

EXHIBIT 7 : FCC 2.1051 (SPURIOUS EMISSIONS AT ANTENNA TERMINALS)

Part 2.1051 Measurement of Spurious Emissions at Antenna Terminals

Part 2.947 Measurement Procedure Employed

FCC Part 2.1051 Spurious Emissions at Antenna Terminals Test:

The transceiver and associated test equipment were set up as shown in Figure 7.1 (Page 7-2). The transmitter was operated on the desired test frequencies in accordance with the procedures set forth in the Instruction Manual. The output spectrum was investigated from the lowest frequency generated in the equipment to 1000 MHz. Test frequencies were chosen to span the entire operating range of the equipment. These frequencies were 1619.0 kHz, 2182.0 kHz, 4125.0 kHz, 6215.0 kHz, 8291.0 kHz, 12290.0 kHz, 16420.0 kHz, 18840.0 kHz, 22159.0 kHz and 25115.0 kHz.

2K80J3E: The transceiver was modulated by two tones of equal amplitude, one at 400 Hz and one at 1800 Hz. The modulation level was set to the correct point to drive the transceiver up to the ALC threshold level (ALC set to 150 watts PEP), and then increased by 16 dB.

The results of the above series of tests are documented in the following series of figures. Note that each test frequency may be represented by more than one figure. The first is a wideband scan from 0 to 100 MHz. Additional very narrow scans are used where necessary to demonstrate that a given spurious signal on the wide band scan actually consists of a group of closely spaced, lower amplitude spurs. This is required in some cases because these closely spaced spurs occasionally appear as one larger spurious signal in the wide band presentation.

Listed below are the test frequencies and their related Figures:

1619.0 kHz	Figure 7.2
2182.0 kHz	Figures 7.3, 7.4, 7.5
4125.0 kHz	Figures 7.6, 7.7
6215.0 kHz	Figure 7.8
8291.0 kHz	Figures 7.9, 7.10, 7.11
12290.0 kHz	Figure 7.12
16420.0 kHz	Figure 7.13
18840.0 kHz	Figures 7.14, 7.15, 7.16
22159.0 kHz	Figures 7.17, 7.18
25115.0 kHz	Figures 7.19, 7.20

FCC 2.1041

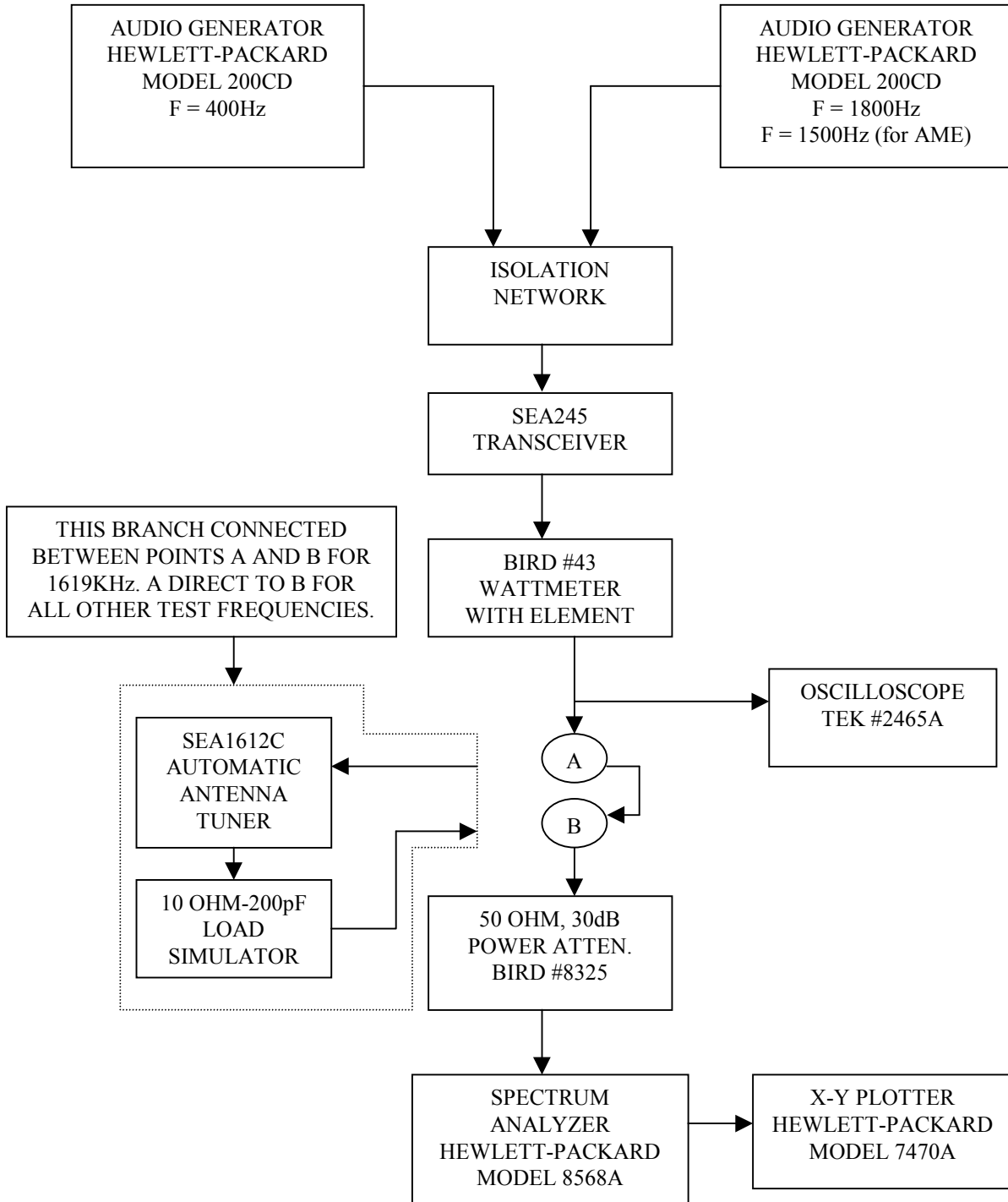


FIGURE 7.1 TEST SETUP FOR SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS IN ACCORDANCE WITH SECTION 2.1051

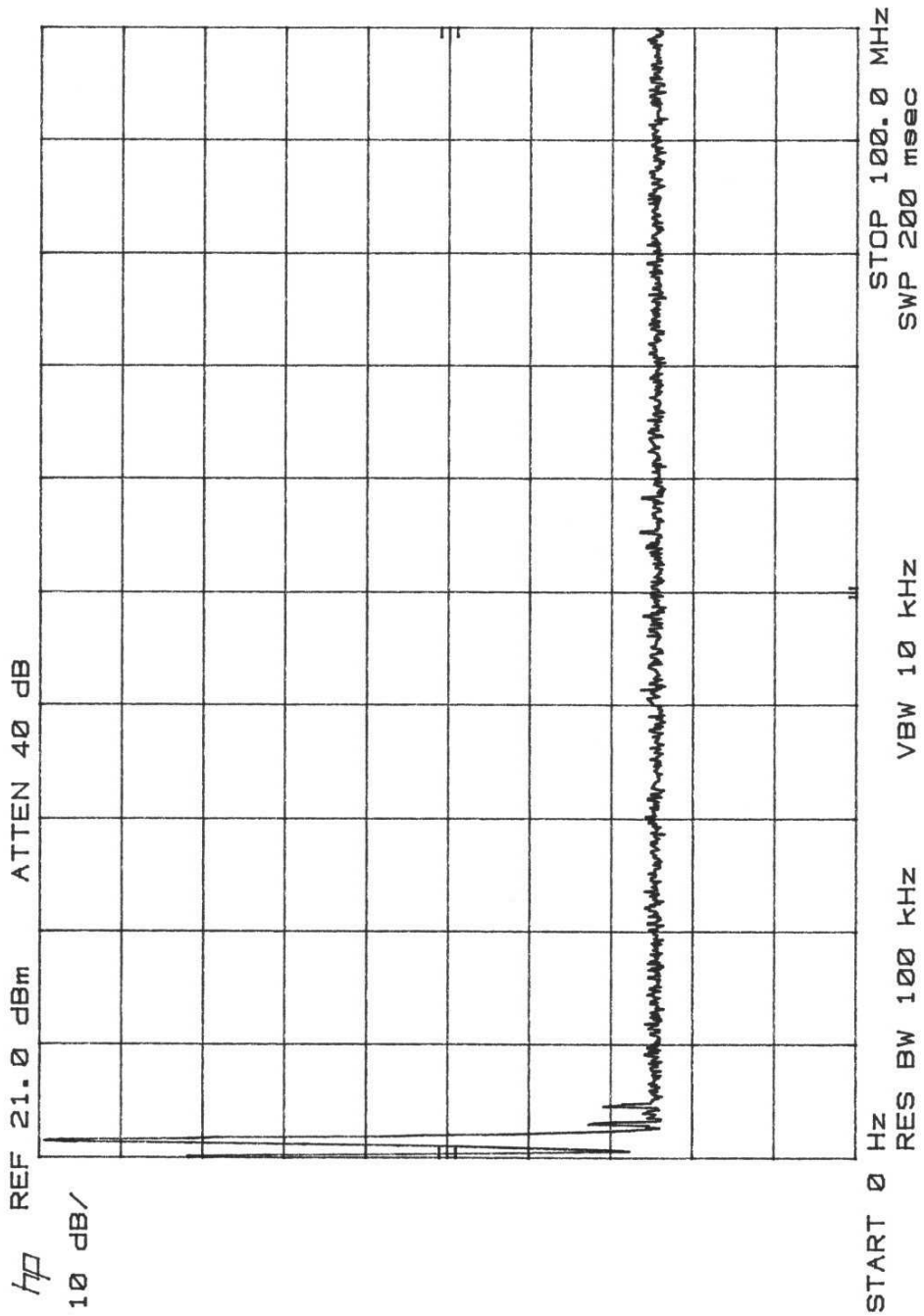


FIGURE 7.2 SPURIOUS EMISSIONS – WIDE SCAN DATA ($F_0 = 1619.0$ kHz)

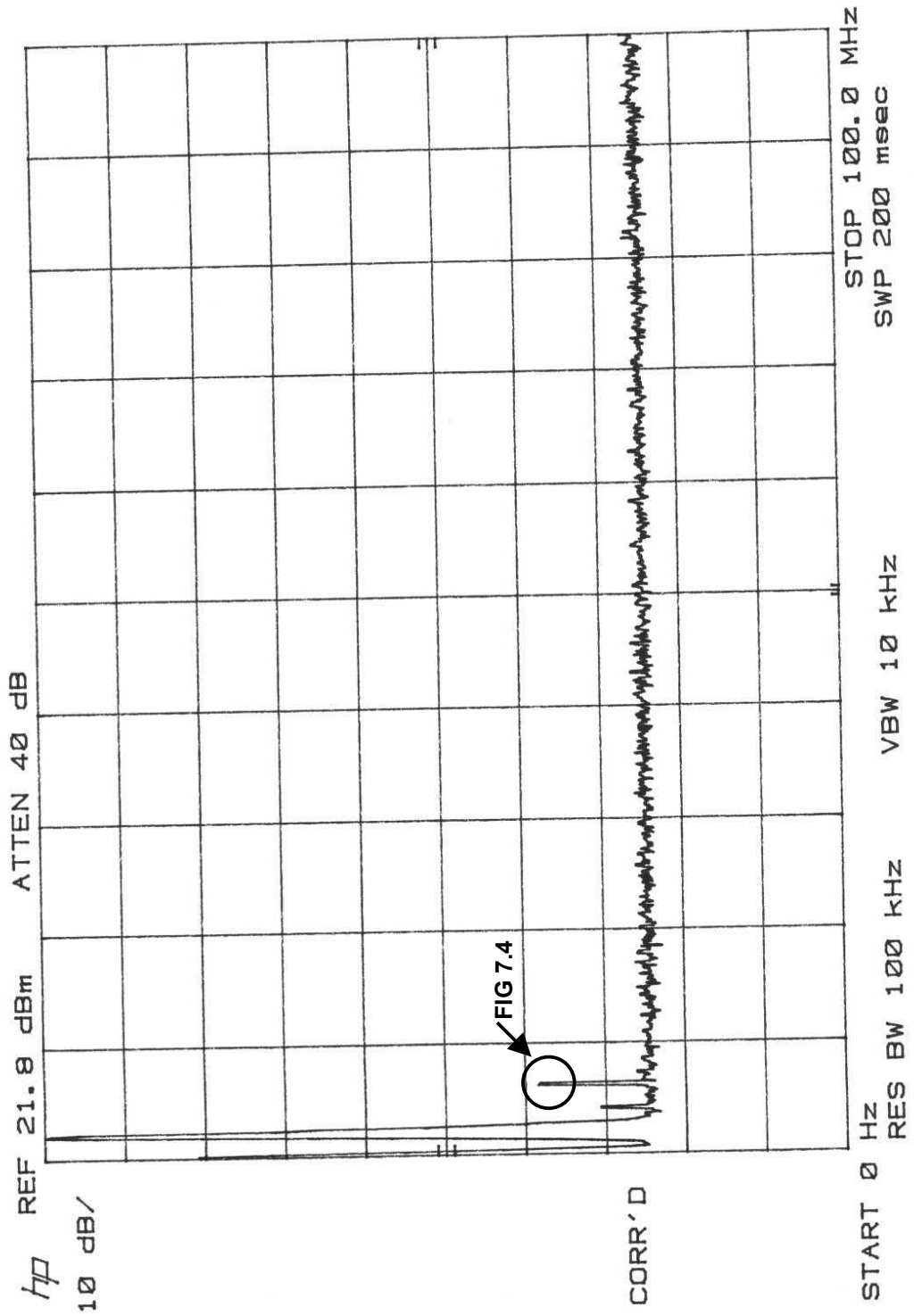


FIGURE 7.3 SPURIOUS EMISSIONS – WIDE SCAN DATA (F₀ = 2182.0 kHz)

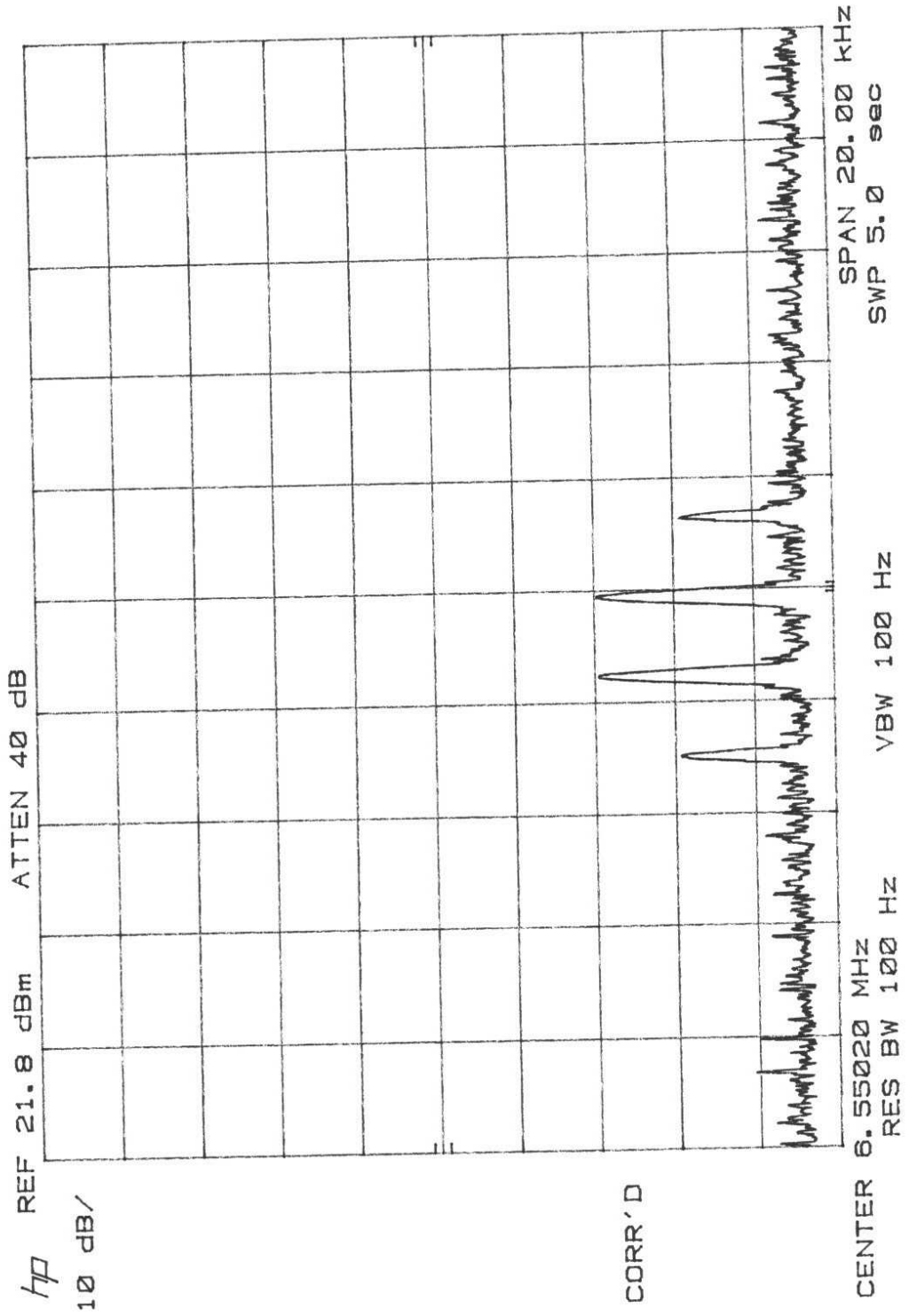


FIGURE 7.4 SPURIOUS EMISSIONS – NARROW SCAN DATA (3rd harmonic FIG. 7.3)

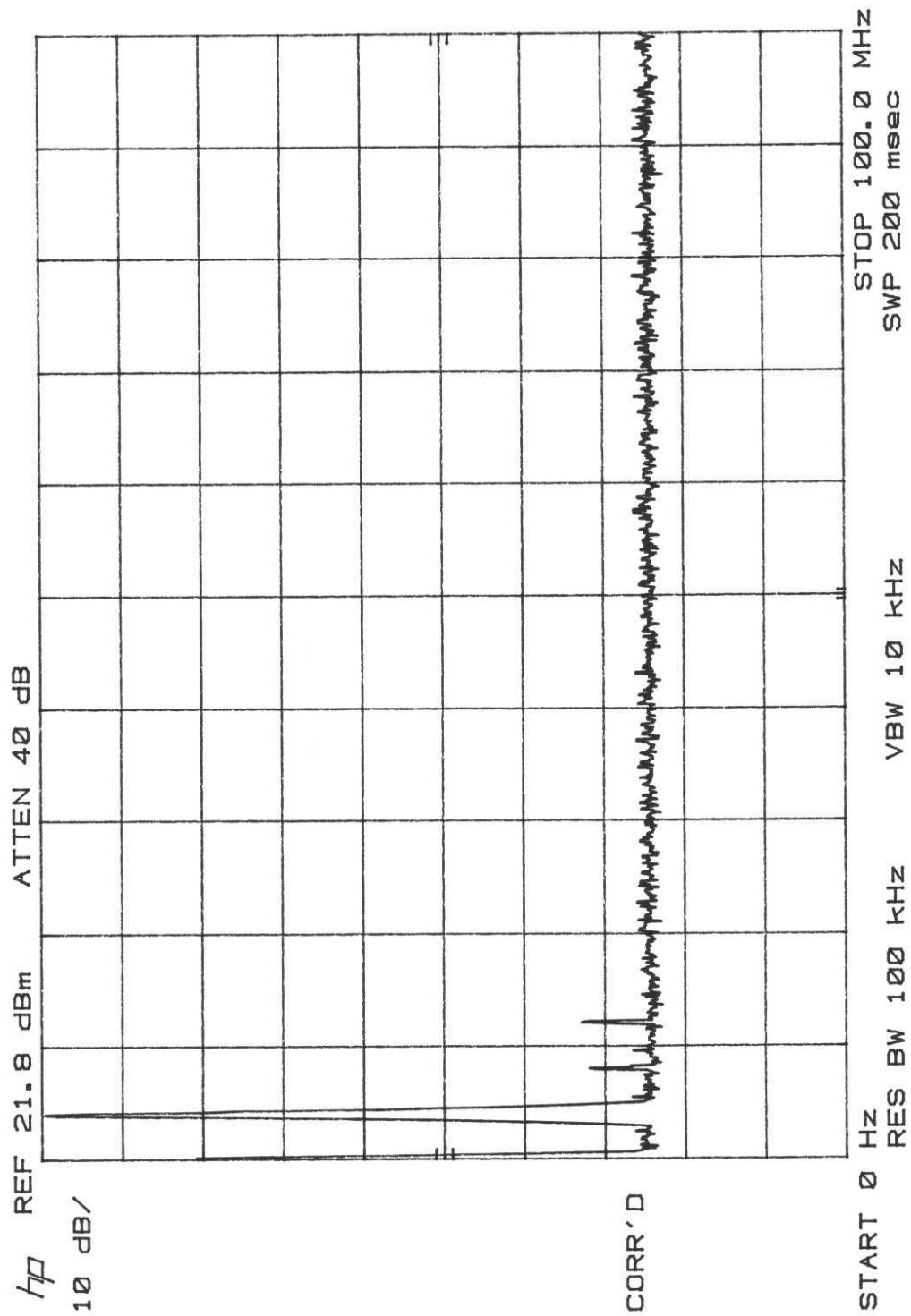


FIGURE 7.5 SPURIOUS EMISSIONS – WIDE SCAN DATA ($F_0 = 4125.0$ kHz)

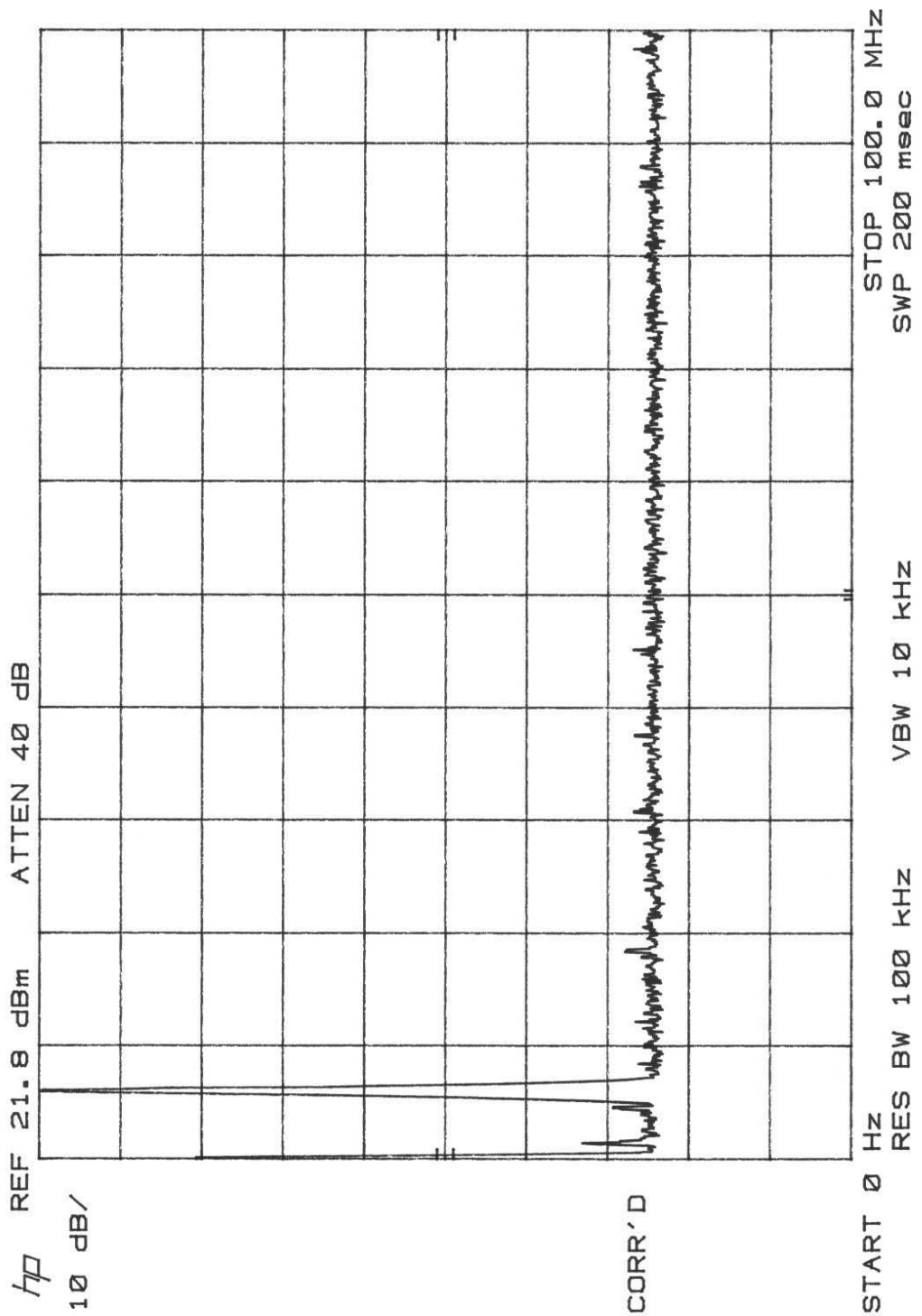


FIGURE 7.6 SPURIOUS EMISSIONS – WIDE SCAN DATA (F₀ = 6215.0 kHz)

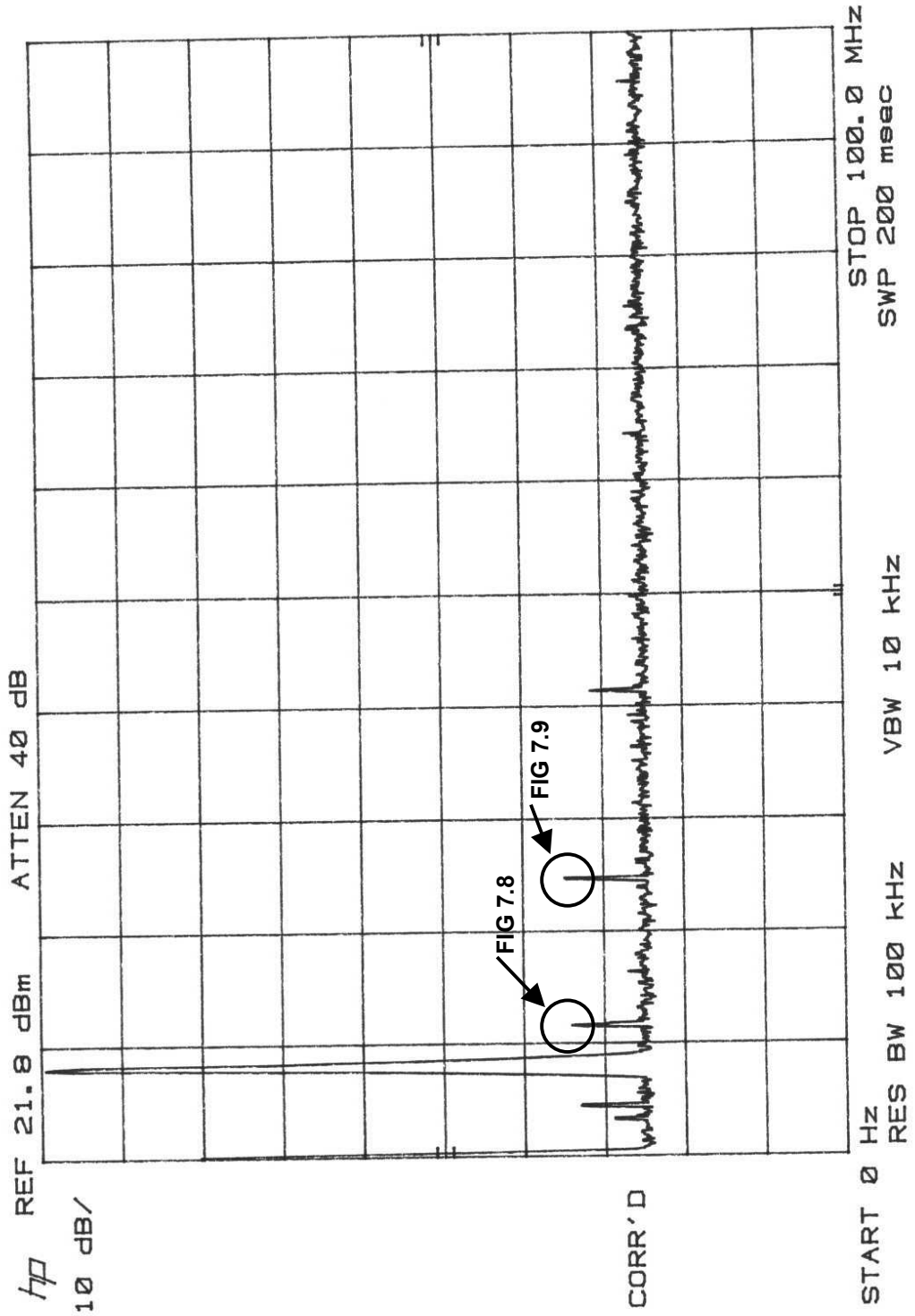


FIGURE 7.7 SPURIOUS EMISSIONS – WIDE SCAN DATA ($F_0 = 8291.0$ kHz)

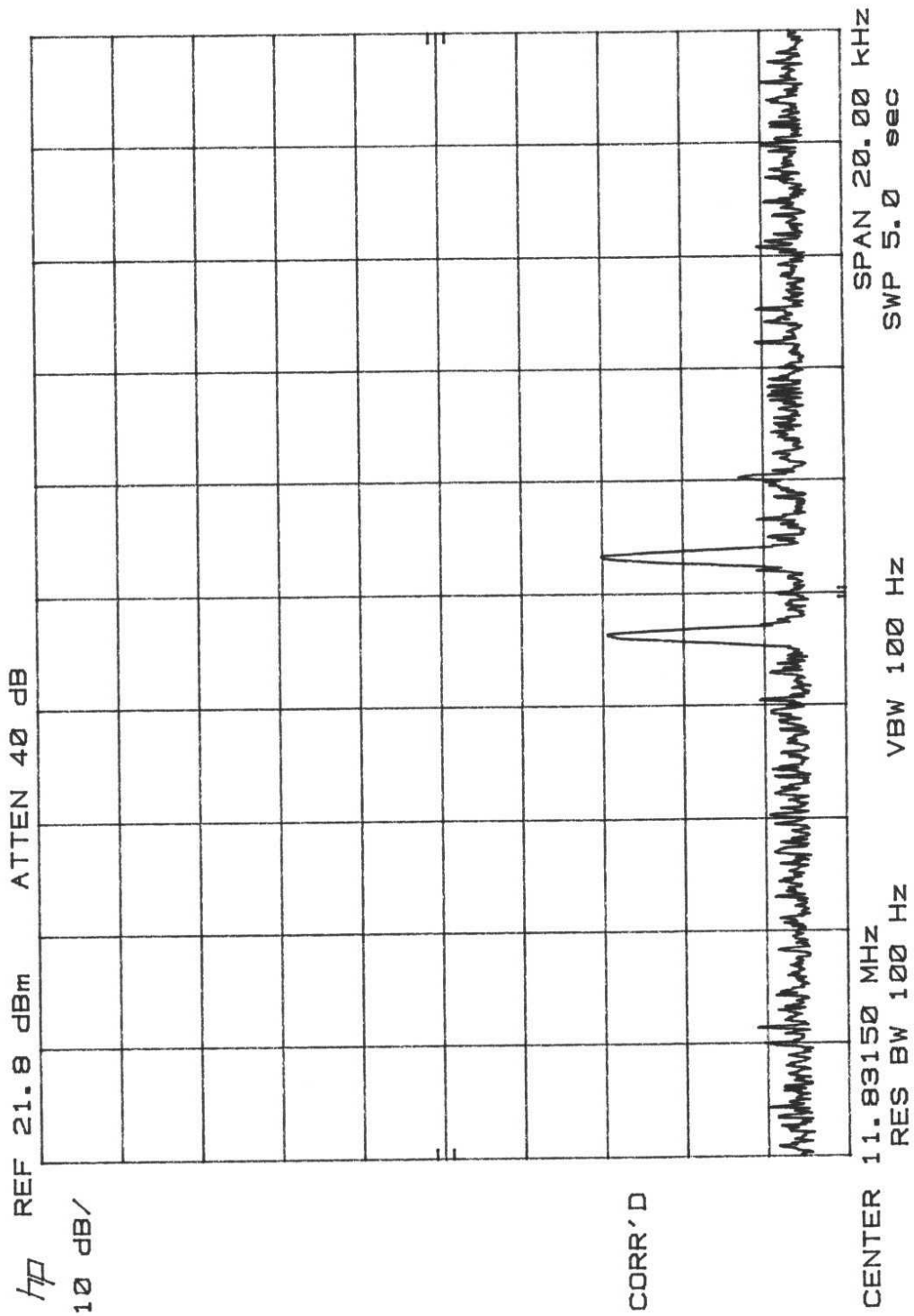


FIGURE 7.8 SPURIOUS EMISSIONS – NARROW SCAN DATA (11.8 MHz FIG. 7.7)

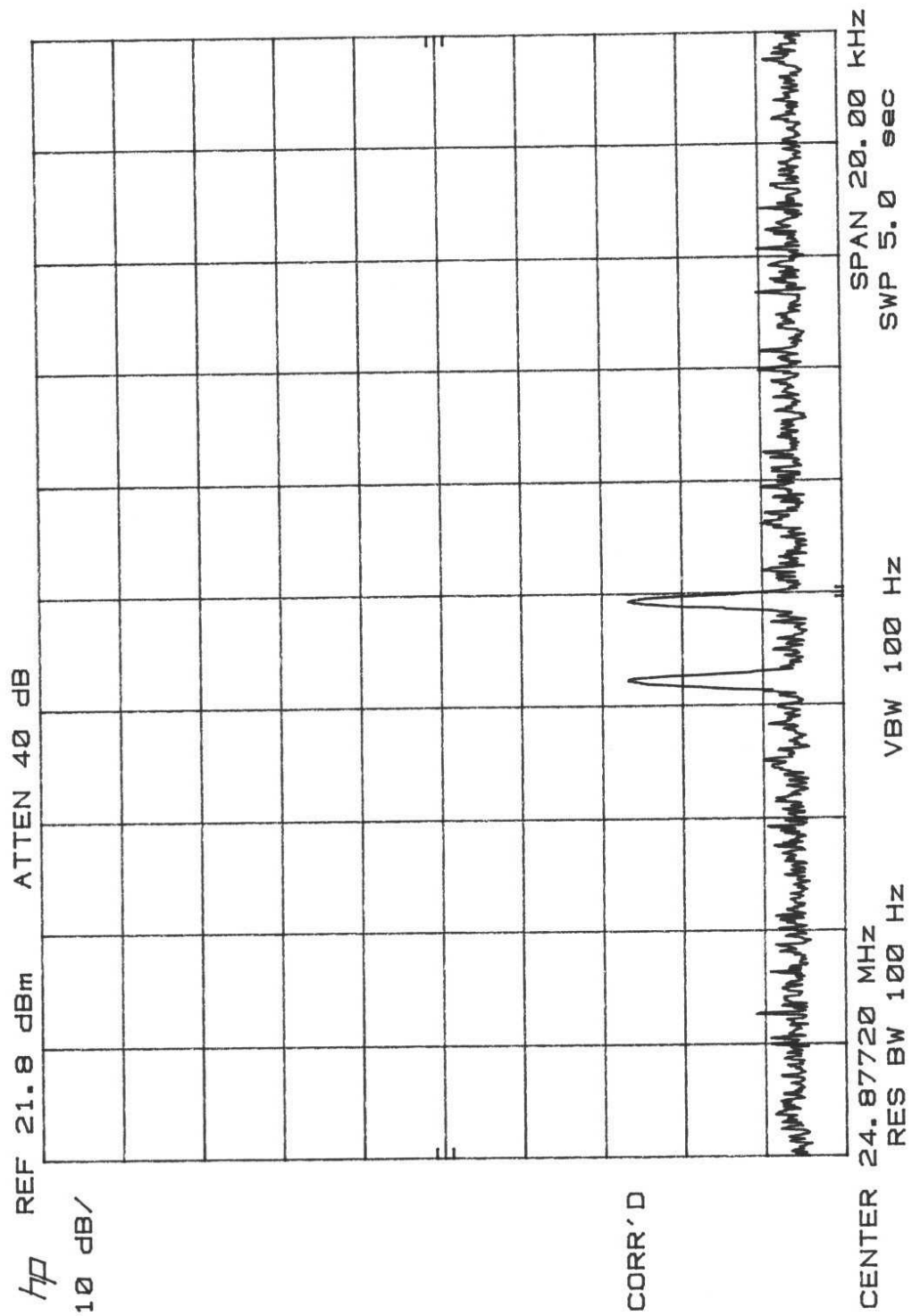


FIGURE 7.9 SPURIOUS EMISSIONS – NARROW SCAN DATA (3rd harmonic FIG. 7.7)