The test report contains RMS channel power measurements for WiMAX equipment.

To comply with the requirements of FCC 27.50, output power is expressed as power spectral density in dBm/MHz, using a Peak detector.

The following table shows a calculation of total peak power for FCC certification, using the equation:

$$\Delta \text{ dB} = 10 \log (\text{Channel BW} / \text{Measured BW})$$

5 MHz channel:

Actual measured bandwidth	Measurement bandwidth	Δ dB	Peak Power in 1 MHz	Total Peak Power in channel
4.569 MHz	1.0 MHz	6.6 dB	38.5 dBm	45.1 dBm

10 MHz channel:

Actual measured bandwidth	Measurement bandwidth	Δ dB	Peak Power in 1 MHz	Total Peak Power in channel
9.259 MHz	1 MHz	9.7 dB	35.4 dBm	45.1 dBm