

IC-756Pro II S-Meter & Spectrum Scope Calibration Curves

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Introduction:

Figure 1 is a curve showing S-meter reading vs. input signal power in dBm.

Figure 2 is a curve showing the relationship between the Spectrum Scope vertical amplitude in dBr (0 dBr = top of scale) and input signal power in dBm.

Table 1 gives RF ATT setting vs. actual attenuation.

Test Setup:

IC-756Pro II S/N 26XX. Freq.: 14500.000 kHz CW. BW = 500Hz (**BPF** lit), Preamp off, ATT off, NR off, NB off, AGC FAST, Twin PBT neutral (SFT = 0), RF Gain at 100%. **HP8640B** signal generator (*checked against R&S URV4 RF millivoltmeter*), set to CW, 14500.000 kHz, LOCK on, and connected to ANT 2. ANT 1 terminated with 50 ohms. **Note:** -73 dBm = 50 μ V in 50 Ω .

Figure 1: S-meter reading (X) vs. RF input power (Y).

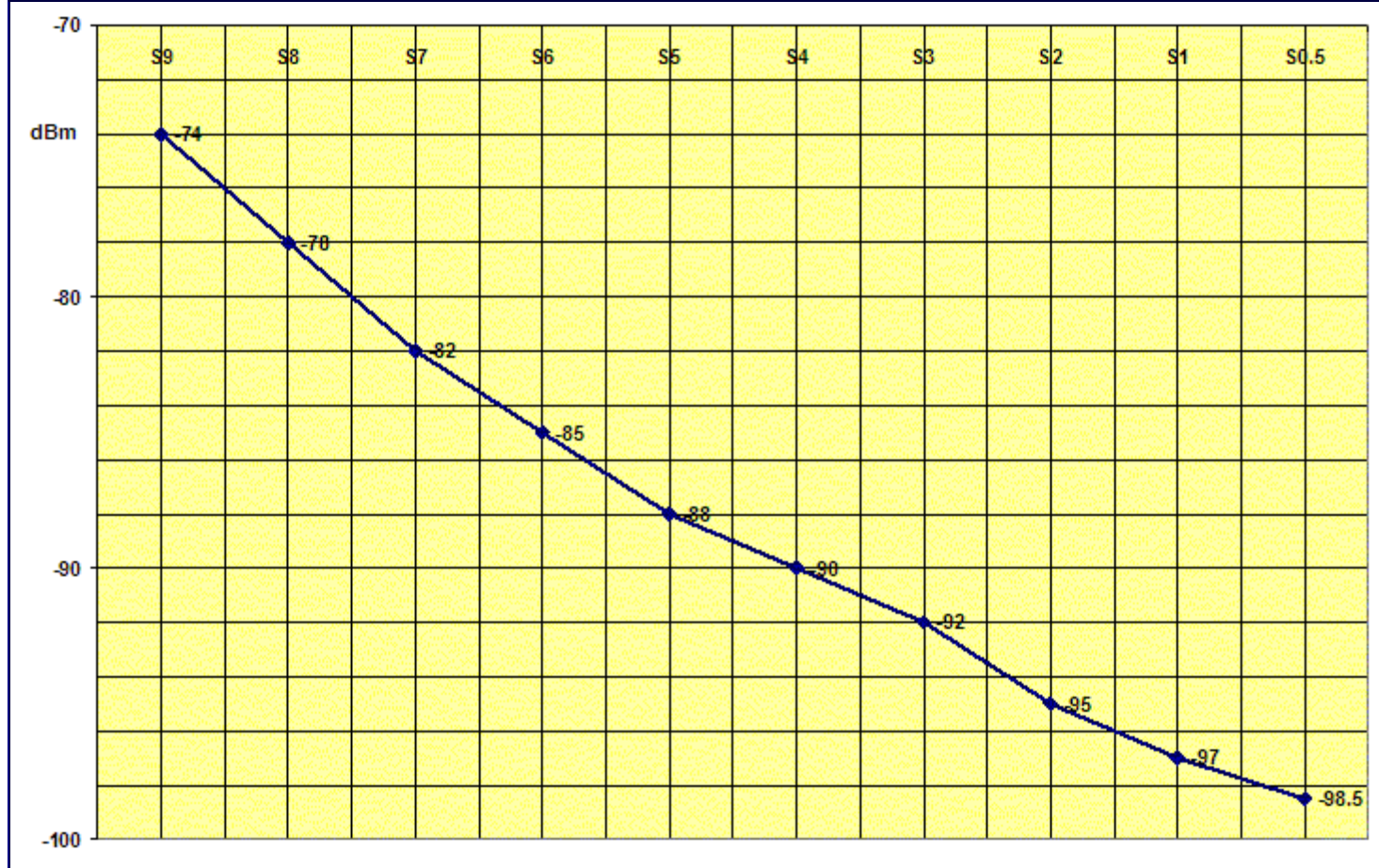


Figure 2: Spectrum Scope relative vertical amplitude (X) vs. RF input power (Y).

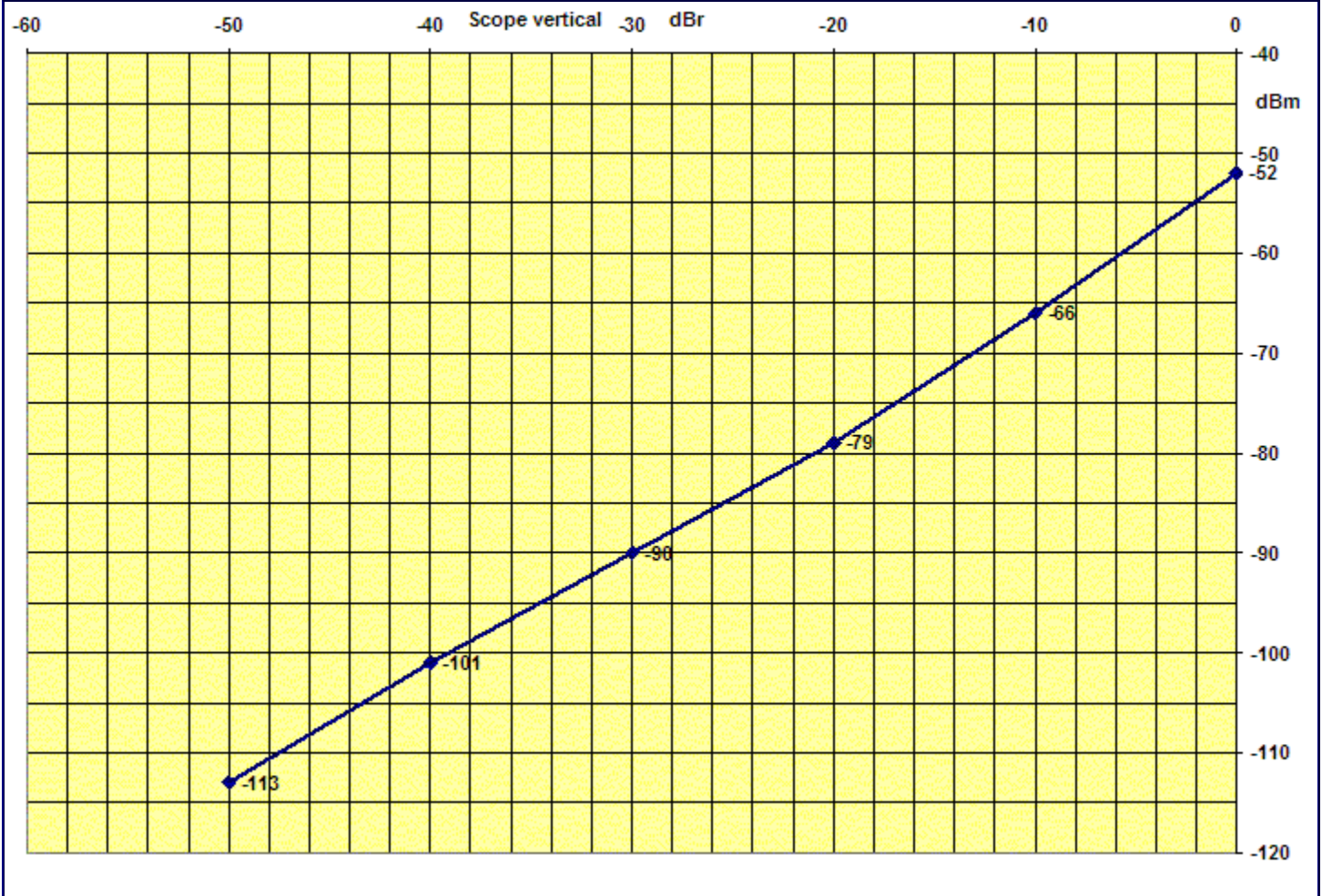


Table 1: RF ATT values.

ATT setting dB	Atten. dB
0	0
6	7
12	13
18	19.5