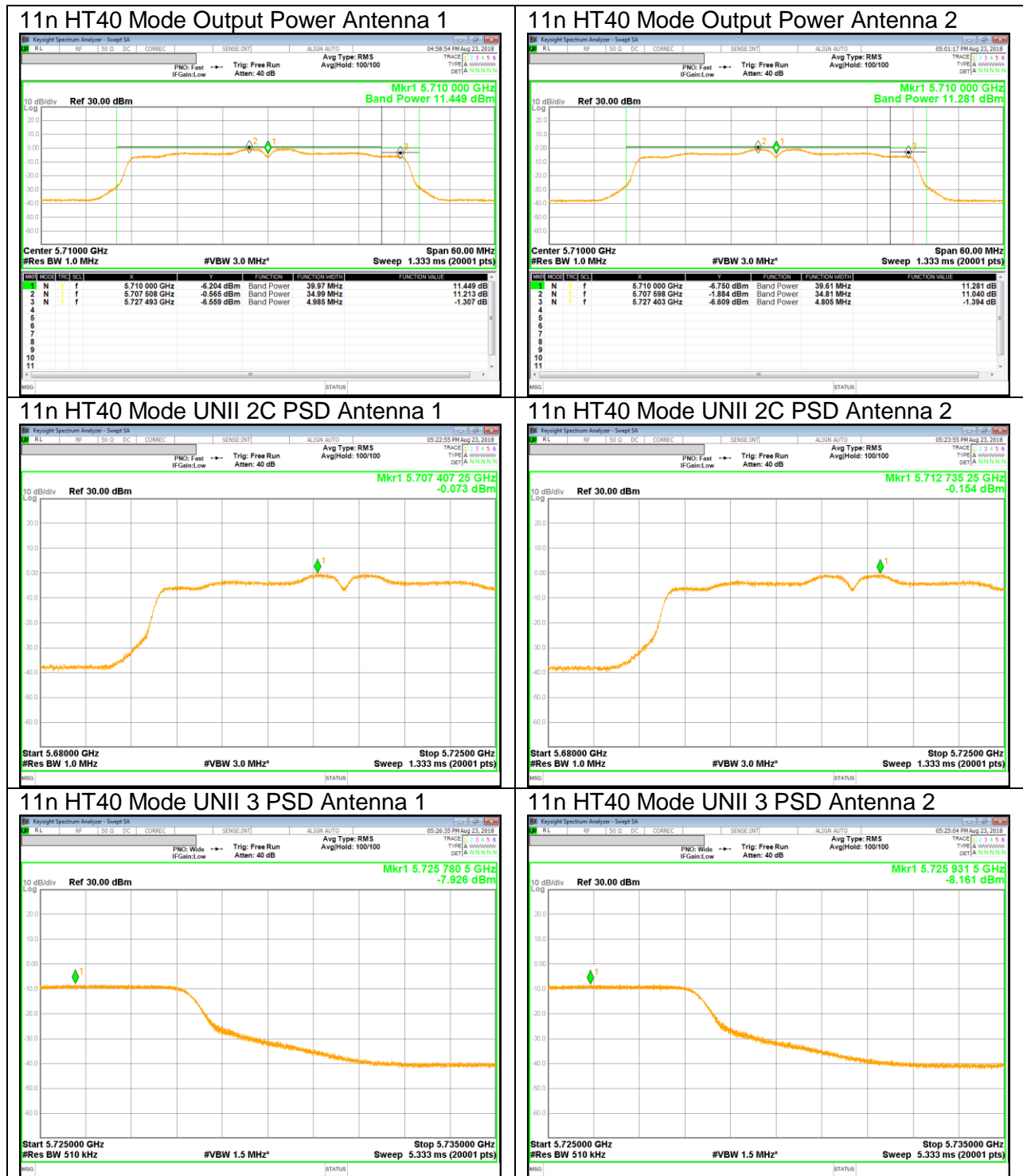
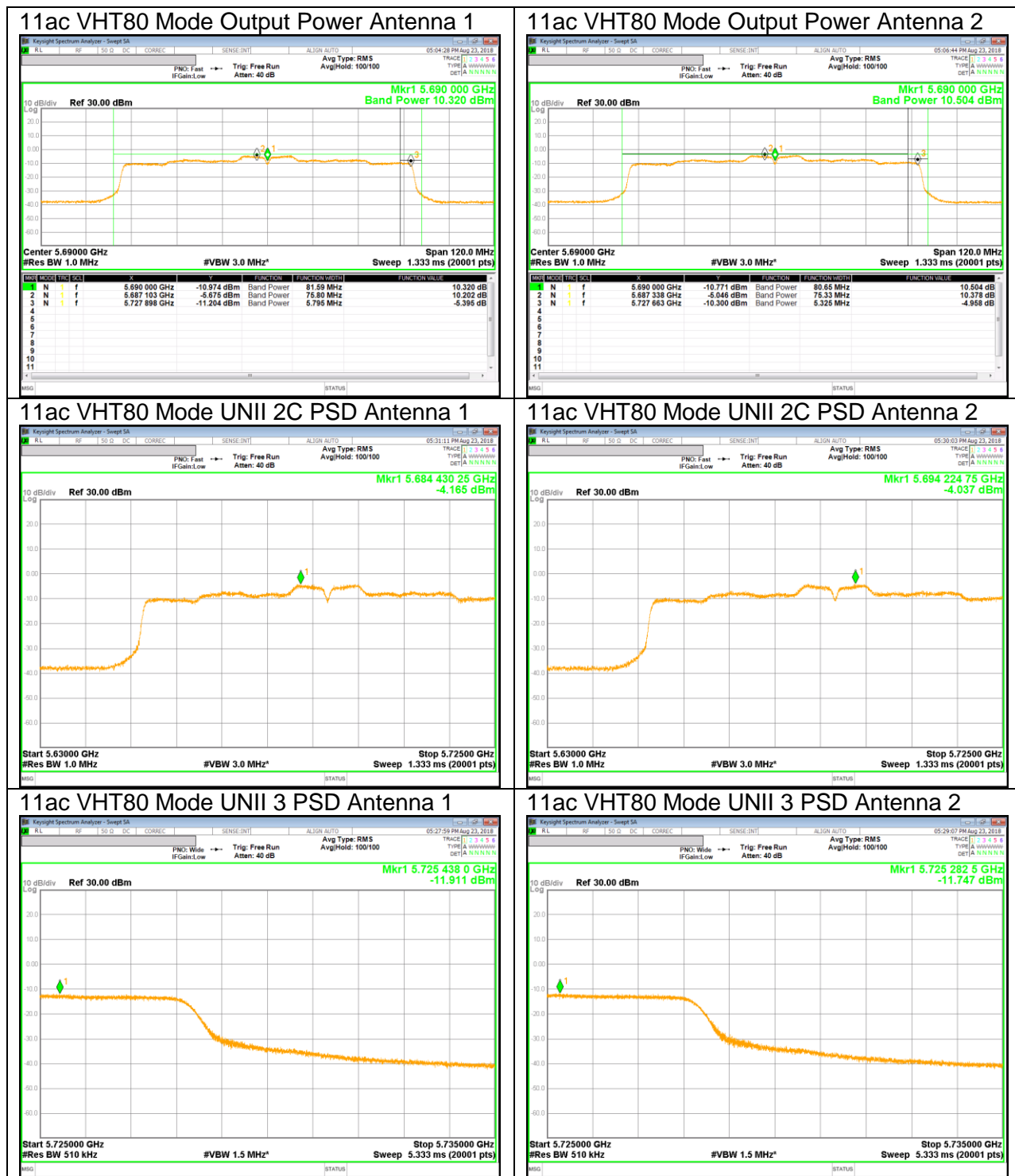


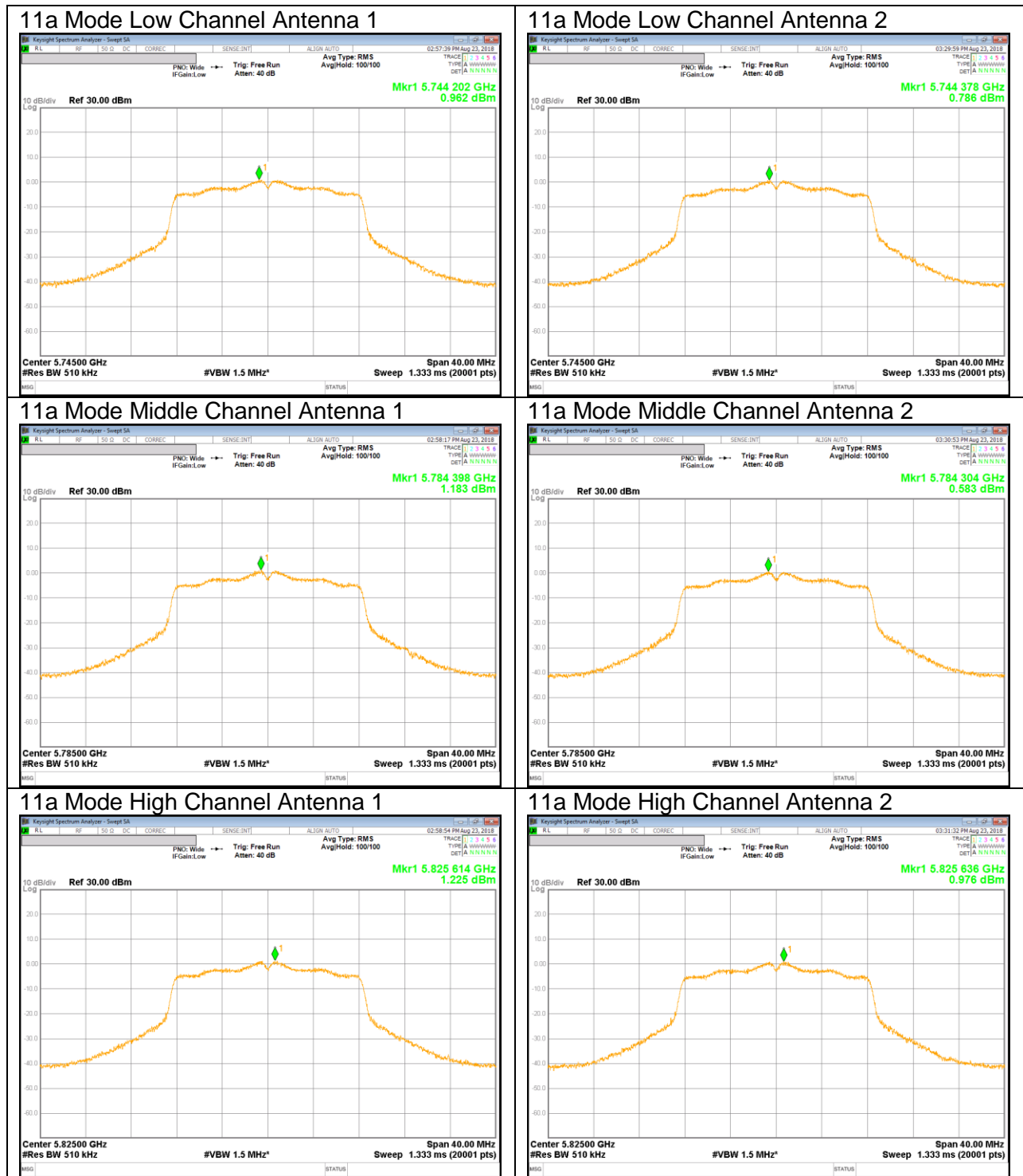
UNII Straddle Ch. IEEE 802.11n HT40 mode Ourput Power and PSD



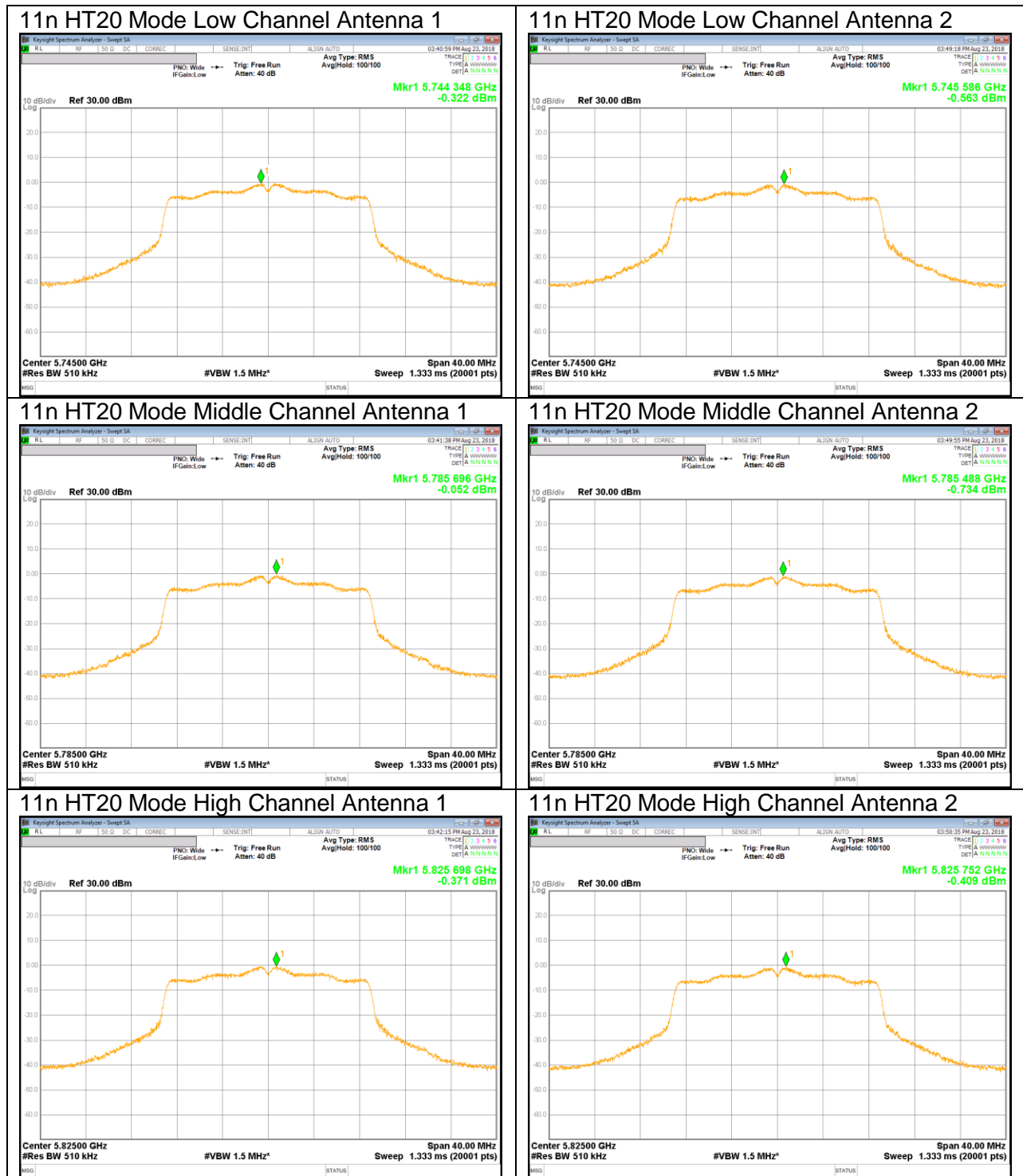
UNII Straddle Ch. IEEE 802.11ac VHT80 mode Ourput Power and PSD



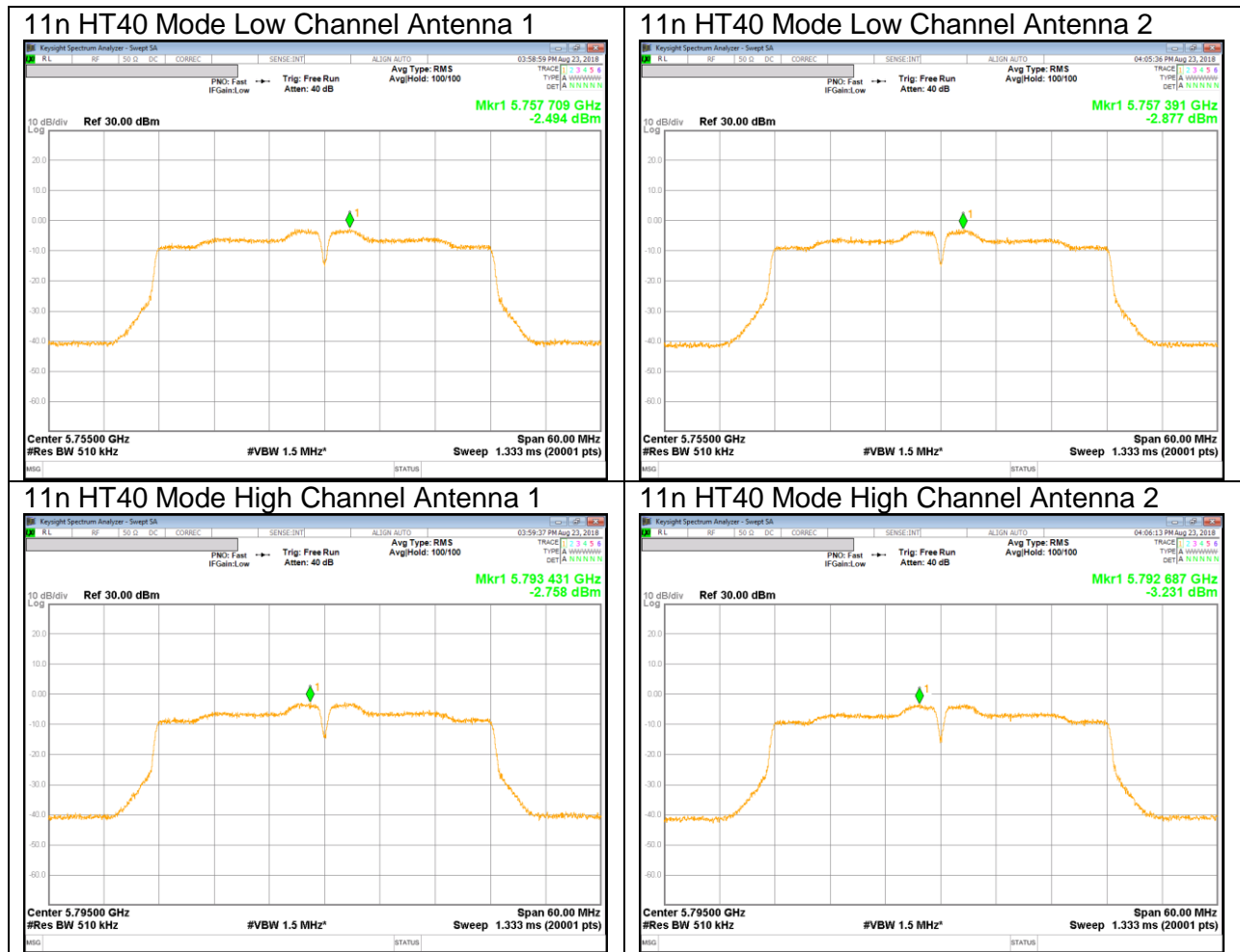
UNII 5.8 GHz IEEE 802.11a mode PSD



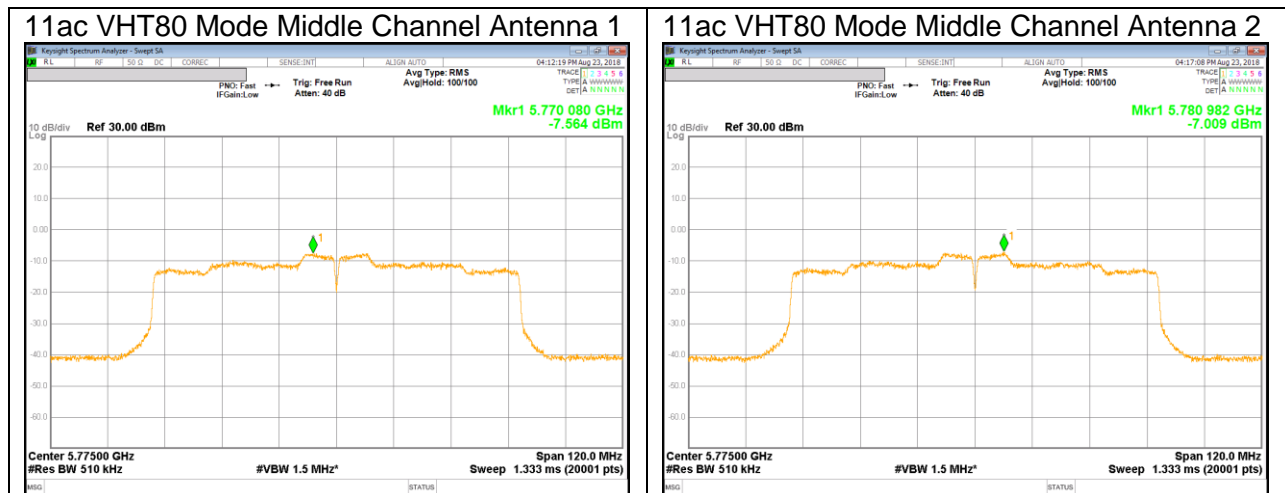
UNII 5.8 GHz IEEE 802.11n HT20 mode mode PSD



UNII 5.8 GHz IEEE 802.11n HT40 mode mode PSD



UNII 5.8 GHz IEEE 802.11ac VHT80 mode mode PSD



11. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209

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

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

FCC §15.407 (b)

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

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

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

Note

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

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

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

TEST PROCEDURE

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

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

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

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

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

The spectrum from 1GHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.
(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

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

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

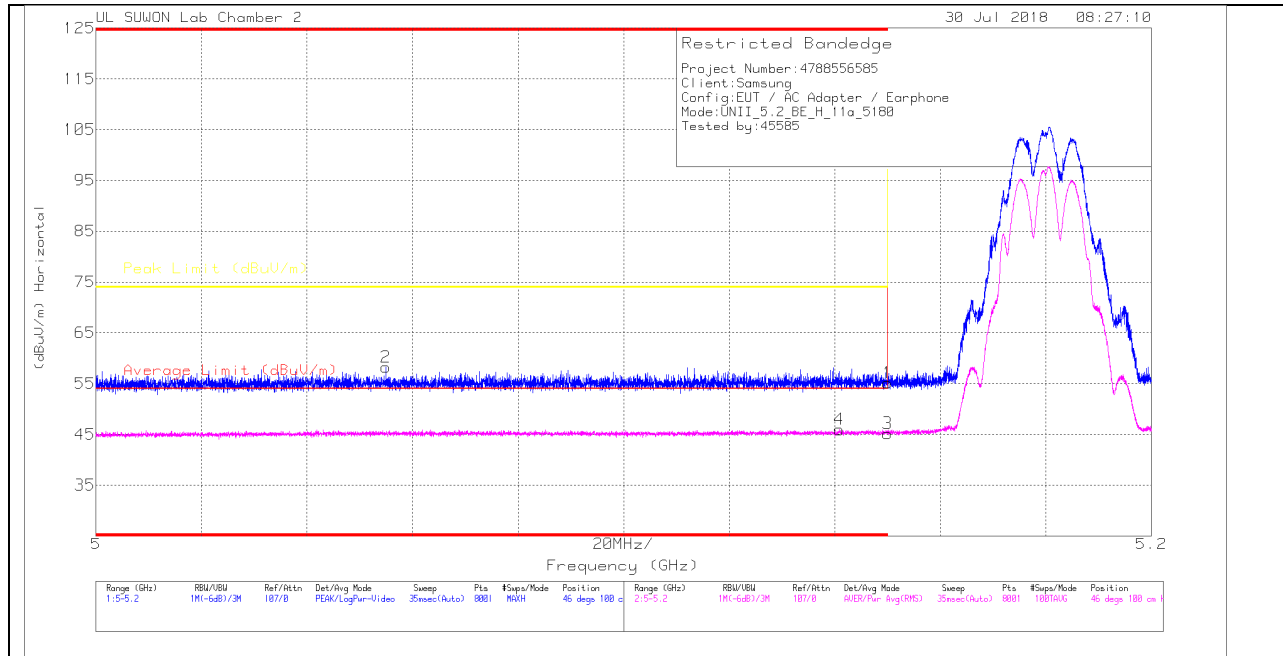
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field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

11.1. 5.2 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

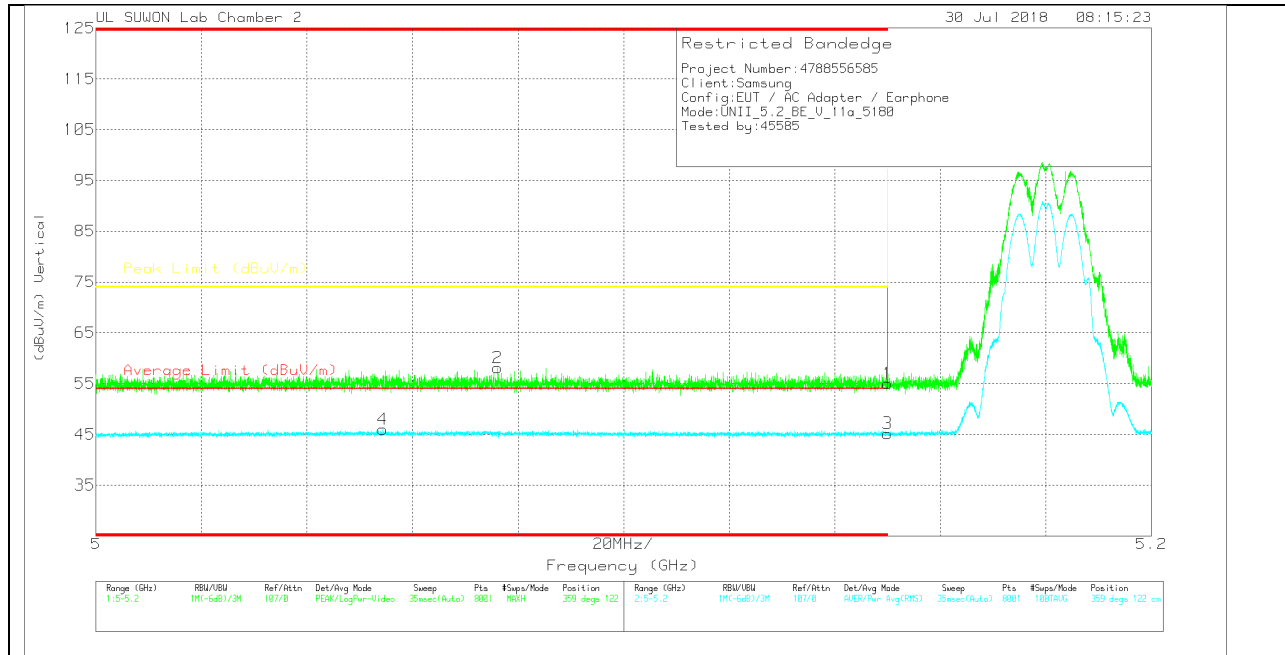
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	36.42	Pk	34	-15.3	0	55.12	-	-	74	-18.88	46	100	H
2	* 5.055	39.57	Pk	33.9	-15.2	0	58.27	-	-	74	-15.73	46	100	H
3	5.15	26.49	RMS	34	-15.3	0	45.19	54	-8.81	-	-	46	100	H
4	* 5.141	27.24	RMS	34	-15.3	0	45.94	54	-8.06	-	-	46	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	36.32	Pk	34	-15.3	0	55.02	-	-	74	-18.98	359	122	V
2	* 5.076	39.43	Pk	33.9	-15.2	0	58.13	-	-	74	-15.87	359	122	V
3	5.15	26.49	RMS	34	-15.3	0	45.19	54	-8.81	-	-	359	122	V
4	* 5.054	27.33	RMS	33.9	-15.2	0	46.03	54	-7.97	-	-	359	122	V

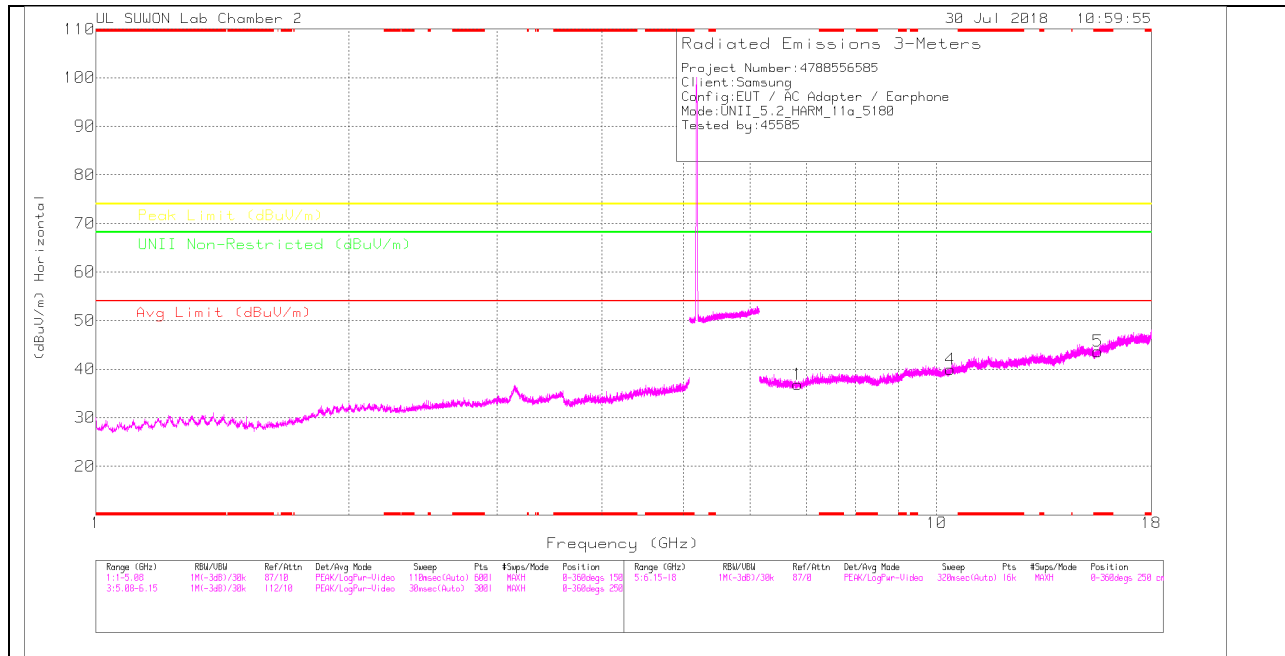
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

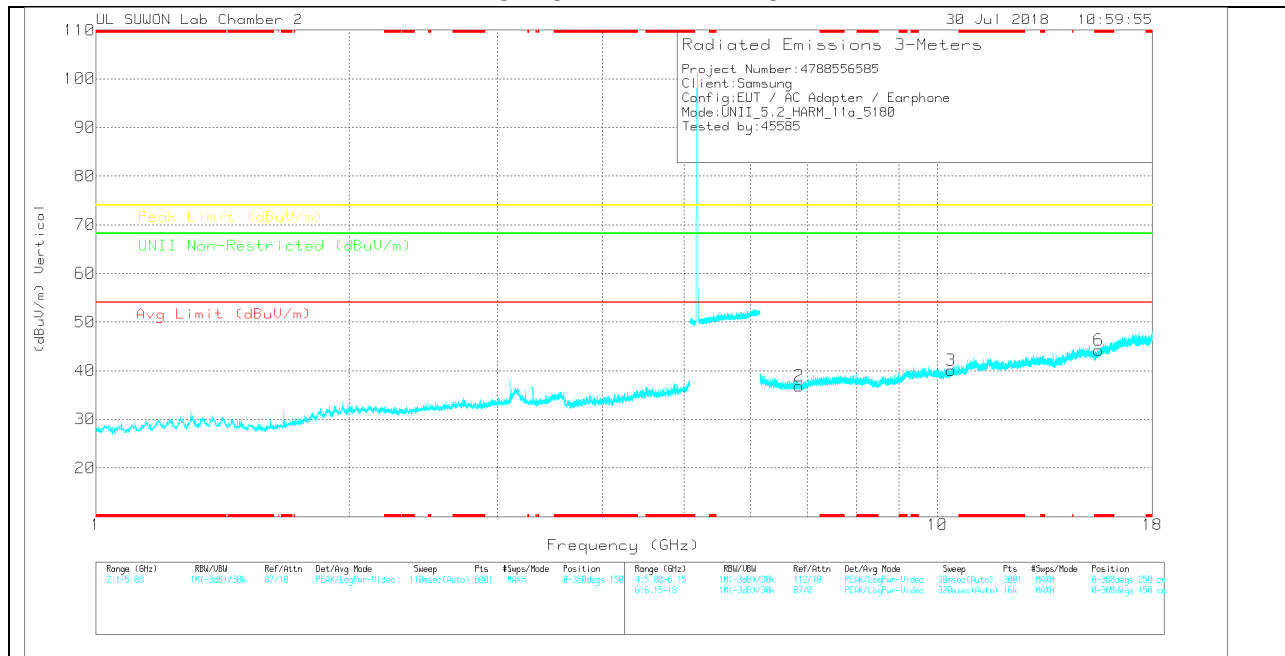
RMS - RMS detection

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

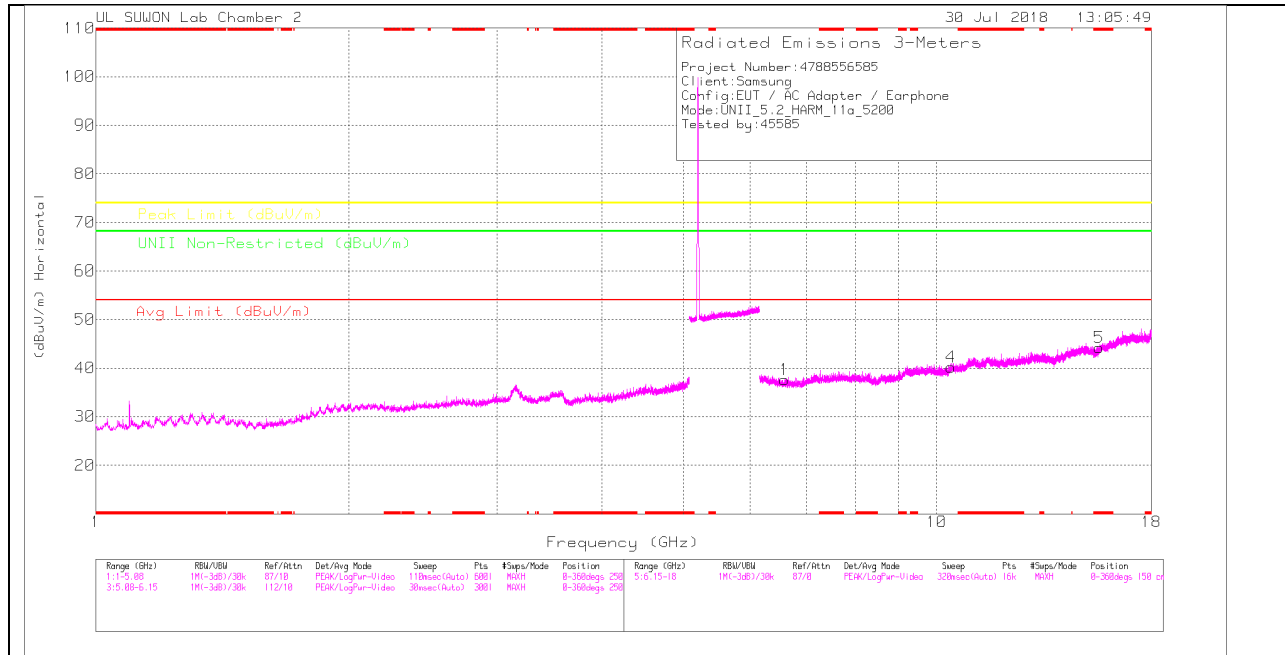
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117(001887_24)	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.837	23.39	PK	35.4	-21.9	0	36.89	-	-	-	-	68.2	-31.31	0-360	250	H
4	10.378	19	PK	37.5	-16.6	0	39.9	-	-	-	-	68.2	-28.3	0-360	150	H
5	* 15.541	18.23	PK	39.8	-14.4	0	43.63	-	-	74	-30.37	-	-	0-360	150	H
2	6.849	23.36	PK	35.4	-21.9	0	36.86	-	-	-	-	68.2	-31.34	0-360	250	V
3	10.378	19.17	PK	37.5	-16.6	0	40.07	-	-	-	-	68.2	-28.13	0-360	150	V
6	* 15.54	18.85	PK	39.8	-14.4	0	44.25	-	-	74	-29.75	-	-	0-360	150	V

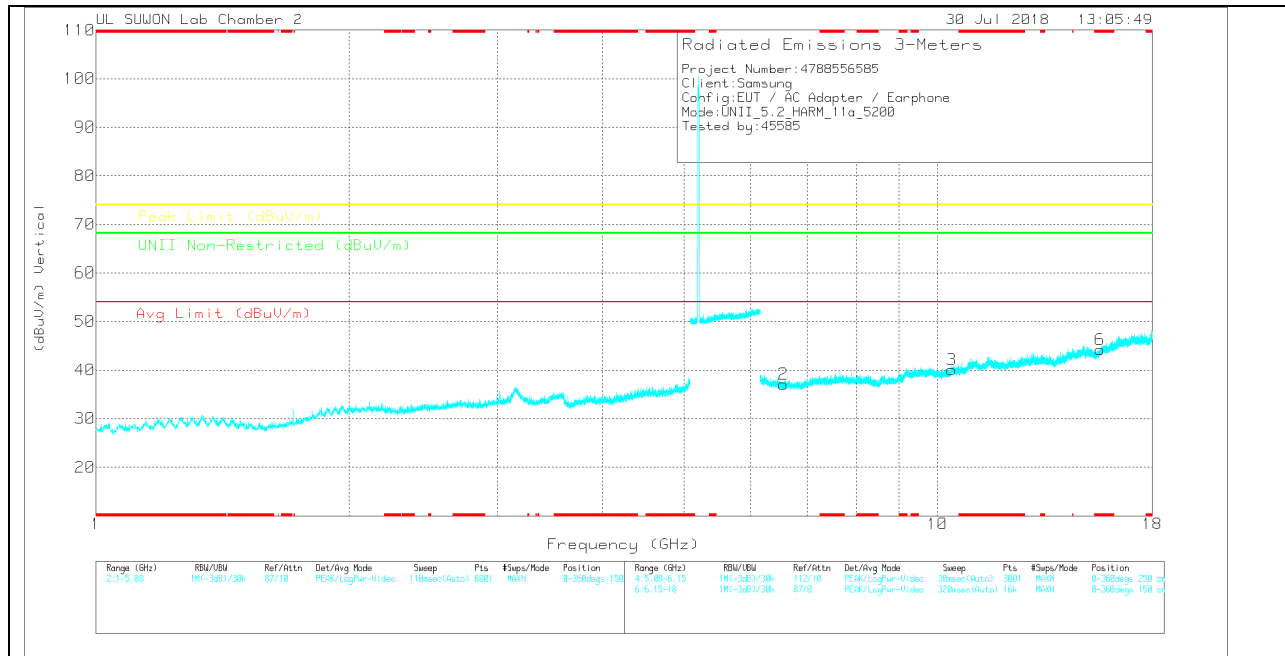
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

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

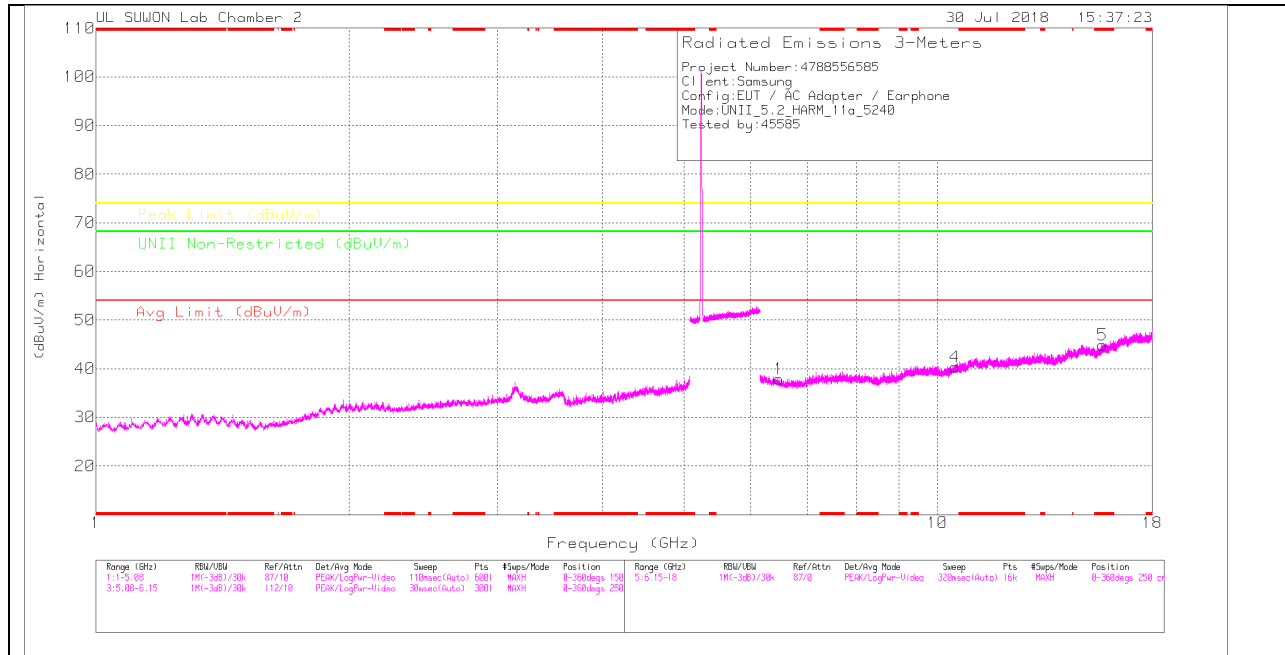
Trace Markers

Marker	Frequency (GHz)	Major Reading (dBuV)	Det	170531_3117(001887_24)	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.594	24.59	PK	35.1	-22.1	0	37.59	-	-	-	-	68.2	-30.61	0-360	150	H
4	10.399	19.11	PK	37.5	-16.4	0	40.21	-	-	-	-	68.2	-27.99	0-360	150	H
5	* 15.599	18.89	PK	39.8	-14.5	0	44.19	-	-	74	-29.81	-	-	0-360	150	H
2	6.562	24.42	PK	35.1	-22.4	0	37.12	-	-	-	-	68.2	-31.08	0-360	150	V
3	10.401	18.97	PK	37.5	-16.4	0	40.07	-	-	-	-	68.2	-28.13	0-360	250	V
6	* 15.604	18.91	PK	39.8	-14.5	0	44.21	-	-	74	-29.79	-	-	0-360	150	V

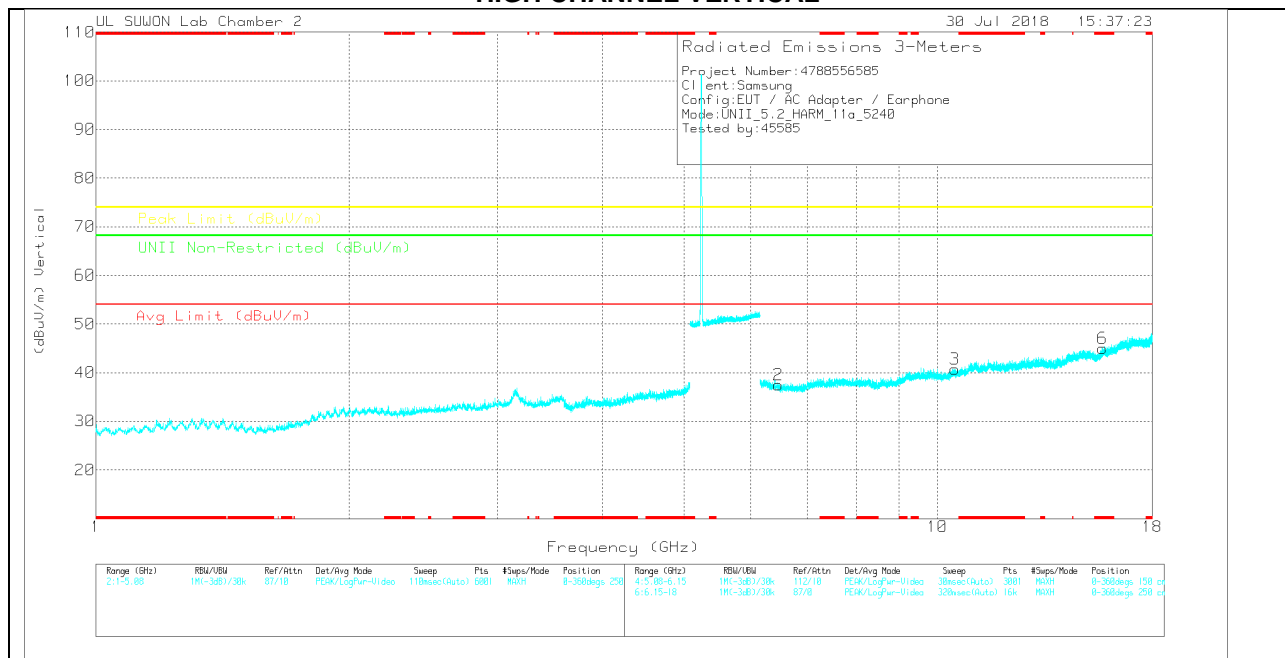
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

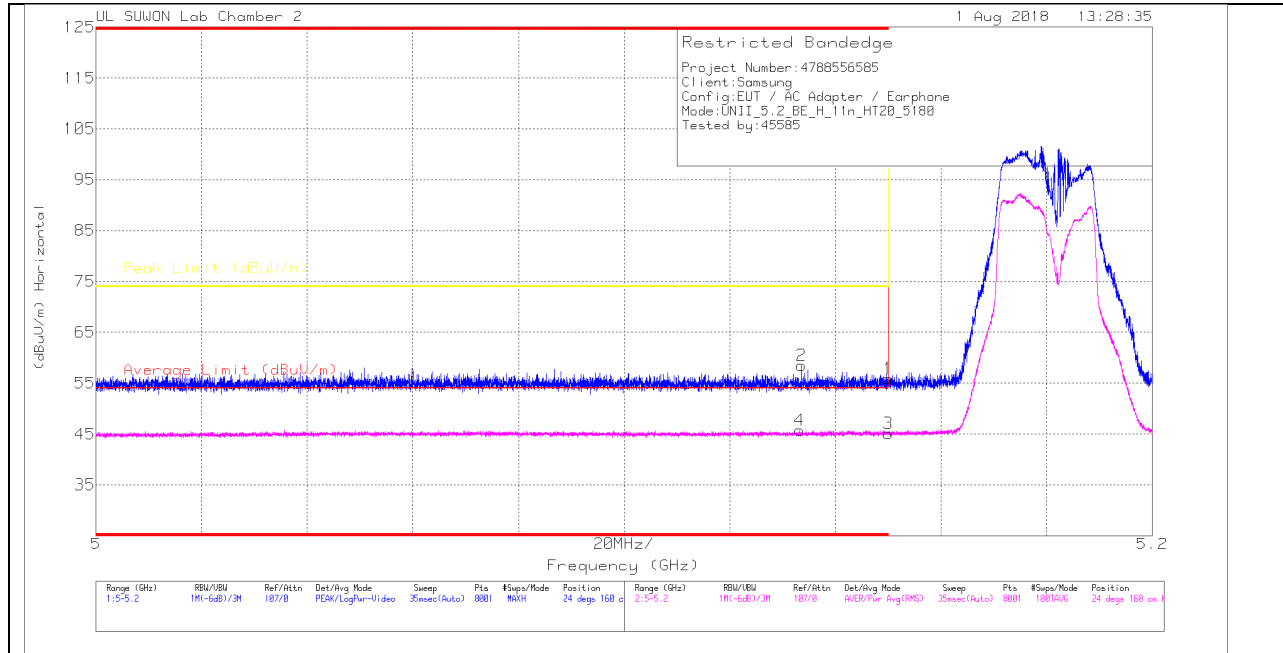
Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117003887_24	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.482	24.74	PK	35.1	-22	0	37.84	-	-	-	-	68.2	-30.36	0-360	150	H
4	10.48	19.2	PK	37.5	-16.4	0	40.3	-	-	-	-	68.2	-27.9	0-360	250	H
5	* 15.722	19.76	PK	39.9	-14.8	0	44.86	-	-	74	-29.14	-	-	0-360	150	H
2	6.468	24.29	PK	35.1	-21.9	0	37.49	-	-	-	-	68.2	-30.71	0-360	150	V
3	10.479	19.62	PK	37.5	-16.4	0	40.72	-	-	-	-	68.2	-27.48	0-360	250	V
6	* 15.721	19.84	PK	39.9	-14.8	0	44.94	-	-	74	-29.06	-	-	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).

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

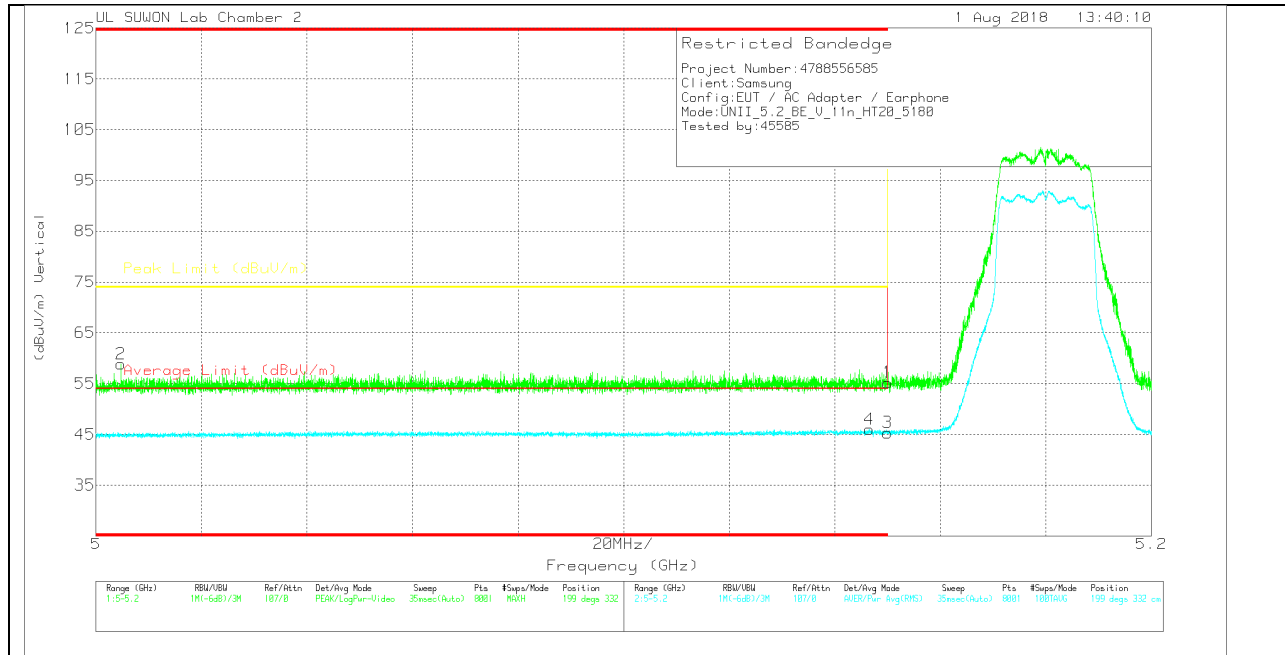
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	37.25	Pk	34	-15.3	0	55.95	-	-	74	-18.05	24	160	H
2	* 5.134	39.8	Pk	34	-15.3	0	58.5	-	-	74	-15.5	24	160	H
3	5.15	26.41	RMS	34	-15.3	0	45.11	54	-8.89	-	-	24	160	H
4	* 5.133	27.1	RMS	34	-15.3	0	45.8	54	-8.2	-	-	24	160	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	36.51	Pk	34	-15.3	0	55.21	-	-	74	-18.79	199	332	V
2	* 5.005	40.25	Pk	33.8	-15.2	0	58.85	-	-	74	-15.15	199	332	V
3	5.15	26.62	RMS	34	-15.3	0	45.32	54	-8.68	-	-	199	332	V
4	* 5.147	27.32	RMS	34	-15.3	0	46.02	54	-7.98	-	-	199	332	V

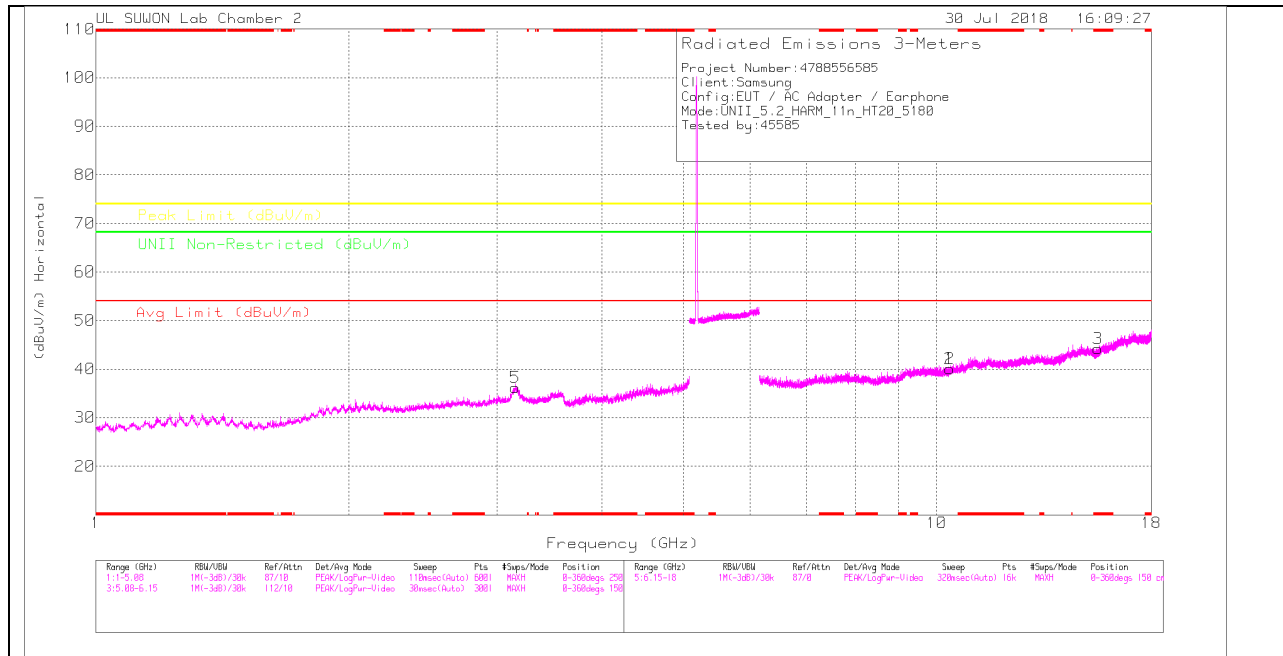
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

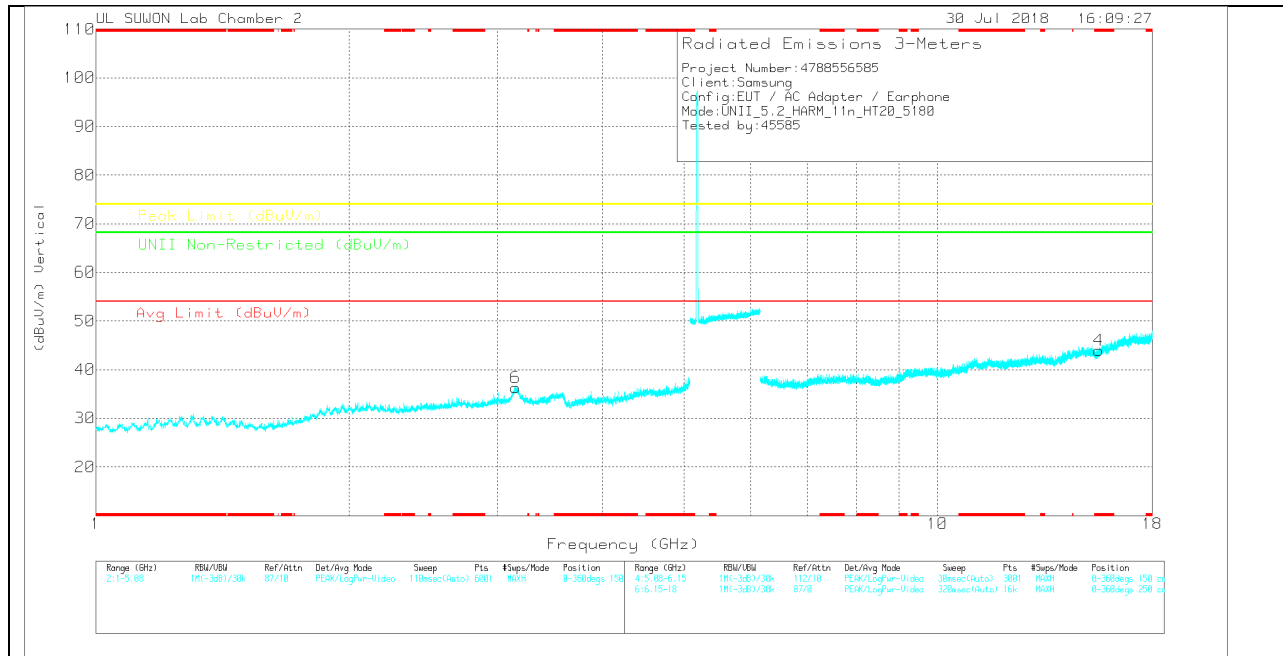
RMS - RMS detection

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

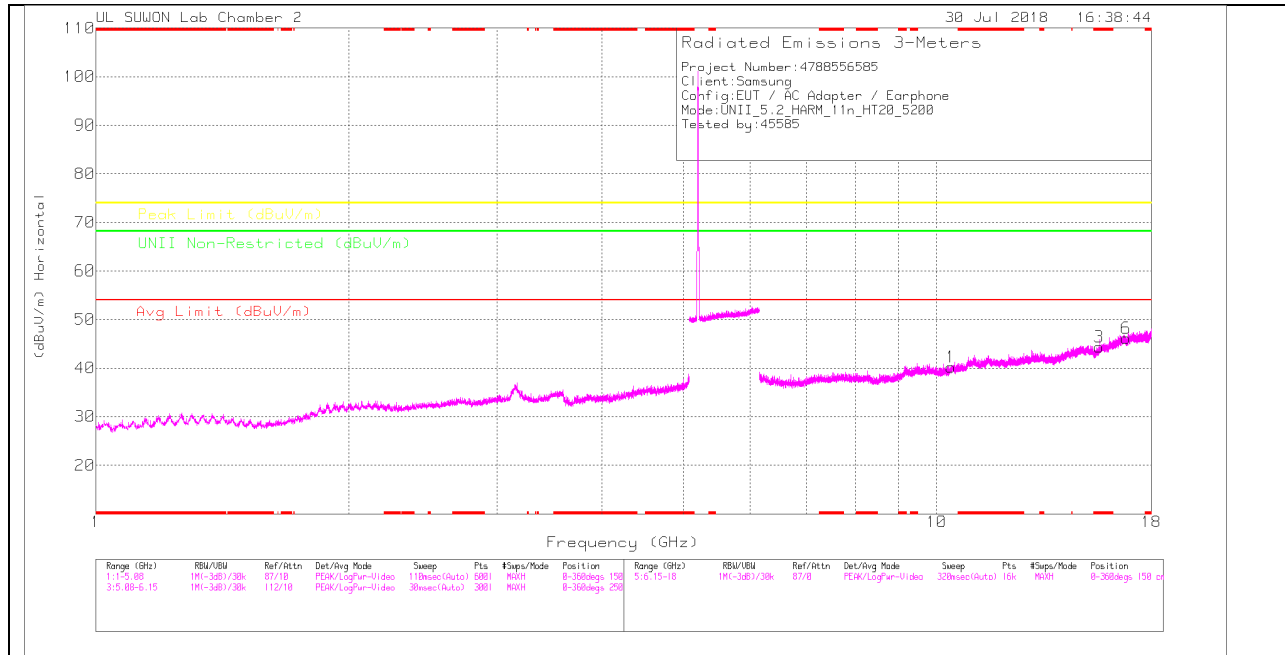
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117001887 24	SGHz_LF(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
5	3.154	27.39	PK	34.8	-26	0	36.19	-	-	-	-	68.2	-32.01	0-360	150	H
6	3.154	27.56	PK	34.8	-26	0	36.36	-	-	-	-	68.2	-31.84	0-360	250	V
1	10.355	19.37	PK	37.5	-16.8	0	40.07	-	-	-	-	68.2	-28.13	0-360	250	H
2	10.355	19.37	PK	37.5	-16.8	0	40.07	-	-	-	-	68.2	-28.13	0-360	250	H
3	* 15.535	19.02	PK	39.7	-14.5	0	44.22	-	-	74	-29.78	-	-	0-360	250	H
4	* 15.543	18.56	PK	39.8	-14.4	0	43.96	-	-	74	-30.04	-	-	0-360	250	V

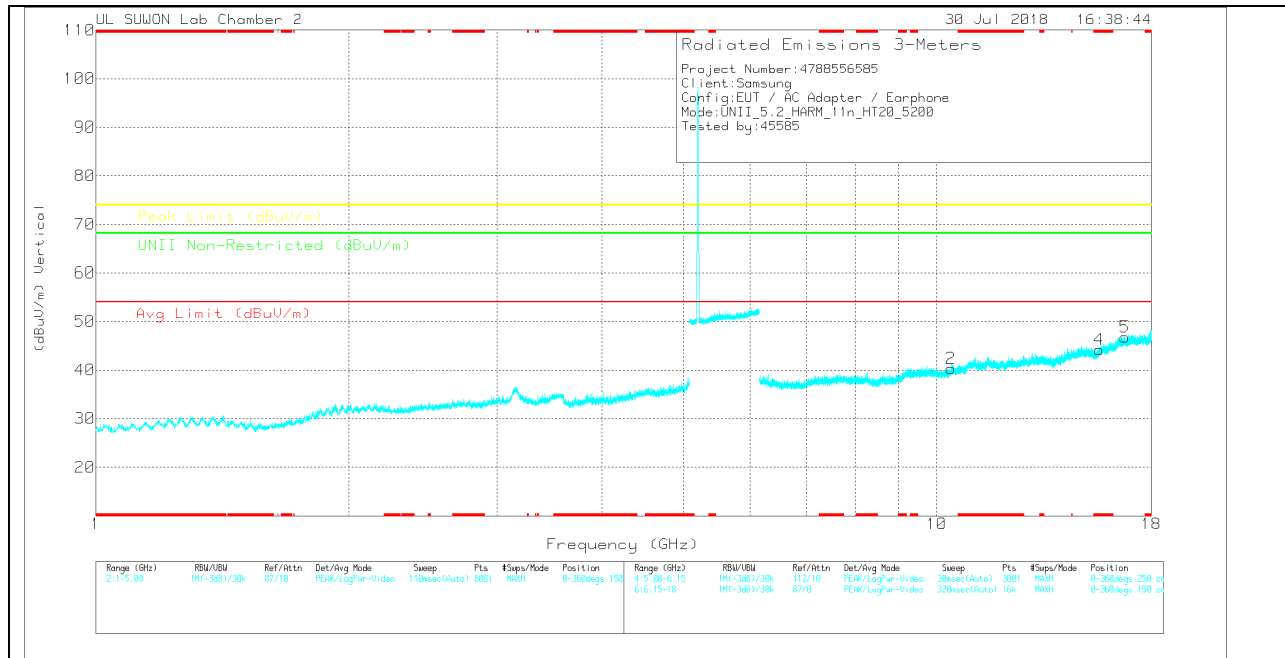
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

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

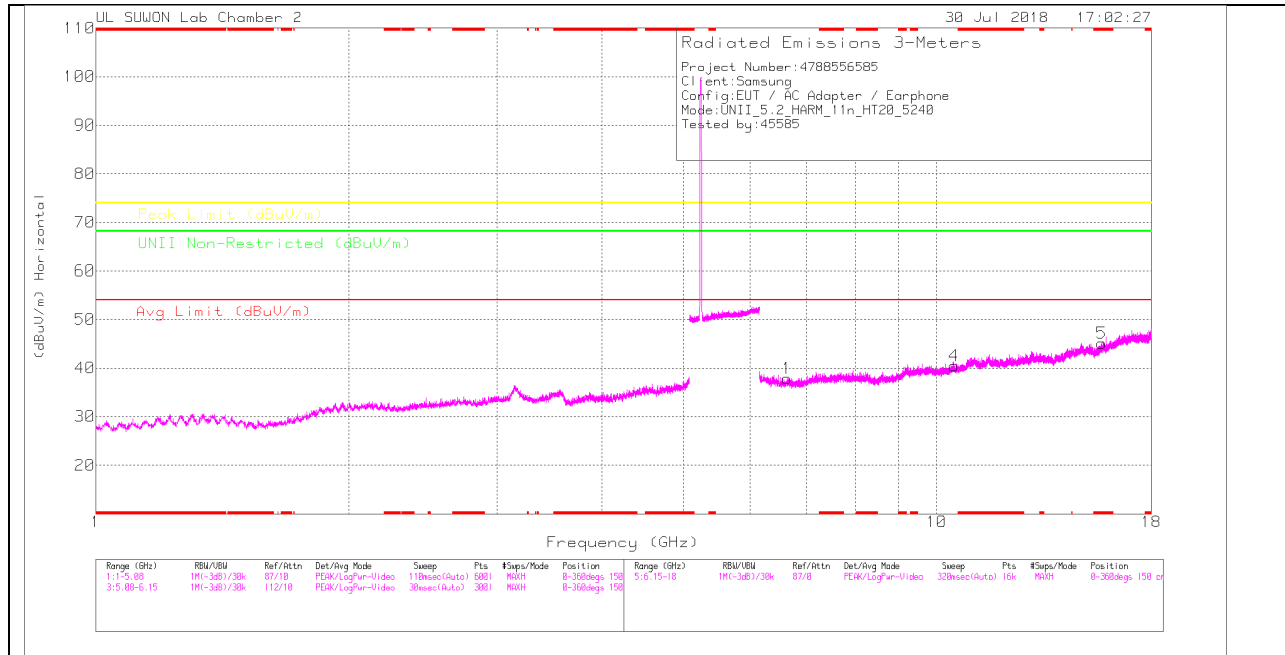
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(001687-24)	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	10.403	18.98	PK	37.5	-16.3	0	40.18	-	-	-	-	68.2	-28.02	0-360	250	H
3	* 15.598	19.19	PK	39.8	-14.6	0	44.39	-	-	74	-29.61	-	-	0-360	250	H
6	16.804	18.76	PK	40.9	-13.5	0	46.16	-	-	-	-	68.2	-22.04	0-360	150	H
2	10.402	19.28	PK	37.5	-16.4	0	40.38	-	-	-	-	68.2	-27.82	0-360	150	V
4	* 15.602	18.95	PK	39.8	-14.5	0	44.25	-	-	74	-29.75	-	-	0-360	150	V
5	16.733	19.68	PK	40.9	-13.8	0	46.78	-	-	-	-	68.2	-21.42	0-360	250	V

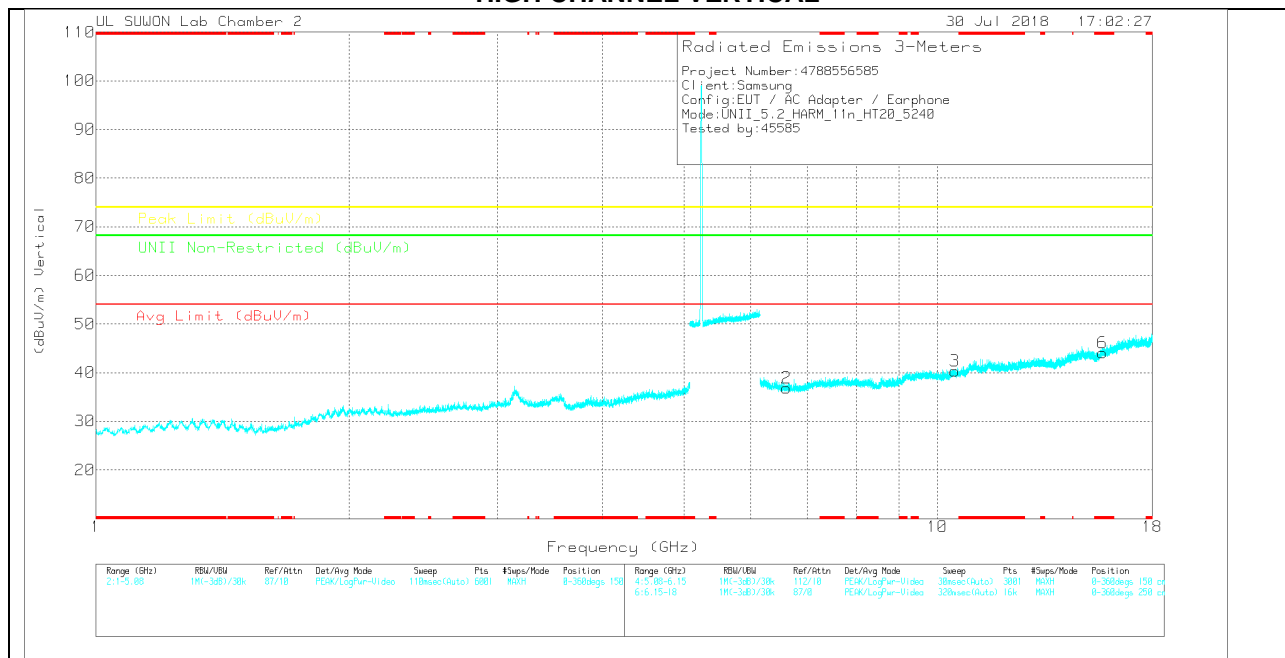
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

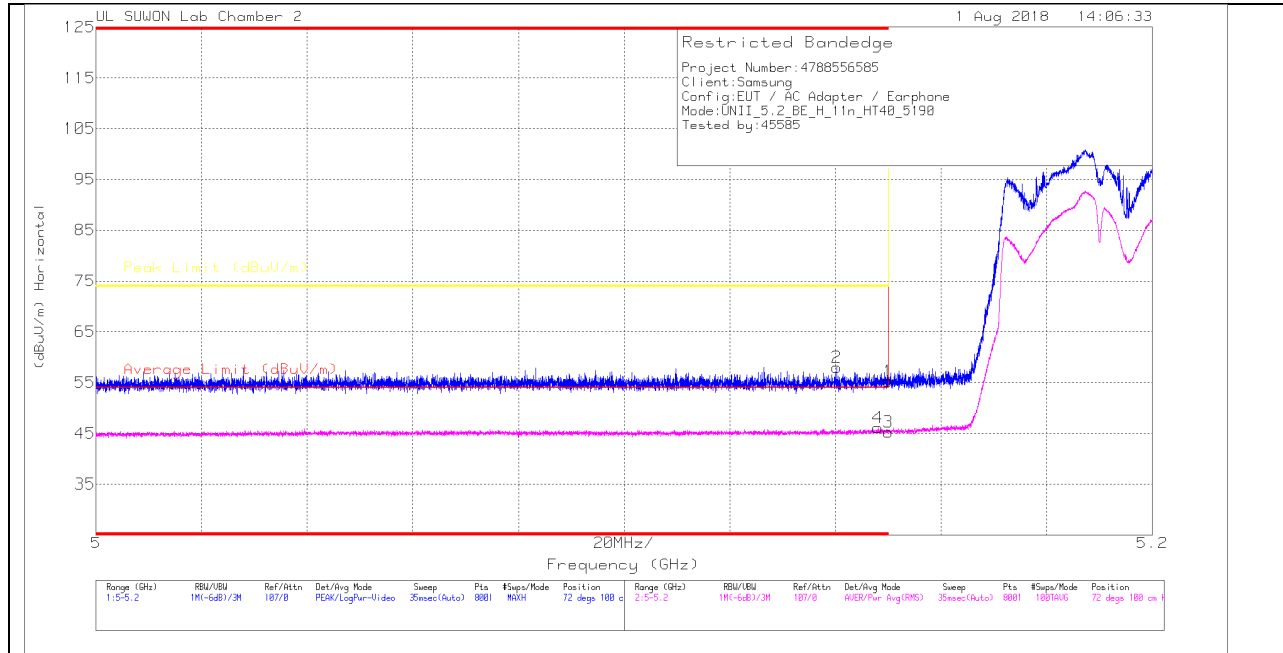
Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117(001887_24)	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.638	24.36	PK	35.2	-21.7	0	37.86	-	-	-	-	68.2	-30.34	0-360	150	H
4	10.48	19.38	PK	37.5	-16.4	0	40.48	-	-	-	-	68.2	-27.72	0-360	250	H
5	* 15.721	20.07	PK	39.9	-14.8	0	45.17	-	-	74	-28.83	-	-	0-360	250	H
2	6.618	23.64	PK	35.1	-21.9	0	36.84	-	-	-	-	68.2	-31.36	0-360	150	V
3	10.484	19.33	PK	37.5	-16.5	0	40.33	-	-	-	-	68.2	-27.87	0-360	150	V
6	* 15.721	18.97	PK	39.9	-14.8	0	44.07	-	-	74	-29.93	-	-	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).

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

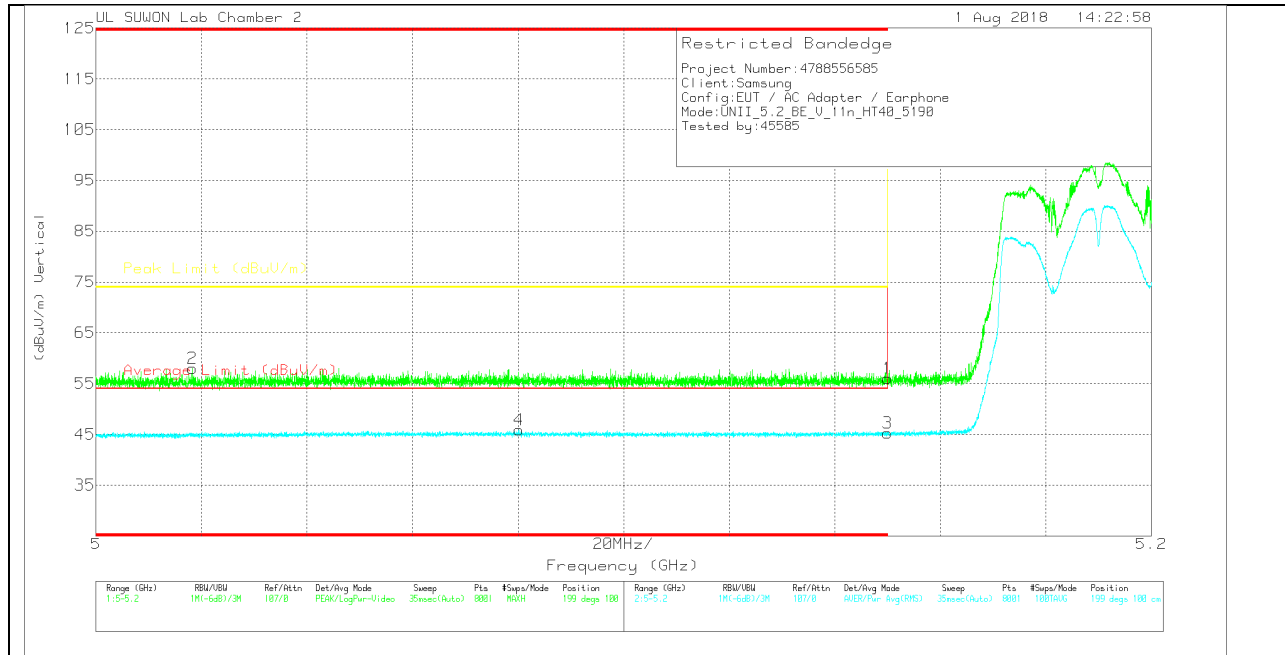
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	36.63	Pk	34	-15.3	0	55.33	-	-	74	-18.67	72	100	H
2	* 5.14	39.33	Pk	34	-15.3	0	58.03	-	-	74	-15.97	72	100	H
3	5.15	26.58	RMS	34	-15.3	0	45.28	54	-8.72	-	-	72	100	H
4	* 5.148	27.45	RMS	34	-15.3	0	46.15	54	-7.85	-	-	72	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	37.3	Pk	34	-15.3	0	56	-	-	74	-18	199	100	V
2	* 5.018	39.42	Pk	33.8	-15.2	0	58.02	-	-	74	-15.98	199	100	V
3	5.15	26.55	RMS	34	-15.3	0	45.25	54	-8.75	-	-	199	100	V
4	* 5.08	27.15	RMS	33.9	-15.2	0	45.85	54	-8.15	-	-	199	100	V

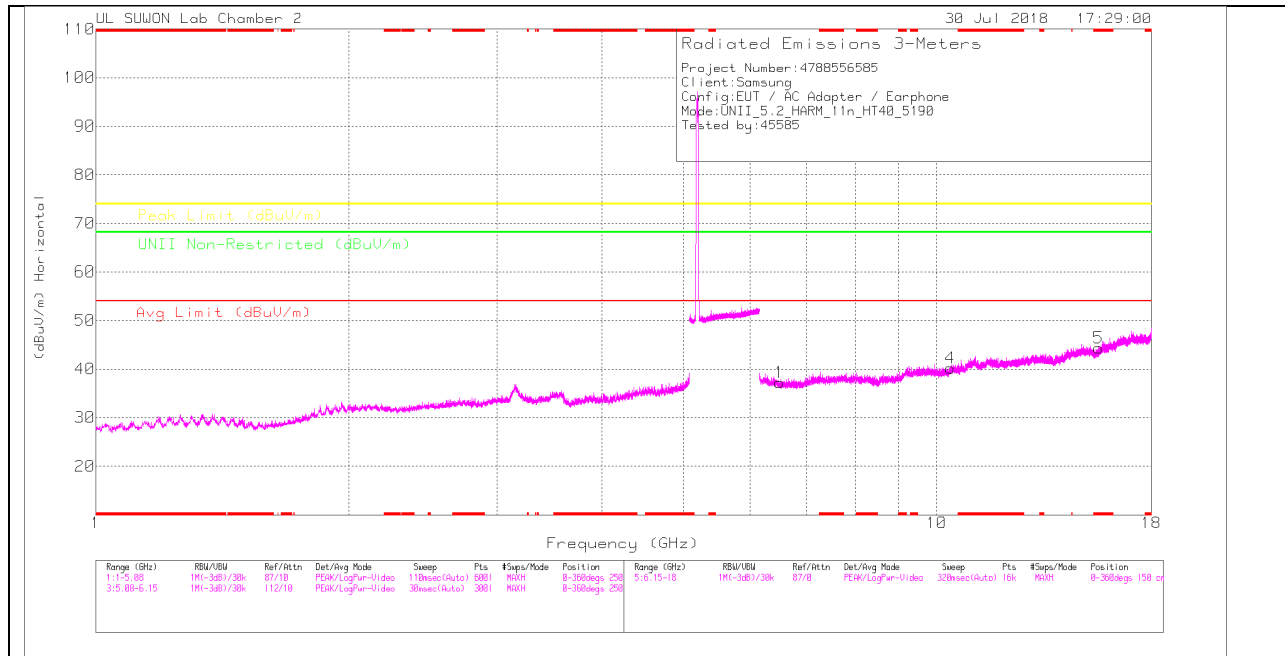
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

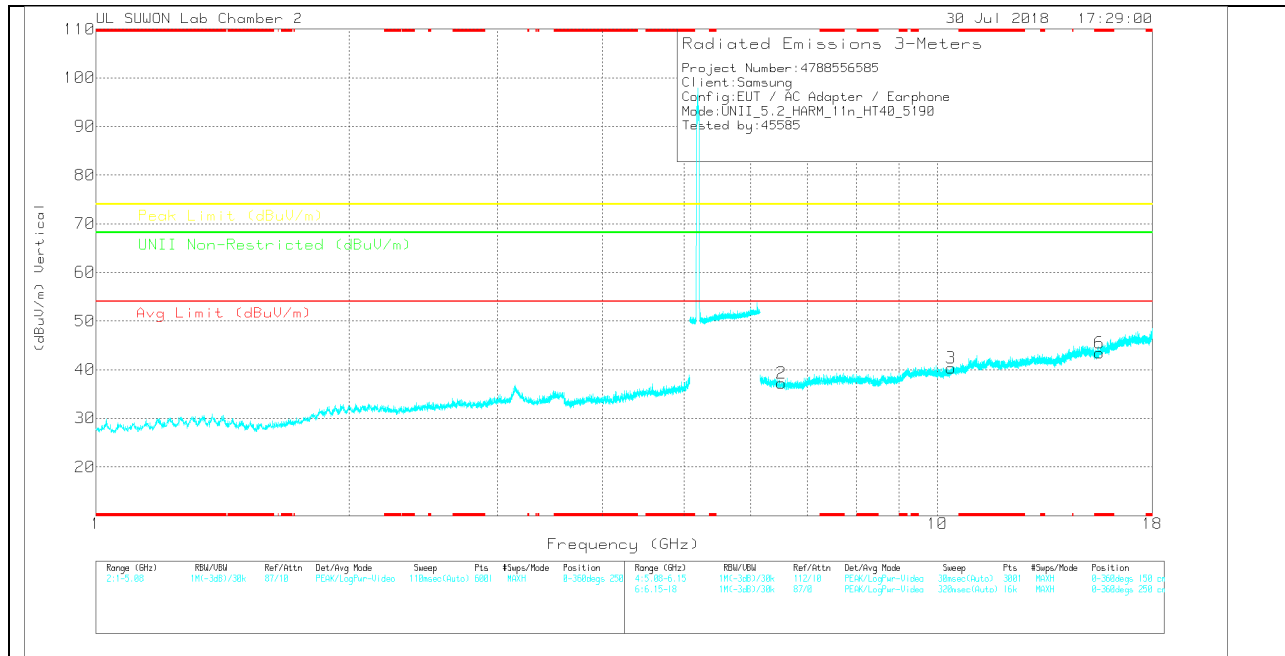
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

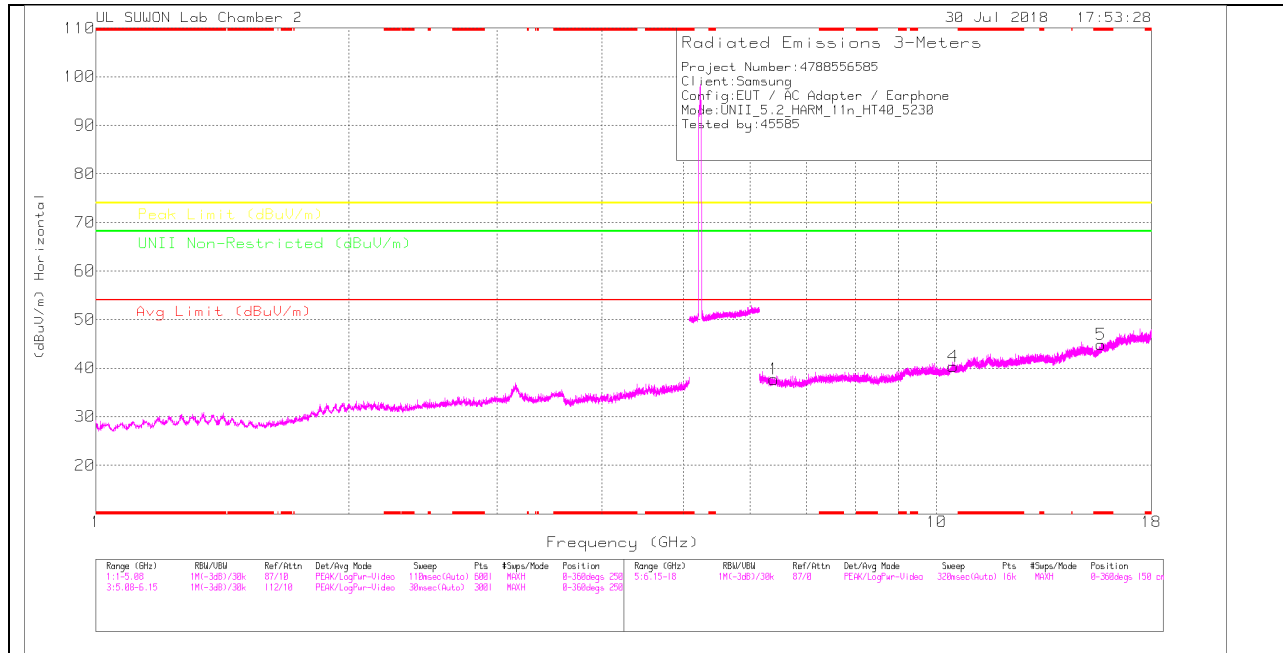
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117003887_24	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unlit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.5	24.31	PK	35.1	-22.2	0	37.21	-	-	-	-	68.2	-30.99	0-360	150	H
4	10.384	19.17	PK	37.5	-16.5	0	40.17	-	-	-	-	68.2	-28.03	0-360	150	H
5	* 15.569	19.05	PK	39.8	-14.5	0	44.35	-	-	74	-29.65	-	-	0-360	150	H
2	6.523	24.38	PK	35.1	-22.3	0	37.18	-	-	-	-	68.2	-31.02	0-360	250	V
3	10.387	19.2	PK	37.5	-16.4	0	40.3	-	-	-	-	68.2	-27.9	0-360	150	V
6	* 15.571	18.27	PK	39.8	-14.6	0	43.47	-	-	74	-30.53	-	-	0-360	250	V

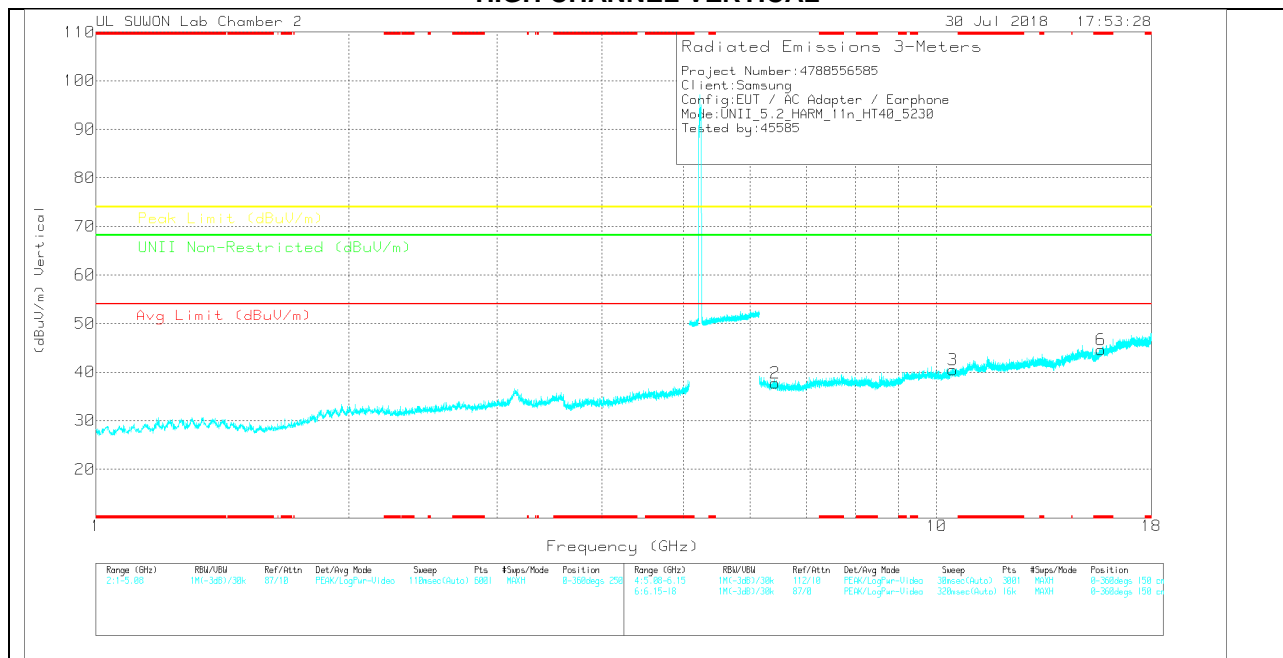
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

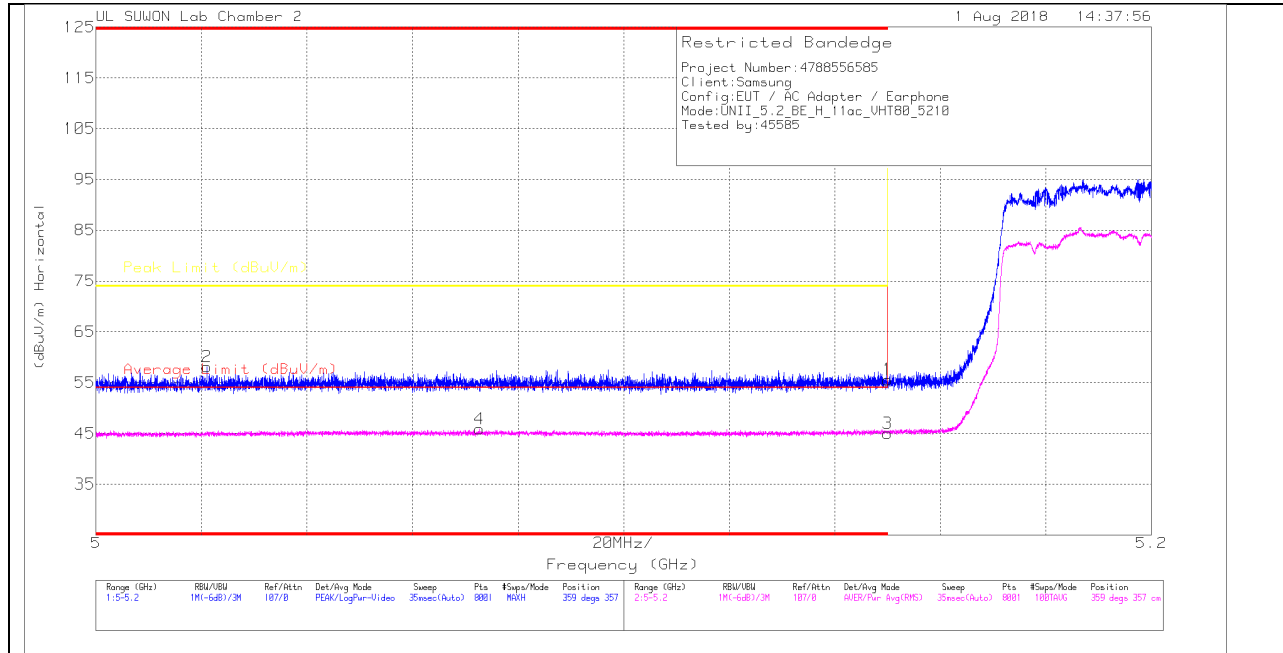
Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117(001887_24)	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.405	24.28	PK	35.1	-21.7	0	37.68	-	-	-	-	68.2	-30.52	0-360	150	H
4	10.461	19.12	PK	37.5	-16.3	0	40.32	-	-	-	-	68.2	-27.88	0-360	150	H
5	* 15.689	19.6	PK	39.9	-14.7	0	44.8	-	-	74	-29.2	-	-	0-360	250	H
2	6.423	24.11	PK	35.1	-21.5	0	37.71	-	-	-	-	68.2	-30.49	0-360	250	V
3	10.459	19.25	PK	37.5	-16.3	0	40.45	-	-	-	-	68.2	-27.75	0-360	250	V
6	* 15.694	19.47	PK	39.9	-14.8	0	44.57	-	-	74	-29.43	-	-	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).

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

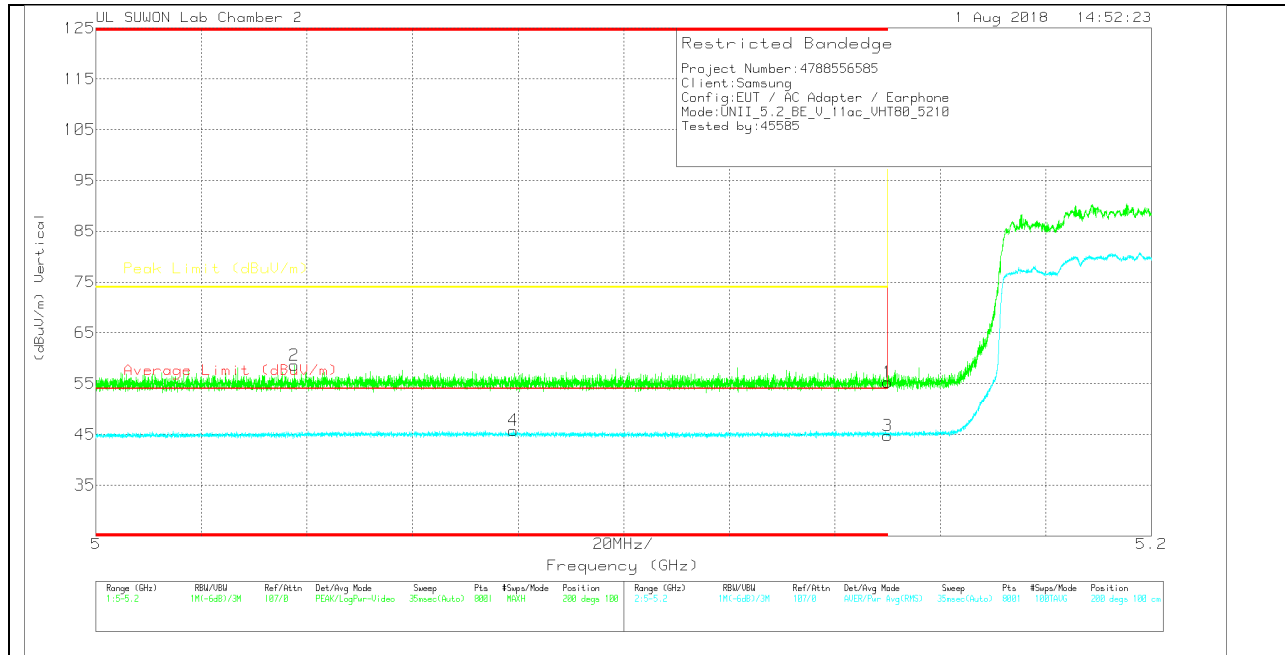
Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	36.88	Pk	34	-15.3	0	55.58	-	-	74	-18.42	359	357	H
2	* 5.021	39.54	Pk	33.8	-15.2	0	58.14	-	-	74	-15.86	359	357	H
3	5.15	26.27	RMS	34	-15.3	0	44.97	54	-9.03	-	-	359	357	H
4	* 5.073	27.12	RMS	33.9	-15.2	0	45.82	54	-8.18	-	-	359	357	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	36.63	Pk	34	-15.3	0	55.33	-	-	74	-18.67	200	100	V
2	* 5.038	39.95	Pk	33.9	-15.2	0	58.65	-	-	74	-15.35	200	100	V
3	5.15	26.11	RMS	34	-15.3	0	44.81	54	-9.19	-	-	200	100	V
4	* 5.079	27.11	RMS	33.9	-15.2	0	45.81	54	-8.19	-	-	200	100	V

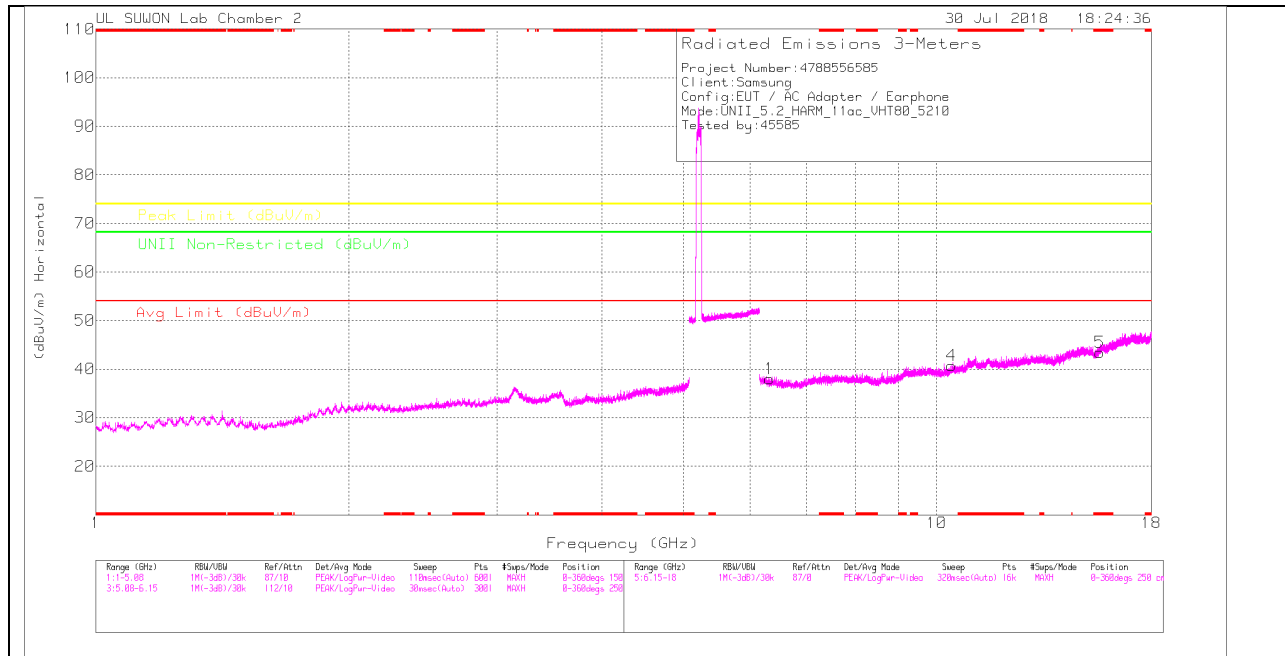
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

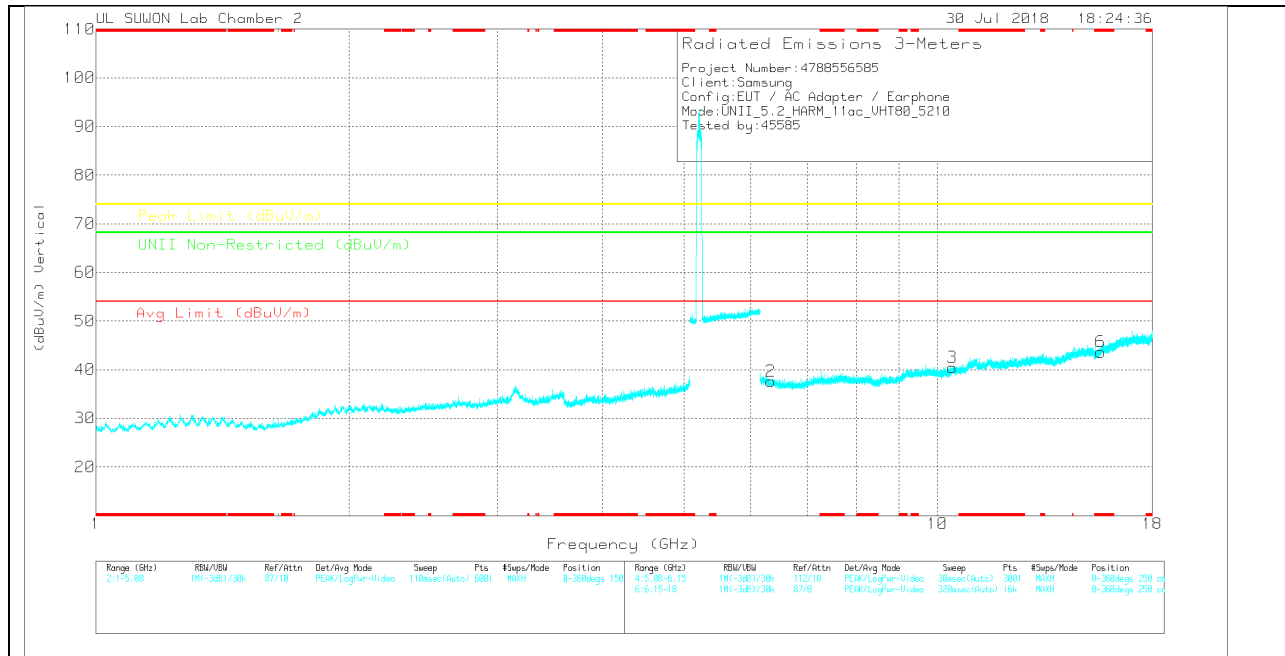
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700187 24)	GGH ₁ NF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.329	25.45	PK	35.1	-22.6	0	37.95	-	-	-	-	68.2	-30.25	0-360	250	H
4	10.421	19.41	PK	37.5	-16.2	0	40.71	-	-	-	-	68.2	-27.49	0-360	250	H
5	* 15.63	18.32	PK	39.8	-14.7	0	43.42	-	-	74	-	-30.58	-	0-360	150	H
2	6.34	25.16	PK	35.1	-22.6	0	37.66	-	-	-	-	68.2	-30.54	0-360	250	V
3	10.422	19.2	PK	37.5	-16.2	0	40.5	-	-	-	-	68.2	-27.7	0-360	250	V
6	* 15.63	18.53	PK	39.8	-14.7	0	43.63	-	-	74	-	-30.37	-	0-360	250	V

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

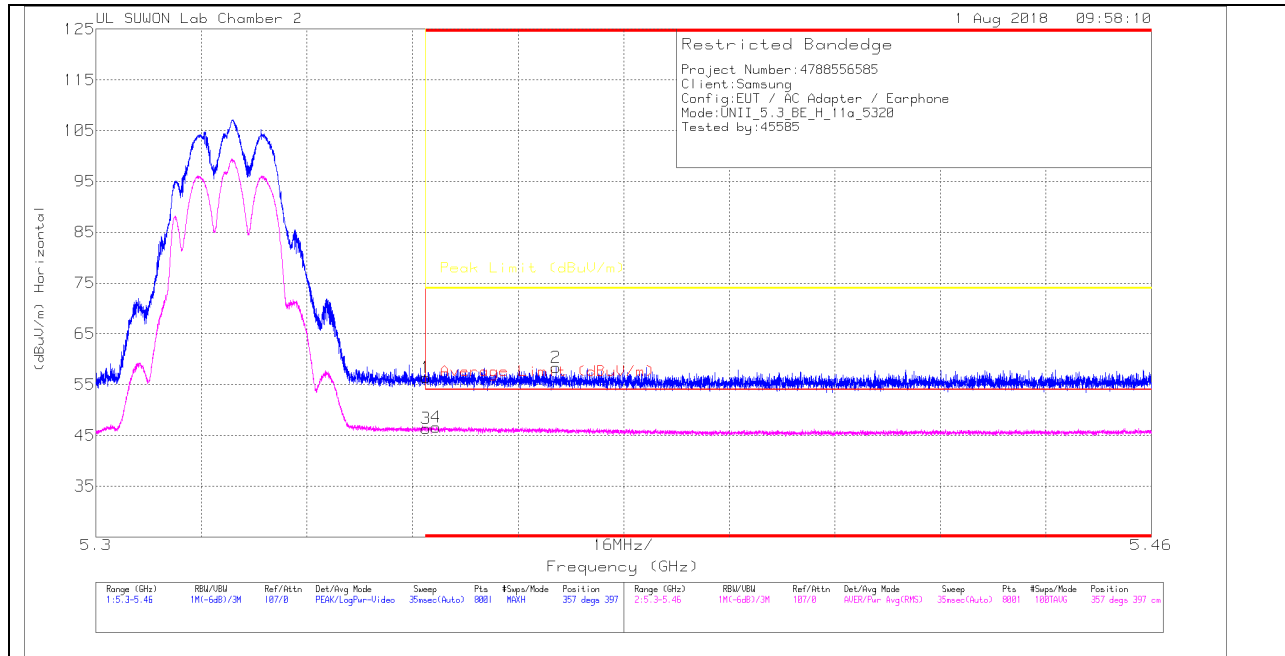
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.2. 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 PLOT



HORIZONTAL DATA

Trace Markers

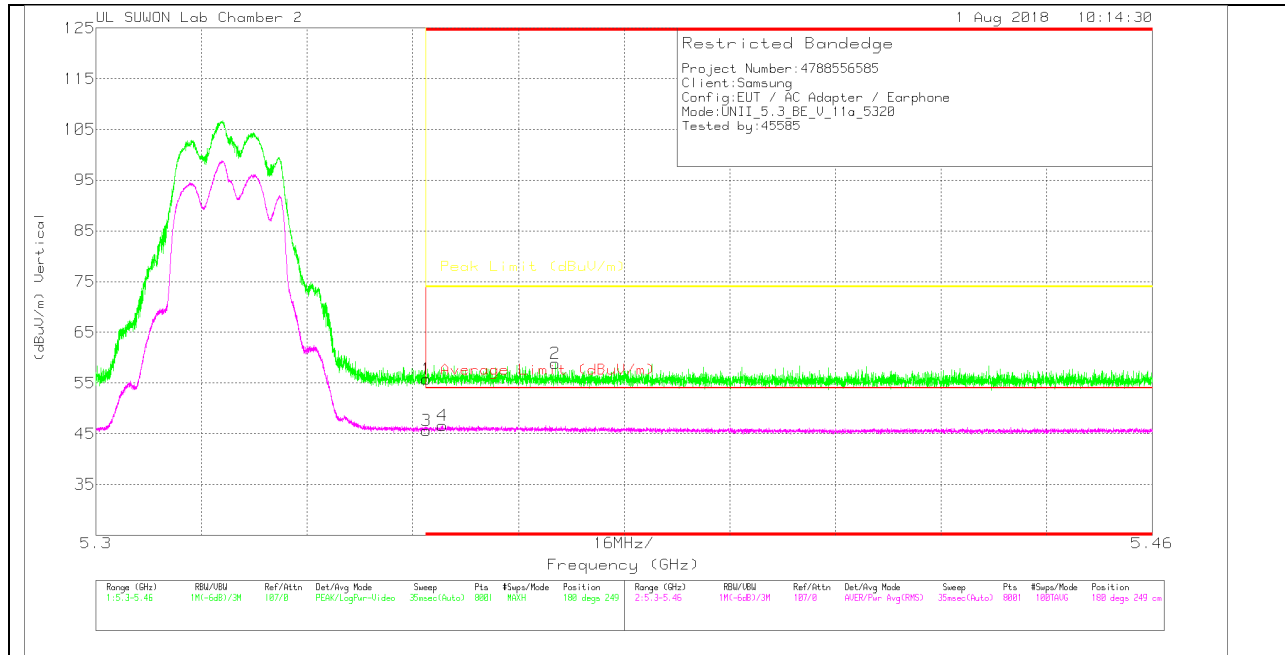
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.41	Pk	34.2	-15.2	0	56.41	-	-	74	-17.59	357	397	H
2	* 5.37	39.39	Pk	34.2	-15.2	0	58.39	-	-	74	-15.61	357	397	H
3	* 5.35	27.35	RMS	34.2	-15.2	0	46.35	54	-7.65	-	-	357	397	H
4	* 5.352	27.64	RMS	34.2	-15.2	0	46.64	54	-7.36	-	-	357	397	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.78	Pk		34.2	-15.2	55.78	-	-	74	-18.22	180	249	V
2	* 5.37	39.82	Pk		34.2	-15.2	58.82	-	-	74	-15.18	180	249	V
3	* 5.35	26.65	RMS		34.2	-15.2	45.65	54	-8.35	-	-	180	249	V
4	* 5.352	27.62	RMS		34.2	-15.2	46.62	54	-7.38	-	-	180	249	V

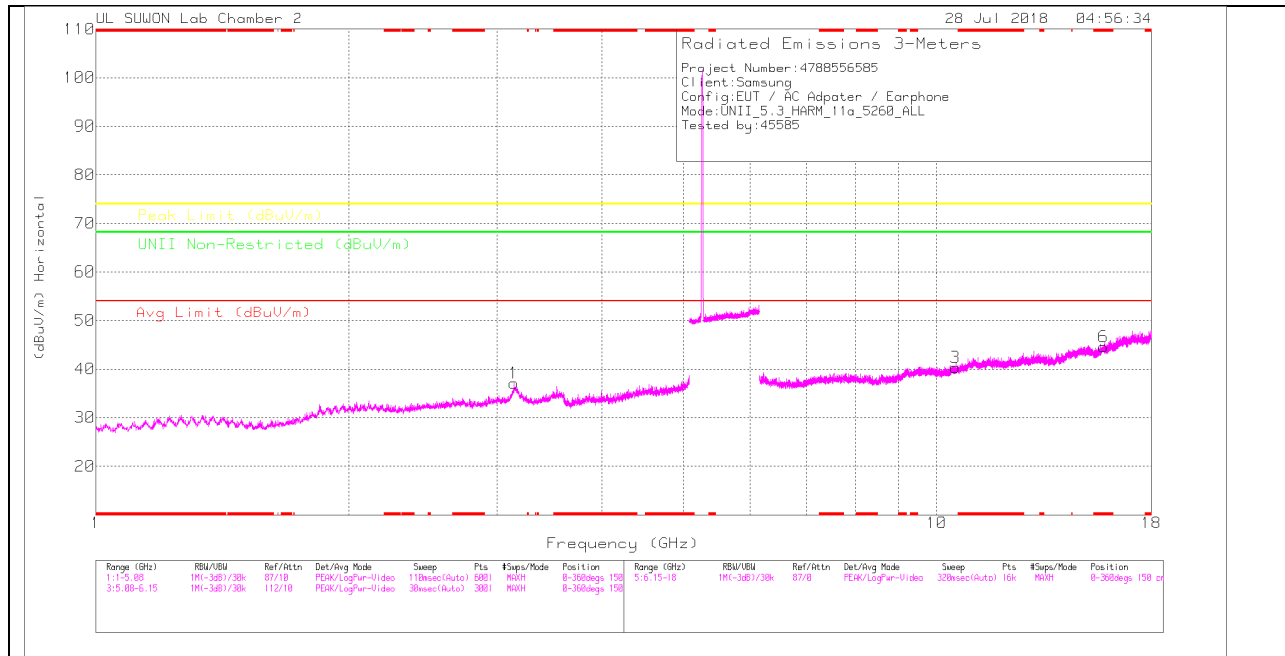
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

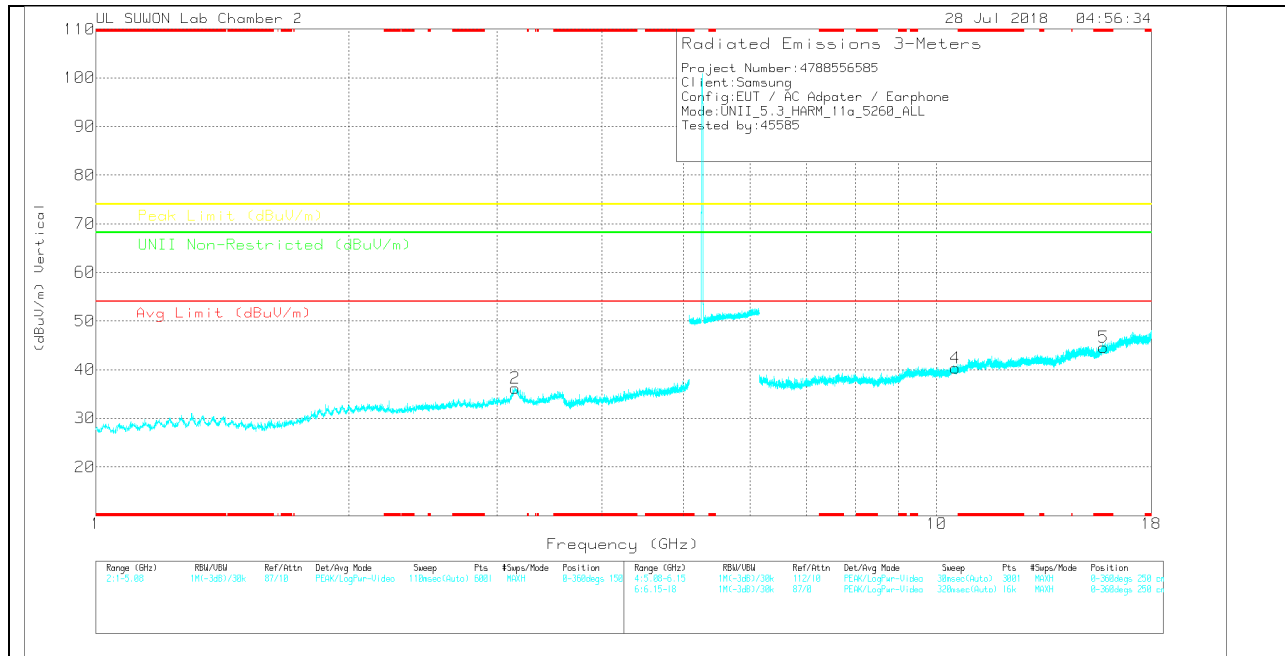
RMS - RMS detection

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

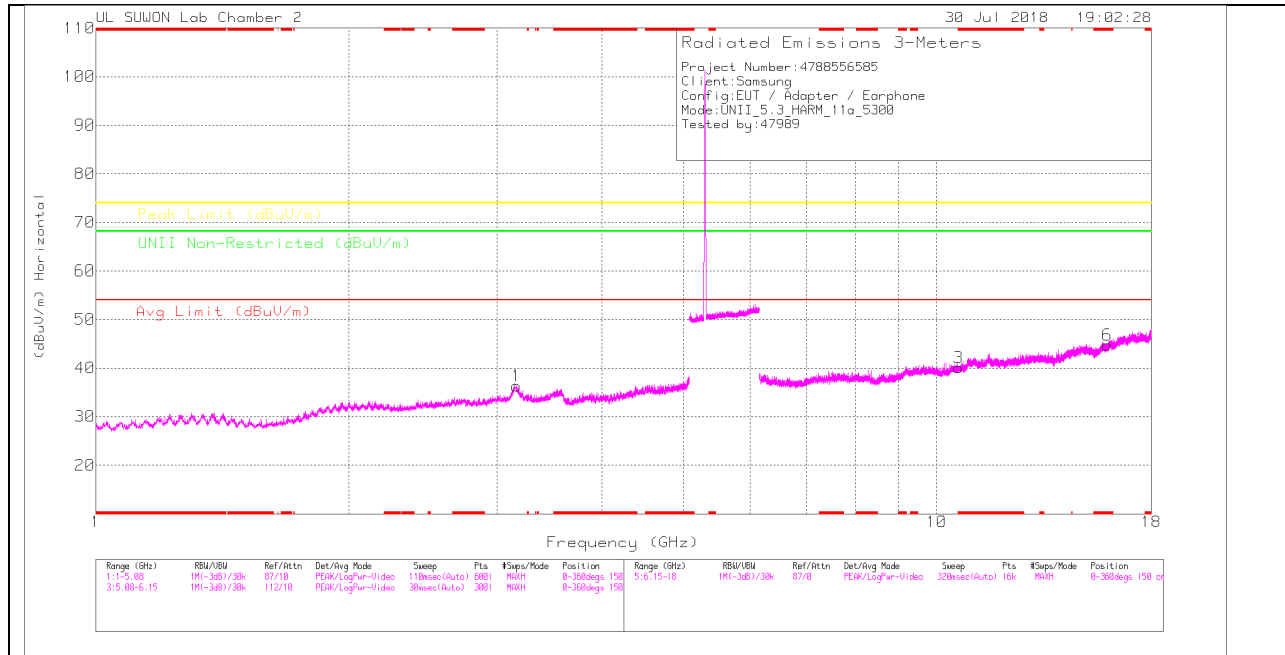
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.141	28.88	PK	34.5	-26.3	0	37.08	-	-	-	-	68.2	-31.12	0-360	150	H
2	3.156	27.45	PK	34.7	-26	0	36.15	-	-	-	-	68.2	-32.05	0-360	250	V
3	10.522	19.41	PK	37.5	-16.6	0	40.31	-	-	-	-	68.2	-27.89	0-360	150	H
6	* 15.78	19.33	PK	40.1	-14.8	0	44.63	-	-	74	-29.37	-	-	0-360	250	H
4	10.523	19.37	PK	37.5	-16.6	0	40.27	-	-	-	-	68.2	-27.93	0-360	250	V
5	* 15.78	19.25	PK	40.1	-14.8	0	44.55	-	-	74	-29.45	-	-	0-360	150	V

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

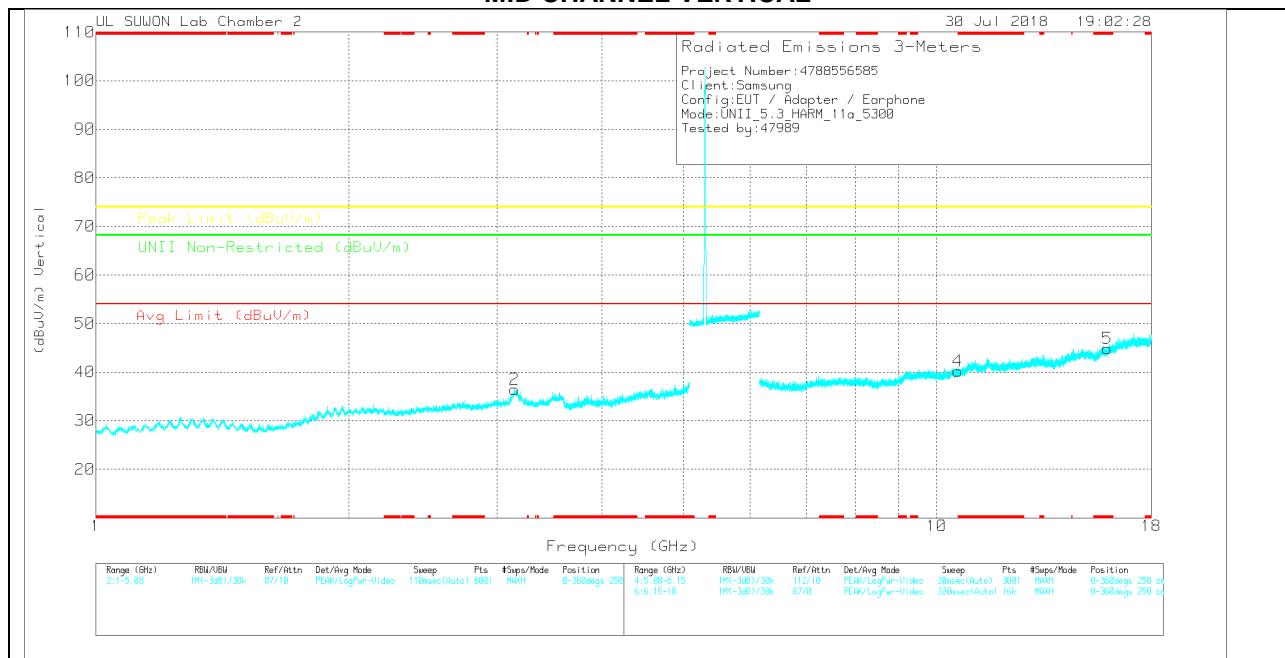
PK – Peak Detector

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

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

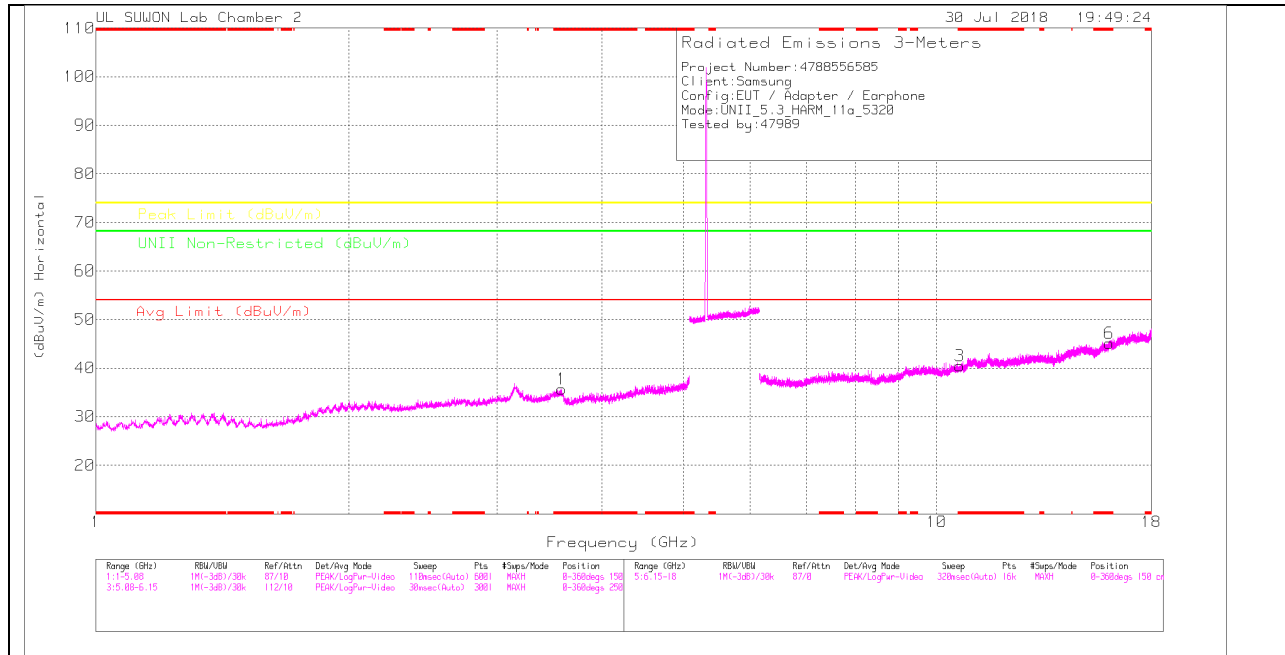
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117001887 24	SGHz_LF(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)	Polariz
1	3.164	27.67	PK	34.5	-25.9	0	36.27	-	-	-	-	68.2	-31.93	0-360	150	H
2	3.149	27.64	PK	34.9	-26.1	0	36.44	-	-	-	-	68.2	-31.76	0-360	150	V
3	* 10.61	19.21	PK	37.6	-16.7	0	40.11	-	-	74	-33.89	-	-	0-360	250	H
6	* 15.957	18.7	PK	40.4	-14.4	0	44.7	-	-	74	-29.3	-	-	0-360	150	H
4	* 10.602	19.23	PK	37.6	-16.6	0	40.23	-	-	74	-33.77	-	-	0-360	250	V
5	* 15.962	18.8	PK	40.4	-14.4	0	44.8	-	-	74	-29.2	-	-	0-360	250	V

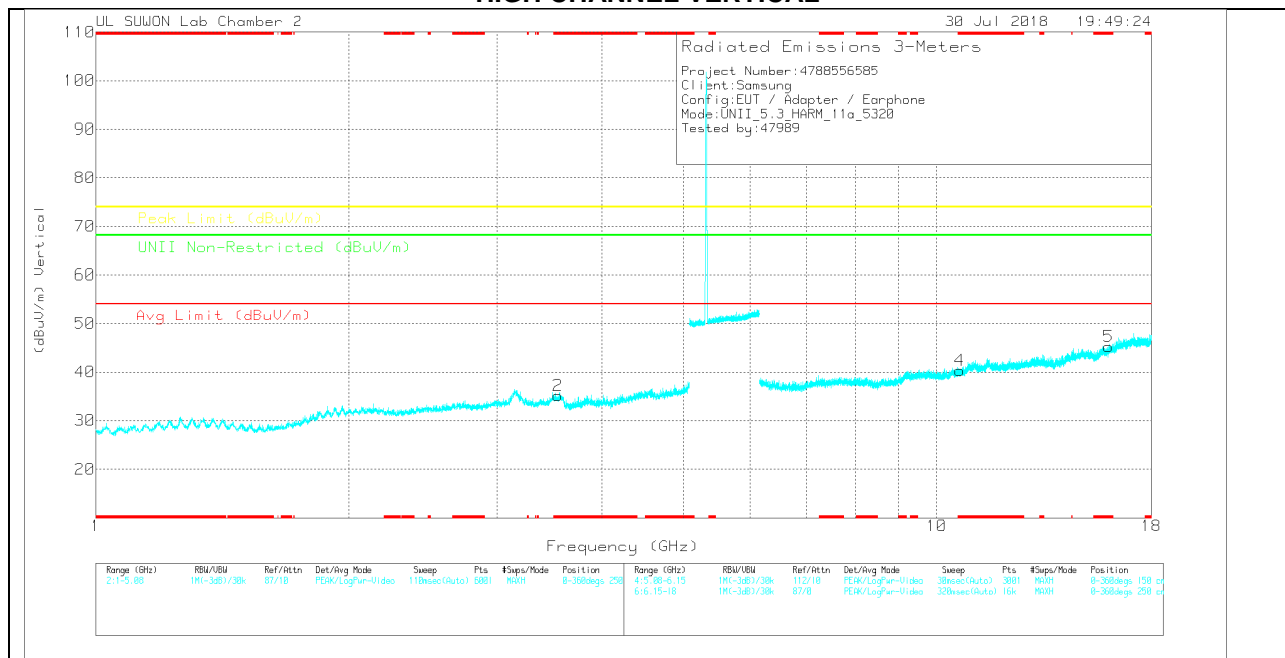
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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	170531_3117001687 24)	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNL Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.578	27.83	PK	32.9	-25.1	0	35.63	-	-	74	-38.37	-	-	0-360	250	H
2	* 3.546	26.97	PK	32.8	-24.6	0	35.17	-	-	74	-38.83	-	-	0-360	250	V
3	* 10.649	19.28	PK	37.7	-16.5	0	40.48	-	-	74	-33.52	-	-	0-360	250	H
6	* 16.026	18.92	PK	40.4	-14.2	0	45.12	-	-	74	-28.88	-	-	0-360	150	H
4	* 10.648	19.09	PK	37.7	-16.5	0	40.29	-	-	74	-33.71	-	-	0-360	150	V
5	* 16.001	19.09	PK	40.4	-14.3	0	45.19	-	-	74	-28.81	-	-	0-360	150	V

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

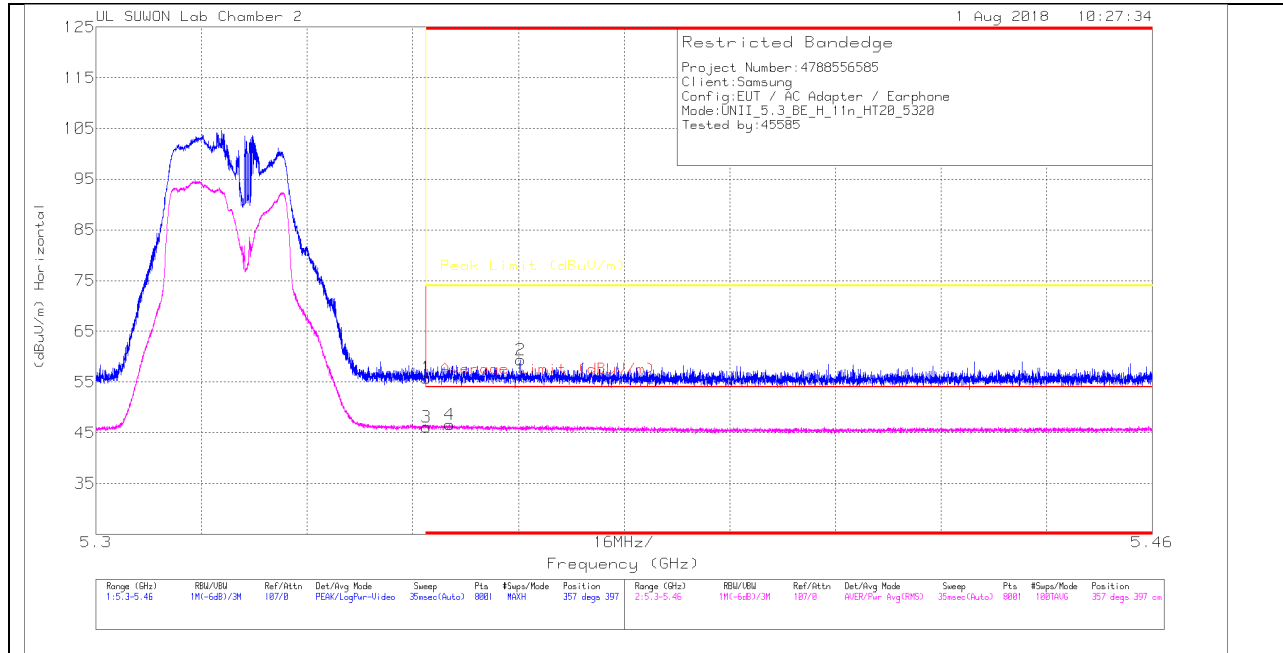
PK – Peak detector

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

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

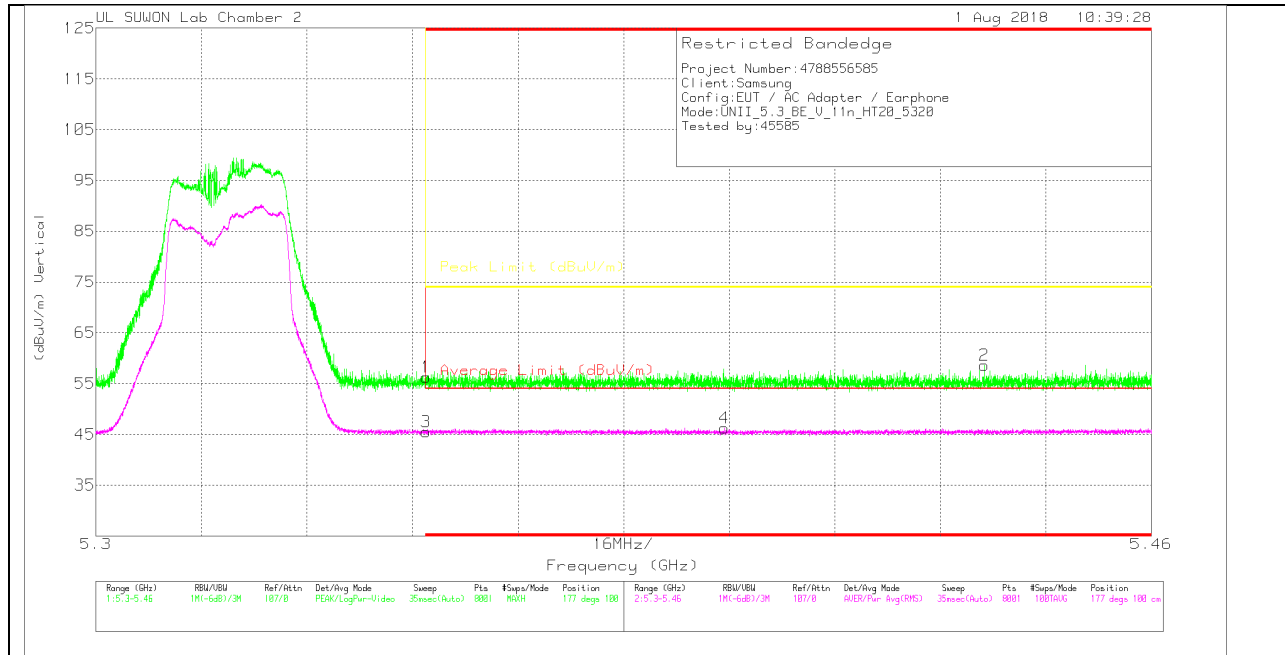
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.83	Pk	34.2	-15.2	0	55.83	-	-	74	-18.17	357	397	H
2	* 5.364	40.39	Pk	34.2	-15.2	0	59.39	-	-	74	-14.61	357	397	H
3	* 5.35	27.14	RMS	34.2	-15.2	0	46.14	54	-7.86	-	-	357	397	H
4	* 5.354	27.62	RMS	34.2	-15.2	0	46.62	54	-7.38	-	-	357	397	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	* 5.35	37.26	Pk	34.2	-15.2	0	56.26	-	-	74	-17.74	177	100	V
2	* 5.435	39.4	Pk	34.3	-15.1	0	58.6	-	-	74	-15.4	177	100	V
3	* 5.35	26.55	RMS	34.2	-15.2	0	45.55	54	-8.45	-	-	177	100	V
4	* 5.395	27.26	RMS	34.2	-15.2	0	46.26	54	-7.74	-	-	177	100	V

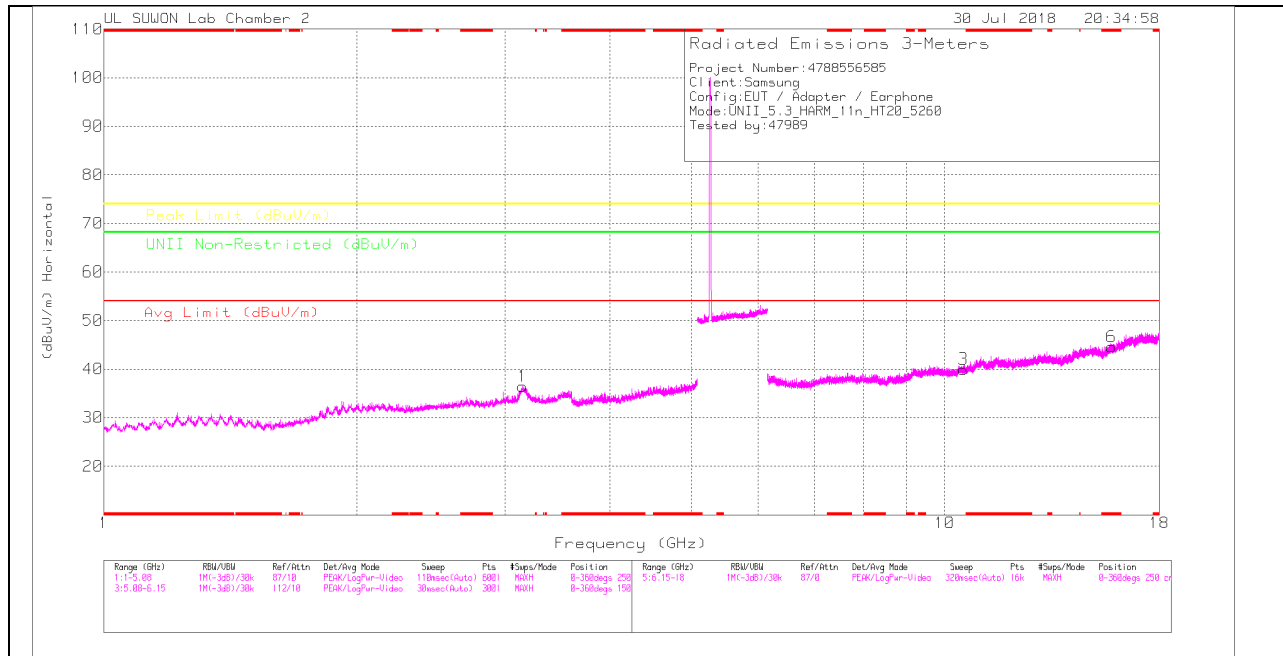
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

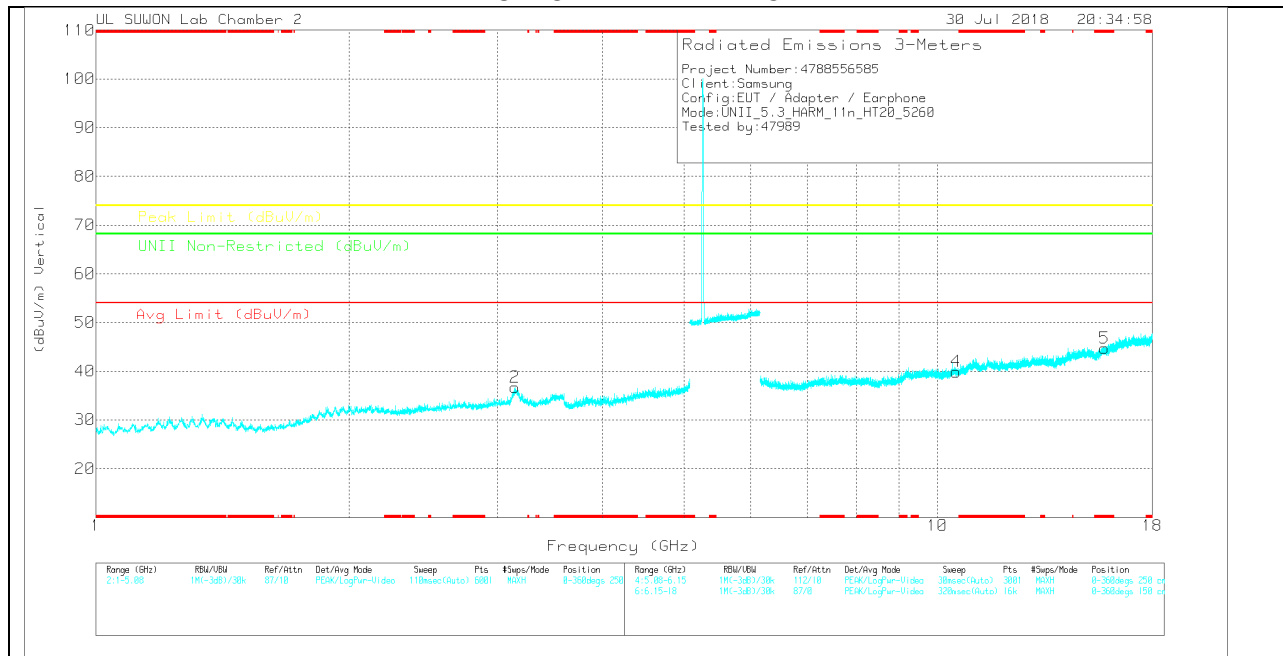
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

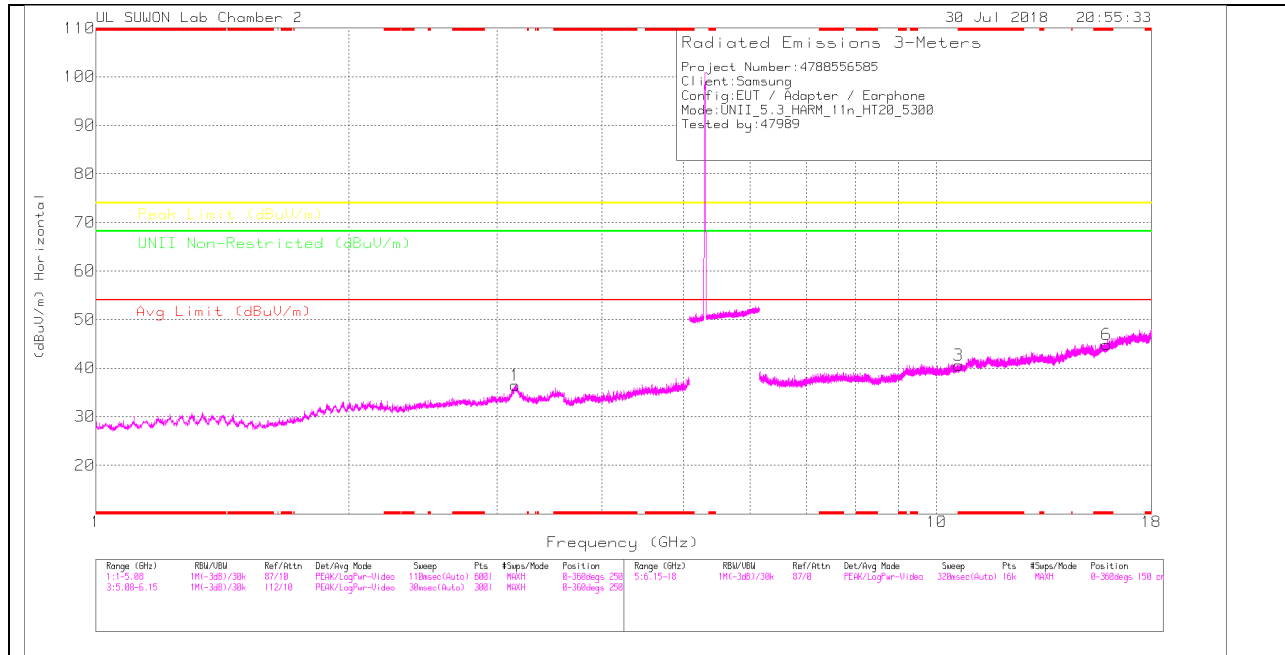
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117001887 24	SGHz_LF(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	3.146	27.92	PK	34.7	-26.2	0	36.42	-	-	-	-	68.2	-31.78	0-360	250	H
2	3.148	28.05	PK	34.8	-26.2	0	36.65	-	-	-	-	68.2	-31.55	0-360	250	V
3	10.525	19.1	PK	37.5	-16.6	0	40	-	-	-	-	68.2	-28.2	0-360	150	H
6	* 15.79	19.27	PK	40.1	-14.8	0	44.57	-	-	74	-29.43	-	-	0-360	150	H
4	10.523	18.98	PK	37.5	-16.6	0	39.88	-	-	-	-	68.2	-28.32	0-360	250	V
5	* 15.787	19.32	PK	40.1	-14.7	0	44.72	-	-	74	-29.28	-	-	0-360	150	V

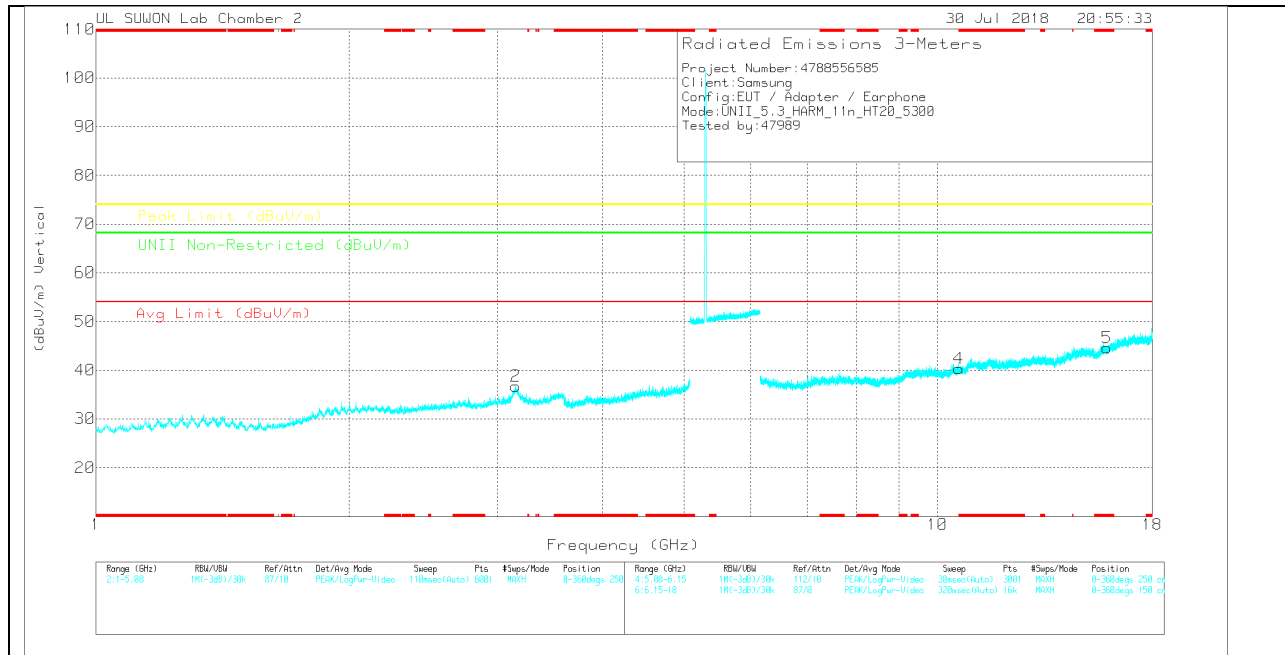
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

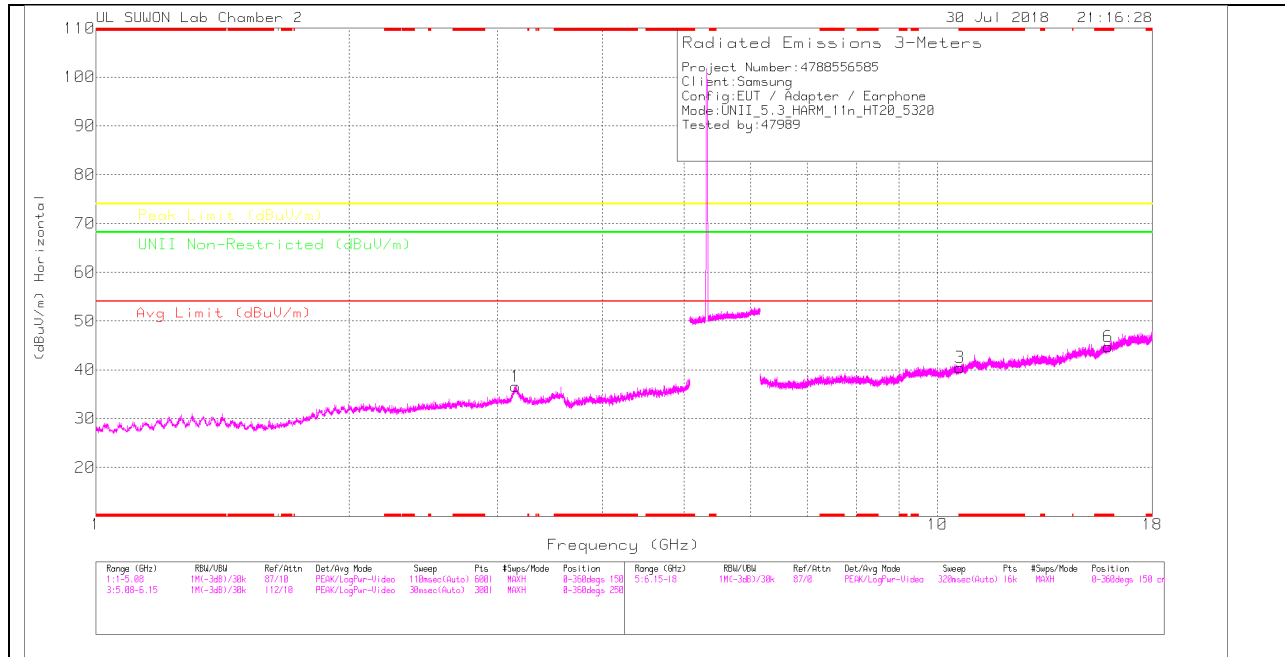
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 *4	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNR Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.151	27.59	PK	34.9	-26.1	0	36.39	-	-	-	-	68.2	-31.81	0-360	150	H
2	3.154	27.93	PK	34.8	-26	0	36.73	-	-	-	-	68.2	-31.47	0-360	150	V
3	* 10.608	19.71	PK	37.6	-16.7	0	40.61	-	-	74	-33.39	-	-	0-360	250	H
6	* 15.92	19.28	PK	40.3	-14.7	0	44.88	-	-	74	-29.12	-	-	0-360	250	H
4	* 10.605	19.39	PK	37.6	-16.7	0	40.29	-	-	74	-33.71	-	-	0-360	250	V
5	* 15.91	18.86	PK	40.3	-14.6	0	44.56	-	-	74	-29.44	-	-	0-360	150	V

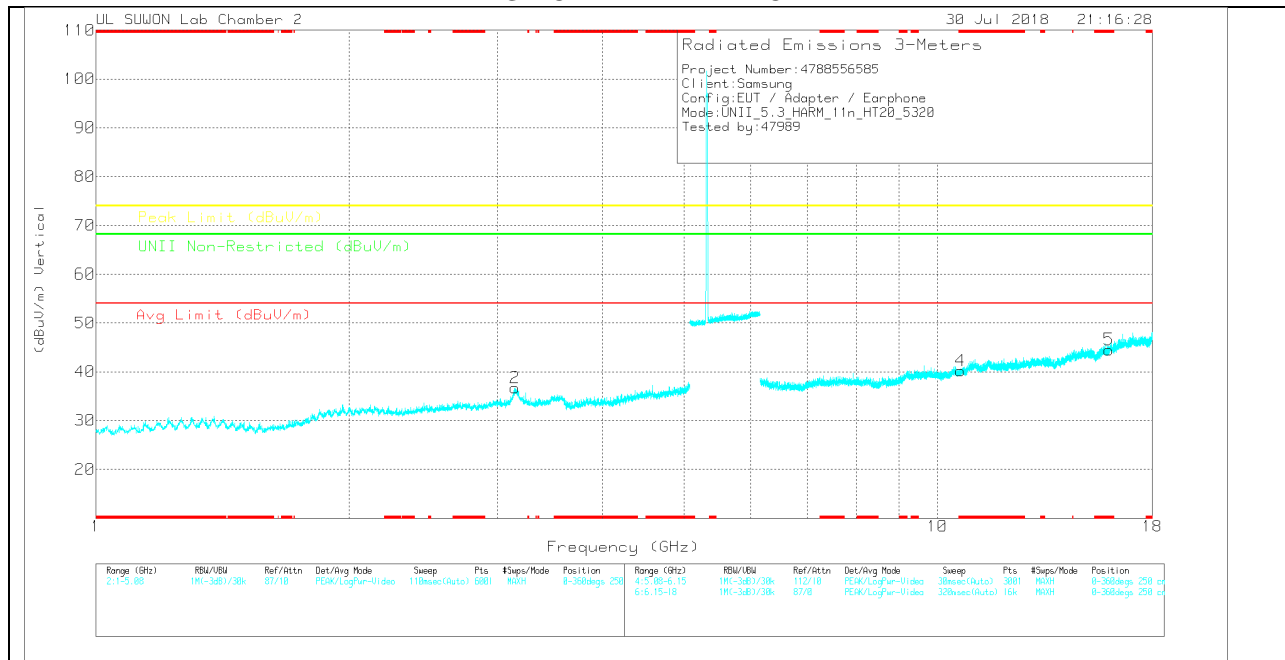
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(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	3.152	27.89	PK	34.8	-26.1	0	36.59	-	-	-	-	68.2	-31.61	0-360	250	H
2	3.149	28.11	PK	34.8	-26.2	0	36.71	-	-	-	-	68.2	-31.49	0-360	150	V
3	* 10.636	19.34	PK	37.7	-16.6	0	40.44	-	-	74	-33.56	-	-	0-360	150	H
6	* 15.955	18.75	PK	40.4	-14.4	0	44.75	-	-	74	-29.25	-	-	0-360	250	H
4	* 10.646	19.12	PK	37.7	-16.6	0	40.22	-	-	74	-33.78	-	-	0-360	250	V
5	* 15.977	18.53	PK	40.4	-14.4	0	44.53	-	-	74	-29.47	-	-	0-360	250	V

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

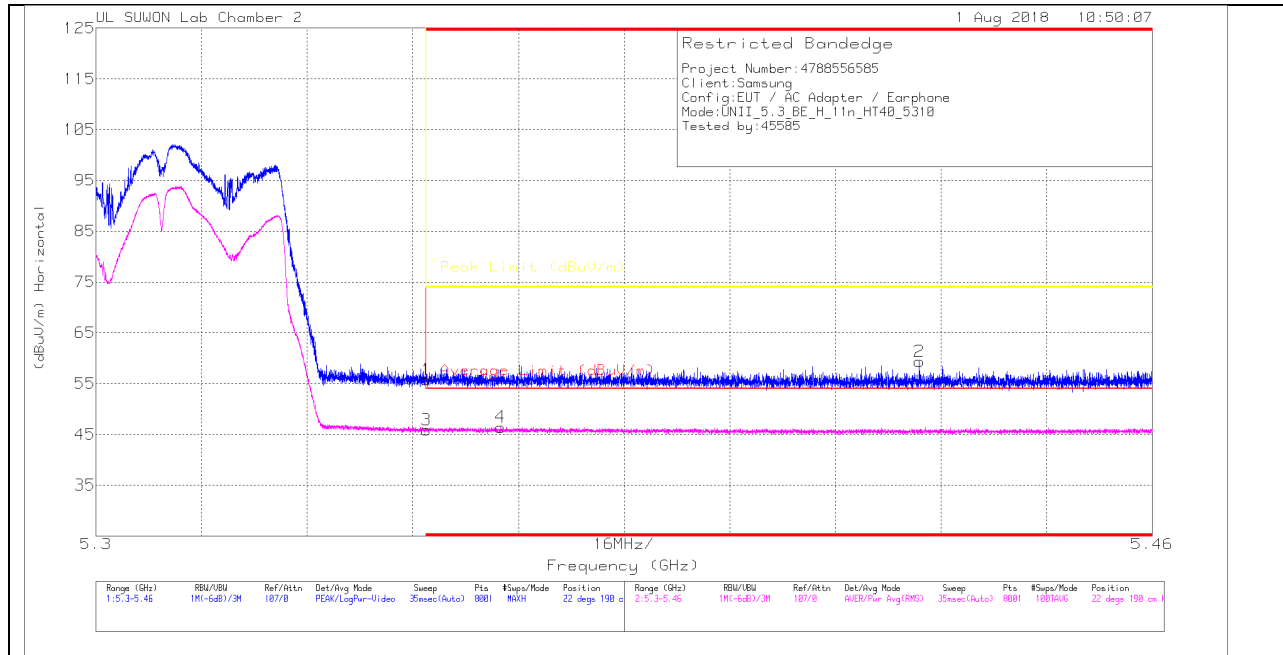
PK – Peak detector

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

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

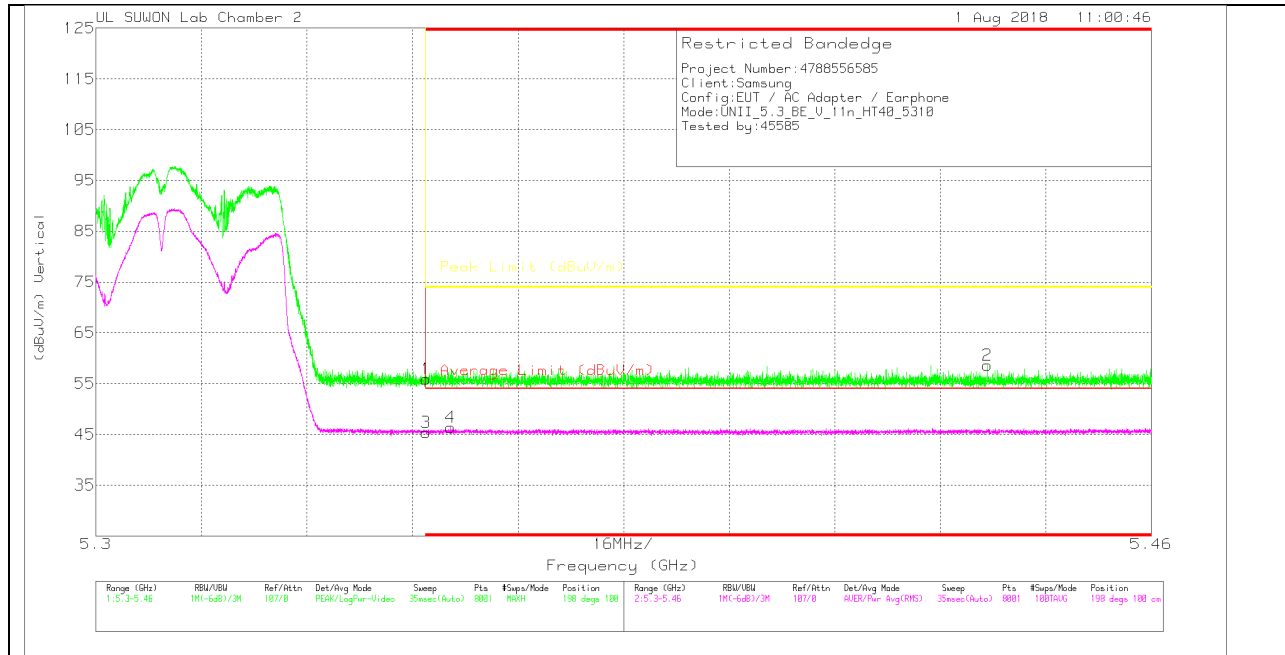
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.74	Pk		34.2	-15.2	55.74	-	-	74	-18.26	22	190	H
2	* 5.425	40.31	Pk		34.2	-15.1	59.41	-	-	74	-14.59	22	190	H
3	* 5.35	26.85	RMS		34.2	-15.2	45.85	54	-8.15	-	-	22	190	H
4	* 5.361	27.43	RMS		34.2	-15.2	46.43	54	-7.57	-	-	22	190	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	* 5.35	36.94	Pk	34.2	-15.2	0	55.94	-	-	74	-18.06	198	100	V
2	* 5.435	39.44	Pk	34.3	-15.1	0	58.64	-	-	74	-15.36	198	100	V
3	* 5.35	26.37	RMS	34.2	-15.2	0	45.37	54	-8.63	-	-	198	100	V
4	* 5.354	27.41	RMS	34.2	-15.2	0	46.41	54	-7.59	-	-	198	100	V

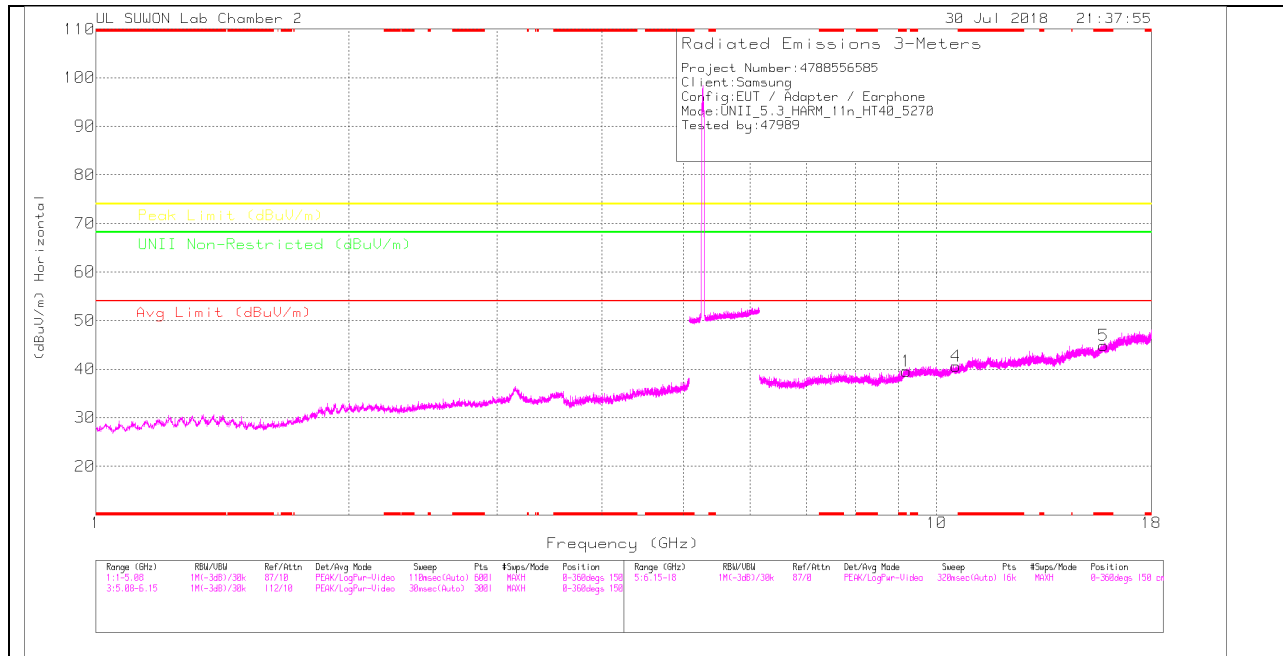
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

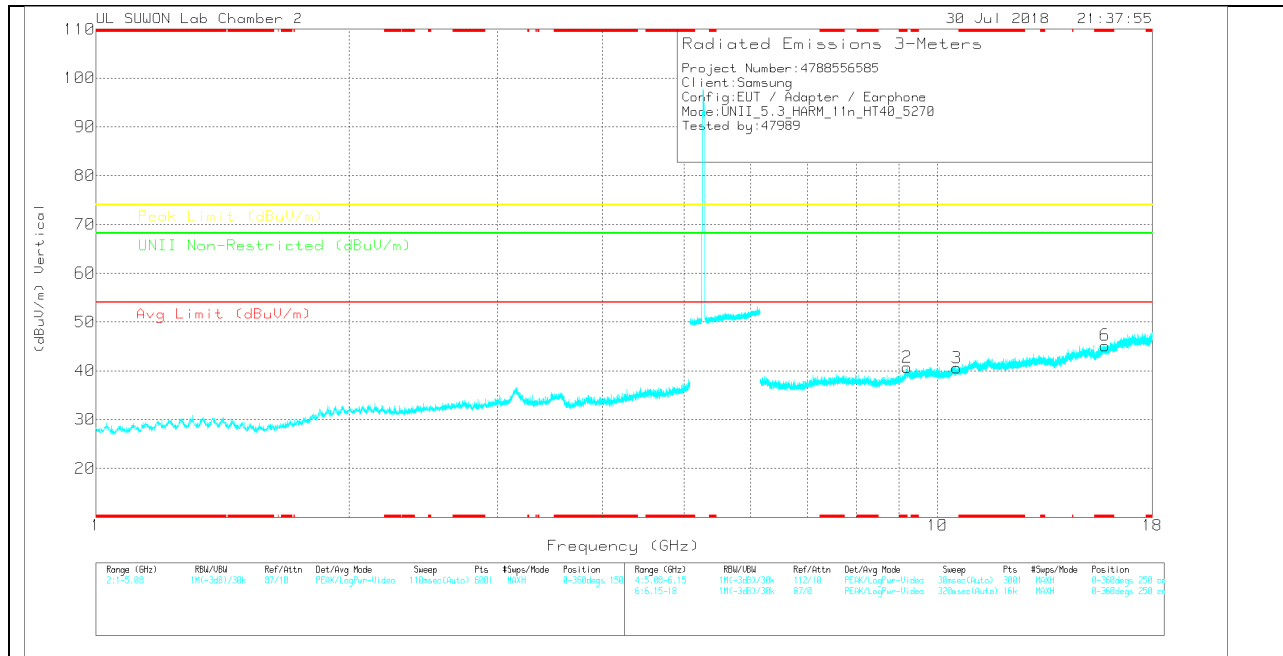
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

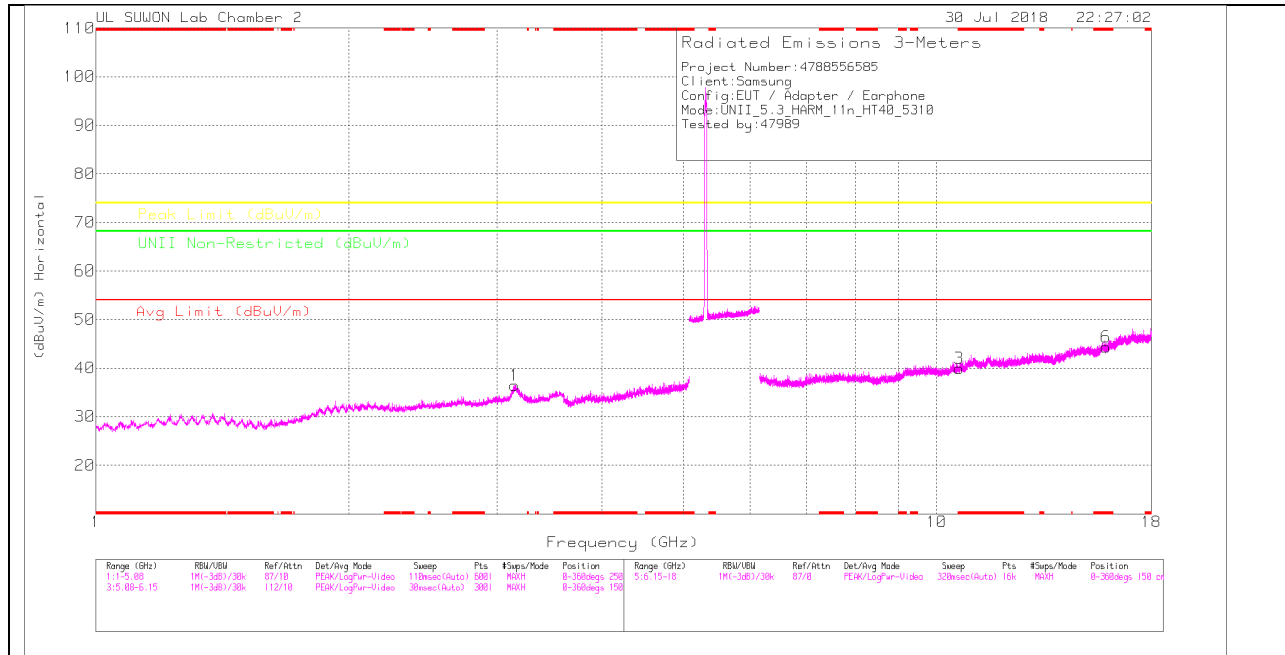
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	170531_3117003887_24	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.207	20.82	PK	36.4	-17.7	0	39.52	-	-	-	-	68.2	-28.68	0-360	150	H
4	10.537	19.6	PK	37.6	-16.6	0	40.6	-	-	-	-	68.2	-27.6	0-360	250	H
5	* 15.802	19.57	PK	40.1	-14.8	0	44.87	-	-	74	-29.13	-	-	0-360	150	H
2	9.206	21.96	PK	36.4	-17.6	0	40.76	-	-	-	-	68.2	-27.44	0-360	250	V
3	10.539	19.55	PK	37.6	-16.6	0	40.55	-	-	-	-	68.2	-27.65	0-360	250	V
6	* 15.811	19.78	PK	40.1	-14.7	0	45.18	-	-	74	-28.82	-	-	0-360	250	V

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

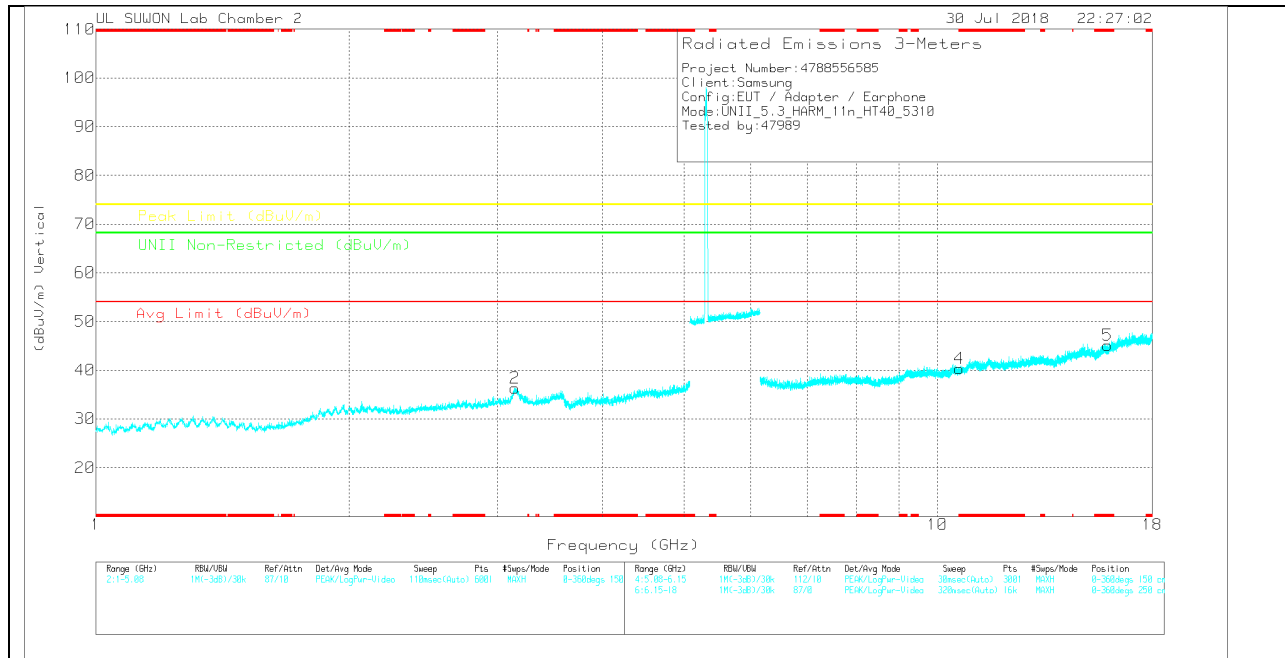
PK – Peak detector

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

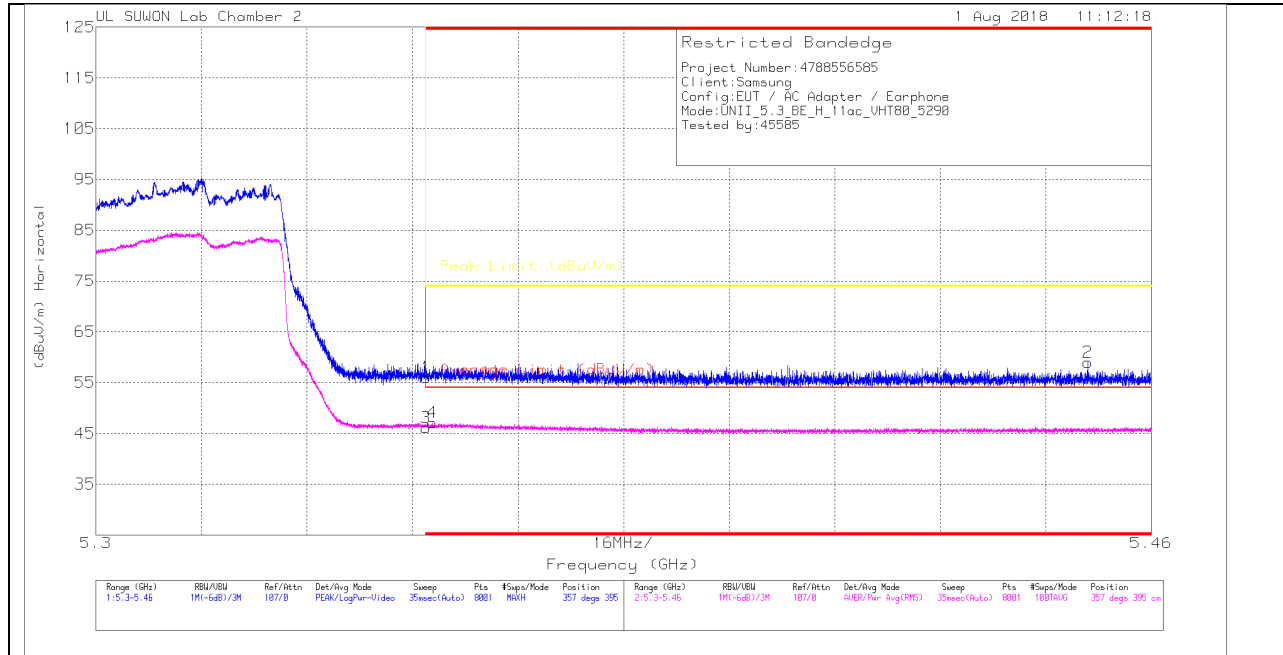
Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117001887 2d	SGHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit non-restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	3.147	27.84	PK	34.8	-26.2	0	36.44	-	-	-	-	68.2	-31.76	0-360	150	H
2	3.147	27.75	PK	34.8	-26.2	0	36.35	-	-	-	-	68.2	-31.85	0-360	250	V
3	* 10.631	18.99	PK	37.7	-16.7	0	39.99	-	-	74	-34.01	-	-	0-360	150	H
6	* 15.909	18.68	PK	40.3	-14.7	0	44.28	-	-	74	-29.72	-	-	0-360	150	H
4	* 10.62	19.44	PK	37.6	-16.7	0	40.34	-	-	74	-33.66	-	-	0-360	250	V
5	* 15.925	19.43	PK	40.3	-14.6	0	45.13	-	-	74	-28.87	-	-	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).

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

**RESTRICTED BANDEDGE (High CHANNEL)
 HORIZONTAL PEAK AND AVERAGE PLOT**



HORIZONTAL DATA

Trace Markers

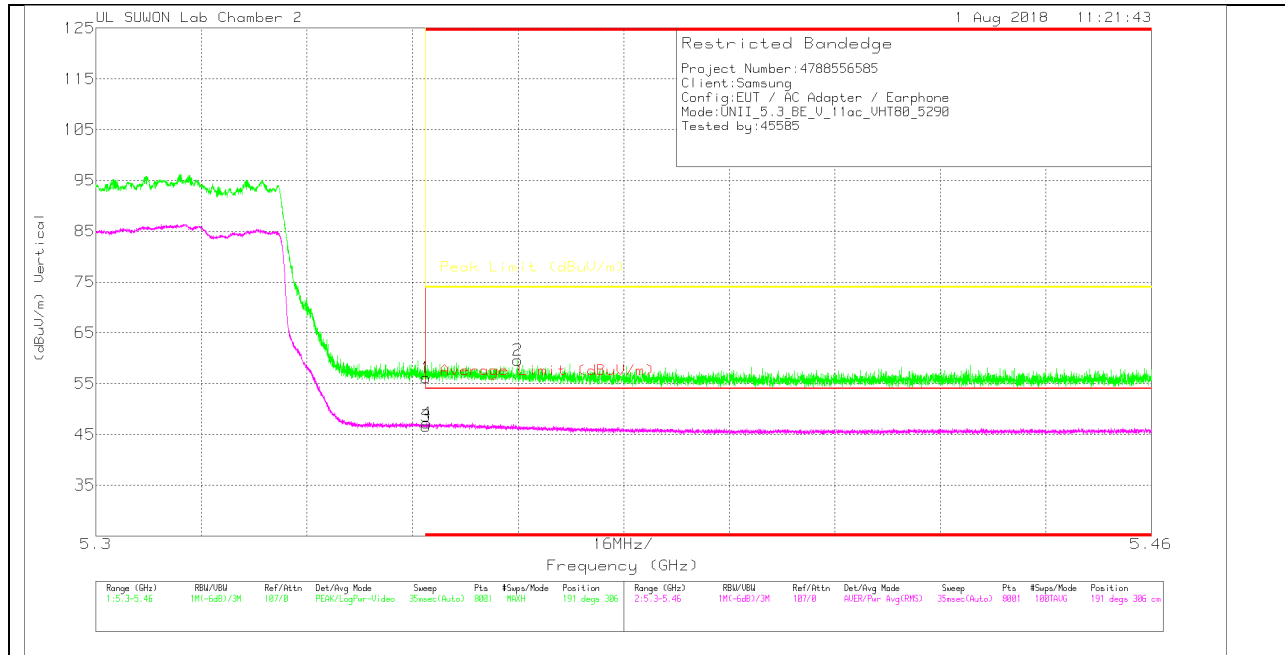
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.96	Pk		-15.2	0	55.96	-	-	74	-18.04	357	395	H
2	* 5.45	39.8	Pk		-15.1	0	59	-	-	74	-15	357	395	H
3	* 5.35	27.15	RMS		-15.2	0	46.15	54	-7.85	-	-	357	395	H
4	* 5.351	28.12	RMS		-15.2	0	47.12	54	-6.88	-	-	357	395	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	* 5.35	37.18	Pk	34.2	-15.2	0	56.18	-	-	74	-17.82	191	306	V
2	* 5.364	40.57	Pk	34.2	-15.2	0	59.57	-	-	74	-14.43	191	306	V
3	* 5.35	27.61	RMS	34.2	-15.2	0	46.61	54	-7.39	-	-	191	306	V
4	* 5.35	28.24	RMS	34.2	-15.2	0	47.24	54	-6.76	-	-	191	306	V

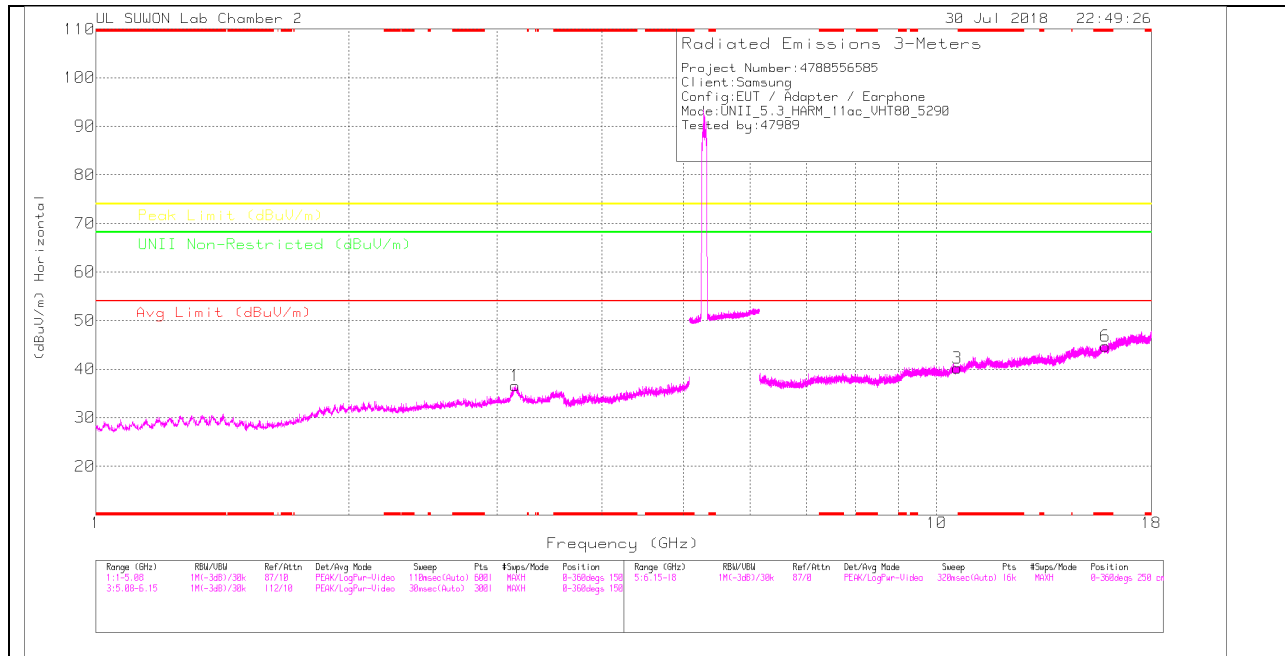
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

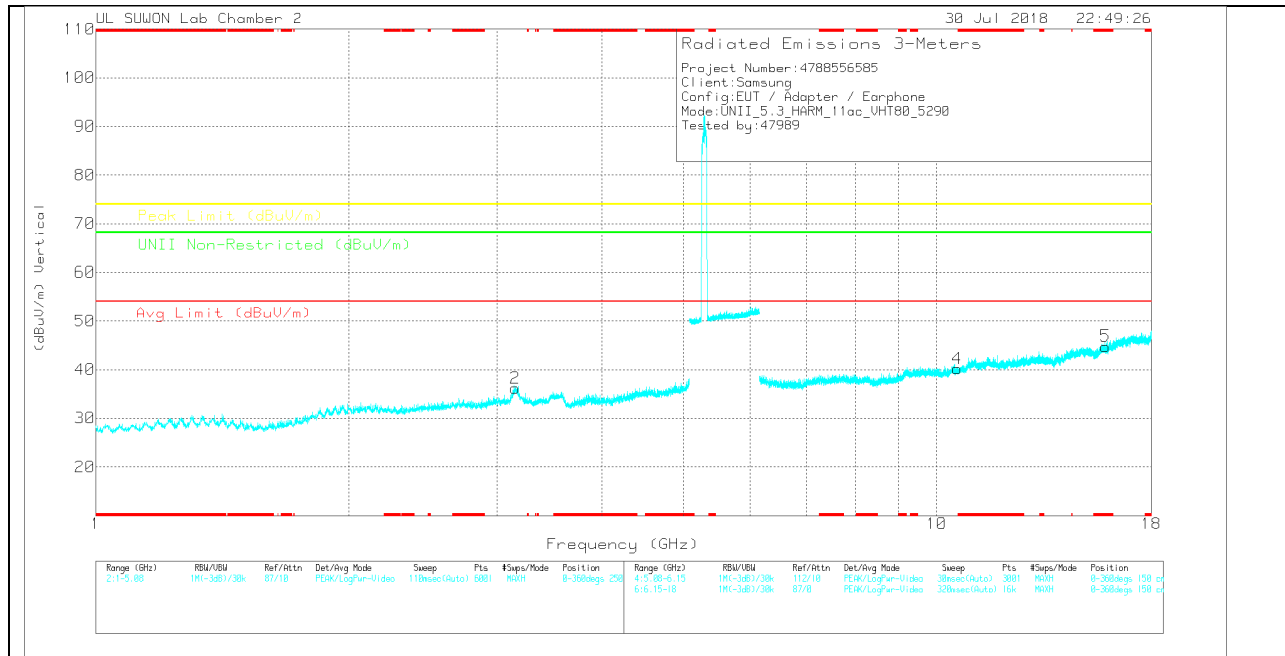
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(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	3.152	27.73	PK	34.9	-26.1	0	36.53	-	-	-	-	68.2	-31.67	0-360	250	H
2	3.155	27.44	PK	34.8	-26	0	36.24	-	-	-	-	68.2	-31.96	0-360	250	V
3	10.587	19.15	PK	37.6	-16.5	0	40.25	-	-	-	-	68.2	-27.95	0-360	250	H
6	* 15.882	19.32	PK	40.2	-14.8	0	44.72	-	-	74	-29.28	-	-	0-360	250	H
4	10.585	19.07	PK	37.6	-16.5	0	40.17	-	-	-	-	68.2	-28.03	0-360	250	V
5	* 15.878	19.29	PK	40.2	-14.7	0	44.79	-	-	74	-29.21	-	-	0-360	250	V

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

PK – Peak detector

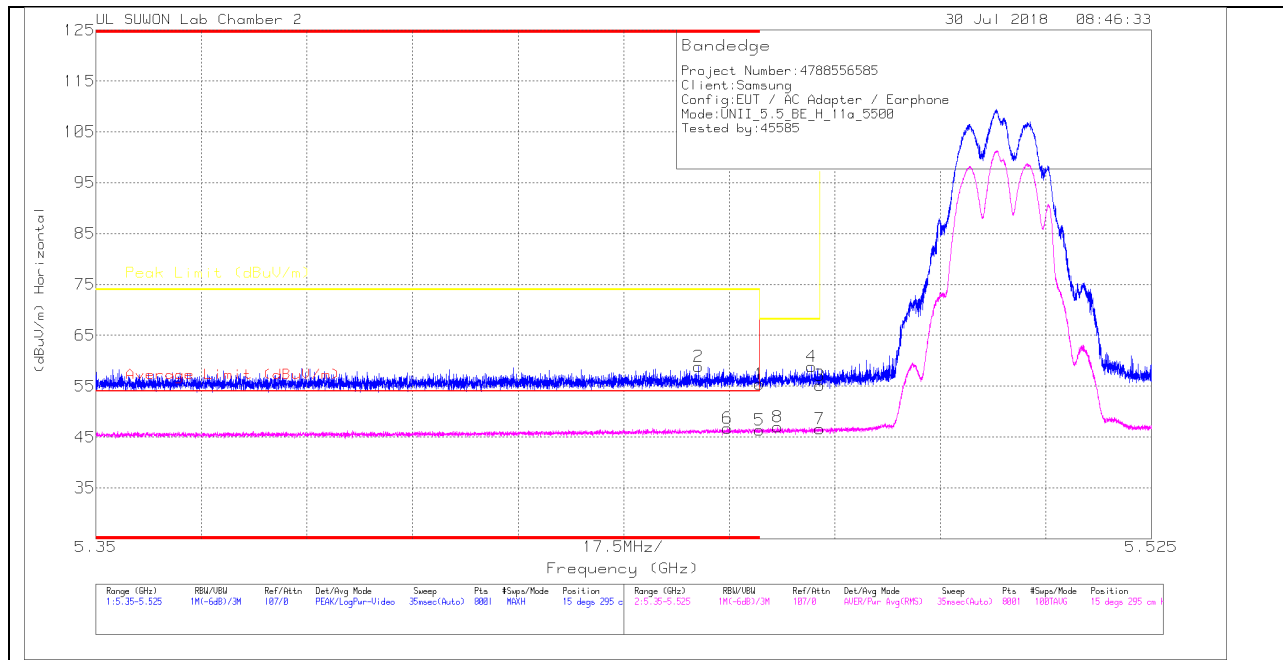
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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 PLOT



HORIZONTAL DATA

Trace Markers

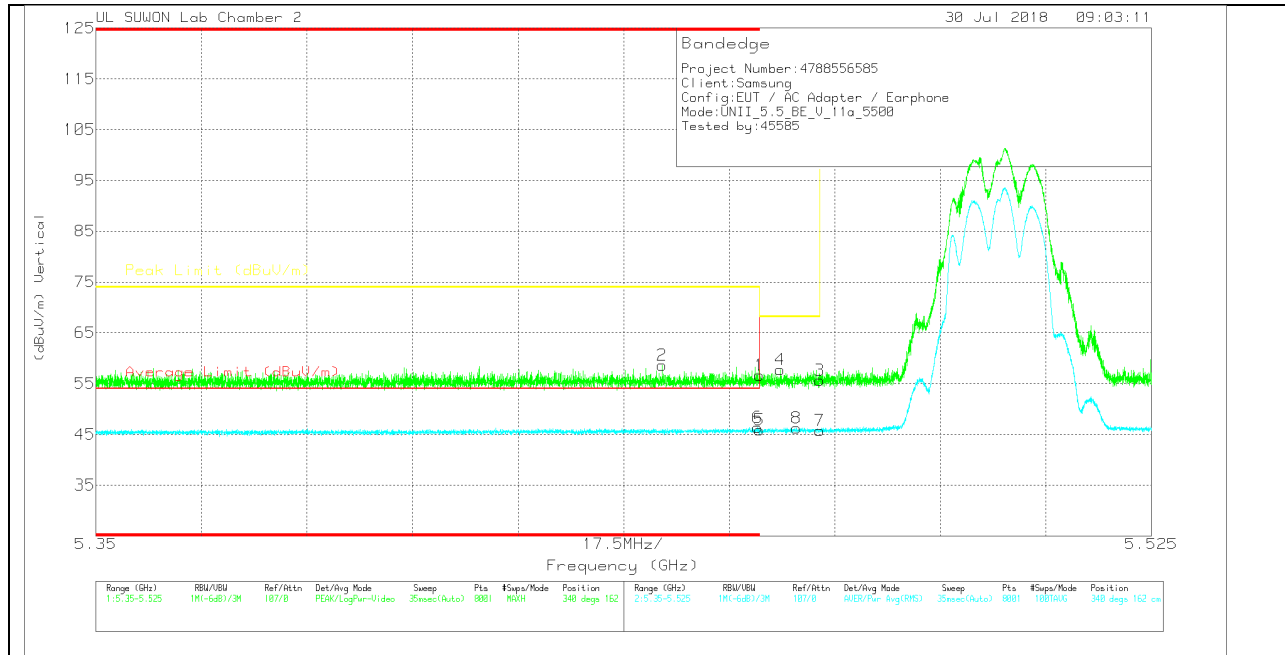
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.12	Pk	34.3	-15	0	55.42	-	-	74	-18.58	15	295	H
2	* 5.45	39.68	Pk	34.3	-15.1	0	58.88	-	-	74	-15.12	15	295	H
3	5.47	35.88	Pk	34.3	-15	0	55.18	-	-	68.2	-13.02	15	295	H
4	5.469	39.55	Pk	34.3	-15	0	58.85	-	-	68.2	-9.35	15	295	H
5	* 5.46	27.02	RMS	34.3	-15	0	46.32	54	-7.68	-	-	15	295	H
6	* 5.455	27.57	RMS	34.3	-15.1	0	46.77	54	-7.23	-	-	15	295	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

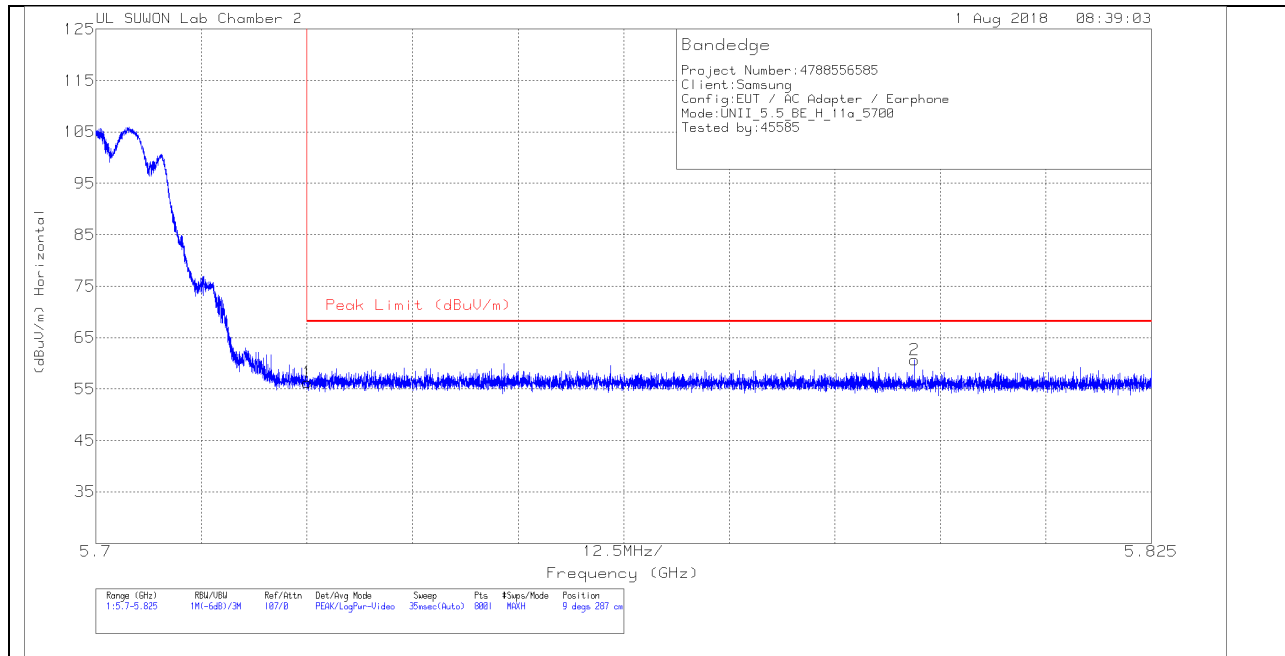
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	37.37	Pk	34.3	-15	0	56.67	-	-	74	-17.33	340	162	V
2	* 5.444	39.37	Pk	34.3	-15.1	0	58.57	-	-	74	-15.43	340	162	V
3	5.47	36.34	Pk	34.3	-15	0	55.64	-	-	68.2	-12.56	340	162	V
4	5.463	38.58	Pk	34.3	-15.1	0	57.78	-	-	68.2	-10.42	340	162	V
5	* 5.46	26.61	RMS	34.3	-15	0	45.91	54	-8.09	-	-	340	162	V
6	* 5.46	27.06	RMS	34.3	-15	0	46.36	54	-7.64	-	-	340	162	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 PLOT



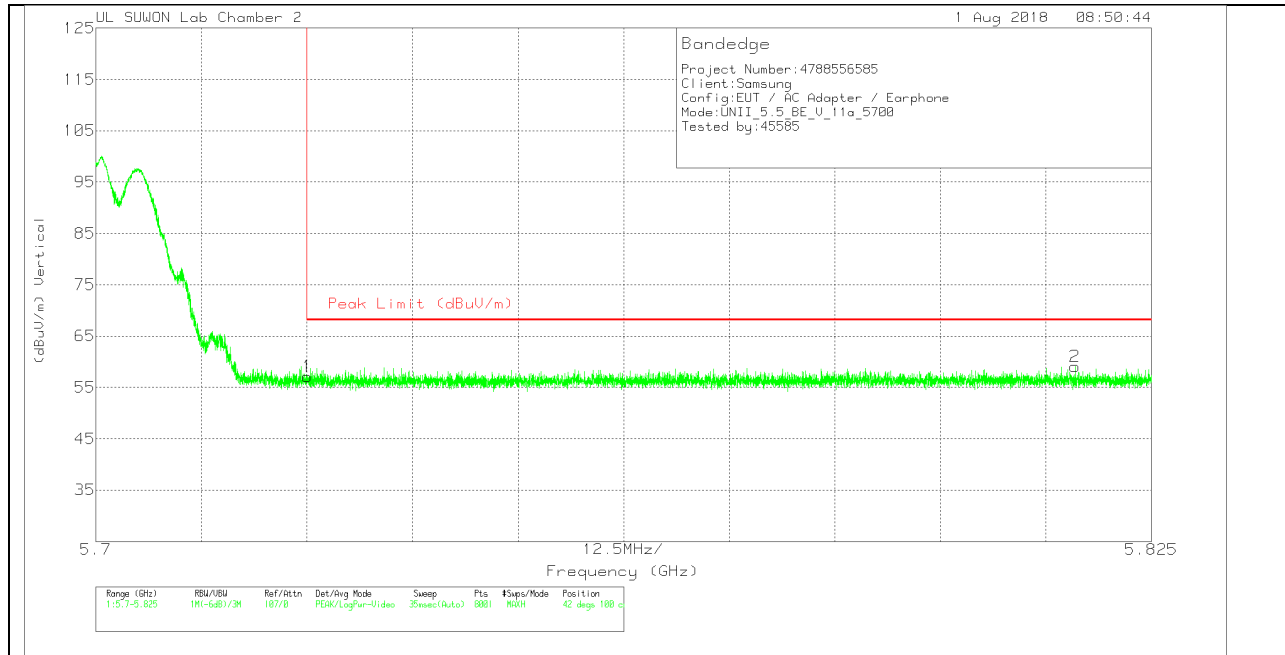
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[001687 24]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.34	Pk	34.4	-14.5	0	56.24	68.2	-11.96	9	287	H
2	5.797	40.6	Pk	34.5	-14.4	0	60.7	68.2	-7.5	9	287	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

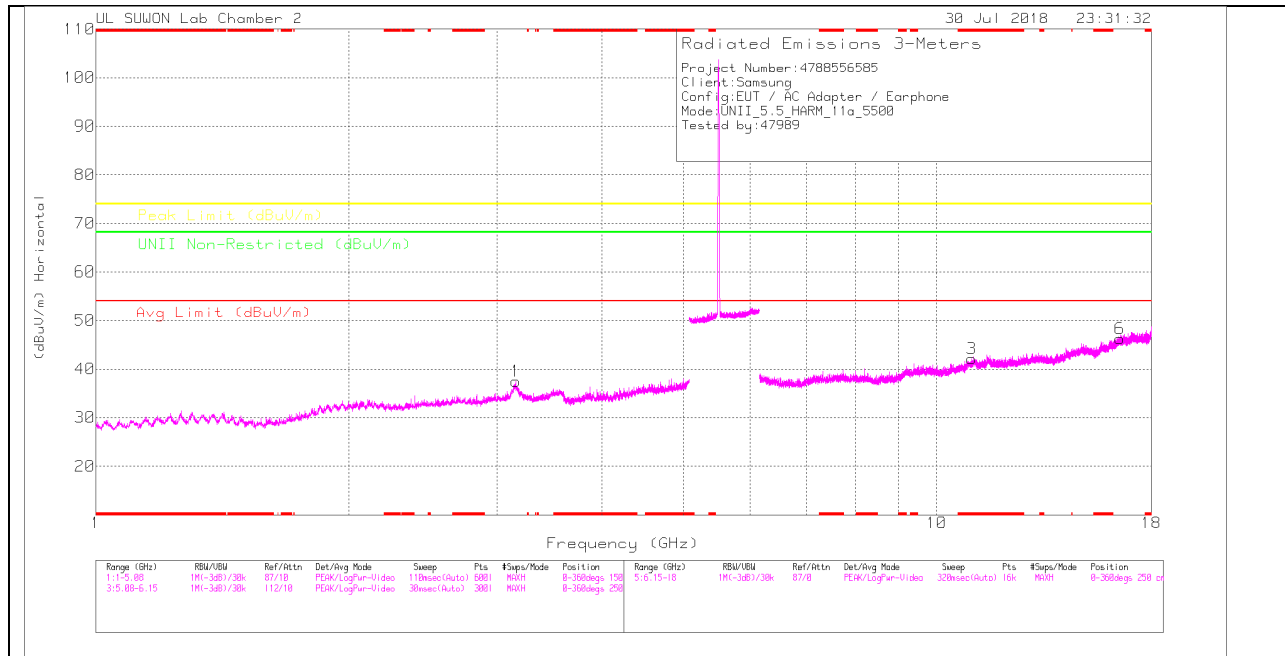
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[001687 24]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.27	Pk		-14.5	0	57.17	68.2	-11.03	42	100	V
2	5.816	38.95	Pk		-14.4	0	59.05	68.2	-9.15	42	100	V

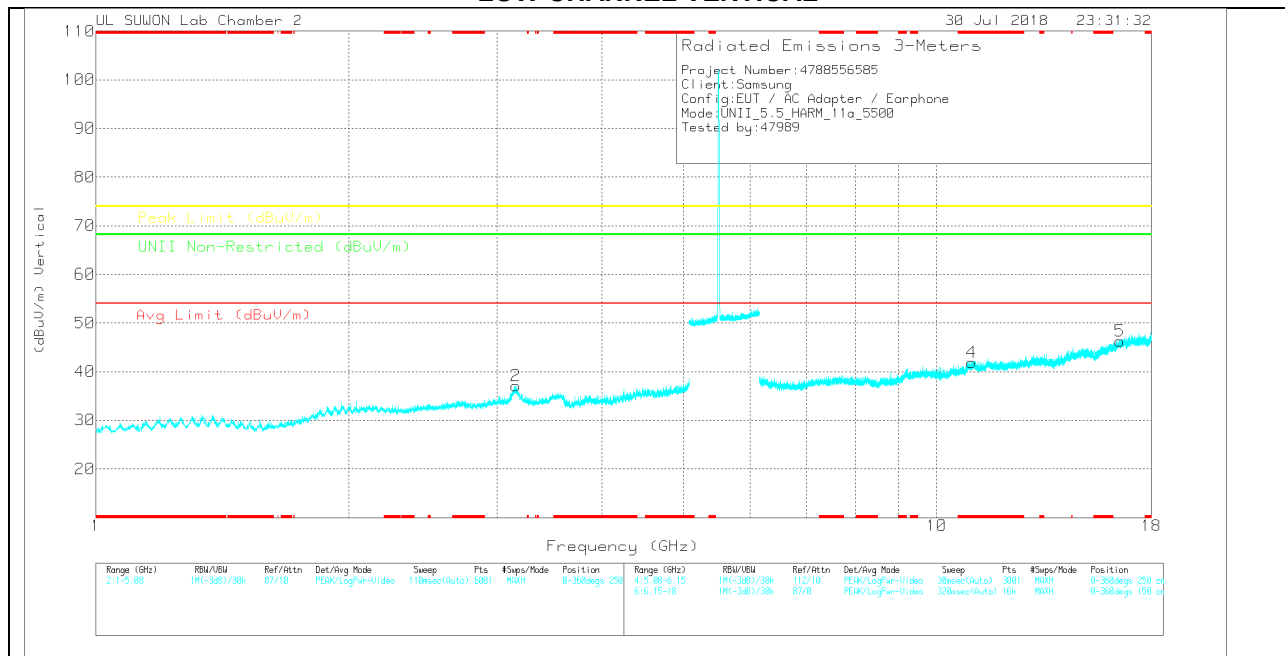
Pk - Peak detector

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

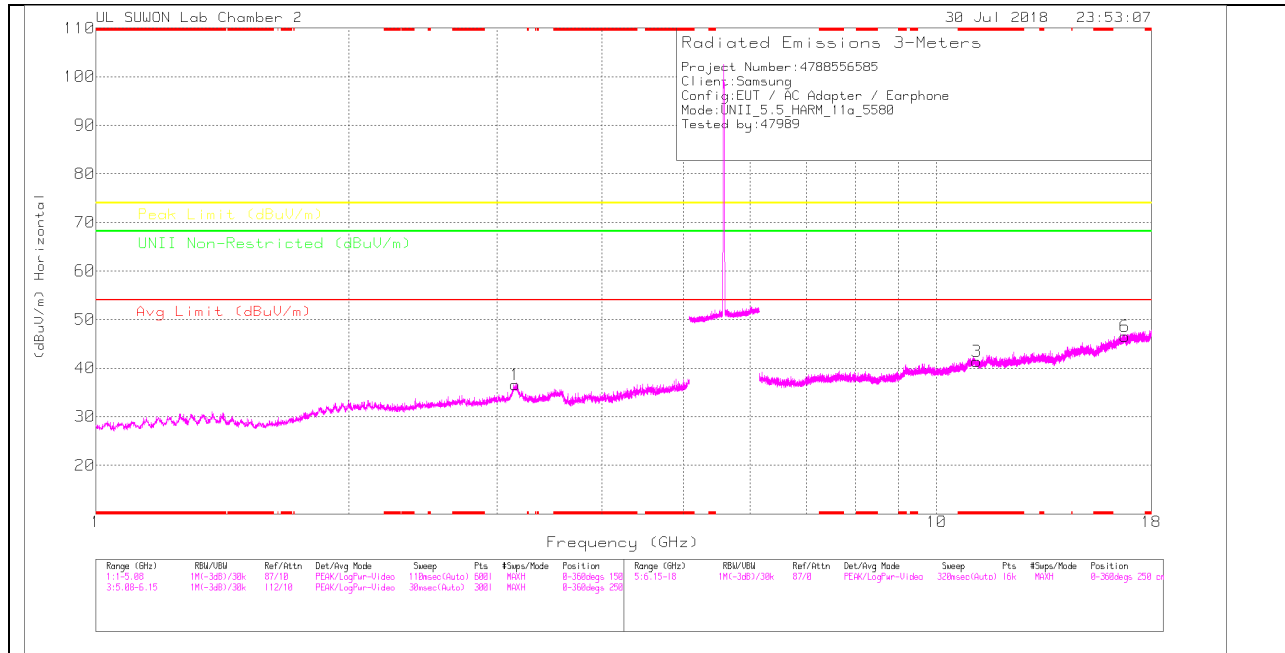
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117001887 24	SGHz_LF(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)	Polariz
1	3.156	28.76	PK	34.7	-26	0	37.46	-	-	-	-	68.2	-30.74	0-360	150	H
2	3.159	28.51	PK	34.6	-26	0	37.11	-	-	-	-	68.2	-31.09	0-360	150	V
3	* 11.005	20.09	PK	38	-16	0	42.09	-	-	74	-31.91	-	-	0-360	150	H
6	16.51	20.01	PK	40.7	-14.4	0	46.31	-	-	-	-	68.2	-21.89	0-360	150	H
4	* 11.008	19.99	PK	38	-16.1	0	41.89	-	-	74	-32.11	-	-	0-360	250	V
5	16.514	19.97	PK	40.7	-14.4	0	46.27	-	-	-	-	68.2	-21.93	0-360	250	V

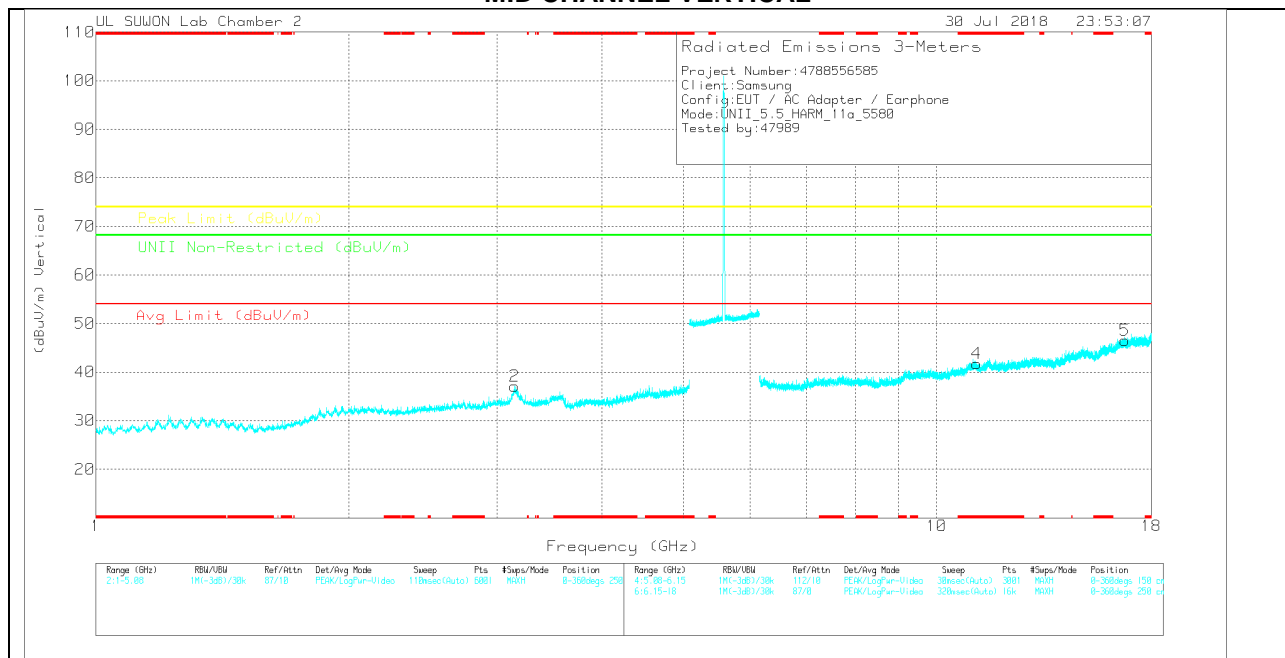
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

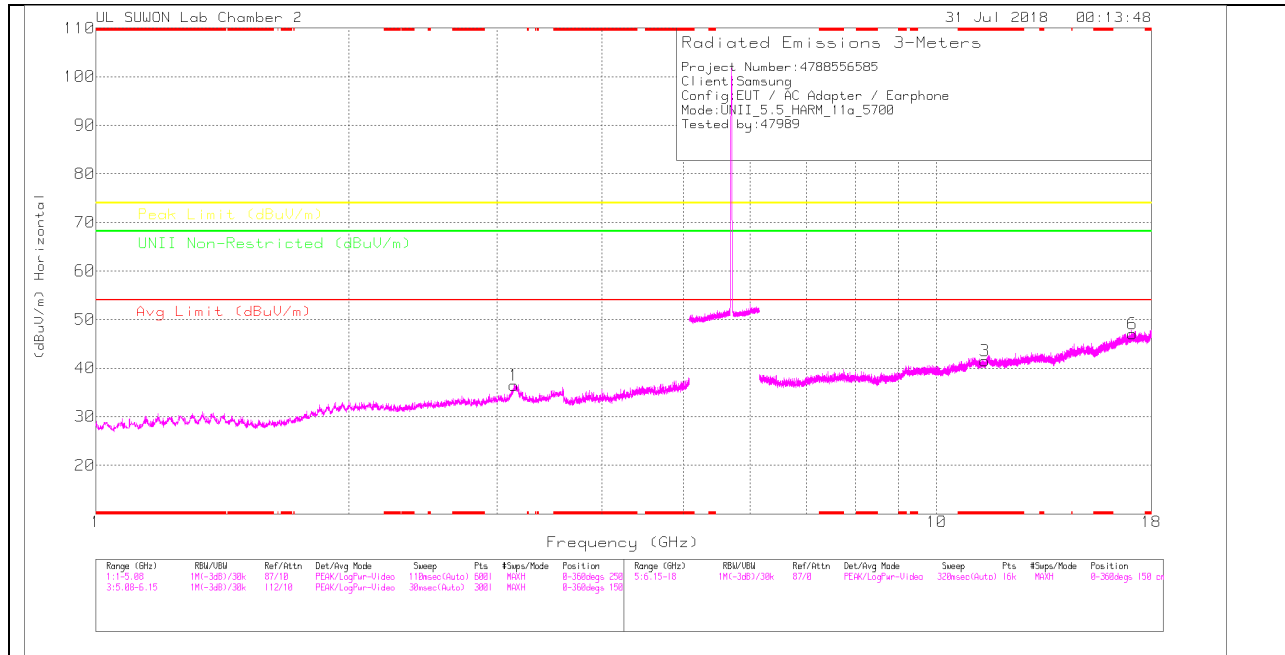
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117001887 2d	SGHz_LF(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	3.151	27.79	PK	34.9	-26.1	0	36.59	-	-	-	-	68.2	-31.61	0-360	150	H
2	3.148	28.45	PK	34.8	-26.2	0	37.05	-	-	-	-	68.2	-31.15	0-360	250	V
3	* 11.149	19.71	PK	37.9	-16.2	0	41.41	-	-	74	-32.59	-	-	0-360	250	H
6	16.743	19.28	PK	40.9	-13.6	0	46.58	-	-	-	-	68.2	-21.62	0-360	150	H
4	* 11.151	20.03	PK	37.9	-16.2	0	41.73	-	-	74	-32.27	-	-	0-360	150	V
5	16.748	19.28	PK	40.9	-13.6	0	46.58	-	-	-	-	68.2	-21.62	0-360	250	V

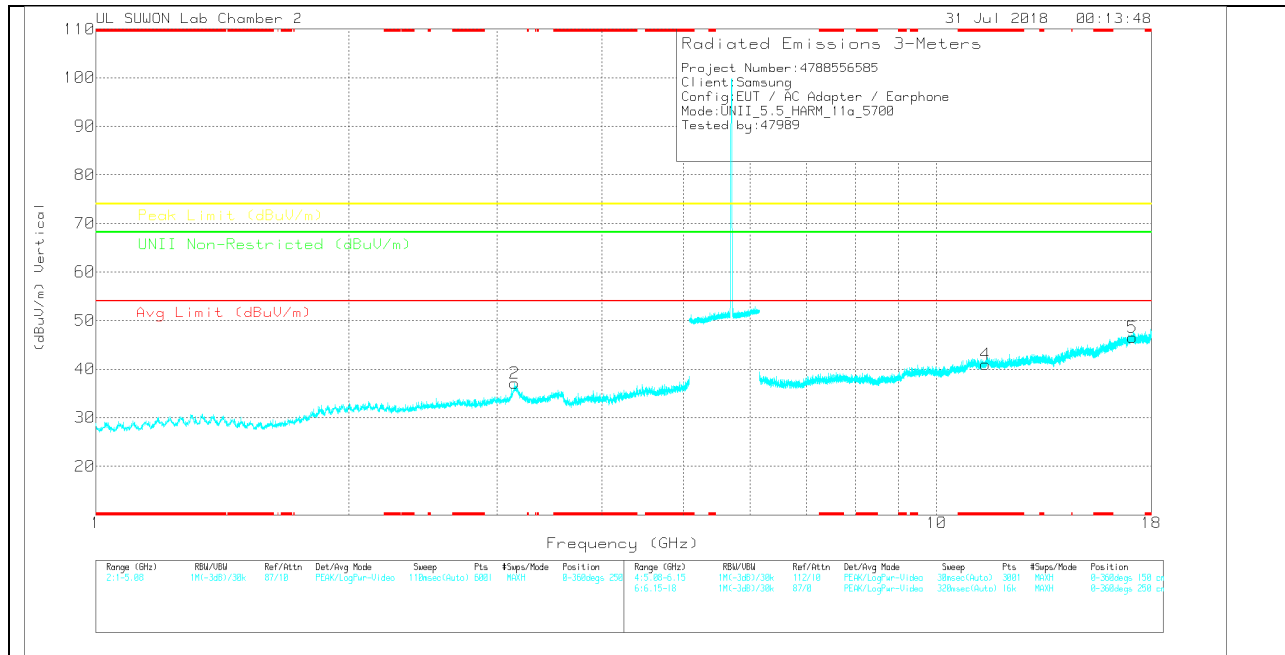
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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	170531_3117001687 24)	5GHz_LF(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	3.141	28.28	PK	34.5	-26.3	0	36.48	-	-	-	-	68.2	-31.72	0-360	250	H
2	3.15	28.34	PK	34.9	-26.1	0	37.14	-	-	-	-	68.2	-31.06	0-360	150	V
3	* 11.404	19.1	PK	38.1	-15.7	0	41.5	-	-	74	-32.5	-	-	0-360	150	H
6	17.101	19.26	PK	41.3	-13.5	0	47.06	-	-	-	-	68.2	-21.14	0-360	150	H
4	* 11.429	18.73	PK	38.1	-15.9	0	40.93	-	-	74	-33.07	-	-	0-360	150	V
5	17.098	18.77	PK	41.3	-13.5	0	46.57	-	-	-	-	68.2	-21.63	0-360	150	V

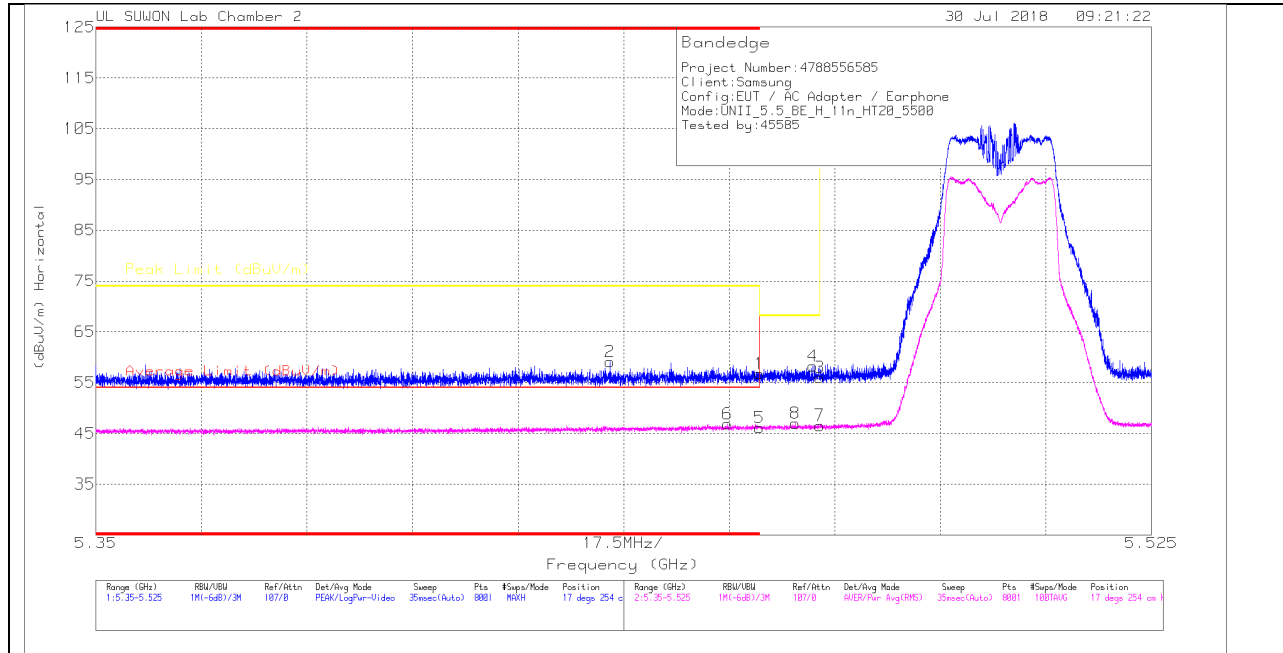
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak detector

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

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

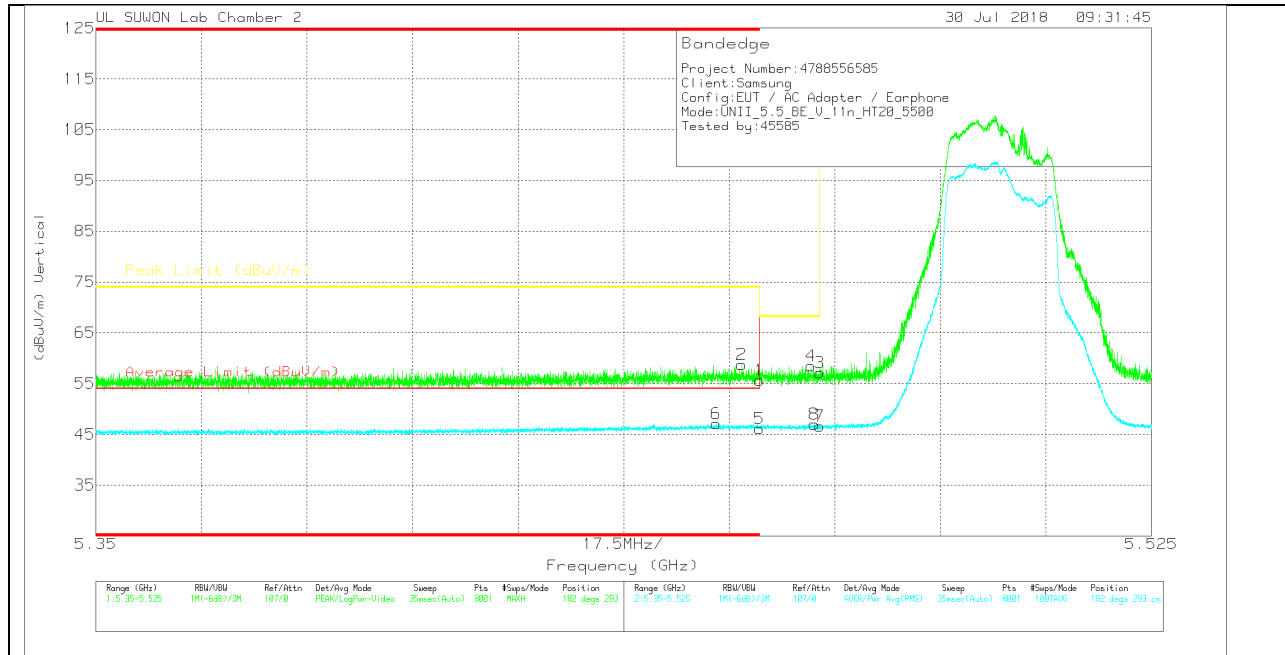
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.41	Pk	34.3	-15	0	56.71	-	-	74	-17.29	17	254	H
2	* 5.435	39.96	Pk	34.3	-15.1	0	59.16	-	-	74	-14.84	17	254	H
3	5.47	36.69	Pk	34.3	-15	0	55.99	-	-	68.2	-12.21	17	254	H
4	5.469	38.99	Pk	34.3	-15	0	58.29	-	-	68.2	-9.91	17	254	H
5	* 5.46	26.82	RMS	34.3	-15	0	46.12	54	-7.88	-	-	17	254	H
6	* 5.455	27.64	RMS	34.3	-15.1	0	46.84	54	-7.16	-	-	17	254	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

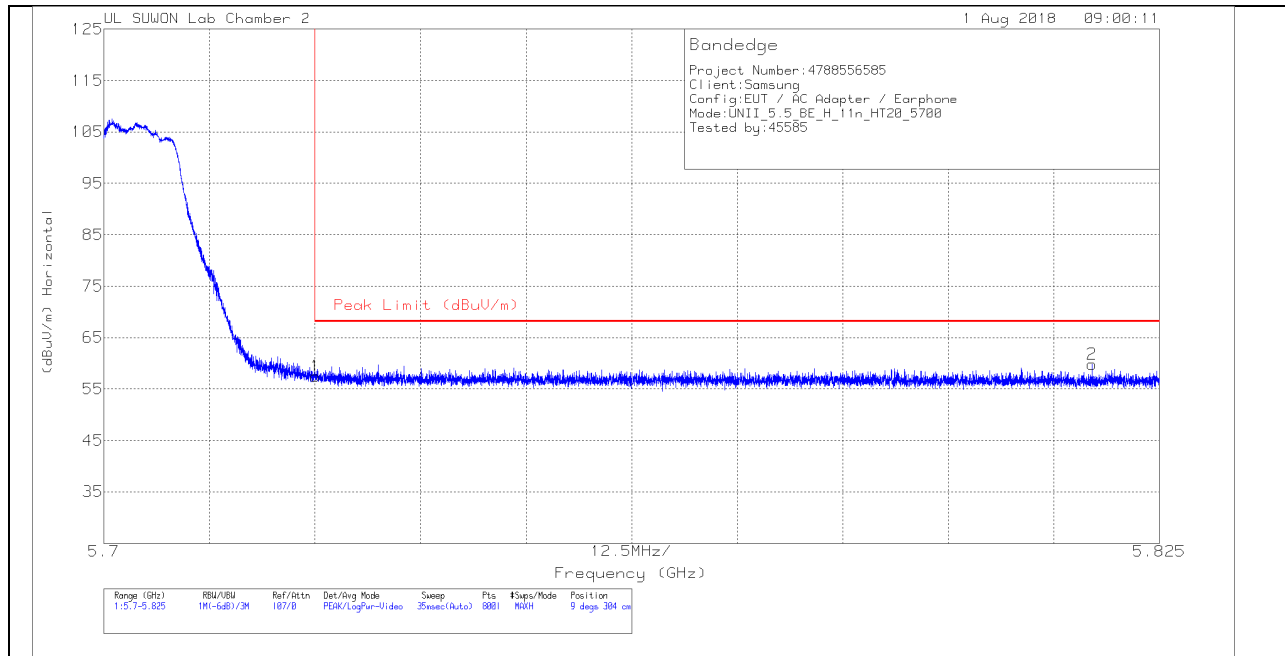
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	36.4	Pk	34.3	-15	0	55.7	-	-	74	-18.3	182	293	V
2	* 5.457	39.51	Pk	34.3	-15.1	0	58.71	-	-	74	-15.29	182	293	V
3	5.47	37.8	Pk	34.3	-15	0	57.1	-	-	68.2	-11.1	182	293	V
4	5.469	39.16	Pk	34.3	-15	0	58.46	-	-	68.2	-9.74	182	293	V
5	* 5.46	26.83	RMS	34.3	-15	0	46.13	54	-7.87	-	-	182	293	V
6	* 5.453	27.95	RMS	34.3	-15.1	0	47.15	54	-6.85	-	-	182	293	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 PLOT



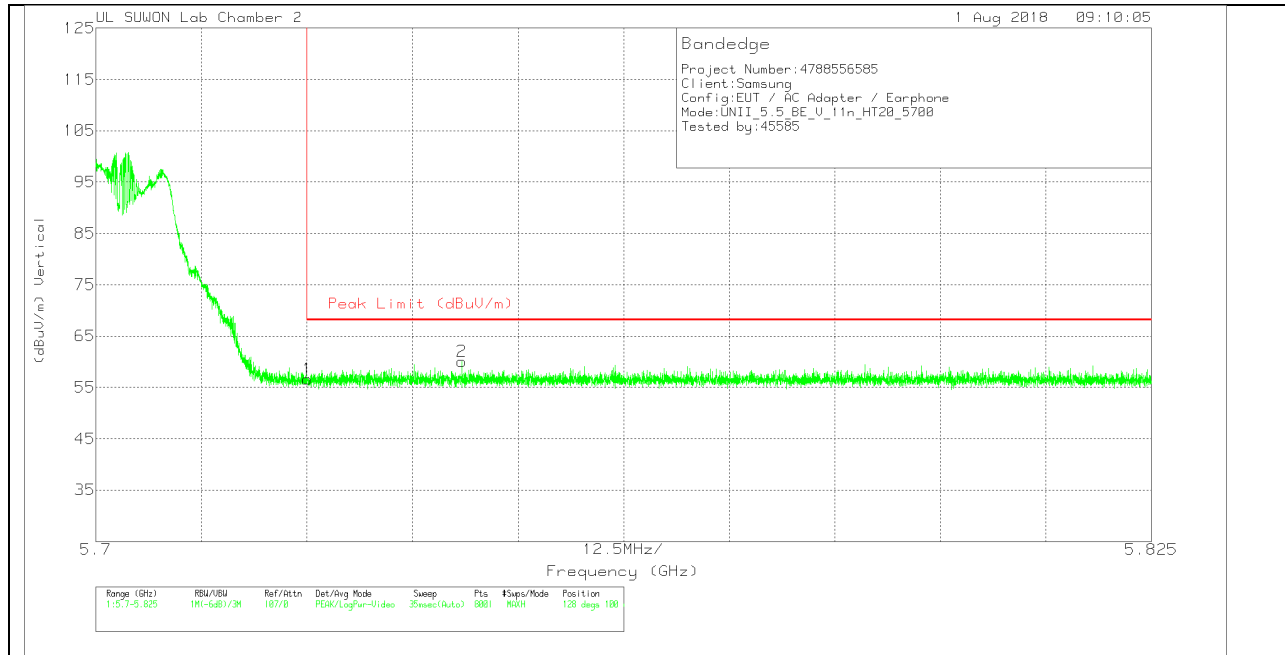
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[001687 24]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.61	Pk	34.4	-14.5	0	57.51	68.2	-10.69	9	304	H
2	5.817	39.77	Pk	34.5	-14.4	0	59.87	68.2	-8.33	9	304	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

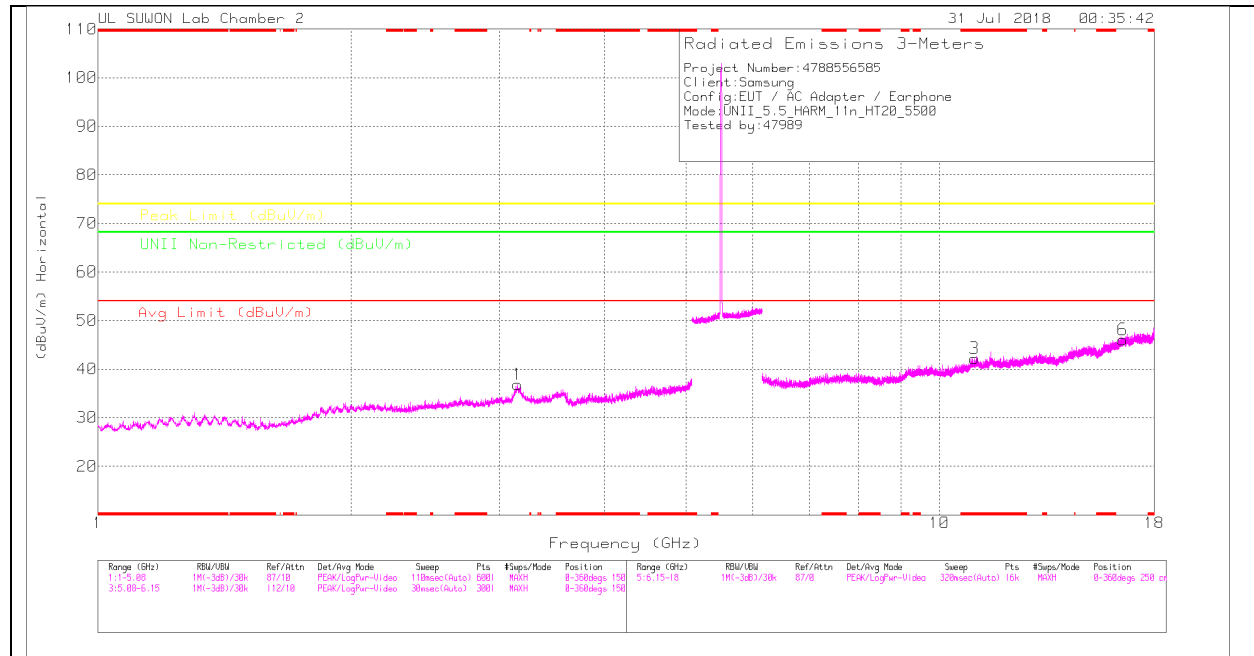
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[001687 24]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.71	Pk	34.4	-14.5	0	56.61	68.2	-11.59	128	100	V
2	5.743	40.08	Pk	34.4	-14.4	0	60.08	68.2	-8.12	128	100	V

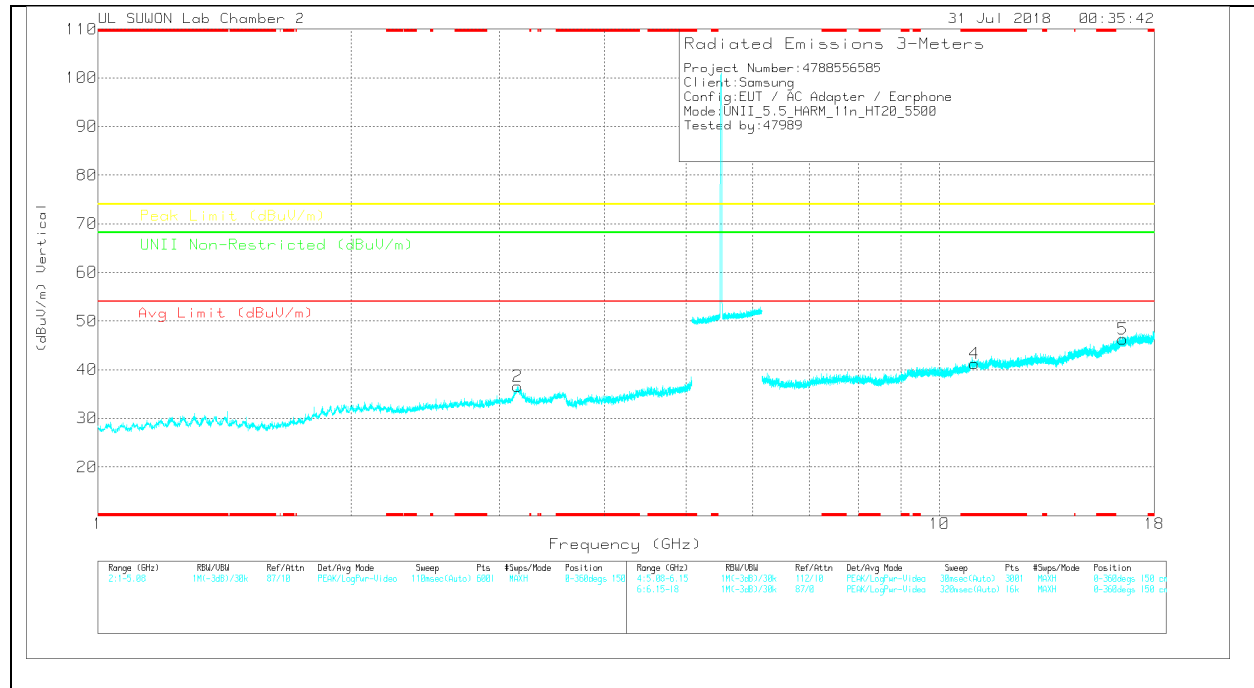
Pk - Peak detector

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

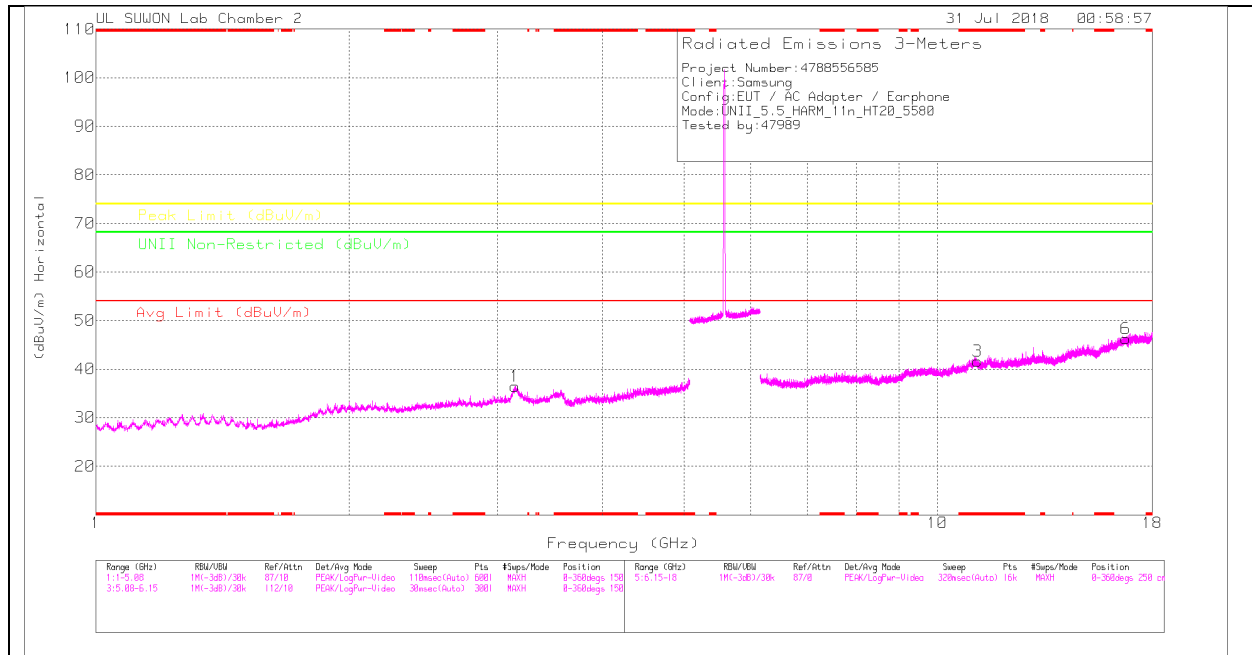
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(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	3.154	28	PK	34.8	-26	0	36.8	-	-	-	-	68.2	-31.4	0-360	250	H
2	3.154	27.74	PK	34.8	-26	0	36.54	-	-	-	-	68.2	-31.66	0-360	250	V
3	* 11.006	20.2	PK	38	-16	0	42.2	-	-	74	-31.8	-	-	0-360	250	H
6	16.519	19.68	PK	40.7	-14.3	0	46.08	-	-	-	-	68.2	-22.12	0-360	150	H
4	* 11.01	19.29	PK	38	-16.1	0	41.19	-	-	74	-32.81	-	-	0-360	150	V
5	16.503	19.93	PK	40.7	-14.4	0	46.23	-	-	-	-	68.2	-21.97	0-360	250	V

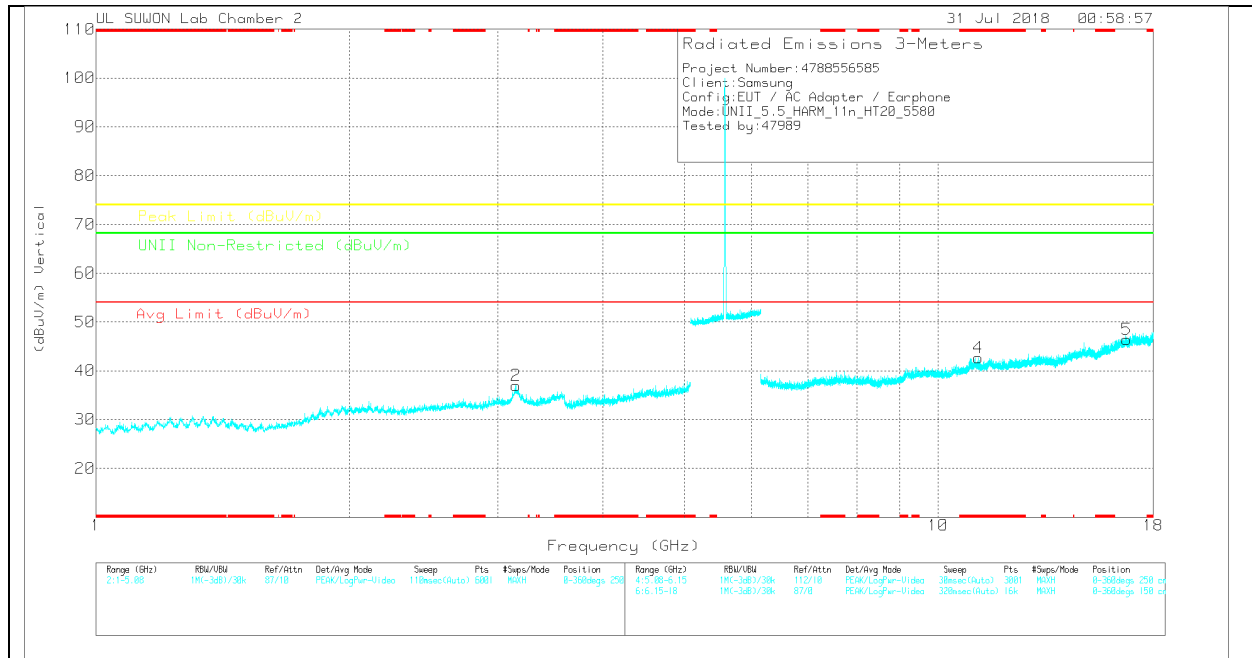
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

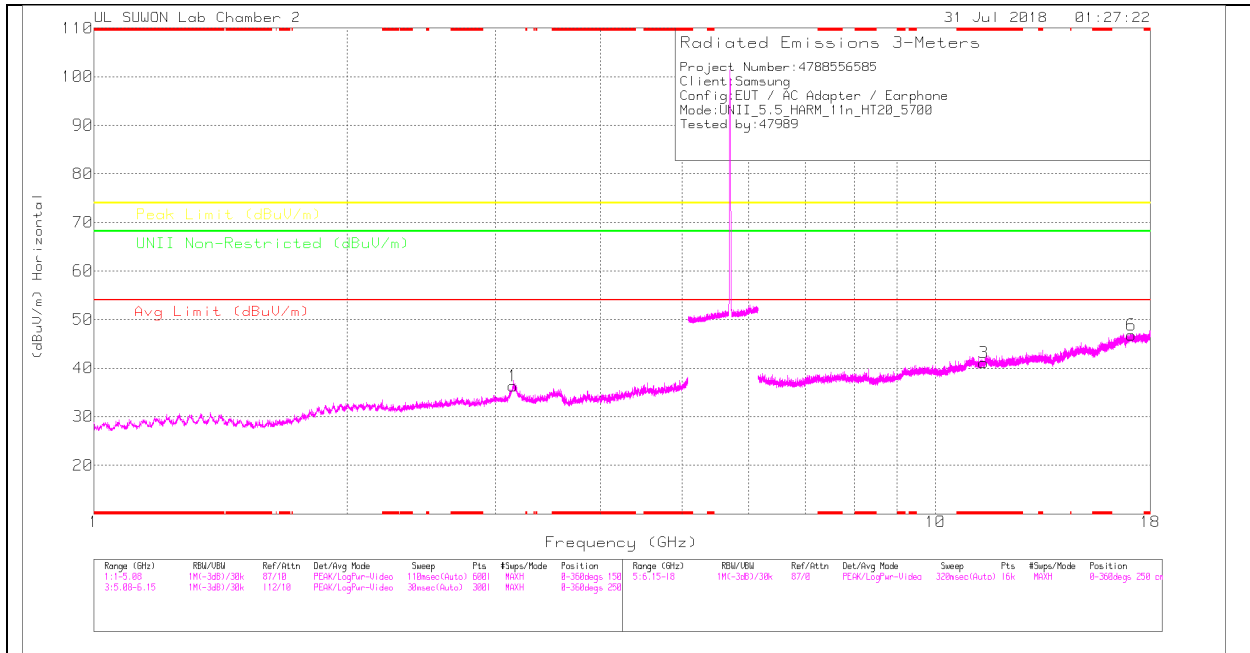
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117001887 2d	SGHz_LF(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	3.149	27.84	PK	34.8	-26.2	0	36.44	-	-	-	-	68.2	-31.76	0-360	150	H
2	3.153	28.12	PK	34.8	-26	0	36.92	-	-	-	-	68.2	-31.28	0-360	150	V
3	* 11.162	19.94	PK	37.9	-16.2	0	41.64	-	-	74	-32.36	-	-	0-360	150	H
6	16.739	19.16	PK	40.9	-13.8	0	46.26	-	-	-	-	68.2	-21.94	0-360	250	H
4	* 11.163	20.94	PK	37.9	-16.2	0	42.64	-	-	74	-31.36	-	-	0-360	150	V
5	16.74	19.29	PK	40.9	-13.8	0	46.39	-	-	-	-	68.2	-21.81	0-360	250	V

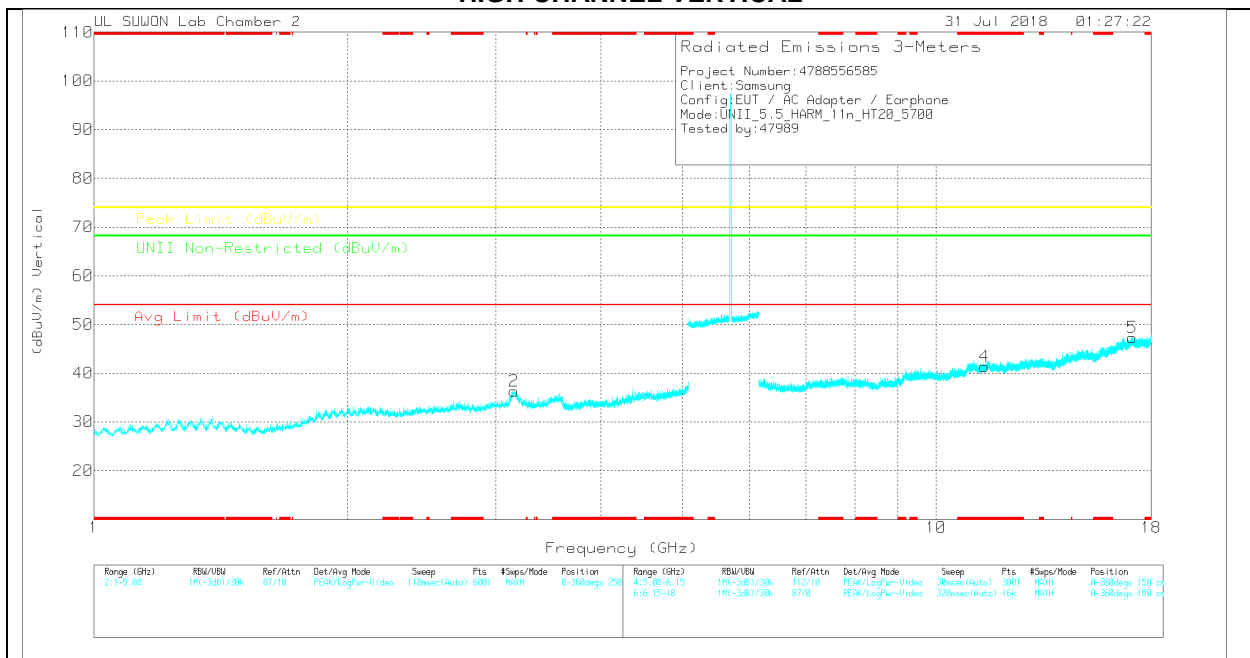
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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	170531_3117001687 24)	5GHz_LF(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	3.149	27.7	PK	34.8	-26.2	0	36.3	-	-	-	-	68.2	-31.9	0-360	250	H
2	3.152	27.63	PK	34.8	-26.1	0	36.33	-	-	-	-	68.2	-31.87	0-360	250	V
3	* 11.416	18.8	PK	38.1	-15.8	0	41.1	-	-	74	-32.9	-	-	0-360	150	H
6	17.104	18.95	PK	41.3	-13.5	0	46.75	-	-	-	-	68.2	-21.45	0-360	150	H
4	* 11.411	18.94	PK	38.1	-15.7	0	41.34	-	-	74	-32.66	-	-	0-360	150	V
5	17.102	19.53	PK	41.3	-13.5	0	47.33	-	-	-	-	68.2	-20.87	0-360	150	V

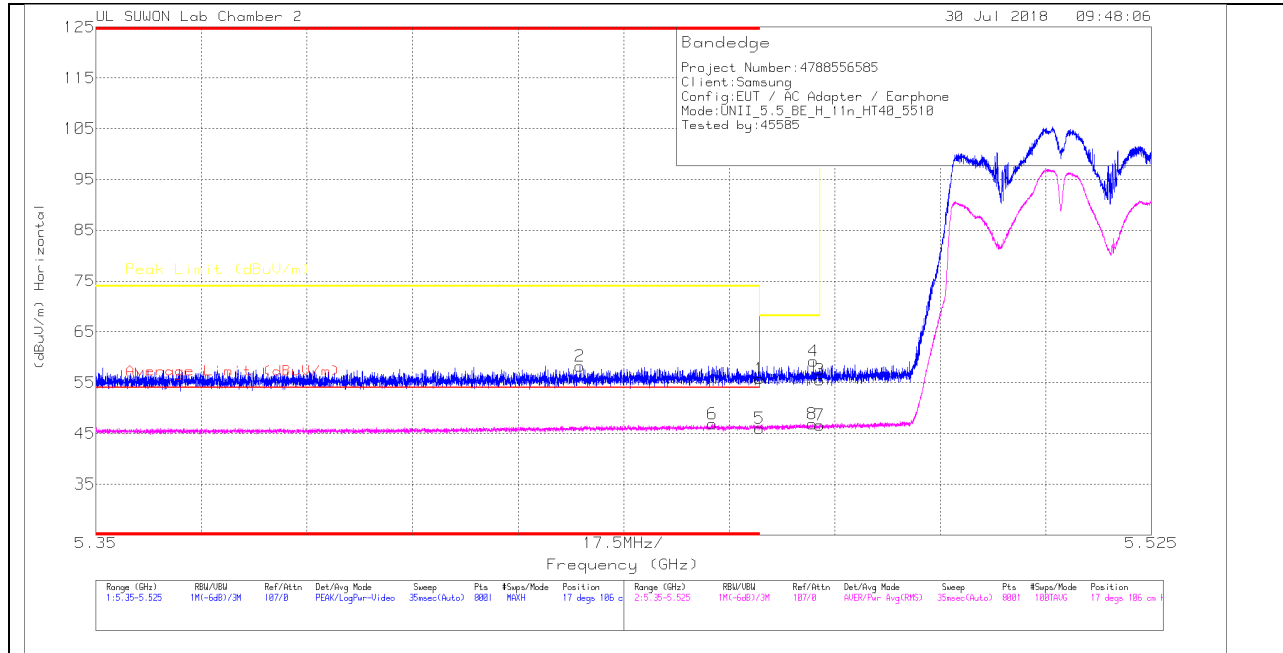
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak detector

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

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

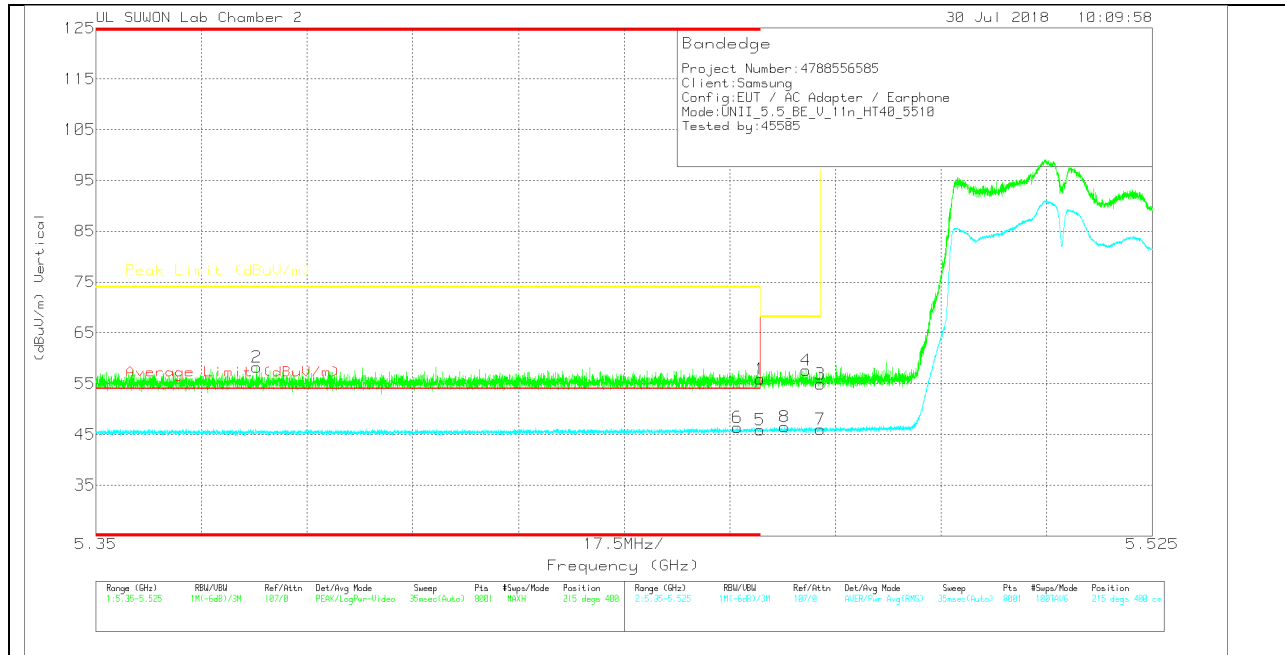
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.43	Pk	34.3	-15	0	55.73	-	-	74	-18.27	17	106	H
2	* 5.43	39.08	Pk	34.3	-15.1	0	58.28	-	-	74	-15.72	17	106	H
3	5.47	36.26	Pk	34.3	-15	0	55.56	-	-	68.2	-12.64	17	106	H
4	5.469	39.89	Pk	34.3	-15	0	59.19	-	-	68.2	-9.01	17	106	H
5	* 5.46	26.7	RMS	34.3	-15	0	46	54	-8	-	-	17	106	H
6	* 5.452	27.63	RMS	34.3	-15.1	0	46.83	54	-7.17	-	-	17	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

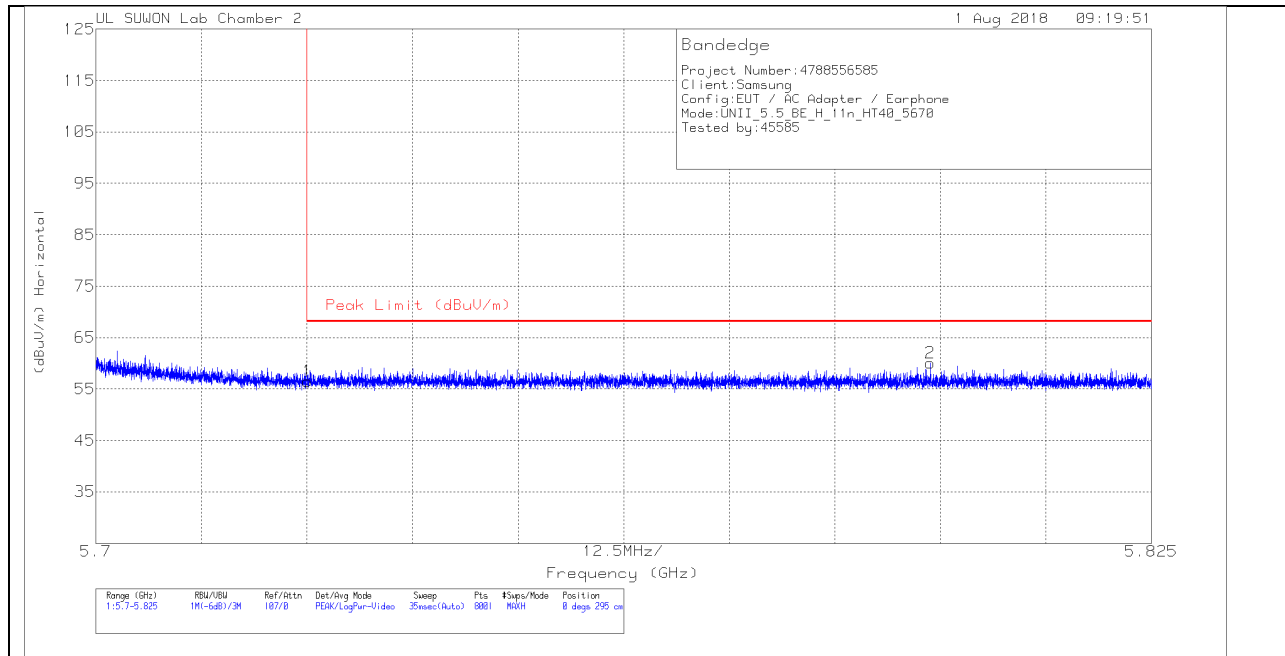
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	36.57	Pk	34.3	-15	0	55.87	-	-	74	-18.13	215	400	V
2	* 5.377	39.28	Pk	34.2	-15.2	0	58.28	-	-	74	-15.72	215	400	V
3	5.47	35.56	Pk	34.3	-15	0	54.86	-	-	68.2	-13.34	215	400	V
4	5.468	38.37	Pk	34.3	-15	0	57.67	-	-	68.2	-10.53	215	400	V
5	* 5.46	26.61	RMS	34.3	-15	0	45.91	54	-8.09	-	-	215	400	V
6	* 5.456	27.14	RMS	34.3	-15.1	0	46.34	54	-7.66	-	-	215	400	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 PLOT



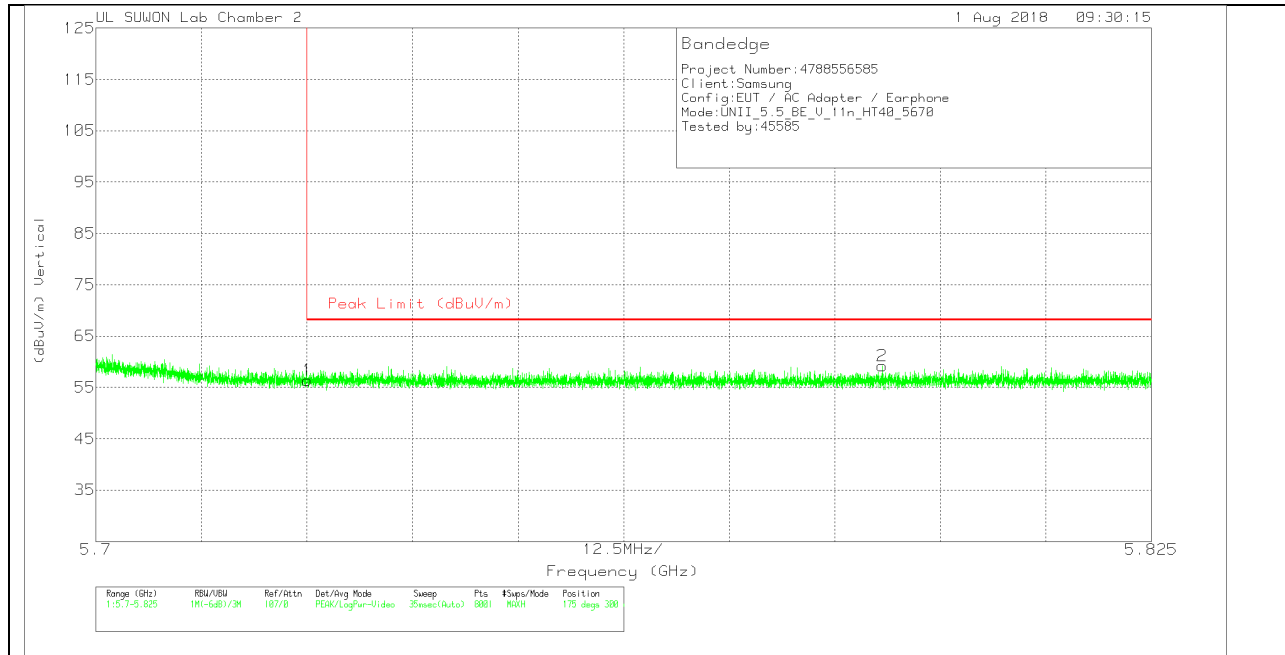
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[001687 24]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.64	Pk	34.4	-14.5	0	56.54	68.2	-11.66	0	295	H
2	5.799	39.98	Pk	34.5	-14.4	0	60.08	68.2	-8.12	0	295	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

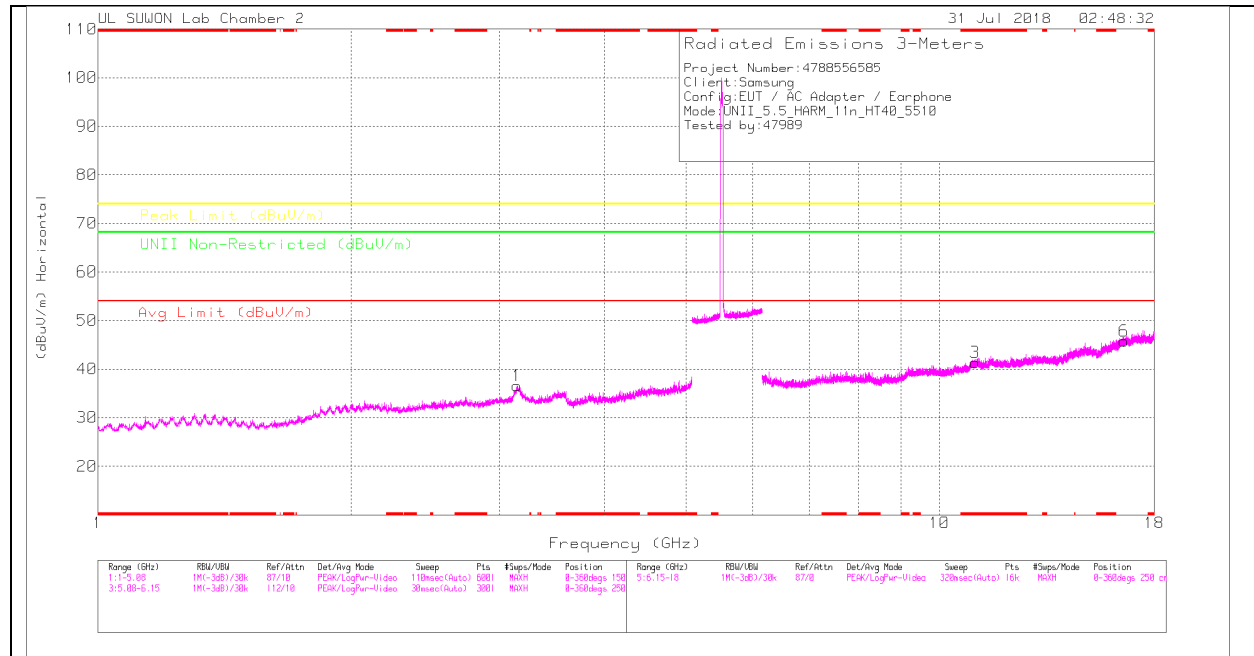
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[001687 24]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.54	Pk	34.4	-14.5	0	56.44	68.2	-11.76	175	300	V
2	5.793	39.09	Pk	34.5	-14.4	0	59.19	68.2	-9.01	175	300	V

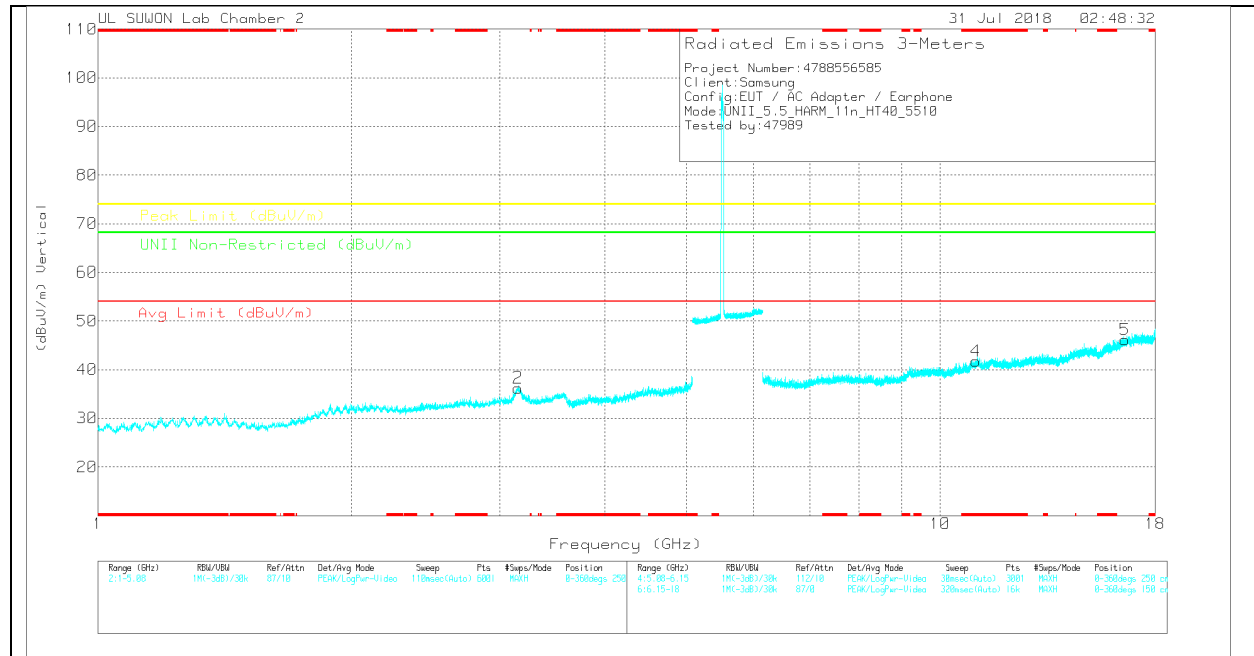
Pk - Peak detector

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

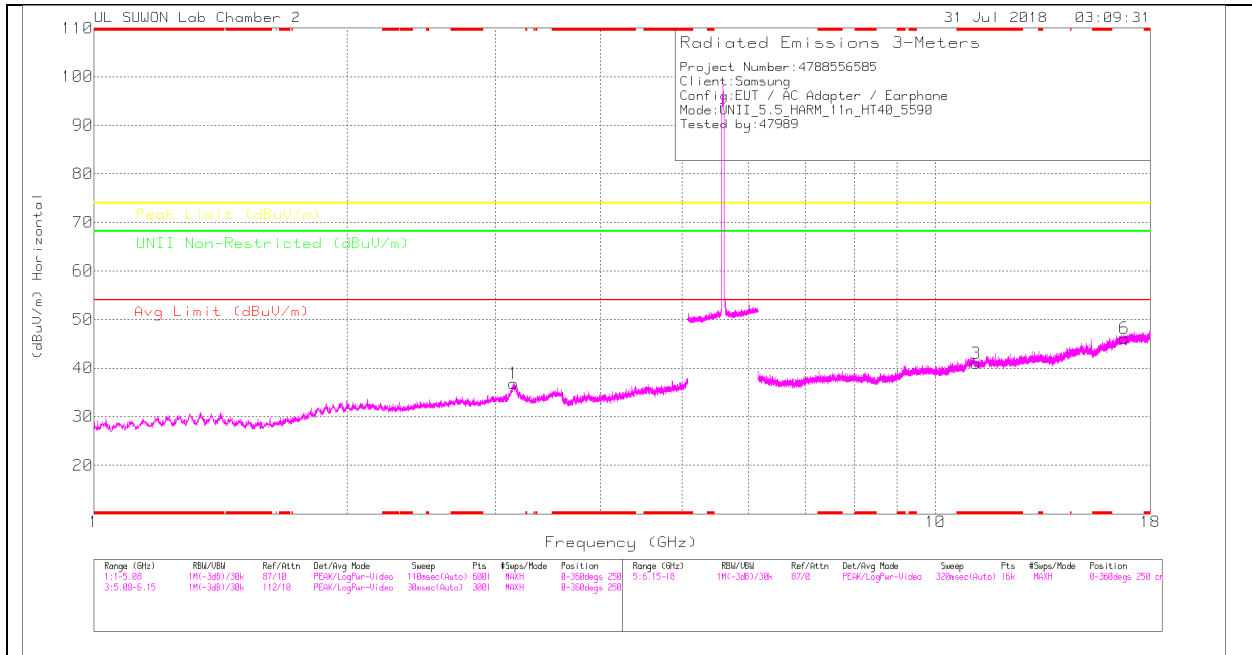
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(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	3.149	27.93	PK	34.8	-26.2	0	36.53	-	-	-	-	68.2	-31.67	0-360	250	H
2	3.156	27.55	PK	34.7	-26	0	36.25	-	-	-	-	68.2	-31.95	0-360	150	V
3	* 11.02	19.41	PK	38	-16.1	0	41.31	-	-	74	-32.69	-	-	0-360	250	H
6	16.573	19.22	PK	40.7	-14.2	0	45.72	-	-	-	-	68.2	-22.48	0-360	250	H
4	* 11.016	19.8	PK	38	-16.1	0	41.7	-	-	74	-32.3	-	-	0-360	150	V
5	16.57	19.63	PK	40.7	-14.2	0	46.13	-	-	-	-	68.2	-22.07	0-360	150	V

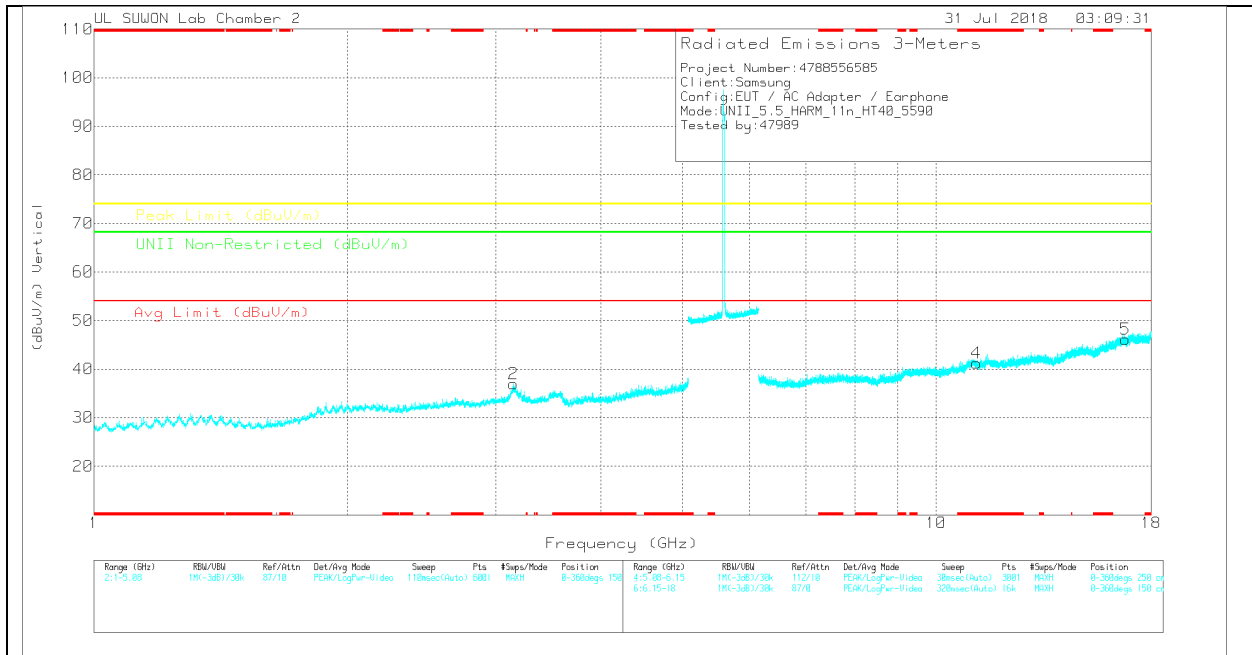
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

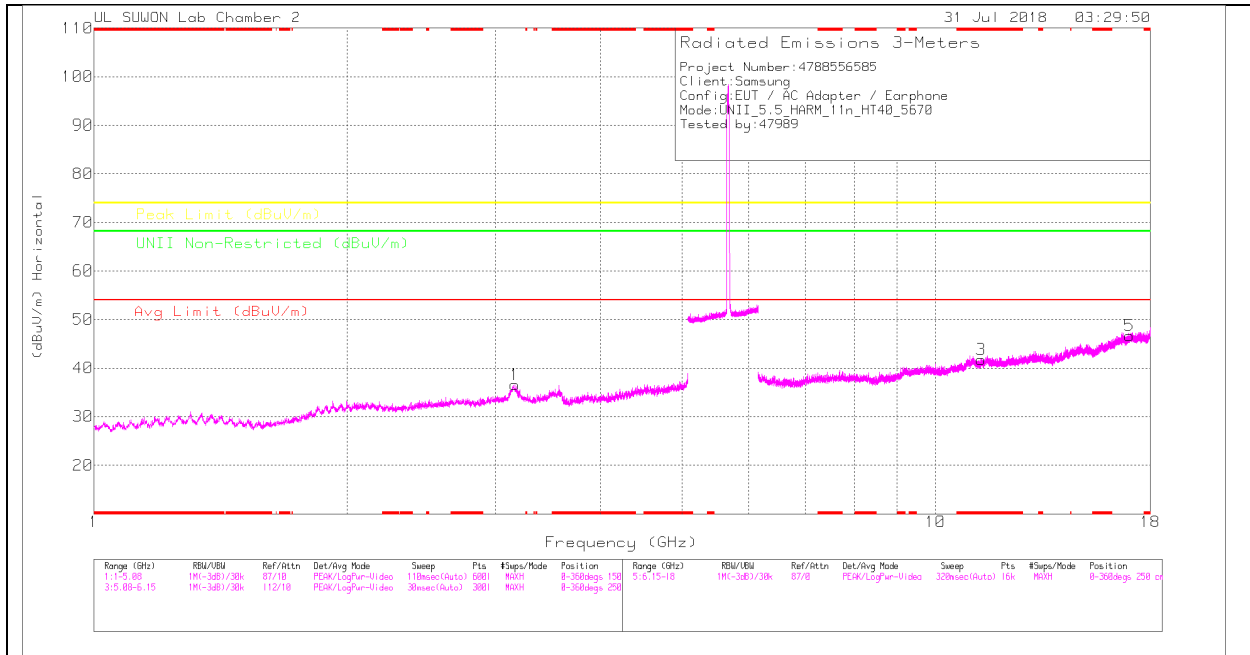
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117001887 24	SGHz_LF(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	3.153	28	PK	34.8	-26	0	36.8	-	-	-	-	68.2	-31.4	0-360	150	H
2	3.149	28.39	PK	34.8	-26.2	0	36.99	-	-	-	-	68.2	-31.21	0-360	150	V
3	* 11.178	19.28	PK	37.9	-16.2	0	40.98	-	-	74	-33.02	-	-	0-360	150	H
6	16.76	18.83	PK	40.9	-13.6	0	46.13	-	-	-	-	68.2	-22.07	0-360	150	H
4	* 11.167	19.69	PK	37.9	-16.3	0	41.29	-	-	74	-32.71	-	-	0-360	250	V
5	16.775	18.82	PK	40.9	-13.6	0	46.12	-	-	-	-	68.2	-22.08	0-360	150	V

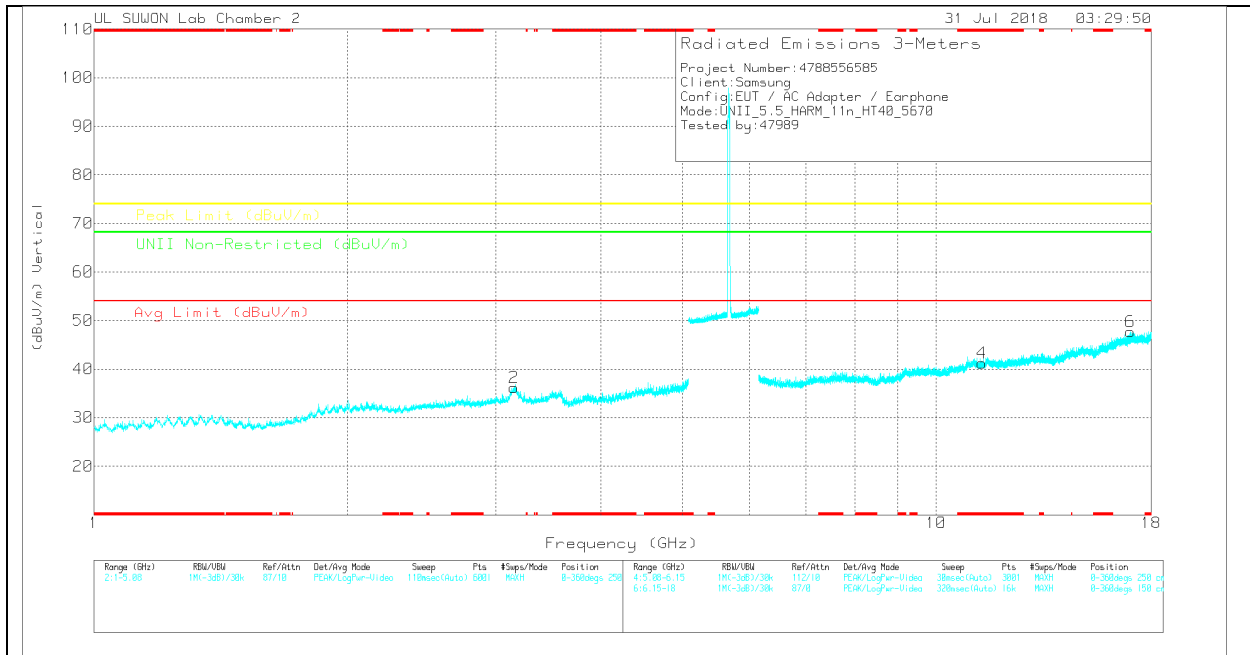
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

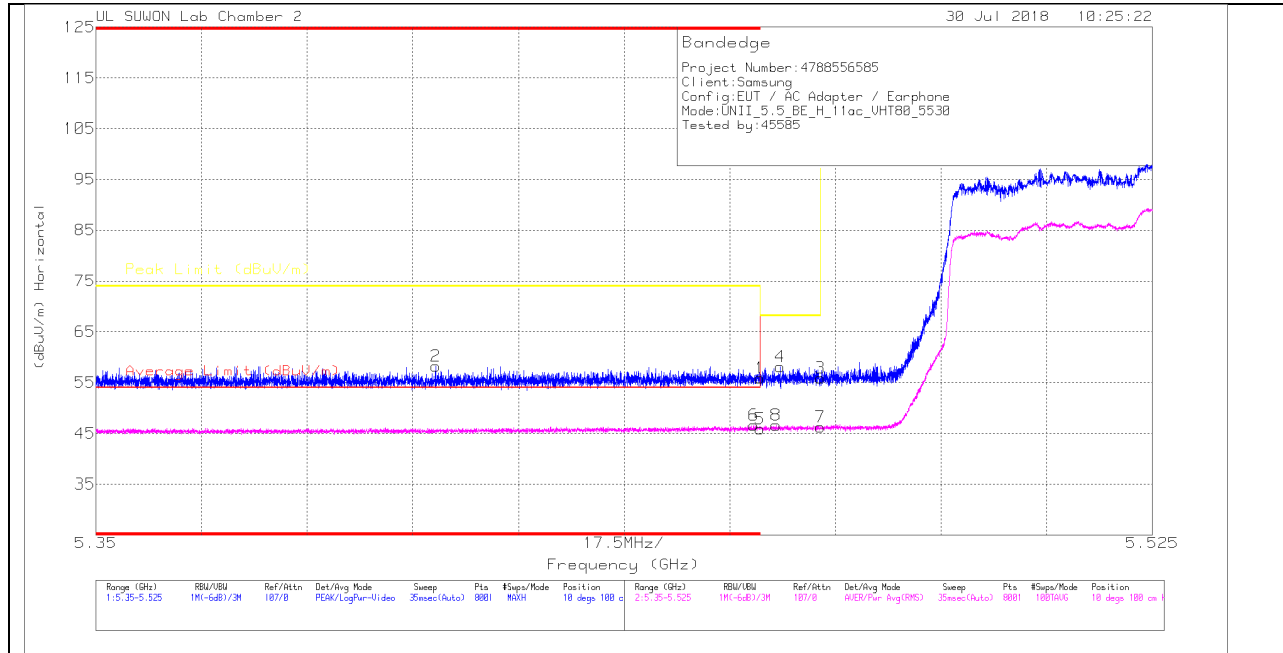
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.163	27.96	PK	34.5	-25.9	0	36.56	-	-	-	-	68.2	-31.64	0-360	150	H
2	3.152	27.38	PK	34.9	-26.1	0	36.18	-	-	-	-	68.2	-32.02	0-360	150	V
3	* 11.337	19.3	PK	38	-15.6	0	41.7	-	-	74	-32.3	-	-	0-360	250	H
5	16.996	18.77	PK	41.2	-13.3	0	46.67	-	-	-	-	68.2	-21.53	0-360	150	H
4	* 11.334	18.85	PK	38	-15.6	0	41.25	-	-	74	-32.75	-	-	0-360	250	V
6	16.998	19.74	PK	41.2	-13.2	0	47.74	-	-	-	-	68.2	-20.46	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 PLOT



HORIZONTAL DATA

Trace Markers

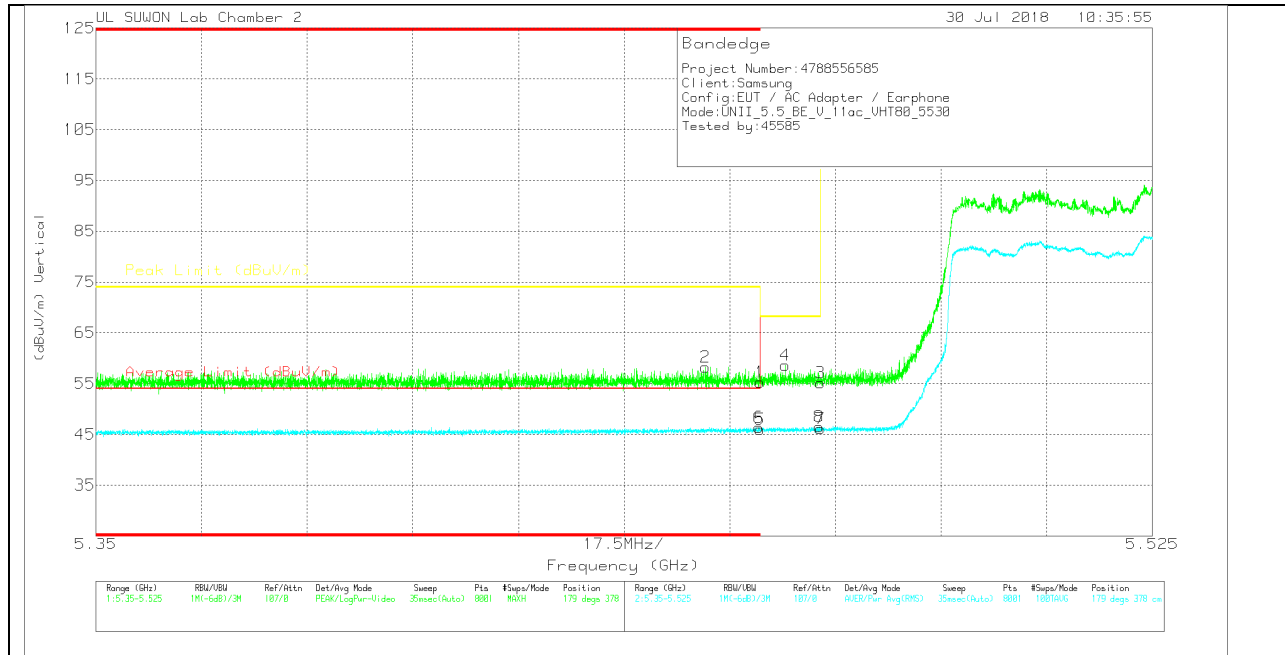
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.57	Pk	34.3	-15	0	55.87	-	-	74	-18.13	10	100	H
2	* 5.406	39.21	Pk	34.2	-15.2	0	58.21	-	-	74	-15.79	10	100	H
3	5.47	36.58	Pk	34.3	-15	0	55.88	-	-	68.2	-12.32	10	100	H
4	5.463	38.88	Pk	34.3	-15.1	0	58.08	-	-	68.2	-10.12	10	100	H
5	* 5.46	26.55	RMS	34.3	-15	0	45.85	54	-8.15	-	-	10	100	H
6	* 5.459	27.33	RMS	34.3	-15	0	46.63	54	-7.37	-	-	10	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

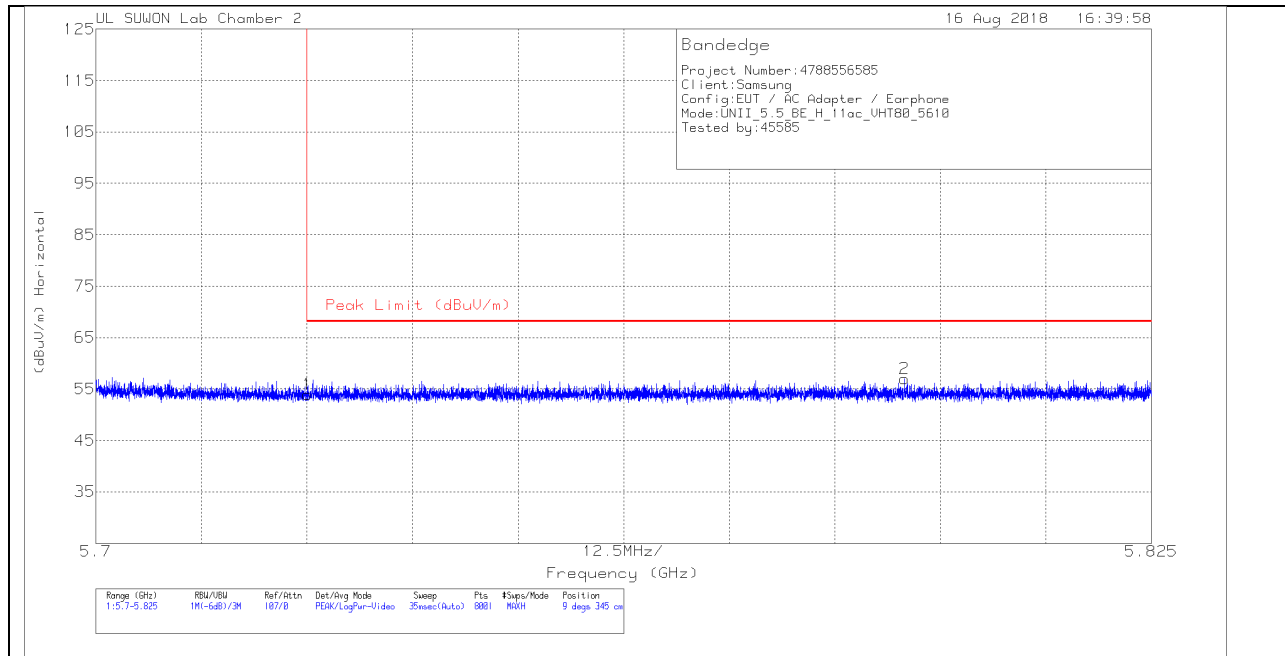
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	35.95	Pk	34.3	-15	0	55.25	-	-	74	-18.75	179	378	V
2	* 5.451	39.07	Pk	34.3	-15.1	0	58.27	-	-	74	-15.73	179	378	V
3	5.47	35.9	Pk	34.3	-15	0	55.2	-	-	68.2	-13	179	378	V
4	5.464	39.39	Pk	34.3	-15.1	0	58.59	-	-	68.2	-9.61	179	378	V
5	* 5.46	26.68	RMS	34.3	-15	0	45.98	54	-8.02	-	-	179	378	V
6	* 5.46	27.07	RMS	34.3	-15	0	46.37	54	-7.63	-	-	179	378	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 PLOT



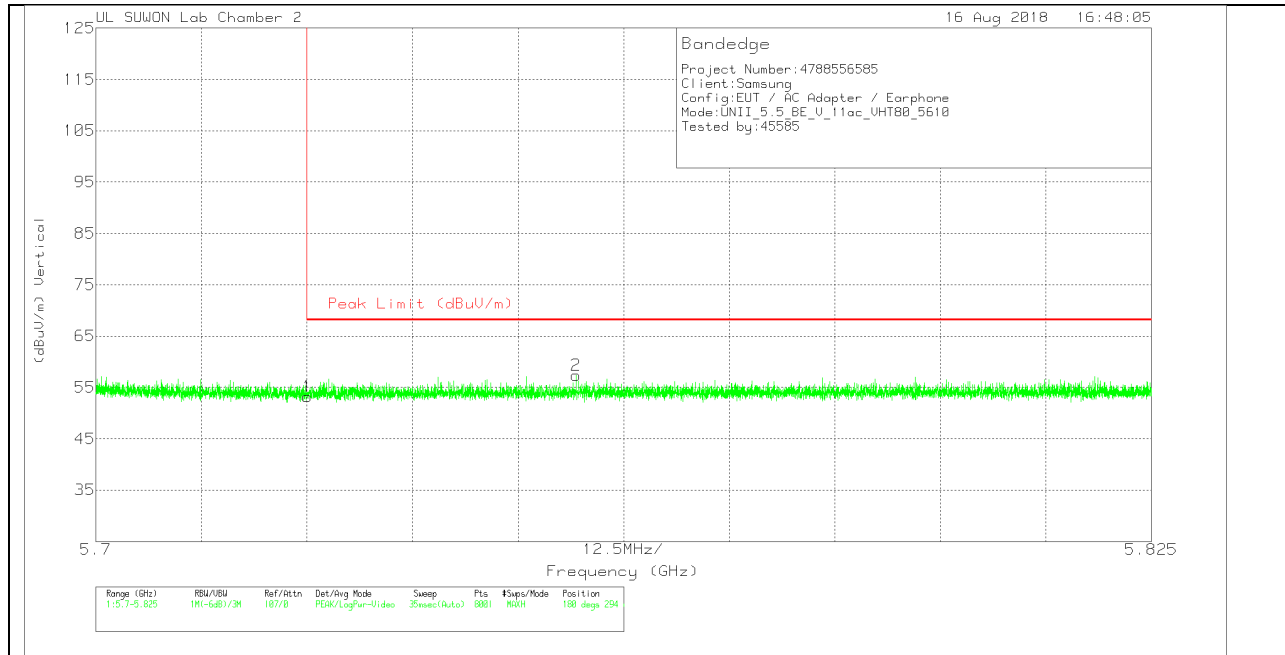
HORIZONTAL DATA

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	36.85	Pk	34.7	-17.6	0	53.95	68.2	-14.25	9	345	H
2	5.796	39.71	Pk	34.8	-17.5	0	57.01	68.2	-11.19	9	345	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

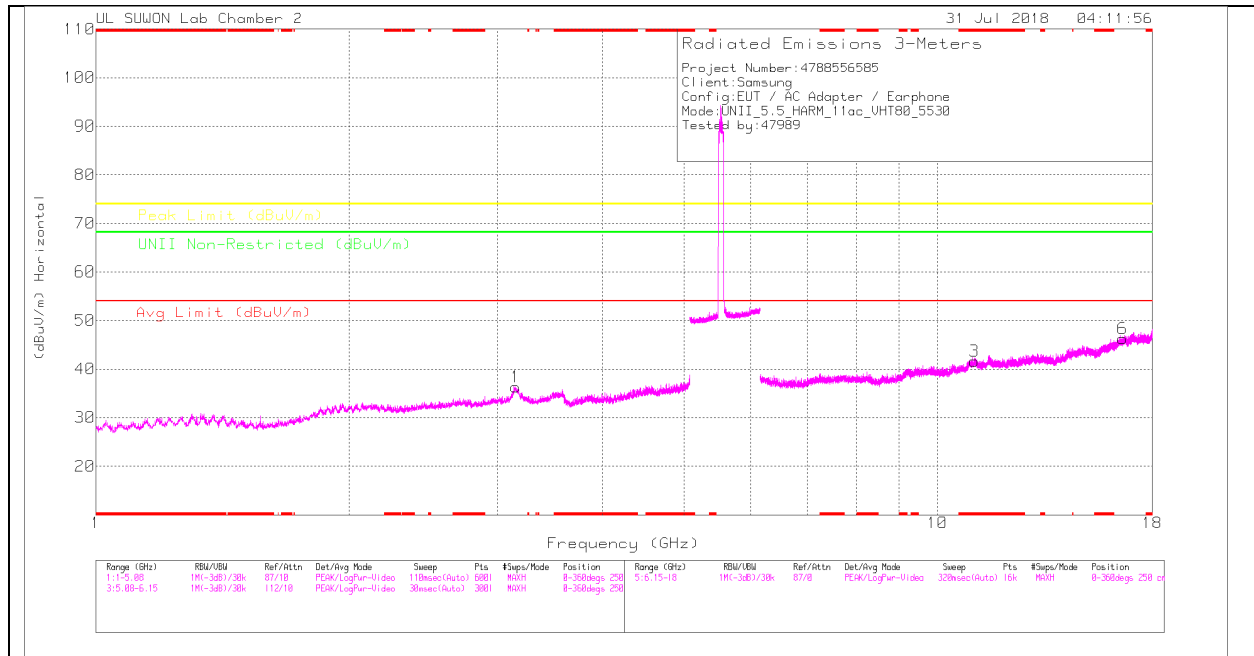
Trace Markers

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	36.14	Pk	34.7	-17.6	0	53.24	68.2	-14.96	180	294	V
2	5.757	40.15	Pk	34.7	-17.5	0	57.35	68.2	-10.85	180	294	V

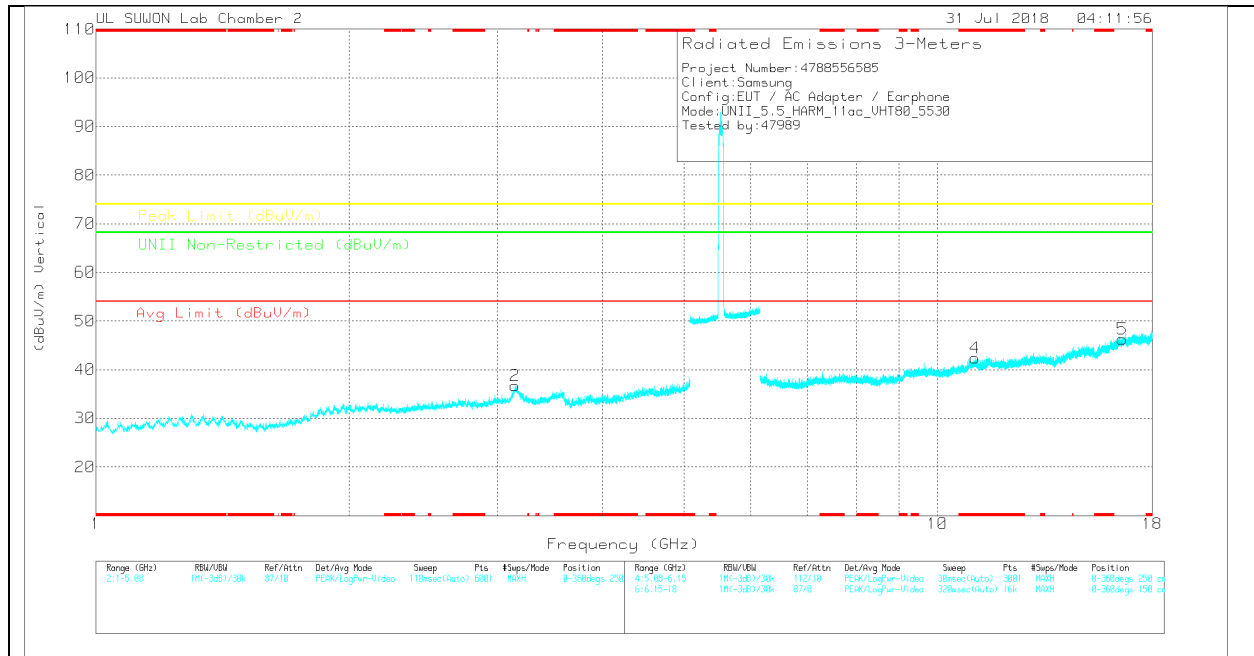
Pk - Peak detector

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

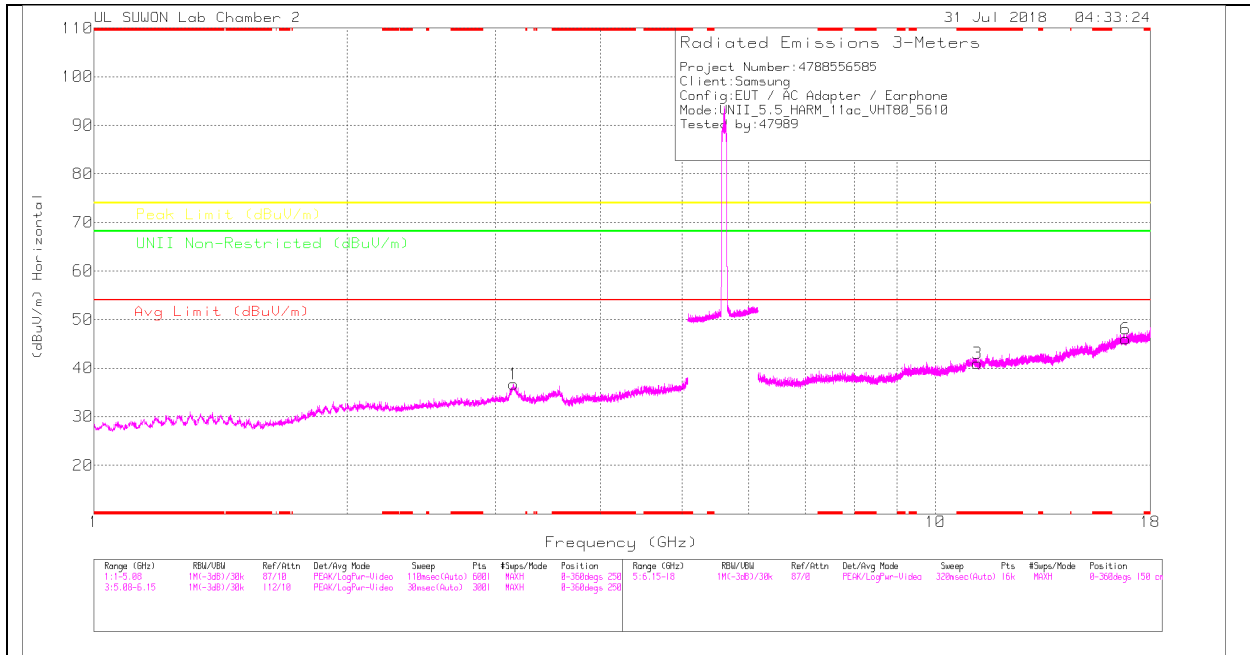
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(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	3.152	27.59	PK	34.8	-26.1	0	36.29	-	-	-	-	68.2	-31.91	0-360	150	H
2	3.149	28.11	PK	34.8	-26.2	0	36.71	-	-	-	-	68.2	-31.49	0-360	150	V
3	* 11.067	19.83	PK	37.9	-16.1	0	41.63	-	-	74	-32.37	-	-	0-360	150	H
6	16.589	19.62	PK	40.8	-14.1	0	46.32	-	-	-	-	68.2	-21.88	0-360	250	H
4	* 11.073	20.65	PK	37.9	-16.1	0	42.45	-	-	74	-31.55	-	-	0-360	250	V
5	16.584	19.65	PK	40.8	-14.2	0	46.25	-	-	-	-	68.2	-21.95	0-360	150	V

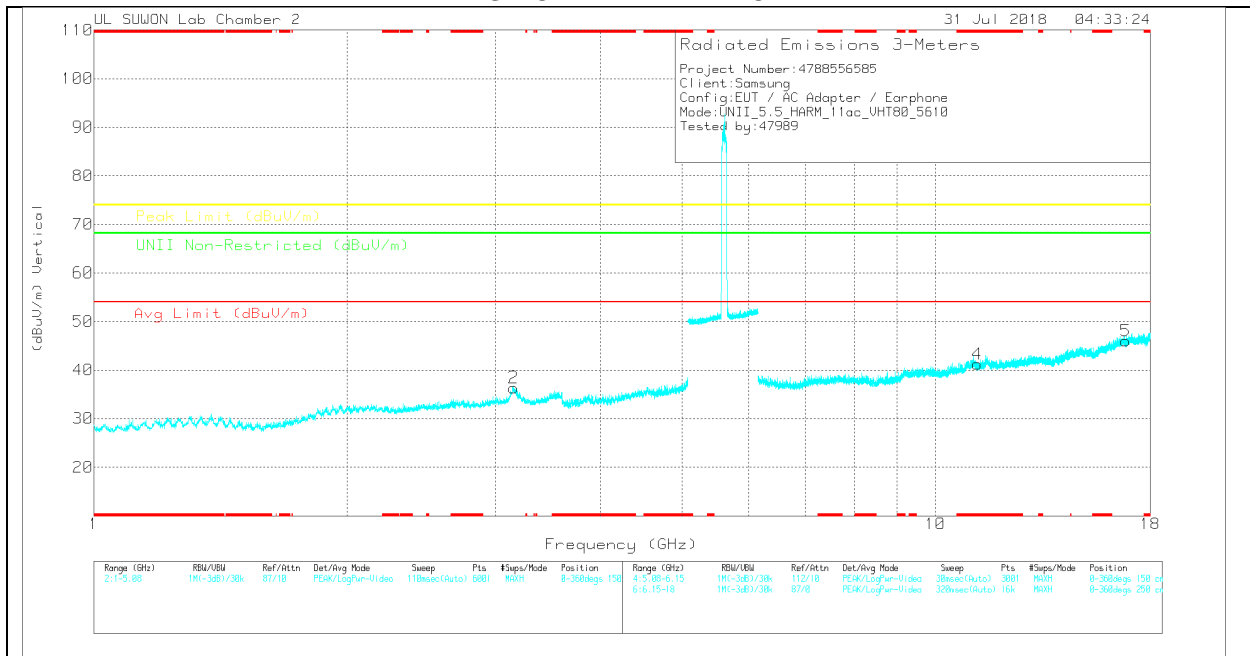
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

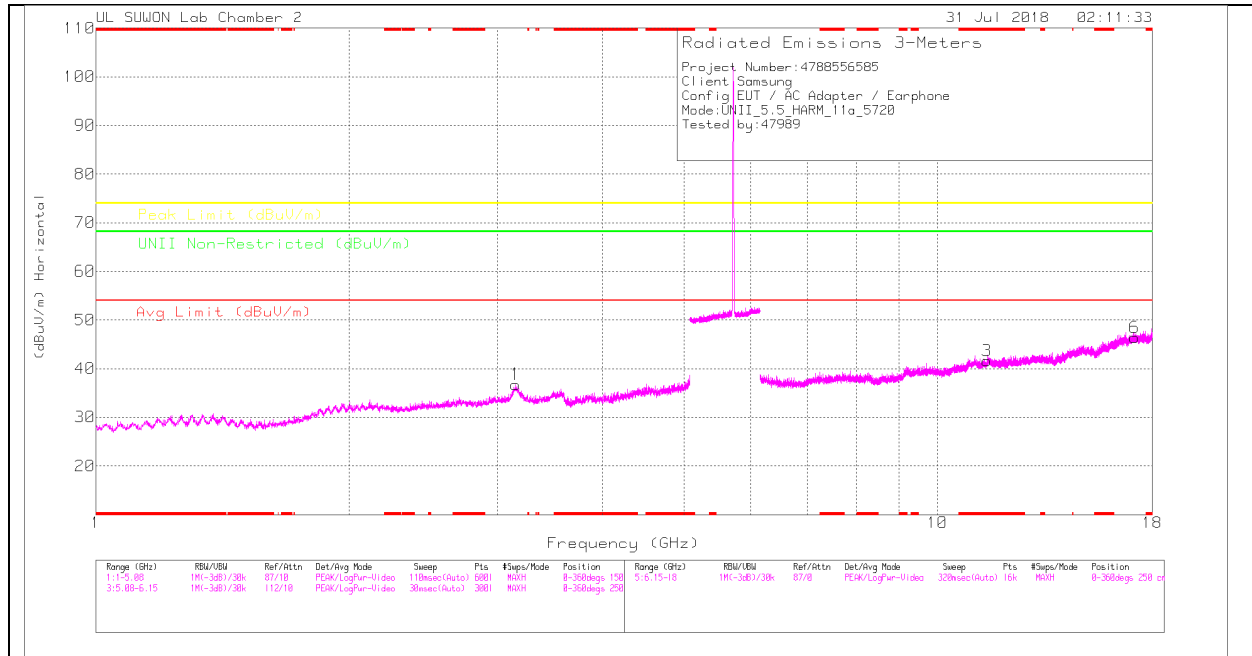
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170551_3117001687 24)	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.152	27.92	PK	34.9	-26.1	0	36.72	-	-	-	-	68.2	-31.48	0-360	150	H
2	3.154	27.58	PK	34.8	-26	0	36.38	-	-	-	-	68.2	-31.82	0-360	150	V
3	* 11.213	19.25	PK	37.9	-16.2	0	40.95	-	-	74	-33.05	-	-	0-360	250	H
6	16.84	18.87	PK	40.8	-13.6	0	46.07	-	-	-	-	68.2	-22.13	0-360	250	H
4	* 11.21	19.54	PK	37.9	-16.2	0	41.24	-	-	74	-32.76	-	-	0-360	250	V
5	16.834	18.8	PK	40.8	-13.6	0	46	-	-	-	-	68.2	-22.2	0-360	250	V

PK – Peak detector

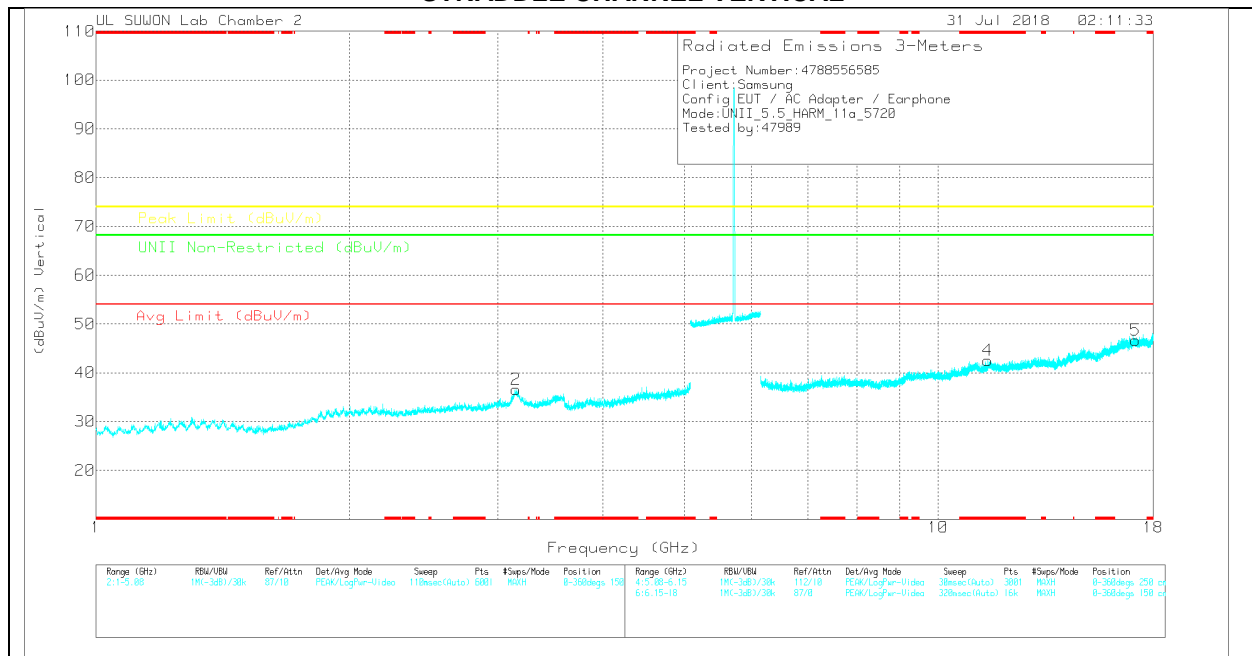
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3.5.TX ABOVE 1GHz 802.11a 2Tx CDD MODE IN THE STRADDLE CHANNEL

STRADDLE CHANNEL HORIZONTAL



STRADDLE 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.

STRADDLE CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170551_3117001687 24)	5GHz_LF(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	3.154	27.97	PK	34.8	-26	0	36.77	-	-	-	-	68.2	-31.43	0-360	250	H
2	3.156	27.93	PK	34.7	-26	0	36.63	-	-	-	-	68.2	-31.57	0-360	250	V
3	* 11.448	19.44	PK	38.1	-15.9	0	41.64	-	-	74	-32.36	-	-	0-360	150	H
6	17.156	18.51	PK	41.4	-13.5	0	46.41	-	-	-	-	68.2	-21.79	0-360	150	H
4	* 11.449	20.35	PK	38.1	-15.9	0	42.55	-	-	74	-31.45	-	-	0-360	250	V
5	17.159	18.73	PK	41.4	-13.5	0	46.63	-	-	-	-	68.2	-21.57	0-360	250	V

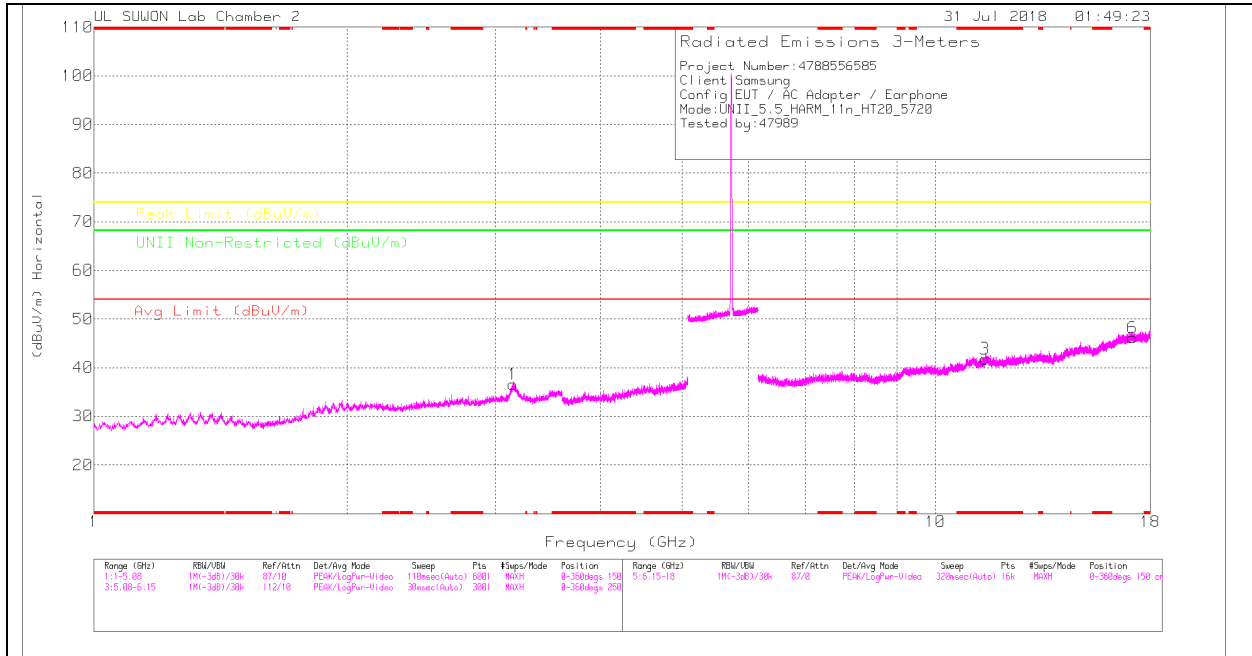
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak detector

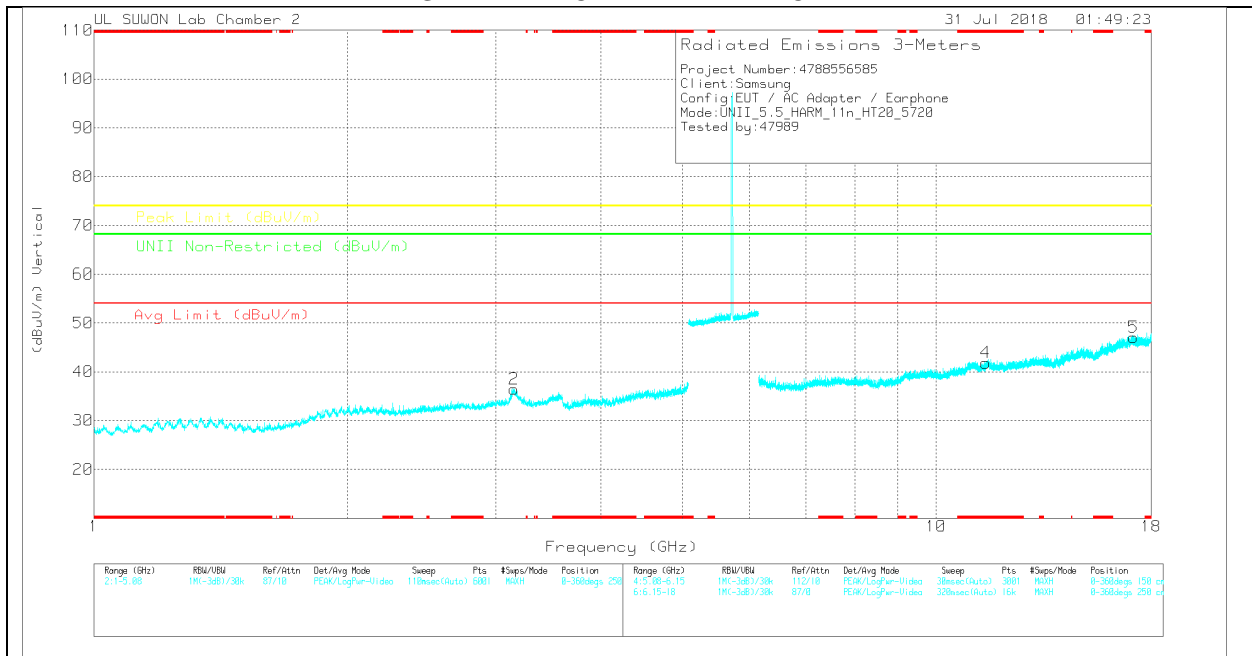
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3.6. TX ABOVE 1GHz 802.11n HT20 2Tx CDD MODE IN THE STRADDLE CHANNEL

STRADDLE CHANNEL HORIZONTAL



STRADDLE 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.

STRADDLE CHANNEL DATA

Trace Markers

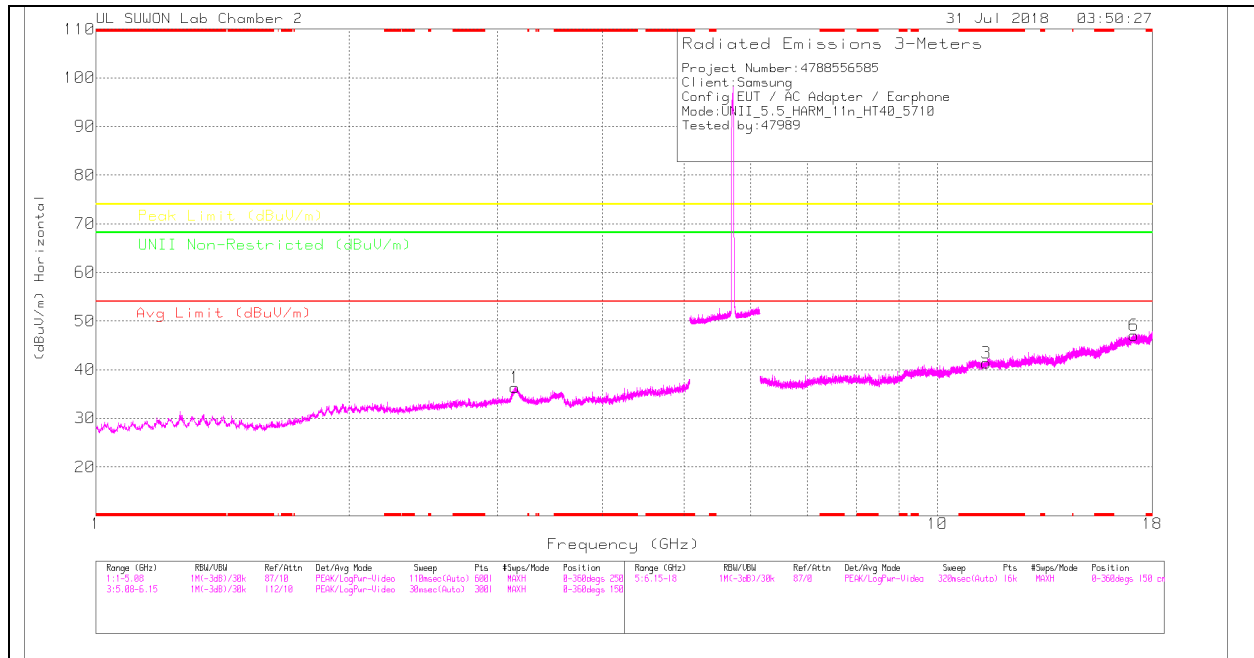
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170551_3117001687 24)	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.147	28	PK	34.8	-26.2	0	36.6	-	-	-	-	68.2	-31.6	0-360	250	H
2	3.154	27.63	PK	34.8	-26	0	36.43	-	-	-	-	68.2	-31.77	0-360	150	V
3	* 11.449	19.61	PK	38.1	-15.9	0	41.81	-	-	74	-32.19	-	-	0-360	150	H
6	17.161	18.2	PK	41.4	-13.5	0	46.1	-	-	-	-	68.2	-22.1	0-360	250	H
4	* 11.452	19.62	PK	38.1	-15.9	0	41.82	-	-	74	-32.18	-	-	0-360	250	V
5	17.157	19.11	PK	41.4	-13.5	0	47.01	-	-	-	-	68.2	-21.19	0-360	150	V

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

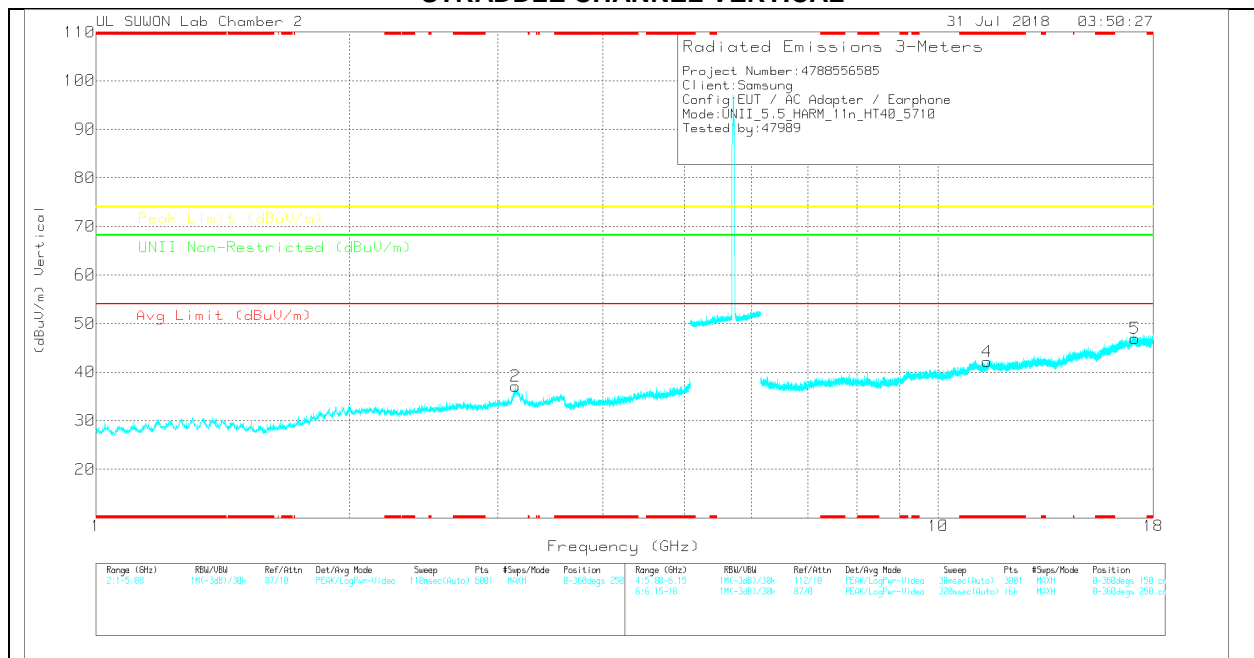
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3.7. TX ABOVE 1GHz 802.11n HT40 2Tx CDD MODE IN THE STRADDLE CHANNEL

STRADDLE CHANNEL HORIZONTAL



STRADDLE 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.

STRADDLE CHANNEL DATA

Trace Markers

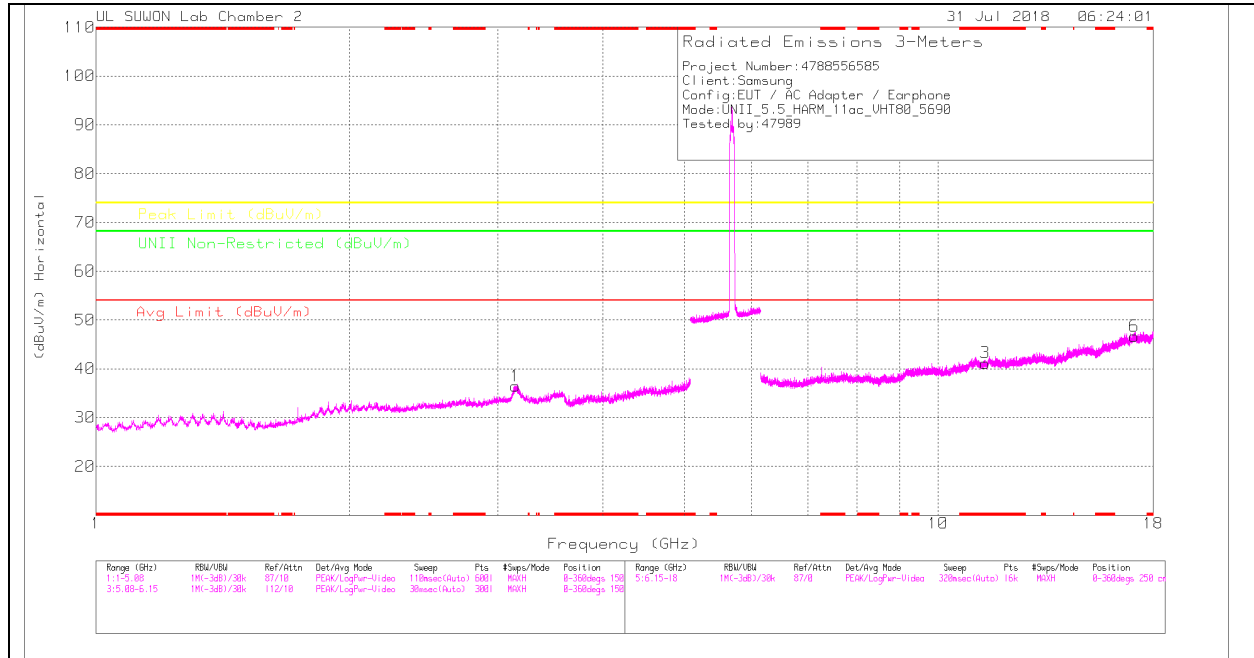
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.148	27.75	PK	34.8	-26.2	0	36.35	-	-	-	-	68.2	-31.85	0-360	150	H
2	3.145	28.64	PK	34.7	-26.2	0	37.14	-	-	-	-	68.2	-31.06	0-360	150	V
3	* 11.424	19.05	PK	38.1	-15.8	0	41.35	-	-	74	-32.65	-	-	0-360	150	H
6	17.134	19.18	PK	41.4	-13.5	0	47.08	-	-	-	-	68.2	-21.12	0-360	250	H
4	* 11.424	19.8	PK	38.1	-15.8	0	42.1	-	-	74	-31.9	-	-	0-360	150	V
5	17.117	19.13	PK	41.3	-13.5	0	46.93	-	-	-	-	68.2	-21.27	0-360	150	V

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

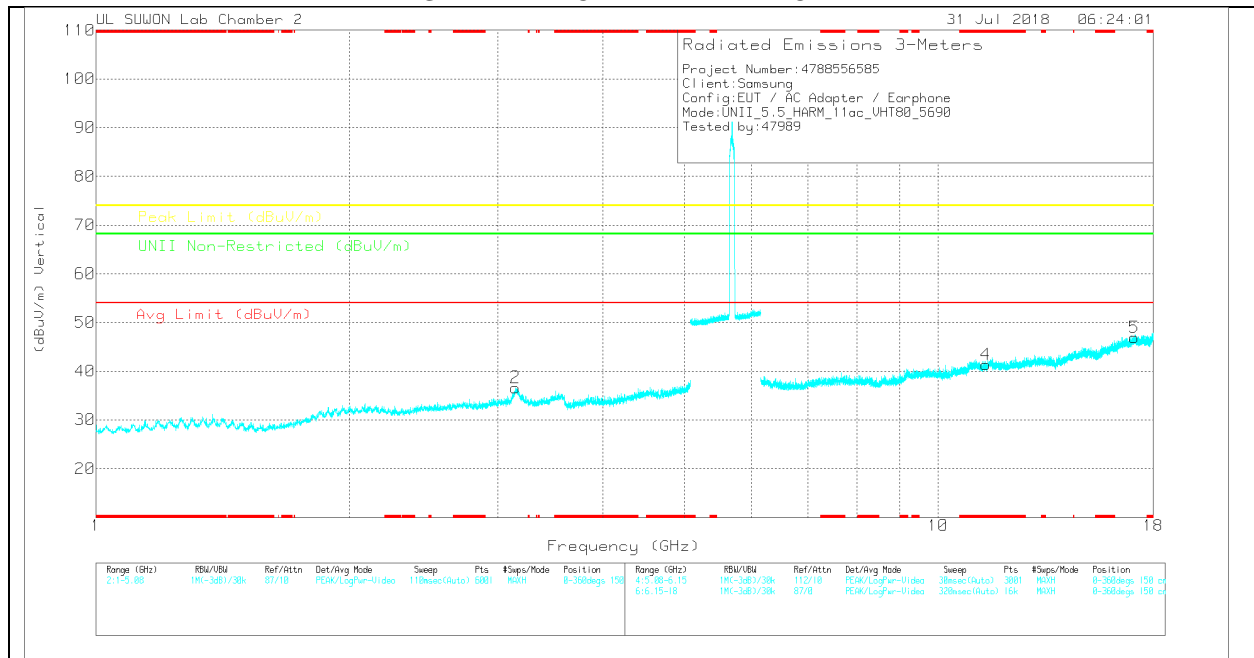
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3.8.TX ABOVE 1GHz 802.11ac VHT80 2Tx CDD MODE IN THE STRADDLE CHANNEL

STRADDLE CHANNEL HORIZONTAL



STRADDLE 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.

STRADDLE CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117001687 24)	5GHz_LF(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	3.147	27.79	PK	34.8	-26.2	0	36.39	-	-	-	-	68.2	-31.81	0-360	250	H
2	3.149	27.84	PK	34.9	-26.1	0	36.64	-	-	-	-	68.2	-31.56	0-360	250	V
3	* 11.378	18.57	PK	38.1	-15.5	0	41.17	-	-	74	-32.83	-	-	0-360	250	H
6	17.089	18.85	PK	41.3	-13.5	0	46.65	-	-	-	-	68.2	-21.55	0-360	150	H
4	* 11.382	18.71	PK	38.1	-15.5	0	41.31	-	-	74	-32.69	-	-	0-360	150	V
5	17.092	19.17	PK	41.3	-13.5	0	46.97	-	-	-	-	68.2	-21.23	0-360	250	V

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

PK – Peak detector

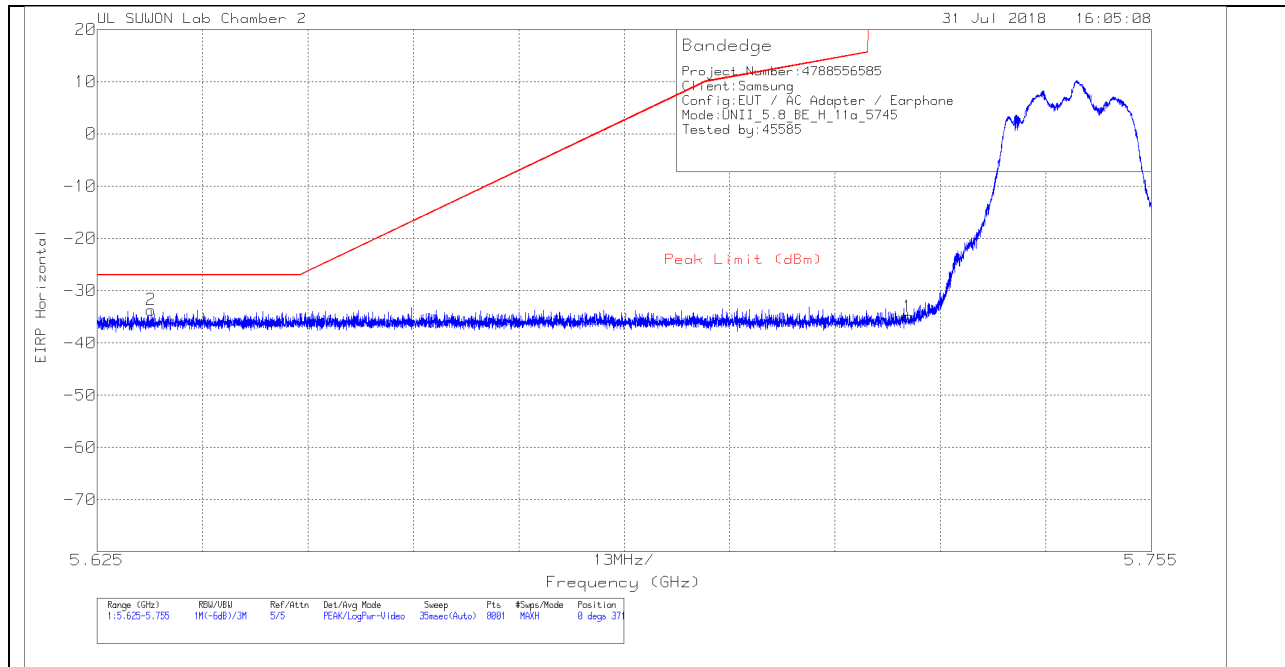
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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



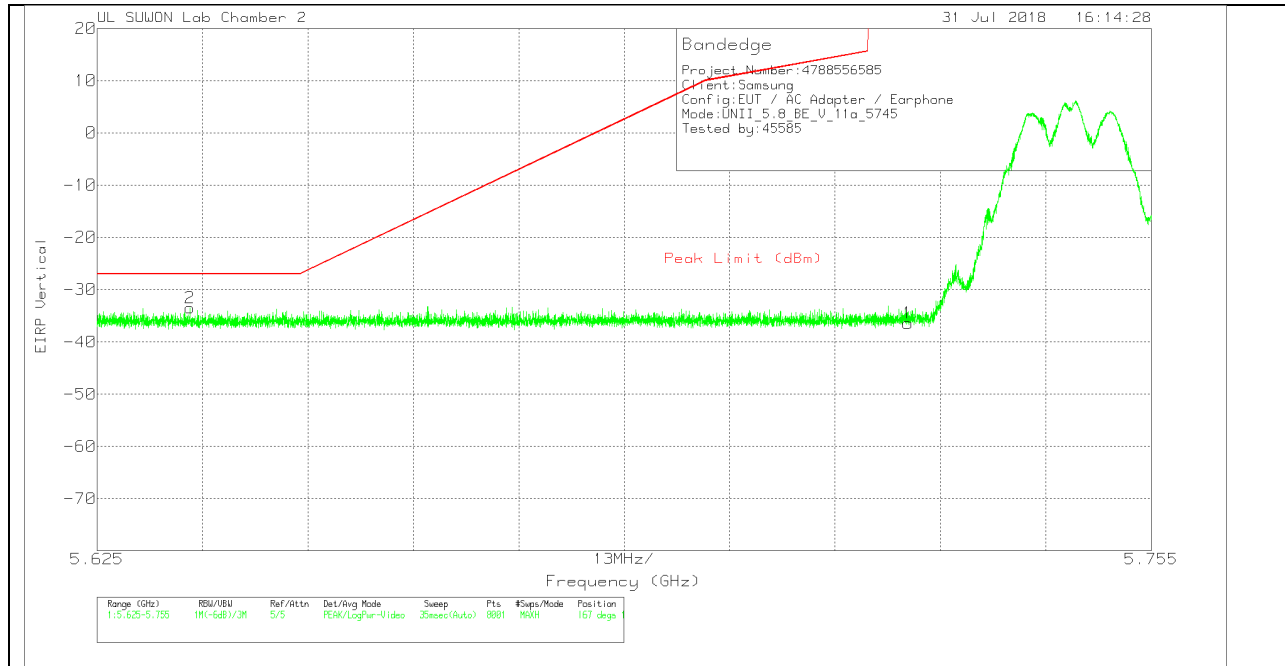
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	Path_2_10dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-65.63	Pk	34.5	-15.6	11.8	0	-34.93	278.26	-313.19	0	371	H
2	5.632	-64.17	Pk	34.4	-15.7	11.8	0	-33.67	-27	-6.67	0	371	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

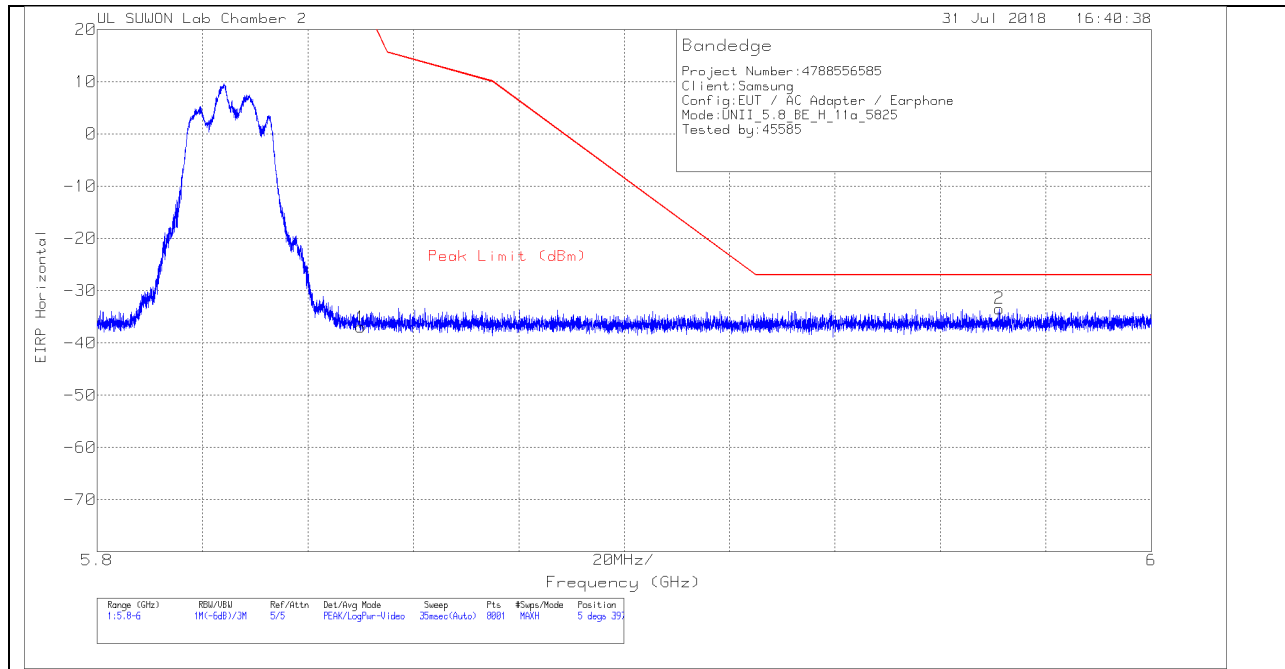
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	Path_2_10dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-67.12	Pk	34.5	-15.6	11.8	0	-36.42	278.26	-314.68	167	100	V
2	5.636	-63.98	Pk	34.4	-15.7	11.8	0	-33.48	-27	-6.48	167	100	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



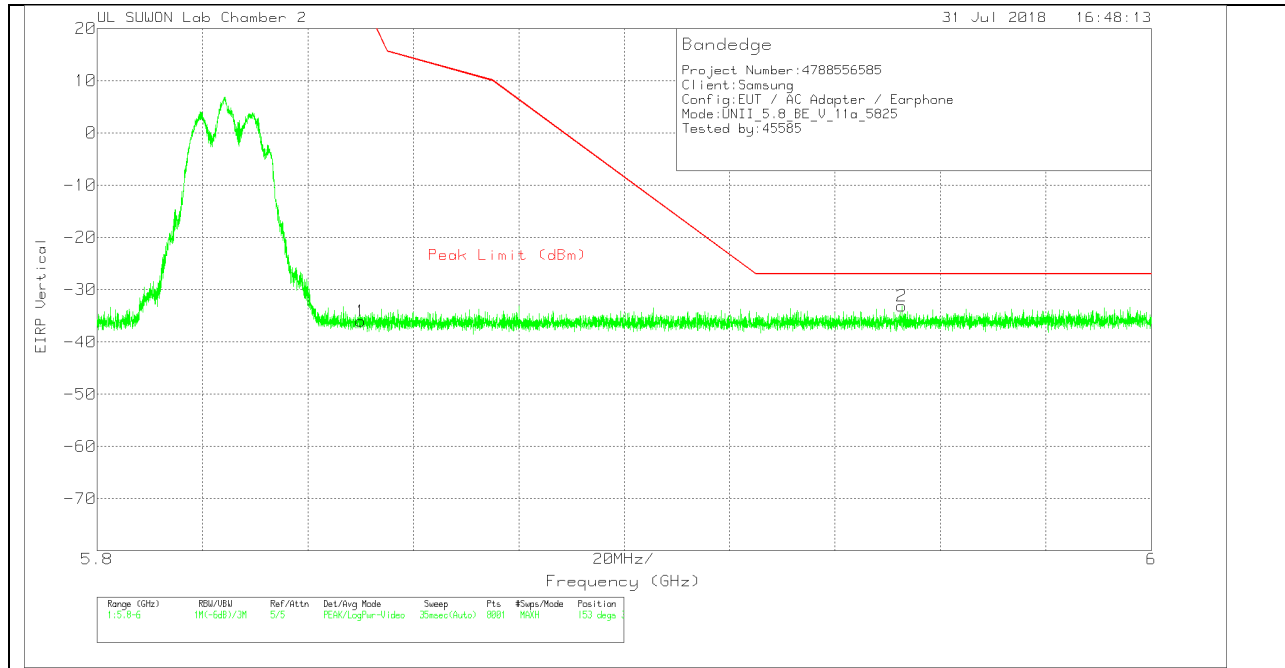
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	Path_2_10dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.77	Pk	34.5	-15.5	11.8	0	-36.97	26.94	-63.91	5	397	H
2	5.971	-64.53	Pk	34.7	-15.4	11.8	0	-33.43	-27	-6.43	5	397	H

Pk - Peak detector

VERTICAL PEAK PLOT



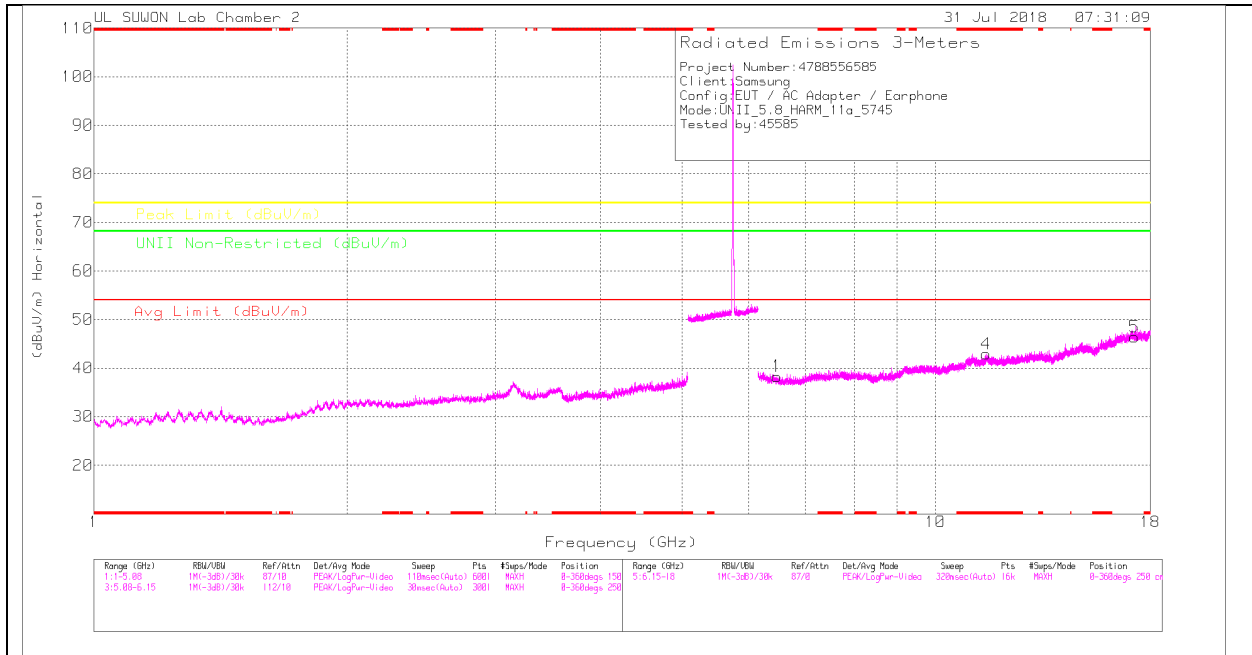
VERTICAL DATA

Trace Markers

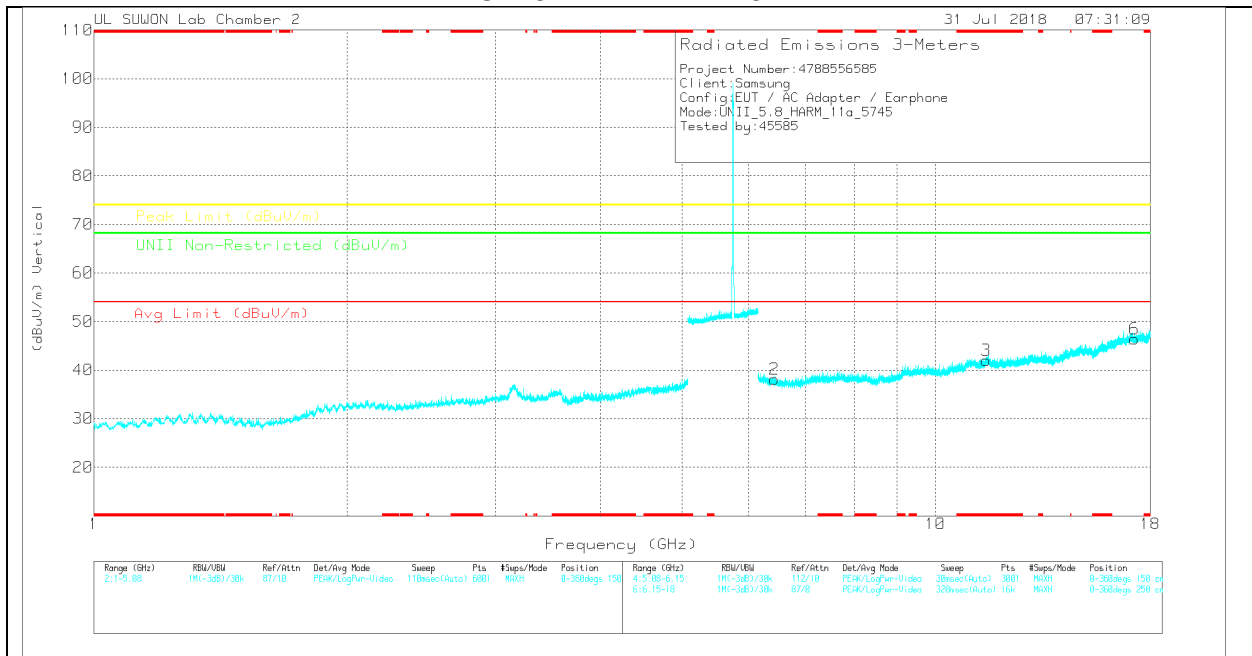
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	Path_2_10dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.84	Pk	34.5	-15.5	11.8	0	-36.04	26.94	-62.98	153	350	V
2	5.953	-64.05	Pk	34.6	-15.5	11.8	0	-33.15	-27	-6.15	153	350	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

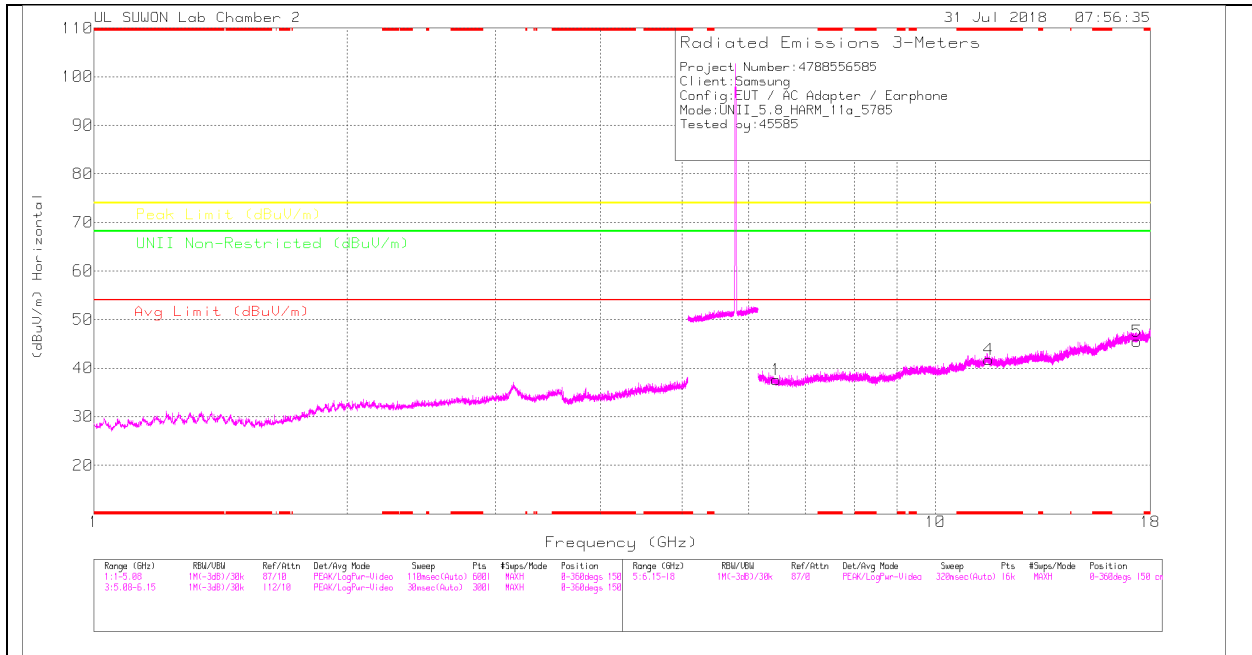
Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	170531_3117003687_24	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unlit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.48	25.22	PK	35.1	-22	0	38.32	-	-	-	-	68.2	-29.88	0-360	250	H
4	*11.489	20.6	PK	38.2	-15.9	0	42.9	-	-	74	-31.1	-	-	0-360	250	H
5	17.236	18.34	PK	41.6	-13.5	0	46.44	-	-	-	-	68.2	-21.76	0-360	250	H
2	6.437	24.63	PK	35.1	-21.6	0	38.13	-	-	-	-	68.2	-30.07	0-360	150	V
3	*11.493	19.69	PK	38.2	-15.9	0	41.99	-	-	74	-32.01	-	-	0-360	150	V
6	17.234	18.35	PK	41.6	-13.5	0	46.45	-	-	-	-	68.2	-21.75	0-360	250	V

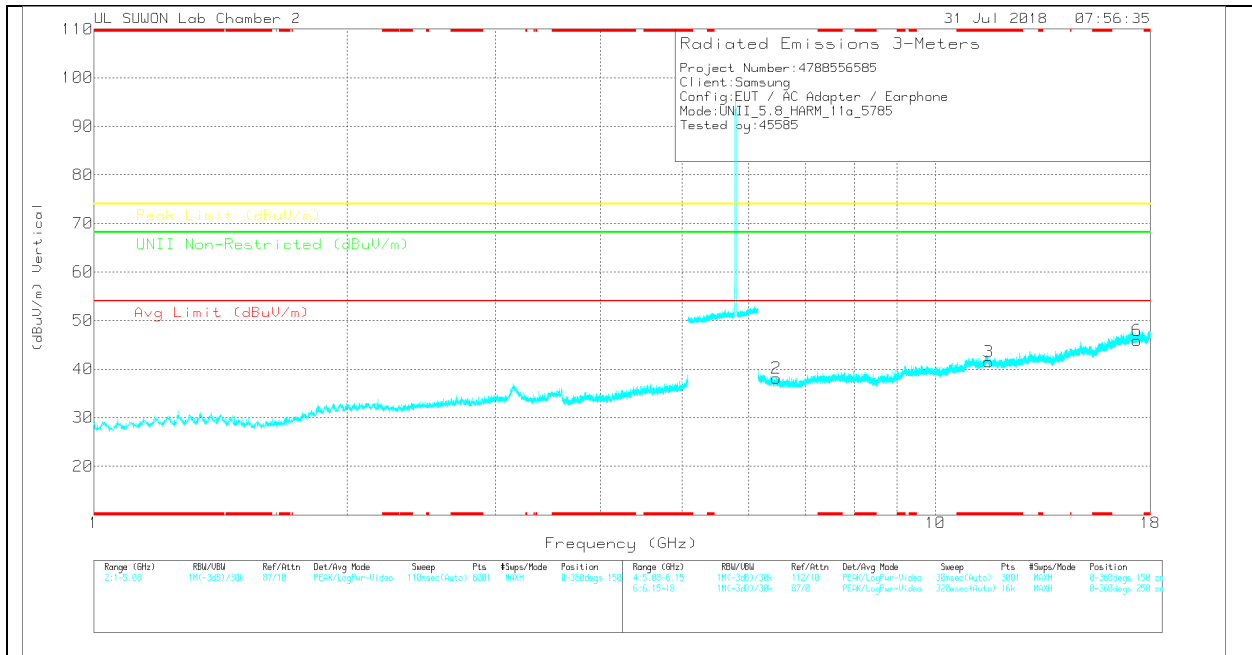
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

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

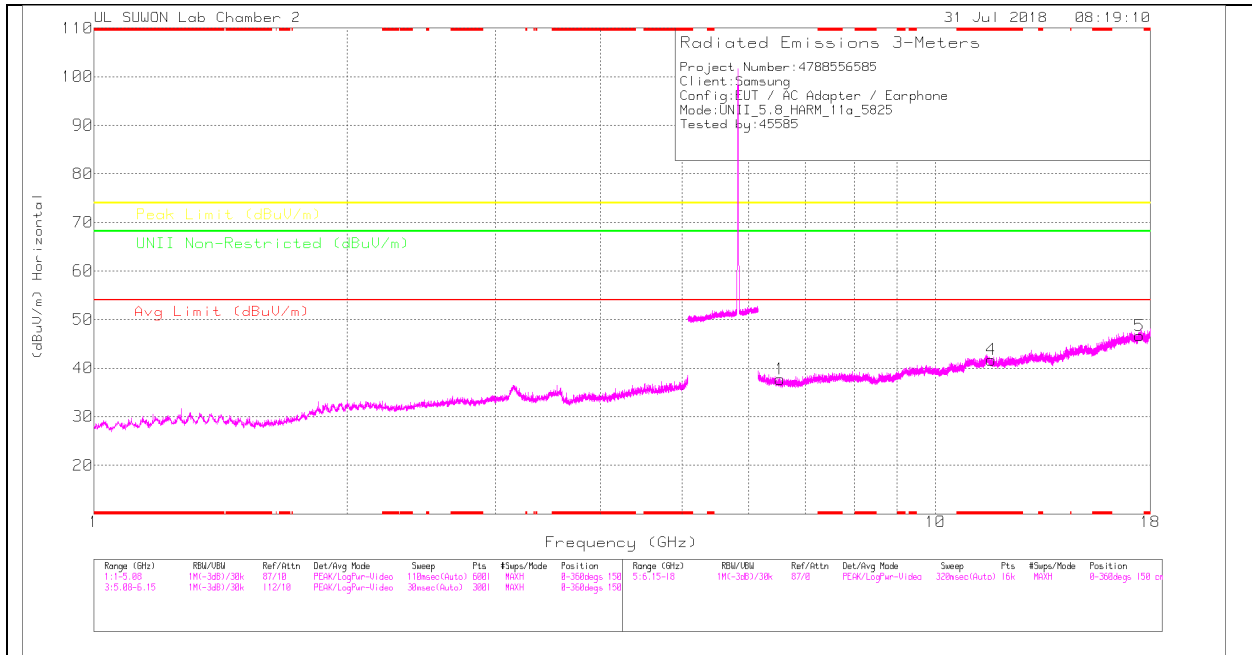
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	170531_3117(001887_24)	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.473	24.43	PK	35.1	-21.9	0	37.63	-	-	-	-	68.2	-30.57	0-360	150	H
4	* 11.571	19.44	PK	38.2	-15.9	0	41.74	-	-	74	-32.26	-	-	0-360	250	H
5	17.356	17.41	PK	41.4	-13.3	0	45.51	-	-	-	-	68.2	-22.69	0-360	250	H
2	6.47	24.93	PK	35.1	-21.9	0	38.13	-	-	-	-	68.2	-30.07	0-360	150	V
3	* 11.568	19.24	PK	38.2	-15.9	0	41.54	-	-	74	-32.46	-	-	0-360	250	V
6	17.356	17.79	PK	41.4	-13.3	0	45.89	-	-	-	-	68.2	-22.31	0-360	250	V

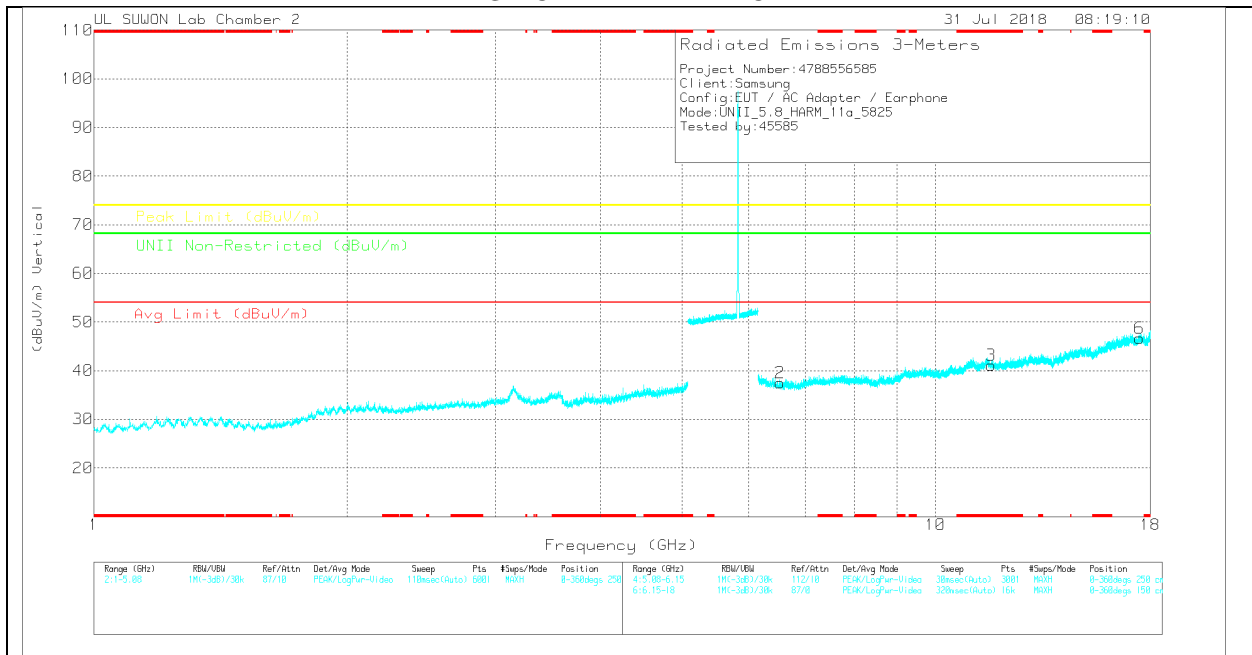
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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	170531_3117003887_24	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unfil Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.534	24.98	PK	35.1	-22.4	0	37.68	-	-	-	-	68.2	-30.52	0-360	150	H
4	*11.651	19.29	PK	38.1	-15.7	0	41.69	-	-	74	-32.31	-	-	0-360	250	H
5	17.475	17.59	PK	41.3	-12.2	0	46.69	-	-	-	-	68.2	-21.51	0-360	150	H
2	6.536	24.76	PK	35.1	-22.4	0	37.46	-	-	-	-	68.2	-30.74	0-360	250	V
3	*11.651	18.76	PK	38.1	-15.7	0	41.16	-	-	74	-32.84	-	-	0-360	150	V
6	17.476	17.72	PK	41.2	-12.2	0	46.72	-	-	-	-	68.2	-21.48	0-360	150	V

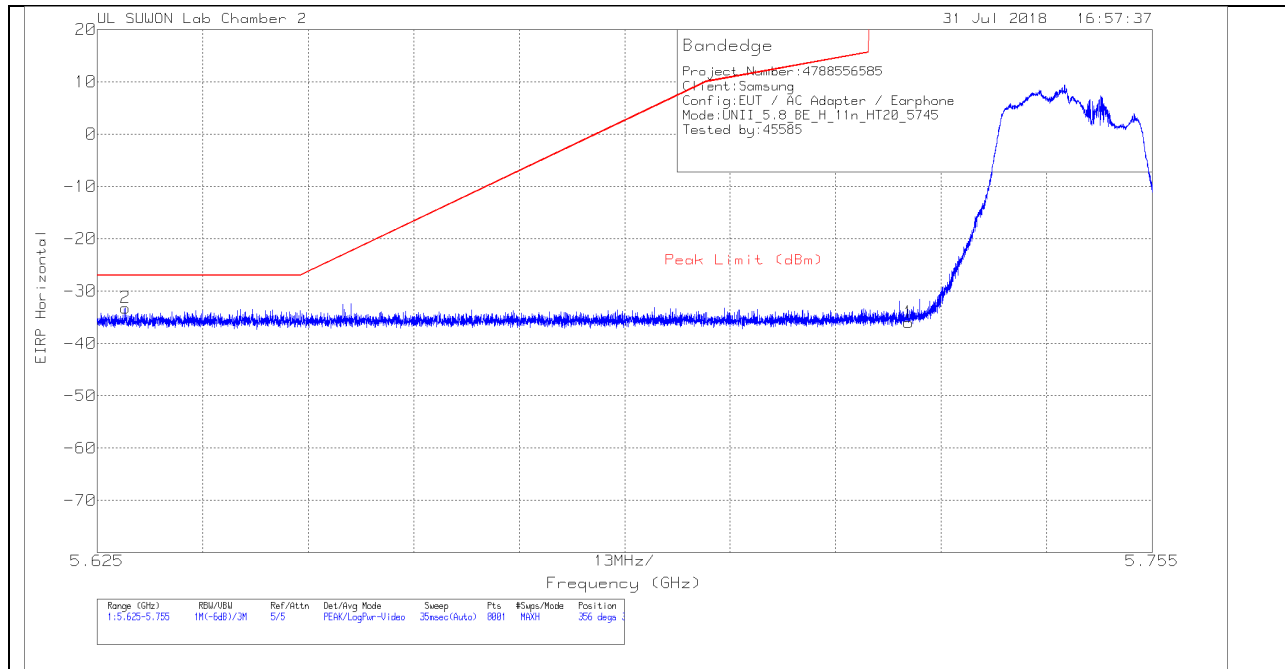
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak Detector

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

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

HORIZONTAL PEAK PLOT



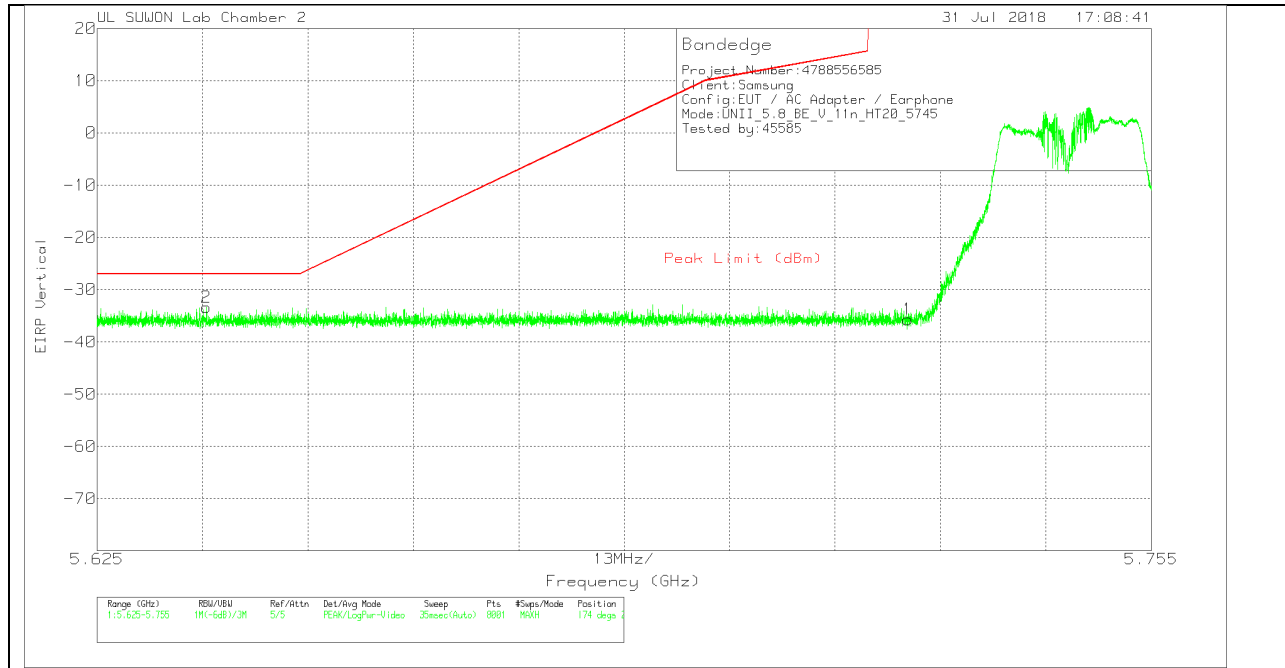
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	Path_2_10dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.7	Pk	34.5	-15.6	11.8	0	-36	278.26	-314.26	356	354	H
2	5.629	-63.69	Pk	34.4	-15.7	11.8	0	-33.19	-27	-6.19	356	354	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

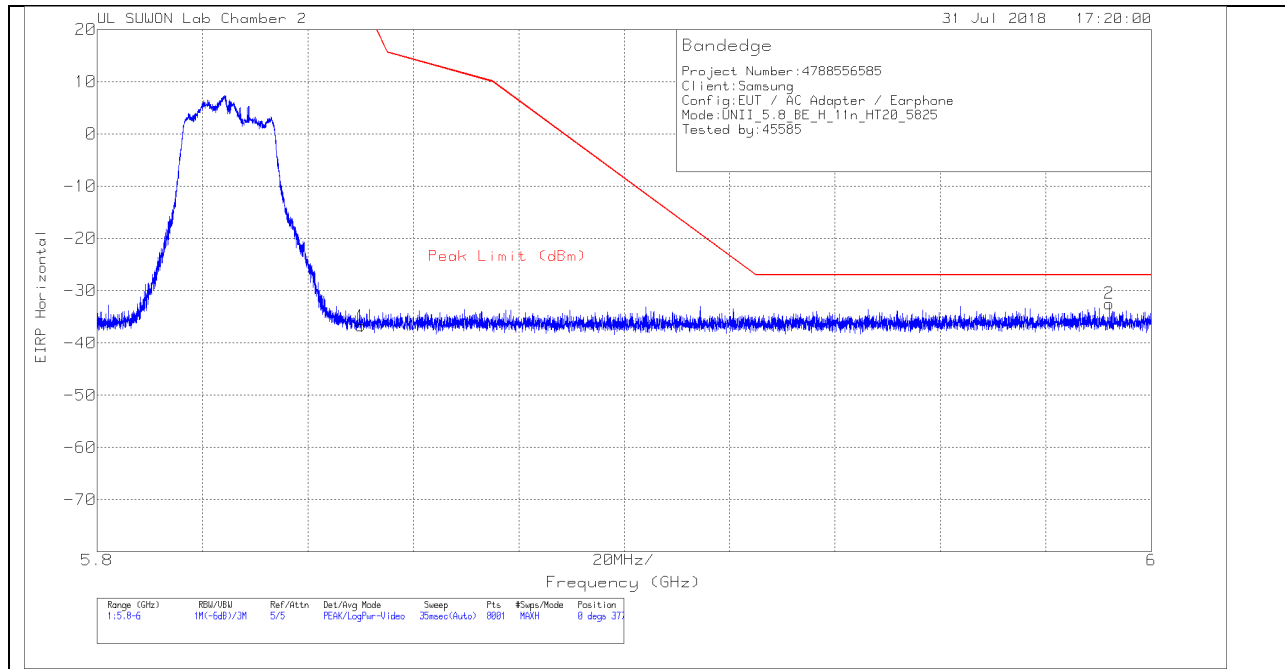
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	Path_2_10dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.39	Pk	34.5	-15.6	11.8	0	-35.69	278.26	-313.95	174	222	V
2	5.639	-63.89	Pk	34.4	-15.7	11.8	0	-33.39	-27	-6.39	174	222	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



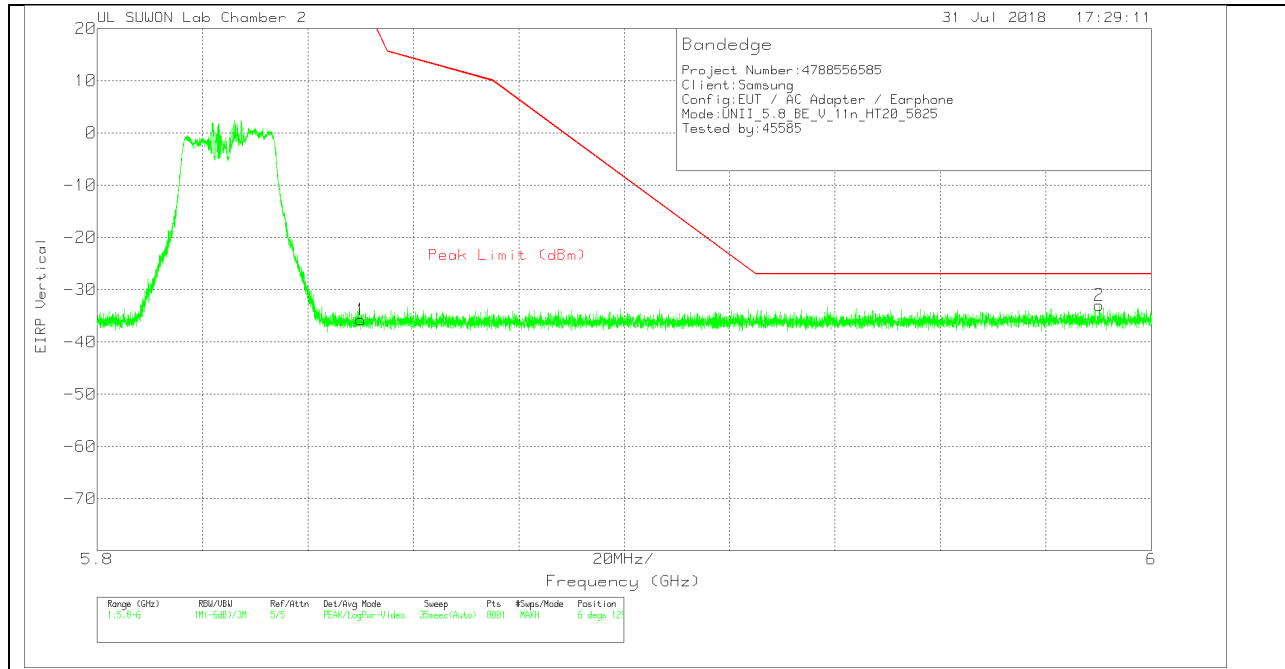
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	Path_2_10dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.55	Pk			11.8	0	-36.75	26.94	-63.69	0	377	H
2	5.992	-63.66	Pk			11.8	0	-32.46	-27	-5.46	0	377	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	Path_2_10dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.56	Pk	34.5	-15.5	11.8	0	-35.76	26.94	-62.7	6	129	V
2	5.99	-64.17	Pk	34.8	-15.4	11.8	0	-32.97	-27	-5.97	6	129	V

Pk - Peak detector