

14. Power Output 47 CFR 2.1046

For the FCC Part 2.1046 measurement, the output of the selected sample was connected via a short jumper cable from the directional coupler, through a 40 dB Attenuator to the input of the HP E4407B Spectrum Analyzer. The unit was configured to run in a normal continuous transmit mode, while being supplied with an FM modulated signal (2.5 KHz at 3 KHz deviation) as a modulation source. The input signal was set for an input frequency of about 3 MHz above or below the channel output signal, as programmed into each of the three samples. The HP receiver was set to a 3 MHz Bandwidth, and the resultant signal was then stored, with the peak signal level stored. This power level was collected for three channels and can be seen in the chart presented below.

CHANNEL	CENTER FREQ (MHz)	MEASURED POWER (dBm)
Low	151.49	33.1
Middle	162.00	32.3
High	173.52	32.9

View of Test Setup During the Conducted RF measurements;

