

FEDERAL COMMUNICATIONS COMMISSION

47 CFR Parts 2, 73 and 74

[MM Docket No. 87–268; FCC 97–115]

Advanced Television Systems and Their Impact on Existing Television Service

AGENCY: Federal Communications Commission.

ACTION: Final rule.

SUMMARY: The Commission has adopted a Table of Allotments for digital television (DTV) service, rules for use of these DTV channels, procedures for assigning DTV channels, and plans for spectrum recovery. The Commission also adopted technical criteria for the allotment of additional DTV channels. This action is intended to provide the channels on which broadcasters will operate DTV service and to establish a plan for recovery of spectrum.

EFFECTIVE DATE: June 13, 1997.

FOR FURTHER INFORMATION CONTACT: Bruce Franca (202–418–2470), Alan Stillwell (202–418–2470) or Robert Eckert (202–428–2470), Office of Engineering and Technology.

SUPPLEMENTARY INFORMATION: This is a summary of the Commission's *Sixth Report and Order* in MM Docket No. 87–268, FCC 96–317, adopted April 3, 1997, and released April 21, 1997. The full text of this decision is available for inspection and copying during normal business hours in the FCC Dockets Branch (Room 230), 1919 M Street, NW., Washington, DC. The complete text of this decision also may be purchased from the Commission's duplicating contractor, International Transcription Service, 2100 M Street, NW., Washington, DC 20036, (202–857–3800).

Summary of the Sixth Report and Order

1. In this action, the Commission adopts a Table of Allotments for digital television (DTV) service, rules for use of these DTV channels, procedures for assigning DTV channels, and plans for spectrum recovery. The new DTV Table accommodates all eligible broadcasters, replicates existing service areas, and ensures sound and efficient spectrum management. The Table will also provide for early recovery of 60 MHz of spectrum (channels 60–69) and recovery of an additional 78 MHz of spectrum at the end of the transition period, for a total recovery of 138 MHz of spectrum. The Commission stated that its overarching goals in this phase of the proceeding are to ensure that the

spectrum is used efficiently and effectively through the reliance on market forces and to ensure that the introduction of digital TV fully serves the public.

2. In developing the DTV allotments, the Commission was guided by several principles. The first of these principles is to fully accommodate all eligible broadcasters with a temporary second channel for DTV service. As provided in the Telecommunications Act of 1996, parties eligible for initial DTV licenses include: "persons that, as of the date of such issuance, are licensed to operate a television broadcast station or hold a permit to construct such a station, or both." See 47 U.S.C. Section 336. The DTV Table of Allotments includes a channel for all such eligible broadcasters. The Commission stated that this approach will promote an orderly transition to DTV by ensuring that all eligible full service broadcasters are able to provide digital service.

3. The second principle is to provide, to the extent possible, all existing broadcasters with a DTV service area that is comparable to their existing NTSC service area (service replication). The DTV Table therefore matches broadcasters existing channels with DTV allotments that will allow them to replicate their existing service areas. Broadcasters will be assigned these matching channels. The Commission stated that this approach will ensure that broadcasters have the ability to reach the audiences they now serve and that viewers have access to the stations that they can now receive over-the-air. In fact, during the transition period, over 50 percent of all broadcasters will receive a DTV channel that provides 100 percent replication, and over 93 percent of all broadcasters will receive a channel that provides at least 95 percent service area replication. Eligible broadcasters are offered DTV channels in accordance with the matched plan of DTV allotments in Table I below.

4. In considering how to provide for service replication, the Commission noted that the power levels that would be authorized for individual DTV stations under the service replication plan originally proposed could lead to increased disparities among stations. The Commission therefore developed the DTV Table based on a minimum power level of 50 kW effective radiated power (ERP) and a maximum power level of 1000 kW ERP. It stated that a 50 kW minimum power level will ensure that stations have a sufficient service area to compete effectively within their markets and is consistent with the maximization concept supported by the industry. It also stated that 1000 kW is

sufficient to provide a very high degree of service replication for almost all stations. The Commission indicated that this power level allows a more equitable distribution of opportunities for maximization of service areas by stations of all sizes.

5. Next, the Commission stated that in considering the spectrum to use for DTV service, it is important to provide the new digital TV stations with the spectrum that is the most appropriate for their operation. The Commission further stated that, given its obligation to manage the spectrum efficiently in the public interest and the increased number of stations that the spectrum can accommodate using DTV technology, it is important that the recovery of spectrum that is not needed for DTV continue to be a key component of the implementation of DTV service. The new DTV Table therefore plans for the eventual location of all DTV channels in a core spectrum of VHF and UHF channels that are technically most suited for DTV operation. This initial DTV Table is based on use of channels 2–51. However, the Commission stated that at the end of the transition it would specify a core DTV spectrum of either channels 2–46 or 7–51.

6. To implement its core spectrum plan, the Commission attempted to provide all broadcasters with a DTV channel within the range of channels 2–51. Because of the limited availability of spectrum and the need to accommodate all existing facilities with minimal interference among stations, however, some broadcasters are provided transition DTV channels outside this area. Broadcasters with DTV channels outside the final core spectrum will move their DTV operations to a channel in the core at the end of the transition. This plan will permit the eventual recovery of 138 MHz of spectrum nationwide.

7. The DTV Table minimizes use of channels 60–69 to facilitate the early recovery of this portion of the spectrum. In taking this action, the Commission concluded that neither its core spectrum plan or the early recovery of these channels will have a significant impact on the flexibility needed for the implementation of DTV. It further noted that the record clearly demonstrates that additional spectrum is required to meet the needs of public safety and other land mobile users. The Commission stated that the record also strongly supports a conclusion that spectrum in the region of channels 60–69 is appropriate to meet some of these needs. In this regard, it stated that it intends to initiate a separate proceeding in the near future to address how to re-

allocate available spectrum at channels 60–69.

8. The Commission adopted a number of other policies, procedures and technical criteria to be used in allotting DTV channels. These proposals include: (1) Specifying the use of existing NTSC transmitter site coordinates as the reference points for the new DTV allotments; (2) deleting all existing vacant NTSC allotments to provide sufficient spectrum for DTV and, where feasible, replacing deleted NTSC vacant noncommercial allotments with new DTV allotments; (3) avoiding the use of channels 3, 4, and 6 to minimize interference to cable terminal devices, VCRs and FM radio service; and, (4) protecting land mobile operations on channels 14–20.

9. While the Commission continued the secondary status of low power TV and TV translator stations, it adopted a number of administrative and technical measures to minimize the impact of

DTV implementation on low power operations. These measures include allowing low power stations that are affected by DTV implementation to apply for a suitable replacement channel in the same area without being subject to competing applications and to operate until a displacing DTV station or a new primary service provider is operational. The Commission also allowed low power station operators and applicants to make use of terrain shielding, Longley-Rice terrain dependent propagation prediction methods and appropriate interference abatement techniques to show that the station will not cause interference to other stations. Finally, the Commission adopted a number of changes to its technical rules for low power TV operation that will provide additional flexibility to accommodate low power operations during and after the transition.

10. The Commission removed the conditions that were applied to applications for modification of existing NTSC stations that were granted subsequent to July 25, 1996, the date of the Notice of Proposed Rule Making, 61 FR 43209 (August 21, 1996), addressing DTV allotments. It indicated that in developing the DTV Table of Allotments it was able to accommodate all of the eligible broadcasters with allotments that do not conflict with any of the authorizations to modify existing NTSC facilities that have been granted subsequent to July 25, 1996. The Commission further stated that it will henceforth consider any impact on DTV allotments in deciding whether to grant applications for modification of NTSC facilities.

Finally, the Commission established technical criteria for the allotment of additional DTV channels and the modification of allotments included in the initial DTV Table.

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
AK ANCHORAGE	2	18	1000.0	219.0	23462	265	28907	265	0.0	0.0	81.2
AK ANCHORAGE	4	20	234.4	55.0	10968	256	10912	256	0.0	0.0	100.0
AK ANCHORAGE	5	22	1000.0	250.0	25716	265	30730	266	0.0	0.0	83.7
AK ANCHORAGE	7	24	1000.0	240.0	24954	265	26028	265	0.0	0.0	95.9
AK ANCHORAGE	9	26	1000.0	212.0	23059	267	24726	268	0.0	0.0	93.3
AK ANCHORAGE	11	28	50.1	91.0	10708	251	10259	250	0.0	0.0	100.0
AK ANCHORAGE	13	30	1000.0	238.0	24829	265	25978	265	0.0	0.0	95.6
AK ANCHORAGE	33	32	50.1	33.0	6438	233	1175	212	18.7	5.3	100.0
AK BETHEL	4	3	1.0	61.0	9999	8	5629	7	0.0	0.0	100.0
AK DILLINGHAM	2	9	39.8	305.0	33890	4	33677	4	0.0	0.0	100.0
AK FAIRBANKS	2	18	60.3	33.0	6744	77	6670	77	0.0	0.0	100.0
AK FAIRBANKS	7	22	50.1	33.0	6523	77	2167	70	0.0	0.0	100.0
AK FAIRBANKS	9	24	79.4	152.0	13637	78	13637	78	0.0	0.0	100.0
AK FAIRBANKS	11	26	50.1	33.0	6524	77	4966	76	0.0	0.0	100.0
AK FAIRBANKS	13	28	50.1	33.0	6524	77	4966	76	0.0	0.0	100.0
AK JUNEAU	3	6	1.0	33.0	6622	27	2155	27	0.0	0.0	100.0
AK JUNEAU	8	11	3.2	33.0	6793	27	771	25	0.0	0.0	100.0
AK KETCHIKAN	4	13	3.2	174.0	18251	17	6873	15	0.0	0.0	100.0
AK KETCHIKAN	9	8	3.3	305.0	22274	17	22184	17	0.0	0.0	100.0
AK NORTH POLE	4	20	213.8	485.0	30801	79	30801	79	0.0	0.0	100.0
AK SITKA	13	2	1.0	33.0	6622	9	1132	8	0.0	0.0	100.0
AL ANNISTON	40	58	253.2	350.0	21331	1124	17127	616	0.2	0.0	99.3
AL BESSEMER	17	18	178.0	675.0	32514	1313	28727	1131	2.5	0.3	100.0
AL BIRMINGHAM	6	50	1000.0	420.0	37237	1647	34243	1547	0.0	0.0	99.4
AL BIRMINGHAM	10	53	1000.0	404.0	32562	1543	28403	1428	2.1	2.3	99.9
AL BIRMINGHAM	13	52	998.4	408.0	33339	1570	29111	1465	0.0	0.0	100.0
AL BIRMINGHAM	42	30	159.2	421.0	26381	1330	23781	1253	0.3	0.3	99.9
AL BIRMINGHAM	68	36	50.0	314.0	14449	1016	13255	977	0.0	0.0	99.5
AL DEMOPOLIS	41	19	50.0	333.0	15153	121	15040	121	0.4	0.4	100.0
AL DOTHAN	4	36	1000.0	573.0	48620	784	44475	765	0.0	0.0	99.7
AL DOTHAN	18	21	50.0	223.0	13976	291	13879	291	2.7	1.3	100.0
AL DOZIER	2	59	1000.0	210.0	25755	466	21786	298	0.0	0.0	98.7
AL FLORENCE	15	14	50.0	223.0	12858	286	12862	285	2.6	5.0	99.4
AL FLORENCE	26	20	50.0	230.0	12022	258	10994	240	1.8	1.1	100.0
AL FLORENCE	36	22	50.0	221.0	12336	261	12098	259	8.1	3.6	100.0
AL GADSDEN	44	45	50.0	303.0	12500	628	11830	523	1.6	1.1	99.3
AL GADSDEN	60	26	83.2	352.0	14419	1141	13949	1129	2.8	6.4	99.0
AL HOMEWOOD	21	28	268.4	409.0	27908	1407	26602	1316	0.8	0.9	99.0
AL HUNTSVILLE	19	59	85.1	533.0	24595	888	23489	857	1.1	0.8	99.8
AL HUNTSVILLE	25	24	50.0	352.0	18363	725	17357	706	0.3	0.1	100.0
AL HUNTSVILLE	31	32	50.0	546.0	23101	849	21838	812	1.8	1.6	100.0
AL HUNTSVILLE	48	49	50.0	579.0	22343	823	21115	792	0.7	0.3	100.0
AL HUNTSVILLE	54	41	51.1	515.0	18818	716	18097	704	0.7	0.3	100.0
AL LOUISVILLE	43	42	155.7	275.0	14437	267	14481	267	1.0	0.5	99.4

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
AL MOBILE	5	27	1000.0	581.0	49660	1292	49268	1310	0.0	0.0	99.9
AL MOBILE	10	9	15.7	381.0	31801	1009	30422	998	0.0	0.0	100.0
AL MOBILE	15	26	312.3	521.0	25918	1007	25722	1039	1.8	1.0	99.8
AL MOBILE	21	20	190.4	436.0	21862	941	21326	882	0.3	0.1	100.0
AL MOBILE	42	18	50.0	183.0	11337	528	11453	533	0.5	0.1	98.3
AL MONTGOMERY	12	57	1000.0	610.0	44140	916	41212	868	0.0	0.0	100.0
AL MONTGOMERY	20	16	50.0	226.0	12742	369	12234	365	0.6	0.2	100.0
AL MONTGOMERY	26	14	50.0	183.0	12913	376	12595	372	4.5	3.0	99.9
AL MONTGOMERY	32	51	272.6	545.0	28570	539	28011	535	3.4	2.2	99.9
AL MONTGOMERY	45	46	50.0	308.0	11868	367	11666	365	2.2	1.2	100.0
AL MOUNT CHEAHA	7	56	1000.0	610.0	42883	1996	38085	1739	0.3	0.1	99.6
AL OPELIKA	66	31	50.0	207.0	10516	470	9982	460	0.0	0.0	100.0
AL OZARK	34	33	50.0	142.0	8805	230	8749	228	0.7	0.1	99.9
AL SELMA	8	55	1000.0	515.0	39389	672	34978	632	0.0	0.0	99.9
AL TROY	67	48	50.0	592.0	18293	430	17658	427	0.2	0.0	100.0
AL TUSCALOOSA	33	34	189.9	662.0	36264	1349	33350	1300	0.6	0.8	99.7
AL TUSKEGEE	22	24	100.1	325.0	17883	473	17639	463	3.7	1.7	99.7
AR ARKADELPHIA	9	46	897.0	326.0	28446	372	24331	322	0.0	0.0	99.8
AR EL DORADO	10	27	702.3	605.0	45222	668	31478	508	0.0	0.0	100.0
AR FAYETTEVILLE	13	45	966.9	506.0	36427	710	31152	624	0.0	0.0	99.9
AR FAYETTEVILLE	29	15	50.0	270.0	14874	305	13571	286	0.4	0.1	100.0
AR FORT SMITH	5	18	1000.0	384.0	32392	630	28831	536	0.0	0.0	98.3
AR FORT SMITH	24	17	73.4	317.0	15057	406	14779	410	0.7	0.3	97.7
AR FORT SMITH	40	21	74.5	610.0	22014	315	19262	290	1.3	1.5	99.8
AR HOT SPRINGS	26	14	50.0	258.0	13340	205	12569	180	1.1	0.4	100.0
AR JONESBORO	8	58	1000.0	533.0	40686	703	36658	630	0.0	0.0	100.0
AR JONESBORO	19	20	50.0	311.0	17558	246	17453	245	0.0	0.0	100.0
AR JONESBORO	48	49	54.7	305.0	17228	257	17136	255	0.0	0.0	100.0
AR LITTLE ROCK	2	47	1000.0	543.0	45005	994	39049	963	0.0	0.0	98.1
AR LITTLE ROCK	4	32	1000.0	503.0	43128	1004	40765	981	0.0	0.0	99.1
AR LITTLE ROCK	7	22	621.9	591.0	42859	976	39421	949	0.0	0.0	100.0
AR LITTLE ROCK	11	12	20.6	521.0	38355	955	34630	919	0.0	0.0	100.0
AR LITTLE ROCK	16	33	353.0	539.0	29255	896	28845	887	0.8	0.3	99.3
AR LITTLE ROCK	42	43	133.7	156.0	14250	604	14165	604	0.0	0.0	99.3
AR MOUNTAIN VIEW	6	35	1000.0	424.0	38092	514	31061	357	0.0	0.0	99.3
AR NEWARK	17	26	50.0	162.0	4239	57	4049	55	1.2	1.0	100.0
AR PINE BLUFF	25	24	125.7	182.0	11632	585	11390	582	0.6	0.2	99.6
AR PINE BLUFF	38	39	197.7	593.0	25692	804	24909	792	0.9	0.6	100.0
AR ROGERS	51	50	50.0	143.0	6508	228	6004	221	0.0	0.0	100.0
AR SPRINGDALE	57	39	50.0	117.0	5681	223	5089	216	0.7	0.1	100.0
AZ FLAGSTAFF	2	22	1000.0	488.0	37609	175	40813	196	1.8	0.1	91.8
AZ FLAGSTAFF	4	18	694.9	487.0	34053	167	30621	158	0.0	0.0	98.0
AZ FLAGSTAFF	9	28	50.0	594.0	9346	63	8142	62	0.0	0.0	100.0
AZ FLAGSTAFF	13	27	626.9	474.0	30062	150	27367	133	0.0	0.0	100.0
AZ GREEN VALLEY	46	47	68.9	1095.0	25976	628	23986	614	0.0	0.0	100.0
AZ KINGMAN	6	19	1000.0	585.0	32271	118	37735	114	0.0	0.0	81.9
AZ LAKE HAVASU CIT	34	35	50.0	817.0	13668	81	12442	74	0.0	0.0	100.0
AZ MESA	12	36	807.8	543.0	32735	2225	30962	2221	0.0	0.0	99.5
AZ NOGALES	11	25	625.4	507.0	26180	681	24519	682	0.0	0.0	98.7
AZ PHOENIX	3	24	1000.0	542.0	37475	2233	39934	2234	0.0	0.0	91.5
AZ PHOENIX	5	17	1000.0	539.0	38008	2233	39494	2234	0.0	0.0	94.0
AZ PHOENIX	8	29	698.6	536.0	32977	2225	31649	2223	0.0	0.0	99.3
AZ PHOENIX	10	23	626.1	558.0	33986	2225	31701	2216	0.0	0.0	99.7
AZ PHOENIX	15	14	50.0	521.0	21332	2209	19733	2207	0.0	0.0	100.0
AZ PHOENIX	21	20	50.0	489.0	20189	2209	18885	2200	0.0	0.0	100.0
AZ PHOENIX	33	34	76.9	521.0	18207	2205	17530	2195	0.7	0.7	100.0
AZ PHOENIX	45	26	61.2	545.0	23153	2219	20843	2202	0.0	0.0	100.0
AZ PHOENIX	61	49	58.8	541.0	18332	2205	17585	2192	0.0	0.0	100.0
AZ PRESCOTT	7	25	50.0	856.0	18534	170	16876	137	0.3	0.0	99.8
AZ SIERRA VISTA	58	44	50.0	81.0	4915	59	4711	59	0.0	0.0	100.0
AZ TOLLESON	51	52	195.1	533.0	24691	2219	23161	2208	0.0	0.0	100.0
AZ TUCSON	4	31	461.8	1100.0	39336	679	45568	806	0.0	0.0	81.6
AZ TUCSON	6	30	465.3	1106.0	39671	711	39559	741	0.0	0.0	89.6
AZ TUCSON	9	35	223.2	1134.0	33987	687	33516	702	0.0	0.0	96.9
AZ TUCSON	13	32	749.9	622.0	31439	759	26425	729	0.0	0.0	98.4
AZ TUCSON	18	19	98.8	600.0	20144	705	17894	699	1.5	0.1	100.0
AZ TUCSON	27	28	50.0	175.0	3440	628	3028	618	0.6	0.1	100.0
AZ TUCSON	40	41	50.0	619.0	15438	673	13975	672	0.0	0.0	100.0
AZ YUMA	11	41	921.1	493.0	34525	233	33349	232	0.0	0.0	99.9
AZ YUMA	13	16	487.9	475.0	28311	231	26438	229	0.0	0.0	100.0
CA ANAHEIM	56	32	71.9	728.0	20567	11980	19520	11398	0.6	0.3	99.9
CA ARCATATA	23	22	50.0	510.0	12233	112	11151	99	0.1	0.0	100.0
CA BAKERSFIELD	17	25	272.9	427.0	17536	546	17028	507	0.0	0.0	99.9
CA BAKERSFIELD	23	10	4.4	1128.0	23080	689	20817	611	0.0	0.0	100.0
CA BAKERSFIELD	29	33	67.1	1137.0	15874	538	15051	472	0.0	0.0	100.0
CA BAKERSFIELD	45	55	235.3	404.0	16263	562	15916	517	0.0	0.0	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
CA BARSTOW	64	44	67.2	518.0	15278	630	14214	623	0.0	0.0	99.5
CA CALIPATRIA	54	50	177.3	507.0	21324	226	20704	226	0.0	0.0	100.0
CA CERES	23	15	50.0	47.0	1623	359	1623	359	3.7	2.3	100.0
CA CHICO	12	43	1000.0	396.0	28873	572	28649	562	0.5	0.6	99.3
CA CHICO	24	36	292.9	564.0	21964	368	21707	355	1.0	5.9	99.9
CA CLOVIS	43	44	192.4	671.0	25054	1162	24306	1150	6.6	1.3	100.0
CA CONCORD	42	63	58.4	856.0	26738	6615	25956	6208	1.2	3.1	100.0
CA CORONA	52	39	60.8	896.0	17009	12138	17469	12070	7.7	8.6	95.3
CA COTATI	22	23	50.0	620.0	10873	1197	8985	1054	0.4	0.2	100.0
CA EL CENTRO	7	22	585.0	389.0	22736	181	21793	181	0.2	0.0	99.9
CA EL CENTRO	9	48	955.2	488.0	26945	229	26621	229	0.0	0.0	99.5
CA EUREKA	3	16	1000.0	503.0	32082	134	35054	139	0.0	0.0	91.4
CA EUREKA	6	17	1000.0	530.0	39228	139	41884	143	0.0	0.0	93.5
CA EUREKA	13	11	13.6	515.0	30362	121	28646	120	0.0	0.0	100.0
CA EUREKA	29	28	50.0	334.0	6424	92	5889	88	0.1	0.0	100.0
CA FORT BRAGG	8	15	355.3	746.0	27463	114	26639	96	0.0	0.0	99.8
CA FRESNO	18	40	83.3	677.0	22892	1124	22598	1116	1.4	0.7	99.8
CA FRESNO	24	16	50.0	716.0	23191	1124	22377	1109	0.5	0.0	100.0
CA FRESNO	30	9	8.3	622.0	20995	1141	19672	1130	1.1	0.4	99.8
CA FRESNO	47	14	50.0	597.0	19556	1085	17869	1057	0.4	0.0	99.9
CA FRESNO	53	7	3.2	581.0	17231	1091	16231	1075	1.3	0.2	100.0
CA HANFORD	21	20	267.0	605.0	25551	1223	24941	1209	3.0	0.4	99.9
CA HUNTINGTON BEAC	50	48	167.2	330.0	10136	9299	9534	8947	0.8	0.1	100.0
CA LOS ANGELES	2	60	828.8	1107.0	39943	13460	48054	14289	0.4	0.0	81.1
CA LOS ANGELES	4	36	680.9	984.0	41063	13830	46739	14262	0.0	0.0	84.3
CA LOS ANGELES	5	68	1000.0	976.0	38228	13519	47304	14401	0.0	0.0	80.8
CA LOS ANGELES	7	8	10.7	978.0	34851	13722	34407	13555	0.1	0.0	95.5
CA LOS ANGELES	9	43	342.2	970.0	23622	12774	24577	12876	0.2	0.0	94.6
CA LOS ANGELES	11	65	659.2	896.0	32990	13278	34448	13536	0.0	0.0	94.1
CA LOS ANGELES	13	66	650.6	899.0	32263	13186	33784	13490	0.0	0.0	95.0
CA LOS ANGELES	22	42	165.4	889.0	16523	11629	17644	12142	0.1	0.2	92.1
CA LOS ANGELES	28	59	182.2	927.0	25452	12719	24863	12621	1.1	0.8	99.6
CA LOS ANGELES	34	35	70.3	896.0	22216	12586	21279	12427	0.5	1.0	99.7
CA LOS ANGELES	58	41	55.7	875.0	21665	12534	20290	12096	0.4	0.7	100.0
CA MERCED	51	38	129.4	680.0	21680	1288	20945	1275	0.0	0.0	99.9
CA MODESTO	19	18	238.2	573.0	26692	2695	26692	2748	4.2	1.4	98.3
CA MONTEREY	46	32	50.0	771.0	16201	718	15629	705	0.3	0.2	99.1
CA MONTEREY	67	31	50.0	701.0	14214	1413	12867	716	0.0	0.0	99.7
CA NOVATO	68	47	124.2	431.0	20706	4165	18713	3674	0.1	0.0	99.6
CA OAKLAND	2	56	1000.0	479.0	35218	5937	36057	5970	0.0	0.0	92.9
CA ONTARIO	46	47	69.9	927.0	17999	12158	17391	11983	0.2	0.5	100.0
CA OXNARD	63	24	50.0	549.0	12050	1792	10943	1280	0.2	0.6	99.6
CA PALM SPRINGS	36	46	50.0	207.0	5986	255	5890	259	1.2	1.4	99.4
CA PALM SPRINGS	42	52	64.4	1087.0	14117	859	14077	927	4.5	8.3	97.0
CA PARADISE	30	20	68.3	440.0	17736	370	17246	364	0.3	0.0	99.8
CA PORTERVILLE	61	48	74.5	811.0	21858	1330	21490	1278	0.1	0.0	100.0
CA RANCHO PALOS VE	44	51	224.9	451.0	13335	8016	16382	7109	0.0	0.0	79.1
CA REDDING	7	14	159.1	1103.0	35718	327	35198	321	0.0	0.0	99.4
CA REDDING	9	18	175.9	1097.0	35202	322	34666	319	0.0	0.0	99.2
CA RIVERSIDE	62	69	175.0	723.0	15815	11178	16882	11441	0.4	1.6	92.8
CA SACRAMENTO	3	35	1000.0	591.0	41135	4521	41289	4261	0.0	0.0	94.9
CA SACRAMENTO	6	53	1000.0	567.0	38167	4382	37776	4081	0.0	0.0	94.9
CA SACRAMENTO	10	61	1000.0	595.0	36503	4397	35298	4047	0.5	0.2	98.8
CA SACRAMENTO	29	48	258.8	321.0	12638	1565	13056	1575	6.0	1.8	96.7
CA SACRAMENTO	31	21	173.5	558.0	25574	3598	25170	3554	0.6	0.1	95.6
CA SACRAMENTO	40	55	264.1	597.0	25325	3652	24651	3387	1.0	0.5	99.9
CA SALINAS	8	43	429.3	896.0	28466	4733	26635	2944	0.0	0.0	92.0
CA SALINAS	35	13	3.2	735.0	17519	775	16367	760	0.6	0.0	99.6
CA SAN BERNARDINO	18	61	395.9	725.0	23804	11828	23623	11875	12.1	1.6	99.7
CA SAN BERNARDINO	24	26	50.0	509.0	14424	8756	12957	5696	2.2	8.2	99.9
CA SAN BERNARDINO	30	38	201.0	715.0	17385	11693	16905	11248	7.9	2.8	99.1
CA SAN DIEGO	8	55	1000.0	226.0	24042	2709	23545	2660	34.0	2.6	98.9
CA SAN DIEGO	10	25	774.5	229.0	20855	2694	20089	2655	0.0	0.0	99.9
CA SAN DIEGO	15	30	183.5	613.0	23197	2542	23823	2548	0.0	0.0	96.1
CA SAN DIEGO	39	40	89.3	577.0	19854	2463	20018	2314	9.6	0.0	95.7
CA SAN DIEGO	51	18	50.0	579.0	17565	2442	19500	2403	9.9	7.8	86.5
CA SAN DIEGO	69	19	60.2	594.0	20766	2505	19310	2405	10.9	0.2	100.0
CA SAN FRANCISCO	4	57	1000.0	512.0	36836	6014	36969	5930	0.0	0.0	93.5
CA SAN FRANCISCO	5	28	1000.0	506.0	38683	6303	37021	5968	0.0	0.0	96.0
CA SAN FRANCISCO	7	24	594.6	509.0	33240	5894	31509	5866	1.4	1.5	98.5
CA SAN FRANCISCO	9	34	736.7	509.0	33316	5918	29666	5424	0.1	0.0	99.8
CA SAN FRANCISCO	14	29	299.2	701.0	16907	5214	17117	5307	2.3	1.3	92.6
CA SAN FRANCISCO	20	19	141.4	472.0	18343	5359	17673	5268	1.3	1.1	97.7
CA SAN FRANCISCO	26	27	91.1	421.0	15750	5143	14492	4950	0.9	1.0	99.1
CA SAN FRANCISCO	32	33	50.0	491.0	15633	5283	13582	4849	8.8	1.6	100.0
CA SAN FRANCISCO	38	39	207.6	440.0	17045	5231	14928	4781	0.7	0.1	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
CA SAN FRANCISCO	44	45	197.5	491.0	17142	5297	15234	4859	0.7	0.6	99.9
CA SAN JOSE	11	12	6.0	844.0	33141	5446	29472	4933	0.0	0.0	99.9
CA SAN JOSE	36	52	240.6	686.0	16477	5328	14445	5063	3.2	1.6	99.6
CA SAN JOSE	48	49	186.3	631.0	14443	4882	12986	4803	3.5	3.1	99.7
CA SAN JOSE	54	50	50.0	585.0	8185	4455	7636	4349	8.1	9.6	98.8
CA SAN JOSE	65	41	75.8	812.0	16853	4501	15633	4358	0.0	0.0	100.0
CA SAN LUIS OBISPO	6	15	1000.0	543.0	40993	400	41704	414	0.0	0.0	96.1
CA SAN LUIS OBISPO	33	34	50.0	440.0	6608	272	5661	245	0.0	0.0	100.0
CA SAN MATEO	60	59	102.7	362.0	11899	4800	11188	4617	0.5	0.9	99.9
CA SANGER	59	36	50.0	591.0	14931	751	14055	745	0.0	0.0	99.9
CA SANTA ANA	40	53	50.0	881.0	18821	12437	17952	12273	6.6	1.1	99.9
CA SANTA BARBARA	3	27	668.8	917.0	42132	1169	45646	1276	0.0	0.0	90.2
CA SANTA MARIA	12	19	180.2	591.0	26083	375	24814	368	0.5	0.1	99.9
CA SANTA ROSA	50	54	50.0	939.0	12263	462	10137	393	2.6	3.7	99.0
CA STOCKTON	13	25	662.2	594.0	37405	4558	35709	4593	2.2	0.8	98.5
CA STOCKTON	58	46	149.7	559.0	21931	3502	21483	3377	2.0	2.5	99.5
CA STOCKTON	64	62	60.7	874.0	27091	6636	25391	5855	0.3	0.0	99.9
CA TWENTYNINE PALM	31	23	50.0	90.0	2541	52	2341	50	0.0	0.0	100.0
CA VALLEJO	66	30	56.3	466.0	13913	5226	11634	3741	0.0	0.0	99.6
CA VENTURA	57	49	162.4	530.0	15369	3471	13570	1584	0.0	0.0	100.0
CA VISALIA	26	28	166.9	792.0	27229	1135	26475	1132	0.1	0.0	100.0
CA VISALIA	49	50	78.8	835.0	20194	1290	19894	1225	0.0	0.0	99.9
CA WATSONVILLE	25	58	50.0	675.0	11878	1064	11399	737	0.9	0.1	99.8
CO BOULDER	14	15	95.3	351.0	17680	2098	17309	2095	3.6	0.1	99.5
CO BROOMFIELD	12	36	1000.0	738.0	31161	2113	30560	2153	0.0	0.0	97.2
CO CASTLE ROCK	53	47	125.5	193.0	10901	1683	10375	1663	0.0	0.0	100.0
CO COLORADO SPRING	11	10	19.3	725.0	30343	1054	26513	618	1.1	0.0	100.0
CO COLORADO SPRING	13	24	439.4	652.0	29869	1296	24843	643	0.0	0.0	99.9
CO COLORADO SPRING	21	22	71.9	656.0	19079	560	18277	549	1.2	0.1	99.4
CO DENVER	2	34	1000.0	319.0	28784	2266	31110	2312	0.0	0.0	91.1
CO DENVER	4	35	1000.0	451.0	32597	2295	32149	2340	0.0	0.0	90.8
CO DENVER	6	18	1000.0	292.0	28500	2243	27181	2145	0.0	0.0	96.5
CO DENVER	7	17	1000.0	310.0	26360	2253	24881	2210	0.0	0.0	99.7
CO DENVER	9	16	1000.0	280.0	25804	2254	23506	2210	0.0	0.0	99.8
CO DENVER	20	19	237.2	383.0	19883	2110	18609	2041	0.7	0.2	99.6
CO DENVER	31	32	223.3	317.0	17115	2051	16663	2047	0.3	0.1	99.9
CO DENVER	41	40	71.6	344.0	12086	1889	11934	1873	0.3	0.1	99.9
CO DENVER	50	51	78.2	233.0	12006	1871	11694	1870	0.0	0.0	99.8
CO DENVER	59	44	141.2	356.0	17379	2055	16527	2045	0.0	0.0	100.0
CO DURANGO	6	17	50.0	110.0	8459	63	9280	62	0.0	0.0	90.5
CO FORT COLLINS	22	21	50.0	256.0	14118	447	13922	432	0.4	0.1	99.9
CO GLENWOOD SPRING	3	23	841.6	771.0	26318	77	31163	85	0.1	0.4	82.1
CO GRAND JUNCTION	4	15	68.5	422.0	12567	103	13812	106	0.0	0.0	87.6
CO GRAND JUNCTION	5	2	1.0	33.0	7059	92	6692	92	0.0	0.0	100.0
CO GRAND JUNCTION	8	7	9.3	829.0	32033	143	26297	113	0.3	0.0	100.0
CO GRAND JUNCTION	11	14	346.7	429.0	21158	112	19313	103	0.0	0.0	100.0
CO GRAND JUNCTION	18	16	50.0	883.0	13838	96	12748	95	0.1	0.0	100.0
CO LONGMONT	25	26	210.0	325.0	18032	2150	17766	2144	0.2	0.1	100.0
CO MONTROSE	10	13	3.2	33.0	4663	33	4430	33	0.0	0.0	100.0
CO PUEBLO	5	27	1000.0	396.0	31224	589	31495	580	0.5	0.0	93.6
CO PUEBLO	8	29	372.2	727.0	30440	1364	26336	621	0.0	0.0	99.6
CO STEAMBOAT SPRING	24	10	3.2	157.0	1891	12	1499	11	0.0	0.0	100.0
CO STERLING	3	23	1000.0	232.0	26327	71	22797	62	0.0	0.0	100.0
CT BRIDGEPORT	43	42	50.0	156.0	9657	2661	9725	2690	3.1	4.2	97.5
CT BRIDGEPORT	49	52	50.0	222.0	9997	3173	9696	3157	6.6	10.6	97.4
CT HARTFORD	3	11	39.5	276.0	24733	3789	24528	3874	0.0	0.0	95.5
CT HARTFORD	18	46	210.1	299.0	18530	3283	17364	3156	6.2	6.3	97.2
CT HARTFORD	24	32	50.0	262.0	13189	2859	11674	2651	11.5	11.2	98.9
CT HARTFORD	61	5	1.0	515.0	23206	3738	23113	3795	8.1	10.9	87.3
CT NEW BRITAIN	30	35	128.2	451.0	23617	4011	22144	3766	17.7	13.3	98.9
CT NEW HAVEN	8	10	8.2	363.0	23358	5735	23110	4690	4.0	2.6	91.5
CT NEW HAVEN	59	6	1.0	314.0	17262	4343	18677	4424	2.5	1.0	88.1
CT NEW HAVEN	65	39	50.0	82.0	1425	546	1369	530	0.0	0.0	100.0
CT NEW LONDON	26	34	111.7	381.0	18113	2923	15223	1723	0.7	1.8	99.9
CT NORWICH	53	45	50.0	207.0	10135	1016	9558	838	3.2	4.6	98.6
CT WATERBURY	20	12	3.2	366.0	19515	4654	18653	4039	8.5	4.7	94.1
DC WASHINGTON	4	48	1000.0	237.0	27422	6562	24749	6454	7.0	3.3	98.9
DC WASHINGTON	5	6	6.6	235.0	22879	6343	26711	6533	0.0	0.0	82.9
DC WASHINGTON	7	39	1000.0	235.0	24391	6346	23215	6365	0.0	0.0	99.0
DC WASHINGTON	9	34	1000.0	235.0	24684	6438	22883	6299	0.0	0.0	100.0
DC WASHINGTON	20	35	221.7	235.0	17611	6043	17179	5746	0.2	0.0	97.0
DC WASHINGTON	26	27	64.3	233.0	15402	5868	15606	5637	14.5	4.4	96.9
DC WASHINGTON	32	33	186.0	213.0	14526	5769	14310	5777	10.2	2.4	97.7
DC WASHINGTON	50	51	62.2	247.0	15011	5859	14207	5376	0.1	0.0	99.8
DE SEAFORD	64	44	50.0	195.0	4202	154	4202	154	3.4	2.9	100.0
DE WILMINGTON	12	55	1000.0	294.0	23834	7726	20132	6742	0.0	0.0	99.7

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
DE WILMINGTON	61	31	50.0	292.0	16707	5587	15401	5324	5.4	6.5	98.6
FL BOCA RATON	63	44	59.1	310.0	13892	3705	13892	3705	0.0	0.0	100.0
FL BRADENTON	66	42	50.0	465.0	18294	2380	18282	2379	0.0	0.0	100.0
FL CAPE CORAL	36	35	206.9	450.0	24085	879	23907	870	0.0	0.0	99.9
FL CLEARWATER	22	21	222.4	433.0	21082	2536	21082	2536	7.7	4.5	100.0
FL CLERMONT	18	17	230.3	458.0	28579	2143	28566	2101	0.0	0.0	99.4
FL COCOA	52	51	148.1	285.0	14222	1508	14142	1510	0.0	0.0	99.7
FL COCOA	68	30	50.0	287.0	13459	1043	13446	1039	0.0	0.0	100.0
FL DAYTONA BEACH	2	11	45.1	503.0	44808	2703	41617	2380	0.0	0.0	100.0
FL DAYTONA BEACH	26	49	139.5	304.0	16535	1271	13794	830	0.0	0.0	100.0
FL FORT LAUDERDALE	51	52	145.2	262.0	13418	3627	13422	3627	0.0	0.0	100.0
FL FORT MYERS	11	53	1000.0	451.0	36995	1146	34767	1033	7.6	5.4	100.0
FL FORT MYERS	20	15	206.2	451.0	24348	847	24348	847	0.8	0.0	100.0
FL FORT MYERS	30	31	50.0	293.0	16321	651	16188	651	6.8	4.6	100.0
FL FORT PIERCE	21	38	112.7	147.0	11558	446	11088	436	0.0	0.0	100.0
FL FORT PIERCE	34	50	288.7	454.0	24332	1376	23318	1068	0.0	0.0	100.0
FL FORT WALTON BEA	35	25	50.0	60.0	4682	155	4678	155	4.7	1.0	100.0
FL FORT WALTON BEA	53	40	53.8	219.0	12570	488	12574	488	0.0	0.0	100.0
FL FORT WALTON BEA	58	49	50.0	59.0	1170	106	1170	106	0.0	0.0	100.0
FL GAINESVILLE	5	36	1000.0	262.0	31857	1207	31333	1154	0.0	0.0	100.0
FL GAINESVILLE	20	16	87.1	287.0	16217	546	16213	547	0.3	0.1	100.0
FL HIGH SPRINGS	53	28	99.4	278.0	13464	443	13293	416	0.0	0.0	99.9
FL HOLLYWOOD	69	47	93.2	264.0	13802	3583	13806	3583	0.0	0.0	100.0
FL JACKSONVILLE	4	42	1000.0	293.0	33348	1219	31979	1179	0.0	0.0	100.0
FL JACKSONVILLE	7	38	959.1	277.0	27783	1087	26499	1082	4.0	1.9	100.0
FL JACKSONVILLE	12	13	13.9	296.0	28267	1092	27930	1091	3.8	2.1	99.9
FL JACKSONVILLE	17	34	287.8	304.0	21158	1047	20982	1045	6.4	1.9	100.0
FL JACKSONVILLE	30	32	92.4	302.0	16097	1004	16097	1004	0.0	0.0	100.0
FL JACKSONVILLE	47	19	98.4	299.0	18851	1019	18851	1019	0.0	0.1	100.0
FL JACKSONVILLE	59	44	61.5	289.0	14310	967	14310	967	0.0	0.0	100.0
FL KEY WEST	8	12	3.2	33.0	1460	34	1460	34	0.0	0.0	100.0
FL KEY WEST	22	3	1.0	62.0	1741	33	1741	33	0.0	0.0	100.0
FL LAKE WORTH	67	36	50.0	60.0	3822	717	3822	717	0.0	0.0	100.0
FL LAKELAND	32	19	139.5	331.0	17453	2428	17465	2429	0.0	0.0	99.9
FL LEESBURG	45	46	127.3	138.0	11551	1425	10900	1419	0.0	0.0	100.0
FL LEESBURG	55	40	142.7	515.0	24293	2033	22638	1965	0.0	0.0	100.0
FL LIVE OAK	57	48	50.0	137.0	8563	161	8563	161	0.0	0.0	100.0
FL MELBOURNE	43	20	86.5	299.0	14936	1540	14868	1537	0.0	0.0	100.0
FL MELBOURNE	56	48	163.5	472.0	27669	2155	24824	1902	1.2	1.9	100.0
FL MIAMI	2	19	1000.0	283.0	32748	3999	31340	3901	0.0	0.0	100.0
FL MIAMI	4	22	1000.0	304.0	33960	4013	33960	4013	0.0	0.0	100.0
FL MIAMI	6	30	1000.0	549.0	47185	3619	43965	2793	0.0	0.0	98.9
FL MIAMI	7	8	13.7	293.0	28109	3947	28109	3947	0.1	0.0	100.0
FL MIAMI	10	9	14.1	305.0	28742	3954	28730	3954	0.0	0.0	100.0
FL MIAMI	17	18	103.4	309.0	16727	3755	16727	3755	0.0	0.0	100.0
FL MIAMI	23	24	184.4	297.0	15913	3794	15913	3794	0.0	0.0	100.0
FL MIAMI	33	32	192.7	280.0	17636	3748	17259	3598	0.0	0.0	100.0
FL MIAMI	35	21	56.6	102.0	7567	2385	7442	2300	0.0	0.0	99.8
FL MIAMI	39	20	120.7	276.0	14974	3725	14982	3725	0.0	0.0	99.9
FL MIAMI	45	46	70.0	308.0	12757	3710	12757	3710	0.0	0.0	100.0
FL NAPLES	26	43	281.9	368.0	19538	625	19530	625	0.0	0.0	100.0
FL NAPLES	46	45	90.3	309.0	14551	548	14551	548	0.0	0.0	100.0
FL NEW SMYRNA BEAC	15	33	50.0	176.0	10158	659	10158	659	0.0	0.0	100.0
FL OCALA	51	31	50.0	280.0	14383	592	14383	592	0.7	0.4	100.0
FL ORANGE PARK	25	10	3.2	151.0	9406	960	8960	953	0.0	0.0	100.0
FL ORLANDO	6	58	1000.0	445.0	41797	2575	36463	2429	0.0	0.0	100.0
FL ORLANDO	9	39	803.9	479.0	38669	2508	35179	2183	0.2	0.0	100.0
FL ORLANDO	24	23	50.0	381.0	20675	1954	20591	1953	8.9	5.1	100.0
FL ORLANDO	27	14	164.0	550.0	35524	3666	29084	3043	0.0	0.0	100.0
FL ORLANDO	35	22	64.8	451.0	20965	1941	21428	1953	0.0	0.0	97.8
FL ORLANDO	65	41	117.8	465.0	21811	2067	21799	2061	0.0	0.0	100.0
FL PALM BEACH	61	49	96.7	125.0	12726	1445	12750	1445	0.0	0.0	99.8
FL PANAMA CITY	7	41	1000.0	265.0	27049	393	26252	371	0.0	0.0	100.0
FL PANAMA CITY	13	19	514.6	437.0	35830	575	33760	511	0.0	0.0	99.9
FL PANAMA CITY	28	29	50.0	228.0	12704	211	12644	210	0.0	0.0	100.0
FL PANAMA CITY	56	38	50.0	155.0	10341	201	10321	198	0.1	0.0	100.0
FL PANAMA CITY BEA	46	47	50.0	59.0	1418	86	1418	86	0.3	0.0	100.0
FL PENSACOLA	3	17	1000.0	372.0	36766	1108	31164	943	0.0	0.0	100.0
FL PENSACOLA	23	31	87.9	149.0	11595	455	11282	465	0.7	3.6	99.8
FL PENSACOLA	33	34	127.1	415.0	18801	868	18561	866	0.0	0.0	100.0
FL PENSACOLA	44	45	117.1	454.0	19044	896	18984	896	0.0	0.0	100.0
FL SARASOTA	40	52	85.1	235.0	13428	1999	12951	1857	0.2	0.2	100.0
FL ST. PETERSBURG	10	24	581.5	458.0	31265	2787	30743	2795	0.0	0.0	99.0
FL ST. PETERSBURG	38	57	50.4	438.0	21342	2918	21394	2918	2.8	0.8	99.7
FL ST. PETERSBURG	44	59	261.0	454.0	28344	3124	26940	3082	0.0	0.0	100.0
FL TALLAHASSEE	11	32	1000.0	232.0	25793	430	23062	384	0.0	0.0	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
FL TALLAHASSEE	27	22	87.5	518.0	29119	609	28079	595	0.4	0.1	100.0
FL TALLAHASSEE	40	2	1.0	268.0	13696	361	13704	362	0.3	0.1	99.8
FL TAMPA	3	54	1000.0	473.0	43415	3702	39567	3244	0.0	0.0	99.9
FL TAMPA	8	7	18.2	471.0	38127	3509	35000	3222	1.5	0.2	100.0
FL TAMPA	13	12	17.0	433.0	35351	3384	35523	3387	7.3	2.4	99.3
FL TAMPA	16	34	70.2	308.0	16918	2771	16934	2772	1.3	0.4	99.9
FL TAMPA	28	29	96.7	471.0	27069	3079	22441	2914	0.0	0.0	100.0
FL TAMPA	50	47	142.9	445.0	26105	3052	23509	2957	1.0	0.3	100.0
FL TEQUESTA	25	16	183.0	453.0	22790	1447	22565	1268	0.0	0.0	100.0
FL TICE	49	33	127.9	312.0	15015	716	14724	714	0.0	0.0	100.0
FL VENICE	62	25	53.2	167.0	10519	666	10354	662	0.0	0.0	100.0
FL WEST PALM BEACH	5	55	1000.0	302.0	33787	4048	30886	2486	0.0	0.0	100.0
FL WEST PALM BEACH	12	13	14.1	299.0	28676	3707	27252	3701	1.2	0.6	100.0
FL WEST PALM BEACH	29	28	216.1	457.0	24721	3869	24681	3850	1.3	7.3	100.0
FL WEST PALM BEACH	42	27	50.0	439.0	19165	2452	19161	2452	0.0	0.0	100.0
GA ALBANY	10	17	585.0	293.0	28231	594	25588	544	1.2	0.4	100.0
GA ALBANY	31	30	50.0	302.0	17238	406	17242	406	0.7	0.5	100.0
GA ATHENS	8	22	574.5	326.0	29168	3378	25830	3264	0.0	0.0	100.0
GA ATHENS	34	48	265.6	440.0	22432	3064	21343	2821	1.2	0.3	100.0
GA ATLANTA	2	39	1000.0	316.0	32585	3536	28857	3391	0.0	0.0	99.6
GA ATLANTA	5	27	1000.0	326.0	32992	3540	31015	3442	0.0	0.0	99.6
GA ATLANTA	11	10	15.0	320.0	27531	3367	25847	3314	0.0	0.0	99.2
GA ATLANTA	17	20	79.0	332.0	20598	3130	18911	3044	3.1	0.4	98.1
GA ATLANTA	30	21	50.0	334.0	17251	2975	16861	2956	2.2	1.0	98.9
GA ATLANTA	36	25	64.2	332.0	19731	3109	18960	3076	5.3	0.7	99.5
GA ATLANTA	46	19	50.0	332.0	18868	3094	18442	3077	1.0	0.1	99.9
GA ATLANTA	57	38	50.0	319.0	9589	2500	9890	2606	4.0	1.2	95.2
GA ATLANTA	69	43	50.0	299.0	16180	2986	15790	2961	0.0	0.0	99.9
GA AUGUSTA	6	42	1000.0	418.0	38836	1209	33843	885	0.0	0.0	99.9
GA AUGUSTA	12	31	686.2	485.0	38280	1223	32211	921	0.0	0.0	100.0
GA AUGUSTA	26	30	57.9	485.0	24772	672	23574	625	0.1	0.0	99.8
GA AUGUSTA	54	51	62.3	385.0	17004	538	16935	537	0.3	0.1	100.0
GA BAINBRIDGE	49	50	184.5	410.0	22715	493	22683	493	0.1	0.0	100.0
GA BAXLEY	34	35	50.0	147.0	6497	93	6465	93	0.0	0.0	100.0
GA BRUNSWICK	21	24	251.1	600.0	31797	994	31608	951	0.1	0.3	100.0
GA CHATSWORTH	18	33	317.3	564.0	20031	1538	17109	1056	1.3	2.2	99.7
GA COCHRAN	29	7	4.6	350.0	21221	552	19855	520	0.0	0.0	99.9
GA COLUMBUS	3	15	1000.0	543.0	47339	1296	35466	889	0.0	0.0	100.0
GA COLUMBUS	9	47	943.1	503.0	39199	983	31128	723	0.5	0.1	99.9
GA COLUMBUS	28	23	183.8	461.0	23027	870	22061	833	4.3	4.2	100.0
GA COLUMBUS	38	35	50.0	399.0	20011	587	19837	586	3.8	3.6	99.2
GA COLUMBUS	54	49	50.0	345.0	15469	493	14812	486	0.0	0.0	100.0
GA CORDELE	55	51	50.0	125.0	5069	62	5065	62	0.0	0.0	100.0
GA DALTON	23	16	50.0	447.0	12179	706	10601	655	2.1	1.6	100.0
GA DAWSON	25	26	50.0	329.0	14790	306	14699	304	0.9	2.1	99.9
GA MACON	13	45	1000.0	238.0	25673	676	20881	590	0.0	0.0	100.0
GA MACON	24	16	50.0	244.0	14713	475	14304	467	0.7	1.0	100.0
GA MACON	41	40	50.0	237.0	12918	429	12850	429	1.2	0.3	100.0
GA MACON	64	50	50.0	185.0	2523	254	2466	253	0.0	0.0	100.0
GA MONROE	63	44	114.8	363.0	18050	3063	17752	3051	0.0	0.0	99.9
GA PELHAM	14	20	261.6	378.0	22976	647	22614	638	0.1	0.0	99.9
GA PERRY	58	32	50.0	247.0	13051	432	12959	431	0.0	0.0	100.0
GA ROME	14	51	390.9	616.0	28049	3406	26996	3239	1.1	1.0	99.7
GA SAVANNAH	3	39	1000.0	451.0	42038	739	34687	654	0.0	0.0	100.0
GA SAVANNAH	9	46	917.3	320.0	29353	642	25471	597	0.0	0.0	100.0
GA SAVANNAH	11	15	466.7	445.0	36297	697	34178	671	0.7	0.8	99.9
GA SAVANNAH	22	23	163.0	436.0	25156	549	24027	539	0.2	0.1	100.0
GA THOMASVILLE	6	52	1000.0	619.0	52080	885	45892	839	0.0	0.0	100.0
GA TOCCOA	32	24	50.0	253.0	12181	462	11262	432	1.0	1.3	100.0
GA VALDOSTA	44	43	50.0	277.0	11324	233	11324	233	0.0	0.0	100.0
GA WAYCROSS	8	18	509.2	314.0	29201	386	25190	342	0.0	0.0	100.0
GA WRENS	20	36	312.0	452.0	24753	616	24593	614	4.8	3.3	98.3
HI HILO	2	22	50.1	33.0	6524	67	2155	58	0.0	0.0	100.0
HI HILO	4	19	1000.0	366.0	29712	119	30256	110	0.0	0.0	90.6
HI HILO	9	8	3.2	33.0	6793	69	2391	58	0.0	0.0	100.0
HI HILO	11	21	50.1	33.0	6524	67	4051	65	0.0	0.0	100.0
HI HILO	13	18	50.1	33.0	6523	67	4051	65	0.0	0.0	100.0
HI HILO	14	23	50.1	33.0	6524	67	751	46	0.0	0.0	100.0
HI HILO	32	31	50.1	366.0	20338	83	17557	80	0.6	0.0	100.0
HI HILO	38	39	50.1	366.0	20338	83	17557	80	0.0	0.0	100.0
HI HONOLULU	2	22	1000.0	33.0	9594	797	11517	836	0.0	0.0	83.3
HI HONOLULU	4	40	1000.0	33.0	10686	835	11185	836	0.0	0.0	93.8
HI HONOLULU	5	23	1000.0	629.0	47397	842	52476	842	0.0	0.0	90.3
HI HONOLULU	9	8	7.2	33.0	8305	836	8484	836	0.0	0.0	97.9
HI HONOLULU	11	18	120.2	33.0	7255	799	7519	836	0.0	0.0	95.4
HI HONOLULU	13	35	549.5	33.0	9761	836	9683	836	0.0	0.0	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
HI HONOLULU	14	31	50.1	33.0	6289	802	1898	721	0.0	0.0	100.0
HI HONOLULU	20	19	50.1	622.0	28646	836	20876	836	2.0	6.2	100.0
HI HONOLULU	26	27	50.1	580.0	21625	836	17512	836	0.4	5.1	96.9
HI HONOLULU	32	33	50.1	33.0	5603	826	2501	754	2.6	1.0	100.0
HI HONOLULU	38	39	50.1	580.0	27550	832	17796	836	0.4	6.7	100.0
HI HONOLULU	44	43	50.1	580.0	27550	836	18040	836	0.0	1.3	100.0
HI KAILUA KONA	6	25	812.8	887.0	53971	133	54363	145	0.0	0.0	98.9
HI KANEOHE	66	41	50.1	632.0	28895	842	14374	837	0.0	0.0	100.0
HI LIHUE	8	12	3.3	305.0	22274	51	22184	51	4.9	0.0	100.0
HI LIHUE	21	7	3.2	305.0	24677	51	17541	51	0.0	0.0	100.0
HI LIHUE	27	28	50.1	366.0	20338	51	17557	51	27.3	0.0	100.0
HI LIHUE	67	45	50.1	366.0	20338	51	17557	51	0.0	0.0	100.0
HI WAILUKU	3	24	72.4	1814.0	53585	120	52313	138	0.0	0.0	97.8
HI WAILUKU	7	36	50.1	1811.0	51943	139	40173	121	0.0	0.0	100.0
HI WAILUKU	10	30	50.1	1811.0	51943	139	40768	121	0.0	0.0	100.0
HI WAILUKU	12	29	50.1	1763.0	51106	138	45250	128	0.0	0.0	100.0
HI WAILUKU	15	16	50.1	1723.0	50272	138	42954	123	0.0	0.0	100.0
HI WAILUKU	21	20	50.1	33.0	6373	90	2364	85	6.3	6.0	100.0
HI WAILUKU	27	28	50.1	366.0	20337	100	17557	100	17.2	5.2	100.0
HI WAILUKU	33	34	50.1	366.0	20338	100	17557	100	6.4	1.2	100.0
IA AMES	5	59	1000.0	564.0	48410	984	40402	884	0.0	0.0	100.0
IA BURLINGTON	26	41	50.0	96.0	3829	91	3821	91	1.3	0.3	100.0
IA CEDAR RAPIDS	2	51	1000.0	442.0	40311	867	34970	779	0.0	0.0	99.8
IA CEDAR RAPIDS	9	52	1000.0	607.0	44375	949	34936	774	0.0	0.0	100.0
IA CEDAR RAPIDS	28	27	216.3	452.0	24376	650	24312	641	0.2	0.0	99.8
IA CEDAR RAPIDS	48	47	79.8	323.0	15896	491	15819	490	0.9	3.4	100.0
IA COUNCIL BLUFFS	32	33	50.0	98.0	6348	642	5791	631	1.2	0.4	100.0
IA DAVENPORT	6	56	1000.0	408.0	38395	1178	32104	941	0.0	0.0	99.8
IA DAVENPORT	18	49	200.7	302.0	17590	629	17170	627	0.1	0.0	100.0
IA DAVENPORT	36	34	50.0	65.0	734	259	734	259	0.5	0.0	100.0
IA DES MOINES	8	31	762.1	591.0	44163	915	34792	837	0.0	0.0	100.0
IA DES MOINES	11	50	1000.0	600.0	44693	919	40413	889	0.0	0.0	100.0
IA DES MOINES	13	19	585.7	600.0	44809	919	37303	855	0.0	0.0	100.0
IA DES MOINES	17	16	121.3	463.0	23451	720	23117	717	0.2	0.0	100.0
IA DES MOINES	63	26	55.6	550.0	20173	674	20089	673	0.0	0.0	100.0
IA DUBUQUE	40	43	50.0	256.0	12367	221	12033	218	2.2	1.1	100.0
IA FORT DODGE	21	25	50.0	355.0	20644	211	20632	211	0.2	0.1	100.0
IA IOWA CITY	12	45	882.8	439.0	35423	1080	30996	929	0.0	0.0	100.0
IA IOWA CITY	20	25	50.0	123.0	11595	390	11165	371	1.5	0.7	100.0
IA MASON CITY	3	42	1000.0	472.0	42547	741	32414	513	0.0	0.0	100.0
IA MASON CITY	24	18	50.0	436.0	19851	279	19674	275	0.6	0.2	100.0
IA OTTUMWA	15	14	66.2	363.0	20006	338	19746	333	1.4	0.6	100.0
IA RED OAK	36	35	60.4	475.0	20200	745	19928	745	1.3	2.6	100.0
IA SIOUX CITY	4	41	1000.0	585.0	49813	657	38669	505	0.0	0.0	100.0
IA SIOUX CITY	9	30	733.8	616.0	45116	596	38211	463	0.0	0.0	100.0
IA SIOUX CITY	14	39	50.0	351.0	19097	257	19017	256	2.6	1.4	100.0
IA SIOUX CITY	27	28	154.8	326.0	19601	263	19331	262	0.3	0.6	100.0
IA SIOUX CITY	44	49	216.7	610.0	29824	360	29043	352	0.1	0.0	100.0
IA WATERLOO	7	55	1000.0	604.0	44020	940	35918	780	0.0	0.0	100.0
IA WATERLOO	32	35	227.4	579.0	29126	740	28446	698	1.8	2.2	100.0
ID BOISE	2	25	876.7	777.0	45308	394	50231	396	0.0	0.0	90.2
ID BOISE	4	21	693.1	754.0	44517	394	48288	395	0.6	0.1	92.1
ID BOISE	7	26	390.4	808.0	38673	391	38238	390	0.0	0.0	99.4
ID CALDWELL	9	10	13.4	805.0	27177	386	25527	385	0.3	0.0	100.0
ID COEUR D'ALENE	26	56	50.0	465.0	5486	235	4501	184	0.0	0.0	100.0
ID FILER	19	18	50.0	161.0	6675	83	6659	83	0.0	0.0	100.0
ID IDAHO FALLS	3	36	1000.0	488.0	37473	233	40914	237	0.0	0.0	91.3
ID IDAHO FALLS	8	9	20.9	463.0	35483	233	33586	231	0.0	0.0	100.0
ID LEWISTON	3	32	1000.0	384.0	25152	126	28025	141	1.2	0.1	84.2
ID MOSCOW	12	33	739.7	346.0	26753	131	25838	151	0.0	0.0	99.2
ID NAMPA	6	22	752.3	811.0	45250	394	47567	393	0.0	0.0	93.5
ID NAMPA	12	27	358.1	829.0	38550	391	37100	390	0.0	0.0	99.9
ID POCATELLO	6	23	1000.0	466.0	33329	267	34995	265	0.0	0.0	90.4
ID POCATELLO	10	17	181.5	465.0	29737	229	28205	228	0.0	0.0	99.7
ID TWIN FALLS	11	16	554.0	323.0	27981	131	26495	129	0.0	0.0	100.0
ID TWIN FALLS	13	24	50.0	161.0	11305	101	11221	101	0.0	0.0	100.0
ID TWIN FALLS	35	34	50.0	164.0	3197	69	3181	69	0.0	0.0	100.0
IL AURORA	60	59	179.7	494.0	24974	8281	24914	8278	0.1	0.0	100.0
IL BLOOMINGTON	43	28	50.0	293.0	14984	594	14689	563	1.0	0.3	100.0
IL CARBONDALE	8	40	1000.0	268.0	26642	773	21292	537	0.0	0.0	100.0
IL CHAMPAIGN	3	48	1000.0	287.0	32555	897	22935	724	6.9	2.5	100.0
IL CHAMPAIGN	15	41	50.0	396.0	18194	457	17815	451	0.1	0.0	100.0
IL CHARLESTON	51	50	50.0	70.0	2801	71	2801	71	0.0	0.0	100.0
IL CHICAGO	2	3	2.5	418.0	27416	8386	22397	8193	9.8	1.1	96.5
IL CHICAGO	5	29	191.5	494.0	31587	8551	27979	8322	6.6	0.8	99.8
IL CHICAGO	7	52	147.0	515.0	29071	8459	27413	8361	5.0	0.4	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
IL CHICAGO	9	19	156.8	415.0	27657	8412	26313	8333	4.9	0.7	99.9
IL CHICAGO	11	47	150.2	497.0	28461	8432	25860	8218	6.8	0.5	99.9
IL CHICAGO	20	21	78.2	378.0	19475	8030	16941	7946	1.9	0.4	99.2
IL CHICAGO	26	27	67.5	472.0	22649	8201	22504	8183	2.0	0.4	99.3
IL CHICAGO	32	31	208.7	430.0	24471	8353	23929	8322	3.7	0.7	100.0
IL CHICAGO	38	43	206.1	381.0	21854	8105	21794	8099	4.0	0.7	99.7
IL CHICAGO	44	45	160.7	433.0	22405	8196	22361	8189	3.2	0.6	99.9
IL DECATUR	17	18	231.3	393.0	23377	845	21829	813	1.4	0.7	99.5
IL DECATUR	23	22	55.7	314.0	14066	648	13731	640	0.0	0.0	100.0
IL EAST ST. LOUIS	46	47	178.6	345.0	19179	2564	19026	2562	0.1	0.0	100.0
IL FREEPORT	23	41	50.0	219.0	12414	710	12124	704	10.9	5.9	100.0
IL HARRISBURG	3	34	1000.0	302.0	34703	764	24621	570	0.0	0.0	100.0
IL JACKSONVILLE	14	15	50.0	94.0	3790	58	3778	58	5.7	5.3	100.0
IL JOLIET	66	53	128.7	393.0	17795	8011	17763	8010	0.0	0.0	100.0
IL LASALLE	35	10	4.0	418.0	18938	1275	17920	772	1.9	7.6	98.7
IL MACOMB	22	21	50.0	149.0	4469	57	4409	56	1.5	1.7	100.0
IL MARION	27	17	58.9	233.0	13773	367	13704	363	2.7	1.0	99.9
IL MOLINE	8	38	800.7	308.0	28568	966	24341	826	0.0	0.0	100.0
IL MOLINE	24	23	50.0	276.0	14161	557	14009	556	0.0	0.0	100.0
IL MOUNT VERNON	13	21	566.9	302.0	28264	707	20594	430	0.0	0.0	100.0
IL OLNEY	16	19	50.0	283.0	16305	258	16405	258	0.2	1.3	98.9
IL PEORIA	19	40	86.2	194.0	14041	570	12439	537	1.8	0.5	100.0
IL PEORIA	25	57	115.0	207.0	15243	574	14416	567	0.4	0.1	100.0
IL PEORIA	31	30	50.0	195.0	12261	549	11981	545	0.4	0.0	100.0
IL PEORIA	47	46	50.0	216.0	12924	553	12880	553	2.0	0.3	100.0
IL PEORIA	59	39	50.0	178.0	6421	409	6393	409	0.4	0.5	100.0
IL QUINCY	10	54	1000.0	238.0	26233	313	23635	294	0.0	0.0	100.0
IL QUINCY	16	32	50.0	302.0	15205	198	15084	197	0.0	0.0	100.0
IL QUINCY	27	34	50.0	173.0	4121	103	4109	102	4.1	1.1	100.0
IL ROCK ISLAND	4	58	1000.0	408.0	38568	1191	31886	1005	0.0	0.0	100.0
IL ROCKFORD	13	54	1000.0	216.0	24307	1515	18743	913	0.0	0.0	100.0
IL ROCKFORD	17	16	187.6	203.0	15256	886	13542	775	1.5	1.0	100.0
IL ROCKFORD	39	42	50.0	176.0	11496	691	11331	686	1.1	1.0	100.0
IL SPRINGFIELD	20	42	72.0	436.0	23640	680	21749	607	0.6	0.1	100.0
IL SPRINGFIELD	49	53	50.0	189.0	5296	228	5296	228	0.0	0.0	100.0
IL SPRINGFIELD	55	44	50.0	439.0	21759	581	21659	581	0.0	0.0	100.0
IL URBANA	12	33	745.0	302.0	28513	970	22557	808	0.0	0.0	100.0
IL URBANA	27	26	84.3	139.0	11136	335	11296	336	3.6	1.0	98.6
IN ANGOLA	63	12	3.2	144.0	10305	560	10281	559	0.0	0.0	100.0
IN BLOOMINGTON	4	53	1000.0	357.0	31864	2087	24868	1805	0.3	0.1	100.0
IN BLOOMINGTON	30	14	50.0	216.0	12369	505	12192	503	0.4	0.4	100.0
IN BLOOMINGTON	42	56	225.9	317.0	15064	1560	14261	1516	0.3	0.3	100.0
IN BLOOMINGTON	63	27	50.0	328.0	16467	1562	16250	1555	0.0	0.0	99.9
IN ELKHART	28	58	343.4	335.0	21312	1335	20784	1220	8.6	10.1	100.0
IN EVANSVILLE	7	28	666.3	305.0	28649	796	26079	763	0.0	0.0	100.0
IN EVANSVILLE	9	54	1000.0	177.0	22537	718	17469	617	0.6	0.2	100.0
IN EVANSVILLE	14	58	176.9	311.0	17055	577	17035	577	1.6	0.4	99.9
IN EVANSVILLE	25	59	54.1	314.0	17179	589	17090	588	3.4	2.1	100.0
IN EVANSVILLE	44	45	50.0	296.0	15321	562	15301	562	0.1	0.0	100.0
IN FORT WAYNE	15	4	1.0	253.0	10500	585	10038	557	0.0	0.0	100.0
IN FORT WAYNE	21	24	50.0	226.0	12257	651	11554	603	1.4	0.7	99.3
IN FORT WAYNE	33	19	50.0	235.0	11925	634	11732	608	0.1	0.1	99.3
IN FORT WAYNE	39	40	50.0	223.0	13204	678	13477	689	2.7	1.5	98.0
IN FORT WAYNE	55	36	50.0	238.0	11227	620	11227	620	0.0	0.0	100.0
IN GARY	50	51	186.5	494.0	25853	8333	25387	8307	3.0	0.6	100.0
IN GARY	56	17	50.0	306.0	15218	4367	15198	4390	1.4	1.9	99.9
IN HAMMOND	62	36	72.5	146.0	11379	6952	11286	6855	0.0	0.0	99.9
IN INDIANAPOLIS	6	25	1000.0	302.0	32600	2394	27352	2226	0.0	0.0	99.9
IN INDIANAPOLIS	8	9	14.7	305.0	26053	2219	24755	2134	1.3	0.7	95.9
IN INDIANAPOLIS	13	46	1000.0	299.0	27698	2284	22983	2053	0.3	0.0	99.8
IN INDIANAPOLIS	20	21	50.0	259.0	15709	1647	15114	1632	0.0	0.0	100.0
IN INDIANAPOLIS	40	16	50.0	302.0	17145	1692	17045	1685	2.1	0.8	98.9
IN INDIANAPOLIS	59	45	109.6	304.0	19052	1814	18429	1759	0.1	0.2	99.5
IN INDIANAPOLIS	69	44	50.0	167.0	2526	1016	2526	1016	0.0	0.0	100.0
IN KOKOMO	29	54	133.9	236.0	13690	1183	13694	1187	0.9	3.5	100.0
IN LAFAYETTE	18	11	3.2	238.0	12626	509	12438	485	3.5	0.8	99.9
IN MARION	23	32	249.7	295.0	19322	1853	19056	1848	0.4	0.9	98.5
IN MUNCIE	49	52	50.0	155.0	9623	537	9550	532	2.3	1.5	100.0
IN RICHMOND	43	30	50.0	302.0	14667	2633	14735	2655	4.2	5.1	97.5
IN SALEM	58	57	50.0	346.0	15157	1221	14710	1209	1.6	0.3	100.0
IN SOUTH BEND	16	42	374.1	326.0	25475	1460	23194	1284	2.9	6.9	100.0
IN SOUTH BEND	22	30	232.0	325.0	24559	1418	22931	1365	3.5	7.7	100.0
IN SOUTH BEND	34	35	50.0	246.0	13991	944	14096	961	7.4	6.2	97.2
IN SOUTH BEND	46	48	50.0	305.0	15197	988	14975	960	4.9	3.0	100.0
IN TERRE HAUTE	2	36	1000.0	290.0	32408	908	22591	576	0.0	0.0	100.0
IN TERRE HAUTE	10	24	819.3	293.0	27392	725	25223	675	2.0	4.8	99.9

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
IN TERRE HAUTE	38	39	54.4	299.0	14240	407	14127	389	0.5	0.1	100.0
IN VINCENNES	22	52	57.8	174.0	11041	250	11009	249	1.2	1.6	100.0
KS COLBY	4	15	1000.0	229.0	29090	51	23001	38	0.0	0.0	100.0
KS ENSIGN	6	5	6.5	219.0	28688	122	27103	117	0.0	0.0	100.0
KS FORT SCOTT	20	40	313.0	233.0	19361	329	19106	325	0.1	0.0	100.0
KS GARDEN CITY	11	17	594.8	244.0	23621	118	22492	114	0.0	0.0	100.0
KS GARDEN CITY	13	18	645.1	265.0	25021	114	23749	114	0.0	0.0	100.0
KS GOODLAND	10	14	684.0	299.0	27788	43	26772	41	0.9	1.8	100.0
KS GREAT BEND	2	22	1000.0	296.0	32805	206	29002	175	0.0	0.0	100.0
KS HAYS	7	20	1000.0	216.0	24855	98	23445	95	0.0	0.0	100.0
KS HAYS	9	16	474.4	332.0	29984	153	24912	114	0.0	0.0	100.0
KS HUTCHINSON	8	29	1000.0	244.0	24057	670	18724	566	0.0	0.0	100.0
KS HUTCHINSON	12	19	521.0	463.0	37229	756	32857	724	0.3	0.0	100.0
KS HUTCHINSON	36	35	112.3	733.0	16065	605	16065	605	0.0	0.0	100.0
KS LAKIN	3	23	1000.0	171.0	25662	91	21268	88	0.0	0.0	100.0
KS LAWRENCE	38	39	171.1	330.0	16725	1753	16553	1731	0.3	0.1	99.1
KS PITTSBURG	7	30	639.3	332.0	29889	494	28150	475	0.0	0.0	100.0
KS SALINA	18	17	50.0	317.0	12053	156	11982	156	1.5	5.3	100.0
KS TOPEKA	11	23	780.2	305.0	28295	937	23472	909	0.0	0.0	99.6
KS TOPEKA	13	44	873.4	421.0	34281	635	28513	553	0.0	0.0	100.0
KS TOPEKA	27	26	50.0	320.0	16931	404	16380	388	0.0	0.0	100.0
KS TOPEKA	49	48	115.6	451.0	19842	479	19151	444	0.0	0.0	100.0
KS WICHITA	3	45	1000.0	305.0	32918	684	27039	660	0.0	0.0	99.9
KS WICHITA	10	21	598.9	314.0	28792	675	26335	664	0.0	0.0	100.0
KS WICHITA	24	25	128.3	328.0	17902	618	17898	618	2.0	0.1	100.0
KS WICHITA	33	34	50.0	133.0	2841	421	2841	421	0.0	0.0	100.0
KY ASHLAND	25	26	50.0	152.0	7417	389	6801	371	4.7	9.5	99.9
KY ASHLAND	61	45	50.0	189.0	8782	474	8230	441	0.6	0.3	100.0
KY BEATTYVILLE	65	7	3.2	197.0	5907	89	4788	66	0.0	0.0	100.0
KY BOWLING GREEN	13	33	1000.0	226.0	24819	587	20458	466	0.0	0.0	100.0
KY BOWLING GREEN	24	18	50.0	198.0	10565	244	9937	235	2.3	1.4	100.0
KY BOWLING GREEN	40	16	50.0	244.0	10630	240	10382	236	1.9	1.1	100.0
KY BOWLING GREEN	53	48	50.0	247.0	11922	255	11637	250	2.9	1.6	100.0
KY CAMPBELLSVILLE	34	19	50.0	314.0	14141	269	13341	248	2.4	2.8	100.0
KY COVINGTON	54	24	50.0	122.0	5890	1572	5419	1533	3.9	1.6	100.0
KY DANVILLE	56	4	1.0	351.0	16176	690	15417	674	4.5	2.3	99.7
KY ELIZABETHTOWN	23	43	50.0	198.0	12141	742	10995	409	0.5	0.2	100.0
KY HARLAN	44	51	50.0	601.0	19175	562	16832	475	2.2	4.0	100.0
KY HAZARD	35	16	50.0	384.0	15138	348	13480	296	4.5	3.6	100.0
KY HAZARD	57	12	3.2	475.0	16984	393	14617	324	0.4	0.4	100.0
KY LEXINGTON	18	20	50.0	195.0	13015	626	12783	622	1.0	0.2	99.8
KY LEXINGTON	27	59	69.2	300.0	16909	681	16781	678	1.4	0.5	99.9
KY LEXINGTON	36	40	66.5	305.0	17900	696	17412	691	1.5	1.4	100.0
KY LEXINGTON	46	42	50.0	265.0	13711	639	13491	635	6.3	3.2	99.1
KY LOUISVILLE	3	47	1000.0	555.0	45682	2902	35162	2244	0.6	0.4	99.7
KY LOUISVILLE	11	55	428.5	390.0	27674	1482	26136	1462	0.1	0.0	100.0
KY LOUISVILLE	15	17	50.0	262.0	13888	1187	13303	1177	1.6	0.4	100.0
KY LOUISVILLE	21	8	3.2	212.0	12661	1144	11897	1114	3.6	0.6	99.4
KY LOUISVILLE	32	26	153.4	384.0	25314	1449	24714	1433	5.6	1.8	99.8
KY LOUISVILLE	41	49	237.2	391.0	25666	1454	23878	1395	4.5	1.2	100.0
KY LOUISVILLE	68	38	50.0	249.0	13222	1169	12722	1158	0.0	0.0	99.6
KY MADISONVILLE	19	20	77.7	241.0	14399	552	14161	549	3.0	4.9	100.0
KY MADISONVILLE	35	42	50.0	317.0	14285	293	13997	291	2.6	2.0	100.0
KY MOREHEAD	38	15	50.0	293.0	13757	221	12686	200	0.5	0.8	100.0
KY MOREHEAD	67	21	62.8	247.0	16233	380	15470	346	0.0	0.0	100.0
KY MURRAY	21	36	50.0	201.0	12314	288	12298	288	8.9	3.9	100.0
KY NEWPORT	19	29	247.6	306.0	20496	2545	19628	2340	0.9	0.2	99.8
KY OWENSBORO	31	29	50.0	140.0	9668	454	9789	459	1.7	0.7	97.0
KY OWENTON	52	44	50.0	216.0	11130	424	10787	409	0.1	0.0	100.0
KY PADUCAH	6	32	1000.0	482.0	43956	871	38355	809	0.0	0.0	100.0
KY PADUCAH	29	41	50.0	152.0	7265	177	7069	174	5.2	3.7	100.0
KY PADUCAH	49	50	65.3	327.0	14969	435	14881	435	0.2	0.2	99.9
KY PIKEVILLE	22	24	50.0	430.0	17095	454	15956	430	0.4	0.2	100.0
KY SOMERSET	29	14	50.0	445.0	18607	402	17371	371	1.3	1.9	100.0
LA ALEXANDRIA	5	35	1000.0	485.0	43410	956	43135	982	0.0	0.0	98.7
LA ALEXANDRIA	25	26	64.6	415.0	19599	318	19527	317	0.0	0.0	100.0
LA ALEXANDRIA	31	32	50.0	333.0	17720	257	17600	256	0.9	0.9	100.0
LA BATON ROUGE	2	42	1000.0	515.0	46184	2450	40635	2324	0.0	0.0	99.8
LA BATON ROUGE	9	46	917.8	509.0	40157	1877	31609	1220	0.1	0.0	100.0
LA BATON ROUGE	27	22	71.2	303.0	16048	809	15122	761	0.2	0.0	100.0
LA BATON ROUGE	33	34	216.8	522.0	26992	1315	25957	1288	0.0	0.0	100.0
LA BATON ROUGE	44	45	137.2	426.0	19373	985	19373	985	0.0	0.0	100.0
LA COLUMBIA	11	57	1000.0	572.0	43189	691	32880	566	0.0	0.0	100.0
LA LAFAYETTE	3	28	1000.0	530.0	47375	911	35053	718	0.0	0.0	100.0
LA LAFAYETTE	10	56	1000.0	530.0	41206	1002	32285	794	0.0	0.0	100.0
LA LAFAYETTE	15	16	89.1	360.0	19890	586	19890	586	0.0	0.0	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
LA LAFAYETTE	24	23	61.5	369.0	18304	536	18304	536	0.0	0.0	100.0
LA LAKE CHARLES	7	53	1000.0	451.0	36922	954	35167	940	0.0	0.0	100.0
LA LAKE CHARLES	18	20	50.0	314.0	18006	374	18010	374	0.4	0.1	100.0
LA LAKE CHARLES	29	30	81.0	394.0	19657	610	19649	610	0.0	0.0	100.0
LA MONROE	8	55	1000.0	576.0	43716	728	41193	688	0.0	0.0	100.0
LA MONROE	13	19	530.4	543.0	41003	691	36053	621	0.0	0.0	100.0
LA NEW ORLEANS	4	30	1000.0	305.0	34068	1783	33649	1767	0.0	0.0	100.0
LA NEW ORLEANS	6	43	1000.0	283.0	33332	1807	32893	1788	0.0	0.0	100.0
LA NEW ORLEANS	8	29	669.9	302.0	28600	1682	26365	1603	0.0	0.0	100.0
LA NEW ORLEANS	12	11	14.2	308.0	21819	1549	19930	1488	0.0	0.0	100.0
LA NEW ORLEANS	20	14	124.2	275.0	16711	1451	16429	1443	0.0	0.0	100.0
LA NEW ORLEANS	26	15	67.1	308.0	16761	1404	16186	1389	0.0	0.0	100.0
LA NEW ORLEANS	32	31	63.9	308.0	15031	1384	14995	1381	0.0	0.6	100.0
LA NEW ORLEANS	38	39	189.7	311.0	17993	1432	17993	1432	0.0	0.0	100.0
LA NEW ORLEANS	49	50	59.1	271.0	13440	1317	13440	1317	0.0	0.0	100.0
LA SHREVEPORT	3	28	1000.0	543.0	47570	1089	33729	898	0.0	0.0	100.0
LA SHREVEPORT	12	17	522.4	549.0	42279	1014	32645	899	2.4	1.1	100.0
LA SHREVEPORT	24	23	50.0	326.0	19134	563	18901	560	0.0	0.0	100.0
LA SHREVEPORT	33	34	193.3	553.0	28959	838	28068	809	1.7	0.7	100.0
LA SHREVEPORT	45	44	96.0	507.0	20170	618	20089	617	0.7	0.8	100.0
LA SLIDELL	54	24	60.5	213.0	12140	1346	12140	1346	0.0	0.0	100.0
LA WEST MONROE	14	36	387.5	572.0	33831	607	33524	598	0.7	0.1	99.5
LA WEST MONROE	39	38	50.0	152.0	9420	261	8715	256	0.2	0.0	100.0
MA ADAMS	19	36	50.0	637.0	20349	1668	16992	1124	4.1	1.3	100.0
MA BOSTON	2	19	1000.0	317.0	30225	6764	29402	6697	0.0	0.0	97.9
MA BOSTON	4	30	783.0	354.0	29306	6719	29628	6716	8.4	1.9	97.2
MA BOSTON	5	20	1000.0	299.0	30281	6742	25483	5683	5.5	1.7	97.6
MA BOSTON	7	42	907.4	306.0	27632	6644	26156	6552	0.0	0.0	99.9
MA BOSTON	25	31	64.6	357.0	19809	6171	18684	6013	1.3	0.6	99.3
MA BOSTON	38	39	67.7	354.0	20381	6245	19603	6037	10.6	4.0	100.0
MA BOSTON	44	43	50.0	329.0	16777	5801	16011	5657	13.5	4.7	99.4
MA BOSTON	68	32	50.0	249.0	12984	4875	12162	4583	0.0	0.0	100.0
MA CAMBRIDGE	56	41	50.0	360.0	17470	5933	16816	5805	2.7	1.1	99.4
MA LAWRENCE	62	18	50.4	186.0	11812	4757	10914	4377	0.0	0.0	98.6
MA MARLBOROUGH	66	23	50.0	326.0	19496	6040	17821	5420	0.4	0.1	100.0
MA NEW BEDFORD	6	49	1000.0	283.0	30480	4984	22852	2645	5.0	2.1	99.5
MA NEW BEDFORD	28	22	148.5	229.0	15367	4039	13032	2424	0.3	0.1	99.8
MA NORWELL	46	52	50.0	107.0	5997	2486	5745	1865	19.6	8.9	96.6
MA SPRINGFIELD	22	33	158.0	268.0	13402	2261	12269	2079	6.7	3.2	97.3
MA SPRINGFIELD	40	55	192.2	322.0	13779	2149	13687	2146	2.6	2.6	97.3
MA SPRINGFIELD	57	58	50.0	306.0	12988	1879	11438	1677	8.3	2.6	100.0
MA VINEYARD HAVEN	58	40	50.0	155.0	8690	530	8674	526	0.0	0.0	100.0
MA WORCESTER	27	29	50.0	466.0	20523	6226	16690	5162	0.1	0.2	99.6
MA WORCESTER	48	47	96.7	398.0	20933	3954	19398	3643	5.0	14.2	99.3
MD ANNAPOLIS	22	42	334.5	265.0	20084	6096	19485	5762	11.2	3.6	96.3
MD BALTIMORE	2	52	1000.0	305.0	30626	7263	29023	7078	0.0	0.0	98.0
MD BALTIMORE	11	59	1000.0	305.0	26652	6806	25368	6610	0.9	0.9	98.5
MD BALTIMORE	13	38	1000.0	302.0	27494	6841	22887	6187	1.1	1.0	99.6
MD BALTIMORE	24	41	50.0	326.0	15943	5790	15436	5451	2.3	1.2	99.8
MD BALTIMORE	45	46	50.0	386.0	18813	5758	18217	5762	1.8	4.2	99.7
MD BALTIMORE	54	40	134.7	349.0	21869	6196	19914	5667	8.2	2.0	99.9
MD BALTIMORE	67	29	50.0	250.0	11576	4097	10599	3156	14.2	6.4	98.4
MD FREDERICK	62	28	50.0	138.0	8037	2439	6929	1990	0.1	0.1	99.4
MD HAGERSTOWN	25	55	64.8	375.0	13881	650	13228	631	4.9	3.6	99.2
MD HAGERSTOWN	31	44	200.3	378.0	16002	883	13813	713	1.3	1.5	99.5
MD HAGERSTOWN	68	16	50.0	394.0	15006	773	10798	525	0.0	0.0	99.9
MD OAKLAND	36	54	50.0	216.0	5810	113	4898	97	1.1	0.4	100.0
MD SALISBURY	16	21	188.5	299.0	17447	470	17443	470	0.0	0.0	100.0
MD SALISBURY	28	56	81.5	157.0	13122	339	13190	341	0.0	0.0	99.5
MD SALISBURY	47	53	59.9	304.0	13990	417	13990	417	0.2	0.2	100.0
ME AUGUSTA	10	17	602.0	305.0	26995	792	24295	739	0.0	0.0	100.0
ME BANGOR	2	25	1000.0	192.0	22431	325	19917	297	0.0	0.0	99.9
ME BANGOR	5	19	444.7	402.0	30460	472	26450	429	0.0	0.0	99.7
ME BANGOR	7	14	951.9	250.0	25989	341	22964	288	0.0	0.0	100.0
ME BIDDEFORD	26	45	50.0	244.0	12054	671	11449	645	0.0	0.0	99.2
ME CALAIS	13	15	178.0	134.0	15204	32	12154	28	0.0	0.0	100.0
ME LEWISTON	35	39	50.0	258.0	8766	469	8947	473	3.5	1.4	96.1
ME ORONO	12	22	948.3	302.0	27681	336	24328	320	0.0	0.0	99.8
ME POLAND SPRING	8	46	245.7	1173.0	40595	1023	38522	995	0.0	0.0	96.9
ME PORTLAND	6	44	1000.0	610.0	36046	1149	34678	1046	0.0	0.0	96.0
ME PORTLAND	13	38	791.1	491.0	32499	941	32033	995	3.2	8.7	95.9
ME PORTLAND	51	4	1.0	280.0	13947	609	13155	599	1.7	1.0	99.5
ME PRESQUE ISLE	8	16	57.4	107.0	7913	55	7518	53	0.0	0.0	96.8
ME PRESQUE ISLE	10	20	520.7	332.0	29048	80	26107	77	0.0	0.0	100.0
MI ALPENA	6	57	1000.0	448.0	38376	258	29145	180	0.0	0.0	99.9
MI ALPENA	11	13	11.7	204.0	18083	114	16801	108	0.0	0.0	99.9

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
MI ANN ARBOR	31	33	50.0	329.0	17276	3195	14239	2248	1.3	3.6	99.8
MI BAD AXE	35	15	50.0	155.0	6141	80	6141	80	0.1	0.1	100.0
MI BATTLE CREEK	41	20	117.6	329.0	22717	1793	22821	1789	6.9	5.7	99.2
MI BATTLE CREEK	43	44	183.5	323.0	22157	1868	21319	1786	4.6	2.2	99.5
MI BAY CITY	5	22	1000.0	305.0	32944	1753	25468	1309	0.2	0.6	99.9
MI CADILLAC	9	40	820.9	497.0	38770	697	33871	592	0.0	0.0	100.0
MI CADILLAC	27	58	50.0	180.0	7383	87	7043	84	0.0	0.0	100.0
MI CADILLAC	33	47	50.0	311.0	11373	151	11125	147	9.8	6.3	100.0
MI CALUMET	5	18	1000.0	295.0	23238	55	21939	53	0.0	0.0	99.9
MI CHEBOYGAN	4	14	1000.0	189.0	26812	148	24239	133	0.0	0.0	100.0
MI DETROIT	2	58	1000.0	305.0	32391	5770	26496	5215	29.7	9.0	98.3
MI DETROIT	4	45	1000.0	306.0	32320	5720	25357	5127	0.0	0.0	98.3
MI DETROIT	7	41	1000.0	305.0	27072	5522	24481	5147	3.0	0.6	99.3
MI DETROIT	20	21	50.0	293.0	16588	4704	16512	4692	5.2	2.6	99.8
MI DETROIT	50	14	50.0	293.0	16894	4721	15265	4505	0.6	0.3	99.9
MI DETROIT	56	43	50.0	293.0	14854	4517	16254	4720	10.6	4.1	91.3
MI DETROIT	62	44	50.0	296.0	13246	4403	13572	4435	0.0	0.0	97.1
MI EAST LANSING	23	55	54.4	296.0	16624	1384	16287	1333	0.9	0.4	100.0
MI ESCANABA	3	48	1000.0	363.0	36170	175	35639	173	0.0	0.0	99.9
MI FLINT	12	36	1000.0	287.0	27238	1966	24490	1807	0.9	0.8	99.5
MI FLINT	28	52	115.7	265.0	14607	2617	14356	2578	0.0	0.0	99.6
MI FLINT	66	16	58.1	287.0	18404	1552	18533	1571	0.1	0.0	99.2
MI GRAND RAPIDS	8	7	14.4	302.0	23858	1875	26015	1949	8.2	2.0	88.1
MI GRAND RAPIDS	13	39	965.1	305.0	28420	1211	23938	1139	0.0	0.0	99.9
MI GRAND RAPIDS	17	19	50.0	334.0	18572	1499	18259	1488	3.2	4.4	98.0
MI GRAND RAPIDS	35	11	3.2	262.0	14666	1078	14702	1076	5.9	2.4	99.6
MI IRON MOUNTAIN	8	22	50.0	190.0	12827	75	11710	67	0.0	0.0	100.0
MI JACKSON	18	34	50.0	73.0	1772	152	1772	152	0.0	0.0	100.0
MI KALAMAZOO	3	2	6.9	305.0	29223	1998	30599	2051	13.4	4.7	92.8
MI KALAMAZOO	52	5	1.0	125.0	4044	342	4028	341	6.0	2.5	100.0
MI KALAMAZOO	64	45	50.0	319.0	17268	1424	17368	1439	0.0	0.0	99.4
MI LANSING	6	59	1000.0	305.0	31907	2876	19821	1773	0.0	0.0	99.9
MI LANSING	47	38	50.0	305.0	15372	1016	15516	1023	0.9	0.4	98.8
MI LANSING	53	51	50.0	299.0	11741	776	11637	775	0.0	0.0	99.9
MI MANISTEE	21	17	50.0	104.0	4535	47	4479	46	1.4	2.4	100.0
MI MARQUETTE	6	35	1000.0	296.0	33016	194	24010	149	0.0	0.0	99.9
MI MARQUETTE	13	33	708.4	332.0	29709	185	25981	170	0.0	0.0	100.0
MI MOUNT CLEMENS	38	39	141.7	192.0	12910	4154	13046	4167	6.7	2.7	98.4
MI MOUNT PLEASANT	14	56	50.0	158.0	8653	265	8617	264	3.2	1.7	100.0
MI MUSKEGON	54	24	76.5	294.0	13705	1048	13471	1042	0.1	0.0	99.5
MI ONONDAGA	10	57	1000.0	299.0	27187	2154	20902	1404	0.0	0.0	99.8
MI SAGINAW	25	30	185.0	402.0	25395	1901	24865	1838	0.0	0.0	98.8
MI SAGINAW	49	48	50.0	287.0	13994	1230	13882	1198	0.0	0.0	100.0
MI SAULT STE. MARI	8	56	1000.0	290.0	27126	84	25375	82	0.0	0.0	99.8
MI SAULT STE. MARI	10	49	935.8	370.0	31049	90	27587	86	0.0	0.0	100.0
MI TRAVERSE CITY	7	50	983.7	411.0	34393	407	30396	329	5.1	7.1	100.0
MI TRAVERSE CITY	29	31	60.3	399.0	20177	269	19263	257	0.3	0.1	99.3
MI UNIVERSITY CENT	19	18	50.0	140.0	11960	668	11960	680	2.8	2.5	99.6
MI VANDERBILT	45	59	50.0	324.0	14779	141	14486	139	0.0	0.0	100.0
MN ALEXANDRIA	7	24	557.0	341.0	30573	402	28777	388	0.0	0.0	100.0
MN ALEXANDRIA	42	14	50.0	358.0	21267	314	19835	213	0.2	0.1	100.0
MN APPLETON	10	31	666.9	381.0	32730	244	28132	202	0.0	0.0	100.0
MN AUSTIN	6	33	1000.0	320.0	34141	612	27103	510	0.0	0.0	100.0
MN AUSTIN	15	20	50.0	116.0	9282	174	9153	168	0.7	2.0	99.9
MN BEMIDJI	9	18	501.2	329.0	29766	106	26575	83	0.0	0.0	100.0
MN BRAINERD	22	28	50.0	227.0	9946	102	9937	102	2.5	0.5	100.0
MN DULUTH	3	33	1000.0	302.0	31915	282	31104	278	0.0	0.0	98.4
MN DULUTH	8	38	1000.0	290.0	27825	258	24845	244	0.0	0.0	100.0
MN DULUTH	10	43	1000.0	301.0	28246	261	25074	238	0.0	0.0	100.0
MN DULUTH	21	17	50.0	180.0	5782	179	5746	179	8.5	7.2	100.0
MN HIBBING	13	36	489.3	204.0	14907	113	13719	109	0.0	0.0	100.0
MN MANKATO	12	38	809.2	317.0	29282	393	25761	327	0.0	0.0	100.0
MN MINNEAPOLIS	4	32	1000.0	436.0	40181	3023	33911	2902	0.0	0.0	100.0
MN MINNEAPOLIS	9	26	604.6	435.0	35443	2940	29749	2798	0.0	0.0	100.0
MN MINNEAPOLIS	11	35	729.7	439.0	35651	2940	32925	2873	0.0	0.0	100.0
MN MINNEAPOLIS	23	22	178.1	351.0	21573	2666	21464	2663	0.0	0.0	100.0
MN MINNEAPOLIS	29	21	167.6	373.0	22480	2678	21411	2662	0.8	0.1	100.0
MN MINNEAPOLIS	45	44	175.0	375.0	21129	2649	21056	2648	0.0	0.0	100.0
MN REDWOOD FALLS	43	27	50.0	167.0	8284	74	8244	74	0.0	0.0	100.0
MN ROCHESTER	10	36	739.1	381.0	31854	561	26783	462	0.0	0.0	100.0
MN ROCHESTER	47	46	50.0	104.0	3712	139	3640	137	0.0	0.0	100.0
MN ST. CLOUD	41	40	88.1	448.0	20232	2602	19027	2349	0.0	0.0	100.0
MN ST. PAUL	2	34	1000.0	399.0	38072	2987	34436	2909	0.0	0.0	100.0
MN ST. PAUL	5	50	1000.0	436.0	39927	3009	36682	2926	0.0	0.0	99.7
MN ST. PAUL	17	16	50.0	396.0	13296	2506	13263	2505	0.2	0.0	100.0
MN THIEF RIVER FAL	10	57	663.0	183.0	12781	121	10201	106	0.0	0.0	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
MN WALKER	12	20	705.0	283.0	27812	191	25818	176	0.0	0.0	100.0
MN WORTHINGTON	20	15	69.6	332.0	17891	145	17891	145	0.6	1.8	99.9
MO CAPE GIRARDEAU	12	57	1000.0	610.0	44203	926	37135	781	0.1	0.1	100.0
MO CAPE GIRARDEAU	23	22	59.4	543.0	23030	525	22580	518	0.0	0.0	100.0
MO COLUMBIA	8	36	1000.0	242.0	26114	442	21983	413	0.0	0.0	100.0
MO COLUMBIA	17	22	51.6	348.0	20504	413	20055	411	3.4	3.8	100.0
MO HANNIBAL	7	29	1000.0	271.0	27374	319	24040	291	0.0	0.0	100.0
MO JEFFERSON CITY	13	12	14.4	308.0	25264	467	21642	404	0.0	0.0	100.0
MO JEFFERSON CITY	25	20	53.6	314.0	16237	326	15871	324	0.0	0.1	99.9
MO JOPLIN	12	43	1000.0	311.0	28497	522	23933	429	0.8	0.5	100.0
MO JOPLIN	16	46	168.5	313.0	21797	400	20104	392	1.8	0.6	100.0
MO JOPLIN	26	25	50.0	283.0	14629	302	14417	300	0.1	0.0	100.0
MO KANSAS CITY	4	34	1000.0	344.0	34722	2095	30394	1903	0.0	0.0	100.0
MO KANSAS CITY	5	24	1000.0	342.0	34802	2062	28753	1935	0.0	0.0	99.7
MO KANSAS CITY	9	14	450.9	357.0	30971	1967	28907	1910	0.0	0.0	99.9
MO KANSAS CITY	19	18	50.0	357.0	19088	1745	18797	1734	5.1	0.5	100.0
MO KANSAS CITY	32	31	192.3	322.0	23365	1763	23325	1763	0.1	0.0	99.8
MO KANSAS CITY	41	42	50.0	323.0	16490	1681	16223	1676	0.0	0.0	100.0
MO KANSAS CITY	50	51	50.0	341.0	16177	1670	15490	1659	1.0	0.1	100.0
MO KANSAS CITY	62	47	124.1	340.0	21290	1804	20991	1799	0.0	0.0	100.0
MO KIRKSVILLE	3	33	1000.0	339.0	35121	356	27492	260	0.0	0.0	100.0
MO POPLAR BLUFF	15	18	50.0	184.0	10131	127	10010	125	0.1	0.0	100.0
MO SEDALIA	6	15	1000.0	235.0	29434	550	24120	402	0.0	0.0	99.6
MO SPRINGFIELD	3	44	1000.0	622.0	49577	775	41786	671	0.0	0.0	99.7
MO SPRINGFIELD	10	52	1000.0	631.0	45556	751	40920	683	0.0	0.0	100.0
MO SPRINGFIELD	21	23	50.0	546.0	26916	496	26097	488	0.8	0.3	99.9
MO SPRINGFIELD	27	28	227.4	515.0	27179	502	25568	481	0.0	0.0	100.0
MO SPRINGFIELD	33	19	155.6	596.0	27669	526	27053	518	0.6	0.3	100.0
MO ST. JOSEPH	2	53	1000.0	247.0	29298	1469	28365	1498	0.0	0.0	99.3
MO ST. JOSEPH	16	21	235.2	326.0	17866	1558	17080	1404	1.9	9.9	100.0
MO ST. LOUIS	2	43	1000.0	332.0	34382	2774	28971	2678	0.0	0.0	99.7
MO ST. LOUIS	4	56	1000.0	335.0	34174	2785	29620	2723	0.0	0.0	99.6
MO ST. LOUIS	5	35	1000.0	332.0	34664	2787	33236	2764	0.0	0.0	100.0
MO ST. LOUIS	9	39	948.5	326.0	29428	2701	24359	2623	0.0	0.0	100.0
MO ST. LOUIS	11	26	745.5	308.0	28683	2711	26261	2667	0.0	0.0	100.0
MO ST. LOUIS	24	14	84.7	305.0	20023	2538	19527	2532	0.5	0.1	99.9
MO ST. LOUIS	30	31	65.3	335.0	20289	2556	20128	2554	0.0	0.0	100.0
MS BILOXI	13	36	742.1	408.0	34055	1025	27954	738	0.0	0.0	100.0
MS BILOXI	19	35	74.2	478.0	21446	675	21018	648	1.1	0.8	100.0
MS BOONEVILLE	12	55	480.4	229.0	15565	295	13444	261	0.0	0.0	100.0
MS BUDE	17	18	50.0	341.0	16657	226	14775	207	2.9	3.6	100.0
MS COLUMBUS	4	35	1000.0	610.0	50300	770	42825	652	0.0	0.0	99.9
MS GREENVILLE	15	17	98.9	271.0	15891	259	15891	259	0.0	0.0	100.0
MS GREENWOOD	6	54	1000.0	597.0	51049	882	40422	599	0.0	0.0	100.0
MS GREENWOOD	23	26	50.0	317.0	15296	249	15236	249	0.0	0.0	100.0
MS GULFPORT	25	48	122.9	488.0	22926	812	22499	767	2.4	9.2	99.7
MS HATTIESBURG	22	23	50.0	244.0	14700	279	14576	277	0.8	0.4	100.0
MS HOLLY SPRINGS	40	41	123.6	142.0	10001	1026	9904	1026	0.0	0.0	100.0
MS JACKSON	3	51	1000.0	610.0	46873	919	34502	734	0.0	0.0	100.0
MS JACKSON	12	52	1000.0	497.0	39222	787	33266	721	0.1	0.0	100.0
MS JACKSON	16	21	229.5	359.0	22625	599	21939	592	0.5	0.1	100.0
MS JACKSON	29	20	50.0	598.0	25082	639	24663	631	3.1	1.5	100.0
MS JACKSON	40	41	50.0	479.0	23291	614	22928	602	0.0	0.0	100.0
MS LAUREL	7	28	1000.0	155.0	21512	347	19210	328	0.0	0.0	100.0
MS MERIDIAN	11	49	1000.0	165.0	21931	291	19815	260	0.0	0.0	100.0
MS MERIDIAN	14	47	50.0	369.0	18041	314	17020	300	0.9	0.8	100.0
MS MERIDIAN	24	25	50.0	177.0	9872	148	9884	150	0.1	0.0	99.3
MS MERIDIAN	30	31	50.0	187.0	11183	168	11090	167	4.8	2.7	100.0
MS MISSISSIPPI STA	2	38	1000.0	381.0	37521	553	29904	422	0.0	0.0	100.0
MS NATCHEZ	48	49	78.7	316.0	15272	178	15268	178	0.0	0.0	100.0
MS OXFORD	18	36	50.0	423.0	18258	346	18417	348	0.5	0.3	99.1
MS TUPELO	9	57	1000.0	542.0	41709	677	38641	617	0.1	0.0	100.0
MS WEST POINT	27	16	50.8	512.0	22498	424	22373	423	2.1	1.9	99.7
MT BILLINGS	2	17	1000.0	165.0	23195	136	23167	136	3.6	0.2	98.3
MT BILLINGS	6	18	1000.0	249.0	27619	136	26222	135	0.0	0.0	99.3
MT BILLINGS	8	11	13.9	229.0	21629	133	20809	129	0.2	0.0	100.0
MT BOZEMAN	7	16	54.4	249.0	8673	59	8797	59	0.0	0.0	97.2
MT BOZEMAN	9	20	50.0	33.0	2277	46	2200	46	0.0	0.0	100.0
MT BUTTE	4	15	1000.0	576.0	33253	126	40009	138	0.0	0.0	82.6
MT BUTTE	6	2	10.7	591.0	44364	164	38372	141	0.0	0.0	100.0
MT BUTTE	18	19	105.9	585.0	14914	58	13761	57	0.1	0.0	100.0
MT GLENDAVE	5	15	120.2	152.0	13598	14	11386	12	0.0	0.0	100.0
MT GREAT FALLS	3	44	1000.0	180.0	22357	89	23804	89	0.0	0.0	93.4
MT GREAT FALLS	5	39	1000.0	180.0	21956	89	22921	89	0.0	0.0	94.9
MT GREAT FALLS	16	45	120.2	319.0	15462	85	15402	85	0.1	0.0	99.8
MT HARDIN	4	19	1000.0	323.0	30501	124	29423	136	0.0	0.0	98.6

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
MT HELENA	10	29	743.1	579.0	27772	90	26705	87	0.0	0.0	98.8
MT HELENA	12	14	162.5	686.0	30522	151	28974	149	0.0	0.0	99.6
MT KALISPELL	9	38	50.3	850.0	23443	85	23074	79	0.0	0.0	98.4
MT MILES CITY	3	13	3.2	33.0	5390	11	5430	11	0.0	0.0	98.9
MT MISSOULA	8	35	1000.0	655.0	32444	129	32745	127	0.0	0.0	97.1
MT MISSOULA	11	27	50.0	631.0	9985	86	8984	85	0.0	0.0	100.0
MT MISSOULA	13	40	1000.0	610.0	32637	129	33336	131	0.0	0.0	97.5
MT MISSOULA	23	36	92.5	642.0	17840	119	17374	118	0.0	0.0	99.9
NC ASHEVILLE	13	56	619.9	853.0	33782	1831	33148	1787	0.0	0.0	96.3
NC ASHEVILLE	21	57	315.7	765.0	27972	1524	27012	1467	2.5	1.3	98.8
NC ASHEVILLE	33	25	96.7	816.0	23135	1446	20494	1338	0.8	0.7	99.7
NC ASHEVILLE	62	45	134.4	556.0	22561	1378	21378	1332	0.6	0.2	99.6
NC BELMONT	46	47	199.9	594.0	32137	2310	28624	2125	3.8	1.3	100.0
NC BURLINGTON	16	14	50.1	256.0	14379	1385	11351	1055	1.8	0.4	99.8
NC CHAPEL HILL	4	59	1000.0	469.0	40706	2859	30299	2262	0.0	0.0	99.9
NC CHARLOTTE	3	23	1000.0	567.0	47158	3215	35596	2375	1.0	0.9	98.9
NC CHARLOTTE	9	34	708.8	359.0	31546	2266	24224	1858	7.2	4.8	100.0
NC CHARLOTTE	18	21	72.3	366.0	19163	1652	20007	1606	12.7	4.9	89.0
NC CHARLOTTE	36	22	155.4	595.0	33377	2354	31321	2290	2.2	1.0	99.2
NC CHARLOTTE	42	24	50.0	390.0	18723	1622	18340	1606	7.4	2.8	99.3
NC COLUMBIA	2	20	1000.0	302.0	33693	660	27798	245	0.0	0.0	100.0
NC CONCORD	58	44	142.5	422.0	25173	2126	24274	2084	4.6	2.4	99.9
NC DURHAM	11	52	1000.0	607.0	44664	2399	38515	2110	0.0	0.0	99.9
NC DURHAM	28	27	216.6	585.0	34162	2043	34886	2097	0.4	0.3	95.5
NC FAYETTEVILLE	40	38	196.8	561.0	30966	2133	30578	2229	0.5	0.4	92.7
NC FAYETTEVILLE	62	36	50.0	256.0	9622	539	9597	537	0.0	0.0	99.8
NC GOLDSBORO	17	55	509.0	480.0	33383	2059	30316	1901	3.0	0.8	100.0
NC GREENSBORO	2	51	1000.0	561.0	46687	3427	36643	2442	0.1	0.0	99.5
NC GREENSBORO	48	33	50.0	517.0	21308	1599	20380	1507	3.6	1.4	99.3
NC GREENSBORO	61	32	50.0	168.0	8620	976	8524	976	0.1	0.0	99.2
NC GREENVILLE	9	10	21.1	573.0	38457	1136	33999	1054	0.0	0.0	91.4
NC GREENVILLE	14	21	50.0	209.0	11543	487	11352	467	0.0	0.0	100.0
NC GREENVILLE	25	23	50.0	351.0	15427	645	14305	598	2.3	1.7	100.0
NC HICKORY	14	40	50.0	183.0	8078	547	7716	510	7.8	5.4	95.9
NC HIGH POINT	8	35	726.9	387.0	32244	2377	25173	1795	0.1	0.0	99.9
NC JACKSONVILLE	19	44	203.2	561.0	25214	728	25182	727	0.2	0.0	100.0
NC JACKSONVILLE	35	34	50.2	301.0	15037	415	14985	415	0.3	0.1	100.0
NC KANNAPOLIS	64	50	50.0	300.0	15983	1500	15907	1497	0.0	0.0	99.5
NC LEXINGTON	20	19	80.9	297.0	17498	1437	16808	1357	5.1	2.6	99.6
NC LINVILLE	17	54	124.8	546.0	18618	910	16911	843	0.9	0.3	99.5
NC LUMBERTON	31	25	92.1	319.0	20338	847	20623	853	7.7	9.0	98.1
NC MOREHEAD CITY	8	24	934.8	249.0	20009	303	13893	96	0.0	0.0	100.0
NC NEW BERN	12	48	1000.0	591.0	43285	1189	34519	860	0.0	0.0	100.0
NC RALEIGH	5	53	1000.0	604.0	50722	2731	40785	2317	0.0	0.0	100.0
NC RALEIGH	22	57	449.2	510.0	31372	2121	28236	1902	7.2	3.4	100.0
NC RALEIGH	50	49	189.5	548.0	31818	1996	31141	1976	3.6	5.0	100.0
NC ROANOKE RAPIDS	36	39	50.0	368.0	19461	548	18410	517	1.3	0.6	100.0
NC ROCKY MOUNT	47	15	90.5	371.0	16874	1183	17142	1182	0.8	0.3	96.6
NC WASHINGTON	7	32	771.7	594.0	44737	1299	36849	1102	0.0	0.0	100.0
NC WILMINGTON	3	46	1000.0	594.0	51309	1052	41539	758	0.0	0.0	100.0
NC WILMINGTON	6	54	1000.0	588.0	50456	1697	38276	1195	0.0	0.0	100.0
NC WILMINGTON	26	30	203.6	500.0	22230	481	22206	480	0.0	0.0	100.0
NC WILMINGTON	39	29	144.8	553.0	26659	635	26311	627	0.0	0.0	100.0
NC WILSON	30	42	72.2	539.0	22199	1281	21978	1266	7.2	2.9	100.0
NC WINSTON-SALEM	12	31	771.0	604.0	39793	2275	32996	2000	0.0	0.0	99.6
NC WINSTON-SALEM	26	43	311.7	504.0	24841	1714	23447	1642	0.3	0.1	99.8
NC WINSTON-SALEM	45	29	143.2	597.0	25645	1759	23591	1651	0.9	0.5	99.7
ND BISMARCK	3	22	868.0	425.0	37485	124	29273	111	0.0	0.0	100.0
ND BISMARCK	5	31	1000.0	427.0	39831	126	33168	116	0.0	0.0	100.0
ND BISMARCK	12	23	575.2	466.0	36704	124	31998	113	0.0	0.0	100.0
ND BISMARCK	17	16	50.0	290.0	13983	90	13803	89	0.1	0.0	100.0
ND DEVILS LAKE	8	59	1000.0	451.0	36977	172	35321	170	0.0	0.0	100.0
ND DICKINSON	2	19	1000.0	256.0	29878	47	29160	45	0.0	0.0	99.9
ND DICKINSON	7	18	1000.0	223.0	24230	39	20573	34	0.0	0.0	100.0
ND DICKINSON	9	20	708.0	246.0	23705	43	21684	37	0.0	0.0	100.0
ND ELLENDALE	19	20	50.0	179.0	8894	12	8866	12	5.0	1.5	100.0
ND FARGO	6	21	1000.0	351.0	36178	339	30659	253	0.0	0.0	100.0
ND FARGO	11	58	1000.0	610.0	45043	354	39529	319	0.0	0.0	99.6
ND FARGO	13	39	571.2	344.0	29370	239	27002	226	0.0	0.0	100.0
ND FARGO	15	19	188.1	379.0	19399	250	19399	250	0.0	0.0	100.0
ND GRAND FORKS	2	56	1000.0	408.0	36001	171	32916	167	0.0	0.0	100.0
ND JAMESTOWN	7	14	980.1	135.0	19892	50	15434	41	0.0	0.0	100.0
ND MINOT	6	57	1000.0	323.0	34029	100	31675	98	0.0	0.0	99.9
ND MINOT	10	58	1000.0	207.0	21936	79	20623	77	0.0	0.0	98.5
ND MINOT	13	45	1000.0	344.0	30380	96	28469	90	0.0	0.0	100.0
ND MINOT	14	15	50.0	829.0	12067	67	12055	67	6.7	2.0	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
ND PEMBINA	12	15	465.4	427.0	30006	36	24366	34	0.0	0.0	100.0
ND VALLEY CITY	4	38	1000.0	619.0	52339	409	46357	376	0.0	0.0	100.0
ND WILLISTON	4	51	1000.0	278.0	29451	51	25943	45	0.0	0.0	99.5
ND WILLISTON	8	52	688.3	323.0	25351	43	24027	42	0.0	0.0	100.0
ND WILLISTON	11	14	428.5	299.0	24426	43	22884	42	0.0	0.0	99.6
NE ALBION	24	23	83.4	378.0	23610	99	23453	99	0.8	0.3	100.0
NE ALLIANCE	13	24	593.2	469.0	36126	92	31465	83	0.0	0.0	100.0
NE BASSETT	7	15	473.5	453.0	36511	52	32997	38	0.0	0.0	100.0
NE GRAND ISLAND	11	32	737.5	308.0	28984	208	24776	184	0.0	0.0	100.0
NE GRAND ISLAND	17	19	50.0	187.0	11158	148	11170	148	0.2	0.0	99.9
NE HASTINGS	5	21	1000.0	223.0	28608	220	26274	213	0.6	0.2	99.9
NE HASTINGS	29	14	50.0	372.0	20167	166	20155	166	2.9	1.7	100.0
NE HAYES CENTER	6	18	1000.0	216.0	28857	85	26826	80	0.0	0.0	99.8
NE KEARNEY	13	35	706.1	338.0	30309	211	27104	197	0.0	0.0	100.0
NE LEXINGTON	3	26	1000.0	323.0	34565	169	25614	118	0.0	0.0	100.0
NE LINCOLN	8	31	672.7	440.0	35975	628	28642	477	0.0	0.0	100.0
NE LINCOLN	10	25	597.9	454.0	37047	749	33522	687	0.0	0.0	99.9
NE LINCOLN	12	40	1000.0	253.0	26402	1040	24175	1023	0.0	0.0	100.0
NE MCCOOK	8	12	11.1	216.0	23714	51	21288	45	0.0	0.0	100.0
NE MERRIMAN	12	17	564.4	328.0	28624	30	24104	23	0.1	0.0	100.0
NE NORFOLK	19	16	50.0	348.0	16129	204	14712	199	4.1	2.5	100.0
NE NORTH PLATTE	2	22	1000.0	192.0	26456	64	24033	61	0.0	0.0	99.5
NE NORTH PLATTE	9	16	543.6	311.0	28750	66	25659	61	0.0	0.0	100.0
NE OMAHA	3	45	1000.0	418.0	39293	1131	30293	1040	0.0	0.0	100.0
NE OMAHA	6	22	1000.0	418.0	39551	1140	36444	1117	0.0	0.0	100.0
NE OMAHA	7	20	526.7	415.0	34516	1101	29303	991	0.0	0.0	100.0
NE OMAHA	15	38	388.8	453.0	26175	1040	25781	1039	3.1	1.0	100.0
NE OMAHA	26	17	50.0	130.0	9268	698	9120	696	4.8	0.6	100.0
NE OMAHA	42	43	205.7	577.0	33997	1108	33700	1106	0.8	0.1	99.9
NE SCOTTSBLUFF	4	19	1000.0	610.0	49563	109	40276	93	0.0	0.0	99.9
NE SCOTTSBLUFF	10	29	1000.0	256.0	24901	75	22210	70	0.0	0.0	100.0
NE SUPERIOR	4	34	1000.0	344.0	35174	236	24567	116	0.0	0.0	100.0
NH BERLIN	40	15	50.0	91.0	2600	24	1843	20	0.0	0.0	100.0
NH CONCORD	21	33	71.4	320.0	17467	1959	17048	1880	2.6	5.0	98.8
NH DERRY	50	35	92.0	213.0	10235	3204	10043	3191	2.3	15.9	99.5
NH DURHAM	11	57	1000.0	302.0	26039	3804	24132	2649	2.6	1.3	98.9
NH KEENE	52	49	50.0	329.0	7453	215	5671	135	0.0	0.0	100.0
NH LITTLETON	49	48	50.0	390.0	7383	75	6258	62	0.7	0.1	100.0
NH MANCHESTER	9	59	1000.0	314.0	24821	4724	23489	4322	0.0	0.0	97.9
NH MERRIMACK	60	34	50.0	308.0	11252	1988	10603	1876	4.3	1.8	99.5
NJ ATLANTIC CITY	53	46	50.0	85.0	1323	203	1323	203	0.0	0.0	100.0
NJ ATLANTIC CITY	62	49	94.3	133.0	11239	1022	9334	753	2.7	1.9	100.0
NJ BURLINGTON	48	27	50.0	335.0	17733	6572	16922	6439	4.0	1.5	98.5
NJ CAMDEN	23	22	68.6	271.0	17269	5873	17865	6092	3.4	4.0	96.6
NJ LINDEN	47	36	142.6	460.0	15112	16235	14745	16110	0.9	0.2	99.7
NJ MONTCLAIR	50	51	171.6	243.0	14658	15537	14154	15298	0.0	0.0	94.8
NJ NEW BRUNSWICK	58	18	50.0	223.0	12005	12745	9001	10886	2.1	8.7	100.0
NJ NEWARK	13	61	190.2	500.0	23252	17043	23140	17110	1.7	0.6	94.3
NJ NEWARK	68	53	53.5	439.0	16235	16027	15416	15684	0.2	0.0	99.8
NJ NEWTON	63	8	3.2	223.0	11904	6011	10979	8387	3.2	19.0	94.5
NJ PATERSON	41	40	66.2	421.0	17907	16592	17036	16236	1.1	0.3	99.9
NJ SECAUCUS	9	38	130.6	500.0	26658	17969	22677	16641	1.7	0.3	99.7
NJ TRENTON	52	43	50.0	271.0	14602	8450	13051	7454	2.1	1.1	99.3
NJ VINELAND	65	66	103.2	280.0	16834	5794	16899	5868	2.1	2.7	99.2
NJ WEST MILFORD	66	29	50.0	217.0	4176	4092	2891	2439	1.2	0.3	100.0
NJ WILDWOOD	40	36	50.0	128.0	9396	448	9396	448	3.7	1.8	100.0
NM ALBUQUERQUE	4	26	280.6	1280.0	46915	760	50822	779	0.0	0.0	91.2
NM ALBUQUERQUE	5	25	273.1	1289.0	46922	760	51101	776	0.0	0.0	91.8
NM ALBUQUERQUE	7	21	88.2	1292.0	39099	752	39015	751	0.0	0.0	99.2
NM ALBUQUERQUE	13	16	102.3	1287.0	41957	753	40657	749	0.0	0.0	99.9
NM ALBUQUERQUE	23	22	50.0	1259.0	30425	738	29481	726	0.0	0.0	100.0
NM ALBUQUERQUE	32	17	50.0	1236.0	9241	649	8573	647	0.3	0.0	100.0
NM ALBUQUERQUE	41	42	50.0	1266.0	24283	724	23639	717	0.2	0.0	100.0
NM ALBUQUERQUE	50	51	50.0	1276.0	33030	736	31739	729	0.0	0.0	100.0
NM CARLSBAD	6	19	1000.0	366.0	35354	160	32739	118	0.0	0.0	99.1
NM CLOVIS	12	20	572.4	204.0	21463	84	18025	82	0.0	0.0	100.0
NM FARMINGTON	12	15	1000.0	125.0	18163	114	16423	107	0.0	0.0	100.0
NM GALLUP	3	8	3.2	33.0	7480	55	6028	51	0.0	0.0	98.9
NM HOBBS	29	17	50.0	159.0	2995	39	2995	39	0.0	0.0	100.0
NM LAS CRUCES	22	23	50.0	137.0	10122	209	9113	124	0.0	0.0	100.0
NM LAS CRUCES	48	28	80.6	134.0	7295	563	7295	571	0.0	0.0	97.4
NM PORTALES	3	32	1000.0	351.0	35813	187	35342	187	0.0	0.0	99.8
NM ROSWELL	8	38	852.1	536.0	41374	163	39969	159	0.0	0.0	100.0
NM ROSWELL	10	41	945.4	610.0	45150	183	38701	168	0.0	0.0	100.0
NM ROSWELL	27	28	50.0	115.0	5816	58	5824	58	0.8	0.1	99.7
NM SANTA FE	2	27	307.4	1275.0	47438	763	52571	786	0.0	0.0	90.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
NM SANTA FE	11	10	22.3	618.0	36848	734	33228	708	0.0	0.0	100.0
NM SANTA FE	19	29	199.6	33.0	7469	139	7063	136	0.0	0.0	100.0
NM SILVER CITY	10	12	3.2	485.0	16044	46	13028	42	0.0	0.0	100.0
NV ELKO	10	8	3.2	564.0	13691	27	9850	27	0.1	0.0	100.0
NV HENDERSON	5	24	1000.0	363.0	22360	732	27543	734	0.0	0.0	78.5
NV LAS VEGAS	3	2	10.7	387.0	34620	745	31087	735	0.0	0.0	100.0
NV LAS VEGAS	8	7	25.3	610.0	31703	738	27141	733	0.0	0.0	100.0
NV LAS VEGAS	10	11	18.5	372.0	21635	730	19621	730	0.0	0.0	99.9
NV LAS VEGAS	13	17	565.2	610.0	28865	737	25542	733	0.0	0.0	99.9
NV LAS VEGAS	15	16	50.0	564.0	13102	726	12220	726	0.2	0.0	99.7
NV LAS VEGAS	21	20	94.2	353.0	12324	728	11359	726	0.6	0.0	99.8
NV LAS VEGAS	33	32	50.0	581.0	13527	726	12481	726	0.0	0.0	100.0
NV PARADISE	39	38	94.1	367.0	9533	724	8797	724	0.0	0.0	100.0
NV RENO	2	32	1000.0	656.0	27417	381	35369	451	0.0	0.0	76.7
NV RENO	4	33	1000.0	133.0	11130	283	18649	393	0.0	0.0	59.4
NV RENO	5	15	50.0	140.0	5755	293	7799	315	0.0	0.0	73.4
NV RENO	8	23	301.7	893.0	33971	488	34277	492	0.0	0.0	97.6
NV RENO	11	41	475.5	856.0	27599	389	28169	392	0.0	0.0	95.6
NV RENO	21	22	50.0	189.0	5858	267	5264	261	1.0	0.4	99.2
NV RENO	27	26	120.5	894.0	22550	393	20515	387	0.2	1.5	99.9
NV WINNEMUCCA	7	12	3.2	650.0	11192	12	7700	12	0.0	0.0	100.0
NY ALBANY	10	26	1000.0	305.0	21579	1303	19684	1229	1.3	0.8	99.8
NY ALBANY	13	15	484.1	357.0	21343	1273	18951	1181	0.4	0.1	100.0
NY ALBANY	23	4	1.0	366.0	18675	1310	16337	1162	0.5	0.9	99.4
NY AMSTERDAM	55	50	131.0	223.0	8886	868	8455	848	0.2	0.1	100.0
NY BATAVIA	51	53	50.0	124.0	8127	927	7393	912	0.4	4.1	99.7
NY BINGHAMTON	12	7	8.2	369.0	24446	933	22315	790	0.5	1.8	99.9
NY BINGHAMTON	34	4	1.0	281.0	15629	673	13102	489	0.4	0.1	99.9
NY BINGHAMTON	40	8	3.2	375.0	14229	572	12037	441	0.2	0.1	99.8
NY BINGHAMTON	46	42	50.0	375.0	13909	514	12321	453	0.1	0.1	100.0
NY BUFFALO	2	33	1000.0	287.0	31958	2202	26823	1718	1.7	0.8	98.6
NY BUFFALO	4	39	1000.0	366.0	34600	2109	32541	1918	0.4	0.2	98.6
NY BUFFALO	7	38	227.9	433.0	26625	1819	21697	1528	0.3	0.0	99.7
NY BUFFALO	17	43	149.3	330.0	21201	1389	21060	1373	2.1	1.0	99.5
NY BUFFALO	23	32	50.0	314.0	15984	1312	15706	1311	0.6	0.2	98.6
NY BUFFALO	29	14	50.0	280.0	15748	1323	15534	1311	2.1	0.6	99.8
NY BUFFALO	49	34	142.6	376.0	17297	1466	16849	1451	0.1	0.1	99.4
NY CARTHAGE	7	35	1000.0	221.0	24086	278	22351	250	3.2	3.6	100.0
NY CORNING	48	50	50.0	166.0	2406	129	1874	83	0.0	0.0	100.0
NY ELMIRA	18	2	1.0	376.0	14035	551	11052	366	0.6	1.5	99.8
NY ELMIRA	36	55	50.0	320.0	11788	383	10408	316	0.7	0.5	99.8
NY GARDEN CITY	21	22	84.5	122.0	10544	12575	9063	11134	1.3	0.4	99.8
NY JAMESTOWN	26	27	228.5	463.0	21043	1506	20662	1438	0.2	0.0	98.4
NY KINGSTON	62	21	93.8	591.0	18797	1798	15917	1457	0.2	0.2	99.0
NY NEW YORK	2	56	349.0	482.0	28758	18202	24094	16955	0.0	0.0	97.9
NY NEW YORK	4	28	156.5	515.0	28734	18233	25109	17181	0.7	0.1	96.5
NY NEW YORK	5	44	215.2	515.0	29029	18246	25117	17159	9.3	5.0	98.3
NY NEW YORK	7	45	157.3	491.0	26438	17881	23891	17189	2.0	0.3	99.9
NY NEW YORK	11	33	111.8	506.0	27065	17999	23184	17102	11.1	5.1	99.9
NY NEW YORK	25	24	77.3	395.0	18867	16706	18359	16695	6.4	1.6	99.1
NY NEW YORK	31	30	99.6	475.0	17709	16256	18052	16449	6.4	1.9	96.0
NY NORTH POLE	5	14	206.5	607.0	30965	437	25548	424	0.0	0.0	95.2
NY NORWOOD	18	23	50.0	243.0	13157	149	12357	136	0.1	0.0	100.0
NY PLATTSBURGH	57	38	50.0	741.0	14920	261	14416	258	0.0	0.0	100.0
NY POUGHKEEPSIE	54	27	112.5	490.0	18617	2988	14948	1743	1.5	0.4	99.8
NY RIVERHEAD	55	57	125.8	194.0	10327	3371	10190	3221	3.8	14.9	100.0
NY ROCHESTER	8	45	1000.0	152.0	20874	1185	17894	1108	1.8	1.5	99.9
NY ROCHESTER	10	58	1000.0	152.0	20749	1183	17186	1079	0.0	0.0	99.9
NY ROCHESTER	13	59	1000.0	152.0	20645	1180	16740	1100	0.0	0.0	99.9
NY ROCHESTER	21	16	50.0	152.0	9323	1002	9891	1015	17.5	3.3	93.3
NY ROCHESTER	31	28	50.0	152.0	11355	1021	11142	998	0.1	0.0	100.0
NY SCHENECTADY	6	39	1000.0	311.0	26234	1445	25625	1434	1.1	0.4	95.4
NY SCHENECTADY	17	34	149.7	299.0	17627	1218	17010	1155	2.2	0.7	99.4
NY SCHENECTADY	45	43	94.4	338.0	14501	1112	13868	1071	1.2	0.3	99.7
NY SMITHTOWN	67	23	50.0	219.0	11259	3233	10985	3074	0.1	0.2	99.7
NY SPRINGVILLE	67	46	50.0	160.0	1579	97	992	36	0.0	0.0	100.0
NY SYRACUSE	3	54	1000.0	305.0	29411	1473	26181	1295	0.1	0.1	98.0
NY SYRACUSE	5	47	1000.0	290.0	28196	1402	26367	1340	0.0	0.0	97.2
NY SYRACUSE	9	17	103.5	462.0	24043	1298	21052	1205	0.1	0.0	99.3
NY SYRACUSE	24	25	82.8	422.0	22841	1255	21801	1245	0.2	0.6	99.7
NY SYRACUSE	43	44	50.0	445.0	14186	1015	13359	970	1.0	1.0	99.9
NY SYRACUSE	68	19	50.0	445.0	14637	1034	13052	978	0.0	0.0	100.0
NY UTICA	2	29	522.7	421.0	27567	1207	22175	666	0.7	0.2	97.5
NY UTICA	20	30	50.0	244.0	12686	491	12340	448	3.2	0.7	95.1
NY UTICA	33	27	50.0	193.0	10776	683	9842	625	4.8	7.1	99.7
NY WATERTOWN	16	41	50.0	370.0	17055	207	16449	200	1.9	2.1	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
NY WATERTOWN	50	21	50.0	387.0	14564	177	14002	173	0.5	0.4	99.9
OH AKRON	23	59	429.9	293.0	22492	3925	20985	3623	1.6	0.3	99.7
OH AKRON	49	32	50.0	299.0	13130	2823	13146	3112	9.2	8.0	97.9
OH AKRON	55	30	104.1	356.0	18444	3486	18536	3478	0.5	1.7	96.3
OH ALLIANCE	45	46	50.0	253.0	14690	2194	13486	1972	0.6	0.4	99.9
OH ATHENS	20	27	50.0	244.0	14303	489	13715	456	1.7	1.1	100.0
OH BOWLING GREEN	27	56	50.0	320.0	16405	1112	16601	1148	0.0	0.0	98.8
OH CAMBRIDGE	44	35	50.0	393.0	15503	613	14432	551	0.1	0.1	100.0
OH CANTON	17	39	50.0	137.0	9392	1382	8453	1277	6.8	4.7	100.0
OH CANTON	67	47	81.5	148.0	11124	2658	11092	2864	0.1	0.0	97.0
OH CHILLICOTHE	53	46	148.1	362.0	18854	1775	17836	1689	7.2	5.9	99.6
OH CINCINNATI	5	35	1000.0	305.0	32454	3058	27785	2835	0.0	0.0	99.8
OH CINCINNATI	9	10	14.7	305.0	24591	2663	23981	2781	8.7	5.5	93.9
OH CINCINNATI	12	31	803.4	305.0	28647	2889	25519	2800	0.3	0.1	99.9
OH CINCINNATI	48	34	50.0	326.0	18261	2267	17522	2170	2.7	2.6	99.9
OH CINCINNATI	64	33	91.4	337.0	21123	2759	20336	2719	0.0	0.0	99.9
OH CLEVELAND	3	2	8.9	305.0	28379	3870	28211	3782	0.0	0.0	91.3
OH CLEVELAND	5	15	1000.0	311.0	32999	4085	26249	3694	2.1	0.6	100.0
OH CLEVELAND	8	31	897.2	305.0	28598	3894	25576	3659	0.0	0.0	99.8
OH CLEVELAND	25	26	64.0	304.0	17175	3290	15343	3019	6.9	2.7	100.0
OH CLEVELAND	61	34	50.0	354.0	18204	3327	18024	3318	1.4	3.5	99.9
OH COLUMBUS	4	14	1000.0	274.0	30205	2370	20823	1872	0.1	0.5	99.9
OH COLUMBUS	6	13	39.0	286.0	25664	2148	22531	1855	0.0	0.0	97.2
OH COLUMBUS	10	11	14.0	271.0	23175	1994	22429	1915	12.0	8.9	97.3
OH COLUMBUS	28	36	63.0	293.0	17308	1677	16990	1675	2.6	2.7	97.7
OH COLUMBUS	34	38	50.0	329.0	17002	1673	16567	1642	2.8	1.7	99.8
OH DAYTON	2	50	1000.0	305.0	32161	3390	23541	3049	0.7	0.1	99.7
OH DAYTON	7	41	472.1	348.0	27495	3231	22628	3069	0.0	0.0	99.9
OH DAYTON	16	58	100.1	350.0	20406	2881	18568	2681	3.6	2.4	100.0
OH DAYTON	22	51	132.9	351.0	20714	2952	19726	2774	0.7	0.2	94.8
OH DAYTON	45	39	153.2	357.0	19468	2910	18391	2724	7.8	1.4	98.8
OH LIMA	35	20	50.0	165.0	10466	439	10054	433	2.7	4.2	100.0
OH LIMA	44	57	50.0	207.0	11869	480	11788	478	0.0	0.0	100.0
OH LORAIN	43	28	120.3	336.0	19611	3380	18872	3316	5.1	2.3	99.6
OH MANSFIELD	68	12	3.2	180.0	12086	572	11882	566	0.0	0.0	99.6
OH NEWARK	51	24	50.0	189.0	10416	1286	9830	1265	9.0	17.4	99.9
OH OXFORD	14	28	50.0	91.0	6275	1303	5898	1202	24.0	32.5	99.9
OH PORTSMOUTH	30	17	50.0	237.0	15354	537	14371	446	2.8	1.4	100.0
OH PORTSMOUTH	42	43	50.0	382.0	14706	495	14020	445	2.9	1.0	99.5
OH SANDUSKY	52	42	50.0	236.0	13436	657	13432	657	0.1	0.0	100.0
OH SHAKER HEIGHTS	19	10	3.5	351.0	19166	3437	18103	3086	17.3	3.7	90.2
OH SPRINGFIELD	26	18	50.0	149.0	12014	1312	11922	1299	2.0	2.6	99.5
OH STEUBENVILLE	9	57	1000.0	268.0	25540	3350	21572	2862	0.0	0.0	99.4
OH TOLEDO	11	17	520.3	305.0	28648	4269	26457	4003	6.8	1.4	100.0
OH TOLEDO	13	19	535.1	305.0	21292	2442	22248	2293	6.3	2.9	90.5
OH TOLEDO	24	49	302.3	424.0	23796	2279	23321	2257	6.5	2.1	100.0
OH TOLEDO	30	29	50.0	314.0	16186	1774	16109	1767	4.6	3.2	100.0
OH TOLEDO	36	46	63.3	372.0	17228	1407	17031	1398	5.9	2.0	100.0
OH TOLEDO	40	5	1.0	174.0	10616	936	11127	958	10.7	4.0	95.3
OH YOUNGSTOWN	21	20	140.7	302.0	21069	2702	19021	1952	0.7	1.2	100.0
OH YOUNGSTOWN	27	41	50.0	436.0	19960	2575	19241	2366	2.1	6.4	99.9
OH YOUNGSTOWN	33	36	50.0	177.0	11401	1213	11208	1189	6.4	5.6	100.0
OH ZANESVILLE	18	40	50.0	162.0	10904	404	10509	384	2.5	5.2	100.0
OK ADA	10	26	614.8	445.0	36458	452	32152	390	0.0	0.0	100.0
OK BARTLESVILLE	17	14	142.7	316.0	16700	801	15901	782	0.1	0.0	99.2
OK CHEYENNE	12	8	15.1	299.0	27427	97	23103	77	0.0	0.0	100.0
OK CLAREMORE	35	36	75.6	256.0	14061	785	14037	786	0.7	0.7	99.7
OK ENID	20	18	50.0	136.0	7094	71	7094	71	0.0	0.0	100.0
OK EUFAULA	3	31	1000.0	399.0	34860	654	25056	348	0.0	0.0	98.9
OK LAWTON	7	23	579.4	320.0	29406	391	26852	378	0.0	0.0	99.8
OK OKLAHOMA CITY	4	27	1000.0	469.0	43214	1367	38465	1290	0.0	0.0	99.8
OK OKLAHOMA CITY	5	16	1000.0	464.0	39806	1317	33032	1235	0.5	0.1	100.0
OK OKLAHOMA CITY	9	39	804.8	465.0	37637	1299	33951	1267	0.6	0.2	100.0
OK OKLAHOMA CITY	13	32	700.0	465.0	37649	1299	32294	1233	0.0	0.0	100.0
OK OKLAHOMA CITY	14	15	50.0	344.0	17111	1060	17082	1060	2.2	0.7	100.0
OK OKLAHOMA CITY	25	24	125.2	469.0	25485	1152	25388	1151	0.2	0.0	100.0
OK OKLAHOMA CITY	34	33	50.0	369.0	18605	1079	18533	1078	0.0	0.0	100.0
OK OKLAHOMA CITY	43	40	53.2	475.0	23719	1133	23352	1128	1.4	0.6	100.0
OK OKLAHOMA CITY	52	51	50.0	183.0	11722	993	11642	992	0.0	0.0	100.0
OK OKLAHOMA CITY	62	50	50.0	240.0	14644	1004	14607	1004	0.0	0.0	99.7
OK OKMULGEE	44	28	128.1	277.0	15996	822	15326	816	0.4	0.2	100.0
OK SHAWNEE	30	29	198.5	255.0	20259	1093	19843	1087	0.9	0.6	100.0
OK TULSA	2	56	1000.0	558.0	46744	1245	39680	1155	0.0	0.0	99.7
OK TULSA	6	55	1000.0	573.0	47847	1268	38329	1095	0.0	0.0	99.9
OK TULSA	8	58	1000.0	578.0	42332	1170	36166	1095	0.0	0.0	100.0
OK TULSA	11	38	802.4	521.0	40129	1150	35069	1080	0.0	0.0	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
OK TULSA	23	22	123.7	399.0	25942	991	25477	988	1.0	0.3	100.0
OK TULSA	41	42	50.0	460.0	21495	919	20817	913	0.0	0.0	100.0
OK TULSA	47	48	50.0	460.0	18366	878	17256	866	0.0	0.0	100.0
OK TULSA	53	49	50.0	182.0	12221	767	11952	763	0.3	0.0	100.0
OR BEND	3	11	19.2	227.0	19374	104	22098	104	0.0	0.0	87.7
OR BEND	21	18	50.0	197.0	6192	86	5596	83	0.0	0.0	100.0
OR COOS BAY	11	21	50.0	192.0	9263	67	8895	62	0.0	0.0	100.0
OR COOS BAY	23	22	50.0	190.0	3080	56	2671	52	0.6	0.2	100.0
OR CORVALLIS	7	39	1000.0	375.0	24882	967	23686	848	0.0	0.0	97.8
OR EUGENE	9	14	524.5	539.0	32527	680	28911	574	0.0	0.0	99.8
OR EUGENE	13	25	602.7	451.0	27886	663	25085	519	0.0	0.0	99.9
OR EUGENE	16	17	69.6	512.0	18133	421	17099	415	0.4	0.1	100.0
OR EUGENE	28	29	50.0	276.0	8622	343	7830	333	1.2	0.2	100.0
OR EUGENE	34	26	83.9	259.0	8916	385	8784	379	0.3	0.1	96.8
OR KLAMATH FALLS	2	40	1000.0	671.0	35786	86	44523	159	0.0	0.0	79.6
OR KLAMATH FALLS	22	33	50.0	656.0	7861	56	6269	55	0.0	0.0	100.0
OR KLAMATH FALLS	31	29	50.0	691.0	5479	55	4555	54	0.0	0.0	100.0
OR LA GRANDE	13	5	1.0	787.0	21361	76	14518	39	0.0	0.0	100.0
OR MEDFORD	5	15	635.9	823.0	38771	346	44977	370	0.0	0.0	86.1
OR MEDFORD	8	42	526.8	818.0	32129	309	32814	322	0.0	0.0	95.9
OR MEDFORD	10	35	296.4	1009.0	33866	276	34390	277	0.0	0.0	97.5
OR MEDFORD	12	38	488.1	823.0	32581	310	31331	314	0.0	0.0	98.7
OR MEDFORD	26	27	50.0	428.0	6407	161	5794	151	0.0	0.0	100.0
OR PENDLETON	11	4	4.8	472.0	30822	268	28921	260	0.1	0.0	99.0
OR PORTLAND	2	43	1000.0	475.0	30177	1966	35417	2000	0.0	0.0	84.8
OR PORTLAND	6	40	1000.0	533.0	31477	1927	36086	2002	0.0	0.0	86.9
OR PORTLAND	8	46	960.0	539.0	29498	1964	27461	1845	0.0	0.0	98.1
OR PORTLAND	10	27	646.6	530.0	30034	1971	28520	1882	0.0	0.0	99.9
OR PORTLAND	12	30	703.9	543.0	30193	1986	28256	1882	0.0	0.0	99.7
OR PORTLAND	24	45	153.8	463.0	18209	1790	17370	1762	0.5	0.1	99.7
OR ROSEBURG	4	19	50.0	305.0	10747	87	12503	98	0.0	0.0	85.9
OR ROSEBURG	36	18	50.0	211.0	3884	69	2997	62	0.0	0.0	100.0
OR ROSEBURG	46	45	50.0	109.0	2115	65	1700	60	0.7	0.4	100.0
OR SALEM	22	20	52.3	363.0	18164	1828	16795	1405	0.0	0.0	100.0
OR SALEM	32	33	245.8	544.0	24298	1922	23069	1827	0.3	1.1	100.0
PA ALLENTOWN	39	62	50.0	302.0	11643	2301	11339	2543	5.5	11.6	97.0
PA ALLENTOWN	69	46	50.0	313.0	11443	2137	9888	1915	2.5	7.8	99.6
PA ALTOONA	10	32	1000.0	338.0	23152	828	20969	764	0.0	0.0	99.5
PA ALTOONA	23	24	50.0	324.0	7220	350	5674	289	0.6	0.0	100.0
PA ALTOONA	47	46	50.0	308.0	12792	590	11515	530	1.7	0.4	100.0
PA BETHLEHEM	60	59	64.5	284.0	11078	3332	10389	2283	0.9	2.6	95.1
PA CLEARFIELD	3	15	1000.0	268.0	27314	684	25059	691	0.0	0.0	97.3
PA ERIE	12	52	1000.0	305.0	28000	734	24477	671	0.0	0.0	100.0
PA ERIE	24	58	50.0	290.0	13553	467	13321	456	0.0	0.0	100.0
PA ERIE	35	16	50.0	287.0	11373	436	11012	422	0.3	0.4	100.0
PA ERIE	54	50	50.0	268.0	13401	446	13006	426	0.2	0.1	100.0
PA ERIE	66	22	50.0	271.0	10892	417	10264	396	0.0	0.0	100.0
PA GREENSBURG	40	50	50.0	299.0	14217	2554	13820	2528	1.5	3.4	99.5
PA HARRISBURG	21	4	1.0	372.0	17890	1898	16062	1741	3.1	4.1	96.3
PA HARRISBURG	27	57	110.6	346.0	14843	1598	15276	1653	9.6	7.1	95.1
PA HARRISBURG	33	36	50.0	427.0	17686	1887	16987	1804	3.4	1.9	99.0
PA HAZLETON	56	9	3.2	329.0	11652	822	8230	489	1.9	0.7	99.7
PA JOHNSTOWN	6	34	1000.0	341.0	27576	2643	27752	2648	0.9	0.1	94.8
PA JOHNSTOWN	8	29	633.7	368.0	21704	2586	18655	2234	0.0	0.0	99.6
PA JOHNSTOWN	19	30	155.2	325.0	17684	2376	16346	2044	0.4	0.5	99.9
PA LANCASTER	8	58	366.4	415.0	23977	3423	21703	2785	1.5	1.3	98.8
PA LANCASTER	15	23	50.0	415.0	17784	2101	17386	2079	10.1	7.7	95.4
PA PHILADELPHIA	3	26	1000.0	305.0	32197	9424	25543	7578	0.0	0.0	99.9
PA PHILADELPHIA	6	64	1000.0	332.0	30825	9122	27031	7747	8.0	1.8	98.1
PA PHILADELPHIA	10	67	757.9	354.0	26104	8148	23491	7190	0.4	0.3	98.2
PA PHILADELPHIA	17	54	164.6	320.0	19073	6755	19964	6768	1.1	0.7	93.8
PA PHILADELPHIA	29	42	261.6	347.0	22969	7506	23279	7499	15.5	10.0	95.8
PA PHILADELPHIA	35	34	50.0	284.0	11647	5631	11619	5690	1.1	1.6	98.2
PA PHILADELPHIA	57	32	103.9	353.0	16843	6507	15698	6210	2.6	0.7	99.6
PA PITTSBURGH	2	25	1000.0	302.0	29472	3489	26900	3339	8.0	5.4	98.2
PA PITTSBURGH	4	51	1000.0	293.0	28785	3237	24960	3089	0.0	0.0	97.7
PA PITTSBURGH	11	48	1000.0	302.0	26428	3433	23126	3090	0.4	0.1	99.9
PA PITTSBURGH	13	38	1000.0	210.0	23244	3084	20243	2892	1.0	0.3	100.0
PA PITTSBURGH	16	26	50.0	215.0	12490	2527	12154	2493	1.1	0.2	99.8
PA PITTSBURGH	22	42	316.6	280.0	16264	2735	14380	2580	0.7	0.4	99.9
PA PITTSBURGH	53	43	50.0	312.0	16622	2787	16057	2729	3.5	1.7	100.0
PA READING	51	25	114.9	395.0	18049	5838	16581	5175	5.3	5.1	98.3
PA RED LION	49	30	50.0	177.0	9806	1519	8685	1319	5.7	7.3	99.9
PA SCRANTON	16	49	70.4	506.0	19642	1512	18311	1353	0.4	0.5	99.8
PA SCRANTON	22	13	4.1	505.0	23875	1813	21186	1555	1.5	1.6	98.5
PA SCRANTON	38	31	50.0	385.0	15311	864	13984	819	6.1	3.3	98.6

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
PA SCRANTON	44	41	50.0	509.0	16803	1320	14479	1057	3.5	6.1	99.1
PA SCRANTON	64	32	50.0	374.0	3254	481	2498	441	4.5	0.5	100.0
PA WILKES-BARRE	28	11	3.6	509.0	23638	1771	21831	1618	6.9	10.6	97.4
PA WILLIAMSPORT	53	29	50.0	222.0	3575	162	2437	121	0.0	0.0	100.0
PA YORK	43	47	215.8	417.0	19254	2446	18552	2529	2.4	7.0	97.0
RI BLOCK ISLAND	69	17	50.0	213.0	11770	1637	11291	1552	0.0	0.0	100.0
RI PROVIDENCE	10	51	1000.0	305.0	27782	6186	23558	5267	11.4	3.0	99.9
RI PROVIDENCE	12	13	14.6	305.0	27191	6110	25661	5488	8.6	2.5	99.9
RI PROVIDENCE	36	21	50.0	182.0	11210	2577	11133	2569	8.4	3.3	97.0
RI PROVIDENCE	64	54	88.6	315.0	14705	3463	13709	2800	0.0	0.0	99.7
SC ALLENDALE	14	33	50.0	244.0	13624	362	13573	358	1.9	2.0	99.8
SC ANDERSON	40	14	50.0	311.0	15444	1021	14646	984	0.1	0.1	99.2
SC BEAUFORT	16	44	50.0	390.0	19727	670	19643	670	0.3	0.4	100.0
SC CHARLESTON	2	59	1000.0	594.0	51082	994	45904	819	0.0	0.0	100.0
SC CHARLESTON	4	53	1000.0	597.0	51399	977	42292	713	0.0	0.0	100.0
SC CHARLESTON	5	52	1000.0	597.0	51435	988	46921	835	0.0	0.0	100.0
SC CHARLESTON	7	49	1000.0	564.0	33353	825	30920	757	0.0	0.0	100.0
SC CHARLESTON	24	40	315.1	542.0	29299	697	27779	655	0.0	0.0	100.0
SC CHARLESTON	36	35	93.5	256.0	14028	502	14020	502	0.0	0.0	100.0
SC COLUMBIA	10	41	836.6	472.0	37989	1479	33420	1229	0.9	0.3	100.0
SC COLUMBIA	19	17	222.0	533.0	28901	1053	27871	1020	0.1	0.0	99.5
SC COLUMBIA	25	8	3.2	253.0	16894	776	15619	757	14.4	5.2	99.2
SC COLUMBIA	35	32	50.0	314.0	14267	727	14039	721	5.5	2.3	100.0
SC COLUMBIA	57	48	105.0	193.0	13162	715	13074	714	20.6	6.6	100.0
SC CONWAY	23	58	81.4	250.0	16109	450	15408	427	0.5	0.3	100.0
SC FLORENCE	13	56	1000.0	594.0	44012	1448	38937	1320	0.0	0.0	100.0
SC FLORENCE	15	16	50.0	594.0	29104	1061	28908	1059	2.8	3.1	99.9
SC FLORENCE	21	20	70.6	567.0	22756	788	22085	775	2.3	1.5	99.9
SC FLORENCE	33	45	50.0	241.0	12388	382	12120	379	1.0	0.6	100.0
SC GREENVILLE	4	59	1000.0	610.0	41224	1897	39424	1774	0.0	0.0	92.0
SC GREENVILLE	16	52	60.2	351.0	16092	1085	16413	1105	0.3	0.1	97.0
SC GREENVILLE	29	9	4.9	392.0	19055	1186	19301	1190	0.5	0.3	93.9
SC GREENWOOD	38	18	50.0	235.0	14231	774	14390	764	0.5	0.4	98.1
SC HARDEEVILLE	28	27	217.0	457.0	24891	570	24827	569	0.2	0.0	100.0
SC MYRTLE BEACH	43	18	119.3	463.0	25540	761	25592	760	0.4	1.0	99.8
SC ROCK HILL	30	15	50.0	210.0	11318	1017	11334	1006	6.8	6.7	95.7
SC ROCK HILL	55	39	140.8	570.0	30453	2257	29160	2209	6.1	4.0	100.0
SC SPARTANBURG	7	53	1000.0	610.0	39763	2297	38654	2205	0.0	0.0	98.5
SC SPARTANBURG	49	43	50.0	296.0	15730	1043	15059	977	2.8	2.0	99.8
SC SUMTER	27	28	50.0	354.0	17105	715	16471	529	1.0	0.7	100.0
SC SUMTER	63	38	50.0	165.0	2186	116	2118	115	0.0	0.0	100.0
SD ABERDEEN	9	28	643.3	427.0	34369	132	28565	112	0.0	0.0	100.0
SD ABERDEEN	16	17	50.0	357.0	20483	75	20039	71	0.0	0.0	100.0
SD BROOKINGS	8	18	767.3	229.0	24013	139	20117	127	0.4	1.6	100.0
SD EAGLE BUTTE	13	24	618.5	518.0	39782	20	34774	17	0.0	0.0	100.0
SD FLORENCE	3	25	1000.0	512.0	45862	202	44067	198	0.0	0.0	99.9
SD HURON	12	22	937.2	259.0	26305	81	21859	71	0.0	0.0	100.0
SD LEAD	5	26	1000.0	564.0	45177	147	43905	149	0.0	0.0	98.3
SD LEAD	11	27	711.8	576.0	40830	146	38672	144	0.0	0.0	100.0
SD LOWRY	11	15	352.8	317.0	27805	29	21711	24	0.0	0.0	100.0
SD MARTIN	8	20	895.5	265.0	26063	29	23541	27	0.0	0.0	100.0
SD MITCHELL	5	26	1000.0	460.0	42190	379	38297	340	0.0	0.0	100.0
SD PIERRE	4	19	1000.0	378.0	36775	51	32612	46	0.0	0.0	100.0
SD PIERRE	10	21	561.0	488.0	37574	60	32004	55	0.0	0.0	99.9
SD RAPID CITY	3	22	1000.0	201.0	24395	122	23814	128	0.0	0.0	96.4
SD RAPID CITY	7	18	905.0	204.0	20758	122	18203	118	0.0	0.0	99.8
SD RAPID CITY	9	23	68.3	202.0	13894	102	13117	106	0.0	0.0	99.2
SD RAPID CITY	15	16	50.0	155.0	10545	103	10141	98	2.5	0.1	100.0
SD RELIANCE	6	14	1000.0	338.0	35061	59	32119	56	0.0	0.0	100.0
SD SIOUX FALLS	11	32	50.0	192.0	12872	214	12124	209	0.0	0.0	99.9
SD SIOUX FALLS	13	29	736.2	610.0	43879	496	35241	417	0.0	0.0	100.0
SD SIOUX FALLS	17	7	3.2	151.0	6670	160	6618	159	0.4	0.2	100.0
SD SIOUX FALLS	23	24	50.0	54.0	1623	122	1623	122	0.2	0.0	100.0
SD SIOUX FALLS	36	48	50.0	293.0	15198	228	15226	228	1.4	0.8	99.6
SD SIOUX FALLS	46	47	147.4	607.0	32808	387	31976	377	0.0	0.0	100.0
SD VERMILION	2	34	1000.0	232.0	29029	437	28686	434	0.0	0.0	98.9
TN CHATTANOOGA	3	55	1000.0	320.0	26577	1040	27342	1025	0.0	0.0	91.1
TN CHATTANOOGA	9	35	1000.0	317.0	25102	1009	21972	892	0.0	0.0	99.7
TN CHATTANOOGA	12	47	1000.0	384.0	28037	1077	25944	1001	0.0	0.0	98.7
TN CHATTANOOGA	45	29	50.0	329.0	15872	760	14511	722	0.9	1.2	100.0
TN CHATTANOOGA	61	40	121.9	370.0	14437	733	13584	702	0.0	0.0	99.7
TN CLEVELAND	53	42	50.0	356.0	11935	713	11072	686	2.8	2.2	100.0
TN COOKEVILLE	22	52	70.4	425.0	20176	354	19688	347	1.1	1.3	100.0
TN COOKEVILLE	28	36	50.0	279.0	10744	200	9879	192	4.6	2.8	100.0
TN CROSSVILLE	20	50	340.7	738.0	35145	1262	33955	1230	1.5	1.9	99.7
TN GREENEVILLE	39	38	124.3	802.0	21110	1069	19708	968	1.2	1.0	99.7

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
TN HENDERSONVILLE	50	51	134.6	235.0	11856	983	11660	966	4.2	1.9	99.9
TN JACKSON	7	43	880.6	323.0	29282	565	25511	510	0.0	0.0	100.0
TN JACKSON	16	39	321.9	322.0	20322	452	20105	449	1.0	0.6	100.0
TN JELLICO	54	23	50.0	395.0	4912	216	3759	163	0.0	0.0	100.0
TN JOHNSON CITY	11	58	938.9	707.0	30048	1072	29354	1028	0.1	0.0	96.2
TN KINGSPORT	19	27	52.0	707.0	19306	728	18536	708	0.4	0.2	99.3
TN KNOXVILLE	6	26	1000.0	454.0	33062	1210	33026	1181	0.0	0.0	93.2
TN KNOXVILLE	8	30	635.1	382.0	21294	980	19888	941	0.0	0.0	99.8
TN KNOXVILLE	10	31	735.0	546.0	33656	1217	29785	1101	3.1	1.7	99.8
TN KNOXVILLE	15	17	88.2	513.0	20171	934	19516	922	0.6	0.3	99.8
TN KNOXVILLE	43	34	50.0	351.0	14106	817	13576	800	1.8	2.4	99.7
TN LEBANON	66	44	50.0	161.0	8934	901	8313	866	0.0	0.0	99.9
TN LEXINGTON	11	47	1000.0	195.0	23613	475	20401	417	0.0	0.0	100.0
TN MEMPHIS	3	28	1000.0	305.0	33675	1451	24845	1287	0.0	0.0	100.0
TN MEMPHIS	5	52	1000.0	308.0	33416	1440	29582	1379	0.0	0.0	99.9
TN MEMPHIS	10	29	642.1	329.0	29843	1365	24952	1276	1.6	0.5	100.0
TN MEMPHIS	13	53	1000.0	308.0	28740	1348	25719	1304	0.0	0.0	100.0
TN MEMPHIS	24	25	106.6	308.0	20878	1195	20718	1193	0.1	0.0	100.0
TN MEMPHIS	30	31	198.7	305.0	17571	1125	17334	1123	0.1	0.1	100.0
TN MEMPHIS	50	51	50.0	315.0	15661	1129	15581	1129	0.5	0.1	100.0
TN MURFREESBORO	39	38	175.4	250.0	15067	1089	14421	1066	3.2	1.3	99.9
TN NASHVILLE	2	27	1000.0	411.0	38226	1665	32297	1472	0.0	0.0	100.0
TN NASHVILLE	4	10	38.0	434.0	38167	1649	34521	1561	0.1	0.0	99.7
TN NASHVILLE	5	56	1000.0	425.0	37981	1674	33627	1569	0.0	0.0	99.5
TN NASHVILLE	8	46	896.4	390.0	32317	1502	28879	1420	0.0	0.0	100.0
TN NASHVILLE	17	15	116.6	354.0	24174	1347	23718	1337	1.8	0.7	99.9
TN NASHVILLE	30	21	175.2	430.0	23850	1366	23686	1364	0.9	2.3	98.6
TN NASHVILLE	58	23	50.3	240.0	13525	1078	13084	1067	4.3	3.7	99.8
TN SNEEDVILLE	2	41	1000.0	536.0	37306	1655	38851	1659	0.0	0.0	91.8
TX ABILENE	9	29	1000.0	259.0	26603	224	19981	204	4.7	3.3	100.0
TX ABILENE	32	24	50.0	287.0	17302	182	17206	182	0.7	0.2	100.0
TX ALVIN	67	36	103.0	543.0	22575	3738	22591	3738	0.1	0.0	99.9
TX AMARILLO	2	21	1000.0	401.0	38326	317	36338	310	0.0	0.0	100.0
TX AMARILLO	4	19	1000.0	433.0	40542	325	39077	324	0.0	0.0	100.0
TX AMARILLO	7	24	618.6	518.0	40089	319	35704	316	0.0	0.0	100.0
TX AMARILLO	10	9	19.9	466.0	36839	314	33165	304	0.0	0.0	100.0
TX AMARILLO	14	15	50.0	464.0	24118	285	23951	285	0.0	0.0	100.0
TX ARLINGTON	68	42	101.1	360.0	18136	3883	17975	3879	0.0	0.0	99.8
TX AUSTIN	7	56	1000.0	384.0	32047	1324	30089	1269	0.0	0.0	99.8
TX AUSTIN	18	22	63.8	335.0	18661	907	18352	904	4.5	0.8	99.9
TX AUSTIN	24	33	77.9	387.0	22580	997	20626	965	1.8	0.2	100.0
TX AUSTIN	36	21	151.5	374.0	25393	1101	23977	1044	0.1	0.0	99.8
TX AUSTIN	42	43	79.1	393.0	17821	911	16505	878	1.0	0.1	100.0
TX AUSTIN	54	49	170.0	374.0	23395	1020	21914	1005	5.4	7.0	99.9
TX BAYTOWN	57	41	138.2	585.0	26217	3625	26197	3625	0.0	0.0	100.0
TX BEAUMONT	6	21	1000.0	293.0	33120	704	28386	640	0.0	0.0	100.0
TX BEAUMONT	12	50	998.6	305.0	26753	650	23716	603	0.0	0.0	100.0
TX BEAUMONT	34	33	50.0	312.0	13852	541	13852	541	0.0	0.0	100.0
TX BELTON	46	47	50.0	384.0	15397	603	14824	547	1.6	0.4	100.0
TX BIG SPRING	4	33	130.2	116.0	12027	55	11906	55	0.0	0.0	99.9
TX BROWNSVILLE	23	24	95.8	445.0	19574	667	19566	667	0.0	0.0	100.0
TX BRYAN	3	59	1000.0	515.0	42748	2829	30202	522	0.0	0.0	100.0
TX BRYAN	28	29	50.0	220.0	12738	224	12742	224	0.5	0.1	99.9
TX COLLEGE STATION	15	12	3.2	119.0	4071	137	4071	137	0.0	0.0	100.0
TX CONROE	49	5	1.0	359.0	15464	3336	13430	2266	0.1	0.0	100.0
TX CONROE	55	42	148.7	570.0	32248	3841	31975	3838	3.6	0.3	100.0
TX CORPUS CHRISTI	3	47	1000.0	262.0	31451	490	30486	488	0.0	0.0	100.0
TX CORPUS CHRISTI	6	50	1000.0	291.0	28940	493	28236	490	0.0	0.0	100.0
TX CORPUS CHRISTI	10	18	604.2	287.0	27997	493	27637	491	0.0	0.0	100.0
TX CORPUS CHRISTI	16	22	50.0	296.0	15085	447	15085	447	0.0	0.0	100.0
TX CORPUS CHRISTI	28	27	50.0	232.0	10892	419	10892	419	0.0	0.0	100.0
TX DALLAS	4	35	1000.0	511.0	45496	4405	40694	4278	0.0	0.0	100.0
TX DALLAS	8	9	20.5	512.0	39434	4224	35954	4161	0.0	0.0	100.0
TX DALLAS	13	14	463.9	469.0	37984	4202	34197	4145	0.0	0.0	100.0
TX DALLAS	27	36	268.2	515.0	27304	4058	27151	4058	2.1	0.2	100.0
TX DALLAS	33	32	209.4	518.0	27039	4048	26714	4044	0.1	0.0	99.9
TX DALLAS	39	40	211.8	512.0	31598	4099	31248	4095	0.5	0.0	100.0
TX DALLAS	58	45	147.7	438.0	21245	3941	21140	3939	0.0	0.0	100.0
TX DECATUR	29	30	95.1	160.0	11515	3700	11916	3713	3.0	0.3	96.3
TX DEL RIO	10	28	1000.0	100.0	7805	47	7493	47	0.0	0.0	100.0
TX DENTON	2	31	1000.0	412.0	39287	4218	36831	4176	0.0	0.0	100.0
TX EAGLE PASS	16	18	50.0	85.0	2385	36	2385	36	0.0	0.0	100.0
TX EL PASO	4	16	1000.0	475.0	39256	722	39212	722	0.0	0.0	98.7
TX EL PASO	7	17	1000.0	265.0	25440	722	23481	722	0.0	0.0	100.0
TX EL PASO	9	18	653.7	582.0	40320	723	37215	723	0.0	0.0	100.0
TX EL PASO	13	29	952.6	265.0	23441	720	21850	720	0.0	0.0	99.7

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city		NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
						Area (sq km)	People (thous)	Current service		New interference		
								Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
TX	EL PASO	14	15	50.0	604.0	21819	720	19668	720	0.1	0.1	100.0
TX	EL PASO	26	25	68.0	457.0	16514	717	16029	717	0.3	0.3	100.0
TX	EL PASO	38	39	50.0	557.0	8401	628	7981	628	0.0	0.0	100.0
TX	EL PASO	65	51	50.0	557.0	15864	703	15091	703	0.0	0.0	100.0
TX	FORT WORTH	5	41	1000.0	514.0	45538	4411	39610	4227	0.0	0.0	100.0
TX	FORT WORTH	11	19	528.6	509.0	40067	4245	34825	4150	1.0	0.1	100.0
TX	FORT WORTH	21	18	210.5	503.0	27792	4056	27744	4053	0.7	0.1	99.7
TX	FORT WORTH	52	51	165.5	328.0	14609	3812	14188	3802	0.0	0.0	100.0
TX	GALVESTON	22	23	236.0	566.0	30801	3696	30801	3696	0.0	0.0	100.0
TX	GALVESTON	48	47	160.9	358.0	18436	3461	18133	3350	0.0	0.0	100.0
TX	GARLAND	23	24	165.5	348.0	12897	3155	12589	3047	1.8	0.4	100.0
TX	GREENVILLE	47	46	50.0	155.0	2533	70	2533	70	0.0	0.0	100.0
TX	HARLINGEN	4	31	1000.0	396.0	38632	687	36762	686	0.0	0.0	100.0
TX	HARLINGEN	44	34	50.0	296.0	13869	657	13869	657	0.0	0.0	100.0
TX	HARLINGEN	60	38	50.0	372.0	14082	661	14082	661	0.0	0.0	100.0
TX	HOUSTON	2	35	1000.0	588.0	50581	3935	44930	3865	0.0	0.0	100.0
TX	HOUSTON	8	53	1000.0	564.0	38028	3869	37240	3850	0.0	0.0	99.9
TX	HOUSTON	11	31	751.7	570.0	44538	3901	42875	3879	0.0	0.0	100.0
TX	HOUSTON	13	32	762.7	588.0	44321	3900	41721	3870	0.2	0.0	100.0
TX	HOUSTON	14	24	265.2	438.0	25785	3782	25619	3781	0.1	0.0	100.0
TX	HOUSTON	20	19	228.8	552.0	27892	3788	27863	3788	0.7	0.1	100.0
TX	HOUSTON	26	27	228.8	594.0	31368	3825	31101	3816	0.5	0.1	100.0
TX	HOUSTON	39	38	199.5	594.0	27723	3779	27530	3776	0.0	0.0	100.0
TX	HOUSTON	61	44	117.0	429.0	20486	3695	20482	3695	0.0	0.0	100.0
TX	IRVING	49	48	173.6	365.0	19468	3910	19323	3907	0.9	0.2	100.0
TX	JACKSONVILLE	56	22	96.9	482.0	20000	554	19872	552	2.7	3.5	100.0
TX	KATY	51	52	67.9	500.0	20118	3688	20050	3687	0.0	0.0	100.0
TX	KERRVILLE	35	17	141.8	536.0	23586	1420	22701	1411	1.7	1.4	100.0
TX	KILLEEN	62	23	50.0	408.0	17009	540	16864	540	0.0	0.0	99.5
TX	LAKE DALLAS	55	43	55.8	142.0	10429	3601	10253	3565	0.0	0.0	100.0
TX	LAREDO	8	15	503.8	312.0	26413	140	25684	137	0.0	0.0	100.0
TX	LAREDO	13	14	137.4	280.0	21033	143	20347	143	9.5	5.3	100.0
TX	LAREDO	27	19	77.5	67.0	6996	132	6972	132	0.0	0.0	100.0
TX	LLANO	14	27	166.6	269.0	19355	270	17337	118	7.3	5.3	100.0
TX	LONGVIEW	51	52	161.7	381.0	17654	538	17275	521	0.7	0.5	99.6
TX	LUBBOCK	5	39	1000.0	226.0	28511	364	28273	364	0.0	0.0	100.0
TX	LUBBOCK	11	44	1000.0	232.0	25338	351	24403	349	1.9	0.3	100.0
TX	LUBBOCK	13	40	1000.0	268.0	25110	342	24059	342	0.0	0.0	100.0
TX	LUBBOCK	16	25	50.0	83.0	5191	235	5179	235	0.3	0.0	100.0
TX	LUBBOCK	28	27	50.4	256.0	16287	300	16194	300	1.4	0.0	100.0
TX	LUBBOCK	34	35	115.8	256.0	15056	295	14980	295	0.0	0.0	100.0
TX	LUFKIN	9	43	778.5	204.0	18165	224	16010	206	3.8	5.1	100.0
TX	MCALLEN	48	30	56.1	288.0	14991	658	14959	656	0.0	0.0	100.0
TX	MIDLAND	2	26	1000.0	323.0	34584	345	33064	341	0.0	0.0	100.0
TX	NACOGDOCHES	19	18	50.0	222.0	8477	141	8445	140	6.9	3.1	100.0
TX	ODESSA	7	31	1000.0	226.0	25494	279	25006	278	0.0	0.0	100.0
TX	ODESSA	9	15	465.6	387.0	33322	335	29562	297	0.0	0.0	100.0
TX	ODESSA	24	23	95.5	335.0	18781	289	18874	289	0.0	0.0	99.5
TX	ODESSA	36	22	50.0	88.0	4783	225	4823	225	0.0	0.0	99.2
TX	ODESSA	42	43	50.0	146.0	7451	243	7435	243	0.0	0.0	100.0
TX	PORT ARTHUR	4	40	1000.0	360.0	36493	793	32998	763	0.0	0.0	100.0
TX	RIO GRANDE CITY	40	20	50.0	113.0	10336	106	10328	106	0.0	0.0	100.0
TX	ROSENBERG	45	46	62.8	439.0	19437	3656	19380	3655	0.0	0.0	100.0
TX	SAN ANGELO	3	16	195.8	183.0	17443	120	16335	119	0.0	0.0	100.0
TX	SAN ANGELO	6	19	1000.0	277.0	31435	143	26407	127	0.0	0.0	99.9
TX	SAN ANGELO	8	11	18.0	442.0	33771	155	29800	148	0.0	0.0	99.8
TX	SAN ANTONIO	4	58	1000.0	451.0	40648	1682	37111	1591	0.0	0.0	99.4
TX	SAN ANTONIO	5	55	1000.0	424.0	38776	1607	36112	1588	0.0	0.0	99.4
TX	SAN ANTONIO	9	20	791.9	283.0	27088	1519	25660	1499	0.0	0.0	99.7
TX	SAN ANTONIO	12	48	946.7	451.0	36367	1598	34879	1571	0.7	0.5	100.0
TX	SAN ANTONIO	23	16	50.0	261.0	11230	1361	11306	1362	1.1	0.2	98.0
TX	SAN ANTONIO	29	30	221.9	443.0	23887	1505	23364	1497	0.1	0.0	100.0
TX	SAN ANTONIO	41	40	192.0	432.0	22698	1490	22090	1466	0.9	0.2	100.0
TX	SAN ANTONIO	60	39	122.6	456.0	19207	1464	18560	1454	0.0	0.0	99.8
TX	SHERMAN	12	20	377.1	543.0	39167	760	29746	384	0.0	0.0	100.0
TX	SNYDER	17	10	3.2	135.0	5643	21	5431	21	0.4	0.0	100.0
TX	SWEETWATER	12	20	536.8	427.0	33240	239	29841	233	2.0	0.6	99.6
TX	TEMPLE	6	50	1000.0	573.0	48326	1239	35310	971	0.0	0.0	99.9
TX	TEXARKANA	6	15	1000.0	482.0	43945	1020	32440	884	0.0	0.0	100.0
TX	TYLER	7	38	957.5	302.0	28356	703	23372	619	0.0	0.0	100.0
TX	VICTORIA	19	34	50.0	149.0	7797	117	7797	117	0.1	0.0	100.0
TX	VICTORIA	25	15	50.0	311.0	16145	165	16084	164	0.0	0.0	100.0
TX	WACO	10	53	700.7	552.0	38681	857	35434	811	0.0	0.0	99.5
TX	WACO	25	26	224.6	558.0	29074	718	26263	595	0.0	0.0	100.0
TX	WACO	34	20	50.0	155.0	4781	201	4721	201	0.1	0.0	100.0
TX	WACO	44	57	191.6	552.0	22757	630	22407	608	0.1	0.0	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
TX WESLACO	5	13	38.3	290.0	33029	672	31728	675	0.0	0.0	99.9
TX WICHITA FALLS	3	28	1000.0	305.0	33437	388	30557	369	0.0	0.0	100.0
TX WICHITA FALLS	6	22	1000.0	311.0	33838	391	28057	358	0.0	0.0	100.0
TX WICHITA FALLS	18	17	96.8	329.0	17983	320	17915	320	2.6	1.1	100.0
UT CEDAR CITY	4	14	350.0	836.0	36730	75	40743	86	0.0	0.0	89.0
UT OGDEN	9	35	296.9	893.0	21201	1373	21568	1375	0.2	0.0	97.8
UT OGDEN	30	29	57.7	1190.0	22654	1372	21299	1358	0.0	0.0	100.0
UT PROVO	11	39	385.6	896.0	24912	1381	24644	1359	0.0	0.0	97.8
UT PROVO	16	17	242.2	57.0	8154	329	7461	295	0.0	0.0	99.9
UT SALT LAKE CITY	2	34	691.4	933.0	33711	1402	44486	1484	0.0	0.0	75.3
UT SALT LAKE CITY	4	38	487.8	1180.0	35105	1401	44280	1479	0.0	0.0	77.5
UT SALT LAKE CITY	5	36	496.4	1152.0	35995	1408	47582	1468	0.0	0.0	75.6
UT SALT LAKE CITY	7	40	396.8	924.0	29597	1392	30768	1397	0.1	0.0	96.0
UT SALT LAKE CITY	13	28	182.5	1116.0	21951	1392	19545	1356	0.0	0.0	99.7
UT SALT LAKE CITY	14	27	80.6	1181.0	28371	1384	26587	1374	0.1	0.0	100.0
UT ST. GEORGE	12	9	3.2	42.0	1767	43	1631	41	0.0	0.0	100.0
VA ARLINGTON	14	15	86.3	173.0	14969	5813	15213	5853	5.2	1.0	97.7
VA ASHLAND	65	47	50.0	262.0	11373	925	10521	908	0.0	0.0	100.0
VA BRISTOL	5	28	1000.0	680.0	37697	1322	38654	1387	0.0	0.0	90.7
VA CHARLOTTESVILLE	29	32	224.1	363.0	21172	683	20732	649	2.9	6.6	95.9
VA CHARLOTTESVILLE	41	14	50.0	352.0	8718	249	7661	205	2.6	0.9	99.8
VA DANVILLE	24	41	50.0	107.0	5763	306	5650	296	5.7	3.0	99.9
VA FAIRFAX	56	57	50.0	215.0	11873	4371	11068	4071	3.9	2.0	98.9
VA FRONT ROYAL	42	21	50.0	398.0	8167	247	6366	225	2.7	1.8	100.0
VA GOLDVEIN	53	30	50.0	229.0	14171	3674	13042	2821	1.1	0.2	99.9
VA GRUNDY	68	49	50.0	763.0	14790	613	13665	575	0.0	0.0	99.9
VA HAMPTON	13	41	883.7	301.0	28338	1715	23147	1590	0.0	0.0	100.0
VA HAMPTON-NORFOLK	15	16	108.6	294.0	17265	1537	17265	1537	0.6	0.0	100.0
VA HARRISONBURG	3	49	91.1	646.0	16805	440	20824	532	1.6	0.4	76.1
VA LYNCHBURG	13	56	1000.0	625.0	33408	1050	26842	836	0.0	0.0	97.8
VA LYNCHBURG	21	20	178.3	500.0	18745	640	18422	627	1.8	6.4	96.0
VA MANASSAS	66	36	57.3	168.0	13247	4021	12814	4000	0.1	0.0	99.0
VA MARION	52	42	50.0	445.0	11994	327	9955	265	1.0	0.5	99.9
VA NORFOLK	3	58	1000.0	299.0	33670	1833	26137	1739	0.0	0.0	100.0
VA NORFOLK	33	38	217.0	277.0	14070	1498	14074	1498	0.0	0.0	100.0
VA NORFOLK	49	14	50.0	155.0	6111	1349	6111	1349	0.0	0.0	100.0
VA NORTON	47	32	50.0	591.0	18586	754	15788	625	1.2	0.6	100.0
VA PETERSBURG	8	22	498.4	320.0	27563	1243	24875	1178	0.0	0.0	99.7
VA PORTSMOUTH	10	31	697.8	302.0	28891	1778	26971	1652	14.2	3.5	100.0
VA PORTSMOUTH	27	19	57.9	296.0	18925	1566	18925	1566	0.5	0.1	100.0
VA RICHMOND	6	25	1000.0	256.0	31443	1478	26888	1361	18.6	16.0	99.8
VA RICHMOND	12	54	1000.0	241.0	26142	1261	20975	1103	0.0	0.0	99.7
VA RICHMOND	23	24	104.2	327.0	21925	1108	21864	1106	0.0	0.0	99.9
VA RICHMOND	35	26	64.9	384.0	22450	1079	22414	1089	7.5	3.5	98.2
VA RICHMOND	57	44	50.0	293.0	13908	945	13872	945	3.0	0.5	100.0
VA ROANOKE	7	18	579.1	610.0	37988	1240	33935	1131	0.0	0.0	99.7
VA ROANOKE	10	30	740.6	610.0	34687	1170	31376	1092	0.1	0.1	99.2
VA ROANOKE	15	3	1.0	634.0	26331	944	20746	828	1.2	1.0	99.3
VA ROANOKE	27	17	84.9	607.0	20368	858	18540	816	3.2	2.5	99.0
VA ROANOKE	38	36	50.0	616.0	14741	657	13826	640	2.7	1.7	99.7
VA STAUNTON	51	19	50.0	680.0	7217	261	6357	220	1.3	0.6	100.0
VA VIRGINIA BEACH	43	29	127.6	261.0	18835	1572	18847	1573	0.0	0.0	99.9
VT BURLINGTON	3	53	782.0	835.0	40670	564	39340	592	0.0	0.0	91.9
VT BURLINGTON	22	16	50.0	835.0	27565	486	24512	444	0.4	0.2	99.9
VT BURLINGTON	33	32	50.0	815.0	25027	449	23456	428	0.5	0.2	100.0
VT BURLINGTON	44	43	50.0	840.0	25330	456	23655	428	0.3	0.1	99.8
VT HARTFORD	31	25	69.5	677.0	16867	382	15770	351	2.5	1.9	97.9
VT RUTLAND	28	56	50.0	429.0	10824	251	10054	243	0.0	0.0	100.0
VT ST. JOHNSBURY	20	18	50.0	592.0	17391	180	13973	146	0.7	0.4	100.0
VT WINDSOR	41	24	50.0	684.0	19498	486	16023	370	2.0	3.0	99.9
WA BELLEVUE	33	32	50.0	286.0	4048	1948	3539	1889	7.9	9.6	99.9
WA BELLEVUE	51	50	50.0	739.0	21521	2961	21087	2949	0.1	0.4	100.0
WA BELLINGHAM	12	35	586.0	722.0	40596	1170	37786	581	0.0	0.0	99.7
WA BELLINGHAM	24	19	50.0	676.0	6330	207	5934	193	0.0	0.0	100.0
WA CENTRALIA	15	19	50.0	347.0	13745	418	11570	297	0.7	1.2	100.0
WA EVERETT	16	31	278.2	239.0	15450	2879	14315	2789	0.2	0.0	100.0
WA KENNEWICK	42	14	50.0	390.0	15008	253	14145	238	0.0	0.0	100.0
WA PASCO	19	20	50.0	366.0	15893	242	15293	225	0.0	0.0	100.0
WA PULLMAN	10	17	181.5	408.0	25646	250	23766	208	0.0	0.0	99.5
WA RICHLAND	25	26	50.0	411.0	17269	267	16632	248	0.0	0.0	100.0
WA RICHLAND	31	30	50.0	370.0	6994	162	6483	158	0.0	0.0	100.0
WA SEATTLE	4	38	1000.0	247.0	27081	3049	28573	3061	0.1	0.0	94.4
WA SEATTLE	5	48	1000.0	250.0	26922	3048	27359	3034	0.0	0.0	94.0
WA SEATTLE	7	39	1000.0	250.0	24081	3016	23832	3015	0.0	0.0	98.9
WA SEATTLE	9	41	1000.0	252.0	24059	3020	23225	2982	0.0	0.0	98.5
WA SEATTLE	22	25	236.5	271.0	20242	2971	18838	2933	0.1	0.1	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
WA SEATTLE	45	44	50.0	287.0	4031	1885	3537	1819	1.6	1.6	100.0
WA SPOKANE	2	57	1000.0	671.0	41350	529	46495	549	0.0	0.0	87.3
WA SPOKANE	4	54	1000.0	933.0	43188	522	49444	551	6.2	1.2	86.5
WA SPOKANE	6	55	1000.0	653.0	40615	522	45958	568	0.0	0.0	88.0
WA SPOKANE	7	39	905.2	558.0	34990	543	34472	518	0.0	0.0	98.6
WA SPOKANE	22	38	50.0	429.0	16577	434	15967	423	0.0	0.0	99.3
WA SPOKANE	28	29	89.4	601.0	26305	493	24953	477	0.0	2.3	100.0
WA TACOMA	11	36	739.7	363.0	28093	3051	25764	2978	0.0	0.0	99.5
WA TACOMA	13	18	577.0	610.0	35945	3188	31399	3038	0.0	0.0	99.9
WA TACOMA	20	14	129.6	491.0	21568	2980	20756	2893	0.6	0.4	99.9
WA TACOMA	28	26	50.0	232.0	11699	2424	11033	2456	1.3	5.7	99.1
WA TACOMA	56	42	145.9	570.0	26527	3059	25595	3046	0.1	0.4	99.8
WA VANCOUVER	49	48	103.1	527.0	17220	1772	16636	1743	0.0	0.0	99.9
WA WENATCHEE	27	56	50.0	424.0	10164	105	8623	101	0.0	0.0	100.0
WA YAKIMA	23	16	50.0	293.0	9850	196	8519	195	0.0	0.0	100.0
WA YAKIMA	29	52	50.0	296.0	9301	198	8787	198	0.5	0.0	100.0
WA YAKIMA	35	34	50.0	293.0	9778	198	8828	197	0.0	0.0	100.0
WA YAKIMA	47	21	50.0	280.0	9830	194	8390	193	0.0	0.0	100.0
WI APPLETON	32	59	50.0	336.0	17098	762	16889	750	0.0	0.0	100.0
WI CHIPPEWA FALLS	48	49	50.0	213.0	11904	239	11695	238	0.0	0.0	100.0
WI EAGLE RIVER	34	17	50.0	127.0	9289	63	10007	71	1.6	1.0	91.3
WI EAU CLAIRE	13	39	903.9	607.0	43625	773	37390	643	0.0	0.0	99.8
WI EAU CLAIRE	18	15	50.0	226.0	11474	231	11320	230	0.3	0.1	100.0
WI FOND DU LAC	68	44	117.5	506.0	26460	2038	26736	2424	0.1	1.6	96.8
WI GREEN BAY	2	23	1000.0	381.0	37940	1058	35162	1004	1.1	0.4	100.0
WI GREEN BAY	5	56	1000.0	341.0	35637	1038	33439	987	0.0	0.0	99.9
WI GREEN BAY	11	51	980.4	384.0	33165	1008	31547	956	3.7	2.7	100.0
WI GREEN BAY	26	41	273.2	356.0	23489	924	23171	915	3.1	1.5	100.0
WI GREEN BAY	38	42	50.0	360.0	17527	733	17366	728	0.0	0.0	100.0
WI JANESVILLE	57	32	75.9	342.0	16065	1066	16225	1067	1.2	0.6	97.1
WI KENOSHA	55	40	93.1	144.0	11244	2080	10924	2040	0.4	0.1	100.0
WI LA CROSSE	8	53	1000.0	469.0	36938	682	29076	525	0.5	0.4	100.0
WI LA CROSSE	19	14	50.0	347.0	16542	300	15641	286	6.8	3.7	100.0
WI LA CROSSE	25	17	50.0	306.0	12758	252	11808	228	0.3	0.1	100.0
WI LA CROSSE	31	30	50.0	347.0	17661	311	16864	297	2.7	1.8	100.0
WI MADISON	3	50	363.9	469.0	30811	1334	25451	1060	2.8	6.5	99.9
WI MADISON	15	19	50.0	352.0	18662	823	17836	771	0.5	0.4	99.8
WI MADISON	21	20	50.0	453.0	22106	899	21760	888	2.3	1.4	99.0
WI MADISON	27	26	218.5	455.0	26207	1074	26557	1071	3.0	4.4	97.5
WI MADISON	47	11	3.2	450.0	19725	836	19310	822	1.1	1.7	98.7
WI MANITOWOC	16	19	50.0	129.0	3415	81	3415	81	1.6	0.7	100.0
WI MAYVILLE	52	43	50.0	120.0	2183	87	2155	85	1.3	0.8	100.0
WI MENOMONIE	28	27	50.0	346.0	17842	387	16347	319	0.2	0.0	100.0
WI MILWAUKEE	4	28	1000.0	305.0	33667	2878	24264	2170	0.0	0.0	98.9
WI MILWAUKEE	6	33	1000.0	305.0	34049	2865	22286	2072	0.0	0.0	100.0
WI MILWAUKEE	10	8	9.5	343.0	27742	2523	24134	2110	0.1	0.0	99.3
WI MILWAUKEE	12	34	797.1	305.0	29144	2572	22473	2066	0.0	0.0	100.0
WI MILWAUKEE	18	61	497.5	307.0	20070	2243	19192	2150	0.1	0.0	100.0
WI MILWAUKEE	24	25	106.4	313.0	17217	2101	17048	2073	0.8	0.2	100.0
WI MILWAUKEE	30	22	50.0	293.0	13395	1850	13315	1848	1.1	1.3	100.0
WI MILWAUKEE	36	35	57.1	283.0	14618	1876	14630	1875	0.8	0.5	99.8
WI MILWAUKEE	58	46	133.7	339.0	22348	2230	20629	2155	0.6	1.1	99.9
WI PARK FALLS	36	47	50.0	445.0	19963	106	19134	97	1.7	1.5	100.0
WI RACINE	49	48	168.8	303.0	17217	2104	16657	2001	2.8	1.2	100.0
WI RHINELANDER	12	16	488.7	506.0	39168	340	29829	251	0.0	0.0	99.9
WI SUPERIOR	6	19	1000.0	308.0	32879	289	28518	256	0.0	0.0	99.9
WI SURING	14	21	50.0	201.0	13334	541	13330	541	0.2	0.3	100.0
WI WAUSAU	7	40	800.2	369.0	32065	492	27053	431	0.0	0.0	100.0
WI WAUSAU	9	29	641.1	369.0	32316	493	25727	433	0.0	0.0	100.0
WI WAUSAU	20	24	50.0	300.0	17856	354	17796	354	1.5	0.7	100.0
WV BLUEFIELD	6	46	1000.0	372.0	24533	681	24697	690	0.0	0.0	94.2
WV BLUEFIELD	40	14	50.0	387.0	15729	470	12478	337	0.1	0.0	100.0
WV CHARLESTON	8	55	476.8	372.0	26302	937	24529	889	0.0	0.0	99.7
WV CHARLESTON	11	19	68.3	525.0	23340	858	20571	784	2.1	1.4	100.0
WV CHARLESTON	29	39	50.0	212.0	11177	513	10375	426	0.5	0.3	100.0
WV CLARKSBURG	12	52	1000.0	262.0	23477	604	21524	531	0.1	0.0	99.9
WV CLARKSBURG	46	28	50.0	244.0	8533	286	7660	251	4.3	2.8	100.0
WV GRANDVIEW	9	53	1000.0	305.0	24276	628	22107	545	0.0	0.0	97.8
WV HUNTINGTON	3	23	425.5	388.0	30307	1074	27309	998	0.1	0.0	99.6
WV HUNTINGTON	13	54	412.4	387.0	26802	970	25168	948	6.5	4.7	99.8
WV HUNTINGTON	33	34	60.4	379.0	16913	746	16430	723	1.4	0.5	99.9
WV LEWISBURG	59	48	50.0	568.0	13330	307	12441	282	0.2	0.0	99.7
WV MARTINSBURG	60	12	3.2	312.0	11583	516	9860	476	0.1	0.0	100.0
WV MORGANTOWN	24	33	139.2	457.0	20753	1336	19799	1254	2.7	7.7	99.6
WV OAK HILL	4	50	1000.0	226.0	22640	575	22412	539	0.0	0.0	91.6
WV PARKERSBURG	15	49	50.0	189.0	9529	282	9195	271	7.0	7.8	100.0

TABLE I—DTV ALLOTMENTS, ASSIGNMENT PAIRINGS WITH ANALOG STATIONS—AND SERVICE REPLICATION AND INTERFERENCE EVALUATION—Continued

State and city	NTSC chan	DTV chan	DTV power (kW)	Antenna HAAT (m)	Digital television service during transition		Existing NTSC				DTV/NTSC area match (%)
					Area (sq km)	People (thous)	Current service		New interference		
							Area (sq km)	People (thous)	Area (% NL area)	People (% NL pop)	
WV WESTON	5	58	1000.0	268.0	27554	568	25866	516	0.0	0.0	96.5
WV WHEELING	7	56	1000.0	293.0	25738	2243	23161	2014	0.0	0.0	99.1
WY CASPER	2	17	1000.0	610.0	45108	80	45716	79	0.0	0.0	96.2
WY CASPER	14	15	52.4	573.0	25007	65	23799	65	0.2	0.0	100.0
WY CASPER	20	18	50.0	582.0	10266	63	9090	63	1.5	0.0	99.2
WY CHEYENNE	5	30	1000.0	189.0	22936	354	22768	359	0.0	0.0	94.2
WY CHEYENNE	27	28	165.6	232.0	13520	338	13110	329	0.3	0.1	100.0
WY CHEYENNE	33	11	3.2	148.0	4174	71	3913	71	4.2	0.1	100.0
WY JACKSON	2	14	50.0	304.0	4442	11	4626	11	1.2	0.0	95.8
WY LANDER	4	8	57.4	463.0	36727	34	37280	33	0.0	0.0	97.4
WY LANDER	5	7	30.3	82.0	18113	32	19486	32	0.0	0.0	92.9
WY RAWLINS	11	9	3.2	70.0	2330	10	2097	10	0.0	0.0	100.0
WY RIVERTON	10	16	262.7	526.0	26484	48	25118	47	0.0	0.0	99.7
WY ROCK SPRINGS	13	19	359.2	495.0	33342	45	30593	45	0.0	0.0	100.0
WY SHERIDAN	12	21	1000.0	372.0	28486	37	27424	37	0.0	0.0	99.8
PR AGUADA	50	62	50.1	343.0	19152	.....	13149	.....	9.8	.....	100.0
PR AGUADILLA	12	69	691.8	665.0	46001	.....	38301	.....	0.0	.....	100.0
PR AGUADILLA	32	34	50.1	296.0	15358	.....	4652	.....	65.4	.....	98.8
PR AGUADILLA	44	17	50.1	372.0	20587	.....	13040	.....	5.0	.....	100.0
PR ARECIBO	54	53	50.1	600.0	27756	.....	26609	.....	11.4	.....	99.3
PR ARECIBO	60	61	55.0	242.0	15529	.....	15203	.....	0.1	.....	100.0
PR BAYAMON	36	59	50.1	329.0	18547	.....	4283	.....	14.9	.....	100.0
PR CAGUAS	11	56	707.9	355.0	31007	.....	21824	.....	0.0	.....	100.0
PR CAGUAS	58	57	50.1	329.0	18628	.....	8316	.....	13.2	.....	100.0
PR CAROLINA	52	51	50.1	585.0	26949	.....	21606	.....	3.7	.....	99.5
PR FAJARDO	13	33	281.8	863.0	45149	.....	32793	.....	0.0	.....	100.0
PR FAJARDO	40	38	50.1	839.0	31505	.....	28981	.....	3.6	.....	98.9
PR GUAYAMA	46	45	50.1	642.0	28750	.....	27956	.....	5.5	.....	99.1
PR HUMACAO	68	49	50.1	594.0	27390	.....	13282	.....	3.6	.....	100.0
PR MAYAGUEZ	3	35	1000.0	691.0	49598	.....	40712	.....	0.0	.....	94.8
PR MAYAGUEZ	5	29	1000.0	610.0	45004	.....	44597	.....	0.0	.....	91.1
PR MAYAGUEZ	16	63	50.1	347.0	19374	.....	11527	.....	0.2	.....	100.0
PR MAYAGUEZ	22	23	50.1	620.0	28506	.....	27691	.....	0.0	.....	99.9
PR NARANJITO	64	65	50.1	142.0	11499	.....	10359	.....	6.4	.....	94.0
PR PONCE	7	66	407.4	826.0	46962	.....	46824	.....	0.0	.....	100.0
PR PONCE	9	43	380.2	857.0	44518	.....	45819	.....	0.0	.....	96.8
PR PONCE	14	67	50.1	861.0	33758	.....	30272	.....	0.8	.....	100.0
PR PONCE	20	19	50.1	259.0	15818	.....	7812	.....	17.5	.....	100.0
PR PONCE	26	25	50.1	302.0	17367	.....	12274	.....	9.6	.....	100.0
PR PONCE	48	47	50.1	247.0	15454	.....	7081	.....	5.9	.....	100.0
PR SAN JUAN	2	28	871.0	861.0	53035	.....	46686	.....	0.0	.....	100.0
PR SAN JUAN	4	27	851.1	873.0	53006	.....	41839	.....	0.0	.....	96.8
PR SAN JUAN	6	55	977.2	825.0	54314	.....	41882	.....	0.0	.....	99.9
PR SAN JUAN	18	32	50.1	848.0	33066	.....	22841	.....	0.4	.....	100.0
PR SAN JUAN	24	21	50.1	581.0	27602	.....	21905	.....	1.1	.....	100.0
PR SAN JUAN	30	31	75.9	287.0	17985	.....	17932	.....	3.8	.....	100.0
PR SAN SEBASTIAN	38	39	50.1	332.0	18642	.....	8720	.....	45.0	.....	100.0
PR YAUCO	42	41	50.1	852.0	33204	.....	31628	.....	0.8	.....	100.0
VI CHARLOTTE AMALI	10	50	776.2	558.0	41952	.....	39160	.....	0.0	.....	100.0
VI CHARLOTTE AMALI	12	44	50.1	451.0	22957	.....	15899	.....	0.0	.....	100.0
VI CHARLOTTE AMALI	17	48	50.1	429.0	22404	.....	10386	.....	0.1	.....	100.0
VI CHRISTIANSTED	8	20	501.2	292.0	25457	.....	24907	.....	0.0	.....	100.0
VI CHRISTIANSTED	27	5	1.0	121.0	14403	.....	3162	.....	94.1	.....	100.0

Procedural Matters

11. *Paperwork Reduction Act of 1995 Analysis.* The decision herein has been analyzed with respect to the Paperwork Reduction Act of 1995, Public Law 104-13, and found to propose or impose no modified information collection requirements on the public.

12. *Final Regulatory Flexibility Analysis.* As required by the Regulatory Flexibility Act (RFA), an Initial Regulatory Flexibility Analysis (IRFA) was incorporated in the *Sixth Further Notice of Proposed Rule Making (Sixth Further NPRM)* in this proceeding. The

Commission sought public comment on the proposals in the *Sixth Further NPRM*, including comment on the IRFA. This present Final Regulatory Flexibility Analysis (FRFA) conforms to the RFA, as amended.

A. Need for and Objectives of This Sixth Report and Order

In this rule making action, the Commission adopts policies, procedures and technical criteria for use in conjunction with broadcast digital television (DTV), adopts a DTV Table of Allotments, adopts a plan for the

recovery of a portion of the spectrum currently allocated to TV broadcasting, and provides procedures for assigning DTV frequencies. We seek to allot DTV channels in a manner that is most efficient for broadcasters and the public and least disruptive to broadcast television service during the period of transition from NTSC to DTV service. The overarching goals in this phase of the DTV proceeding are to ensure that the spectrum is used efficiently and effectively through reliance on market forces and to ensure that the

introduction of digital TV fully serves the public interest.

B. Summary of Significant Issues Raised by Public Comments in Response to the IRFA

Three comments were received specifically in response to the IRFA contained in the *Sixth Further NPRM*. First, Apogee Broadcasting Corporation (Apogee), which is the owner, operator, and licensee of an LPTV station, states that its station will be forced from the air under the proposed Table of Allotments. Apogee also estimates that over half of the current LPTV stations will be threatened under the proposed Table of Allotments. Apogee argues that such a result will lead to less diversity in programming on LPTV. Apogee endorses the series of technical proposals put forth by the Community Broadcasters Association (CBA), and suggests that the Table of Allotments be redrafted with an eye toward protecting LPTV stations wherever possible, with full power stations being required to negotiate engineering solutions with LPTV stations. Apogee argues that unused spectrum due to DTV implementation should be offered for use first to displaced LPTV stations, and that DTV licensees that displace LPTV stations should pay for the costs associated with frequency changes, pay for the costs of lost business opportunities, and, if necessary, provide spectrum from their DTV allotment for LPTV replacement channels. Apogee supports the proposal that LPTV stations be permitted to seek "primary" channel status ahead of any new entrants. Finally, Apogee argues that the Table of Allotments, as proposed, will lead to costly and time-consuming litigation.

Second, Fireweed Communications Corporation (Fireweed), licensee of a full power station in Anchorage, Alaska, notes that, in the *Sixth Further NPRM* IRFA, we requested comment on "whether the Commission should adopt measures that will assist small stations . . . in their transition, either in their cost to upgrade technical operations or new channel identification." In this regard, Fireweed notes that the IRFA also cited the expected cost of equipment to operate on the new DTV channels as varying "from \$750,000 upwards to \$10 million." Fireweed argues that conversion costs to DTV can be kept lower by providing for continued operation on all VHF channels. Fireweed states that its station, and other small-market stations, already possess the most expensive part of a DTV transmission plant—an existing transmitter and antenna. On

behalf of its station, Fireweed proposes that it be permitted to retain its current VHF channel for DTV while initiating a temporary UHF channel for NTSC, later to drop the temporary UHF channel. Fireweed estimates that this approach would accomplish the conversion to DTV for under \$80,000.

Finally, MARRI Broadcasting, Inc. (MARRI), argues generally that we should ensure certainty in the time frame for the implementation of DTV, and that we should tolerate no delays by those unable to meet the time frames for providing service.

We have taken the commenters' views and arguments into account in the *Sixth Report and Order*. As there described, we determined, first, that the primary allotment objective should be to develop a DTV Table of Allotments that provides a channel for all eligible broadcasters, consistent with the provisions of the 1996 Telecommunications Act regarding initial eligibility for DTV licenses. The Commission also noted that low power television and TV translator operations have always been authorized on a secondary basis. For these reasons, we rejected an approach that would have resulted in providing allotments for fewer than all full service licensees in order to avoid the displacement of some LPTV stations. We did, however, take into account the views of the commenters and others in recognizing the public benefits from LPTV stations and in adopting measures to mitigate the impact of DTV implementation on such stations. The mitigating measures adopted by the Commission, including those in response to the views of the commenters, are described *infra* in Section E of this FRFA ("Steps Taken to Minimize Burdens on Small Entities, and Significant Alternatives Considered and Rejected"). We note that, as a result of these actions, the great majority of LPTV operations should be able to continue to operate.

We have limited compensation issues to those of low power services affected by new service providers on channels 60–69, and will address such issues in a forthcoming Notice of Proposed Rule Making on reallocation of those channels. Concerning Fireweed's request for relief specific to its own full power station, we note that such specific request must be handled outside of this rule making, and Fireweed has submitted a separate request for such consideration. And finally, consistent with MARRI's concern, we have stated our intention, through use of the DTV Table of Allotments and other policies described in the *Sixth Report and Order*, to

promote an orderly and efficient transition to DTV.

C. Description and Estimate of the Number of Small Entities to Which the Rules Will Apply

1. Definition of a "Small Business".

Under the RFA, small entities may include small organizations, small businesses, and small governmental jurisdictions. 5 U.S.C. 601(6). The RFA, 5 U.S.C. 601(3), generally defines the term "small business" as having the same meaning as the term "small business concern" under the Small Business Act, 15 U.S.C. 632. A small business concern is one which: (1) Is independently owned and operated; (2) is not dominant in its field of operation; and (3) satisfies any additional criteria established by the Small Business Administration ("SBA"). According to the SBA's regulations, entities engaged in television broadcasting Standard Industrial Classification ("SIC") Code 4833—Television Broadcasting Stations, may have a maximum of \$10.5 million in annual receipts in order to qualify as a small business concern. This standard also applies in determining whether an entity is a small business for purposes of the RFA.

Pursuant to 5 U.S.C. 601(3), the statutory definition of a small business applies "unless an agency after consultation with the Office of Advocacy of the SBA and after opportunity for public comment, establishes one or more definitions of such term which are appropriate to the activities of the agency and publishes such definition(s) in the **Federal Register**." While we tentatively believe that the foregoing definition of "small business" greatly overstates the number of television broadcast stations that are small businesses and is not suitable for purposes of determining the impact of the new rules on small television stations, we did not propose an alternative definition in the IRFA. Accordingly, for purposes of this *Sixth Report and Order*, we utilize the SBA's definition in determining the number of small businesses to which the rules apply, but we reserve the right to adopt a more suitable definition of "small business" as applied to television broadcast stations and to consider further the issue of the number of small entities that are television broadcasters in the future. Further, in this FRFA, we will identify the different classes of small television stations that may be impacted by the rules and policies adopted in this *Sixth Report and Order*.

2. Issues in Applying the Definition of a "Small Business".

As discussed below, we could not precisely apply the

foregoing definition of "small business" in developing our estimates of the number of small entities to which the rules will apply. Our estimates reflect our best judgments based on the data available to us.

An element of the definition of "small business" is that the entity not be dominant in its field of operation. We were unable at this time to define or quantify the criteria that would establish whether a specific television station is dominant in its field of operation. Accordingly, the following estimates of small businesses to which the new rules will apply do not exclude any television station from the definition of a small business on this basis and are therefore overinclusive to that extent. An additional element of the definition of "small business" is that the entity must be independently owned and operated. As discussed further below, we could not fully apply this criterion, and our estimates of small businesses to which the rules may apply may be overinclusive to this extent. The SBA's general size standards are developed taking into account these two statutory criteria. This does not preclude us from taking these factors into account in making our estimates of the numbers of small entities.

With respect to applying the revenue cap, the SBA has defined "annual receipts" specifically in 13 CFR 121.104, and its calculations include an averaging process. We do not currently require submission of financial data from licensees that we could use in applying the SBA's definition of a small business. Thus, for purposes of estimating the number of small entities to which the rules apply, we are limited to considering the revenue data that are publicly available, and the revenue data on which we rely may not correspond completely with the SBA definition of annual receipts.

Under SBA criteria for determining annual receipts, if a concern has acquired an affiliate or been acquired as an affiliate during the applicable averaging period for determining annual receipts, the annual receipts in determining size status include the receipts of both firms. 13 CFR 121.104(d)(1). The SBA defines affiliation in 13 CFR 121.103. In this context, the SBA's definition of affiliate is analogous to our attribution rules. Generally, under the SBA's definition, concerns are affiliates of each other when one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both. 13 CFR 121.103(a)(1). The SBA considers factors such as ownership, management,

previous relationships with or ties to another concern, and contractual relationships in determining whether affiliation exists. 13 CFR 121.103(a)(2). Instead of making an independent determination of whether television stations were affiliated based on SBA's definitions, we relied on the data bases available to us to provide us with that information.

3. Television Station Estimates Based on Census Data. The *Sixth Report and Order* will affect full service television stations, TV translator facilities, and LPTV stations. The Small Business Administration defines a television broadcasting station that has no more than \$10.5 million in annual receipts as a small business. Television broadcasting stations consist of establishments primarily engaged in broadcasting visual programs by television to the public, except cable and other pay television services. Included in this industry are commercial, religious, educational, and other television stations. Also included are establishments primarily engaged in television broadcasting and which produce taped television program materials. Separate establishments primarily engaged in producing taped television program materials are classified under another SIC number.

There were 1,509 television stations operating in the nation in 1992. That number has remained fairly constant as indicated by the approximately 1,551 operating television broadcasting stations in the nation as of February 28, 1997. For 1992 the number of television stations that produced less than \$10.0 million in revenue was 1,155 establishments, or approximately 77 percent of the 1,509 establishments. Thus, the rules will affect approximately 1,551 television stations; approximately 1,194 of those stations are considered small businesses. These estimates may overstate the number of small entities since the revenue figures on which they are based do not include or aggregate revenues from non-television affiliated companies. We recognize that the rules may also impact minority and women owned stations, some of which may be small entities. In 1995, minorities owned and controlled 37 (3.0%) of 1,221 commercial television stations in the United States. According to the U.S. Bureau of the Census, in 1987 women owned and controlled 27 (1.9%) of 1,342 commercial and non-commercial television stations in the United States.

It should also be noted that the foregoing estimates do not distinguish between network-affiliated stations and independent stations. As of April, 1996,

the BIA Publications, Inc. Master Access Television Analyzer Database indicates that about 73 percent of all commercial television stations were affiliated with the ABC, CBS, NBC, Fox, UPN, or WB networks. Moreover, seven percent of those affiliates have secondary affiliations.

There are currently 4,977 TV translator stations and 1,952 LPTV stations which would be affected by the allotment policy and other policies in this proceeding. The Commission does not collect financial information of any broadcast facility and the Department of Commerce does not collect financial information on these broadcast facilities. We will assume for present purposes, however, that most of these broadcast facilities, including LPTV stations, could be classified as small businesses. As indicated earlier, approximately 77 percent of television stations are designated under this analysis as potentially small business. Given this, LPTV and TV translator stations would not likely have revenues that exceed the SBA maximum to be designated as small businesses.

4. Alternative Classification of Small Television Stations. An alternative way to classify small television stations is by the number of employees. The Commission currently applies a standard based on the number of employees in administering its Equal Employment Opportunity ("EEO") rule for broadcasting. Thus, radio or television stations with fewer than five full-time employees are exempted from certain EEO reporting and recordkeeping requirements. We estimate that the total number of commercial television stations with 4 or fewer employees is 132 and that the total number of noncommercial educational television stations with 4 or fewer employees is 136.

5. Other Industry Groups. While we do not believe that the following groups of equipment manufacturers constitute regulated entities for the purpose of this FRFA, we note that these entities were interested in certain technical issues in this proceeding and, accordingly, submitted comments for the record. Because the rule changes and textual discussions in the *Sixth Report and Order* may ultimately have some effect on equipment compliance, we include these entities for the purpose of this FRFA.

Television Equipment Manufacturers: The Commission has not developed a definition of small entities applicable to manufacturers of television equipment. Therefore, we will utilize the SBA definition of manufacturers of Radio and Television Broadcasting and

Communications Equipment. According to the SBA's regulations, a TV equipment manufacturer must have 750 or fewer employees in order to qualify as a small business concern. Census Bureau data indicates that there are 858 U.S. firms that manufacture radio and television broadcasting and communications equipment, and that 778 of these firms have fewer than 750 employees and would be classified as small entities. The Census Bureau category is very broad, and specific figures are not available as to how many of these firms are exclusive manufacturers of television equipment or how many are independently owned and operated. We conclude that there are approximately 778 small manufacturers of radio and television equipment.

Household/Consumer Television Equipment: The Commission has not developed a definition of small entities applicable to manufacturers of television equipment used by consumers, as compared to industrial use by television licensees and related businesses. Therefore, we will utilize the SBA definition applicable to manufacturers of Household Audio and Visual Equipment. According to the SBA's regulations, a household audio and visual equipment manufacturer must have 750 or fewer employees in order to qualify as a small business concern. Census Bureau data indicates that there are 410 U.S. firms that manufacture radio and television broadcasting and communications equipment, and that 386 of these firms have fewer than 500 employees and would be classified as small entities. The remaining 24 firms have 500 or more employees; however, we are unable to determine how many of those have fewer than 750 employees and therefore, also qualify as small entities under the SBA definition. Furthermore, the Census Bureau category is very broad, and specific figures are not available as to how many of these firms are exclusive manufacturers of television equipment for consumers or how many are independently owned and operated. We conclude that there are approximately 386 small manufacturers of television equipment for consumer/household use.

Computer Manufacturers: The Commission has not developed a definition of small entities applicable to computer manufacturers. Therefore, we will utilize the SBA definition. According to SBA regulations, a computer manufacturer must have 1,000 or fewer employees in order to qualify as a small entity. Census Bureau data indicates that there are 716 firms that

manufacture electronic computers and of those, 659 have fewer than 500 employees and qualify as small entities. The remaining 57 firms have 500 or more employees; however, we are unable to determine how many of those have fewer than 1,000 employees and therefore also qualify as small entities under the SBA definition. We conclude that there are approximately 659 small computer manufacturers.

D. Description of Projected Reporting, Recordkeeping and Other Compliance Requirements

The rules adopted will result in no changes to reporting, recordkeeping, or other compliance requirements beyond that already required under current regulation.

E. Steps Taken To Minimize Burdens on Small Entities, and Significant Alternatives Considered and Rejected

The DTV Table of Allotments will affect all of the commercial and noncommercial broadcast television stations eligible for a DTV channel in the transition period and a significant number of the LPTV and TV translator stations. It is expected that the allotments will constitute the population of channels on which broadcasters will operate DTV service in the future. Affected stations will need to modify or obtain new transmission facilities and, to a varying extent, production equipment to operate on the new DTV channels. The actual cost of equipment is expected to vary in accordance with the degree to which the station becomes involved in DTV programming and origination.

As noted *supra* in Section B of this FRFA ("Summary of Significant Issues Raised by Public Comments In Response to the IRFA"), we have determined that the primary allotment objective should be to develop an Allotments Table that provides a channel for all eligible broadcasters, consistent with the provisions of the 1996 Telecommunications Act regarding initial eligibility for DTV licenses. As a result, some LPTV and TV translator licensees currently on the subject DTV spectrum will be displaced. One alternative to this approach would have been to permit existing LPTV and TV translator stations to remain on their incumbent channels; this approach was not chosen because it would have resulted in providing allotments for fewer than all full service licensees. In making this determination, the Commission noted that LPTV and TV translator operations have always been authorized on a secondary basis. To mitigate the effect of this determination

on those LPTV stations likely to be displaced, we adopted the following policies.

First, we will permit LPTV and TV translator stations that are displaced by DTV stations to apply for a suitable replacement channel in the same area without being subject to competing applications. In this regard, we also are amending our rules to indicate that such applications will be considered on a first-come, first-served basis without waiting for the Commission to issue a low power application window. Also, we will permit displaced stations to request an increase in power or other facility modifications necessary to avoid an interference conflict or to continue serving the previous coverage area.

Second, we have adopted a number of changes to our technical rules, including many changes requested by the LPTV and TV translator industries, that will provide additional flexibility to accommodate low power operations during and after the transition to DTV. These changes include permitting closer spacing of channels, new criteria for accepting low power station applications for adjacent channel operations within a DTV station's noise-limited service area, and the possibility of waivers for low power stations where interference to the DTV station will not occur or where the DTV station has consented.

Finally, we will permit unused DTV spectrum to be used by both new and displaced LPTV and TV translator stations, and will permit existing LPTV and TV translator stations to continue to operate, as secondary operations, until a displacing DTV station or a new primary service provider is operational and is not receiving interference from the LPTV or TV translator station.

In the *Sixth Report and Order* we have also adopted, as proposed, a "service replication/maximization" approach to identify digital TV allotments that, to the extent possible, will allow all existing broadcasters to provide DTV service to a geographic area that is comparable to their existing NTSC service area. Some entities, primarily those representing primarily the interests of existing UHF stations, disagreed with this approach, arguing that it would perpetuate the existing competitive disparities between UHF and VHF stations. We determined to adopt the approach, however, to ensure that broadcasters have the ability to reach the audiences that they now serve and that viewers have access to the stations that they can now receive over-the-air. Partly as a result of comments received, we adopted a minimum power level in the Table of Allotments, for

DTV facilities on UHF frequencies, of 50 kW, along with a maximum of 1000 kW. This "minimum power" approach, with a maximum of 1000 kW, should accommodate UHF providers, many of whom are small entities, while posing less potential for interference with full power stations.

We have also adopted a spectrum "core approach" in our Table of Allotments. One of our principal concerns in this proceeding has been to provide the new digital TV stations with the spectrum that is the most appropriate and technically suitable for their operation. Also, we believe it is important to recover efficiently those channels temporarily assigned for the transition to DTV. As described in the *Sixth Report and Order*, in the *Sixth Further NPRM* we proposed that channels 7–51 be used for DTV service, that channels 60–69 be recovered almost immediately (to be re-used for public safety purposes), and that, in the longer term, channels 2–6 and 52–59 also be recovered. In response, some commenters argued that, to lessen the impact on LPTV and TV translator stations, the core spectrum should be modified to include channels 2–6, and that no spectrum should be recovered prior to the end of the transition to DTV service. Some commenters also argued that the proposed approaches would impact adversely the interference and service replication goals in the implementation of DTV by full service broadcasters.

We have determined that, given the divergence of comment regarding the suitability of channels 2–6 for DTV, the best approach at this time is to develop the DTV Table of Allotments based on the use of channels 2–51. If the lower VHF channels 2–6 prove acceptable for DTV use, we will consider retaining these channels for DTV and adjusting the core spectrum to encompass channels 2–46 rather than channels 7–51. We also believe that the early recovery of channels 60–69 will not have a significant impact on the flexibility needed for the implementation of DTV, and we will retain this approach. In response to the concerns of commenters, we have noted that the ATSC digital system has been rigorously tested and studied, that significant industry efforts have gone into developing the technical planning criteria to be used in the implementation of DTV, and that the Table of Allotments as adopted is fully consistent with these technical decisions. We also believe that any problems in implementation will be better addressed through technical solutions other than a reliance on

channels 60–69. For example, some technical solutions to unexpected interference could include using directional antennas or cross-polarization of DTV and NTSC signals, or limiting power or antenna height during the transition. We also have found the impact of our core and spectrum recovery approaches on interference and service replication to be insubstantial. Finally, we have noted that the public safety community and other land mobile interests support the core approach and argue that spectrum recovery is needed to meet important communications needs, and that the record clearly demonstrates this need for spectrum.

Finally, another issue addressed in the *Sixth Report and Order* that may affect small entities concerns the disposition of digital channels that remain unused for DTV following the transition period. Some commenters argue that our policy toward these channels should include fostering the broadcast policy goals of increased diversity and new entry, particularly by minorities and women, and one commenter argues that we should not permit existing broadcasters to have the exclusive right to use any such vacant channels. As a result, while we have determined that new entrants may seek and apply for these DTV allotments, we have also determined to permit the unused DTV spectrum to be used by both new and displaced LPTV and TV translator stations, and by non-eligible broadcasters. In addition, we will allow non-eligible broadcasters to convert their existing NTSC operations to DTV service at any time during the transition, provided those operations are within the core spectrum area. Last, we have encouraged incumbent broadcasters to seek partnerships with new entrants in developing new stations in areas where additional unused spectrum may be available, and we will consider waivers of our multiple ownership rules to allow such ventures.

Report to Congress: The Commission shall include a copy of this Final Regulatory Flexibility Analysis, along with this *Sixth Report and Order*, in a report to be sent to Congress pursuant to the Small Business Regulatory Enforcement Fairness Act of 1996, 5 U.S.C. 801(a)(1)(A). A copy of this FRFA (or summary thereof) will also be published in the **Federal Register**.

Ordering Clauses

13. *Ordering Clauses.* In accordance with the actions described herein, *it is ordered that* Part 73 of the Commission's rules *are amended* as set forth below. *It is further ordered that*

eligible broadcasters are offered the opportunity to apply for digital TV allotments paired with their existing NTSC channels in accordance with the allotment plan and associated technical specifications set forth in Table I above, and the procedures set forth in our *Fifth Report and Order* in this proceeding, FCC 97–116, adopted April 3, 1997. This action is taken pursuant to authority contained in sections 4(i), 7, 301, 302, 303, 307 and 336 of the Communications Act of 1934, as amended, 47 U.S.C. sections 154(i), 157, 301, 302, 303, 307 and 336.

14. *It is further ordered that*, pursuant to the Contract with America Advancement Act of 1996, Public Law No. 104–121, the rule amendments set forth below shall be effective June 13, 1997.

List of Subjects 47 CFR Parts 2, 73 and 74

Television.

Federal Communications Commission.

William F. Caton,
Acting Secretary.

Rule Changes

Parts 2, 73 and 74 of title 47 of the Code of Federal Regulations are amended to read as follows:

PART 2—FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS

1. The authority citation for part 2 is revised to read as follows:

Authority: 47 U.S.C. 154, 302, 303, 307 and 336, unless otherwise noted.

2. Section 2.106 is amended by revising non-government footnote 66 to read as follows:

§2.106 Table of Frequency Allocations.

* * * * *

Non-Government (NG) Footnotes

* * * * *

NG66 The frequency band 470–512 MHz is allocated for use in the broadcasting and land mobile radio services. In the land mobile services, it is available for assignment in the domestic public, public safety, industrial, and land transportation radio services at, or in the vicinity of 11 urbanized areas of the United States, as set forth in the following table. Additionally, in the land mobile services, TV channel 16 is available for assignment in the public safety radio services at, or in the vicinity of, Los Angeles. Such use in the land mobile services is subject to the conditions set forth in parts 22 and 90 of this chapter.

Urbanized area	TV channel	Community	Channel No.	Community	Channel No.
New York, NY-Northeastern New Jersey.	14, 15.	Alabama:		Blythe	*4
Los Angeles, CA	14, 20.	Anniston	58	Calipatria	50
Chicago, IL-Northwestern Indiana ...	14, 15.	Bessemer	18c	Ceres	*15
Philadelphia, PA-New Jersey	19, 20.	Birmingham	30, 36, 50, 52, *53	Chico	36, 43, *51
San Francisco-Oakland, CA	16, 17.	Demopolis	*19	Clovis	44c
Boston, MA	14, 16.	Dothan	21, 36	Coalinga	*22
Washington, D.C.-Maryland-Virginia	17, 18.	Dozier	*59	Concord	63c
Pittsburgh, PA	14, 18.	Florence	14c, 20, *22	Corona	39c
Miami, FL	14.	Gadsden	26, 45c	Cotati	*23c
Houston, TX	17.	Homewood	28	El Centro	22, 48
Dallas, TX	16.	Huntsville	*24c, 32c, 41, 49c, 59	Eureka	*11, 16, 17, 28c
* * * * *		Louisville	*42c	Fort Bragg.	15
		Mobile	9c, *18, 20c, 26, 27	Fresno	7, 9, 14, 16, *40
		Montgomery	*14, 16, 46c, 51, 57	Hanford	20c
		Mount Cheaha	*56	Huntington Beach	*48
		Opelika	31	Los Angeles	8c, 35c, 36, *41c, 42, 43, *59c, 60, 65c, 66, 68
		Ozark	33c	Merced	38
		Selma	55	Modesto	18c
		Troy	48	Monterey	31, 32
		Tuscaloosa	34c	Novato	47
		Tuskegee	24	Oakland	56
		Alaska:		Ontario	47c
		Anchorage	18, 20, 22, *24, *26, 28, 30, 32	Oxnard	24
		Bethel	*3	Palm Springs	46, 52
		Dillingham	*9	Paradise	20
		Fairbanks	18, 22, *24, 26, 28	Porterville	48c
		Juneau	*6, 11	Rancho Palos Verdes	51c
		Ketchikan	*8, 13	Redding	14, *18
		North Pole	20	Riverside	69
		Sitka	2	Sacramento	21, 35, 48, *53, 55, 61
		Arizona:		Salinas	13, 43
		Flagstaff	18, 22, 27, 28	San Bernardino	*26, 38, 61c
		Green Valley	47c	San Diego	18, 19, 25, *30, 40c, 55
		Kingman	19, *46	San Francisco	19c, 24, 27c, 28, 29, *33c, *34, 39c, 45c, 57
		Lake Havasu City	35c	San Jose	12c, 41c, 49c, *50, 52
		McNary	*42	San Luis Obispo	15, 34c
		Mesa	36	San Mateo	*59c
		Nogales	25	Sanger	36
		Phoenix	14c, 17, 20c, 23, 24, 26, *29, 34c, 49	Santa Ana	53c
		Prescott	25	Santa Barbara	*26, 27
		Sierra Vista	44	Santa Maria	19
		Tolleson	52c	Santa Rosa	54
		Tucson	19c, *28c, *30, 31, 32, 35, 41c	Stockton	25, 46, 62
		Yuma	16, 41	Twentynine Palms	23
		Arkansas:		Vallejo	30
		Arkadelphia.	*46	Ventura	49
		El Dorado	27	Visalia	28, *50c
		Fayetteville.	15, *45	Watsonville	*58
		Fort Smith	17, 18, 21	Colorado:	
		Hot Springs	14	Alamosa	*46
		Jonesboro	*20c, 49c, 58	Boulder	15c
		Little Rock	12c, 22, 32, 33, 43c, *47	Broomfield	*36
		Mountain View	*35	Castle Rock	47
		Newark	*26	Colorado Springs	10c, 22c, 24
		Pine Bluff	24c, 39c	Craig	*48
		Rogers	50c	Denver	16, 17, *18, 19c, 32c, 34, 35, *40c, 44, 51c
		Springdale.	39	Durango	17
		California:		Fort Collins	21c
		Anaheim	32		
		Arcata	22c		
		Bakersfield.	10, 25, 33, 55		
		Barstow	*27, 44		

PART 73—RADIO BROADCAST SERVICES

3. The authority citation for part 73 is revised to read as follows:

Authority: 47 U.S.C. 154, 303, 334 and 336.

4. A new § 73.622 is added to read as follows:

§ 73.622 Digital television table of allotments.

(a) *General.* The following table of allotments contains the digital television (DTV) channel allotments designated for the listed communities in the United States, its Territories, and possessions. The initial DTV Table of Allotments was established on April 3, 1997, to provide a second channel for DTV service for all eligible analog television broadcasters. Requests for addition of new DTV allotments, or requests to change the channels allotted to a community must be made in a petition for rule making to amend the DTV Table of Allotments. A request to amend the DTV table to change the channel of an allotment in the DTV table will be evaluated for technical acceptability using engineering criteria set forth in § 73.623(c). A request to amend the DTV table to add a new allotment will be evaluated for technical acceptability using the geographic spacing criteria set forth in § 73.623(d). DTV allotments designated with an asterisk are assigned for use by non-commercial educational broadcast stations only. Stations operating on DTV allotments designated with a "c" are required to comply with paragraph (g) of this section.

(1) Petitions requesting the addition of a new allotment must specify a channel in the range of channels 2–51.

(2) Petitions requesting a change in the channel of an initial allotment must specify a channel in the range of channels 2–59.

(b) *DTV Table of Allotments.*

Community	Channel No.	Community	Channel No.	Community	Channel No.
Glenwood Springs	23, *39	Tice	33	East St. Louis	47c
Grand Junction	2, 7c, 14, 15, *16	Venice	25	Freeport	41
La Junta	*30	West Palm Beach	13c, *27, 28c, 55	Harrisburg	34
Lamar	*50	Georgia:		Jacksonville	*15c
Leadville	*49	Albany	17, 30c	Joliet	53
Longmont	26c	Athens	*22, 48	Lasalle	10
Montrose	13	Atlanta	10c, 19, 20, *21, 25, 27, *38, 39, 43	Macomb	*21c
Pueblo	27, *29	Augusta	30, 31, 42, 51	Marion	17
Steamboat Springs	10	Bainbridge	50c	Moline	*23c, 38
Sterling	23	Baxley	35c	Mount Vernon	21
Trinidad	*43	Brunswick	24	Olney	*19
Connecticut:		Chatsworth	*33	Peoria	30c, 39, 40, *46c, 57
Bridgeport	42c, *52	Cochran	*7	Quincy	32, *34, 54
Hartford	5, 11, *32, 46	Columbus	15, *23, 35, 47, 49	Rock Island	58
New Britain	35	Cordele	51	Rockford	16c, 42, 54
New Haven	6, 10, *39	Dalton	16	Springfield	42, 44, 53
New London	34	Dawson	*26c	Urbana	26c, *33
Norwich	*45	Macon	16, 40c, 45, 50	Indiana:	
Waterbury	12	Monroe	44	Angola	12
Delaware:		Pelham	*20	Bloomington	*14, 27, 53, 56
Seaford	*44	Perry	32	Elkhart	58
Wilmington	31, *55	Rome	51	Evansville	28, 45c, *54, 58, 59
District of Columbia:		Savannah	15, 23c, 39, *46	Fort Wayne	4, 19, 24, 36, *40c
Washington	6c, *27c, *33c, 34, 35, 39, 48, 51c	Thomasville	52	Gary	*17, 51c
Florida:		Toccoa	24	Hammond	36
Boca Raton	*44c	Valdosta	43c	Indianapolis	9c, 16, *21c, 25, *44, 45, 46
Bradenton	*5, 42	Waycross	*18	Kokomo	54
Cape Coral	35c	Wrens	*36	Lafayette	11
Clearwater	21c	Hawaii:		Marion	32
Clermont	17c	Hilo	8, 18, *19, 21, 22, 23, *31, *39	Muncie	52
Cocoa	*30, 51c	Honolulu	8, *18, 19, 22, 23, 27, 31, 33, 35, *39, 40, *43	Richmond	30
Daytona Beach	11, 49	Kailua Kona	25	Salem	57c
Fort Lauderdale	52c	Kaneohe	41	South Bend	30, *35c, 42, 48
Fort Myers	15, *31c, 53	Lihue	*7, *12, *28, *45	Terre Haute	24, 36, 39c
Fort Pierce	*38, 50	Wailuku	16, 20, 24, *28, 29, *30, *34, 36	Vincennes	*52
Fort Walton Beach	25, 40, 49	Idaho:		Iowa:	
Gainesville	16, *36	Boise	*21, 25, 26	Ames	59
High Springs	28	Burley	*48	Burlington	41
Hollywood	47	Caldwell	10c	Cedar Rapids	27c, 47c, 51, 52
Jacksonville	13c, 19, 32, 34, *38, 42, *44	Coeur D'alene	*56	Centerville	*44
Key West	3, 12	Filer	*18c	Council Bluffs	*33c
Lake Worth	36	Grangeville	*44	Davenport	*34, 49, 56
Lakeland	19	Idaho Falls	9c, 36	Des Moines	16c, 19, 26, 31, *50
Leesburg	40, *46c	Lewiston	32	Dubuque	43
Live Oak	48	Moscow	*33	Fort Dodge	*25
Marathon	*34	Nampa	22, 27	Iowa City	25, *45
Melbourne	20, 48	Pocatello	*17, 23	Mason City	*18, 42
Miami	8c, 9c, *18c, *19, 20, 21, 22c, 24c, 30, 32c, 46c	Twin Falls	16, *24, 34c	Ottumwa	14c
Naples	43, 45c	Weiser	*34	Red Oak	*35c
New Smyrna Beach	*33	Illinois:		Sioux City	*28c, 30, 39, 41, 49
Ocala	31	Aurora	59c	Waterloo	*35, 55
Orange Park	10	Bloomington	28	Kansas:	
Orlando	14, 22, *23c, 39, 41, 58	Carbondale	*40	Colby	15
Palm Beach	49	Champaign	41, 48	Ensign	5c
Panama City	19, 29c, *38, 41	Charleston	*50c	Fort Scott	40
Panama City Beach	47c	Chicago	3c, 19c, *21c, 27c, 29, 31c, 43c, 45c, *47, 52	Garden City	17, 18, *42
Pensacola	17, *31, 34c, 45c	Decatur	18c, 22c	Goodland	14
Sarasota	52			Great Bend	22
St. Petersburg	24, 57, 59			Hays	*16, 20
Tallahassee	2, 22, *32			Hutchinson	19, *29, 35c
Tampa	7c, 12c, 29c, *34, 47, *54			Lakin	*23
Tequesta	16			Lawrence	39c
				Oakley	*40
				Pittsburg	30

Community	Channel No.	Community	Channel No.	Community	Channel No.
Salina	17c	New Bedford	22, 49	Tupelo	57
Topeka	*23, 26c, 44, 48c	Norwell	52	West Point	16
Wichita	21, 25c, 34c, 45	Springfield	33, 55, *58c	Missouri:	
Kentucky:		Vineyard Haven	40	Birch Tree	*7
Ashland	*26c, *45	Worcester	29, *47c	Bowling Green	*50
Beattyville	7	Michigan:		Cape Girardeau	22c, 57
Bowling Green	16, *18, 33, *48	Alpena	13, *57	Columbia	22, 36
Campbellsville	19	Ann Arbor	33	Hannibal	29
Covington	*24	Bad Axe	*15	Jefferson City	12c, 20
Danville	4	Battle Creek	20, 44c	Joplin	*25c, 43, 46
Elizabethtown	*43	Bay City	22	Kansas City	14, *18c, 24, 31c, 34, 42c, 47, 51c
Harlan	51	Cadillac	40, 47, *58	King City	*28
Hazard	12, *16	Calumet	18	Kirksville	33
Lexington	20, 40, *42, 59	Cheboygan	14	Poplar Bluff	18
Louisville	8, *17, 26, *38, 47, 49, 55	Detroit	14, 21c, 41, *43, 44, 45, 58	Sedalia	15
Madisonville	20c, *42	East Lansing	*55	Springfield	19, *23, 28c, 44, 52
Morehead	*15, 21	Escanaba	48	St. Joseph	21, 53
Murray	*36	Flint	16, 36, *52	St. Louis	14, 26, 31c, 35, *39, 43, 56
Newport	29	Grand Rapids	7c, *11, 19, 39	Montana:	
Owensboro	29	Iron Mountain	22	Billings	11, 17, 18
Owenton	*44	Jackson	34	Bozeman	16, *20
Paducah	32, 41, 50c	Kalamazoo	2c, *5, 45	Butte	2, 15, 19c
Pikeville	*24	Lansing	38, 51, 59	Glendive	15
Somerset	*14	Manistee	*17	Great Falls	39, 44, 45
Louisiana:		Marquette	*33, 35	Hardin	19
Alexandria	*26c, 32c, 35	Mount Clemens	39c	Helena	14, 29
Baton Rouge	*22, 34c, 42, 45c, 46	Mount Pleasant	*56	Kalispell	38
Columbia	57	Muskegon	24	Miles City	13, *39
Lafayette	16c, *23c, 28, 56	Onondaga	57	Missoula	*27, 35, 36, 40
Lake Charles	*20, 30c, 53	Saginaw	30, 48c	Nebraska:	
Monroe	*19, 55	Sault Ste. Marie	49, 56	Albion	23c
New Orleans	*11c, 14, 15, 29, 30, *31c, 39c, 43, 50c	Traverse City	31, 50	Alliance	*24
Shreveport	17, *23c, 28, 34c, 44c	University Center	*18c	Bassett	*15
Slidell	24	Vanderbilt	59	Grand Island	19, 32
West Monroe	36, 38c	West Branch	*24	Hastings	*14, 21
Maine:		Minnesota:		Hayes Center	18
Augusta	*17	Alexandria	14, 24	Kearney	35
Bangor	14, 19, 25	Appleton	*31	Lexington	*26
Biddeford	*45	Austin	*20, 33	Lincoln	25, 31, *40
Calais	*15	Bemidji	*18	McCook	12
Lewiston	39	Brainerd	*28	Merriman	*17
Orono	*22c	Duluth	17, 33, *38, 43	Norfolk	*16
Poland Spring	46	Hibbing	36, *51	North Platte	*16, 22
Portland	4, 38, 44	Mankato	38	Omaha	*17, 20, 22, 38, 43c, 45
Presque Isle	16, *20	Minneapolis	21, 22c, *26, 32, 35, *44c	Scottsbluff	19, 29
Maryland:		Redwood Falls	27	Superior	34
Annapolis	*42	Rochester	36, 46c	Nevada:	
Baltimore	*29, 38, 40, 41, 46c, 52, 59	St. Cloud	40c	Elko	8, *15
Frederick	*28	St. Paul	*16c, *34, 50	Henderson	24
Hagerstown	16, *44, 55	Thief River Falls	57	Las Vegas	2c, 7c, *11c, 16c, 17, 20c, 32c
Oakland	*54	Walker	20	Paradise	38c
Salisbury	21, 53, *56	Worthington	*15	Reno	*15, 22c, 23, 26c, 32, 33, 41
Massachusetts:		Mississippi:		Winnemucca	12
Adams	36	Biloxi	*35, 36	New Hampshire:	
Boston	*19, 20, 30, 31, 32, 39c, 42, *43c	Booneville	*55	Berlin	*15
Cambridge	41	Bude	*18c	Concord	33
Lawrence	18	Columbus	35	Derry	35
Marlborough	23	Greenville	17	Durham	*57
		Greenwood	*26, 54	Keene	*49c
		Gulfport	48	Littleton	*48c
		Hattiesburg	23c	Manchester	59c
		Holly Springs	41c	Merrimack	34
		Jackson	*20, 21, 41c, 51, 52	New Jersey:	
		Laurel	28		
		Meridian	25c, 31c, *47, 49		
		Mississippi State	*38		
		Natchez	49c		
		Oxford	*36		

Community	Channel No.	Community	Channel No.	Community	Channel No.
Atlantic City	46, 49	Greenville	10c, 21, *23	Oklahoma City	15c, 16, 24c,
Burlington	27	Hickory	40		27, *32,
Camden	*22c	High Point	35		33c, 39, 40,
Linden	36	Jacksonville	34c, *44		50, 51c
Montclair	*51c	Kannapolis	50	Okmulgee	28
New Brunswick	*18	Lexington	19c	Shawnee	29c
Newark	53c, 61	Linville	*54	Tulsa	22c, *38, 42c,
Newton	8c	Lumberton	*25		48c, 49, 55,
Paterson	40c	Morehead City	24		56, 58
Secaucus	38	New Bern	48	Oregon:	
Trenton	*43	Raleigh	49c, 53, 57	Bend	*11, 18
Vineland	66c	Roanoke Rapids	*39	Coos Bay	21, 22c
West Milford	*29	Rocky Mount	15	Corvallis	*39
Wildwood	36	Washington	32	Eugene	14, 17c, 25,
New Mexico:		Wilmington	*29, 30, 46,		26, *29c
Albuquerque	16, *17, 21,		54	Klamath Falls	29, *33, 40
	22c, *25,	Wilson	42	La Grande	*5
	26, 42c, 51c	Winston-Salem	29, 31, *43	Medford	15, 27c, 35,
Carlsbad	19				38, *42
Clovis	20	North Dakota:		Pendleton	4
Farmington	15	Bismarck	16c, *22, 23,	Portland	*27, 30, 40,
Gallup	8		31		43, 45, 46
Hobbs	17	Devils Lake	59	Roseburg	18, 19, 45c
Las Cruces	*23c, 28	Dickinson	18, 19, *20	Salem	20, 33c
Portales	*32	Ellendale	*20c	Pennsylvania:	
Roswell	28c, 38, 41	Fargo	19, 21, *39,	Allentown	46, *62c
Santa Fe	10c, 27, 29		58	Altoona	24c, 32, 46c
Silver City	12, *33	Grand Forks	*56	Bethlehem	59c
Socorro	*31	Jamestown	14	Clearfield	*15
New York:		Minot	15c, 45, *57,	Erie	16, 22, *50,
Albany	4, 15, 26		58		52, 58
Amsterdam	50	Pembina	15	Greensburg	50
Batavia	53	Valley City	38	Harrisburg	4, *36, 57
Binghamton	4, 7, 8, *42	Williston	14, *51, 52	Hazleton	9
Buffalo	14, *32, 33,	Ohio:		Johnstown	29, 30, 34
	34, 38, 39,	Akron	30, *32c, 59	Lancaster	23, 58
	*43	Alliance	*46c	Philadelphia	26, 32, *34c,
Carthage	35	Athens	*27		42, 54, 64c,
Corning	50	Bowling Green	*56		67
Elmira	2, 55	Cambridge	*35	Pittsburgh	25, *26, *38,
Garden City	*22c	Canton	39, 47		42, 43, 48,
Jamestown	27c	Chillicothe	46		51
Kingston	21	Cincinnati	10c, 31, 33,	Reading	25
New York	*24c, 28, 30c,		*34, 35	Red Lion	30
	33, 44, 45,	Cleveland	2c, 15, *26c,	Scranton	13, 31, 32,
	56		31, 34		*41, 49
North Pole	14	Columbus	11c, 13, 14,	Wilkes-Barre	11
Norwood	*23		36, *38	Williamsport	29
Plattsburgh	*38	Dayton	39, 41, 50, 51,	York	47
Poughkeepsie	27		*58	Rhode Island:	
Riverhead	57	Lima	20, 57	Block Island	17
Rochester	*16, 28, 45,	Lorain	28	Providence	13c, *21, 51,
	58, 59	Mansfield	12		54c
Schenectady	*34, 39, 43	Newark	24	South Carolina:	
Smithtown	23	Oxford	*28	Allendale	*33
Springville	46	Portsmouth	17, *43c	Anderson	14
Syracuse	17, 19, *25c,	Sandusky	42	Beaufort	*44
	44c, 47, 54	Shaker Heights	10	Charleston	35c, 40, *49,
Utica	27, 29, 30	Springfield	18		52, 53, 59
Watertown	21, *41	Steubenville	57	Columbia	8, 17, *32, 41,
North Carolina:		Toledo	5, 17, 19,		48
Asheville	*25, 45, 56,		*29c, 46, 49	Conway	*58
	57	Youngstown	20c, 36, 41	Florence	16c, 20c, *45,
Belmont	47c	Zanesville	40		56
Burlington	14	Oklahoma:		Greenville	*9, 52, 59
Chapel Hill	*59	Ada	26	Greenwood	*18
Charlotte	21, 22, 23,	Altus	*42	Hardeeville	27c
	*24, 34	Bartlesville	14	Myrtle Beach	18
Columbia	*20	Cheyenne	*8	Rock Hill	15, 39
Concord	*44	Claremore	*36c	Spartanburg	43, 53
Durham	27c, 52	Enid	18	Sumter	*28c, 38
Fayetteville	36, 38	Eufaula	*31	South Dakota:	
Goldsboro	55	Guymon	*29	Aberdeen	*17c, 28
Greensboro	32, 33, 51	Lawton	23	Brookings	*18

Community	Channel No.	Community	Channel No.	Community	Channel No.
Eagle Butte	*24	Houston	19c, *24, 27c, 31, 32, 35, 38c, 44c, *53	Richmond	*24c, 25, 26, *44, 54
Florence	25	Irving	48c	Roanoke	*3, 17, 18, 30, 36
Huron	22	Jacksonville	22	Staunton	*19
Lead	26, 27	Katy	52c	Virginia Beach	29
Lowry	*15	Kerrville	17	West Point	*46
Martin	*20	Killeen	23	Washington:	
Mitchell	26	Lake Dallas	43	Bellevue	32c, 50c
Pierre	19, *21	Laredo	14, 15, 19	Bellingham	19, 35
Rapid City	16c, 18, 22c, *23	Llano	27	Centralia	*19
Reliance	14	Longview	52c	Everett	31
Sioux Falls	7, *24c, 29, 32, 47c, 48	Lubbock	25, 27c, 35c, *39, 40, 44	Kennewick	14
Vermillion	*34	Lufkin	43	Pasco	20c
Tennessee:		McAllen	30	Pullman	*17
Chattanooga	*29, 35, 40, 47, 55	Midland	26	Richland	26c, *30c
Cleveland	42	Nacogdoches	18c	Seattle	25, 38, 39, *41, 44c, 48
Cookeville	36, *52	Odessa	15, *22, 23c, 31c, 43c	Spokane	29c, 38, *39, 54, 55, 57
Crossville	50	Port Arthur	40	Tacoma	14, 18, *26, 36, *42
Greeneville	38c	Rio Grande City	20	Vancouver	48c
Hendersonville	51c	Rosenberg	46c	Wenatchee	56
Jackson	39, 43	San Angelo	11, 16, 19	Yakima	16, *21, 34c, 52
Jellico	23	San Antonio	*16, *20, 30c, 39, 40c, 48, 55, 58	West Virginia:	
Johnson City	58	Sherman	20	Bluefield	14, 46
Kingsport	27	Snyder	10	Charleston	*16, 19, 39, 55
Knoxville	*17, 26, 30, 31, 34	Sweetwater	20	Clarksburg	28, 52
Lebanon	44	Temple	50	Grandview	*53
Lexington	*47	Texarkana	15, *50	Huntington	23, *34c, 54
Memphis	25c, 28, *29c, 31c, 51c, 52, 53	Tyler	38	Lewisburg	48
Murfreesboro	38c	Victoria	15, 34	Martinsburg	12
Nashville	10, 15, 21, 23, 27, *46, 56	Waco	*20, 26c, 53, 57	Morgantown	*33
Sneedville	*41	Weslaco	13	Oak Hill	50
Texas:		Wichita Falls	17c, 22, 28	Parkersburg	49
Abilene	24, 29	Utah:		Weston	58
Alvin	36	Cedar City	14, *44	Wheeling	56
Amarillo	9c, 15c, 19, *21, 24	Monticello	*41	Wisconsin:	
Arlington	42	Ogden	29c, *35	Appleton	59
Austin	21, *22, 33, 43c, 49, 56	Provo	17c, *39	Chippewa Falls	49c
Baytown	41	Salt Lake City	27c, 28, 34, 36, 38, *40	Eagle River	17
Beaumont	21, *33c, 50	St. George	9	Eau Claire	15, 39
Belton	47c	VERMONT:		Fond du Lac	44
Big Spring	33	Burlington	16, *32c, 43c, 53	Green Bay	23, 41, *42, 51, 56
Brownsville	24c	Hartford	25	Janesville	32
Bryan	29c, 59	Rutland	*56	Kenosha	40
College Station	*12	St. Johnsbury	*18	La Crosse	14, 17, *30c, 53
Conroe	5, 42	Windsor	*24	Madison	11, 19, *20c, 26c, 50
Corpus Christi	18, *22, 27c, 47, 50	Virginia:		Manitowoc	19
Dallas	9c, *14, 32c, 35, 36, 40c, 45	Arlington	15c	Mayville	43
Decatur	30c	Ashland	47	Menomonie	*27c
Del Rio	28	Bristol	28	Milwaukee	*8, 22, 25c, 28, 33, 34, *35c, 46, 61
Denton	*31	Charlottesville	*14, 32	Park Falls	*47
Eagle Pass	18	Danville	41	Racine	48c
El Paso	15c, 16, 17, 18, 25c, *29, *39c, 51	Fairfax	*57c	Rhineland	16
Fort Worth	18, 19, 41, 51c	Front Royal	*21	Superior	19
Galveston	*23c, 47c	Goldvein	*30	Suring	21
Garland	24c	Grundy	49	Wausau	*24, 29, 40
Greenville	46c	Hampton	41	Wyoming:	
Harlingen	31, *34, *38	Hampton-Norfolk	*16c	Casper	15c, 17, 18
		Harrisonburg	49	Cheyenne	11, 28c, 30
		Lynchburg	20c, *34, 56	Jackson	14
		Manassas	36	Lander	7, *8
		Marion	*42	Rawlins	9
		Norfolk	14c, 38, 58	Riverton	16
		Norton	*32	Rock Springs	19
		Petersburg	22c		
		Portsmouth	19, 31		

Community	Channel No.
Sheridan	21
Puerto Rico:	
Aguada	62
Aguadilla	17c, *34, 69
Arecibo	53c, 61c
Bayamon	59c
Caguas	56, *57c
Carolina	51c
Fajardo	33c, *38
Guayama	45c
Humacao	49
Mayaguez	23c, 29, 35, 63
Naranjito	65c
Ponce	19c, *25c, 43c, 47c, 66, 67c
San Juan	21, 27c, 28, 31c, 32, *55c
San Sebastian	39c
Yauco	41c
Virgin Islands:	
Charlotte Amalie	*44c, 48, 50
Christiansted	5, 20

(c) *Availability of channels.*

Applications may be filed to construct DTV broadcast stations only on the channels designated in the DTV Table of Allotments set forth in paragraph (b) of this section, and only in the communities listed therein.

Applications that fail to comply with this requirement, whether or not accompanied by a petition to amend the DTV Table, will not be accepted for filing. However, applications specifying channels that accord with publicly announced FCC Orders changing the DTV Table of Allotments will be accepted for filing even if such applications are tendered before the effective dates of such channel change. An application for authority to construct a DTV station on an allotment in the initial DTV table may only be filed by the licensee or permittee of the analog TV station with which that initial allotment is paired, as set forth in Appendix B of the *Sixth Report and Order* in MM Docket 87-268, FCC 97-115, adopted April 3, 1997. Copies of the *Sixth Report and Order* may be inspected during normal business hours at the: Federal Communications Commission, 1919 M St., NW., Dockets Branch (Room 239), Washington, DC 20554. This document is also available through the Internet on the *FCC Home Page* at <http://www.fcc.gov>.

Applications may also be filed to implement an exchange of channel allotments between two or more licensees or permittees of analog TV stations in the same community, provided, however, that the other requirements of this section and of

§ 73.623 are met with respect to each such application.

(d) *Reference points and distance computations.* (1) The reference coordinates of a DTV allotment included in the initial DTV Table of Allotments are the coordinates of the authorized transmitting antenna site of the analog TV station with which that initial allotment is paired, as set forth in Appendix B of the *Sixth Report and Order* in MM Docket 87-268 (referenced in paragraph (c) of this section). An application for authority to construct or modify DTV facilities may specify an alternate location for the DTV transmitting antenna that is within 5 kilometers of the DTV allotment reference coordinates without consideration of electromagnetic interference to other DTV or analog TV broadcast stations, allotments or applications, provided the application complies with paragraph (f)(2) of this section. Location of a DTV broadcast station's transmitting antenna at a site more than 5 kilometers from the DTV allotment reference coordinates must comply with the provisions of § 73.623(c). In the case where a DTV station has been granted authority to construct more than 5 kilometers from its reference coordinates pursuant to § 73.623(c), and its authorized coverage area extends in any azimuthal direction beyond the DTV coverage area determined for the DTV allotment reference facilities, then the coordinates of such authorized site are to be used in addition to the coordinates of the DTV allotment to determine protection from new DTV allotments pursuant to § 73.623(d) and from subsequent DTV applications filed pursuant to § 73.623(c).

(2) The reference coordinates of a DTV allotment not included in the initial DTV Table of Allotments will be designated in the FCC Order changing the DTV Table of Allotments and must meet the geographic spacing requirements of § 73.623(d). An application for authority to construct or modify such DTV facilities must comply with the provisions of § 73.623(c). In the case where such a DTV station has been granted authority to construct pursuant to § 73.623(c) and its authorized coverage area extends in any azimuthal direction beyond the DTV coverage area determined for the DTV allotment reference facilities, then the coordinates of such authorized site are to be used in addition to the coordinates of the DTV allotment to determine protection from new DTV allotments pursuant to § 73.623(d) and from subsequent DTV applications filed pursuant to § 73.623(c).

(3) The reference coordinates defined in paragraphs (d)(1) and (d)(2) of this section shall be used in considering petitions to amend the DTV Table of Allotments and in determining whether interference occurs between DTV stations and between DTV and analog TV stations.

(4) In cases where there are pending applications for DTV stations in other communities which, if granted, would have to be considered in determining whether proposed or modified stations would meet the required technical criteria or separations, as defined in § 73.623, the coordinates of the transmitter sites proposed in such applications must be used to determine whether those requirements have been met.

(5) To calculate the distance between two reference points, see § 73.208(c). However, distances shall be rounded to the nearest tenth of a kilometer.

(e) *DTV Service Areas.* The service area of a DTV station is the geographic area within which the predicted F(50,90) field strength of the station's signal, in dB above 1 microvolt per meter (dBu), exceeds the following levels:

	dBu
Channels 2-6	28
Channels 7-13	36
Channels 14-69	41

These are the levels at which reception of DTV service is limited by noise. Evaluation of field strength in determining service areas shall be made using the terrain dependent Longley-Rice point-to-point propagation model. Guidance for evaluating coverage areas using the Longley-Rice methodology is provided in *OET Bulletin No. 69*. Copies of *OET Bulletin No. 69* may be inspected during normal business hours at the: Federal Communications Commission, 1919 M St., NW., Dockets Branch (Room 239), Washington, DC 20554. This document is also available through the Internet on the *FCC Home Page* at <http://www.fcc.gov>.

(f) *DTV maximum power and antenna heights.* (1) The maximum effective radiated power (ERP) and antenna height above average terrain (HAAT) for an allotment included in the initial DTV Table of Allotments are set forth in Appendix B of the *Sixth Report and Order* in MM Docket 87-268 (referenced in paragraph (c) of this section). These limits also appear on the construction permit and license issued for each DTV station. In each azimuthal direction, the reference ERP value is based on the HAAT of the corresponding analog TV

station and achieving predicted coverage equal to that analog TV station's predicted Grade B contour, as defined in § 73.683.

(2) An application for authority to construct or modify DTV facilities will not be subject to further consideration of electromagnetic interference to other DTV or analog TV broadcast stations, allotments or applications, provided that:

(i) The proposed ERP in each azimuthal direction is equal to or less than the reference ERP in that direction; and

(ii) The proposed HAAT is equal to or less than the reference HAAT; and

(iii) The application complies with the location provisions in paragraph (d)(1) of this section.

(3) DTV licensees and permittees may request an increase in either ERP in some azimuthal direction or HAAT, or both, that exceed the initial technical facilities specified for the allotment in Appendix B the *Sixth Report and Order*, up to the maximum permissible limits on DTV power and antenna height set forth in this section or up to that needed to provide the same geographic coverage area as the largest station within their market. Such requests must be accompanied by a technical showing that the increase complies with the technical criteria in § 73.623(c), and thereby will not result in new interference, or statements agreeing to the change from any co-channel or adjacent channel stations that might be affected by potential new interference. In the case where a DTV station has been granted authority to construct pursuant to § 73.623(c), and its authorized coverage area extends in any azimuthal direction beyond the DTV coverage area determined for the DTV allotment reference facilities, then the authorized DTV facilities are to be used in addition to the assumed facilities of the initial DTV allotment to determine protection from new DTV allotments pursuant to § 73.623(d) and from subsequent DTV applications filed pursuant to § 73.623(c).

(4) A DTV station that operates on a channel 2–6 allotment created subsequent to the initial DTV Table will be allowed a maximum ERP of 10 kW if its antenna HAAT is at or below 305 meters and it is located in Zone I or a maximum ERP of 45 kW if its antenna HAAT is at or below 305 meters and it is located in Zone II or Zone III.

(i) At higher HAAT levels, such DTV stations will be allowed to operate with lower maximum ERP levels in accordance with the following table and formulas:

MAXIMUM ALLOWABLE ERP AND ANTENNA HEIGHT FOR DTV STATIONS IN ZONES II OR III ON CHANNELS 2–6

Antenna HAAT (meters)	ERP (kW)
610	10
580	11
550	12
520	14
490	16
460	19
425	22
395	26
365	31
335	37
305	45

(ii) The allowable maximum ERP for intermediate values of HAAT is determined using linear interpolation based on the units employed in the table. For DTV stations located in Zone I that operate on channels 2–6 with an HAAT that exceeds 305 meters, the allowable maximum ERP expressed in decibels above 1 kW (dBk) is determined using the following formula, with HAAT expressed in meters:

$$ERP_{\max} = 92.57 - 33.24 \cdot \log_{10}(\text{HAAT})$$

(iii) For DTV stations located in Zone II or III that operate on channels 2–6 with an HAAT that exceeds 610 meters, the allowable maximum ERP expressed in decibels above 1 kW (dBk) is determined using the following formula, with HAAT expressed in meters:

$$ERP_{\max} = 57.57 - 17.08 \cdot \log_{10}(\text{HAAT})$$

(5) A DTV station that operates on a channel 7–13 allotment created subsequent to the initial DTV Table will be allowed a maximum ERP of 30 kW if its antenna HAAT is at or below 305 meters and it is located in Zone I or a maximum ERP of 160 kW if its antenna HAAT is at or below 305 meters and it is located in Zone II or Zone III.

(i) At higher HAAT levels, such DTV stations will be allowed to operate with lower maximum ERP levels in accordance with the following table and formulas:

MAXIMUM ALLOWABLE ERP AND ANTENNA HEIGHT FOR DTV STATIONS IN ZONES II OR III ON CHANNELS 7–13

Antenna HAAT (meters)	ERP (kW)
610	30
580	34
550	40
520	47

MAXIMUM ALLOWABLE ERP AND ANTENNA HEIGHT FOR DTV STATIONS IN ZONES II OR III ON CHANNELS 7–13

Antenna HAAT (meters)	ERP (kW)
490	54
460	64
425	76
395	92
365	110
335	132
305	160

(ii) The allowable maximum ERP for intermediate values of HAAT is determined using linear interpolation based on the units employed in the table. For DTV stations located in Zone I that operate on channels 7–13 with an HAAT that exceeds 305 meters, the allowable maximum ERP expressed in decibels above 1 kW (dBk) is determined using the following formula, with HAAT expressed in meters:

$$ERP_{\max} = 97.35 - 33.24 \cdot \log_{10}(\text{HAAT})$$

(iii) For DTV stations located in Zone II or III that operate on channels 7–13 with an HAAT that exceeds 610 meters, the allowable maximum ERP expressed in decibels above 1 kW (dBk) is determined using the following formula, with HAAT expressed in meters:

$$ERP_{\max} = 62.34 - 17.08 \cdot \log_{10}(\text{HAAT})$$

(6) A DTV station that operates on a channel 14–59 allotment created subsequent to the initial DTV Table will be allowed a maximum ERP of 1000 kW if their antenna HAAT is at or below 365 meters.

(i) At higher HAAT levels, such DTV stations will be allowed to operate with lower maximum ERP levels in accordance with the following table and formulas:

MAXIMUM ALLOWABLE ERP AND ANTENNA HEIGHT FOR DTV STATIONS ON CHANNELS 14–59, ALL ZONES

Antenna HAAT (meters)	ERP (kW)
610	316
580	350
550	400
520	460
490	540
460	630
425	750
395	900
365	1000

(ii) The allowable maximum ERP for intermediate values of HAAT is

determined using linear interpolation based on the units employed in the table. For DTV stations located in Zone I, II or III that operate on channels 14–59 with an HAAT that exceeds 610 meters, the allowable maximum ERP expressed in decibels above 1 kW (dBk) is determined using the following formula, with HAAT expressed in meters:

$$\text{ERP}_{\text{max}} = 72.57 - 17.08 \log_{10}(\text{HAAT})$$

(g) For DTV stations using a channel allotment designated with a “c” in paragraph (b) of this section, the pilot carrier frequency of the DTV signal must be maintained 5.082138 MHz above the visual carrier frequency of the analog TV broadcast station operating on the lower adjacent channel, located within 88 kilometers of the DTV broadcast station. This frequency difference must be maintained within a tolerance of ± 3 Hz.

(h)(1) The field strength or voltage of emissions on frequencies outside the authorized channel of operation must be attenuated no less than the following amounts below the average transmitted power within the authorized channel. At the channel edge, emissions must be attenuated no less than 46 dB. More than 6 MHz from the channel edge, emissions must be attenuated no less than 71 dB. At any frequency between 0 and 6 MHz from the channel edge, emissions must be attenuated no less than the value determined by the following formula:

$$\text{Attenuation in dB} = 46 + [(\Delta f)^2 / 1.44];$$

Where:

Δf = frequency difference in MHz from the edge of the channel.

(2) This attenuation is based on a measurement bandwidth of 500 kHz. Other measurement bandwidths may be used as long as appropriate correction factors are applied. Emissions include sidebands, spurious emissions and radio frequency harmonics. Attenuation is to be measured at the output terminals of the transmitter (including any filters that may be employed). In the event of interference caused to any service, greater attenuation may be required.

Note to paragraph (h): Greater attenuation may be required for situations where the DTV station and an adjacent channel analog TV station serve the same area and there are expected to be locations within that shared area where the analog TV station's field strength is less than 12 dB above the DTV station's field strength.

5. A new § 73.623 is added to read as follows:

§ 73.623 DTV applications and changes to DTV allotments.

(a) *General.* This section contains the technical criteria for evaluating applications requesting DTV facilities that do not conform to the provisions of § 73.622 and petitions for rule making to amend the DTV Table of Allotments (§ 73.622(b)). Petitions to amend the DTV Table (other than those also expressly requesting amendment of this section) and applications for new DTV broadcast stations or for changes in authorized DTV stations filed pursuant to this section will not be accepted for filing if they fail to comply with the requirements of this section.

(b) In considering petitions to amend the DTV Table and applications filed pursuant to this section, the Commission will use geographic coordinates defined in § 73.622(d) as reference points in determining allotment separations and evaluating interference potential.

(c) *Minimum technical criteria for modification of DTV allotments included in the initial DTV Table of Allotments and for applications filed pursuant to this section.* No petition to modify a channel allotment included in the initial DTV Table or application for authority to construct or modify a DTV station, filed pursuant to this section, will be accepted unless it shows compliance with the requirements of this paragraph.

(1) Requests filed pursuant to this paragraph must demonstrate compliance with the principal community coverage requirements of § 73.625(a).

(2) Requests filed pursuant to this paragraph must demonstrate that there is no increase in the amount of interference caused to any other DTV broadcast station, DTV allotment, or analog TV broadcast station. For evaluating compliance with this requirement, interference is to be predicted based on the procedure set forth in Appendix B of the *Sixth Report and Order* in MM Docket 87–268, FCC 97–115, adopted April 3, 1997, including service areas determined in accordance with § 73.622(e), consideration of whether F(50,10) undesired signals will exceed the following desired-to-undesired (D/U) signal ratios, assumed use of a directional receiving antenna, and use of the terrain dependent Longley-Rice point-to-point propagation model. Guidance for evaluating interference using the Longley-Rice methodology is provided in *OET Bulletin No. 69*. Copies of the *Sixth Report and Order* and *OET Bulletin No. 69* may be inspected during normal business hours at the: Federal

Communications Commission, 1919 M St., NW., Dockets Branch (Room 239), Washington, DC 20554. These documents are also available through the Internet on the *FCC Home Page* at <http://www.fcc.gov>. The threshold levels at which interference is considered to occur are:

	D/U ratio
Co-channel:	
DTV-into-analog TV	+34
analog TV-into-DTV	+2
DTV-into-DTV	+15
First Adjacent Channel:	
Lower DTV-into-analog TV	–17
Upper DTV-into-analog TV	–12
Lower analog TV-into-DTV	–48
Upper analog TV-into-DTV	–49
Lower DTV-into-DTV	–42
Upper DTV-into-DTV	–43
Other Adjacent Channel (Channels 14–69 only) DTV-into-analog TV, where N = analog TV channel and DTV Channel:	
N–2	–24
N+2	–28
N–3	–30
N+3	–34
N–4	–34
N+4	–25
N–7	–35
N+7	–34
N–8	–32
N+8	–43
N+14	–33
N+15	–31

Note to paragraph (c)(2): The values for co-channel interference to DTV service are only valid at locations where the signal-to-noise ratio is 28 dB or greater. At the edge of the noise-limited service area, where the signal-to-noise ratio is 16 dB, these values are 21 dB and 23 dB for interference from analog TV and DTV, respectively. Due to the frequency spacing that exists between Channels 4 and 5, between Channels 6 and 7, and between Channels 13 and 14, the minimum adjacent channel technical criteria specified in the table shall not be applicable to these pairs of channels (see § 73.603(a)).

(d)(1) *Minimum geographic spacing requirements for DTV allotments not included in the initial DTV Table of Allotments.* No petition to add a new channel to the DTV Table of Allotments will be accepted unless it demonstrates compliance with the principle community coverage requirements of § 73.625(a) and meets the following requirements for geographic spacing with regard to all other DTV stations, DTV allotments and analog TV stations:

Channel relationship	Separation requirement
VHF Channels 2–13:	

Channel relationship	Separation requirement	Channel relationship	Separation requirement
Co-channel, DTV to DTV	Zone I— 244.6 km. Zones II & III—273.6 km.	Co-channel, DTV to DTV	Zone I— 196.3 km Zone II & III—223.7 km.
Co-channel, DTV to analog TV	Zone I— 244.6 km. Zone II & III—273.6 km.	Co-channel, DTV to analog TV	Zone I— 217.3 km. Zone II & III—244.6 km.
Adjacent Channel DTV to DTV	No allotments permitted between: Zone I—40.2 km and 96.6 km. Zones II & III—48.3 km and 96.6 km.	Adjacent Channel DTV to DTV	No allotments permitted between: All Zones—32.2 km and 88.5 km.
DTV to analog TV	No allotments permitted between: Zone I—11.3 km and 114.3 km. Zone II & III—17.7 km and 146.4 km.	DTV to analog TV	No allotments permitted between: All Zones—9.7 km and 88.5 km.
UHF Channels:		Taboo Channels, DTV to analog TV only (DTV channels ± 2 , ± 3 , ± 4 , ± 7 , ± 8 , and 14 or 15 channels above the analog TV channel).	No allotments permitted between: Zone I—24.1 km and 80.5 km Zone II & III 24.1 km and 96.6 km

Note to paragraph (d)(1): Due to the frequency spacing that exists between Channels 4 and 5, between Channels 6 and 7, and between Channels 13 and 14, the minimum geographic spacing requirements specified in the table shall not be applicable to these pairs of channels (see § 73.603(a)).

(2) Zones are defined in § 73.609. The minimum distance separation between a DTV station in one zone and an analog TV or DTV station in another zone shall be that of the zone requiring the lower separation.

(e) *Protection of land mobile operations on channels 14–20.* The Commission will not accept petitions to amend the DTV Table of Allotments, applications for new DTV stations, or applications to change the channel or location of authorized DTV stations that would use channels 14–20 where the distance between the DTV reference point as defined in § 73.622(d), would be located less than 250 km from the city center of a co-channel land mobile operation or 176 km from the city center of an adjacent channel land mobile operation. Land mobile operations on these channels in the following markets:

City	Channels	Latitude	Longitude
Boston, MA	14, 16	42°21'24"	71°03'25"
Chicago, IL	14, 15	41°52'28"	87°38'22"
Dallas, TX	16	32°47'09"	96°47'37"
Houston, TX	17	29°45'26"	95°21'37"
Los Angeles, CA	14, 16, 20	34°03'15"	118°14'28"
Miami, FL	14	25°46'37"	80°11'32"
New York, NY 1	4, 15	40°45'06"	73°59'39"
Philadelphia, PA	19, 20	39°56'58"	75°09'21"
Pittsburgh, PA	14, 18	40°26'19"	80°00'00"
San Francisco, CA	16, 17	37°46'39"	122°24'40"
Washington, DC	17, 18	38°53'51"	77°00'33"

(f) *Negotiated agreements on interference.* Notwithstanding the minimum technical criteria for DTV allotments specified in paragraph (b) of this section, DTV stations operating on allotments that are included in the initial DTV Table may operate with increased ERP and/or antenna HAAT that would result in additional interference to an analog TV station if that station agrees, in writing, to accept the additional interference. Such agreements must be submitted with the application for authority to construct or modify the DTV station's facilities. The

larger service area resulting from such a change of ERP and/or antenna HAAT will be protected in accordance with the provisions of paragraph (c) of this section. Applications submitted pursuant to the provisions of this paragraph will be granted only if the Commission finds that such action is consistent with the public interest.

PART 74—EXPERIMENTAL RADIO, AUXILIARY, SPECIAL BROADCAST AND OTHER PROGRAM DISTRIBUTION SERVICES

6. The authority citation for part 74 continues to read as follows:

Authority: Secs. 4, 303, 48 Stat. 1066, as amended, 1082, as amended; 47 U.S.C. 154, 303, 336, and 554.

7. Section 74.701 is amended by revising paragraph (b) to read as follows:

§ 74.701 Definitions.

* * * * *

(b) *Primary station.* The analog television broadcast station (TV broadcast) or digital television station (DTV) which provides the programs and signals being retransmitted by a television broadcast translator station.

* * * * *

8. Section 74.702 is amended by revising paragraph (b) to read as follows:

§ 74.702 Channel assignments.

* * * * *

(b) Changes in the TV Table of Allotments or Digital Television Table of Allotments (§§ 73.606(b) and 73.622(a), respectively, of part 73 of this chapter), authorizations to construct new TV broadcast analog or DTV stations or to authorizations to change facilities of existing such stations, may be made without regard to existing or proposed low power TV or TV translator stations. Where such a change results in a low power TV or TV translator station causing actual interference to reception of the TV broadcast analog or DTV station, the licensee or permittee of the low power TV or TV translator station shall eliminate the interference or file an application for a change in channel assignment pursuant to § 73.3572 of this chapter.

* * * * *

9. Section 74.703 is amended by revising paragraphs (a), (b) and (c) to read as follows:

§ 74.703 Interference.

(a) An application for a new low power TV, TV translator, or TV booster station or for a change in the facilities of such an authorized station will not be granted when it is apparent that interference will be caused. Except where there is a written agreement between the affected parties to accept interference, or where it can be shown that interference will not occur due to terrain shielding and/or Longley-Rice terrain dependent propagation methods, the licensee of a new low power TV, TV translator, or TV booster shall protect existing low power TV and TV translator stations from interference within the protected contour defined in § 74.707. Such written agreement shall accompany the application. Guidance on using the Longley-Rice methodology is provided in *OET Bulletin No. 69*. Copies of *OET Bulletin No. 69* may be inspected during normal business hours at the: Federal Communications Commission, 1919 M St., N.W., Dockets Branch (Room 239), Washington, DC 20554. This document is also available through the Internet on the *FCC Home Page* at <http://www.fcc.gov>.

(b) It shall be the responsibility of the licensee of a low power TV, TV

translator, or TV booster station to correct at its expense any condition of interference to the direct reception of the signal of any other TV broadcast analog station and DTV station operating on the same channel as that used by the low power TV, TV translator, or TV booster station or an adjacent channel which occurs as a result of the operation of the low power TV, TV translator, or TV booster station. Interference will be considered to occur whenever reception of a regularly used signal is impaired by the signals radiated by the low power TV, TV translator, or TV booster station, regardless of the quality of the reception or the strength of the signal so used. If the interference cannot be promptly eliminated by the application of suitable techniques, operation of the offending low power TV, TV translator, or TV booster station shall be suspended and shall not be resumed until the interference has been eliminated. If the complainant refuses to permit the low Power TV, TV translator, or TV booster station to apply remedial techniques that demonstrably will eliminate the interference without impairment of the original reception, the licensee of the low power TV, TV translator, or TV booster station is absolved of further responsibility. TV booster stations will be exempt from the provisions of this paragraph to the extent that they may cause limited interference to their primary stations' signal subject to the conditions of paragraph (g) of this section.

(c) It shall be the responsibility of the licensee of a low power TV, TV translator, or TV booster station to correct any condition of interference which results from the radiation of radio frequency energy outside its assigned channel. Upon notice by the FCC to the station licensee or operator that such interference is caused by spurious emissions of the station, operation of the station shall be immediately suspended and not resumed until the interference has been eliminated. However, short test transmissions may be made during the period of suspended operation to check the efficacy of remedial measures.

* * * * *

10. Section 74.705 is amended by revising the section heading and paragraphs (b)(4) and (b)(5) and by adding a new paragraph (e) to read as follows:

§ 74.705 TV broadcast analog station protection.

* * * * *

(b) * * *

(4) A UHF low power TV or TV translator construction permit

application will not be accepted if it specifies a site less than 100 kilometers from the transmitter site of a UHF TV broadcast analog station operating on a channel which is the seventh channel above the requested channel, unless it can demonstrate that the service area of the low power TV or TV translator station as established in § 74.707(a) is not located in an area where the TV broadcast analog station is regularly viewed.

(5) An application for a new UHF low power TV or TV translator construction permit, a change of channel, or a major change in facilities pursuant to § 73.3572 of this chapter proposing a maximum effective radiated power of more than 50 kilowatts will not be accepted if it specifies a site less than 32 kilometers from the transmitter site of a UHF TV broadcast analog station operating on a channel which is the second, third, or fourth channel above or below the requested channel.

* * * * *

(e) In support of a request for waiver of the interference protection rules, an applicant for a low power TV, TV translator or TV booster may make full use of terrain shielding and Longley-Rice terrain dependent propagation prediction methods to demonstrate that the proposed facility would not be likely to cause interference to TV broadcast stations. Guidance on using the Longley-Rice methodology is provided in *OET Bulletin No. 69*. Copies of *OET Bulletin No. 69* may be inspected during normal business hours at the: Federal Communications Commission, 1919 M St., NW., Dockets Branch (Room 239), Washington, DC 20554. This document is also available through the Internet on the *FCC Home Page* at <http://www.fcc.gov>.

11. A new § 74.706 is added to read as follows:

§ 74.706 Digital TV (DTV) station protection.

(a) For purposes of this section, the DTV station protected service area is the geographic-area in which the field strength of the station's signal exceeds the noise-limited service levels specified in § 73.622(e) of this chapter. The extremity of this area (noise-limited perimeter) is calculated from the authorized maximum radiated power (without depression angle correction), the horizontal radiation pattern, and height above average terrain in the pertinent direction, using the signal propagation method specified in § 73.625(b) of this chapter.

(b)(1) An application to construct a new low power TV or TV translator station or change the facilities of an

existing station will not be accepted if it specifies a site which is located within the noise-limited service perimeter of a co-channel DTV station.

(2) Due to the frequency spacing which exists between TV channels 4 and 5, between Channels 6 and 7, and between Channels 13 and 14, adjacent channel protection standards shall not be applicable to these pairs of channels.

(c) The low power TV, TV translator or TV booster station field strength is calculated from the proposed effective radiated power (ERP) and the antenna height above average terrain (HAAT) in pertinent directions.

(1) For co-channel protection, the field strength is calculated using Figure 9a, 10a, or 10c of § 73.699 (F(50,10) charts) of part 73 of this chapter.

(2) For adjacent channel protection, the field strength is calculated using Figure 9, 10, or 10b of § 73.699 (F(50,50) charts) of part 73 of this chapter.

(d) A low power TV, TV translator or TV booster station application will not be accepted if the ratio in dB of its field strength to that of the DTV station fails to meet the following:

(1) -21 dB for co-channel operations at the noise-limited perimeter of the DTV station.

(2) +48 dB for adjacent channel operations at:

(i) The DTV noise-limited perimeter if a low power TV, TV translator or TV booster station is located outside that perimeter.

(ii) At all points within the DTV noise-limited area if a low power TV or TV translator is located within the DTV noise-limited perimeter, as demonstrated by the applicant.

12. Section 74.707 is amended by revising paragraph (b)(3), removing paragraphs (d)(5) and (d)(6),

redesignating paragraph (d)(7) as (d)(5), and adding a new paragraph (e) to read as follows:

§ 74.707 Low power TV and TV translator station protection.

* * * * *

(b) * * *

* * * * *

(3) A UHF low power TV, TV translator, or TV booster construction permit application will not be accepted if it specifies a site within the UHF low power TV, TV translator, or TV booster station's protected contour and proposes operation on a channel that is 15 channels above the channel in use by the low power TV, TV translator, or TV booster station.

* * * * *

(e) In support of a request for waiver of the interference protection rules, an applicant for a low power TV or TV translator station may make full use of terrain shielding and Longley-Rice terrain dependent propagation prediction methods to demonstrate that the proposed facility would not be likely to cause interference to low power TV, TV translator and TV booster stations. Guidance on using the Longley-Rice methodology is provided in *OET Bulletin No. 69*. Copies of *OET Bulletin No. 69* may be inspected during normal business hours at the: Federal Communications Commission, 1919 M St., NW., Dockets Branch (Room 239), Washington, DC 20554. This document is also available through the Internet on the *FCC Home Page* at <http://www.fcc.gov>.

13. Section 74.735 is amended by revising the section heading, paragraphs (a), (b) and (c) introductory text, and removing paragraphs (d), (e) and (f).

§ 74.735 Power limitations.

(a) The maximum peak effective radiated power (ERP) of an analog low power TV, TV translator, or TV booster station shall not exceed:

(1) 3 kW for VHF channels 2-13; and

(2) 150 kW for UHF channels 14-69.

(b) The maximum ERP of a digital low power TV, TV translator, or TV booster station (average power) shall not exceed:

(1) 300 watts for VHF channels 2-13; and

(2) 15 kW for UHF channels 14-69.

(c) The limits in paragraphs (a) and (b) apply separately to the effective radiated powers that may be obtained by the use of horizontally or vertically polarized transmitting antennas, providing the applicable provisions of §§ 74.705, 74.706, 74.707 and 74.709 are met. For either omnidirectional or directional antennas, where the ERP values of the vertically and horizontally polarized components are not of equal strength, the ERP limits shall apply to the polarization with the larger ERP. Applications proposing the use of directional antenna systems must be accompanied by the following:

* * * * *

14. Section 74.750 is amended by revising paragraph (a) to read as follows:

§ 74.750 Transmission system facilities.

* * * * *

(a) A low power TV, TV translator, or TV booster station shall operate with a transmitter that is either type accepted for licensing under the provisions of this subpart or type notified for use under part 73 of this chapter.

* * * * *

[FR Doc. 97-12168 Filed 5-13-97; 8:45 am]

BILLING CODE 6712-01-P