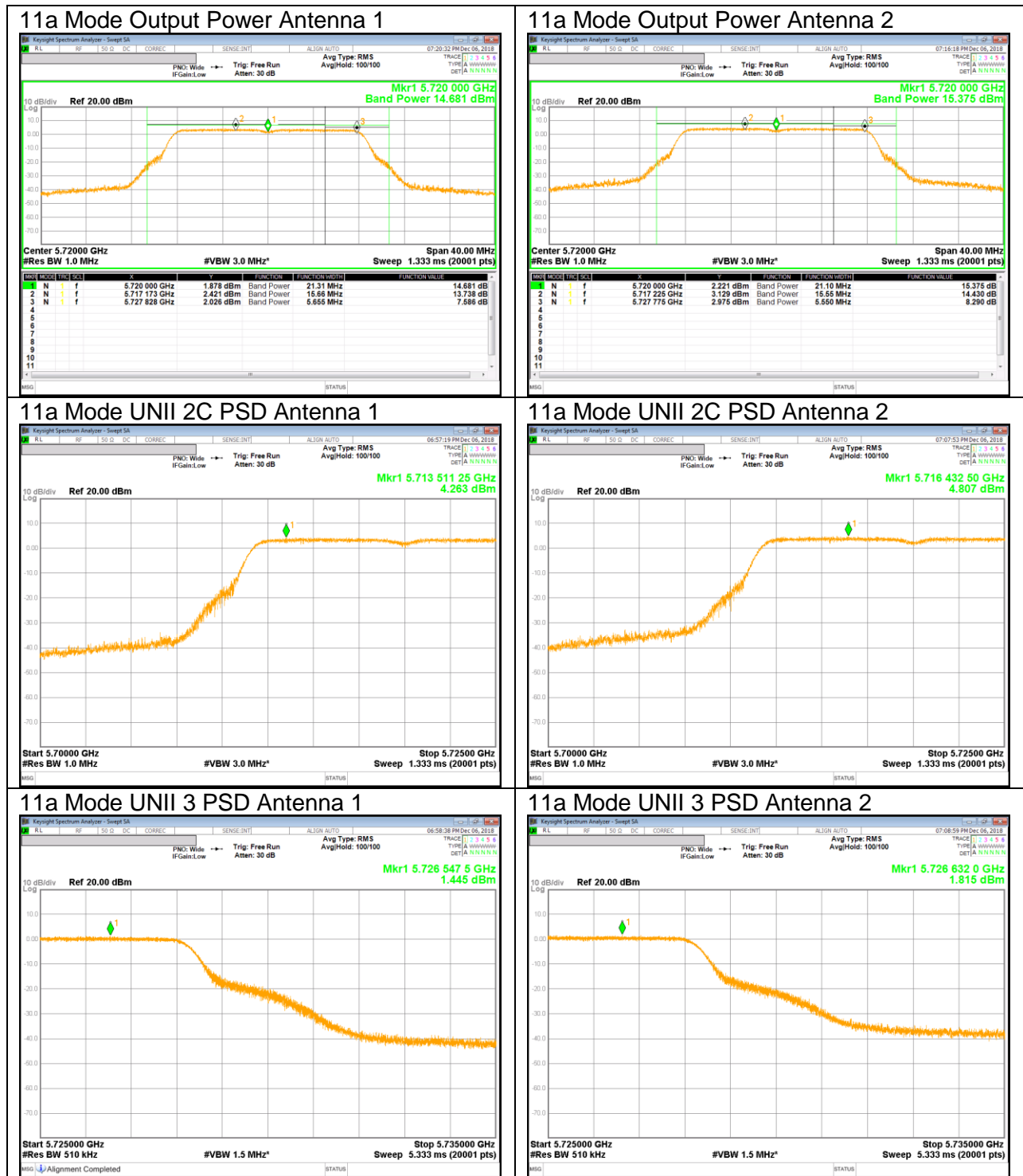
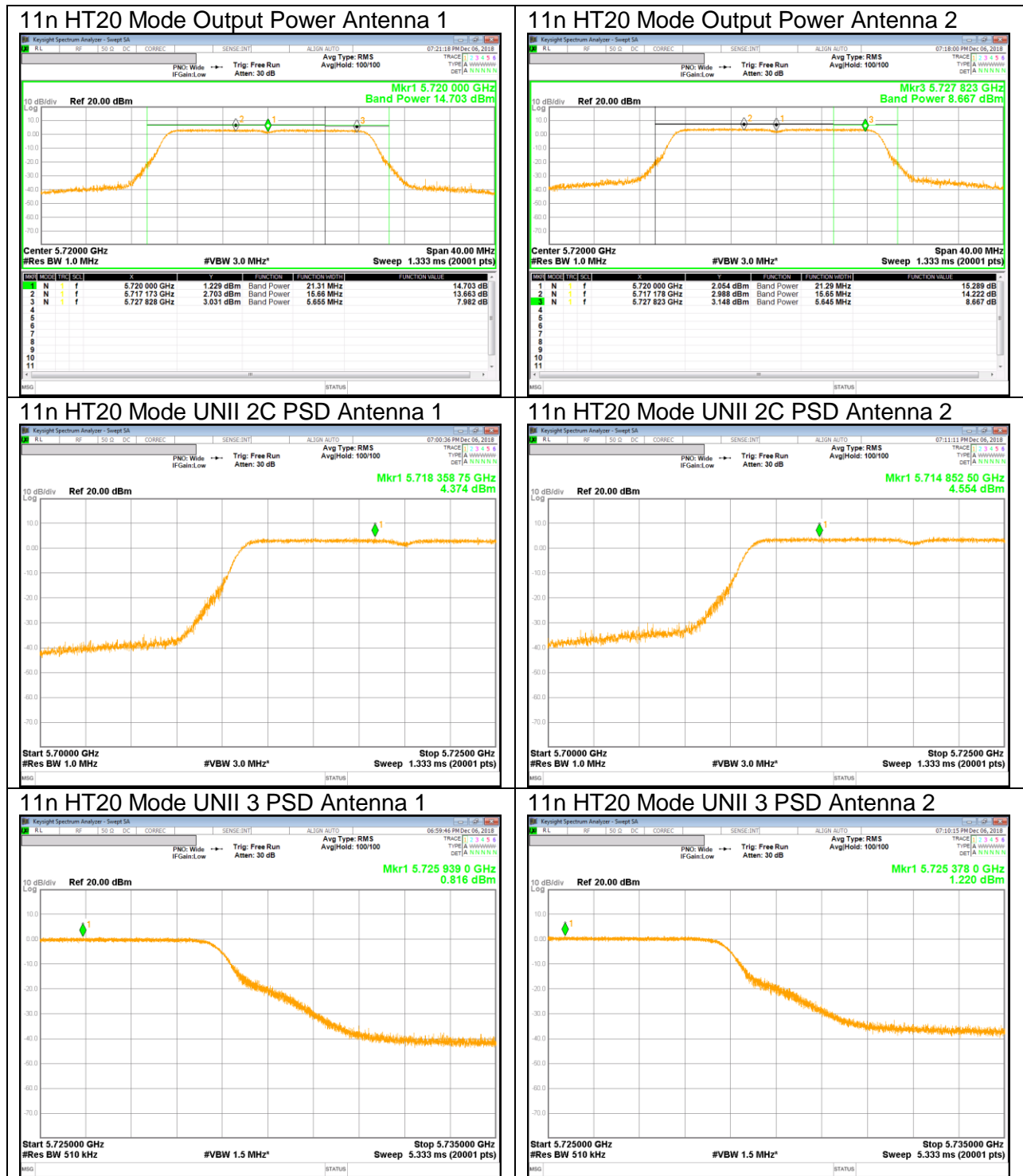


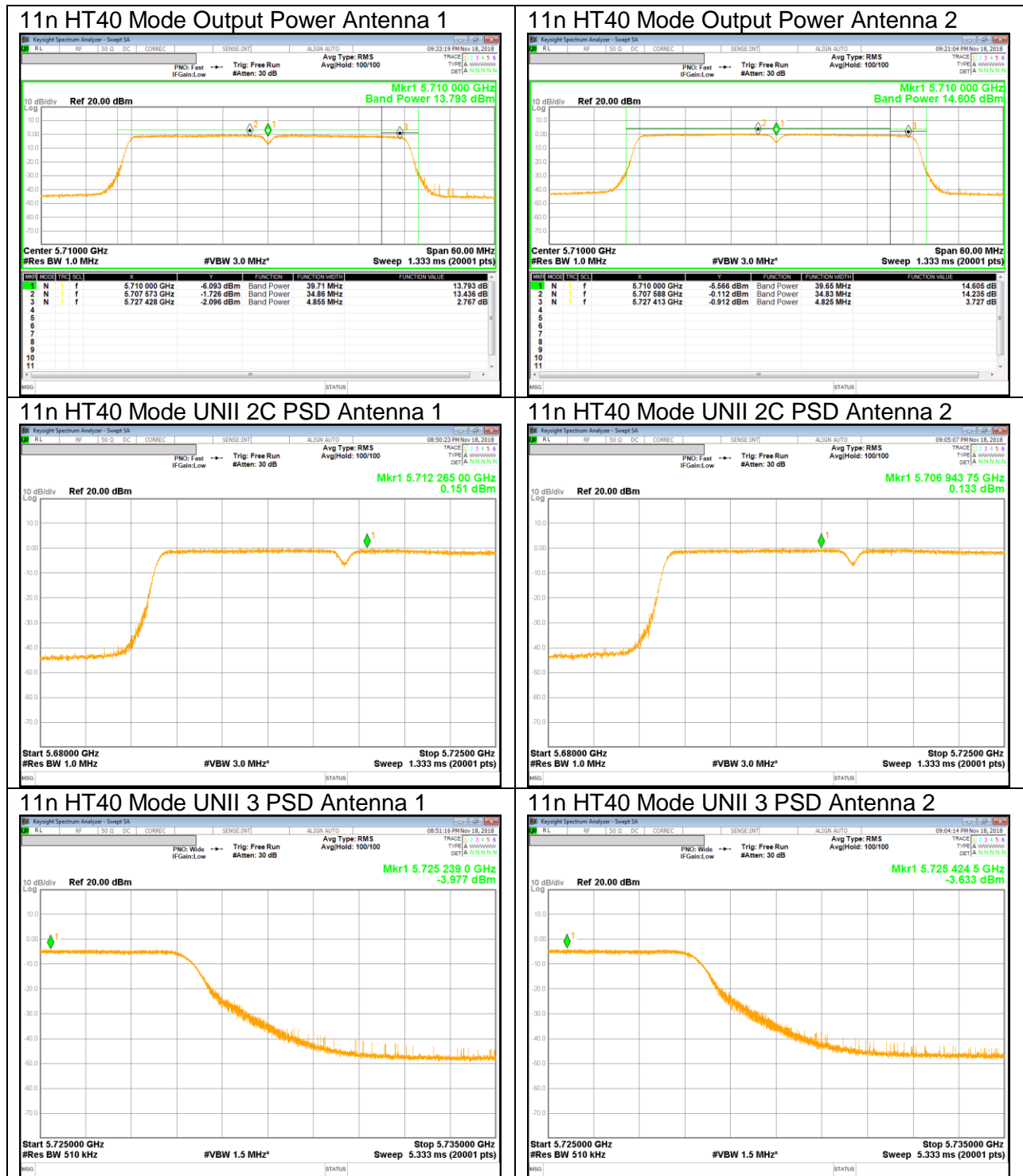
UNII Straddle Ch. IEEE 802.11a mode Ourput Power and PSD



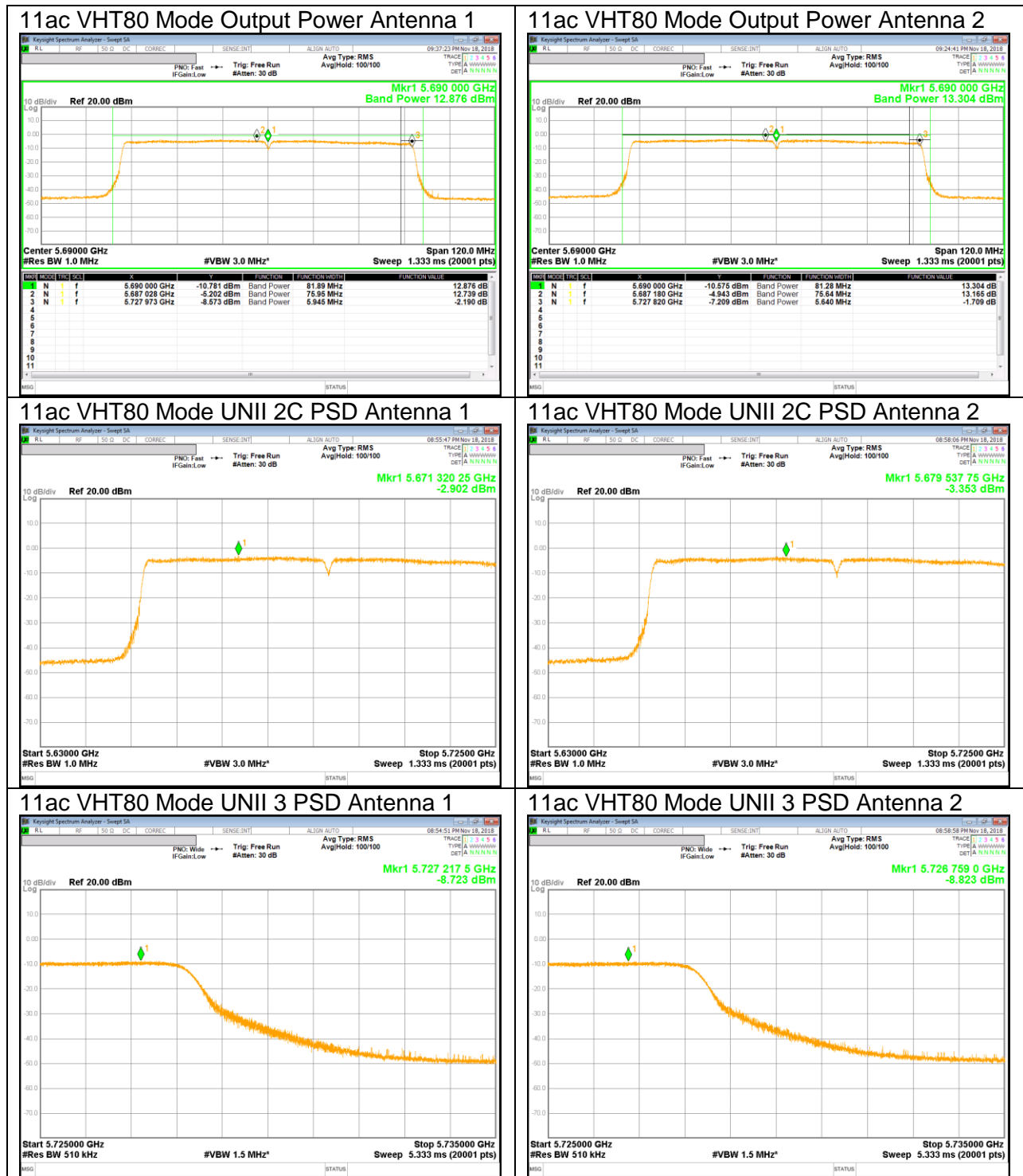
UNII Straddle Ch. IEEE 802.11n HT20 mode Ourput Power and PSD



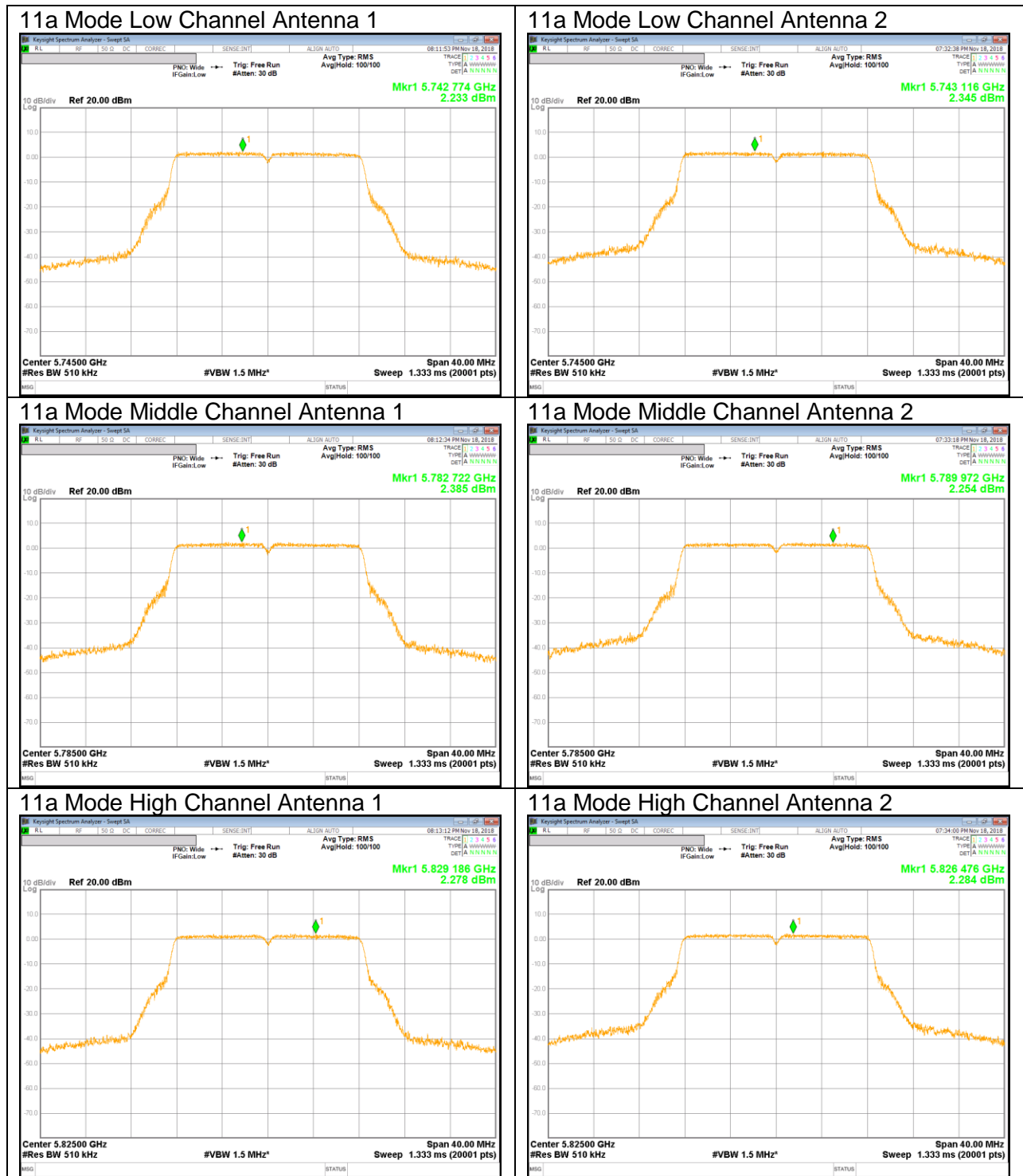
UNII Straddle Ch. IEEE 802.11n HT40 mode Ourput Power and PSD



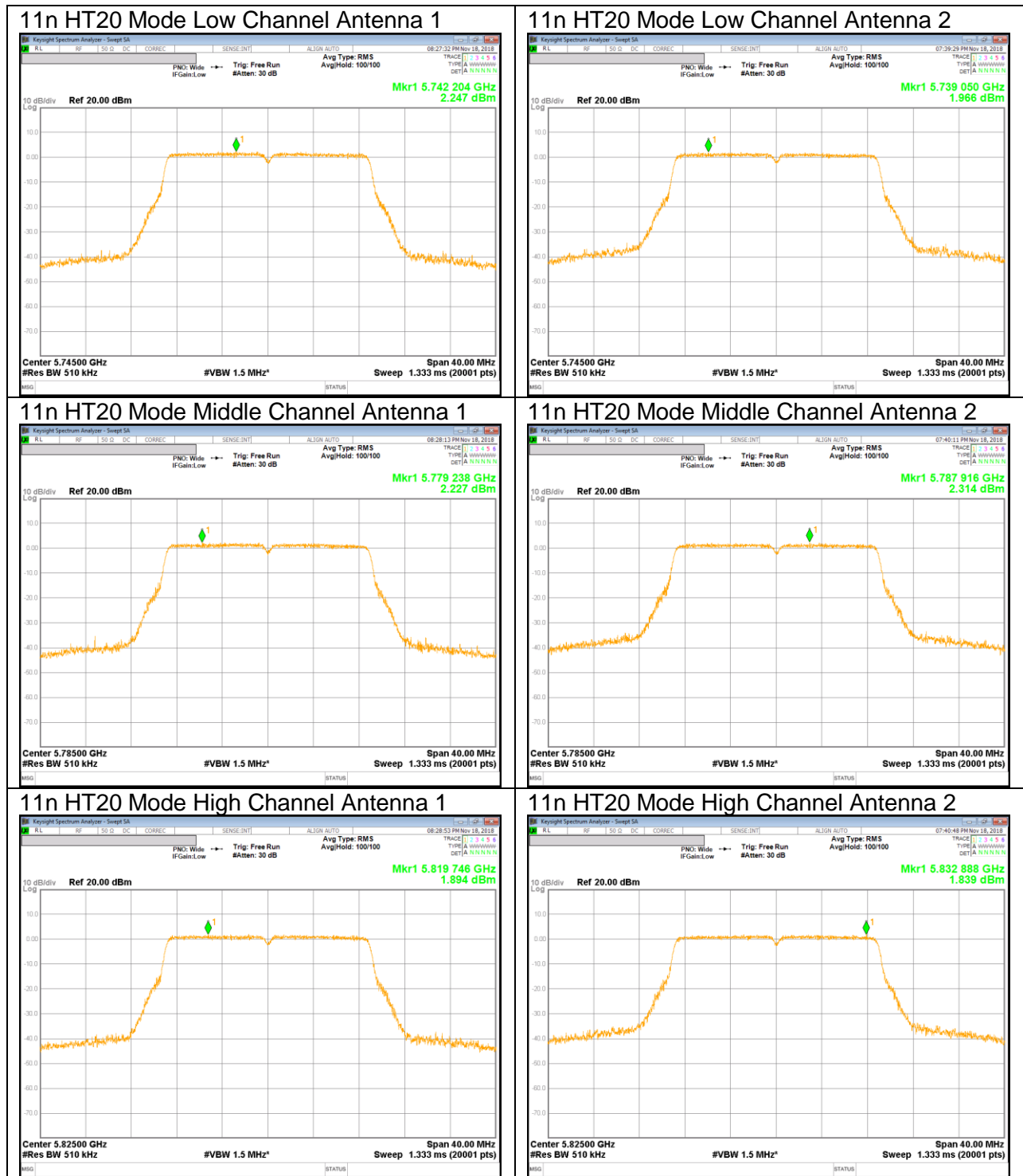
UNII Straddle Ch. IEEE 802.11ac VHT80 mode Ourput Power and PSD



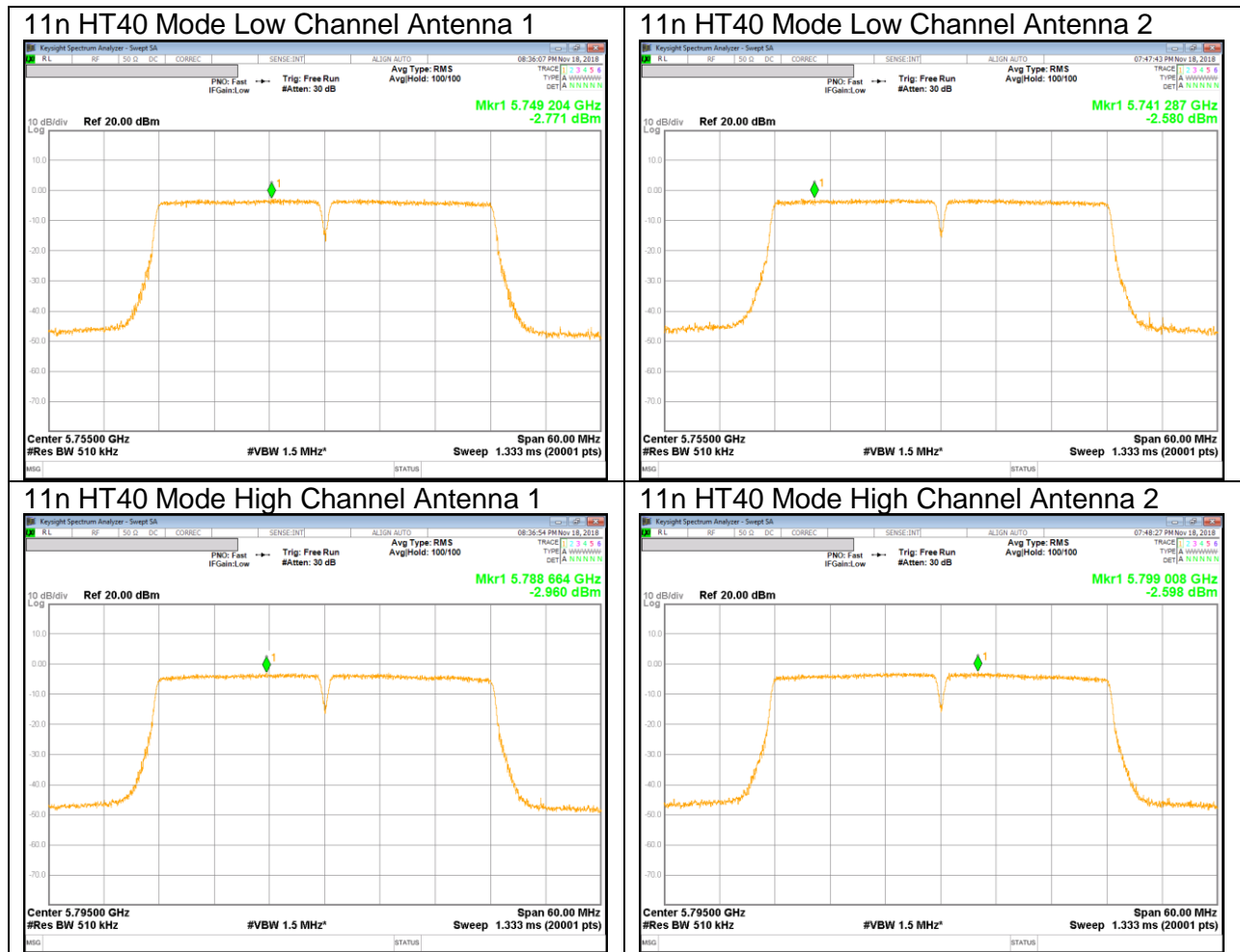
UNII 5.8 GHz IEEE 802.11a mode PSD



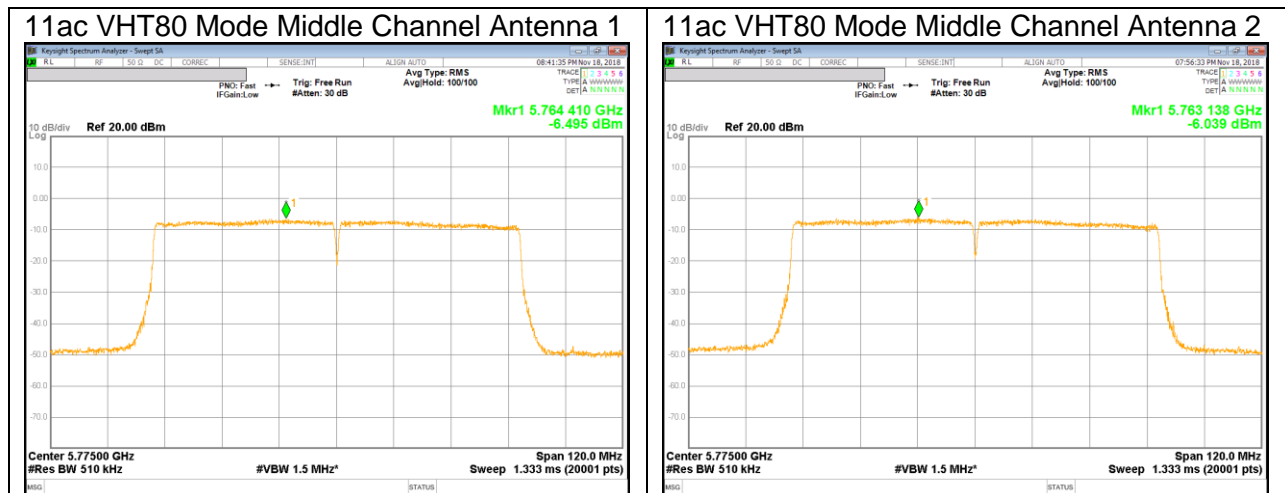
UNII 5.8 GHz IEEE 802.11n HT20 mode mode PSD



UNII 5.8 GHz IEEE 802.11n HT40 mode mode PSD



UNII 5.8 GHz IEEE 802.11ac VHT80 mode mode PSD



11. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits (µV/m)	Measurement Distance (m)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 – 88	100**	3
88 - 216	150**	3
216 – 960	200**	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

FCC §15.407 (b)

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

Note

- Limit translation to field strength level (FCC §15.407)

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 = -27\text{dBm} + 95.2 = 68.2\text{dBuV/m}$$

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 = -17\text{dBm} + 95.2 = 78.2\text{dBuV/m}$$

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

Reference to KDB 789033 D02 v02r01 UNII part G) 6) c) Method AD:

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor to the reading offset for average measurements.

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

The spectrum from 1GHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note : Emission was pre-scanned from 9KHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).

Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.

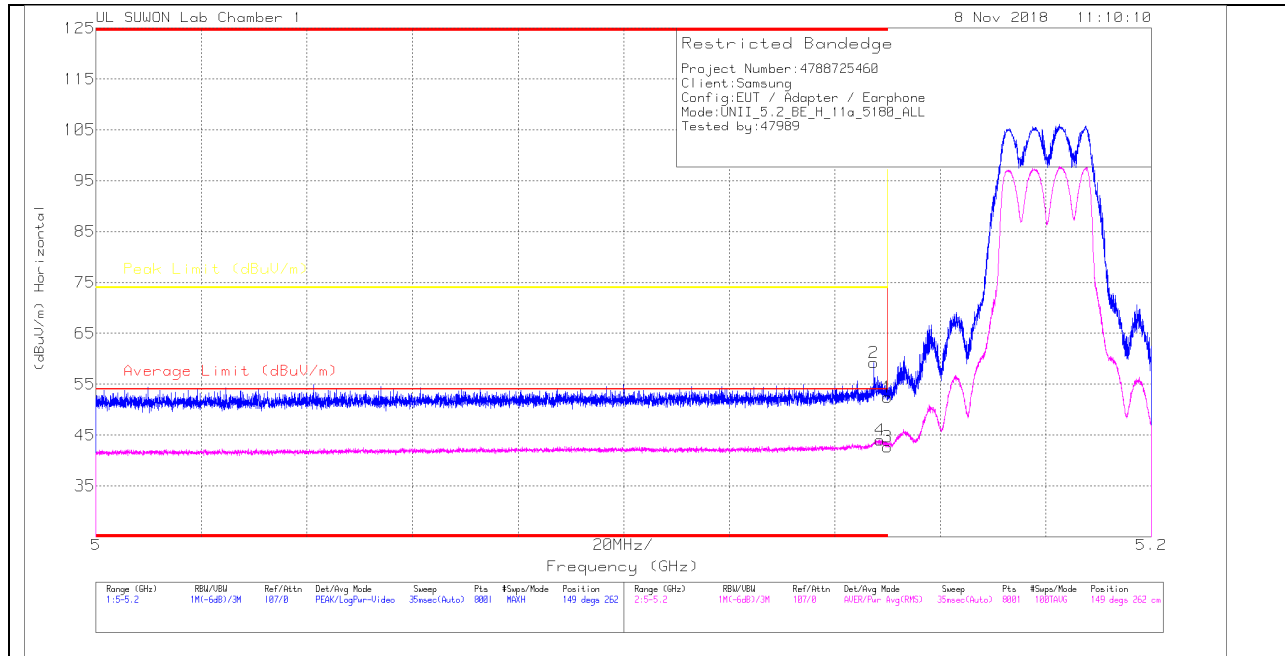
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

11.1. 5.2 GHz

11.1.1. TX Above 1GHz 802.11a 2Tx CDD MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

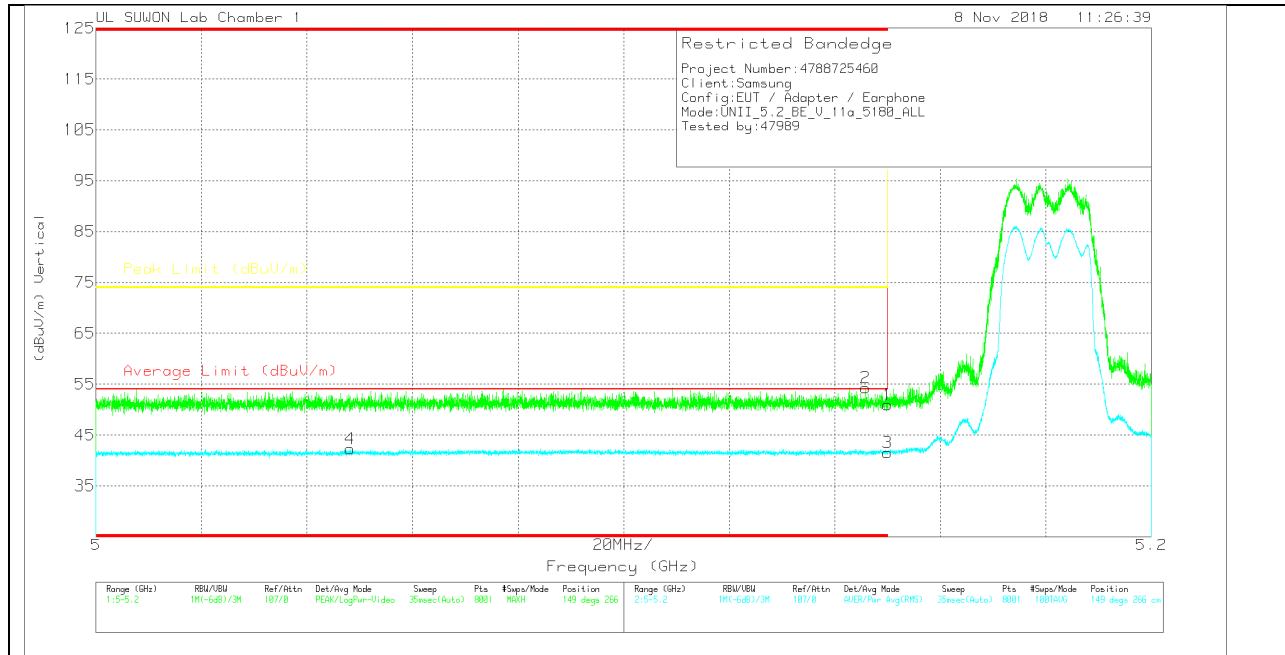
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.15	39.7	Pk	34.5	-21.8	0	52.4	-	-	74	-21.6	149	262	H
2	* 5.147	46.66	Pk	34.4	-21.8	0	59.26	-	-	74	-14.74	149	262	H
3	5.15	30.19	RMS	34.5	-22	0	42.69	54	-11.31	-	-	149	262	H
4	* 5.149	31.57	RMS	34.4	-22	0	43.97	54	-10.03	-	-	149	262	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	38.27	Pk	34.5	-21.8	0	50.97	-	-	74	-23.03	149	266	V
2	* 5.146	41.73	Pk	34.4	-21.8	0	54.33	-	-	74	-19.67	149	266	V
3	5.15	29.07	RMS	34.5	-22	0	41.57	54	-12.43	-	-	149	266	V
4	* 5.048	29.78	RMS	34.3	-21.8	0	42.28	54	-11.72	-	-	149	266	V

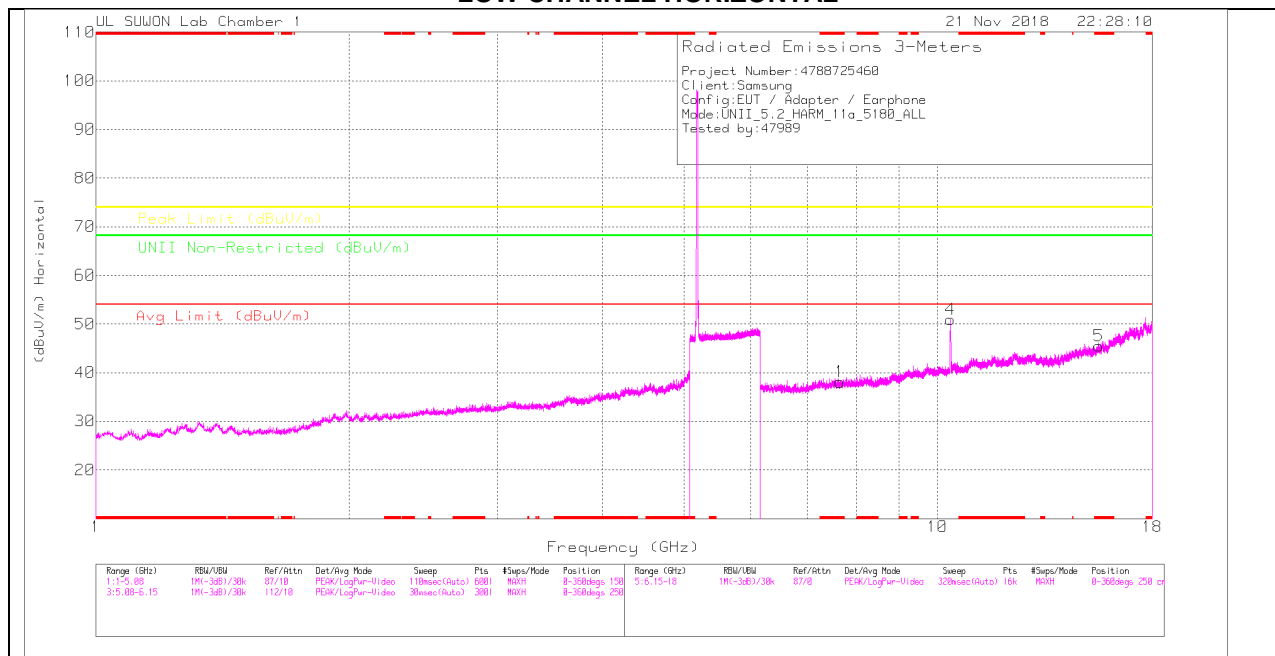
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

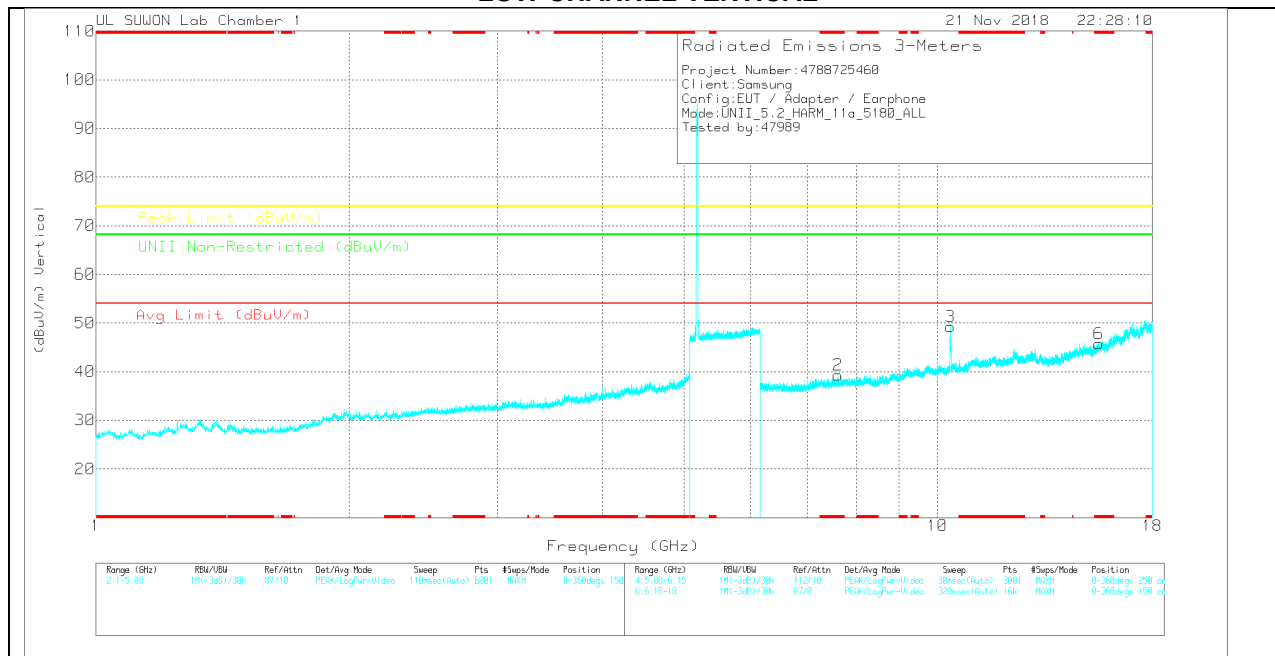
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 7.658	29.17	PK	35.8	-26.9	0	38.07	-	-	74	-35.93	-	-	0-360	150	H
4	10.359	35.62	PK	37.6	-22.3	0	50.92	-	-	-	-	68.2	-17.28	0-360	250	H
5	* 15.542	26.11	PK	40.2	-20.8	0	45.51	-	-	74	-28.49	-	-	0-360	250	H
2	* 7.615	30.04	PK	35.8	-26.6	0	39.24	-	-	74	-34.76	-	-	0-360	150	V
3	10.366	33.89	PK	37.6	-22.2	0	49.29	-	-	-	-	68.2	-18.91	0-360	250	V
6	* 15.541	26.35	PK	40.2	-20.8	0	45.75	-	-	74	-28.25	-	-	0-360	250	V

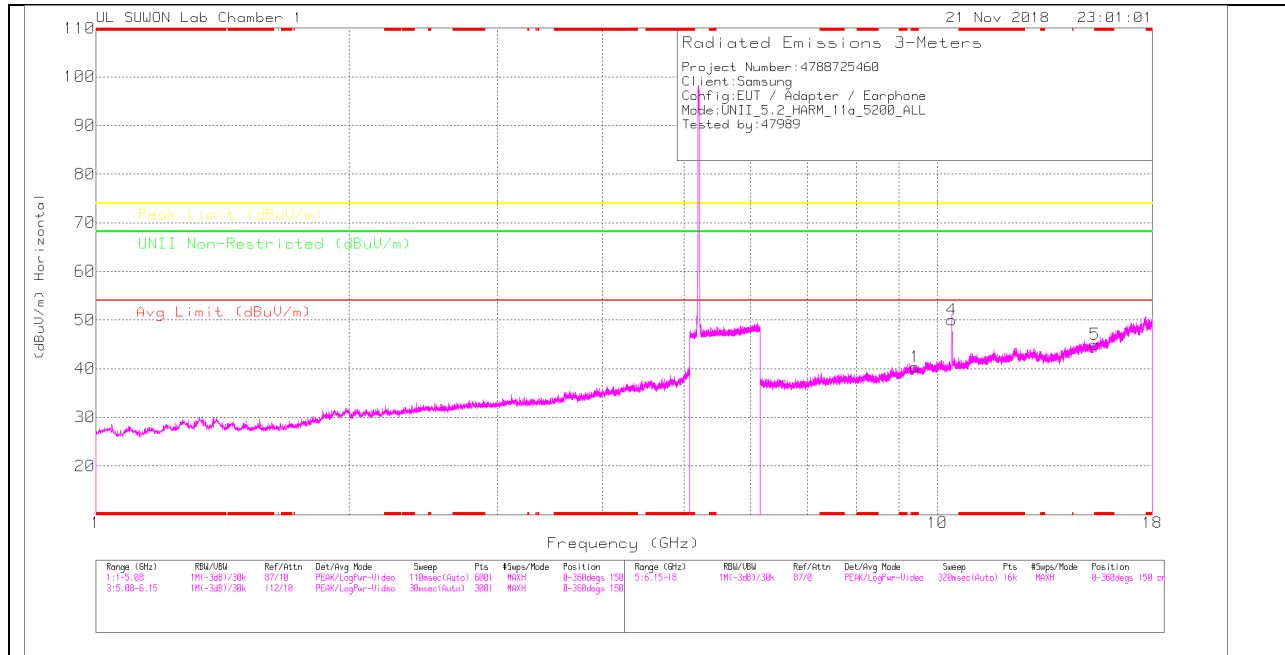
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

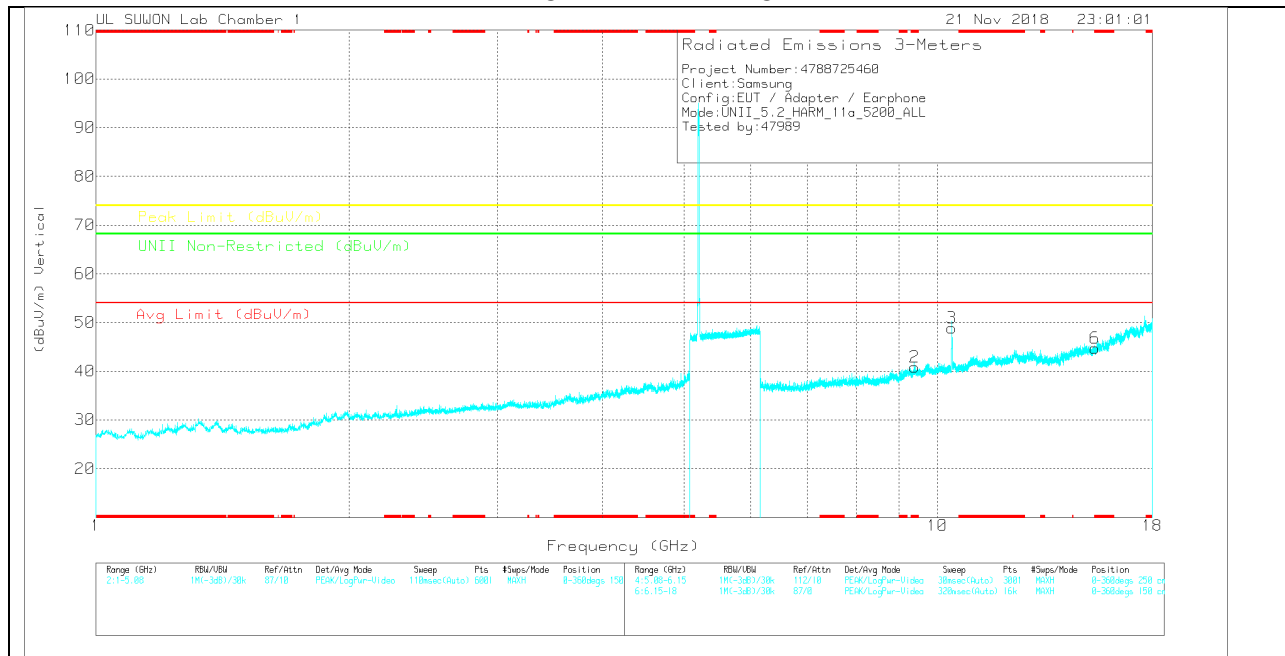
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.366	48.35	PK-U	37.6	-22.3	0	63.65	-	-	-	-	68.2	-4.55	241	232	H
10.366	45.17	PK-U	37.6	-22.3	0	60.47	-	-	-	-	68.2	-7.73	231	248	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 9.41	27.25	PK	36.8	-23.7	0	40.35	-	-	74	-33.65	-	-	0-360	150	H
4	10.395	34.3	PK	37.6	-21.9	0	50	-	-	-	-	68.2	-18.2	0-360	250	H
5	* 15.379	26	PK	40.1	-21.1	0	45	-	-	74	-29	-	-	0-360	250	H
2	* 9.397	27.74	PK	36.8	-23.7	0	40.84	-	-	74	-33.16	-	-	0-360	150	V
3	10.397	33.12	PK	37.6	-21.9	0	48.82	-	-	-	-	68.2	-19.38	0-360	250	V
6	* 15.385	25.71	PK	40.1	-21.1	0	44.71	-	-	74	-29.29	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak detector

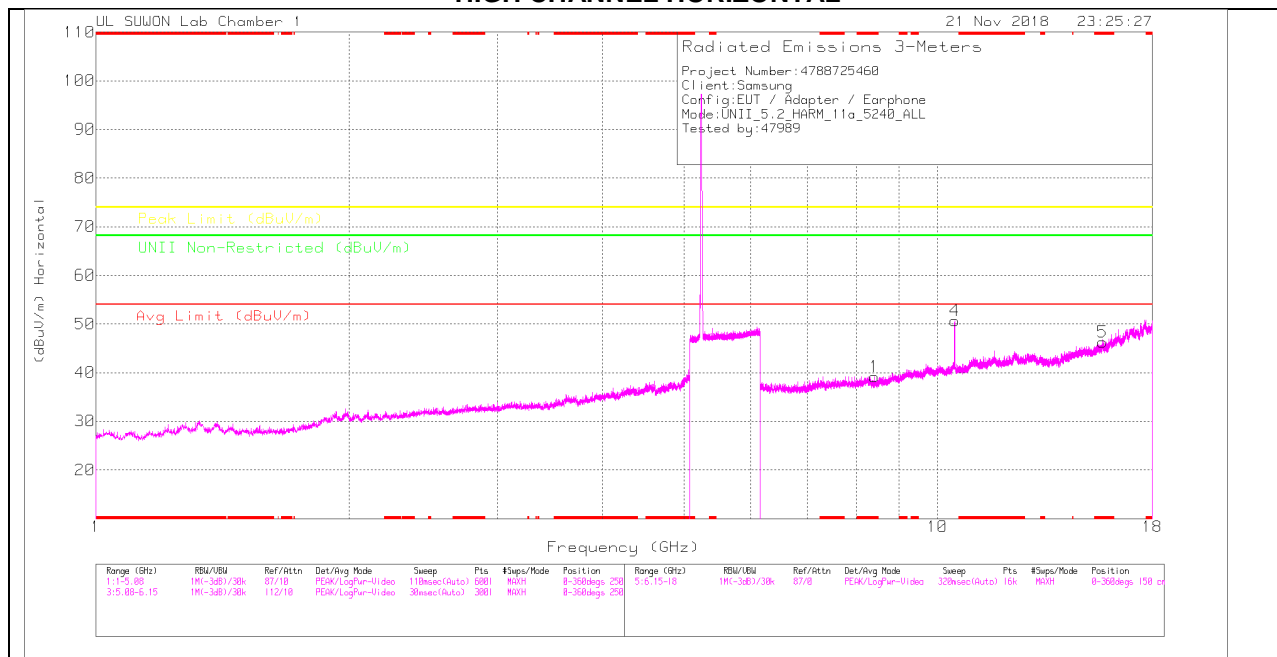
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.401	47.04	PK-U	37.6	-21.8	0	62.84	-	-	-	-	68.2	-5.36	229	243	H
10.398	45.95	PK-U	37.6	-21.8	0	61.75	-	-	-	-	68.2	-6.45	223	245	V

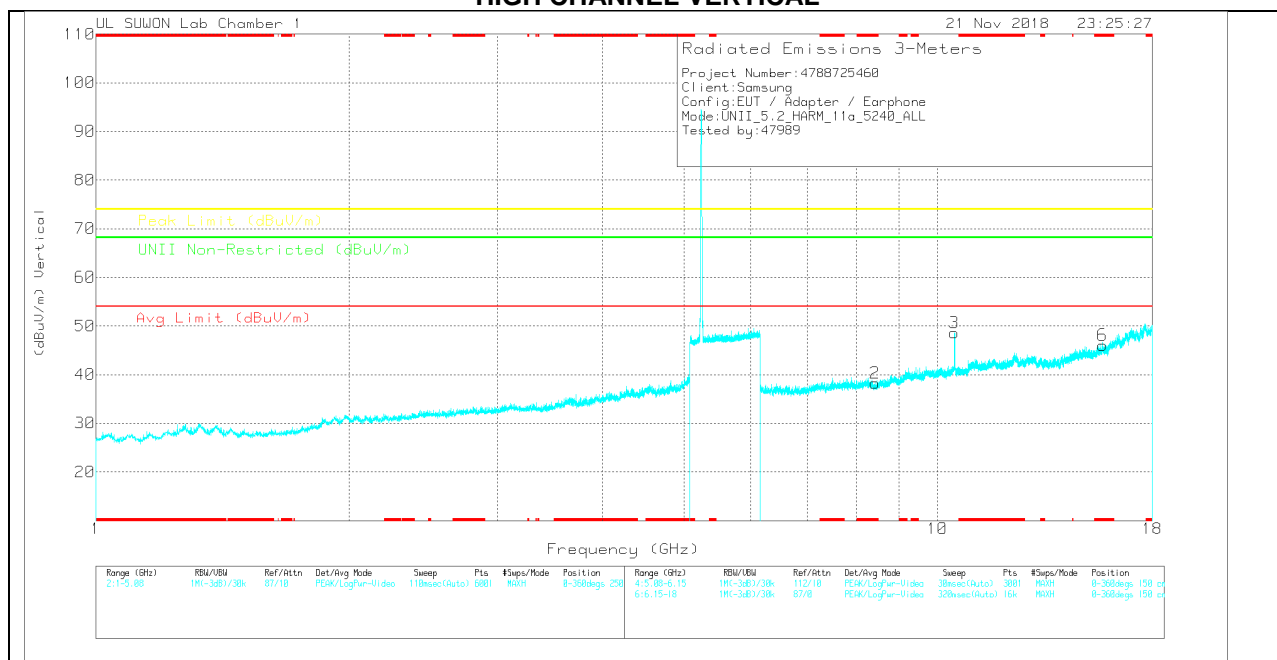
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8.418	28.63	PK	36.3	-25.8	0	39.13	-	-	74	-34.87	-	-	0-360	150	H
4	10.482	34.76	PK	37.7	-21.8	0	50.66	-	-	-	-	68.2	-17.54	0-360	250	H
5	* 15.718	26.83	PK	40.4	-21	0	46.23	-	-	74	-27.77	-	-	0-360	250	H
2	* 8.424	27.76	PK	36.3	-25.8	0	38.26	-	-	74	-35.74	-	-	0-360	250	V
3	10.476	32.59	PK	37.7	-21.7	0	48.59	-	-	-	-	68.2	-19.61	0-360	250	V
6	* 15.699	26.68	PK	40.4	-21	0	46.08	-	-	74	-27.92	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

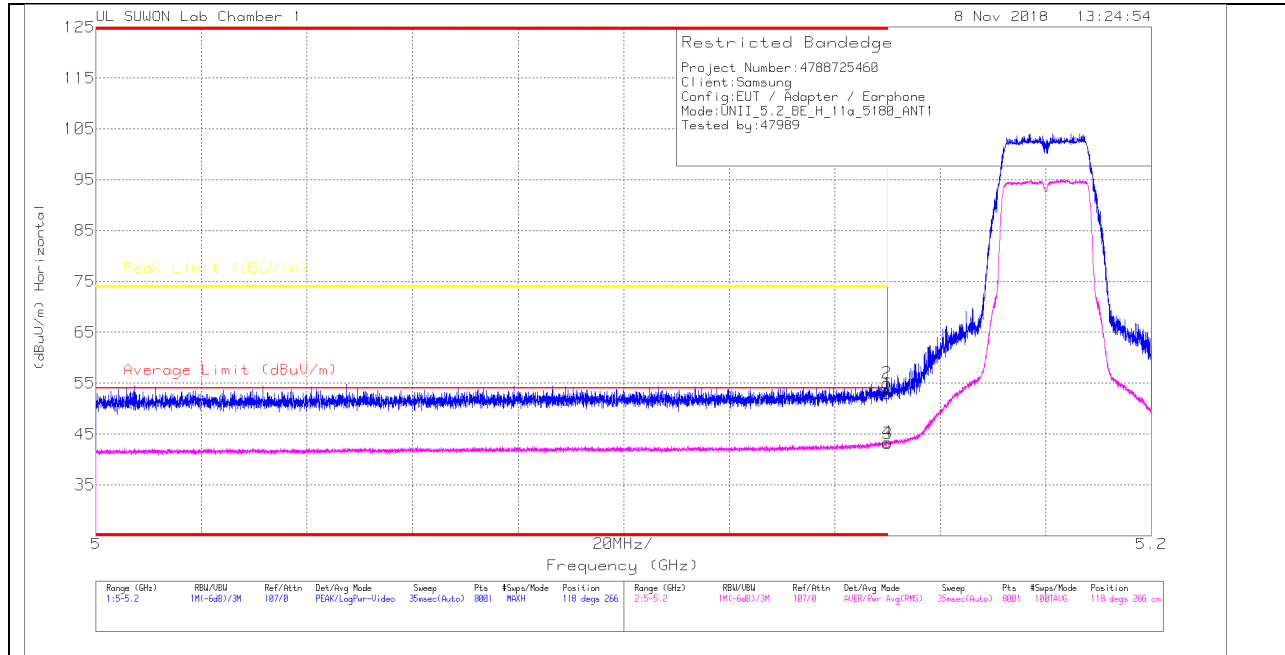
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.481	46.07	PK-U	37.7	-21.8	0	61.97	-	-	-	-	68.2	-6.23	226	231	H
10.486	44.19	PK-U	37.7	-21.9	0	59.99	-	-	-	-	68.2	-8.21	215	259	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.2.TX Above 1GHz 802.11a 1Tx ANT1 IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

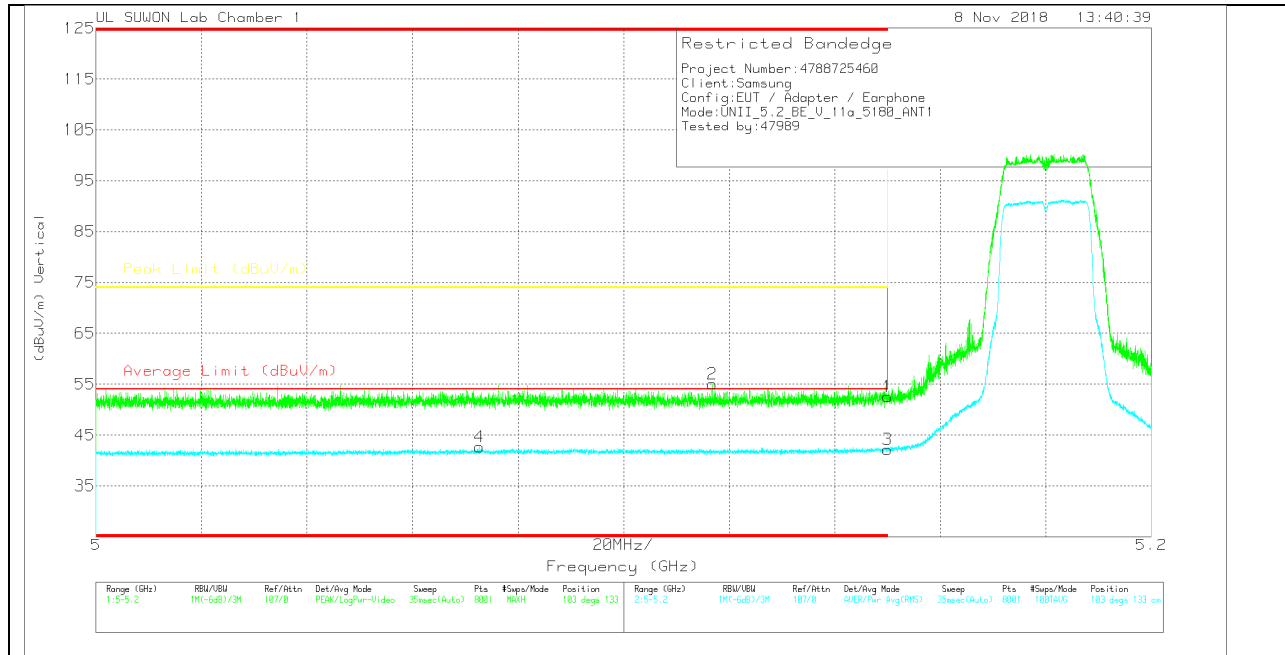
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	40.17	Pk	34.5	-21.8	0	52.87	-	-	74	-21.13	118	266	H
2	* 5.15	42.38	Pk	34.4	-21.8	0	54.98	-	-	74	-19.02	118	266	H
3	5.15	30.68	RMS	34.5	-22	0	43.18	54	-10.82	-	-	118	266	H
4	* 5.15	31.02	RMS	34.4	-22	0	43.42	54	-10.58	-	-	118	266	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.86	Pk	34.5	-21.8	0	52.56	-	-	74	-21.44	103	133	V
2	* 5.117	42.39	Pk	34.4	-21.8	0	54.99	-	-	74	-19.01	103	133	V
3	5.15	29.67	RMS	34.5	-22	0	42.17	54	-11.83	-	-	103	133	V
4	* 5.073	30.12	RMS	34.3	-21.8	0	42.62	54	-11.38	-	-	103	133	V

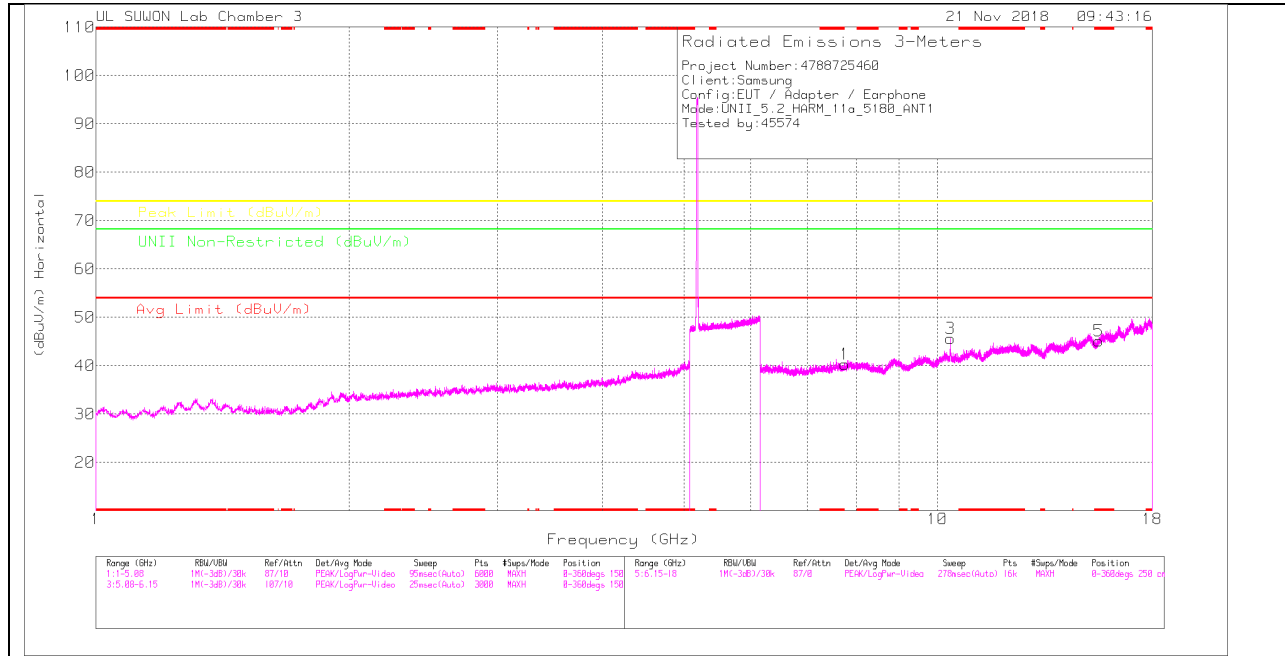
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

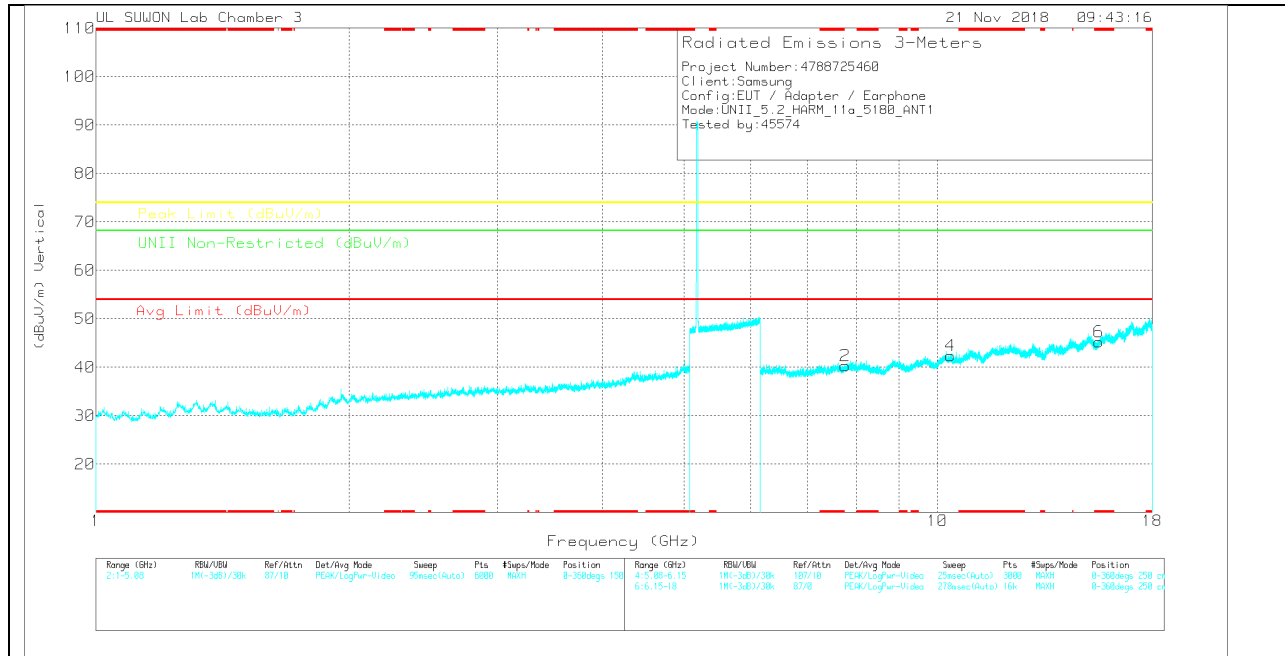
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209559	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	7.768	27.36	PK	35.9	-23	0	40.26	-	-	-	-	68.2	-27.94	0-360	250	H
3	10.36	27.19	PK	37.6	-19.2	0	45.59	-	-	-	-	68.2	-22.61	0-360	250	H
5	* 15.54	24.55	PK	40.2	-19.6	0	45.15	-	-	74	-28.85	-	-	0-360	150	H
2	7.769	27.44	PK	35.9	-23	0	40.34	-	-	-	-	68.2	-27.86	0-360	250	V
4	10.357	24.12	PK	37.6	-19.3	0	42.42	-	-	-	-	68.2	-25.78	0-360	150	V
6	* 15.541	24.8	PK	40.2	-19.7	0	45.3	-	-	74	-28.7	-	-	0-360	150	V

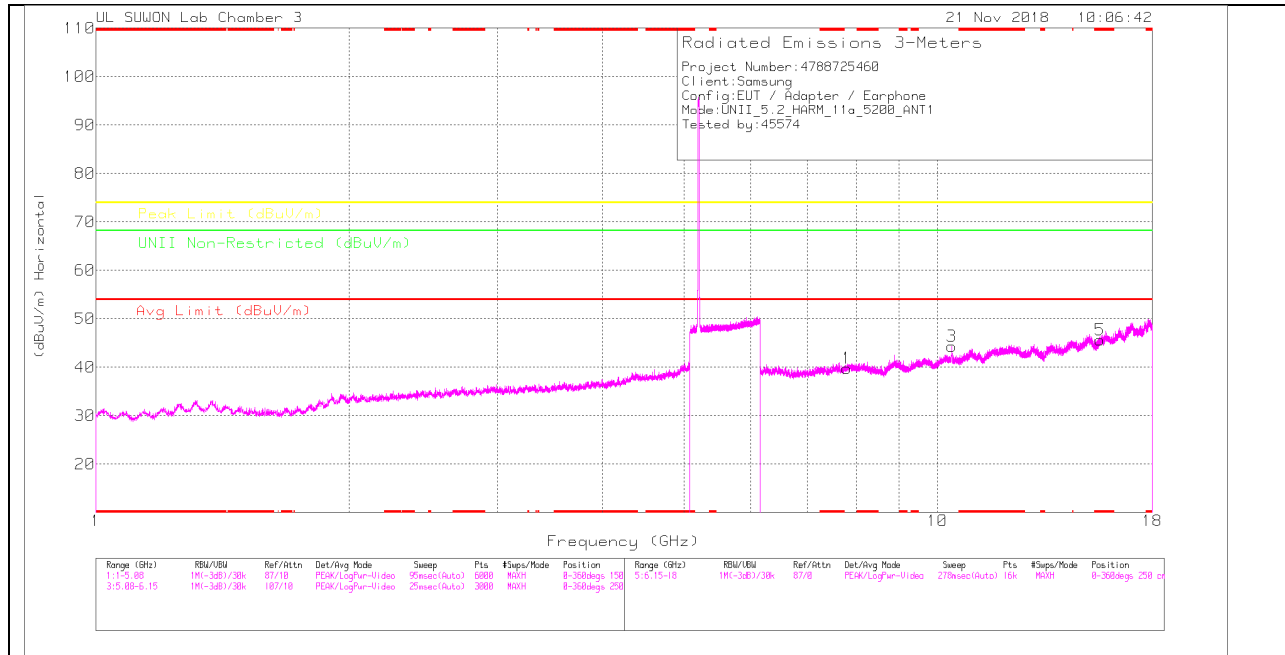
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

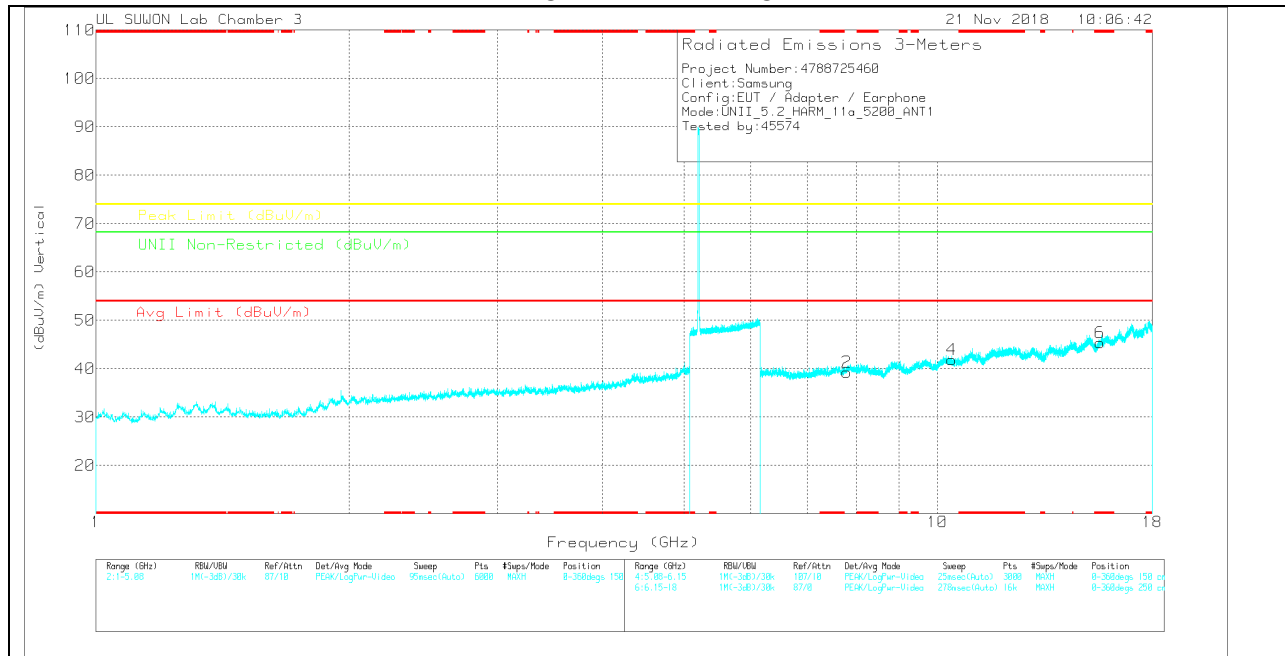
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209559	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.359	39.06	PK-U	37.6	-19.2	0	57.46	-	-	-	-	68.2	-10.74	195	259	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.802	26.7	PK	35.9	-22.8	0	39.8	-	-	-	-	68.2	-28.4	0-360	150	H
3	10.4	26.07	PK	37.6	-19.3	0	44.37	-	-	-	-	68.2	-23.83	0-360	250	H
5	* 15.6	24.93	PK	40.2	-19.5	0	45.63	-	-	74	-28.37	-	-	0-360	150	H
2	7.802	26.17	PK	35.9	-22.8	0	39.27	-	-	-	-	68.2	-28.93	0-360	250	V
4	10.4	23.55	PK	37.6	-19.3	0	41.85	-	-	-	-	68.2	-26.35	0-360	150	V
6	* 15.6	24.65	PK	40.2	-19.5	0	45.35	-	-	74	-28.65	-	-	0-360	150	V

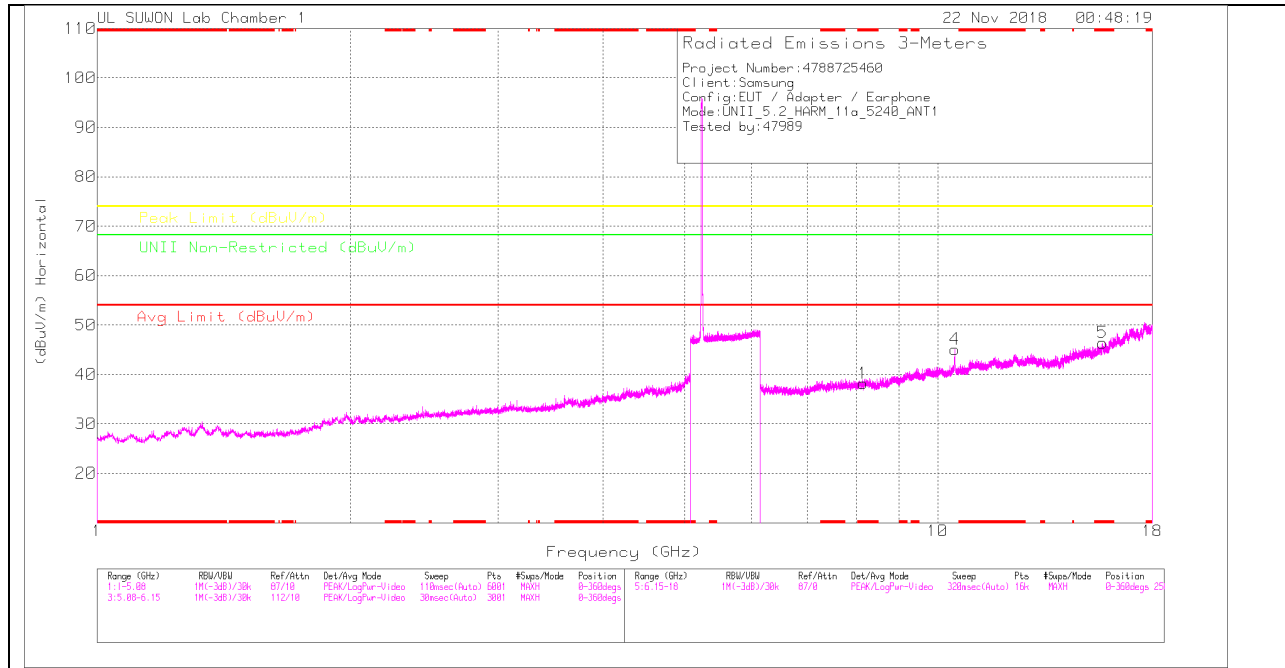
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

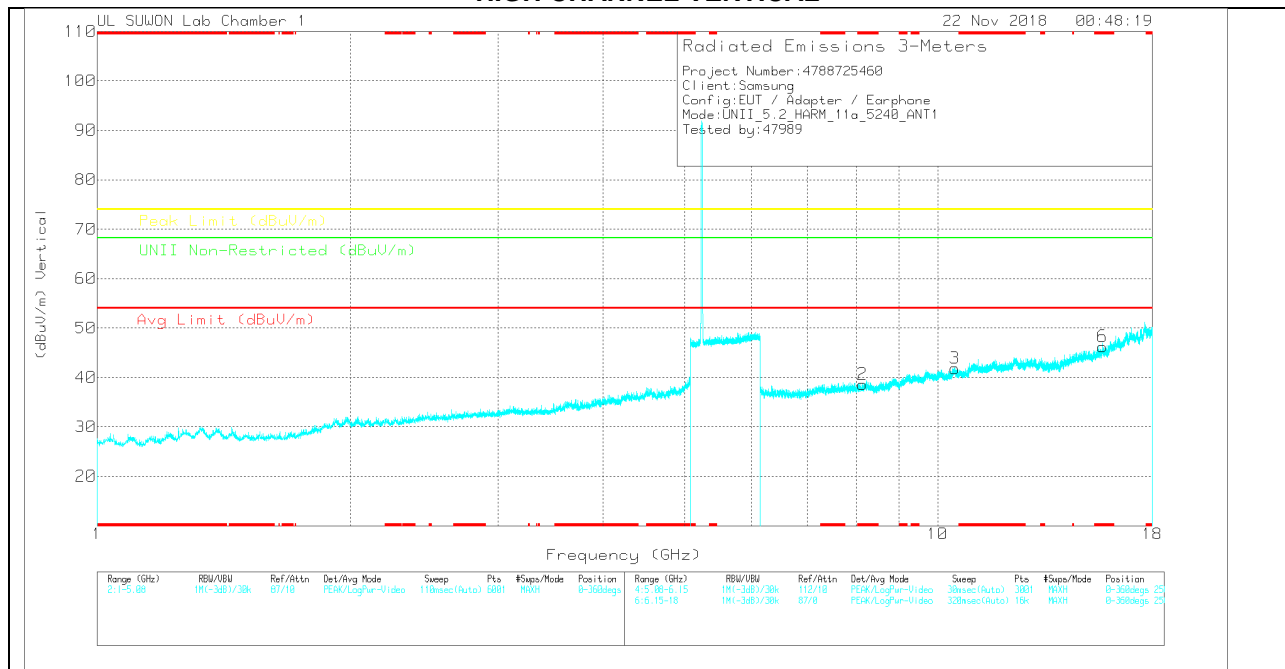
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.403	34.53	PK-U	37.6	-19.3	0	52.83	-	-	-	-	68.2	-15.37	185	259	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8.148	28.18	PK	36.3	-26.3	0	38.18	-	-	74	-35.82	-	-	0-360	250	H
4	10.479	29.2	PK	37.7	-21.8	0	45.1	-	-	-	-	68.2	-23.1	0-360	250	H
5	* 15.714	27.01	PK	40.4	-21	0	46.41	-	-	74	-27.59	-	-	0-360	250	H
2	* 8.143	28.63	PK	36.3	-26.3	0	38.63	-	-	74	-35.37	-	-	0-360	150	V
3	10.477	25.93	PK	37.7	-21.8	0	41.83	-	-	-	-	68.2	-26.37	0-360	150	V
6	* 15.717	26.85	PK	40.4	-21	0	46.25	-	-	74	-27.75	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

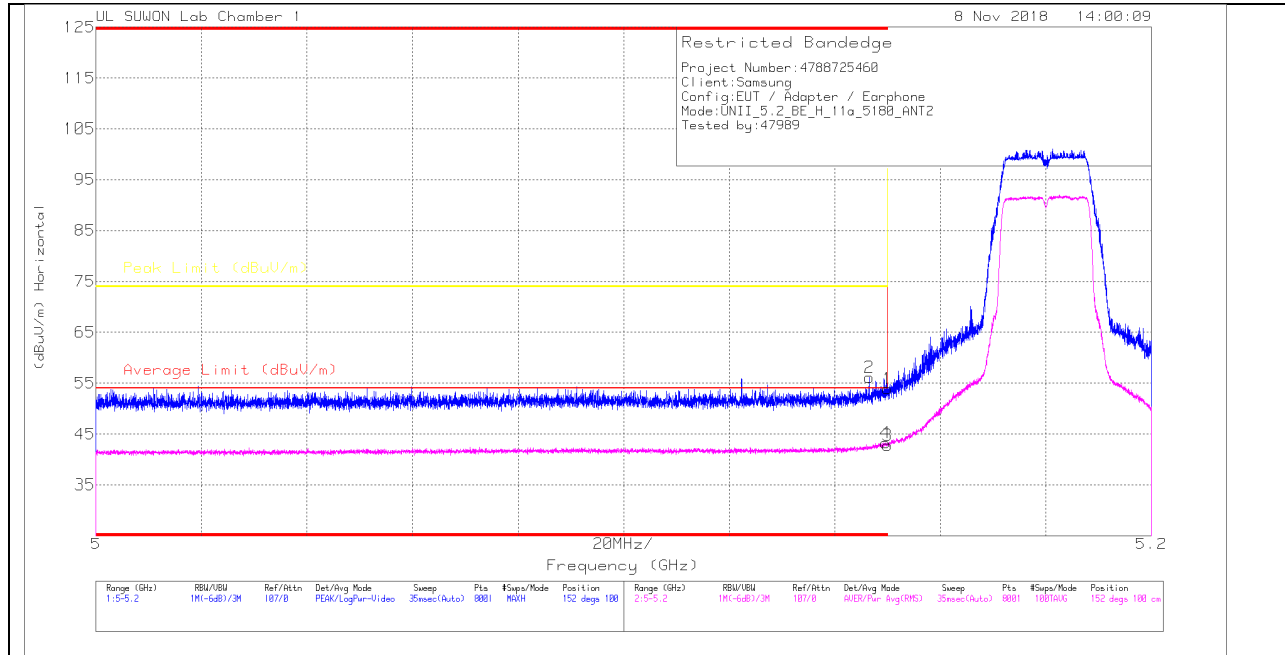
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.478	41.16	PK-U	37.7	-21.8	0	57.06	-	-	-	-	68.2	-11.14	195	216	H
10.48	36.72	PK-U	37.7	-21.8	0	52.62	-	-	-	-	68.2	-15.58	99	118	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.3.TX Above 1GHz 802.11a 1Tx ANT2 IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

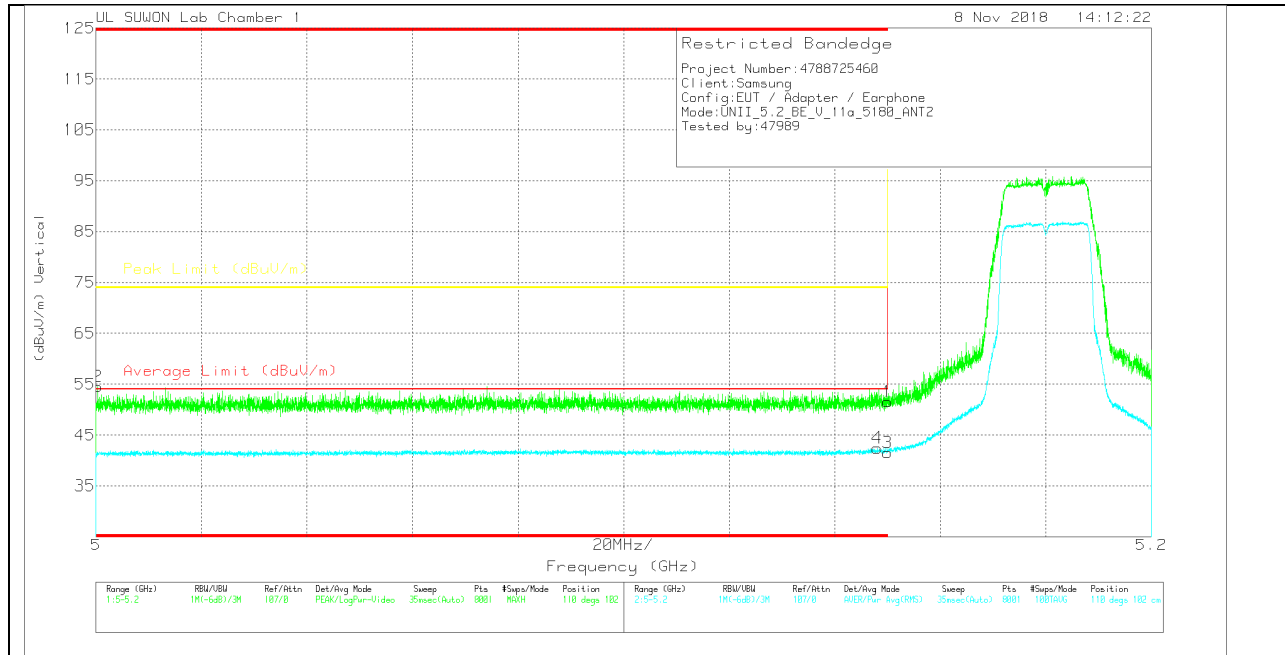
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	41.19	Pk	34.5	-21.8	0	53.89	-	-	74	-20.11	152	100	H
2	* 5.147	43.55	Pk	34.4	-21.8	0	56.15	-	-	74	-17.85	152	100	H
3	5.15	30.3	RMS	34.5	-22	0	42.8	54	-11.2	-	-	152	100	H
4	* 5.15	30.86	RMS	34.4	-22	0	43.26	54	-10.74	-	-	152	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	38.87	Pk	34.5	-21.8	0	51.57	-	-	74	-22.43	110	102	V
2	* 5	42.17	Pk	34.2	-21.8	0	54.57	-	-	74	-19.43	110	102	V
3	5.15	29.06	RMS	34.5	-22	0	41.56	54	-12.44	-	-	110	102	V
4	* 5.148	30.07	RMS	34.4	-22	0	42.47	54	-11.53	-	-	110	102	V

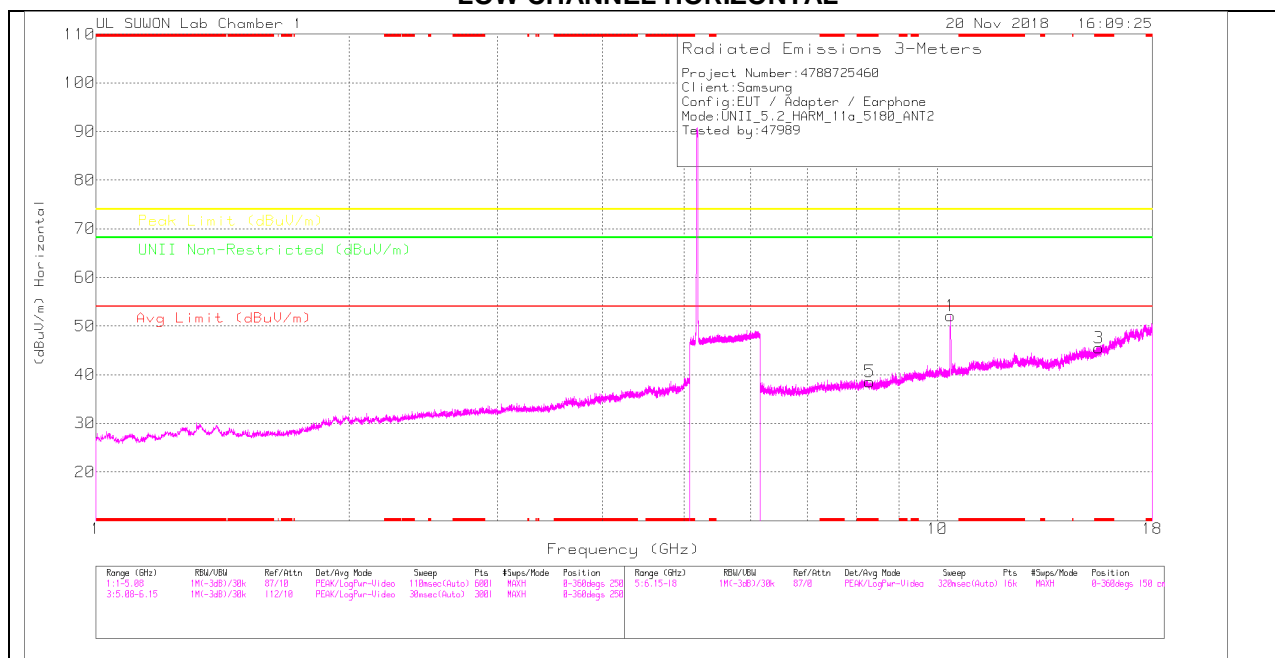
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

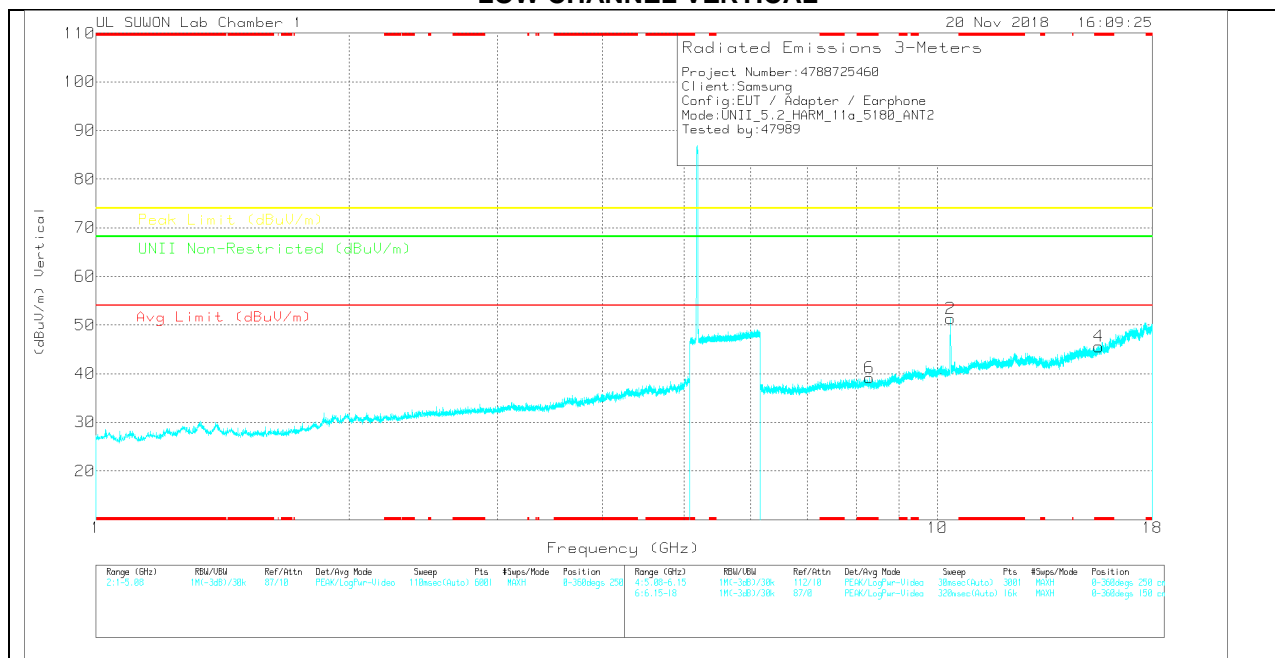
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	10.361	36.82	Avg	37.6	-22.3	0	52.12	-	-	-	-	68.2	-16.08	0-360	250	H
3	* 15.535	25.98	Avg	40.2	-20.7	0	45.48	-	-	74	-28.52	-	-	0-360	150	H
5	* 8.308	27.48	Avg	36.4	-25.3	0	38.58	-	-	74	-35.42	-	-	0-360	250	H
2	10.359	36.03	Avg	37.6	-22.3	0	51.33	-	-	-	-	68.2	-16.87	0-360	250	V
4	* 15.54	26.07	Avg	40.2	-20.7	0	45.57	-	-	74	-28.43	-	-	0-360	150	V
6	* 8.304	28.04	Avg	36.4	-25.3	0	39.14	-	-	74	-34.86	-	-	0-360	250	V

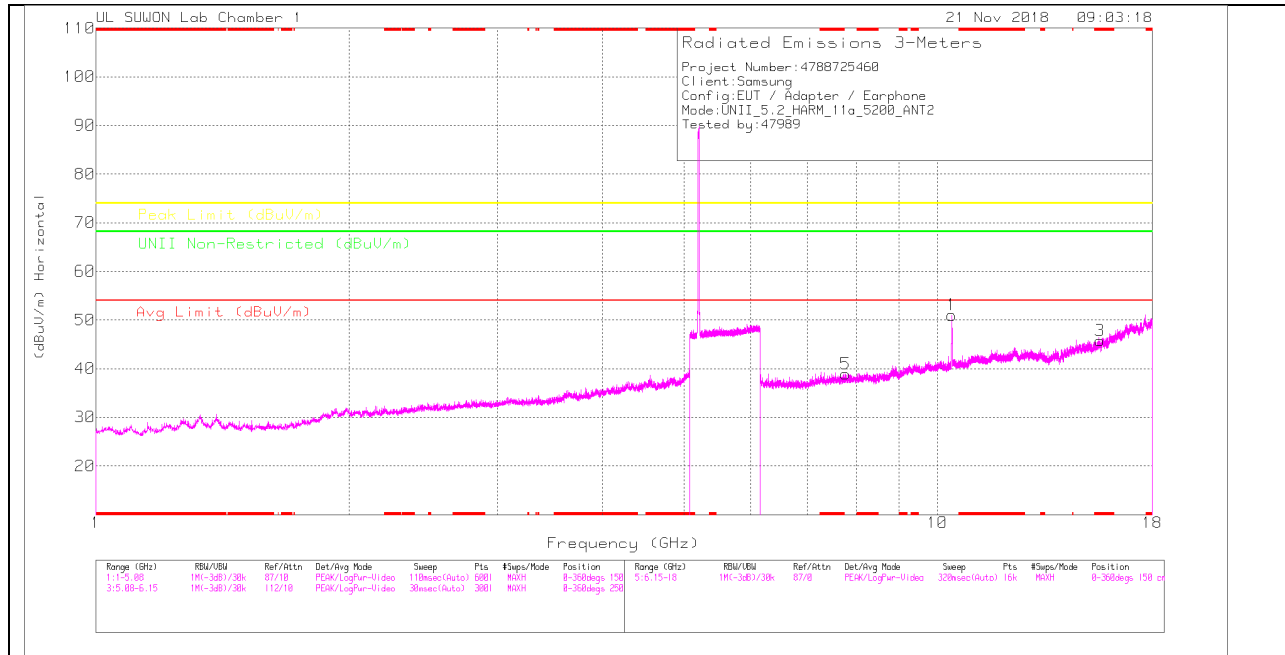
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

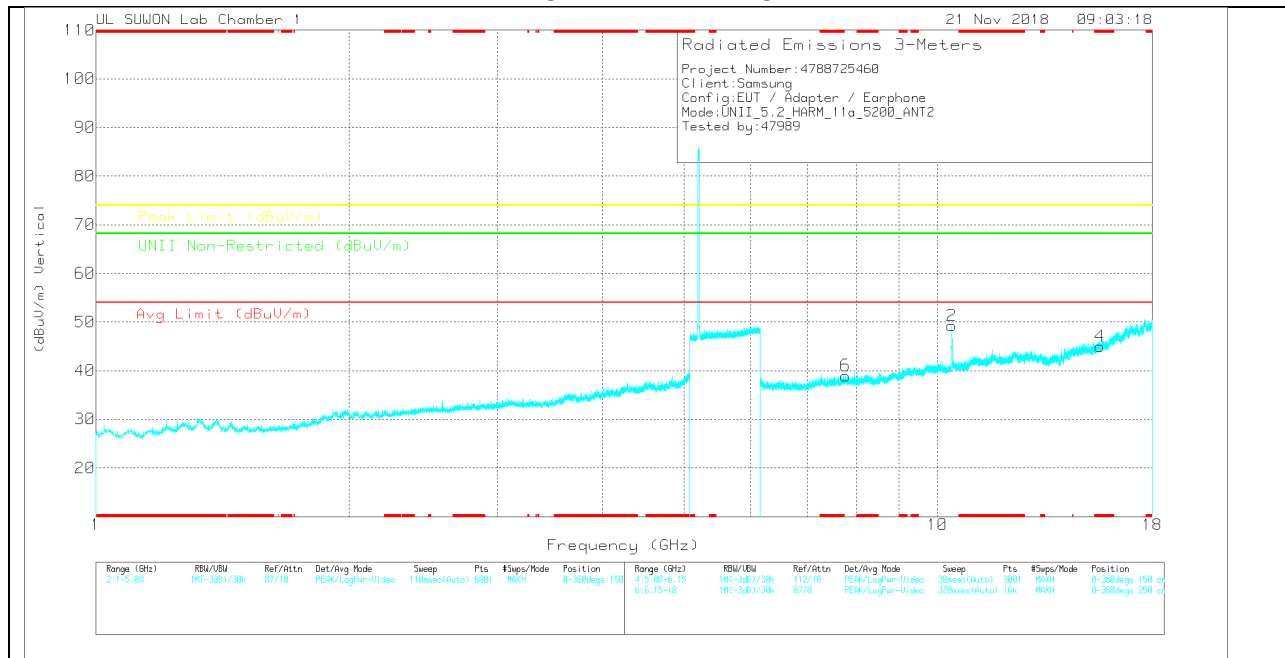
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.358	48.83	PK-U	37.6	-22.3	0	64.13	-	-	-	-	68.2	-4.07	107	100	H
10.358	47.35	PK-U	37.6	-22.3	0	62.65	-	-	-	-	68.2	-5.55	216	275	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	10.399	35.2	PK	37.6	-21.8	0	51	-	-	-	-	68.2	-17.2	0-360	250	H
3	* 15.603	26.82	PK	40.2	-21.3	0	45.72	-	-	74	-28.28	-	-	0-360	250	H
5	7.774	29.42	PK	35.9	-26.4	0	38.92	-	-	-	-	68.2	-29.28	0-360	250	H
2	10.402	33.35	PK	37.6	-21.7	0	49.25	-	-	-	-	68.2	-18.95	0-360	250	V
4	* 15.604	26.05	PK	40.2	-21.3	0	44.95	-	-	74	-29.05	-	-	0-360	150	V
6	7.776	29.47	PK	35.9	-26.4	0	38.97	-	-	-	-	68.2	-29.23	0-360	250	V

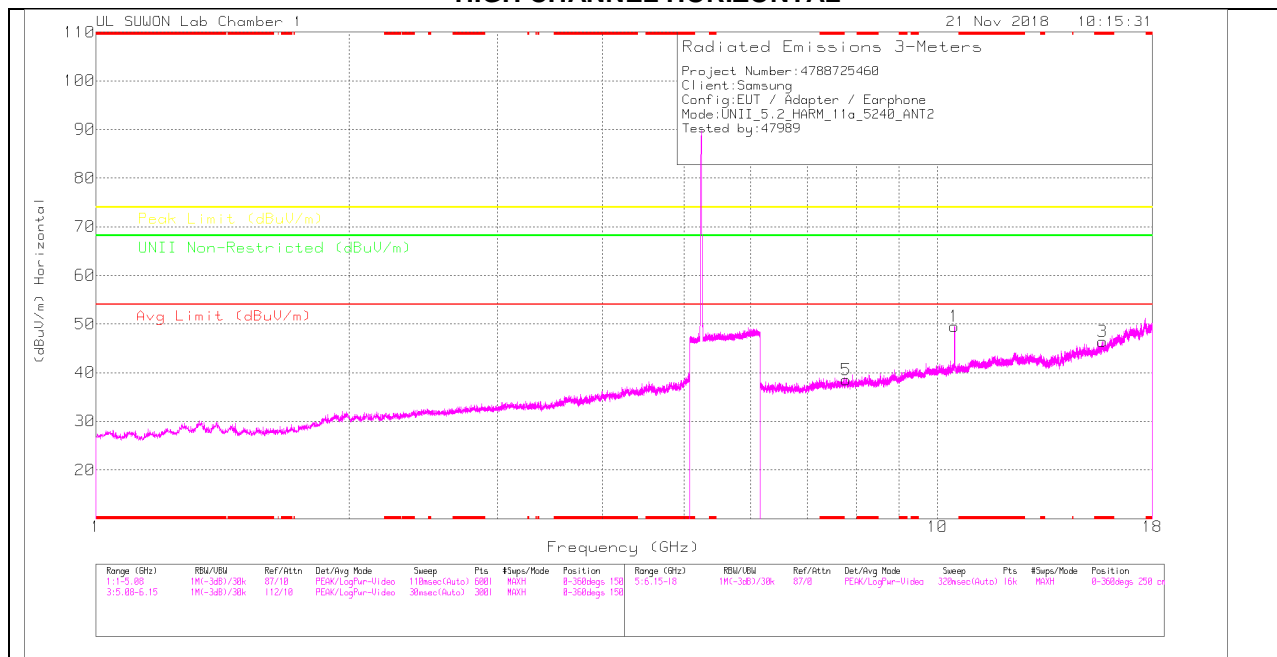
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

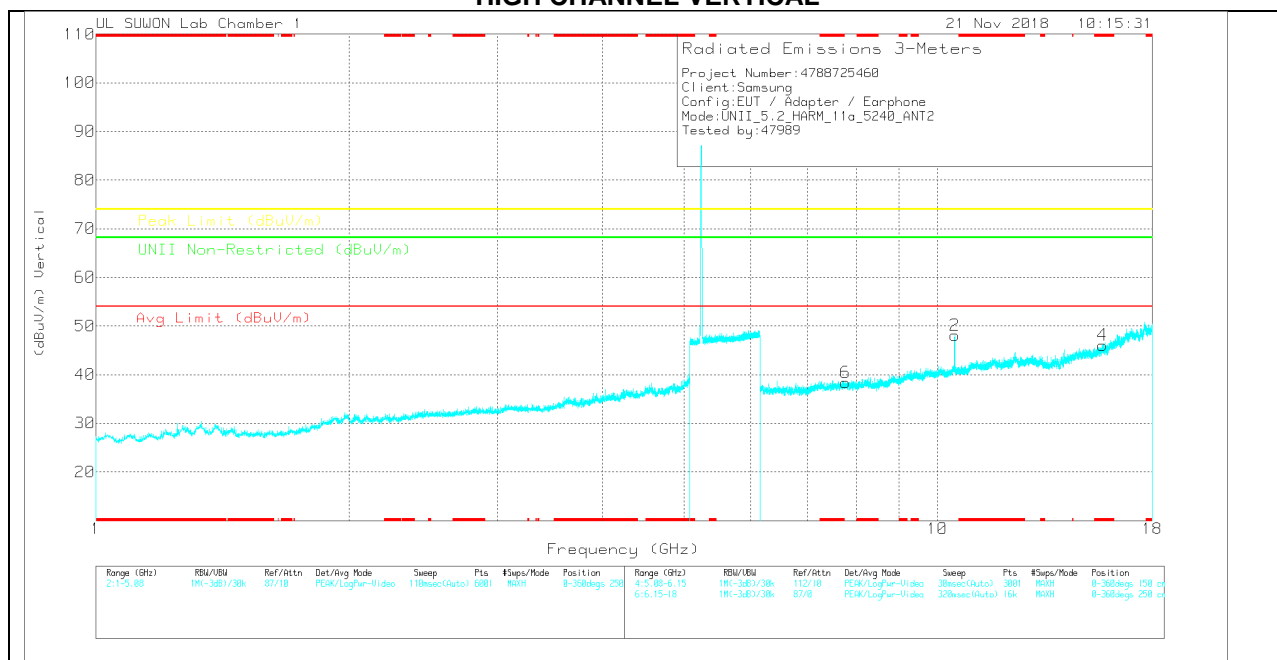
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.4	47.87	PK-U	37.6	-21.8	0	63.67	-	-	-	-	68.2	-4.53	97	100	H
10.398	47.25	PK-U	37.6	-21.8	0	63.05	-	-	-	-	68.2	-5.15	215	223	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.477	33.63	PK	37.7	-21.8	0	49.53	-	-	-	-	68.2	-18.67	0-360	250	H
3	* 15.718	27.04	PK	40.4	-21	0	46.44	-	-	74	-27.56	-	-	0-360	250	H
5	7.785	29.16	PK	35.9	-26.5	0	38.56	-	-	-	-	68.2	-29.64	0-360	250	H
2	10.482	32.16	PK	37.7	-21.8	0	48.06	-	-	-	-	68.2	-20.14	0-360	250	V
4	* 15.714	26.68	PK	40.4	-21	0	46.08	-	-	74	-27.92	-	-	0-360	250	V
6	7.781	28.83	PK	35.9	-26.4	0	38.33	-	-	-	-	68.2	-29.87	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

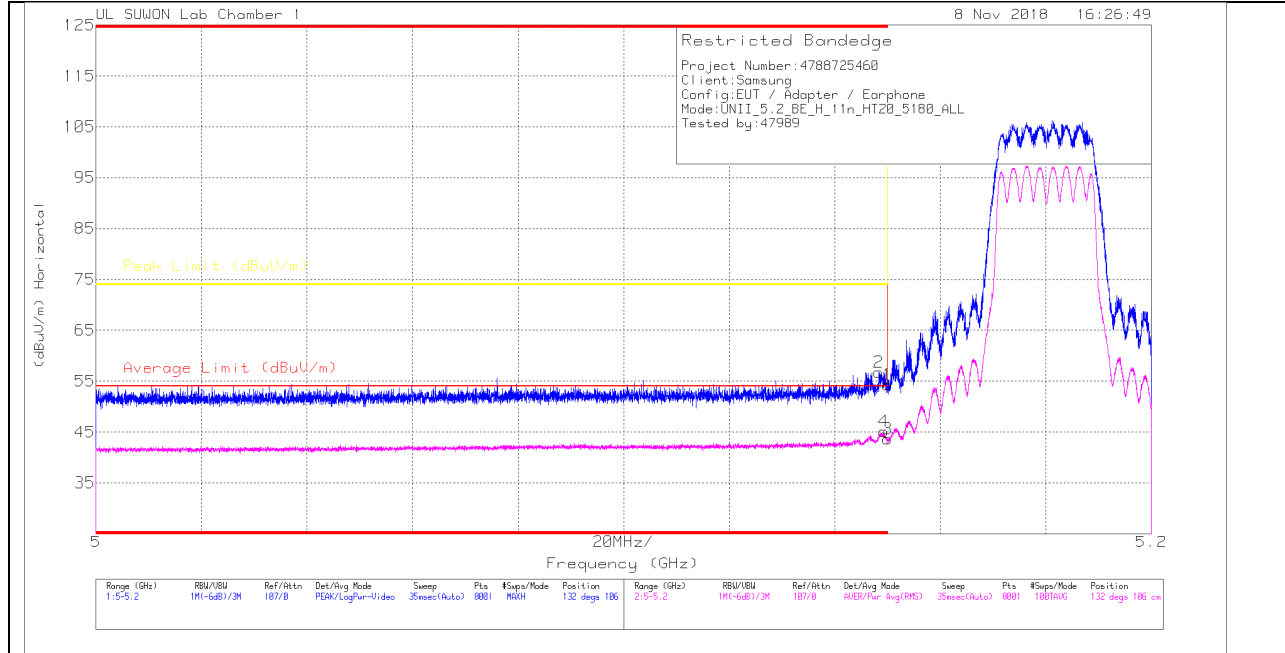
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.478	46.5	PK-U	37.7	-21.8	0	62.4	-	-	-	-	68.2	-5.8	99	108	H
10.479	46.17	PK-U	37.7	-21.8	0	62.07	-	-	-	-	68.2	-6.13	219	229	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.4. TX Above 1GHz 802.11n HT20 2Tx CDD MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

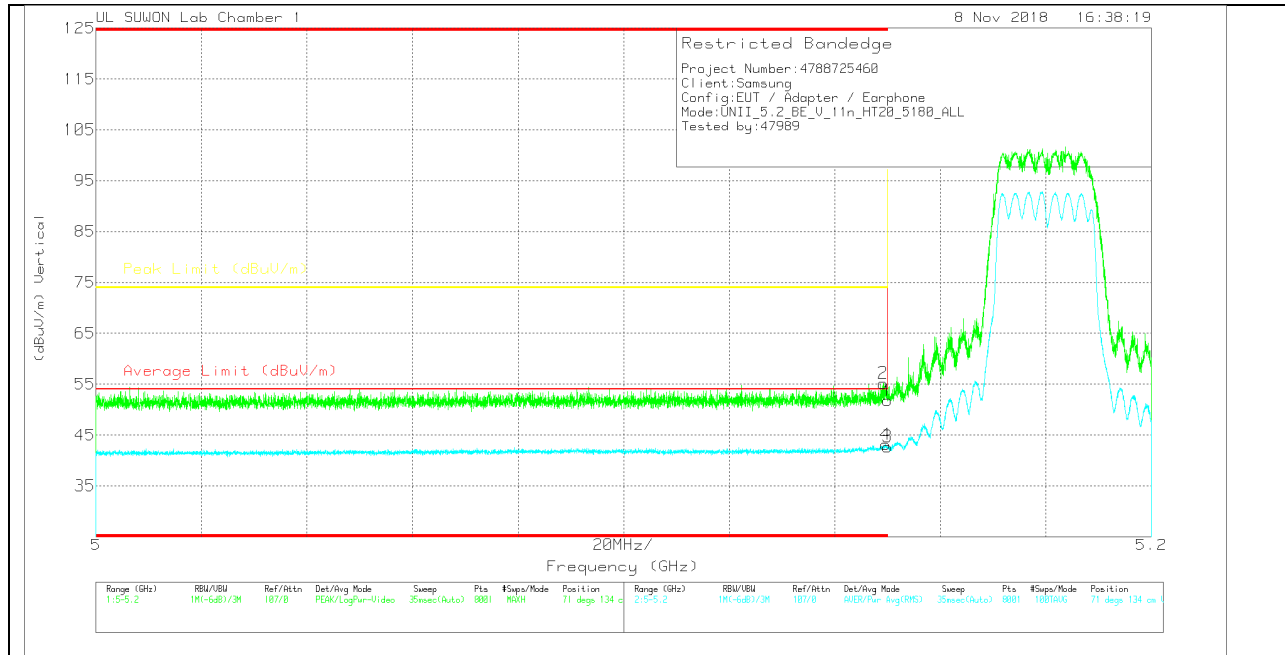
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	41.54	Pk	34.5	-21.8	0	54.24	-	-	74	-19.76	132	106	H
2	* 5.148	44.21	Pk	34.4	-21.8	0	56.81	-	-	74	-17.19	132	106	H
3	5.15	31.1	RMS	34.5	-22	0	43.6	54	-10.4	-	-	132	106	H
4	* 5.149	32.69	RMS	34.4	-22	0	45.09	54	-8.91	-	-	132	106	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.11	Pk	34.5	-21.8	0	51.81	-	-	74	-22.19	71	134	V
2	* 5.149	42.61	Pk	34.4	-21.8	0	55.21	-	-	74	-18.79	71	134	V
3	5.15	30.22	RMS	34.5	-22	0	42.72	54	-11.28	-	-	71	134	V
4	* 5.15	30.79	RMS	34.4	-22	0	43.19	54	-10.81	-	-	71	134	V

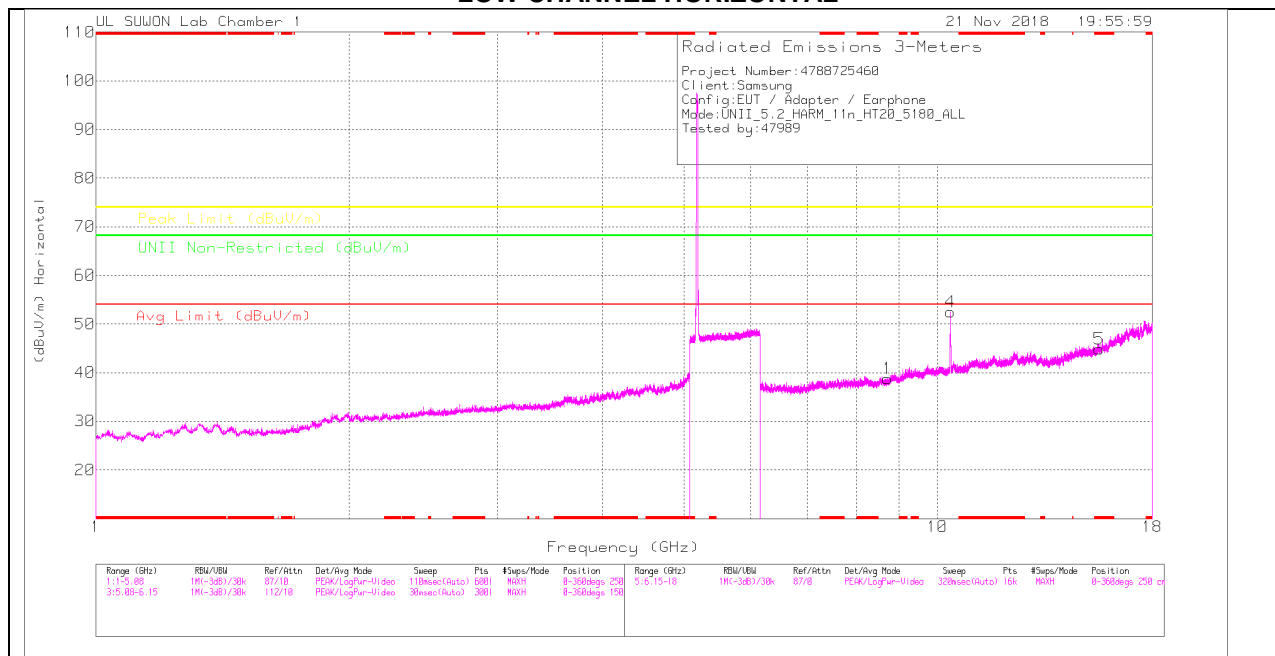
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

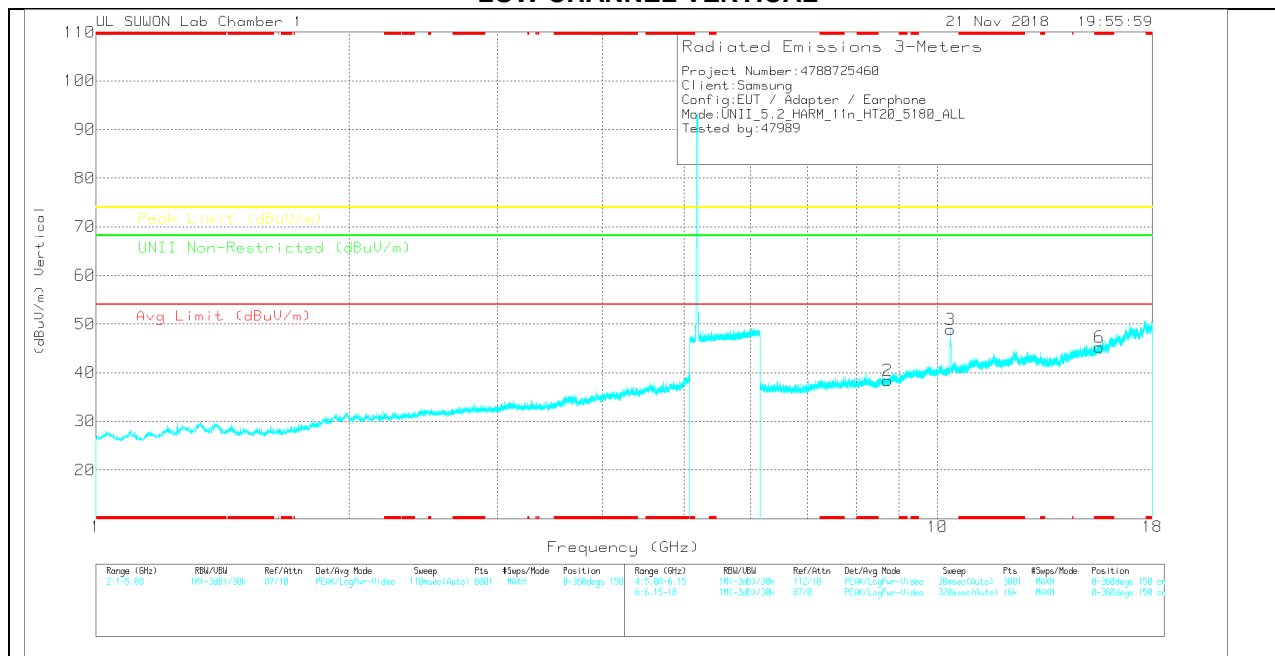
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Agc Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNR Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	8.726	27.87	PK	36.4	-25.5	0	38.77	-	-	-	-	68.2	-29.43	0-360	250	H
4	10.36	37.22	PK	37.6	-22.3	0	52.52	-	-	-	-	68.2	-15.68	0-360	250	H
5	* 15.562	25.71	PK	40.2	-21	0	44.91	-	-	74	-29.09	-	-	0-360	250	H
2	8.721	27.46	PK	36.4	-25.5	0	38.36	-	-	-	-	68.2	-29.84	0-360	150	V
3	10.359	33.54	PK	37.6	-22.3	0	48.84	-	-	-	-	68.2	-19.36	0-360	250	V
6	* 15.566	25.99	PK	40.2	-21	0	45.19	-	-	74	-28.81	-	-	0-360	250	V

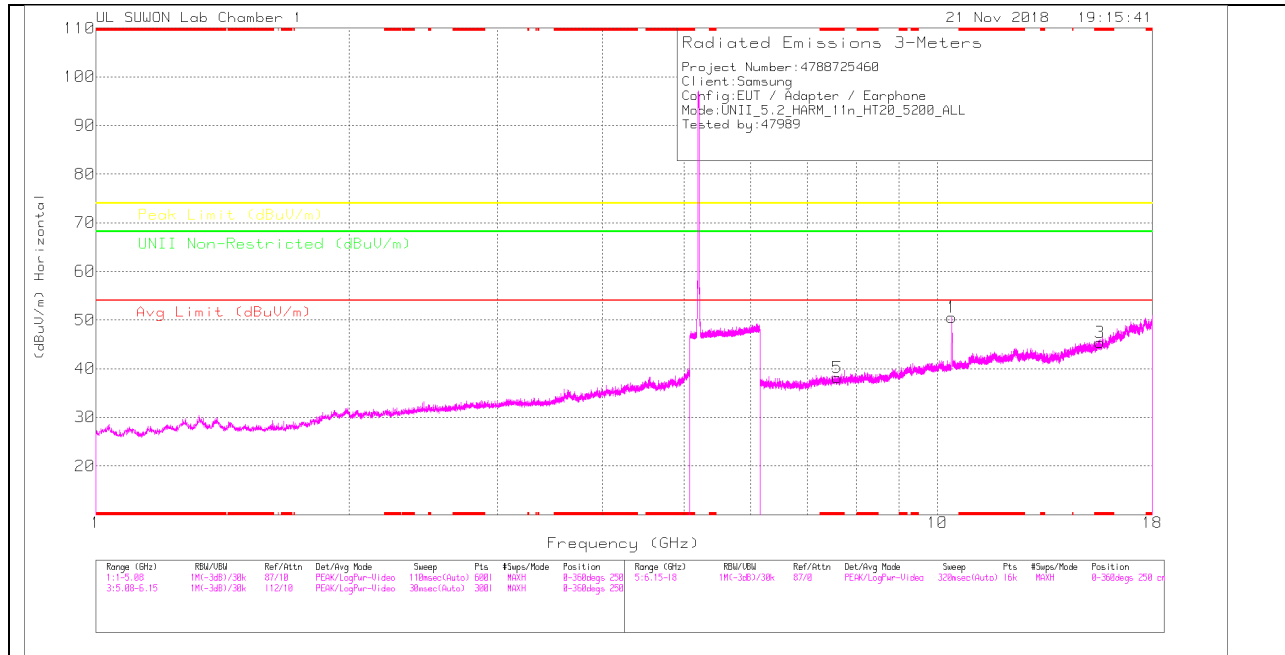
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

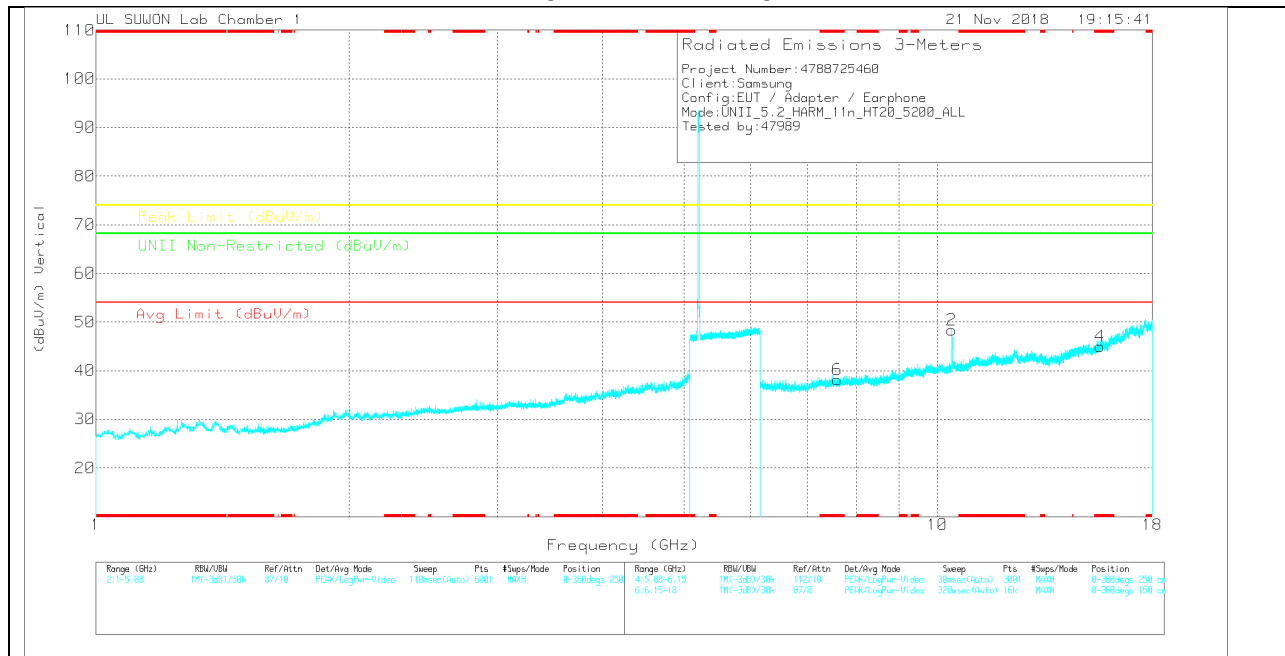
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Agc Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNR Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.36	49.31	PK-U	37.6	-22.3	0	64.61	-	-	-	-	68.2	-3.59	225	234	H
10.359	48.61	PK-U	37.6	-22.3	0	63.91	-	-	-	-	68.2	-4.29	218	225	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	10.4	34.7	PK	37.6	-21.8	0	50.5	-	-	-	-	68.2	-17.7	0-360	250	H
3	* 15.6	26.46	PK	40.2	-21.3	0	45.36	-	-	74	-28.64	-	-	0-360	150	H
5	* 7.599	28.88	PK	35.8	-26.5	0	38.18	-	-	74	-35.82	-	-	0-360	250	H
2	10.4	32.6	PK	37.6	-21.8	0	48.4	-	-	-	-	68.2	-19.8	0-360	250	V
4	* 15.6	26.05	PK	40.2	-21.3	0	44.95	-	-	74	-29.05	-	-	0-360	250	V
6	* 7.602	28.81	PK	35.8	-26.5	0	38.11	-	-	74	-35.89	-	-	0-360	250	V

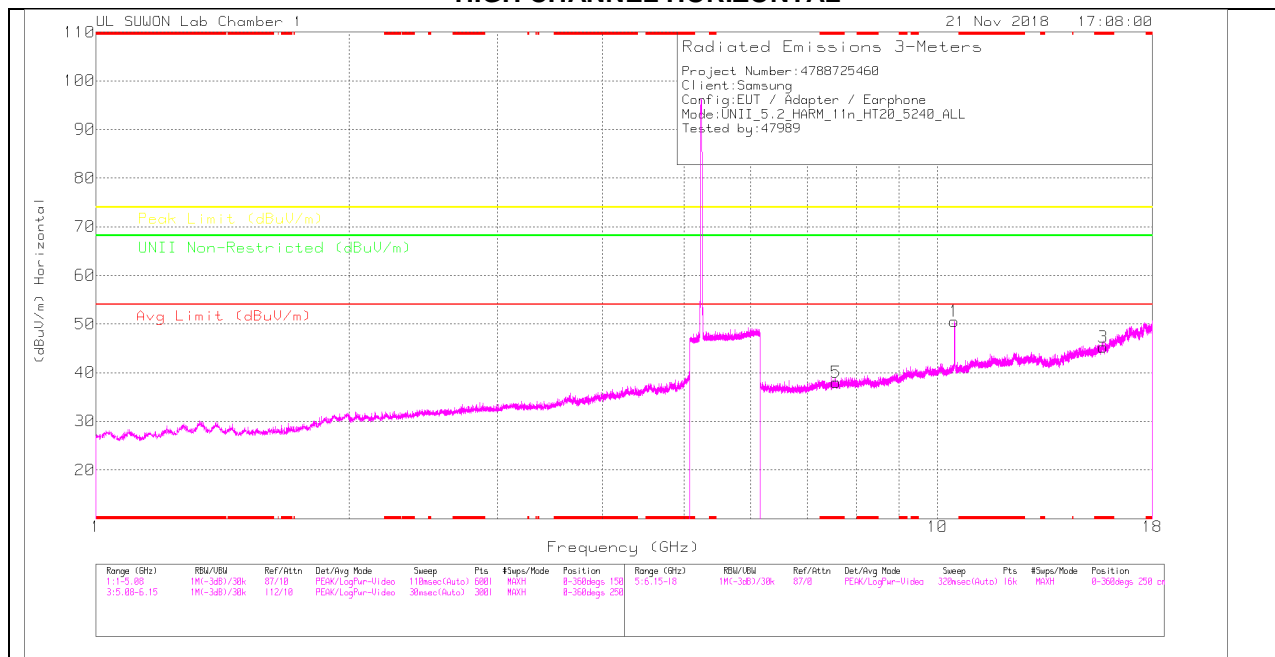
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

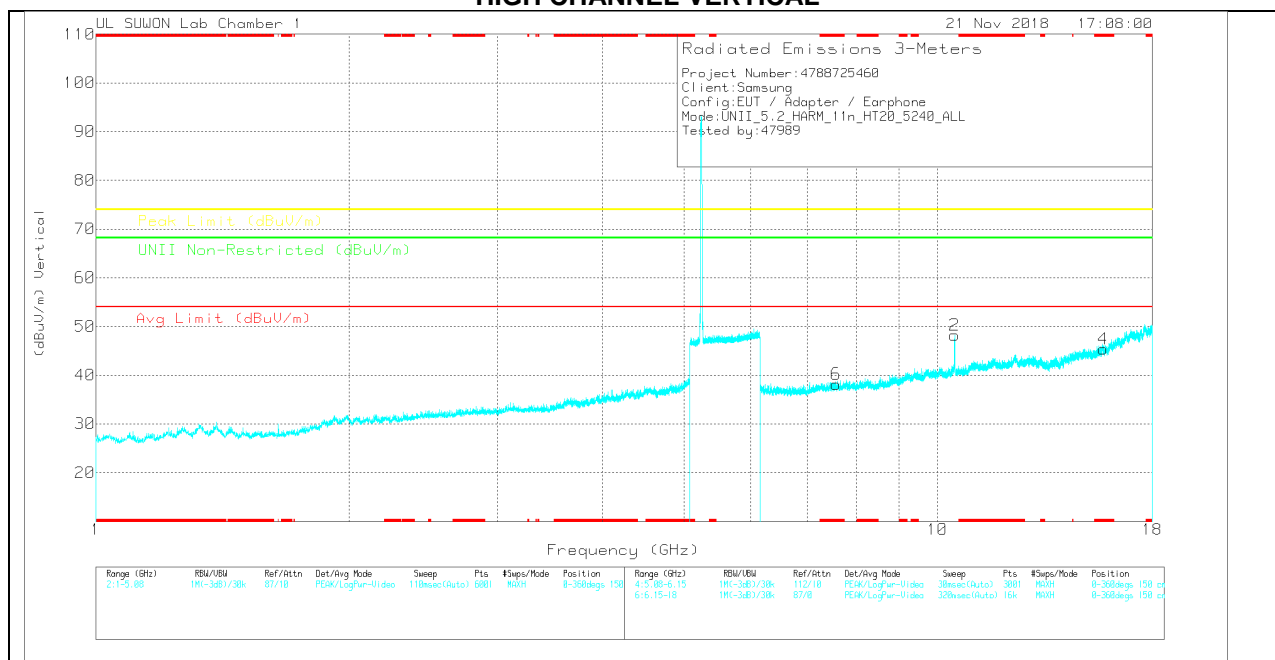
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.403	47.45	PK-U	37.6	-21.7	0	63.35	-	-	-	-	68.2	-4.85	230	240	H
10.401	46.89	PK-U	37.6	-21.8	0	62.69	-	-	-	-	68.2	-5.51	219	226	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.478	34.66	PK	37.7	-21.8	0	50.56	-	-	-	-	68.2	-17.64	0-360	250	H
3	* 15.737	25.87	PK	40.4	-21	0	45.27	-	-	74	-28.73	-	-	0-360	250	H
5	* 7.577	28.66	PK	35.8	-26.5	0	37.96	-	-	74	-36.04	-	-	0-360	150	H
2	10.479	32.36	PK	37.7	-21.8	0	48.26	-	-	-	-	68.2	-19.94	0-360	250	V
4	* 15.738	25.99	PK	40.4	-21	0	45.39	-	-	74	-28.61	-	-	0-360	150	V
6	* 7.575	28.99	PK	35.8	-26.6	0	38.19	-	-	74	-35.81	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

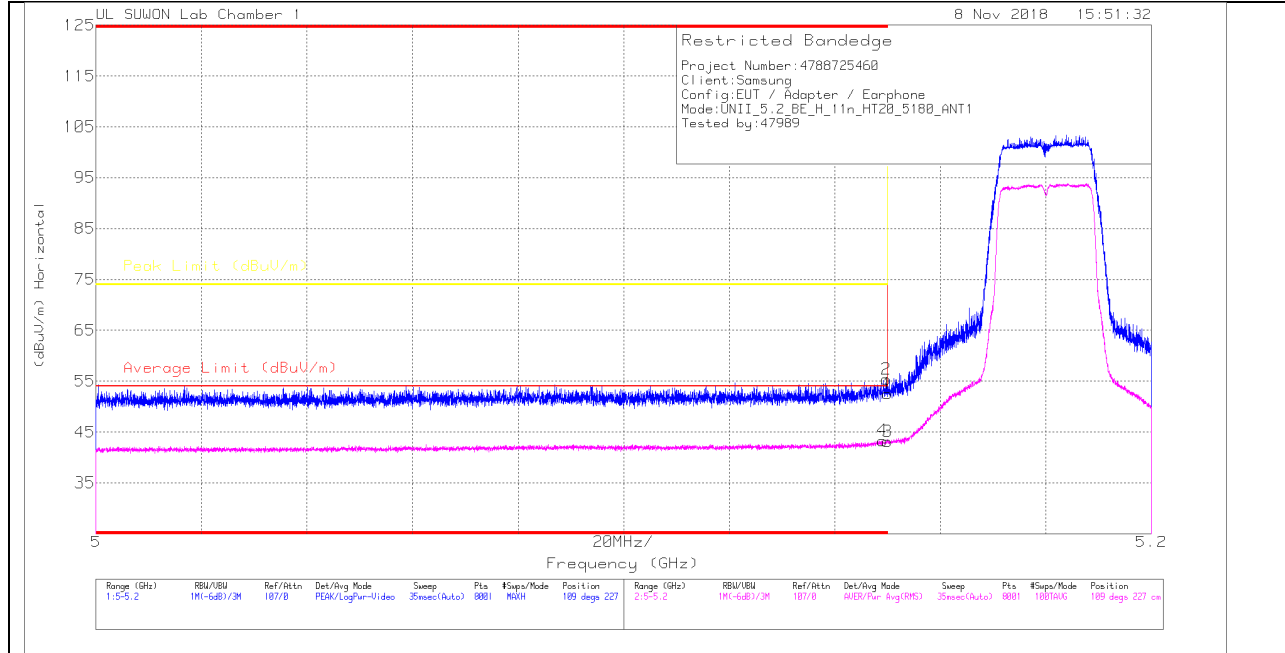
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.475	46.07	PK-U	37.7	-21.8	0	61.97	-	-	-	-	68.2	-6.23	227	231	H
10.481	44.88	PK-U	37.7	-21.8	0	60.78	-	-	-	-	68.2	-7.42	221	238	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.5.TX Above 1GHz 802.11n HT20 1Tx ANT1 IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

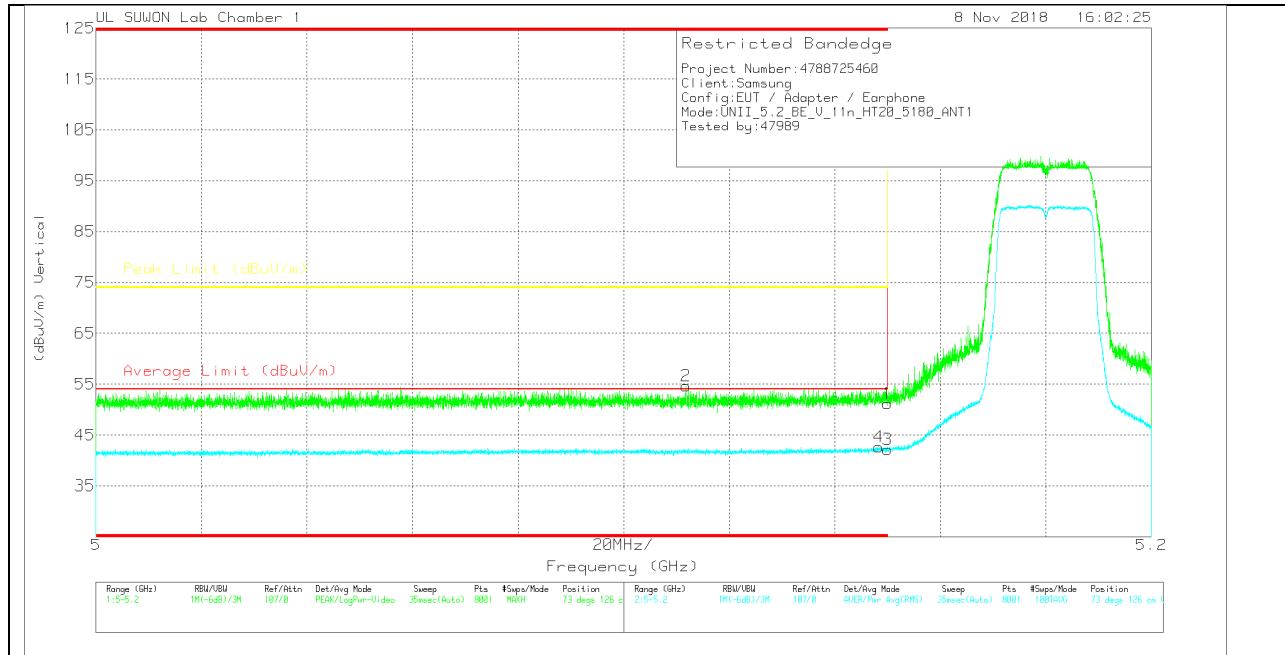
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.88	Pk	34.5	-21.8	0	52.58	-	-	74	-21.42	109	227	H
2	* 5.15	42.83	Pk	34.4	-21.8	0	55.43	-	-	74	-18.57	109	227	H
3	5.15	30.62	RMS	34.5	-22	0	43.12	54	-10.88	-	-	109	227	H
4	* 5.149	30.94	RMS	34.4	-22	0	43.34	54	-10.66	-	-	109	227	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	38.47	Pk	34.5	-21.8	0	51.17	-	-	74	-22.83	73	126	V
2	* 5.112	42.09	Pk	34.4	-21.8	0	54.69	-	-	74	-19.31	73	126	V
3	5.15	29.61	RMS	34.5	-22	0	42.11	54	-11.89	-	-	73	126	V
4	* 5.148	30.23	RMS	34.4	-22	0	42.63	54	-11.37	-	-	73	126	V

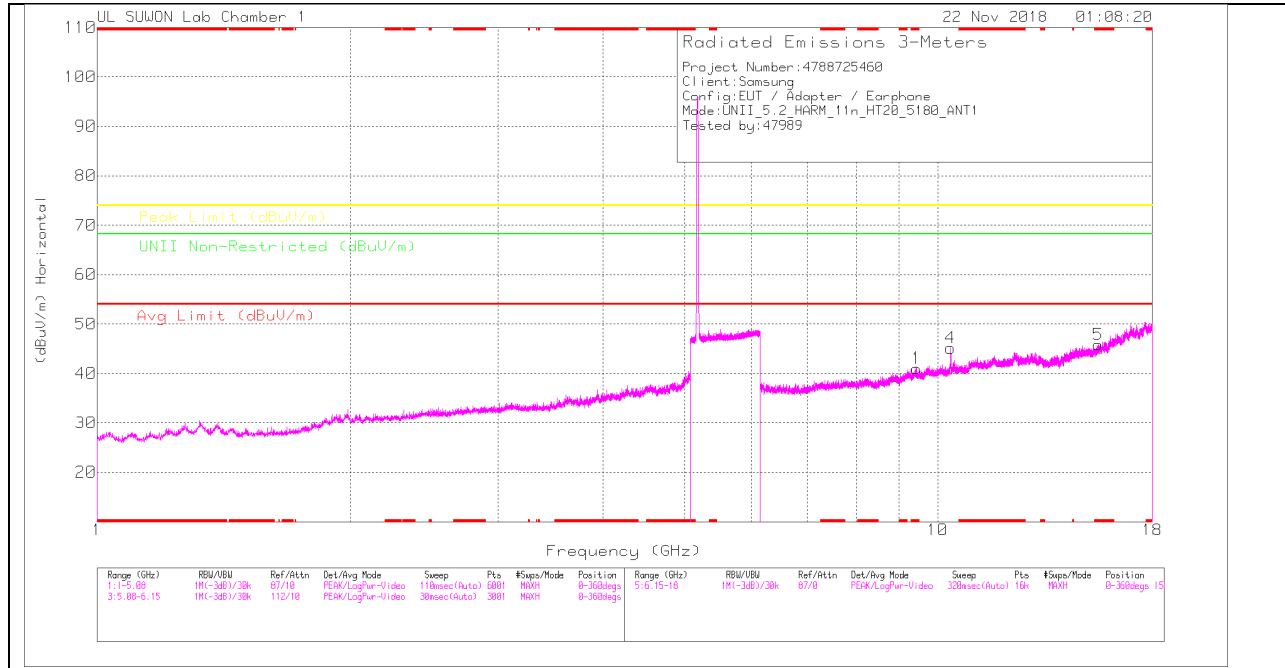
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

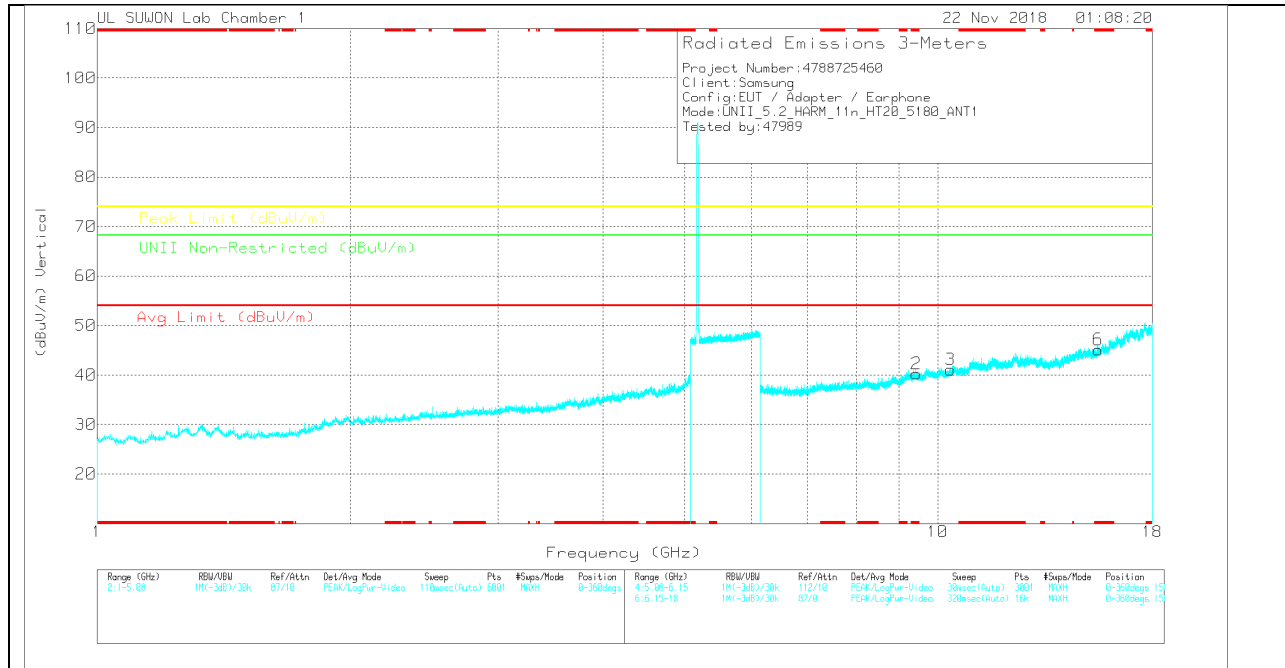
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 9.44	27.61	PK	36.8	-23.4	0	41.01	-	-	74	-32.99	-	-	0-360	250	H
4	10.361	29.85	PK	37.6	-22.3	0	45.15	-	-	-	-	68.2	-23.05	0-360	250	H
5	* 15.531	26.34	PK	40.2	-20.7	0	45.84	-	-	74	-28.16	-	-	0-360	250	H
2	* 9.432	26.85	PK	36.8	-23.4	0	40.25	-	-	74	-33.75	-	-	0-360	150	V
3	10.357	25.78	PK	37.6	-22.3	0	41.08	-	-	-	-	68.2	-27.12	0-360	150	V
6	* 15.52	25.61	PK	40.1	-20.6	0	45.11	-	-	74	-28.89	-	-	0-360	250	V

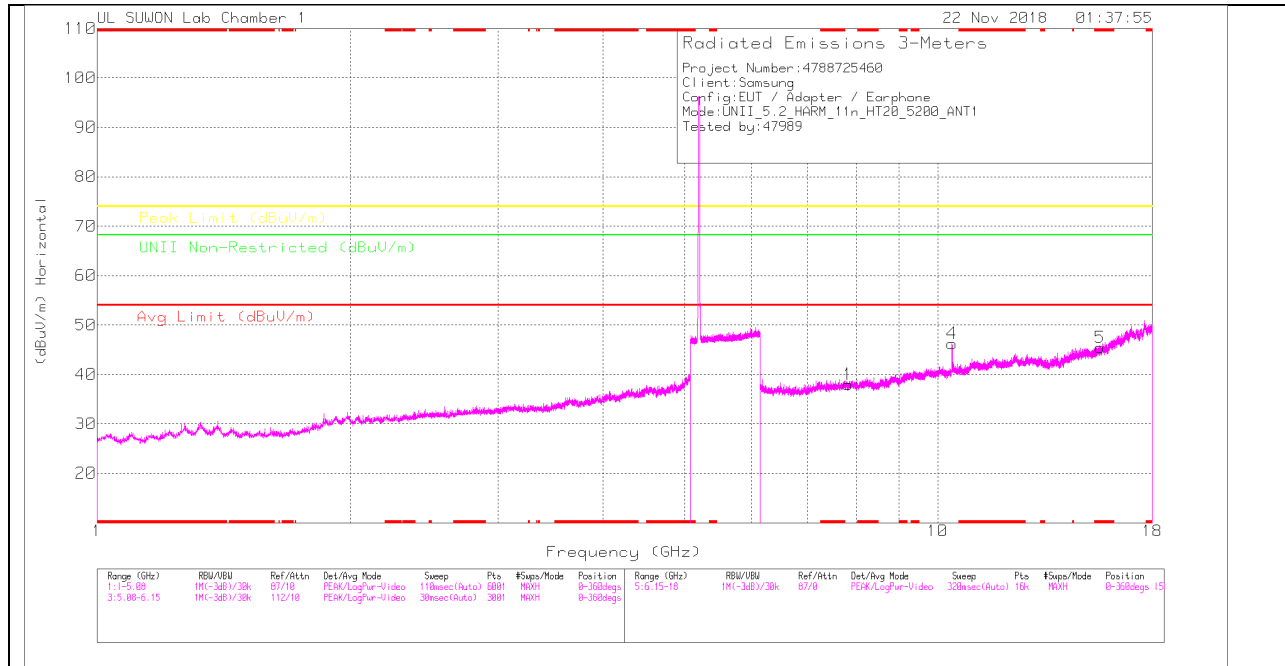
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

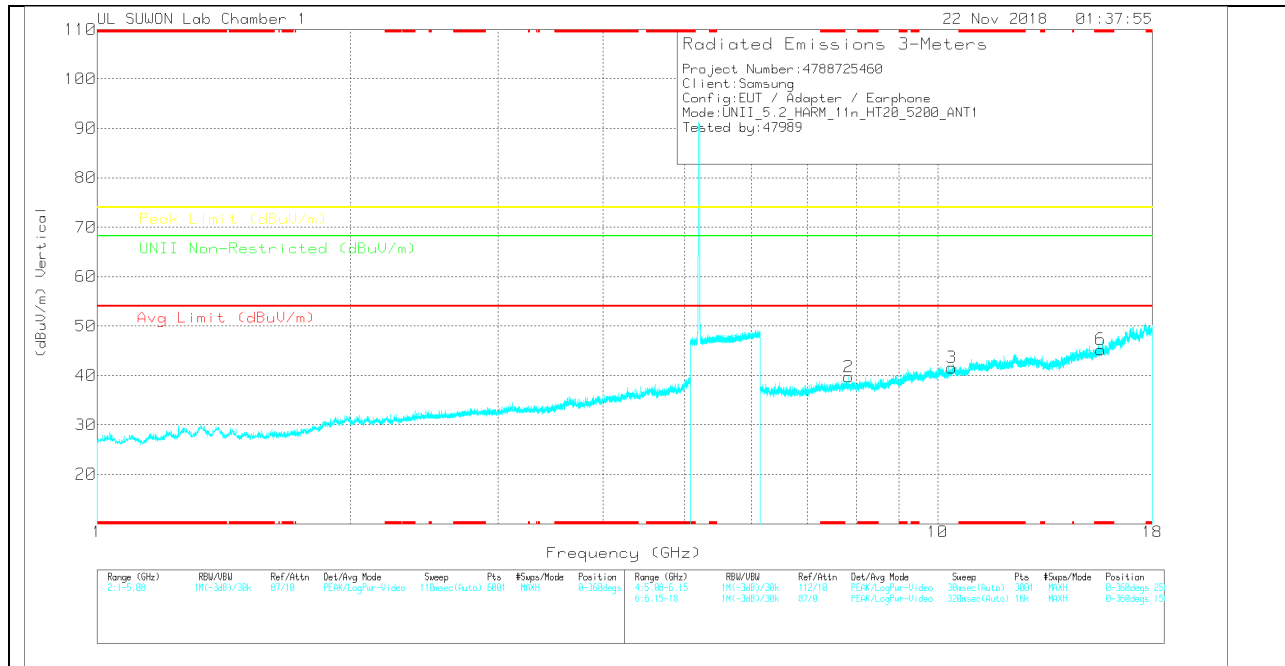
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.358	43.03	PK-U	37.6	-22.3	0	58.33	-	-	-	-	68.2	-9.87	182	222	H
10.356	36.75	PK-U	37.6	-22.4	0	51.95	-	-	-	-	68.2	-16.25	173	105	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	7.825	28.76	PK	35.9	-26.7	0	37.96	-	-	-	-	68.2	-30.24	0-360	150	H
4	10.401	30.43	PK	37.6	-21.8	0	46.23	-	-	-	-	68.2	-21.97	0-360	250	H
5	* 15.595	26.54	PK	40.2	-21.3	0	45.44	-	-	74	-28.56	-	-	0-360	250	H
2	7.836	30.5	PK	35.9	-26.7	0	39.7	-	-	-	-	68.2	-28.5	0-360	250	V
3	10.396	25.88	PK	37.6	-21.9	0	41.58	-	-	-	-	68.2	-26.62	0-360	150	V
6	* 15.629	26.34	PK	40.3	-21.4	0	45.24	-	-	74	-28.76	-	-	0-360	150	V

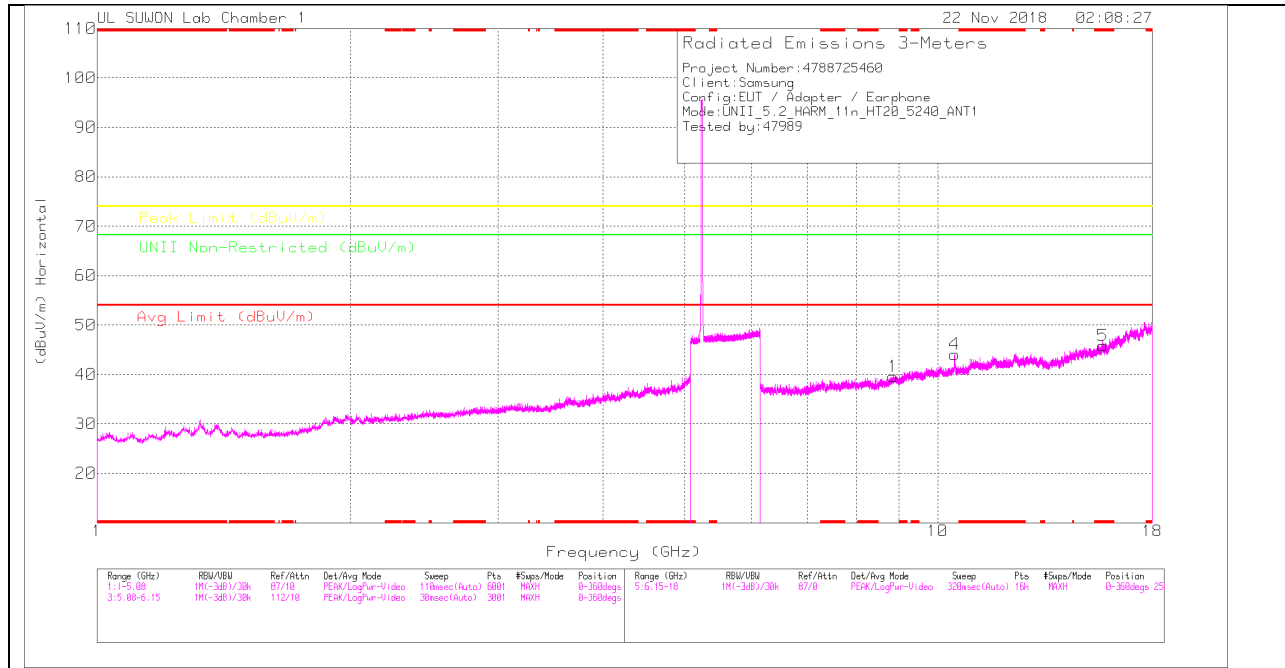
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

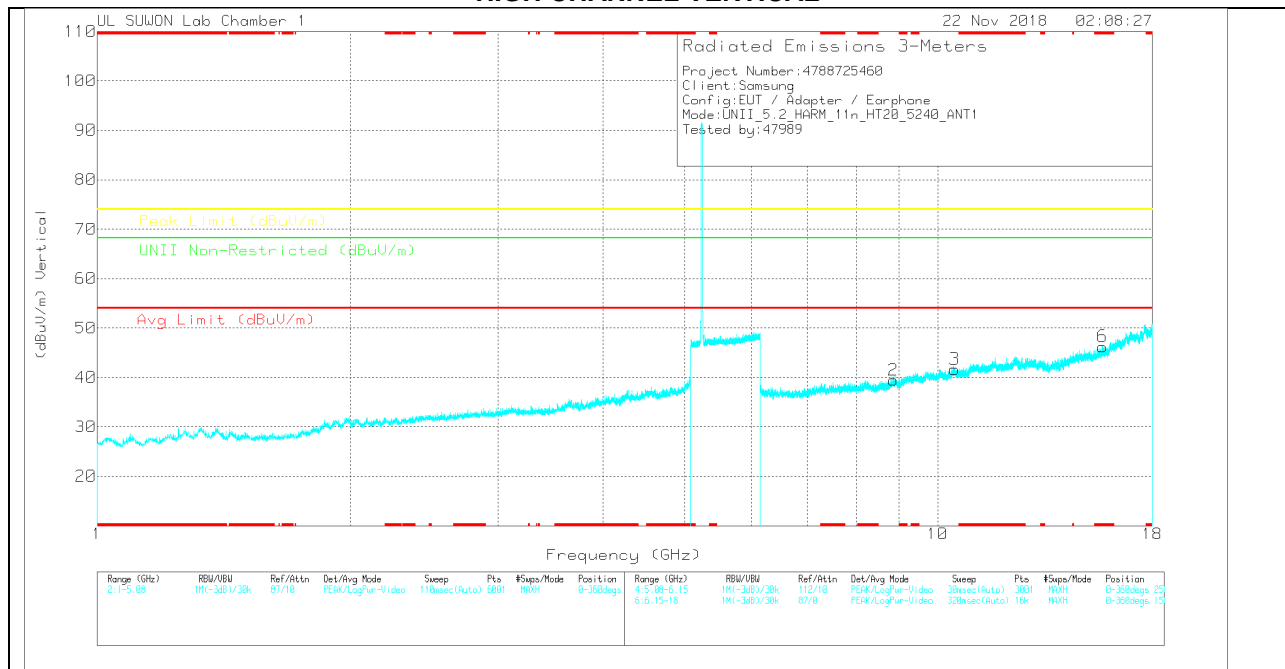
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.397	43.1	PK-U	37.6	-21.9	0	58.8	-	-	-	-	68.2	-9.4	182	216	H
10.394	36.42	PK-U	37.6	-21.9	0	52.12	-	-	-	-	68.2	-16.08	188	115	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	8.849	27.16	PK	36.5	-24.1	0	39.56	-	-	-	-	68.2	-28.64	0-360	150	H
4	10.474	28.09	PK	37.7	-21.7	0	44.09	-	-	-	-	68.2	-24.11	0-360	250	H
5	* 15.724	26.44	PK	40.4	-21	0	45.84	-	-	74	-28.16	-	-	0-360	150	H
2	8.85	26.95	PK	36.5	-24	0	39.45	-	-	-	-	68.2	-28.75	0-360	250	V
3	10.475	25.77	PK	37.7	-21.8	0	41.67	-	-	-	-	68.2	-26.53	0-360	250	V
6	* 15.718	26.86	PK	40.4	-21	0	46.26	-	-	74	-27.74	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

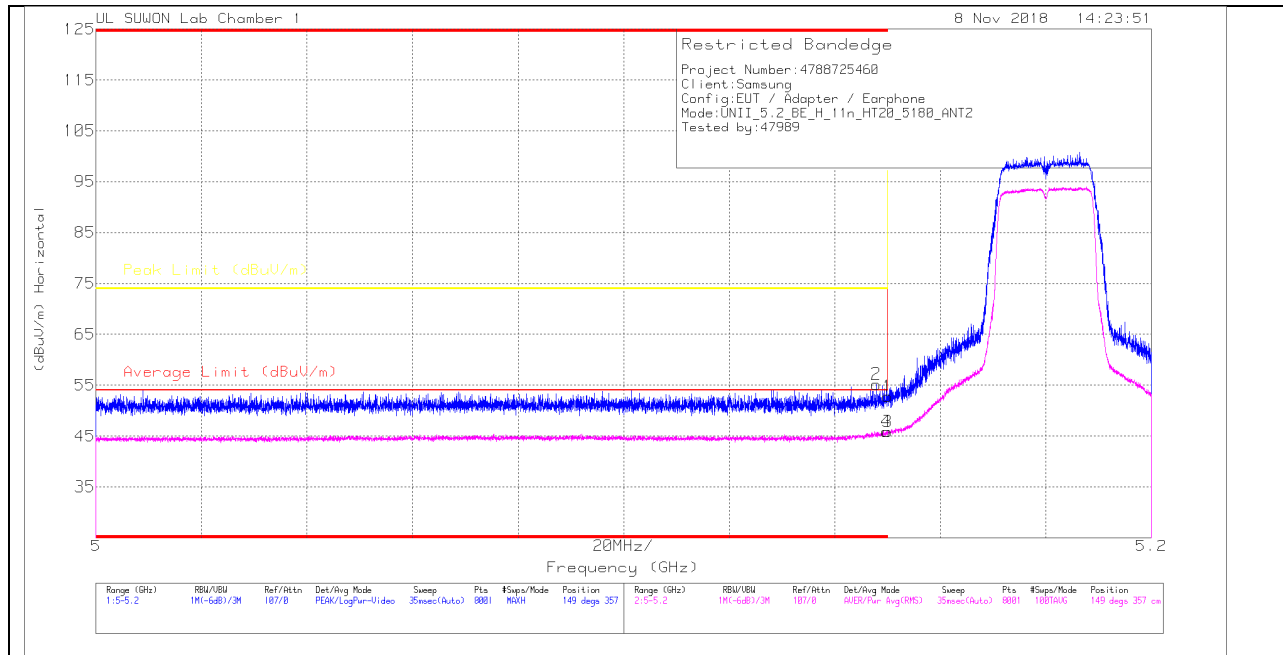
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.478	40.62	PK-U	37.7	-21.8	0	56.52	-	-	-	-	68.2	-11.68	112	223	H
10.49	35.99	PK-U	37.7	-22	0	51.69	-	-	-	-	68.2	-16.51	90	121	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.6.TX Above 1GHz 802.11n HT20 1Tx ANT2 IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

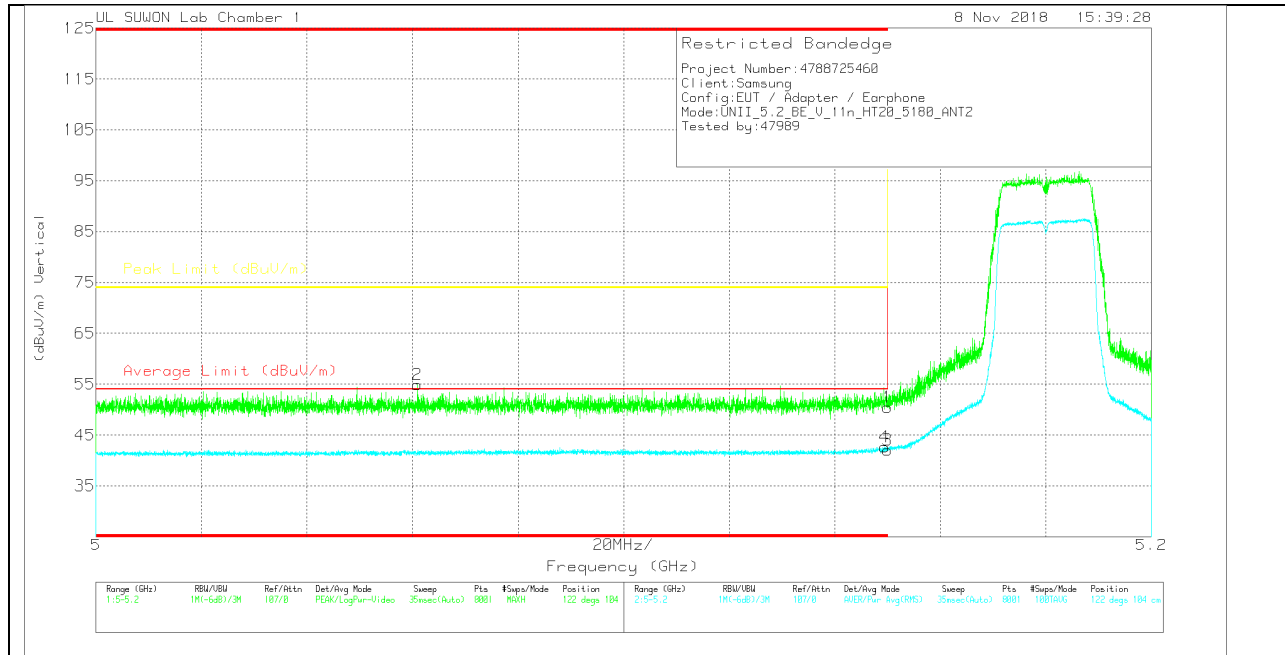
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	40.1	Pk	34.5	-21.8	0	52.8	-	-	74	-21.2	149	357	H
2	* 5.148	42.61	Pk	34.4	-21.8	0	55.21	-	-	74	-18.79	149	357	H
3	5.15	30.34	RMS	34.5	-22	3.03	45.87	54	-8.13	-	-	149	357	H
4	* 5.15	30.47	RMS	34.4	-22	3.03	45.9	54	-8.1	-	-	149	357	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	37.7	Pk	34.5	-21.8	0	50.4	-	-	74	-23.6	122	104	V
2	* 5.061	42.27	Pk	34.3	-21.7	0	54.87	-	-	74	-19.13	122	104	V
3	5.15	29.59	RMS	34.5	-22	0	42.09	54	-11.91	-	-	122	104	V
4	* 5.149	30.23	RMS	34.4	-22	0	42.63	54	-11.37	-	-	122	104	V

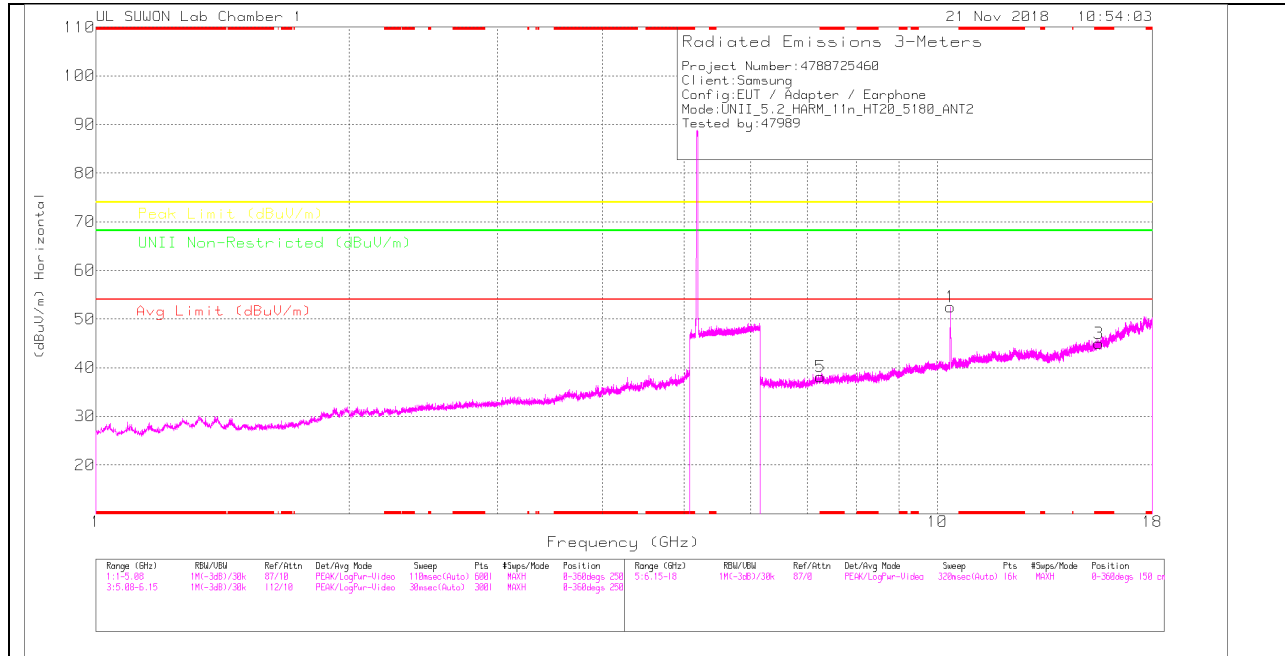
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

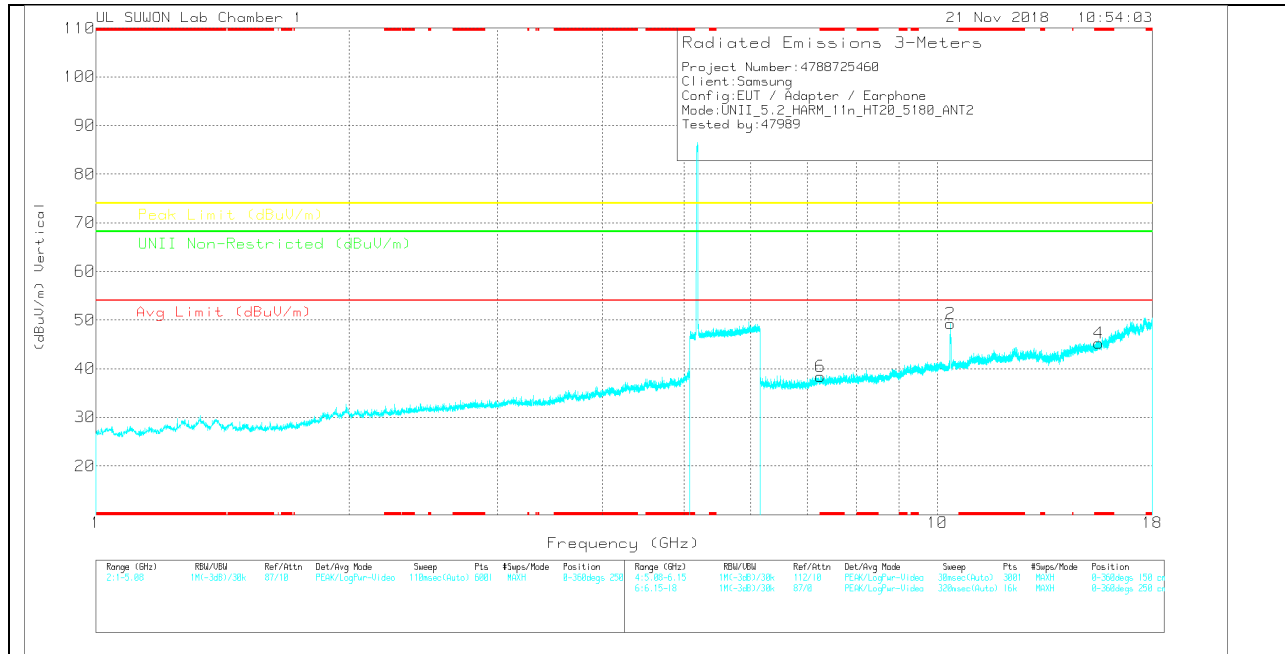
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	10.361	37.18	PK	37.6	-22.3	0	52.48	-	-	-	-	68.2	-15.72	0-360	250	H
3	* 15.538	25.48	PK	40.2	-20.7	0	44.98	-	-	74	-29.02	-	-	0-360	150	H
5	* 7.261	29.24	PK	35.8	-26.9	0	38.14	-	-	74	-35.86	-	-	0-360	150	H
2	10.36	33.99	PK	37.6	-22.3	0	49.29	-	-	-	-	68.2	-18.91	0-360	250	V
4	* 15.541	25.79	PK	40.2	-20.8	0	45.19	-	-	74	-28.81	-	-	0-360	250	V
6	* 7.261	29.51	PK	35.8	-26.9	0	38.41	-	-	74	-35.59	-	-	0-360	150	V

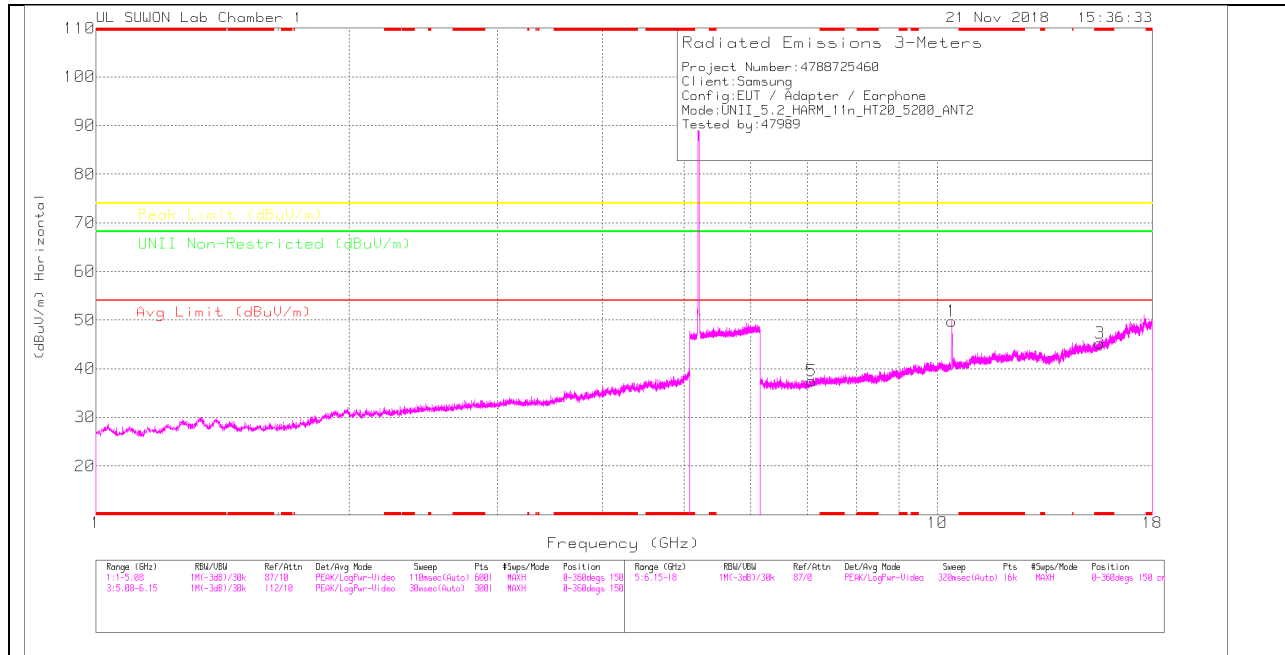
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

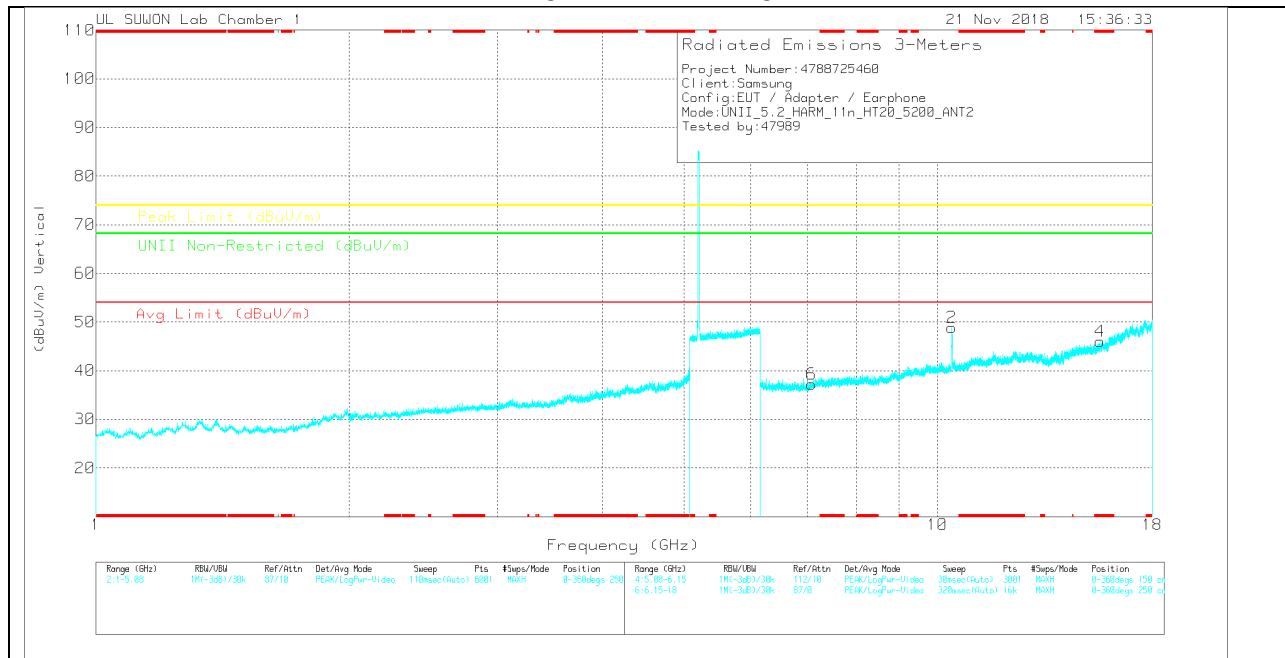
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.359	49.6	PK-U	37.6	-22.3	0	64.9	-	-	-	-	68.2	-3.3	102	100	H
10.358	46.76	PK-U	37.6	-22.3	0	62.06	-	-	-	-	68.2	-6.14	213	266	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	10.4	33.95	PK	37.6	-21.8	0	49.75	-	-	-	-	68.2	-18.45	0-360	250	H
3	* 15.602	26.34	PK	40.2	-21.3	0	45.24	-	-	74	-28.76	-	-	0-360	150	H
5	7.085	29.37	PK	35.8	-27.7	0	37.47	-	-	-	-	68.2	-30.73	0-360	150	H
2	10.399	33.08	PK	37.6	-21.8	0	48.88	-	-	-	-	68.2	-19.32	0-360	250	V
4	* 15.599	27.14	PK	40.2	-21.3	0	46.04	-	-	74	-27.96	-	-	0-360	250	V
6	7.092	29.15	PK	35.8	-27.7	0	37.25	-	-	-	-	68.2	-30.95	0-360	150	V

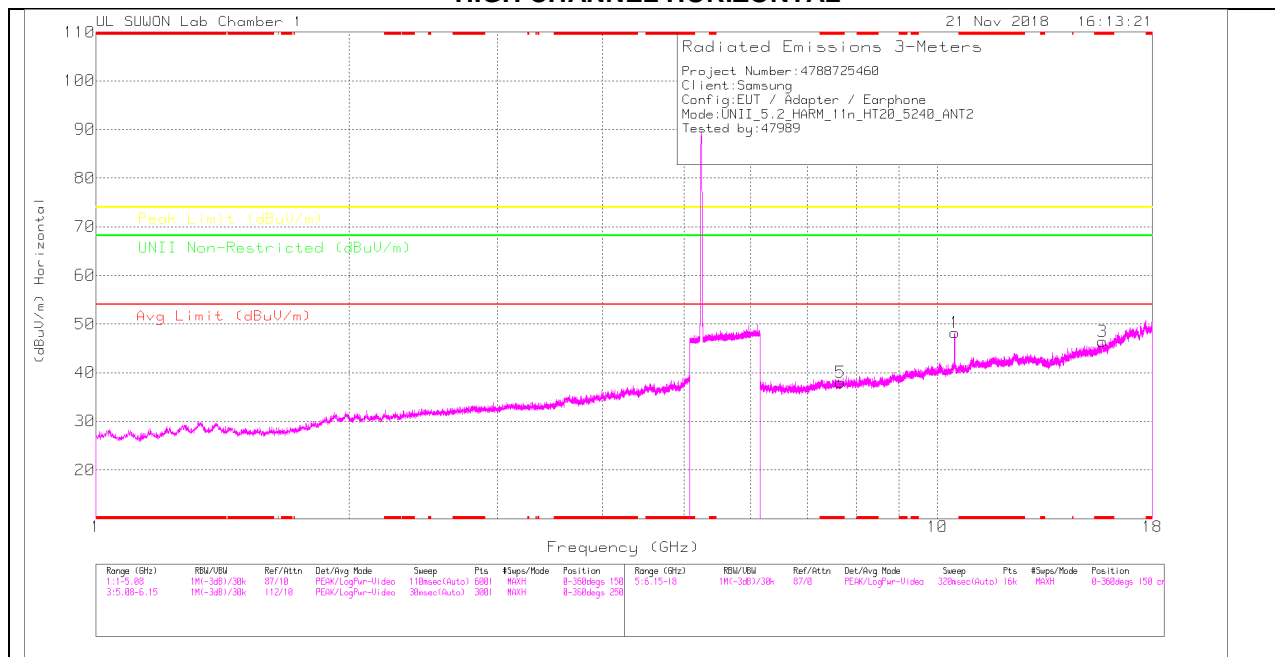
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

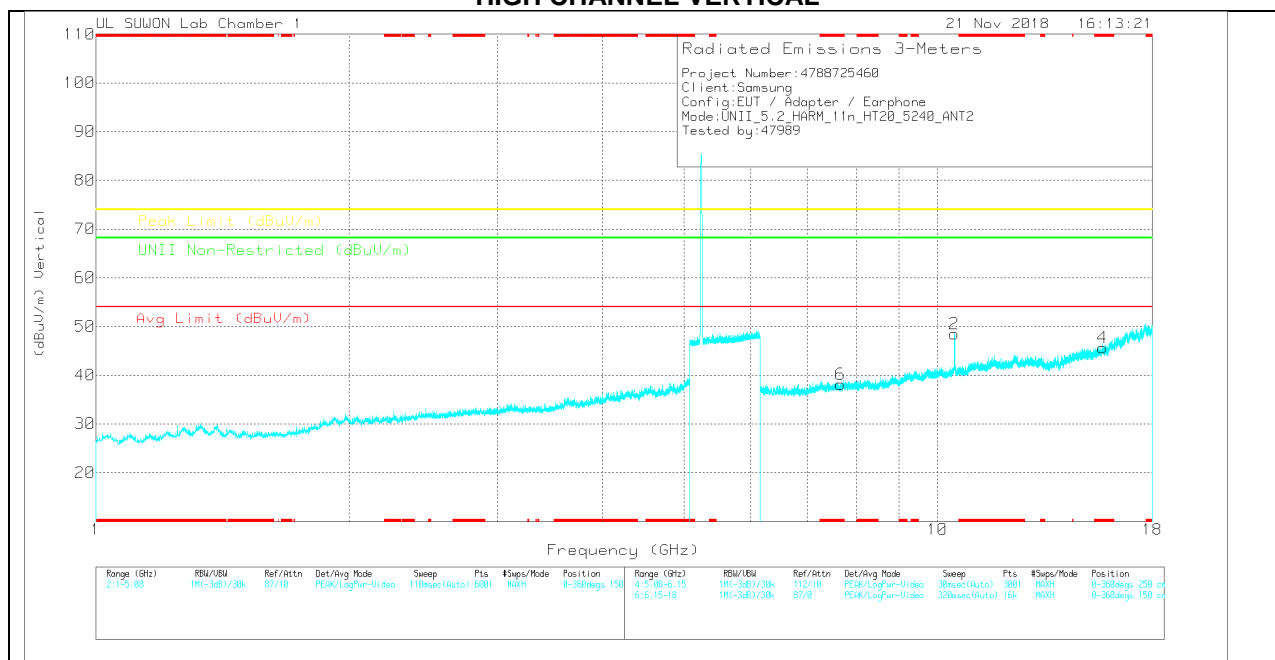
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.399	47.52	PK-U	37.6	-21.8	0	63.32	-	-	-	-	68.2	-4.88	108	103	H
10.402	46.37	PK-U	37.6	-21.7	0	62.27	-	-	-	-	68.2	-5.93	211	267	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	10.48	32.27	PK	37.7	-21.8	0	48.17	-	-	-	-	68.2	-20.03	0-360	250	H
3	* 15.715	27.05	PK	40.4	-21	0	46.45	-	-	74	-27.55	-	-	0-360	150	H
5	* 7.666	29.12	PK	35.8	-26.9	0	38.02	-	-	74	-35.98	-	-	0-360	150	H
2	10.476	32.51	PK	37.7	-21.7	0	48.51	-	-	-	-	68.2	-19.69	0-360	250	V
4	* 15.721	26.18	PK	40.4	-21	0	45.58	-	-	74	-28.42	-	-	0-360	250	V
6	* 7.67	29.17	PK	35.9	-26.9	0	38.17	-	-	74	-35.83	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

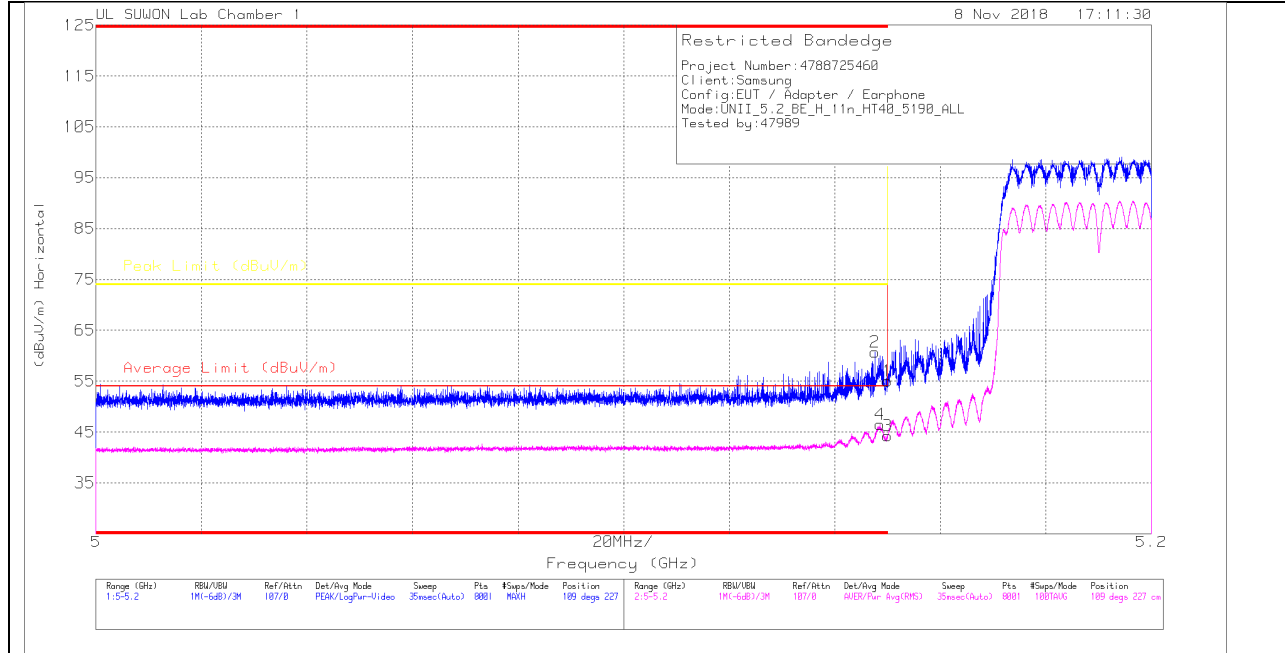
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.481	47.15	PK-U	37.7	-21.8	0	63.05	-	-	-	-	68.2	-5.15	105	100	H
10.482	45.9	PK-U	37.7	-21.8	0	61.8	-	-	-	-	68.2	-6.4	218	227	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.7. TX Above 1GHz 802.11n HT40 2Tx CDD MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

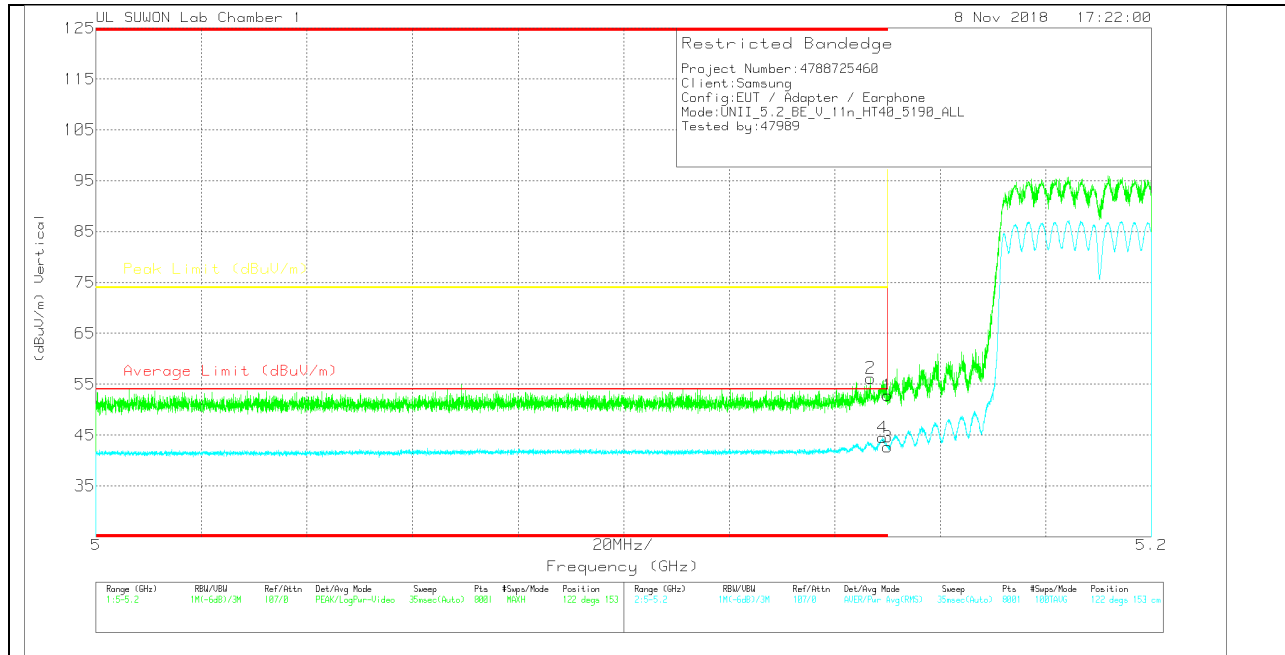
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.34	Pk	34.5	-21.8	0	55.04	-	-	74	-18.96	109	227	H
2	* 5.148	48.16	Pk	34.4	-21.8	0	60.76	-	-	74	-13.24	109	227	H
3	5.15	31.76	RMS	34.5	-22	0	44.26	54	-9.74	-	-	109	227	H
4	* 5.149	34.08	RMS	34.4	-22	0	46.48	54	-7.52	-	-	109	227	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	40.09	Pk	34.5	-21.8	0	52.79	-	-	74	-21.21	122	153	V
2	* 5.147	43.6	Pk	34.4	-21.8	0	56.2	-	-	74	-17.8	122	153	V
3	5.15	30.16	RMS	34.5	-22	0	42.66	54	-11.34	-	-	122	153	V
4	* 5.149	32.06	RMS	34.4	-22	0	44.46	54	-9.54	-	-	122	153	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection