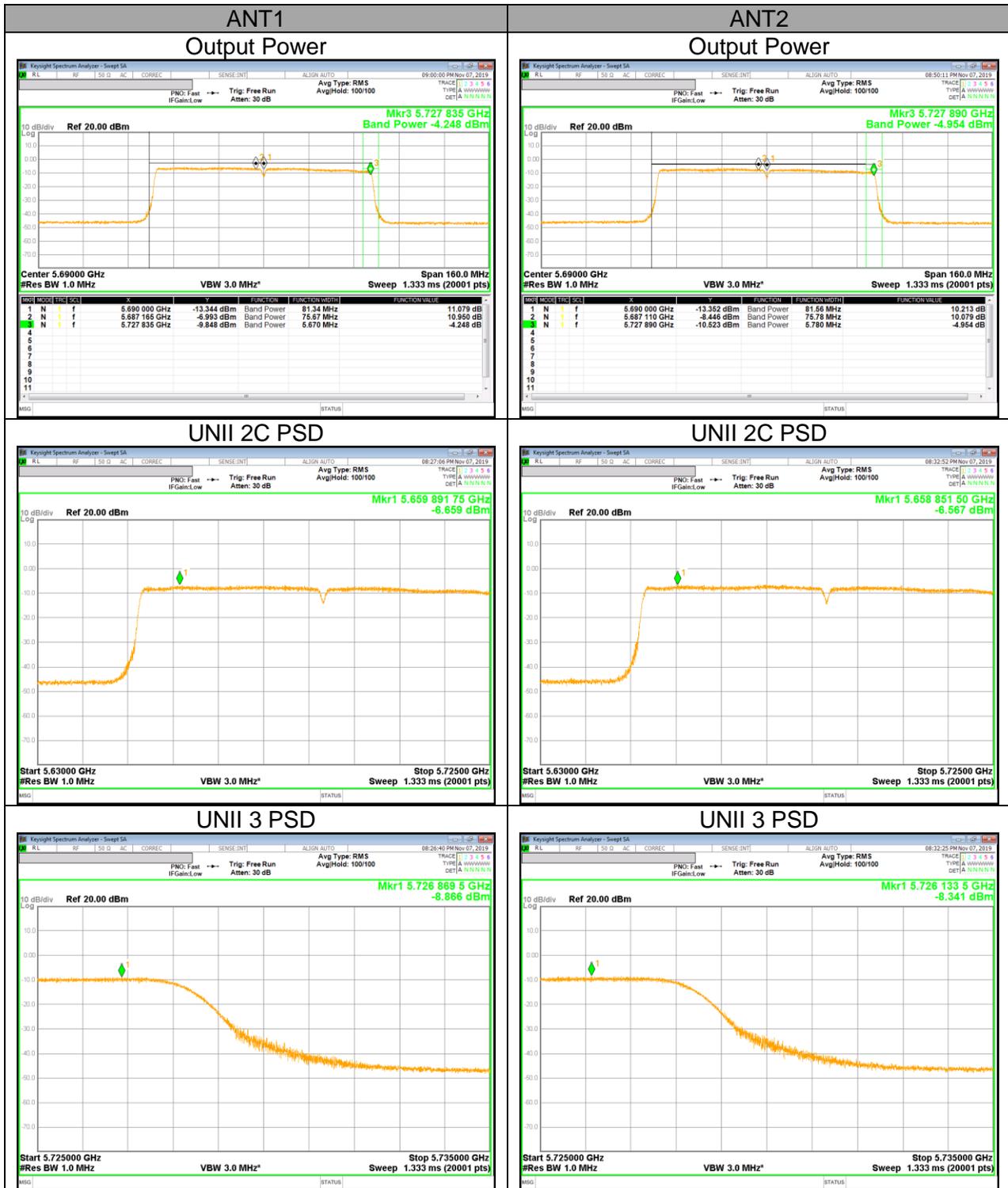


UNII Straddle Ch. IEEE 802.11ac VHT80 mode Ourput Power and PSD



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 Part 15.205 (a) : Only spurious emissions are permitted in any of the frequency bands listed below :

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	8.41425 ~ 8.41475	108 ~ 121.94	1300 ~ 1427	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.29 ~ 12.293	123 ~ 138	1435 ~ 1626.5	5.35 ~ 5.46	15.35 ~ 16.2
2.1735 ~ 2.1905	12.51975 ~ 12.52025	149.9 ~ 150.05	1645.5 ~ 1646.5	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	12.57675 ~ 12.57725	156.52475 ~ 156.52525	1660 ~ 1710	8.025 ~ 8.5	22.01 ~ 23.12
4.17725 ~ 4.17775	13.36 ~ 13.41	156.7 ~ 156.9	1718.8 ~ 1722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.20725 ~ 4.20775	16.42 ~ 16.423	162.0125 ~ 167.17	2200 ~ 2300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.69475 ~ 16.69525	167.72 ~ 173.2	2310 ~ 2390	10.6 ~ 12.7	36.43 ~ 36.5
6.26775 ~ 6.26825	16.80425 ~ 16.80475	240 ~ 285	2483.5 ~ 2500	13.25 ~ 13.4	Above 38.6
6.31175 ~ 6.31225	25.5 ~ 25.67	322 ~ 335.4	2655 ~ 2900		
8.291 ~ 8.294	37.5 ~ 38.25	399.90 ~ 410	3260 ~ 3267		
8.362 ~ 8.366	73 ~ 74.6	608 ~ 614	3332 ~ 3339		
8.37625 ~ 8.38675	74.8 ~ 75.2	960 ~ 1240	3345.8 ~ 3358 3600 ~ 4400		

▪ FCC Part 15.205(b) : The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

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 100 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.

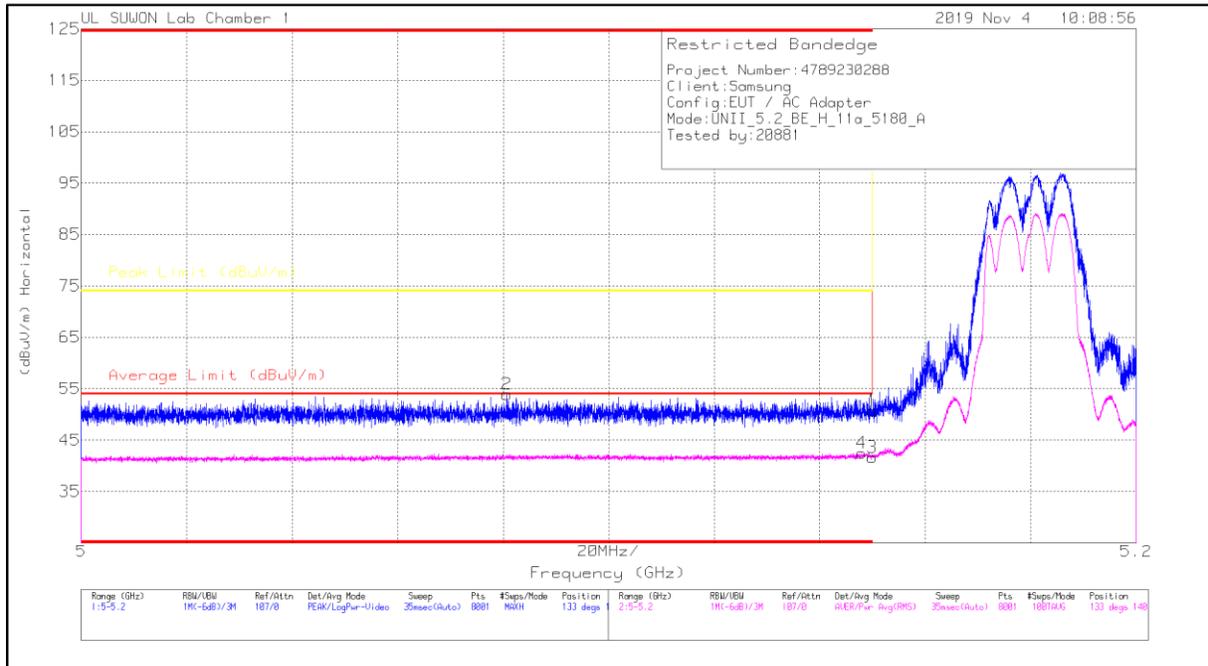
Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

11.1. 5.2 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

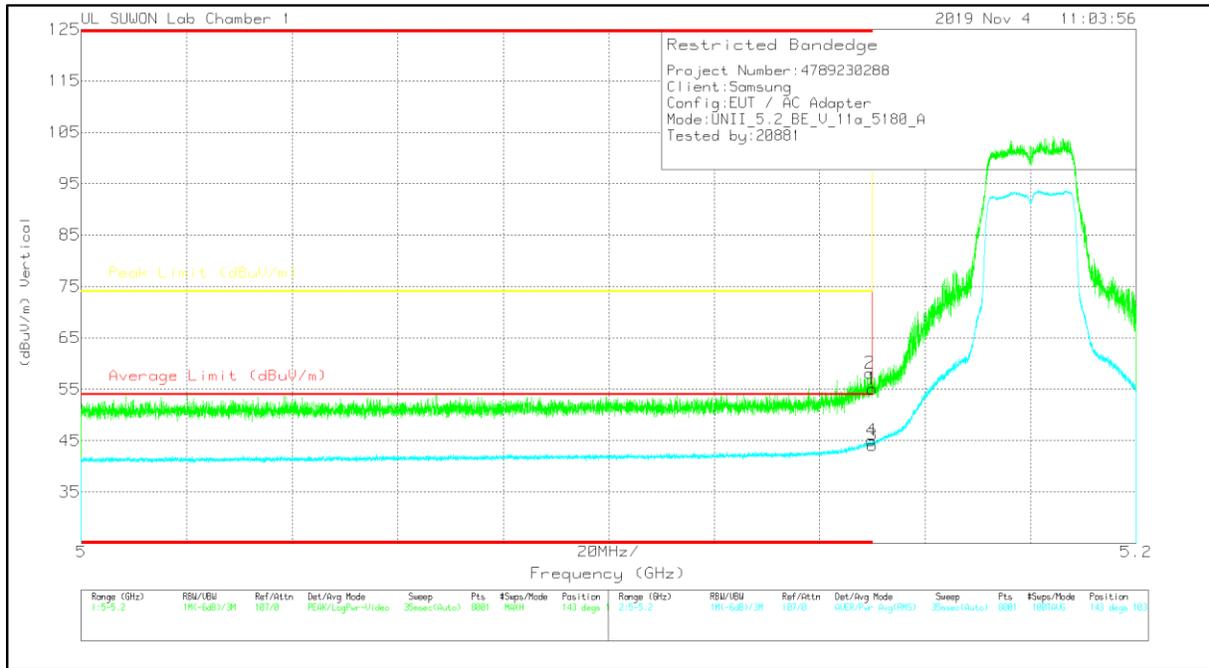
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	37.98	Pk	34.5	-21.8	0	50.68	-	-	74	-23.32	133	140	H
2	* 5.08068	41.31	Pk	34.3	-21.7	0	53.91	-	-	74	-20.09	133	140	H
3	5.15	28.92	RMS	34.5	-21.8	0	41.62	54	-12.38	-	-	133	140	H
4	* 5.14798	29.97	RMS	34.4	-21.9	0	42.47	54	-11.53	-	-	133	140	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[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	42.35	Pk	34.5	-21.8	0	55.05	-	-	74	-18.95	143	103	V
2	* 5.14948	45.54	Pk	34.4	-21.8	0	58.14	-	-	74	-15.86	143	103	V
3	5.15	31.42	RMS	34.5	-21.8	0	44.12	54	-9.88	-	-	143	103	V
4	* 5.1498	32.44	RMS	34.4	-21.8	0	45.04	54	-8.96	-	-	143	103	V

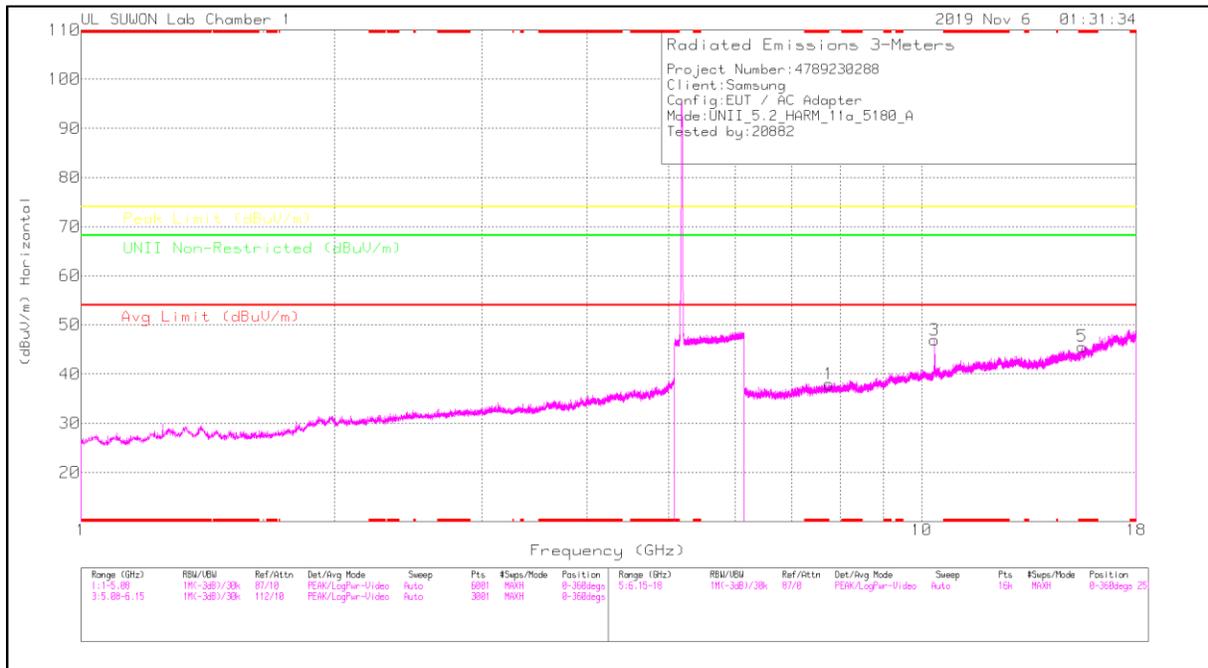
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

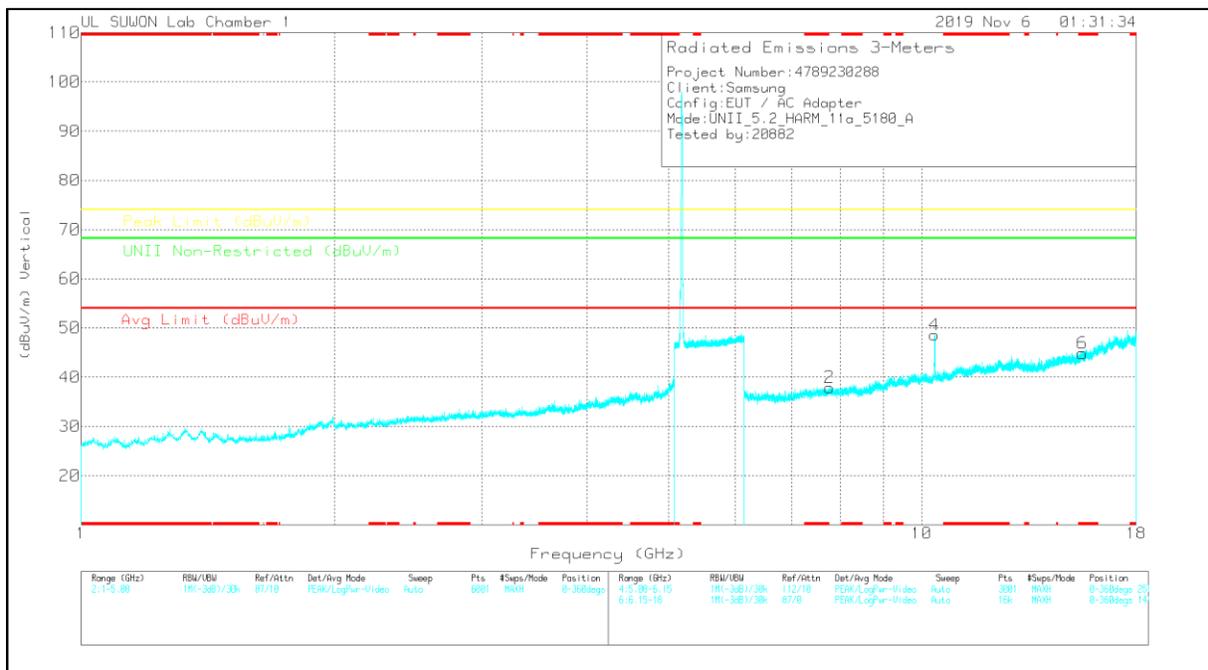
RMS - RMS detection

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.75261	28.65	PK	35.9	-26.6	0	37.95	-	-	-	-	68.2	-30.25	0-360	250	H
3	10.36019	31.63	PK	37.6	-22.3	0	46.93	-	-	-	-	68.2	-21.27	0-360	250	H
5	* 15.52129	26.2	PK	40.1	-20.7	0	45.6	-	-	74	-28.4	-	-	0-360	150	H
2	7.76965	28.59	PK	35.9	-26.6	0	37.89	-	-	-	-	68.2	-30.31	0-360	250	V
4	10.36167	33.3	PK	37.6	-22.3	0	48.6	-	-	-	-	68.2	-19.6	0-360	250	V
6	* 15.53536	25.64	PK	40.2	-21	0	44.84	-	-	74	-29.16	-	-	0-360	250	V

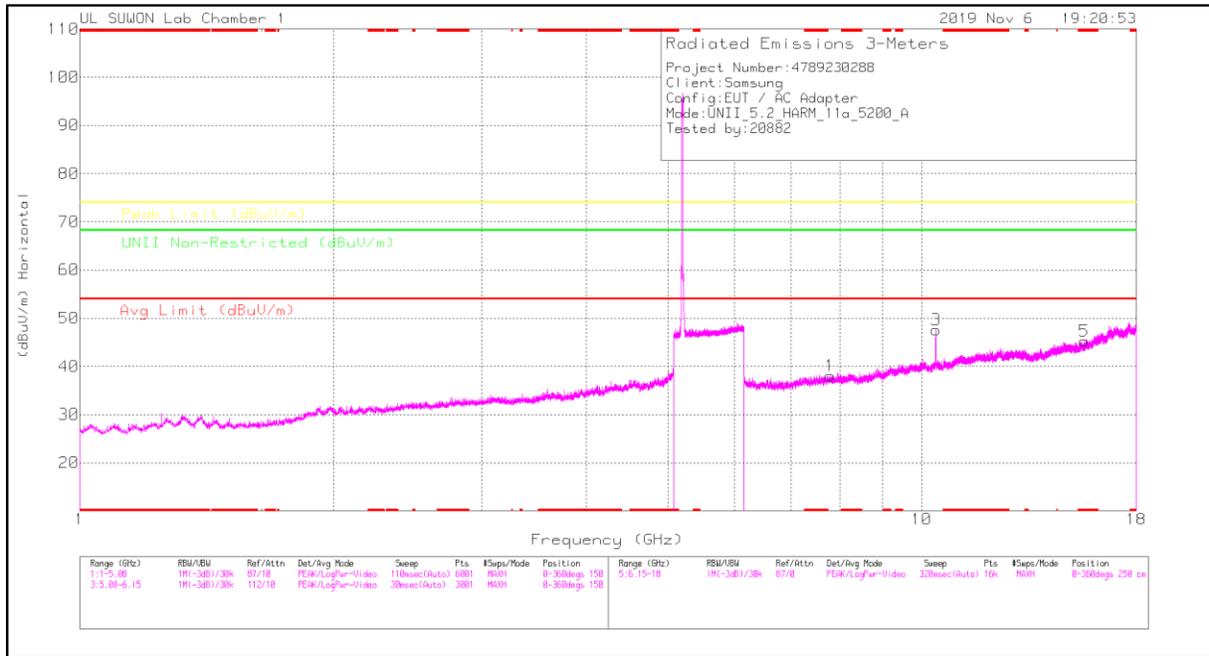
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

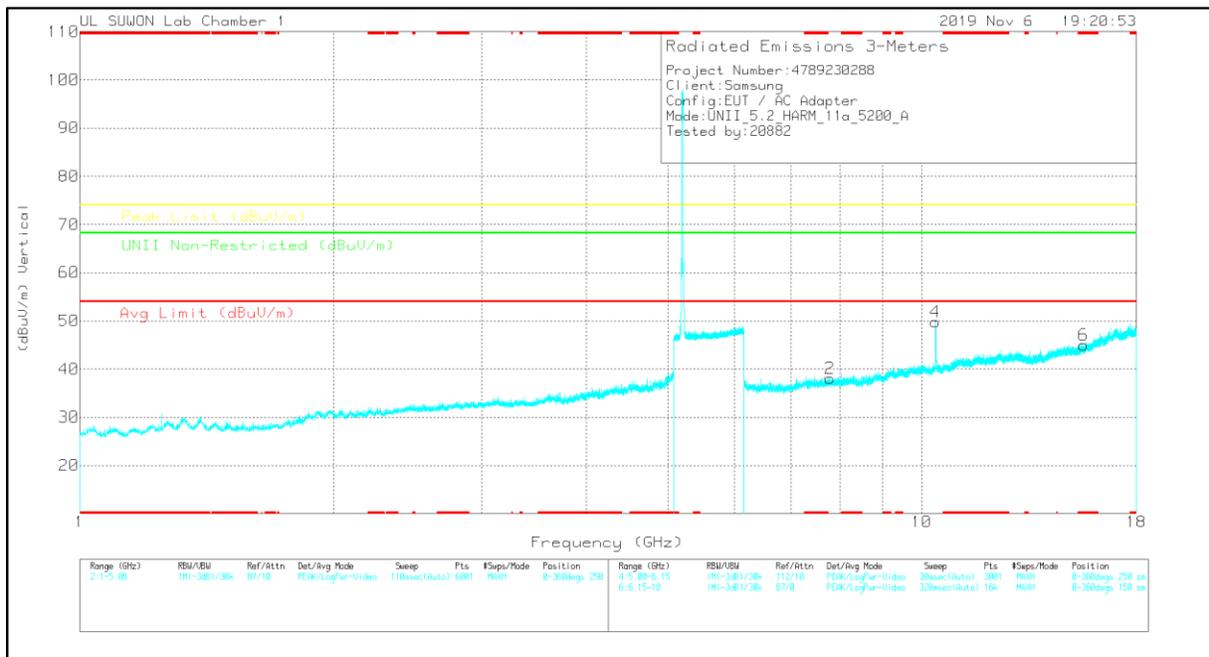
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.75365	39.09	PK-U	35.9	-26.6	0	48.39	-	-	-	-	68.2	-19.81	360	100	H
7.75174	38.8	PK-U	35.9	-26.6	0	48.1	-	-	-	-	68.2	-20.1	360	100	V
10.36595	43.97	PK-U	37.6	-22.1	0	59.47	-	-	-	-	68.2	-8.73	192	225	H
10.36567	47.06	PK-U	37.6	-22.1	0	62.56	-	-	-	-	68.2	-5.64	157	384	V
* 15.52119	35.21	PK-U	40.1	-20.7	0	54.61	-	-	74	-19.39	-	-	360	100	H
* 15.52078	35.3	PK-U	40.1	-20.7	0	54.7	-	-	74	-19.3	-	-	360	100	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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.78594	28.83	PK	35.9	-26.6	0	38.13	-	-	-	-	68.2	-30.07	0-360	150	H
3	10.40092	31.59	PK	37.6	-21.6	0	47.59	-	-	-	-	68.2	-20.61	0-360	250	H
5	* 15.60349	26.3	PK	40.2	-21.3	0	45.2	-	-	74	-28.8	-	-	0-360	250	H
2	7.78446	28.68	PK	35.9	-26.5	0	38.08	-	-	-	-	68.2	-30.12	0-360	250	V
4	10.39574	33.85	PK	37.6	-21.6	0	49.85	-	-	-	-	68.2	-18.35	0-360	250	V
6	* 15.59016	26.16	PK	40.2	-21.4	0	44.96	-	-	74	-29.04	-	-	0-360	250	V

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

PK – Peak Detector

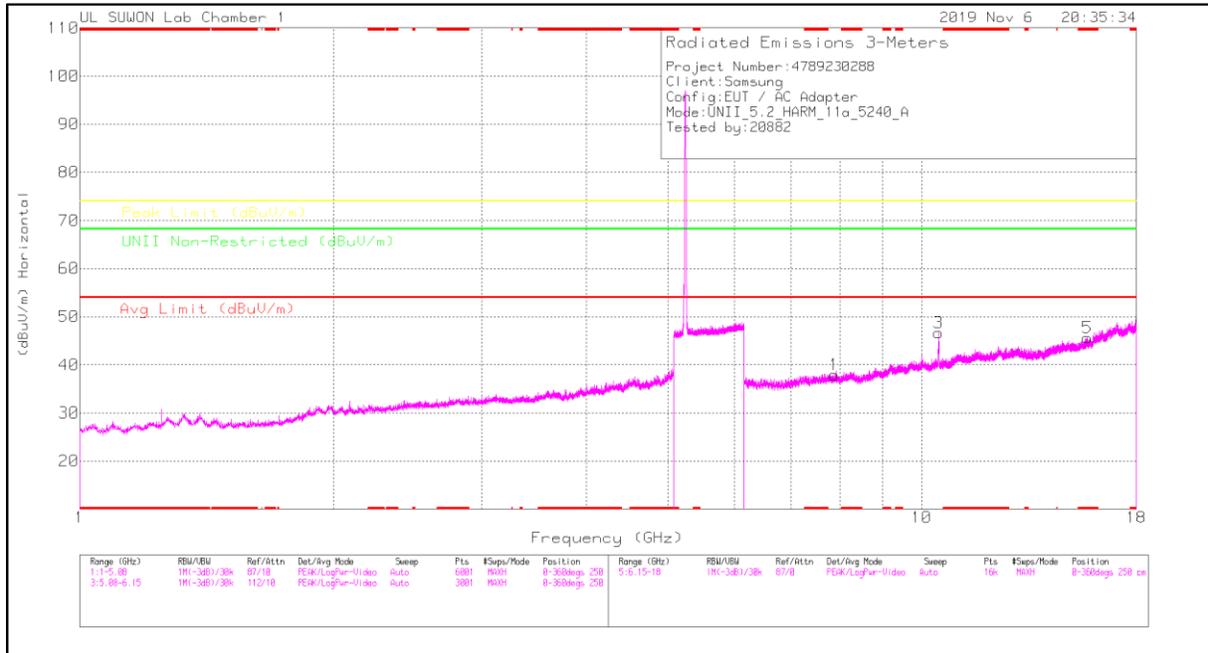
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
7.78687	34.78	PK-U	35.9	-26.6	0	44.08	-	-	-	-	68.2	-24.12	360	100	H
7.78681	38.89	PK-U	35.9	-26.6	0	48.18	-	-	-	-	68.2	-20.02	360	100	V
10.40568	42.23	PK-U	37.6	-21.6	0	58.23	-	-	-	-	68.2	-9.97	180	225	H
10.40552	45.99	PK-U	37.6	-21.6	0	61.99	-	-	-	-	68.2	-6.21	159	381	V
* 15.60507	35.92	PK-U	40.2	-21.2	0	54.92	-	-	74	-19.08	-	-	360	100	H
* 15.60194	35.82	PK-U	40.2	-21.3	0	54.72	-	-	74	-19.28	-	-	360	100	V

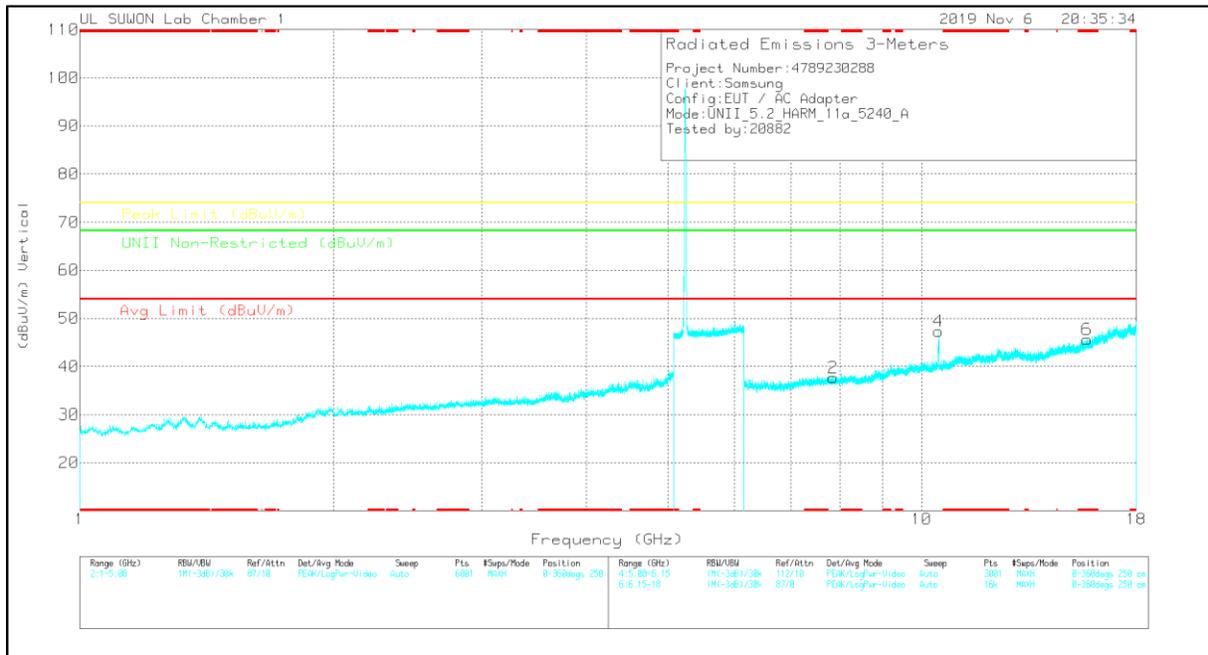
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.87481	28.53	PK	35.9	-26.5	0	37.93	-	-	-	-	68.2	-30.27	0-360	250	H
3	10.47868	31.34	PK	37.7	-22.4	0	46.64	-	-	-	-	68.2	-21.56	0-360	250	H
5	* 15.74198	26.01	PK	40.4	-20.8	0	45.61	-	-	74	-28.39	-	-	0-360	150	H
2	7.85555	28.62	PK	35.9	-26.8	0	37.72	-	-	-	-	68.2	-30.48	0-360	150	V
4	10.48091	32.06	PK	37.7	-22.4	0	47.36	-	-	-	-	68.2	-20.84	0-360	250	V
6	* 15.72865	26.29	PK	40.4	-21	0	45.69	-	-	74	-28.31	-	-	0-360	250	V

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

Radiated Emissions

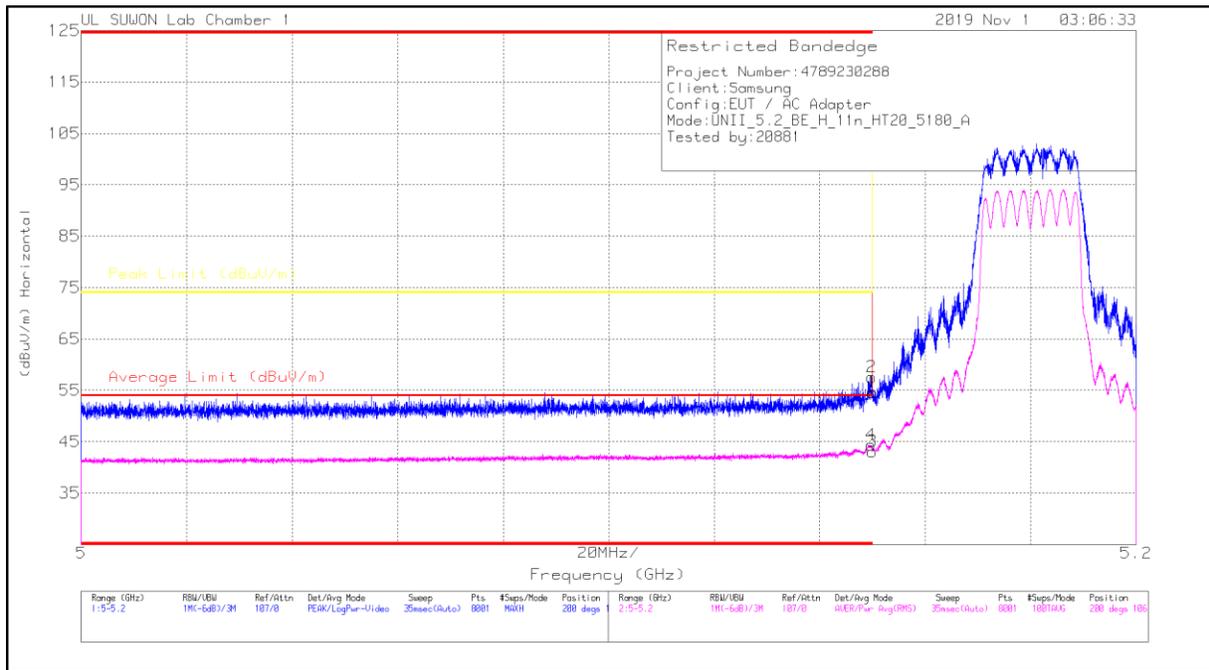
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.87317	38.1	PK-U	35.9	-26.5	0	47.5	-	-	-	-	68.2	-20.7	360	100	H
7.87451	38	PK-U	35.9	-26.5	0	47.4	-	-	-	-	68.2	-20.8	360	100	V
10.47916	43.17	PK-U	37.7	-22.4	0	58.47	-	-	-	-	68.2	-9.73	132	235	H
10.47984	45.9	PK-U	37.7	-22.4	0	61.2	-	-	-	-	68.2	-7	162	374	V
* 15.74137	35.31	PK-U	40.4	-20.8	0	54.91	-	-	74	-19.09	-	-	0	100	H
* 15.74207	35.43	PK-U	40.4	-20.8	0	55.03	-	-	74	-18.97	-	-	0	100	V

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

11.1.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

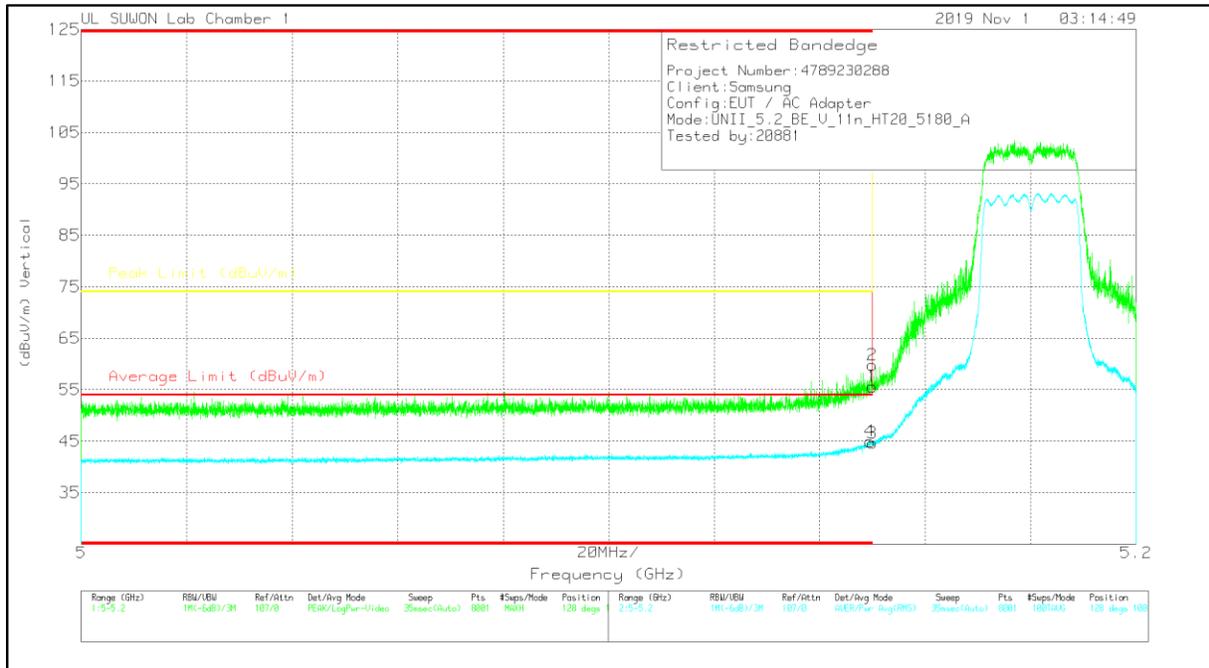
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	41.93	Pk	34.5	-21.8	0	54.63	-	-	74	-19.37	200	106	H
2	* 5.14983	44.97	Pk	34.4	-21.8	0	57.57	-	-	74	-16.43	200	106	H
3	5.15	30.43	RMS	34.5	-21.8	0	43.13	54	-10.87	-	-	200	106	H
4	* 5.14968	31.76	RMS	34.4	-21.8	0	44.36	54	-9.64	-	-	200	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[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	42.93	Pk	34.5	-21.8	0	55.63	-	-	74	-18.37	128	100	V
2	* 5.14998	47.19	Pk	34.4	-21.8	0	59.79	-	-	74	-14.21	128	100	V
3	5.15	31.93	RMS	34.5	-21.8	0	44.63	54	-9.37	-	-	128	100	V
4	* 5.14953	32.37	RMS	34.4	-21.8	0	44.97	54	-9.03	-	-	128	100	V

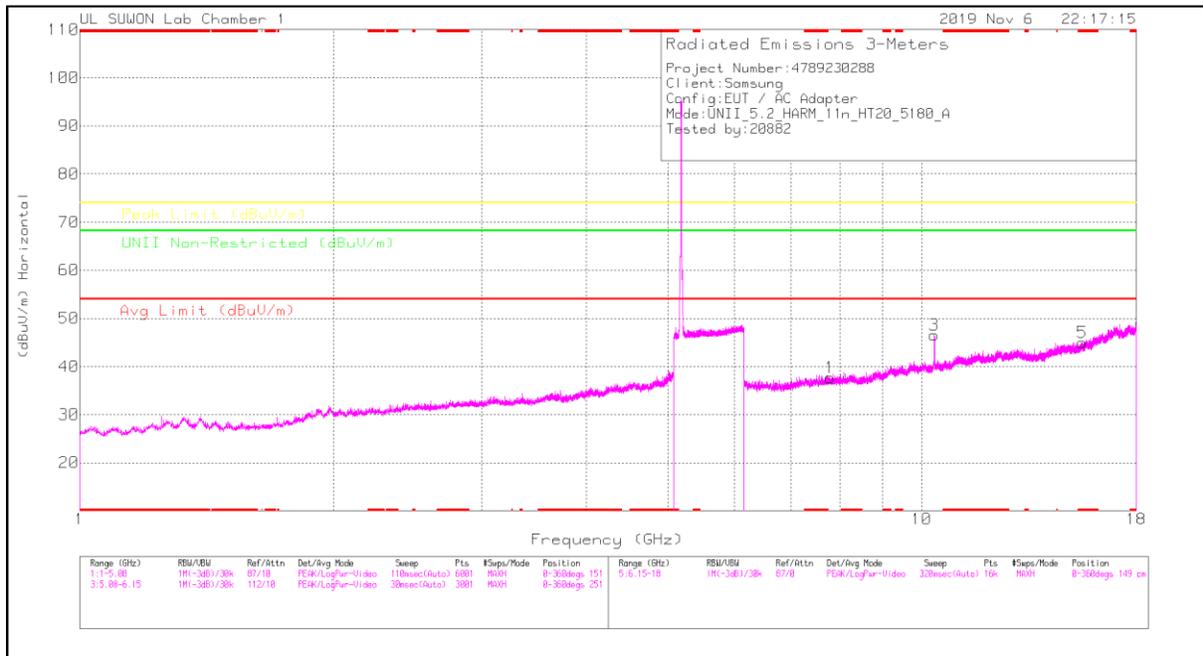
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

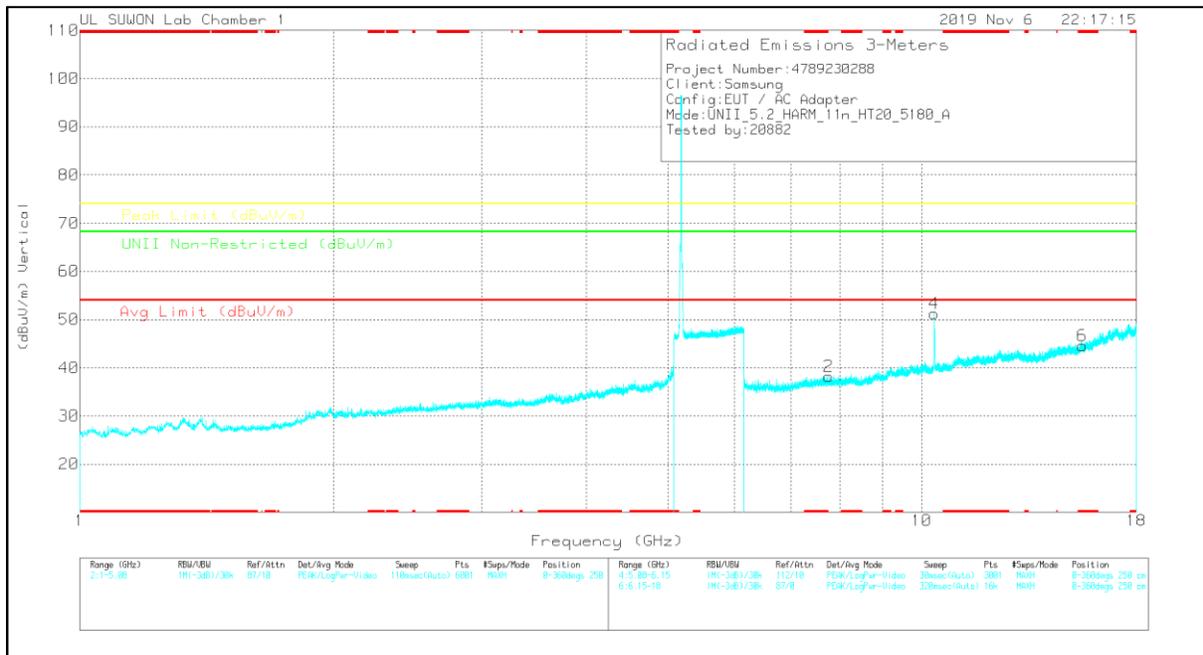
RMS - RMS detection

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.78594	28.35	PK	35.9	-26.6	0	37.65	-	-	-	-	68.2	-30.55	0-360	250	H
3	10.36019	31.26	PK	37.6	-22.3	0	46.56	-	-	-	-	68.2	-21.64	0-360	250	H
5	* 15.52277	25.68	PK	40.1	-20.8	0	44.98	-	-	74	-29.02	-	-	0-360	250	H
2	7.76372	28.76	PK	35.9	-26.5	0	38.16	-	-	-	-	68.2	-30.04	0-360	250	V
4	10.36019	35.85	PK	37.6	-22.3	0	51.25	-	-	-	-	68.2	-16.95	0-360	250	V
6	* 15.52425	25.34	PK	40.1	-20.8	0	44.64	-	-	74	-29.36	-	-	0-360	150	V

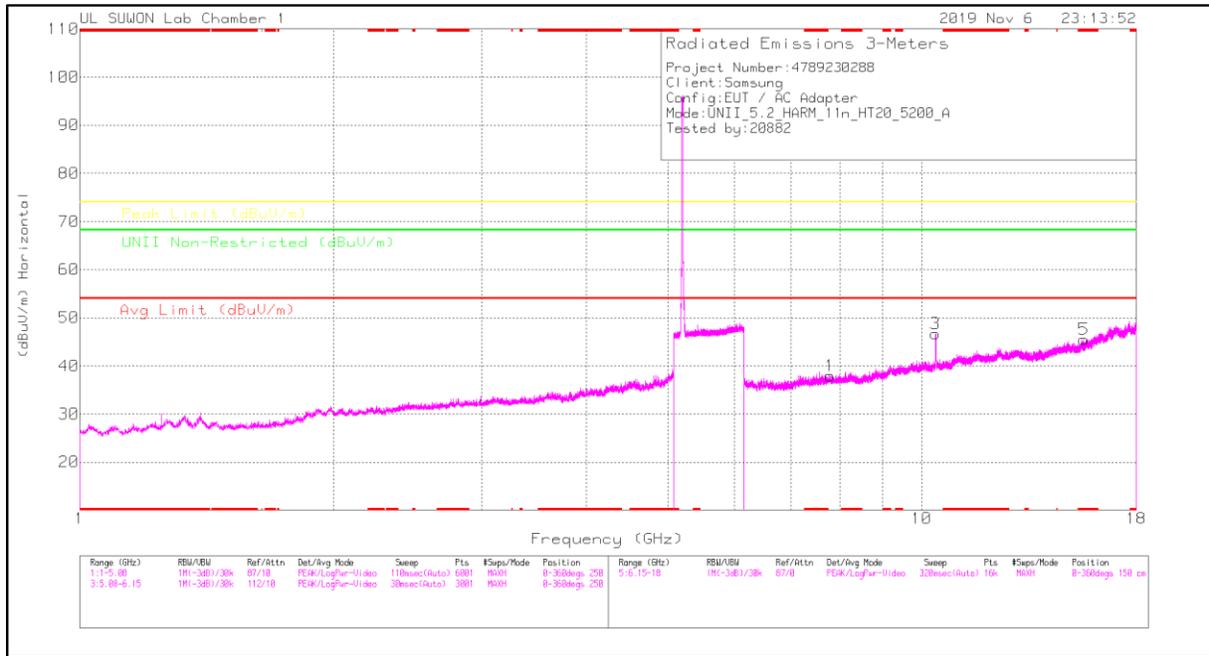
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

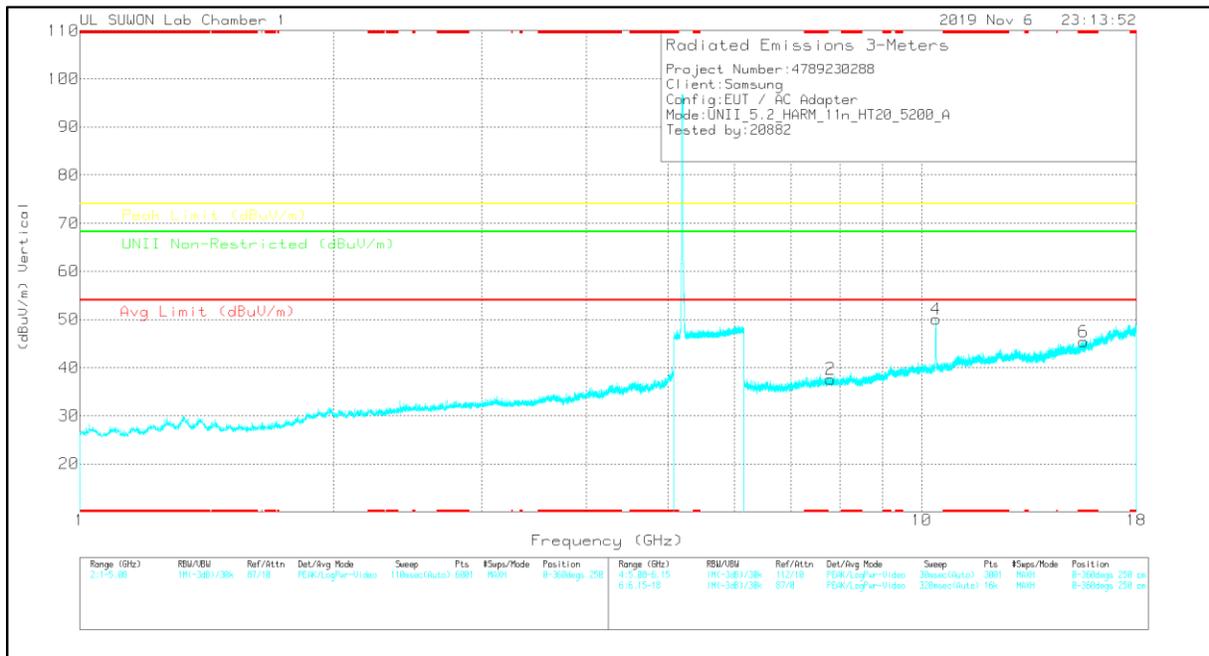
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.78698	38.82	PK-U	35.9	-26.6	0	48.12	-	-	-	-	68.2	-20.08	0	100	H
7.78497	38.11	PK-U	35.9	-26.5	0	47.51	-	-	-	-	68.2	-20.69	0	100	V
10.35527	43.48	PK-U	37.6	-22.3	0	58.78	-	-	-	-	68.2	-8.42	187	239	H
10.38351	46.71	PK-U	37.6	-22.2	0	62.11	-	-	-	-	68.2	-6.09	150	383	V
* 15.5213	35.46	PK-U	40.1	-20.7	0	54.86	-	-	74	-19.14	-	-	0	100	H
* 15.5237	35.67	PK-U	40.1	-20.8	0	54.97	-	-	74	-19.03	-	-	0	100	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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.78594	28.66	PK	35.9	-26.6	0	37.96	-	-	-	-	68.2	-30.24	0-360	250	H
3	10.39722	30.67	PK	37.6	-21.6	0	46.67	-	-	-	-	68.2	-21.53	0-360	250	H
5	* 15.59386	26.69	PK	40.2	-21.4	0	45.49	-	-	74	-28.51	-	-	0-360	150	H
2	7.79779	28.32	PK	35.9	-26.6	0	37.62	-	-	-	-	68.2	-30.58	0-360	150	V
4	10.39944	34.08	PK	37.6	-21.6	0	50.06	-	-	-	-	68.2	-18.12	0-360	250	V
6	* 15.58868	26.53	PK	40.2	-21.4	0	45.33	-	-	74	-28.67	-	-	0-360	150	V

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

PK – Peak Detector

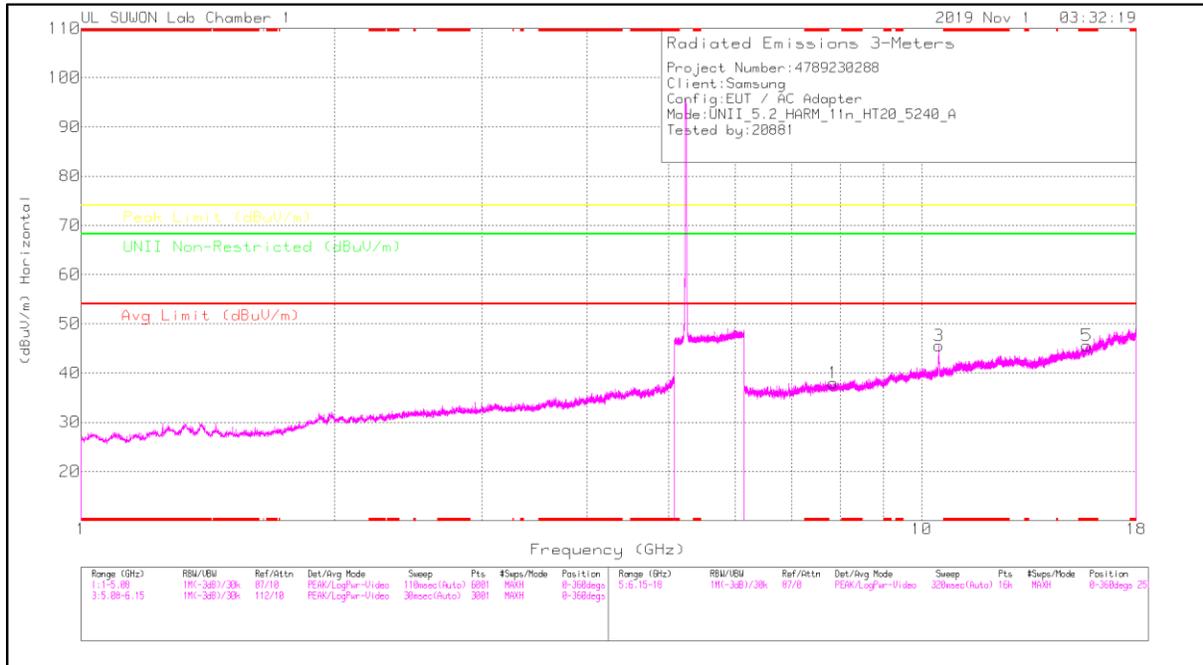
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
7.78935	38.34	PK-U	35.9	-26.6	0	47.64	-	-	-	-	68.2	-20.56	0	100	H
7.78122	39.51	PK-U	35.9	-26.6	0	48.81	-	-	-	-	68.2	-19.39	0	100	V
10.40318	42.08	PK-U	37.6	-21.6	0	58.08	-	-	-	-	68.2	-10.12	180	219	H
10.40214	45.25	PK-U	37.6	-21.6	0	61.25	-	-	-	-	68.2	-6.95	150	379	V
* 15.59578	35.44	PK-U	40.2	-21.5	0	54.14	-	-	74	-19.86	-	-	0	100	H
* 15.59476	35.49	PK-U	40.2	-21.5	0	54.19	-	-	74	-19.81	-	-	0	100	V

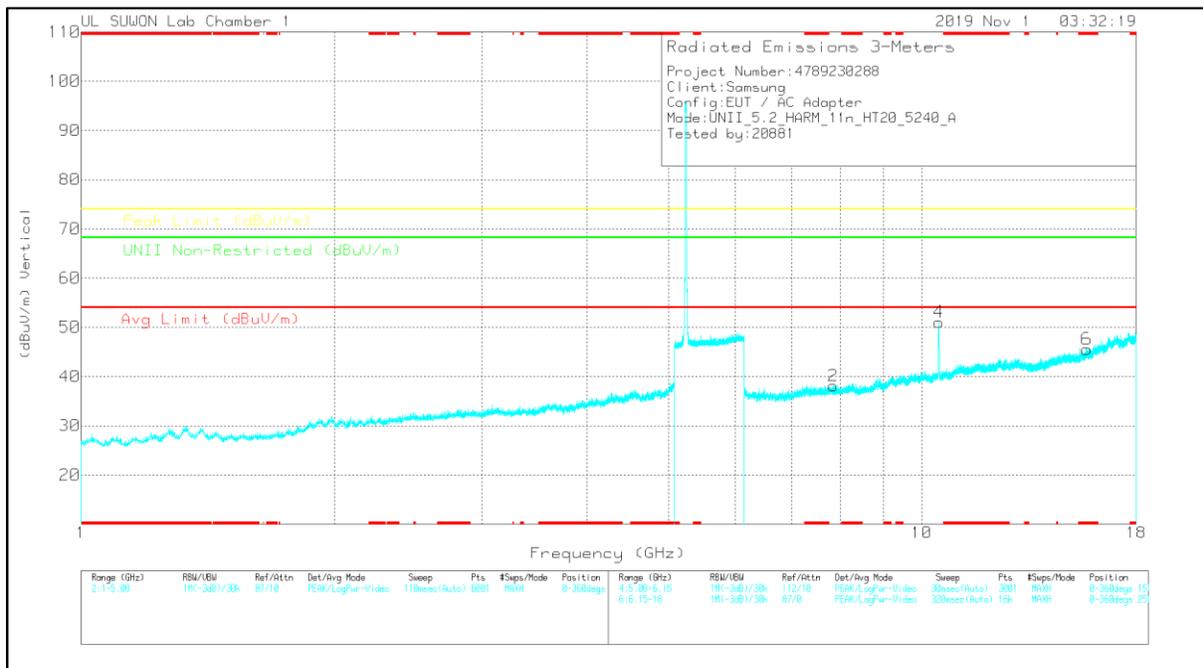
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.85037	28.76	PK	35.9	-26.7	0	37.96	-	-	-	-	68.2	-30.24	0-360	250	H
3	10.47942	30.23	PK	37.7	-22.4	0	45.53	-	-	-	-	68.2	-22.67	0-360	250	H
5	* 15.72272	26.25	PK	40.4	-21.1	0	45.55	-	-	74	-28.45	-	-	0-360	150	H
2	7.85185	28.89	PK	35.9	-26.7	0	38.09	-	-	-	-	68.2	-30.11	0-360	150	V
4	10.4772	35.74	PK	37.7	-22.4	0	51.04	-	-	-	-	68.2	-17.16	0-360	250	V
6	* 15.71976	26.36	PK	40.4	-21.2	0	45.56	-	-	74	-28.44	-	-	0-360	250	V

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

Radiated Emissions

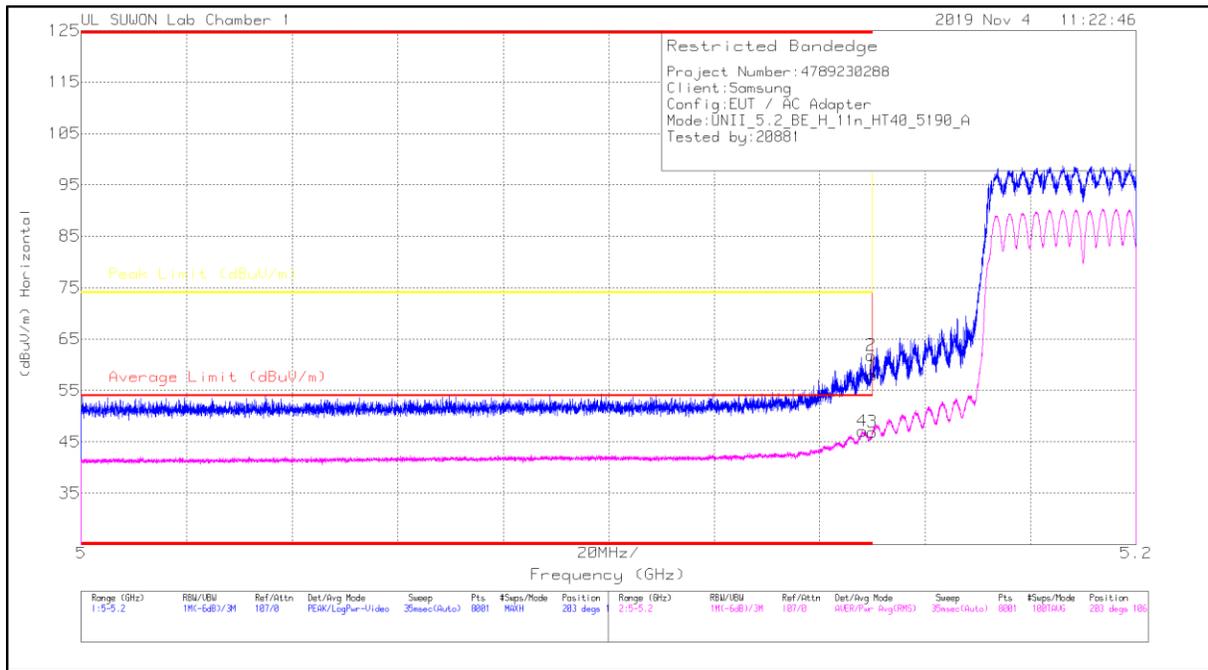
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.85101	38.61	PK-U	35.9	-26.7	0	47.81	-	-	-	-	68.2	-20.39	360	100	H
7.85075	39.39	PK-U	35.9	-26.7	0	48.59	-	-	-	-	68.2	-19.61	360	100	V
10.47841	41.98	PK-U	37.7	-22.4	0	57.28	-	-	-	-	68.2	-10.92	132	110	H
10.48001	48.15	PK-U	37.7	-22.4	0	63.45	-	-	-	-	68.2	-4.75	137	101	V
* 15.72381	36.08	PK-U	40.4	-21.1	0	55.38	-	-	74	-18.62	-	-	0	101	H
* 15.72132	36.08	PK-U	40.4	-21.1	0	55.38	-	-	74	-18.62	-	-	0	101	V

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

11.1.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

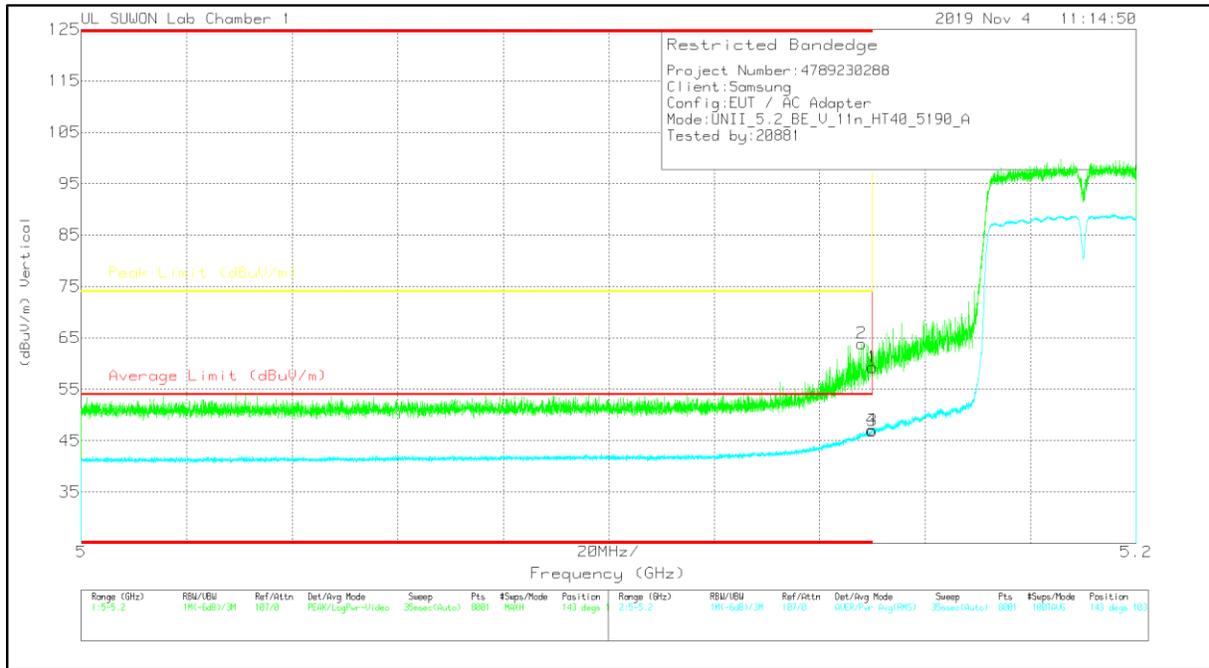
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	45.28	Pk	34.5	-21.8	0	57.98	-	-	74	-16.02	203	106	H
2	* 5.1497	49.22	Pk	34.4	-21.8	0	61.82	-	-	74	-12.18	203	106	H
3	5.15	34.21	RMS	34.5	-21.8	0	46.91	54	-7.09	-	-	203	106	H
4	* 5.1481	34.57	RMS	34.4	-21.9	0	47.07	54	-6.93	-	-	203	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[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	46.59	Pk	34.5	-21.8	0	59.29	-	-	74	-14.71	143	103	V
2	* 5.14793	51.42	Pk	34.4	-21.9	0	63.92	-	-	74	-10.08	143	103	V
3	5.15	34.23	RMS	34.5	-21.8	0	46.93	54	-7.07	-	-	143	103	V
4	* 5.1498	34.49	RMS	34.4	-21.8	0	47.09	54	-6.91	-	-	143	103	V

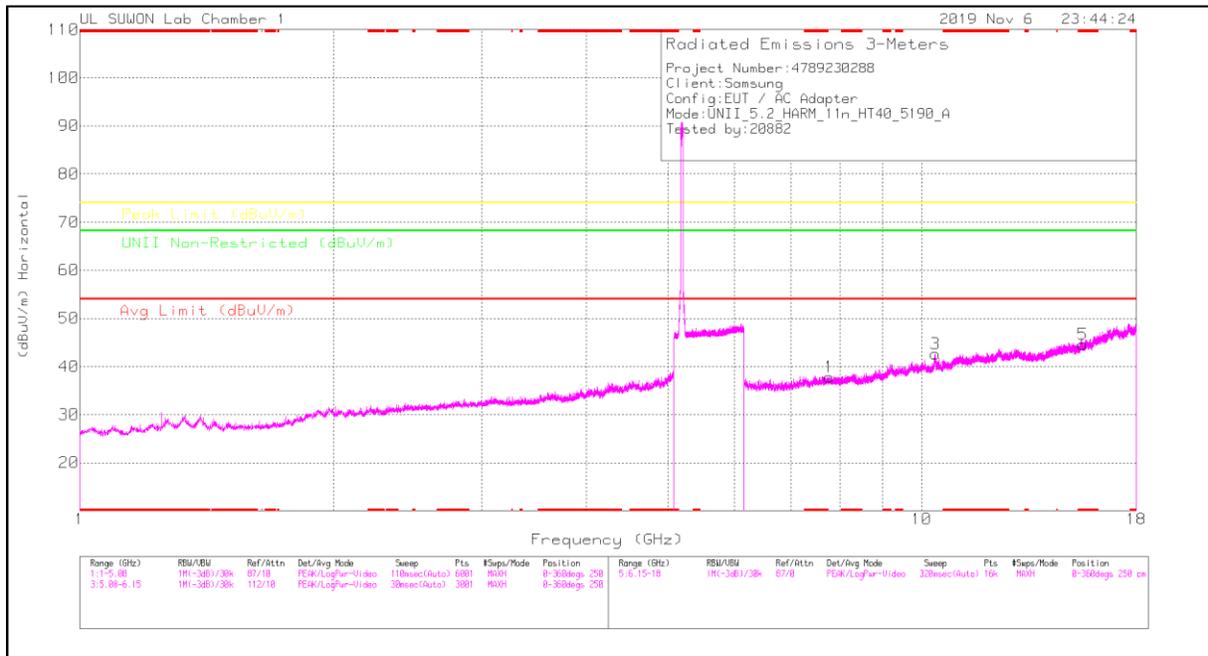
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

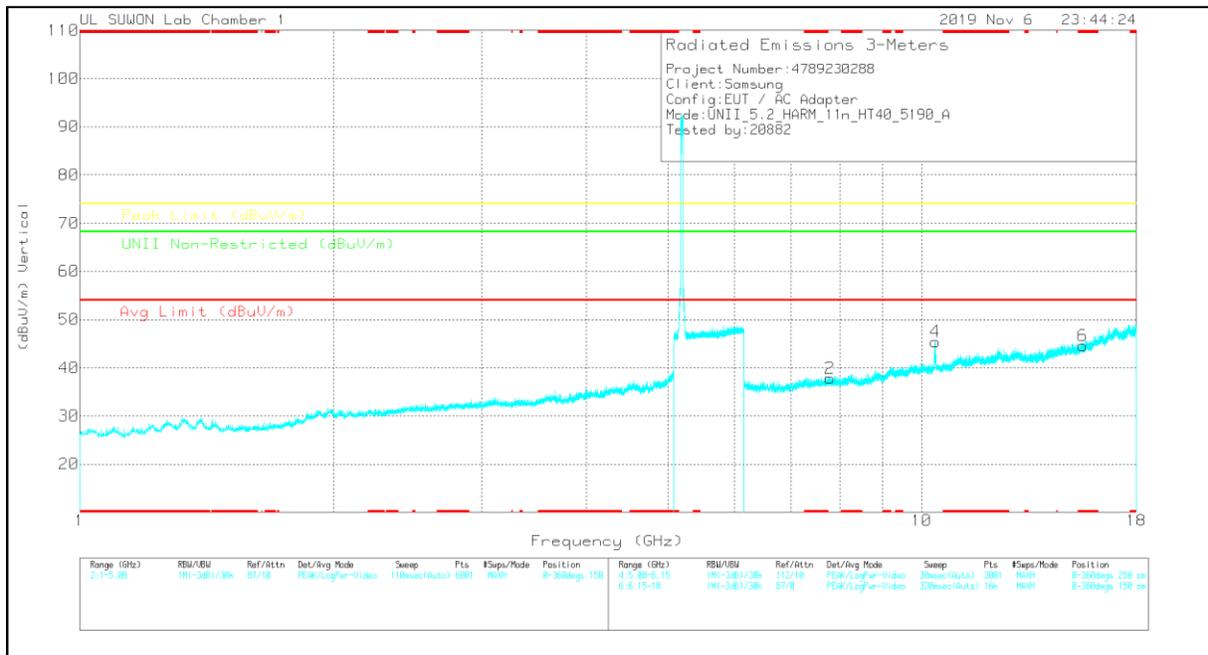
RMS - RMS detection

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.77779	28.54	PK	35.9	-26.6	0	37.84	-	-	-	-	68.2	-30.36	0-360	250	H
3	10.38389	26.92	PK	37.6	-21.9	0	42.62	-	-	-	-	68.2	-25.58	0-360	250	H
5	* 15.55239	25.37	PK	40.2	-21	0	44.57	-	-	74	-29.43	-	-	0-360	250	H
2	7.78668	28.49	PK	35.9	-26.6	0	37.79	-	-	-	-	68.2	-30.41	0-360	150	V
4	10.38019	29.64	PK	37.6	-21.8	0	45.44	-	-	-	-	68.2	-22.76	0-360	250	V
6	* 15.55313	25.45	PK	40.2	-21.1	0	44.55	-	-	74	-29.45	-	-	0-360	150	V

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

PK – Peak Detector

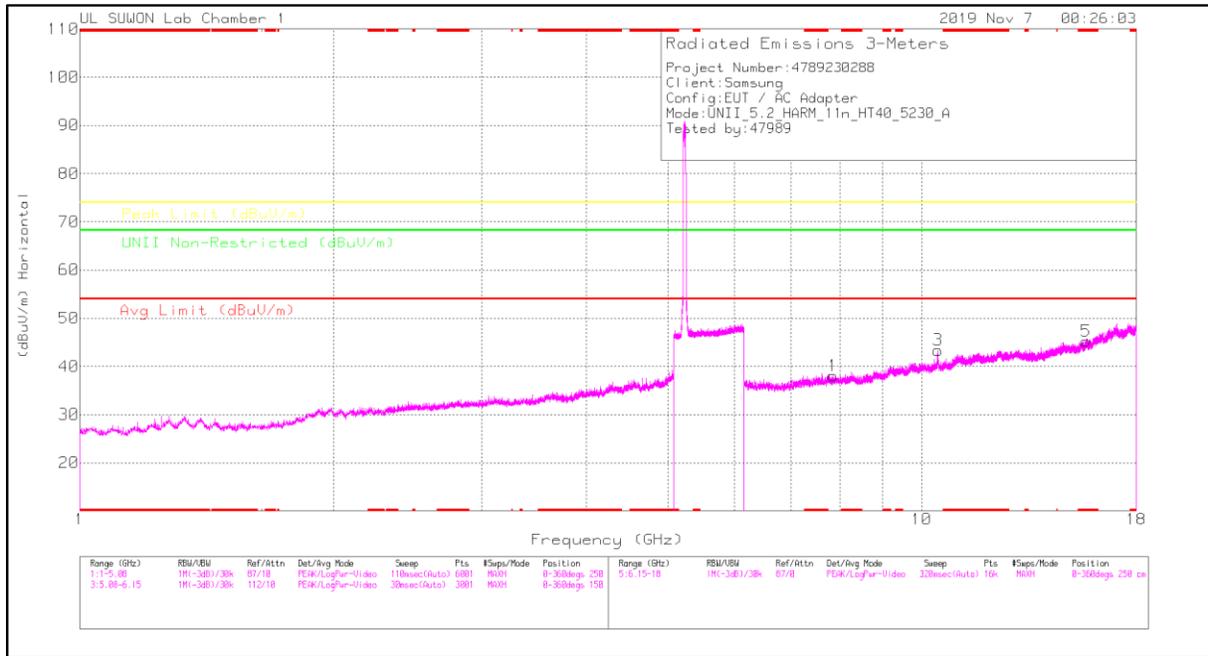
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
7.77704	38.33	PK-U	35.9	-26.6	0	47.63	-	-	-	-	68.2	-20.57	0	100	H
7.77675	38.84	PK-U	35.9	-26.6	0	48.14	-	-	-	-	68.2	-20.06	0	100	V
10.37741	38.84	PK-U	37.6	-21.9	0	54.54	-	-	-	-	68.2	-13.66	175	229	H
10.37737	42.31	PK-U	37.6	-21.9	0	58.01	-	-	-	-	68.2	-10.19	150	351	V
* 15.55346	35.34	PK-U	40.2	-21.1	0	54.44	-	-	74	-19.56	-	-	0	100	H
* 15.55396	36.42	PK-U	40.2	-21.1	0	55.52	-	-	74	-18.48	-	-	0	100	V

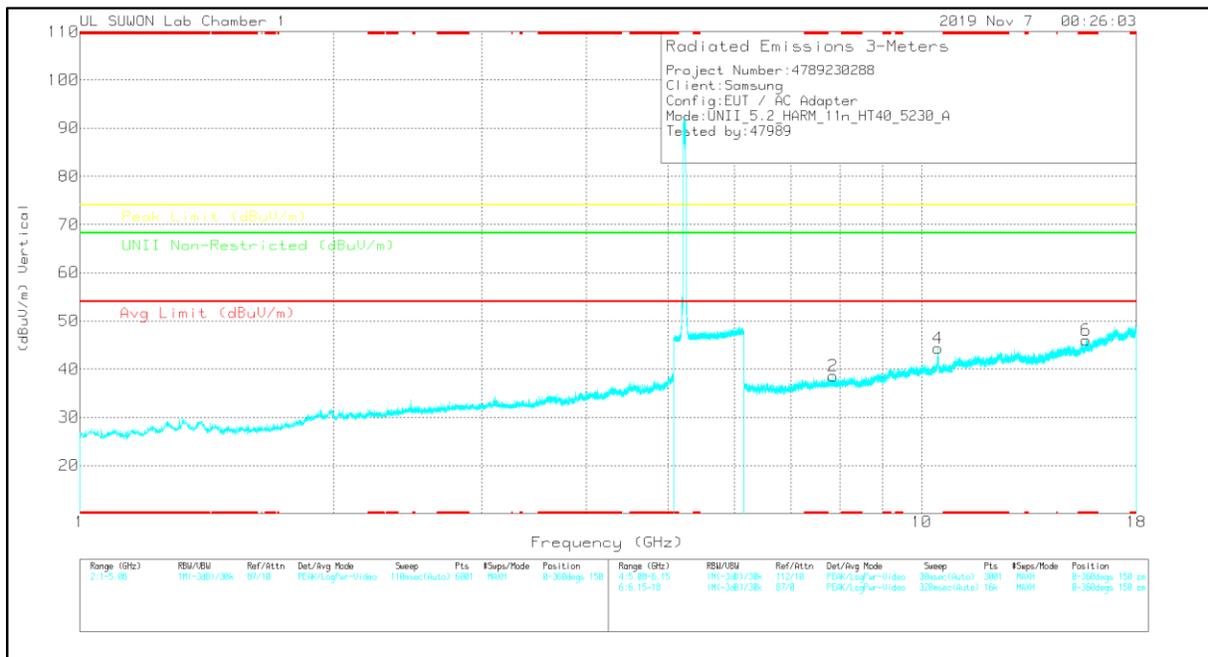
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.85481	29.03	PK	35.9	-26.8	0	38.13	-	-	-	-	68.2	-30.07	0-360	150	H
3	10.46091	27.76	PK	37.7	-22.1	0	43.36	-	-	-	-	68.2	-24.84	0-360	250	H
5	* 15.69384	26.22	PK	40.4	-21.4	0	45.22	-	-	74	-28.78	-	-	0-360	150	H
2	7.85555	29.52	PK	35.9	-26.8	0	38.62	-	-	-	-	68.2	-29.58	0-360	250	V
4	10.45276	28.78	PK	37.7	-22.1	0	44.38	-	-	-	-	68.2	-23.82	0-360	250	V
6	* 15.67829	26.72	PK	40.3	-21	0	46.02	-	-	74	-27.98	-	-	0-360	250	V

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

Radiated Emissions

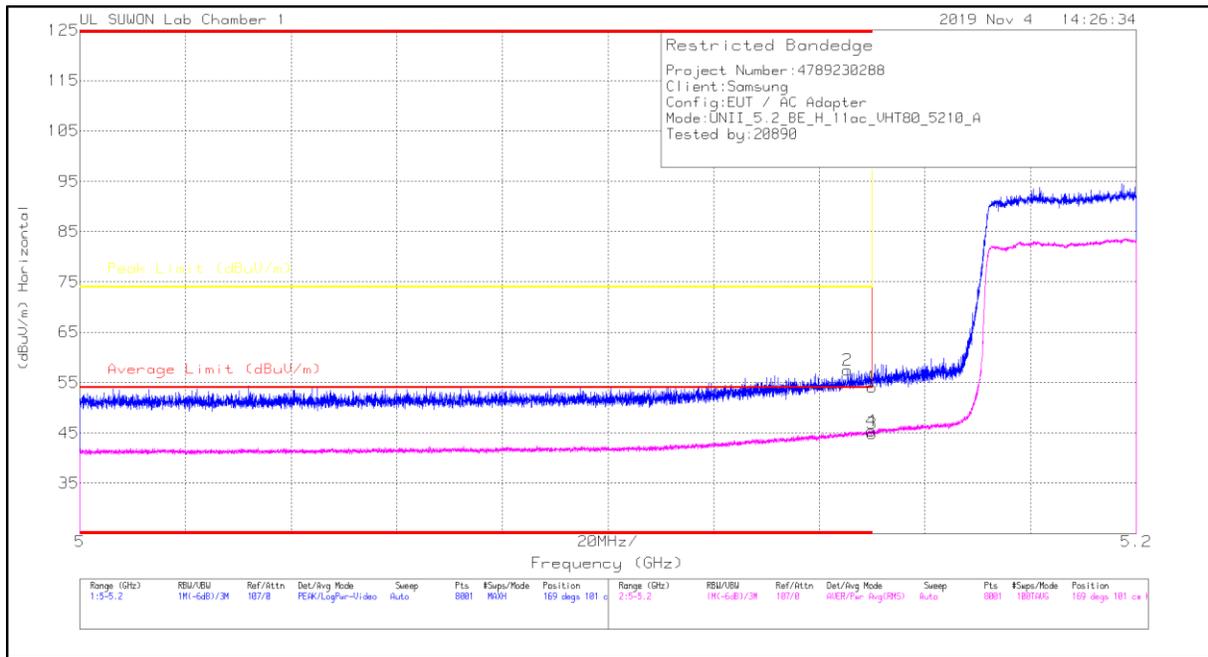
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.85038	38.91	PK-U	35.9	-26.7	0	48.11	-	-	-	-	68.2	-20.09	0	100	H
7.85037	38.82	PK-U	35.9	-26.7	0	48.02	-	-	-	-	68.2	-20.18	360	100	V
10.45748	38.65	PK-U	37.7	-22.1	0	54.55	-	-	-	-	68.2	-13.85	187	229	H
10.47784	40.95	PK-U	37.7	-22.4	0	56.25	-	-	-	-	68.2	-11.95	192	326	V
* 15.69703	36.31	PK-U	40.4	-21.4	0	55.31	-	-	74	-18.69	-	-	360	100	H
* 15.69743	35.78	PK-U	40.4	-21.4	0	54.78	-	-	74	-19.22	-	-	360	100	V

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

11.1.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

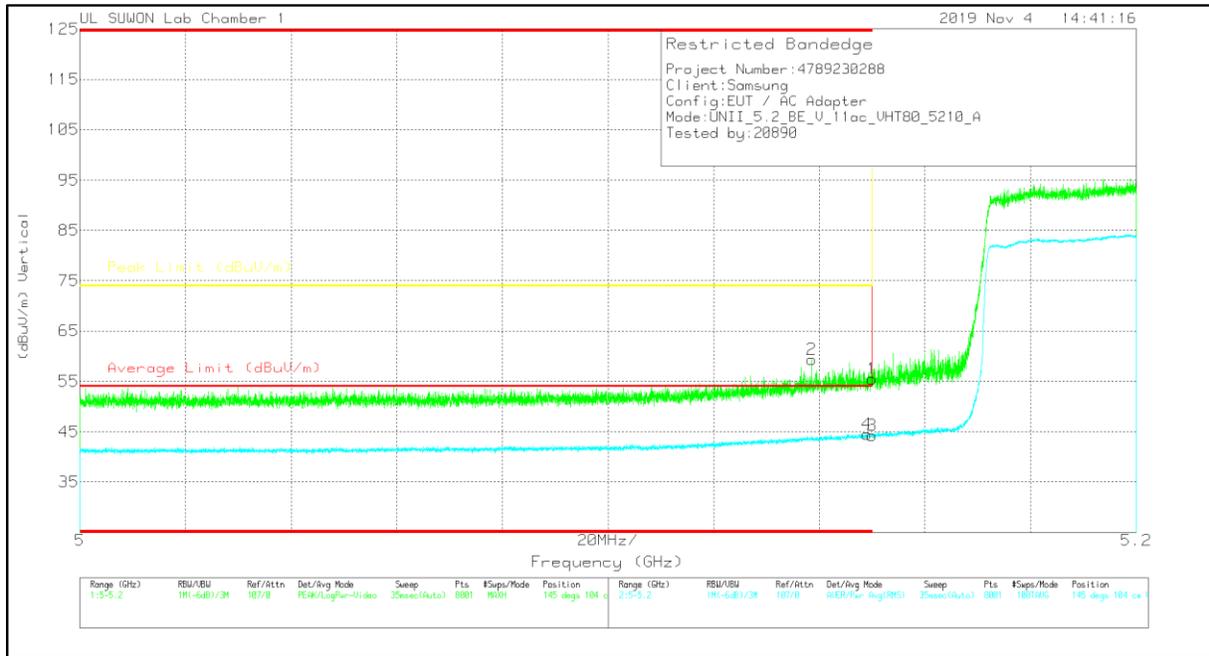
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	41.45	Pk		-21.8	0	54.15	-	-	74	-19.85	169	101	H
2	* 5.14538	44.84	Pk		-21.8	0	57.44	-	-	74	-16.56	169	101	H
3	5.15	32.16	RMS		-21.8	0	44.86	54	-9.14	-	-	169	101	H
4	* 5.14983	32.85	RMS		-21.8	0	45.45	54	-8.55	-	-	169	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[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	42.8	Pk	34.5	-21.8	0	55.5	-	-	74	-18.5	145	104	V
2	* 5.13858	46.65	Pk	34.4	-21.7	0	59.35	-	-	74	-14.65	145	104	V
3	5.15	31.61	RMS	34.5	-21.8	0	44.31	54	-9.69	-	-	145	104	V
4	* 5.14903	31.96	RMS	34.4	-21.8	0	44.56	54	-9.44	-	-	145	104	V

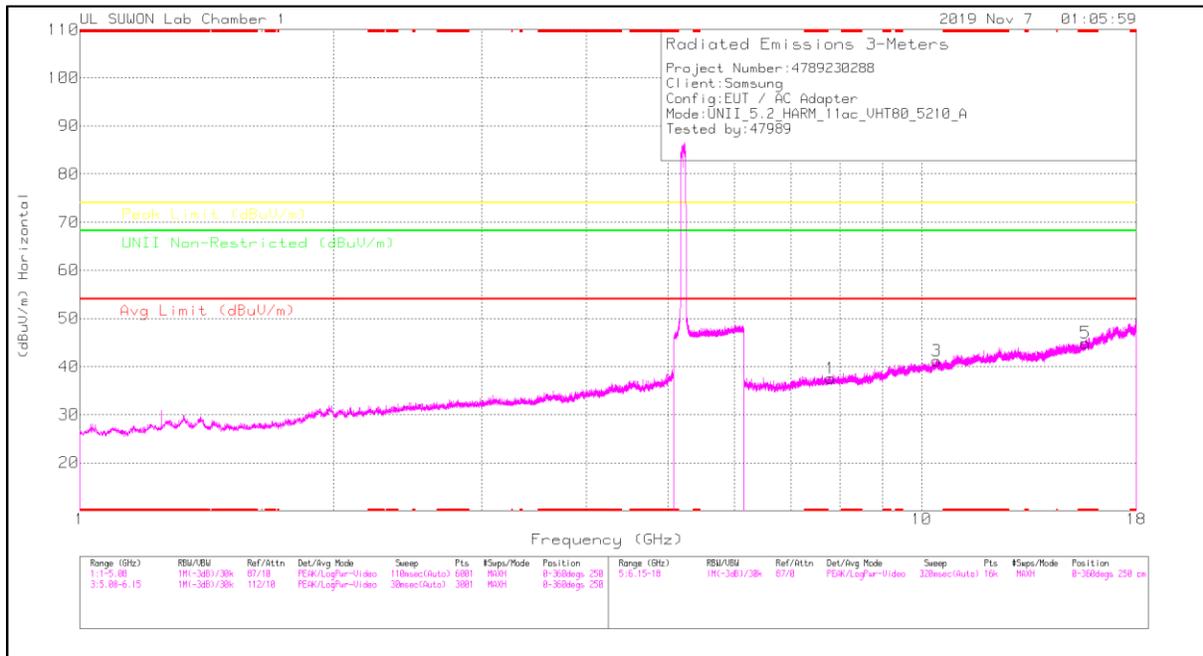
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

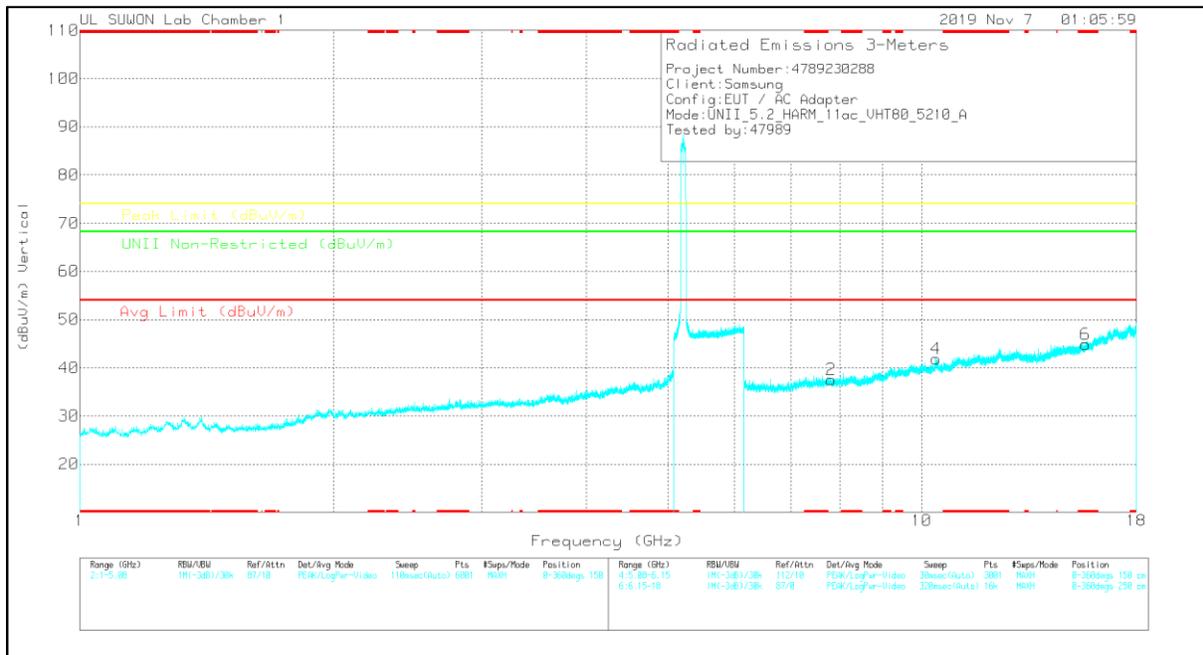
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.80445	28.16	PK	35.9	-26.5	0	37.56	-	-	-	-	68.2	-30.64	0-360	150	H
3	10.42018	25.53	PK	37.6	-21.9	0	41.23	-	-	-	-	68.2	-26.97	0-360	250	H
5	* 15.65903	25.92	PK	40.3	-21.3	0	44.92	-	-	74	-29.08	-	-	0-360	150	H
2	7.80668	28.19	PK	35.9	-26.5	0	37.59	-	-	-	-	68.2	-30.61	0-360	250	V
4	10.41351	28.07	PK	37.6	-21.8	0	41.87	-	-	-	-	68.2	-26.33	0-360	250	V
6	* 15.6657	25.61	PK	40.3	-21.1	0	44.81	-	-	74	-29.19	-	-	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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
7.80555	38.4	PK-U	35.9	-26.5	0	47.8	-	-	-	-	68.2	-20.4	360	100	H
7.80659	38.07	PK-U	35.9	-26.5	0	47.47	-	-	-	-	68.2	-20.73	360	100	V
10.40749	34.6	PK-U	37.6	-21.7	0	50.5	-	-	-	-	68.2	-17.7	0	100	H
10.43565	34.88	PK-U	37.7	-22	0	50.58	-	-	-	-	68.2	-17.62	0	100	V
* 15.6541	36.03	PK-U	40.3	-21.4	0	54.93	-	-	74	-19.07	-	-	0	100	H
* 15.66055	35.63	PK-U	40.3	-21.3	0	54.63	-	-	74	-19.37	-	-	0	100	V

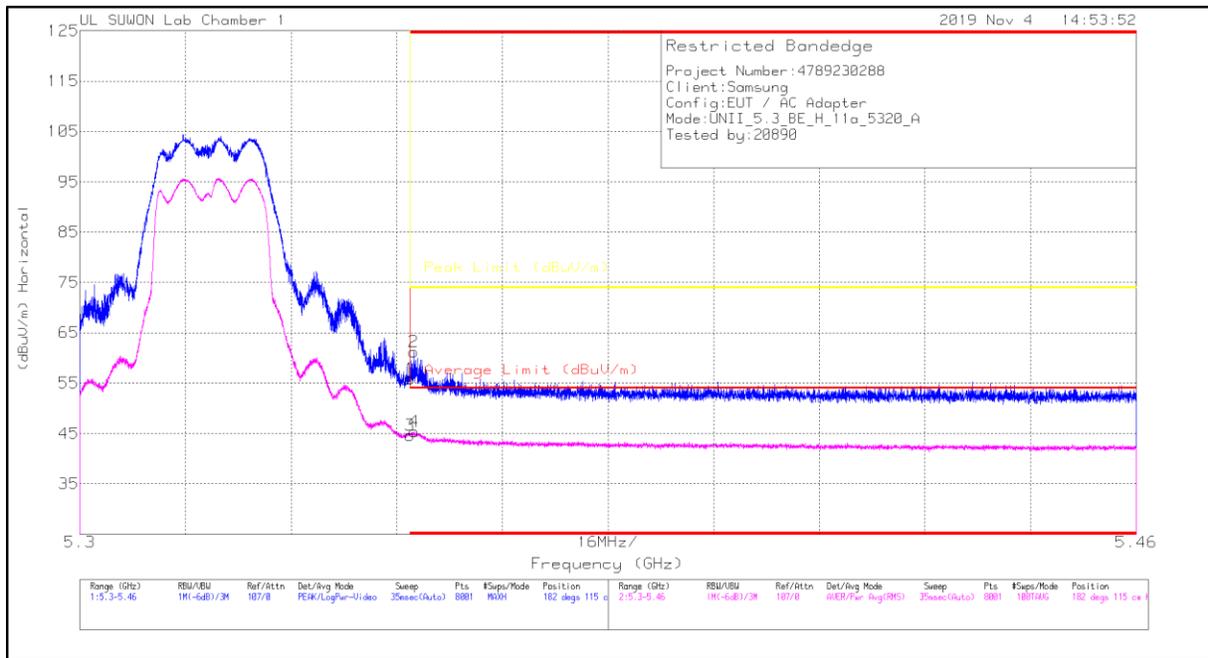
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.2. 5.3 GHz

11.2.1. TX ABOVE 1 GHz 802.11a 2Tx MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

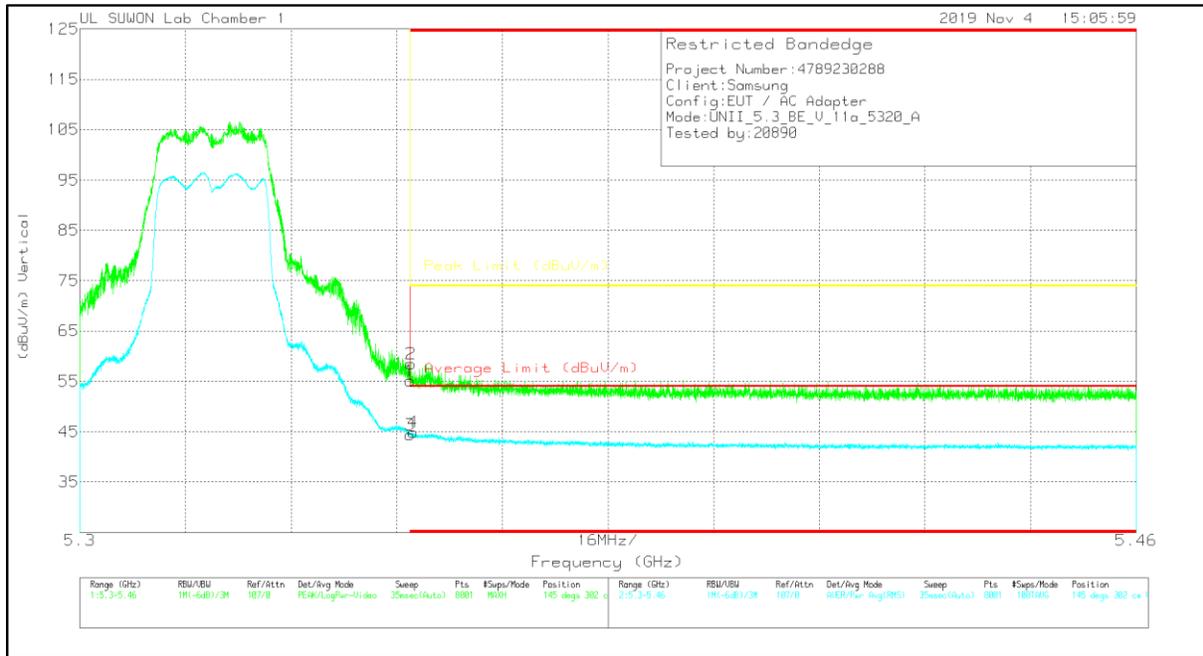
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	42.74	Pk	34.7	-21.6	0	55.84	-	-	74	-18.16	182	115	H
2	* 5.35058	48.14	Pk	34.7	-21.6	0	61.24	-	-	74	-12.76	182	115	H
3	* 5.35002	31.51	RMS	34.7	-21.6	0	44.61	54	-9.39	-	-	182	115	H
4	* 5.35068	32.33	RMS	34.7	-21.6	0	45.43	54	-8.57	-	-	182	115	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[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	* 5.35002	41.99	Pk	34.7	-21.6	0	55.09	-	-	74	-18.91	145	302	V
2	* 5.35014	45.43	Pk	34.7	-21.6	0	58.53	-	-	74	-15.47	145	302	V
3	* 5.35002	31.33	RMS	34.7	-21.6	0	44.43	54	-9.57	-	-	145	302	V
4	* 5.35044	31.75	RMS	34.7	-21.6	0	44.85	54	-9.15	-	-	145	302	V

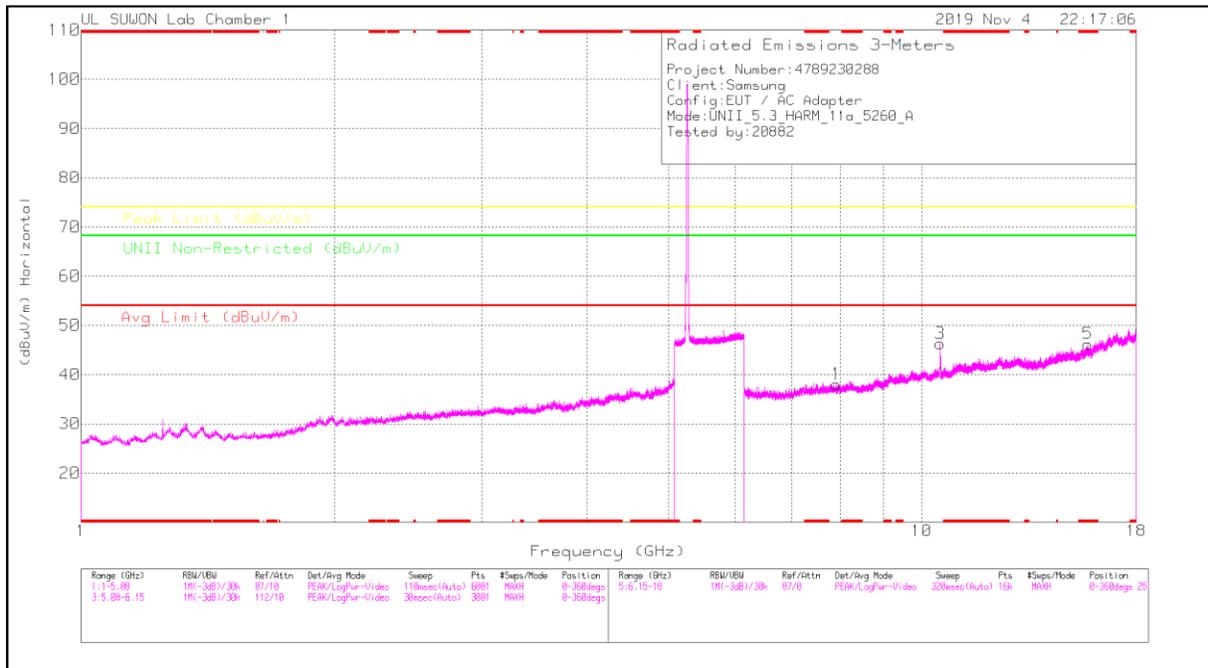
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

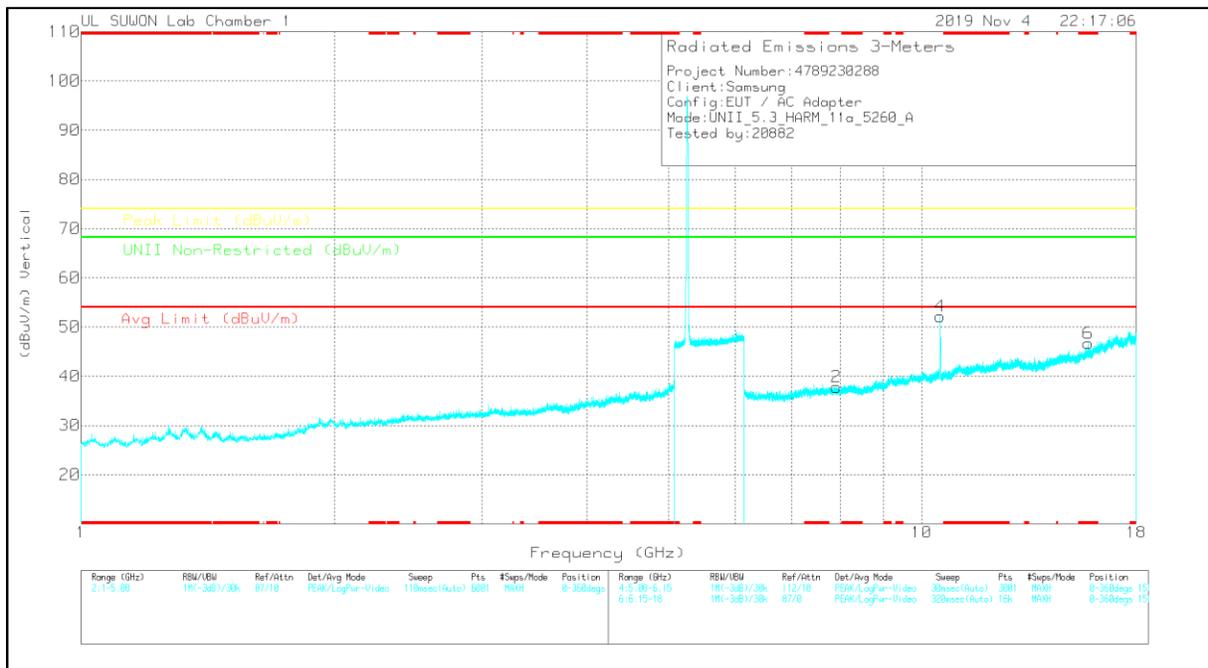
RMS - RMS detection

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.91554	28.54	PK	36	-26.5	0	38.04	-	-	-	-	68.2	-30.16	0-360	150	H
3	10.51868	31.22	PK	37.7	-22.6	0	46.32	-	-	-	-	68.2	-21.88	0-360	250	H
5	* 15.77012	26.93	PK	40.5	-21.2	0	46.23	-	-	74	-27.77	-	-	0-360	250	H
2	7.9148	28.31	PK	36	-26.5	0	37.81	-	-	-	-	68.2	-30.39	0-360	250	V
4	10.51868	37.05	PK	37.7	-22.6	0	52.15	-	-	-	-	68.2	-16.05	0-360	250	V
6	* 15.77901	27.38	PK	40.5	-21.2	0	46.68	-	-	74	-27.32	-	-	0-360	250	V

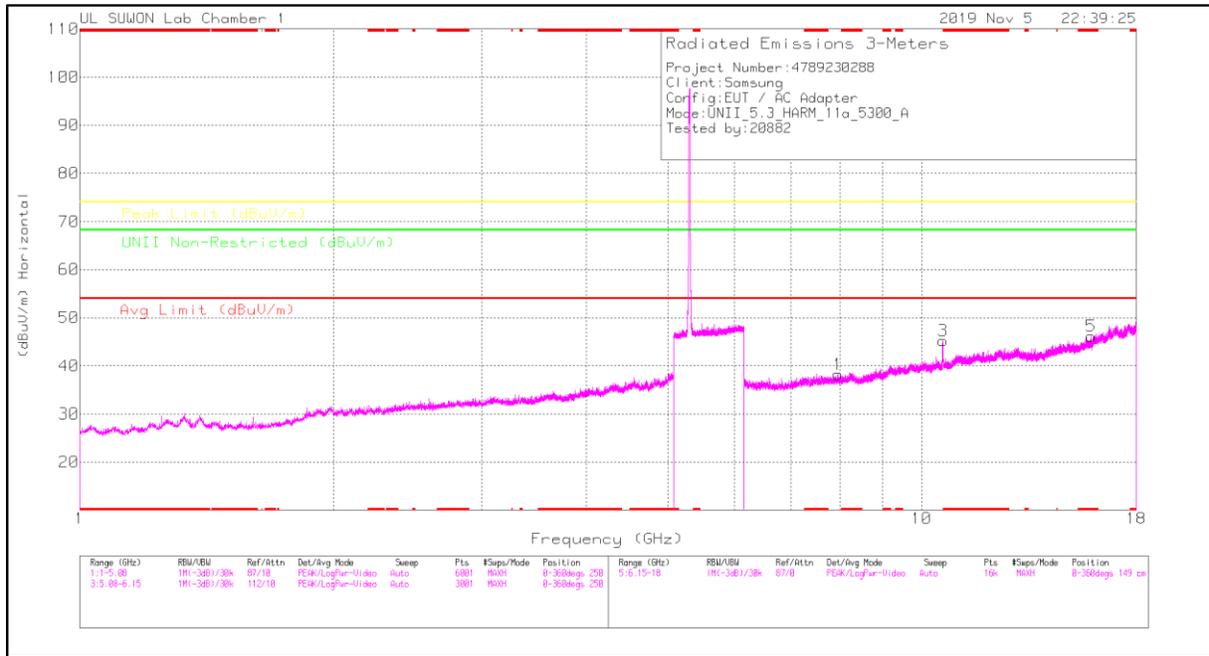
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

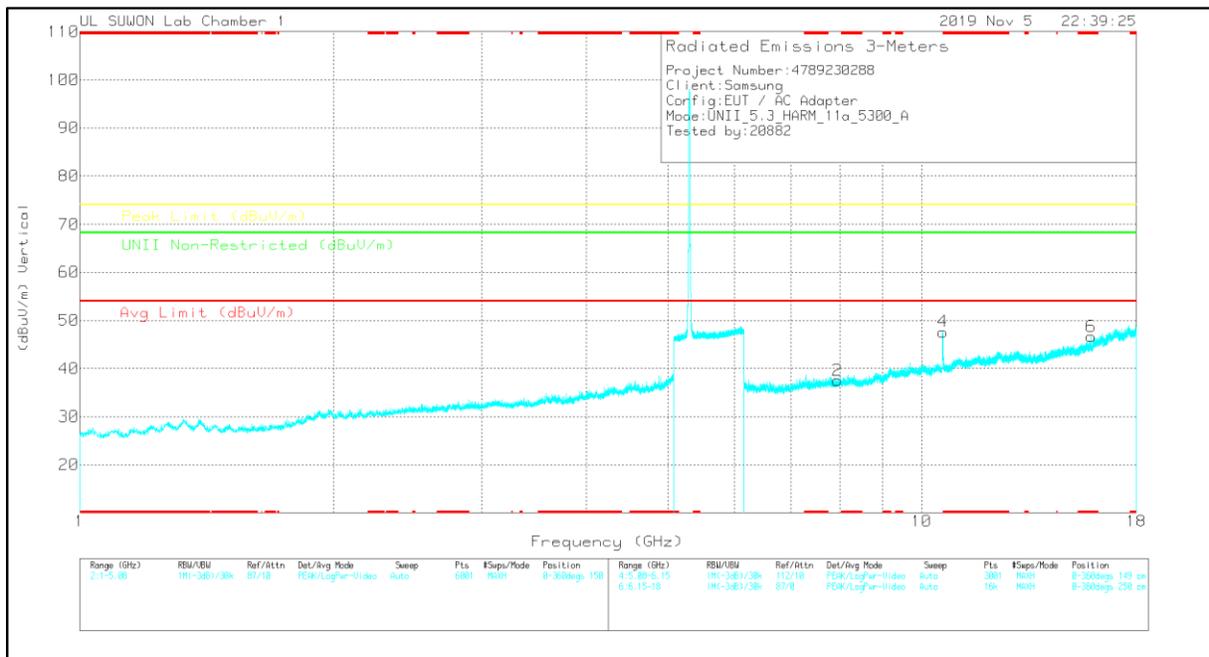
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.91309	38.62	PK-U	36	-26.5	0	48.12	-	-	-	-	68.2	-20.08	360	100	H
7.91391	38.47	PK-U	36	-26.5	0	47.97	-	-	-	-	68.2	-20.23	360	100	V
10.5188	44	PK-U	37.7	-22.6	0	59.1	-	-	-	-	68.2	-9.1	136	111	H
10.51896	49.2	PK-U	37.7	-22.6	0	64.3	-	-	-	-	68.2	-3.9	136	100	V
* 15.7702	42.24	PK-U	40.5	-21.2	0	61.54	-	-	74	-12.46	-	-	196	105	H
* 15.77948	28.58	ADR	40.5	-21.2	0	47.88	54	-6.12	-	-	-	-	196	105	H
* 15.78348	41.47	PK-U	40.5	-21.2	0	60.77	-	-	74	-13.23	-	-	184	292	V
* 15.7792	27.56	ADR	40.5	-21.2	0	46.86	54	-7.14	-	-	-	-	184	292	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.95405	28.61	PK	36	-26.4	0	38.21	-	-	-	-	68.2	-29.99	0-360	149	H
3	* 10.6031	30.29	PK	37.8	-22.8	0	45.29	-	-	74	-28.71	-	-	0-360	250	H
5	* 15.89972	26.78	PK	40.6	-21.2	0	46.18	-	-	74	-27.82	-	-	0-360	250	H
2	7.94442	27.74	PK	36	-26.2	0	37.54	-	-	-	-	68.2	-30.66	0-360	149	V
4	10.5994	32.66	PK	37.8	-22.8	0	47.66	-	-	-	-	68.2	-20.54	0-360	250	V
6	* 15.89972	27.33	PK	40.6	-21.2	0	46.73	-	-	74	-27.27	-	-	0-360	250	V

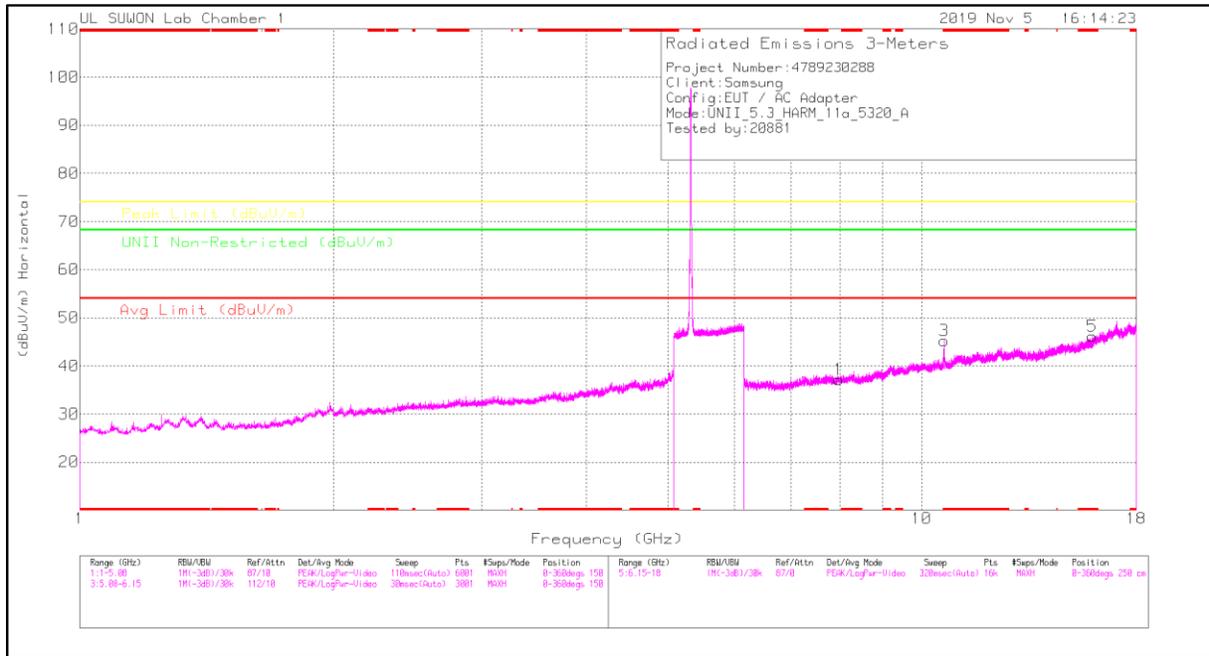
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

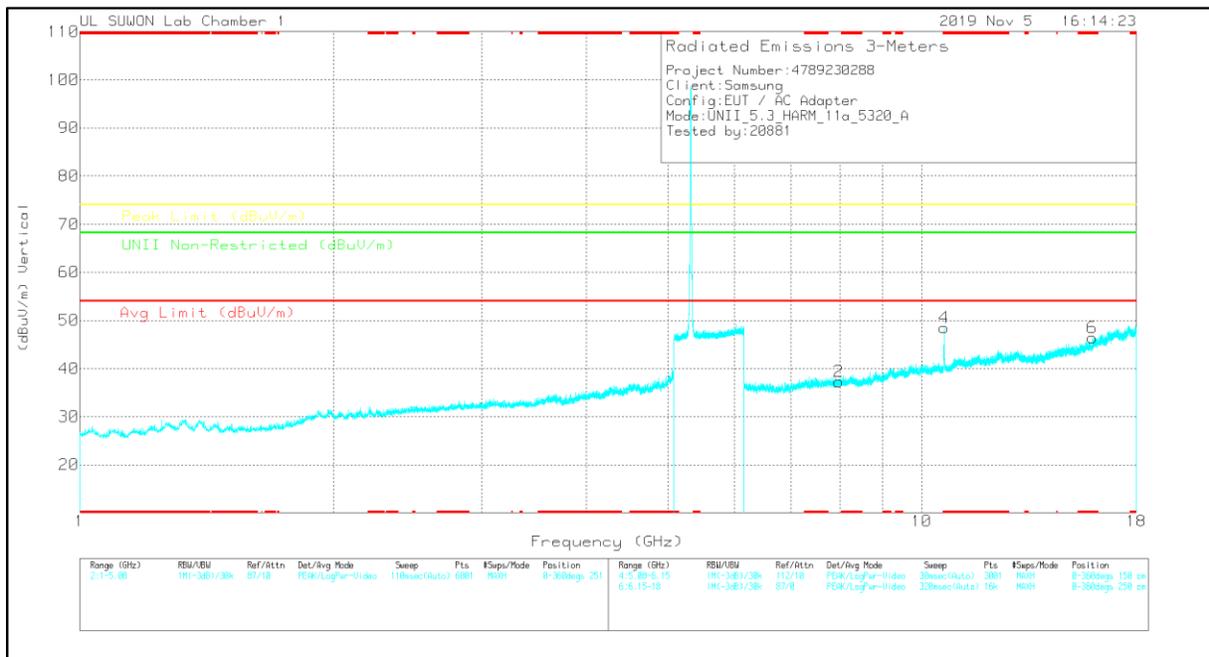
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.95375	38.52	PK-U	36	-26.4	0	48.12	-	-	-	-	68.2	-20.08	0	100	H
7.95427	38.82	PK-U	36	-26.4	0	48.42	-	-	-	-	68.2	-19.78	0	100	V
10.59698	42.01	PK-U	37.8	-22.8	0	56.91	-	-	-	-	68.2	-11.29	183	237	H
10.5982	45.22	PK-U	37.8	-22.9	0	60.12	-	-	-	-	68.2	-8.08	147	337	V
* 15.89528	38.13	PK-U	40.6	-21.1	0	57.63	-	-	74	-16.37	-	-	161	100	H
* 15.8996	25.83	ADR	40.6	-21.2	0	45.23	54	-8.77	-	-	-	-	161	100	H
* 15.88928	37.19	PK-U	40.6	-21.1	0	56.69	-	-	74	-17.31	-	-	200	100	V
* 15.9	24.8	ADR	40.6	-21.2	0	44.2	54	-9.8	-	-	-	-	200	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.97997	27.45	PK	36	-26.3	0	37.15	-	-	-	-	68.2	-31.05	0-360	150	H
3	* 10.63865	29.59	PK	37.8	-22.2	0	45.19	-	-	74	-28.81	-	-	0-360	250	H
5	* 15.95823	26.38	PK	40.7	-20.9	0	46.18	-	-	74	-27.82	-	-	0-360	150	H
2	7.97997	27.65	PK	36	-26.3	0	37.35	-	-	-	-	68.2	-30.85	0-360	250	V
4	* 10.63865	32.65	PK	37.8	-22.2	0	48.45	-	-	74	-25.55	-	-	0-360	250	V
6	* 15.95897	26.68	PK	40.7	-20.9	0	46.48	-	-	74	-27.52	-	-	0-360	250	V

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

Radiated Emissions

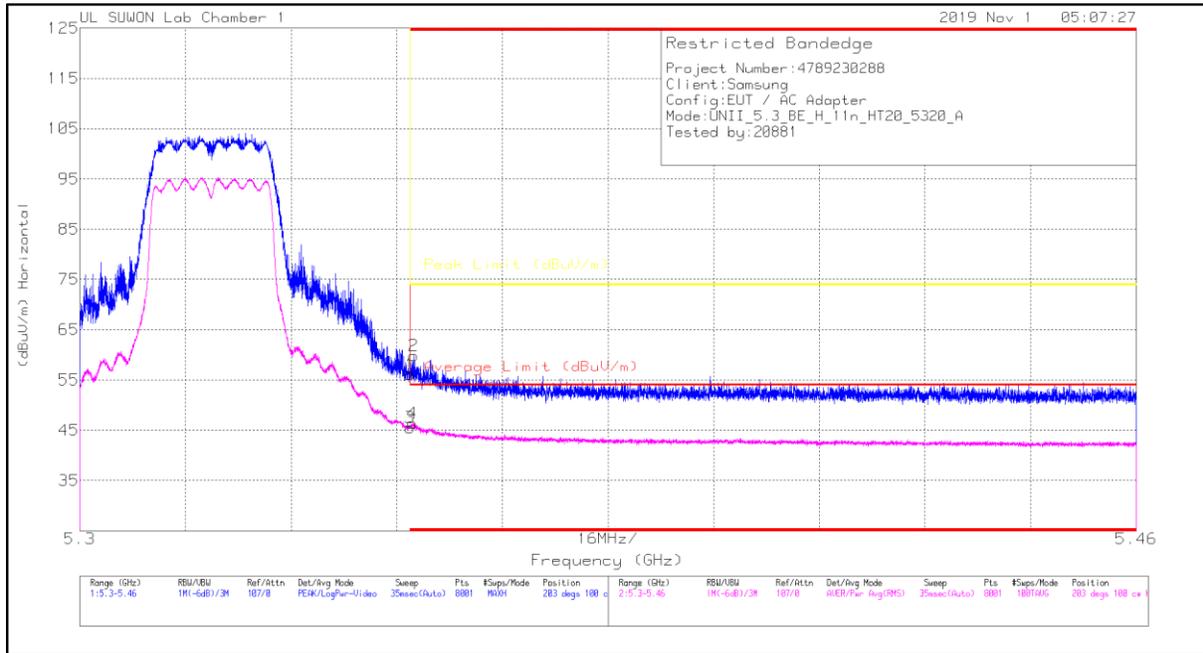
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.97823	38.16	PK-U	36	-26.2	0	47.96	-	-	-	-	68.2	-20.24	0	100	H
7.98016	38.17	PK-U	36	-26.3	0	47.87	-	-	-	-	68.2	-20.33	0	100	V
* 10.63861	40.07	PK-U	37.8	-22.2	0	55.67	-	-	74	-18.33	-	-	177	219	H
* 10.63869	28.65	ADR	37.8	-22.2	0	44.25	54	-9.75	-	-	-	-	177	219	H
* 10.63741	45.24	PK-U	37.8	-22.2	0	60.84	-	-	74	-13.16	-	-	160	246	V
* 10.63865	32.27	ADR	37.8	-22.2	0	47.87	54	-6.13	-	-	-	-	160	246	V
* 15.95837	35.69	PK-U	40.7	-20.9	0	55.49	-	-	74	-18.51	-	-	0	100	H
* 15.95744	35.7	PK-U	40.7	-20.9	0	55.5	-	-	74	-18.5	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

11.2.2.TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

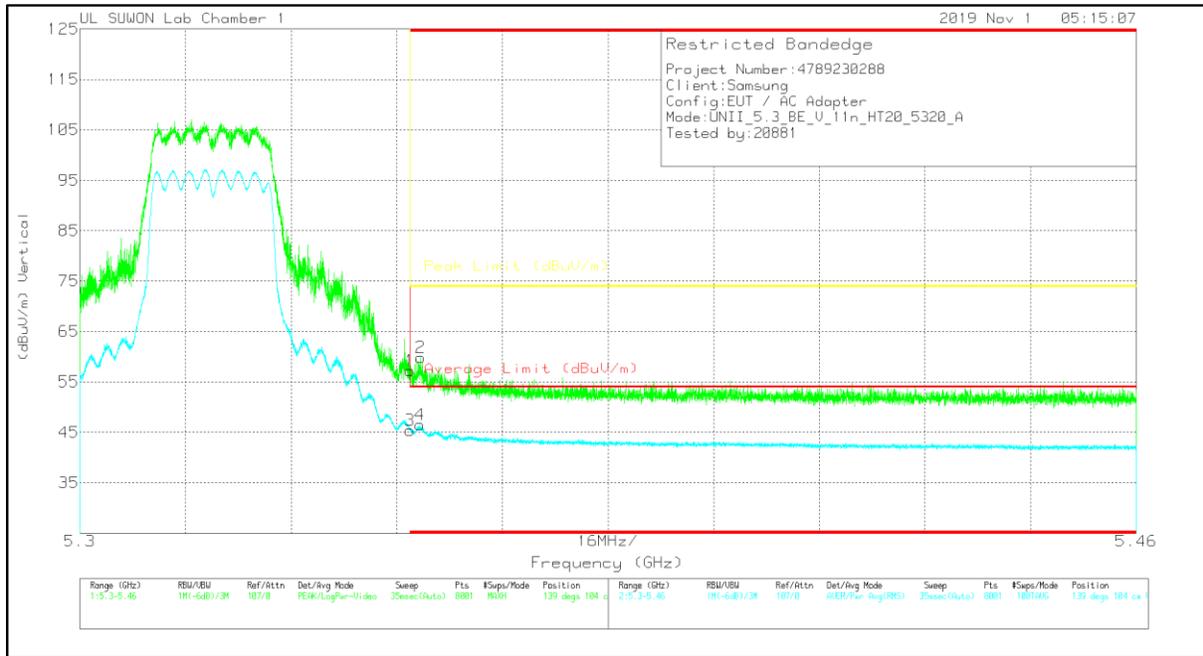
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	42.97	Pk		-21.6	0	56.07	-	-	74	-17.93	203	100	H
2	* 5.35054	46.75	Pk		-21.6	0	59.85	-	-	74	-14.15	203	100	H
3	* 5.35002	32.39	RMS		-21.6	0	45.49	54	-8.51	-	-	203	100	H
4	* 5.35036	33.3	RMS		-21.6	0	46.4	54	-7.6	-	-	203	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[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	* 5.35002	44.12	Pk	34.7	-21.6	0	57.22	-	-	74	-16.78	139	104	V
2	* 5.35164	46.77	Pk	34.7	-21.6	0	59.87	-	-	74	-14.13	139	104	V
3	* 5.35002	32.26	RMS	34.7	-21.6	0	45.36	54	-8.64	-	-	139	104	V
4	* 5.35156	33.37	RMS	34.7	-21.6	0	46.47	54	-7.53	-	-	139	104	V

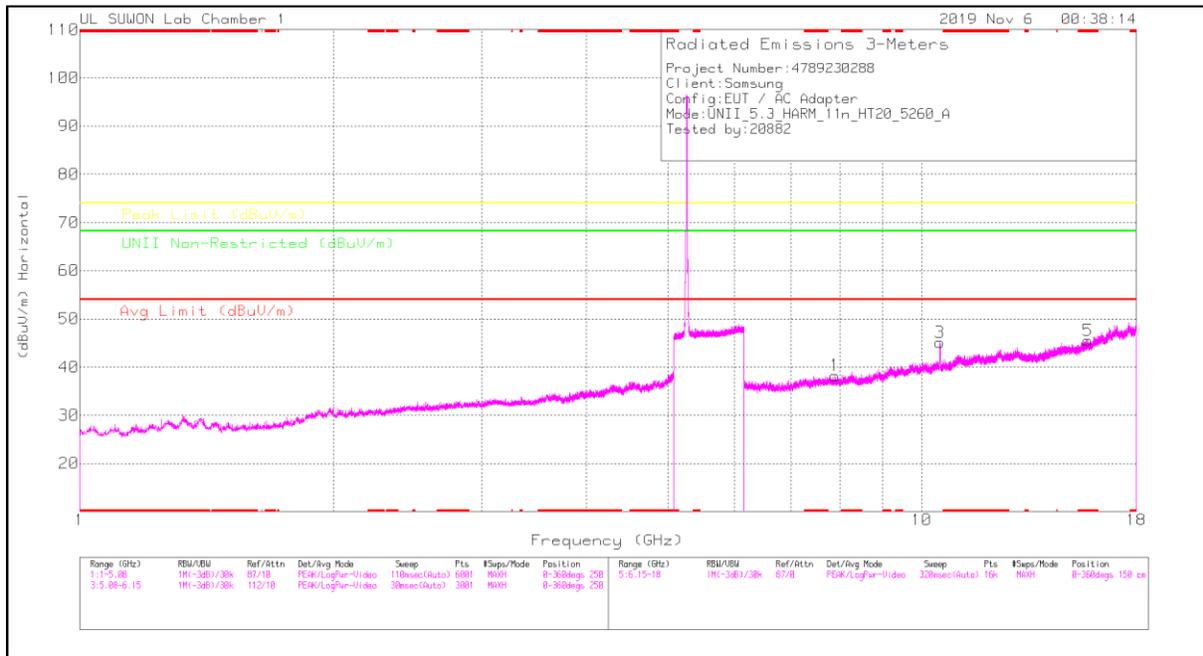
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

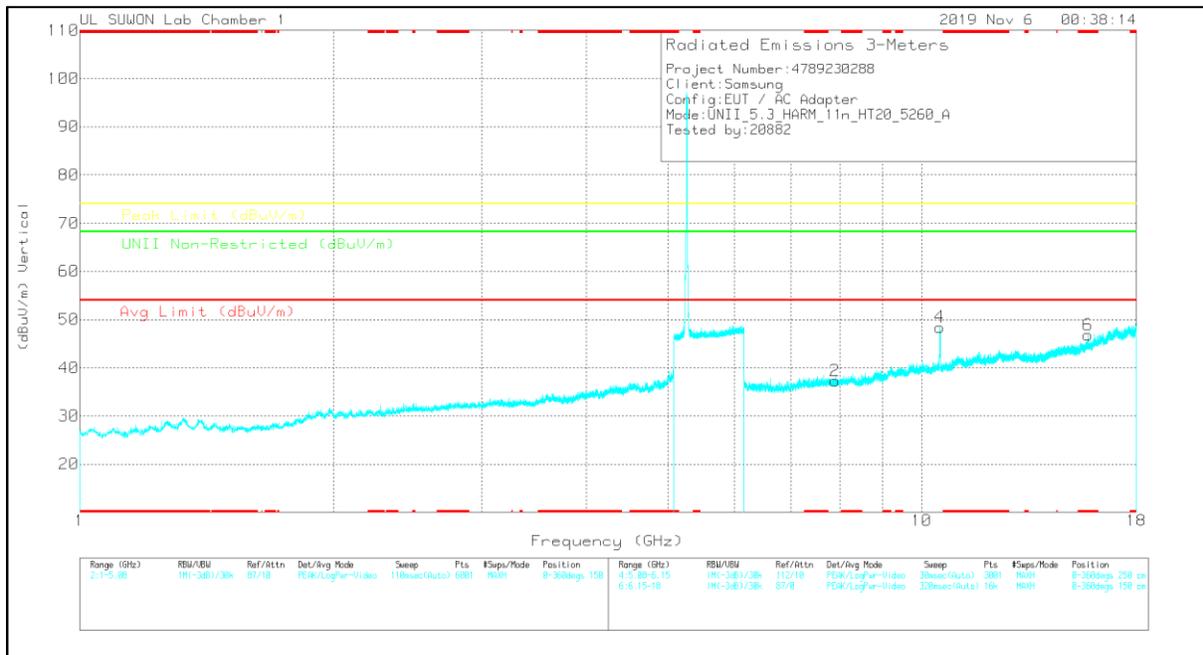
RMS - RMS detection

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.89258	28.97	PK	36	-26.7	0	38.27	-	-	-	-	68.2	-29.93	0-360	150	H
3	10.51719	30.02	PK	37.7	-22.6	0	45.12	-	-	-	-	68.2	-23.08	0-360	250	H
5	* 15.77531	26.15	PK	40.5	-21.2	0	45.45	-	-	74	-28.55	-	-	0-360	150	H
2	7.89554	28.12	PK	36	-26.8	0	37.32	-	-	-	-	68.2	-30.88	0-360	150	V
4	10.51942	33.34	PK	37.7	-22.6	0	48.44	-	-	-	-	68.2	-19.76	0-360	250	V
6	* 15.77975	27.52	PK	40.5	-21.2	0	48.62	-	-	74	-27.18	-	-	0-360	250	V

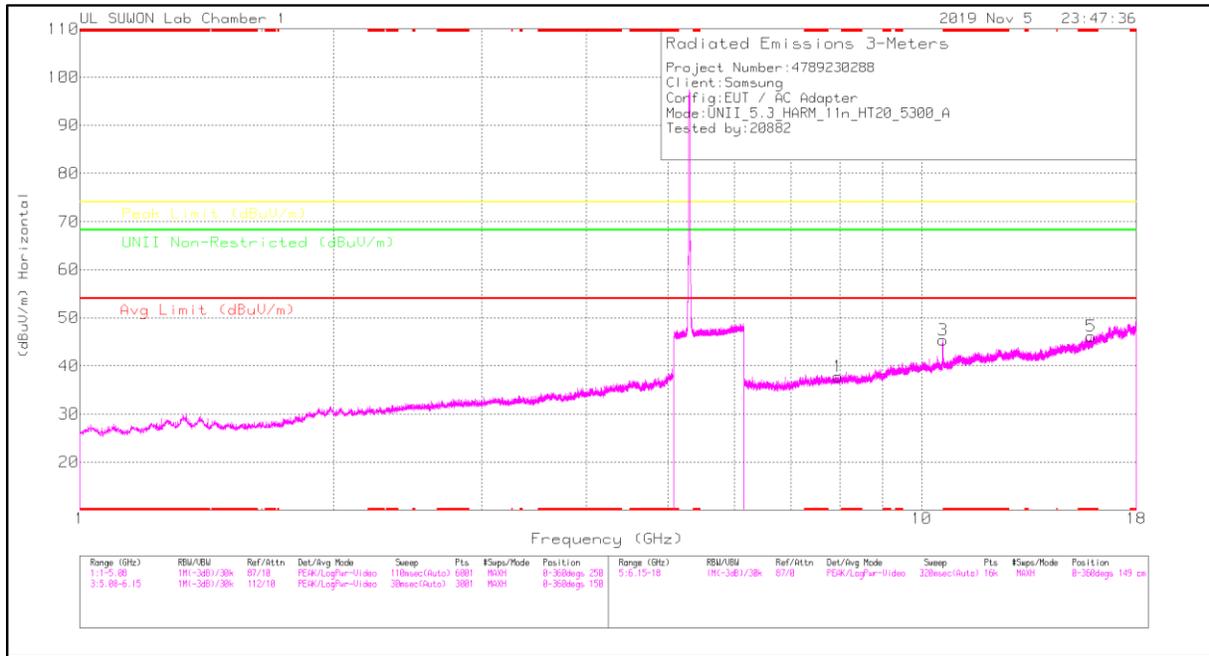
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

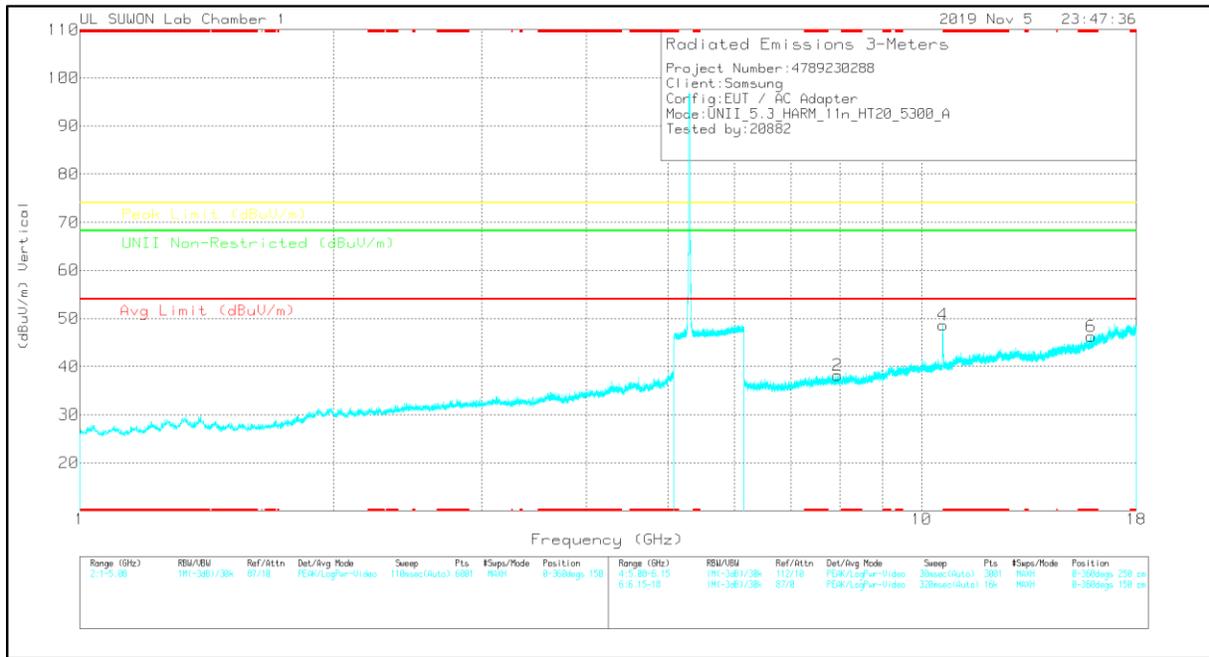
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.8918	38.35	PK-U	36	-26.7	0	47.65	-	-	-	-	68.2	-20.55	360	100	H
7.89295	39.09	PK-U	36	-26.7	0	48.39	-	-	-	-	68.2	-19.81	360	100	V
10.52151	41.78	PK-U	37.7	-22.6	0	56.88	-	-	-	-	68.2	-11.32	180	250	H
10.52211	46.88	PK-U	37.7	-22.6	0	61.98	-	-	-	-	68.2	-6.22	154	392	V
* 15.77007	38.12	PK-U	40.5	-21.2	0	57.42	-	-	74	-16.58	-	-	244	100	H
* 15.77691	25.33	ADR	40.5	-21.2	0	44.63	54	-9.37	-	-	-	-	244	100	H
* 15.77743	37.81	PK-U	40.5	-21.2	0	57.11	-	-	74	-16.89	-	-	190	100	V
* 15.77727	25.09	ADR	40.5	-21.2	0	44.39	54	-9.61	-	-	-	-	190	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.96072	28.28	PK	36	-26.5	0	37.78	-	-	-	-	68.2	-30.42	0-360	250	H
3	10.59644	30.53	PK	37.8	-22.9	0	45.43	-	-	-	-	68.2	-22.77	0-360	250	H
5	* 15.90268	26.81	PK	40.6	-21.3	0	46.11	-	-	74	-27.89	-	-	0-360	250	H
2	7.94739	28.45	PK	36	-26.3	0	38.15	-	-	-	-	68.2	-30.05	0-360	250	V
4	* 10.60162	33.7	PK	37.8	-22.8	0	48.7	-	-	74	-25.3	-	-	0-360	250	V
6	* 15.89528	26.82	PK	40.6	-21.1	0	46.32	-	-	74	-27.68	-	-	0-360	250	V

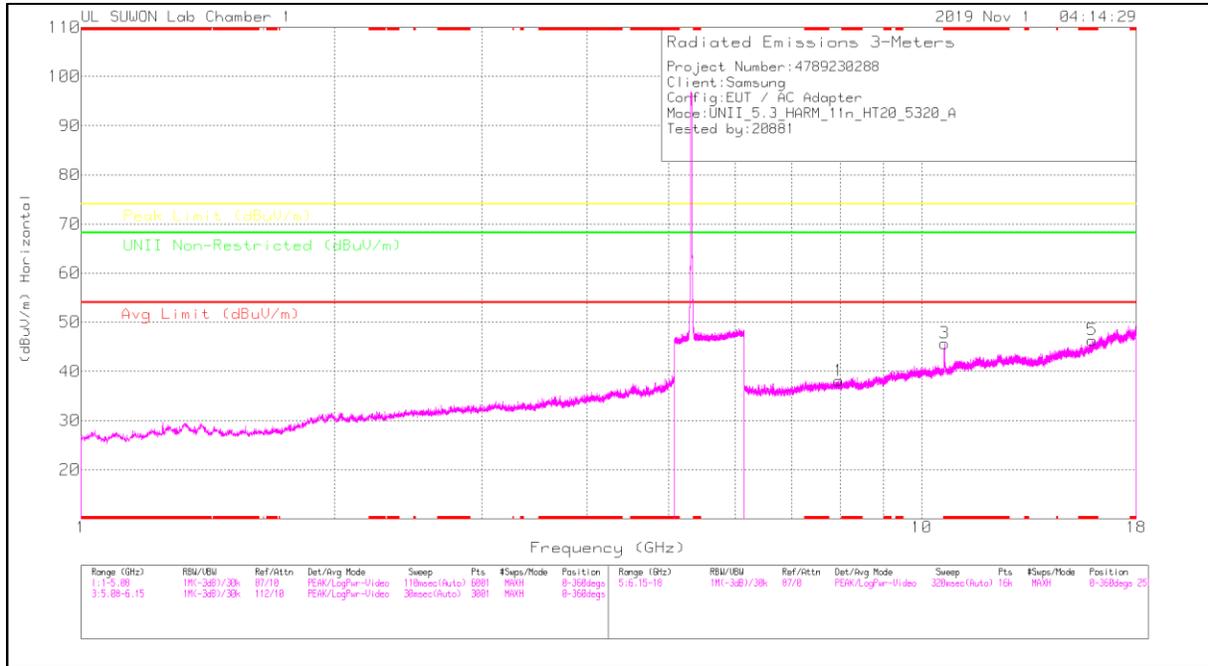
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

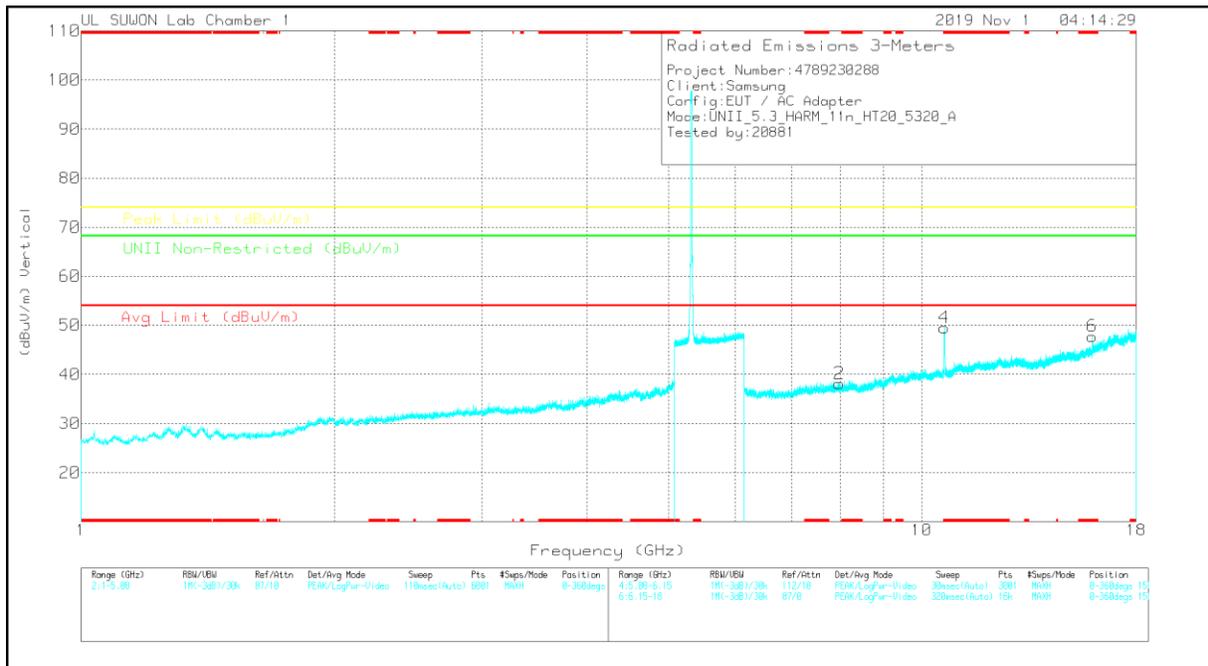
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.96044	38.64	PK-U	36	-26.5	0	48.14	-	-	-	-	68.2	-20.06	0	100	H
7.96198	38.53	PK-U	36	-26.5	0	48.03	-	-	-	-	68.2	-20.17	0	100	V
10.59838	41.24	PK-U	37.8	-22.9	0	56.14	-	-	-	-	68.2	-12.06	184	224	H
10.59724	45.54	PK-U	37.8	-22.9	0	60.44	-	-	-	-	68.2	-7.76	157	355	V
* 15.89457	38.01	PK-U	40.6	-21.1	0	57.51	-	-	74	-16.49	-	-	277	103	H
* 15.89973	25.26	ADR	40.6	-21.2	0	44.66	54	-9.34	-	-	-	-	277	103	H
* 15.89181	37.05	PK-U	40.6	-21	0	56.65	-	-	74	-17.35	-	-	192	103	V
* 15.89745	24.48	ADR	40.6	-21.2	0	43.88	54	-10.12	-	-	-	-	192	103	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.96812	28.4	PK	36	-26.3	0	38.1	-	-	-	-	68.2	-30.1	0-360	250	H
3	* 10.64161	30.03	PK	37.8	-22.1	0	45.73	-	-	74	-28.27	-	-	0-360	250	H
5	* 15.96193	26.46	PK	40.7	-20.8	0	46.36	-	-	74	-27.64	-	-	0-360	150	H
2	7.97849	28.34	PK	36	-26.2	0	38.14	-	-	-	-	68.2	-30.06	0-360	150	V
4	* 10.63865	33.94	PK	37.8	-22.2	0	49.84	-	-	74	-24.46	-	-	0-360	250	V
6	* 15.95527	27.97	PK	40.7	-20.9	0	47.77	-	-	74	-26.23	-	-	0-360	250	V

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

Radiated Emissions

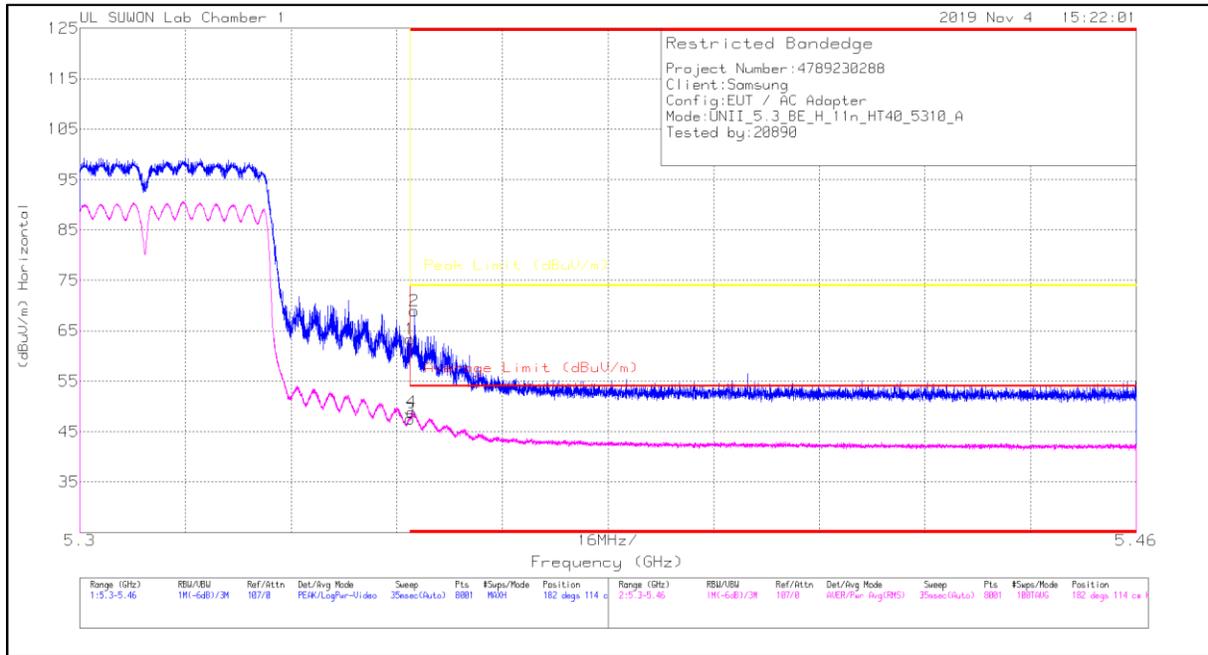
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.96675	38.74	PK-U	36	-26.3	0	48.44	-	-	-	-	68.2	-19.76	0	100	H
7.96956	38.28	PK-U	36	-26.2	0	48.08	-	-	-	-	68.2	-20.12	0	100	V
* 10.63861	40.79	PK-U	37.8	-22.2	0	56.39	-	-	74	-17.61	-	-	180	233	H
* 10.63921	28.6	ADR	37.8	-22.1	0	44.3	54	-9.7	-	-	-	-	180	233	H
* 10.64181	42.66	PK-U	37.8	-22.1	0	58.36	-	-	74	-15.64	-	-	166	233	V
* 10.63949	30.27	ADR	37.8	-22.1	0	45.97	54	-8.03	-	-	-	-	166	233	V
* 15.95707	42.46	PK-U	40.7	-20.9	0	62.26	-	-	74	-11.74	-	-	197	100	H
* 15.95927	28.17	ADR	40.7	-20.9	0	47.97	54	-6.03	-	-	-	-	197	100	H
* 15.95643	40.04	PK-U	40.7	-20.9	0	59.84	-	-	74	-14.16	-	-	127	382	V
* 15.95947	26.52	ADR	40.7	-20.9	0	46.32	54	-7.68	-	-	-	-	127	382	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

11.2.3. TX ABOVE 1GHz 802.11n HT40 2Tx CDD MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

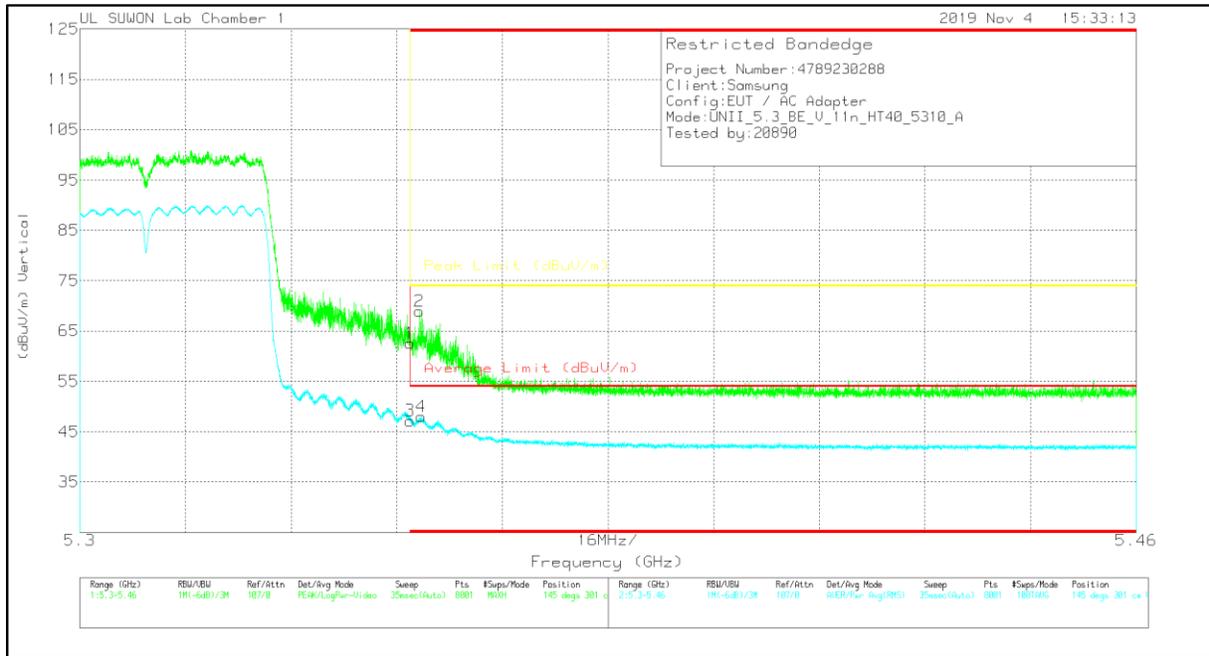
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	50.23	Pk	34.7	-21.6	0	63.33	-	-	74	-10.67	182	114	H
2	* 5.3507	55.82	Pk	34.7	-21.6	0	68.92	-	-	74	-5.08	182	114	H
3	* 5.35002	34.37	RMS	34.7	-21.6	0	47.47	54	-6.53	-	-	182	114	H
4	* 5.35024	35.73	RMS	34.7	-21.6	0	48.83	54	-5.17	-	-	182	114	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



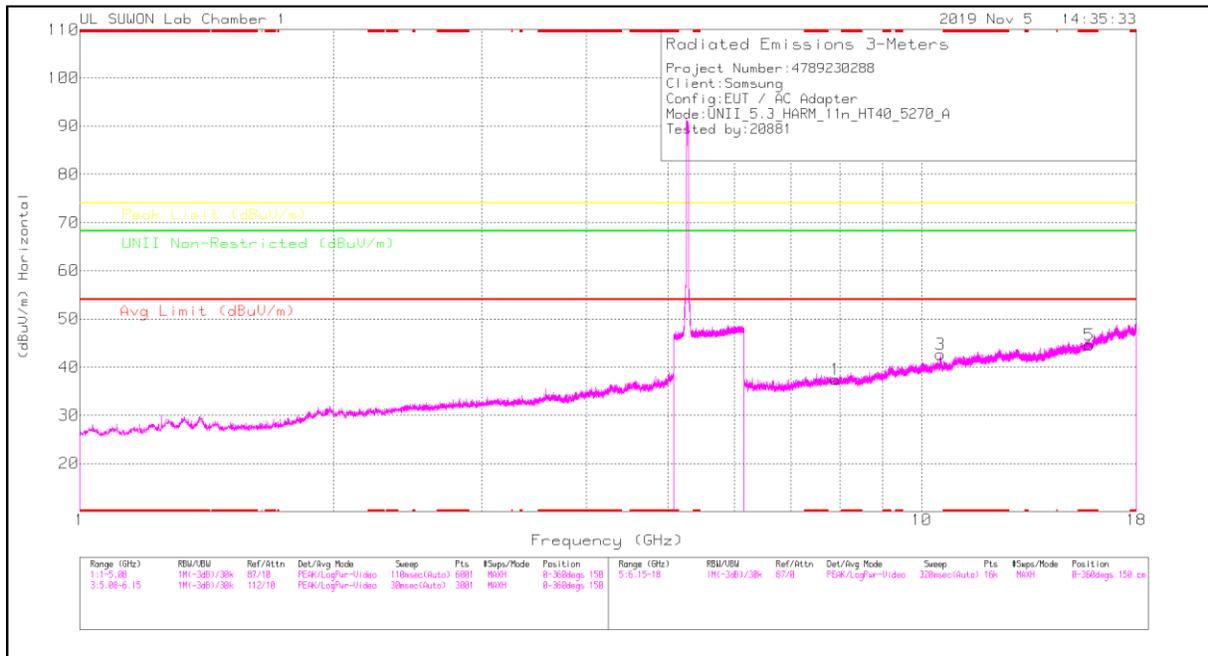
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[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	* 5.35002	49.49	Pk	34.7	-21.6	0	62.59	-	-	74	-11.41	145	301	V
2	* 5.35138	55.82	Pk	34.7	-21.6	0	68.92	-	-	74	-5.08	145	301	V
3	* 5.35002	34.1	RMS	34.7	-21.6	0	47.2	54	-6.8	-	-	145	301	V
4	* 5.35168	34.88	RMS	34.7	-21.6	0	47.98	54	-6.02	-	-	145	301	V

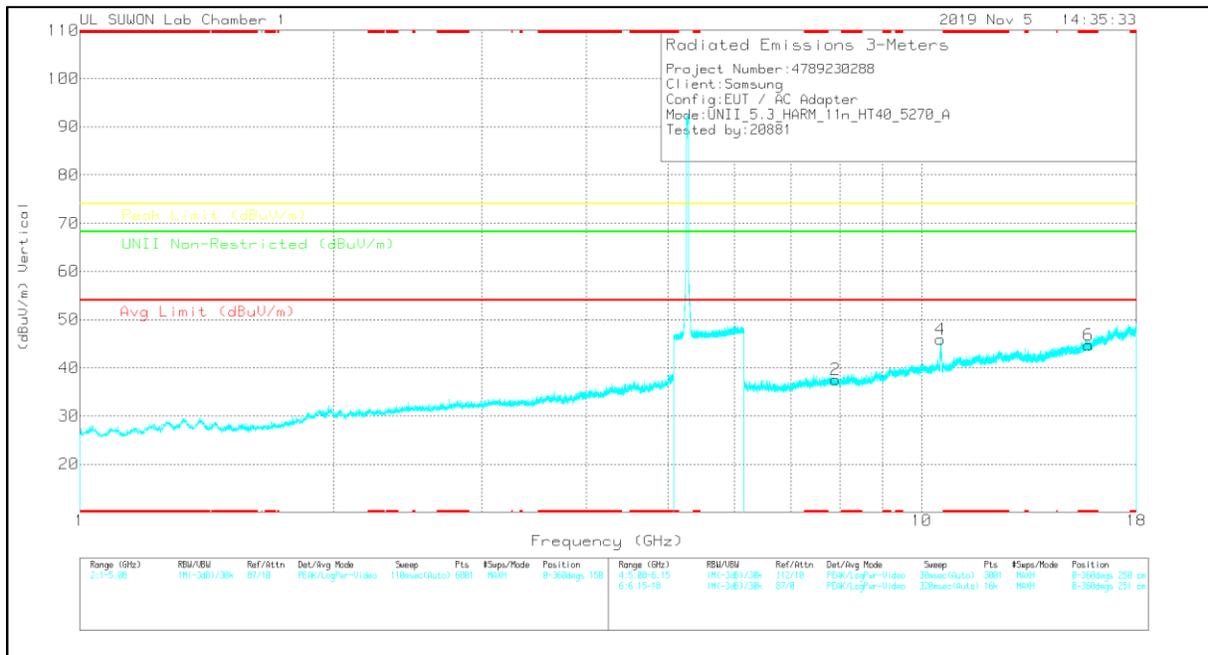
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.90369	28.08	PK	36	-26.6	0	37.48	-	-	-	-	68.2	-30.72	0-360	251	H
3	10.53941	27.8	PK	37.7	-22.9	0	42.6	-	-	-	-	68.2	-25.6	0-360	251	H
5	* 15.81159	25.27	PK	40.5	-21.2	0	44.57	-	-	74	-29.43	-	-	0-360	150	H
2	7.90369	28.14	PK	36	-26.6	0	37.54	-	-	-	-	68.2	-30.66	0-360	149	V
4	10.53719	31.22	PK	37.7	-23	0	45.92	-	-	-	-	68.2	-22.28	0-360	251	V
6	* 15.80937	25.56	PK	40.5	-21.3	0	44.76	-	-	74	-29.24	-	-	0-360	149	V

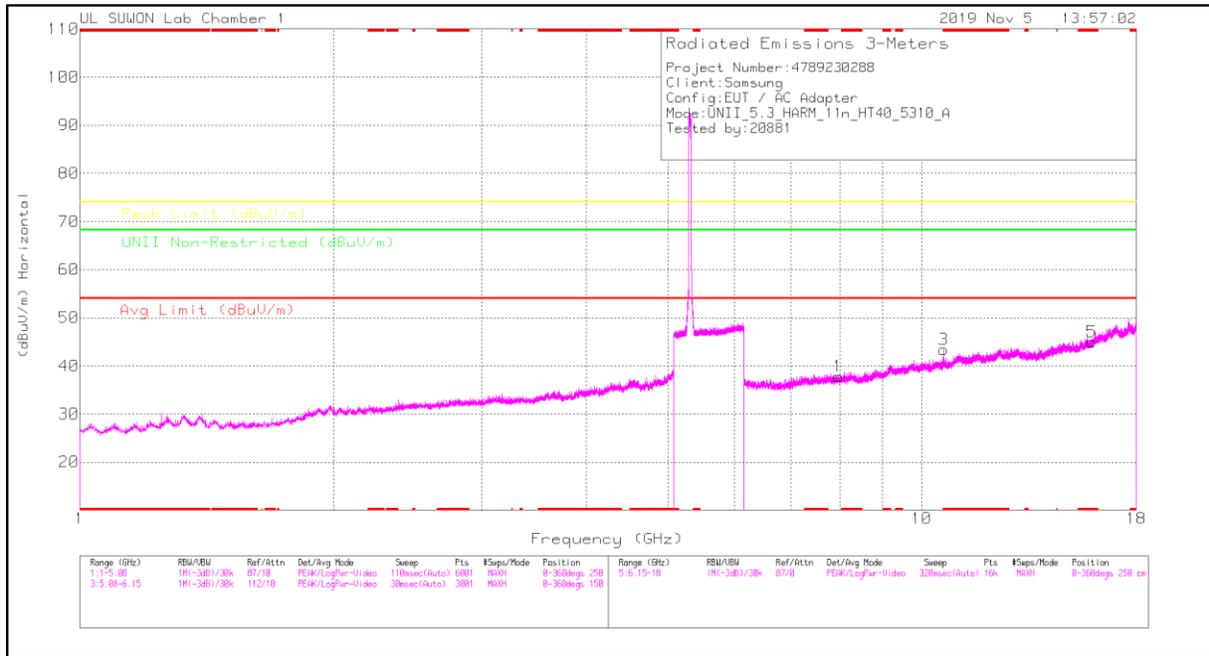
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

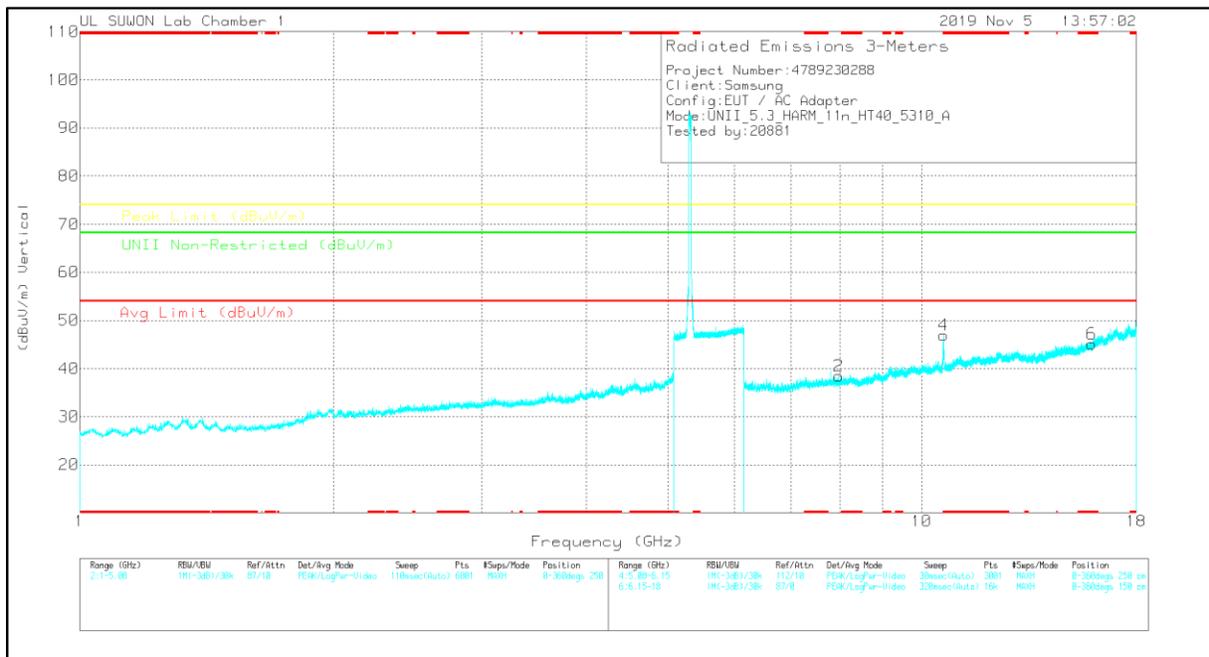
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.90225	38.56	PK-U	36	-26.6	0	47.96	-	-	-	-	68.2	-20.24	0	100	H
7.90332	38.59	PK-U	36	-26.6	0	47.99	-	-	-	-	68.2	-20.21	0	100	V
10.53985	39.5	PK-U	37.7	-22.9	0	54.3	-	-	-	-	68.2	-13.9	136	103	H
10.53985	45.7	PK-U	37.7	-22.9	0	60.5	-	-	-	-	68.2	-7.7	140	103	V
* 15.81213	36.07	PK-U	40.5	-21.2	0	55.37	-	-	74	-18.63	-	-	0	100	H
* 15.81162	35.57	PK-U	40.5	-21.2	0	54.87	-	-	74	-19.13	-	-	0	100	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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.96738	28.13	PK	36	-26.3	0	37.83	-	-	-	-	68.2	-30.37	0-360	150	H
3	* 10.61495	28.02	PK	37.8	-22.4	0	43.42	-	-	74	-30.58	-	-	0-360	250	H
5	* 15.93083	25.43	PK	40.7	-21.1	0	45.03	-	-	74	-28.97	-	-	0-360	150	H
2	7.97034	28.73	PK	36	-26.3	0	38.43	-	-	-	-	68.2	-29.77	0-360	150	V
4	* 10.61717	31.39	PK	37.8	-22.3	0	46.89	-	-	74	-27.11	-	-	0-360	250	V
6	* 15.93157	25.51	PK	40.7	-21.1	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

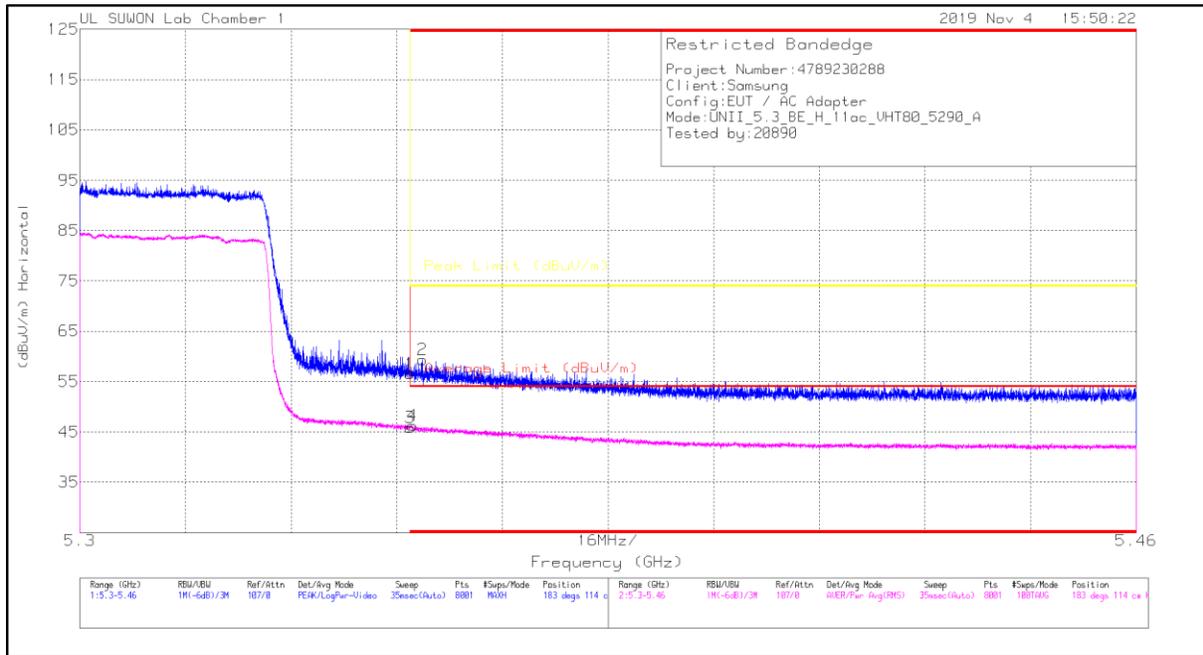
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.96627	38.74	PK-U	36	-26.3	0	48.44	-	-	-	-	68.2	-19.76	0	100	H
7.96777	38.44	PK-U	36	-26.3	0	48.14	-	-	-	-	68.2	-20.06	0	100	V
* 10.61194	39.52	PK-U	37.8	-22.3	0	55.02	-	-	74	-18.98	-	-	134	101	H
* 10.61984	26.77	ADR	37.8	-22.3	0	42.27	54	-11.73	-	-	-	-	134	101	H
* 10.62032	44.32	PK-U	37.8	-22.3	0	59.82	-	-	74	-14.18	-	-	135	101	V
* 10.61984	32.03	ADR	37.8	-22.3	0	47.53	54	-6.47	-	-	-	-	135	101	V
* 15.93007	35.5	PK-U	40.7	-21.2	0	56	-	-	74	-19	-	-	0	101	H
* 15.93096	35.23	PK-U	40.7	-21.1	0	54.83	-	-	74	-19.17	-	-	0	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

11.2.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (High CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

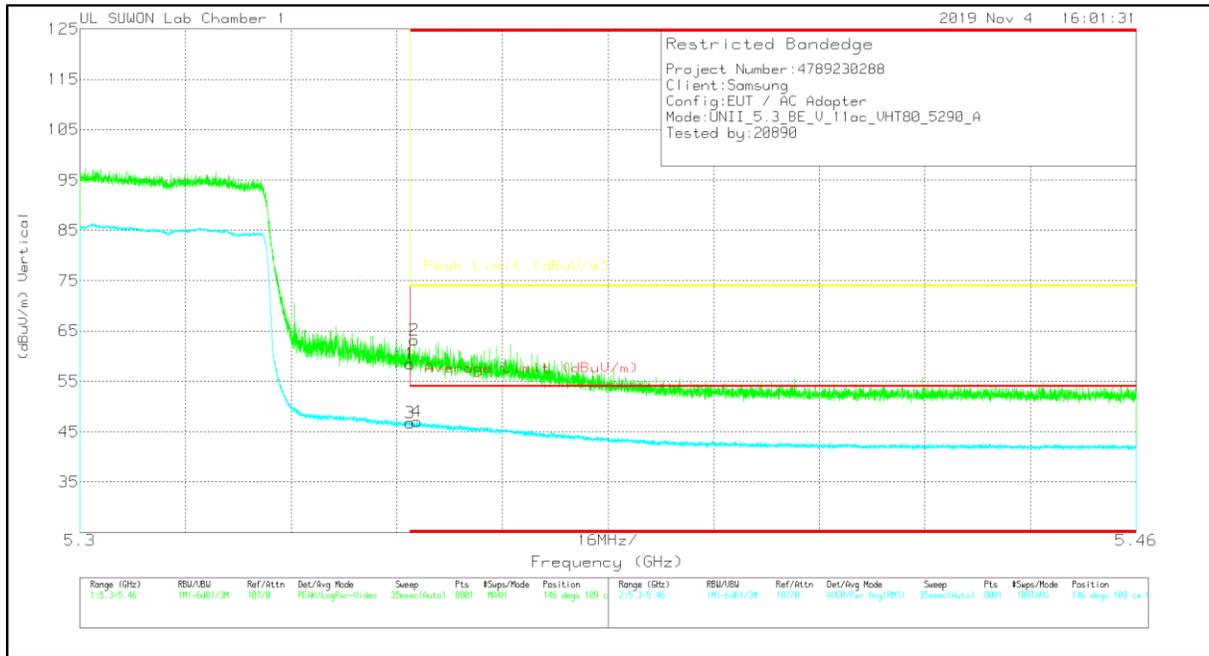
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	43.47	Pk	34.7	-21.6	0	56.57	-	-	74	-17.43	183	114	H
2	* 5.35192	46.22	Pk	34.7	-21.6	0	59.32	-	-	74	-14.68	183	114	H
3	* 5.35002	32.82	RMS	34.7	-21.6	0	45.92	54	-8.08	-	-	183	114	H
4	* 5.35042	33.21	RMS	34.7	-21.6	0	46.31	54	-7.69	-	-	183	114	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



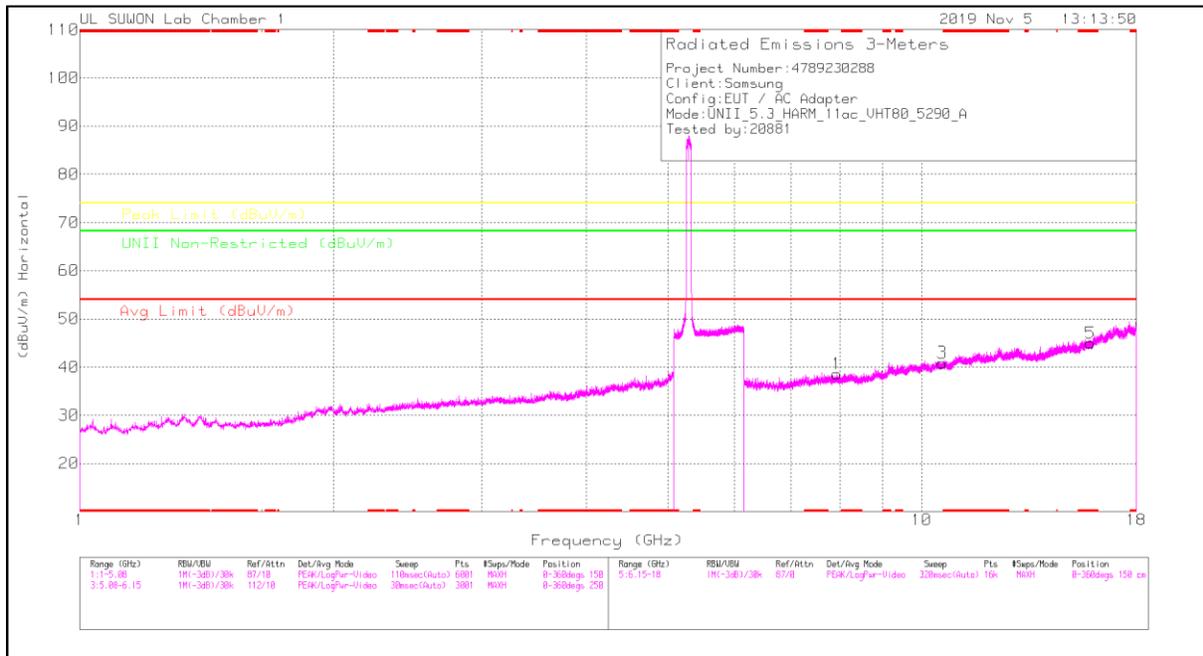
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[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	* 5.35002	45.4	Pk	34.7	-21.6	0	58.5	-	-	74	-15.5	146	109	V
2	* 5.35064	50.14	Pk	34.7	-21.6	0	63.24	-	-	74	-10.76	146	109	V
3	* 5.35002	33.61	RMS	34.7	-21.6	0	46.71	54	-7.29	-	-	146	109	V
4	* 5.351	33.93	RMS	34.7	-21.6	0	47.03	54	-6.97	-	-	146	109	V

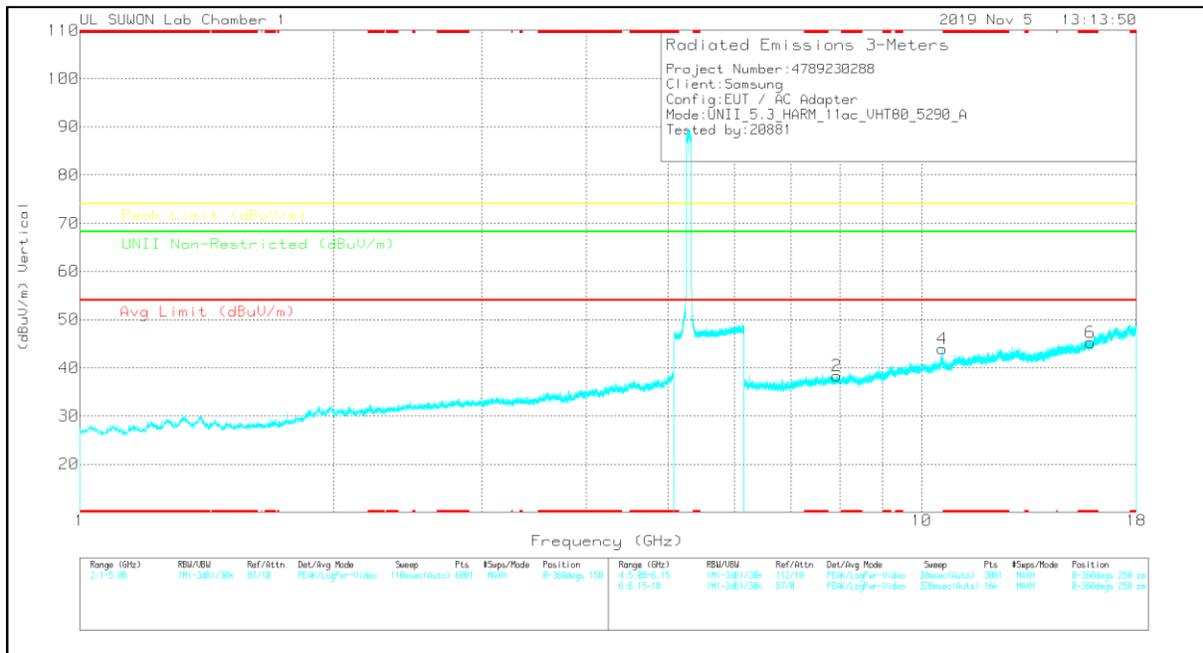
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
1	7.92813	29.07	PK	36	-26.5	0	38.57	-	-	-	-	68.2	-29.63	0-360	250	H
3	10.58088	25.88	PK	37.8	-22.8	0	40.88	-	-	-	-	68.2	-27.32	0-360	250	H
5	* 15.87084	25.43	PK	40.6	-21	0	45.03	-	-	74	-28.97	-	-	0-360	150	H
2	7.92961	28.82	PK	36	-26.5	0	38.32	-	-	-	-	68.2	-29.88	0-360	250	V
4	10.58903	28.81	PK	37.8	-22.7	0	43.91	-	-	-	-	68.2	-24.29	0-360	150	V
6	* 15.86936	25.65	PK	40.6	-21	0	45.25	-	-	74	-28.75	-	-	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_HP[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)	Azimuth (Degs)	Height (cm)	Polarity
7.92988	38.92	PK-U	36	-26.5	0	48.42	-	-	-	-	68.2	-19.78	360	100	H
7.92841	38.28	PK-U	36	-26.5	0	47.78	-	-	-	-	68.2	-20.42	360	100	V
10.57596	37.3	PK-U	37.8	-22.8	0	52.2	-	-	-	-	68.2	-16	136	101	H
10.58016	40.5	PK-U	37.8	-22.8	0	55.5	-	-	-	-	68.2	-12.7	139	102	V
* 15.86914	35.72	PK-U	40.6	-21	0	55.32	-	-	74	-18.68	-	-	0	100	H
* 15.87135	35.79	PK-U	40.6	-21	0	55.39	-	-	74	-18.61	-	-	0	100	V

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