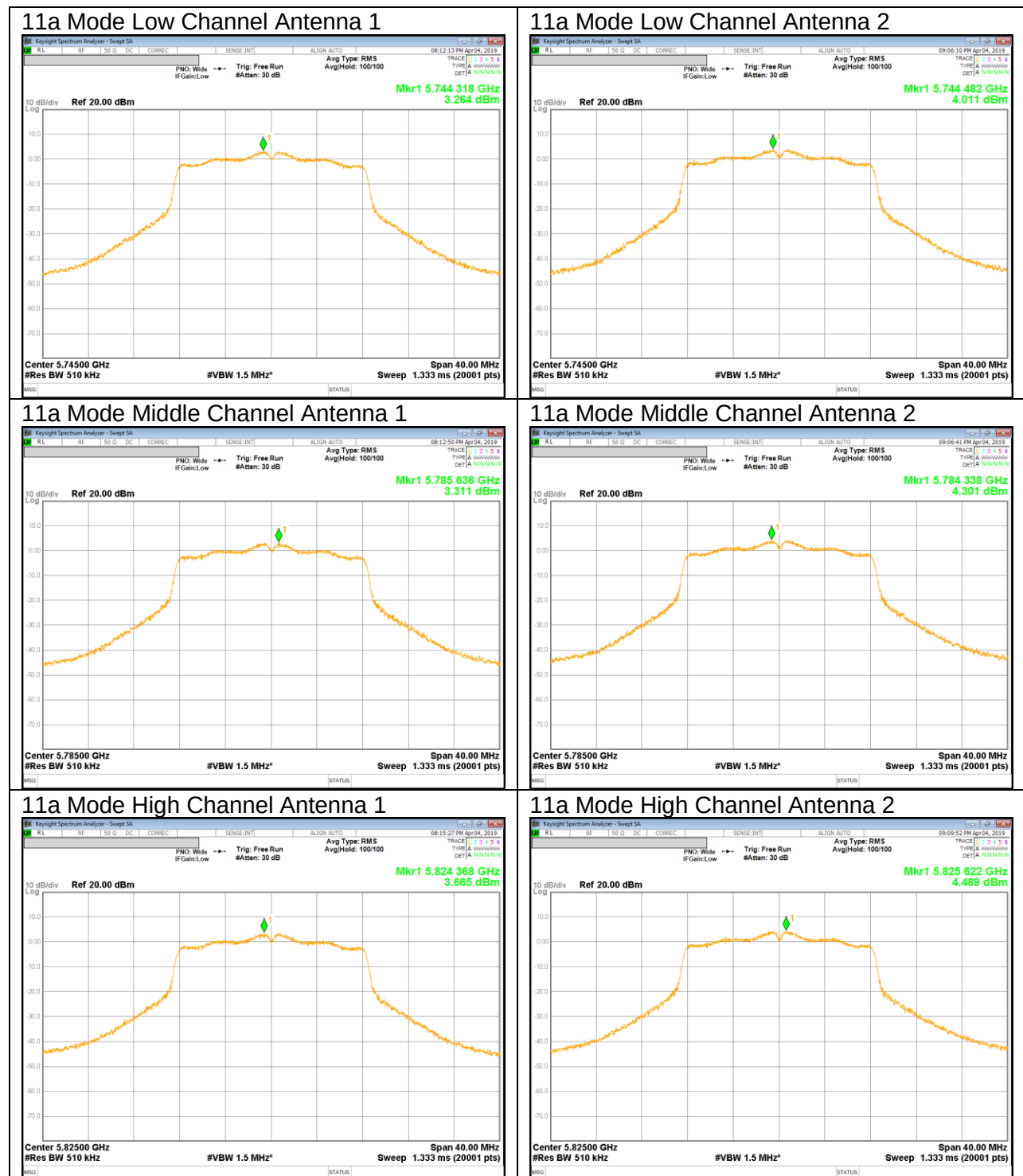
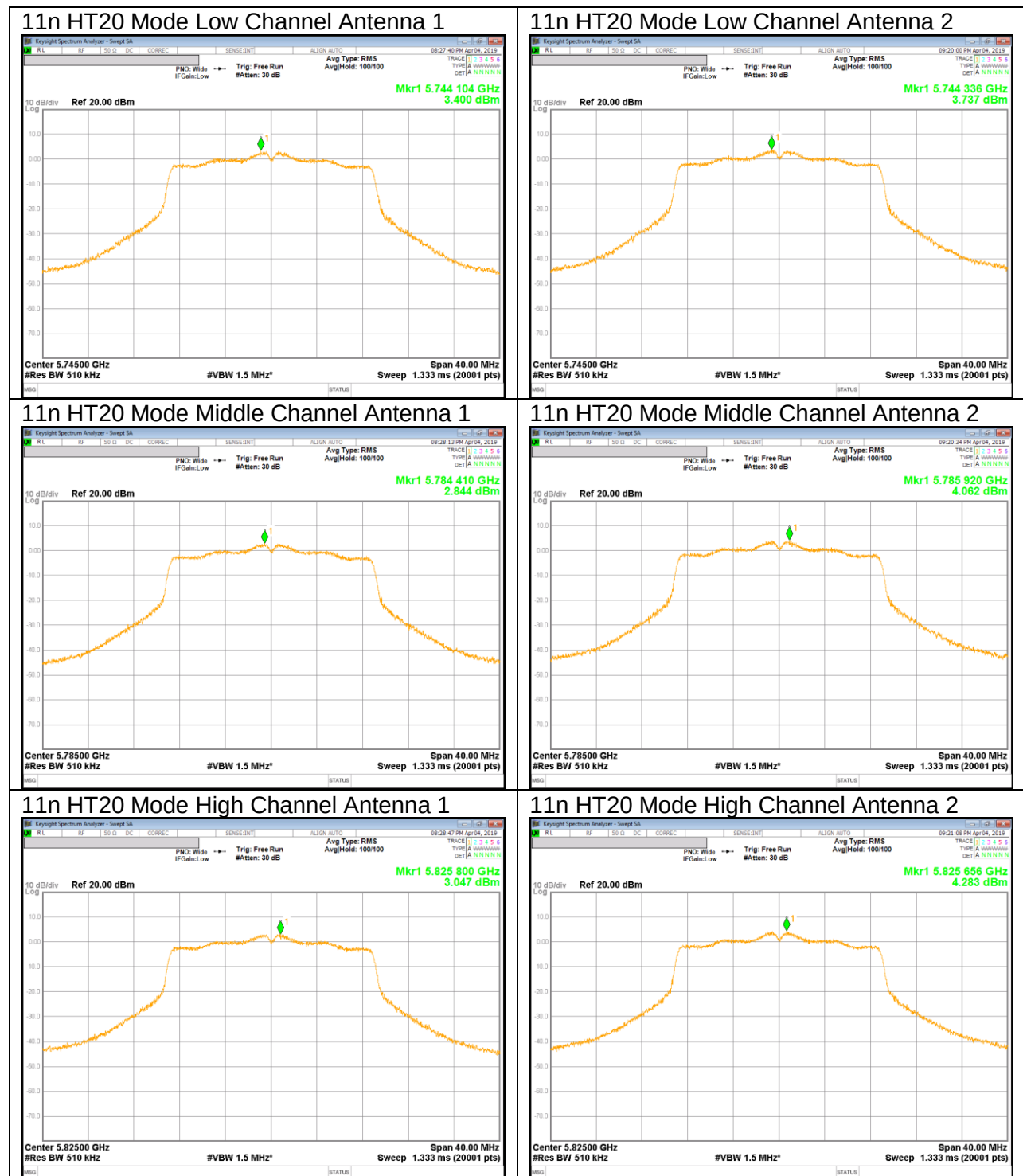


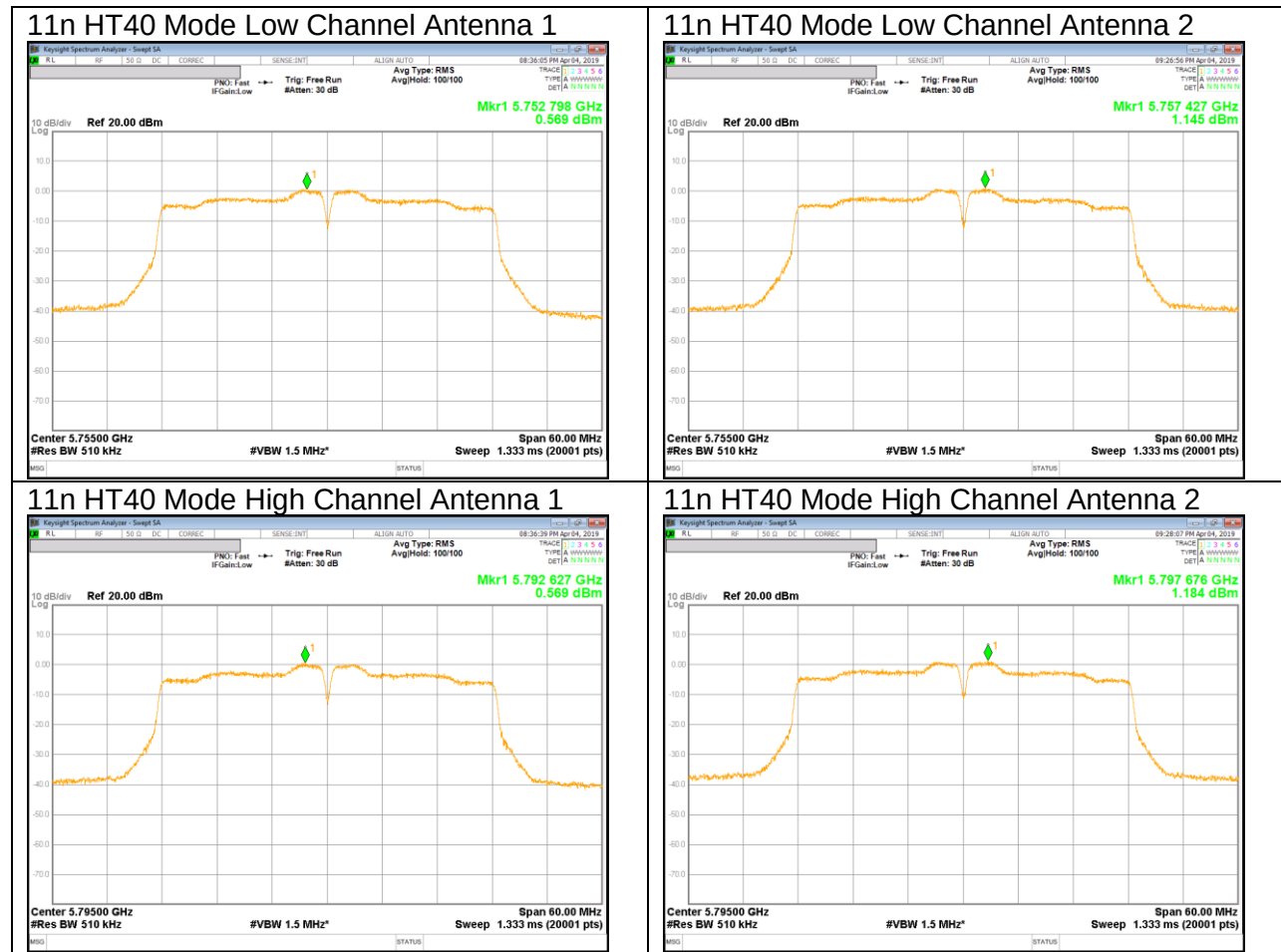
UNII 5.8 GHz IEEE 802.11a mode PSD



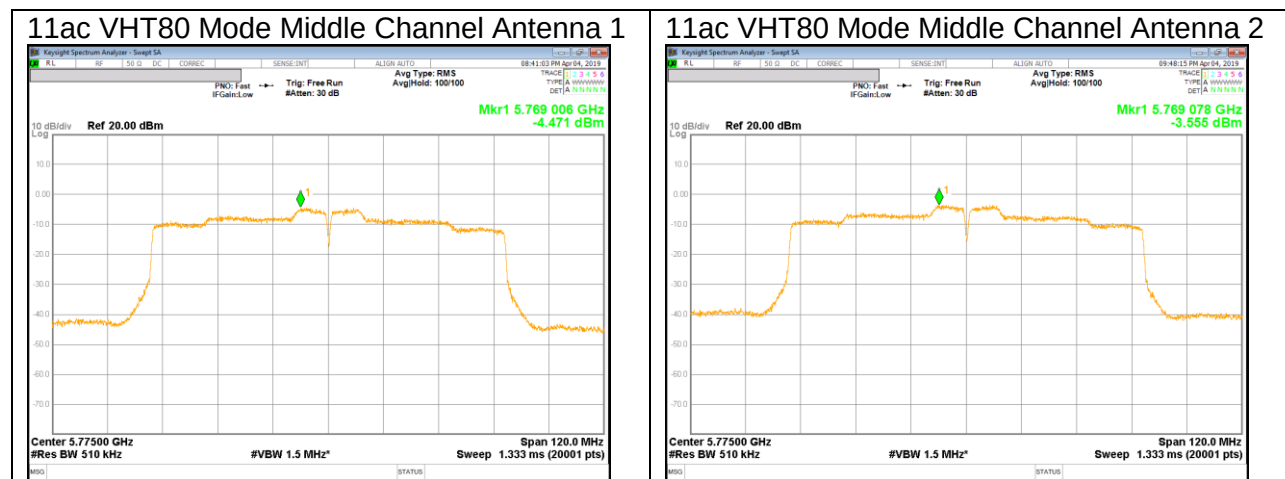
UNII 5.8 GHz IEEE 802.11n HT20 mode mode PSD



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 field test site, adequate comparison measurements were confirmed against 30 m open are test site.

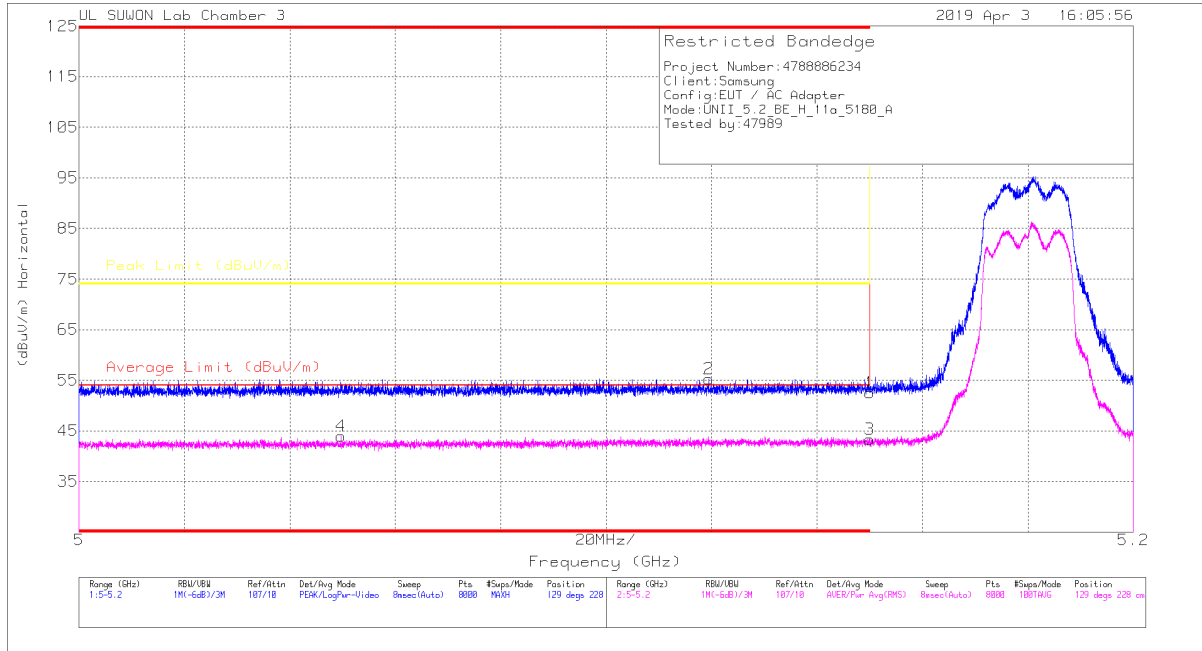
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

11.1. 5.2 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

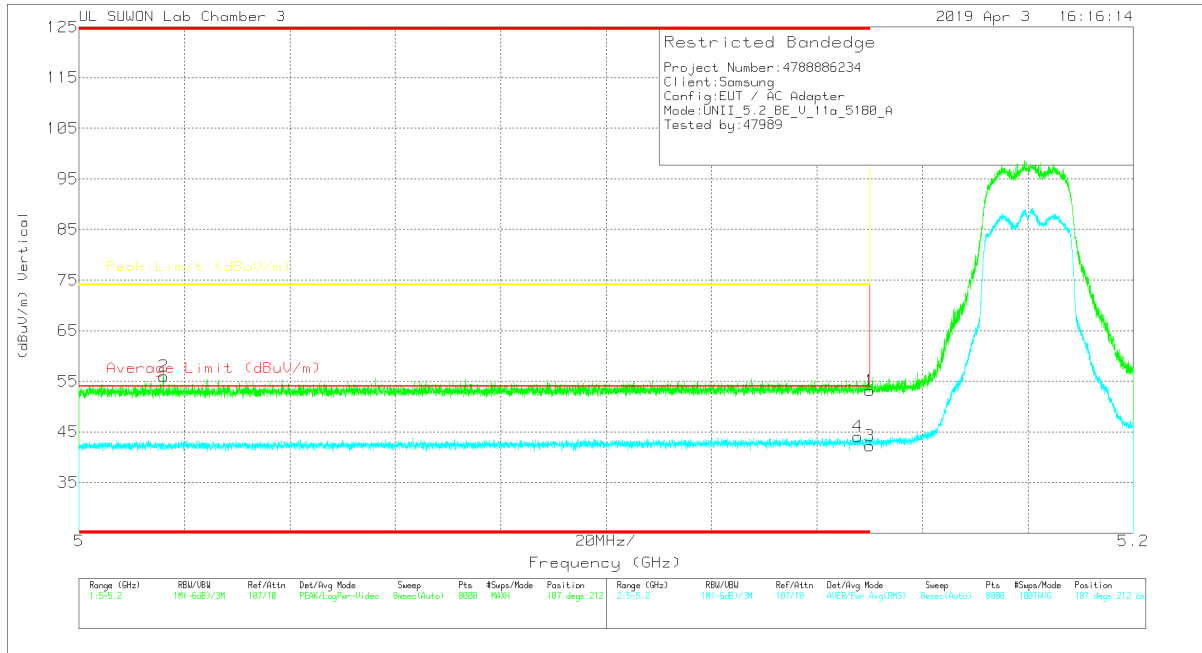
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.12	PK	34.4	-19	0	52.52	-	-	74	-21.48	129	228	H
2	* 5.119	39.98	PK	34.4	-19.1	0	55.28	-	-	74	-18.72	129	228	H
3	* 5.15	28.36	RMS	34.4	-19.4	0	43.36	54	-10.64	-	-	129	228	H
4	* 5.05	29.3	RMS	34.3	-19.6	0	44	54	-10	-	-	129	228	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_00205959	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	37.75	Pk	34.4	-19	0	53.15	-	-	74	-20.85	187	212	V
2	* 5.016	40.96	Pk	34.2	-19.2	0	55.96	-	-	74	-18.04	187	212	V
3	* 5.15	27.18	RMS	34.4	-19.4	0	42.18	54	-11.82	-	-	187	212	V
4	* 5.148	29.05	RMS	34.4	-19.4	0	44.05	54	-9.95	-	-	187	212	V

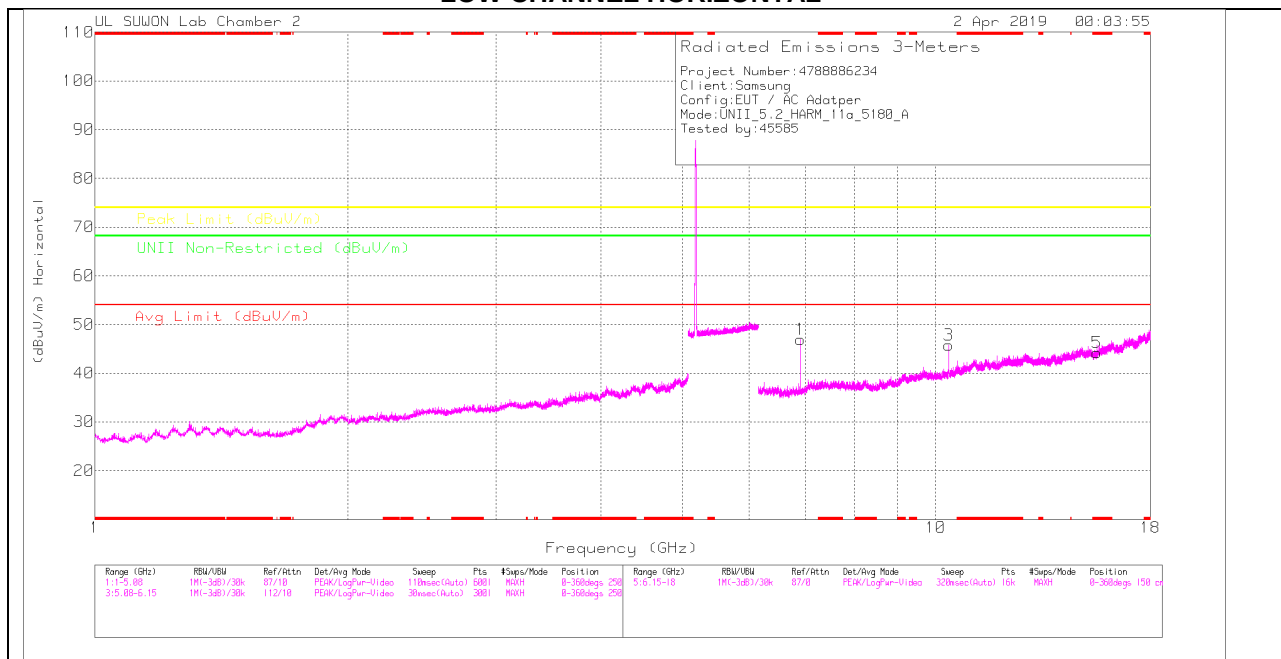
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

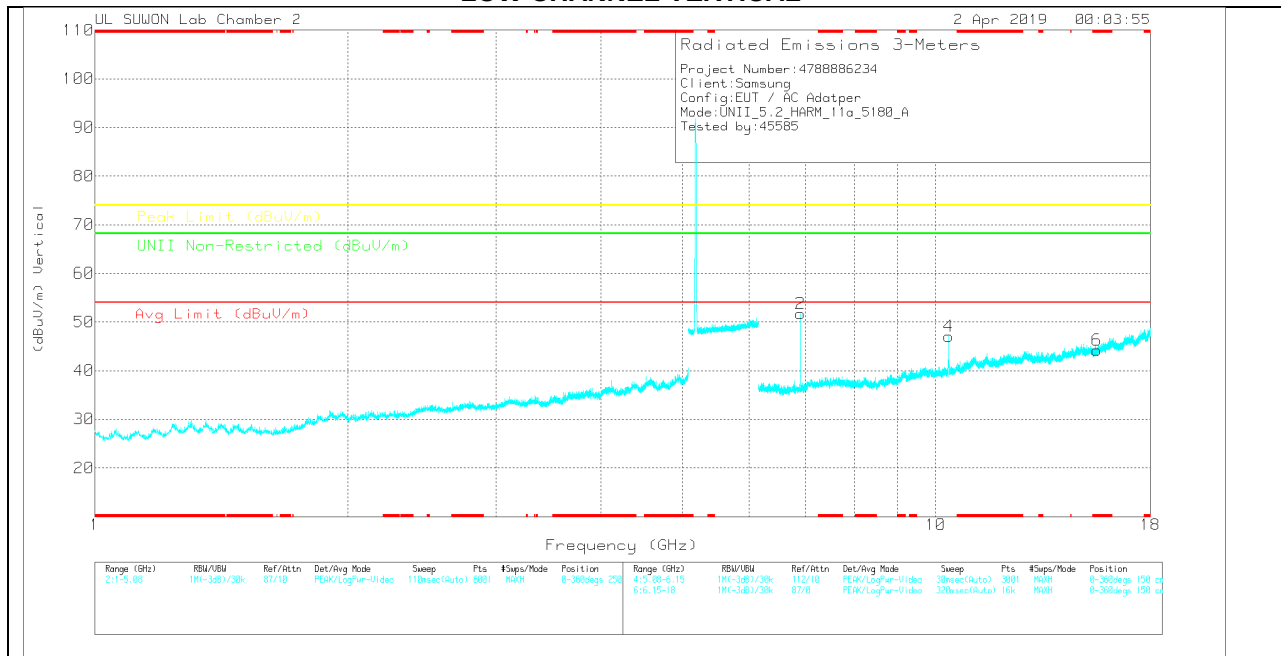
RMS - RMS detection

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.906	36.43	PK	35.7	-25.2	0	46.93	-	-	-	-	68.2	-21.27	0-360	150	H
3	10.36	29.24	PK	37.5	-21	0	45.74	-	-	-	-	68.2	-22.46	0-360	150	H
5	* 15.545	24.06	PK	39.9	-19.7	0	44.26	-	-	74	-29.74	-	-	0-360	250	H
2	6.906	41.18	PK	35.7	-25.2	0	51.68	-	-	-	-	68.2	-16.52	0-360	150	V
4	10.36	30.58	PK	37.5	-21	0	47.08	-	-	-	-	68.2	-21.12	0-360	250	V
6	* 15.541	24.06	PK	39.9	-19.7	0	44.26	-	-	74	-29.74	-	-	0-360	150	V

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

PK – Peak Detector

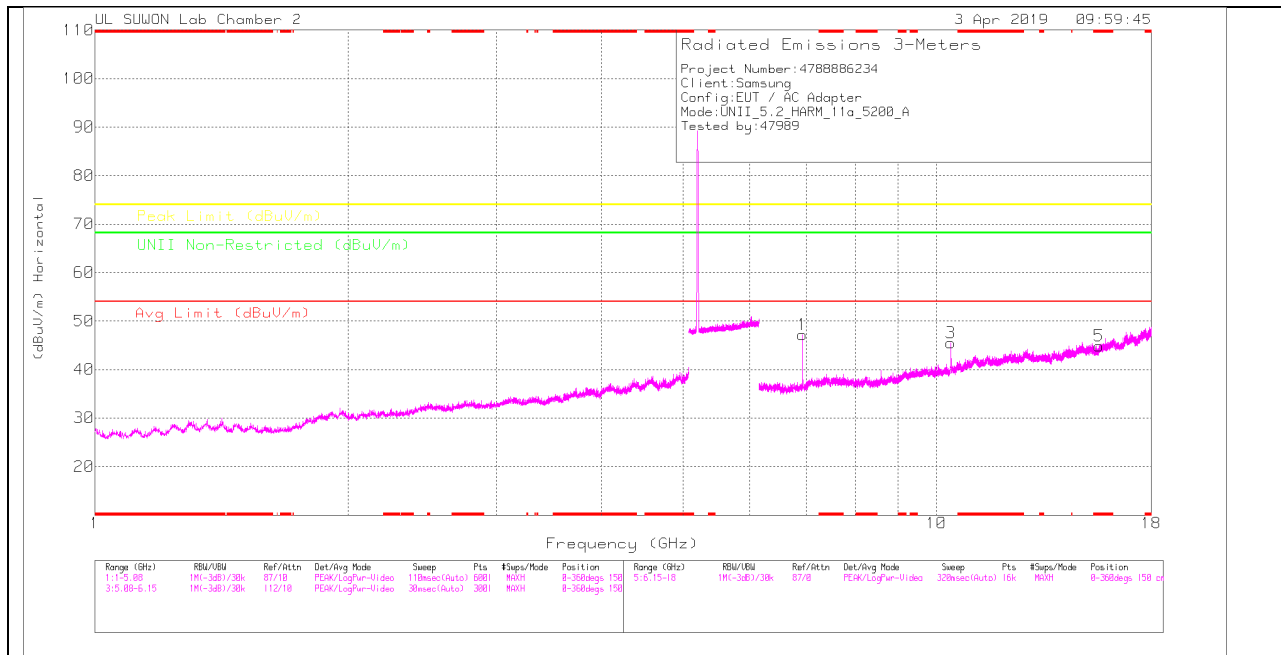
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.907	42.06	PK-U	35.7	-25.2	0	52.56	-	-	-	-	68.2	-15.64	214	118	H
6.907	45.11	PK-U	35.7	-25.2	0	55.61	-	-	-	-	68.2	-12.59	191	125	V
10.36	41.96	PK-U	37.5	-21	0	58.46	-	-	-	-	68.2	-9.74	176	172	H
10.36	40.25	PK-U	37.5	-21	0	56.75	-	-	-	-	68.2	-11.45	150	190	V

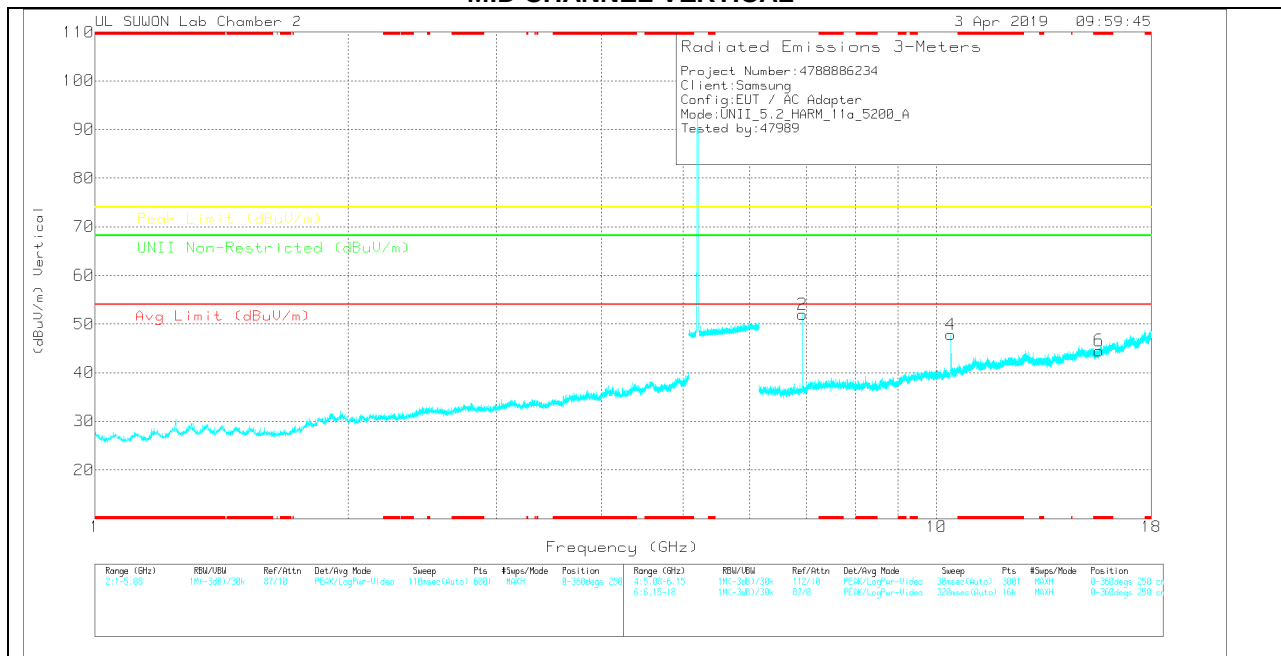
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.933	36.8	PK	35.7	-25.3	0	47.2	-	-	-	-	68.2	-21	0-360	150	H
3	10.4	28.9	PK	37.6	-21	0	45.5	-	-	-	-	68.2	-22.7	0-360	250	H
5	* 15.605	24.61	PK	40	-19.8	0	44.81	-	-	74	-29.19	-	-	0-360	150	H
2	6.933	41.58	PK	35.7	-25.3	0	51.98	-	-	-	-	68.2	-16.22	0-360	150	V
4	10.4	31.27	PK	37.6	-21	0	47.87	-	-	-	-	68.2	-20.33	0-360	250	V
6	* 15.599	24.33	PK	40	-19.8	0	44.53	-	-	74	-29.47	-	-	0-360	150	V

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

PK – Peak Detector

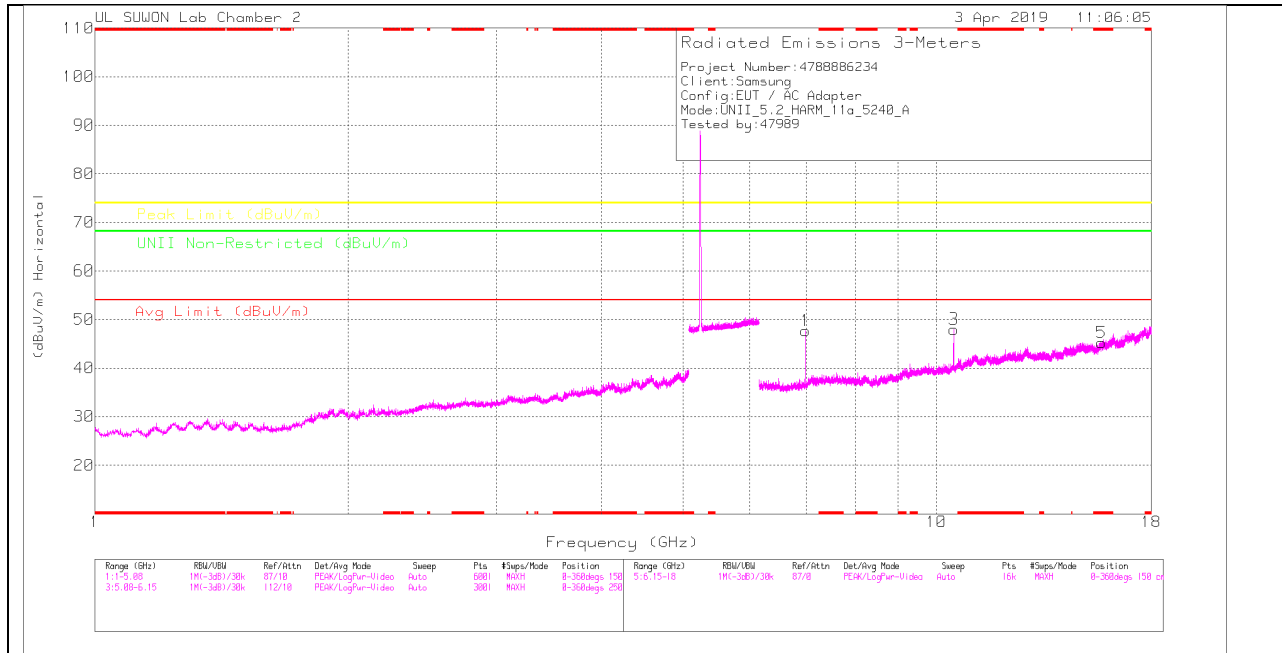
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.933	42.05	PK-U	35.7	-25.3	0	52.45	-	-	-	-	68.2	-15.75	218	175	H
6.933	45.14	PK-U	35.7	-25.3	0	55.54	-	-	-	-	68.2	-12.66	182	160	V
10.4	40.91	PK-U	37.6	-21	0	57.51	-	-	-	-	68.2	-10.69	151	172	V
10.398	40.17	PK-U	37.6	-20.9	0	56.87	-	-	-	-	68.2	-11.33	171	161	H

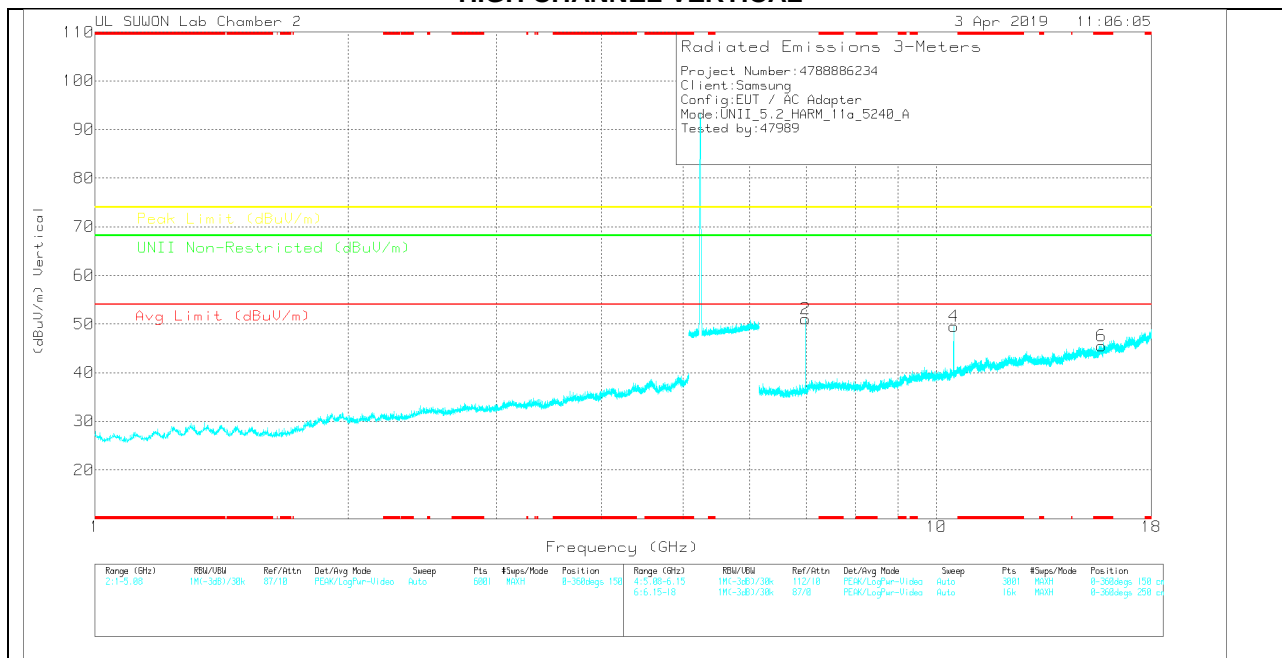
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168734	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.986	37.66	PK	35.8	-25.8	0	47.66	-	-	-	-	68.2	-20.54	0-360	150	H
3	10.48	31.12	PK	37.7	-20.8	0	48.02	-	-	-	-	68.2	-20.18	0-360	150	H
5	* 15.72	24.56	PK	40.2	-19.5	0	45.26	-	-	74	-28.74	-	-	0-360	150	H
2	6.986	41.01	PK	35.8	-25.8	0	51.01	-	-	-	-	68.2	-17.19	0-360	250	V
4	10.48	32.63	PK	37.7	-20.8	0	49.53	-	-	-	-	68.2	-18.67	0-360	250	V
6	* 15.716	24.95	PK	40.2	-19.6	0	45.55	-	-	74	-28.45	-	-	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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.987	42.73	PK-U	35.8	-25.8	0	52.73	-	-	-	-	68.2	-15.47	204	106	H
6.987	44.54	PK-U	35.8	-25.8	0	54.54	-	-	-	-	68.2	-13.66	203	250	V
10.48	40.28	PK-U	37.7	-20.8	0	57.18	-	-	-	-	68.2	-11.02	175	163	H
10.48	41.92	PK-U	37.7	-20.8	0	58.82	-	-	-	-	68.2	-9.38	150	178	V

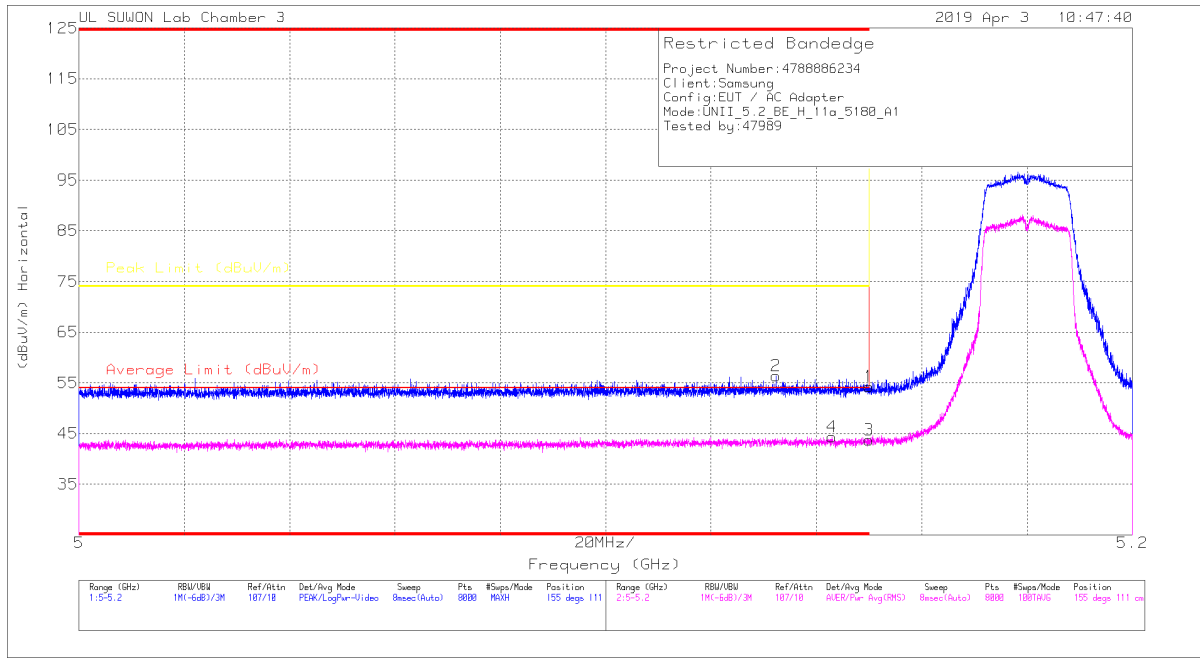
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 DATA



Trace Markers

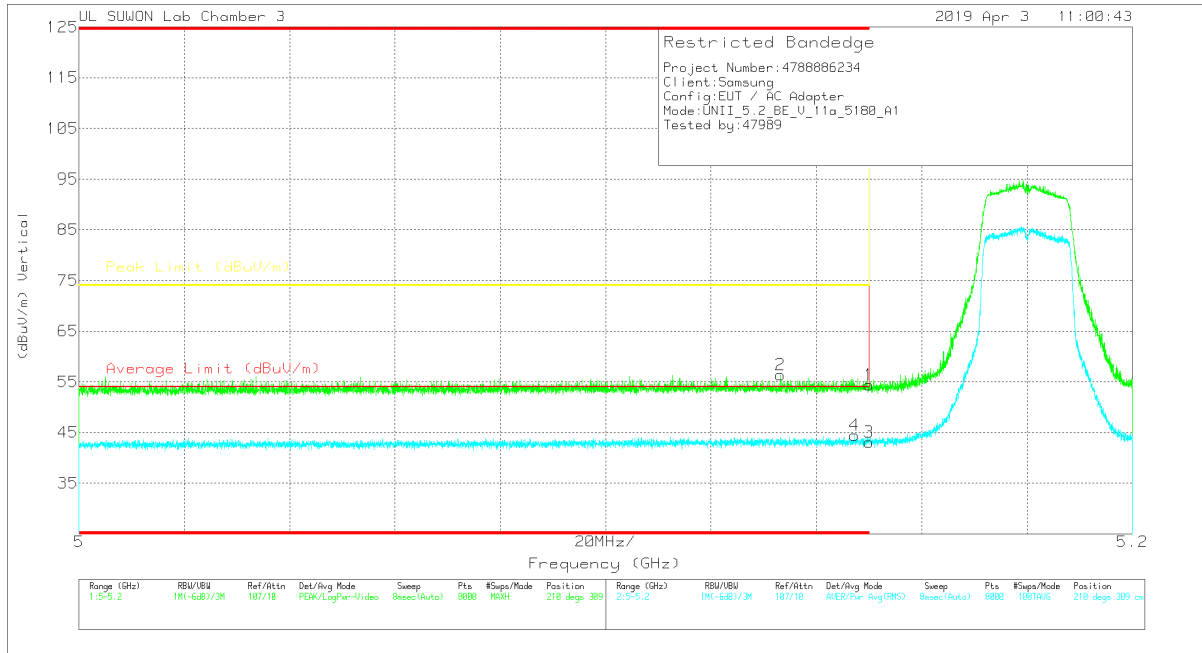
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.87	Pk	34.4	-19	0	54.27	-	-	74	-19.73	155	111	H
2	* 5.132	40.98	Pk	34.4	-19	0	56.38	-	-	74	-17.62	155	111	H
3	* 5.15	28.67	RMS	34.4	-19.4	0	43.67	54	-10.33	-	-	155	111	H
4	* 5.143	29.35	RMS	34.4	-19.4	0	44.35	54	-9.65	-	-	155	111	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_00205959	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	38.96	PK		34.4	-19	0	54.36	-	74	-19.64	210	309	V
2	* 5.133	41.01	PK		34.4	-19	0	56.41	-	74	-17.59	210	309	V
3	* 5.15	28.14	RMS		34.4	-19.4	0	43.14	-10.86	-	-	210	309	V
4	* 5.147	29.47	RMS		34.4	-19.4	0	44.47	-9.53	-	-	210	309	V

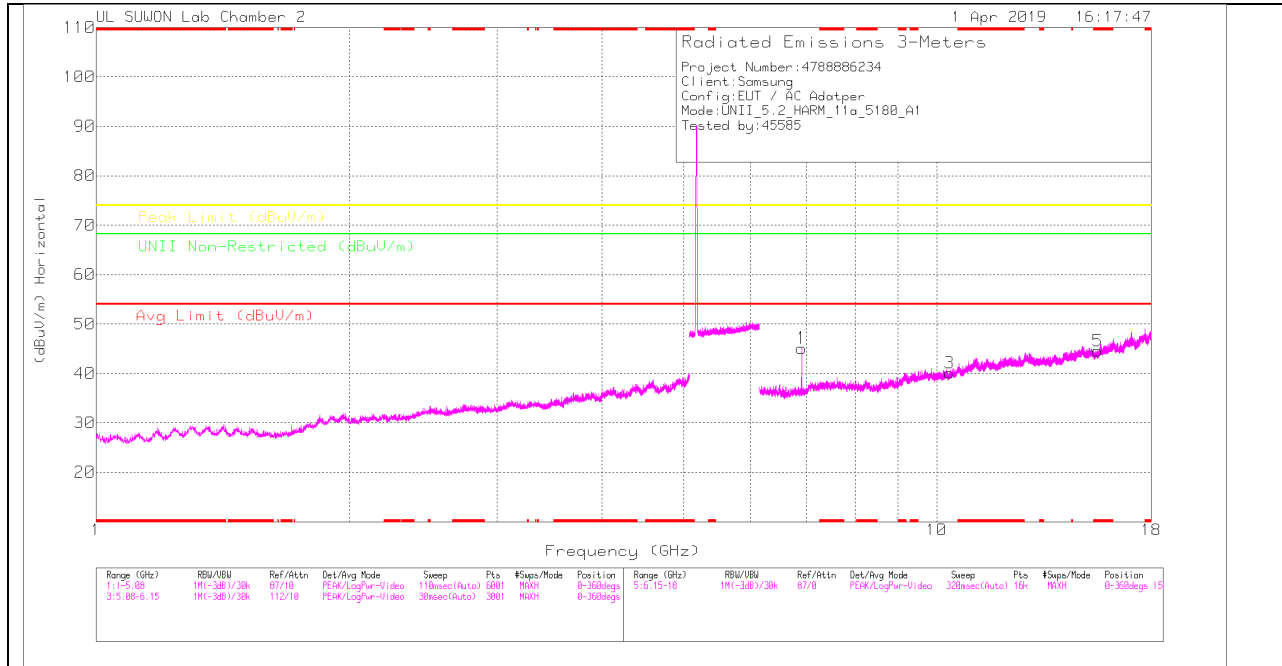
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

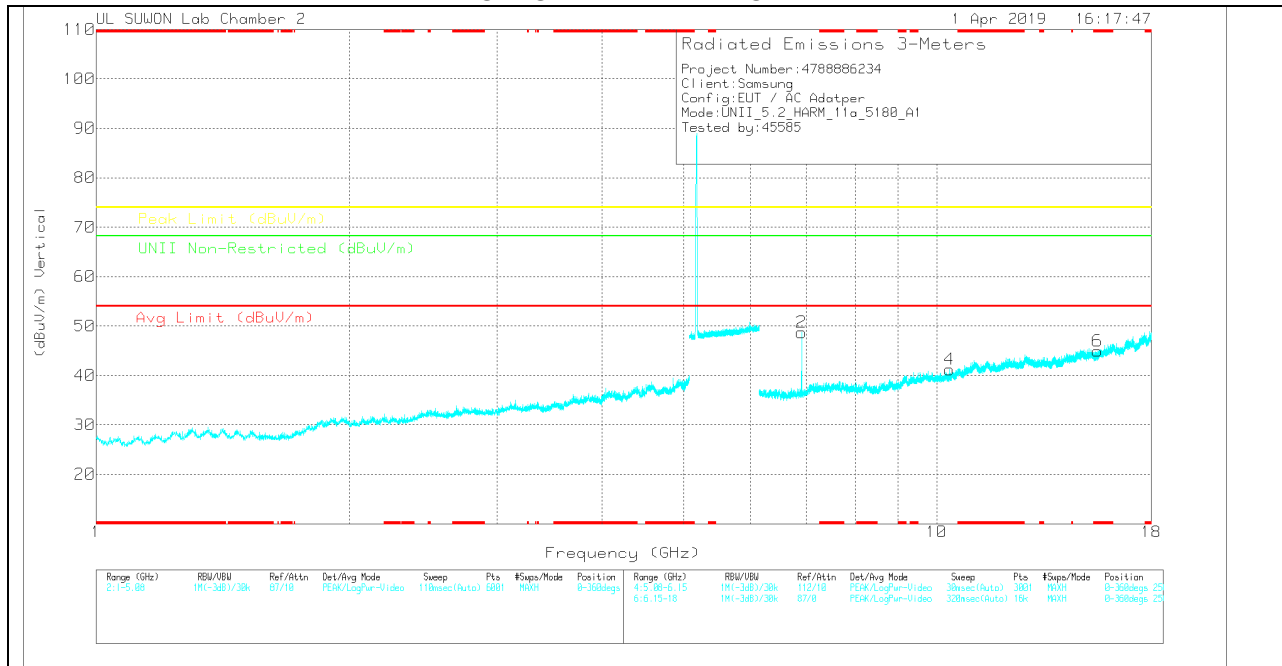
RMS - RMS detection

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	6.906	34.62	PK	35.7	-25.2	0	45.12	-	-	-	-	68.2	-23.08	0-360	150	H
3	10.361	23.57	PK	37.5	-21	0	40.07	-	-	-	-	68.2	-28.13	0-360	250	H
5	* 15.538	24.37	PK	39.9	-19.7	0	44.57	-	-	74	-29.43	-	-	0-360	150	H
2	6.906	38.21	PK	35.7	-25.2	0	48.71	-	-	-	-	68.2	-19.49	0-360	150	V
4	10.359	24.7	PK	37.5	-21	0	41.2	-	-	-	-	68.2	-27	0-360	150	V
6	* 15.535	24.72	PK	39.9	-19.7	0	44.92	-	-	74	-29.08	-	-	0-360	250	V

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

PK – Peak Detector

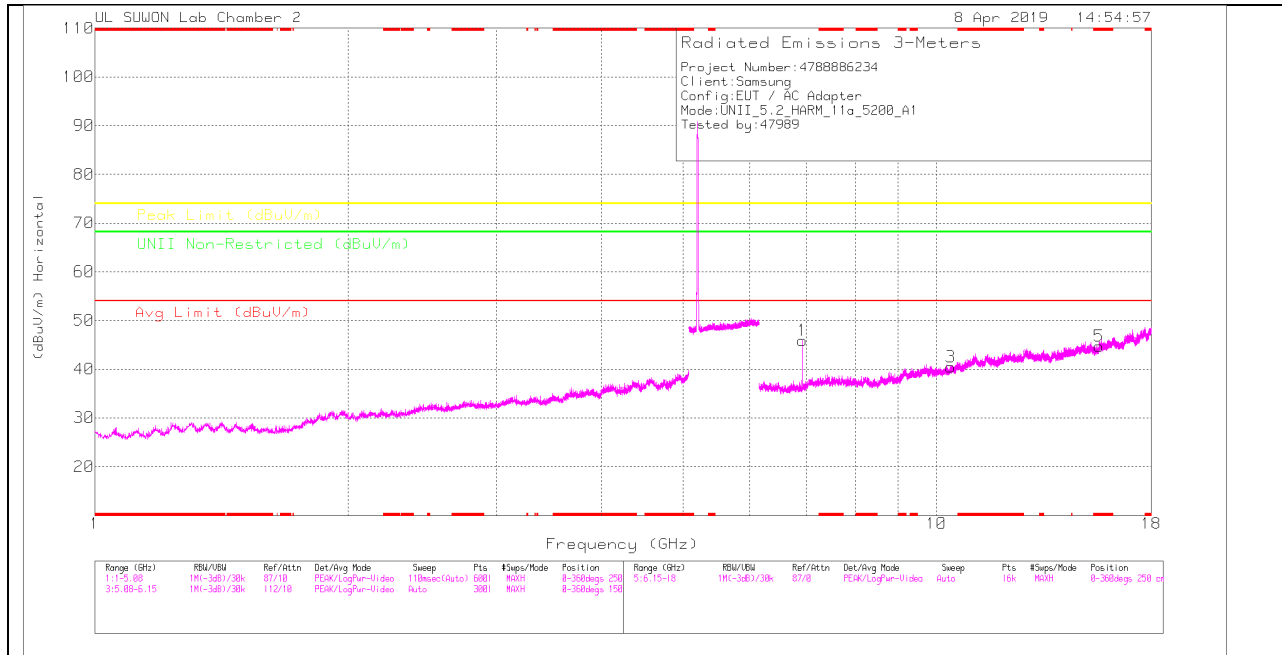
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
6.907	40.82	PK-U	35.7	-25.2	0	51.32	-	-	-	-	68.2	-16.88	45	123	H
6.907	42.83	PK-U	35.7	-25.2	0	53.33	-	-	-	-	68.2	-14.87	173	108	V

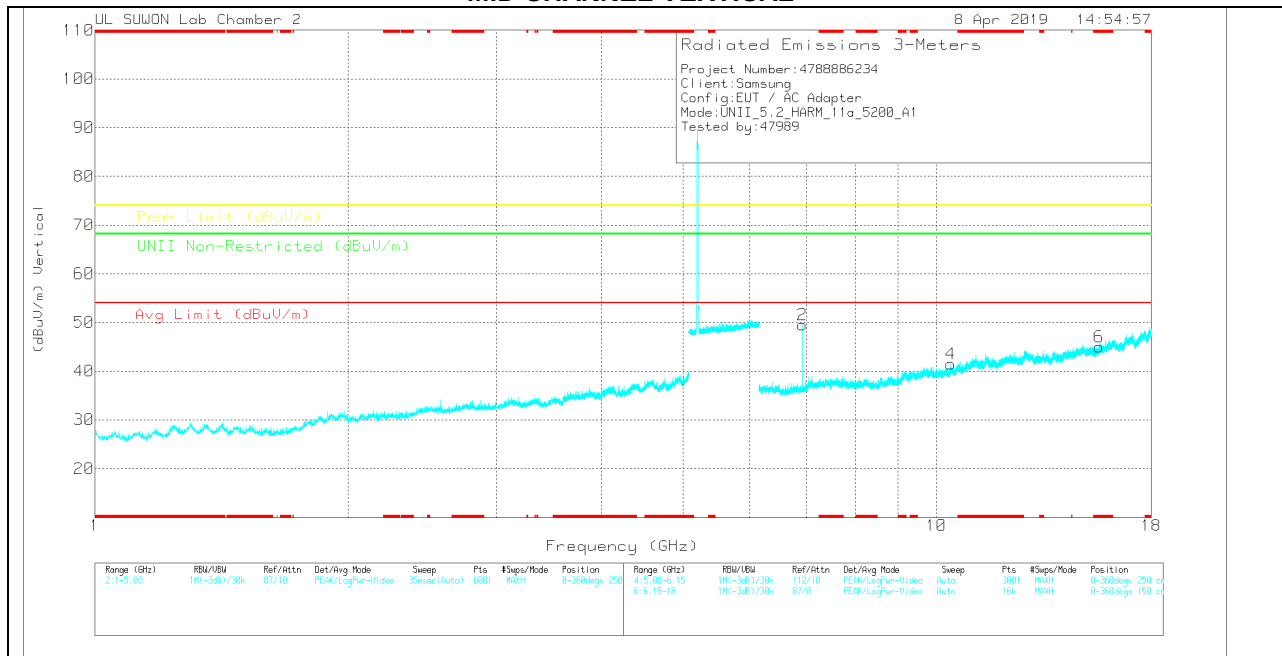
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.933	35.45	PK	35.7	-25.3	0	45.85	-	-	-	-	68.2	-22.35	0-360	150	H
3	10.395	23.84	PK	37.6	-21	0	40.44	-	-	-	-	68.2	-27.76	0-360	150	H
5	* 15.603	24.5	PK	40	-19.8	0	44.7	-	-	74	-29.3	-	-	0-360	250	H
2	6.933	39.12	PK	35.7	-25.3	0	49.52	-	-	-	-	68.2	-18.68	0-360	150	V
4	10.4	24.88	PK	37.6	-21	0	41.48	-	-	-	-	68.2	-26.72	0-360	150	V
6	* 15.602	24.83	PK	40	-19.8	0	45.03	-	-	74	-28.97	-	-	0-360	250	V

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

PK – Peak Detector

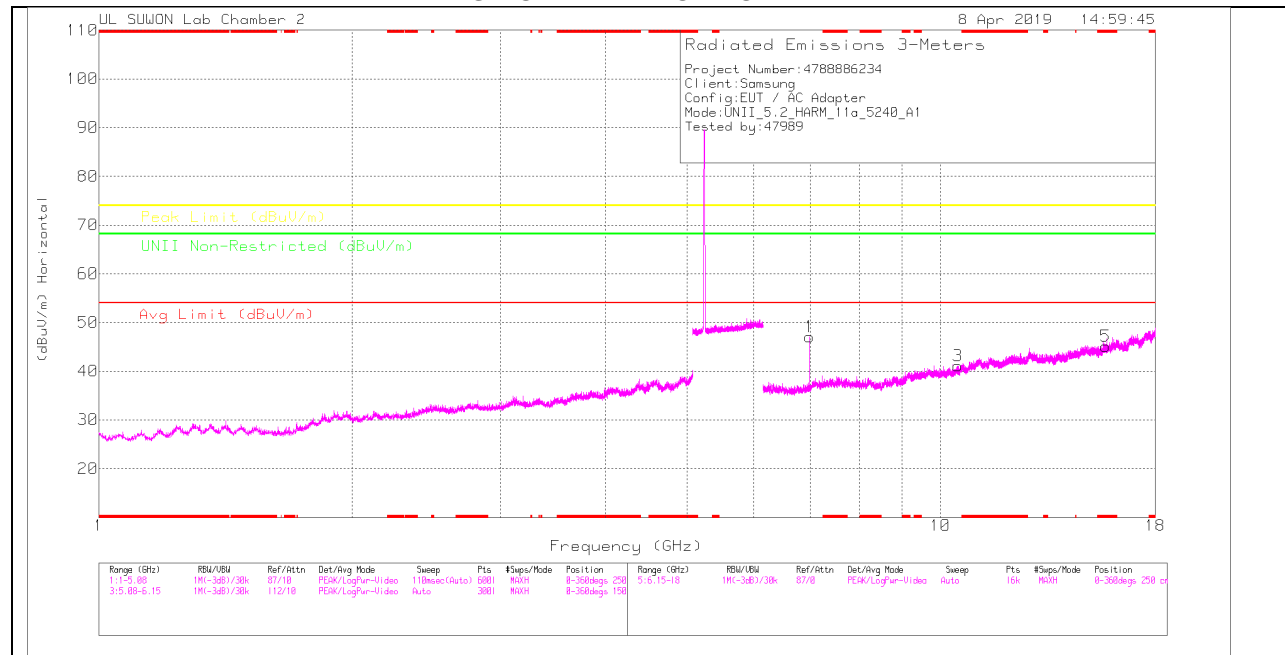
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.933	40.65	PK-U	35.7	-25.3	0	51.05	-	-	-	-	68.2	-17.15	45	117	H
6.933	43.45	PK-U	35.7	-25.3	0	53.85	-	-	-	-	68.2	-14.35	181	119	V

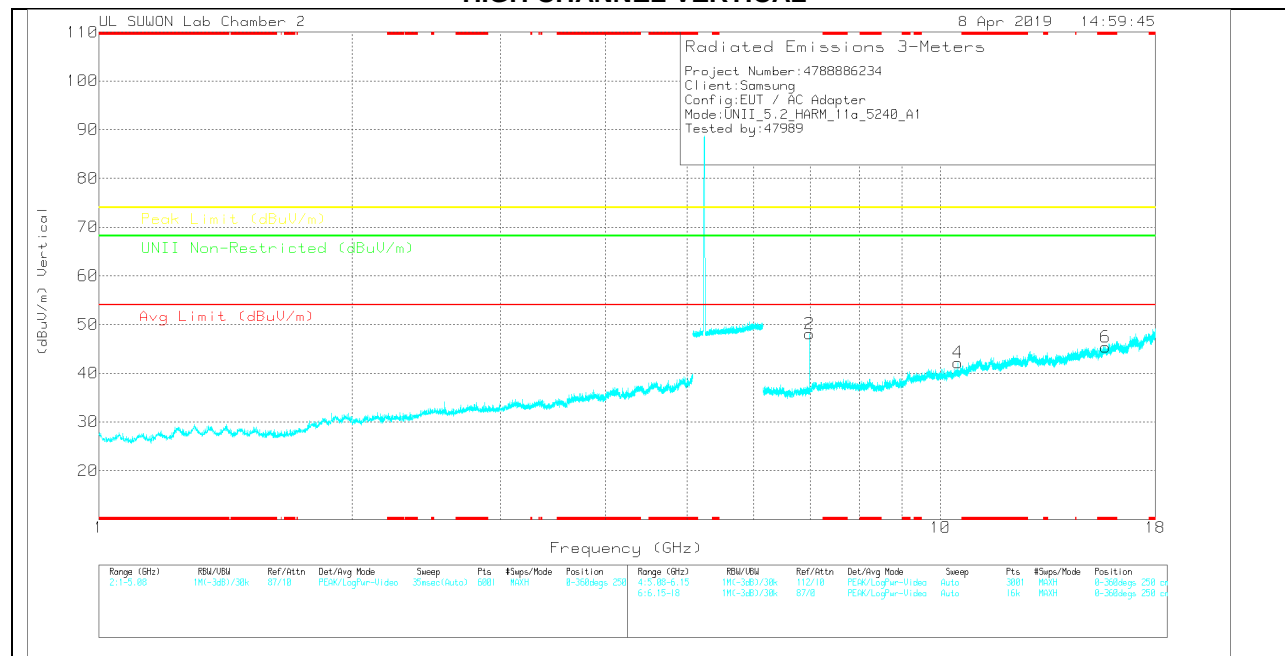
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168734	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.986	37.11	PK	35.8	-25.8	0	47.11	-	-	-	-	68.2	-21.09	0-360	150	H
3	10.484	24.2	PK	37.7	-20.8	0	41.1	-	-	-	-	68.2	-27.1	0-360	150	H
5	* 15.716	24.49	PK	40.2	-19.6	0	45.09	-	-	74	-28.91	-	-	0-360	150	H
2	6.986	38.11	PK	35.8	-25.8	0	48.11	-	-	-	-	68.2	-20.09	0-360	150	V
4	10.481	25.3	PK	37.7	-20.8	0	42.2	-	-	-	-	68.2	-26	0-360	150	V
6	* 15.72	24.68	PK	40.2	-19.5	0	45.38	-	-	74	-28.62	-	-	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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.987	41.28	PK-U	35.8	-25.8	0	51.28	-	-	-	-	68.2	-16.92	110	130	H
6.987	43.31	PK-U	35.8	-25.8	0	53.31	-	-	-	-	68.2	-14.89	179	106	V

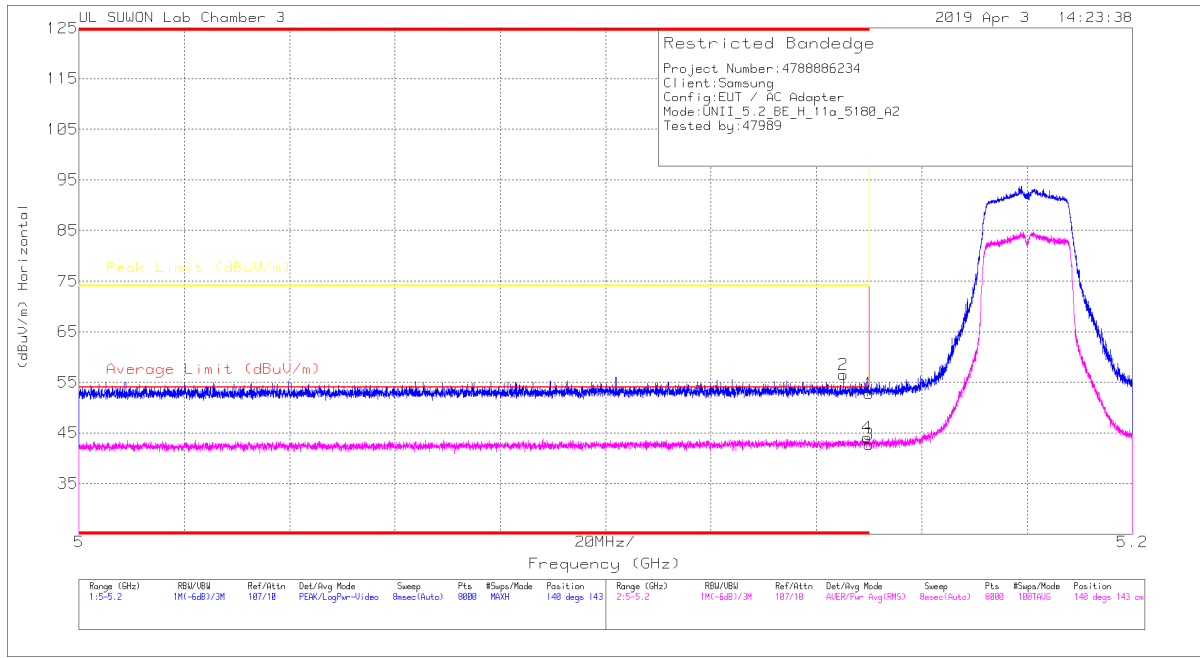
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 DATA



Trace Markers

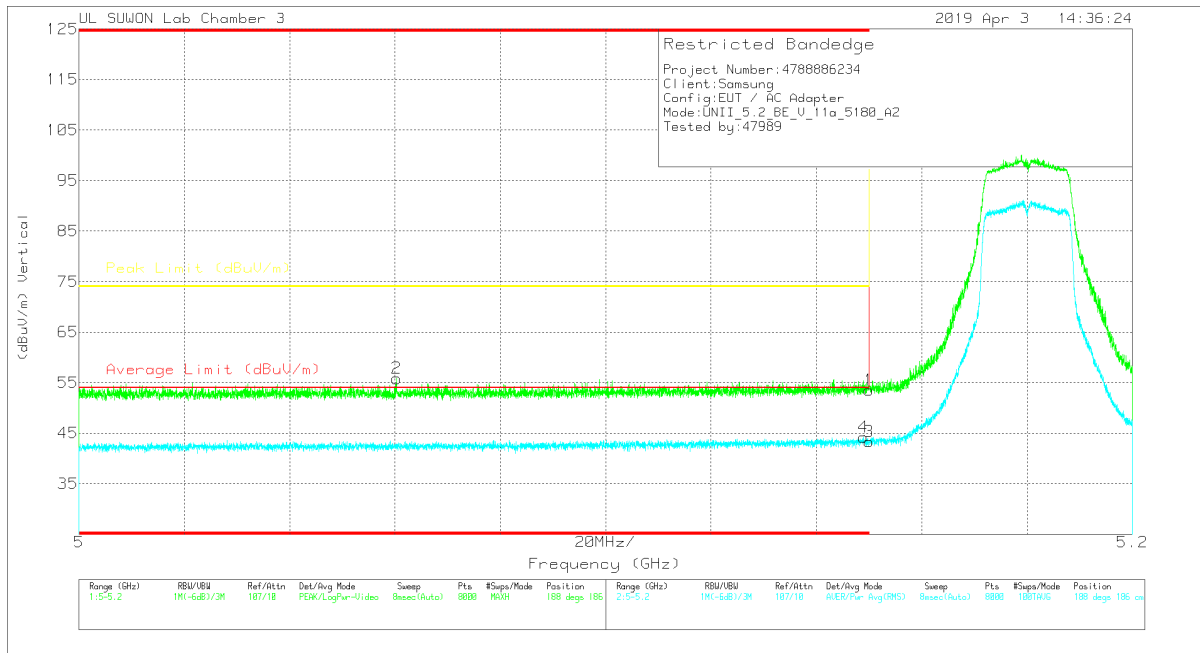
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.35	Pk		34.4	-19	52.75	-	-	74	-21.25	140	143	H
2	* 5.145	41.19	Pk		34.4	-19.1	56.49	-	-	74	-17.51	140	143	H
3	* 5.15	27.7	RMS		34.4	-19.4	42.7	54	-11.3	-	-	140	143	H
4	* 5.15	29.09	RMS		34.4	-19.4	44.09	54	-9.91	-	-	140	143	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_00205959	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	38.13	Pk	34.4	-19	0	53.53	-	-	74	-20.47	188	186	V
2	* 5.06	40.62	Pk	34.3	-19.1	0	55.82	-	-	74	-18.18	188	186	V
3	* 5.15	28.35	RMS	34.4	-19.4	0	43.35	54	-10.65	-	-	188	186	V
4	* 5.149	29.19	RMS	34.4	-19.4	0	44.19	54	-9.81	-	-	188	186	V

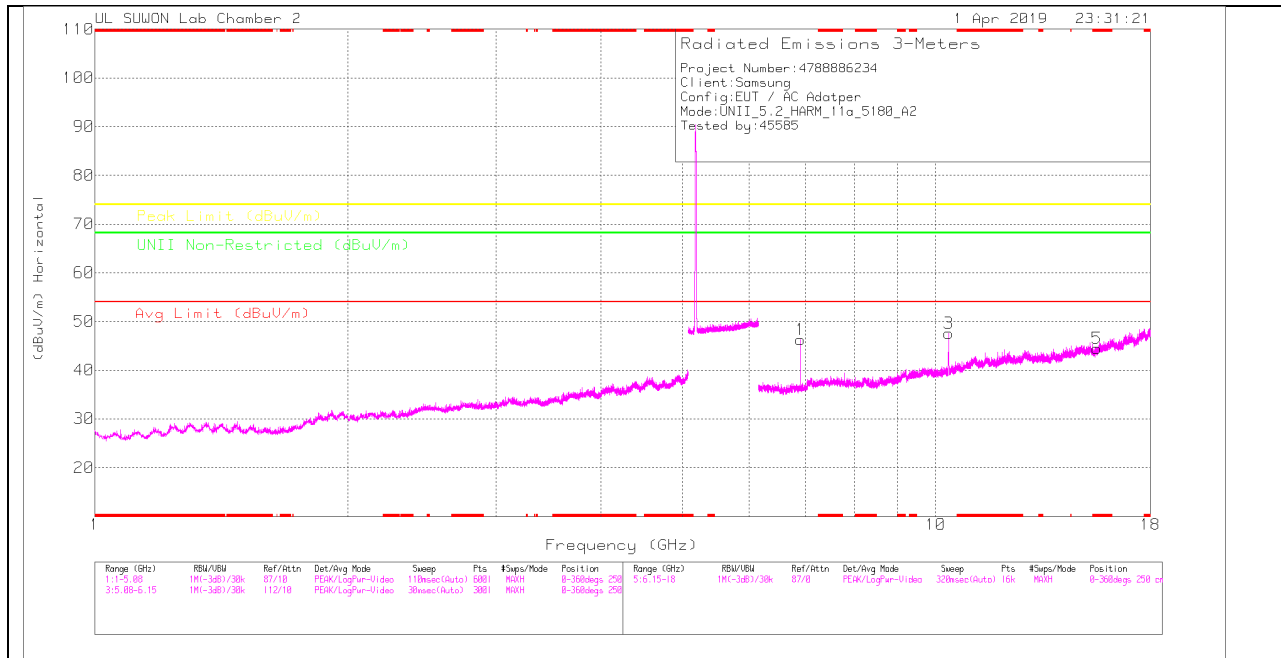
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

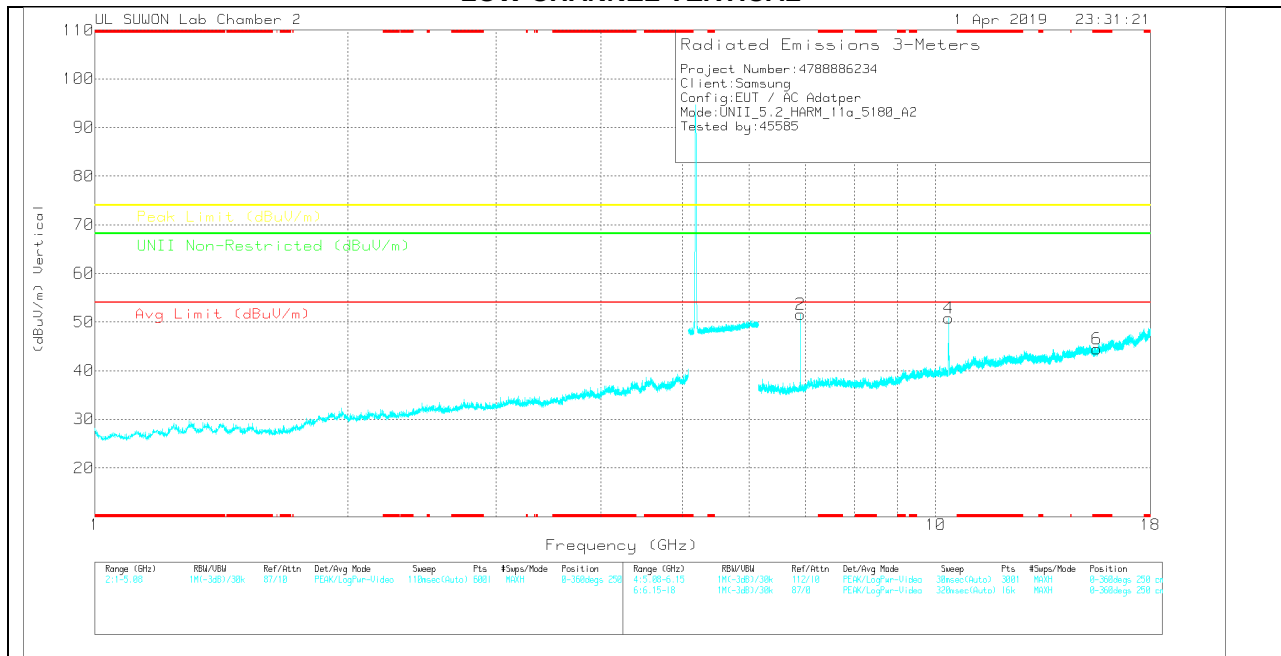
RMS - RMS detection

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.906	35.76	PK	35.7	-25.2	0	46.26	-	-	-	-	68.2	-21.94	0-360	150	H
3	10.36	31.08	PK	37.5	-21	0	47.58	-	-	-	-	68.2	-20.62	0-360	150	H
5	* 15.541	24.29	PK	39.9	-19.7	0	44.49	-	-	74	-29.51	-	-	0-360	250	H
2	6.906	41.11	PK	35.7	-25.2	0	51.61	-	-	-	-	68.2	-16.59	0-360	150	V
4	10.359	34.29	PK	37.5	-21	0	50.79	-	-	-	-	68.2	-17.41	0-360	250	V
6	* 15.538	24.26	PK	39.9	-19.7	0	44.46	-	-	74	-29.54	-	-	0-360	250	V

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

PK – Peak Detector

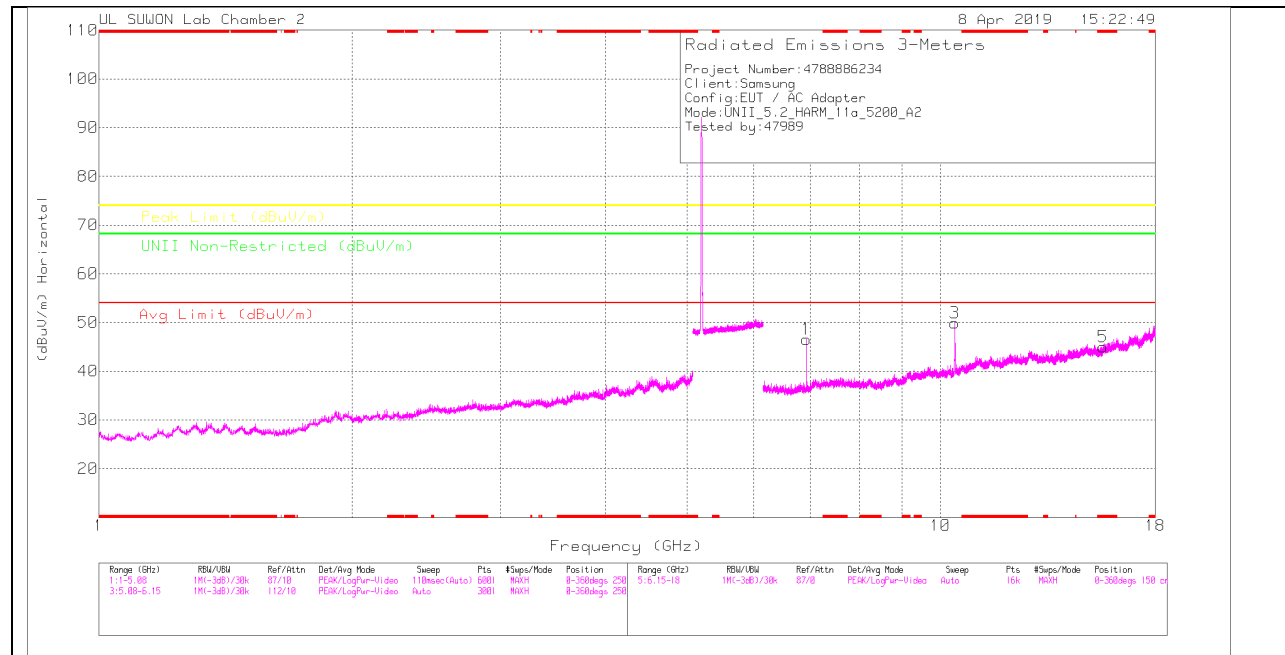
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.907	40.89	PK-U	35.7	-25.2	0	51.39	-	-	-	-	68.2	-16.81	173	144	H
6.907	44.27	PK-U	35.7	-25.2	0	54.77	-	-	-	-	68.2	-13.43	198	140	V
10.36	43.19	PK-U	37.5	-21	0	59.69	-	-	-	-	68.2	-8.51	221	222	H
10.36	43.37	PK-U	37.5	-21	0	59.87	-	-	-	-	68.2	-8.33	159	184	V

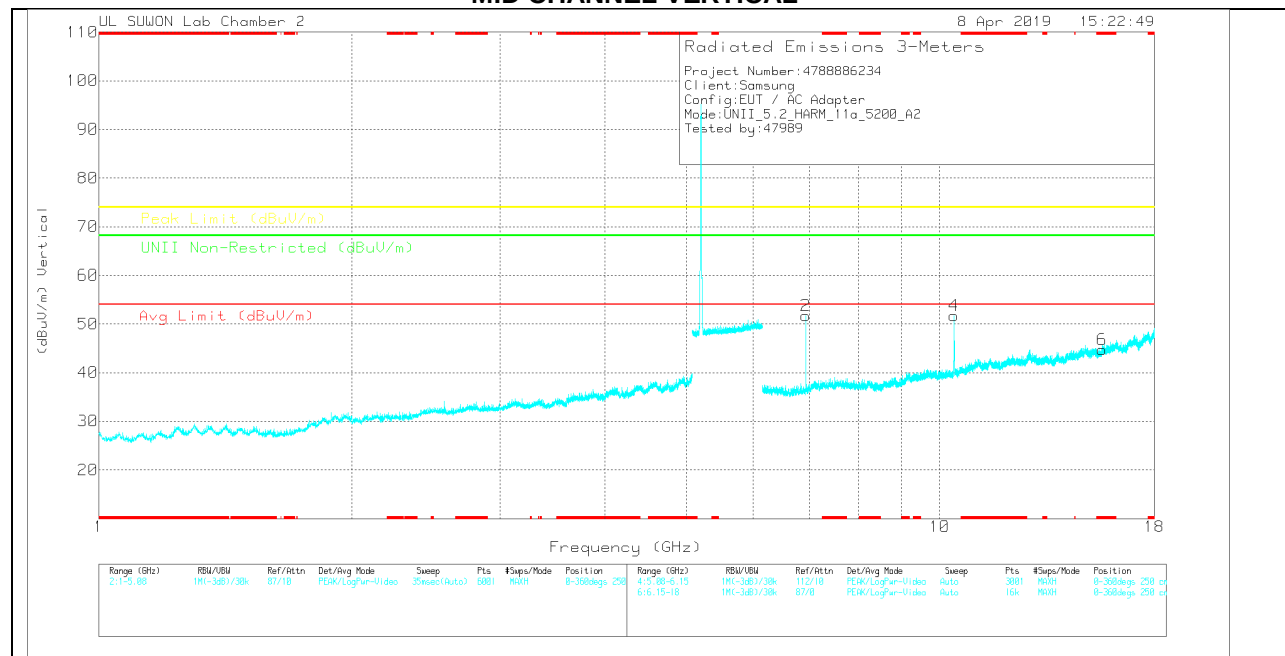
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.933	36.2	PK	35.7	-25.3	0	46.6	-	-	-	-	68.2	-21.6	0-360	150	H
3	10.4	33.29	PK	37.6	-21	0	49.89	-	-	-	-	68.2	-18.31	0-360	150	H
5	* 15.594	24.74	PK	40	-19.8	0	44.94	-	-	74	-29.06	-	-	0-360	250	H
2	6.933	41.26	PK	35.7	-25.3	0	51.66	-	-	-	-	68.2	-16.54	0-360	150	V
4	10.4	35.16	PK	37.6	-21	0	51.76	-	-	-	-	68.2	-16.44	0-360	250	V
6	* 15.594	24.58	PK	40	-19.8	0	44.78	-	-	74	-29.22	-	-	0-360	250	V

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

PK – Peak Detector

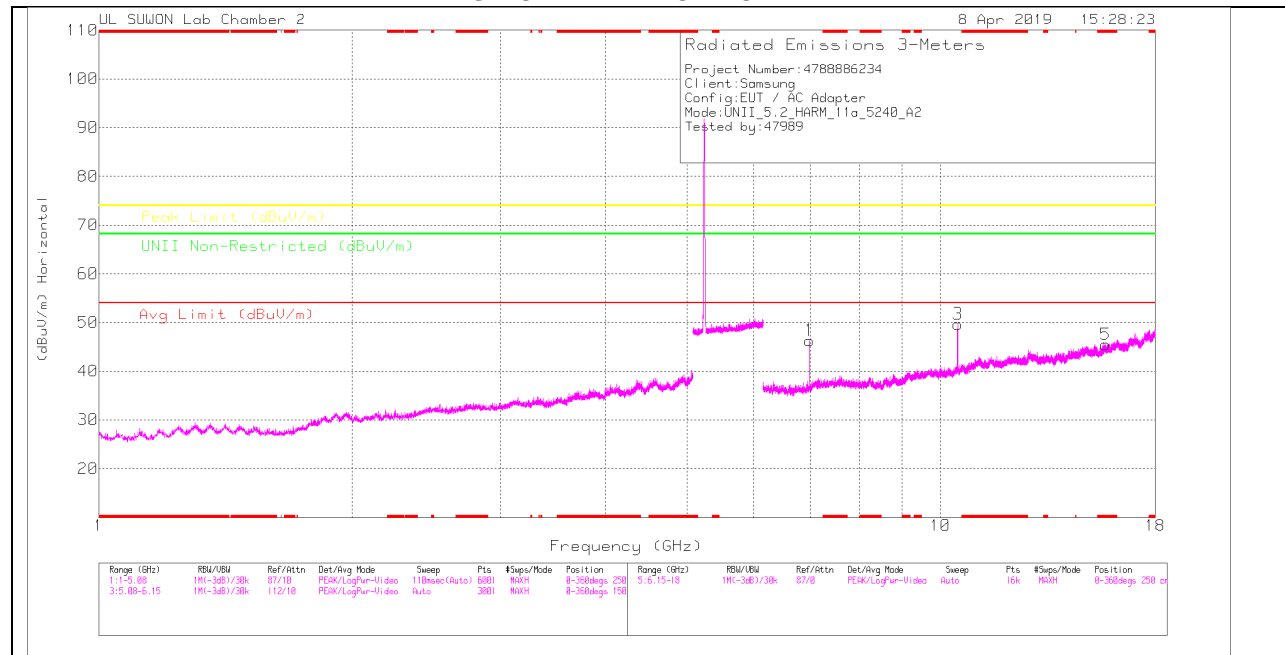
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.933	41.45	PK-U	35.7	-25.3	0	51.85	-	-	-	-	68.2	-16.35	172	136	H
6.933	44.55	PK-U	35.7	-25.3	0	54.95	-	-	-	-	68.2	-13.25	178	130	V
10.4	43.01	PK-U	37.6	-21	0	59.61	-	-	-	-	68.2	-8.59	173	162	H
10.399	42.48	PK-U	37.6	-20.9	0	59.18	-	-	-	-	68.2	-9.02	157	179	V

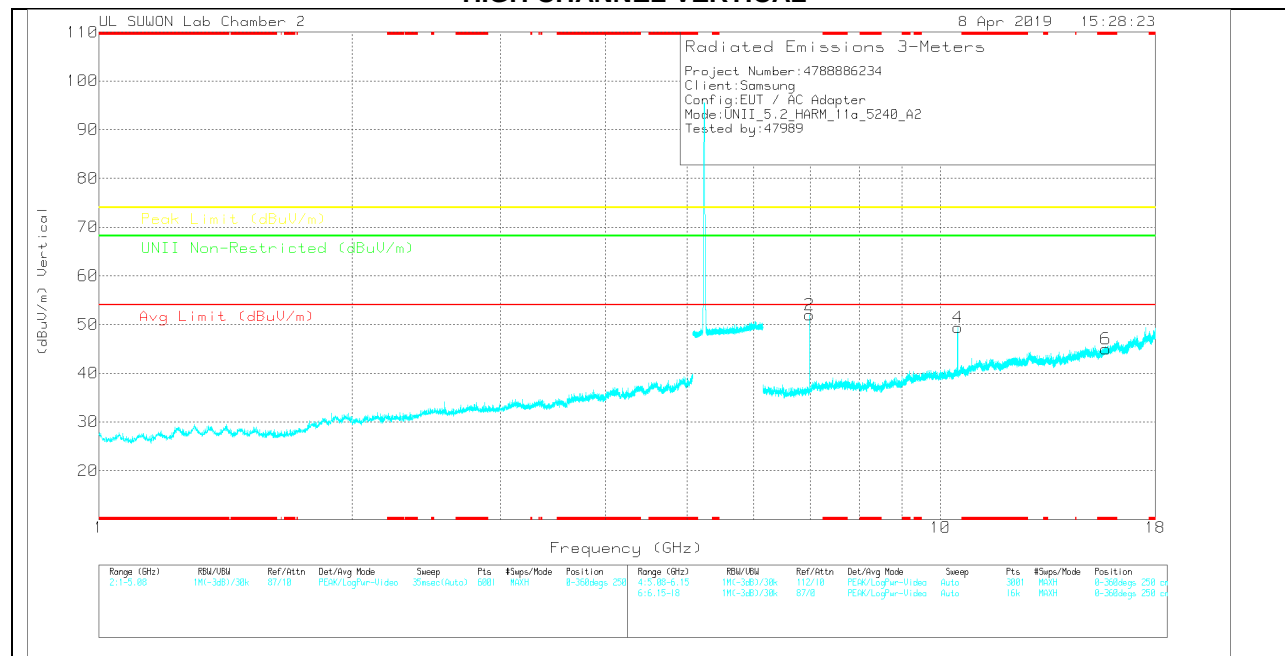
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168734	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.986	36.34	PK	35.8	-25.8	0	46.34	-	-	-	-	68.2	-21.86	0-360	150	H
3	10.479	32.8	PK	37.7	-20.8	0	49.7	-	-	-	-	68.2	-18.5	0-360	150	H
5	* 15.715	24.91	PK	40.2	-19.6	0	45.51	-	-	74	-28.49	-	-	0-360	250	H
2	6.986	41.91	PK	35.8	-25.8	0	51.91	-	-	-	-	68.2	-16.29	0-360	150	V
4	10.48	32.54	PK	37.7	-20.8	0	49.44	-	-	-	-	68.2	-18.76	0-360	250	V
6	* 15.723	24.45	PK	40.2	-19.7	0	44.95	-	-	74	-29.05	-	-	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

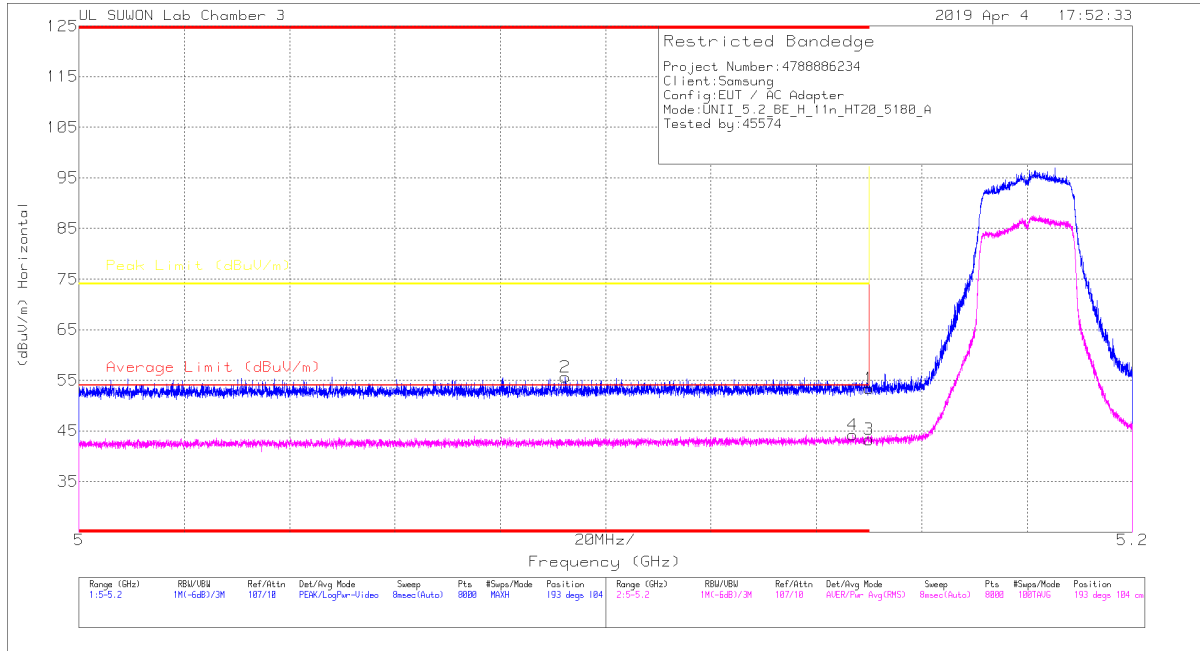
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.987	41.58	PK-U	35.8	-25.8	0	51.58	-	-	-	-	68.2	-16.62	170	139	H
6.987	44.82	PK-U	35.8	-25.8	0	54.82	-	-	-	-	68.2	-13.38	178	138	V
10.48	45.37	PK-U	37.7	-20.8	0	62.27	-	-	-	-	68.2	-5.93	174	158	H
10.476	41.73	PK-U	37.7	-20.7	0	58.73	-	-	-	-	68.2	-9.47	157	187	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 DATA



Trace Markers

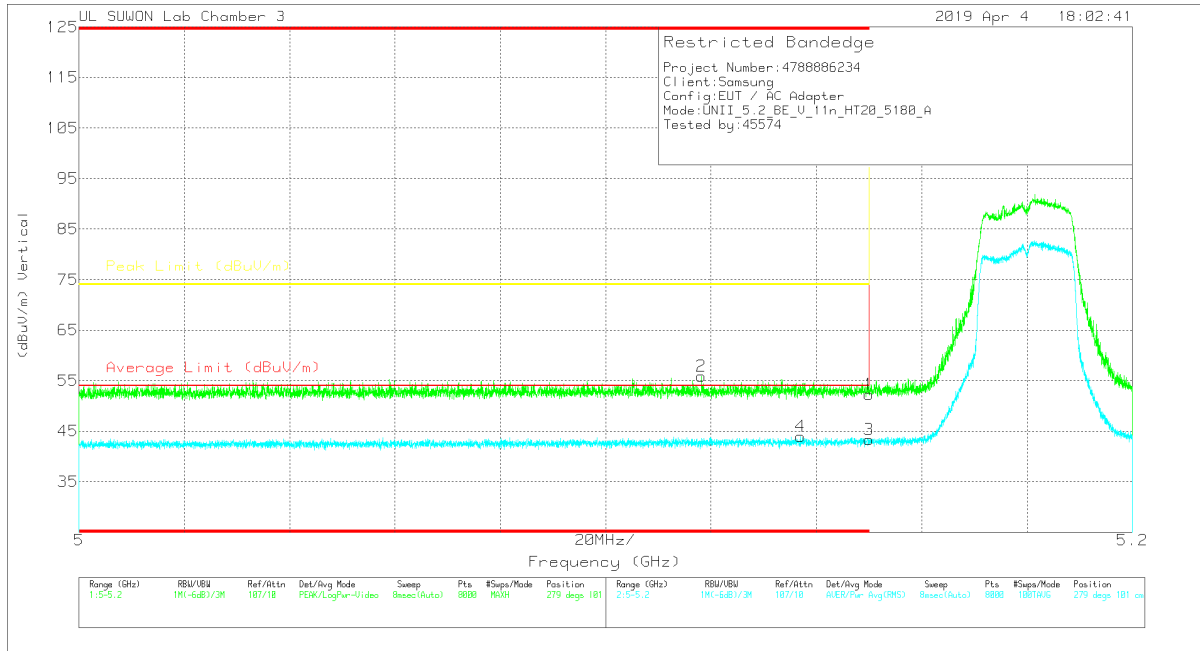
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.97	Pk	34.4	-19	0	53.37	-	-	74	-20.63	193	104	H
2	* 5.092	40.45	Pk	34.3	-19.1	0	55.65	-	-	74	-18.35	193	104	H
3	* 5.15	28.28	RMS	34.4	-19.4	0	43.28	54	-10.72	-	-	193	104	H
4	* 5.147	29.24	RMS	34.4	-19.4	0	44.24	54	-9.76	-	-	193	104	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_00205959	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	36.84	PK		-19	0	52.24	-	-	74	-21.76	279	101	V
2	* 5.118	40.57	PK		-19.1	0	55.87	-	-	74	-18.13	279	101	V
3	* 5.15	28.36	RMS		-19.4	0	43.36	54	-10.64	-	-	279	101	V
4	* 5.137	28.93	RMS		-19.4	0	43.93	54	-10.07	-	-	279	101	V

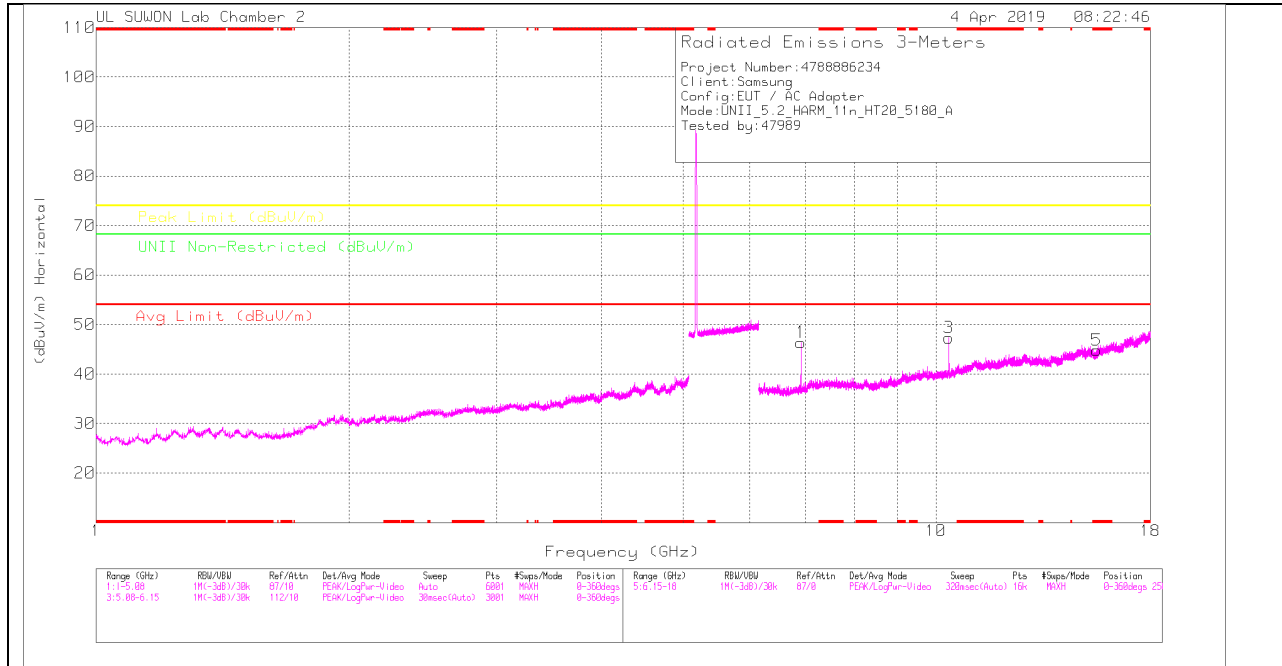
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

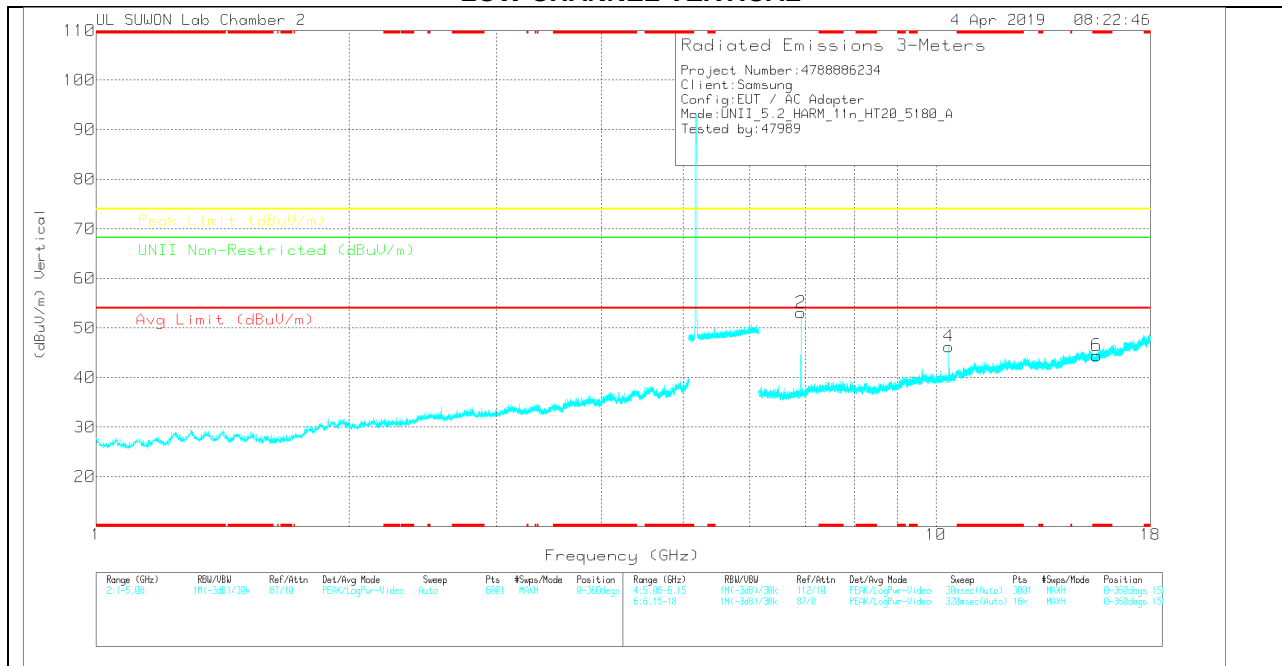
RMS - RMS detection

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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.906	35.88	PK	35.7	-25.2	0	46.38	-	-	-	-	68.2	-21.82	0-360	150	H
3	10.359	30.82	PK	37.5	-21	0	47.32	-	-	-	-	68.2	-20.88	0-360	150	H
5	* 15.535	24.58	PK	39.9	-19.7	0	44.78	-	-	74	-29.22	-	-	0-360	150	H
2	6.906	42.6	PK	35.7	-25.2	0	53.1	-	-	-	-	68.2	-15.1	0-360	150	V
4	10.36	29.77	PK	37.5	-21	0	46.27	-	-	-	-	68.2	-21.93	0-360	250	V
6	* 15.533	24.17	PK	39.9	-19.6	0	44.47	-	-	74	-29.53	-	-	0-360	250	V

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

PK – Peak Detector

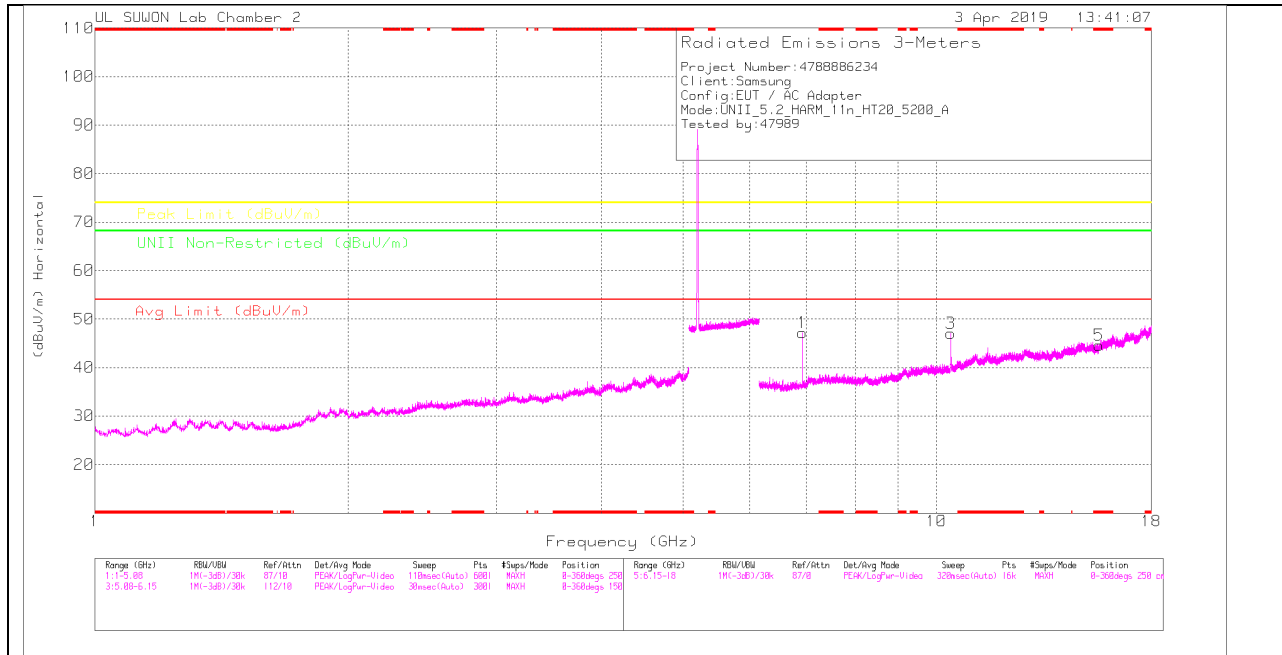
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.907	42.15	PK-U	35.7	-25.2	0	52.65	-	-	-	-	68.2	-15.55	208	104	H
6.907	45.48	PK-U	35.7	-25.2	0	55.98	-	-	-	-	68.2	-12.22	176	133	V
10.36	40.16	PK-U	37.5	-21	0	56.66	-	-	-	-	68.2	-11.54	169	160	H
10.36	39.12	PK-U	37.5	-21	0	55.62	-	-	-	-	68.2	-12.58	162	169	V

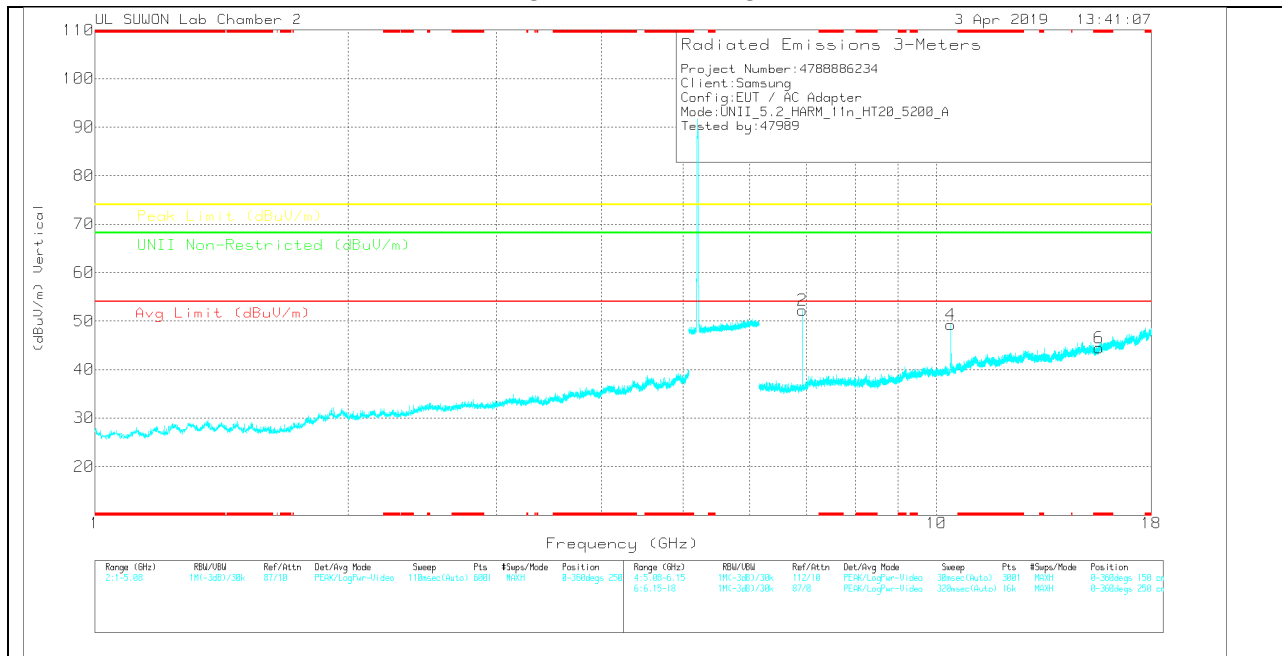
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	6GHz_HF(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	6.933	36.83	PK	35.7	-25.3	0	47.23	-	-	-	-	68.2	-20.97	0-360	150	H
3	10.399	30.33	PK	37.6	-20.9	0	47.03	-	-	-	-	68.2	-21.17	0-360	150	H
5	* 15.601	24.37	PK	40	-19.8	0	44.57	-	-	74	-29.43	-	-	0-360	250	H
2	6.933	41.81	PK	35.7	-25.3	0	52.21	-	-	-	-	68.2	-15.99	0-360	250	V
4	10.4	32.63	PK	37.6	-21	0	49.23	-	-	-	-	68.2	-18.97	0-360	250	V
6	* 15.601	24.21	PK	40	-19.8	0	44.41	-	-	74	-29.59	-	-	0-360	250	V

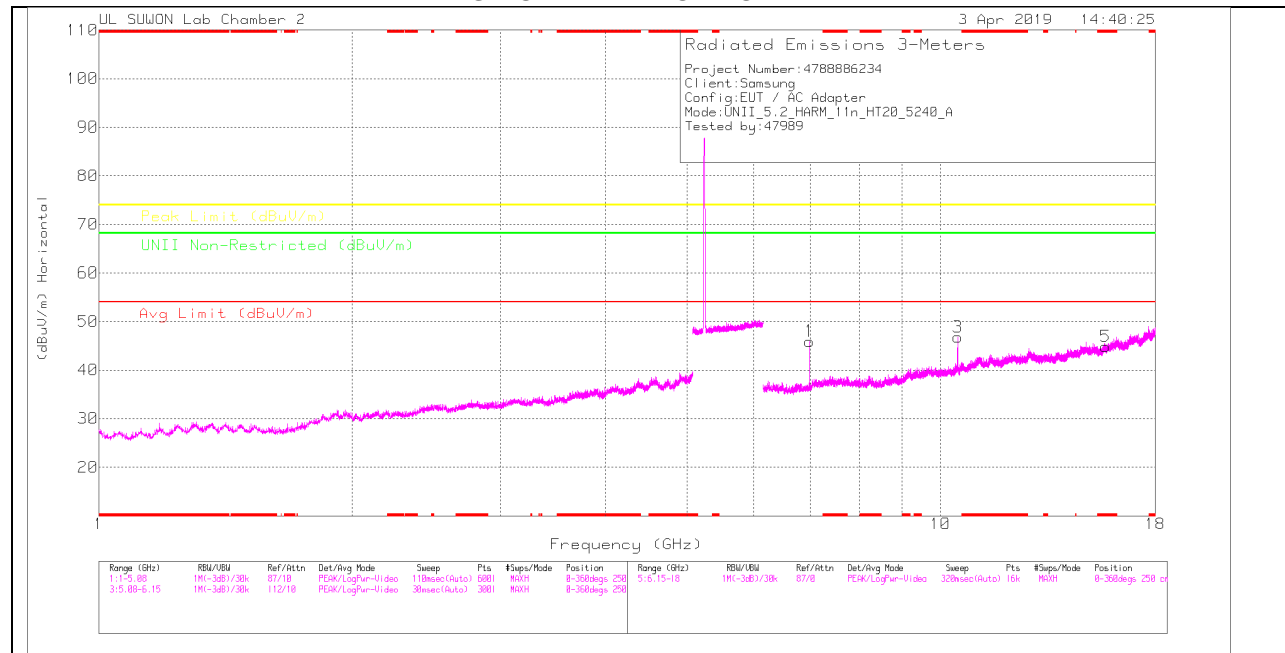
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

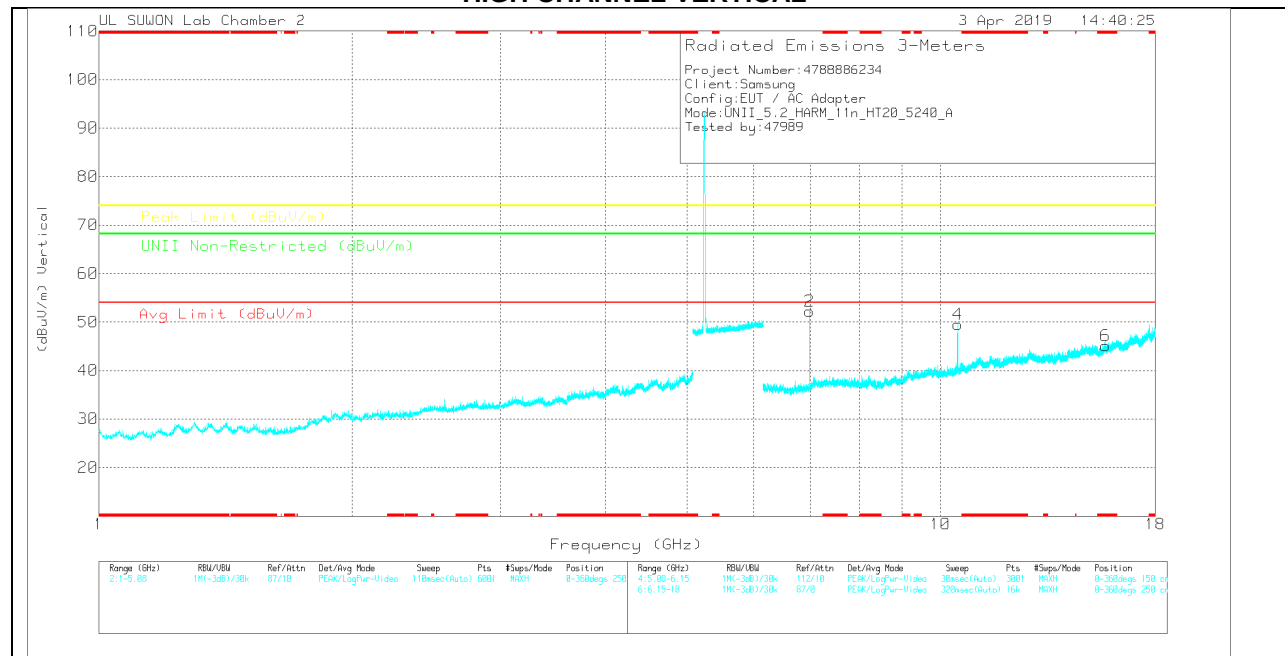
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.933	43.11	PK-U	35.7	-25.3	0	53.51	-	-	-	-	68.2	-14.69	202	105	H
6.933	44.16	PK-U	35.7	-25.3	0	54.56	-	-	-	-	68.2	-13.64	184	138	V
10.4	41.65	PK-U	37.6	-21	0	58.25	-	-	-	-	68.2	-9.95	147	183	V
10.4	40.61	PK-U	37.6	-21	0	57.21	-	-	-	-	68.2	-10.99	170	157	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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.986	35.95	PK	35.8	-25.8	0	45.95	-	-	-	-	68.2	-22.25	0-360	150	H
3	10.479	29.88	PK	37.7	-20.8	0	46.78	-	-	-	-	68.2	-21.42	0-360	150	H
5	* 15.714	24.26	PK	40.2	-19.6	0	44.86	-	-	74	-29.14	-	-	0-360	150	H
2	6.986	42.25	PK	35.8	-25.8	0	52.25	-	-	-	-	68.2	-15.95	0-360	150	V
4	10.479	32.62	PK	37.7	-20.8	0	49.52	-	-	-	-	68.2	-18.68	0-360	250	V
6	* 15.715	24.46	PK	40.2	-19.6	0	45.06	-	-	74	-28.94	-	-	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

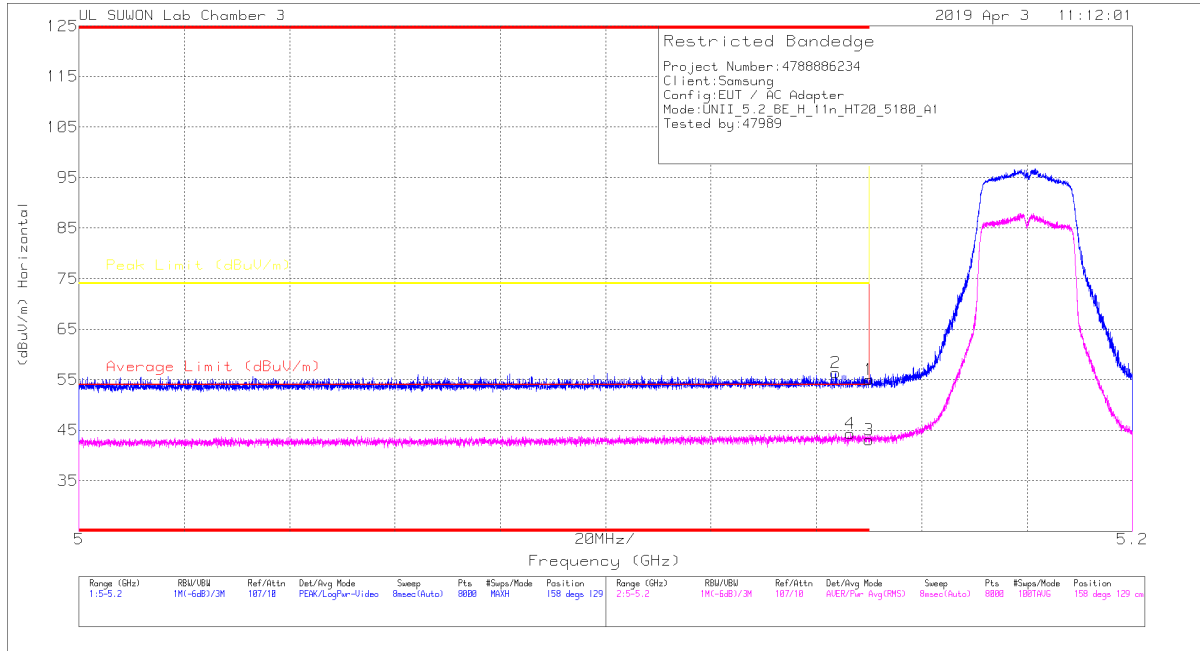
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.986	42.73	PK-U	35.8	-25.8	0	52.73	-	-	-	-	68.2	-15.47	210	100	H
6.987	44.85	PK-U	35.8	-25.8	0	54.85	-	-	-	-	68.2	-13.35	199	147	V
10.48	41.57	PK-U	37.7	-20.8	0	58.47	-	-	-	-	68.2	-9.73	149	175	V
10.48	41.59	PK-U	37.7	-20.8	0	58.49	-	-	-	-	68.2	-9.71	171	182	H

* - 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 DATA



Trace Markers

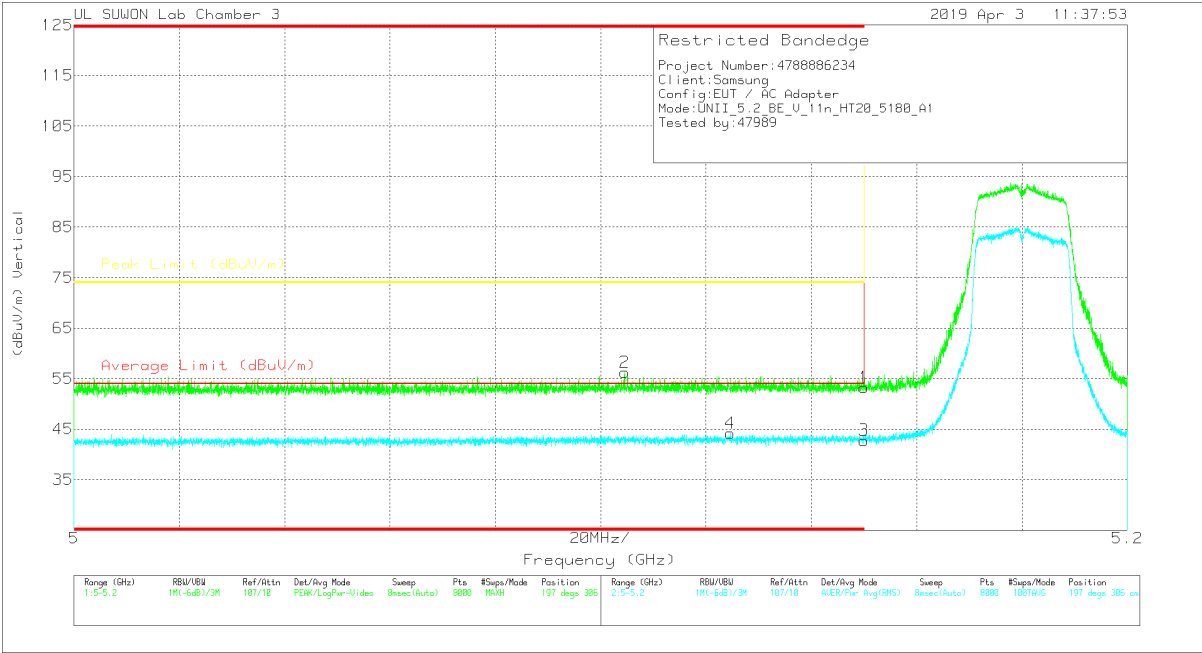
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.56	Pk		34.4	-19	54.96	-	-	74	-19.04	158	129	H
2	* 5.144	41.03	Pk		34.4	-19.1	56.33	-	-	74	-17.67	158	129	H
3	* 5.15	28.09	RMS		34.4	-19.4	43.09	54	-10.91	-	-	158	129	H
4	* 5.146	29.32	RMS		34.4	-19.4	44.32	54	-9.68	-	-	158	129	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



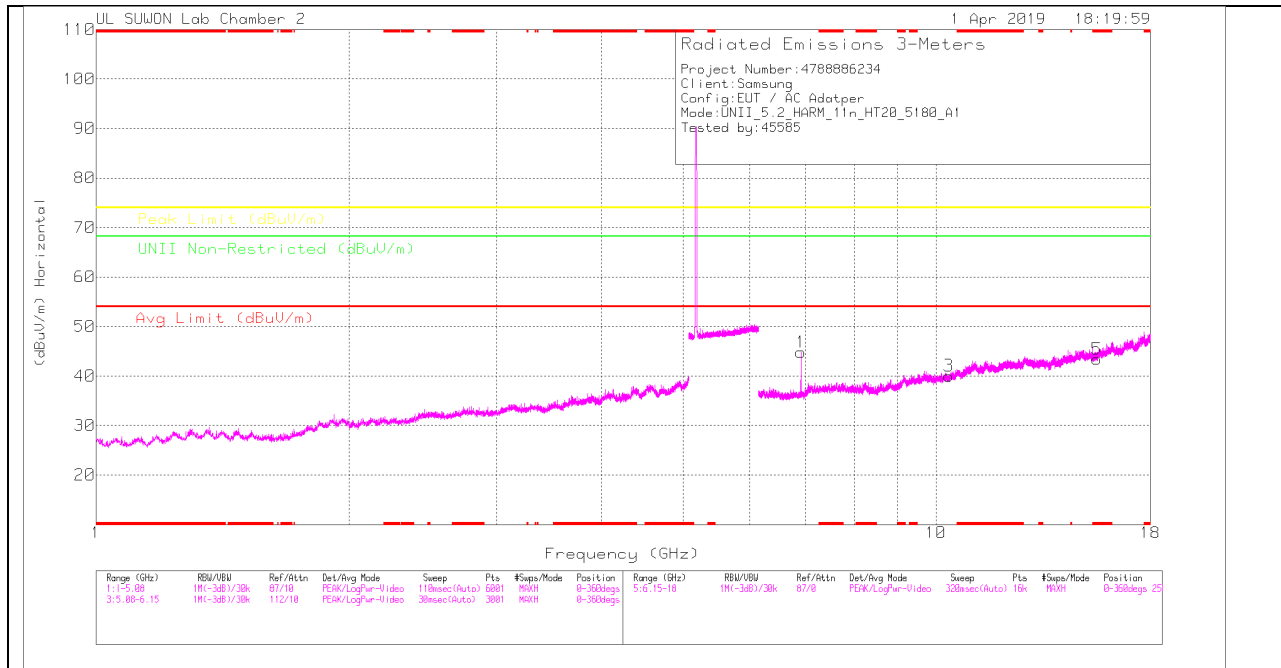
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	37.89	Pk		34.4	-19	53.29	-	-	74	-20.71	197	306	V
2	* 5.105	40.9	Pk		34.4	-19.1	56.2	-	-	74	-17.8	197	306	V
3	* 5.15	27.78	RMS		34.4	-19.4	42.78	54	-11.22	-	-	197	306	V
4	* 5.125	29.31	RMS		34.4	-19.5	44.21	54	-9.79	-	-	197	306	V

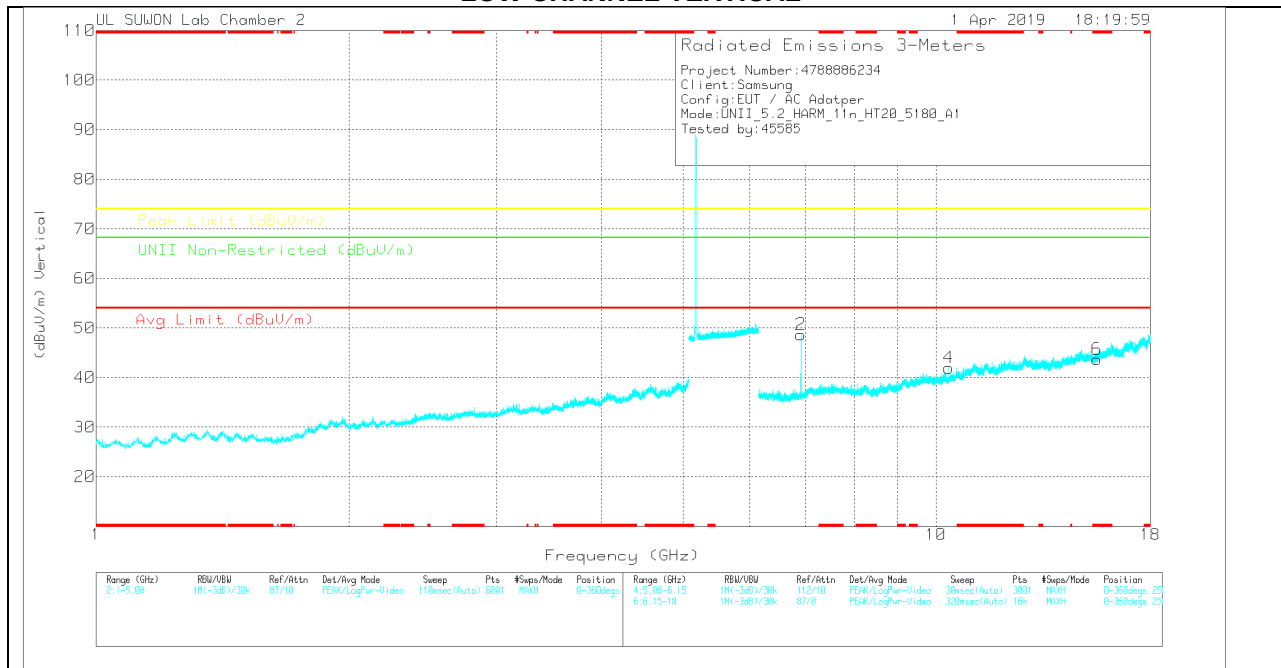
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.906	34.28	PK	35.7	-25.2	0	44.78	-	-	-	-	68.2	-23.42	0-360	150	H
3	10.359	23.52	PK	37.5	-21	0	40.02	-	-	-	-	68.2	-28.18	0-360	150	H
5	* 15.54	23.3	PK	39.9	-19.8	0	43.4	-	-	74	-30.6	-	-	0-360	250	H
2	6.906	38.17	PK	35.7	-25.2	0	48.67	-	-	-	-	68.2	-19.53	0-360	150	V
4	10.359	25.47	PK	37.5	-21	0	41.97	-	-	-	-	68.2	-26.23	0-360	150	V
6	* 15.54	23.6	PK	39.9	-19.8	0	43.7	-	-	74	-30.3	-	-	0-360	150	V

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

PK – Peak Detector

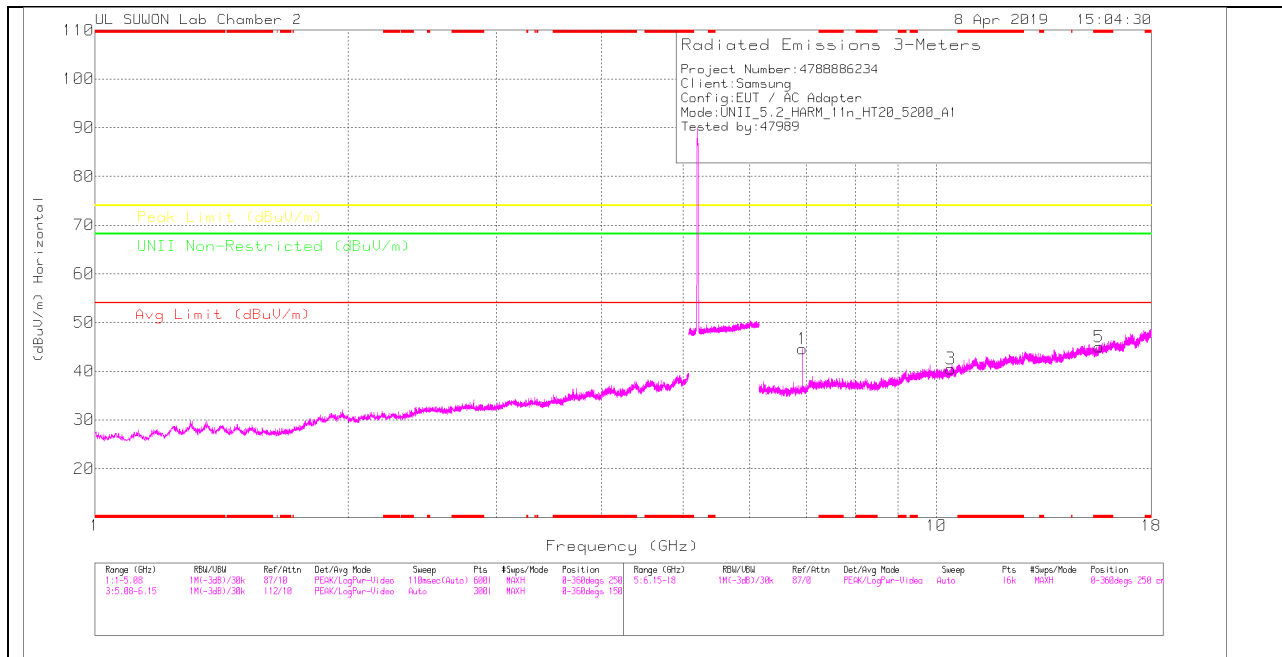
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.907	40.86	PK-U	35.7	-25.2	0	51.36	-	-	-	-	68.2	-16.84	45	123	H
6.907	42.37	PK-U	35.7	-25.2	0	52.87	-	-	-	-	68.2	-15.33	173	108	V

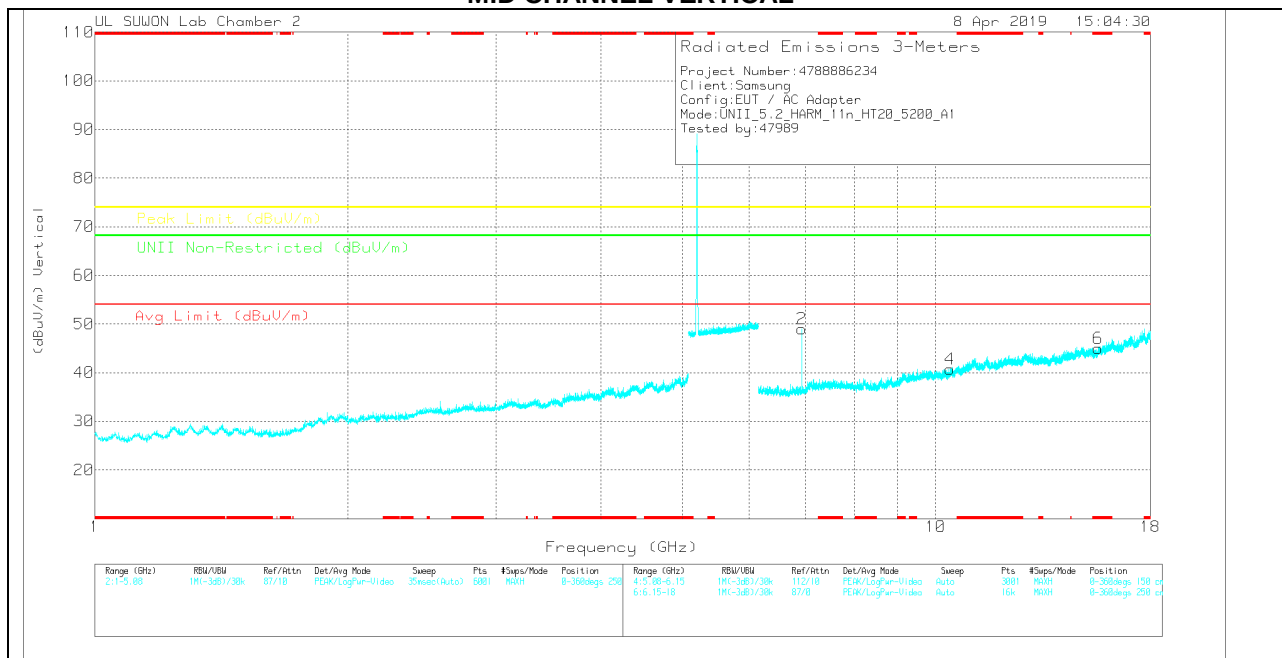
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	6GHz_HF(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)	Altitude (Degs)	Height (cm)	Polarity
1	6.934	34.22	PK	35.7	-25.3	0	44.62	-	-	-	-	68.2	-23.58	0-360	250	H
3	10.403	23.92	PK	37.6	-21	0	40.52	-	-	-	-	68.2	-27.68	0-360	250	H
5	* 15.598	24.75	PK	40	-19.8	0	44.95	-	-	74	-29.05	-	-	0-360	250	H
2	6.933	38.58	PK	35.7	-25.3	0	48.98	-	-	-	-	68.2	-19.22	0-360	150	V
4	10.405	24.06	PK	37.6	-20.9	0	40.76	-	-	-	-	68.2	-27.44	0-360	150	V
6	* 15.602	24.79	PK	40	-19.8	0	44.99	-	-	74	-29.01	-	-	0-360	250	V

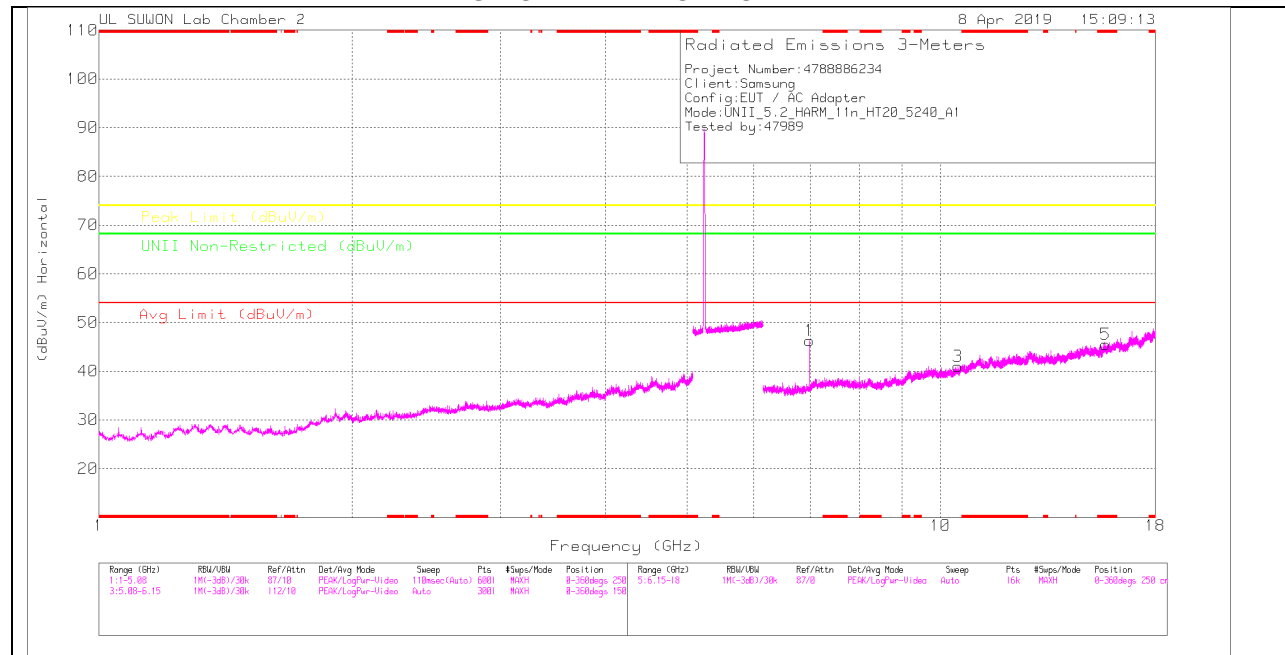
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

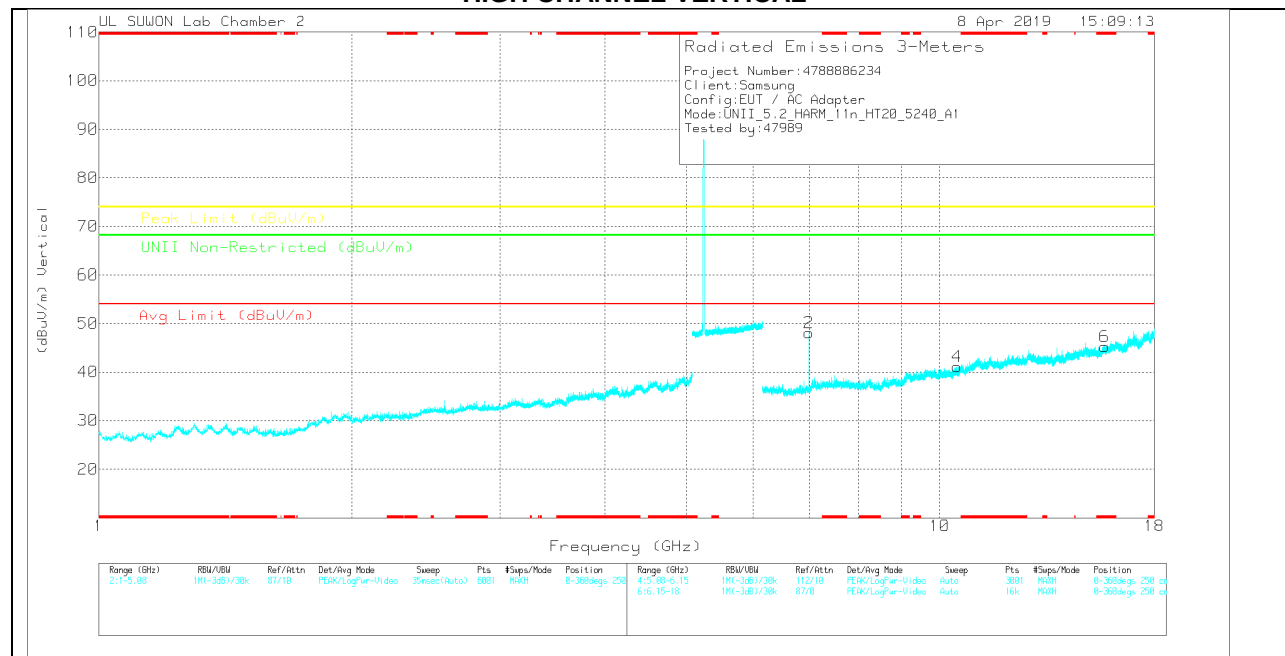
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
6.933	41.43	PK-U	35.7	-25.3	0	51.83	-	-	-	-	68.2	-16.37	47	118	H
6.933	43.65	PK-U	35.7	-25.3	0	54.05	-	-	-	-	68.2	-14.15	171	108	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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.986	36.24	PK	35.8	-25.8	0	46.24	-	-	-	-	68.2	-21.96	0-360	150	H
3	10.482	24.14	PK	37.7	-20.9	0	40.94	-	-	-	-	68.2	-27.26	0-360	250	H
5	* 15.72	24.86	PK	40.2	-19.5	0	45.56	-	-	74	-28.44	-	-	0-360	150	H
2	6.986	38.1	PK	35.8	-25.8	0	48.1	-	-	-	-	68.2	-20.1	0-360	150	V
4	10.48	24.26	PK	37.7	-20.8	0	41.16	-	-	-	-	68.2	-27.04	0-360	150	V
6	* 15.721	24.7	PK	40.2	-19.6	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

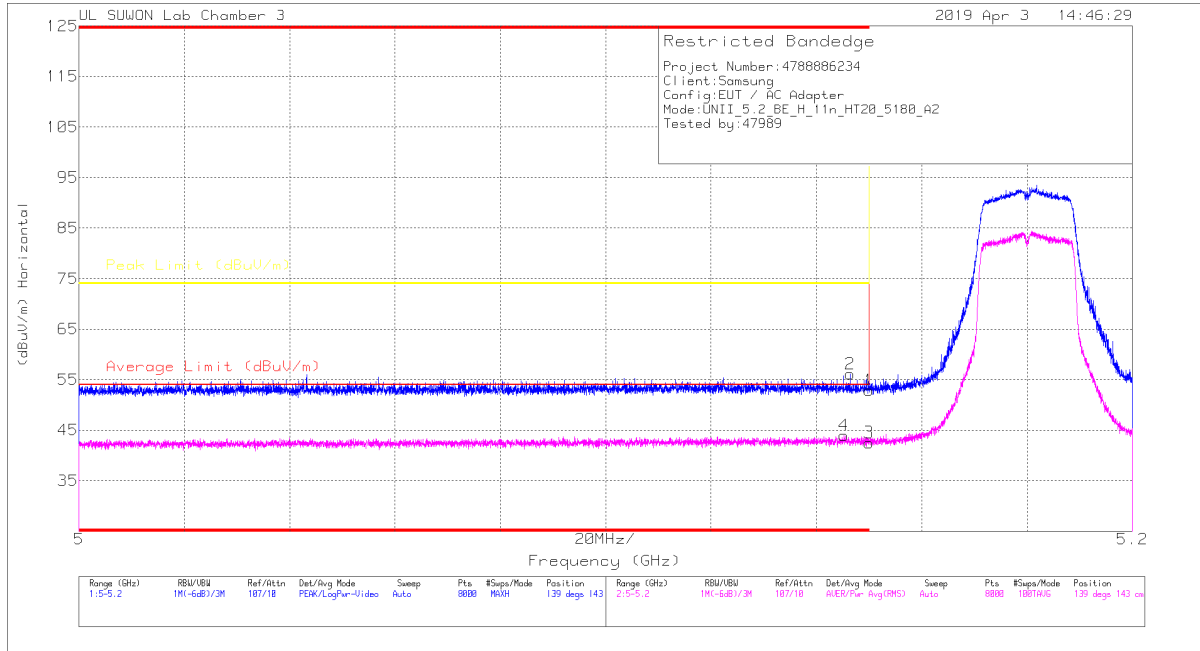
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.987	41.17	PK-U	35.8	-25.8	0	51.17	-	-	-	-	68.2	-17.03	109	100	H
6.987	43.24	PK-U	35.8	-25.8	0	53.24	-	-	-	-	68.2	-14.96	178	105	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 DATA



Trace Markers

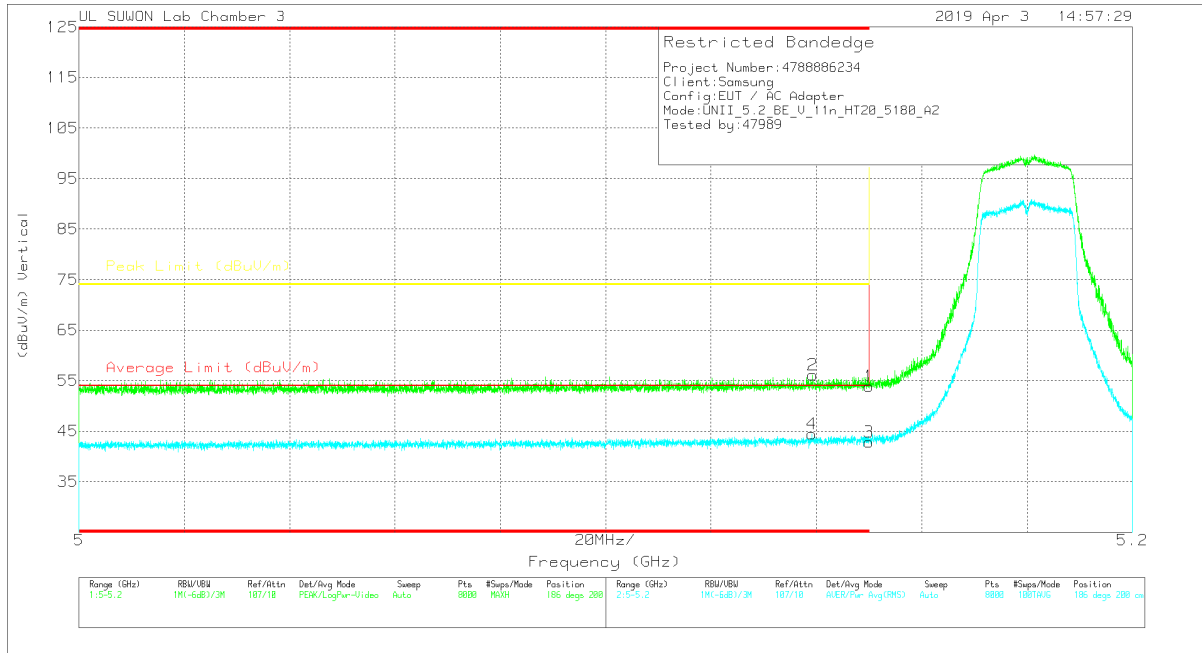
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.55	Pk	34.4	-19	0	52.95	-	-	74	-21.05	139	143	H
2	* 5.146	40.88	Pk	34.4	-19.1	0	56.18	-	-	74	-17.82	139	143	H
3	* 5.15	27.53	RMS	34.4	-19.4	0	42.53	54	-11.47	-	-	139	143	H
4	* 5.145	28.94	RMS	34.4	-19.4	0	43.94	54	-10.06	-	-	139	143	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_00205959	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	38.54	PK		-19	0	53.94	-	-	74	-20.06	186	200	V
2	* 5.139	40.7	PK		-19	0	56.1	-	-	74	-17.9	186	200	V
3	* 5.15	27.86	RMS		-19.4	0	42.86	54	-11.14	-	-	186	200	V
4	* 5.139	29.45	RMS		-19.4	0	44.45	54	-9.55	-	-	186	200	V

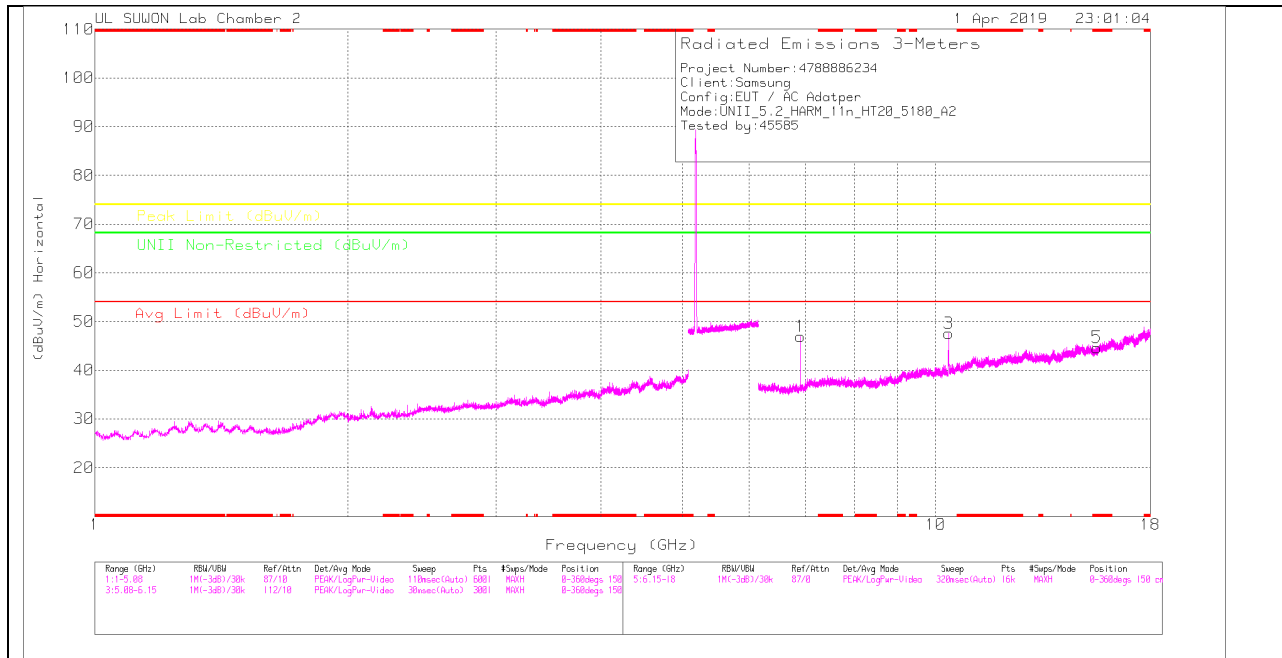
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

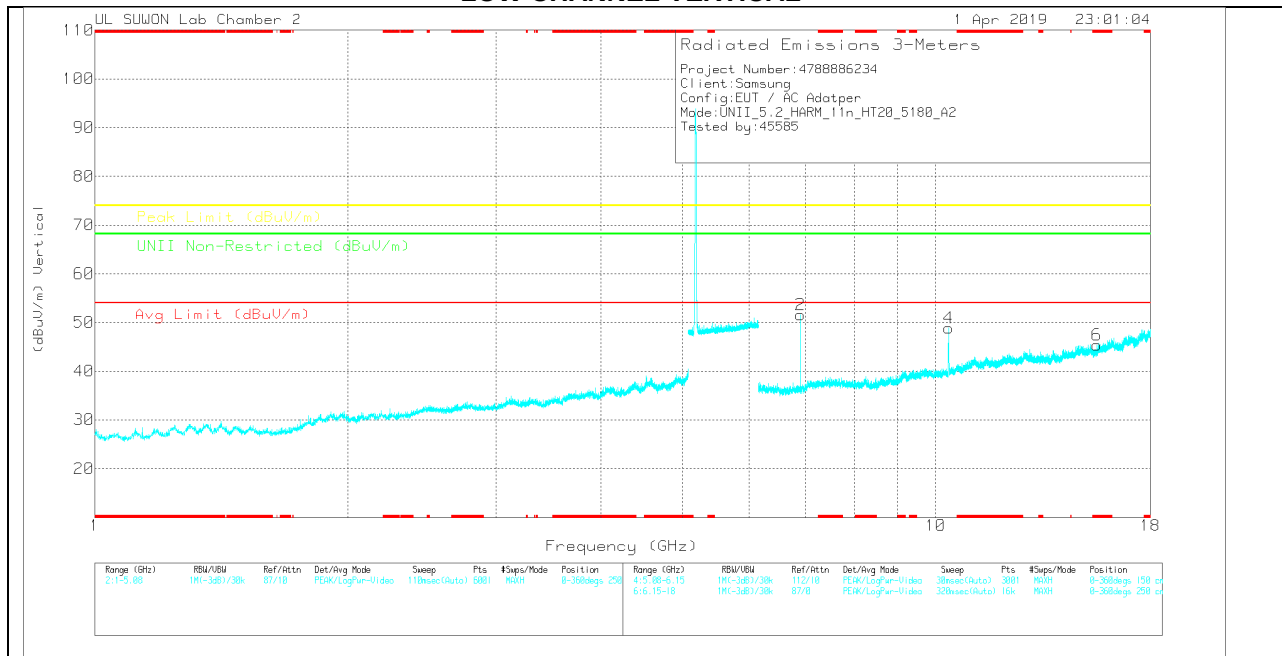
RMS - RMS detection

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.906	36.44	PK	35.7	-25.2	0	46.94	-	-	-	-	68.2	-21.26	0-360	150	H
3	10.359	31.11	PK	37.5	-21	0	47.61	-	-	-	-	68.2	-20.59	0-360	150	H
5	* 15.546	24.46	PK	39.9	-19.7	0	44.66	-	-	74	-29.34	-	-	0-360	250	H
2	6.906	41.1	PK	35.7	-25.2	0	51.6	-	-	-	-	68.2	-16.6	0-360	150	V
4	10.359	32.31	PK	37.5	-21	0	48.81	-	-	-	-	68.2	-19.39	0-360	150	V
6	* 15.544	25.2	PK	39.9	-19.7	0	45.4	-	-	74	-28.6	-	-	0-360	250	V

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

PK – Peak Detector

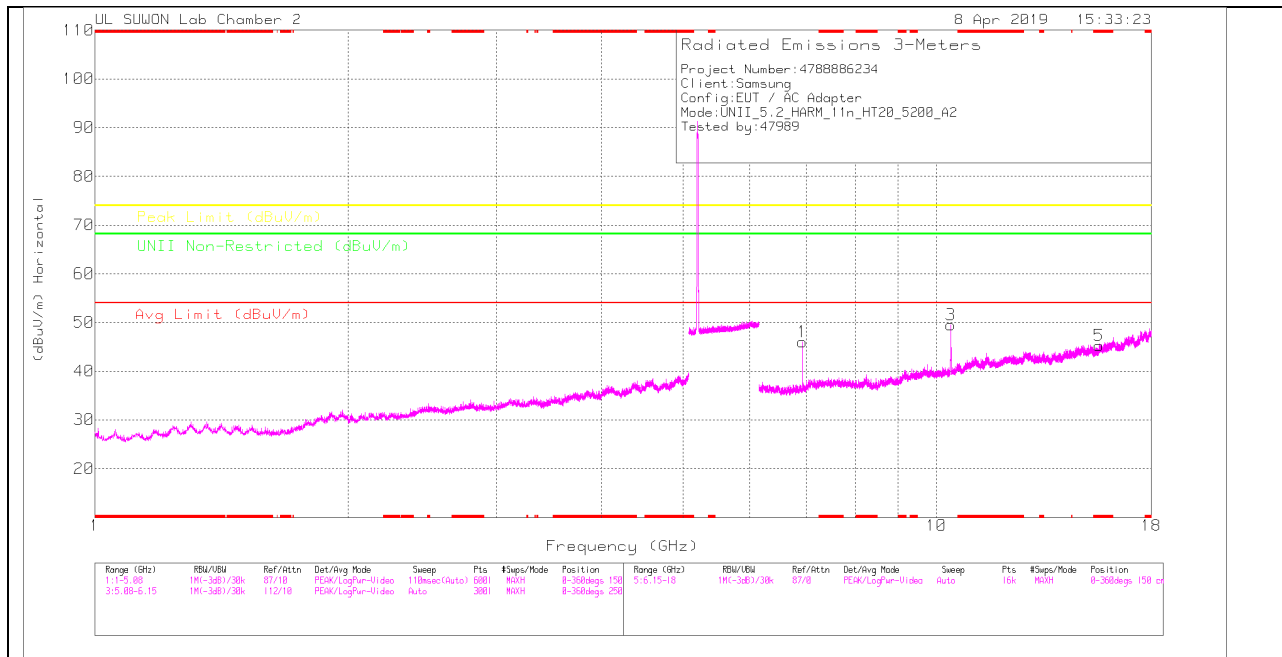
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.906	41.3	PK-U	35.7	-25.2	0	51.8	-	-	-	-	68.2	-16.4	173	144	H
6.907	43.58	PK-U	35.7	-25.2	0	54.08	-	-	-	-	68.2	-14.12	198	140	V
10.36	42.91	PK-U	37.5	-21	0	59.41	-	-	-	-	68.2	-8.79	221	222	H
10.36	43.2	PK-U	37.5	-21	0	59.7	-	-	-	-	68.2	-8.5	159	184	V

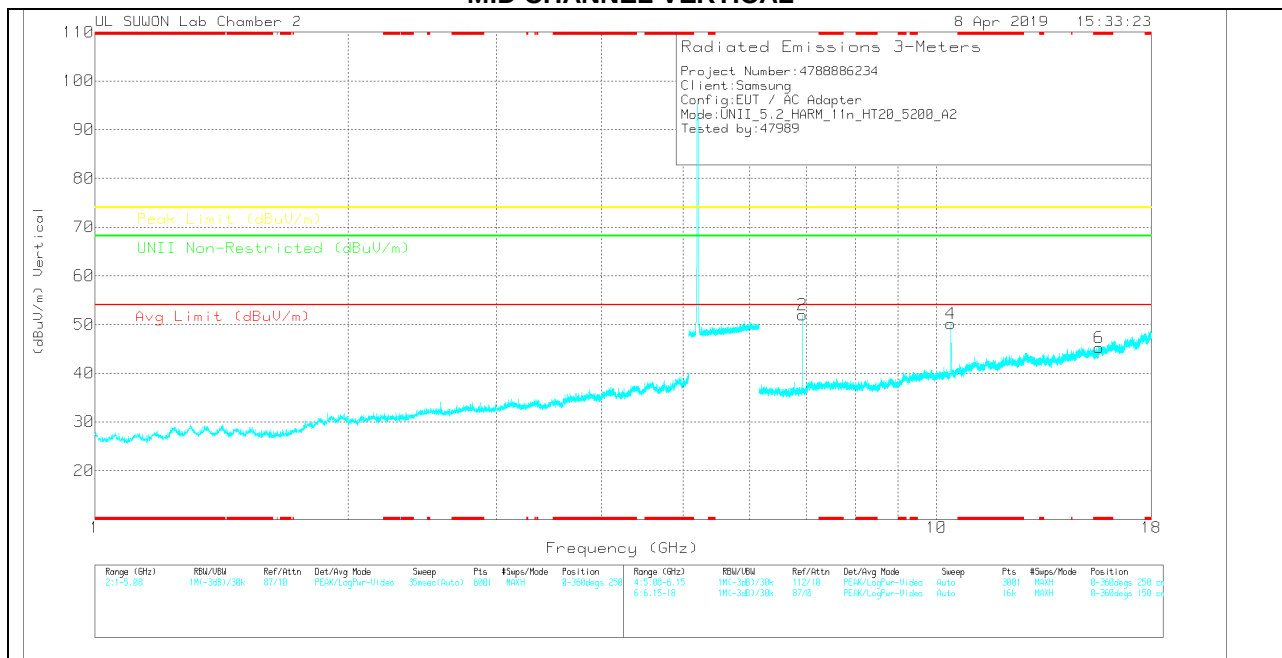
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	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)	Asimuth (Degs)	Height (cm)	Polarity
1	6.933	35.61	PK	35.7	-25.3	0	46.01	-	-	-	-	68.2	-22.19	0-360	150	H
3	10.4	32.88	PK	37.6	-21	0	49.48	-	-	-	-	68.2	-18.72	0-360	250	H
5	* 15.605	25.05	PK	40	-19.8	0	45.25	-	-	74	-28.75	-	-	0-360	250	H
2	6.933	41.56	PK	35.7	-25.3	0	51.96	-	-	-	-	68.2	-16.24	0-360	150	V
4	10.4	33.56	PK	37.6	-21	0	50.16	-	-	-	-	68.2	-18.04	0-360	250	V
6	* 15.6	25	PK	40	-19.8	0	45.2	-	-	74	-28.8	-	-	0-360	250	V

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

PK – Peak Detector

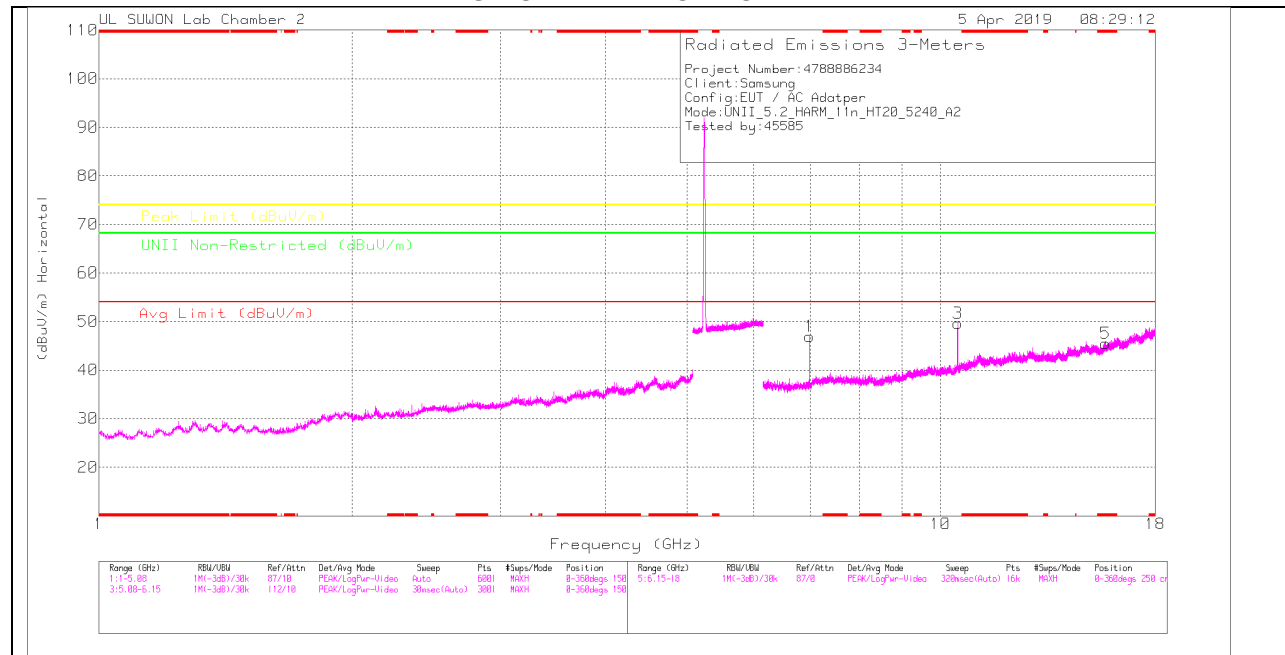
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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)	Asimuth (Degs)	Height (cm)	Polarity
6.933	41.71	PK-U	35.7	-25.3	0	52.11	-	-	-	-	68.2	-16.09	172	136	H
6.933	44.61	PK-U	35.7	-25.3	0	55.01	-	-	-	-	68.2	-13.19	178	138	V
10.4	44.66	PK-U	37.6	-21	0	61.26	-	-	-	-	68.2	-6.94	175	165	H
10.4	41.95	PK-U	37.6	-21	0	58.55	-	-	-	-	68.2	-9.65	157	179	V

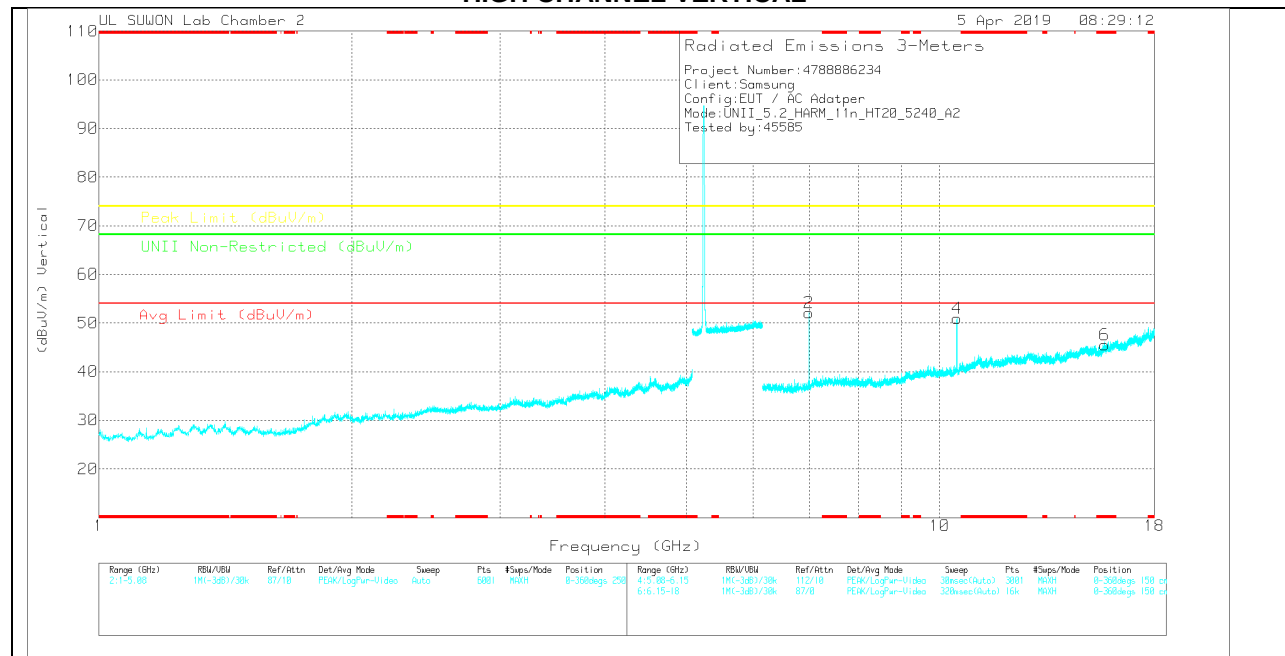
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.986	36.87	PK	35.8	-25.8	0	46.87	-	-	-	-	68.2	-21.33	0-360	150	H
3	10.479	32.7	PK	37.7	-20.8	0	49.6	-	-	-	-	68.2	-18.6	0-360	150	H
5	* 15.72	24.83	PK	40.2	-19.5	0	45.53	-	-	74	-28.47	-	-	0-360	150	H
2	6.986	42.04	PK	35.8	-25.8	0	52.04	-	-	-	-	68.2	-16.16	0-360	150	V
4	10.481	34.02	PK	37.7	-20.8	0	50.92	-	-	-	-	68.2	-17.28	0-360	250	V
6	* 15.721	24.91	PK	40.2	-19.6	0	45.51	-	-	74	-28.49	-	-	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

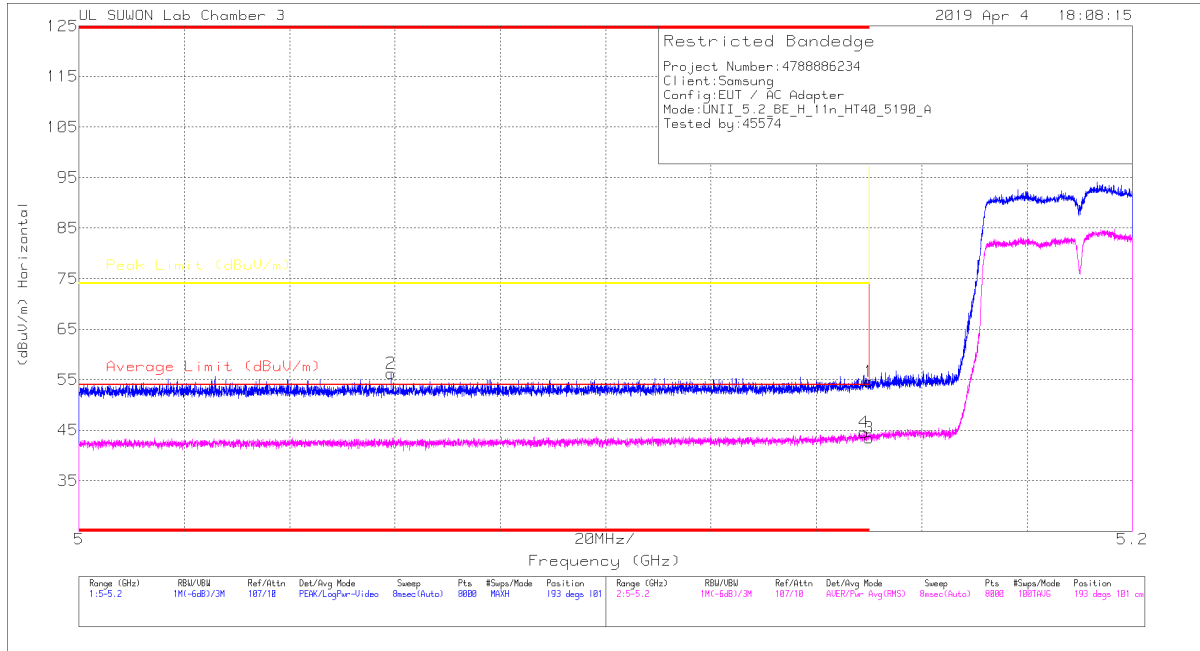
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.987	42.55	PK-U	35.8	-25.8	0	52.55	-	-	-	-	68.2	-15.64	197	101	H
6.987	44.82	PK-U	35.8	-25.8	0	54.82	-	-	-	-	68.2	-13.38	186	138	V
10.479	43.95	PK-U	37.7	-20.8	0	60.85	-	-	-	-	68.2	-7.34	174	129	H
10.479	43.26	PK-U	37.7	-20.8	0	60.16	-	-	-	-	68.2	-8.04	201	286	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 DATA



Trace Markers

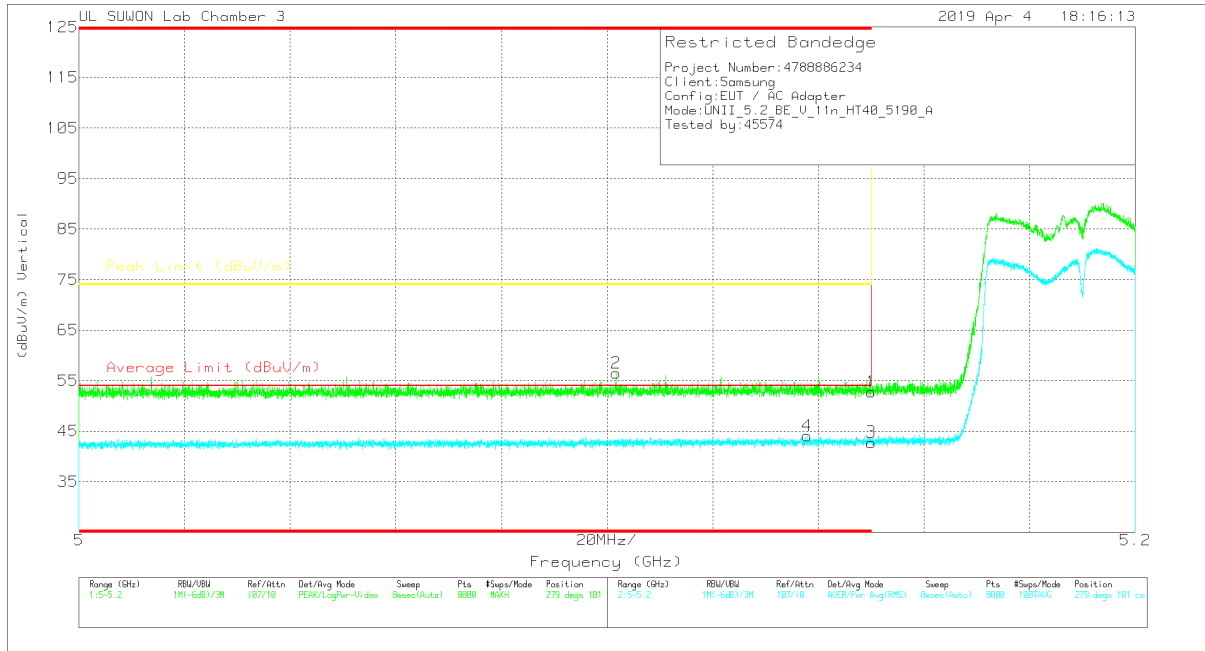
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.22	Pk		-19	0	54.62	-	-	74	-19.38	193	101	H
2	* 5.059	41.1	Pk		-19.2	0	56.2	-	-	74	-17.8	193	101	H
3	* 5.15	28.47	RMS		-19.4	0	43.47	54	-10.53	-	-	193	101	H
4	* 5.149	29.62	RMS		-19.4	0	44.62	54	-9.38	-	-	193	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_00205959	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	37.41	Pk	34.4	-19	0	52.81	-	-	74	-21.19	279	101	V
2	* 5.102	41.22	Pk	34.4	-19.1	0	56.52	-	-	74	-17.48	279	101	V
3	* 5.15	27.78	RMS	34.4	-19.4	0	42.78	54	-11.22	-	-	279	101	V
4	* 5.138	29.04	RMS	34.4	-19.4	0	44.04	54	-9.96	-	-	279	101	V

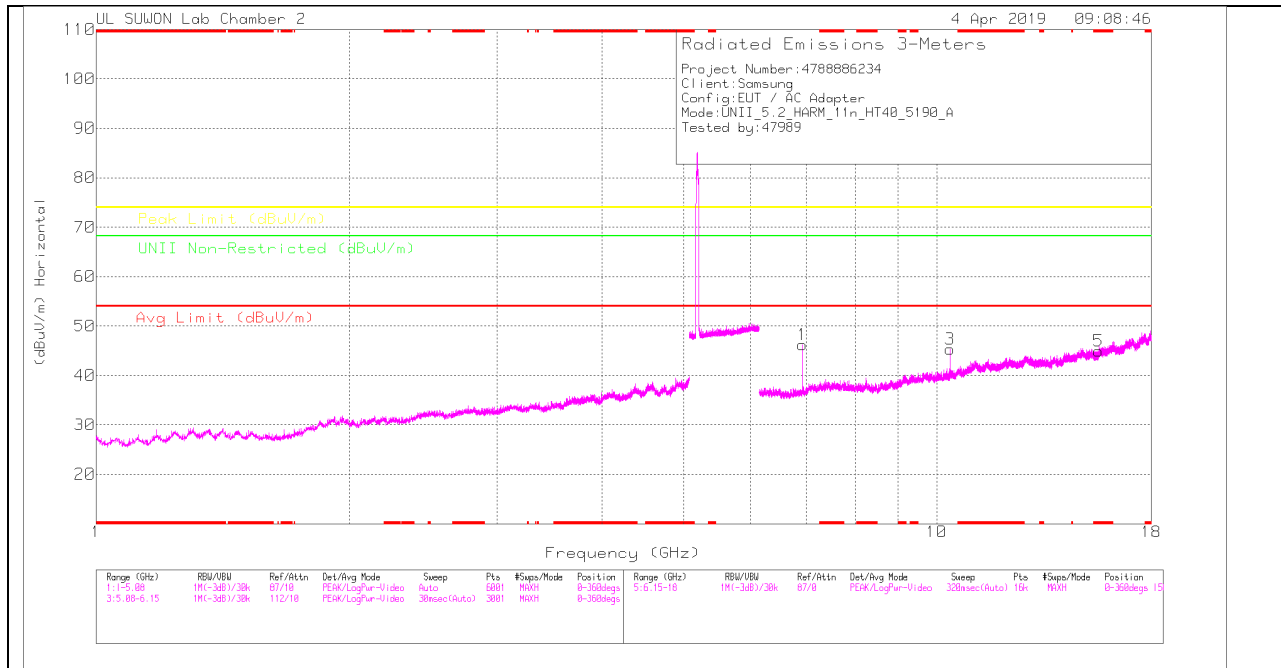
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

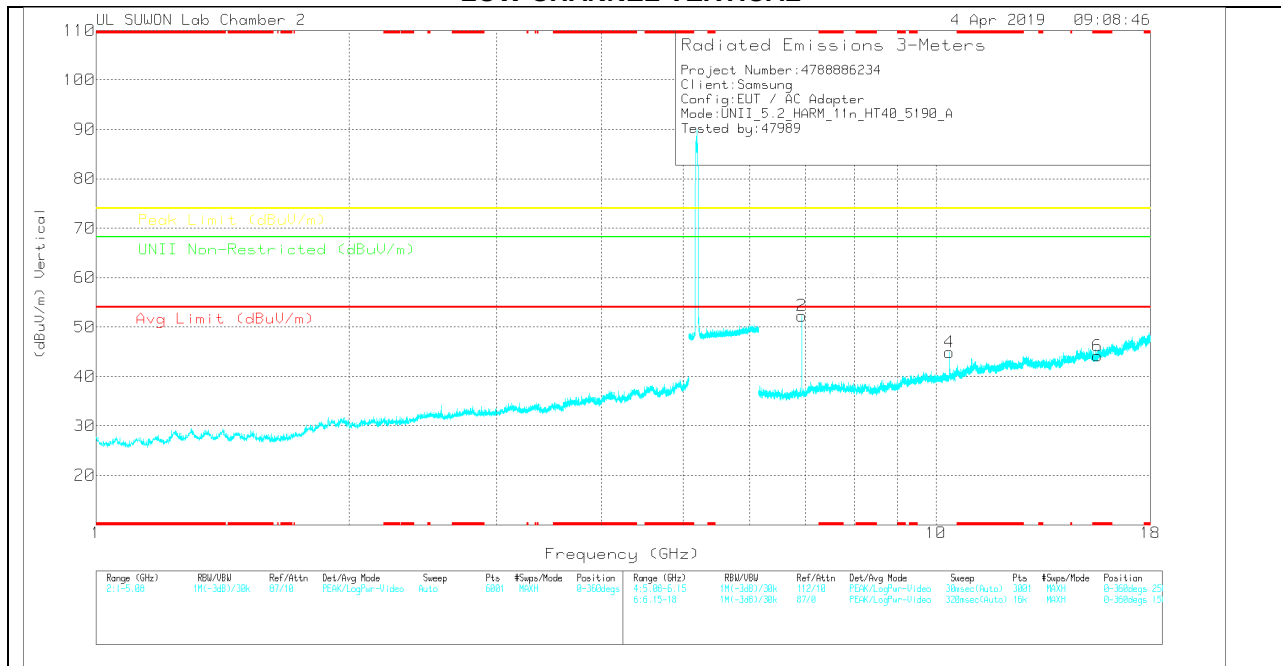
RMS - RMS detection

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.919	35.81	PK	35.7	-25.3	0	46.21	-	-	-	-	68.2	-21.99	0-360	150	H
3	10.38	28.7	PK	37.6	-21	0	45.3	-	-	-	-	68.2	-22.9	0-360	150	H
5	* 15.574	24.62	PK	40	-19.7	0	44.92	-	-	74	-29.08	-	-	0-360	150	H
2	6.919	41.87	PK	35.7	-25.3	0	52.27	-	-	-	-	68.2	-15.93	0-360	150	V
4	10.379	28.29	PK	37.6	-21	0	44.89	-	-	-	-	68.2	-23.31	0-360	250	V
6	* 15.575	23.87	PK	40	-19.7	0	44.17	-	-	74	-29.83	-	-	0-360	150	V

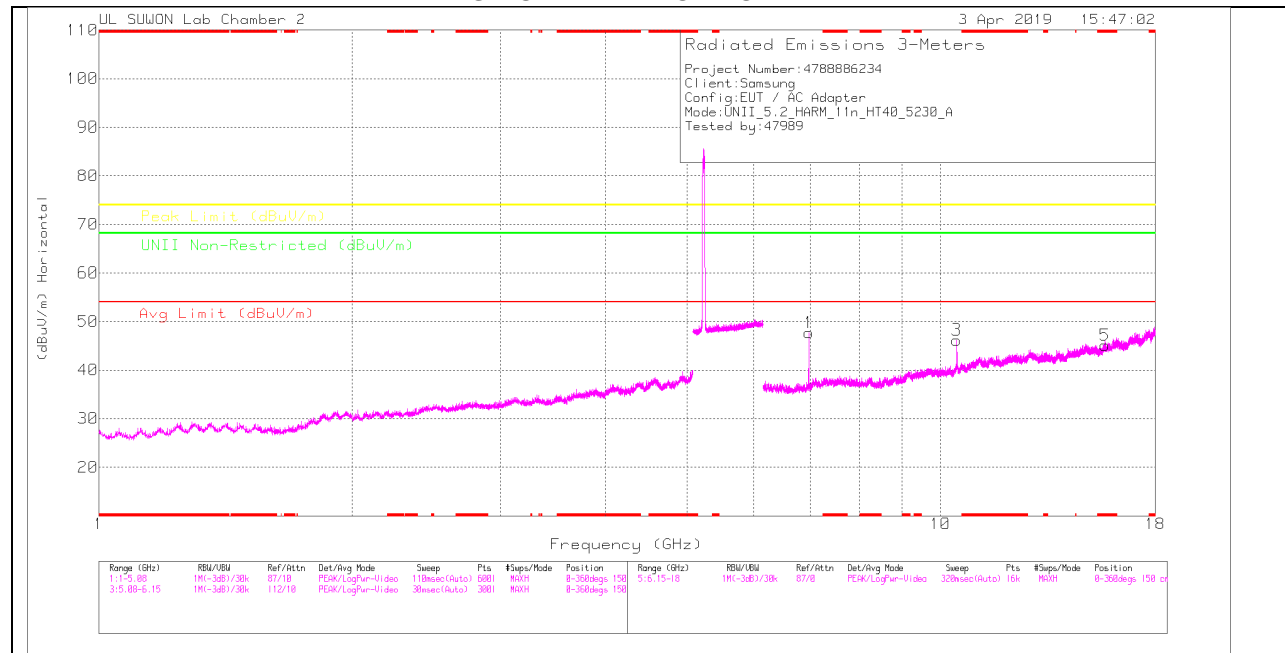
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

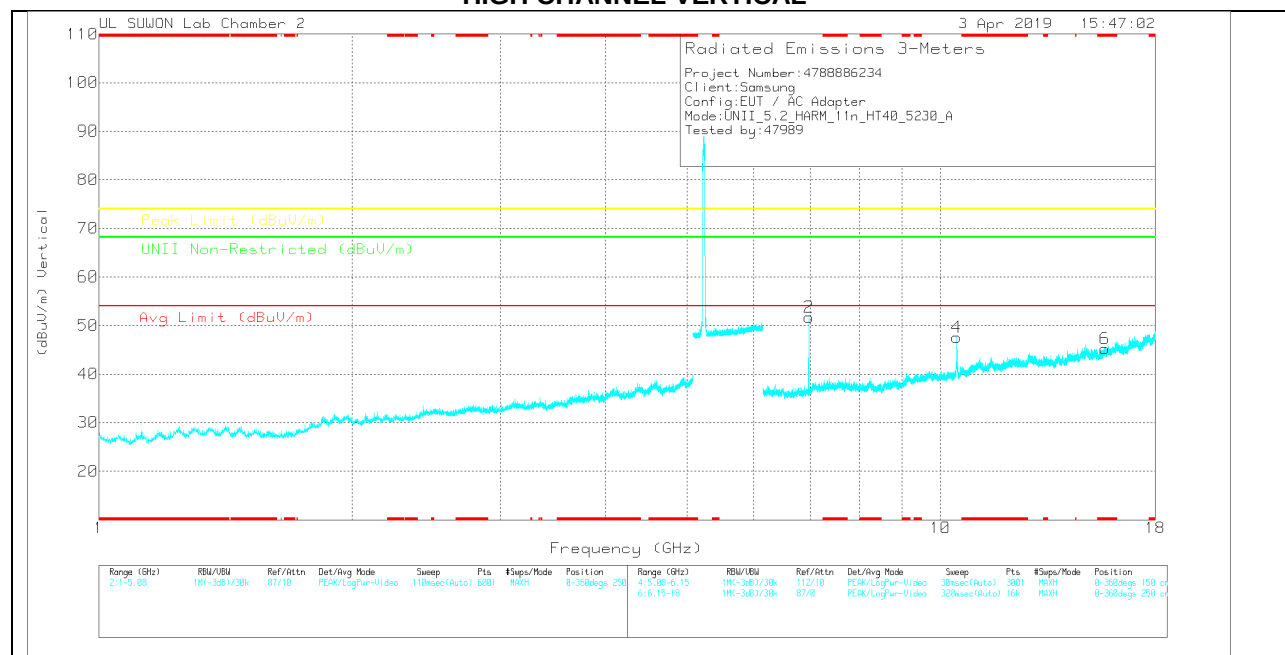
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.92	42.66	PK-U	35.7	-25.3	0	53.06	-	-	-	-	68.2	-15.14	210	106	H
6.92	45.5	PK-U	35.7	-25.3	0	55.9	-	-	-	-	68.2	-12.3	174	142	V
10.38	36.09	PK-U	37.6	-21	0	52.69	-	-	-	-	68.2	-15.51	174	164	H
10.38	37.91	PK-U	37.6	-21.1	0	54.41	-	-	-	-	68.2	-13.79	161	179	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_00168724	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)	Asimuth (Degs)	Height (cm)	Polarity
1	6.973	37.5	PK	35.8	-25.6	0	47.7	-	-	-	-	68.2	-20.5	0-360	150	H
3	10.459	29.31	PK	37.6	-20.7	0	46.21	-	-	-	-	68.2	-21.99	0-360	150	H
5	* 15.687	24.68	PK	40.2	-19.8	0	45.08	-	-	74	-28.92	-	-	0-360	250	H
2	6.973	41.56	PK	35.8	-25.6	0	51.76	-	-	-	-	68.2	-16.44	0-360	250	V
4	10.459	30.63	PK	37.6	-20.7	0	47.53	-	-	-	-	68.2	-20.67	0-360	250	V
6	* 15.689	24.84	PK	40.2	-19.8	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

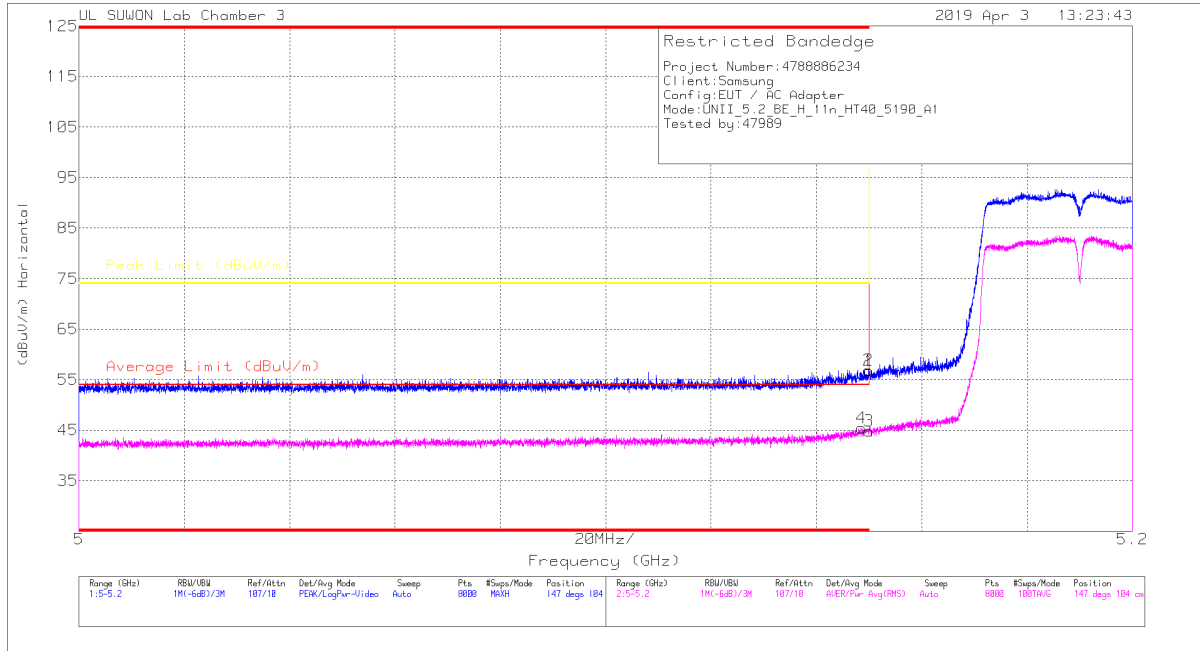
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.973	41.97	PK-U	35.8	-25.6	0	52.17	-	-	-	-	68.2	-16.03	220	168	H
6.973	44.3	PK-U	35.8	-25.6	0	54.5	-	-	-	-	68.2	-13.7	164	117	V
10.46	38.09	PK-U	37.6	-20.7	0	54.99	-	-	-	-	68.2	-13.21	174	163	H
10.46	35.98	PK-U	37.6	-20.7	0	52.88	-	-	-	-	68.2	-15.32	159	179	V

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

PK-U - U-NII: Maximum Peak

11.1.8.TX Above 1GHz 802.11n HT40 1Tx ANT1 IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

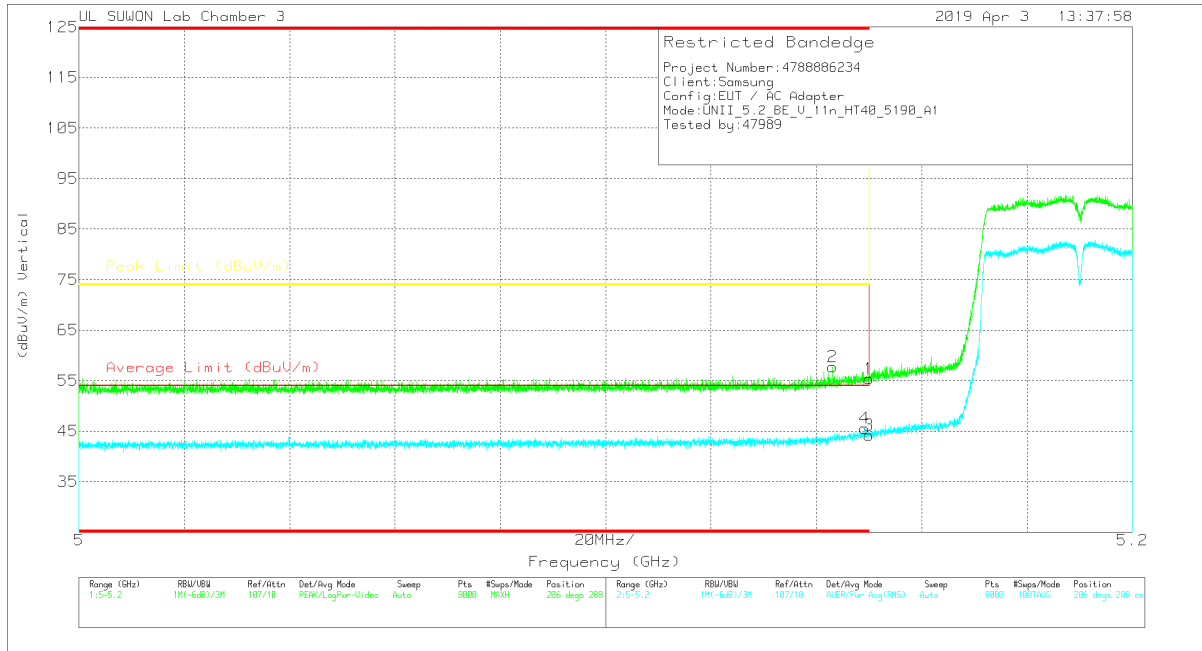
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.33	Pk		34.4	-19	56.73	-	-	74	-17.27	147	104	H
2	* 5.15	41.5	Pk		34.4	-19	56.9	-	-	74	-17.1	147	104	H
3	* 5.15	29.88	RMS		34.4	-19.4	44.88	54	-9.12	-	-	147	104	H
4	* 5.149	30.45	RMS		34.4	-19.4	45.45	54	-8.55	-	-	147	104	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_00205959	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	40.01	PK		34.4	-19	0	55.41	-	74	-18.59	206	288	V
2	* 5.143	42.39	PK		34.4	-19	0	57.79	-	74	-16.21	206	288	V
3	* 5.15	29.22	RMS		34.4	-19.4	0	44.22	54	-9.78	-	206	288	V
4	* 5.149	30.54	RMS		34.4	-19.4	0	45.54	54	-8.46	-	206	288	V

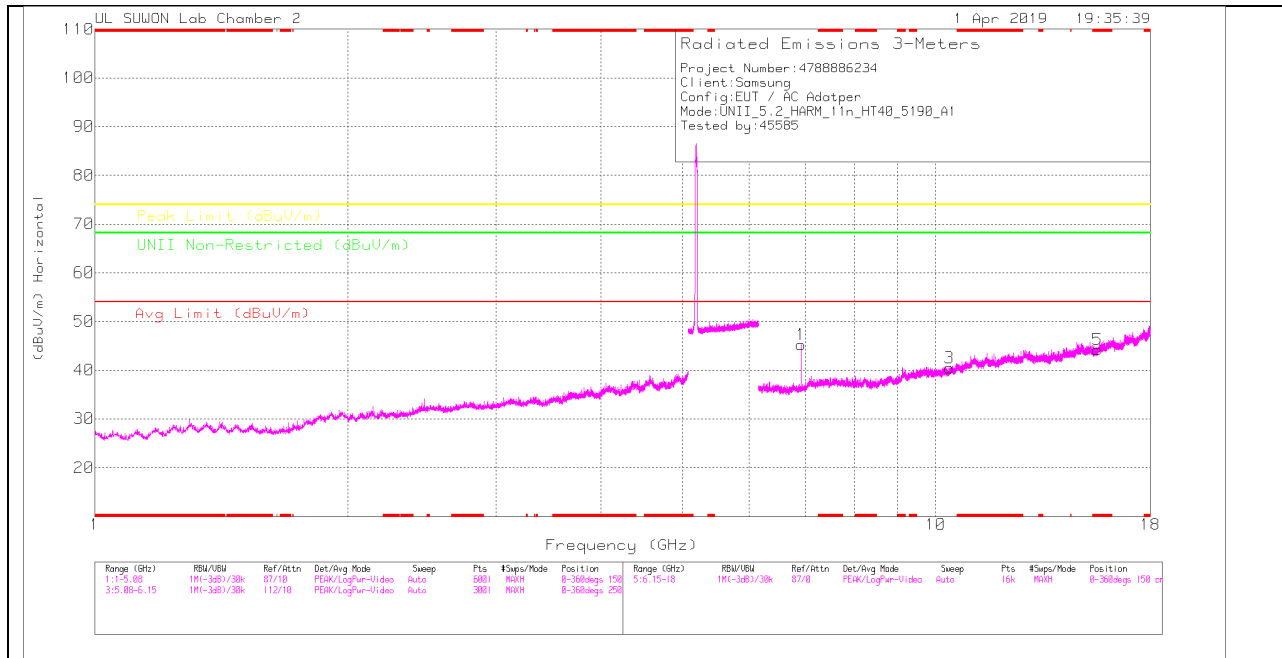
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

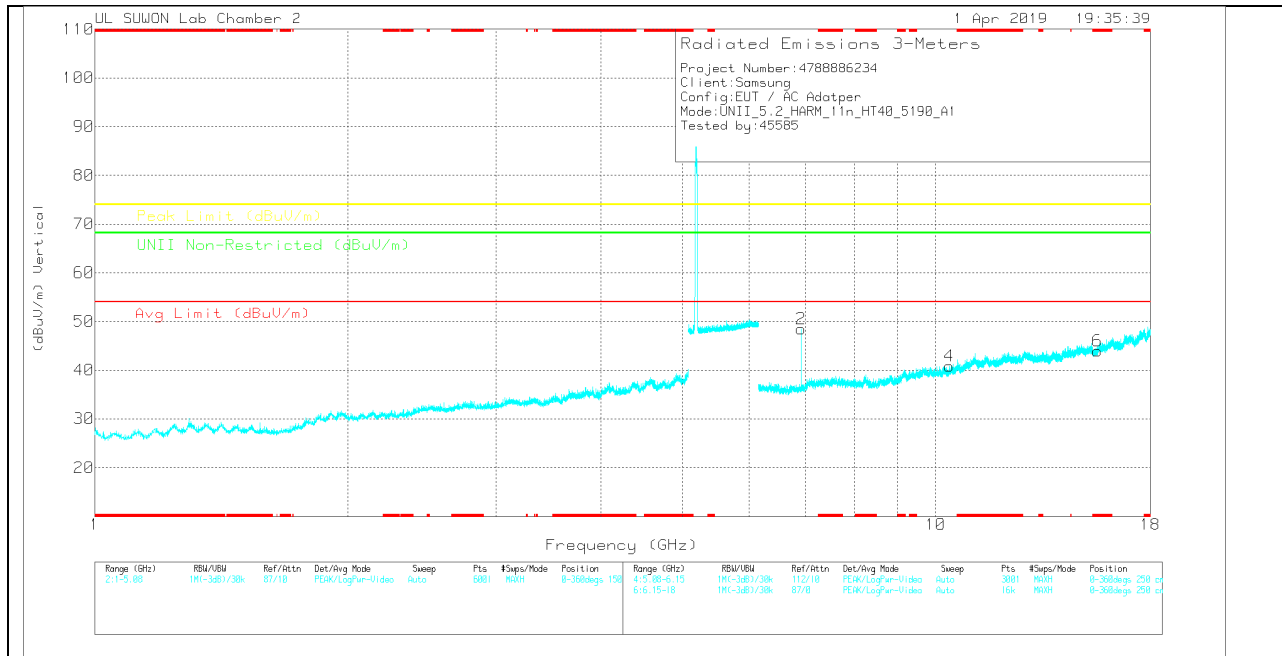
RMS - RMS detection

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_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.919	34.88	PK	35.7	-25.3	0	45.28	-	-	-	-	68.2	-22.92	0-360	150	H
3	10.385	23.83	PK	37.6	-21	0	40.43	-	-	-	-	68.2	-27.77	0-360	150	H
5	* 15.573	24.01	PK	40	-19.8	0	44.21	-	-	74	-29.79	-	-	0-360	251	H
2	6.919	38.12	PK	35.7	-25.3	0	48.52	-	-	-	-	68.2	-19.68	0-360	150	V
4	10.379	24.22	PK	37.6	-21	0	40.82	-	-	-	-	68.2	-27.38	0-360	150	V
6	* 15.571	23.68	PK	40	-19.7	0	43.98	-	-	74	-30.02	-	-	0-360	150	V

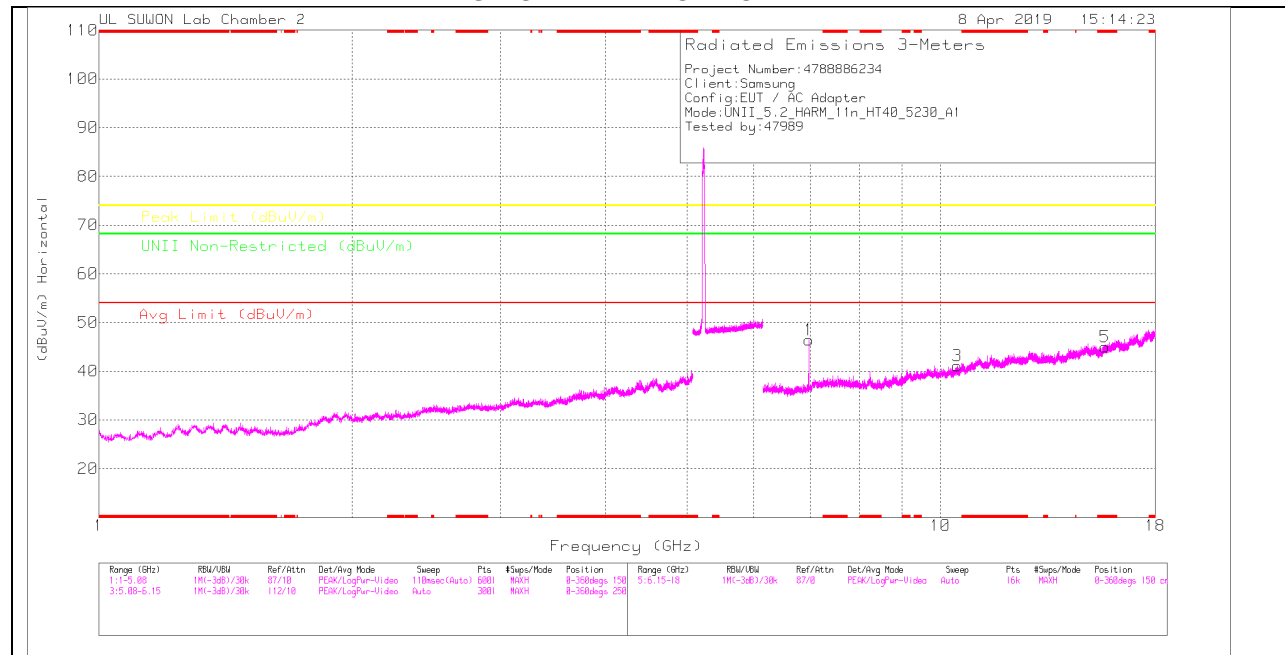
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

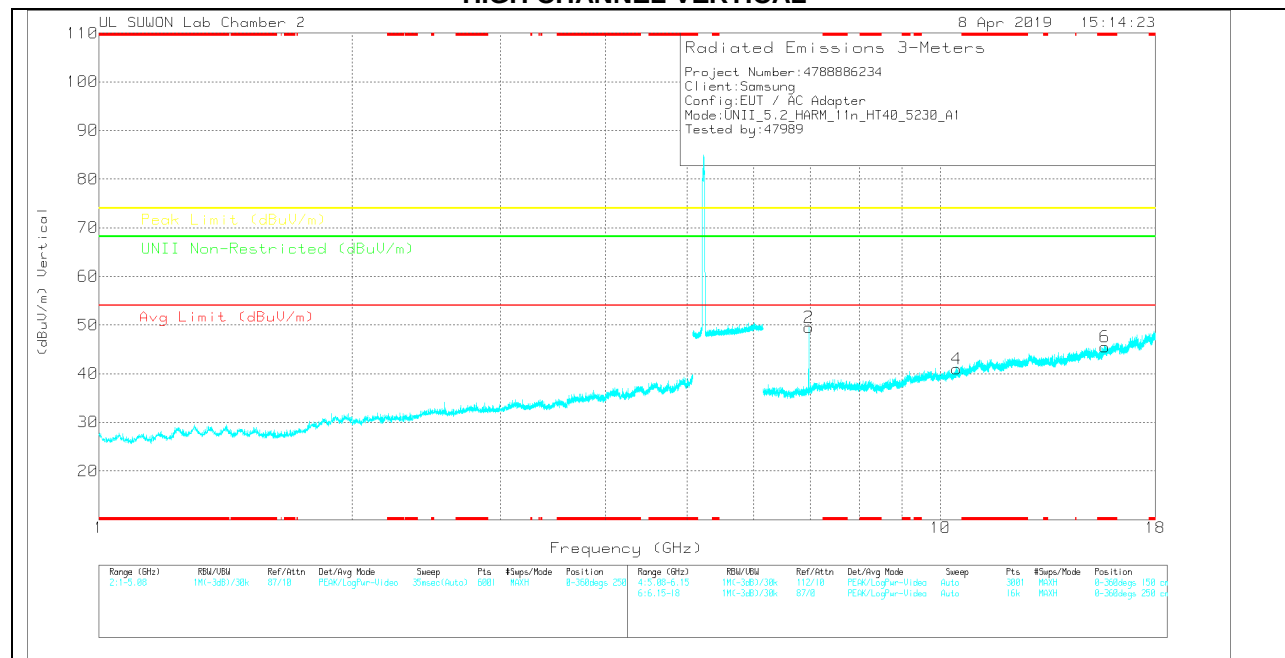
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.92	40.57	PK-U	35.7	-25.3	0	50.97	-	-	-	-	68.2	-17.23	45	124	H
6.92	43.55	PK-U	35.7	-25.3	0	53.95	-	-	-	-	68.2	-14.25	173	108	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_00168724	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	6.973	36.25	PK	35.8	-25.6	0	46.45	-	-	-	-	68.2	-21.75	0-360	150	H
3	10.468	24.05	PK	37.7	-20.7	0	41.05	-	-	-	-	68.2	-27.15	0-360	150	H
5	* 15.692	24.63	PK	40.2	-19.8	0	45.03	-	-	74	-28.97	-	-	0-360	150	H
2	6.973	39.31	PK	35.8	-25.6	0	49.51	-	-	-	-	68.2	-18.69	0-360	150	V
4	10.459	24.11	PK	37.6	-20.7	0	41.01	-	-	-	-	68.2	-27.19	0-360	150	V
6	* 15.695	24.97	PK	40.2	-19.7	0	45.47	-	-	74	-28.53	-	-	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

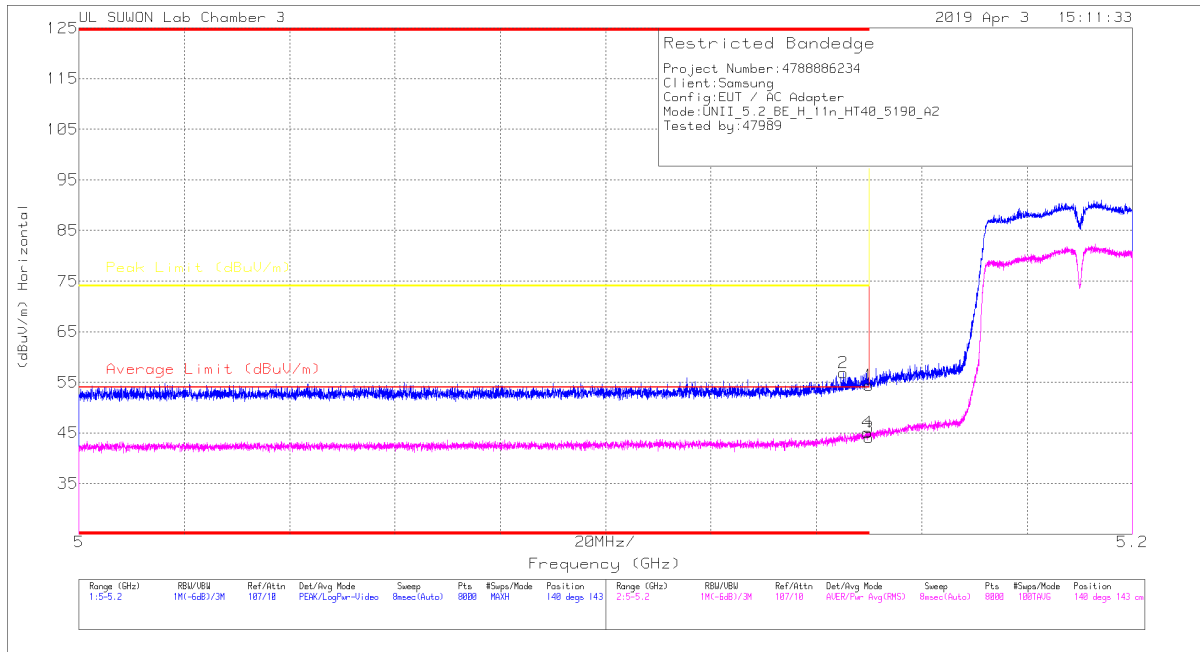
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.973	40.34	PK-U	35.8	-25.6	0	50.54	-	-	-	-	68.2	-17.66	107	126	H
6.973	43.28	PK-U	35.8	-25.6	0	53.48	-	-	-	-	68.2	-14.72	180	100	V

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

PK-U - U-NII: Maximum Peak

11.1.9.TX Above 1GHz 802.11n HT40 1Tx ANT2 IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

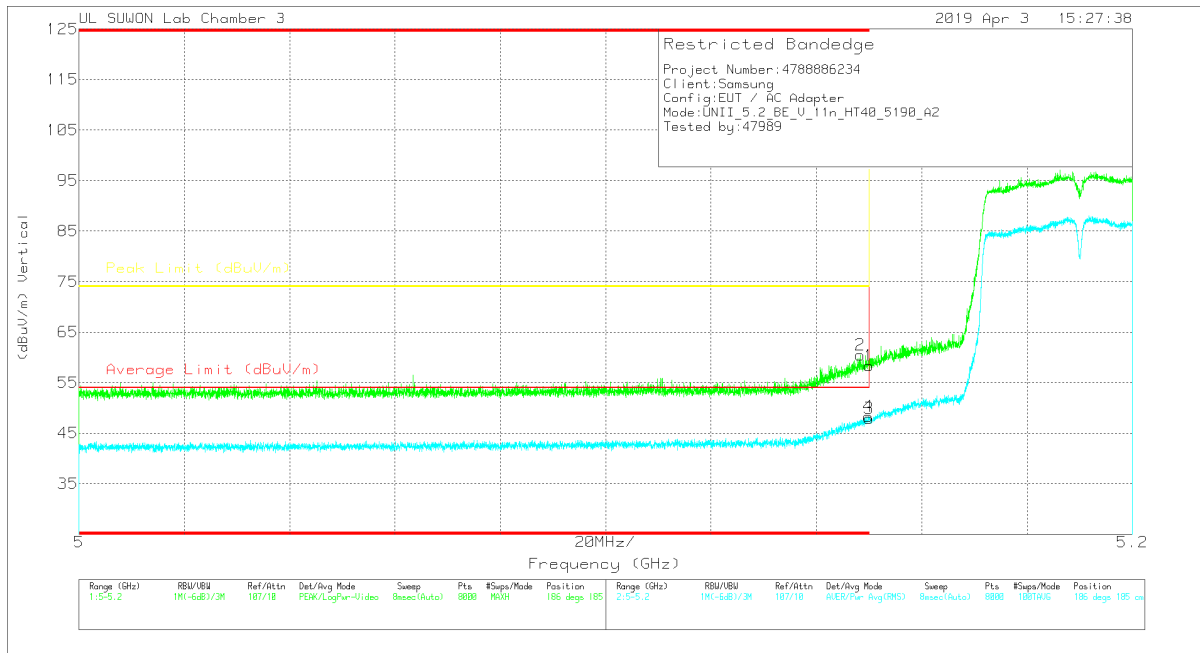
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.95	Pk		34.4	-19	54.35	-	-	74	-19.65	140	143	H
2	* 5.145	41.59	Pk		34.4	-19.1	56.89	-	-	74	-17.11	140	143	H
3	* 5.15	29.04	RMS		34.4	-19.4	44.04	54	-9.96	-	-	140	143	H
4	* 5.15	30.04	RMS		34.4	-19.4	45.04	54	-8.96	-	-	140	143	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_00205959	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	43	PK		34.4	-19	0	58.4	-	74	-15.6	186	185	V
2	* 5.148	45.18	PK		34.4	-19.1	0	60.48	-	74	-13.52	186	185	V
3	* 5.15	32.92	RMS		34.4	-19.4	0	47.92	-6.08	-	-	186	185	V
4	* 5.15	33.27	RMS		34.4	-19.4	0	48.27	-5.73	-	-	186	185	V

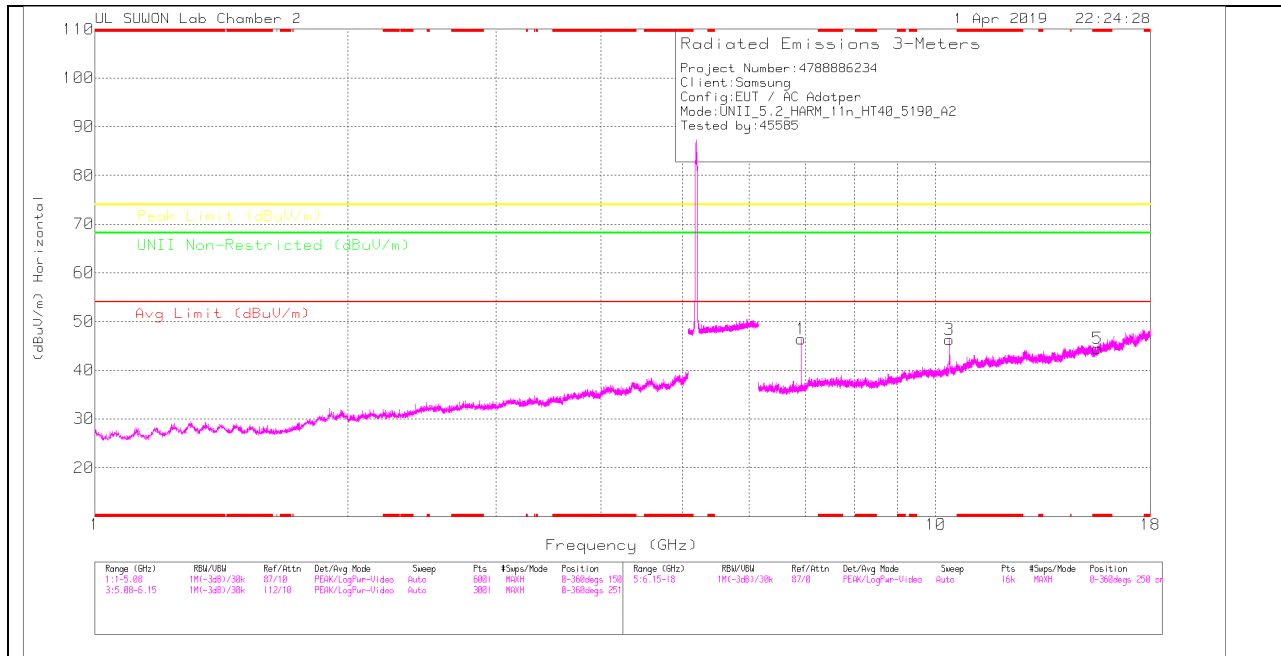
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

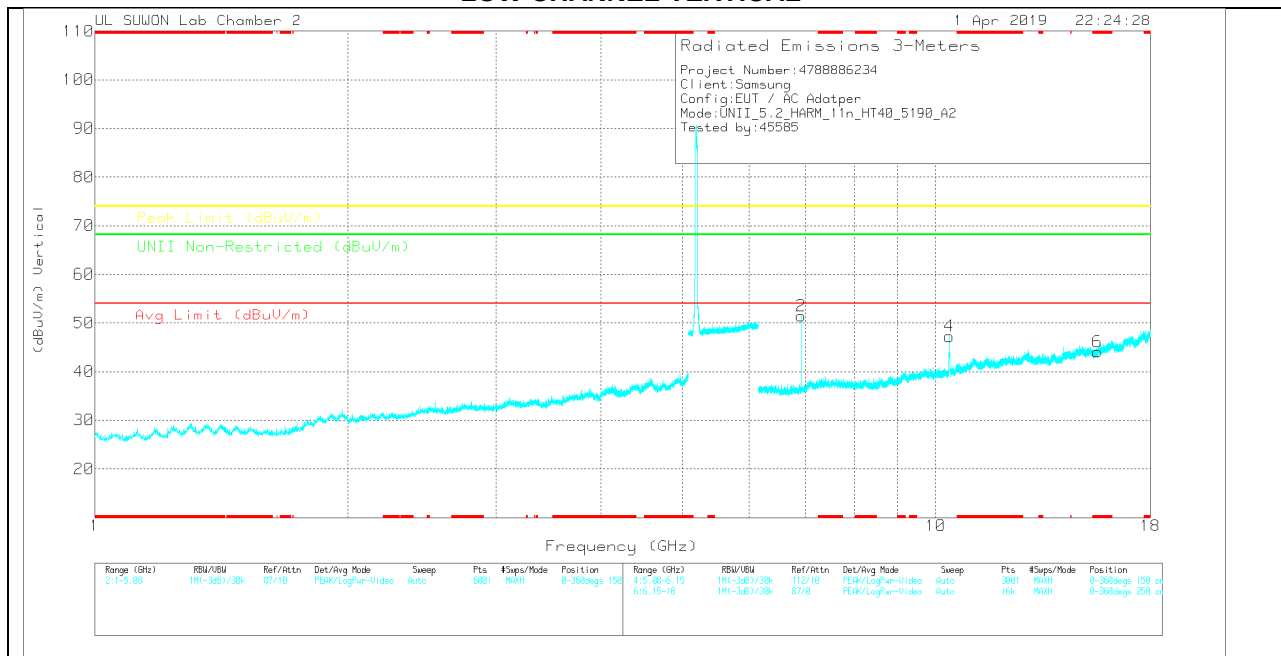
RMS - RMS detection

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.919	36.05	PK	35.7	-25.3	0	46.45	-	-	-	-	68.2	-21.75	0-360	150	H
3	10.38	29.69	PK	37.6	-21	0	46.29	-	-	-	-	68.2	-21.91	0-360	150	H
5	* 15.578	24.24	PK	40	-19.8	0	44.44	-	-	74	-29.56	-	-	0-360	150	H
2	6.919	41.07	PK	35.7	-25.3	0	51.47	-	-	-	-	68.2	-16.73	0-360	150	V
4	10.38	30.65	PK	37.6	-21	0	47.25	-	-	-	-	68.2	-20.95	0-360	250	V
6	* 15.574	23.81	PK	40	-19.7	0	44.11	-	-	74	-29.89	-	-	0-360	250	V

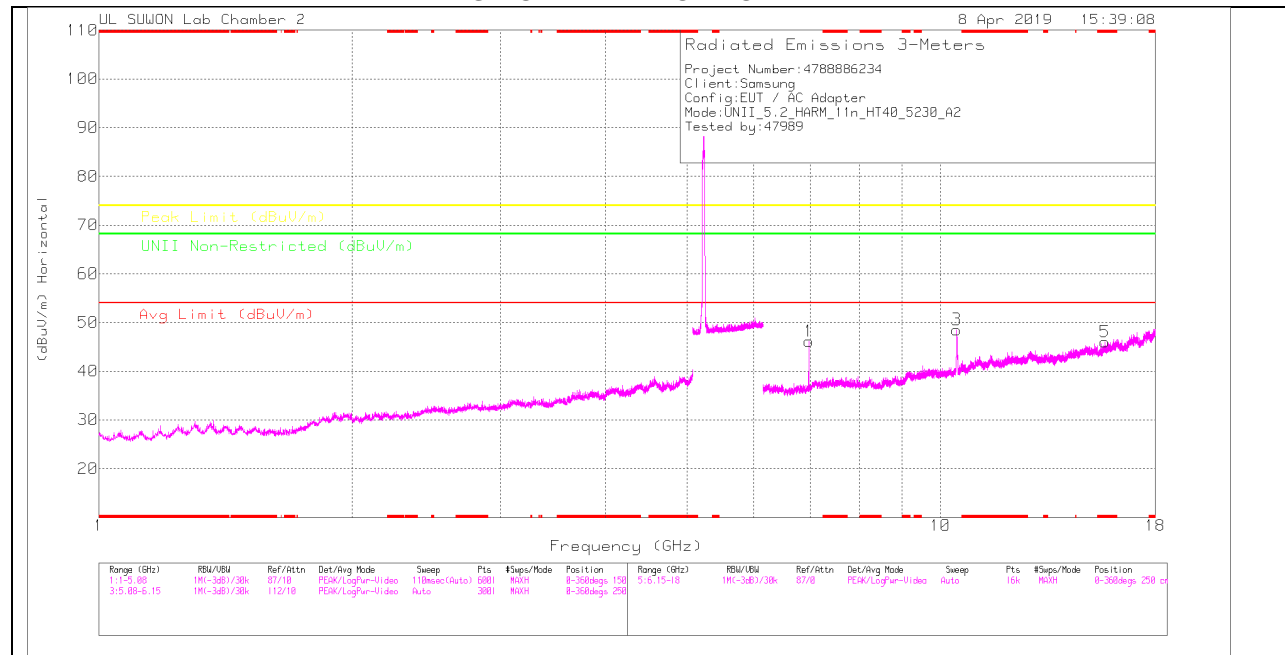
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

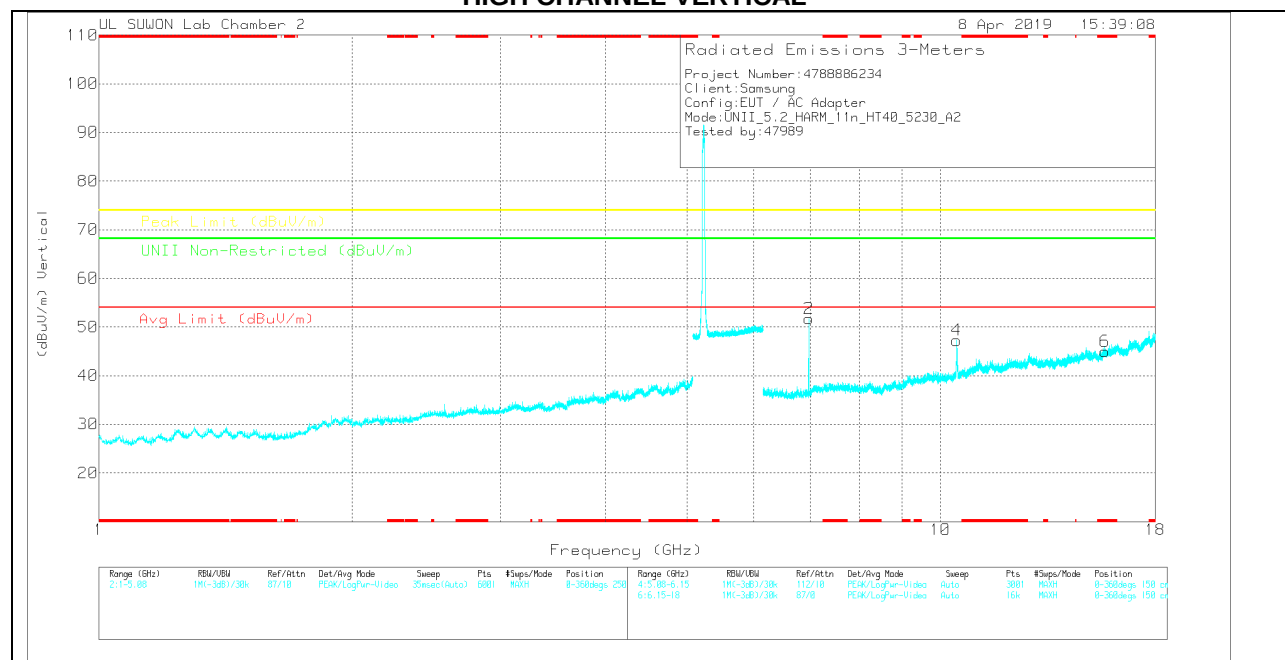
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.92	41.47	PK-U	35.7	-25.3	0	51.87	-	-	-	-	68.2	-16.33	173	144	H
6.92	43.93	PK-U	35.7	-25.3	0	54.33	-	-	-	-	68.2	-13.87	198	140	V
10.38	39.67	PK-U	37.6	-21	0	56.27	-	-	-	-	68.2	-11.93	221	222	H
10.38	39.73	PK-U	37.6	-21	0	56.33	-	-	-	-	68.2	-11.87	159	184	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_00168724	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)	Asimuth (Degs)	Height (cm)	Polarity
1	6.973	35.99	PK	35.8	-25.6	0	46.19	-	-	-	-	68.2	-22.01	0-360	150	H
3	10.46	31.64	PK	37.6	-20.7	0	48.54	-	-	-	-	68.2	-19.66	0-360	150	H
5	* 15.685	25.6	PK	40.2	-19.8	0	46	-	-	74	-28	-	-	0-360	150	H
2	6.973	41.54	PK	35.8	-25.6	0	51.74	-	-	-	-	68.2	-16.46	0-360	150	V
4	10.46	30.35	PK	37.6	-20.7	0	47.25	-	-	-	-	68.2	-20.95	0-360	250	V
6	* 15.684	24.63	PK	40.2	-19.8	0	45.03	-	-	74	-28.97	-	-	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

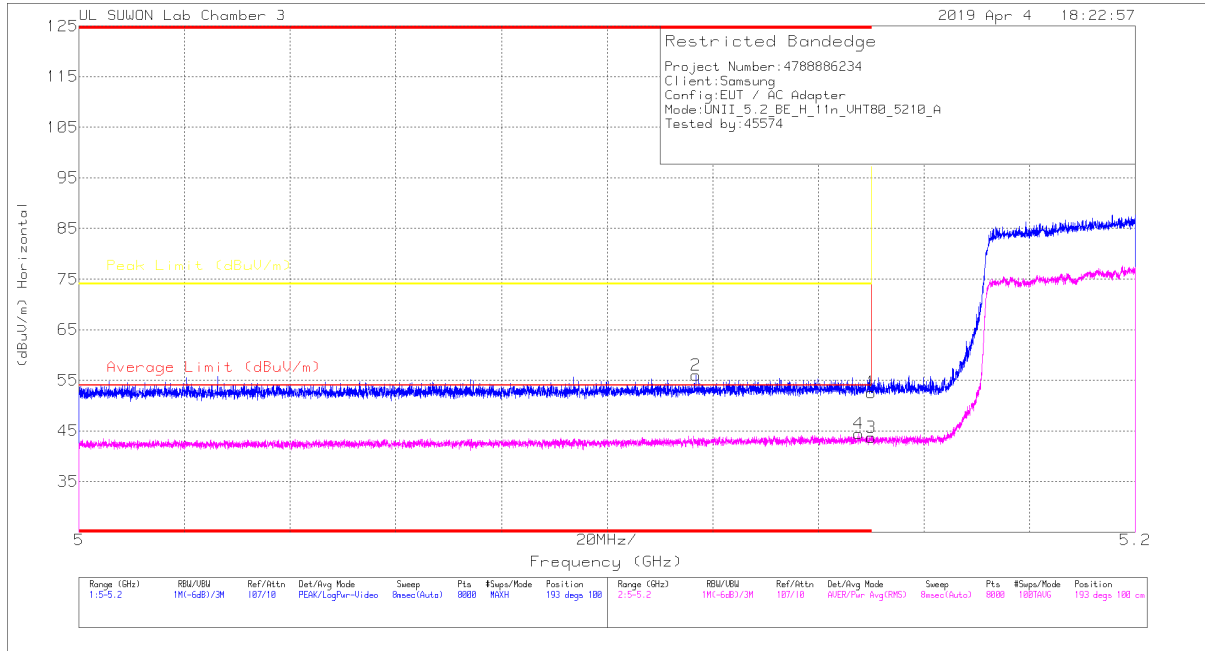
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.973	42.62	PK-U	35.8	-25.6	0	52.82	-	-	-	-	68.2	-15.38	197	100	H
6.973	44.75	PK-U	35.8	-25.6	0	54.95	-	-	-	-	68.2	-13.25	172	156	V
10.46	40	PK-U	37.6	-20.7	0	56.9	-	-	-	-	68.2	-11.3	172	159	H
10.46	38.49	PK-U	37.6	-20.7	0	55.39	-	-	-	-	68.2	-12.81	157	177	V

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

PK-U - U-NII: Maximum Peak

11.1.10. TX ABOVE 1GHz 802.11ac VHT80 2Tx CDD 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_00205959	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	37.19	PK	34.4	-19	0	52.59	-	-	74	-21.41	193	100	H
2	* 5.117	40.71	PK	34.4	-19.1	0	56.01	-	-	74	-17.99	193	100	H
3	* 5.15	28.69	RMS	34.4	-19.4	0	43.69	54	-10.31	-	-	193	100	H
4	* 5.148	29.45	RMS	34.4	-19.4	0	44.45	54	-9.55	-	-	193	100	H

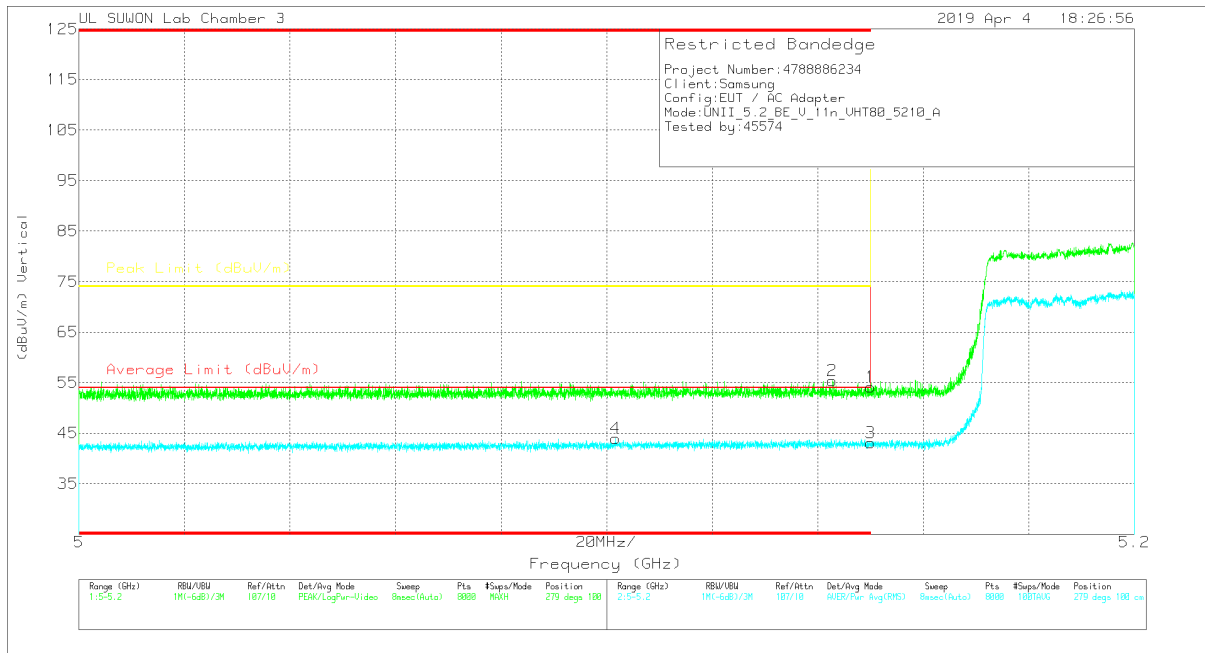
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

Radiated Emissions

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	38.73	Pk		34.4	-19	54.13	-	-	74	-19.87	279	100	V
2	* 5.143	39.97	Pk		34.4	-19	55.37	-	-	74	-18.63	279	100	V
3	* 5.15	28.09	RMS		34.4	-19.4	43.09	54	-10.91	-	-	279	100	V
4	* 5.102	29.08	RMS		34.4	-19.5	43.98	54	-10.02	-	-	279	100	V

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

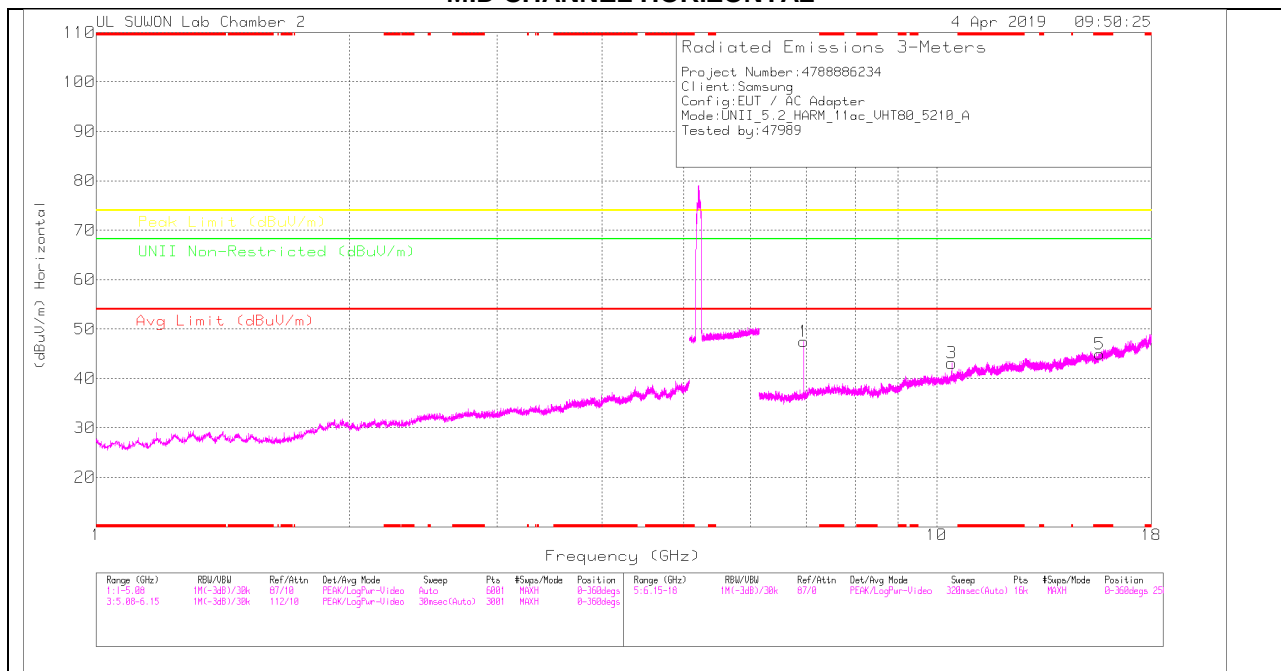
Pk - Peak detector

RMS - RMS detection

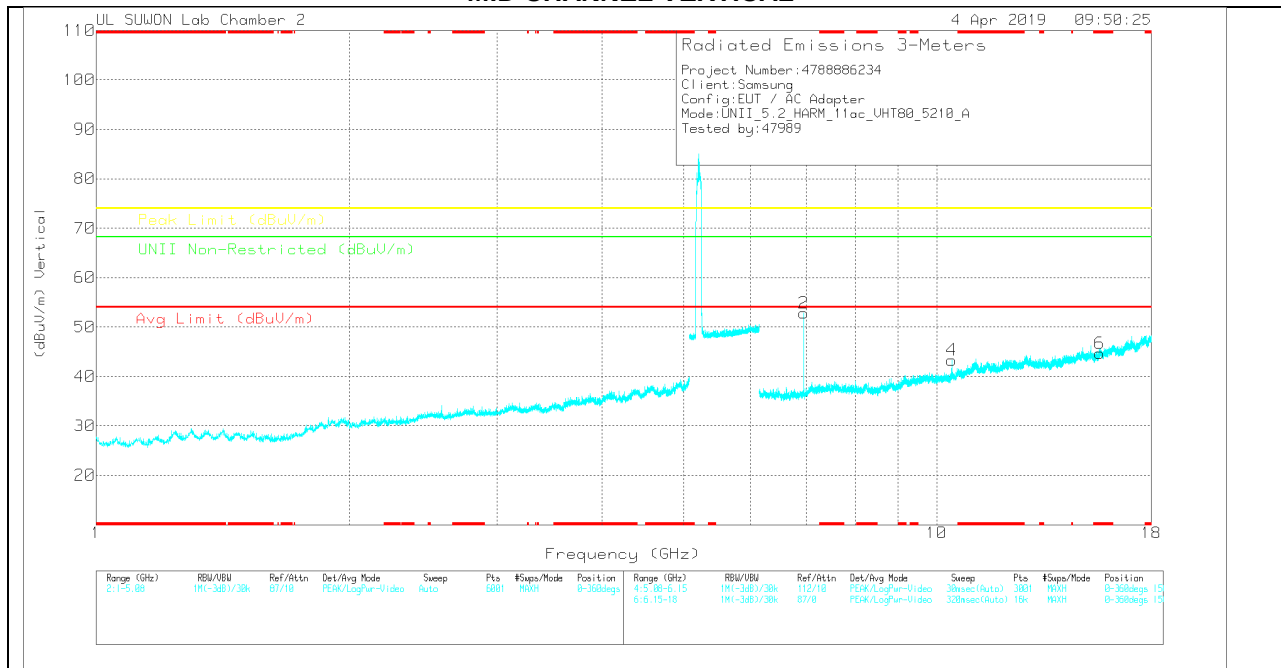
Radiated Emissions

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.946	37.2	PK	35.7	-25.4	0	47.5	-	-	-	-	68.2	-20.7	0-360	150	H
3	10.419	26.41	PK	37.6	-20.9	0	43.11	-	-	-	-	68.2	-25.09	0-360	150	H
5	* 15.632	24.74	PK	40.1	-19.9	0	44.94	-	-	74	-29.06	-	-	0-360	250	H
2	6.946	42.53	PK	35.7	-25.4	0	52.83	-	-	-	-	68.2	-15.37	0-360	150	V
4	10.42	26.62	PK	37.6	-20.9	0	43.32	-	-	-	-	68.2	-24.88	0-360	250	V
6	* 15.631	24.5	PK	40.1	-19.9	0	44.7	-	-	74	-29.3	-	-	0-360	250	V

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

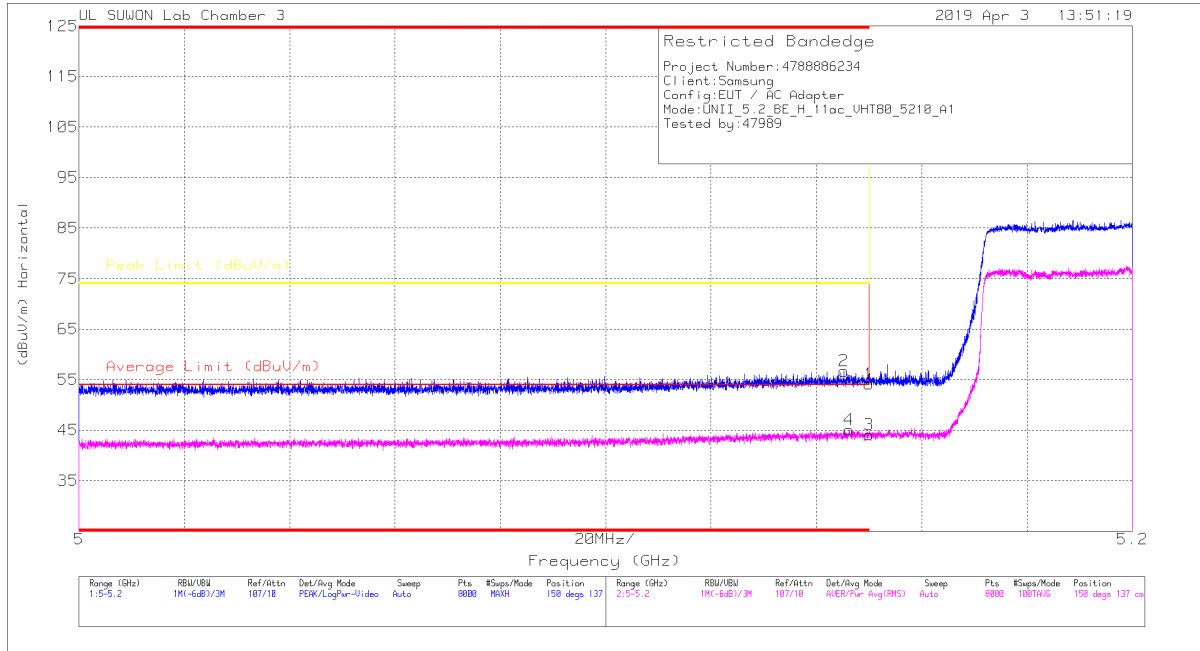
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.947	42.47	PK-U	35.7	-25.4	0	52.77	-	-	-	-	68.2	-15.43	216	189	H
6.947	45.33	PK-U	35.7	-25.4	0	55.63	-	-	-	-	68.2	-12.57	176	129	V
10.42	36.13	PK-U	37.6	-20.9	0	52.83	-	-	-	-	68.2	-15.37	179	175	H
10.42	35.62	PK-U	37.6	-20.9	0	52.32	-	-	-	-	68.2	-15.88	166	218	V

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

11.1.11. TX ABOVE 1GHz 802.11ac VHT80 1Tx ANT1 MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

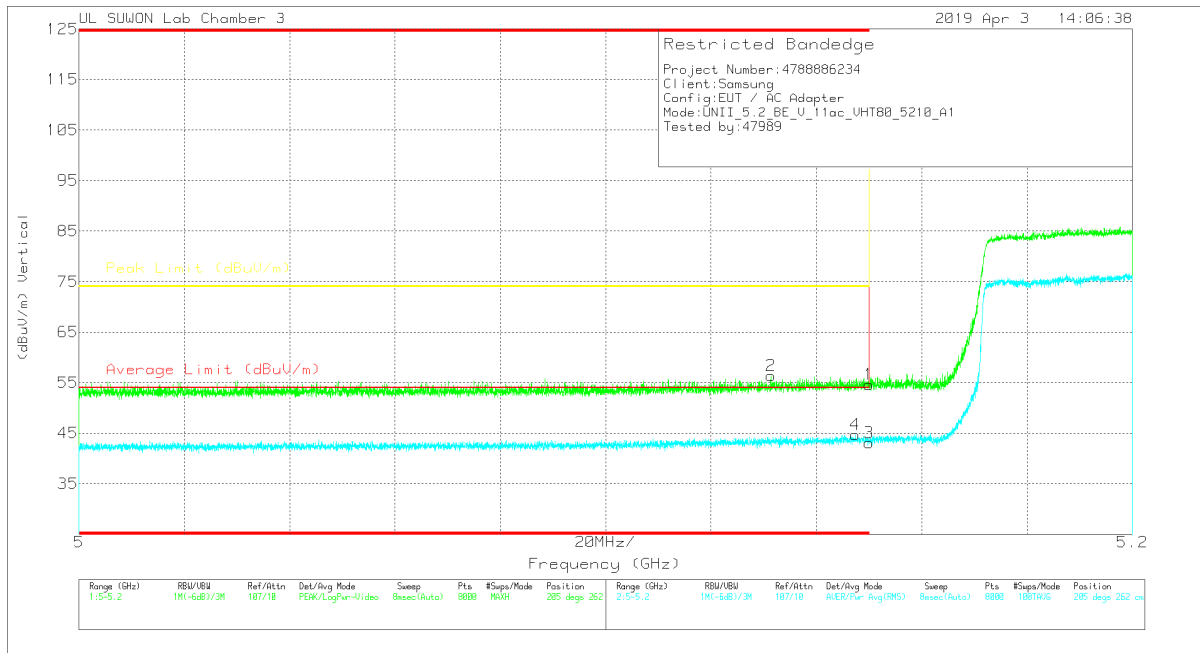
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.74	Pk	34.4	-19	0	54.14	-	-	74	-19.86	150	137	H
2	* 5.145	41.39	Pk	34.4	-19.1	0	56.69	-	-	74	-17.31	150	137	H
3	* 5.15	29.09	RMS	34.4	-19.4	0	44.09	54	-9.91	-	-	150	137	H
4	* 5.146	30.07	RMS	34.4	-19.4	0	45.07	54	-8.93	-	-	150	137	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_00205959	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	39.2	Pk	34.4	-19	0	54.6	-	-	74	-19.4	205	262	V
2	* 5.131	41.04	Pk	34.4	-19.1	0	56.34	-	-	74	-17.66	205	262	V
3	* 5.15	28.13	RMS	34.4	-19.4	0	43.13	54	-10.87	-	-	205	262	V
4	* 5.147	29.66	RMS	34.4	-19.4	0	44.66	54	-9.34	-	-	205	262	V

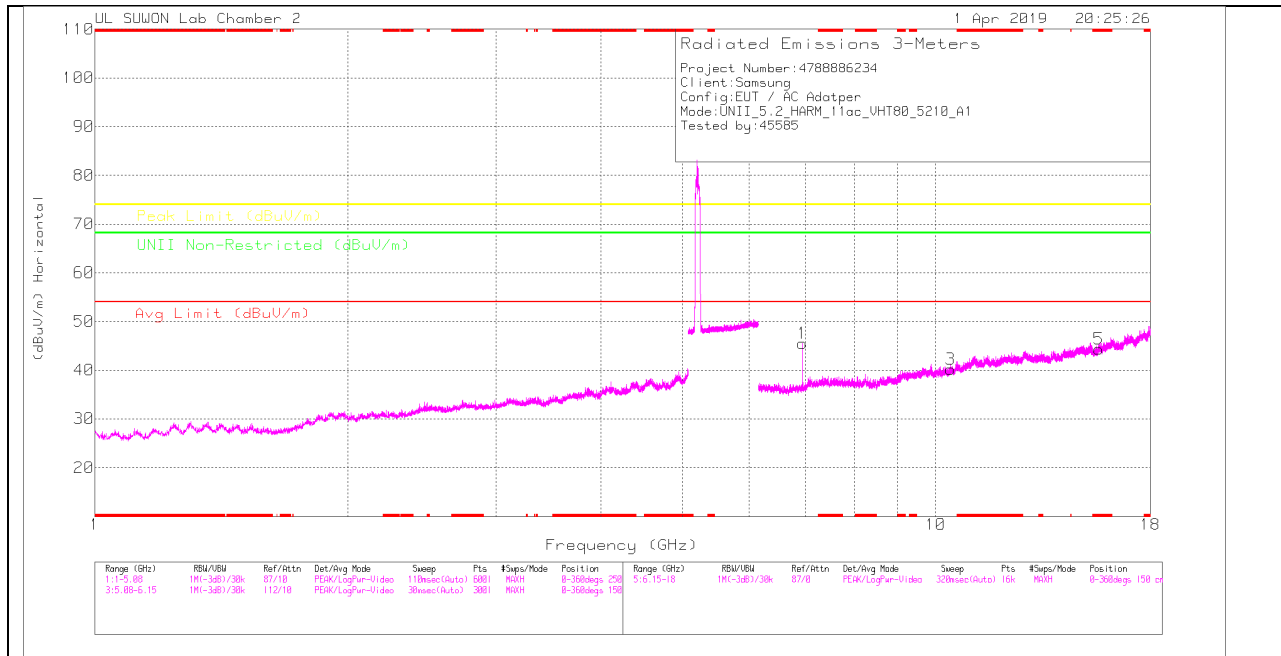
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

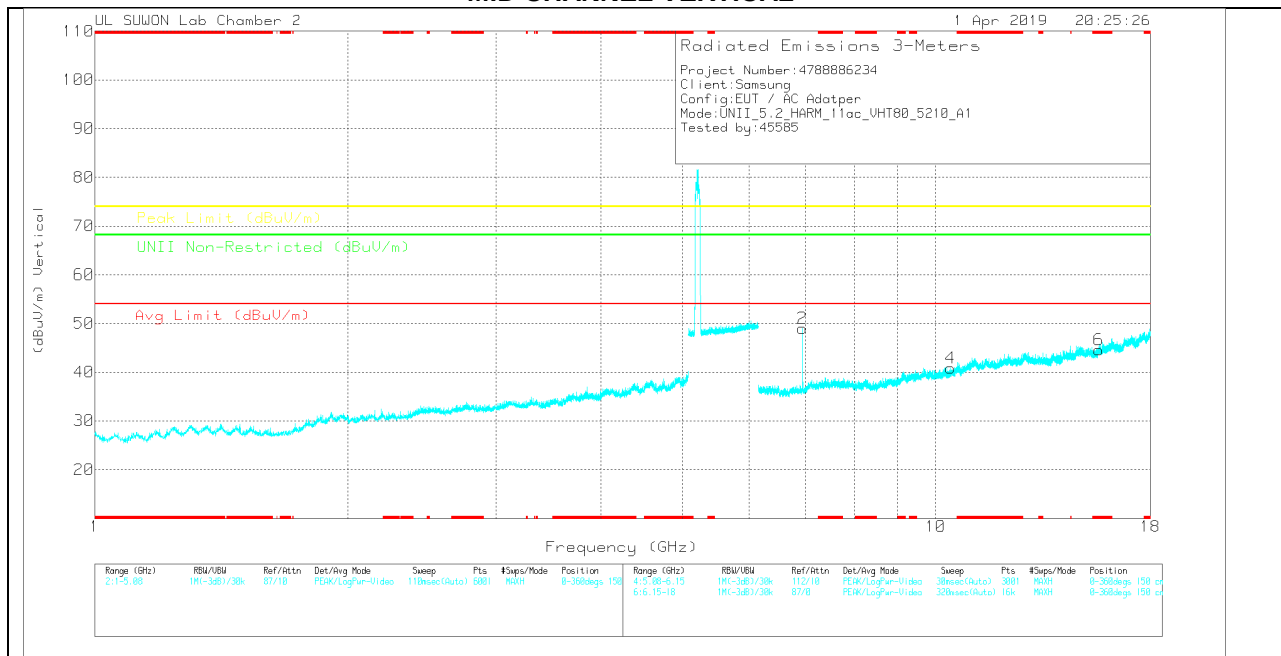
RMS - RMS detection

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.946	35.24	PK	35.7	-25.4	0	45.54	-	-	-	-	68.2	-22.66	0-360	150	H
3	10.419	23.46	PK	37.6	-20.9	0	40.16	-	-	-	-	68.2	-28.04	0-360	150	H
5	* 15.63	24.01	PK	40.1	-19.8	0	44.31	-	-	74	-29.69	-	-	0-360	250	H
2	6.946	38.73	PK	35.7	-25.4	0	49.03	-	-	-	-	68.2	-19.17	0-360	150	V
4	10.419	24.1	PK	37.6	-20.9	0	40.8	-	-	-	-	68.2	-27.4	0-360	150	V
6	* 15.631	24.41	PK	40.1	-19.9	0	44.61	-	-	74	-29.39	-	-	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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
6.946	40.99	PK-U	35.7	-25.4	0	51.29	-	-	-	-	68.2	-16.91	45	123	H
6.947	44.03	PK-U	35.7	-25.4	0	54.33	-	-	-	-	68.2	-13.87	173	108	V

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

11.1.12. TX ABOVE 1GHz 802.11ac VHT80 1Tx ANT2 IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

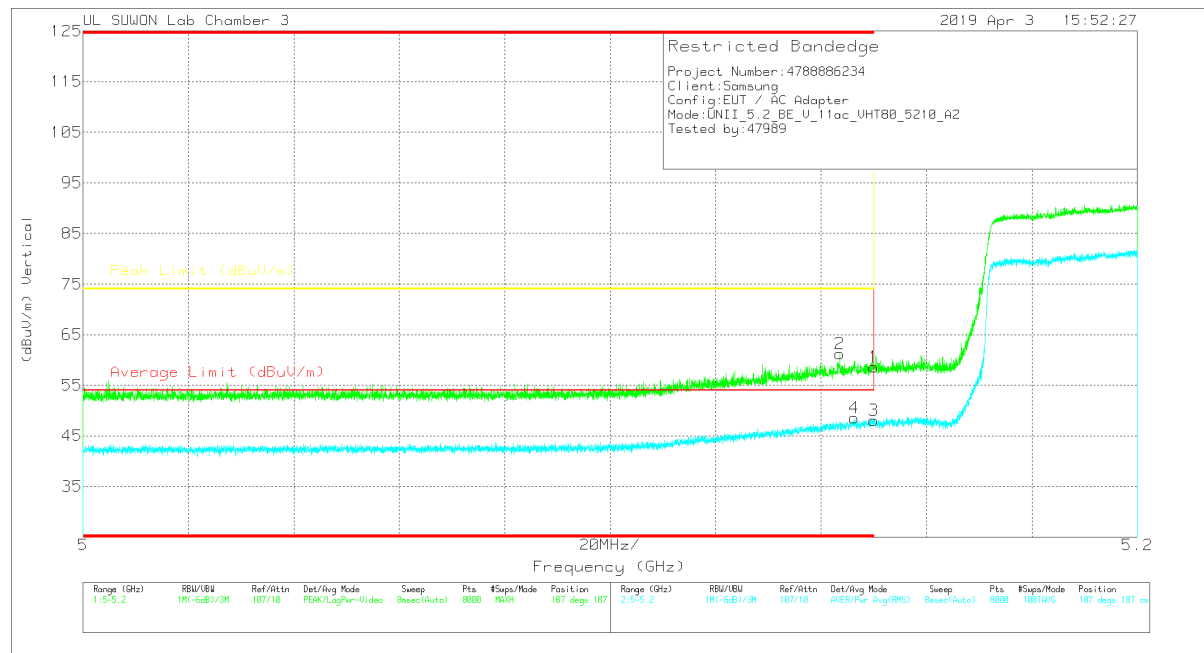
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.08	Pk		34.4	-19	54.48	-	-	74	-19.52	138	134	H
2	* 5.145	41.9	Pk		34.4	-19.1	57.2	-	-	74	-16.8	138	134	H
3	* 5.15	29.02	RMS		34.4	-19.4	44.02	54	-9.98	-	-	138	134	H
4	* 5.148	30.09	RMS		34.4	-19.4	45.09	54	-8.91	-	-	138	134	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_00205959	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	43.25	Pk	34.4	-19	0	58.65	-	-	74	-15.35	187	187	V
2	* 5.144	45.9	Pk	34.4	-19.1	0	61.2	-	-	74	-12.8	187	187	V
3	* 5.15	33.11	RMS	34.4	-19.4	0	48.11	54	-5.89	-	-	187	187	V
4	* 5.146	33.61	RMS	34.4	-19.4	0	48.61	54	-5.39	-	-	187	187	V

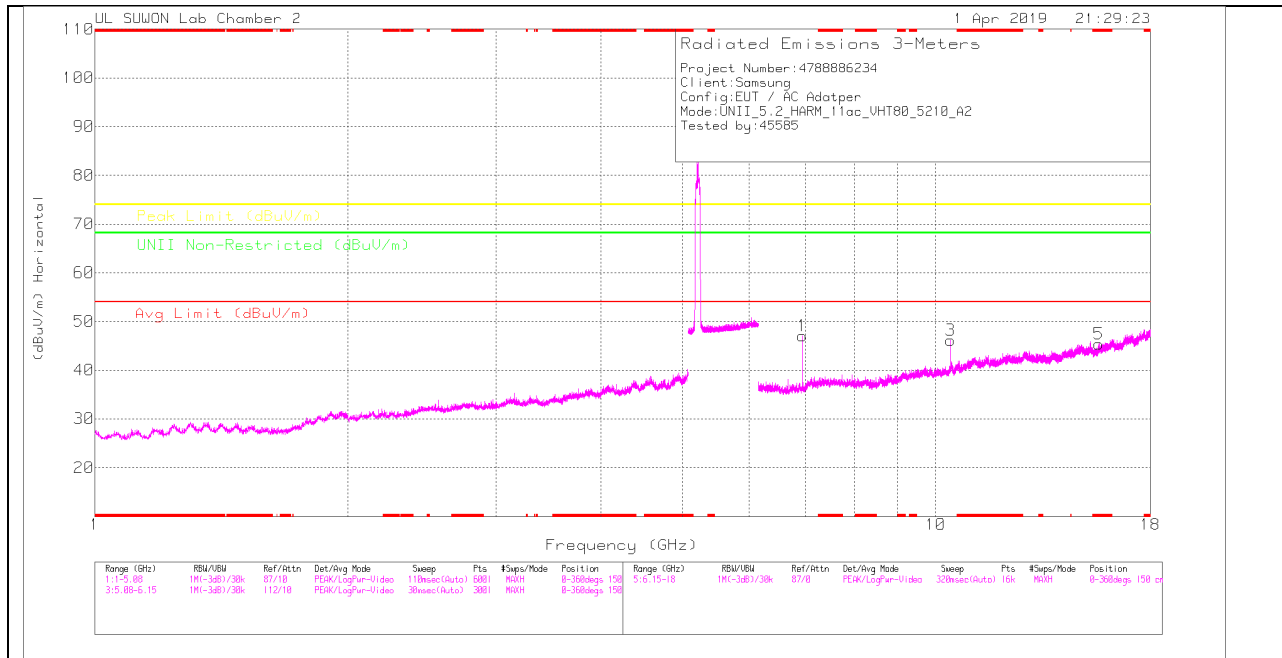
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

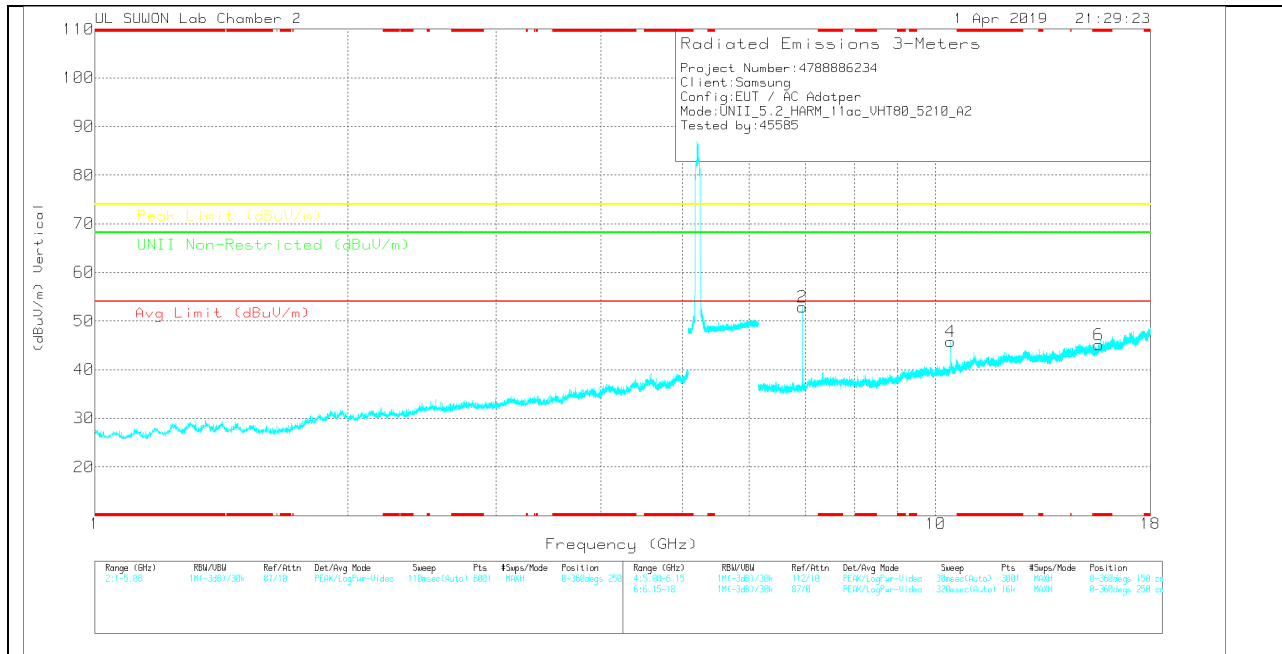
RMS - RMS detection

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_00108724	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)	Asimuth (Degs)	Height (cm)	Polarity
1	6.946	36.72	PK	35.7	-25.4	0	47.02	-	-	-	-	68.2	-21.18	0-360	150	H
3	10.42	29.45	PK	37.6	-20.9	0	46.15	-	-	-	-	68.2	-22.05	0-360	150	H
5	* 15.629	25.08	PK	40.1	-19.8	0	45.38	-	-	74	-28.62	-	-	0-360	150	H
2	6.946	42.6	PK	35.7	-25.4	0	52.9	-	-	-	-	68.2	-15.3	0-360	150	V
4	10.419	29.03	PK	37.6	-20.9	0	45.73	-	-	-	-	68.2	-22.47	0-360	150	V
6	* 15.632	24.95	PK	40.1	-19.9	0	45.15	-	-	74	-28.85	-	-	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_00108724	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)	Asimuth (Degs)	Height (cm)	Polarity
6.947	41.81	PK-U	35.7	-25.4	0	52.11	-	-	-	-	68.2	-16.09	173	144	H
6.947	45.59	PK-U	35.7	-25.4	0	55.89	-	-	-	-	68.2	-12.31	198	141	V
10.42	38.55	PK-U	37.6	-20.9	0	55.25	-	-	-	-	68.2	-12.95	221	222	H
10.42	37.56	PK-U	37.6	-20.9	0	54.26	-	-	-	-	68.2	-13.94	159	184	V

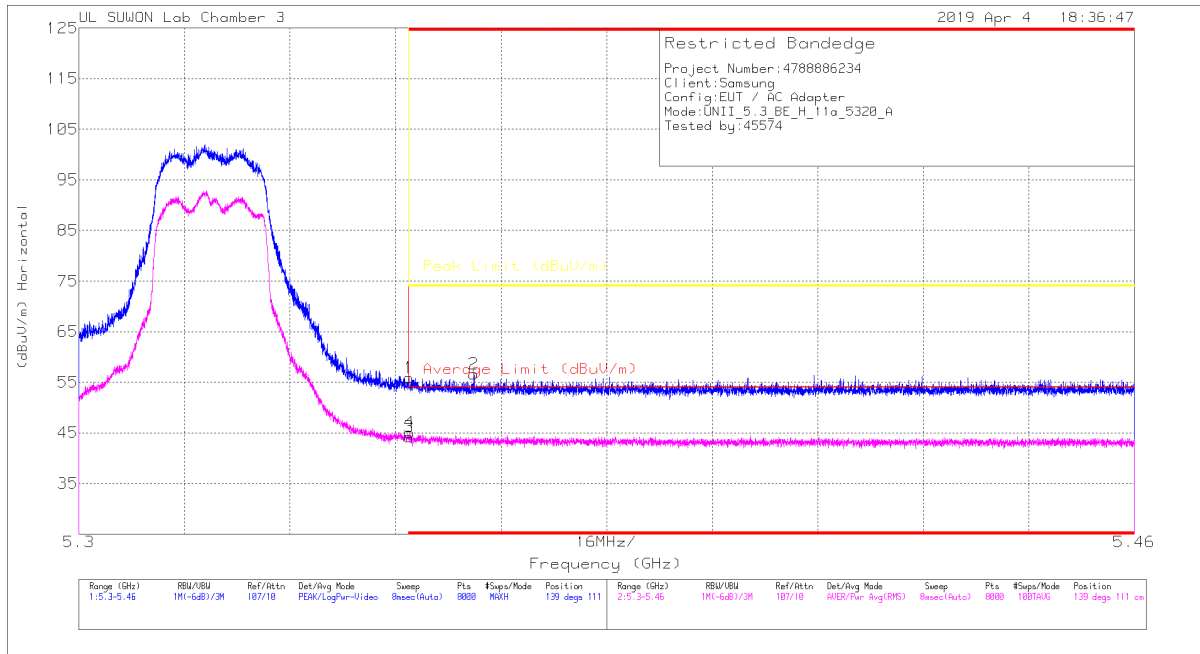
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

11.2. 5.3 GHz

11.2.1. TX ABOVE 1 GHz 802.11a 2Tx CDD MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

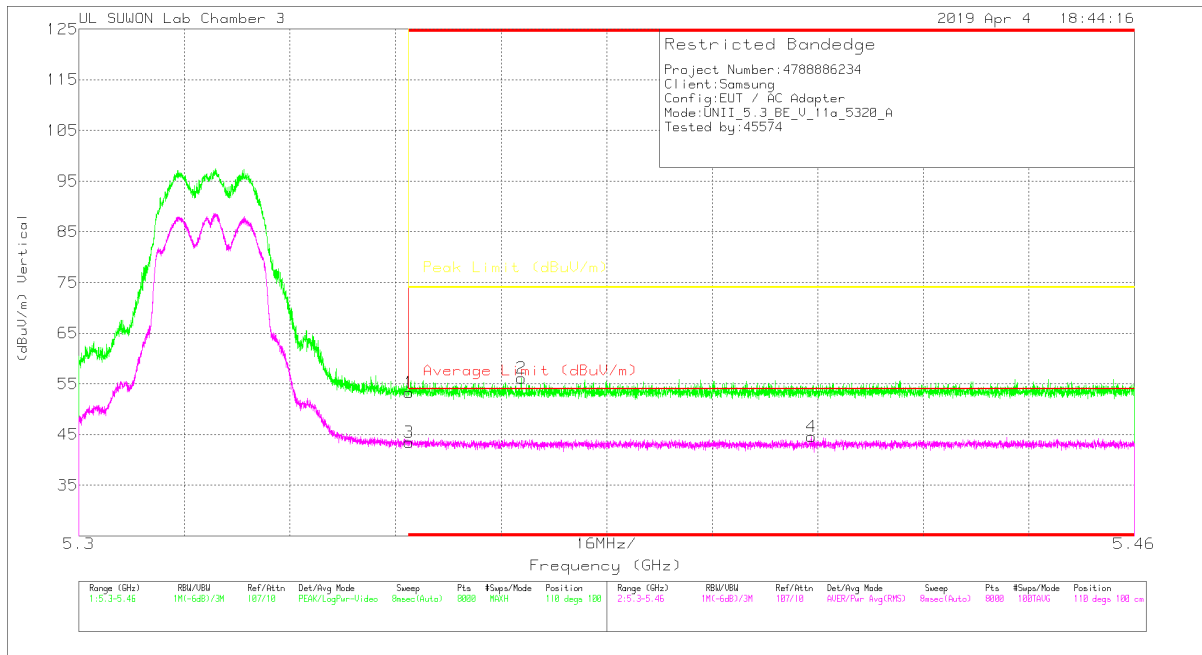
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.93	Pk	34.7	-18.7	0	55.93	-	-	74	-18.07	139	111	H
2	* 5.36	40.65	Pk	34.7	-18.7	0	56.65	-	-	74	-17.35	139	111	H
3	* 5.35	28.63	RMS	34.7	-19.1	0	44.23	54	-9.77	-	-	139	111	H
4	* 5.35	29.45	RMS	34.7	-19.1	0	45.05	54	-8.95	-	-	139	111	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_00205959	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	* 5.35	37.26	Pk	34.7	-18.7	0	53.26	-	-	74	-20.74	110	100	V
2	* 5.367	40.18	Pk	34.7	-18.8	0	56.08	-	-	74	-17.92	110	100	V
3	* 5.35	27.87	RMS	34.7	-19.1	0	43.47	54	-10.53	-	-	110	100	V
4	* 5.411	28.87	RMS	34.7	-19	0	44.57	54	-9.43	-	-	110	100	V

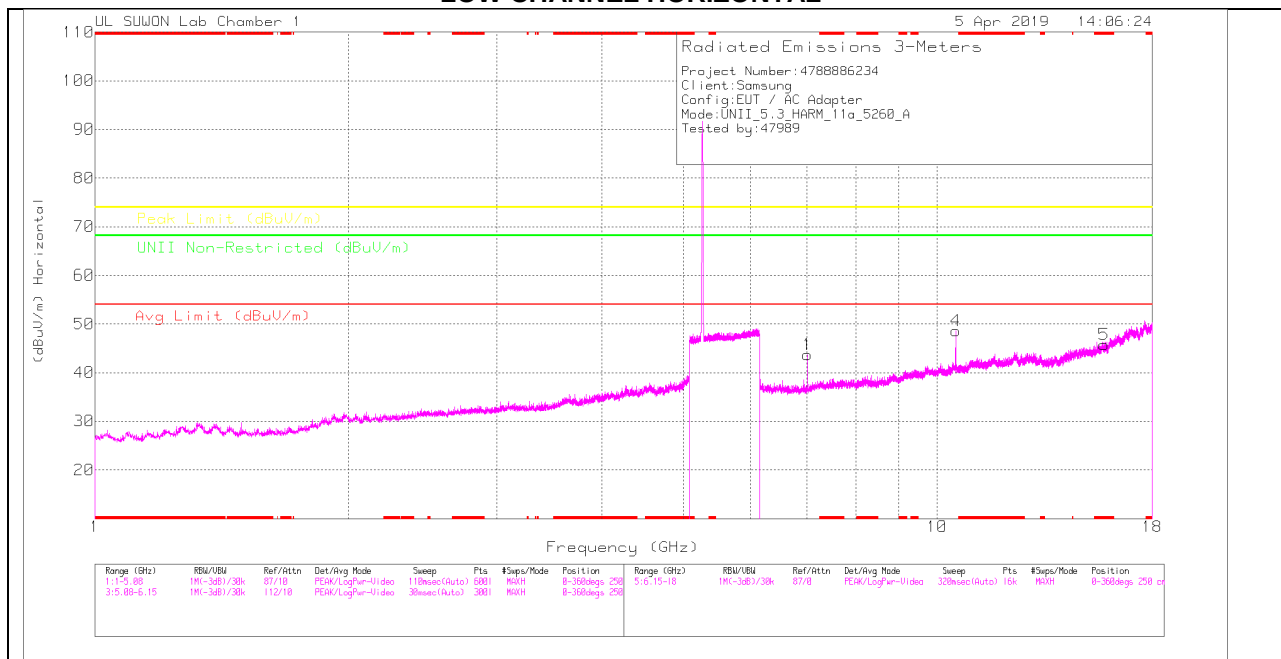
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

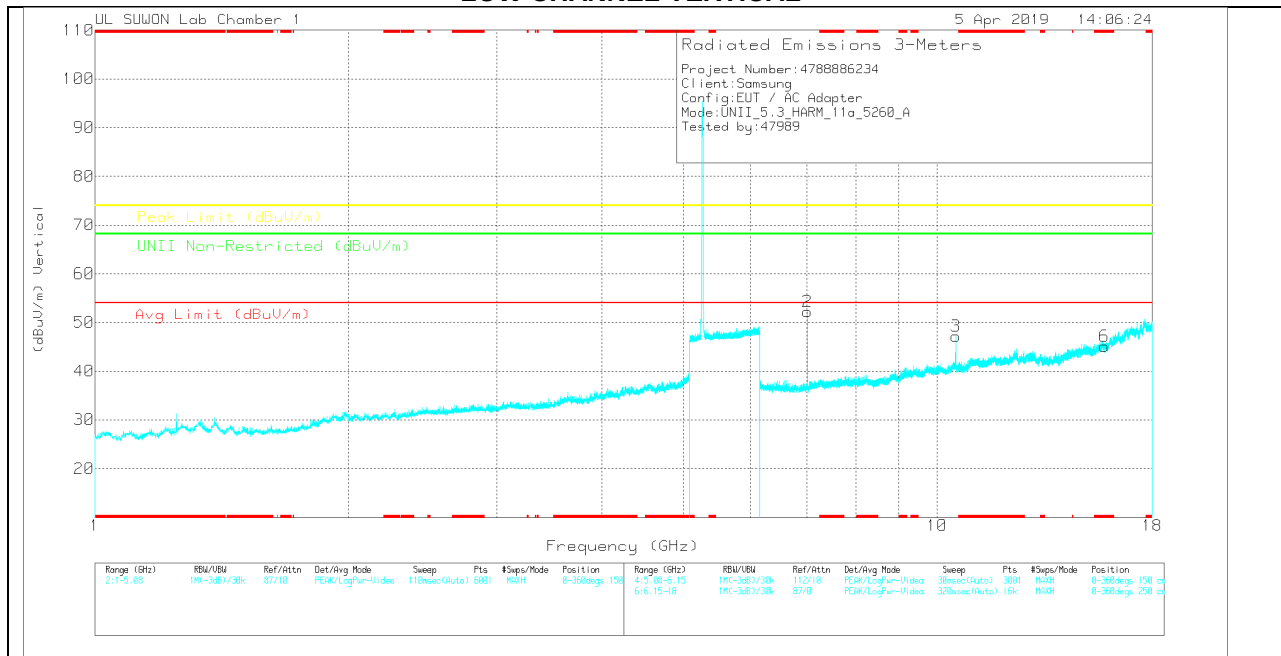
RMS - RMS detection

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_00108717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	7.013	35.89	PK	35.7	-27.9	0	43.69	-	-	-	-	68.2	-24.51	0-360	250	H
4	10.52	33.52	PK	37.7	-22.6	0	48.62	-	-	-	-	68.2	-19.58	0-360	250	H
5	* 15.778	26.43	PK	40.5	-21.2	0	45.73	-	-	74	-28.27	-	-	0-360	250	H
2	7.013	44.4	PK	35.7	-27.9	0	52.2	-	-	-	-	68.2	-16	0-360	150	V
3	10.52	32.09	PK	37.7	-22.6	0	47.19	-	-	-	-	68.2	-21.01	0-360	150	V
6	* 15.781	25.86	PK	40.5	-21.2	0	45.16	-	-	74	-28.84	-	-	0-360	250	V

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

PK – Peak Detector

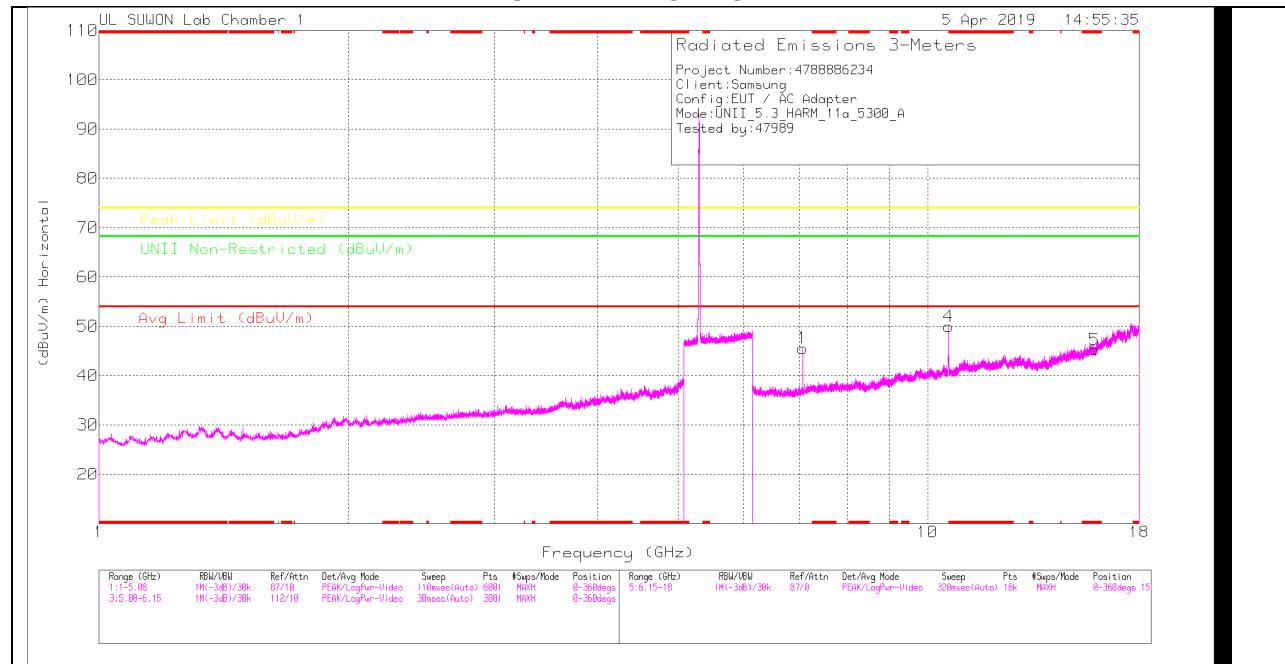
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00108717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
7.013	42.65	PK-U	35.7	-27.9	0	50.45	-	-	-	-	68.2	-17.75	213	201	H
7.013	47.54	PK-U	35.7	-27.9	0	55.34	-	-	-	-	68.2	-12.86	177	120	V
10.52	42.15	PK-U	37.7	-22.6	0	57.25	-	-	-	-	68.2	-10.95	155	148	V
10.52	44.53	PK-U	37.7	-22.6	0	59.63	-	-	-	-	68.2	-8.57	216	226	H

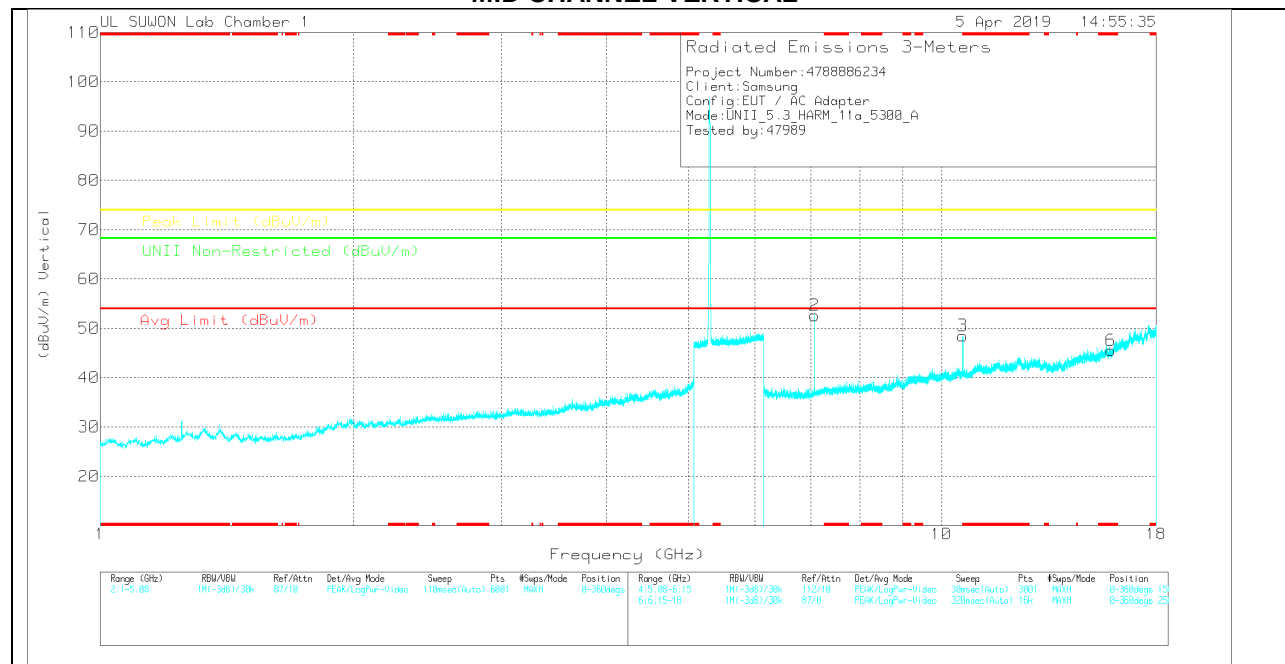
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_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)	Asimuth (Degs)	Height (cm)	Polarity
1	7.066	37.59	PK	35.8	-27.8	0	45.59	-	-	-	-	68.2	-22.61	0-360	250	H
4	10.599	34.46	PK	37.8	-22.3	0	49.96	-	-	-	-	68.2	-18.24	0-360	150	H
5	* 15.899	25.87	PK	40.6	-21.2	0	45.27	-	-	74	-28.73	-	-	0-360	150	H
2	7.066	44.62	PK	35.8	-27.8	0	52.62	-	-	-	-	68.2	-15.58	0-360	150	V
3	10.599	32.99	PK	37.8	-22.3	0	48.49	-	-	-	-	68.2	-19.71	0-360	150	V
6	* 15.898	26.1	PK	40.6	-21.2	0	45.5	-	-	74	-28.5	-	-	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

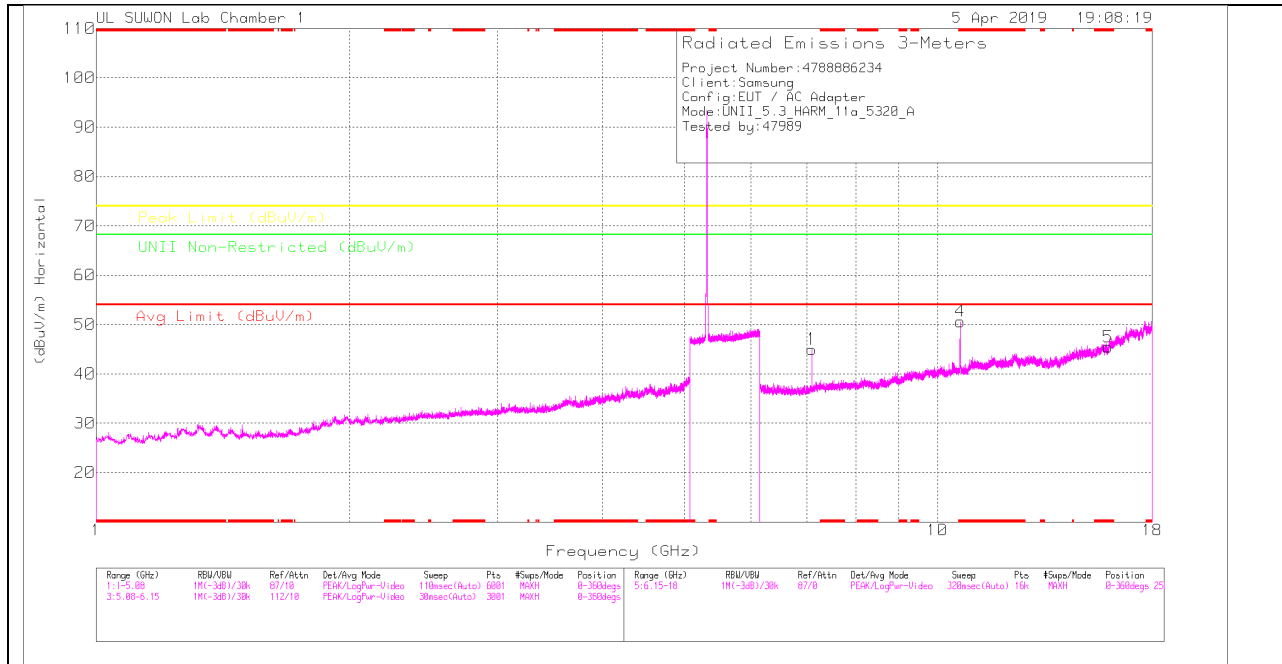
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
7.067	44.05	PK-U	35.8	-27.8	0	52.05	-	-	-	-	68.2	-16.15	216	175	H
7.067	47.39	PK-U	35.8	-27.8	0	55.39	-	-	-	-	68.2	-12.81	180	156	V
* 10.6	44.43	PK-U	37.8	-22.3	0	59.93	-	-	74	-14.07	-	-	182	132	H
* 10.6	34.06	ADR	37.8	-22.3	0	49.56	54	-4.44	-	-	-	-	182	132	H
* 10.6	42.56	PK-U	37.8	-22.3	0	58.06	-	-	74	-15.94	-	-	157	140	V
* 10.6	32.43	ADR	37.8	-22.3	0	47.93	54	-6.07	-	-	-	-	157	140	V

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

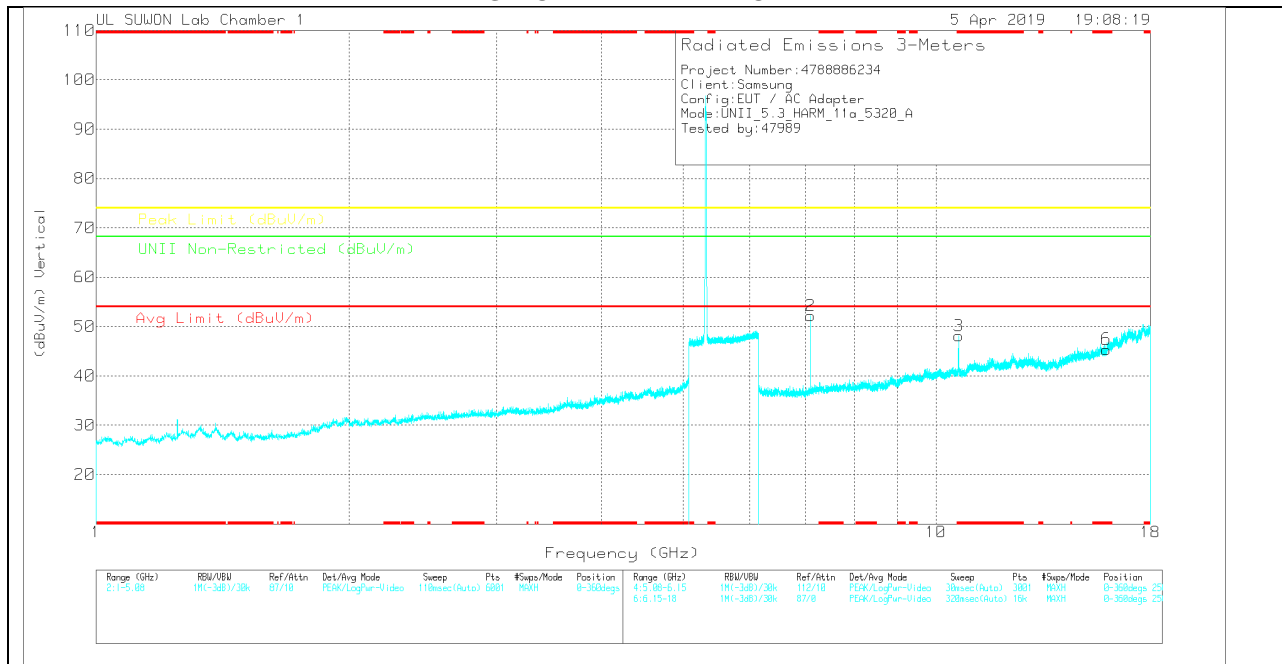
PK-U - U-NII: Maximum Peak

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_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UHF Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	7.093	36.87	PK	35.8	-27.7	0	44.97	-	-	-	-	68.2	-23.23	0-360	250	H
4	* 10.639	34.91	PK	37.8	-22.1	0	50.61	-	-	74	-23.39	-	-	0-360	150	H
5	* 15.96	25.55	PK	40.7	-20.8	0	45.45	-	-	74	-28.55	-	-	0-360	150	H
2	7.093	44.09	PK	35.8	-27.7	0	52.19	-	-	-	-	68.2	-16.01	0-360	150	V
3	* 10.64	32.41	PK	37.8	-22.1	0	48.11	-	-	74	-25.89	-	-	0-360	150	V
6	* 15.96	25.56	PK	40.7	-20.9	0	45.36	-	-	74	-28.64	-	-	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)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UHF Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
7.093	42.59	PK-U	35.8	-27.7	0	50.69	-	-	-	-	68.2	-17.51	213	188	H
7.093	47	PK-U	35.8	-27.7	0	55.1	-	-	-	-	68.2	-13.1	179	133	V
* 10.64	43.12	PK-U	37.8	-22.1	0	58.82	-	-	74	-15.18	-	-	153	145	V
* 10.64	32.84	ADR	37.8	-22.1	0	48.54	54	-5.46	-	-	-	-	153	145	V
* 10.64	44.27	PK-U	37.8	-22.1	0	59.97	-	-	74	-14.03	-	-	174	124	H
* 10.64	33.52	ADR	37.8	-22.1	0	49.22	54	-4.78	-	-	-	-	174	124	H

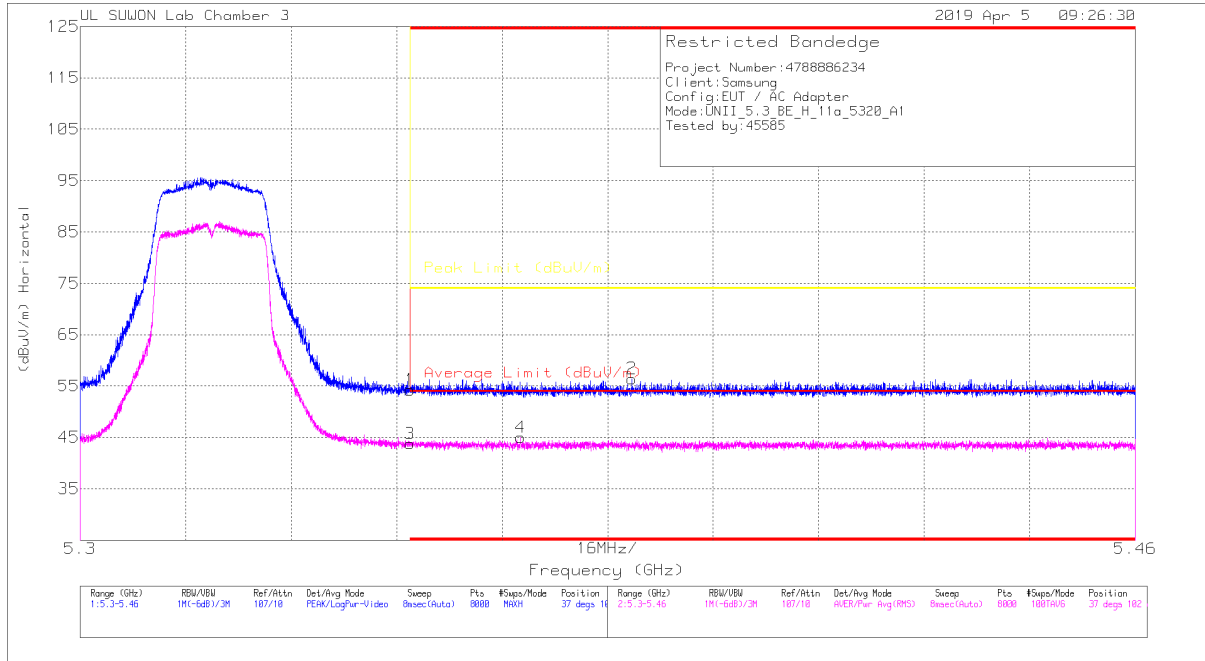
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

11.2.2.TX ABOVE 1 GHz 802.11a 1Tx ANT1 IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

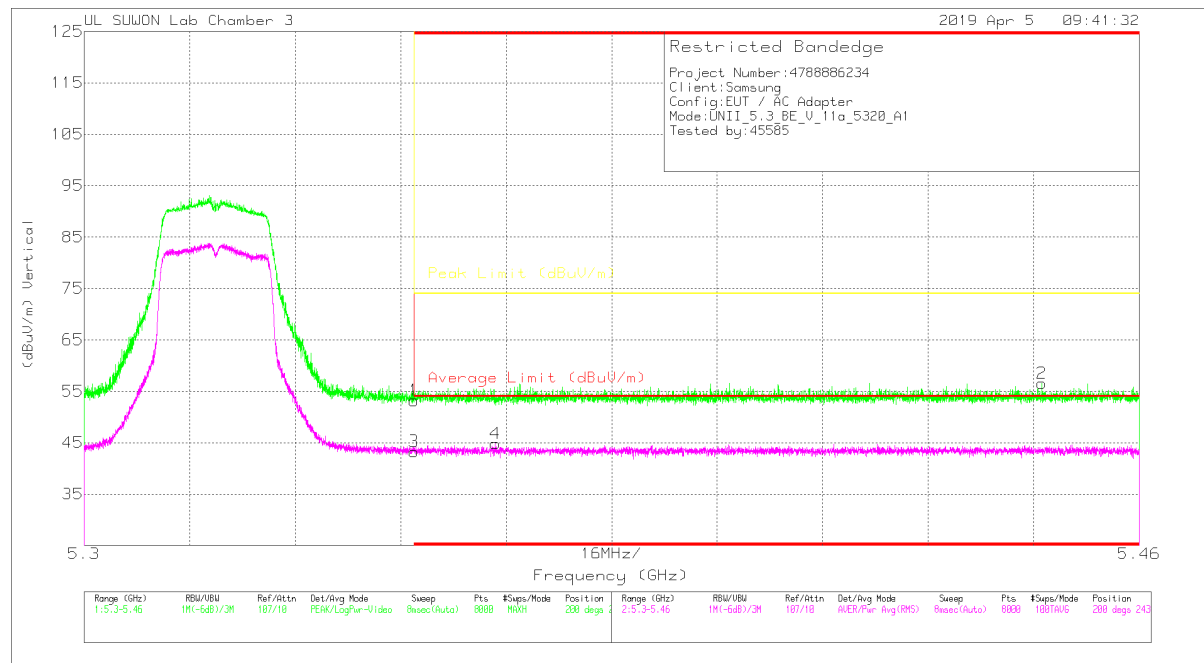
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.25	Pk		-18.7	0	54.25	-	-	74	-19.75	37	102	H
2	* 5.384	40.42	Pk		-18.7	0	56.42	-	-	74	-17.58	37	102	H
3	* 5.35	28.19	RMS		-19.1	0	43.79	54	-10.21	-	-	37	102	H
4	* 5.367	29.4	RMS		-19.1	0	45	54	-9	-	-	37	102	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_00205959	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	* 5.35	37.21	Pk	34.7	-18.7	0	53.21	-	-	74	-20.79	200	243	V
2	* 5.445	40.36	Pk	34.7	-18.5	0	56.56	-	-	74	-17.44	200	243	V
3	* 5.35	27.67	RMS	34.7	-19.1	0	43.27	54	-10.73	-	-	200	243	V
4	* 5.362	29.24	RMS	34.7	-19.1	0	44.84	54	-9.16	-	-	200	243	V

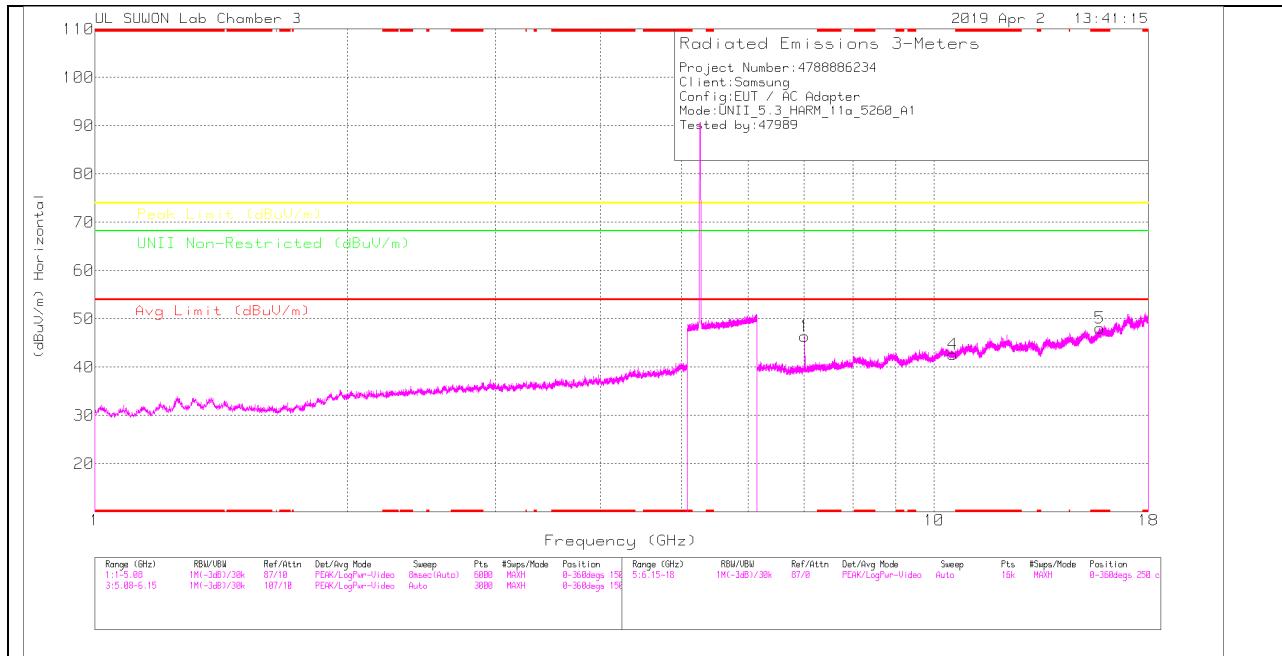
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

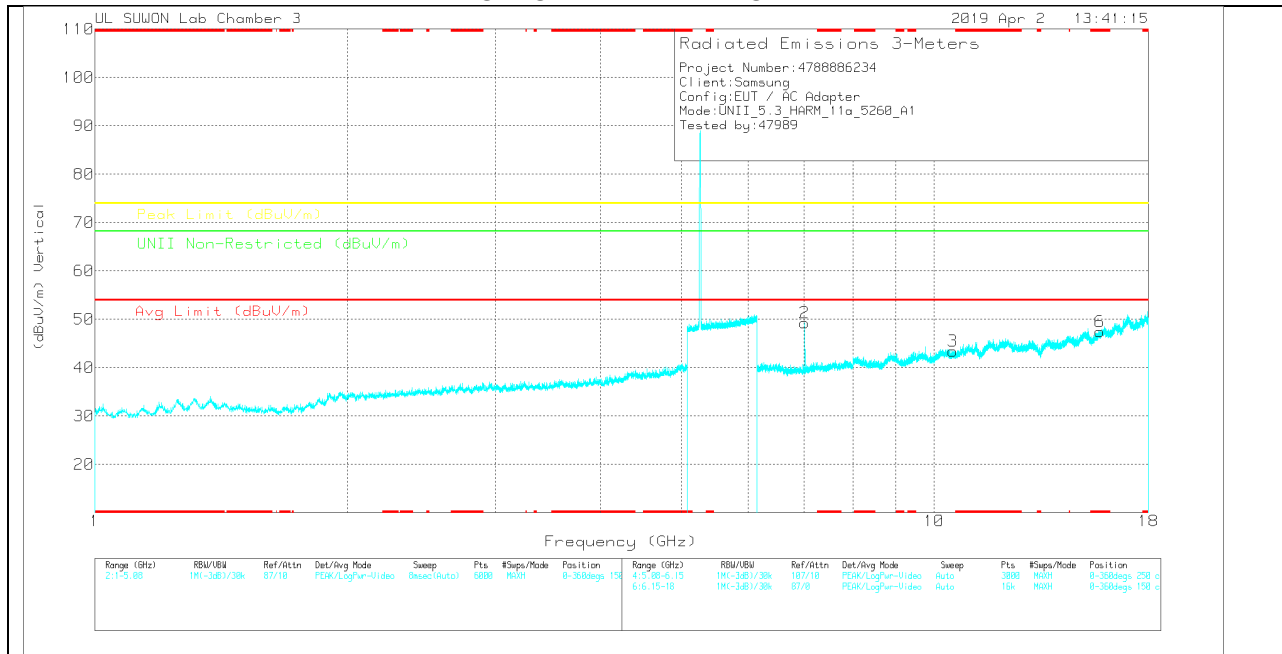
RMS - RMS detection

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_0020959	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.013	34.99	PK	35.7	-24.3	0	46.39	-	-	-	-	68.2	-21.81	0-360	150	H
4	10.527	24.16	PK	37.7	-19.2	0	42.66	-	-	-	-	68.2	-25.54	0-360	150	H
5	* 15.762	26.63	PK	40.5	-19	0	48.13	-	-	74	-25.87	-	-	0-360	150	H
2	7.013	37.89	PK	35.7	-24.3	0	49.29	-	-	-	-	68.2	-18.91	0-360	150	V
3	10.518	24.96	PK	37.7	-19.2	0	43.46	-	-	-	-	68.2	-24.74	0-360	150	V
6	* 15.761	26.06	PK	40.5	-19.1	0	47.46	-	-	74	-26.54	-	-	0-360	250	V

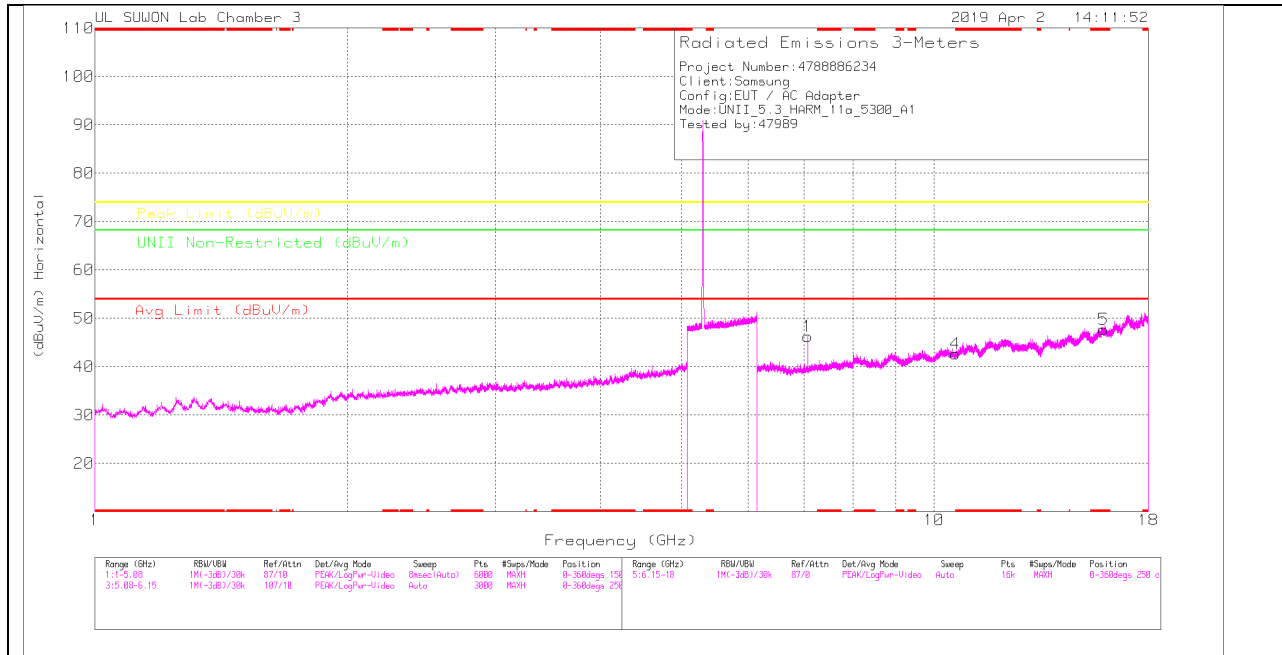
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak detector

Radiated Emissions

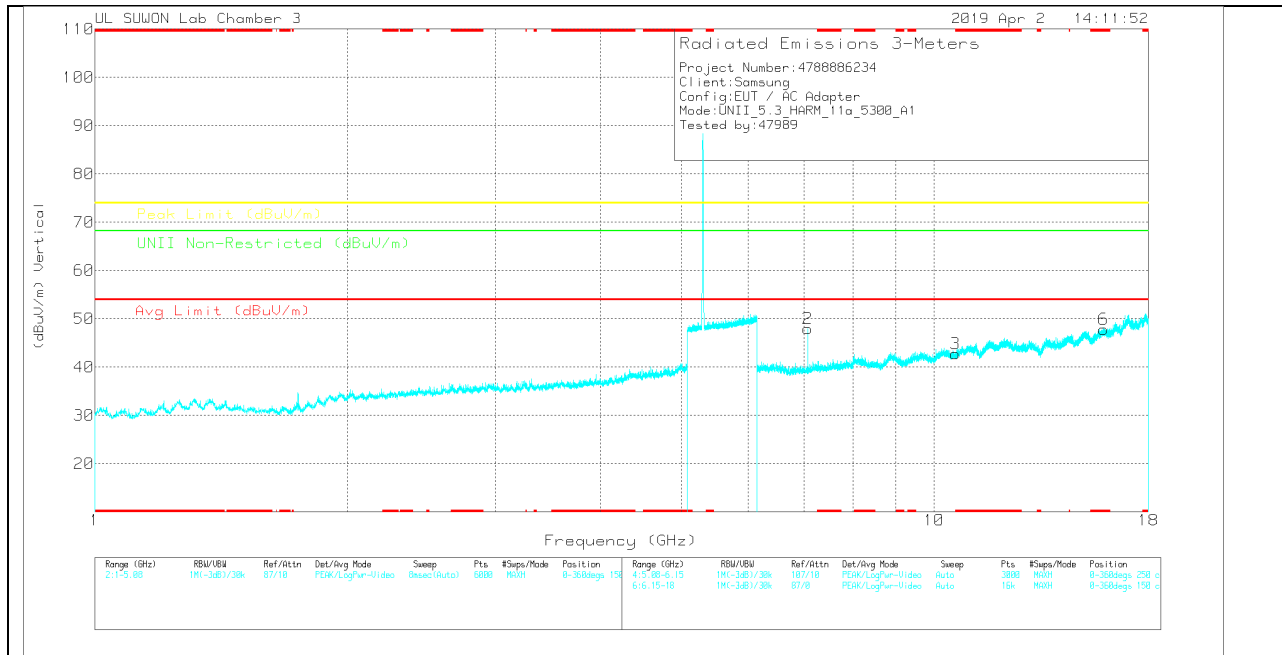
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0020959	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.013	41.47	PK-U	35.7	-24.3	0	52.87	-	-	-	-	68.2	-15.33	107	103	H
7.013	43.67	PK-U	35.7	-24.3	0	55.07	-	-	-	-	68.2	-13.13	165	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_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unl Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.066	34.84	PK	35.8	-24.3	0	46.34	-	-	-	-	68.2	-21.86	0-360	150	H
4	10.59	24.2	PK	37.8	-19.3	0	42.7	-	-	-	-	68.2	-25.5	0-360	250	H
5	* 15.925	25.75	PK	40.6	-18.6	0	47.75	-	-	74	-26.25	-	-	0-360	150	H
2	7.066	36.49	PK	35.8	-24.3	0	47.99	-	-	-	-	68.2	-20.21	0-360	150	V
3	10.59	24.25	PK	37.8	-19.3	0	42.75	-	-	-	-	68.2	-25.45	0-360	150	V
6	* 15.912	25.81	PK	40.6	-18.6	0	47.81	-	-	74	-26.19	-	-	0-360	150	V

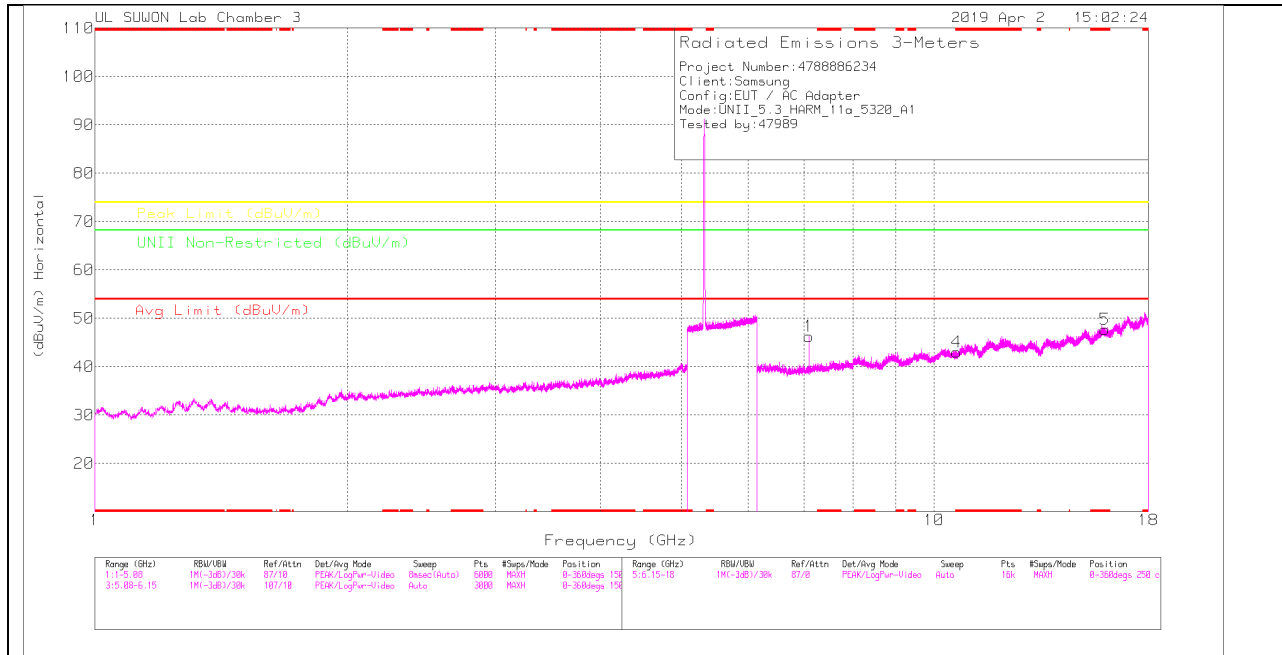
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak detector

Radiated Emissions

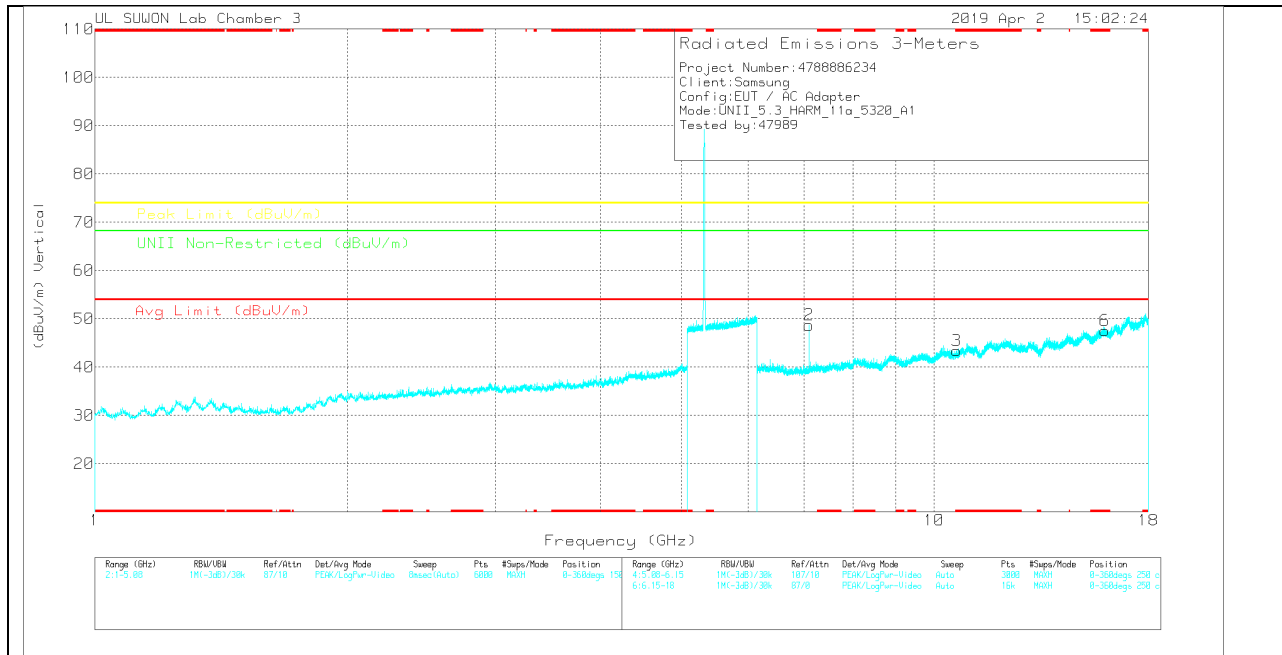
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unl Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.067	41.89	PK-U	35.8	-24.3	0	53.39	-	-	-	-	68.2	-14.81	113	103	H
7.067	42.77	PK-U	35.8	-24.3	0	54.27	-	-	-	-	68.2	-13.93	174	126	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_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.093	34.84	PK	35.8	-24.4	0	46.24	-	-	-	-	68.2	-21.96	0-360	150	H
4	*10.638	24.48	PK	37.8	-19.3	0	42.98	-	-	74	-31.02	-	-	0-360	250	H
5	*15.969	25.77	PK	40.7	-18.7	0	47.77	-	-	74	-26.23	-	-	0-360	150	H
2	7.093	37.29	PK	35.8	-24.4	0	48.69	-	-	-	-	68.2	-19.51	0-360	150	V
3	*10.633	24.78	PK	37.8	-19.2	0	43.38	-	-	74	-30.62	-	-	0-360	150	V
6	*15.963	25.54	PK	40.7	-18.6	0	47.64	-	-	74	-26.36	-	-	0-360	150	V

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

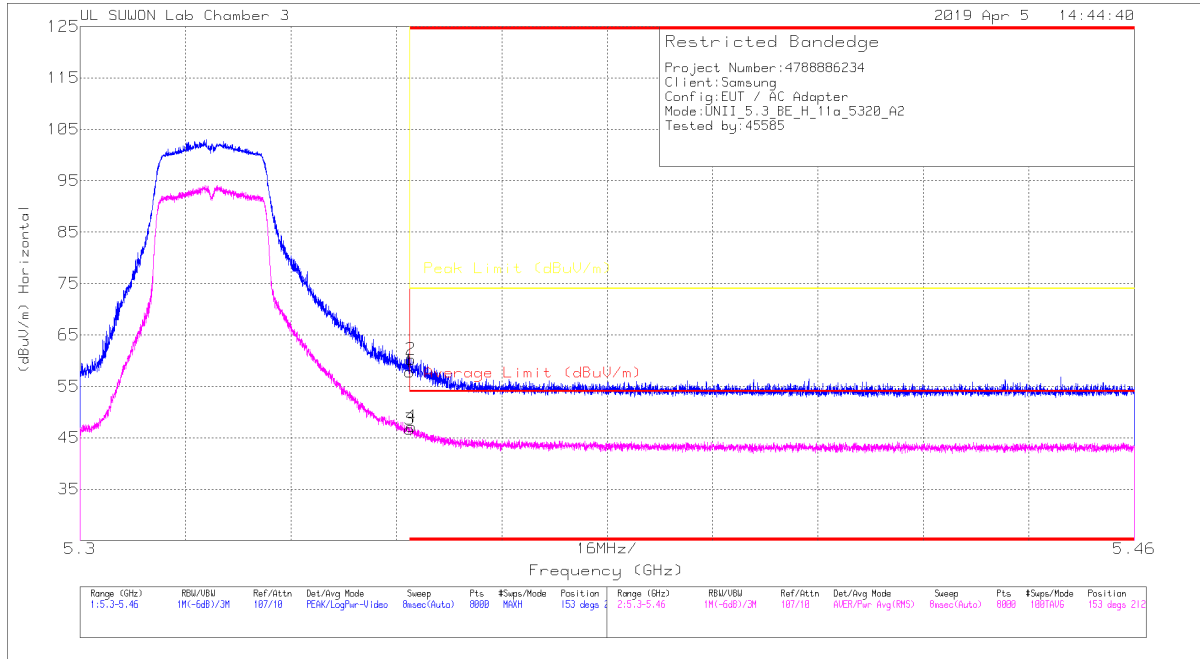
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.093	40.05	PK-U	35.8	-24.4	0	51.45	-	-	-	-	68.2	-16.75	20	116	H
7.093	43.25	PK-U	35.8	-24.4	0	54.65	-	-	-	-	68.2	-13.55	175	101	V

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

11.2.3.TX ABOVE 1 GHz 802.11a 1Tx ANT2 IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

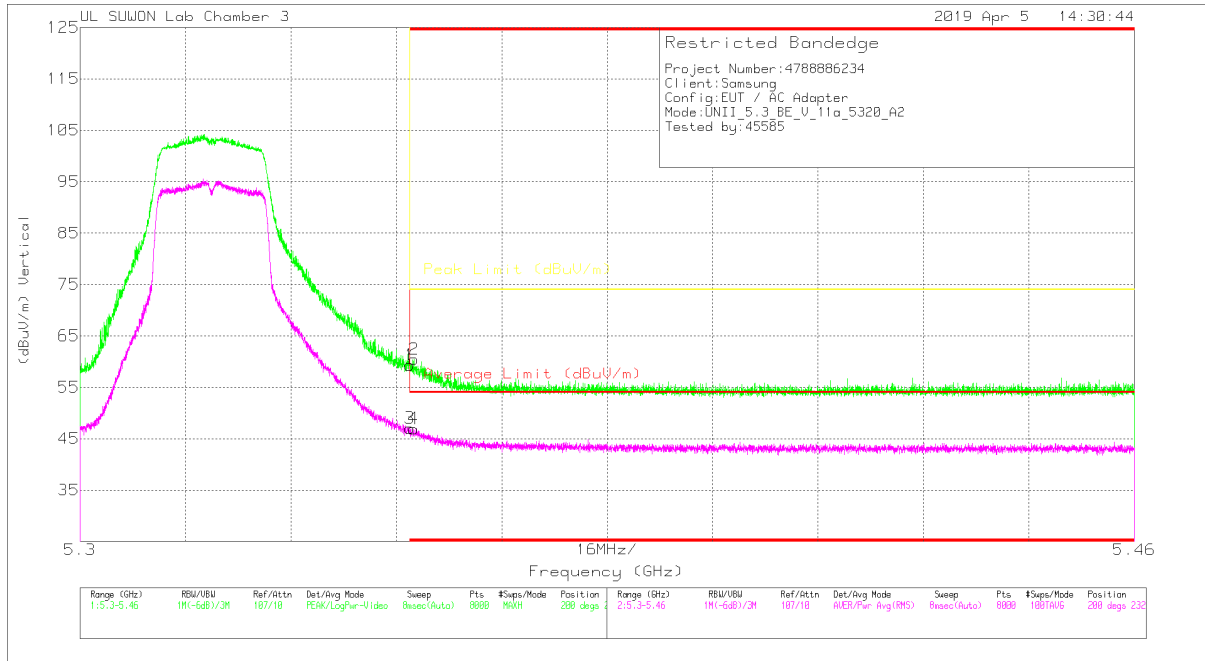
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	41.81	Pk	34.7	-18.7	0	57.81	-	-	74	-16.19	153	212	H
2	* 5.35	44.26	Pk	34.7	-18.7	0	60.26	-	-	74	-13.74	153	212	H
3	* 5.35	31.07	RMS	34.7	-19.1	0	46.67	54	-7.33	-	-	153	212	H
4	* 5.35	31.6	RMS	34.7	-19.1	0	47.2	54	-6.8	-	-	153	212	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_00205959	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	* 5.35	43.33	Pk		-18.7	0	59.33	-	-	74	-14.67	200	232	V
2	* 5.351	44.46	Pk		-18.7	0	60.46	-	-	74	-13.54	200	232	V
3	* 5.35	31.45	RMS		-19.1	0	47.05	54	-6.95	-	-	200	232	V
4	* 5.351	31.35	RMS		-19.1	0	46.95	54	-7.05	-	-	200	232	V

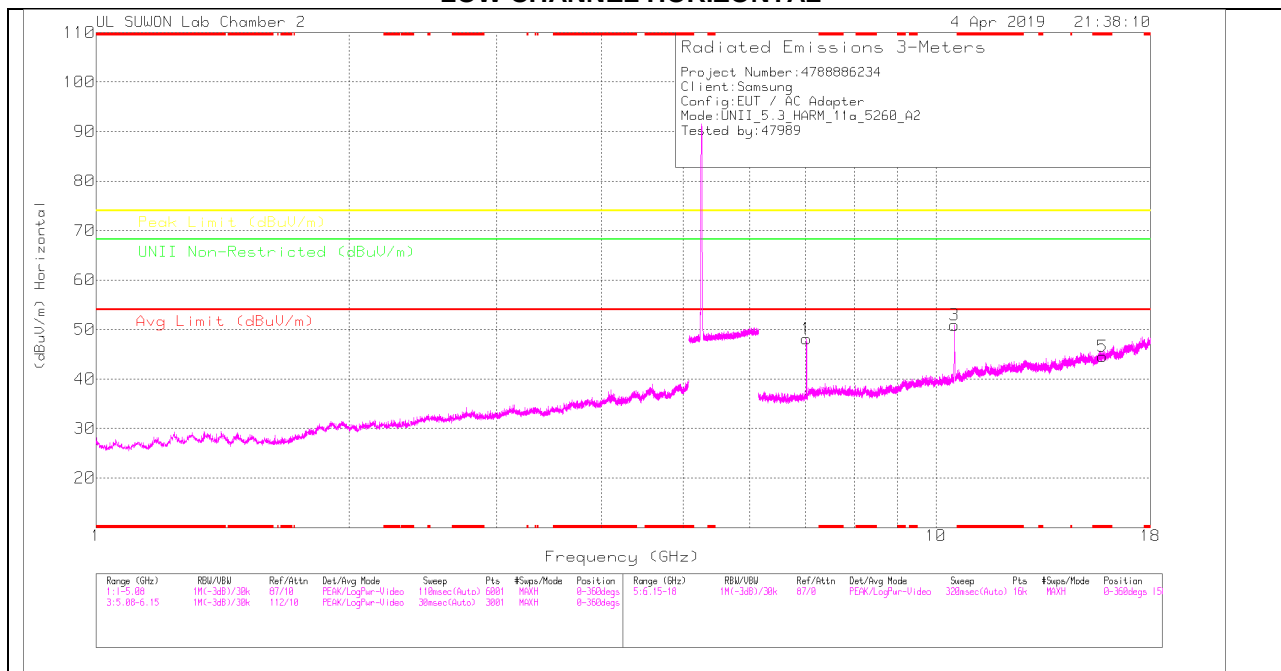
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

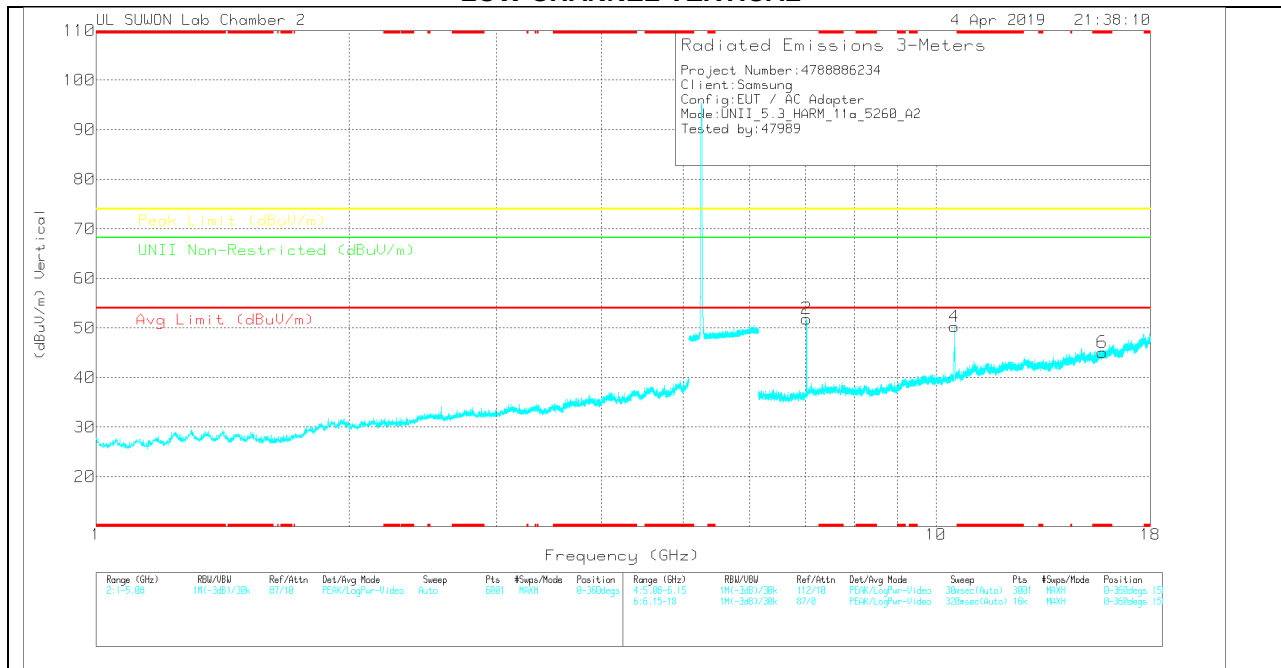
RMS - RMS detection

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_00168734	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.013	37.83	PK	35.8	-25.5	0	48.13	-	-	-	-	68.2	-20.07	0-360	150	H
3	10.52	33.88	PK	37.7	-20.7	0	50.88	-	-	-	-	68.2	-17.32	0-360	150	H
5	* 15.781	24.14	PK	40.3	-19.9	0	44.54	-	-	74	-29.46	-	-	0-360	250	H
2	7.013	41.58	PK	35.8	-25.5	0	51.88	-	-	-	-	68.2	-16.32	0-360	250	V
4	10.516	33.29	PK	37.7	-20.7	0	50.29	-	-	-	-	68.2	-17.91	0-360	250	V
6	* 15.779	24.69	PK	40.3	-19.9	0	45.09	-	-	74	-28.91	-	-	0-360	250	V

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

PK – Peak Detector

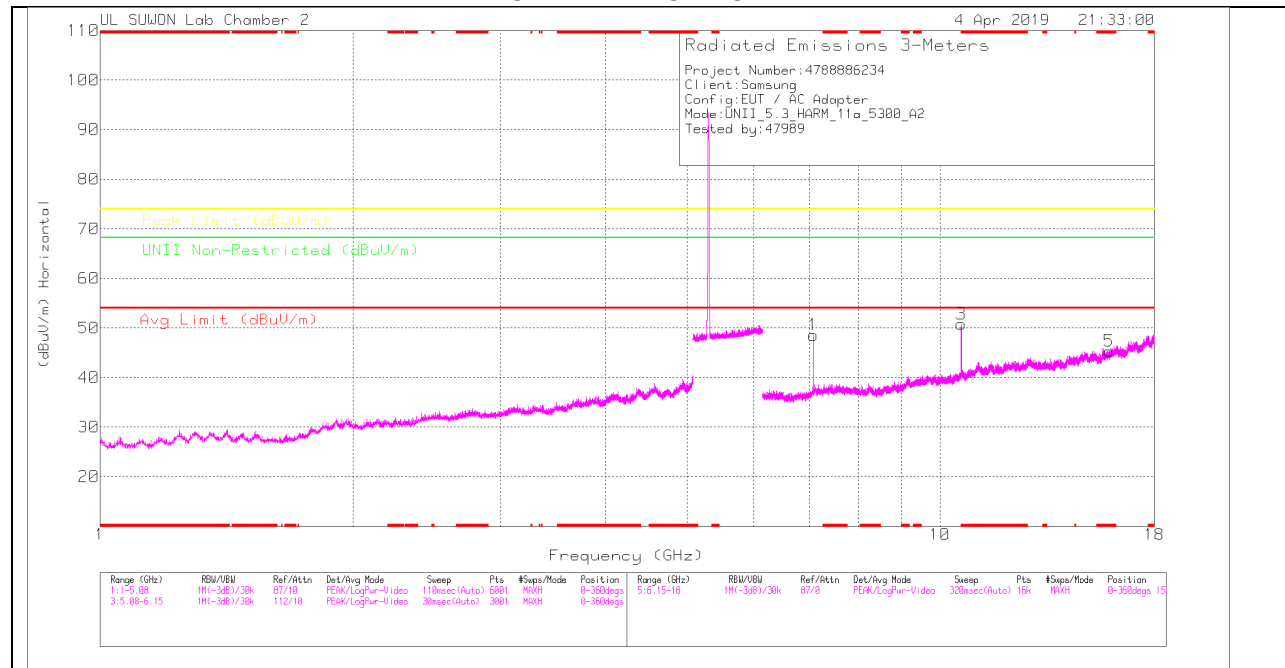
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.013	42.24	PK-U	35.8	-25.5	0	52.54	-	-	-	-	68.2	-15.66	205	180	H
7.013	44.37	PK-U	35.8	-25.5	0	54.67	-	-	-	-	68.2	-13.53	185	172	V
10.52	44.35	PK-U	37.7	-20.7	0	61.35	-	-	-	-	68.2	-6.85	177	179	H
10.52	41.72	PK-U	37.7	-20.7	0	58.72	-	-	-	-	68.2	-9.48	164	208	V

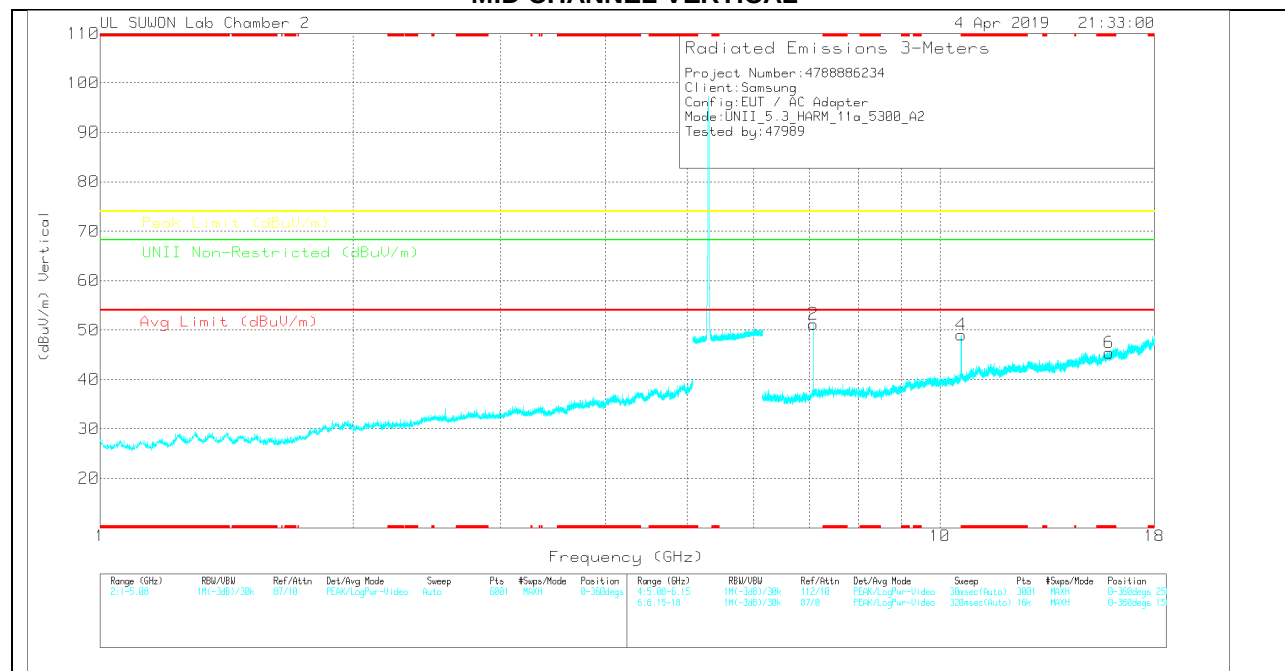
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.066	36.89	PK	35.9	-24.2	0	48.59	-	-	-	-	68.2	-19.61	0-360	150	H
3	* 10.6	32.69	PK	37.8	-19.7	0	50.79	-	-	74	-23.21	-	-	0-360	250	H
5	* 15.906	24.31	PK	40.5	-19.5	0	45.31	-	-	74	-28.69	-	-	0-360	250	H
2	7.066	39.53	PK	35.9	-24.2	0	51.23	-	-	-	-	68.2	-16.97	0-360	150	V
4	* 10.6	30.94	PK	37.8	-19.7	0	49.04	-	-	74	-24.96	-	-	0-360	250	V
6	* 15.905	24.41	PK	40.5	-19.5	0	45.41	-	-	74	-28.59	-	-	0-360	250	V

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

PK – Peak Detector

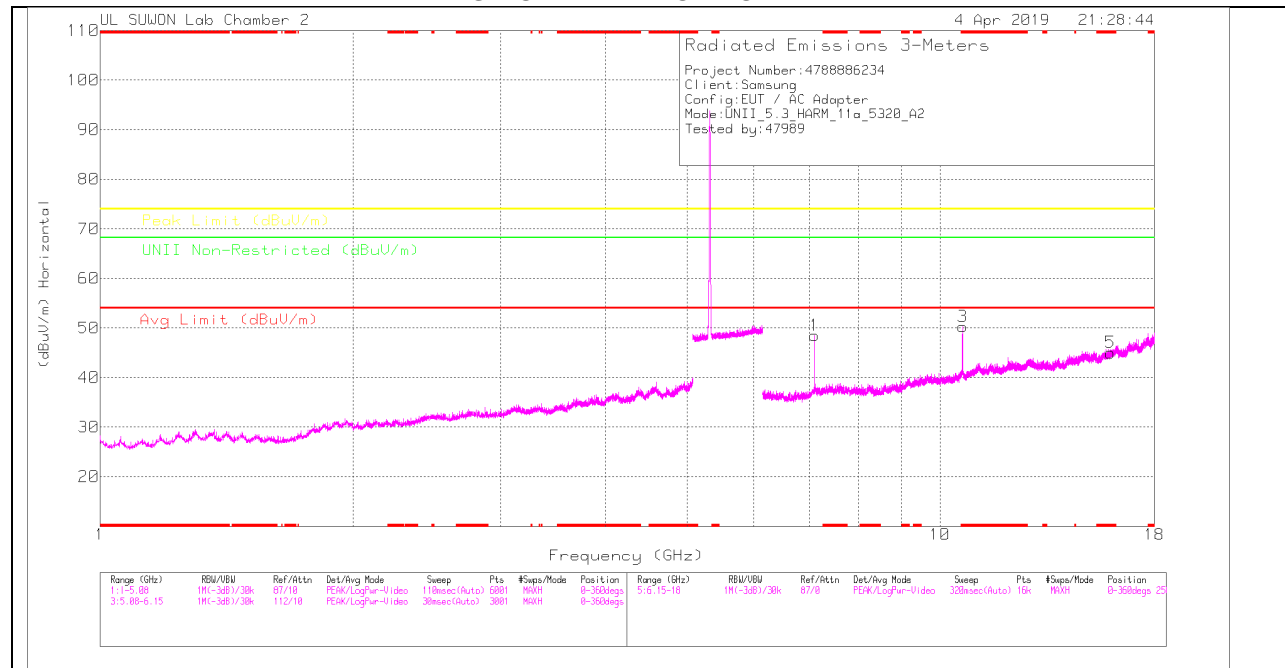
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.066	41.84	PK-U	35.9	-24.2	0	53.54	-	-	-	-	68.2	-14.66	200	132	H
7.066	43.32	PK-U	35.9	-24.2	0	55.02	-	-	-	-	68.2	-13.18	197	162	V
10.6	41.7	PK-U	37.8	-19.7	0	59.8	-	-	-	-	68.2	-8.4	176	168	H
10.598	39.46	PK-U	37.8	-19.7	0	57.56	-	-	-	-	68.2	-10.64	164	202	V

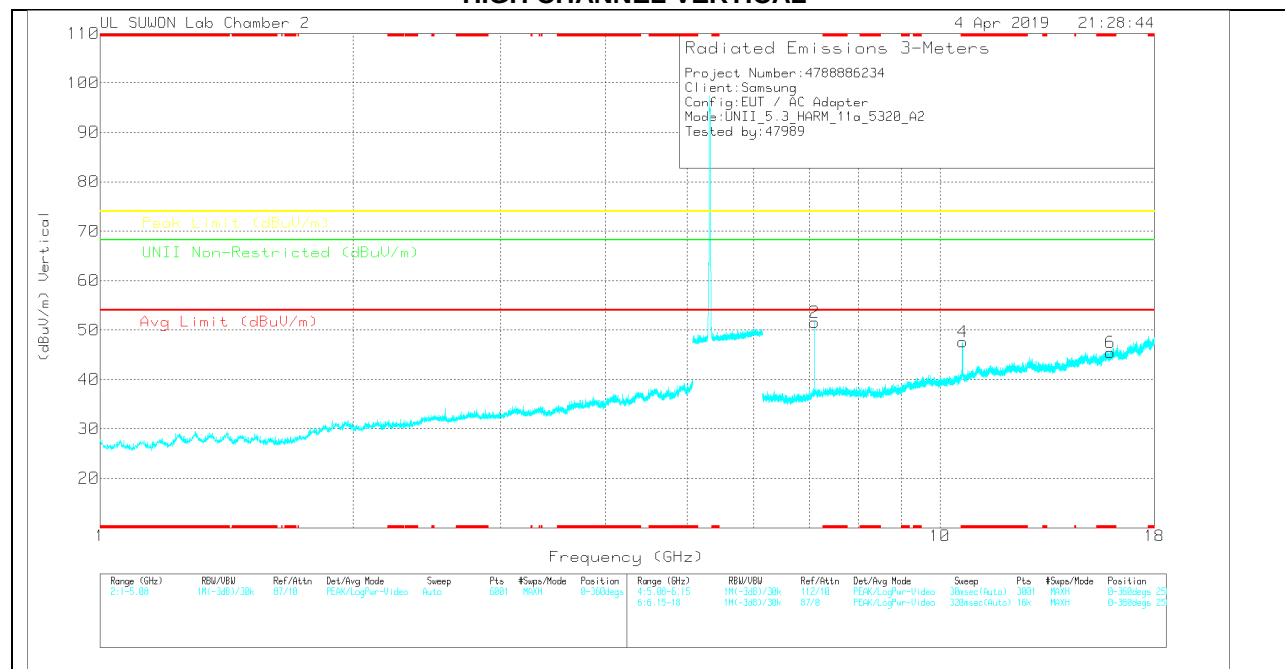
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168734	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	7.093	36.29	PK	36	-23.8	0	48.49	-	-	-	-	68.2	-19.71	0-360	150	H
3	* 10.639	32.07	PK	37.8	-19.6	0	50.27	-	-	74	-23.73	-	-	0-360	250	H
5	* 15.962	24.11	PK	40.5	-19.6	0	45.01	-	-	74	-28.99	-	-	0-360	150	H
2	7.093	39.34	PK	36	-23.8	0	51.54	-	-	-	-	68.2	-16.66	0-360	250	V
4	* 10.642	29.41	PK	37.8	-19.6	0	47.61	-	-	74	-26.39	-	-	0-360	250	V
6	* 15.961	24.54	PK	40.5	-19.6	0	45.44	-	-	74	-28.56	-	-	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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
7.093	41.24	PK-U	36	-23.7	0	53.54	-	-	-	-	68.2	-14.66	198	129	H
7.093	42.59	PK-U	36	-23.7	0	54.89	-	-	-	-	68.2	-13.31	183	169	V
* 10.64	42.63	PK-U	37.8	-19.6	0	60.83	-	-	74	-13.17	-	-	228	236	H
* 10.64	32.22	ADR	37.8	-19.6	0	50.42	54	-3.58	-	-	-	-	228	236	H
* 10.64	40.33	PK-U	37.8	-19.6	0	58.53	-	-	74	-15.47	-	-	167	153	V
* 10.64	30.46	ADR	37.8	-19.6	0	48.66	54	-5.34	-	-	-	-	167	153	V

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

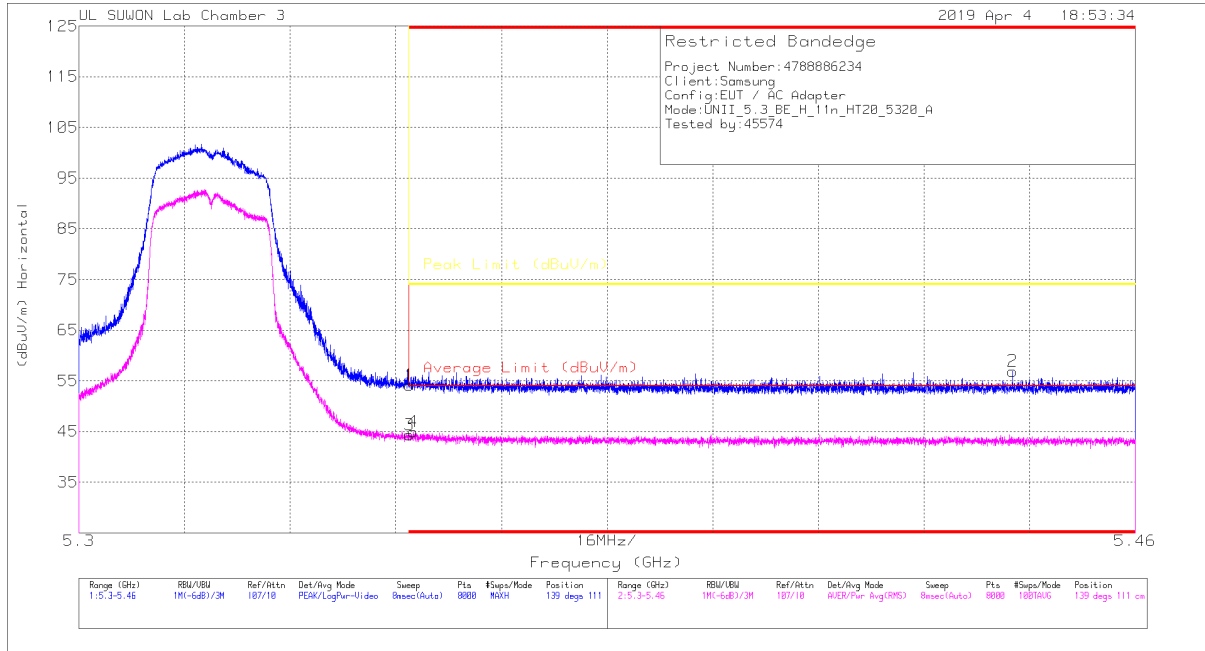
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

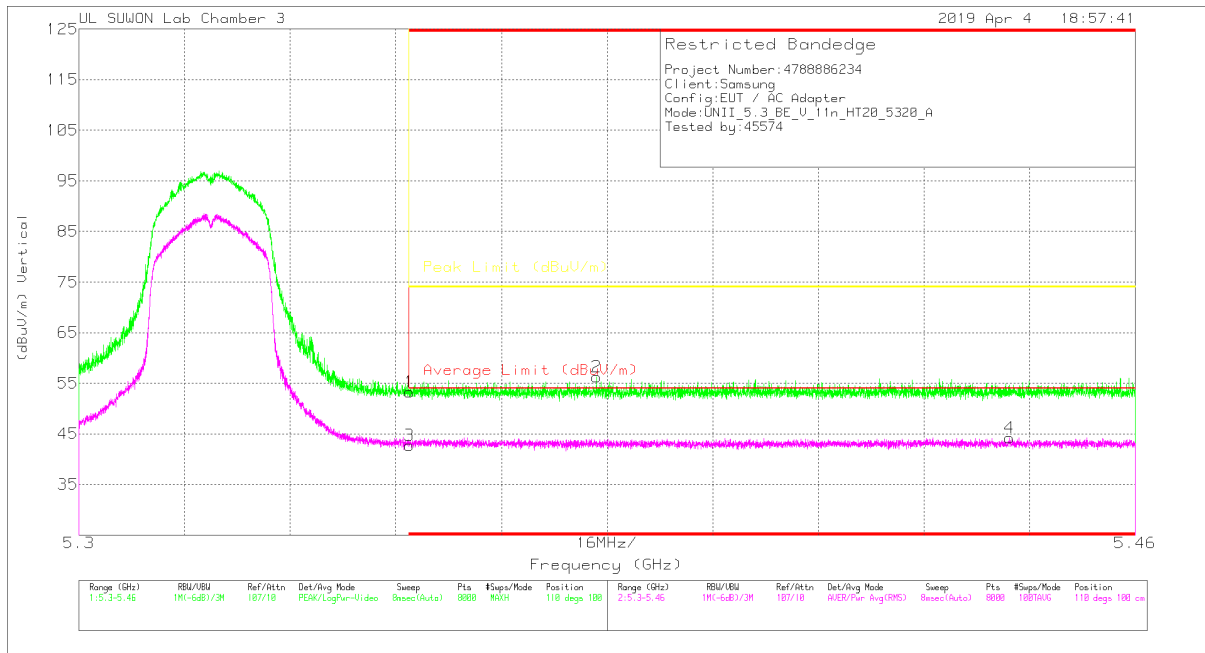
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.1	Pk		-18.7	0	54.1	-	-	74	-19.9	139	111	H
2	* 5.441	40.73	Pk		-18.5	0	56.93	-	-	74	-17.07	139	111	H
3	* 5.35	28.74	RMS		-19.1	0	44.34	54	-9.66	-	-	139	111	H
4	* 5.351	29.37	RMS		-19.1	0	44.97	54	-9.03	-	-	139	111	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_00205959	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	* 5.35	37.28	Pk	34.7	-18.7	0	53.28	-	-	74	-20.72	110	100	V
2	* 5.378	40.14	Pk	34.7	-18.6	0	56.24	-	-	74	-17.76	110	100	V
3	* 5.35	27.16	RMS	34.7	-19.1	0	42.76	54	-11.24	-	-	110	100	V
4	* 5.441	28.53	RMS	34.7	-19	0	44.23	54	-9.77	-	-	110	100	V

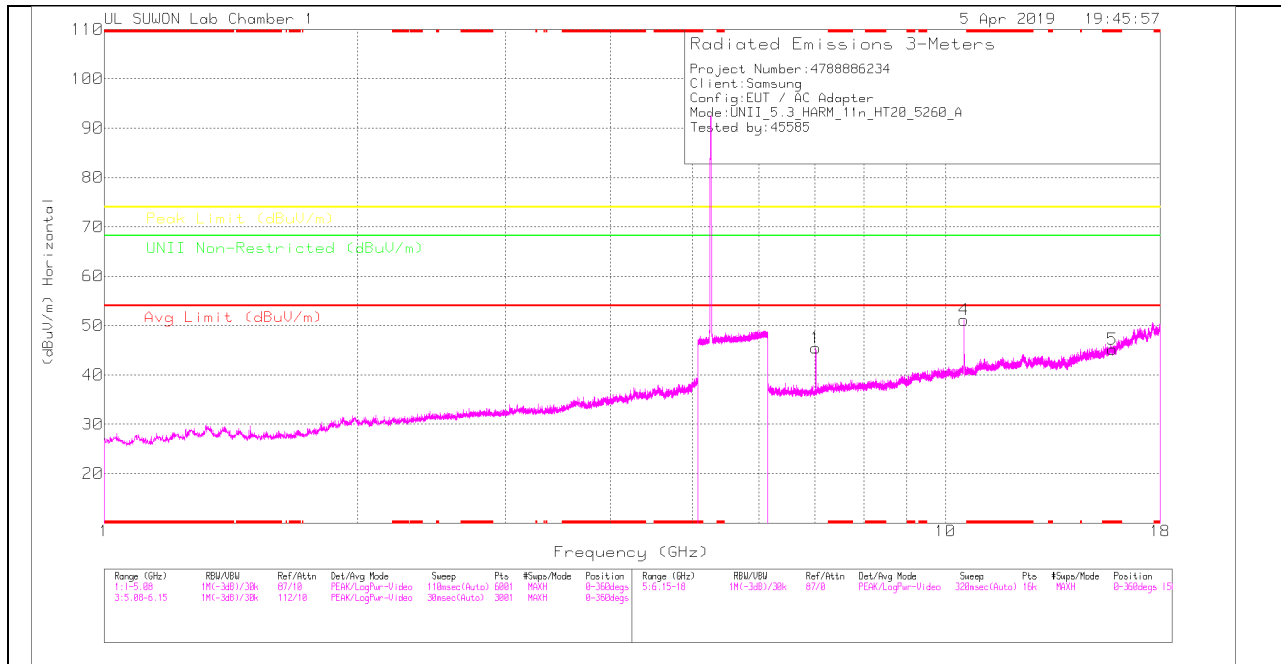
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

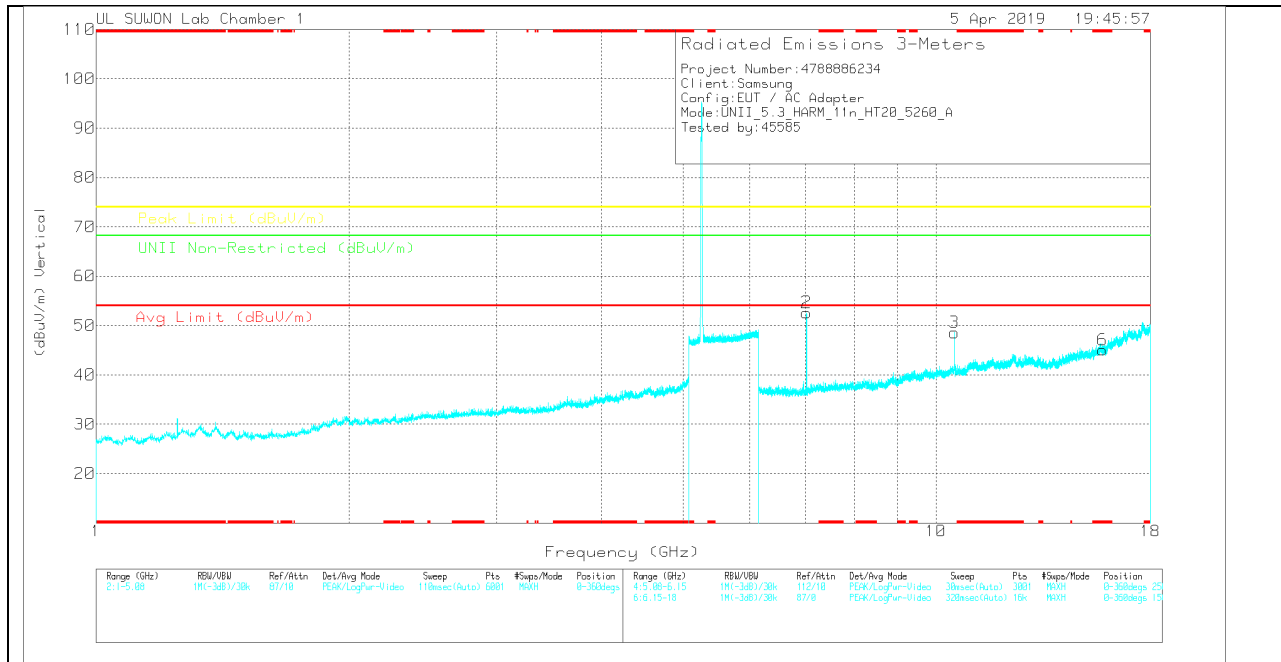
RMS - RMS detection

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)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	7.013	37.63	PK	35.7	-27.9	0	45.43	-	-	-	-	68.2	-22.77	0-360	150	H
4	10.519	36.04	PK	37.7	-22.6	0	51.14	-	-	-	-	68.2	-17.06	0-360	150	H
5	* 15.78	25.88	PK	40.5	-21.2	0	45.18	-	-	74	-28.82	-	-	0-360	250	H
2	7.013	44.83	PK	35.7	-27.9	0	52.63	-	-	-	-	68.2	-15.57	0-360	150	V
3	10.519	33.48	PK	37.7	-22.6	0	48.58	-	-	-	-	68.2	-19.62	0-360	150	V
6	* 15.78	25.78	PK	40.5	-21.2	0	45.08	-	-	74	-28.92	-	-	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

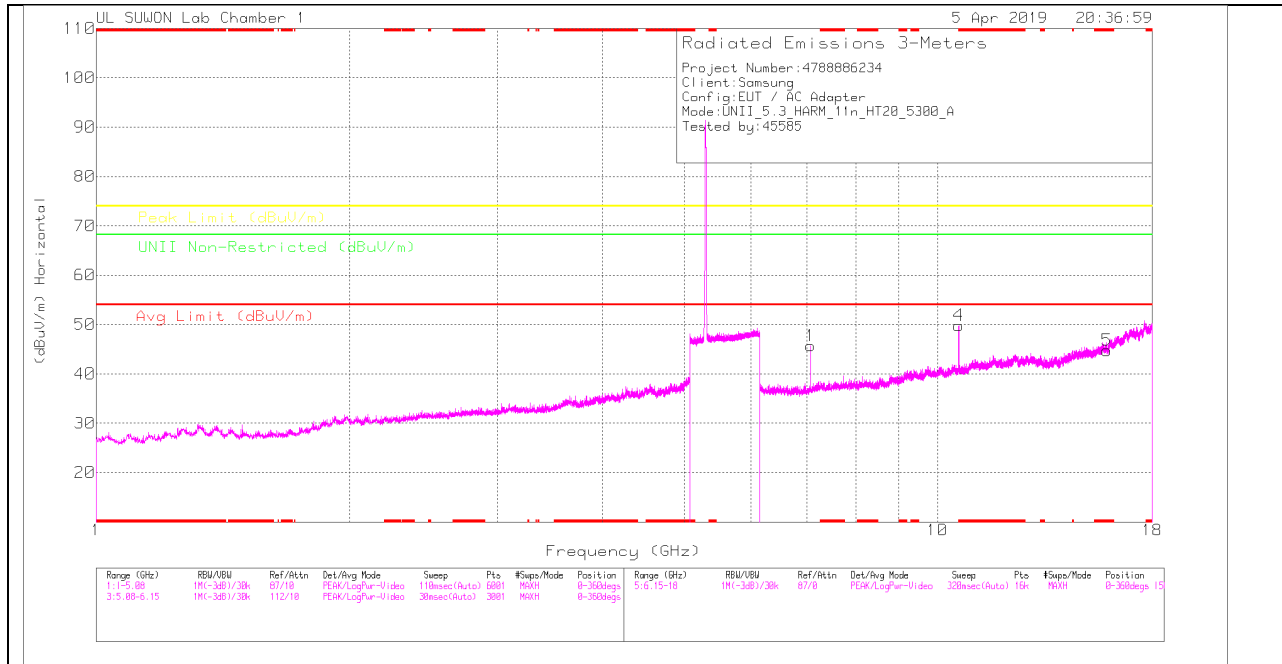
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
7.013	43.34	PK-U	35.7	-27.9	0	51.14	-	-	-	-	68.2	-17.06	213	145	H
7.013	47.87	PK-U	35.7	-27.9	0	55.67	-	-	-	-	68.2	-12.53	181	109	V
10.52	42.86	PK-U	37.7	-22.6	0	57.96	-	-	-	-	68.2	-10.24	152	141	V
10.52	44.58	PK-U	37.7	-22.6	0	59.68	-	-	-	-	68.2	-8.52	174	124	H
* 10.6	44.43	PK-U	37.8	-22.3	0	59.93	-	-	74	-14.07	-	-	215	227	H
10.6	33.77	ADR	37.8	-22.3	0	49.27	54	-4.73	-	-	-	-	215	227	H

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

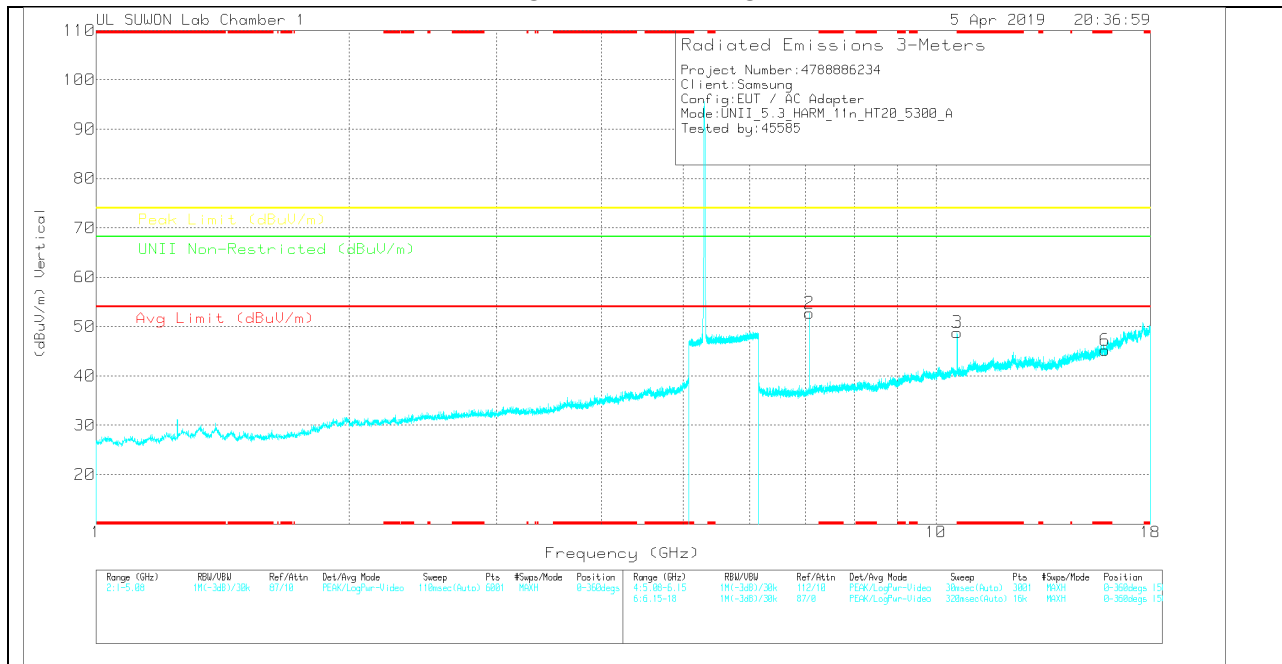
PK-U - U-NII: Maximum Peak

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	7.066	37.69	PK	35.8	-27.8	0	45.69	-	-	-	-	68.2	-22.51	0-360	250	H
4	* 10.6	34.33	PK	37.8	-22.3	0	49.83	-	-	74	-24.17	-	-	0-360	150	H
5	* 15.9	25.27	PK	40.6	-21.1	0	44.77	-	-	74	-29.23	-	-	0-360	250	H
2	7.066	44.74	PK	35.8	-27.8	0	52.74	-	-	-	-	68.2	-15.46	0-360	150	V
3	10.599	33.3	PK	37.8	-22.3	0	48.8	-	-	-	-	68.2	-19.4	0-360	150	V
6	* 15.9	25.72	PK	40.6	-21.1	0	45.22	-	-	74	-28.78	-	-	0-360	150	V

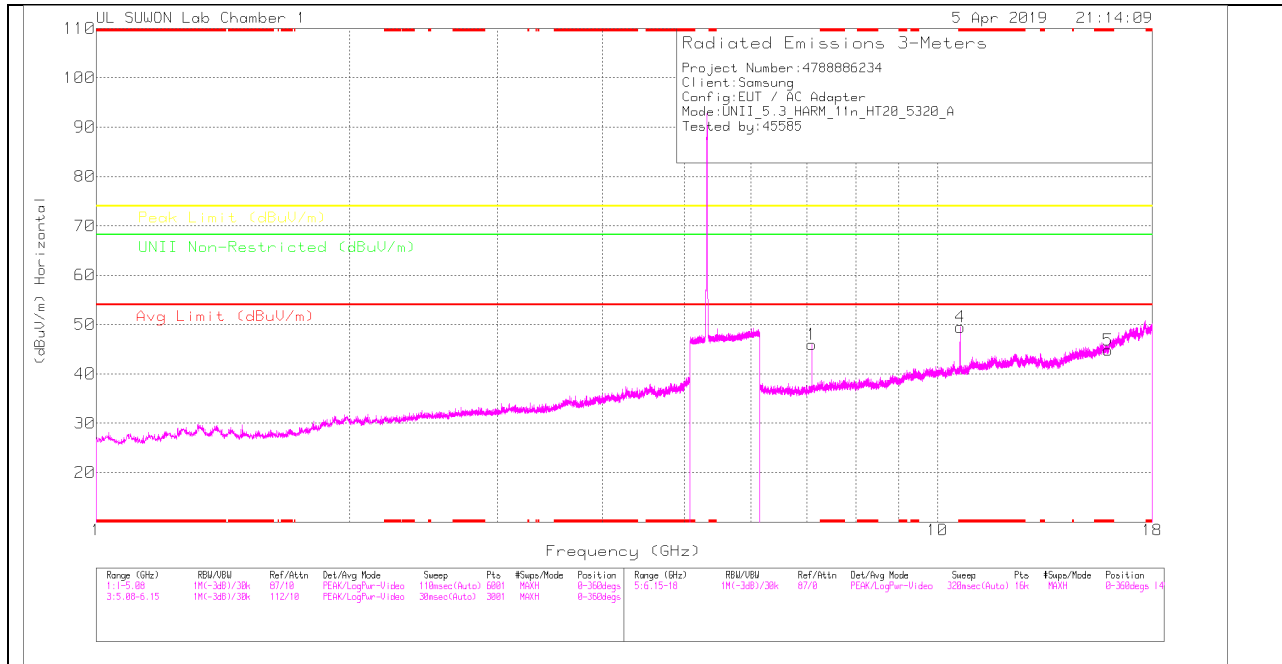
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

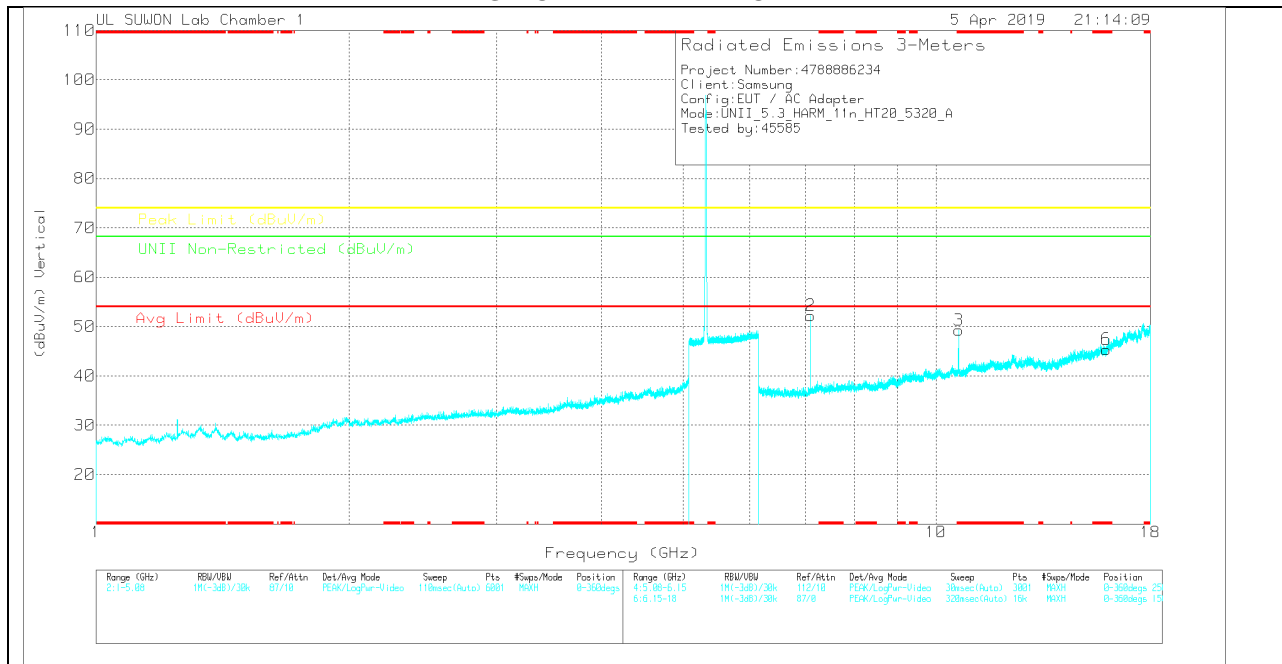
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.067	43.66	PK-U	35.8	-27.8	0	51.66	-	-	-	-	68.2	-16.54	213	142	H
7.067	47.76	PK-U	35.8	-27.8	0	55.76	-	-	-	-	68.2	-12.44	179	147	V
* 10.6	43.12	PK-U	37.8	-22.3	0	58.62	-	-	74	-15.38	-	-	153	144	V
* 10.6	32.44	ADR	37.8	-22.3	0	47.94	54	-6.06	-	-	-	-	153	144	V
* 10.6	44.43	PK-U	37.8	-22.3	0	59.93	-	-	74	-14.07	-	-	215	227	H
10.6	33.77	ADR	37.8	-22.3	0	49.27	54	-4.73	-	-	-	-	215	227	H

* - 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)	ULH Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	7.093	37.83	PK	35.8	-27.7	0	45.93	-	-	-	-	68.2	-22.27	0-360	250	H
4	* 10.639	33.77	PK	37.8	-22.1	0	49.47	-	-	74	-24.53	-	-	0-360	149	H
5	* 15.962	24.92	PK	40.7	-20.8	0	44.82	-	-	74	-29.18	-	-	0-360	149	H
2	7.093	44.11	PK	35.8	-27.7	0	52.21	-	-	-	-	68.2	-15.99	0-360	150	V
3	* 10.639	33.58	PK	37.8	-22.1	0	49.28	-	-	74	-24.72	-	-	0-360	150	V
6	* 15.961	25.47	PK	40.7	-20.8	0	45.37	-	-	74	-28.63	-	-	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)	ULH Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
7.093	43.9	PK-U	35.8	-27.7	0	52	-	-	-	-	68.2	-16.2	216	160	H
7.093	47.09	PK-U	35.8	-27.7	0	55.19	-	-	-	-	68.2	-13.01	170	145	V
* 10.639	43.36	PK-U	37.8	-22.1	0	59.06	-	-	74	-14.94	-	-	198	171	V
* 10.64	31.75	ADR	37.8	-22.1	0	47.45	54	-6.55	-	-	-	-	198	171	V
* 10.639	43.7	PK-U	37.8	-22.1	0	59.4	-	-	74	-14.6	-	-	214	145	H
* 10.64	32.79	ADR	37.8	-22.1	0	48.49	54	-5.51	-	-	-	-	214	145	H

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

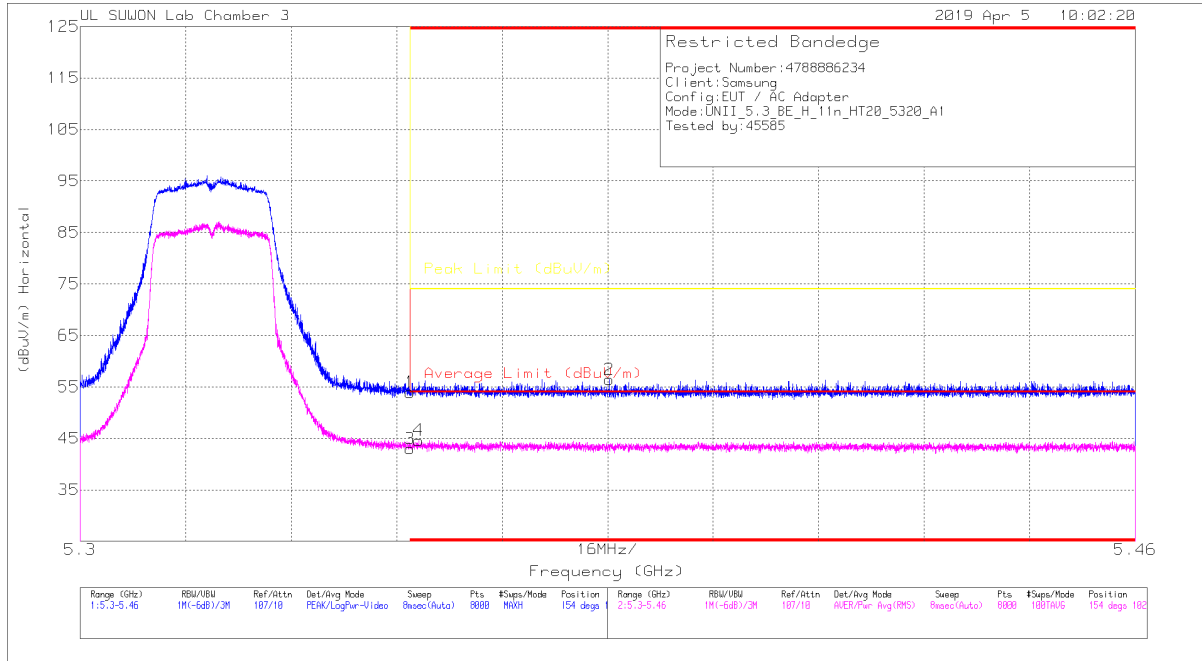
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

11.2.5.TX ABOVE 1GHz 802.11n HT20 1Tx ANT1 IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

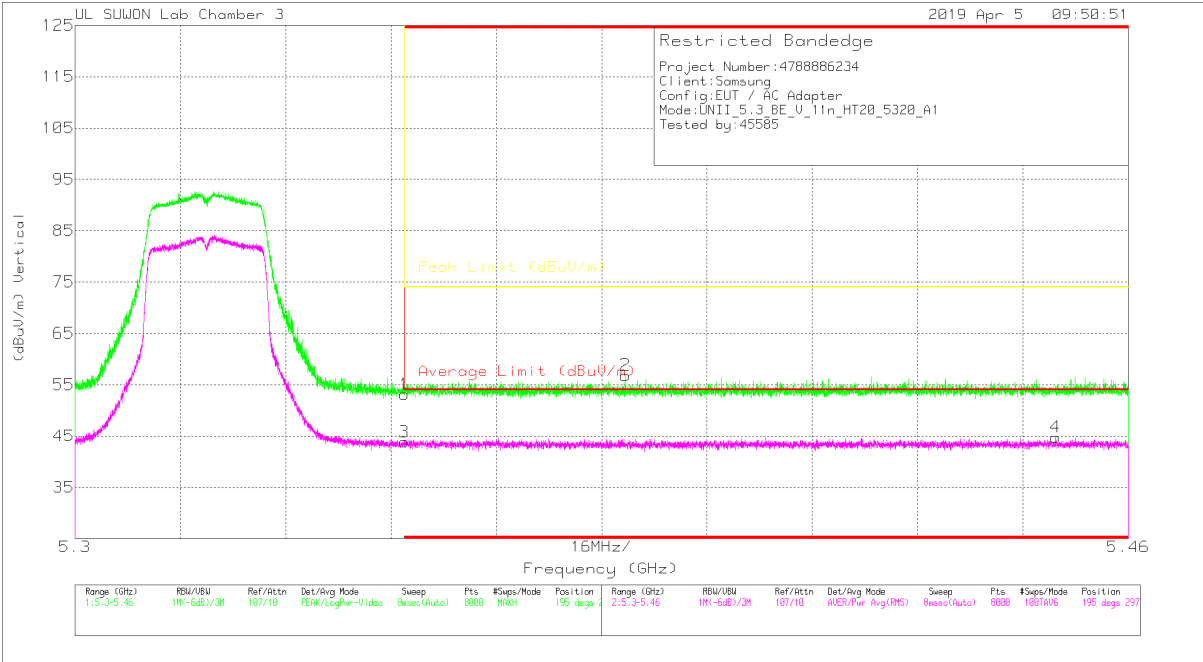
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.94	Pk		-18.7	0	53.94	-	-	74	-20.06	154	102	H
2	* 5.38	40.33	Pk		-18.6	0	56.43	-	-	74	-17.57	154	102	H
3	* 5.35	27.4	RMS		-19.1	0	43	54	-11	-	-	154	102	H
4	* 5.351	29.01	RMS		-19.1	0	44.61	54	-9.39	-	-	154	102	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)	Meas Reading (dBuV)	Det	3117_00209999	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	* 5.35	37.11	Pk	34.7	-18.7	0	53.11	-	-	74	-20.89	195	297	V
2	* 5.384	40.83	Pk	34.7	-18.7	0	56.83	-	-	74	-17.17	195	297	V
3	* 5.35	28.23	RMS	34.7	-19.1	0	43.83	54	-10.17	-	-	195	297	V
4	* 5.449	29.06	RMS	34.7	-19	0	44.76	54	-9.24	-	-	195	297	V

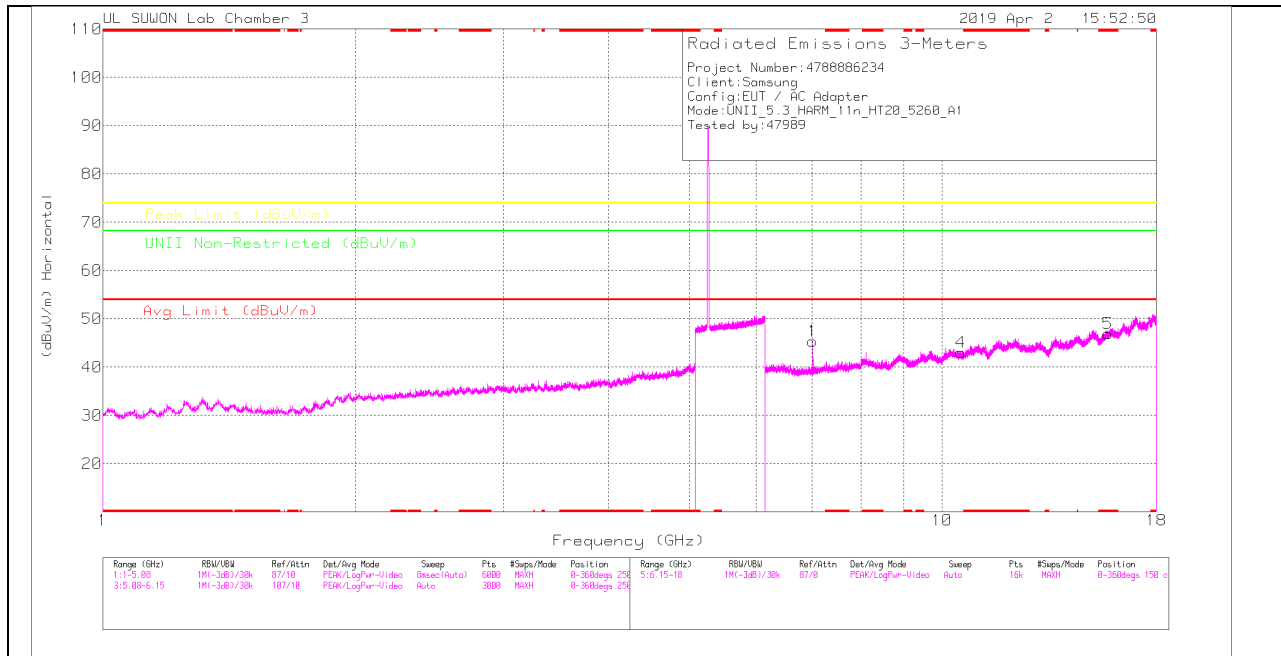
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

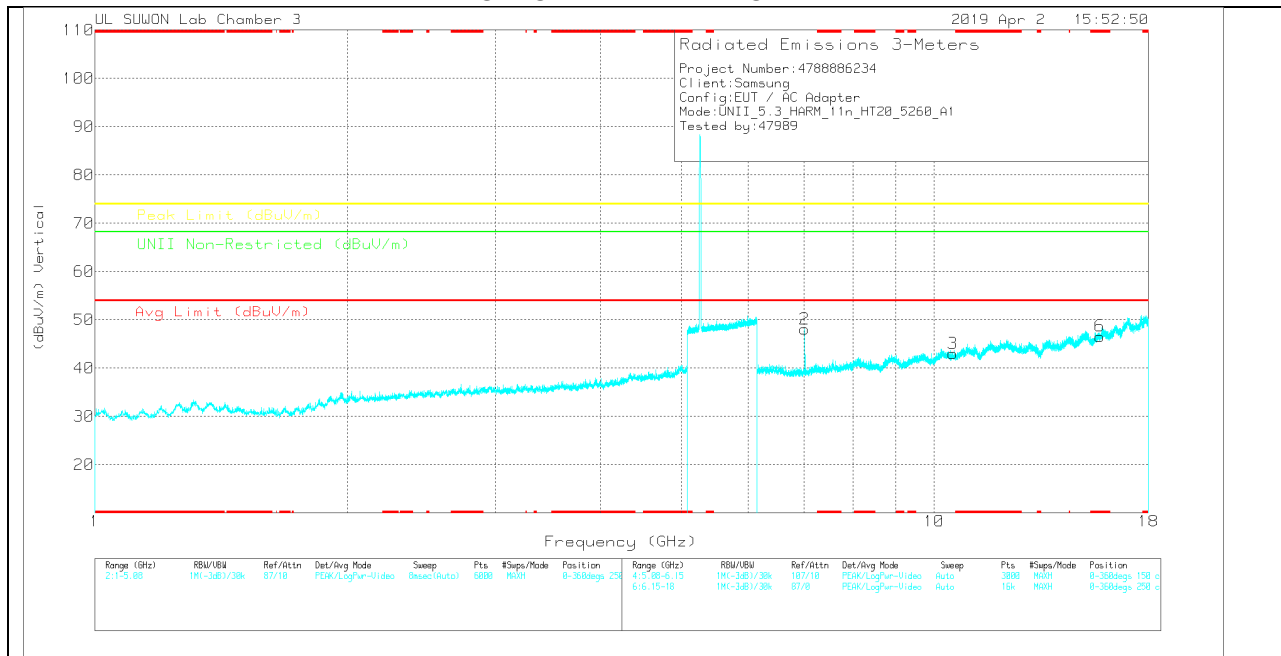
RMS - RMS detection

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_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unl Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.013	33.93	PK	35.7	-24.3	0	45.33	-	-	-	-	68.2	-22.87	0-360	150	H
4	10.524	24.51	PK	37.7	-19.2	0	43.01	-	-	-	-	68.2	-25.19	0-360	250	H
5	* 15.759	25.48	PK	40.5	-19	0	46.98	-	-	74	-27.02	-	-	0-360	150	H
2	7.013	36.66	PK	35.7	-24.3	0	48.06	-	-	-	-	68.2	-20.14	0-360	150	V
3	10.52	24.57	PK	37.7	-19.2	0	43.07	-	-	-	-	68.2	-25.13	0-360	250	V
6	* 15.746	25.31	PK	40.4	-19.1	0	46.61	-	-	74	-27.39	-	-	0-360	150	V

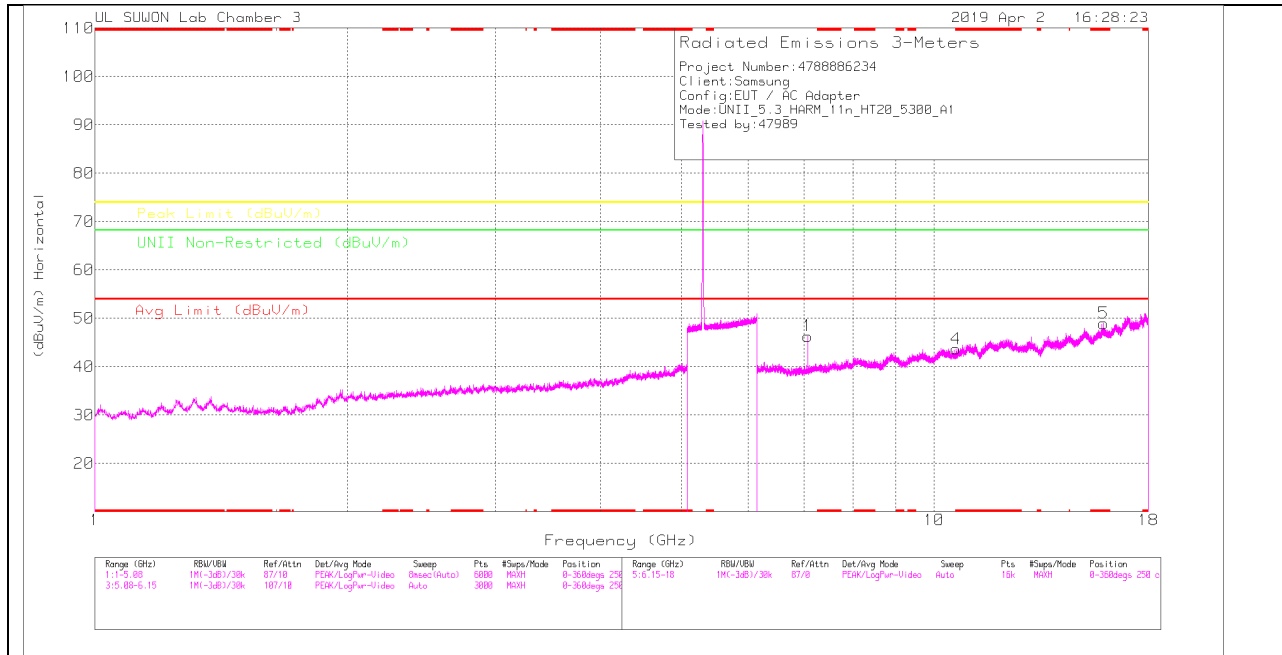
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak detector

Radiated Emissions

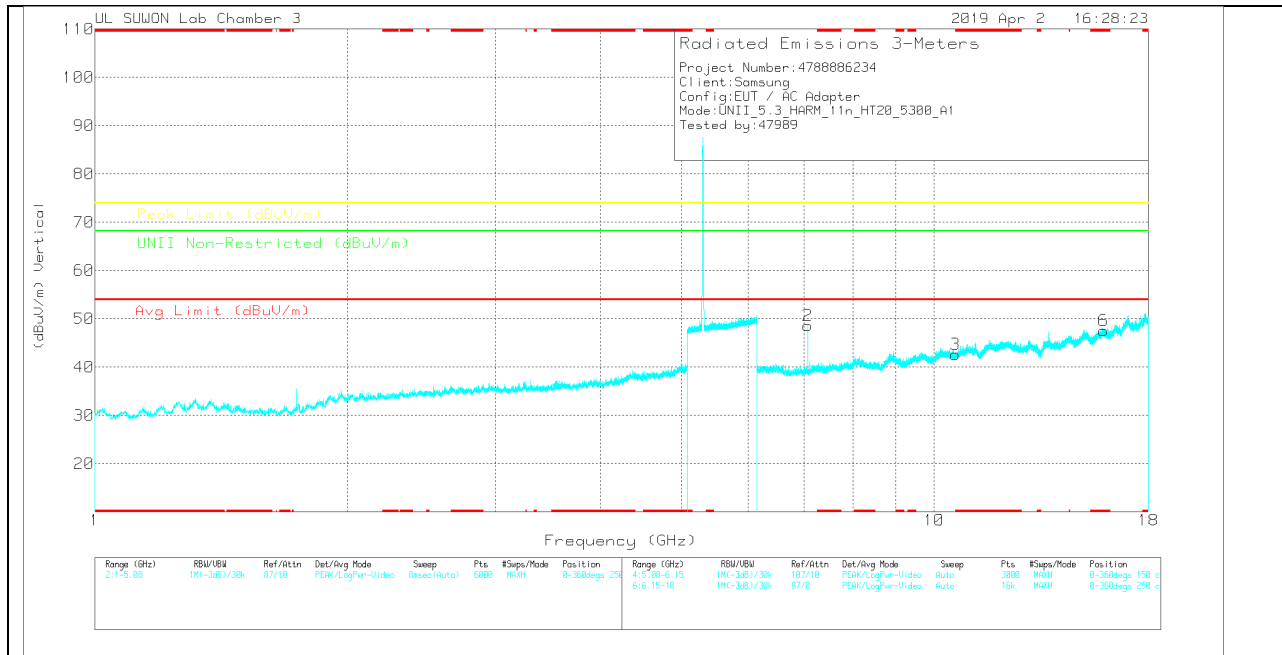
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unl Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.014	41.05	PK-U	35.7	-24.3	0	52.45	-	-	-	-	68.2	-15.75	113	107	H
7.013	43.41	PK-U	35.7	-24.3	0	54.81	-	-	-	-	68.2	-13.39	176	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_00209599	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unlit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.066	34.85	PK	35.8	-24.3	0	46.35	-	-	-	-	68.2	-21.85	0-360	150	H
4	* 10.609	25.15	PK	37.8	-19.3	0	43.65	-	-	74	-30.35	-	-	0-360	150	H
5	* 15.909	27.05	PK	40.6	-18.7	0	48.95	-	-	74	-25.05	-	-	0-360	150	H
2	7.066	37.12	PK	35.8	-24.3	0	48.62	-	-	-	-	68.2	-19.58	0-360	150	V
3	* 10.605	24.18	PK	37.8	-19.3	0	42.68	-	-	74	-31.32	-	-	0-360	150	V
6	* 15.919	25.57	PK	40.6	-18.6	0	47.57	-	-	74	-26.43	-	-	0-360	250	V

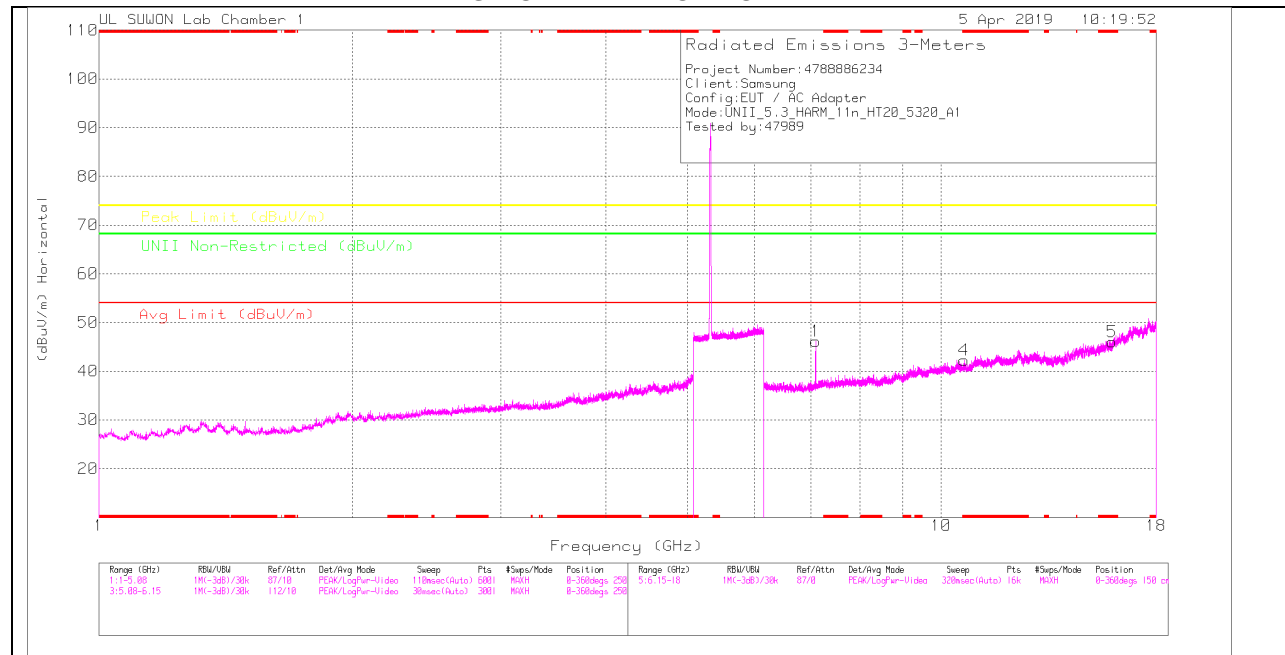
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak detector

Radiated Emissions

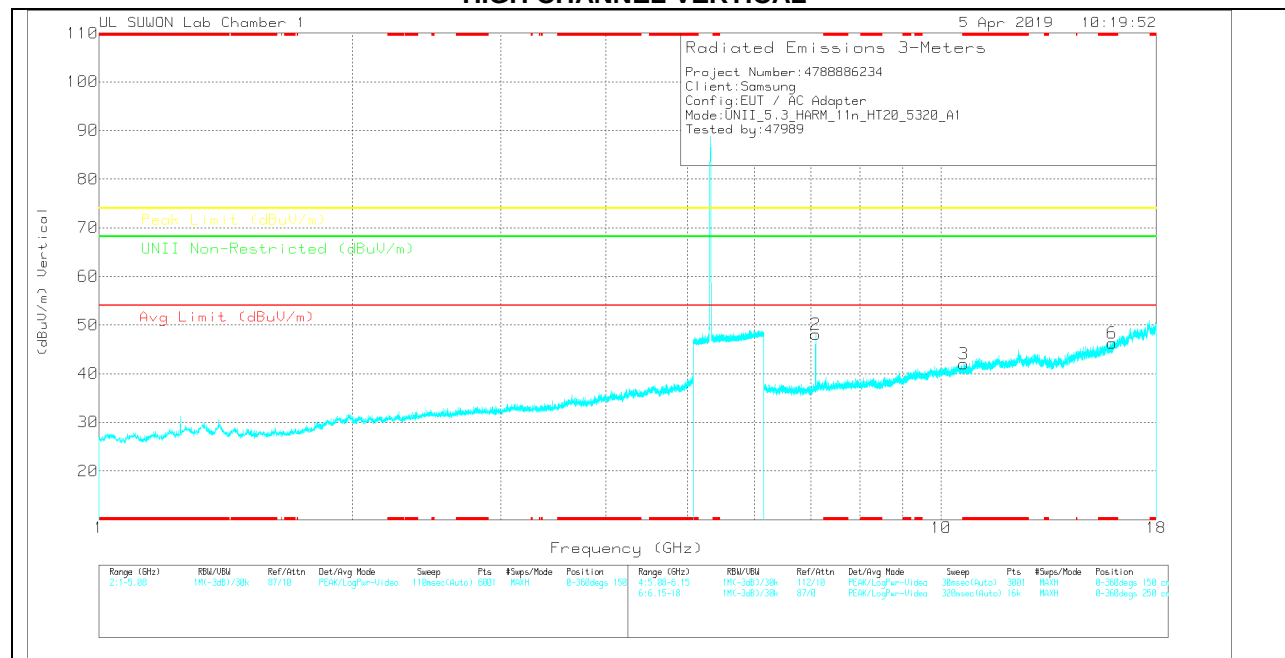
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209599	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unlit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.067	41.33	PK-U	35.8	-24.3	0	52.83	-	-	-	-	68.2	-15.37	115	102	H
7.066	42.47	PK-U	35.8	-24.3	0	53.97	-	-	-	-	68.2	-14.23	169	101	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_00108717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.093	38.08	PK	35.8	-27.7	0	46.18	-	-	-	-	68.2	-22.02	0-360	150	H
4	* 10.642	26.57	PK	37.8	-22.1	0	42.27	-	-	74	-31.73	-	-	0-360	250	H
5	* 15.963	26.07	PK	40.7	-20.8	0	45.97	-	-	74	-28.03	-	-	0-360	150	H
2	7.093	39.95	PK	35.8	-27.7	0	48.05	-	-	-	-	68.2	-20.15	0-360	150	V
3	* 10.639	26.32	PK	37.8	-22.1	0	42.02	-	-	74	-31.98	-	-	0-360	150	V
6	* 15.965	26.32	PK	40.7	-20.8	0	46.22	-	-	74	-27.78	-	-	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_00108717	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.093	43.48	PK-U	35.8	-27.7	0	51.58	-	-	-	-	68.2	-16.62	35	119	H
7.093	45.24	PK-U	35.8	-27.7	0	53.34	-	-	-	-	68.2	-14.86	171	101	V

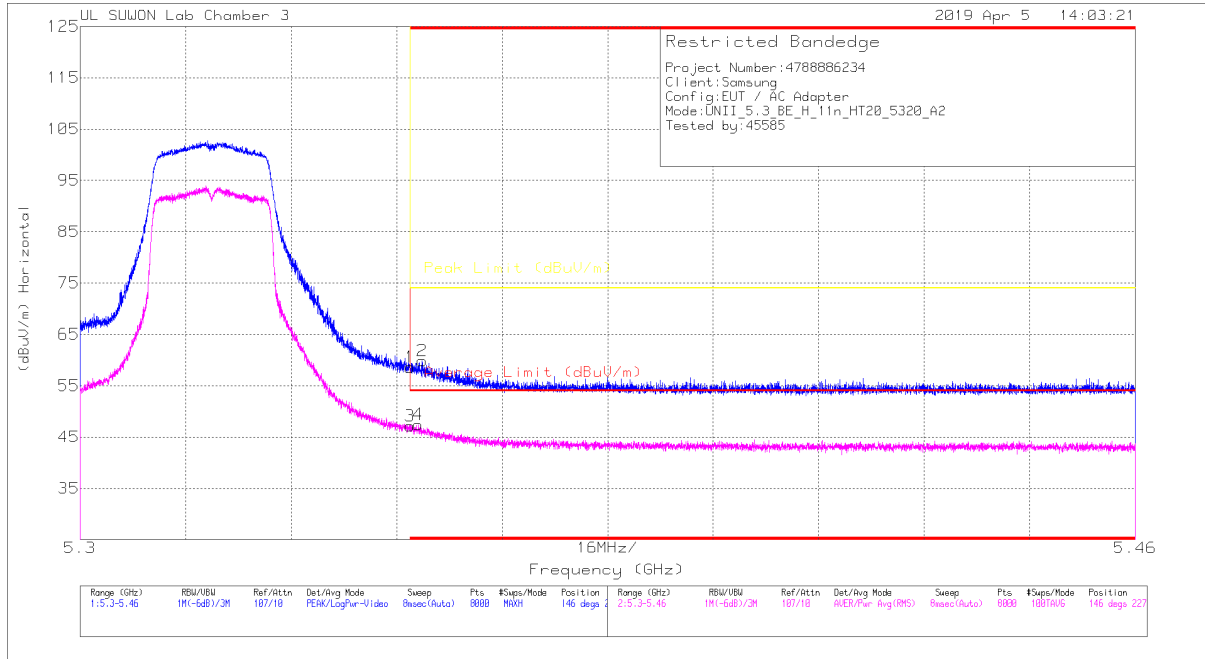
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

11.2.6.TX ABOVE 1GHz 802.11n HT20 1Tx ANT2 IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

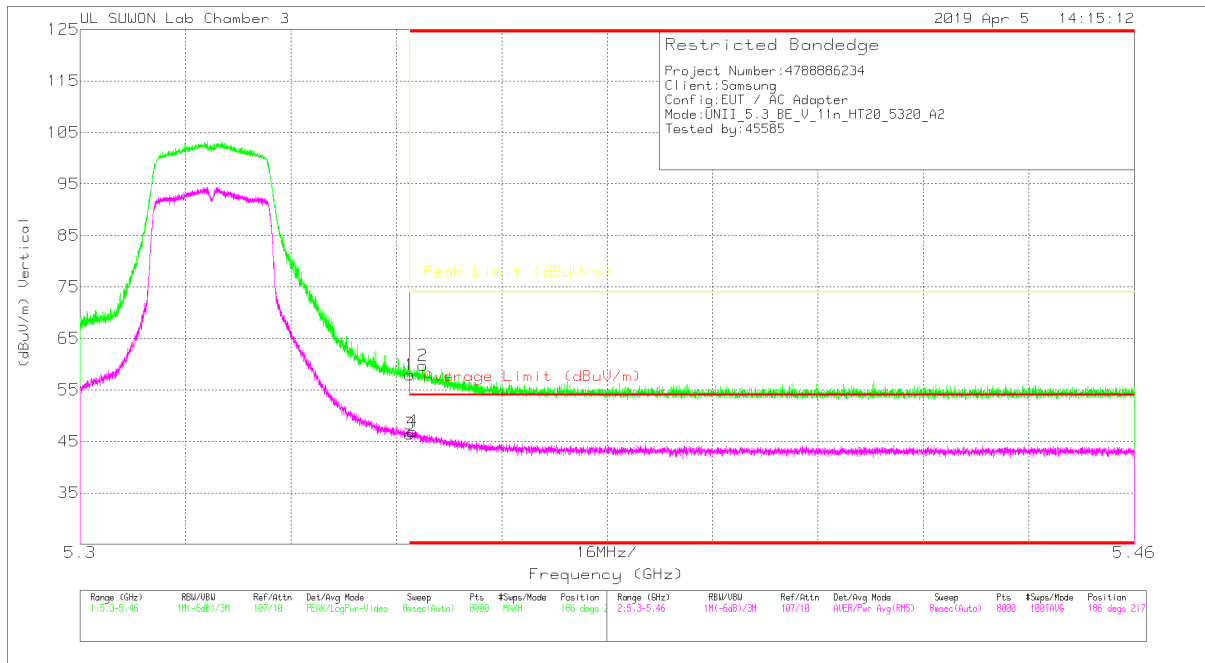
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.58	Pk	34.7	-18.7	0	58.58	-	-	74	-15.42	146	227	H
2	* 5.352	43.83	Pk	34.7	-18.7	0	59.83	-	-	74	-14.17	146	227	H
3	* 5.35	31.54	RMS	34.7	-19.1	0	47.14	54	-6.86	-	-	146	227	H
4	* 5.351	31.81	RMS	34.7	-19.1	0	47.41	54	-6.59	-	-	146	227	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_00205959	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	* 5.35	41.91	Pk	34.7	-18.7	0	57.91	-	-	74	-16.09	186	217	V
2	* 5.352	43.71	Pk	34.7	-18.7	0	59.71	-	-	74	-14.29	186	217	V
3	* 5.35	30.84	RMS	34.7	-19.1	0	46.44	54	-7.56	-	-	186	217	V
4	* 5.35	31.32	RMS	34.7	-19.1	0	46.92	54	-7.08	-	-	186	217	V

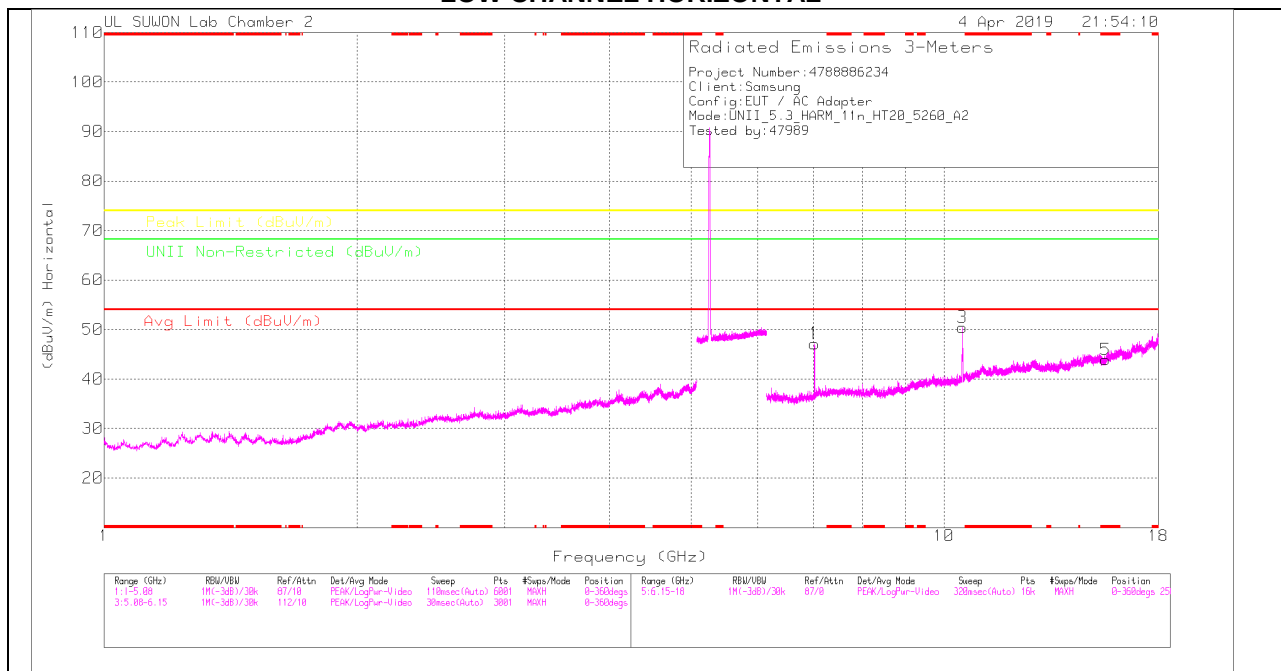
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

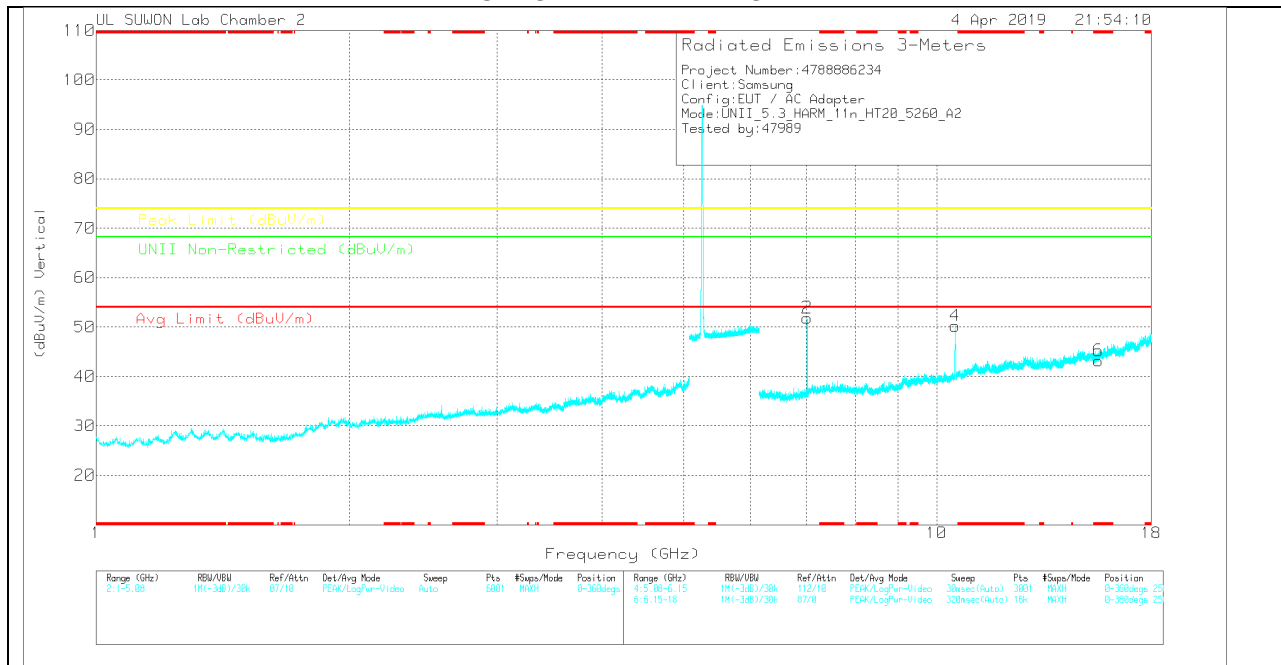
RMS - RMS detection

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_00168724	6GHz_HPI(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.013	36.83	Avg	35.8	-25.5	0	47.13	-	-	-	-	68.2	-21.07	0-360	150	H
3	10.519	33.44	Avg	37.7	-20.7	0	50.44	-	-	-	-	68.2	-17.76	0-360	150	H
5	* 15.57	23.72	Avg	40	-19.8	0	43.92	-	-	74	-30.08	-	-	0-360	150	H
2	7.013	41.56	Avg	35.8	-25.5	0	51.86	-	-	-	-	68.2	-16.34	0-360	250	V
4	10.52	33.24	Avg	37.7	-20.7	0	50.24	-	-	-	-	68.2	-17.96	0-360	250	V
6	* 15.57	23	Avg	40	-19.8	0	43.2	-	-	74	-30.8	-	-	0-360	150	V

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

Avg - Video bandwidth < Resolution bandwidth

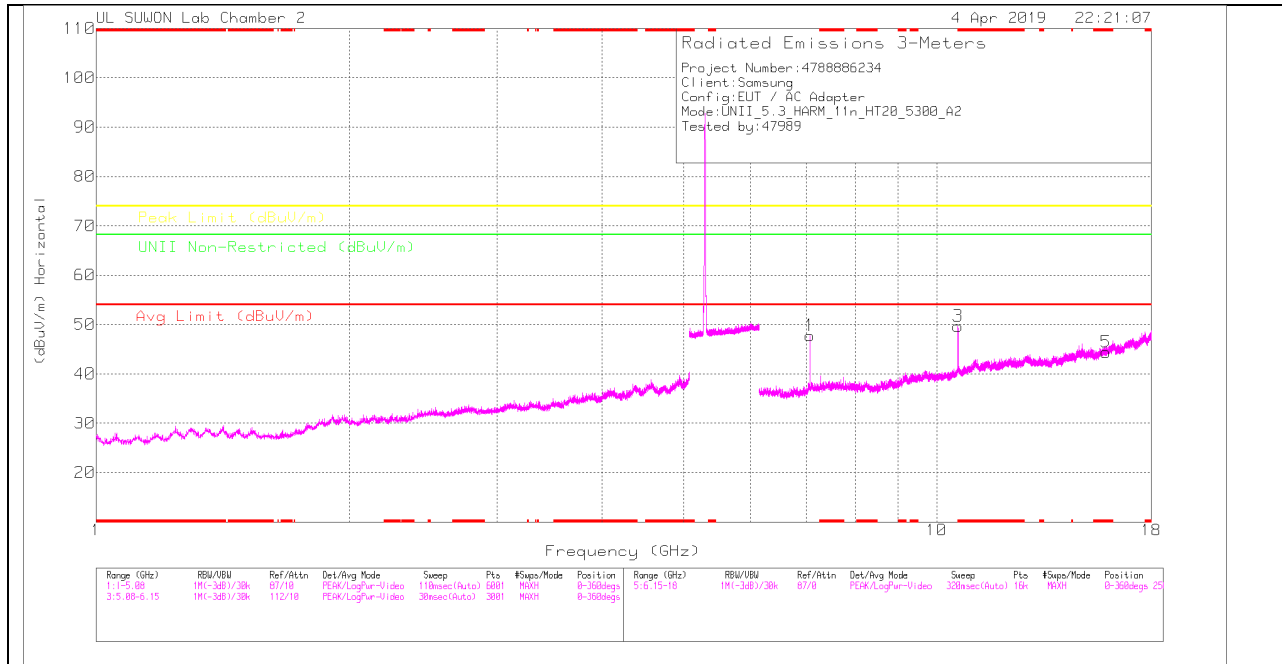
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HPI(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.013	41.41	PK-U	35.8	-25.5	0	51.71	-	-	-	-	68.2	-16.49	205	180	H
7.013	44.27	PK-U	35.8	-25.5	0	54.57	-	-	-	-	68.2	-13.63	185	172	V
10.52	45.72	PK-U	37.7	-20.7	0	62.72	-	-	-	-	68.2	-5.48	175	180	H
10.52	42.79	PK-U	37.7	-20.7	0	59.79	-	-	-	-	68.2	-8.41	162	208	V

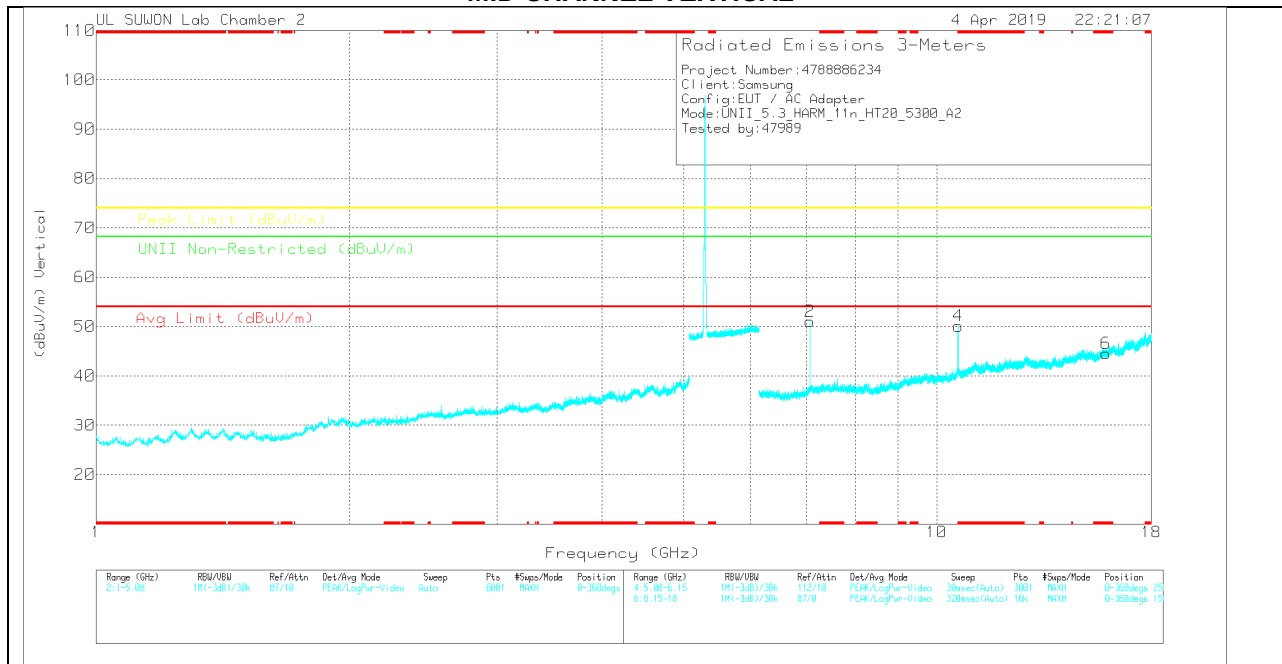
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	6GHz_HF(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	7.066	36.07	PK	35.9	-24.2	0	47.77	-	-	-	-	68.2	-20.43	0-360	150	H
3	10.599	31.6	PK	37.8	-19.7	0	49.7	-	-	-	-	68.2	-18.5	0-360	250	H
5	* 15.9	23.39	PK	40.5	-19.5	0	44.39	-	-	74	-29.61	-	-	0-360	250	H
2	7.066	39.32	PK	35.9	-24.2	0	51.02	-	-	-	-	68.2	-17.18	0-360	250	V
4	* 10.603	32.01	PK	37.8	-19.7	0	50.11	-	-	74	-23.89	-	-	0-360	250	V
6	* 15.9	23.56	PK	40.5	-19.5	0	44.56	-	-	74	-29.44	-	-	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_00168724	6GHz_HF(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
7.067	40.44	PK-U	35.9	-24.2	0	52.14	-	-	-	-	68.2	-16.06	200	131	H
7.067	42.73	PK-U	35.9	-24.2	0	54.43	-	-	-	-	68.2	-13.77	198	162	V
10.598	41.72	PK-U	37.8	-19.7	0	59.82	-	-	-	-	68.2	-8.38	176	168	H
10.598	38.49	PK-U	37.8	-19.7	0	56.59	-	-	-	-	68.2	-11.61	164	202	V

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