

## **TEST PROCEDURE FOR AVERAGING ABOVE 1 GHz**

For our average measurements above 1 GHz, the emission was maximized by rotating the table 360 degrees and varying the antenna height from 1 to 4 meters. Since the frequency was above 1 GHz, the antenna was gun-sighted when the height was increasing or decreasing.

The Spectrum Analyzer settings were as follows:

Resolution Bandwidth (RBW) and Video Bandwidth (VBW) = 1 MHz

Sweep time = 20 mS

Frequency Span = 10 MHz

Frequency Scale = LOG

Once the signal was maximized, the portion of the harmonic or signal that had the highest amplitude was selected and the frequency span was decreased to at least 100 kHz to encompass the highest amplitude and the surrounding roll off of the signal. To perform the average measurement, the frequency scale was changed to LINEAR, the VBW was reduced to 10 Hz and the sweep time was increased to 50 seconds. After the sweep was complete a peak search function was used to determine the highest average emissions.

## **TYPE OF MODULATION**

The EUT uses FSK type modulation.