

## **Transmit Mode Radiated Emissions –**

In accordance with 15.247. The plots indicated the peak measurements against the appropriate QP or Average limit. Data is taken for both peak and QP, or peak and Average. Data collected at the fundamental frequency was collected for reference only.

Pages 1-8 represent radiated emissions data taken during Channel 1 transmission of an alternating 1's and 0's pattern. The minimum passing QP margin for Channel 1 was 9.1 dB @ 45.24 MHz. The minimum passing AV margin for Channel 1 was 7.6 @ 4824 MHz.

Pages 16-23 represent radiated emissions data taken during Channel 5 transmission of an alternating 1's and 0's pattern. The minimum passing QP margin for Channel 5 was 7.8 dB @ 45.18 MHz. The minimum passing AV margin for Channel 5 was 7.4 @ 4864 MHz.

Pages 29-36 represent radiated emissions data taken during Channel 11 transmission of an alternating 1's and 0's pattern. The minimum passing QP margin for Channel 11 was 7.6 dB @ 45.18 MHz. The minimum passing AV margin for Channel 11 was 9.6 @ 4924 MHz.

## **Output Power –**

In accordance with 2.1046 and 15.247. Peak output power was measured in to a nominal 50 ohm load impedance.

Page 9 represents data for channel 1 and the measured output power was 6.82 dBm. Page 25 represents data for channel 5 and the measured output power was 5.19 dBm. Page 38 represents data for channel 11 and the measured output power was 7.15 dBm.

## **Power Spectral Density –**

In accordance with 15.247 and measured directly at the antenna output port in to a nominal 50 ohm load impedance.

Page 10 represents data for channel 1 and the measured peak PSD was -10.97 dBm which is well below the requirement of +8 dBm. Page 26 represents data for channel 5 and the measured peak PSD was -11.4 dBm which is well below the requirement of +8 dBm. Page 39 represents data for channel 11 and the measured peak PSD was -11.8, which is well below the requirement of +8 dBm.

## **6 dB Bandwidth –**

In accordance with 15.247. The measured 6 dB bandwidth is much greater than the 500 kHz requirement.

Page 11 and 12 represent data for channel 1. Pages 24 and 28 represent data for channel 5. Pages 37 and 43 represent data for channel 11.

## **Occupied Bandwidth –**

Pages 13, 27 and 42 represent occupied bandwidth measurements for channels 1, 5, and 11 respectively. Measured in accordance with 2.1049 and ANSI C63.4.

## **Spurious Emissions at Antenna Terminal –**

In accordance with 2.1051. Pages 14 and 15 represent data for channel 1. Pages 40 and 41 represent data for channel 11.

## Response to TCB comments

Comment #11 & #12.

The fundamental was measured for reference only. All other peaks are well below the requirements and average data passes with more than 6 db of margin across the entire measurement spectrum.

Comment #13 & 14.

Reference above text.

Comment #15 & 16.

ERP has been recalculated and represented in a more concise and clear manner. See new calculations.