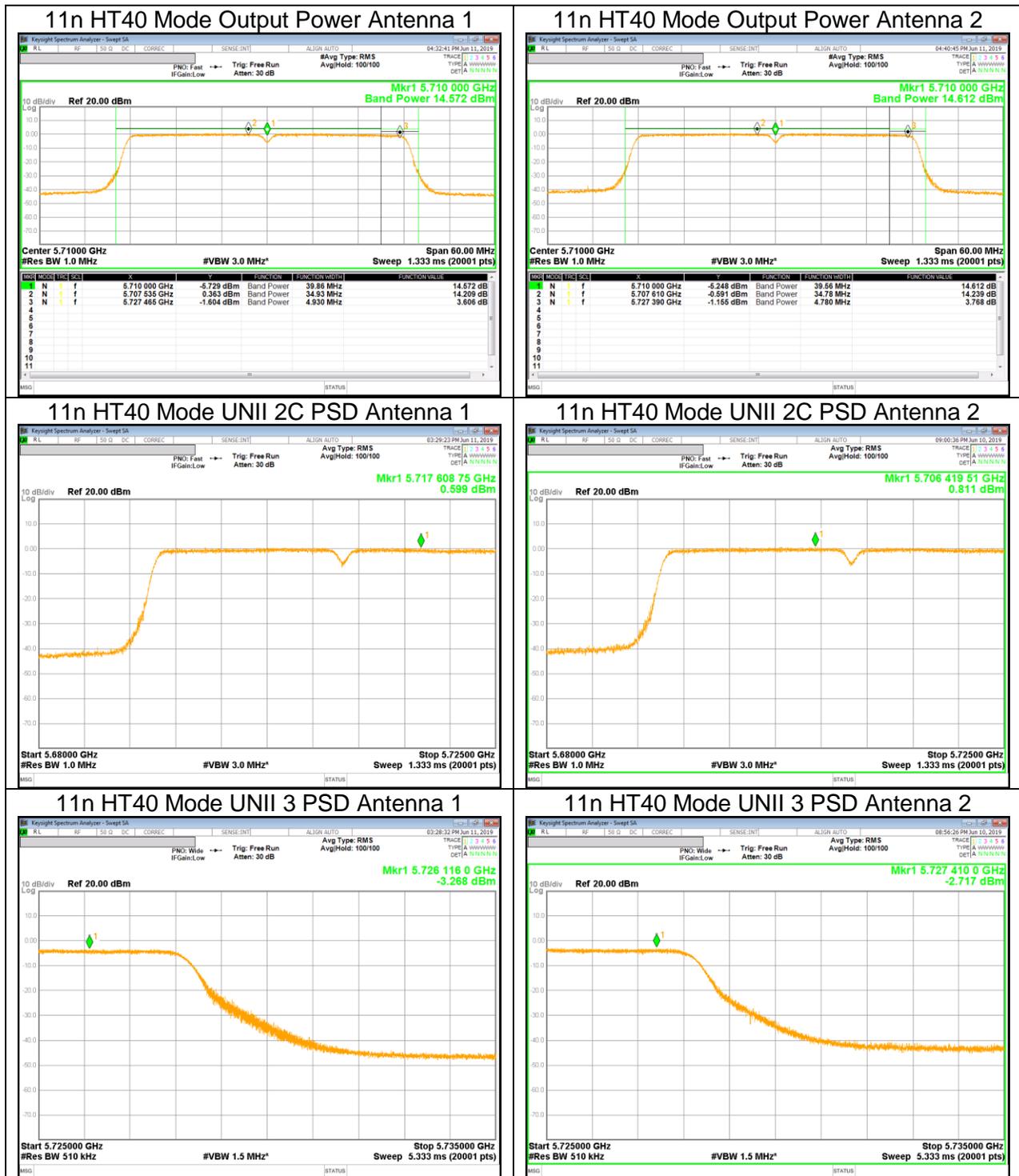
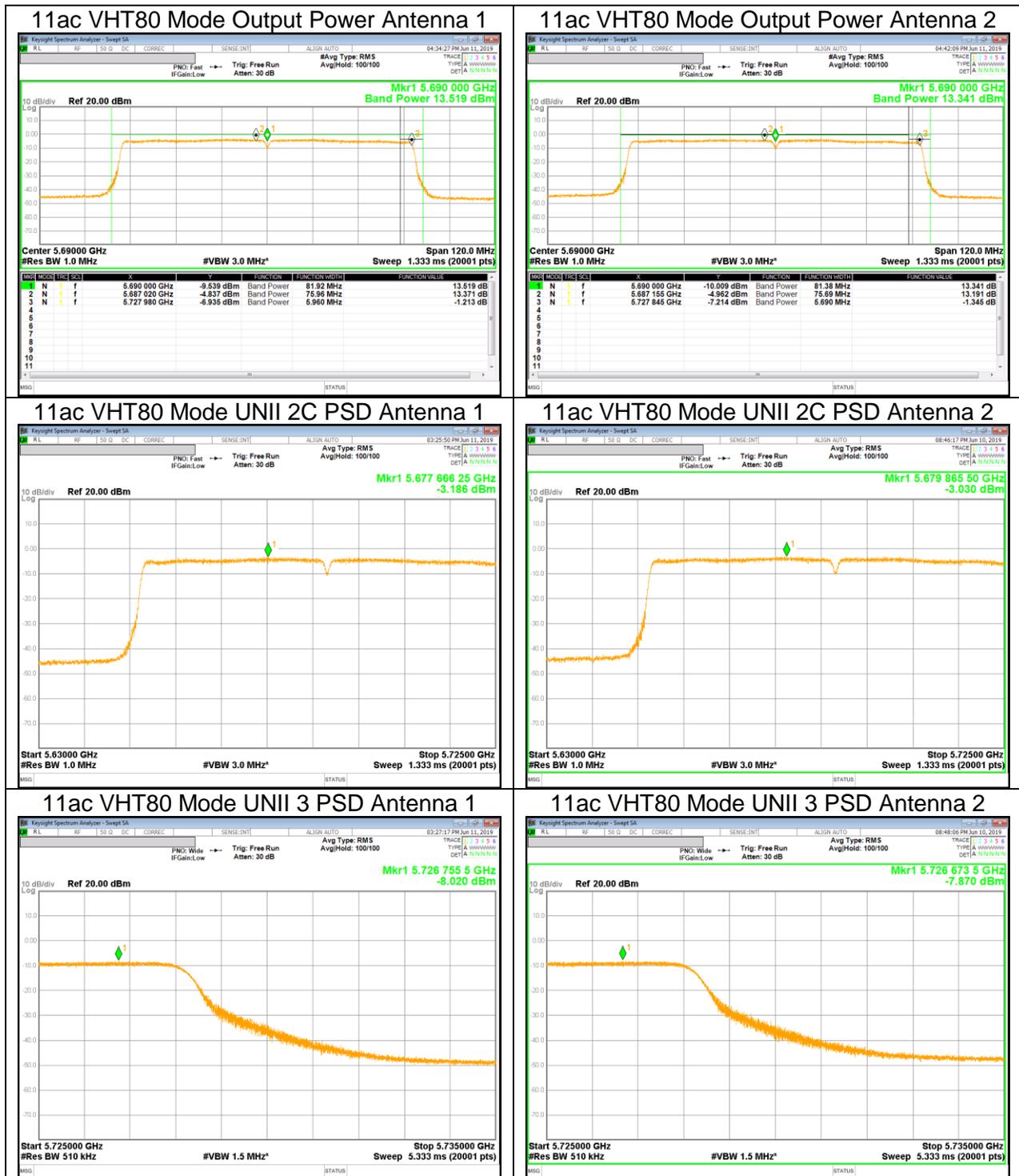


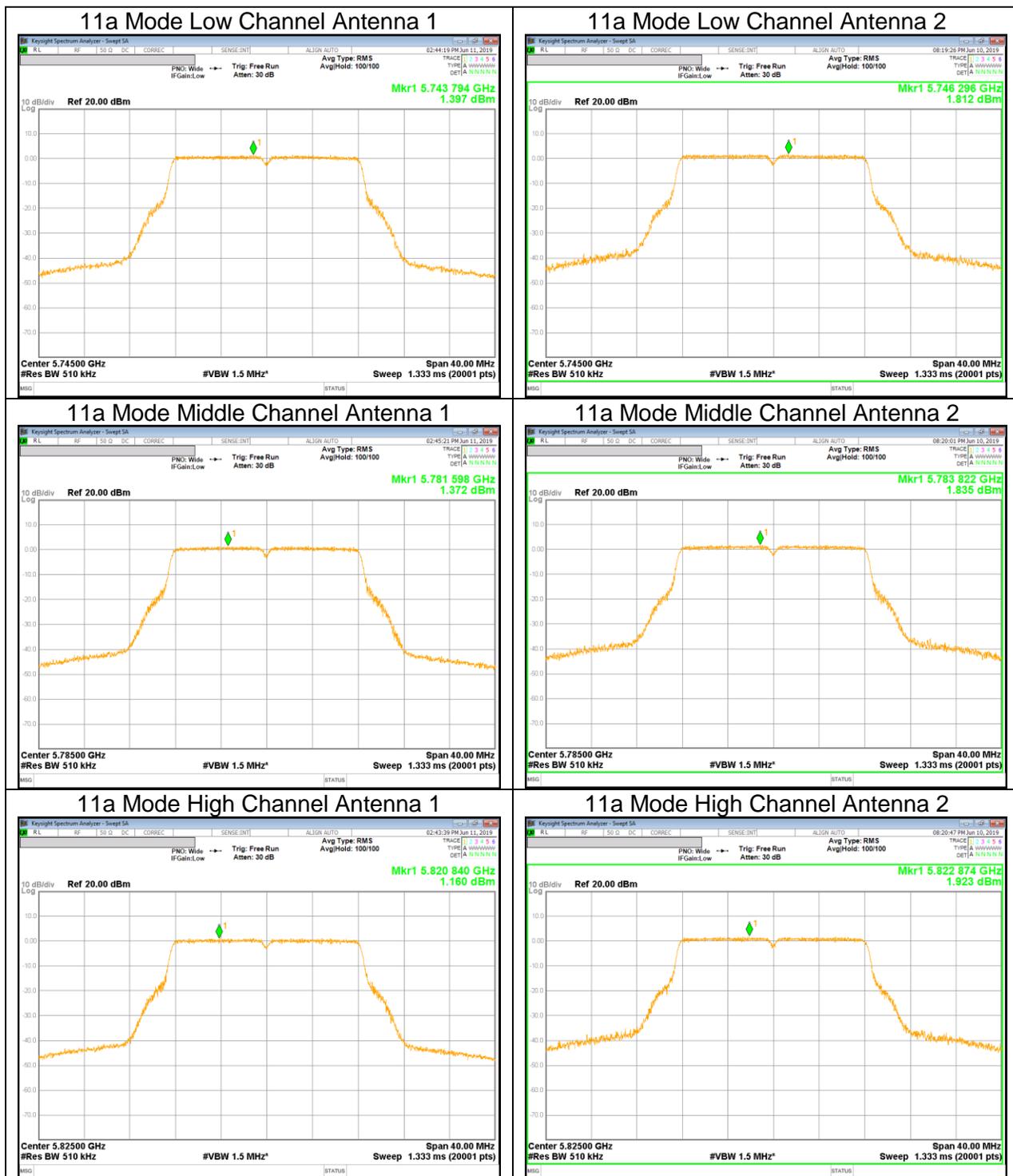
**UNII Straddle Ch. IEEE 802.11n HT40 mode Ourput Power and PSD**



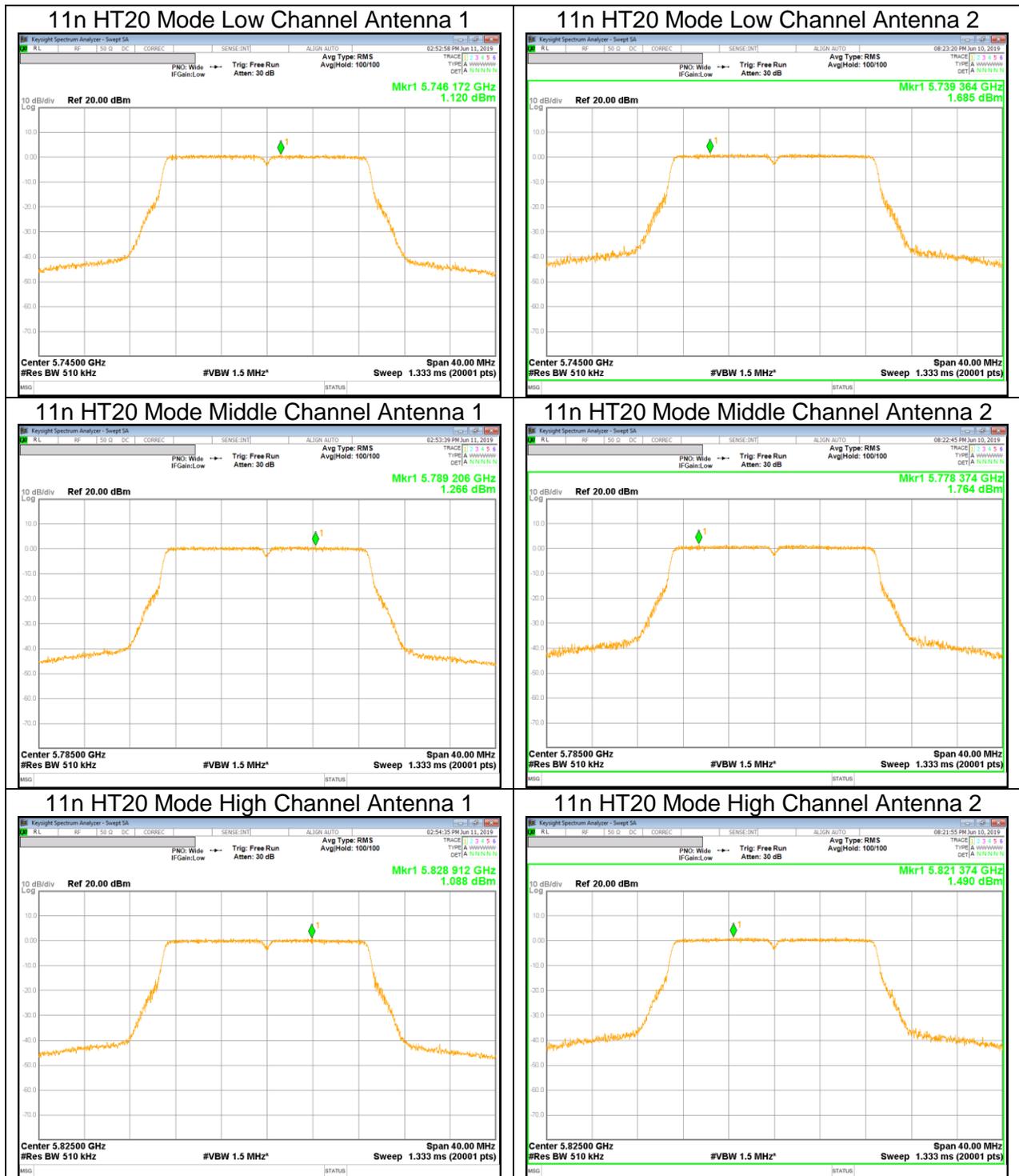
**UNII Straddle Ch. IEEE 802.11ac VHT80 mode Ourput Power and PSD**



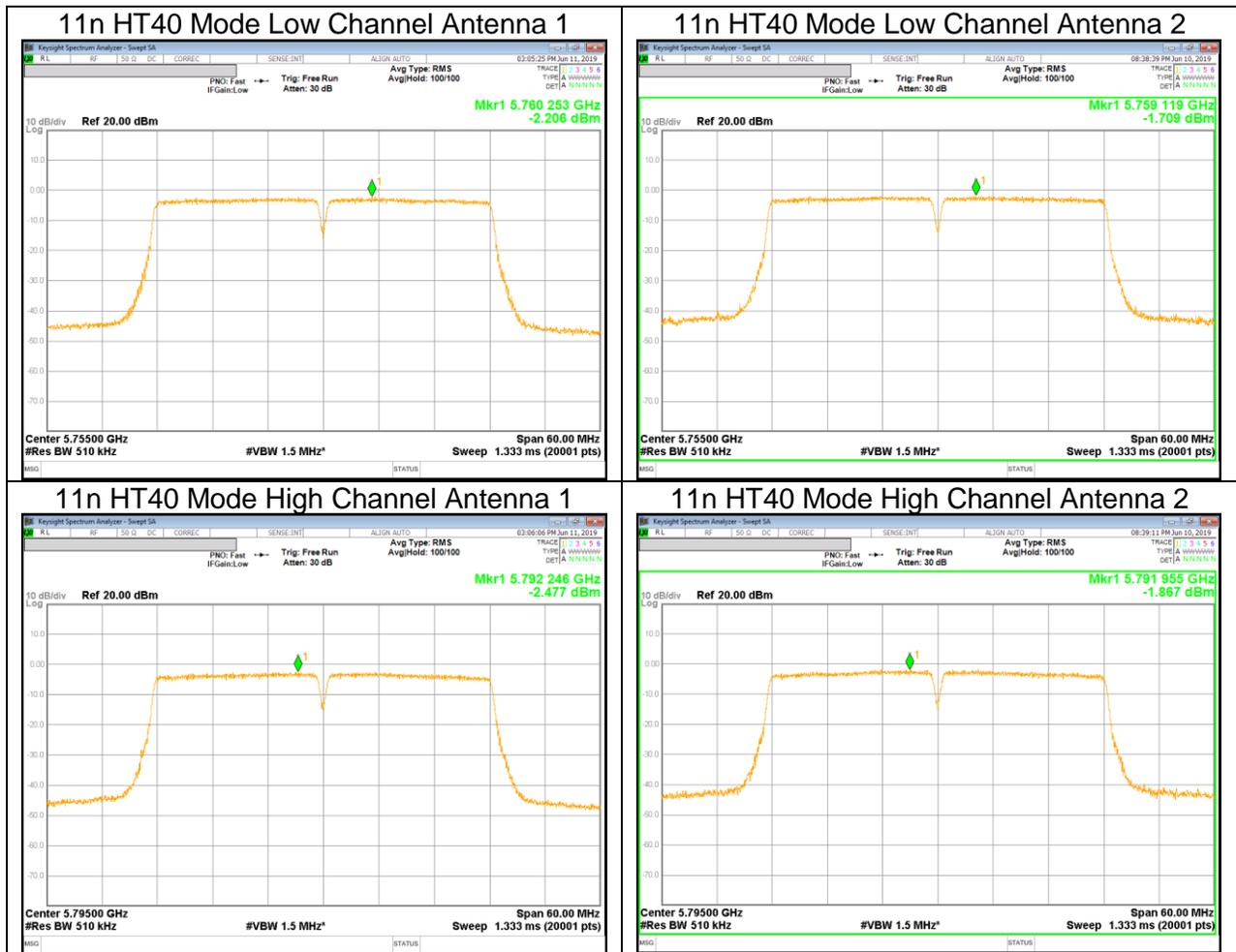
### UNII 5.8 GHz IEEE 802.11a mode PSD



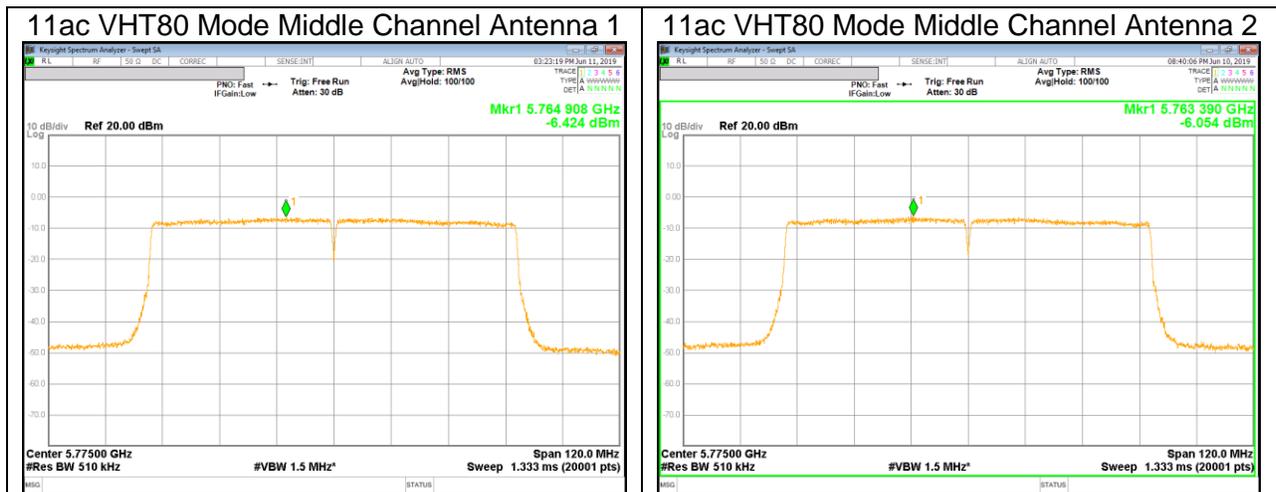
### UNII 5.8 GHz IEEE 802.11n HT20 mode mode PSD



### UNII 5.8 GHz IEEE 802.11n HT40 mode mode PSD



### UNII 5.8 GHz IEEE 802.11ac VHT80 mode mode PSD



## 11. TRANSMITTER ABOVE 1 GHz

### LIMITS

FCC §15.205 and §15.209

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits ( $\mu\text{V}/\text{m}$ )	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.

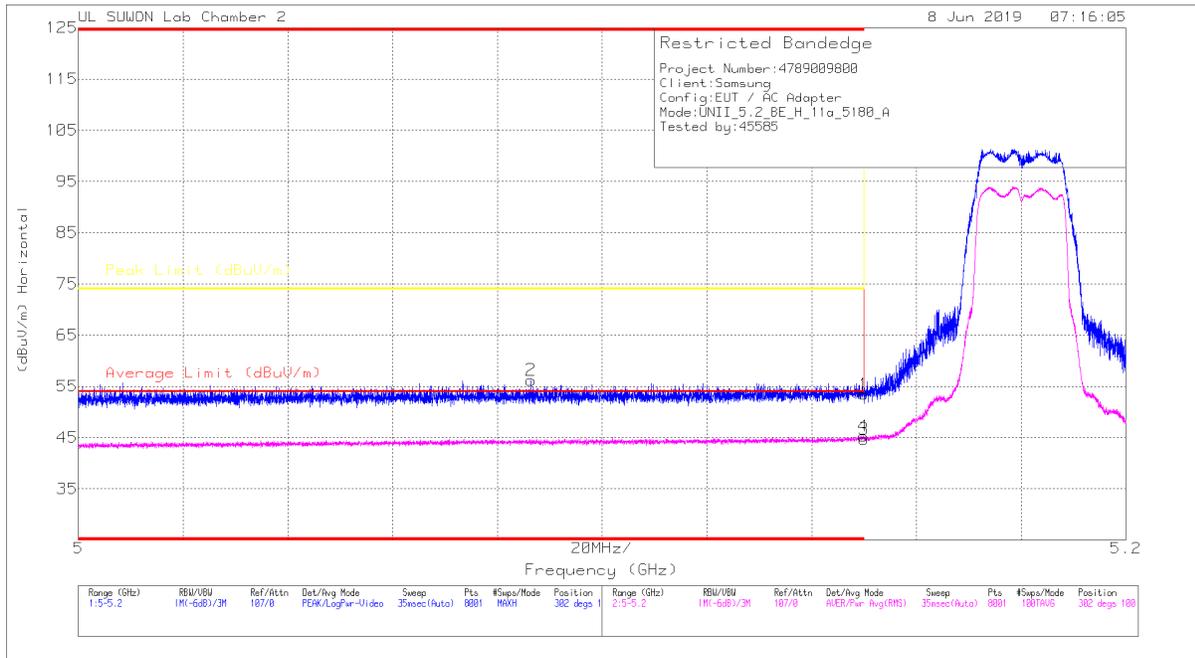
Note : Emission was pre-scanned from 9KHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).  
Per FCC part 15.31(o), test results were not reported.

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

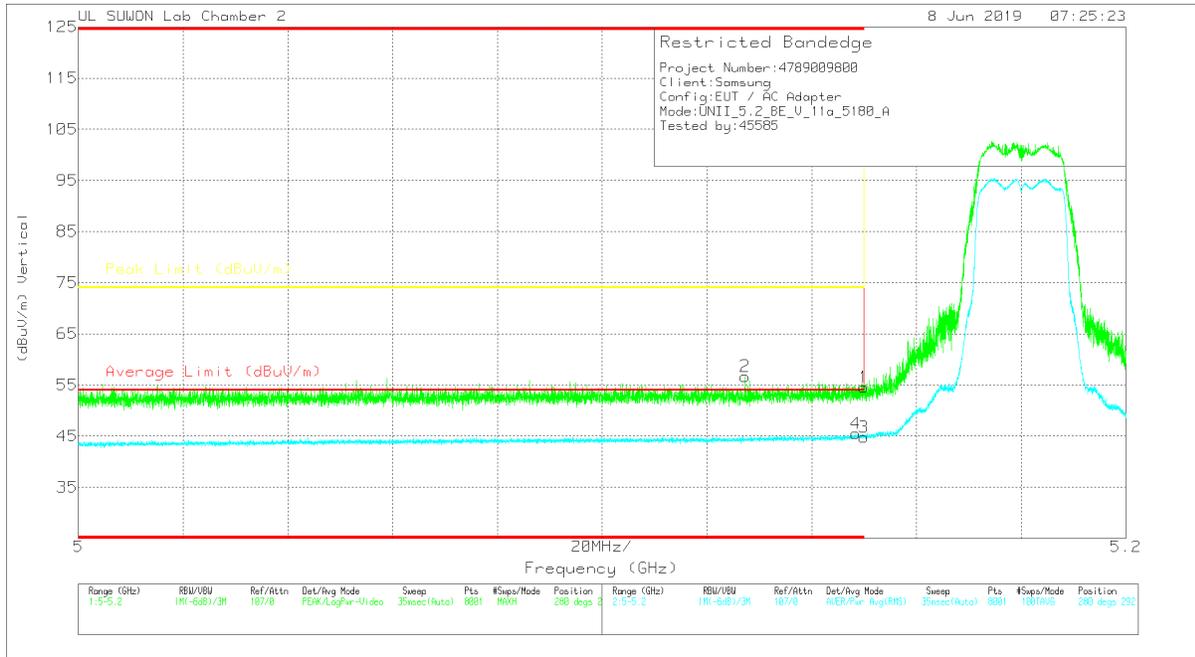
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.15	37.36	Pk	34.3	-18.2	0	53.46	-	-	74	-20.54	302	100	H
2	* 5.086	40.1	Pk	34.2	-18.1	0	56.2	-	-	74	-17.8	302	100	H
3	5.15	27.7	RMS	34.3	-17.3	0	44.7	54	-9.3	-	-	302	100	H
4	* 5.15	28.27	RMS	34.3	-17.3	0	45.27	54	-8.73	-	-	302	100	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	38.48	Pk	34.3	-18.2	0	54.58	-	-	74	-19.42	280	292	V
2	* 5.127	40.68	Pk	34.2	-18.2	0	56.68	-	-	74	-17.32	280	292	V
3	5.15	27.76	RMS	34.3	-17.3	0	44.76	54	-9.24	-	-	280	292	V
4	* 5.148	28.51	RMS	34.3	-17.3	0	45.51	54	-8.49	-	-	280	292	V

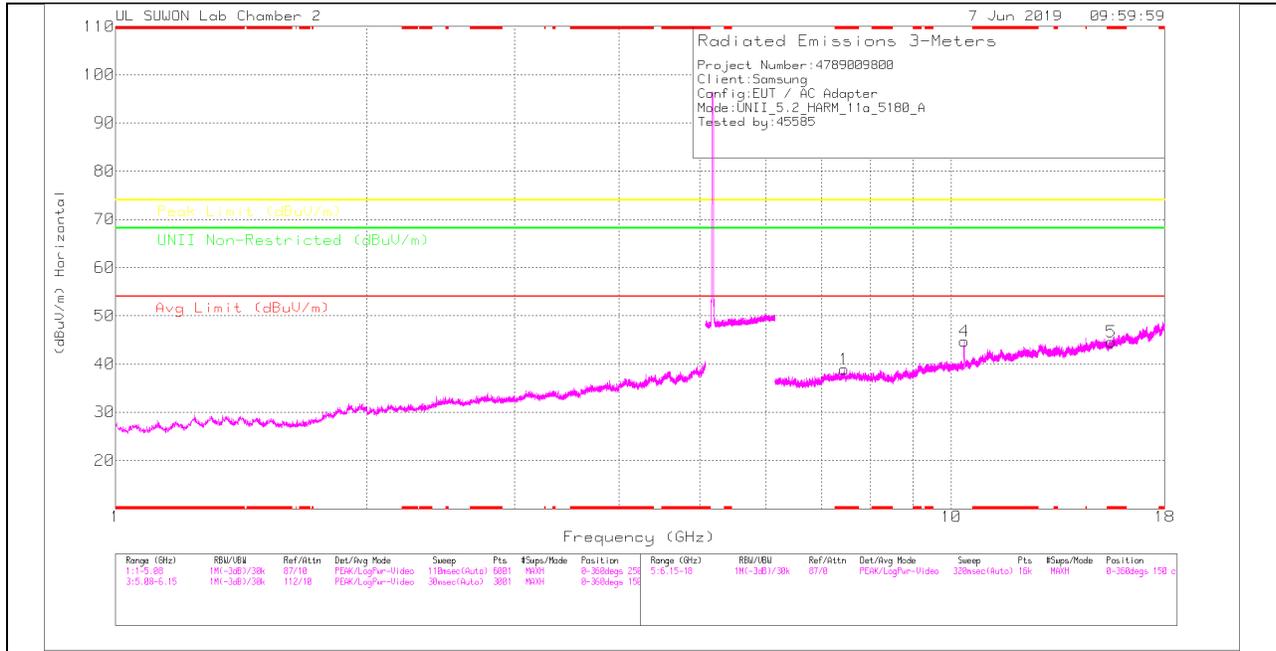
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

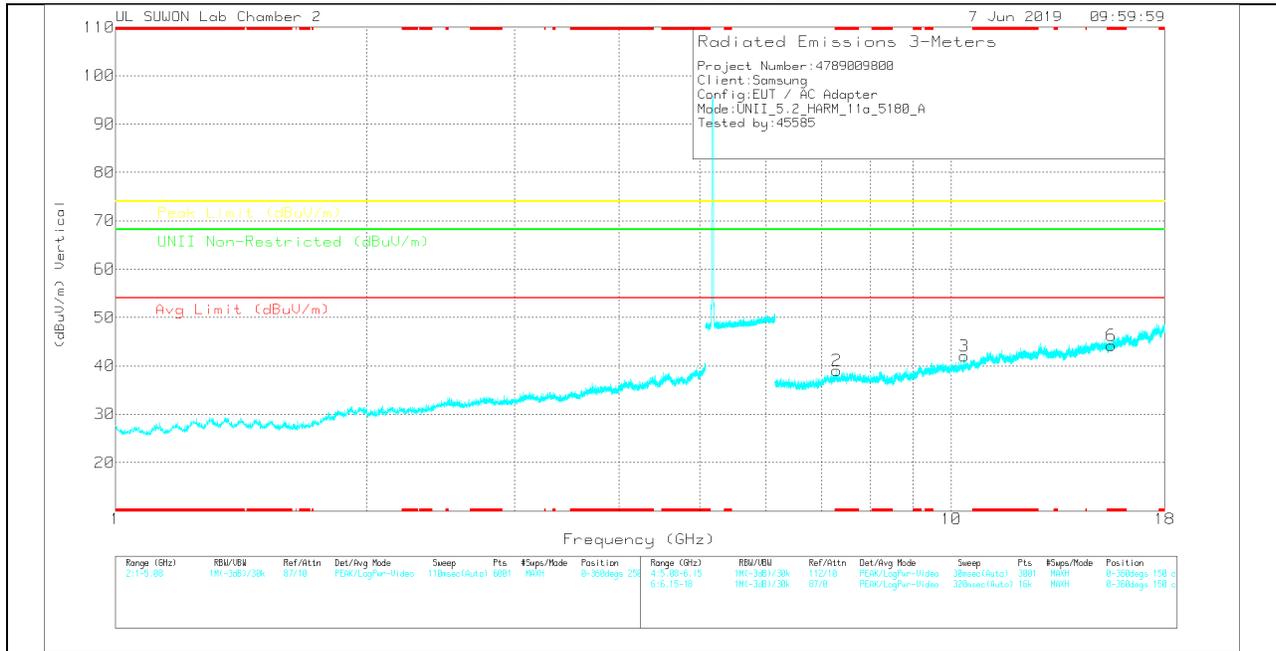
RMS - RMS detection

## 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_00188724	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.442	27.09	PK	36.2	-24.4	0	38.89	-	-	74	-35.11	-	-	0-360	150	H
4	10.356	28.37	PK	37.5	-21.1	0	44.77	-	-	-	-	68.2	-23.43	0-360	150	H
5	* 15.539	24.53	PK	39.9	-19.8	0	44.63	-	-	74	-29.37	-	-	0-360	250	H
2	* 7.293	27.9	PK	36.2	-25.1	0	39	-	-	74	-35	-	-	0-360	250	V
3	10.359	25.46	PK	37.5	-21	0	41.96	-	-	-	-	68.2	-26.24	0-360	150	V
6	* 15.541	24.06	PK	39.9	-19.7	0	44.26	-	-	74	-29.74	-	-	0-360	150	V

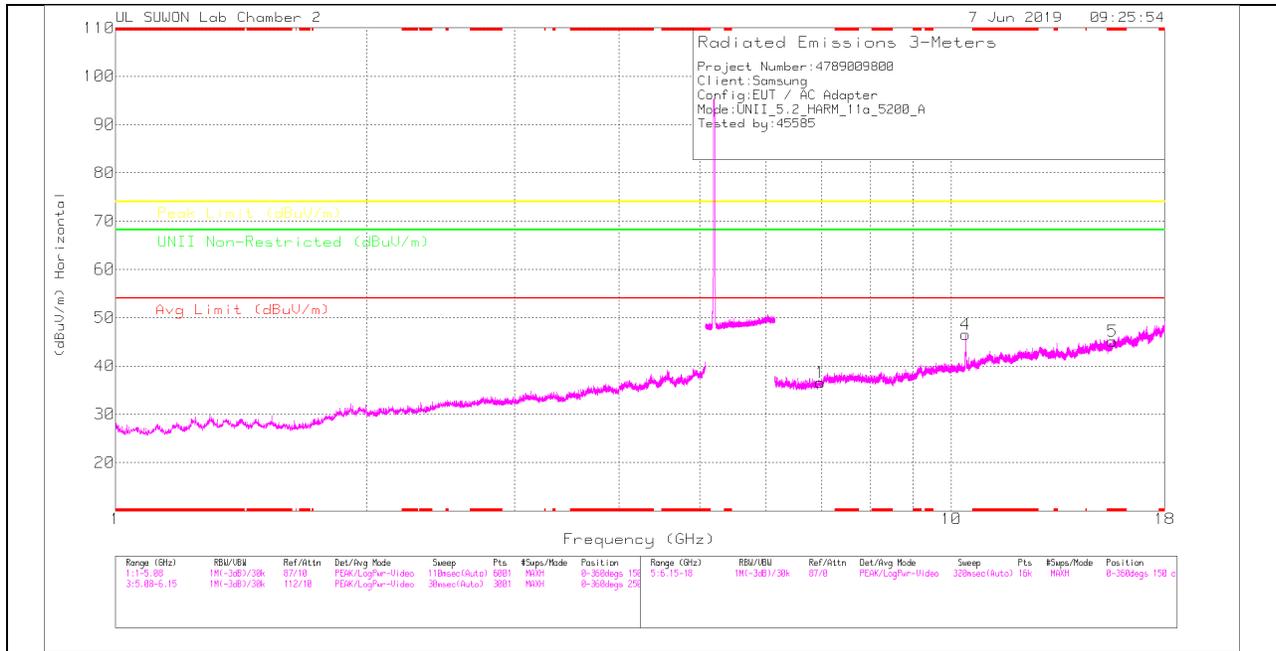
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

**Radiated Emissions**

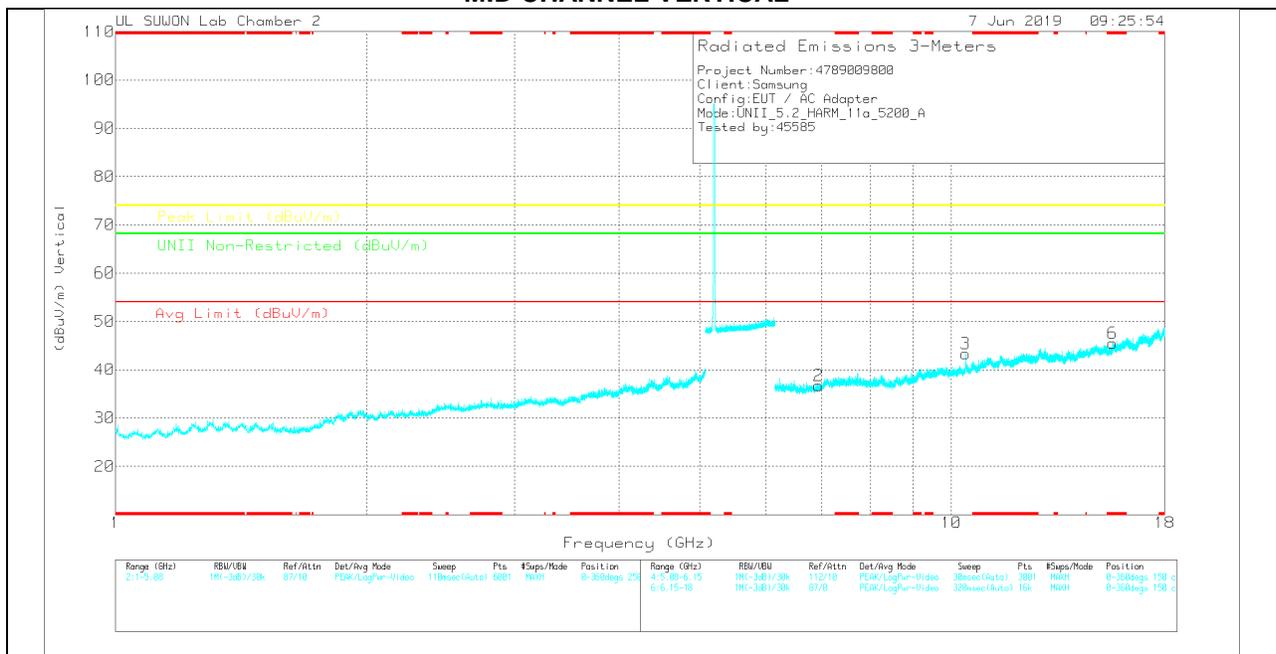
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	6GHz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.365	40.08	PK-U	37.6	-21.1	0	56.58	-	-	-	-	68.2	-11.62	158	247	H
10.359	36	PK-U	37.5	-21	0	52.5	-	-	-	-	68.2	-15.7	137	165	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)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	6.972	26.43	PK	35.8	-25.6	0	36.63	-	-	-	-	68.2	-31.57	0-360	250	H
4	10.401	29.91	PK	37.6	-21	0	46.51	-	-	-	-	68.2	-21.69	0-360	250	H
5	* 15.601	24.96	PK	40	-19.8	0	45.16	-	-	74	-28.84	-	-	0-360	150	H
2	6.937	26.27	PK	35.7	-25.3	0	36.67	-	-	-	-	68.2	-31.53	0-360	150	V
3	10.399	26.66	PK	37.6	-20.9	0	43.36	-	-	-	-	68.2	-24.84	0-360	150	V
6	* 15.6	25.35	PK	40	-19.8	0	45.55	-	-	74	-28.45	-	-	0-360	250	V

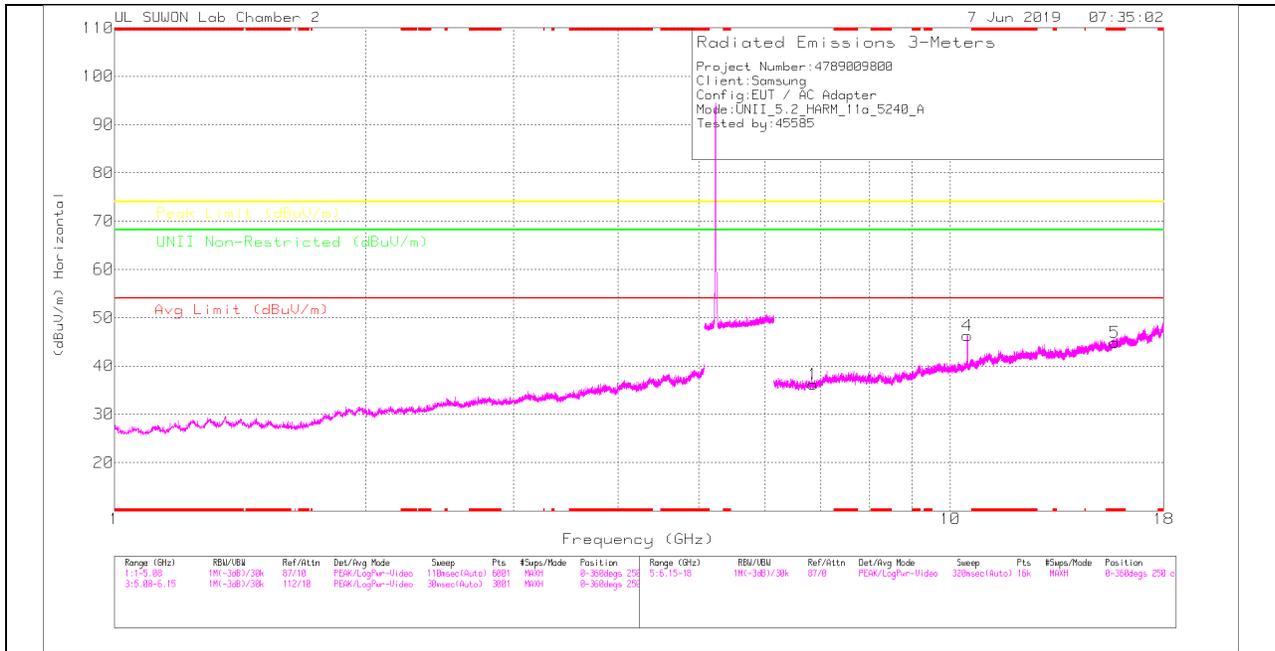
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

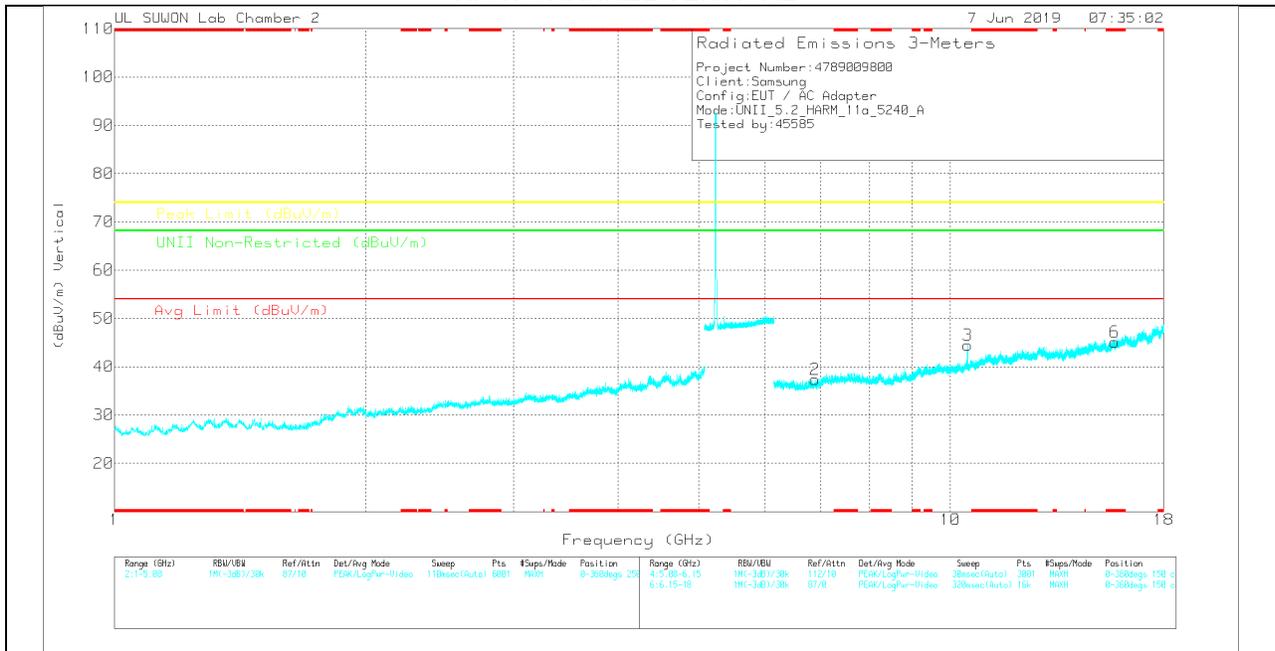
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.406	40.42	PK-U	37.6	-20.9	0	57.12	-	-	-	-	68.2	-11.08	161	155	H
10.399	36.39	PK-U	37.6	-20.9	0	53.09	-	-	-	-	68.2	-15.11	183	170	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_00188724	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)	Azimuth (Degs)	Height (cm)	Polarity
1	6.855	25.63	PK	35.6	-25	0	36.23	-	-	-	-	68.2	-31.97	0-360	250	H
4	10.479	29.41	PK	37.7	-20.8	0	46.31	-	-	-	-	68.2	-21.89	0-360	250	H
5	* 15.72	24.14	PK	40.2	-19.5	0	44.84	-	-	74	-29.16	-	-	0-360	250	H
2	6.889	26.77	PK	35.7	-25.1	0	37.37	-	-	-	-	68.2	-30.83	0-360	250	V
3	10.484	27.51	PK	37.7	-20.8	0	44.41	-	-	-	-	68.2	-23.79	0-360	250	V
6	* 15.721	24.53	PK	40.2	-19.6	0	45.13	-	-	74	-28.87	-	-	0-360	250	V

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

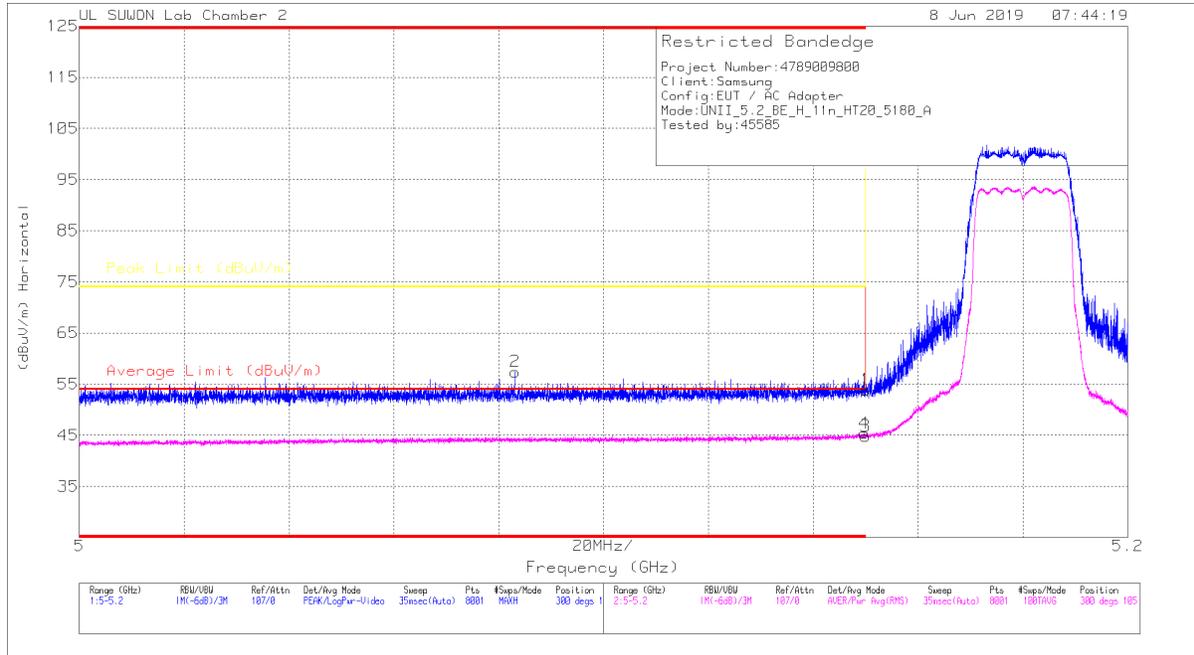
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	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)	Azimuth (Degs)	Height (cm)	Polarity
10.486	40.92	PK-U	37.7	-20.8	0	57.82	-	-	-	-	68.2	-10.38	212	100	H
10.478	38.59	PK-U	37.7	-20.8	0	55.49	-	-	-	-	68.2	-12.71	174	303	V

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

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

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

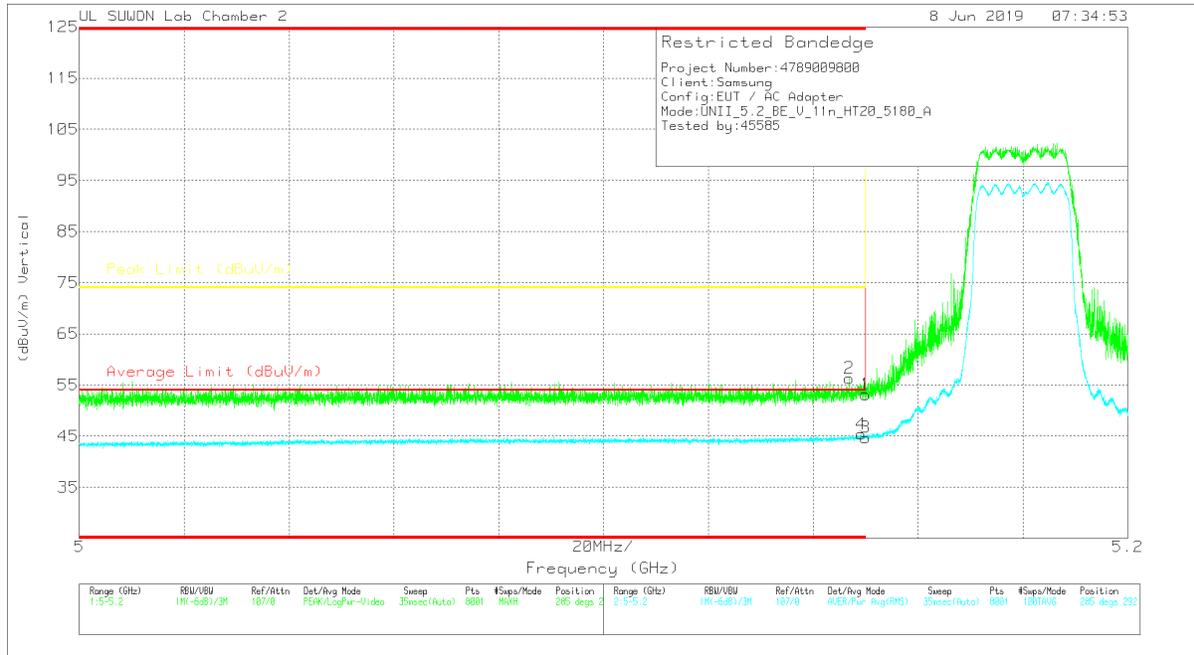
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.15	37.77	Pk	34.3	-18.2	0	53.87	-	-	74	-20.13	300	105	H
2	* 5.083	41.44	Pk	34.2	-18.2	0	57.44	-	-	74	-16.56	300	105	H
3	5.15	27.84	RMS	34.3	-17.3	0	44.84	54	-9.16	-	-	300	105	H
4	* 5.15	28.42	RMS	34.3	-17.3	0	45.42	54	-8.58	-	-	300	105	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



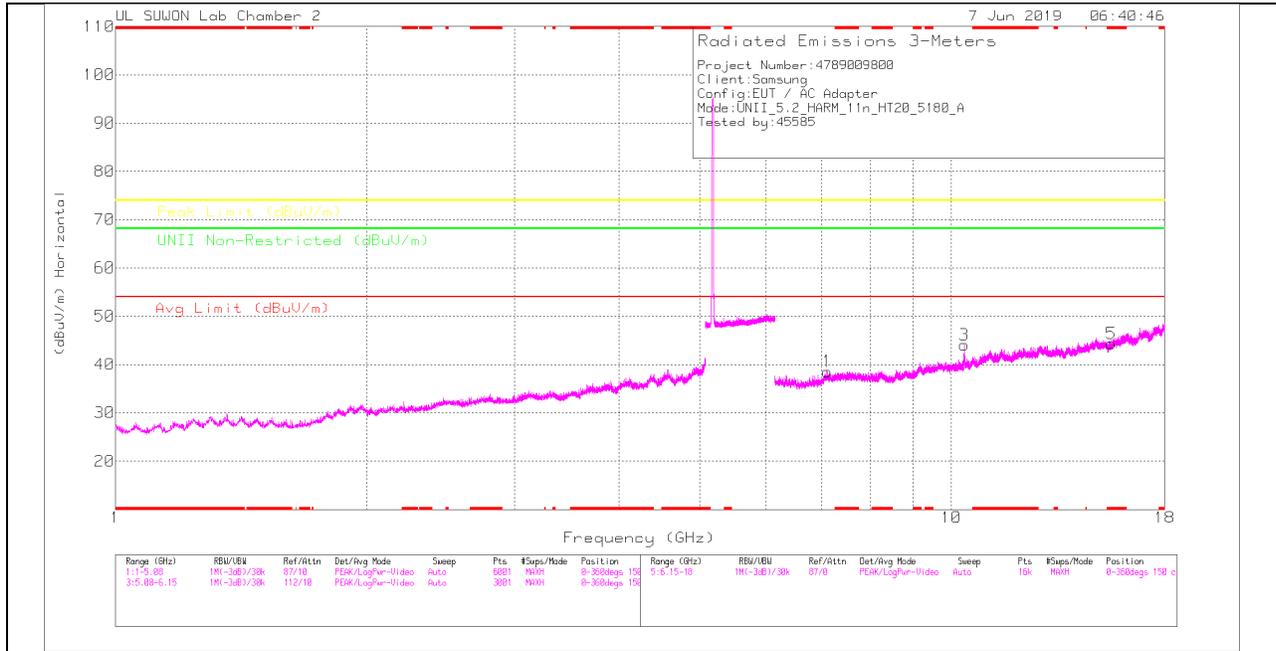
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	37.07	Pk	34.3	-18.2	0	53.17	-	-	74	-20.83	285	292	V
2	* 5.147	40.11	Pk	34.3	-18.1	0	56.31	-	-	74	-17.69	285	292	V
3	5.15	27.73	RMS	34.3	-17.3	0	44.73	54	-9.27	-	-	285	292	V
4	* 5.149	28.37	RMS	34.3	-17.3	0	45.37	54	-8.63	-	-	285	292	V

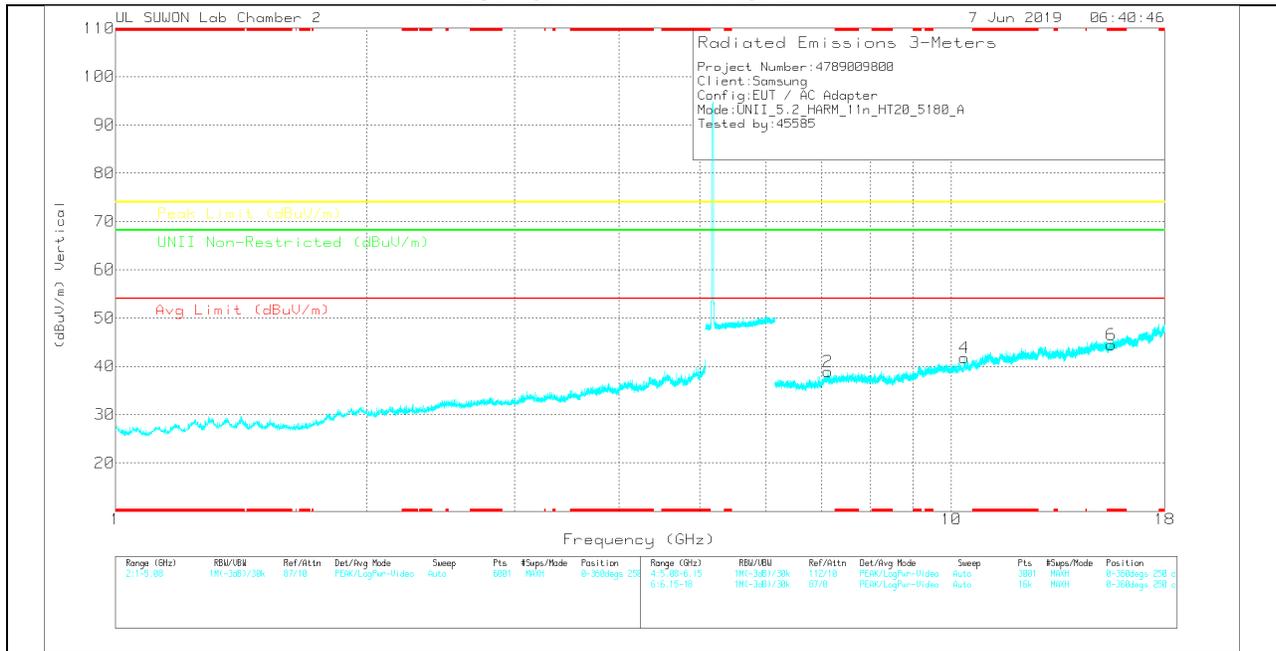
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## 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_00188724	6GHz_HPI(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Agc Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.108	26.28	PK	36	-23.7	0	38.58	-	-	-	-	68.2	-29.62	0-360	250	H
3	10.357	27.53	PK	37.5	-21	0	44.03	-	-	-	-	68.2	-24.17	0-360	250	H
5	* 15.542	24.11	PK	39.9	-19.7	0	44.31	-	-	74	-29.69	-	-	0-360	150	H
2	7.113	26.61	PK	36	-23.7	0	38.91	-	-	-	-	68.2	-29.29	0-360	150	V
4	10.362	25.36	PK	37.5	-21.1	0	41.76	-	-	-	-	68.2	-26.44	0-360	250	V
6	* 15.543	24.24	PK	39.9	-19.7	0	44.44	-	-	74	-29.56	-	-	0-360	150	V

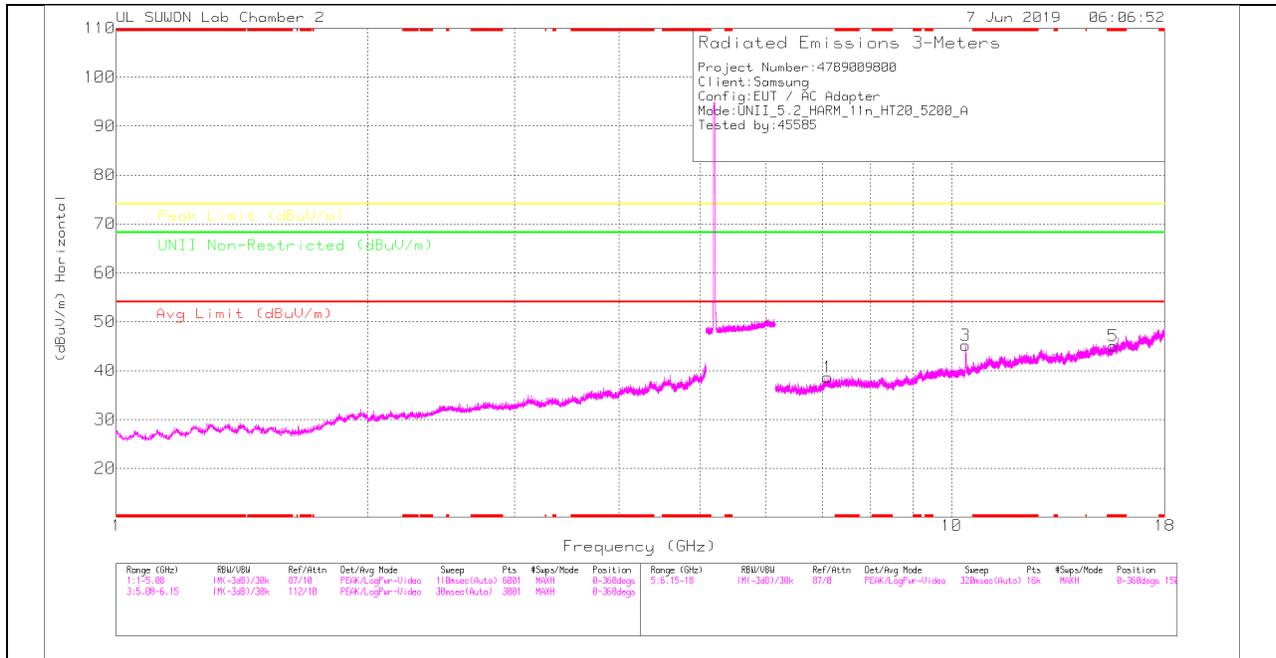
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

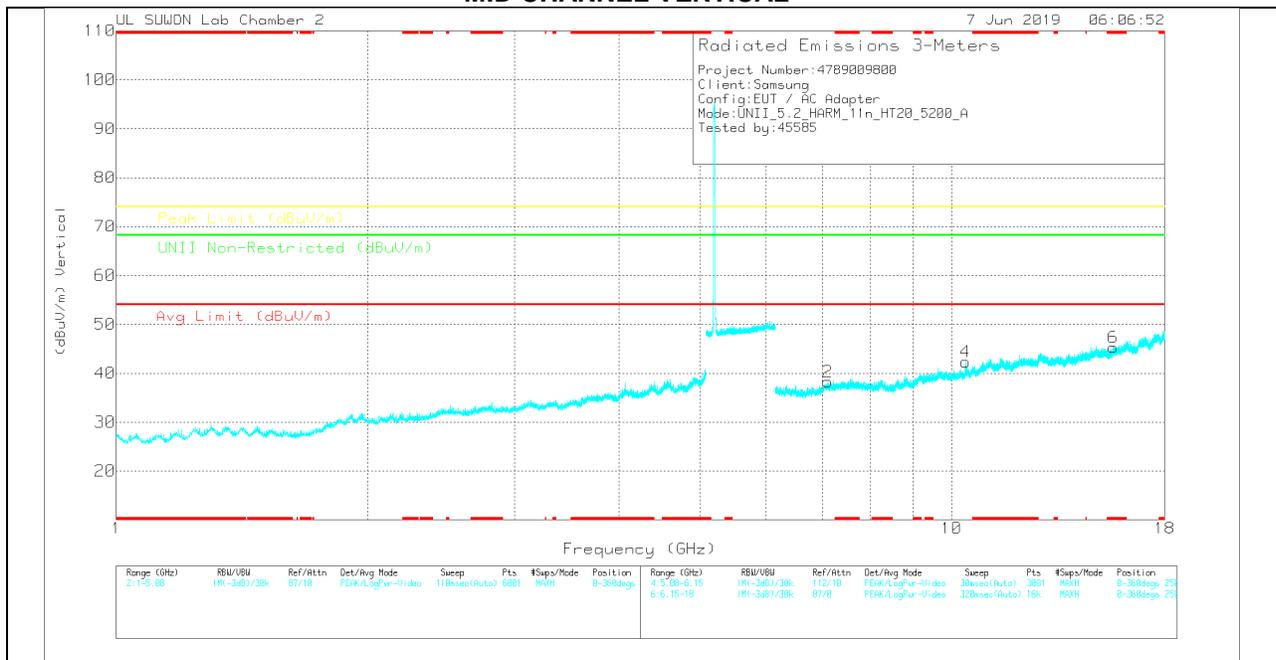
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	6GHz_HPI(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Agc Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.358	38.37	PK-U	37.5	-21	0	54.87	-	-	-	-	68.2	-13.33	208	234	H
10.362	35.92	PK-U	37.5	-21.1	0	52.32	-	-	-	-	68.2	-15.88	176	293	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)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	7.108	26.38	PK	36	-23.7	0	38.68	-	-	-	-	68.2	-29.52	0-360	150	H
3	10.399	28.48	PK	37.6	-20.9	0	45.18	-	-	-	-	68.2	-23.02	0-360	250	H
5	* 15.618	24.97	PK	40	-19.9	0	45.07	-	-	74	-28.93	-	-	0-360	150	H
2	7.108	25.97	PK	36	-23.7	0	38.27	-	-	-	-	68.2	-29.93	0-360	150	V
4	10.4	25.72	PK	37.6	-21	0	42.32	-	-	-	-	68.2	-25.88	0-360	250	V
6	* 15.617	25.12	PK	40	-19.8	0	45.32	-	-	74	-28.68	-	-	0-360	250	V

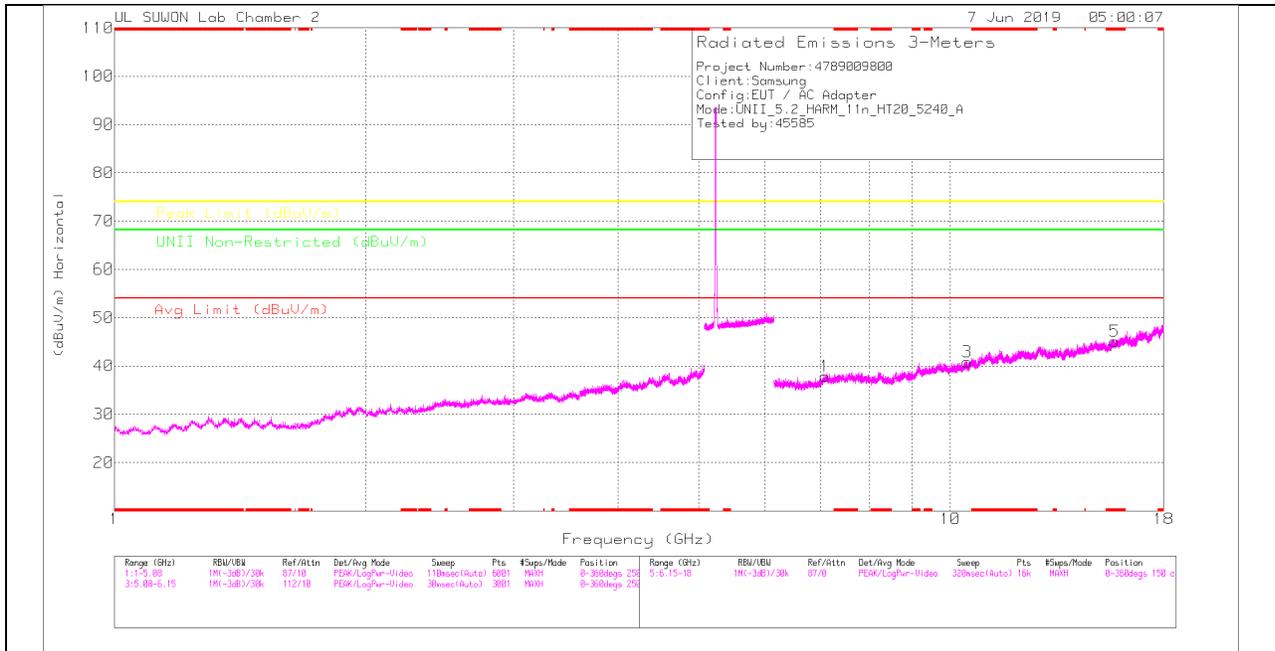
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

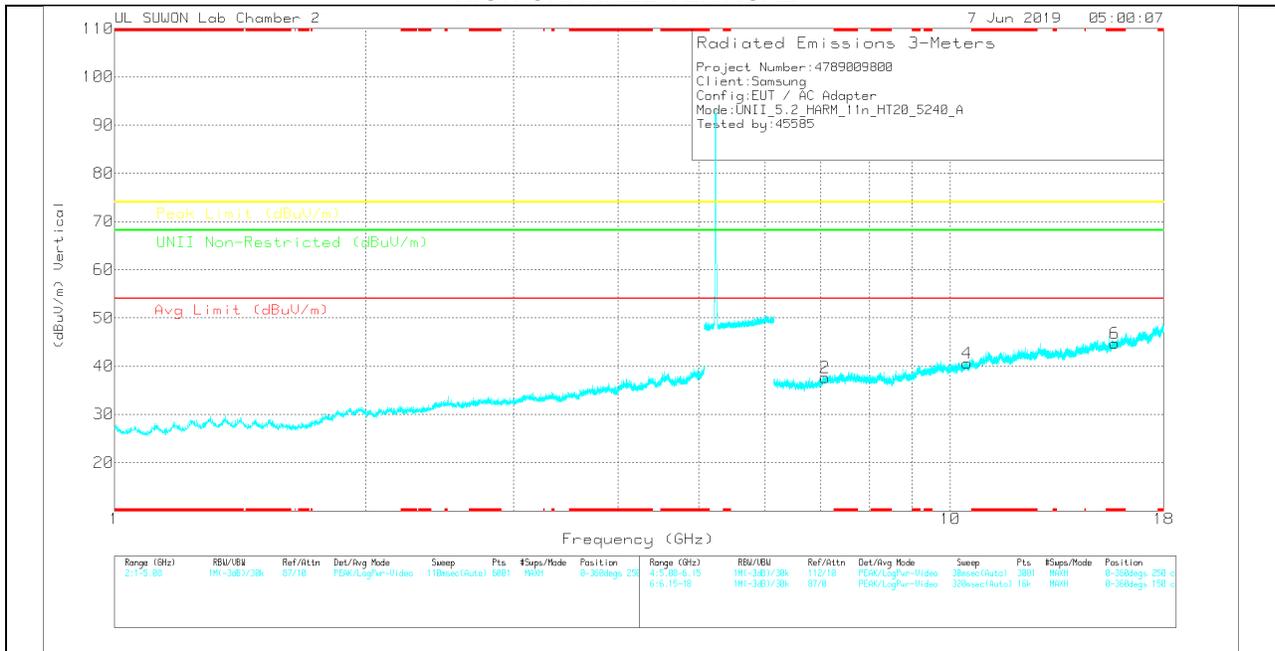
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.4	39.36	PK-U	37.6	-21	0	55.96	-	-	-	-	68.2	-12.24	214	237	H
10.4	36.9	PK-U	37.6	-21	0	53.5	-	-	-	-	68.2	-14.7	159	261	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

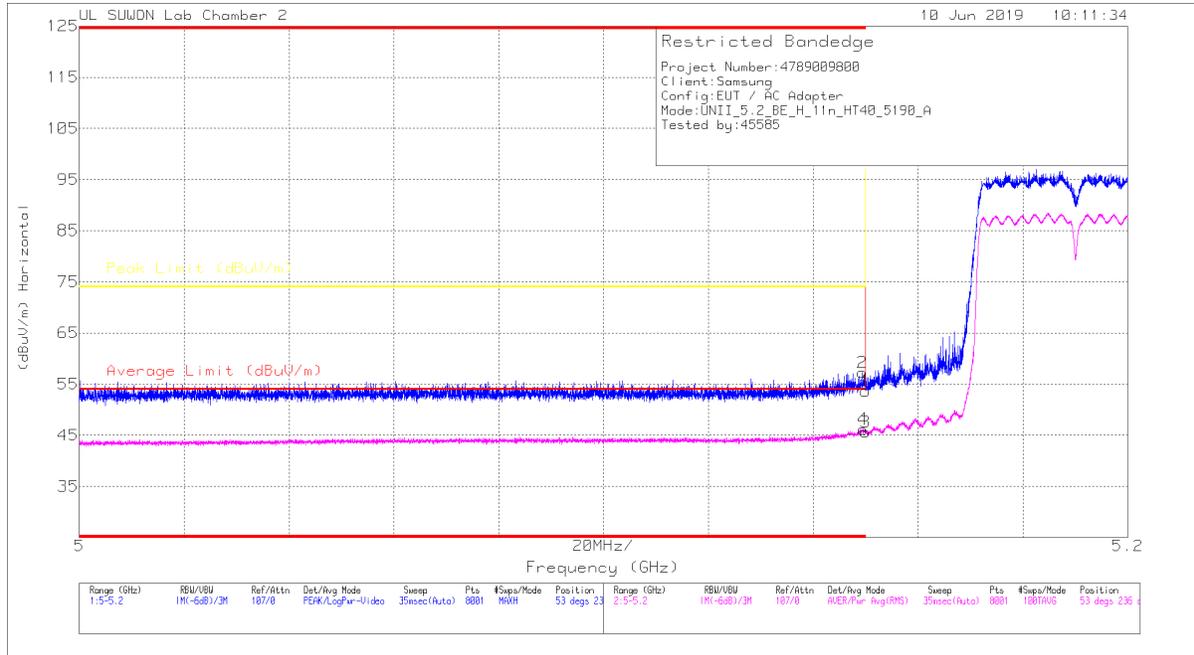
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	7.079	26.01	PK	35.9	-24	0	37.91	-	-	-	-	68.2	-30.29	0-360	250	H
3	10.473	23.89	PK	37.7	-20.7	0	40.89	-	-	-	-	68.2	-27.31	0-360	150	H
5	* 15.723	24.46	PK	40.2	-19.6	0	45.06	-	-	74	-28.94	-	-	0-360	150	H
2	7.081	25.62	PK	35.9	-23.9	0	37.62	-	-	-	-	68.2	-30.58	0-360	150	V
4	10.477	23.69	PK	37.7	-20.8	0	40.59	-	-	-	-	68.2	-27.61	0-360	150	V
6	* 15.721	24.13	PK	40.2	-19.6	0	44.73	-	-	74	-29.27	-	-	0-360	150	V

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

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 11.1.3.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

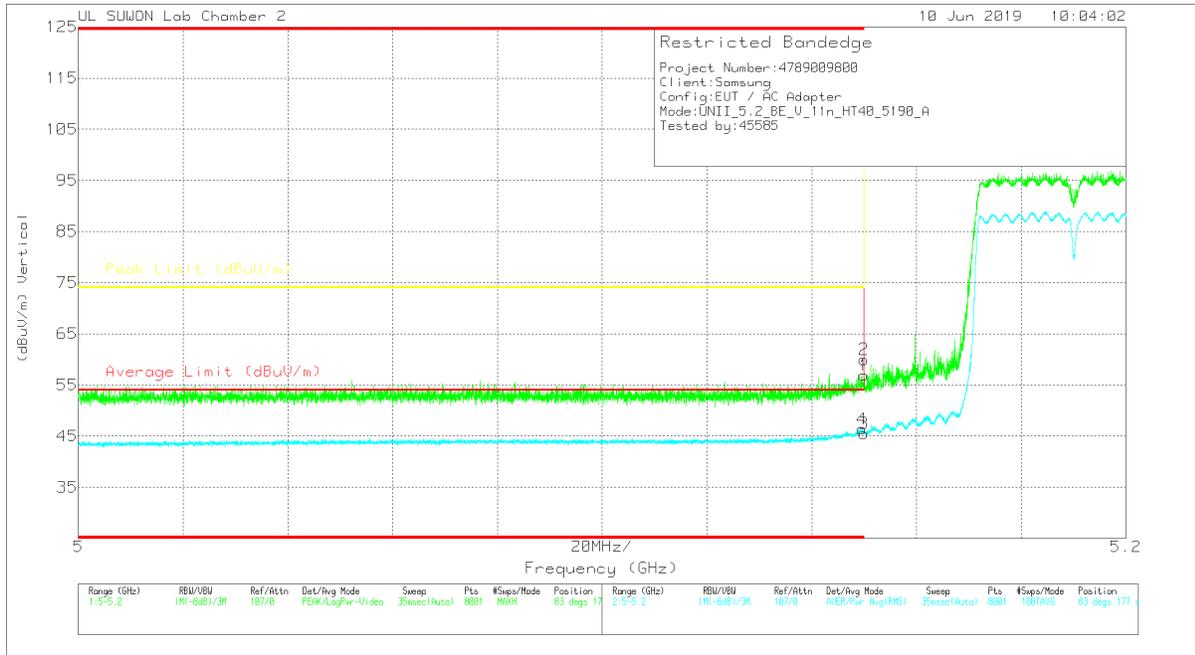
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	37.56	Pk	34.3	-18.2	0	53.66	-	-	74	-20.34	53	236	H
2	* 5.149	41.12	Pk	34.3	-18.2	0	57.22	-	-	74	-16.78	53	236	H
3	5.15	28.65	RMS	34.3	-17.3	0	45.65	54	-8.35	-	-	53	236	H
4	* 5.149	29.18	RMS	34.3	-17.3	0	46.18	54	-7.82	-	-	53	236	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_00168724	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	40.78	Pk	34.3	-18.2	0	56.88	-	-	74	-17.12	83	177	V
2	* 5.15	43.87	Pk	34.3	-18.2	0	59.97	-	-	74	-14.03	83	177	V
3	5.15	28.49	RMS	34.3	-17.3	0	45.49	54	-8.51	-	-	83	177	V
4	* 5.15	29.38	RMS	34.3	-17.3	0	46.38	54	-7.62	-	-	83	177	V

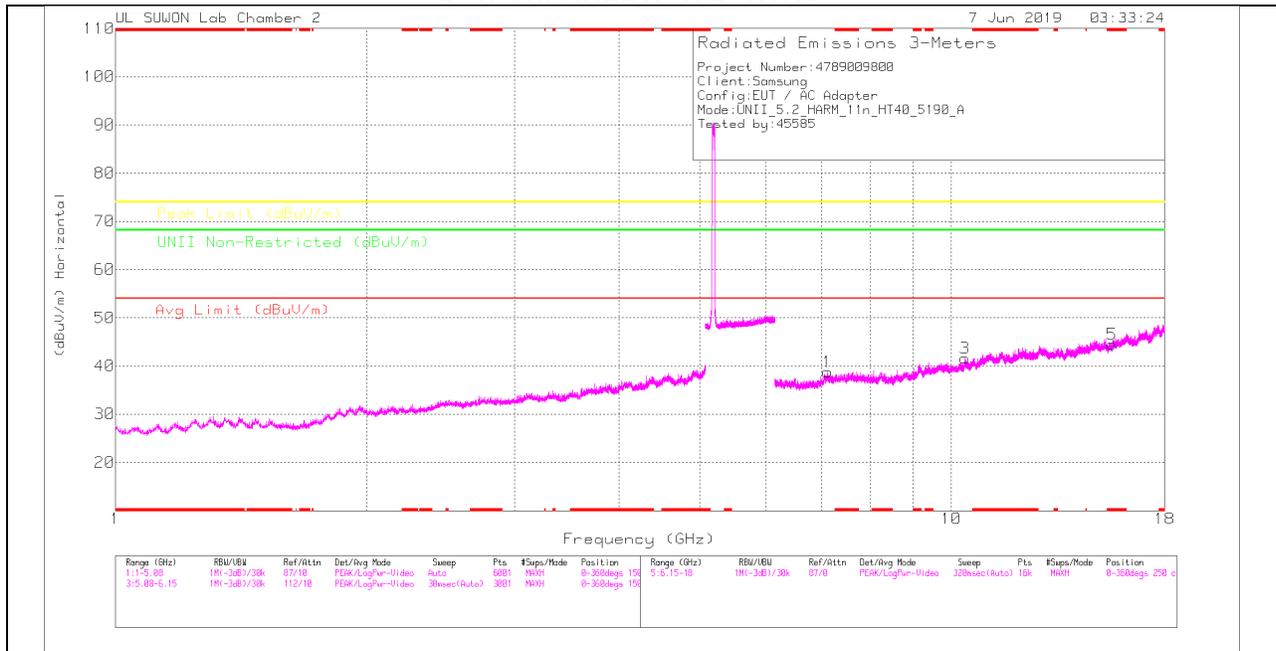
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

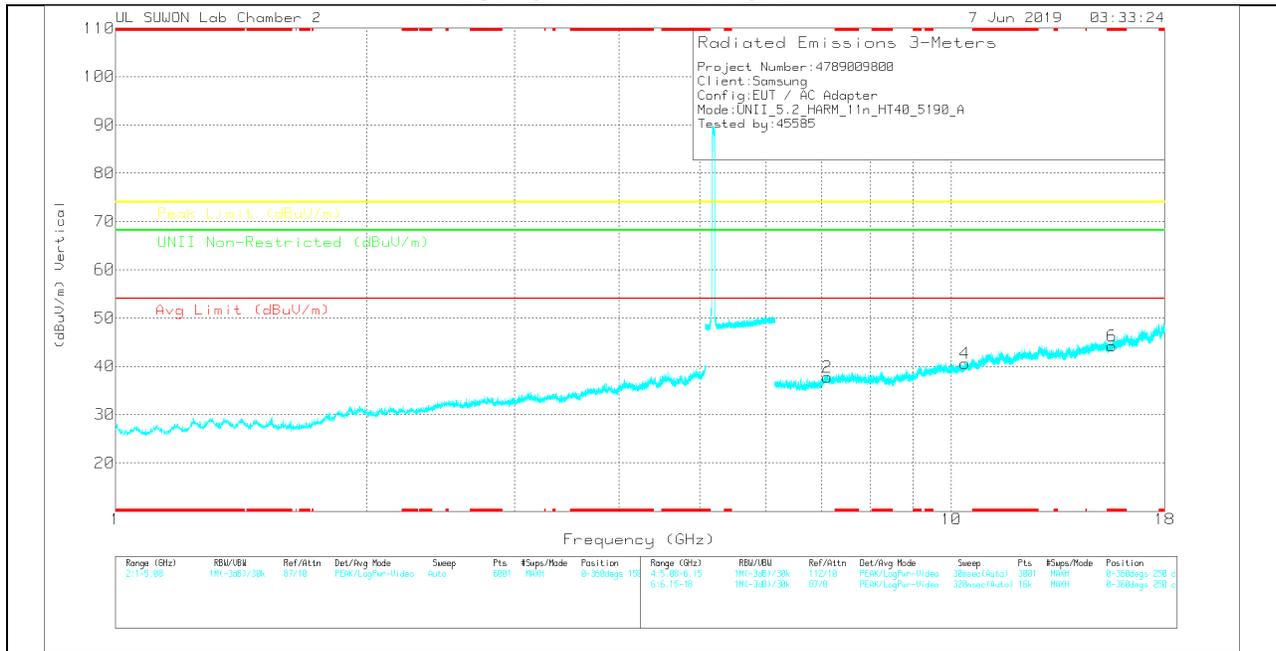
RMS - RMS detection

## 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**

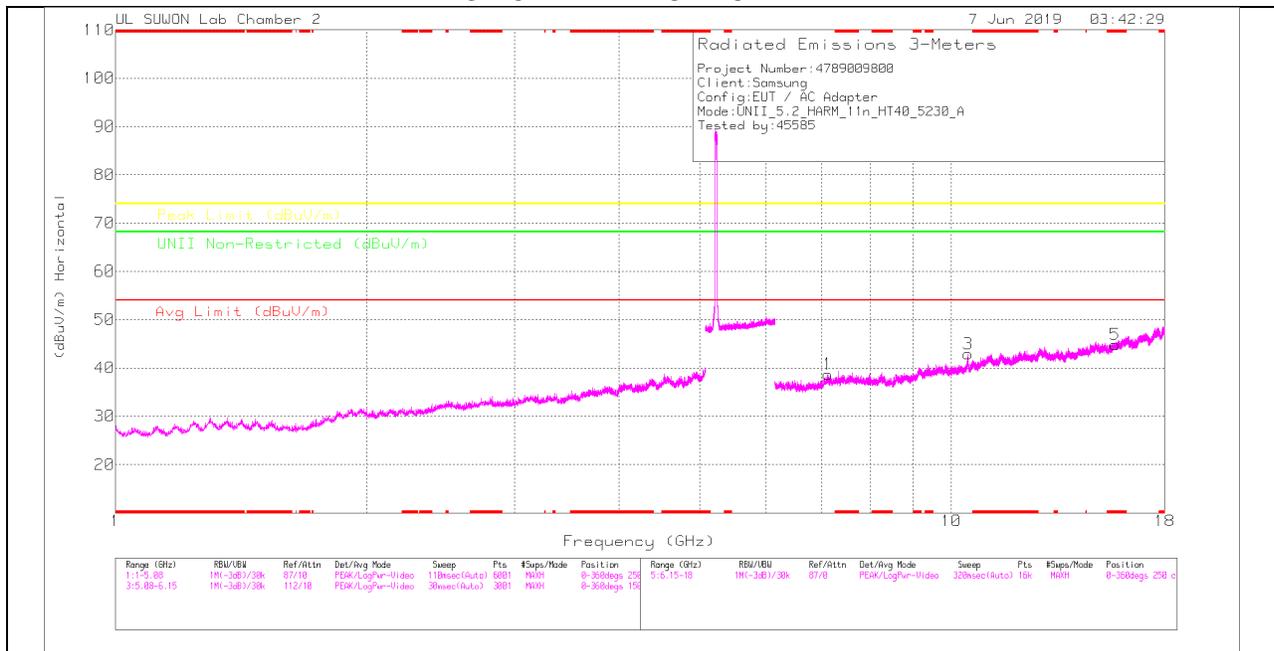
Trace Markers

Marker	Frequency (GHz)	Meas 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)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.111	26.45	PK	36	-23.7	0	38.75	-	-	-	-	68.2	-29.45	0-360	150	H
3	10.377	25.01	PK	37.6	-21	0	41.61	-	-	-	-	68.2	-26.59	0-360	250	H
5	* 15.562	24.11	PK	40	-19.7	0	44.41	-	-	74	-29.59	-	-	0-360	150	H
2	7.107	25.47	PK	36	-23.7	0	37.77	-	-	-	-	68.2	-30.43	0-360	150	V
4	10.378	23.97	PK	37.6	-21	0	40.57	-	-	-	-	68.2	-27.63	0-360	150	V
6	* 15.565	23.87	PK	40	-19.7	0	44.17	-	-	74	-29.83	-	-	0-360	250	V

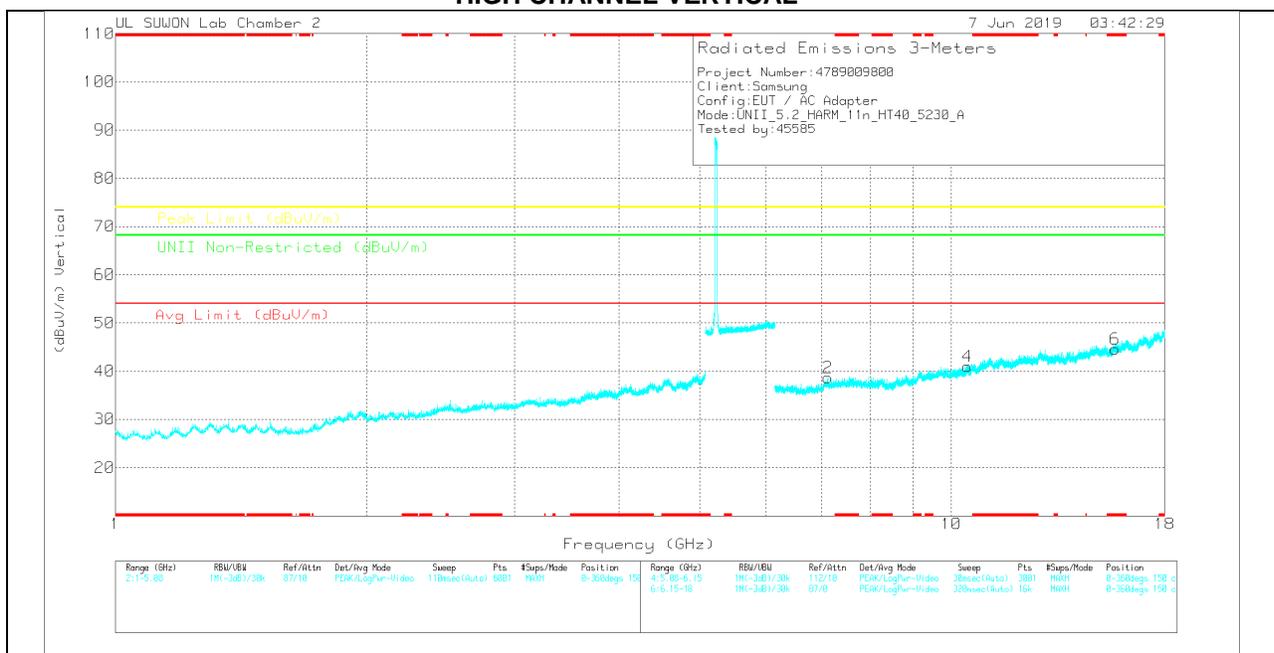
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 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_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Agc Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.116	26.51	PK	36	-23.8	0	38.71	-	-	-	-	68.2	-29.49	0-360	150	H
3	10.463	26.01	PK	37.6	-20.7	0	42.91	-	-	-	-	68.2	-25.29	0-360	250	H
5	* 15.694	24.45	PK	40.2	-19.8	0	44.85	-	-	74	-29.15	-	-	0-360	150	H
2	7.114	26.39	PK	36	-23.8	0	38.59	-	-	-	-	68.2	-29.61	0-360	250	V
4	10.458	24.09	PK	37.6	-20.7	0	40.99	-	-	-	-	68.2	-27.21	0-360	250	V
6	* 15.692	24.22	PK	40.2	-19.8	0	44.62	-	-	74	-29.38	-	-	0-360	250	V

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

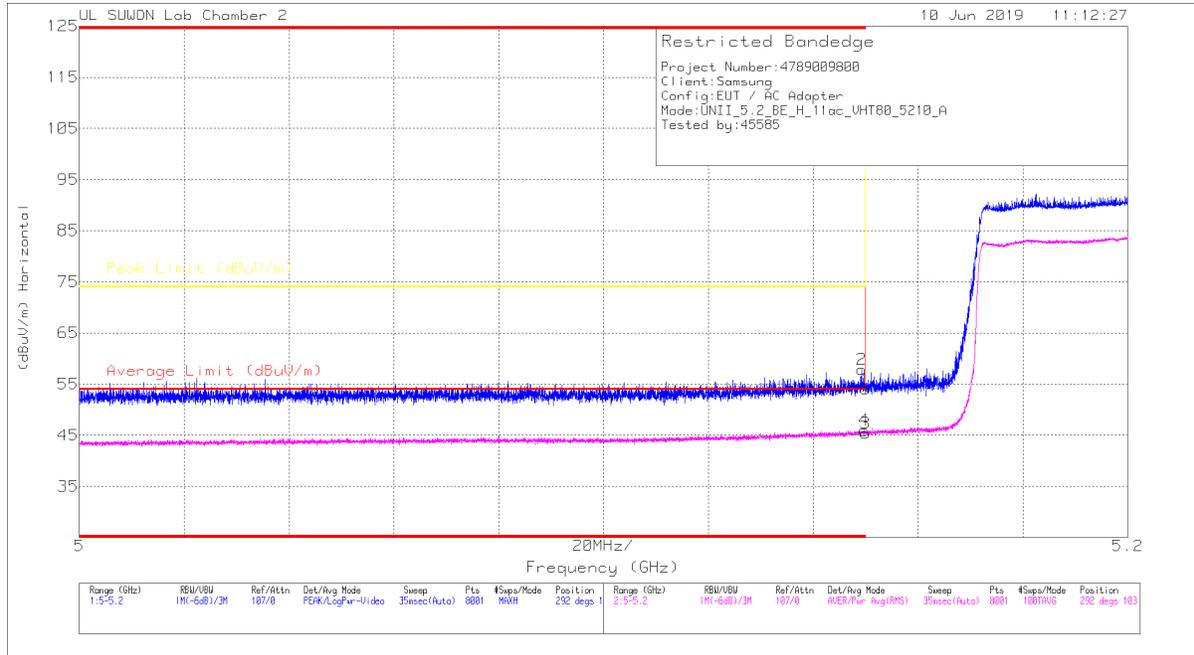
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Agc Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.468	37.61	PK-U	37.7	-20.7	0	54.61	-	-	-	-	68.2	-13.59	137	165	H
10.461	35.96	PK-U	37.6	-20.7	0	52.86	-	-	-	-	68.2	-15.34	176	155	V

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

### 11.1.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx CDD MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

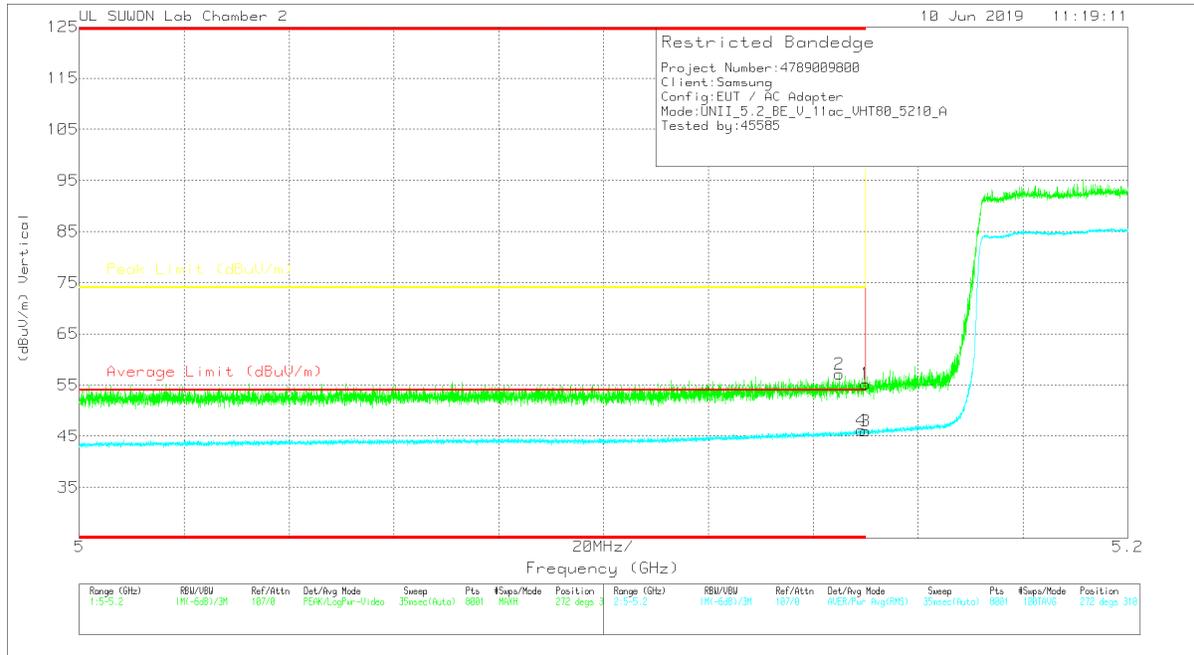
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.15	38.01	Pk	34.3	-18.2	0	54.11	-	-	74	-19.89	292	103	H
2	* 5.149	41.74	PK	34.3	-18.2	0	57.84	-	-	74	-16.16	292	103	H
3	5.15	28.42	RMS	34.3	-17.3	0	45.42	54	-8.58	-	-	292	103	H
4	* 5.15	28.97	RMS	34.3	-17.3	0	45.97	54	-8.03	-	-	292	103	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



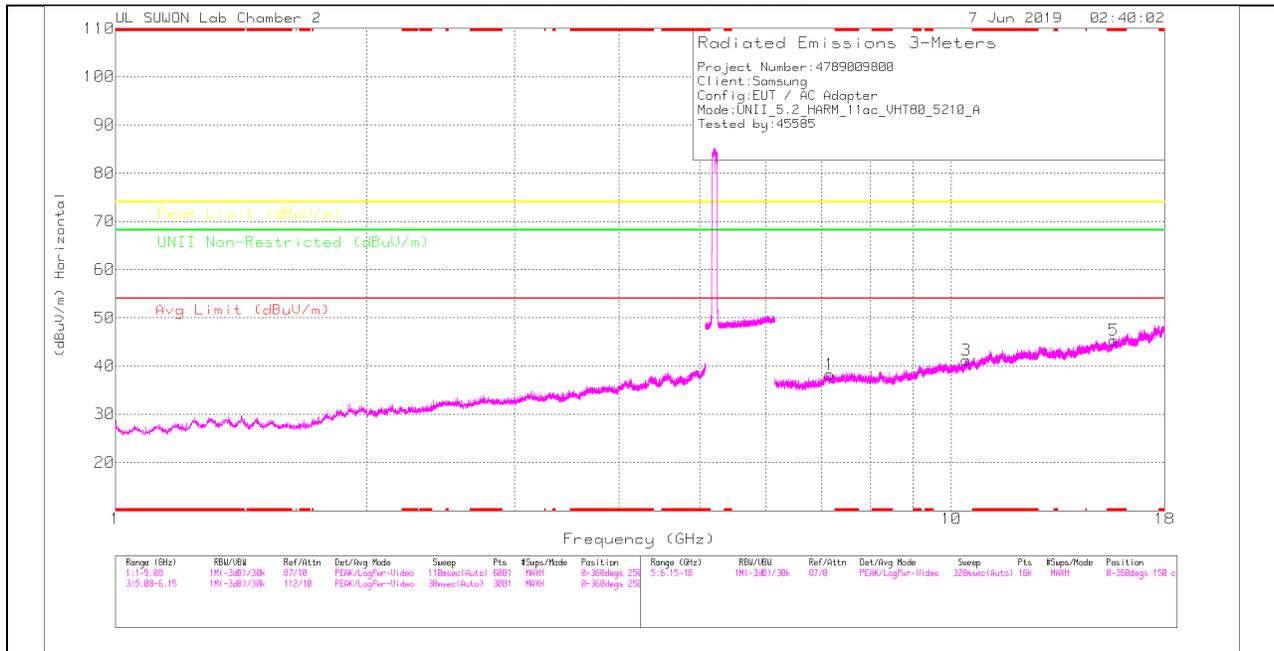
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.15	39.12	Pk	34.3	-18.2	0	55.22	-	-	74	-18.78	272	310	V
2	* 5.145	41.04	Pk	34.3	-18.2	0	57.14	-	-	74	-16.86	272	310	V
3	5.15	29.03	RMS	34.3	-17.3	0	46.03	54	-7.97	-	-	272	310	V
4	* 5.149	29.16	RMS	34.3	-17.3	0	46.16	54	-7.84	-	-	272	310	V

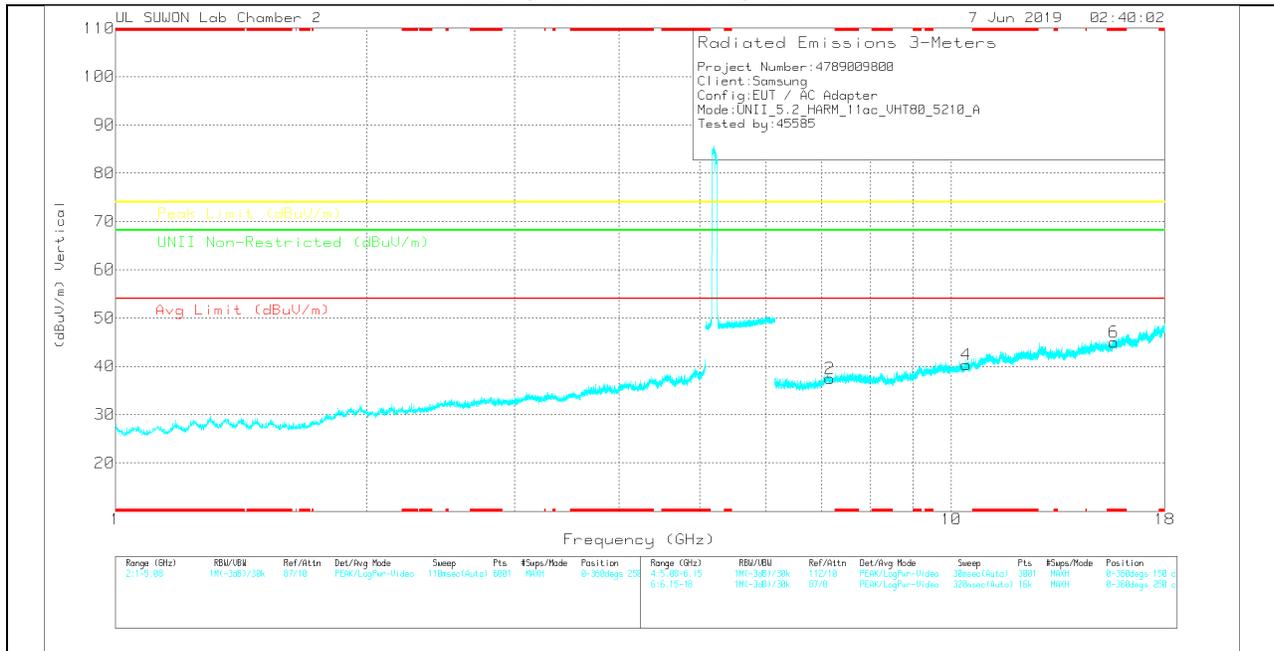
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## 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)	Meas 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)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.156	26.8	PK	36	-24.6	0	38.2	-	-	-	-	68.2	-30	0-360	250	H
3	10.422	24.58	PK	37.6	-20.9	0	41.28	-	-	-	-	68.2	-26.92	0-360	150	H
5	* 15.633	25.21	PK	40.1	-19.9	0	45.41	-	-	74	-28.59	-	-	0-360	150	H
2	7.16	26.2	PK	36	-24.7	0	37.5	-	-	-	-	68.2	-30.7	0-360	150	V
4	10.419	23.6	PK	37.6	-20.9	0	40.3	-	-	-	-	68.2	-27.9	0-360	250	V
6	* 15.632	24.79	PK	40.1	-19.9	0	44.99	-	-	74	-29.01	-	-	0-360	150	V

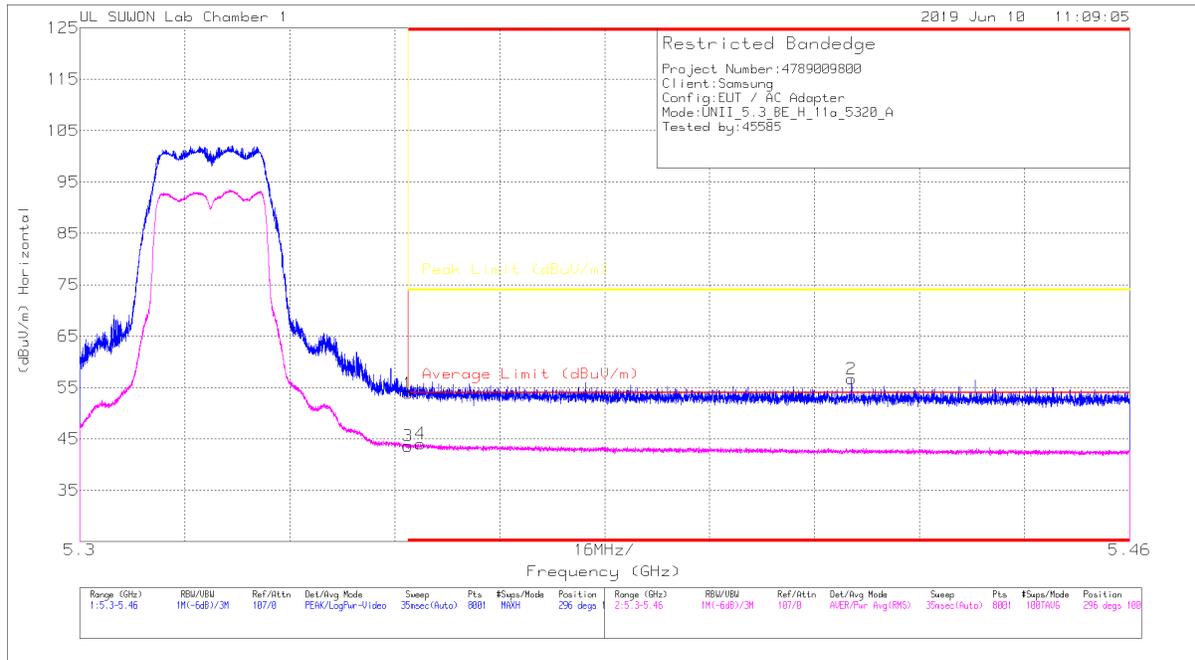
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

## 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

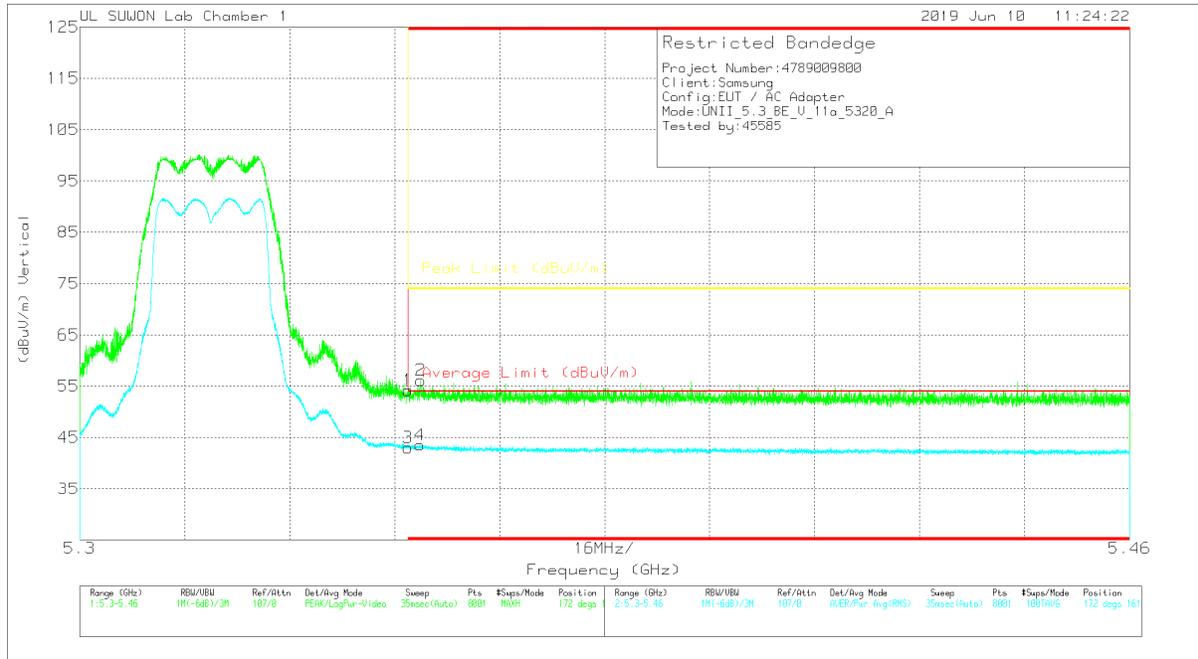
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	40.77	PK	34.7	-21.6	0	53.87	-	-	74	-20.13	296	100	H
2	* 5.41762	43.5	PK	34.7	-21.5	0	56.7	-	-	74	-17.3	296	100	H
3	* 5.35002	30.63	RMS	34.7	-21.7	0	43.63	54	-10.37	-	-	296	100	H
4	* 5.35192	31.06	RMS	34.7	-21.7	0	44.06	54	-9.94	-	-	296	100	H

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

PK - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	41.12	Pk	34.7	-21.6	0	54.22	-	-	74	-19.78	172	161	V
2	* 5.35198	43.05	Pk	34.7	-21.6	0	56.15	-	-	74	-17.85	172	161	V
3	* 5.35002	30.02	RMS	34.7	-21.7	0	43.02	54	-10.98	-	-	172	161	V
4	* 5.35186	30.52	RMS	34.7	-21.7	0	43.52	54	-10.48	-	-	172	161	V

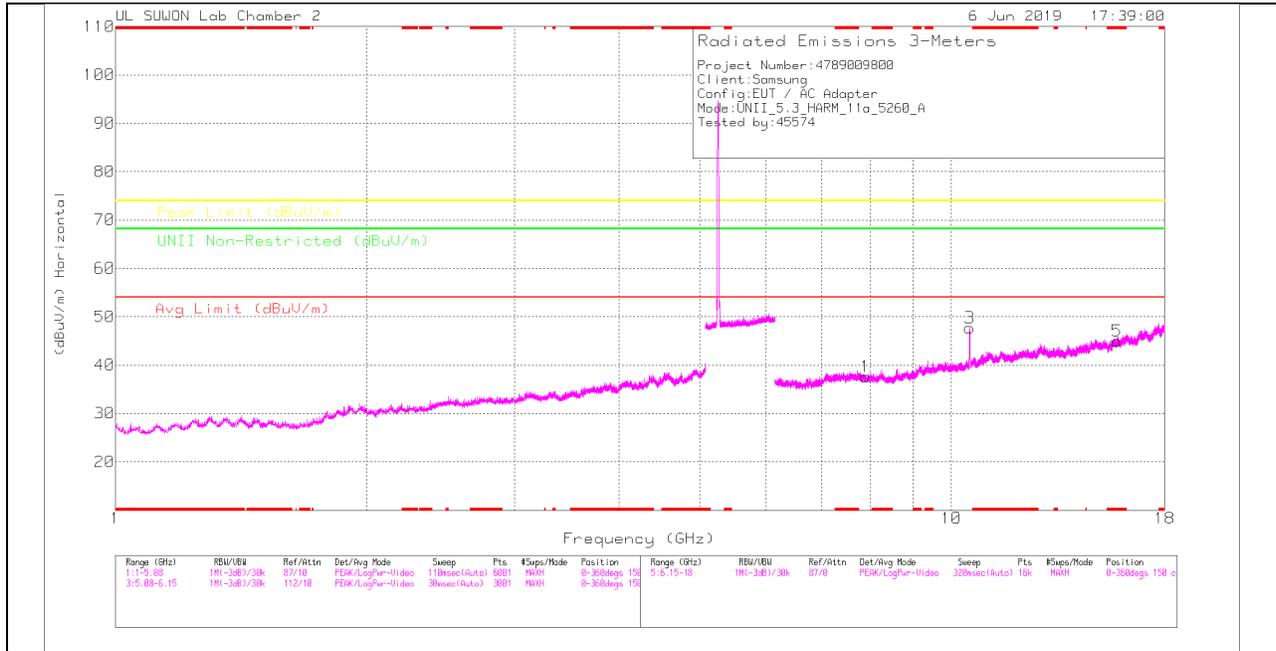
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

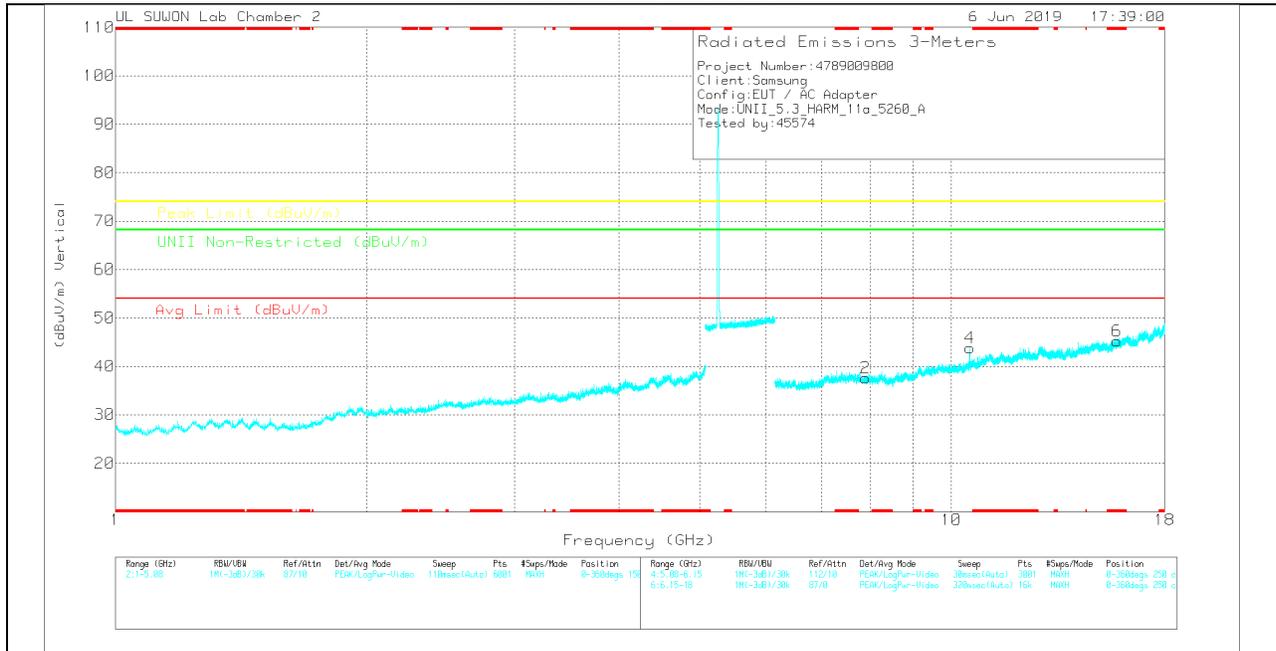
RMS - RMS detection

## 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_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.89	26	PK	35.9	-24.3	0	37.6	-	-	-	-	68.2	-30.6	0-360	150	H
3	10.516	30.68	PK	37.7	-20.7	0	47.68	-	-	-	-	68.2	-20.52	0-360	150	H
5	* 15.782	24.56	PK	40.3	-19.9	0	44.96	-	-	74	-29.04	-	-	0-360	250	H
2	7.89	26.01	PK	35.9	-24.3	0	37.61	-	-	-	-	68.2	-30.59	0-360	150	V
4	10.519	26.81	PK	37.7	-20.7	0	43.81	-	-	-	-	68.2	-24.39	0-360	250	V
6	* 15.78	24.89	PK	40.3	-19.9	0	45.29	-	-	74	-28.71	-	-	0-360	250	V

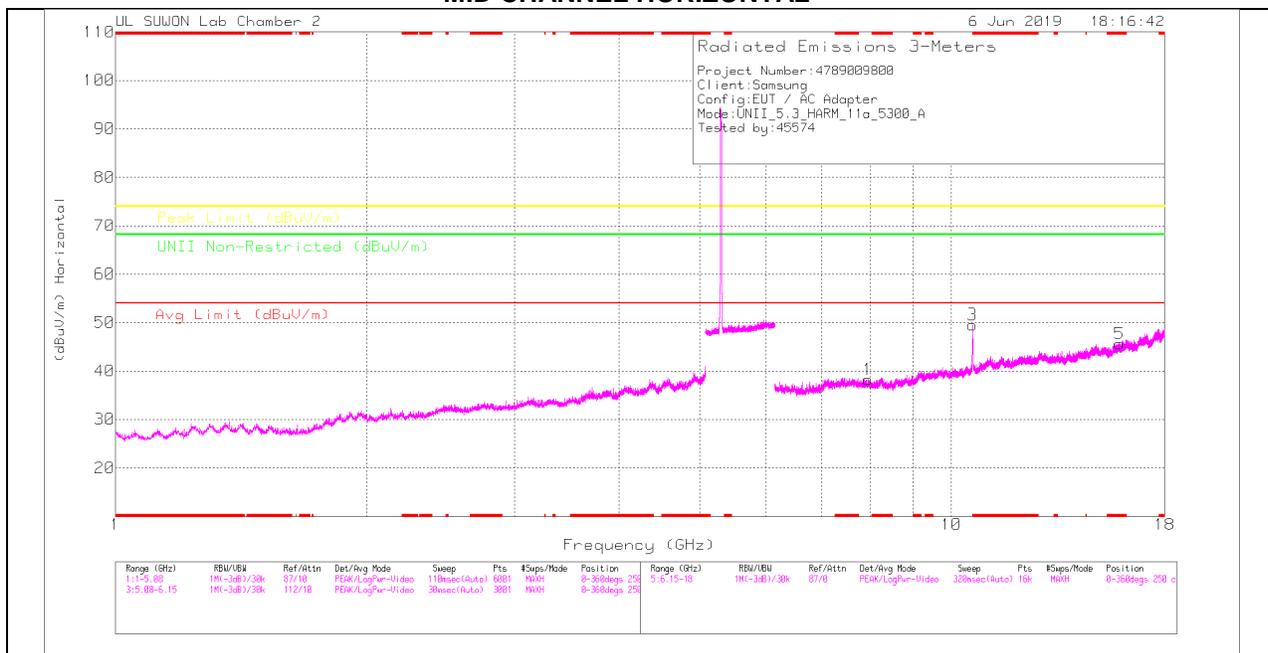
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

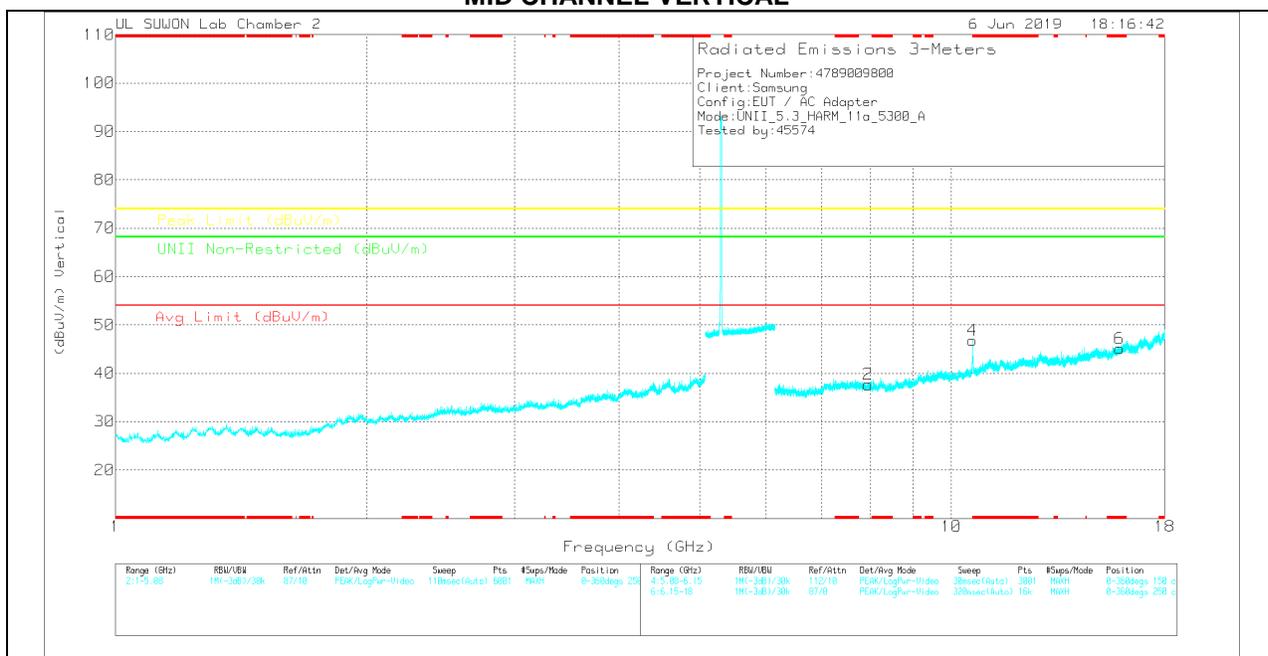
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.519	42.45	PK-U	37.7	-20.7	0	59.45	-	-	-	-	68.2	-8.75	154	252	H
10.519	38.35	PK-U	37.7	-20.7	0	55.35	-	-	-	-	68.2	-12.85	170	147	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	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.951	26.2	PK	35.9	-23.8	0	38.3	-	-	-	-	68.2	-29.9	0-360	250	H
3	* 10.6	31.47	PK	37.8	-19.7	0	49.57	-	-	74	-24.43	-	-	0-360	250	H
5	* 15.899	24.63	PK	40.5	-19.5	0	45.63	-	-	74	-28.37	-	-	0-360	250	H
2	7.953	25.58	PK	35.9	-23.8	0	37.68	-	-	-	-	68.2	-30.52	0-360	250	V
4	10.599	28.68	PK	37.8	-19.7	0	46.78	-	-	-	-	68.2	-21.42	0-360	150	V
6	* 15.9	24.1	PK	40.5	-19.5	0	45.1	-	-	74	-28.9	-	-	0-360	250	V

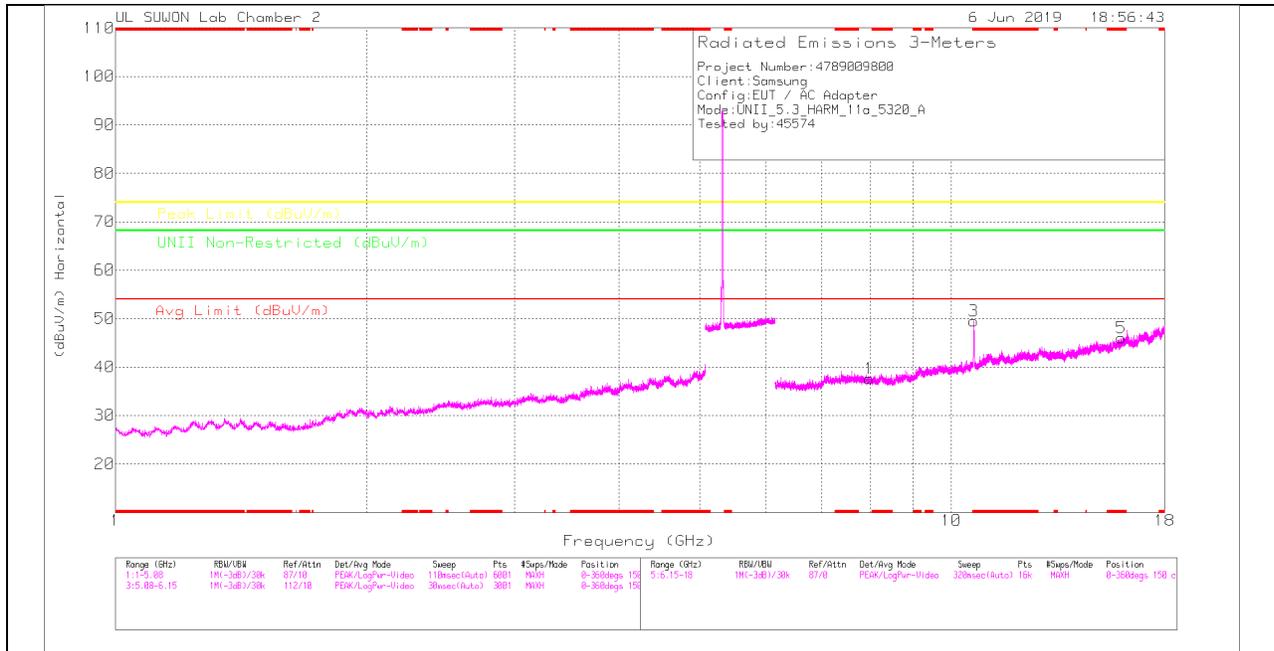
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

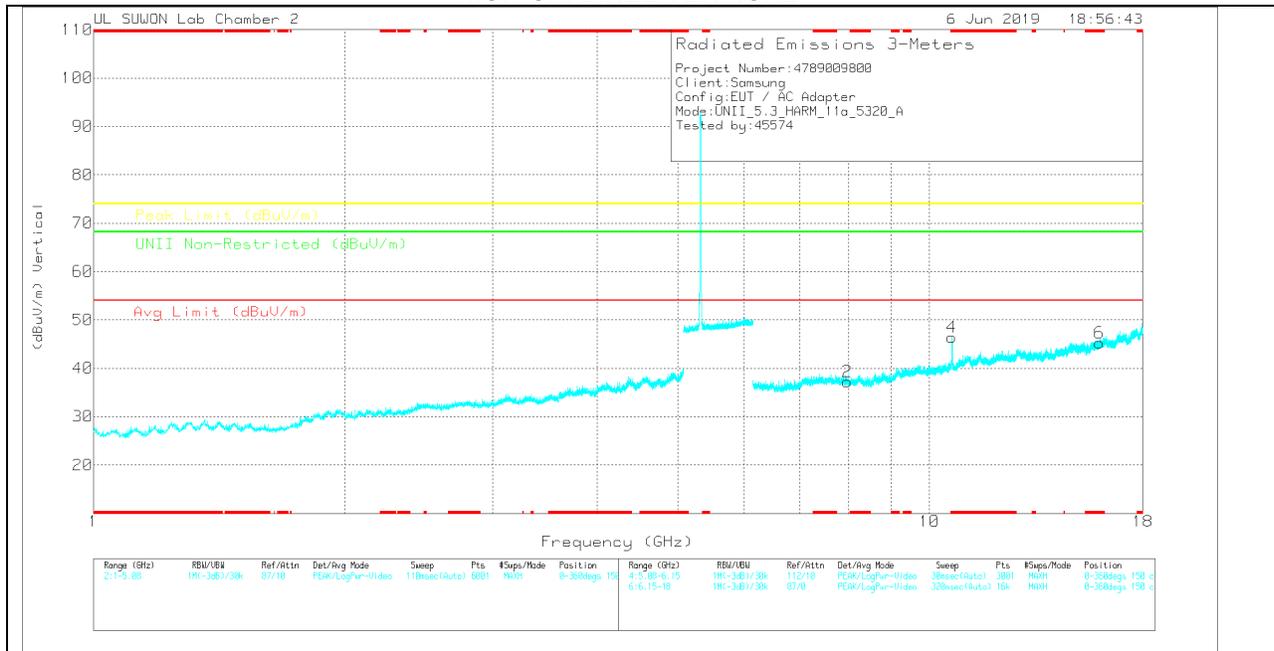
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.602	41.93	PK-U	37.8	-19.7	0	60.03	-	-	74	-13.97	-	-	156	253	H
* 10.602	28.92	ADR	37.8	-19.7	0	47.02	54	-6.98	-	-	-	-	156	253	H
* 10.602	38.47	PK-U	37.8	-19.7	0	56.57	-	-	74	-17.43	-	-	176	167	V
* 10.603	25.39	ADR	37.8	-19.7	0	43.49	54	-10.51	-	-	-	-	176	167	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_00188724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	7.981	25.59	PK	35.9	-23.9	0	37.59	-	-	-	-	68.2	-30.61	0-360	250	H
3	* 10.635	31.33	PK	37.8	-19.6	0	49.53	-	-	74	-24.47	-	-	0-360	250	H
5	* 15.959	25.16	PK	40.5	-19.7	0	45.96	-	-	74	-28.04	-	-	0-360	250	H
2	7.98	25.25	PK	35.9	-23.9	0	37.25	-	-	-	-	68.2	-30.95	0-360	250	V
4	* 10.638	28.25	PK	37.8	-19.6	0	46.45	-	-	74	-27.55	-	-	0-360	150	V
6	* 15.963	24.2	PK	40.6	-19.6	0	45.2	-	-	74	-28.8	-	-	0-360	250	V

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

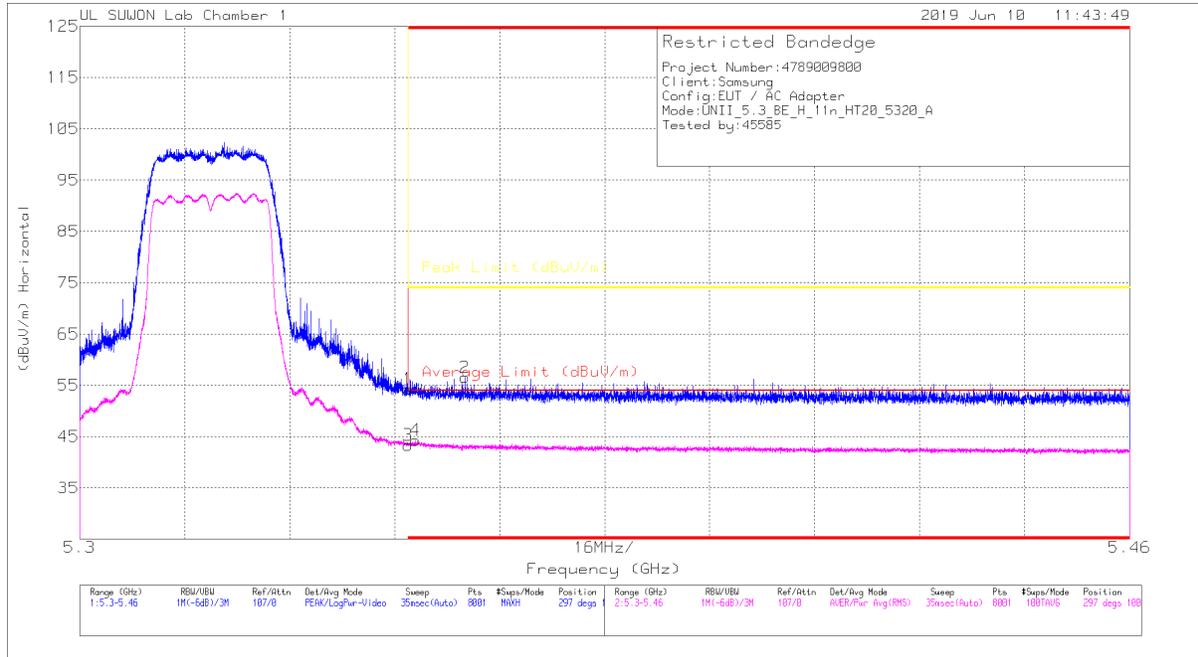
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 10.639	42.61	PK-U	37.8	-19.6	0	60.81	-	-	74	-13.19	-	-	155	250	H
* 10.64	30.23	ADR	37.8	-19.6	0	48.43	54	-5.57	-	-	-	-	155	250	H
* 10.639	40.52	PK-U	37.8	-19.6	0	58.72	-	-	74	-15.28	-	-	175	165	V
* 10.639	27.79	ADR	37.8	-19.6	0	45.99	54	-8.01	-	-	-	-	175	165	V

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

## 11.2.2.TX ABOVE 1GHz 802.11n HT20 2Tx CDD MODE IN THE 5.3GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE DATA



### Trace Markers

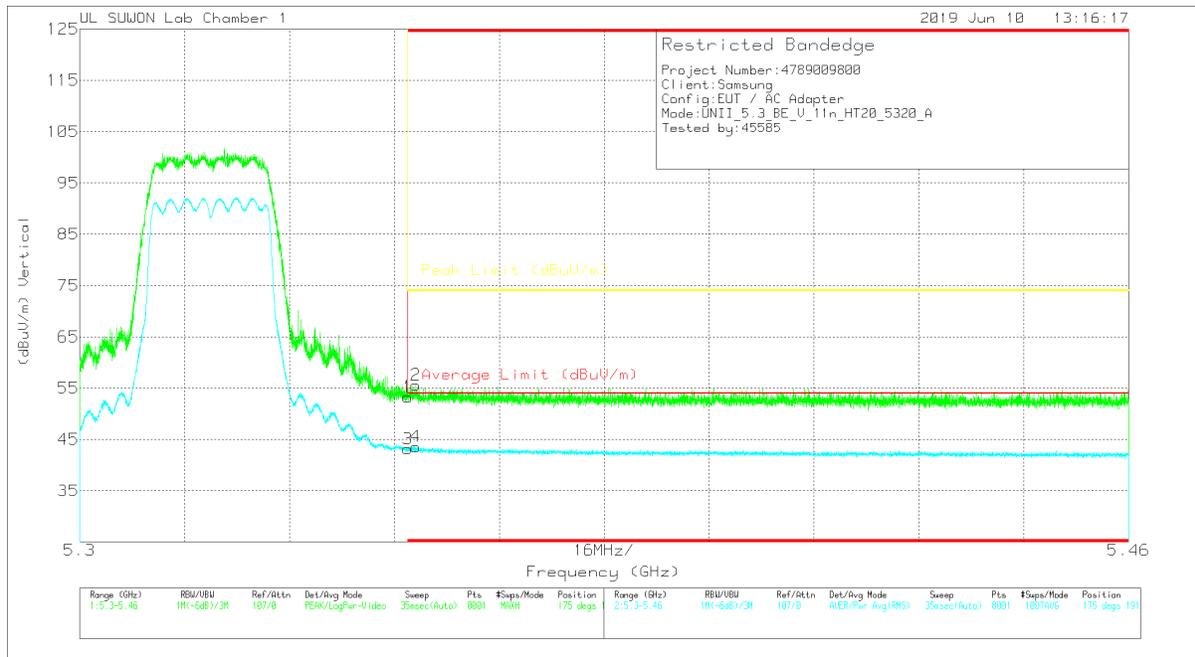
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	41.19	Pk	34.7	-21.6	0	54.29	-	-	74	-19.71	297	100	H
2	* 5.35874	43.45	Pk	34.7	-21.6	0	56.55	-	-	74	-17.45	297	100	H
3	* 5.35002	30.33	RMS	34.7	-21.7	0	43.33	54	-10.67	-	-	297	100	H
4	* 5.35116	31.29	RMS	34.7	-21.7	0	44.29	54	-9.71	-	-	297	100	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



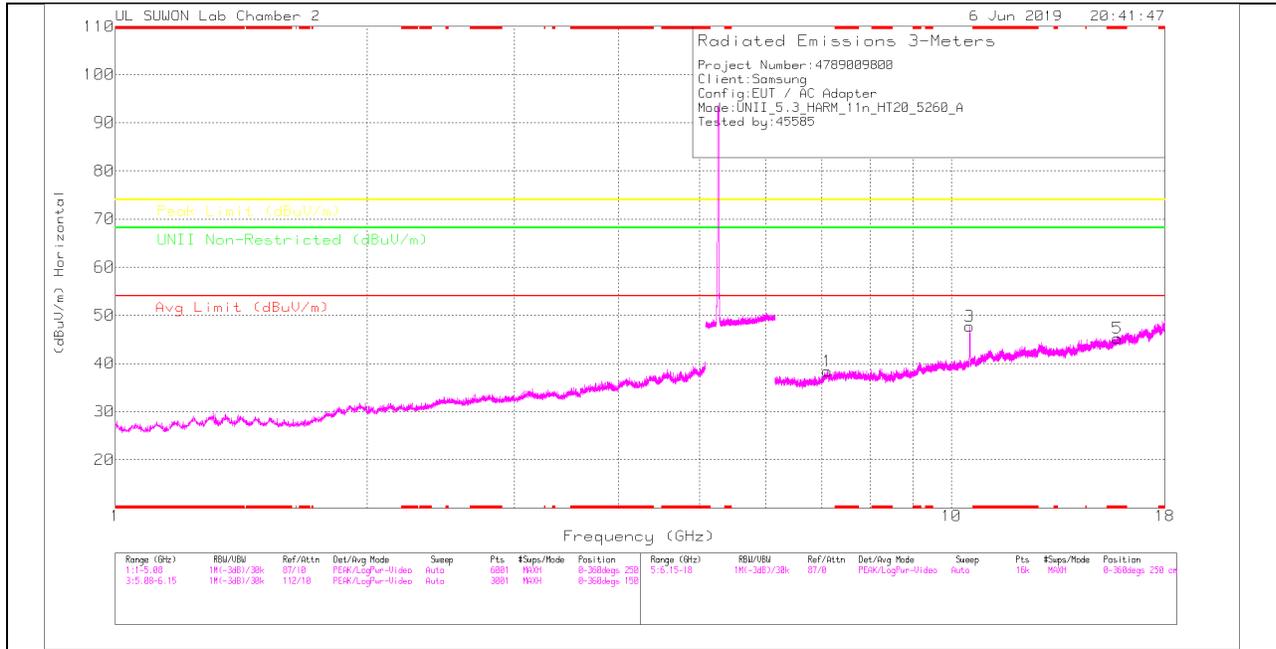
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	40.2	Pk	34.7	-21.6	0	53.3	-	-	74	-20.7	175	191	V
2	* 5.3513	42.51	Pk	34.7	-21.6	0	55.61	-	-	74	-18.39	175	191	V
3	* 5.35002	30.19	RMS	34.7	-21.7	0	43.19	54	-10.81	-	-	175	191	V
4	* 5.35124	30.61	RMS	34.7	-21.7	0	43.61	54	-10.39	-	-	175	191	V

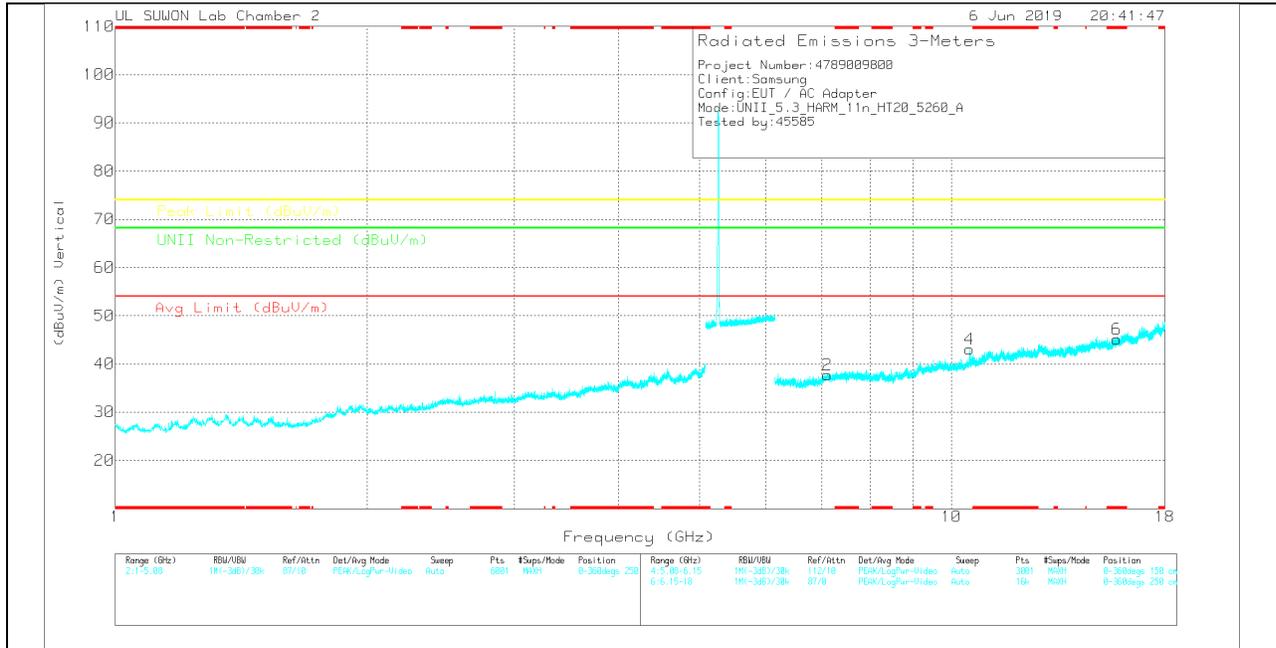
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## 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)	LNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.10239	26.07	PK	36	-23.7	0	38.37	-	-	-	-	68.2	-29.83	0-360	250	H
3	10.5209	30.72	PK	37.7	-20.7	0	47.72	-	-	-	-	68.2	-20.48	0-360	250	H
5	* 15.78419	24.83	PK	40.3	-19.9	0	45.23	-	-	74	-28.77	-	-	0-360	250	H
2	7.10313	25.5	PK	36	-23.7	0	37.8	-	-	-	-	68.2	-30.4	0-360	150	V
4	10.51645	26.02	PK	37.7	-20.7	0	43.02	-	-	-	-	68.2	-25.18	0-360	150	V
6	* 15.78123	24.71	PK	40.3	-19.9	0	45.11	-	-	74	-28.89	-	-	0-360	250	V

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

PK – Peak Detector

**Radiated Emissions**

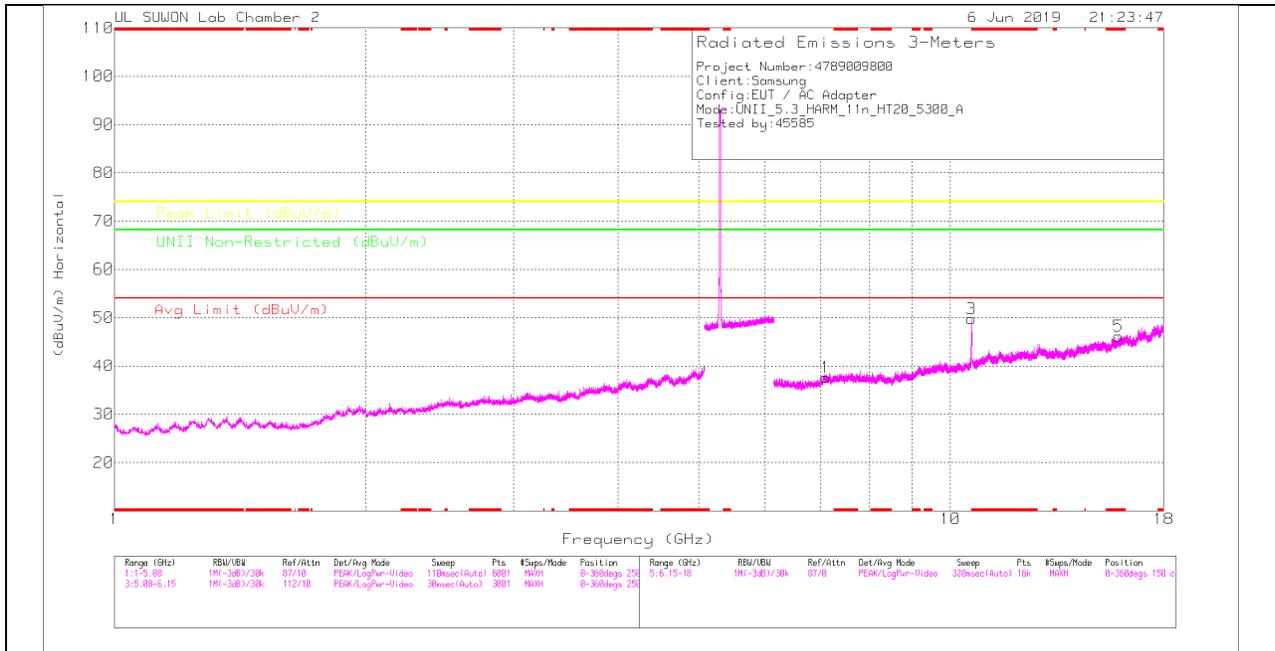
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	LNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.52242	42.37	PK-U	37.7	-20.7	0	59.37	-	-	-	-	68.2	-8.83	158	248	H
10.5221	38.84	PK-U	37.7	-20.7	0	55.84	-	-	-	-	68.2	-12.36	175	173	V

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

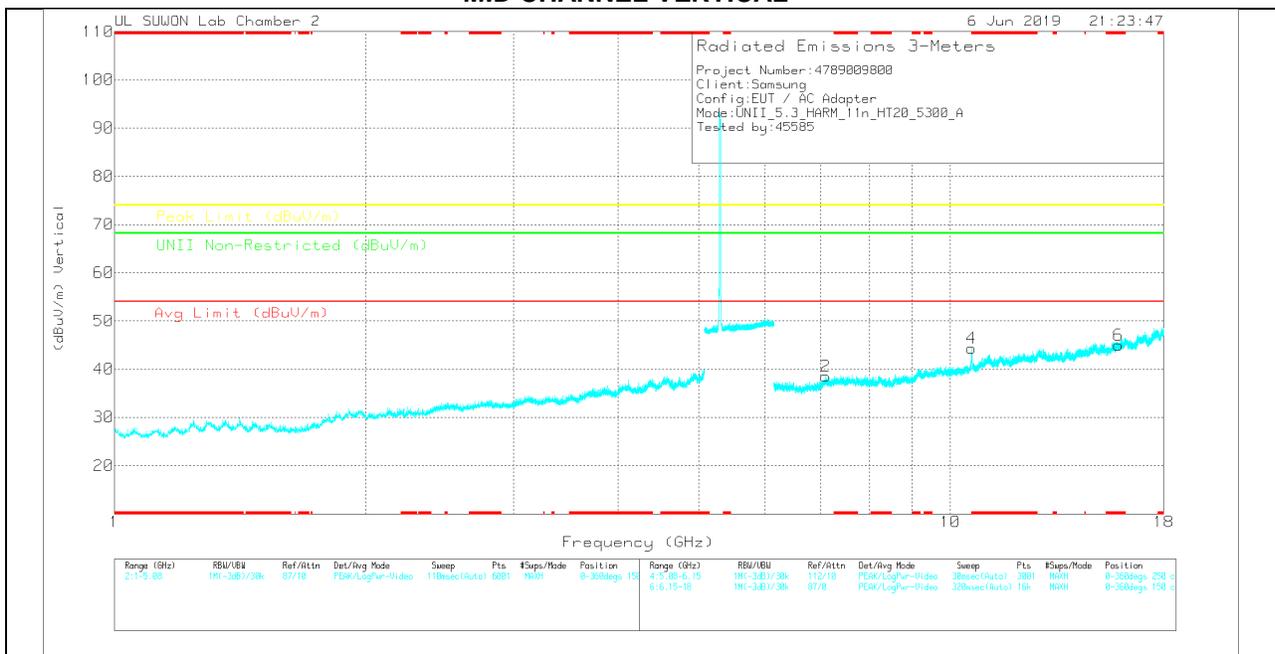
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	7.091	25.47	PK	35.9	-23.7	0	37.67	-	-	-	-	68.2	-30.53	0-360	150	H
3	* 10.601	31.68	PK	37.8	-19.7	0	49.78	-	-	74	-24.22	-	-	0-360	250	H
5	* 15.895	25.11	PK	40.5	-19.5	0	46.11	-	-	74	-27.89	-	-	0-360	250	H
2	7.094	26.2	PK	36	-23.7	0	38.5	-	-	-	-	68.2	-29.7	0-360	250	V
4	* 10.602	26.24	PK	37.8	-19.7	0	44.34	-	-	74	-29.66	-	-	0-360	250	V
6	* 15.895	24.01	PK	40.5	-19.5	0	45.01	-	-	74	-28.99	-	-	0-360	150	V

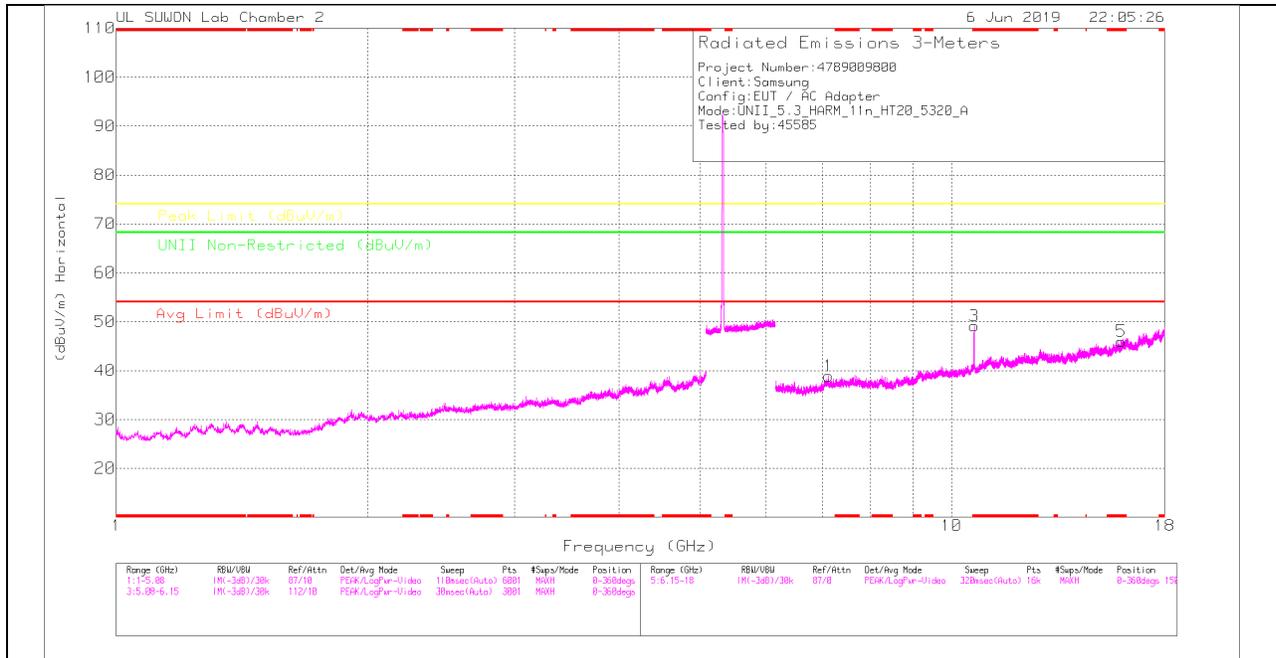
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

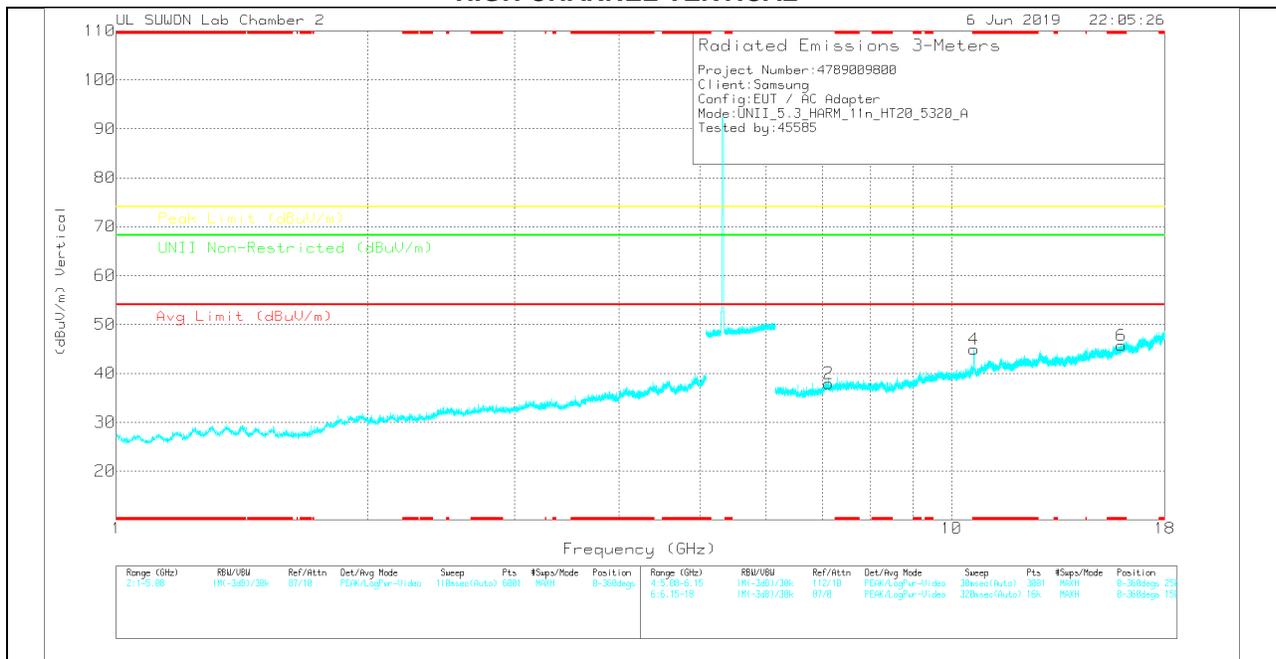
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 10.61	42.62	PK-U	37.8	-19.7	0	60.72	-	-	74	-13.28	-	-	156	253	H
* 10.6	30.1	ADR	37.8	-19.7	0	48.2	54	-5.8	-	-	-	-	156	253	H
10.599	38.73	PK-U	37.8	-19.7	0	56.83	-	-	-	-	68.2	-11.37	176	165	V
10.599	25.96	ADR	37.8	-19.7	0	44.06	-	-	-	-	-	-	176	165	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_00188724	60Hz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.12	26.67	PK	36	-23.8	0	38.87	-	-	-	-	68.2	-29.33	0-360	150	H
3	* 10.642	31.04	PK	37.8	-19.7	0	49.14	-	-	74	-24.86	-	-	0-360	250	H
5	* 15.962	25.07	PK	40.5	-19.6	0	45.97	-	-	74	-28.03	-	-	0-360	250	H
2	7.122	25.73	PK	36	-23.8	0	37.93	-	-	-	-	68.2	-30.27	0-360	250	V
4	* 10.639	26.71	PK	37.8	-19.6	0	44.91	-	-	74	-29.09	-	-	0-360	150	V
6	* 15.963	24.65	PK	40.6	-19.6	0	45.65	-	-	74	-28.35	-	-	0-360	150	V

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

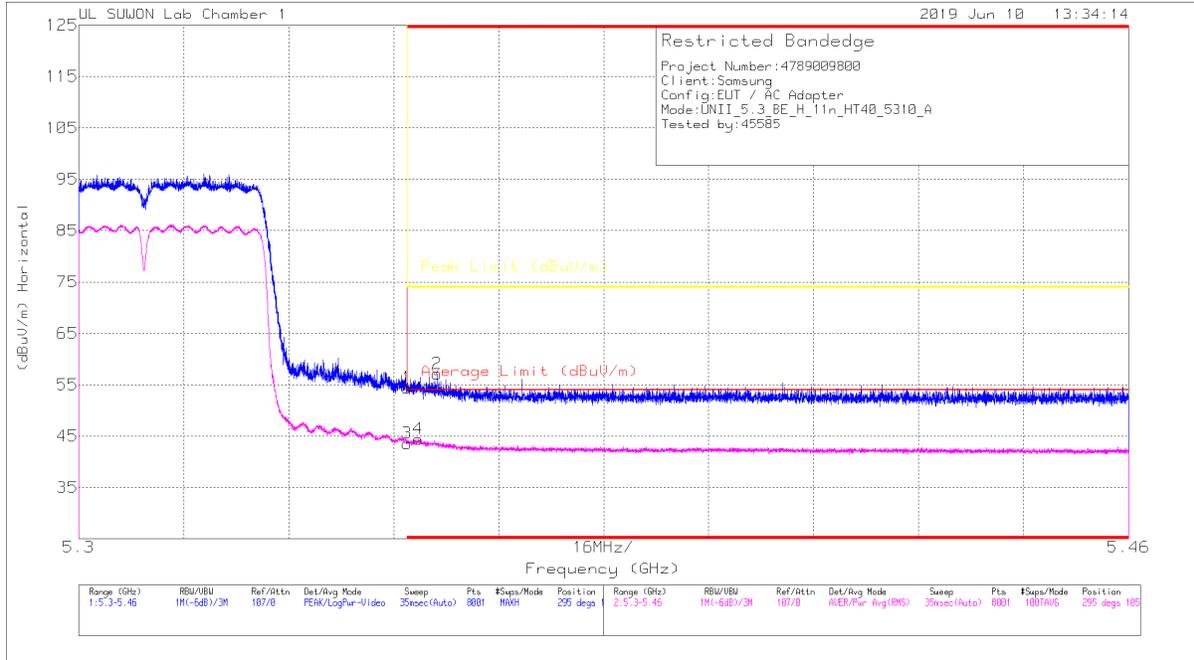
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	60Hz_HPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.643	43.92	PK-U	37.8	-19.7	0	62.02	-	-	74	-11.98	-	-	156	252	H
* 10.64	30.44	ADR	37.8	-19.6	0	48.64	54	-5.36	-	-	-	-	156	252	H
* 10.642	38.91	PK-U	37.8	-19.7	0	57.01	-	-	74	-16.99	-	-	170	137	V
* 10.64	26.38	ADR	37.8	-19.6	0	44.58	54	-9.42	-	-	-	-	170	137	V

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

## 11.2.3.TX ABOVE 1GHz 802.11n HT40 2Tx CDD MODE IN THE 5.3GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE DATA

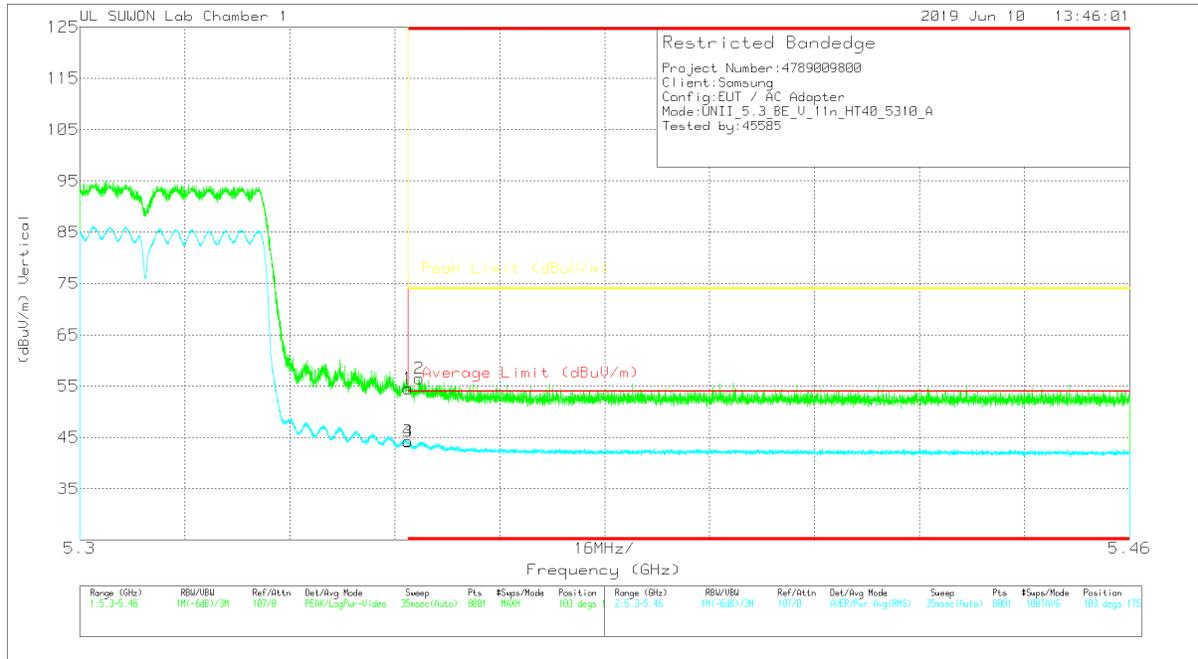


### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	41.3	Pk	34.7	-21.6	0	54.4	-	-	74	-19.6	295	105	H
2	* 5.35462	44.04	Pk	34.7	-21.6	0	57.14	-	-	74	-16.86	295	105	H
3	* 5.35002	30.6	RMS	34.7	-21.7	0	43.6	54	-10.4	-	-	295	105	H
4	* 5.35174	31.46	RMS	34.7	-21.7	0	44.46	54	-9.54	-	-	295	105	H

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

**VERTICAL PEAK AND AVERAGE DATA**



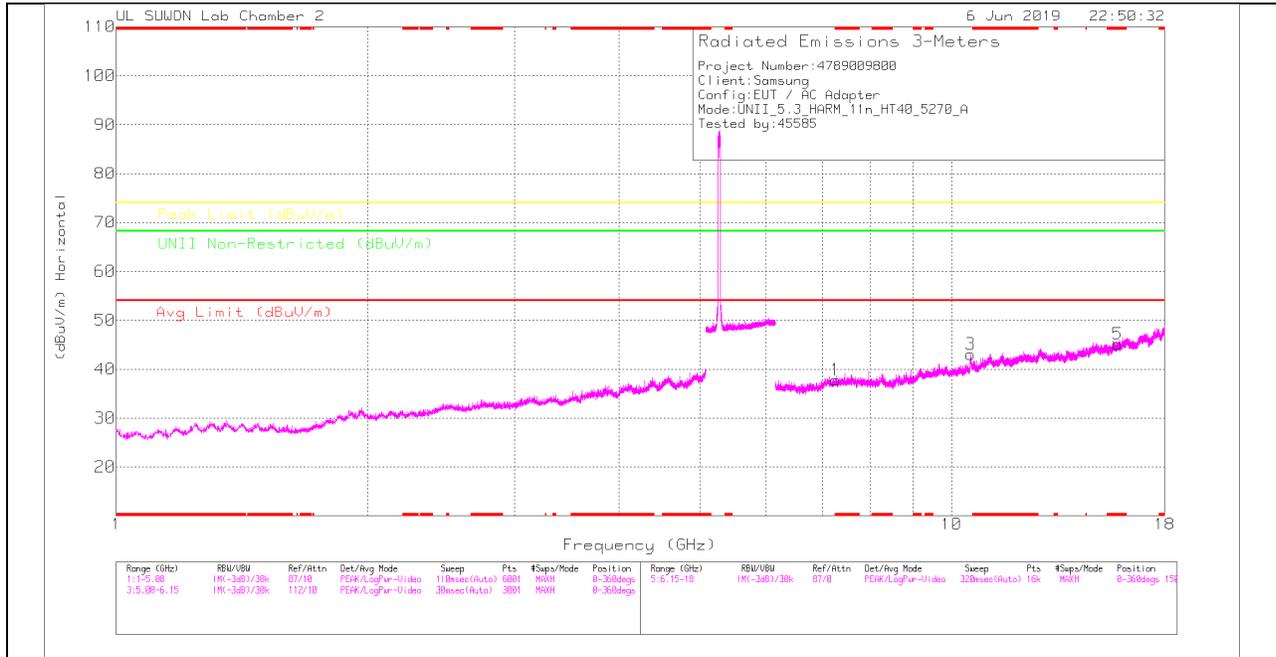
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	41.47	Pk	34.7	-21.6	0	54.57	-	-	74	-19.43	103	175	V
2	* 5.35172	43.42	Pk	34.7	-21.6	0	56.52	-	-	74	-17.48	103	175	V
3	* 5.35002	31.23	RMS	34.7	-21.7	0	44.23	54	-9.77	-	-	103	175	V
4	* 5.35004	31.28	RMS	34.7	-21.7	0	44.28	54	-9.72	-	-	103	175	V

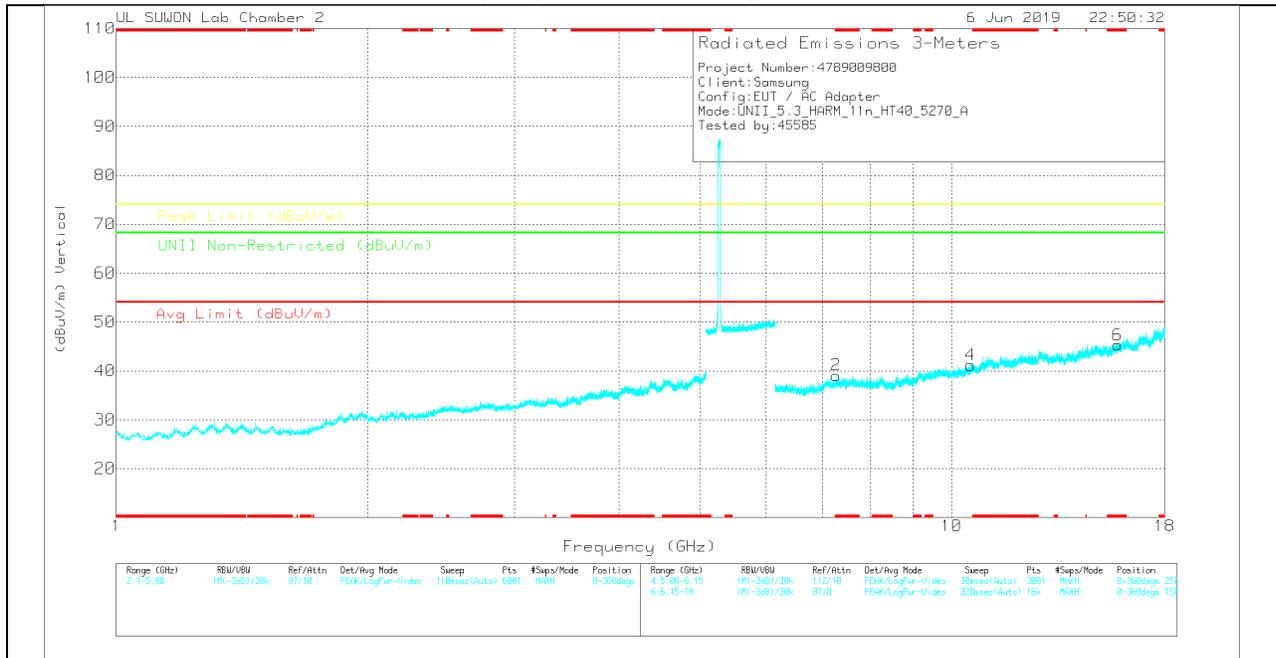
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### 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_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 7.268	26.91	PK	36.2	-25.3	0	37.81	-	-	74	-36.19	-	-	0-360	150	H
3	10.545	25.86	PK	37.7	-20.5	0	43.06	-	-	-	-	68.2	-25.14	0-360	150	H
5	* 15.813	24.62	PK	40.4	-19.9	0	45.12	-	-	74	-28.88	-	-	0-360	150	H
2	* 7.27	28.1	PK	36.2	-25.2	0	39.1	-	-	74	-34.9	-	-	0-360	150	V
4	10.542	24.07	PK	37.7	-20.6	0	41.17	-	-	-	-	68.2	-27.03	0-360	150	V
6	* 15.815	24.8	PK	40.4	-19.9	0	45.3	-	-	74	-28.7	-	-	0-360	250	V

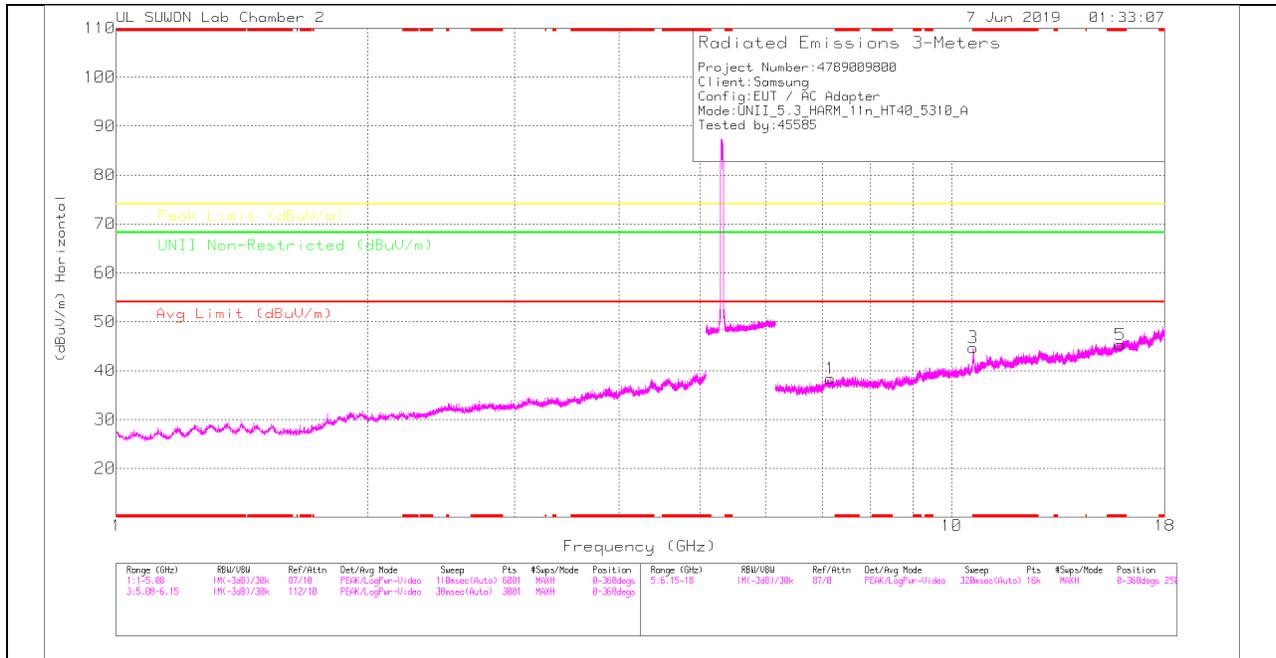
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

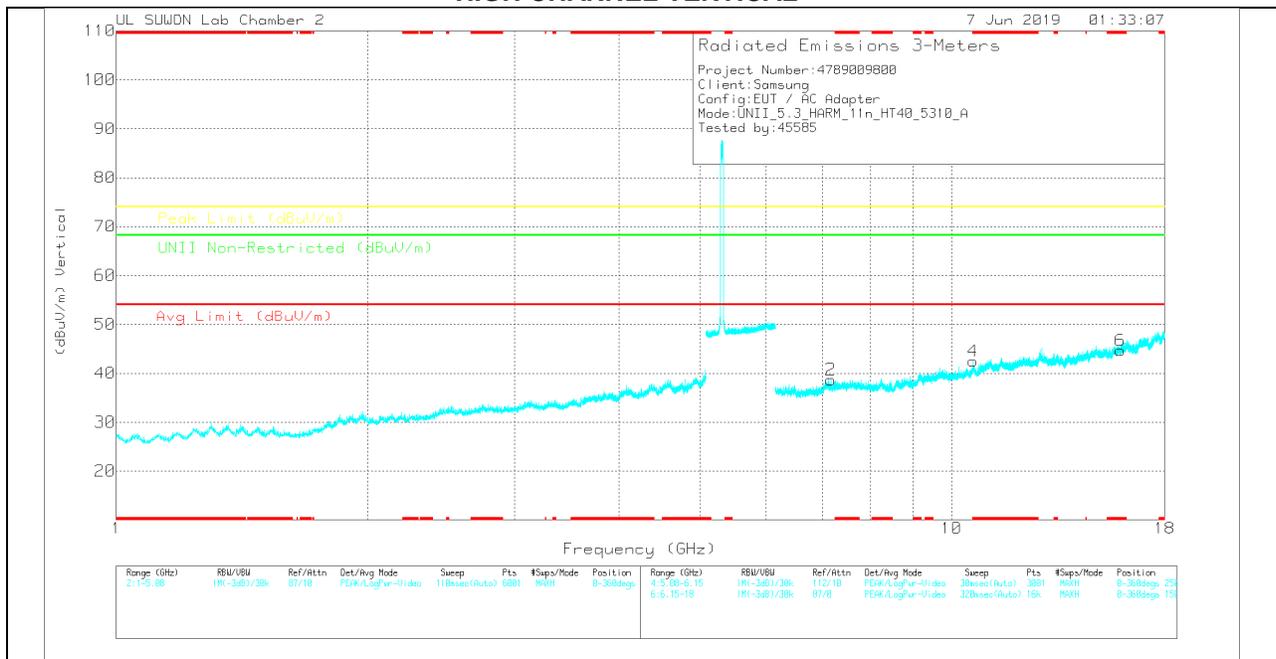
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
10.542	37.94	PK-U	37.7	-20.6	0	55.04	-	-	-	-	68.2	-13.16	156	250	H
10.539	35.13	PK-U	37.7	-20.6	0	52.23	-	-	-	-	68.2	-15.97	171	151	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_00188724	66Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Agc Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.164	27.31	PK	36	-24.9	0	38.41	-	-	-	-	68.2	-29.79	0-360	150	H
3	* 10.617	26.59	PK	37.8	-19.7	0	44.69	-	-	74	-29.31	-	-	0-360	250	H
5	* 15.929	24.28	PK	40.5	-19.5	0	45.28	-	-	74	-28.72	-	-	0-360	250	H
2	7.168	27.49	PK	36.1	-24.9	0	38.69	-	-	-	-	68.2	-29.51	0-360	250	V
4	* 10.619	24.26	PK	37.8	-19.6	0	42.46	-	-	74	-31.54	-	-	0-360	150	V
6	* 15.929	23.65	PK	40.5	-19.5	0	44.65	-	-	74	-29.35	-	-	0-360	250	V

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

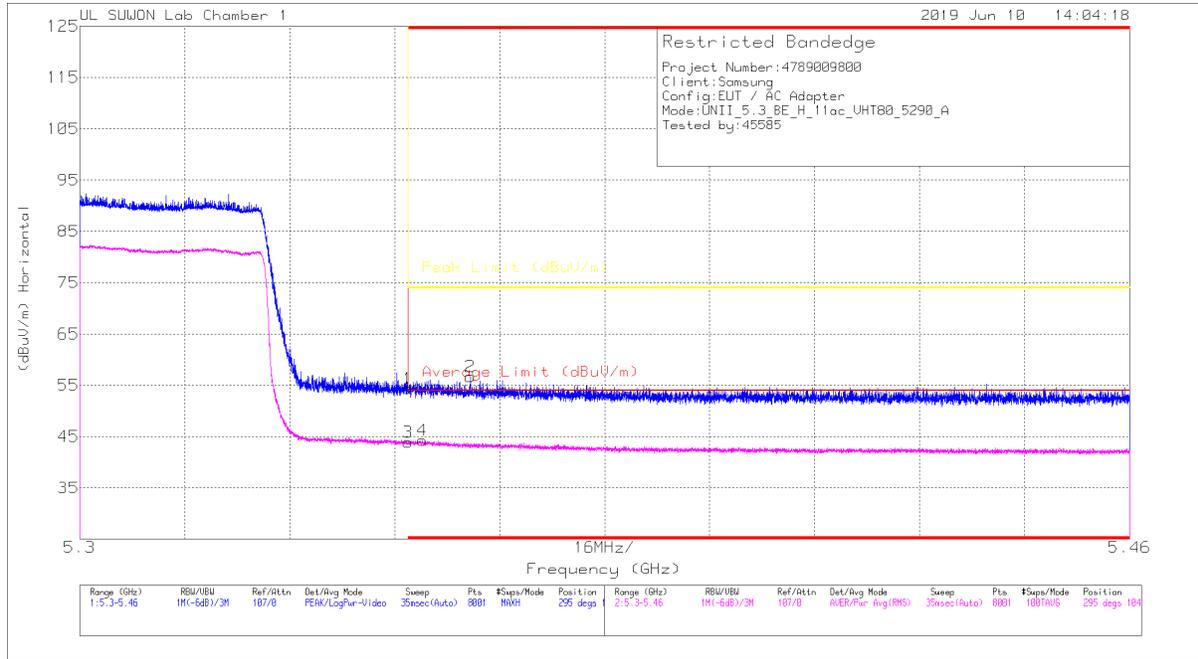
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	66Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Agc Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.618	38.09	PK-U	37.8	-19.7	0	56.19	-	-	74	-17.81	-	-	157	240	H
* 10.62	24.91	ADR	37.8	-19.6	0	43.11	54	-10.89	-	-	-	-	157	240	H
* 10.619	35.15	PK-U	37.8	-19.6	0	53.35	-	-	74	-20.65	-	-	168	147	V
* 10.62	22.57	ADR	37.8	-19.6	0	40.77	54	-13.23	-	-	-	-	168	147	V

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

### 11.2.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx CDD MODE IN THE 5.3GHz BAND RESTRICTED BANDEDGE (High CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

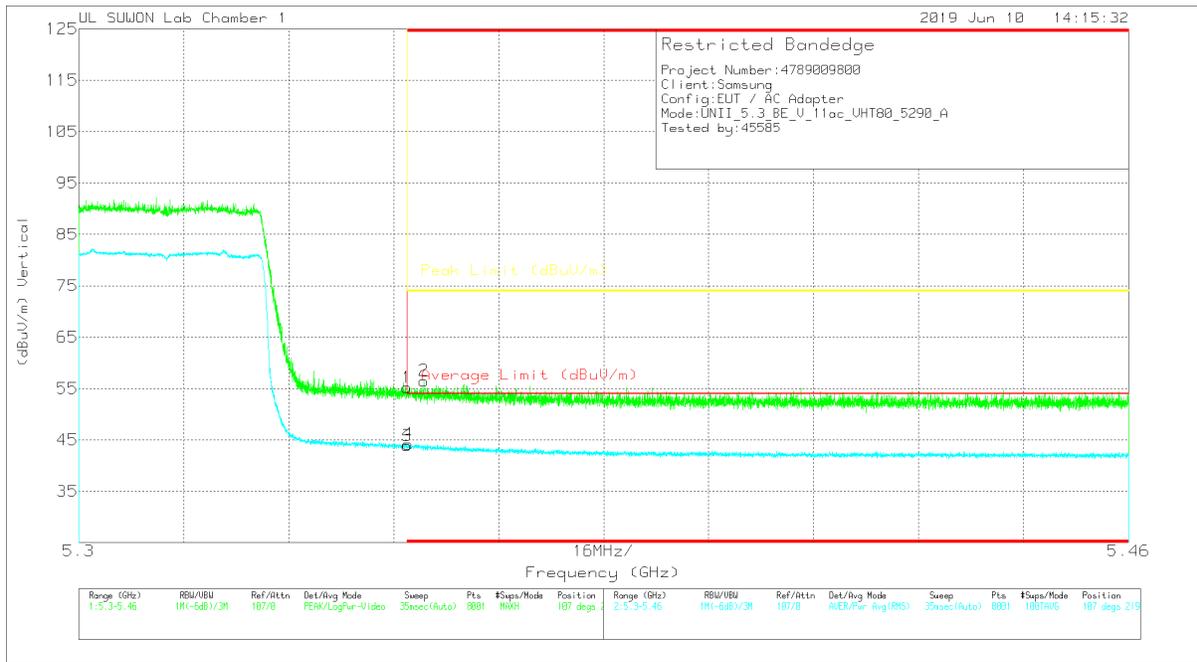
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	41.26	Pk	34.7	-21.6	0	54.36	-	-	74	-19.64	295	104	H
2	* 5.35952	43.59	Pk	34.7	-21.6	0	56.69	-	-	74	-17.31	295	104	H
3	* 5.35002	30.89	RMS	34.7	-21.7	0	43.89	54	-10.11	-	-	295	104	H
4	* 5.3522	31.26	RMS	34.7	-21.7	0	44.26	54	-9.74	-	-	295	104	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



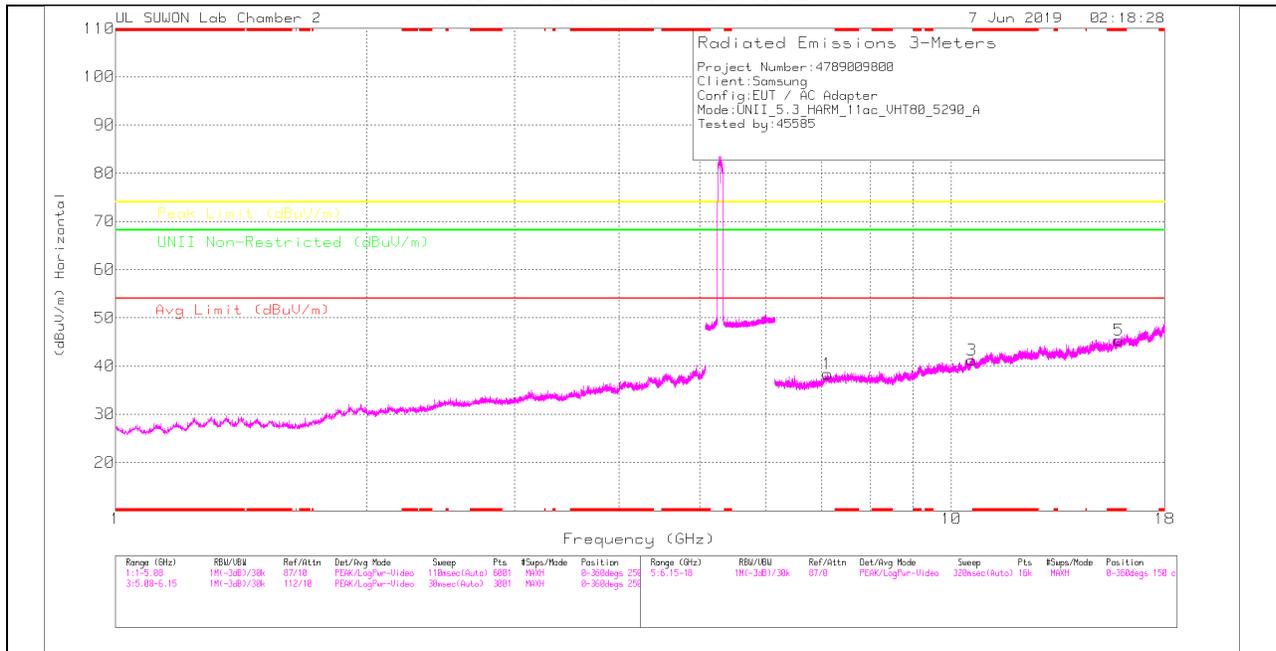
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	42.14	Pk	34.7	-21.6	0	55.24	-	-	74	-18.76	107	219	V
2	* 5.35262	43.41	Pk	34.7	-21.6	0	56.51	-	-	74	-17.49	107	219	V
3	* 5.35002	30.88	RMS	34.7	-21.7	0	43.88	54	-10.12	-	-	107	219	V
4	* 5.35018	31.21	RMS	34.7	-21.7	0	44.21	54	-9.79	-	-	107	219	V

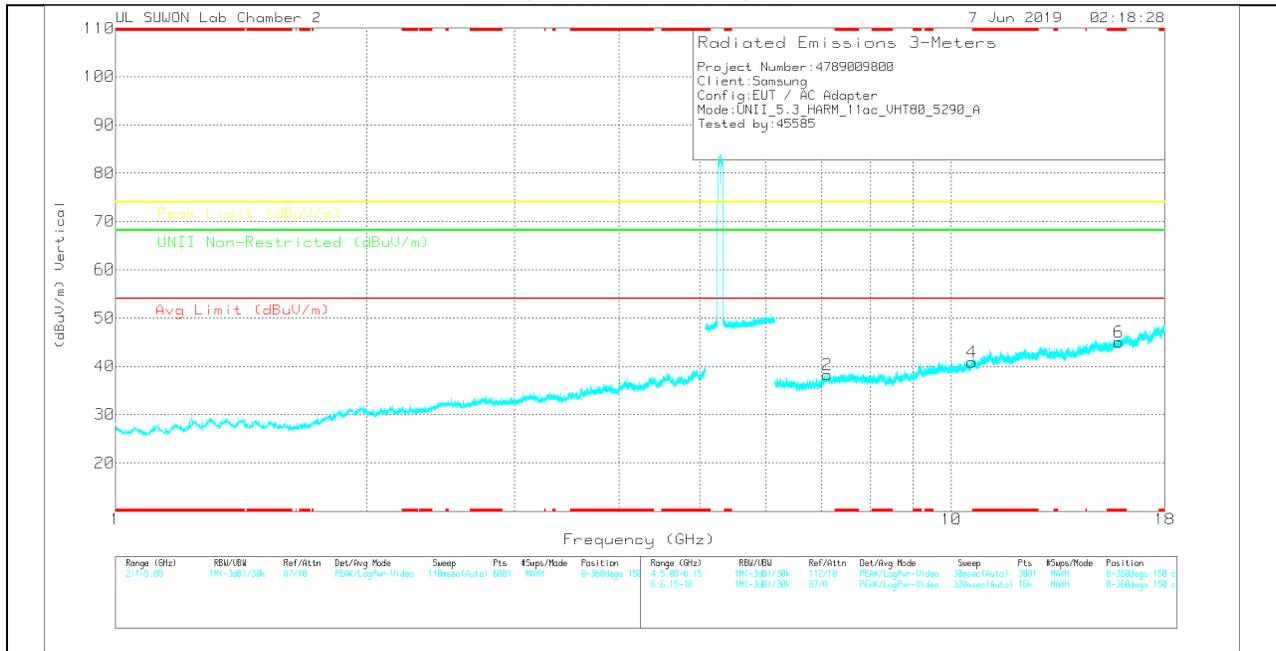
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## 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)	Meas 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)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.111	26.05	PK	36	-23.7	0	38.35	-	-	-	-	68.2	-29.85	0-360	250	H
3	10.587	23.25	PK	37.8	-19.8	0	41.25	-	-	-	-	68.2	-26.95	0-360	250	H
5	* 15.872	24.57	PK	40.5	-19.7	0	45.37	-	-	74	-28.63	-	-	0-360	150	H
2	7.105	26	PK	36	-23.7	0	38.3	-	-	-	-	68.2	-29.9	0-360	150	V
4	10.588	22.72	PK	37.8	-19.7	0	40.82	-	-	-	-	68.2	-27.38	0-360	150	V
6	* 15.871	24.24	PK	40.5	-19.7	0	45.04	-	-	74	-28.96	-	-	0-360	250	V

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

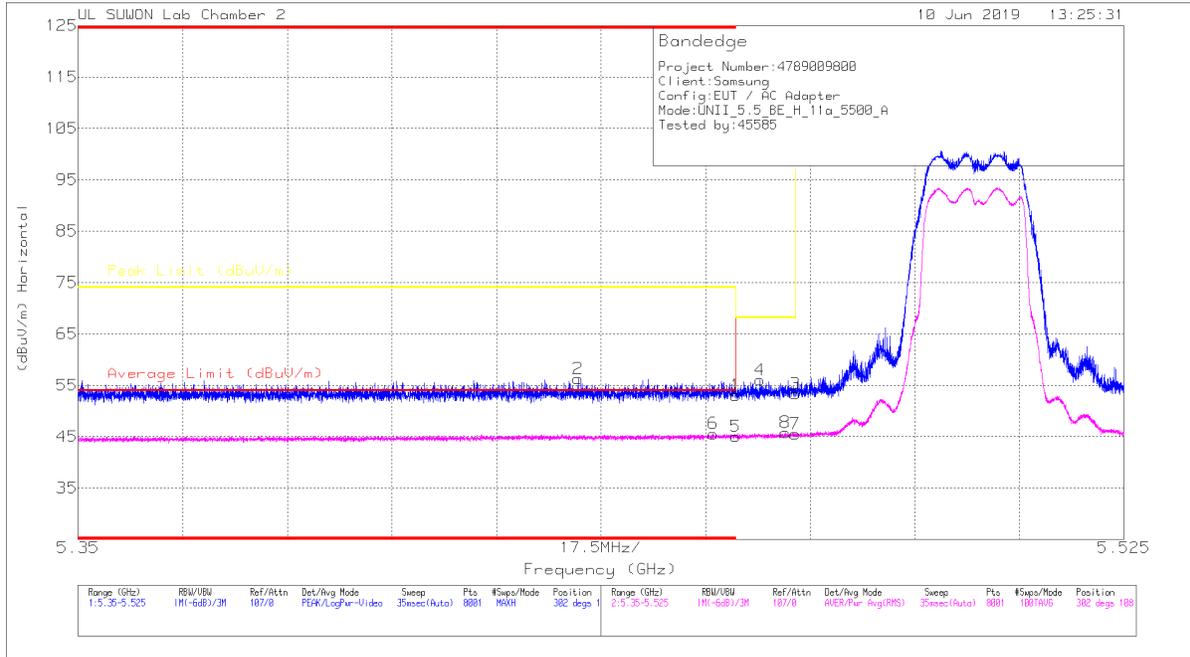
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 11.3. 5.5-5.6 GHz

#### 11.3.1. TX ABOVE 1 GHz 802.11a 2Tx CDD MODE IN THE 5.5 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

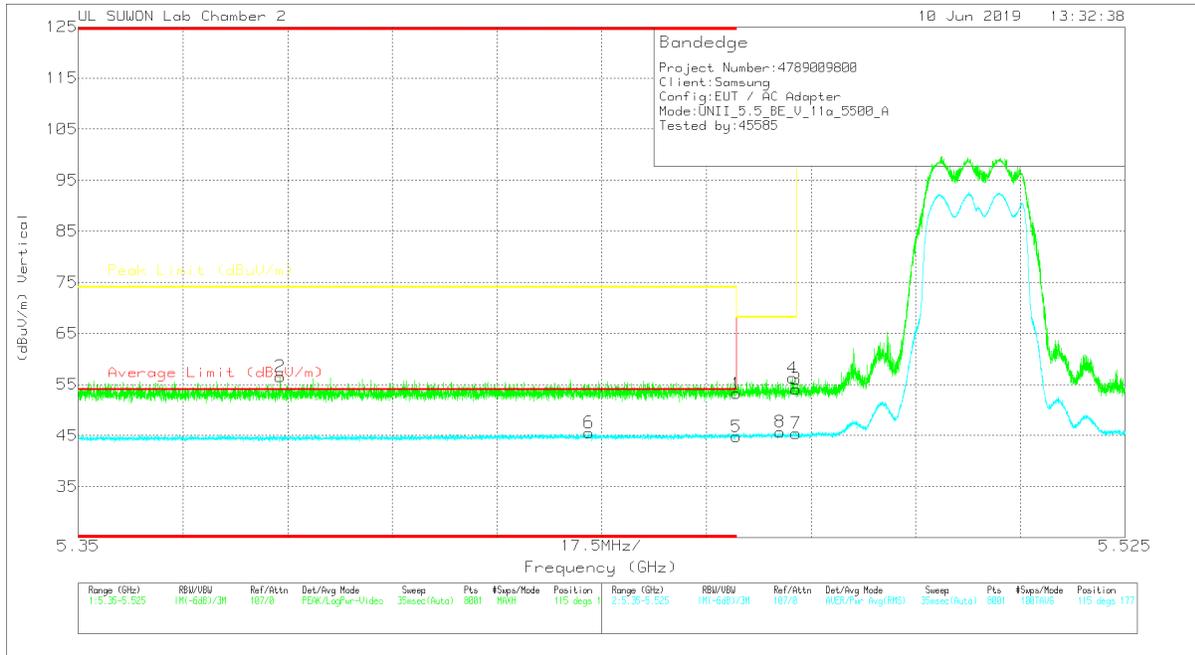
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	36.65	Pk	34.6	-18.2	0	53.05	-	-	74	-20.95	302	108	H
2	* 5.434	39.98	Pk	34.5	-18.2	0	56.28	-	-	74	-17.72	302	108	H
3	5.47	36.85	Pk	34.6	-18.1	0	53.35	-	-	68.2	-14.85	302	108	H
4	5.464	39.52	Pk	34.6	-18.1	0	56.02	-	-	68.2	-12.18	302	108	H
5	* 5.46	27.34	RMS	34.6	-16.9	0	45.04	54	-8.96	-	-	302	108	H
6	* 5.456	27.89	RMS	34.6	-16.9	0	45.59	54	-8.41	-	-	302	108	H
7	5.47	27.81	RMS	34.6	-16.9	0	45.51	-	-	-	-	302	108	H
8	5.468	28.1	RMS	34.6	-16.9	0	45.8	-	-	-	-	302	108	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_00168724	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	* 5.46	36.82	Pk	34.6	-18.2	0	53.22	-	-	74	-20.78	115	177	V
2	* 5.384	40.15	Pk	34.5	-18.1	0	56.55	-	-	74	-17.45	115	177	V
3	5.47	37.61	Pk	34.6	-18.1	0	54.11	-	-	68.2	-14.09	115	177	V
4	5.469	39.78	Pk	34.6	-18.1	0	56.28	-	-	68.2	-11.92	115	177	V
5	* 5.46	27.11	RMS	34.6	-16.9	0	44.81	54	-9.19	-	-	115	177	V
6	* 5.435	28.07	RMS	34.5	-17	0	45.57	54	-8.43	-	-	115	177	V
7	5.47	27.74	RMS	34.6	-16.9	0	45.44	-	-	-	-	115	177	V
8	5.467	28	RMS	34.6	-16.9	0	45.7	-	-	-	-	115	177	V

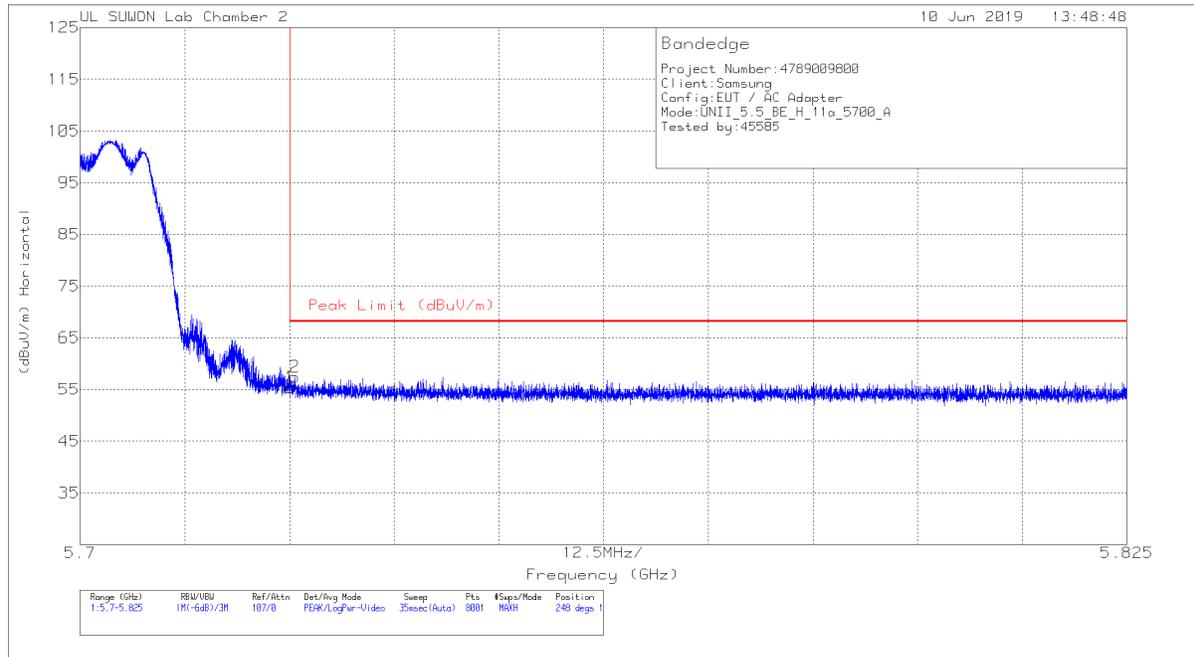
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA

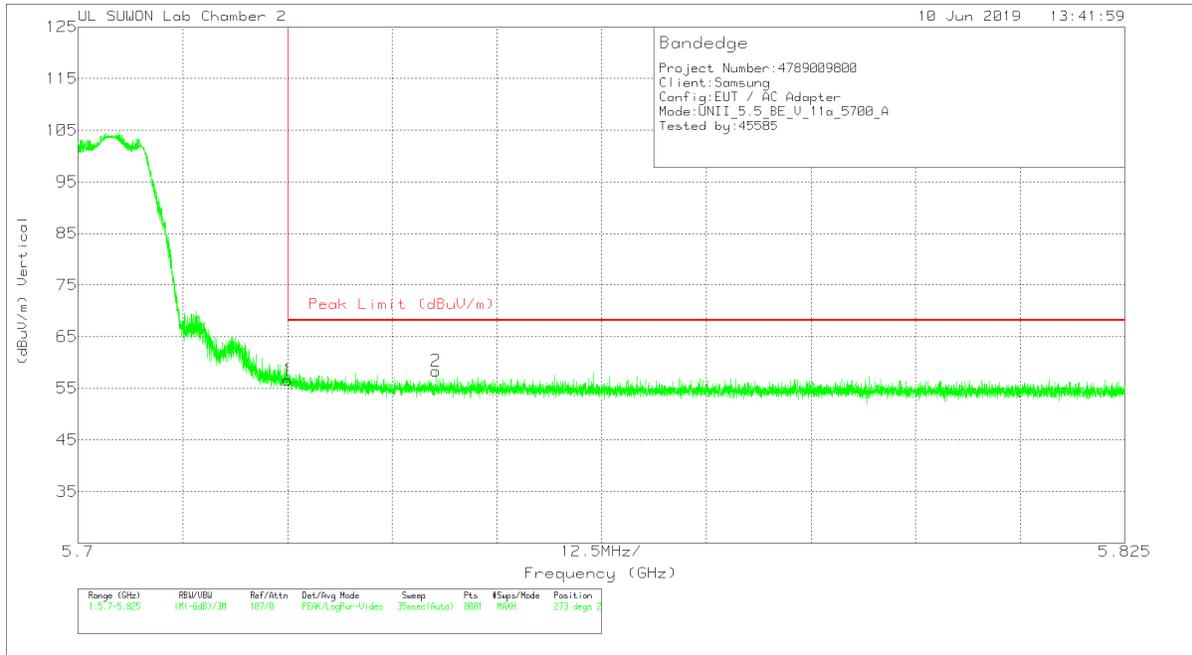


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.29	Pk	34.7	-17.6	0	55.39	68.2	-12.81	248	195	H
2	5.726	40.22	Pk	34.7	-17.5	0	57.42	68.2	-10.78	248	195	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



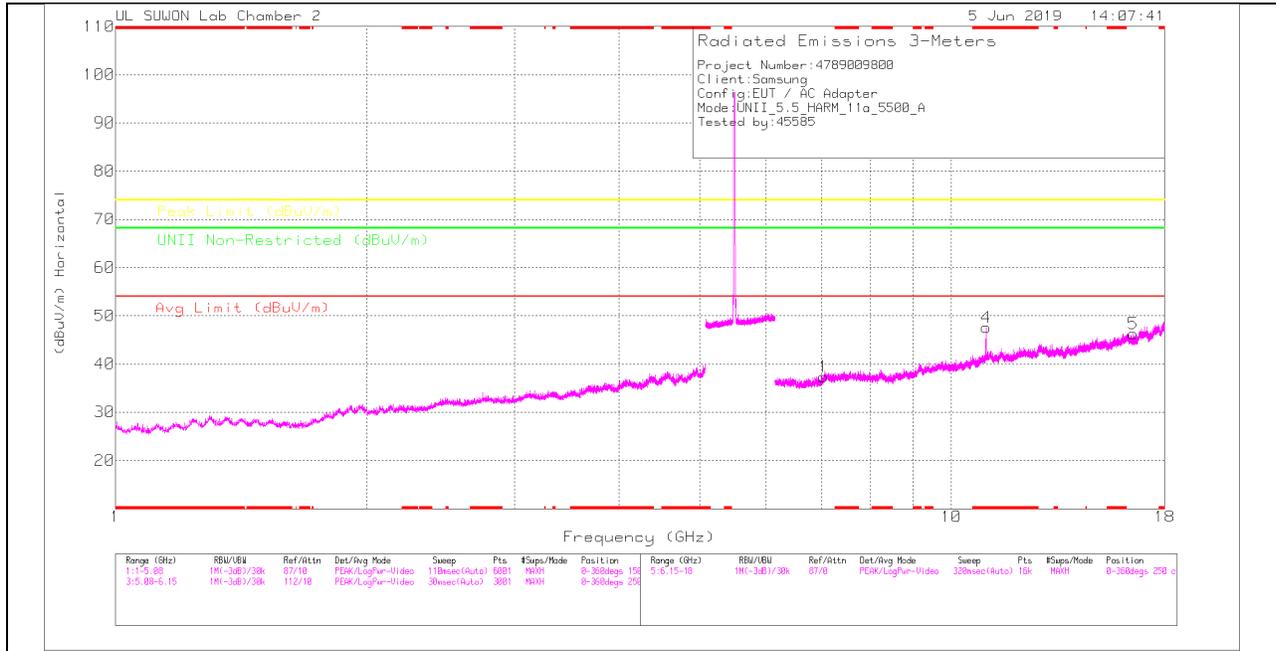
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.49	Pk	34.7	-17.6	0	56.59	68.2	-11.61	273	214	V
2	5.743	41.18	Pk	34.7	-17.5	0	58.38	68.2	-9.82	273	214	V

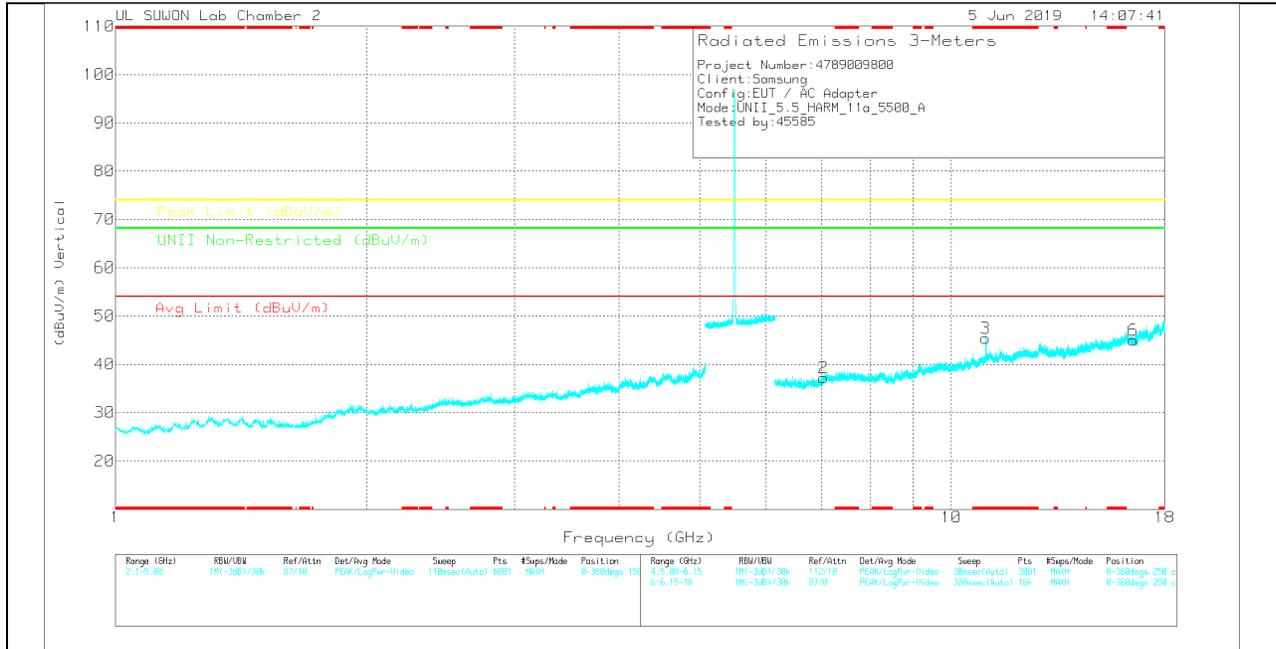
**Pk - Peak detector**

## 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_00188724	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	7.034	26.42	PK	35.9	-25	0	37.32	-	-	-	-	68.2	-30.88	0-360	150	H
4	* 11	30.02	PK	38.1	-20.6	0	47.52	-	-	74	-26.48	-	-	0-360	250	H
5	16.5	25.6	PK	40.5	-19.8	0	46.3	-	-	-	-	68.2	-21.9	0-360	150	H
2	7.03	26.47	PK	35.9	-25.1	0	37.27	-	-	-	-	68.2	-30.93	0-360	150	V
3	* 10.996	27.8	PK	38.1	-20.5	0	45.4	-	-	74	-28.6	-	-	0-360	250	V
6	16.504	24.44	PK	40.5	-19.9	0	45.04	-	-	-	-	68.2	-23.16	0-360	150	V

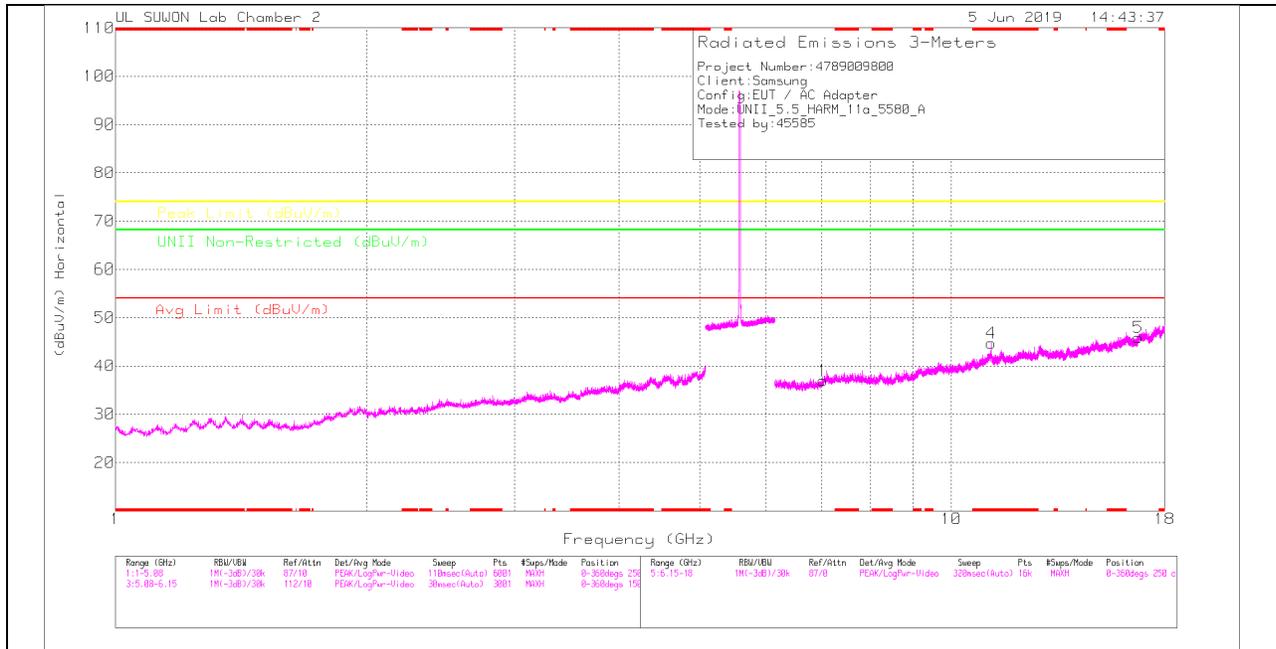
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

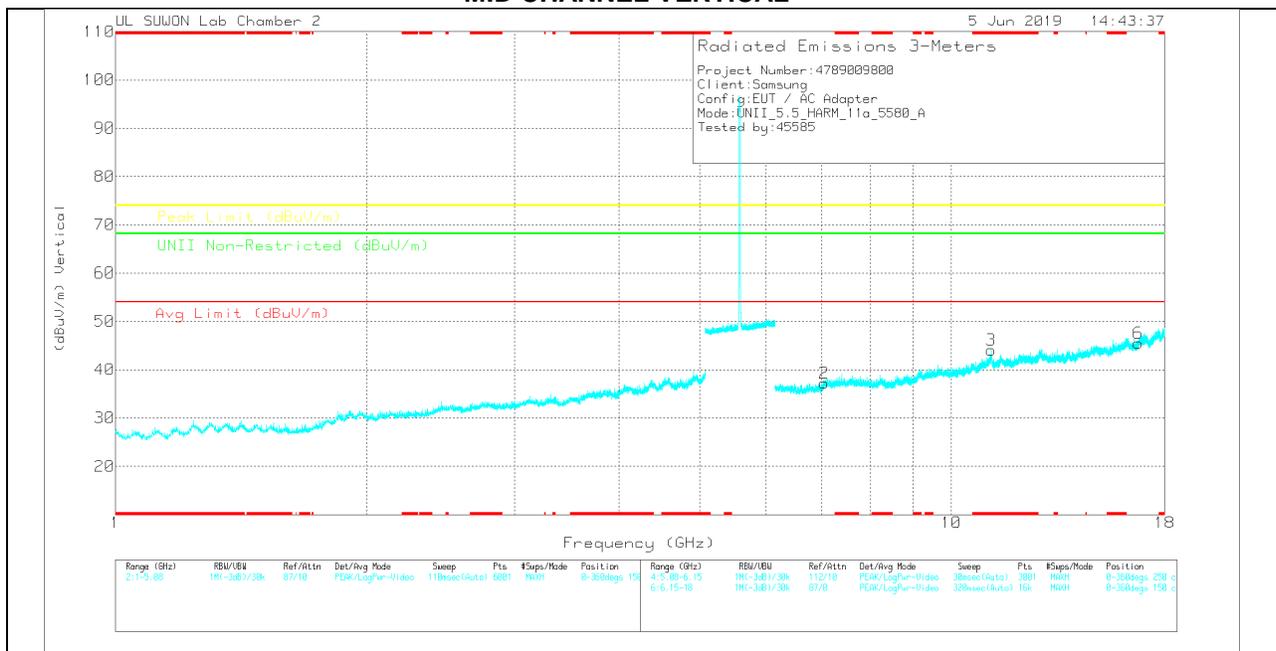
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 10.999	41.62	PK2	38.1	-20.6	0	59.12	-	-	74	-14.88	-	-	146	185	H
* 11	28.72	MAv1	38.1	-20.6	0	46.22	54	-7.78	-	-	-	-	146	185	H
* 11	39.46	PK2	38.1	-20.6	0	56.96	-	-	74	-17.04	-	-	193	203	V
* 10.999	26.72	MAv1	38.1	-20.6	0	44.22	54	-9.78	-	-	-	-	193	203	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum 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_0018724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	7.017	26.59	PK	35.8	-25.4	0	36.99	-	-	-	-	68.2	-31.21	0-360	150	H
4	* 11.165	26.09	PK	38.2	-19.6	0	44.69	-	-	74	-29.31	-	-	0-360	250	H
5	16.74	24.24	PK	40.9	-19.2	0	45.94	-	-	-	-	68.2	-22.26	0-360	150	H
2	7.045	26.09	PK	35.9	-24.8	0	37.19	-	-	-	-	68.2	-31.01	0-360	150	V
3	* 11.159	25.5	PK	38.2	-19.6	0	44.1	-	-	74	-29.9	-	-	0-360	150	V
6	16.74	23.86	PK	40.9	-19.2	0	45.56	-	-	-	-	68.2	-22.64	0-360	150	V

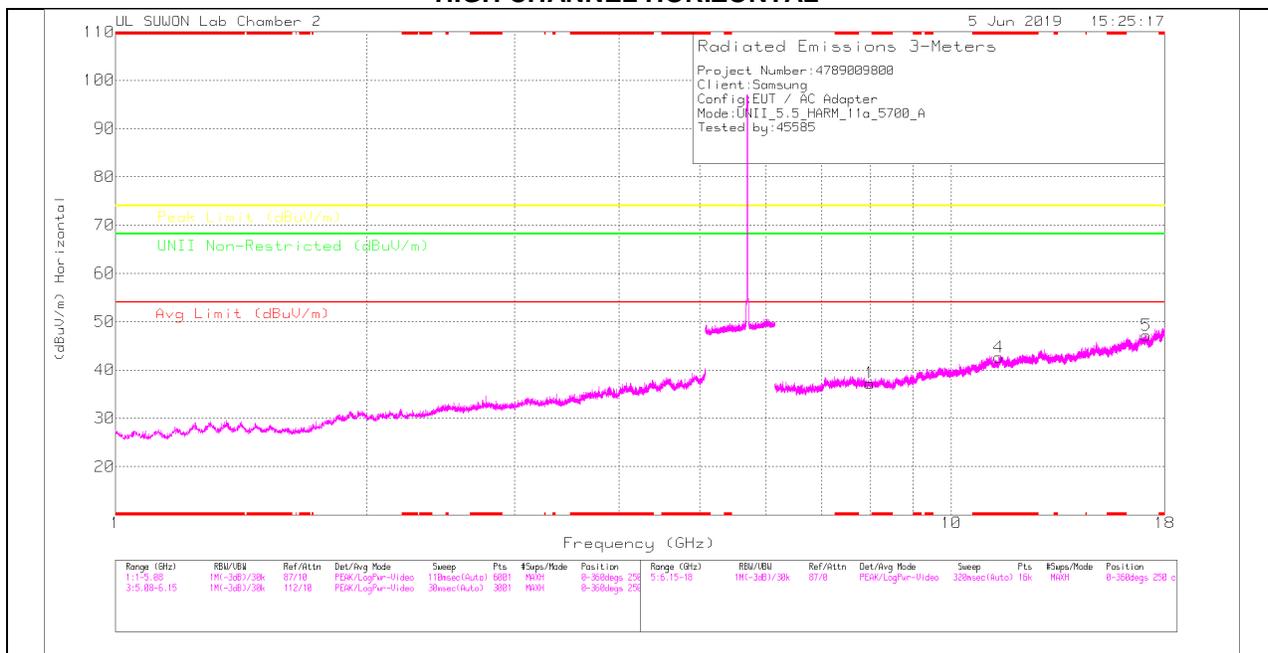
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

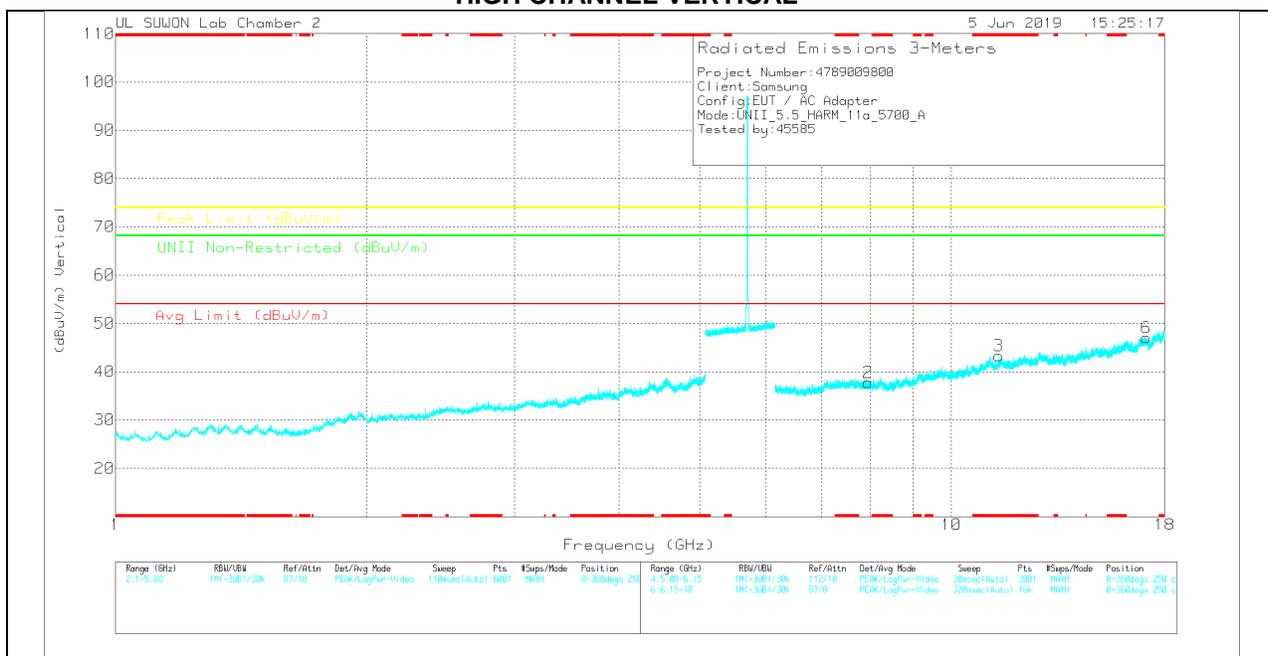
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0018724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 11.159	37.74	PK2	38.2	-19.6	0	56.34	-	-	74	-17.66	-	-	151	184	H
* 11.16	25.18	MAv1	38.2	-19.6	0	43.78	54	-10.22	-	-	-	-	151	184	H
* 11.152	38.33	PK2	38.2	-19.6	0	56.93	-	-	74	-17.07	-	-	179	194	V
* 11.159	25.57	MAv1	38.2	-19.6	0	44.17	54	-9.83	-	-	-	-	179	194	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum 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

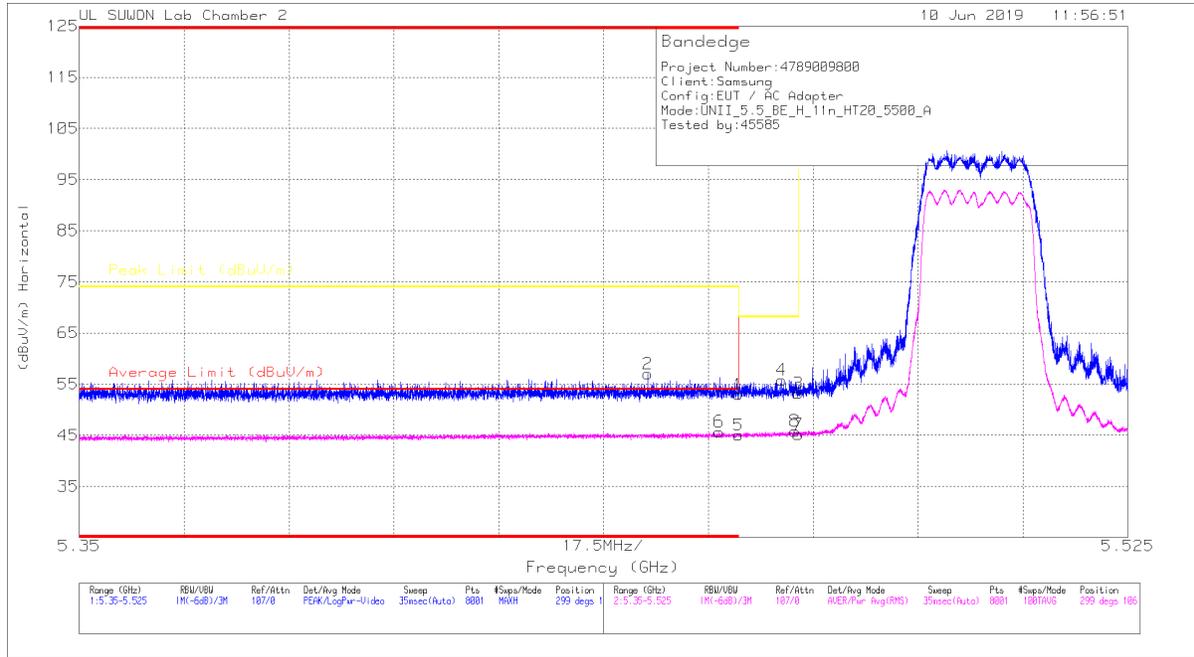
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.989	25.29	PK	35.9	-23.9	0	37.29	-	-	-	-	68.2	-30.91	0-360	150	H
4	* 11.401	24.5	PK	38.3	-20.2	0	42.6	-	-	74	-31.4	-	-	0-360	150	H
5	17.104	24.56	PK	41.3	-18.7	0	47.16	-	-	-	-	68.2	-21.04	0-360	250	H
2	7.95	25.7	PK	35.9	-23.8	0	37.8	-	-	-	-	68.2	-30.4	0-360	250	V
3	* 11.399	25.15	PK	38.3	-20.2	0	43.25	-	-	74	-30.75	-	-	0-360	150	V
6	17.102	24.34	PK	41.3	-18.6	0	47.04	-	-	-	-	68.2	-21.16	0-360	250	V

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

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 11.3.2.TX ABOVE 1GHz 802.11n HT20 2Tx CDD MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA

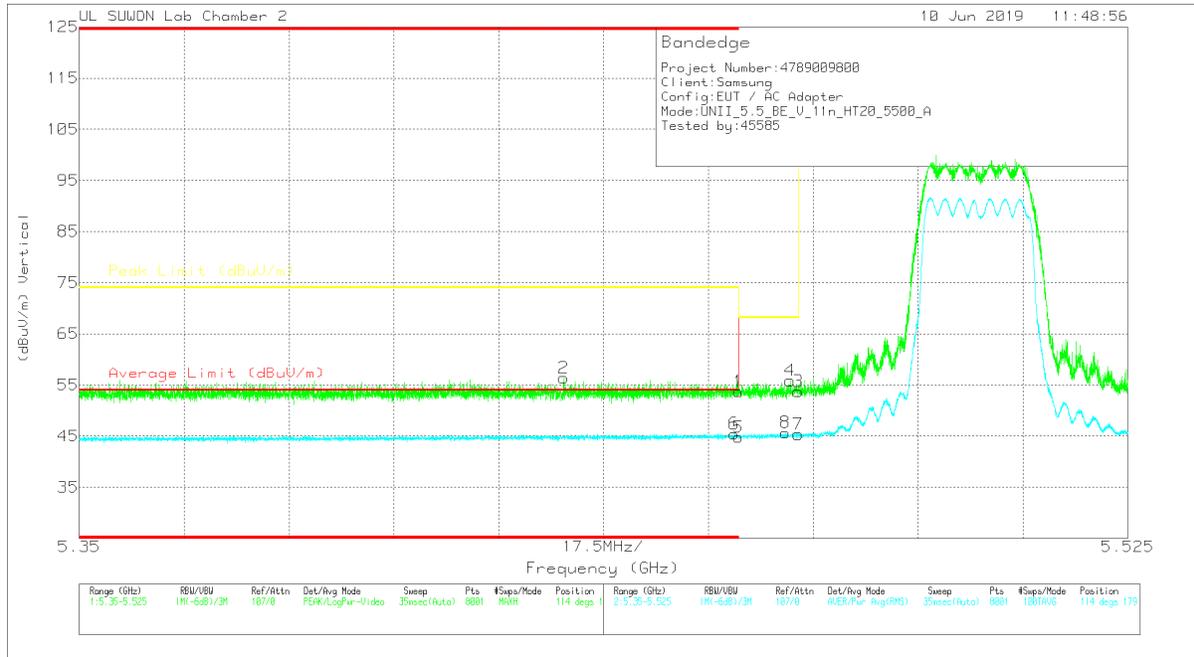


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	* 5.46	36.6	Pk	34.6	-18.2	0	53	-	-	74	-21	299	106	H
2	* 5.445	40.68	Pk	34.5	-18.2	0	56.98	-	-	74	-17.02	299	106	H
3	5.47	36.7	Pk	34.6	-18.1	0	53.2	-	-	68.2	-15	299	106	H
4	5.467	39.43	Pk	34.6	-18.2	0	55.83	-	-	68.2	-12.37	299	106	H
5	* 5.46	27.33	RMS	34.6	-16.9	0	45.03	54	-8.97	-	-	299	106	H
6	* 5.457	27.99	RMS	34.6	-16.9	0	45.69	54	-8.31	-	-	299	106	H
7	5.47	27.47	RMS	34.6	-16.9	0	45.17	-	-	-	-	299	106	H
8	5.469	28.12	RMS	34.6	-16.9	0	45.82	-	-	-	-	299	106	H

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

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	* 5.46	37.34	Pk	34.6	-18.2	0	53.74	-	-	74	-20.26	114	179	V
2	* 5.431	40.08	Pk	34.5	-18.2	0	56.38	-	-	74	-17.62	114	179	V
3	5.47	37.24	Pk	34.6	-18.1	0	53.74	-	-	68.2	-14.46	114	179	V
4	5.469	39.36	Pk	34.6	-18.1	0	55.86	-	-	68.2	-12.34	114	179	V
5	* 5.46	27.1	RMS	34.6	-16.9	0	44.8	54	-9.2	-	-	114	179	V
6	* 5.459	27.75	RMS	34.6	-16.9	0	45.45	54	-8.55	-	-	114	179	V
7	5.47	27.66	RMS	34.6	-16.9	0	45.36	-	-	-	-	114	179	V
8	5.468	28	RMS	34.6	-16.9	0	45.7	-	-	-	-	114	179	V

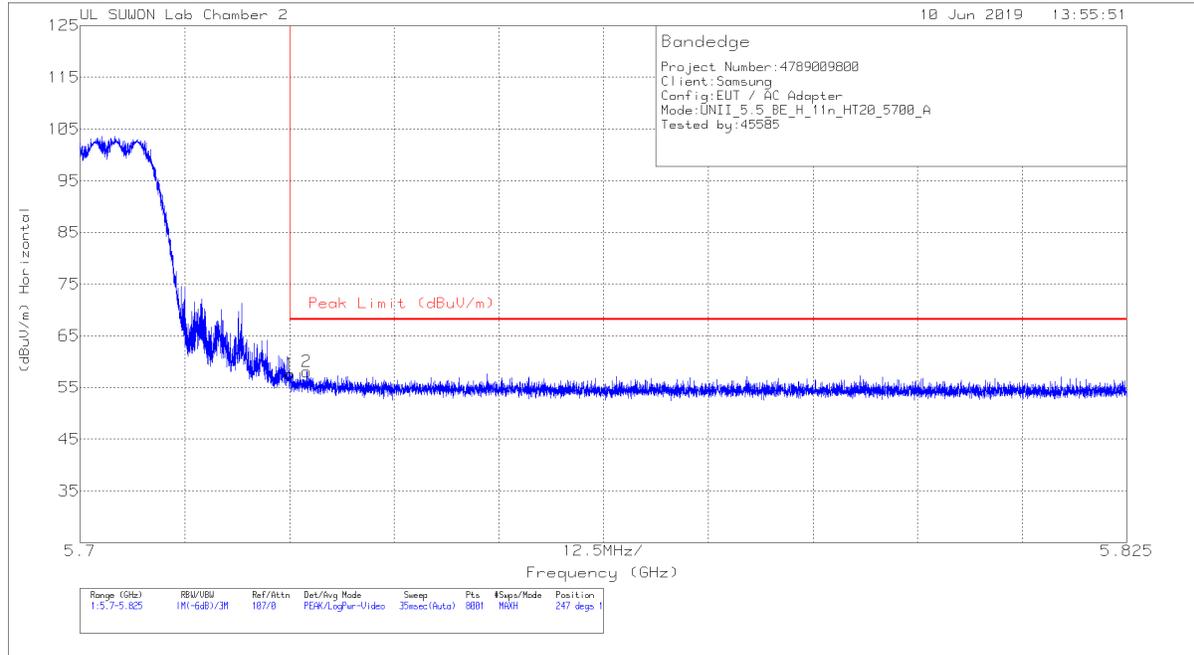
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE DATA

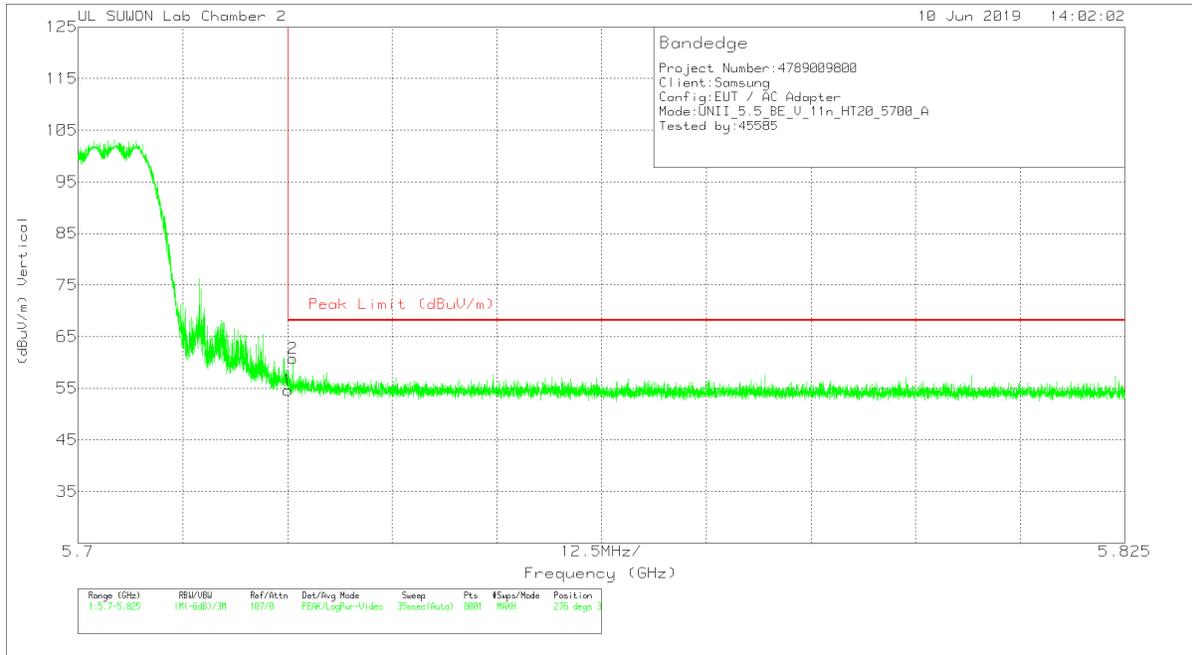


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.54	Pk	34.7	-17.6	0	57.64	68.2	-10.56	247	174	H
2	5.727	40.96	Pk	34.7	-17.6	0	58.06	68.2	-10.14	247	174	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



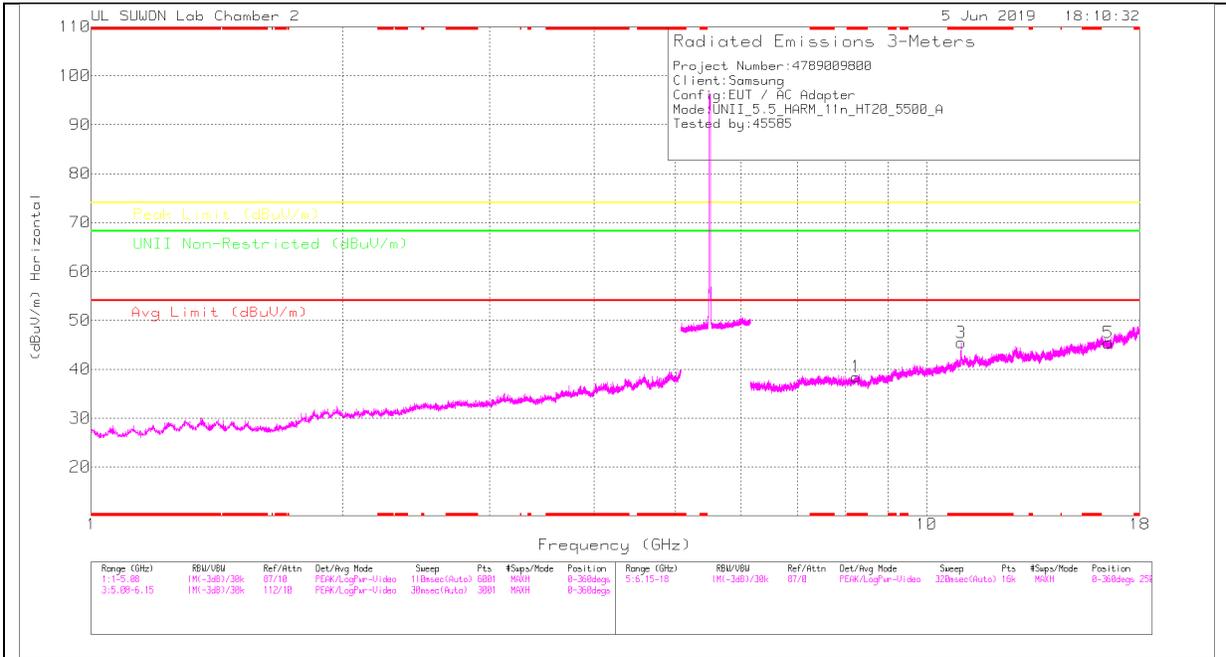
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.48	Pk	34.7	-17.6	0	54.58	68.2	-13.62	276	328	V
2	5.726	43.56	Pk	34.7	-17.5	0	60.76	68.2	-7.44	276	328	V

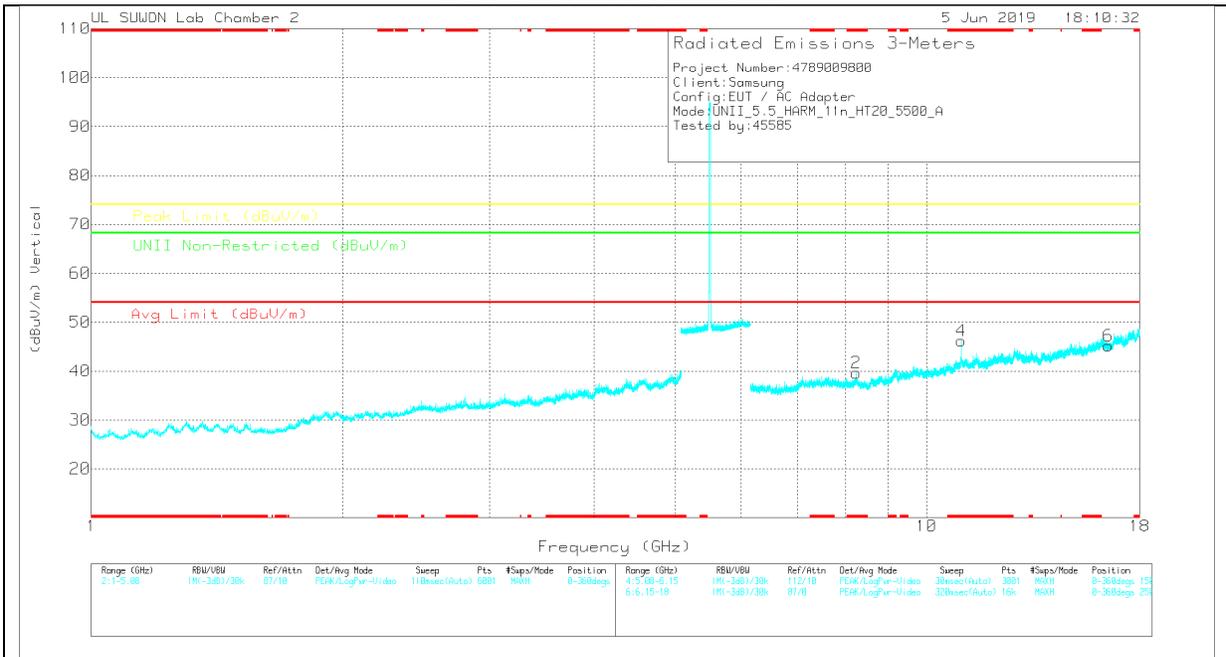
Pk - Peak detector

## 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_00188724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8.236	25.65	PK	36	-23.2	0	38.45	-	-	74	-35.55	-	-	0-360	250	H
3	* 11.002	27.89	PK	38.1	-20.6	0	45.39	-	-	74	-28.61	-	-	0-360	250	H
5	16.505	24.78	PK	40.5	-19.9	0	45.38	-	-	-	-	68.2	-22.82	0-360	250	H
2	* 8.237	26.93	PK	36	-23.3	0	39.63	-	-	74	-34.37	-	-	0-360	150	V
4	* 10.999	28.68	PK	38.1	-20.6	0	46.18	-	-	74	-27.82	-	-	0-360	150	V
6	16.506	24.48	PK	40.5	-19.8	0	45.18	-	-	-	-	68.2	-23.02	0-360	150	V

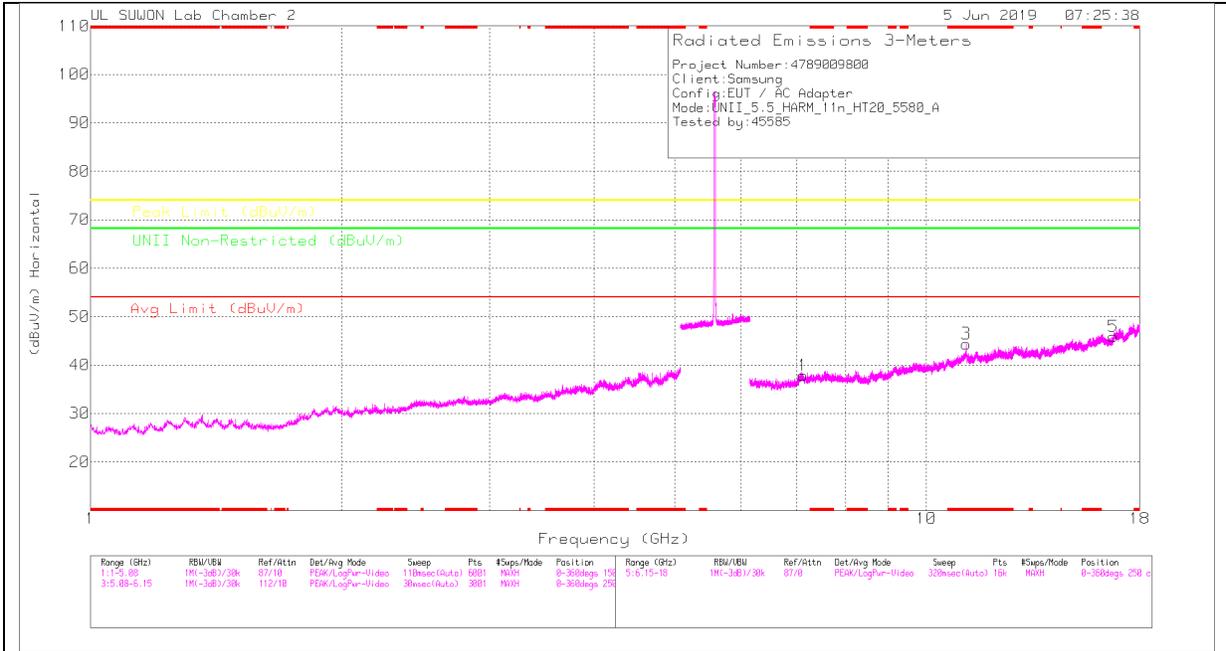
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

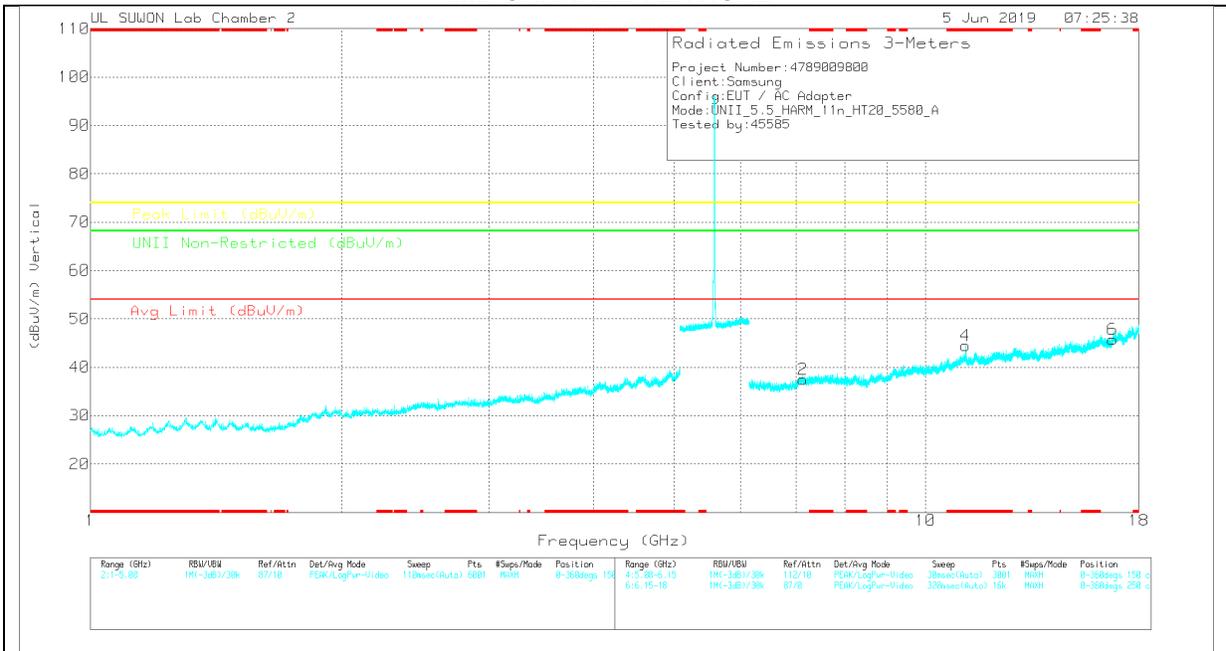
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.002	39.4	PK-U	38.1	-20.6	0	56.9	-	-	74	-17.1	-	-	140	188	H
* 11	26.98	ADR	38.1	-20.6	0	44.48	54	-9.52	-	-	-	-	140	188	H
* 11.002	39.75	PK-U	38.1	-20.6	0	57.25	-	-	74	-16.75	-	-	178	161	V
* 10.999	26.25	ADR	38.1	-20.6	0	43.75	54	-10.25	-	-	-	-	178	161	V

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

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	66Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.122	25.62	PK	36	-23.8	0	37.82	-	-	-	-	68.2	-30.38	0-360	250	H
3	*11.16	25.8	PK	38.2	-19.6	0	44.4	-	-	74	-29.6	-	-	0-360	150	H
5	16.744	24.04	PK	40.9	-19.1	0	45.84	-	-	-	-	68.2	-22.36	0-360	150	H
2	7.125	25.3	PK	36	-23.8	0	37.5	-	-	-	-	68.2	-30.7	0-360	250	V
4	*11.158	25.85	PK	38.2	-19.6	0	44.45	-	-	74	-29.55	-	-	0-360	150	V
6	16.745	23.96	PK	40.9	-19.1	0	45.76	-	-	-	-	68.2	-22.44	0-360	150	V

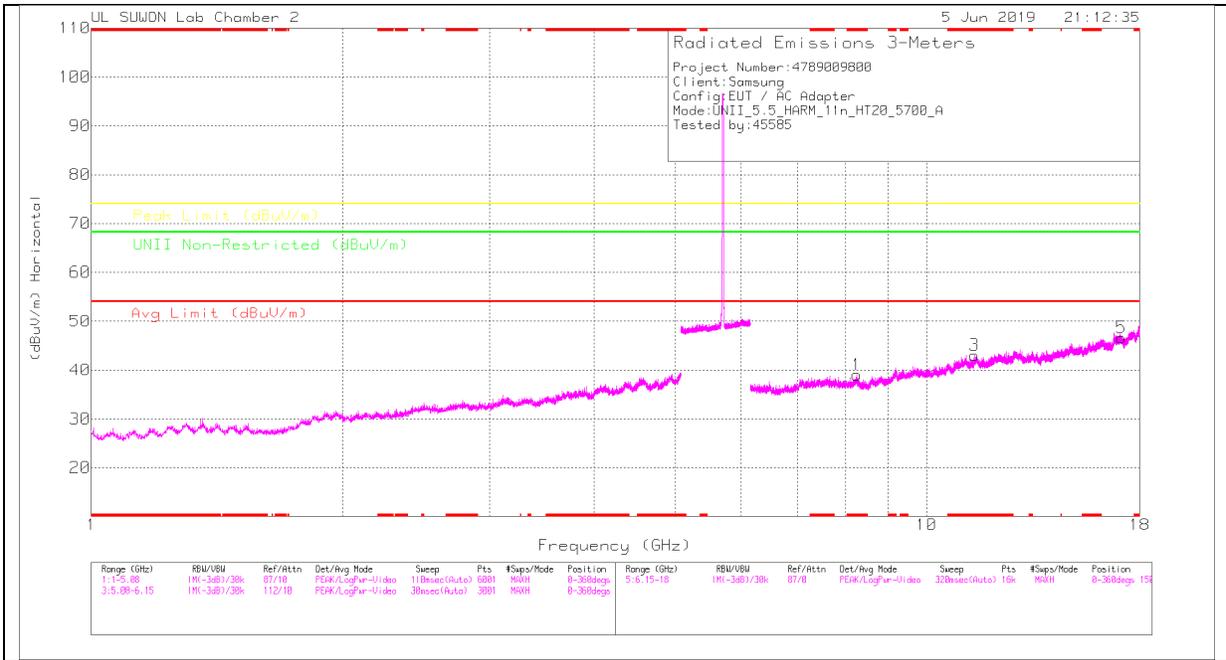
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

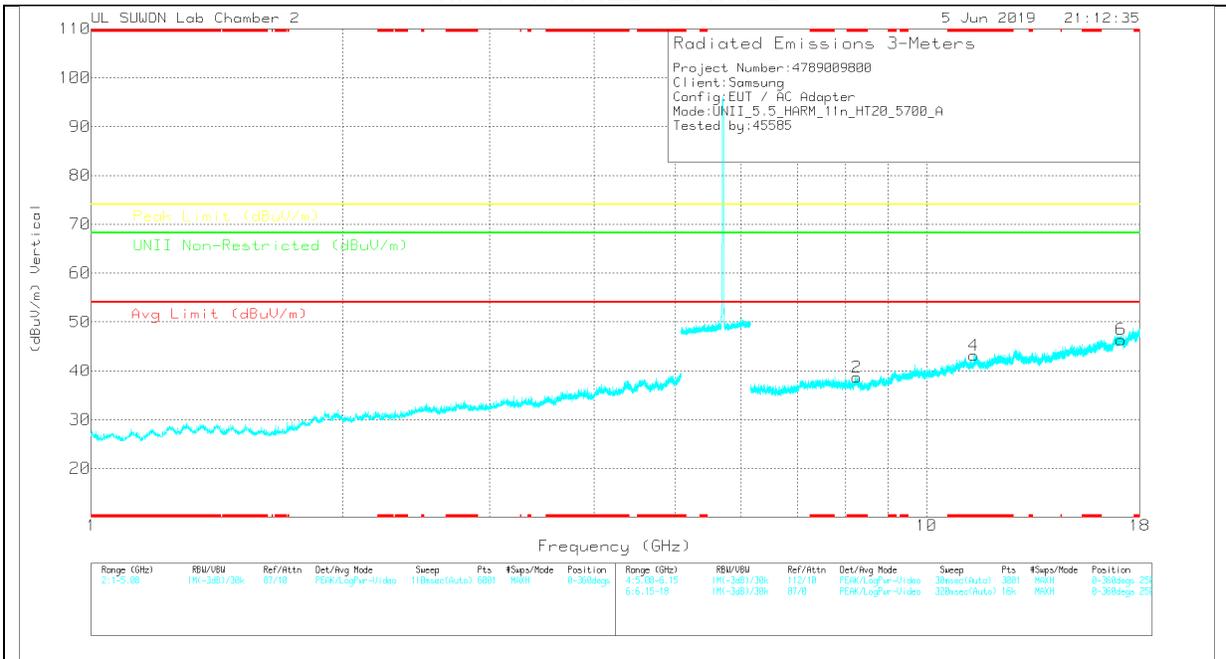
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	66Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Ag Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
*11.154	37.27	PK-U	38.2	-19.6	0	55.87	-	-	74	-18.13	-	-	254	168	H
*11.16	24.64	ADR	38.2	-19.6	0	43.24	54	-10.76	-	-	-	-	254	168	H
*11.152	38.74	PK-U	38.2	-19.6	0	57.34	-	-	74	-16.66	-	-	184	165	V
*11.16	25.49	ADR	38.2	-19.6	0	44.09	54	-9.91	-	-	-	-	184	165	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

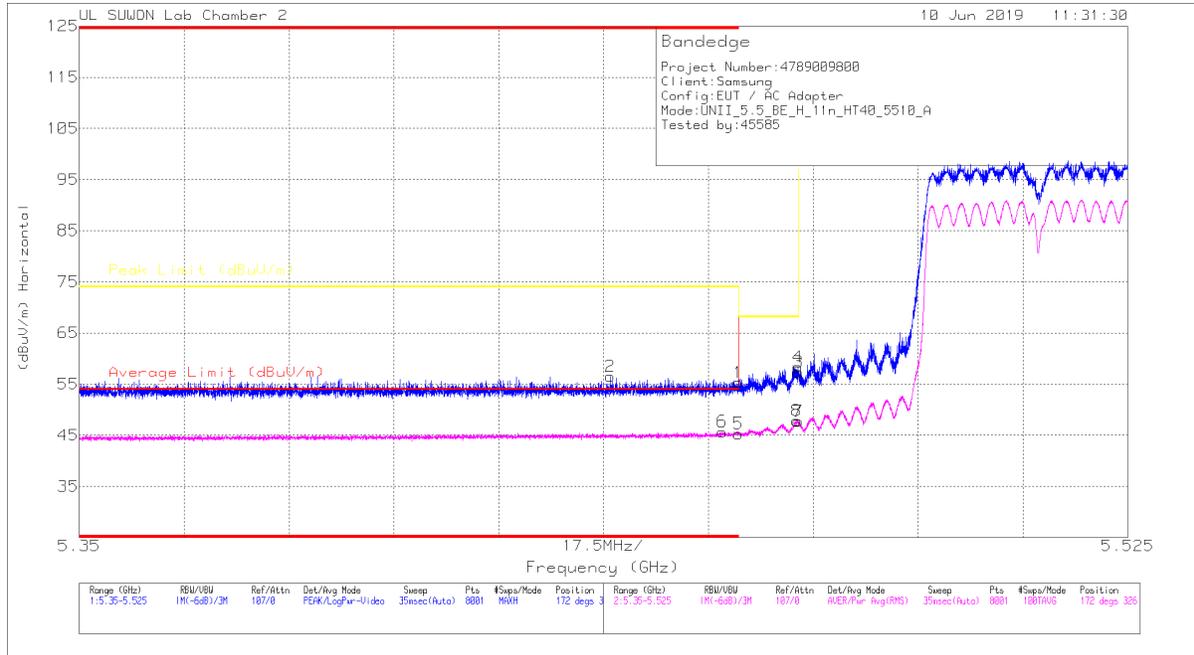
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8.246	26.09	PK	36	-23.1	0	38.99	-	-	74	-35.01	-	-	0-360	250	H
3	* 11.401	24.96	PK	38.3	-20.2	0	43.06	-	-	74	-30.94	-	-	0-360	250	H
5	17.103	24.02	PK	41.3	-18.7	0	46.62	-	-	-	-	68.2	-21.58	0-360	250	H
2	* 8.247	25.76	PK	36	-23.1	0	38.66	-	-	74	-35.34	-	-	0-360	150	V
4	* 11.393	25.01	PK	38.3	-20.2	0	43.11	-	-	74	-30.89	-	-	0-360	150	V
6	17.094	23.79	PK	41.3	-18.7	0	46.39	-	-	-	-	68.2	-21.81	0-360	250	V

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

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 11.3.3.TX ABOVE 1GHz 802.11n HT40 2Tx CDD MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA

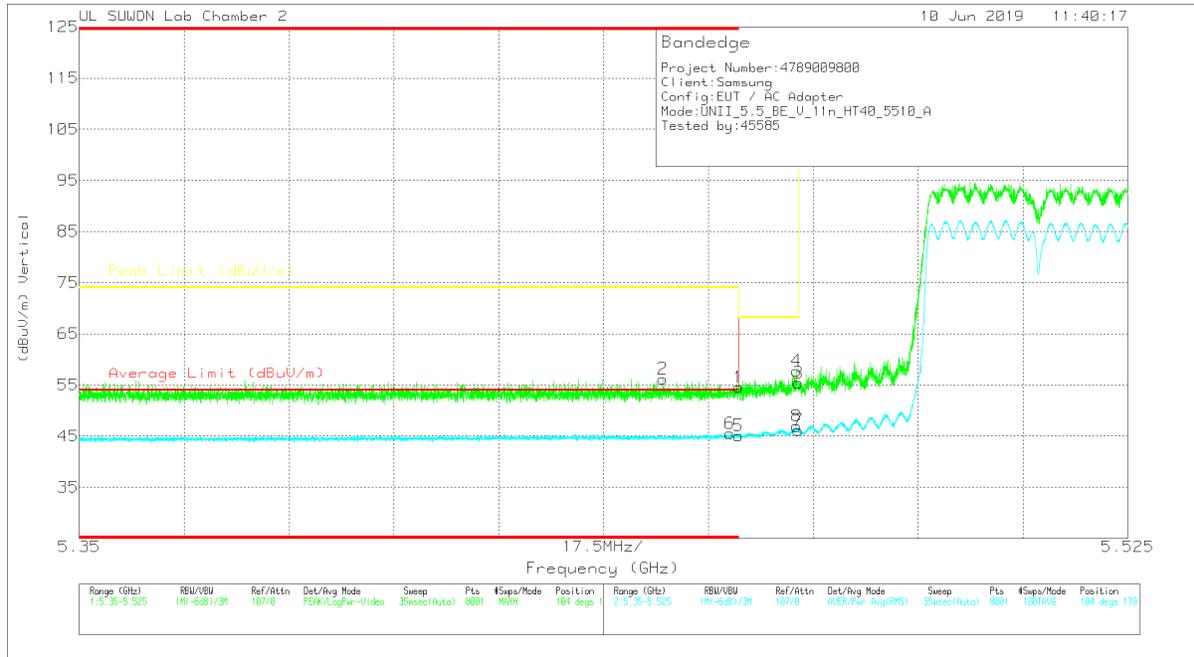


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	* 5.46	38.9	Pk	34.6	-18.2	0	55.3	-	-	74	-18.7	172	326	H
2	* 5.439	40.2	Pk	34.5	-18.2	0	56.5	-	-	74	-17.5	172	326	H
3	5.47	40.83	Pk	34.6	-18.1	0	57.33	-	-	68.2	-10.87	172	326	H
4	5.47	41.87	Pk	34.6	-18.1	0	58.37	-	-	68.2	-9.83	172	326	H
5	* 5.46	27.61	RMS	34.6	-16.9	0	45.31	54	-8.69	-	-	172	326	H
6	* 5.457	28	RMS	34.6	-16.9	0	45.7	54	-8.3	-	-	172	326	H
7	5.47	30.04	RMS	34.6	-16.9	0	47.74	-	-	-	-	172	326	H
8	5.47	30.15	RMS	34.6	-16.9	0	47.85	-	-	-	-	172	326	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_00168724	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	* 5.46	38.14	Pk	34.6	-18.2	0	54.54	-	-	74	-19.46	104	170	V
2	* 5.447	39.89	Pk	34.5	-18.2	0	56.19	-	-	74	-17.81	104	170	V
3	5.47	38.94	Pk	34.6	-18.1	0	55.44	-	-	68.2	-12.76	104	170	V
4	5.47	41.28	Pk	34.6	-18.1	0	57.78	-	-	68.2	-10.42	104	170	V
5	* 5.46	27.37	RMS	34.6	-16.9	0	45.07	54	-8.93	-	-	104	170	V
6	* 5.459	27.84	RMS	34.6	-16.9	0	45.54	54	-8.46	-	-	104	170	V
7	5.47	28.49	RMS	34.6	-16.9	0	46.19	-	-	-	-	104	170	V
8	5.47	29.25	RMS	34.6	-16.9	0	46.95	-	-	-	-	104	170	V

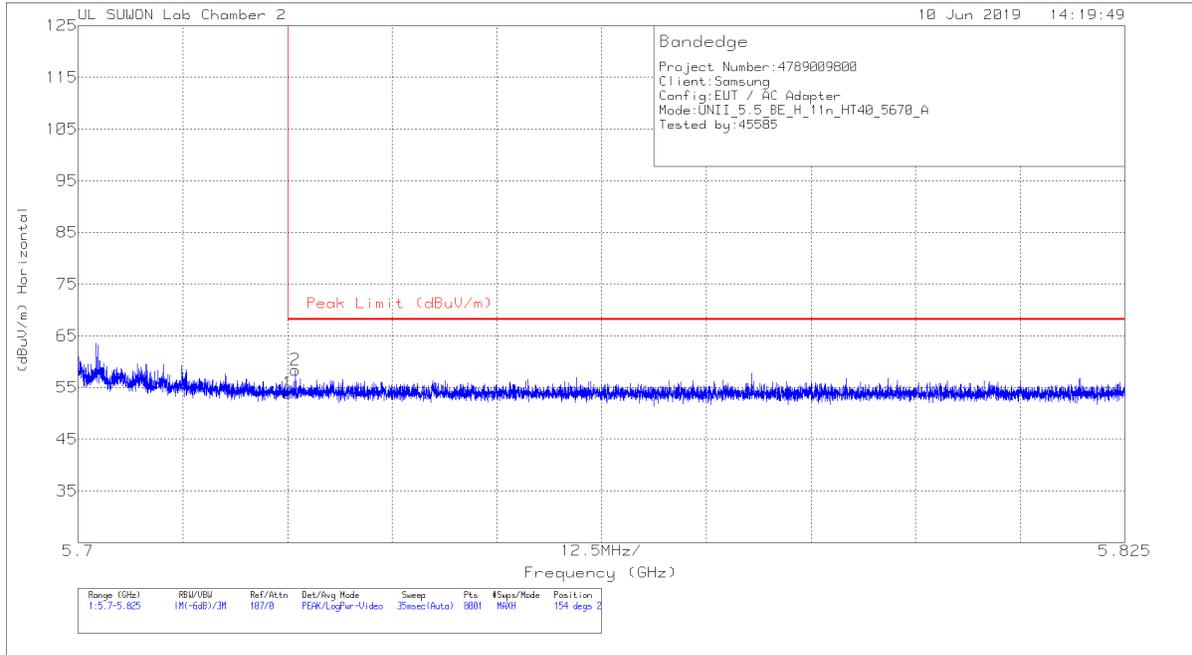
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA

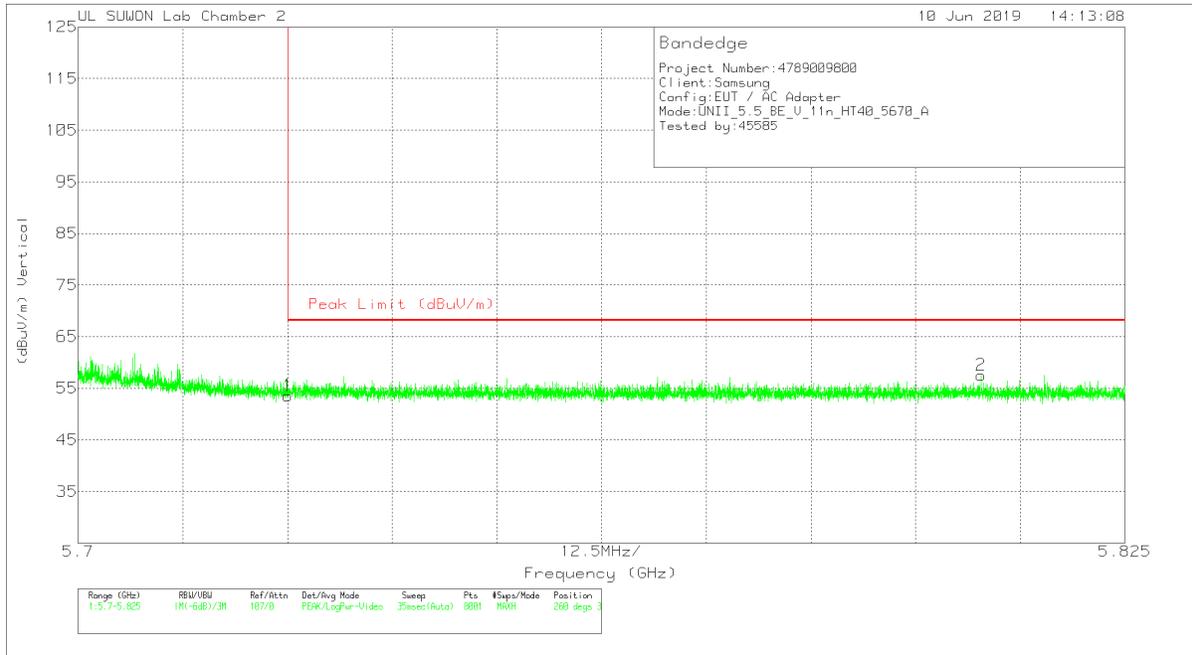


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.81	Pk	34.7	-17.6	0	53.91	68.2	-14.29	154	219	H
2	5.726	41.18	Pk	34.7	-17.5	0	58.38	68.2	-9.82	154	219	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



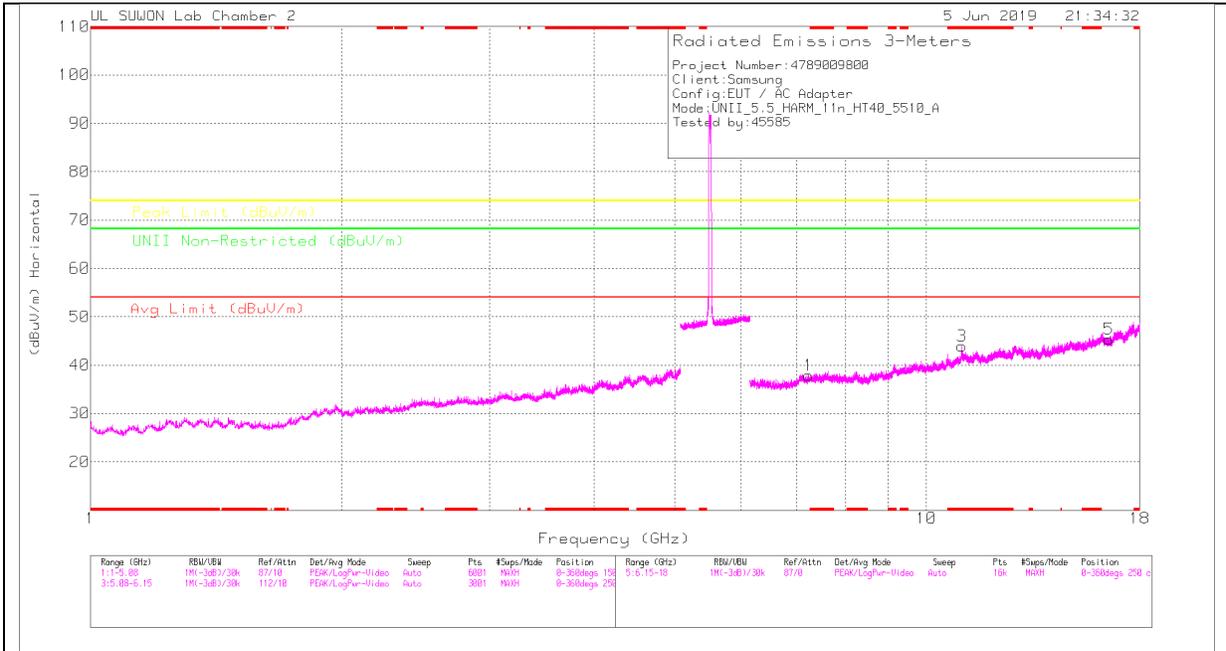
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.45	Pk	34.7	-17.6	0	53.55	68.2	-14.65	260	312	V
2	5.808	40.25	Pk	34.8	-17.5	0	57.55	68.2	-10.65	260	312	V

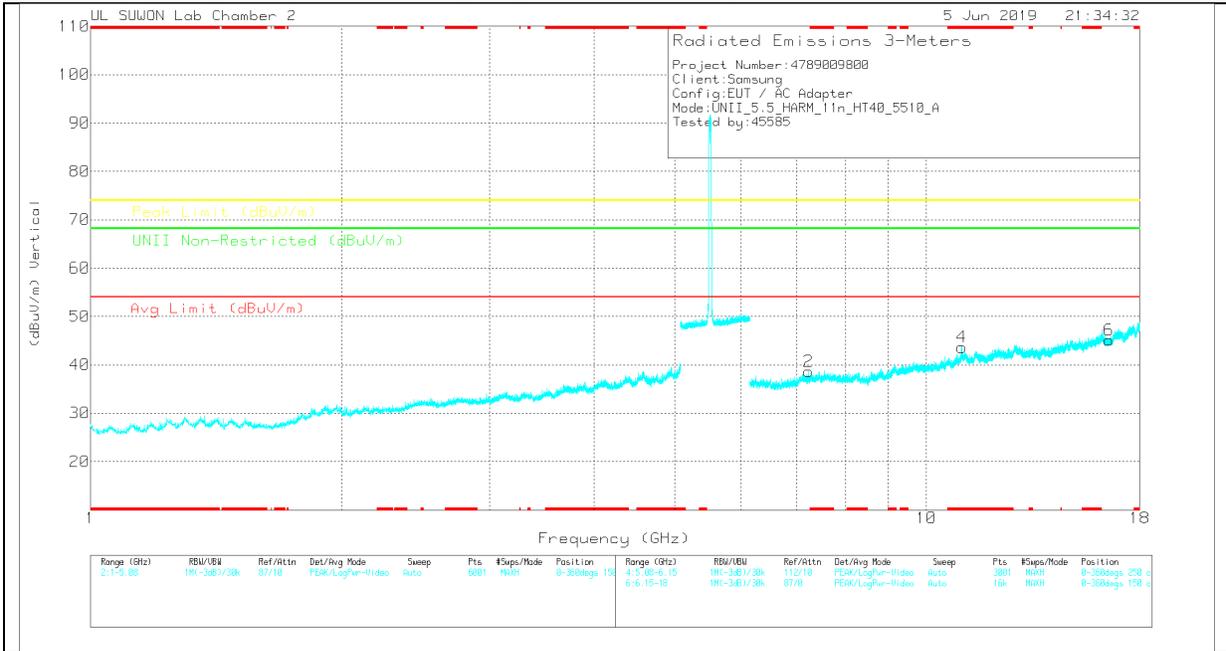
Pk - Peak detector

## 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_00188724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.23	27.16	PK	36.1	-25.4	0	37.86	-	-	-	-	68.2	-30.34	0-360	250	H
3	* 11.023	26.44	PK	38.1	-20.6	0	43.94	-	-	74	-30.06	-	-	0-360	250	H
5	16.534	24.66	PK	40.5	-19.8	0	45.36	-	-	-	-	68.2	-22.84	0-360	150	H
2	7.231	27.86	PK	36.1	-25.3	0	38.66	-	-	-	-	68.2	-29.54	0-360	150	V
4	* 11.017	26.13	PK	38.1	-20.6	0	43.63	-	-	74	-30.37	-	-	0-360	150	V
6	16.531	24.42	PK	40.5	-19.8	0	45.12	-	-	-	-	68.2	-23.08	0-360	250	V

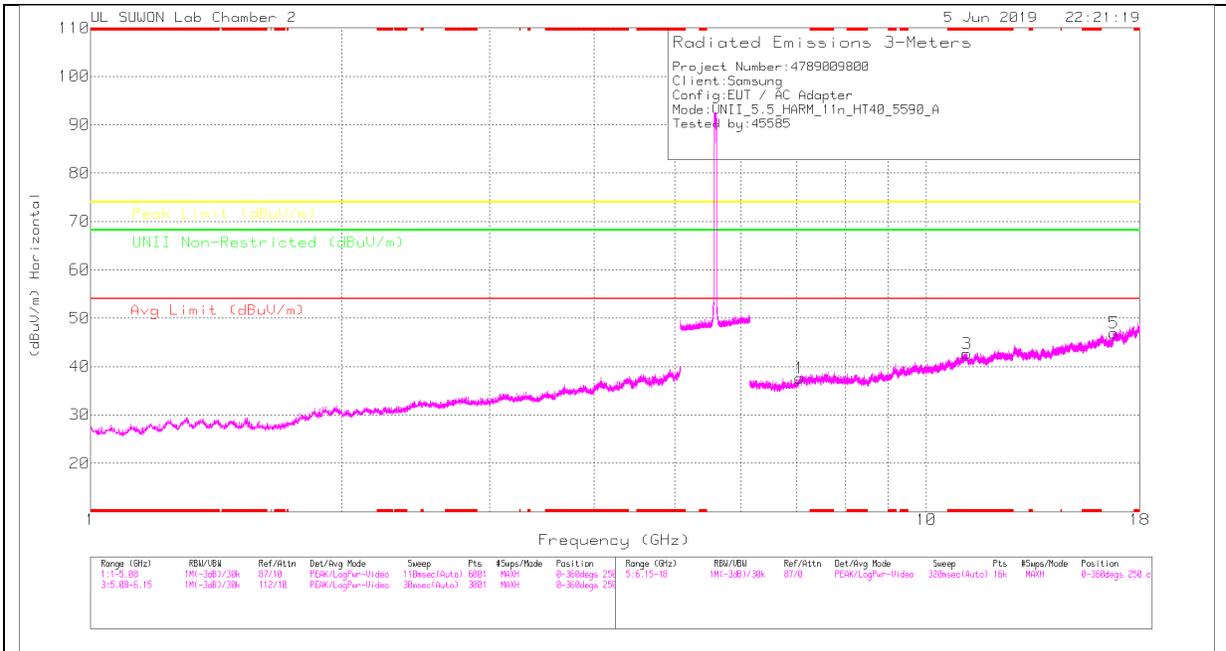
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

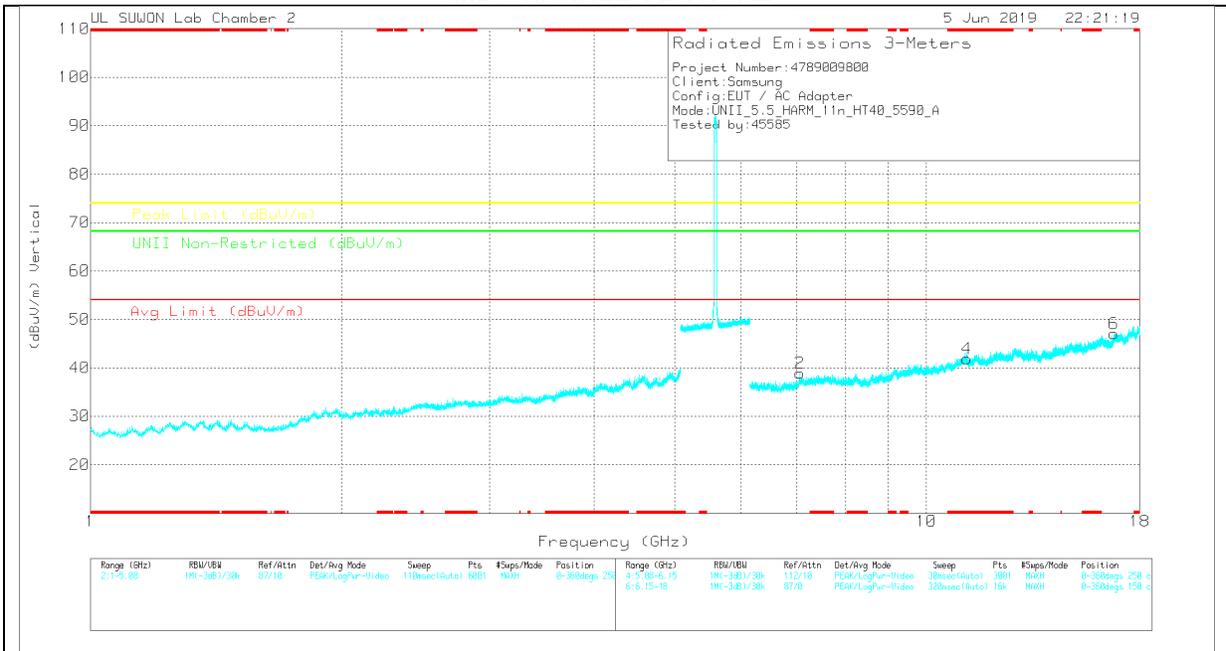
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00188724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.021	36.12	PK-U	38.1	-20.6	0	53.62	-	-	74	-20.38	-	-	145	162	H
* 11.02	24.04	ADR	38.1	-20.6	0	41.54	54	-12.46	-	-	-	-	145	162	H
* 11.017	37.06	PK-U	38.1	-20.6	0	54.56	-	-	74	-19.44	-	-	184	144	V
* 11.019	24.69	ADR	38.1	-20.6	0	42.19	54	-11.81	-	-	-	-	184	144	V

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

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

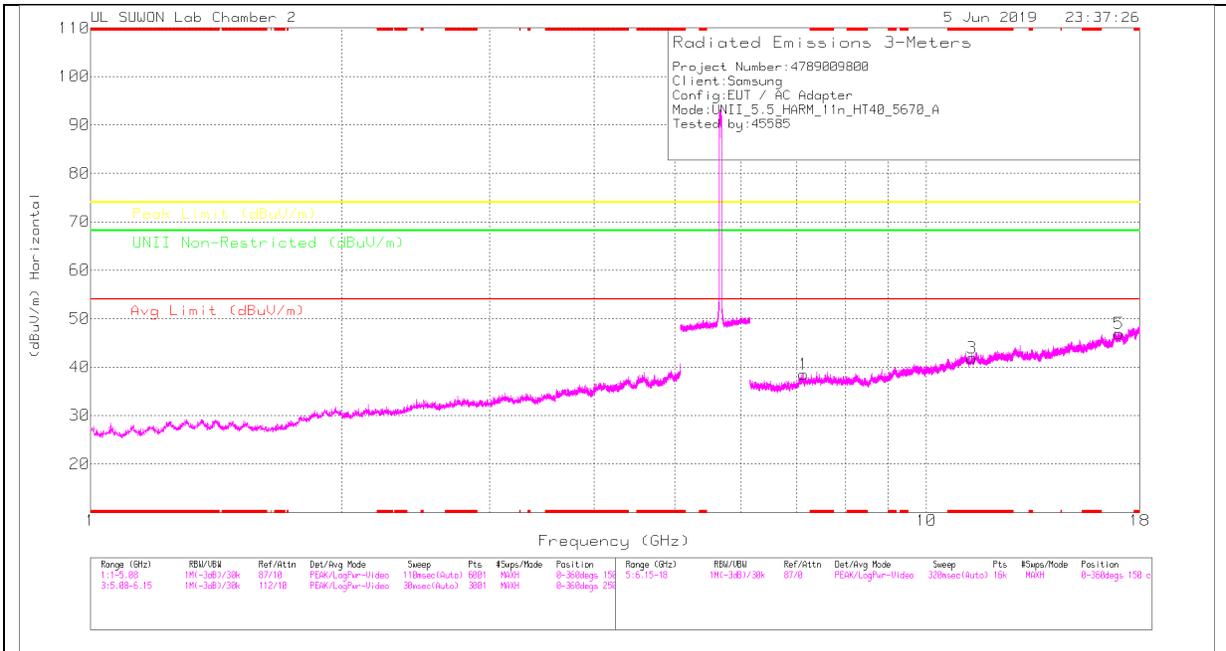
Trace Markers

Marker	Frequency (GHz)	Meas 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)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.054	26.16	PK	35.9	-24.5	0	37.56	-	-	-	-	68.2	-30.64	0-360	250	H
3	* 11.173	24.11	PK	38.2	-19.6	0	42.71	-	-	74	-31.29	-	-	0-360	250	H
5	16.764	24.84	PK	41	-18.9	0	46.94	-	-	-	-	68.2	-21.26	0-360	150	H
2	7.055	27.51	PK	35.9	-24.5	0	38.91	-	-	-	-	68.2	-29.29	0-360	150	V
4	* 11.171	23.27	PK	38.2	-19.6	0	41.87	-	-	74	-32.13	-	-	0-360	150	V
6	16.771	24.85	PK	41	-18.8	0	47.05	-	-	-	-	68.2	-21.15	0-360	250	V

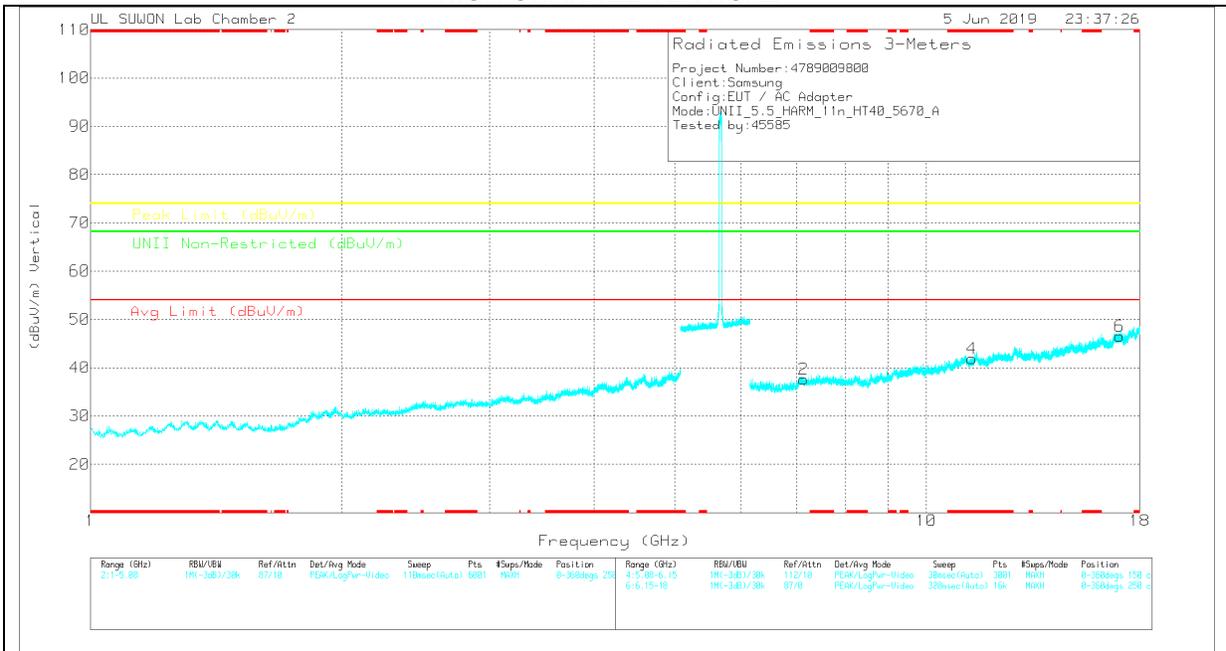
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 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

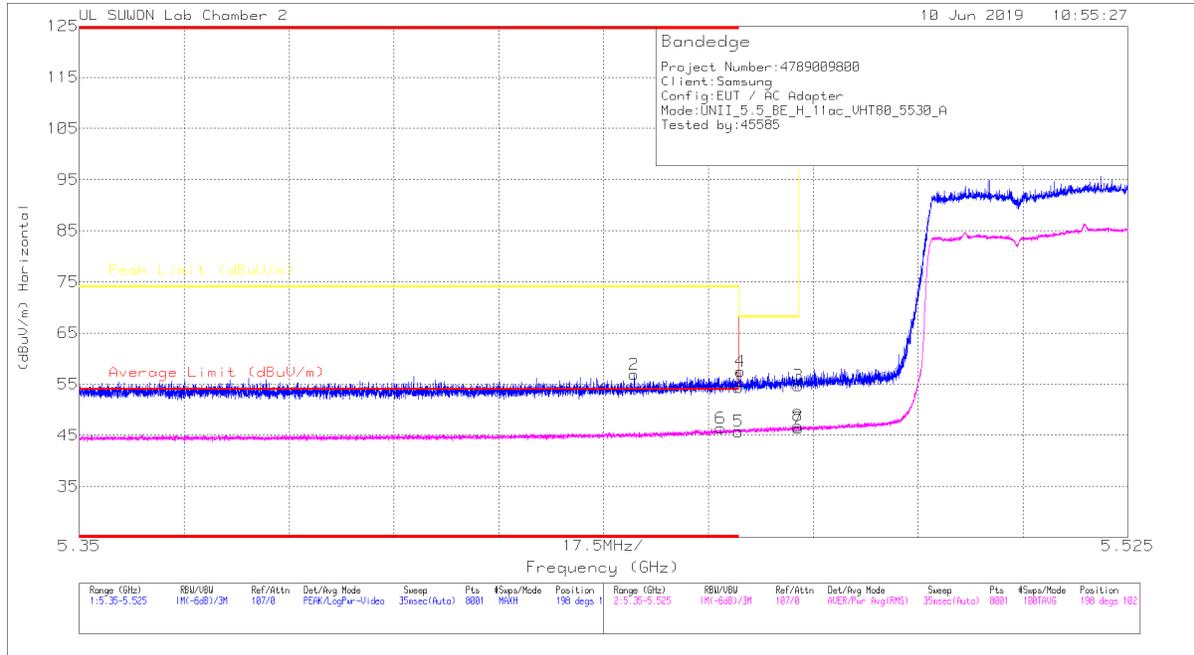
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00188724	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.125	26.35	PK	36	-23.8	0	38.55	-	-	-	-	68.2	-29.65	0-360	150	H
3	* 11.336	23.83	PK	38.3	-20.3	0	41.83	-	-	74	-32.17	-	-	0-360	150	H
5	17.007	24.18	PK	41.3	-18.5	0	46.98	-	-	-	-	68.2	-21.22	0-360	150	H
2	7.125	25.4	PK	36	-23.8	0	37.6	-	-	-	-	68.2	-30.6	0-360	150	V
4	* 11.336	23.83	PK	38.3	-20.3	0	41.83	-	-	74	-32.17	-	-	0-360	250	V
6	17.013	23.8	PK	41.3	-18.6	0	46.5	-	-	-	-	68.2	-21.7	0-360	250	V

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

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 11.3.4.TX ABOVE 1GHz 802.11ac VHT80 2Tx CDD MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA

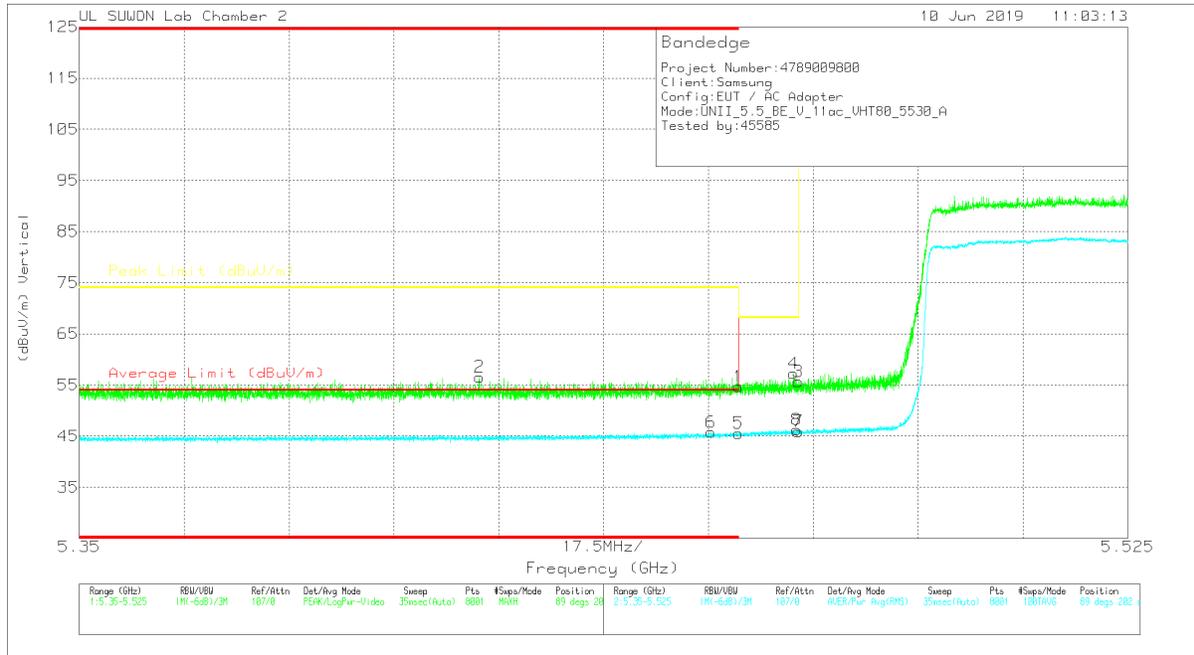


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	* 5.46	37.93	Pk	34.6	-18.2	0	54.33	-	-	74	-19.67	198	102	H
2	* 5.443	40.47	Pk	34.5	-18.1	0	56.87	-	-	74	-17.13	198	102	H
3	5.47	38.2	Pk	34.6	-18.1	0	54.7	-	-	68.2	-13.5	198	102	H
4	5.46	41.12	Pk	34.6	-18.2	0	57.52	-	-	68.2	-10.68	198	102	H
5	* 5.46	28.02	RMS	34.6	-16.9	0	45.72	54	-8.28	-	-	198	102	H
6	* 5.457	28.67	RMS	34.6	-16.9	0	46.37	54	-7.63	-	-	198	102	H
7	5.47	28.69	RMS	34.6	-16.9	0	46.39	-	-	-	-	198	102	H
8	5.47	29.12	RMS	34.6	-16.9	0	46.82	-	-	-	-	198	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_00168724	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	* 5.46	38.3	Pk	34.6	-18.2	0	54.7	-	-	74	-19.3	89	202	V
2	* 5.417	40.16	Pk	34.5	-18.1	0	56.56	-	-	74	-17.44	89	202	V
3	5.47	39.19	Pk	34.6	-18.1	0	55.69	-	-	68.2	-12.51	89	202	V
4	5.469	40.74	Pk	34.6	-18.1	0	57.24	-	-	68.2	-10.96	89	202	V
5	* 5.46	27.88	RMS	34.6	-16.9	0	45.58	54	-8.42	-	-	89	202	V
6	* 5.455	28.09	RMS	34.6	-16.9	0	45.79	54	-8.21	-	-	89	202	V
7	5.47	28.23	RMS	34.6	-16.9	0	45.93	-	-	-	-	89	202	V
8	5.47	28.54	RMS	34.6	-16.9	0	46.24	-	-	-	-	89	202	V

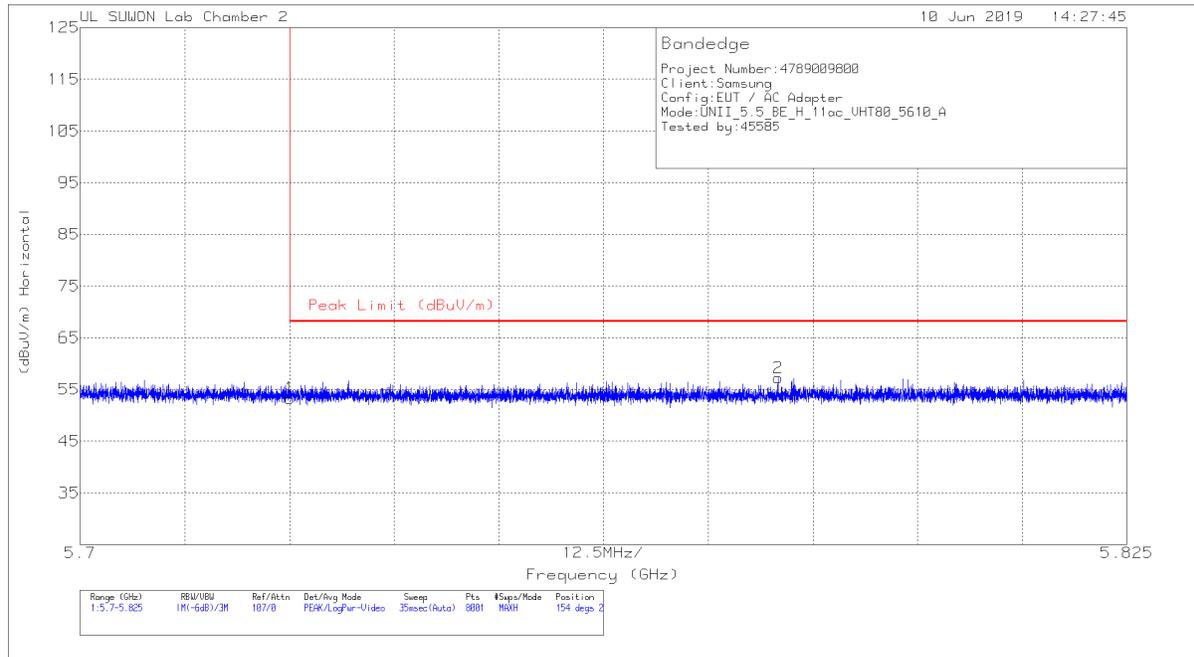
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE DATA

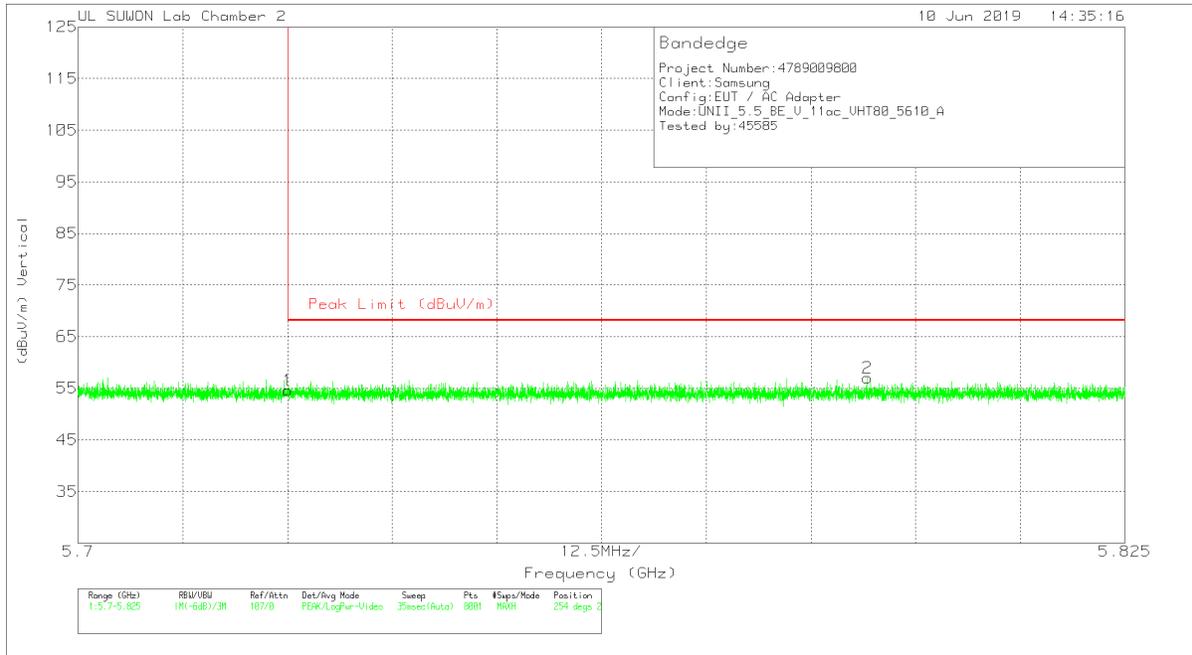


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.23	Pk	34.7	-17.6	0	53.33	68.2	-14.87	154	213	H
2	5.783	39.94	Pk	34.8	-17.5	0	57.24	68.2	-10.96	154	213	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



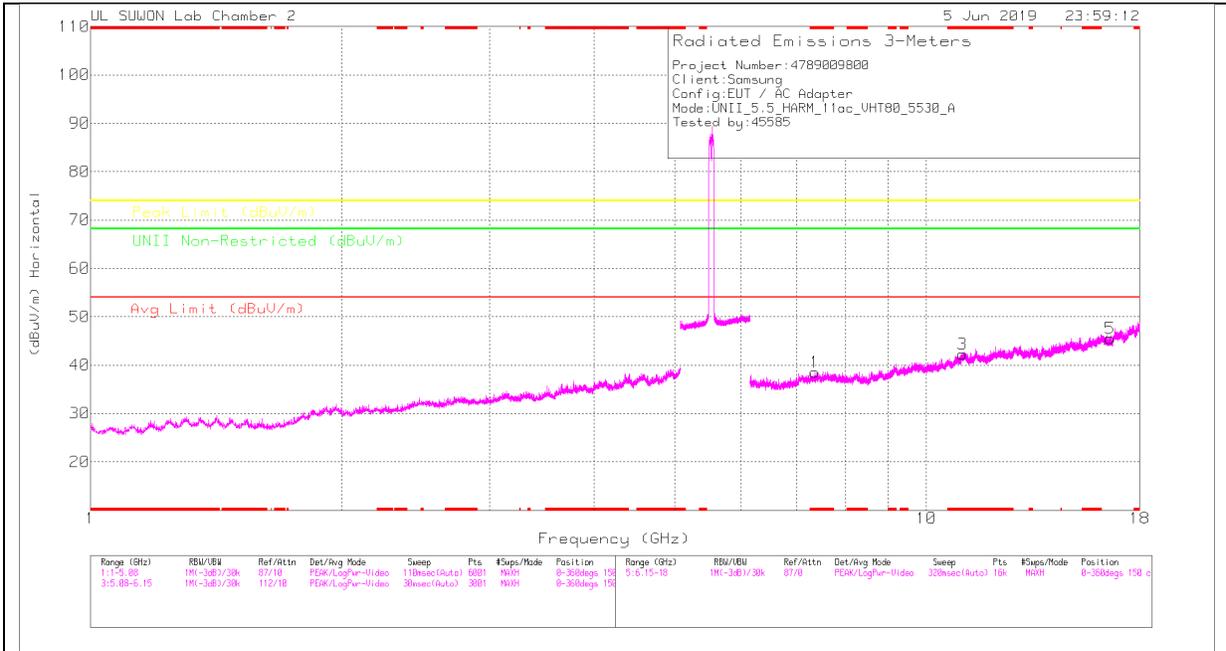
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.48	Pk	34.7	-17.6	0	54.58	68.2	-13.62	254	298	V
2	5.794	39.7	Pk	34.8	-17.5	0	57	68.2	-11.2	254	298	V

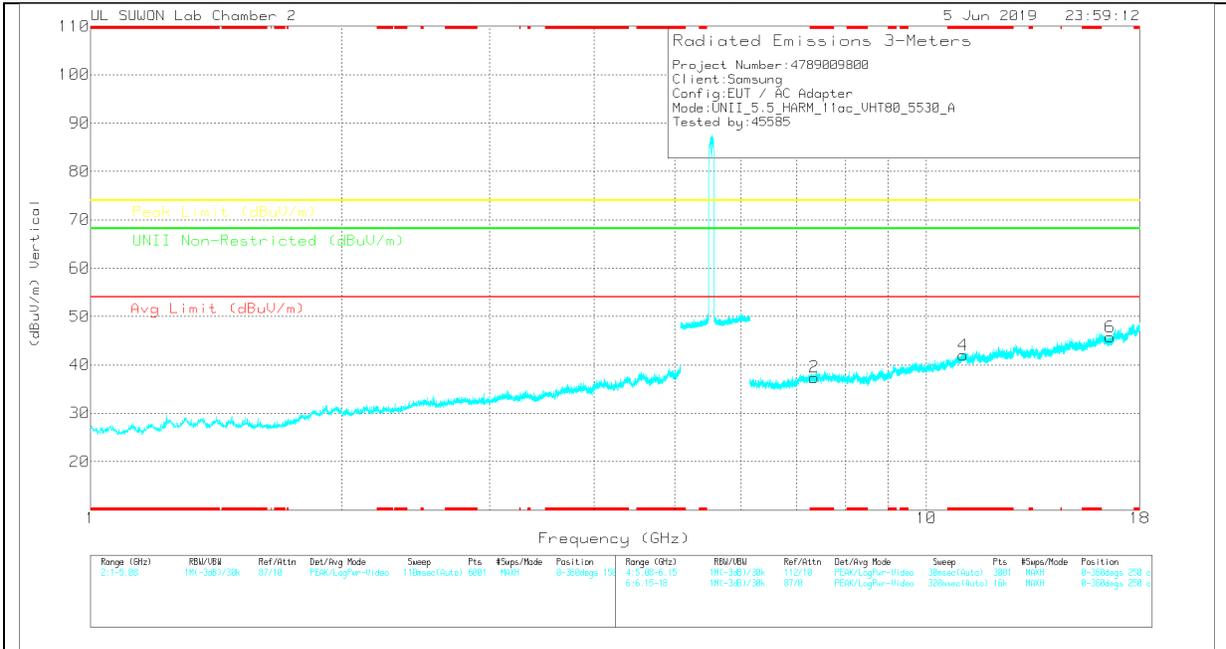
Pk - Peak detector

## 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**

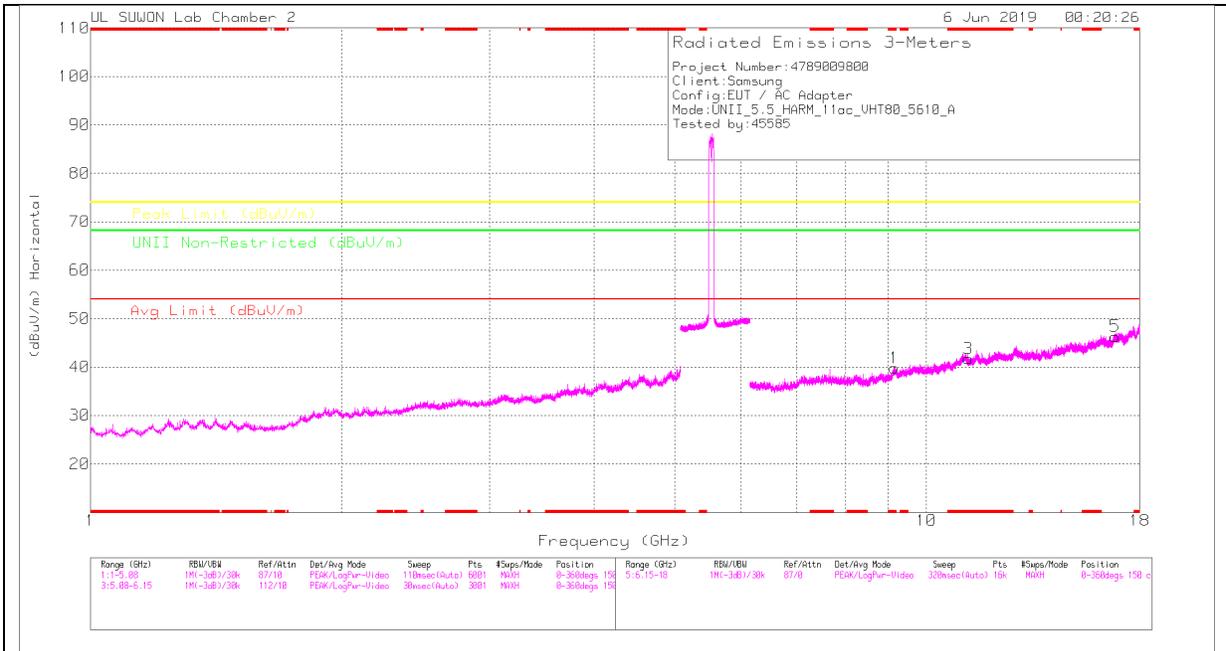
Trace Markers

Marker	Frequency (GHz)	Meas 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)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.35	27.11	PK	36.2	-24.8	0	38.51	-	-	74	-35.49	-	-	0-360	150	H
3	* 11.053	24.68	PK	38.2	-20.6	0	42.28	-	-	74	-31.72	-	-	0-360	150	H
5	16.588	24.59	PK	40.6	-19.7	0	45.49	-	-	-	-	68.2	-22.71	0-360	250	H
2	* 7.346	26.02	PK	36.2	-24.8	0	37.42	-	-	74	-36.58	-	-	0-360	150	V
4	* 11.058	24.36	PK	38.2	-20.6	0	41.96	-	-	74	-32.04	-	-	0-360	150	V
6	16.594	24.91	PK	40.6	-19.7	0	45.81	-	-	-	-	68.2	-22.39	0-360	150	V

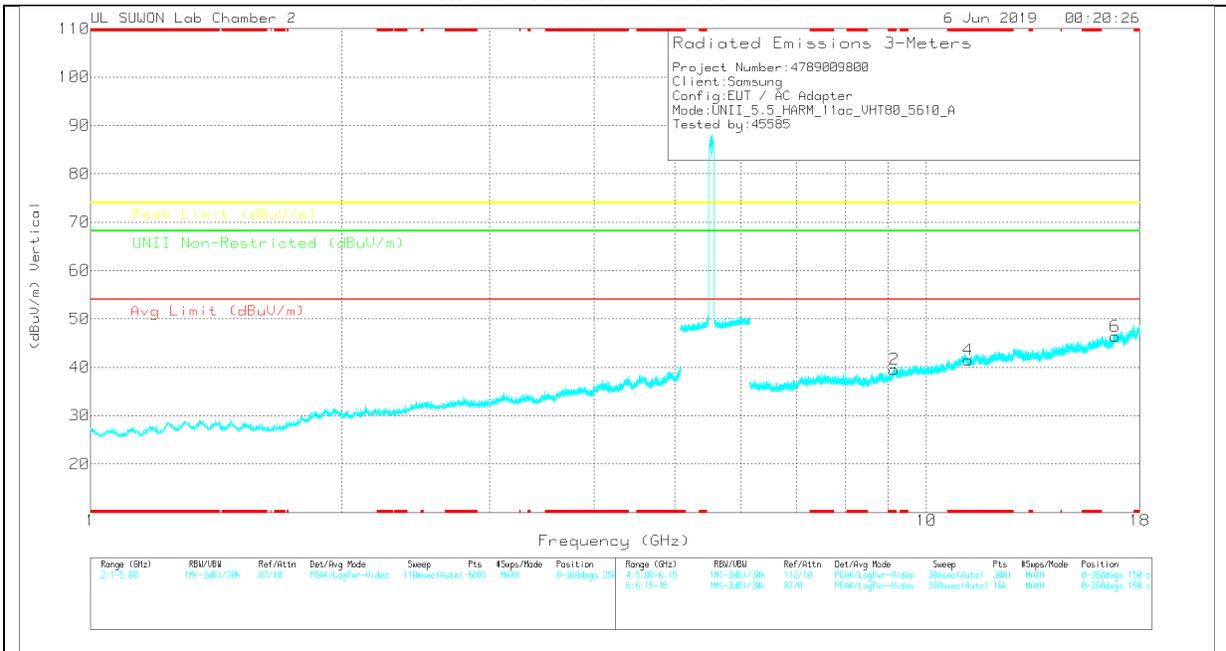
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 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)	Meas 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)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 9.154	24.86	PK	36.6	-21.6	0	39.86	-	-	74	-34.14	-	-	0-360	250	H
3	* 11.216	23.52	PK	38.3	-20.1	0	41.72	-	-	74	-32.28	-	-	0-360	250	H
5	16.828	23.84	PK	41.1	-18.6	0	46.34	-	-	-	-	68.2	-21.86	0-360	150	H
2	* 9.152	24.5	PK	36.6	-21.6	0	39.5	-	-	74	-34.5	-	-	0-360	150	V
4	* 11.216	23.4	PK	38.3	-20.2	0	41.5	-	-	74	-32.5	-	-	0-360	150	V
6	16.831	23.93	PK	41.1	-18.6	0	46.43	-	-	-	-	68.2	-21.77	0-360	250	V

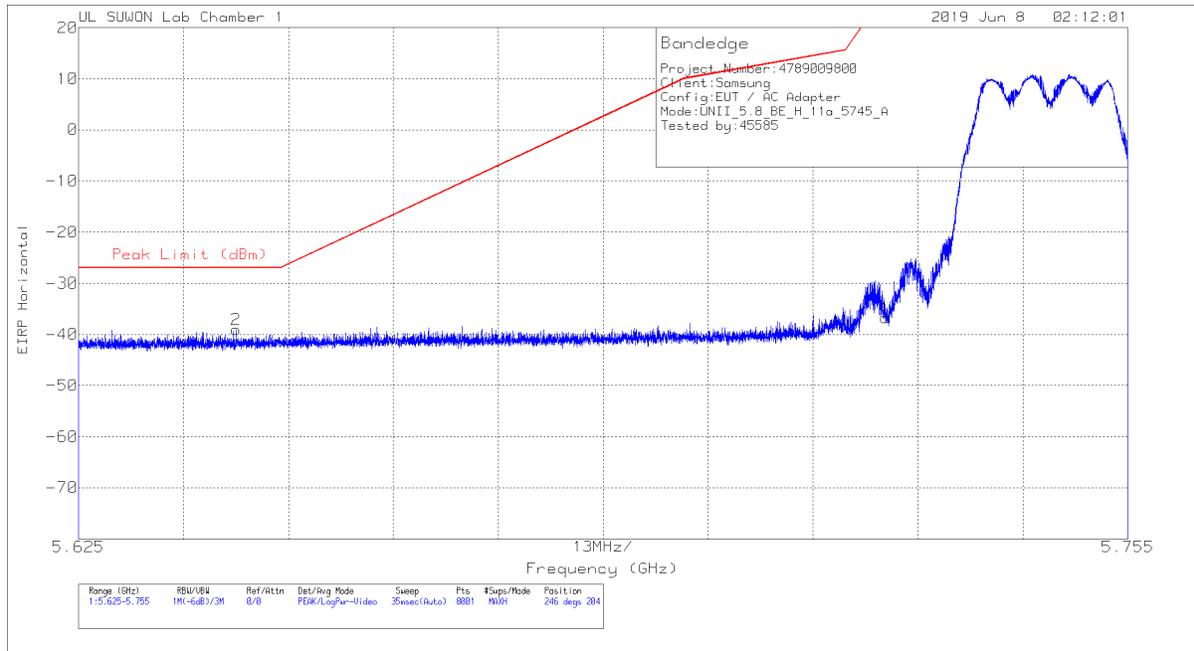
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

## 11.4. 5.8 GHz

### 11.4.1. TX ABOVE 1GHz 802.11a 2Tx CDD MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK PLOT

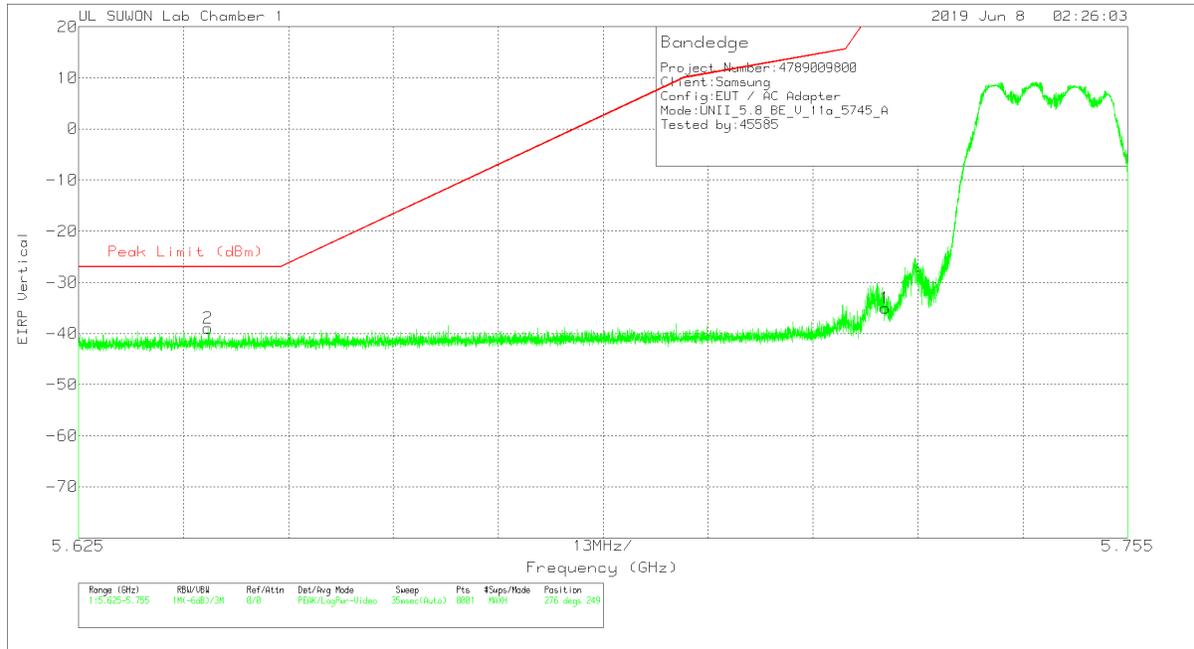


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_001687 17	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-62.27	Pk	34.8	-21.1	11.8	0	-36.77	26.97	-63.74	246	204	H
2	5.6445	-64.43	Pk	34.7	-21.1	11.8	0	-39.03	-27	-12.03	246	204	H

Pk - Peak detector

VERTICAL PEAK PLOT



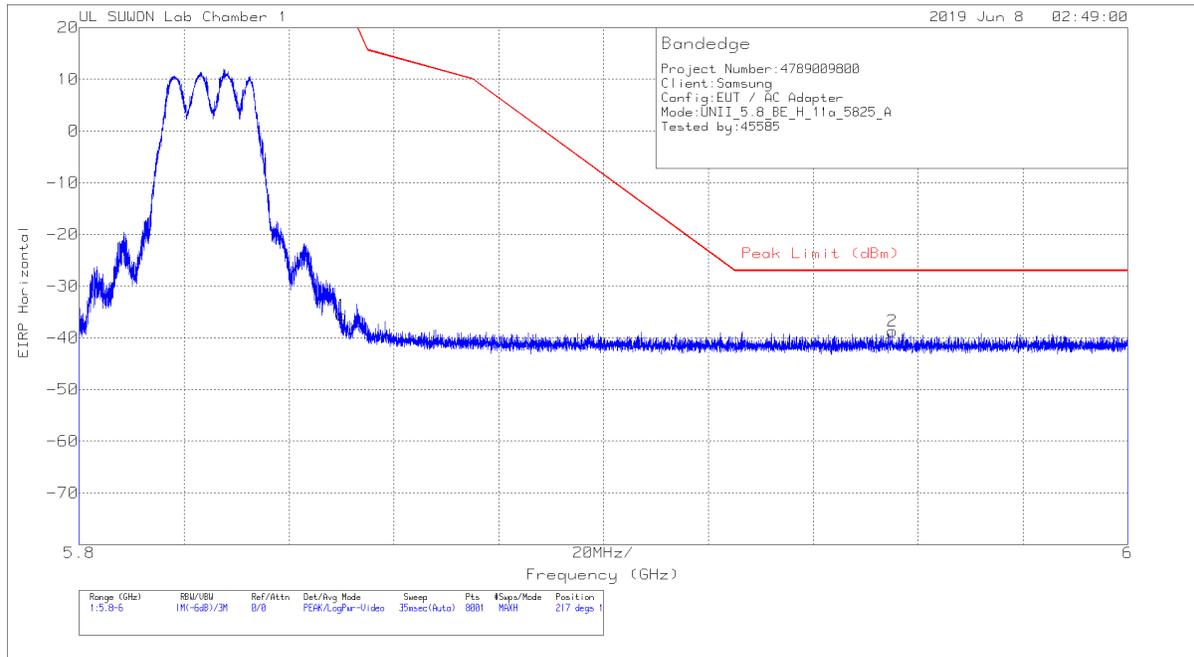
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_001687 17	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-60.55	Pk	34.8	-21.1	11.8	0	-35.05	26.97	-62.02	276	249	V
2	5.64107	-64.29	Pk	34.7	-21.1	11.8	0	-38.89	-27	-11.89	276	249	V

Pk - Peak detector

### BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK PLOT

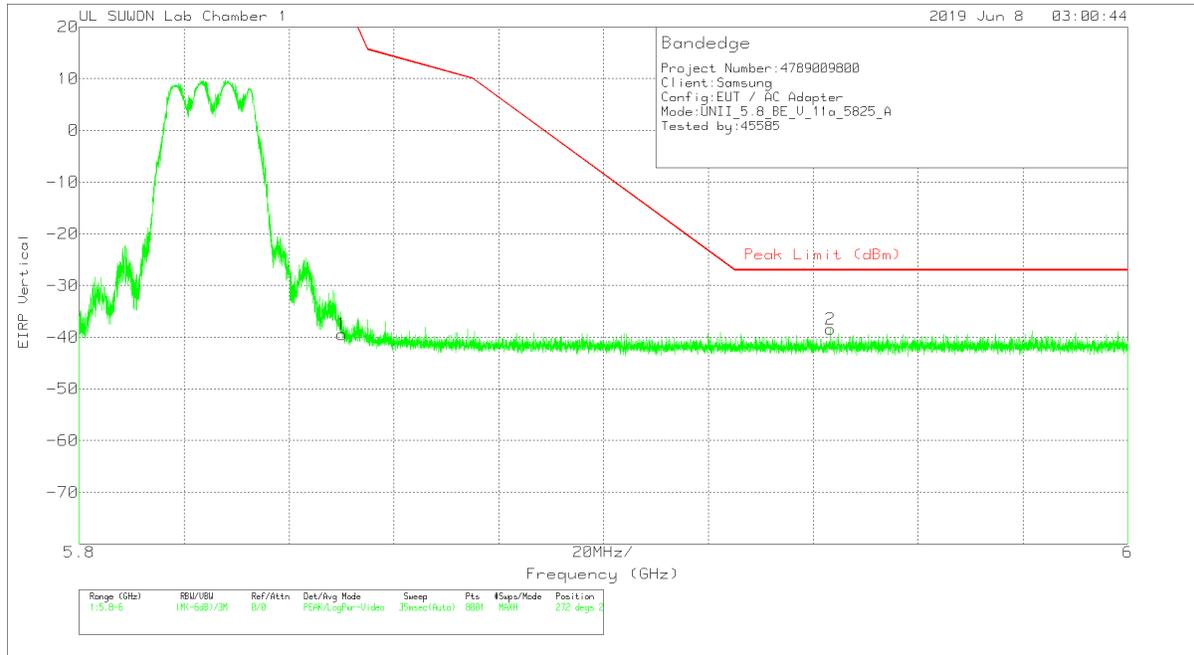


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_001687 17	10dB(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-61.44	Pk	35	-21	11.8	0	-35.64	26.94	-62.58	217	199	H
2	5.9551	-64.82	Pk	35.1	-20.8	11.8	0	-38.72	-27	-11.72	217	199	H

#### Pk - Peak detector

**VERTICAL PEAK PLOT**

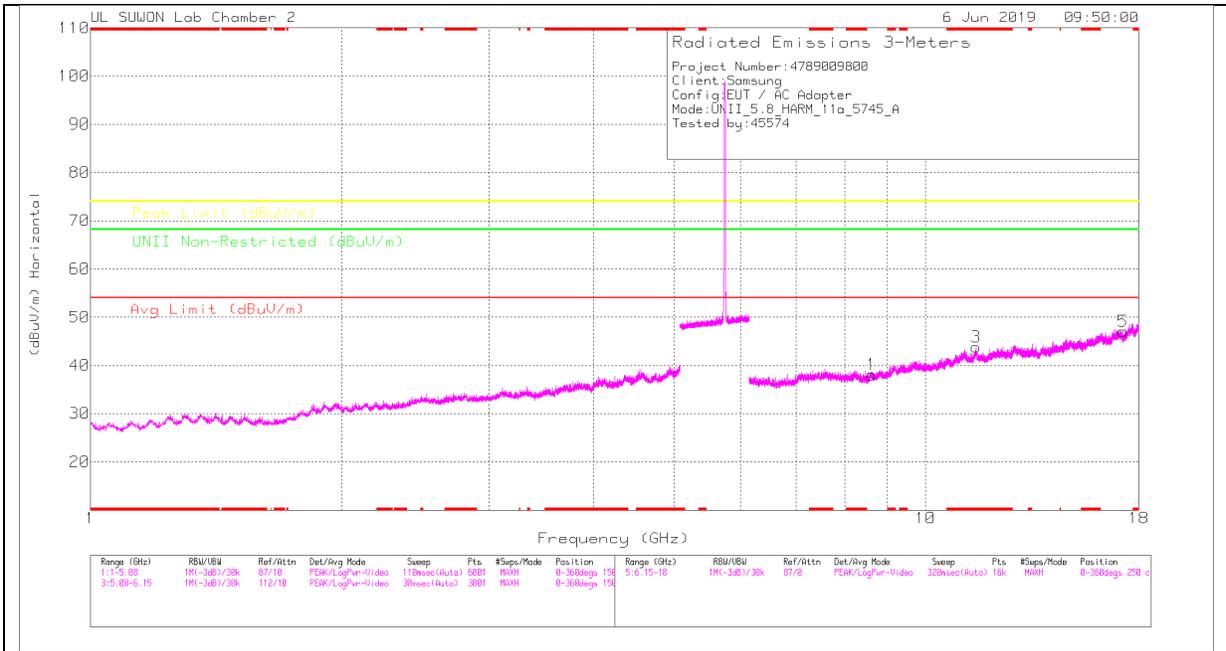


**Trace Markers**

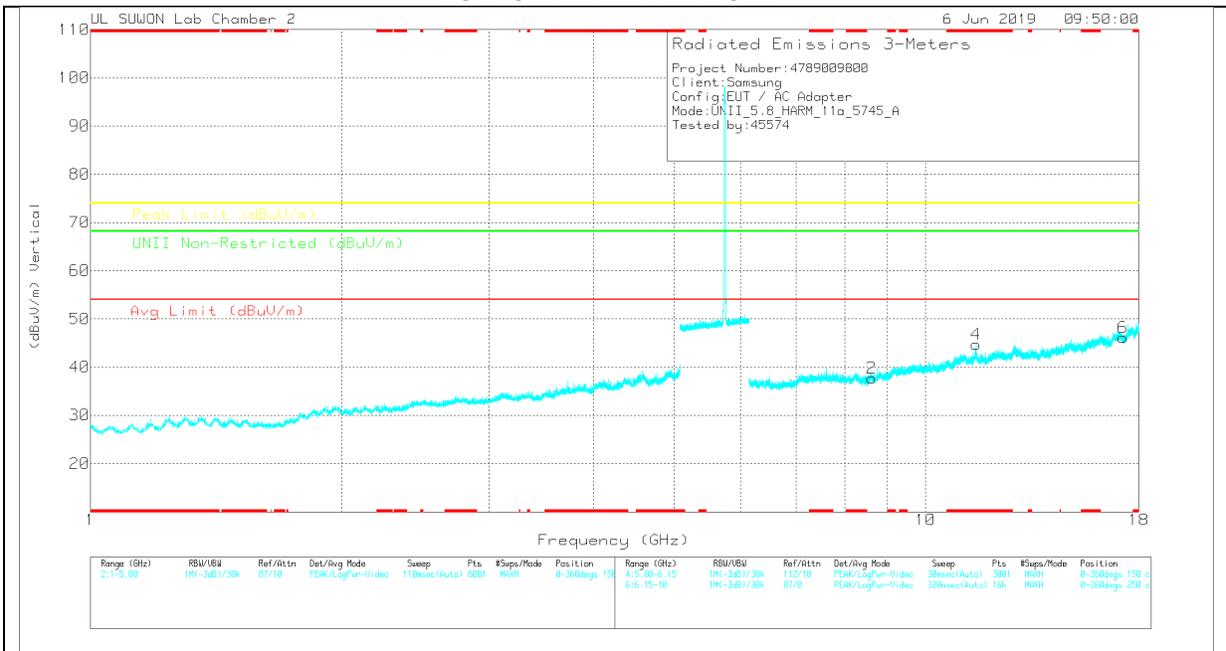
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_001687 17	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-65.25	Pk	35	-21	11.8	0	-39.45	26.94	-66.39	272	275	V
2	5.94328	-64.54	Pk	35.1	-20.8	11.8	0	-38.44	-27	-11.44	272	275	V

Pk - Peak detector

**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)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	8.617	23.97	PK	36.1	-22	0	38.07	-	-	-	-	68.2	-30.13	0-360	250	H
3	* 11.495	25.44	PK	38.3	-19.9	0	43.84	-	-	74	-30.16	-	-	0-360	250	H
5	17.235	24.48	PK	41.3	-18.7	0	47.08	-	-	-	-	68.2	-21.12	0-360	150	H
2	8.617	23.62	PK	36.1	-22	0	37.72	-	-	-	-	68.2	-30.48	0-360	250	V
4	* 11.49	26.37	PK	38.3	-19.9	0	44.77	-	-	74	-29.23	-	-	0-360	150	V
6	17.236	23.57	PK	41.3	-18.7	0	46.17	-	-	-	-	68.2	-22.03	0-360	150	V

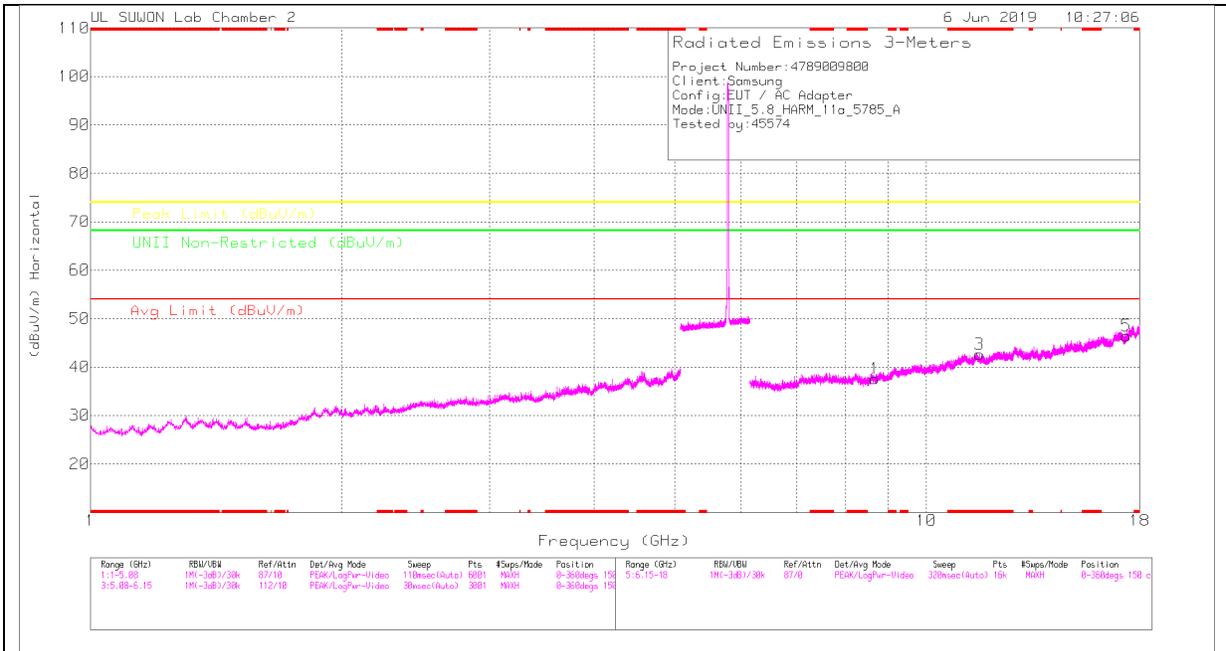
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

**Radiated Emissions**

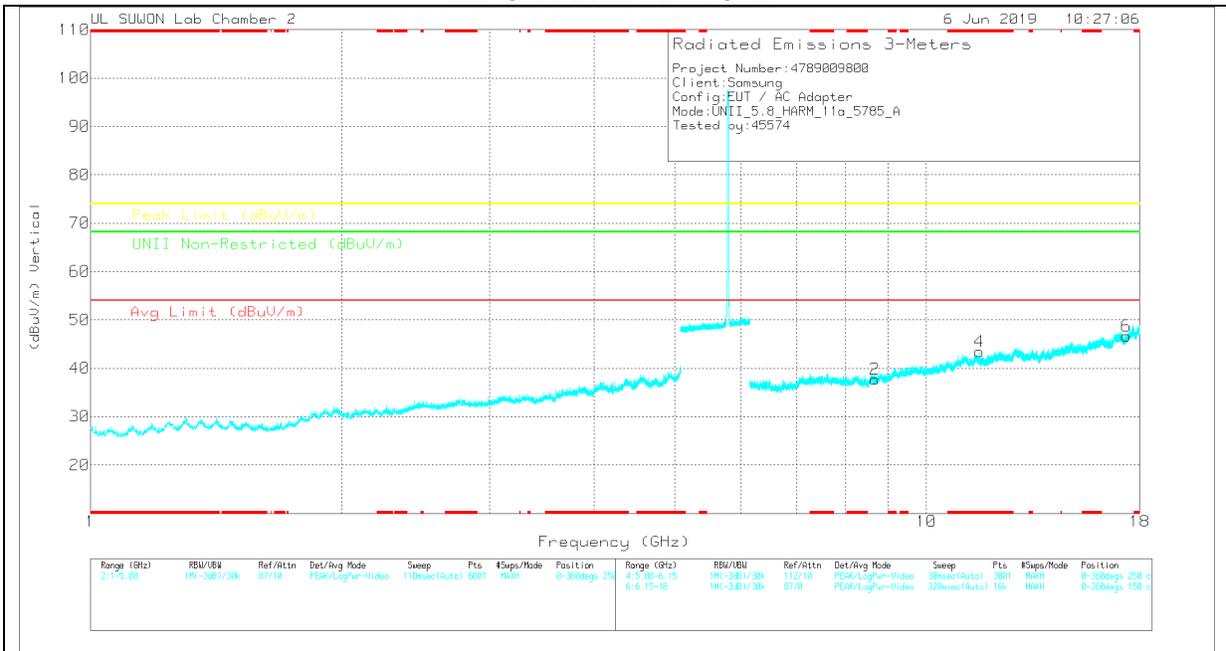
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 11.5	36.02	PK-U	38.3	-19.9	0	54.42	-	-	74	-19.58	-	-	166	240	H
* 11.49	23.67	ADR	38.3	-19.9	0	42.07	54	-11.93	-	-	-	-	166	240	H
* 11.498	36.22	PK-U	38.3	-19.9	0	54.62	-	-	74	-19.38	-	-	176	156	V
* 11.49	24.23	ADR	38.3	-19.9	0	42.63	54	-11.37	-	-	-	-	176	156	V

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

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

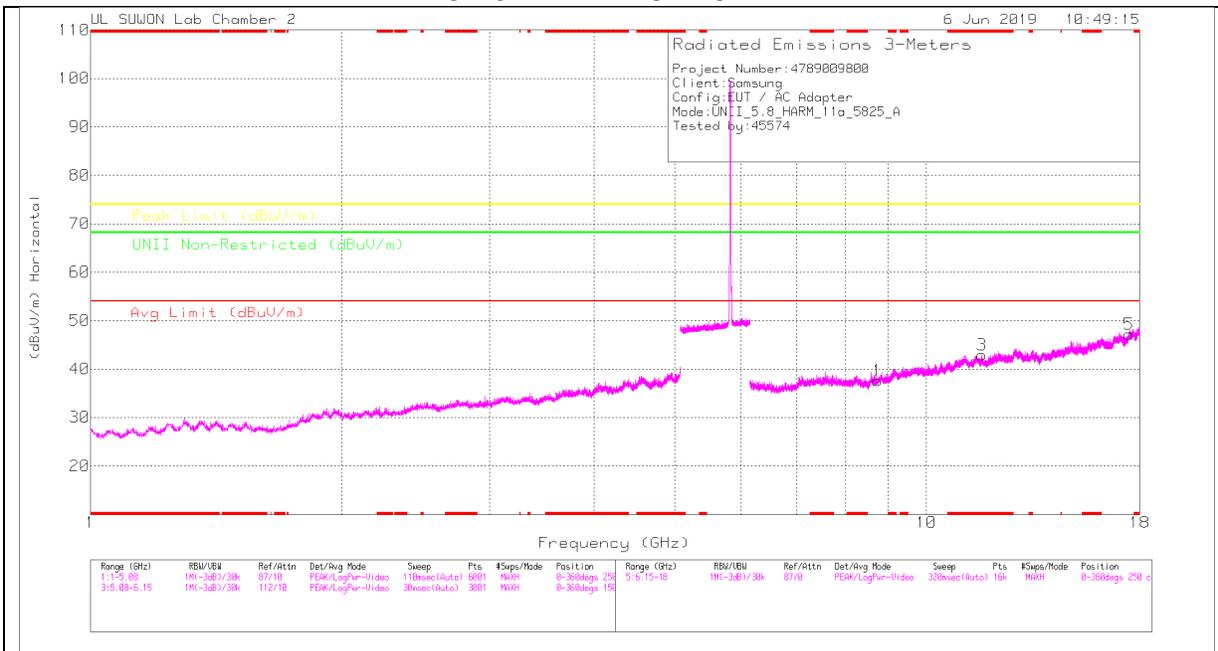
Trace Markers

Marker	Frequency (GHz)	Meas 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)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	8.677	24.27	PK	36.2	-22.9	0	37.57	-	-	-	-	68.2	-30.63	0-360	150	H
3	* 11.567	24.23	PK	38.4	-20	0	42.63	-	-	74	-31.37	-	-	0-360	250	H
5	17.354	23.97	PK	41.3	-18.8	0	46.47	-	-	-	-	68.2	-21.73	0-360	250	H
2	8.676	24.44	PK	36.2	-22.9	0	37.74	-	-	-	-	68.2	-30.46	0-360	150	V
4	* 11.574	24.98	PK	38.4	-20	0	43.38	-	-	74	-30.62	-	-	0-360	150	V
6	17.354	24.2	PK	41.3	-18.8	0	46.7	-	-	-	-	68.2	-21.5	0-360	250	V

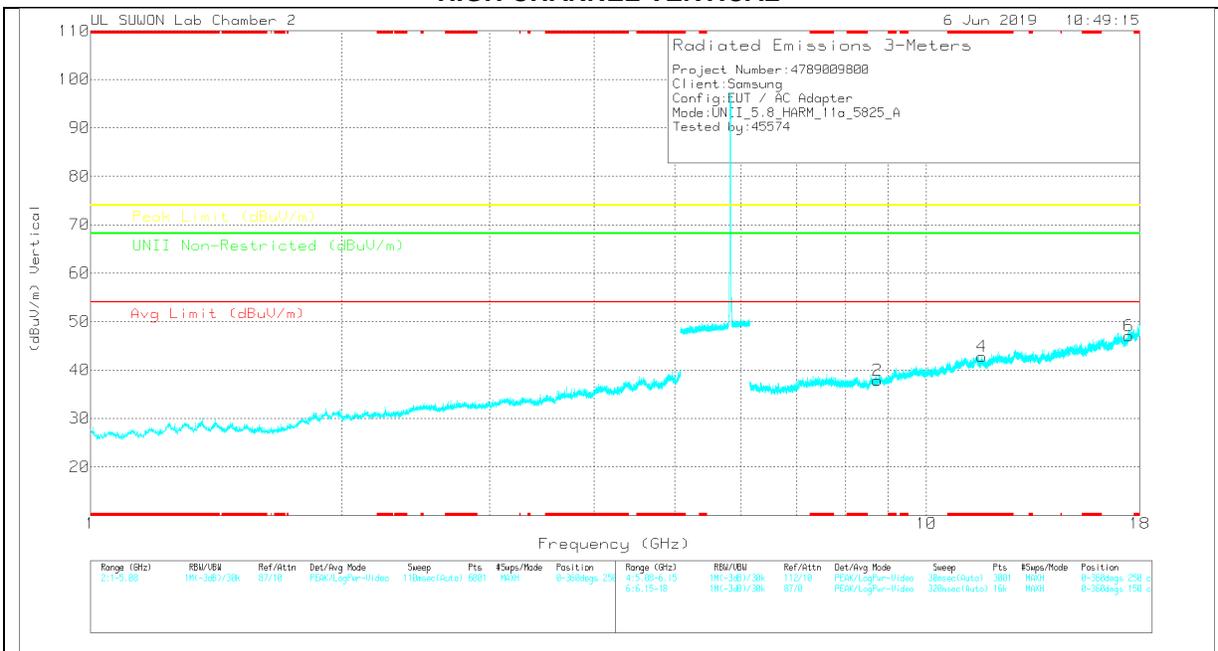
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 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

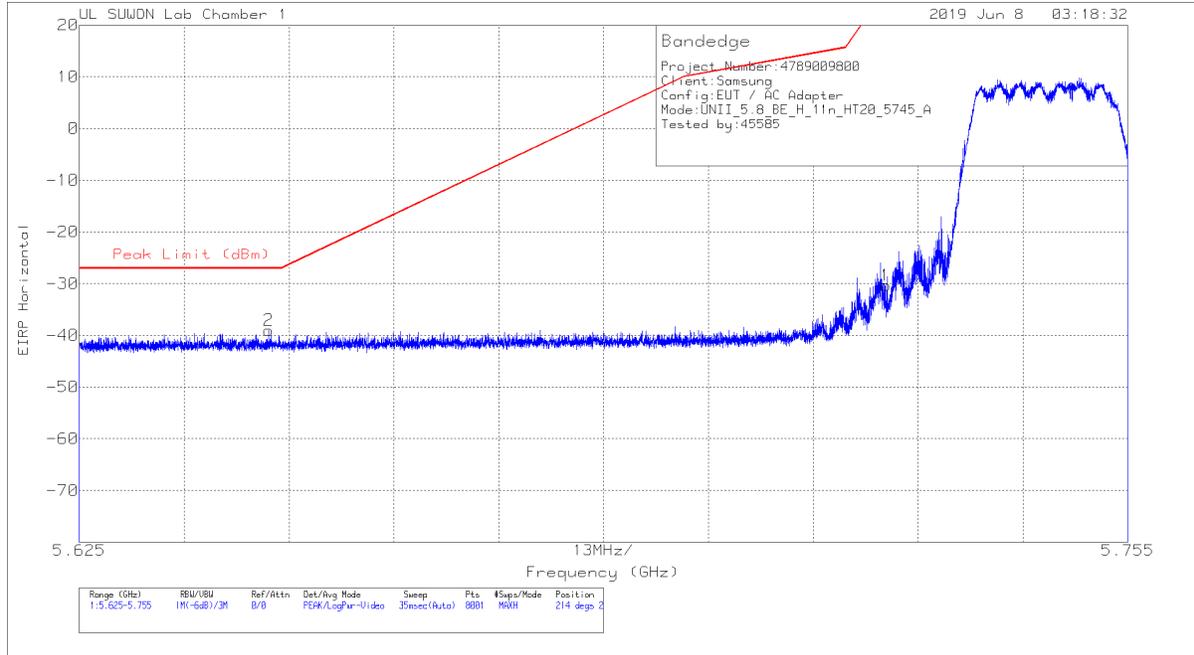
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0018724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	8.738	24.7	PK	36.3	-23.4	0	37.5	-	-	-	-	68.2	-30.6	0-360	150	H
3	* 11.646	24.44	PK	38.4	-19.9	0	42.94	-	-	74	-31.06	-	-	0-360	250	H
5	17.476	23.93	PK	41.4	-18.2	0	47.13	-	-	-	-	68.2	-21.07	0-360	150	H
2	8.738	25.11	PK	36.3	-23.5	0	37.91	-	-	-	-	68.2	-30.29	0-360	150	V
4	* 11.649	24.43	PK	38.4	-20	0	42.83	-	-	74	-31.17	-	-	0-360	150	V
6	17.473	23.84	PK	41.4	-18.2	0	47.04	-	-	-	-	68.2	-21.16	0-360	250	V

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

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 11.4.2.TX ABOVE 1GHz 802.11n HT20 2Tx CDD MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK PLOT

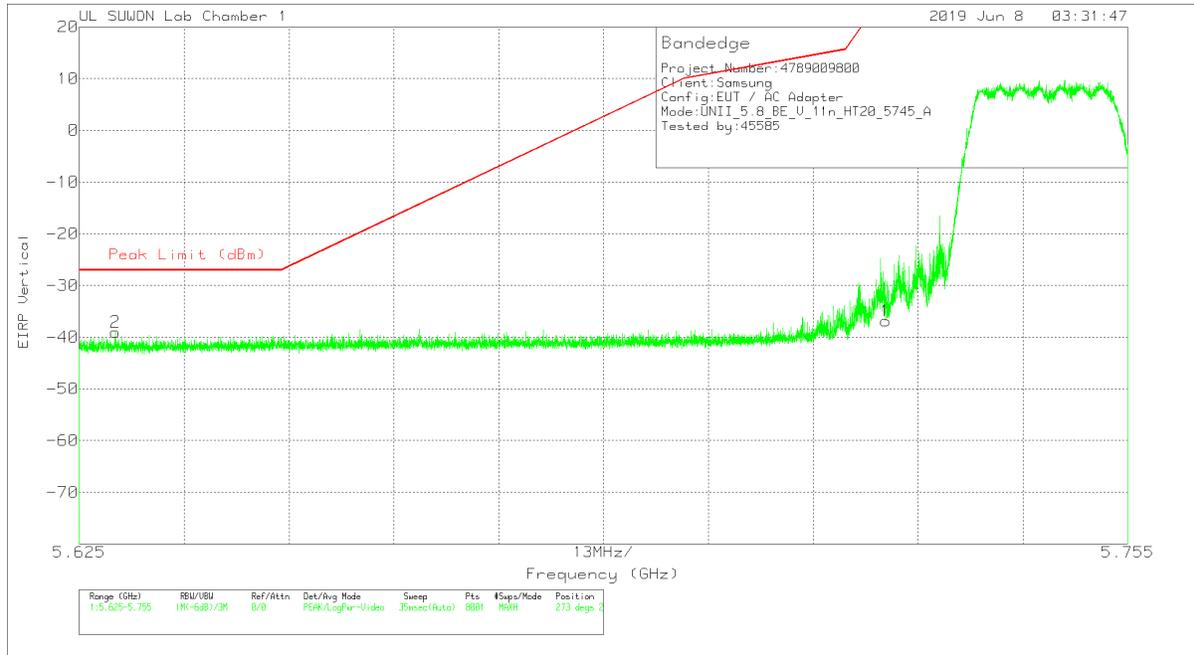


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_001687 17	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-55.87	Pk	34.8	-21.1	11.8	0	-30.37	26.97	-57.34	214	236	H
2	5.64847	-64.41	Pk	34.7	-21.1	11.8	0	-39.01	-27	-12.01	214	236	H

Pk - Peak detector

VERTICAL PEAK PLOT



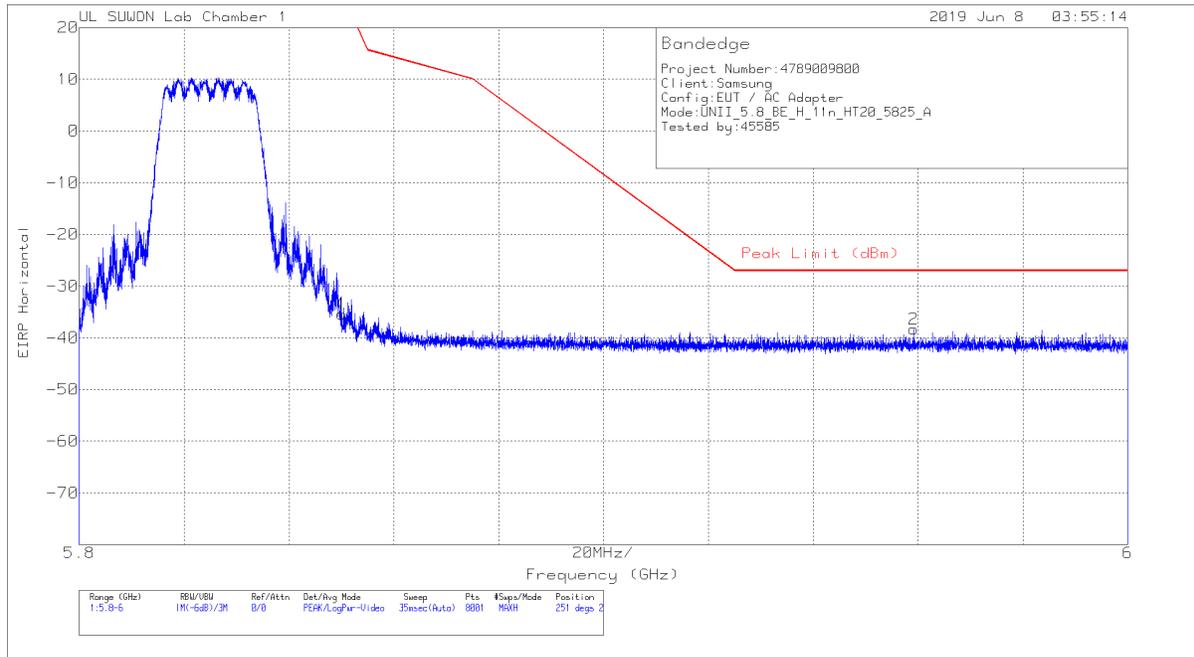
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_001687 17	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-62.39	Pk		-21.1	11.8	0	-36.89	26.97	-63.86	273	269	V
2	5.62947	-64.41	Pk		-21.1	11.8	0	-39.01	-27	-12.01	273	269	V

Pk - Peak detector

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE DATA

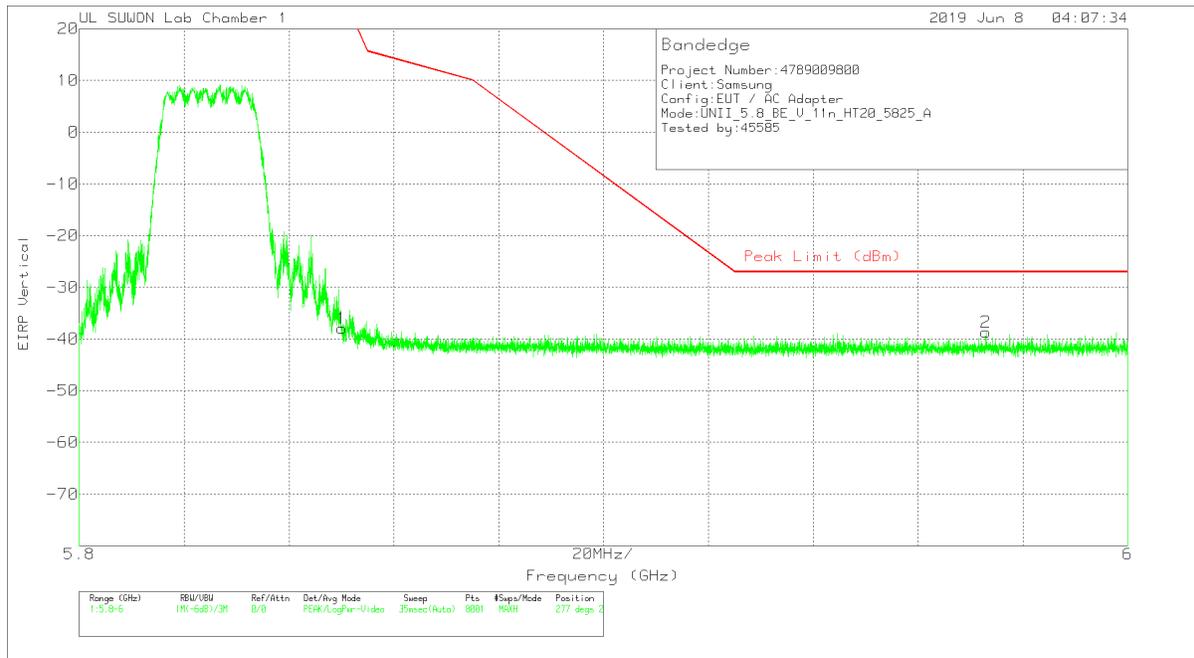


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_001687 17	10dB(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-61.21	Pk	35	-21	11.8	0	-35.41	26.94	-62.35	251	201	H
2	5.95918	-64.52	Pk	35.1	-20.7	11.8	0	-38.32	-27	-11.32	251	201	H

Pk - Peak detector

VERTICAL PEAK PLOT

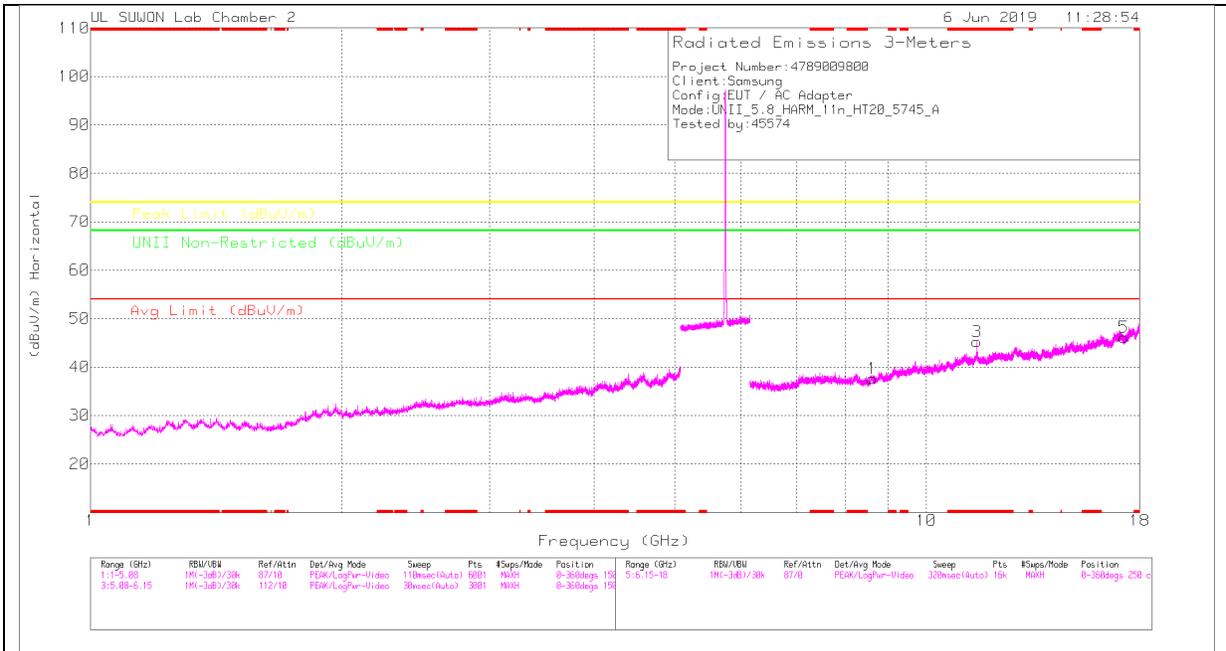


Trace Markers

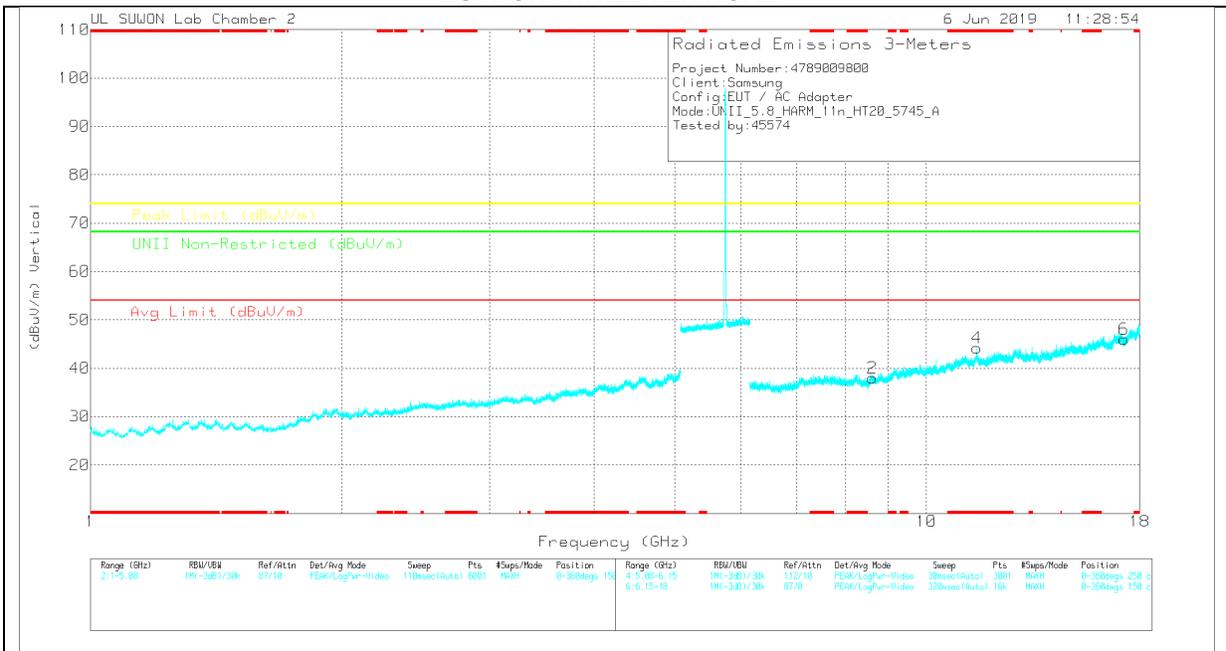
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_001687 17	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-63.76	Pk	35	-21	11.8	0	-37.96	26.94	-64.9	277	262	V
2	5.97293	-64.9	Pk	35.1	-20.7	11.8	0	-38.7	-27	-11.7	277	262	V

Pk - Peak detector

**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)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	8.619	23.63	PK	36.1	-22.1	0	37.63	-	-	-	-	68.2	-30.57	0-360	150	H
3	* 11.489	26.98	PK	38.3	-20	0	45.28	-	-	74	-28.72	-	-	0-360	250	H
5	17.24	23.51	PK	41.3	-18.7	0	46.11	-	-	-	-	68.2	-22.09	0-360	250	H
2	8.617	23.86	PK	36.1	-22	0	37.96	-	-	-	-	68.2	-30.24	0-360	250	V
4	* 11.491	25.8	PK	38.3	-19.9	0	44.2	-	-	74	-29.8	-	-	0-360	150	V
6	17.239	23.46	PK	41.3	-18.8	0	45.96	-	-	-	-	68.2	-22.24	0-360	250	V

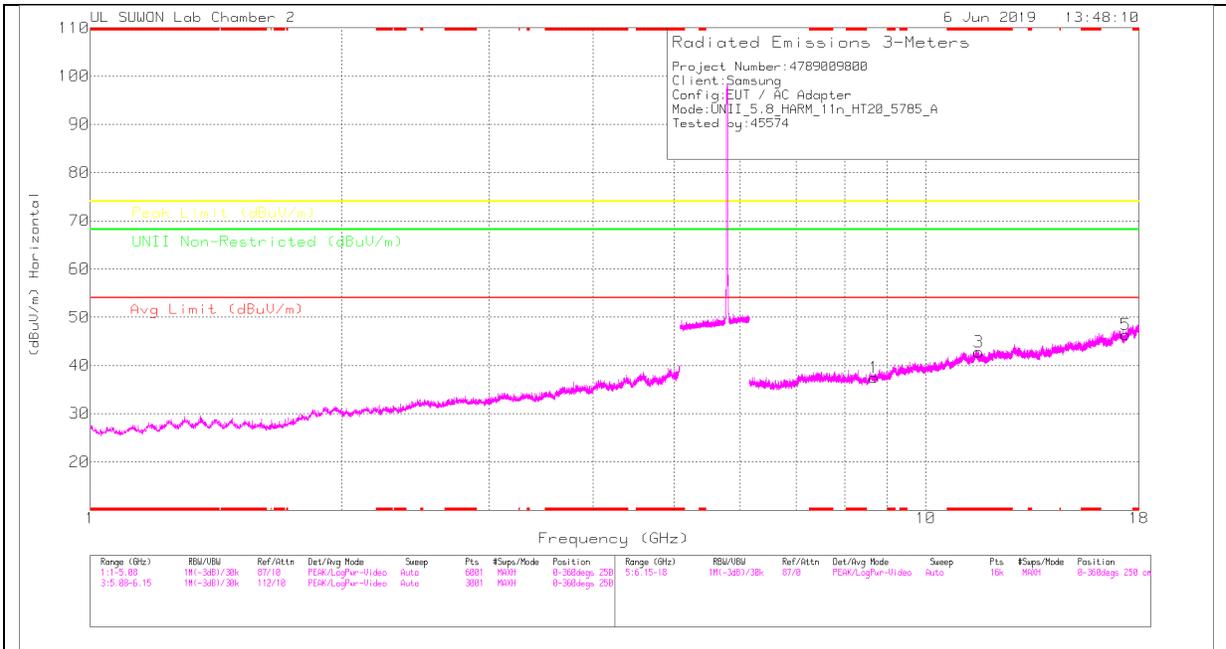
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

**Radiated Emissions**

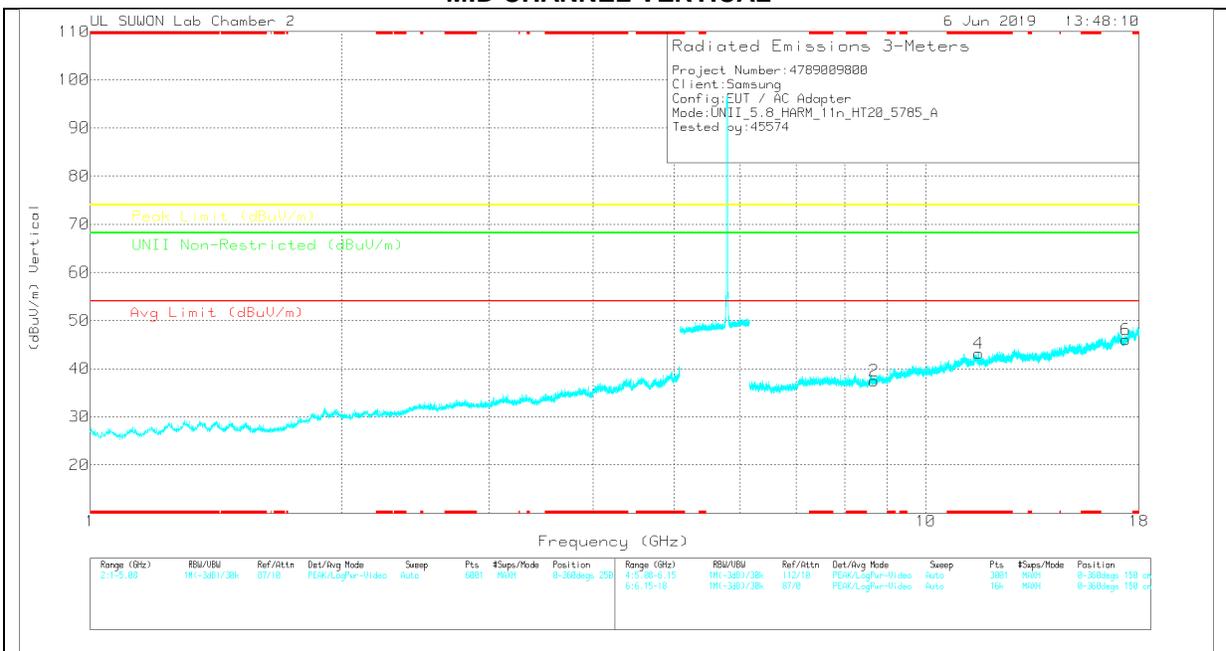
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 11.49	35.44	PK-U	38.3	-19.9	0	53.84	-	-	74	-20.16	-	-	177	246	H
* 11.488	23.48	ADR	38.3	-19.9	0	41.88	54	-12.12	-	-	-	-	177	246	H
* 11.49	36.41	PK-U	38.3	-19.9	0	54.81	-	-	74	-19.19	-	-	177	152	V
* 11.491	23.93	ADR	38.3	-20	0	42.23	54	-11.77	-	-	-	-	177	152	V

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

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

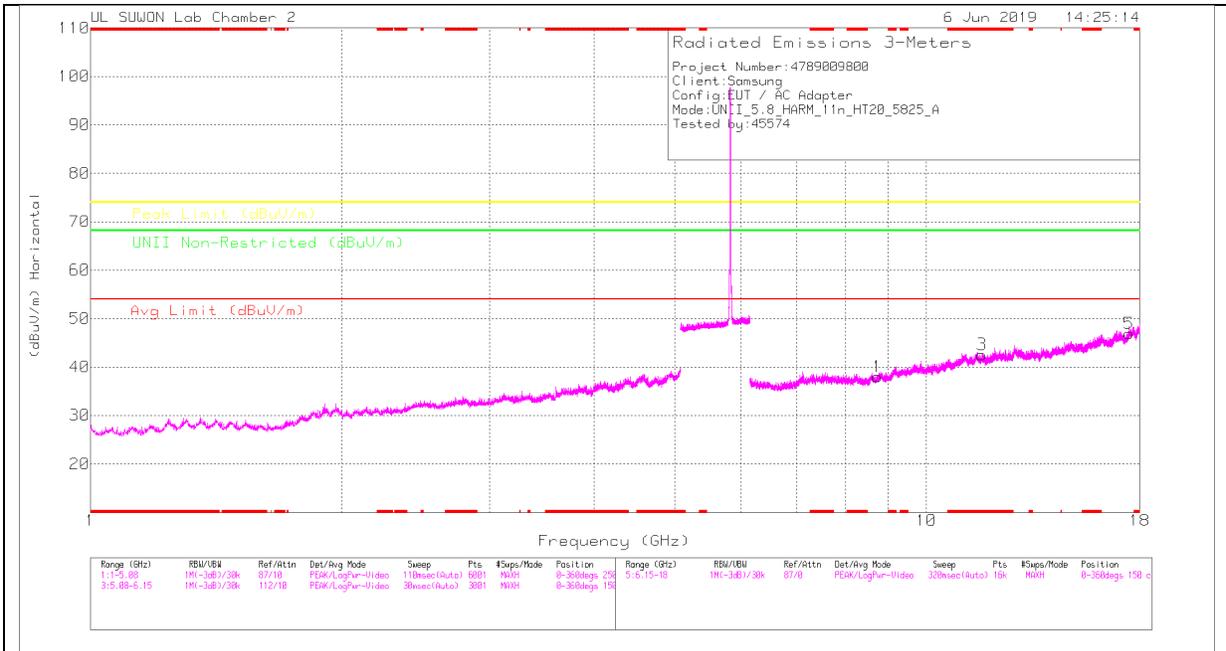
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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)	Azimuth (Degs)	Height (cm)	Polarity
1	8.67612	24.22	PK	36.2	-22.9	0	37.52	-	-	-	-	68.2	-30.68	0-360	250	H
3	* 11.56882	24.43	PK	38.4	-20	0	42.83	-	-	74	-31.17	-	-	0-360	250	H
5	17.3557	24.02	PK	41.3	-18.9	0	46.42	-	-	-	-	68.2	-21.78	0-360	150	H
2	8.67686	24.2	PK	36.2	-22.9	0	37.5	-	-	-	-	68.2	-30.7	0-360	250	V
4	* 11.57252	24.73	PK	38.4	-20	0	43.13	-	-	74	-30.67	-	-	0-360	150	V
6	17.35496	23.57	PK	41.3	-18.8	0	46.07	-	-	-	-	68.2	-22.13	0-360	150	V

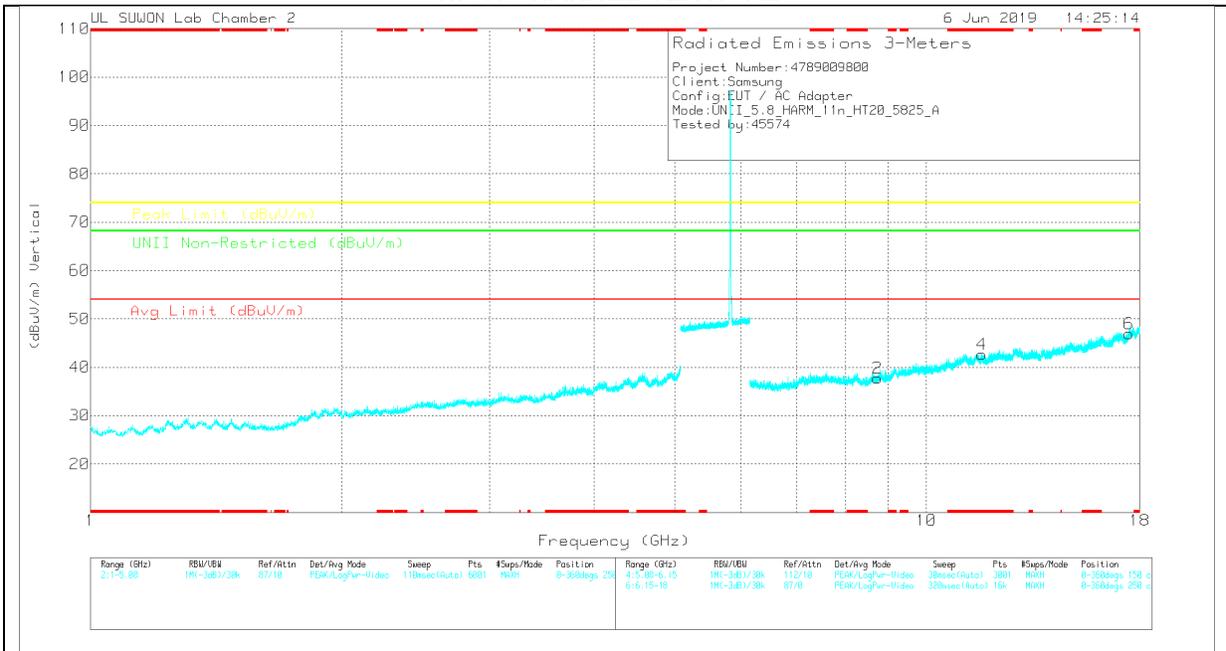
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### 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.