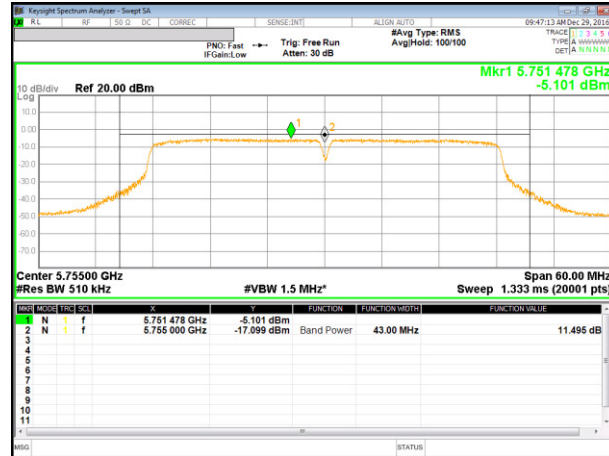
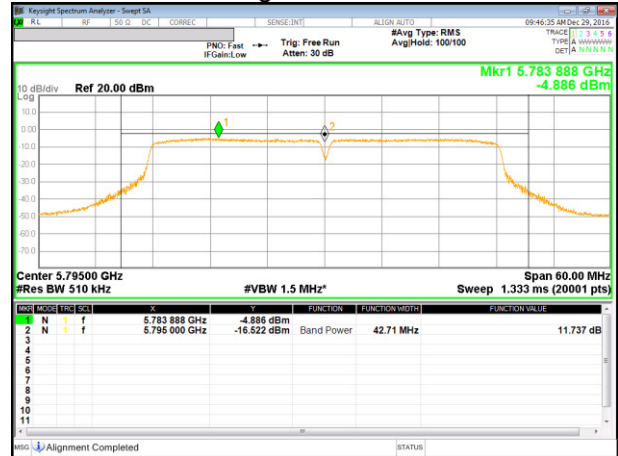


UNII 5.8 GHz IEEE 802.11n HT40 mode

11n HT40 Mode Low Channel

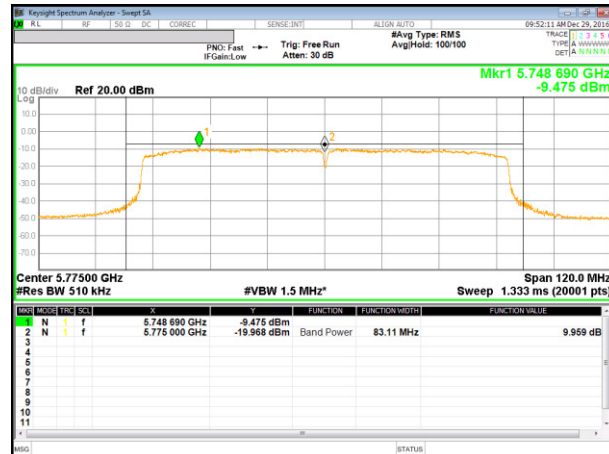


11n HT40 Mode High Channel



UNII 5.8 GHz IEEE 802.11ac VHT80 mode

11ac HT80 Mode Middle Channel



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 v01r03 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 1 GHz 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.

Formula for converting the field strength from uV/m to dBuV/m is:

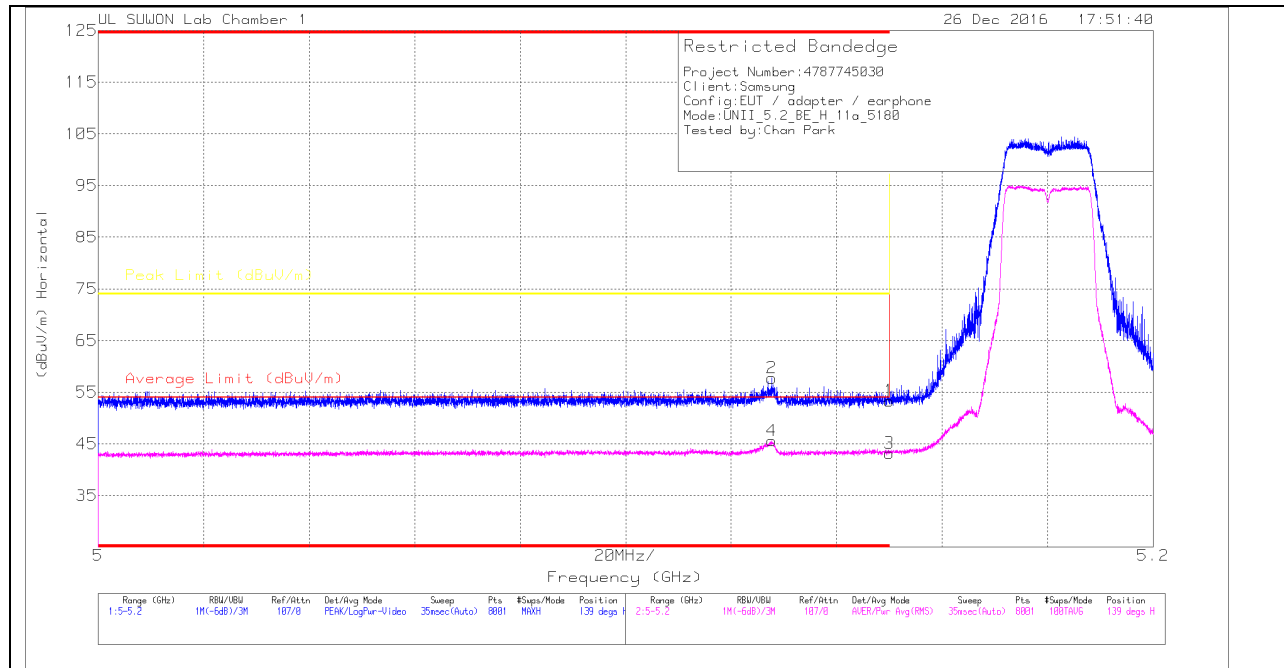
$$\text{Limit (dBuV/m)} = 20 \log \text{limit (uV/m)}$$

11.1. 5.2 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

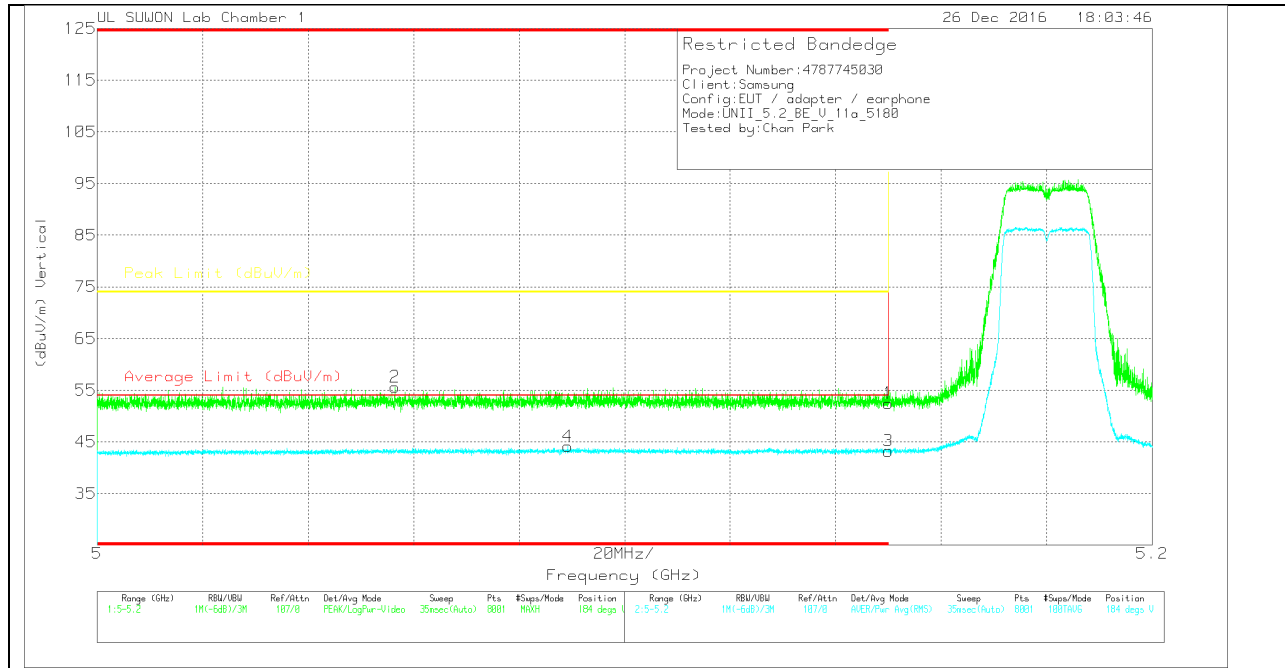
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 171_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.93	Pk	34.2	-23.8	0	53.33	-	-	74	-20.67	139	113	H
2	* 5.128	47.34	Pk	34.2	-23.8	0	57.74	-	-	74	-16.26	139	113	H
3	* 5.15	32.5	RMS	34.2	-23.8	.3	43.2	54	-10.8	-	-	139	113	H
4	* 5.128	34.89	RMS	34.2	-23.8	.3	45.59	54	-8.41	-	-	139	113	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168 717)_15061 9	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.06	Pk		-23.8	0	52.46	-	-	74	-21.54	184	178	V
2	* 5.056	45.51	Pk		-24	0	55.61	-	-	74	-18.39	184	178	V
3	* 5.15	32.56	RMS		-23.8	.3	43.26	54	-10.74	-	-	184	178	V
4	* 5.089	33.42	RMS		-23.8	.3	44.12	54	-9.88	-	-	184	178	V

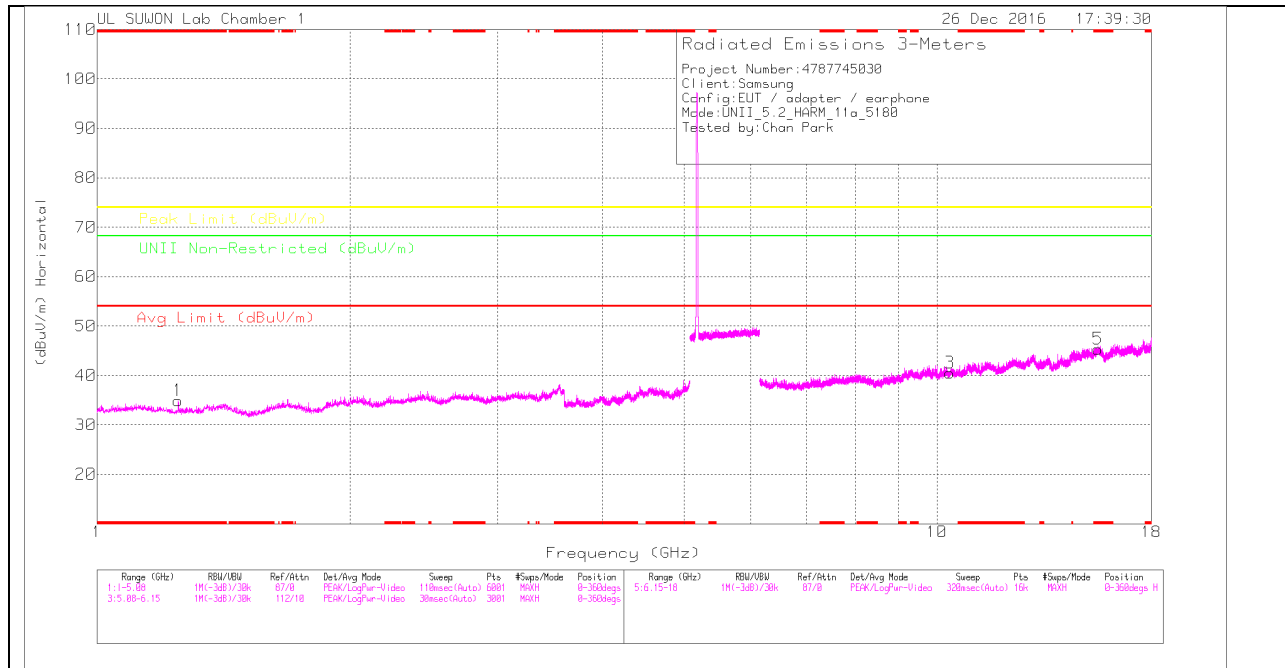
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

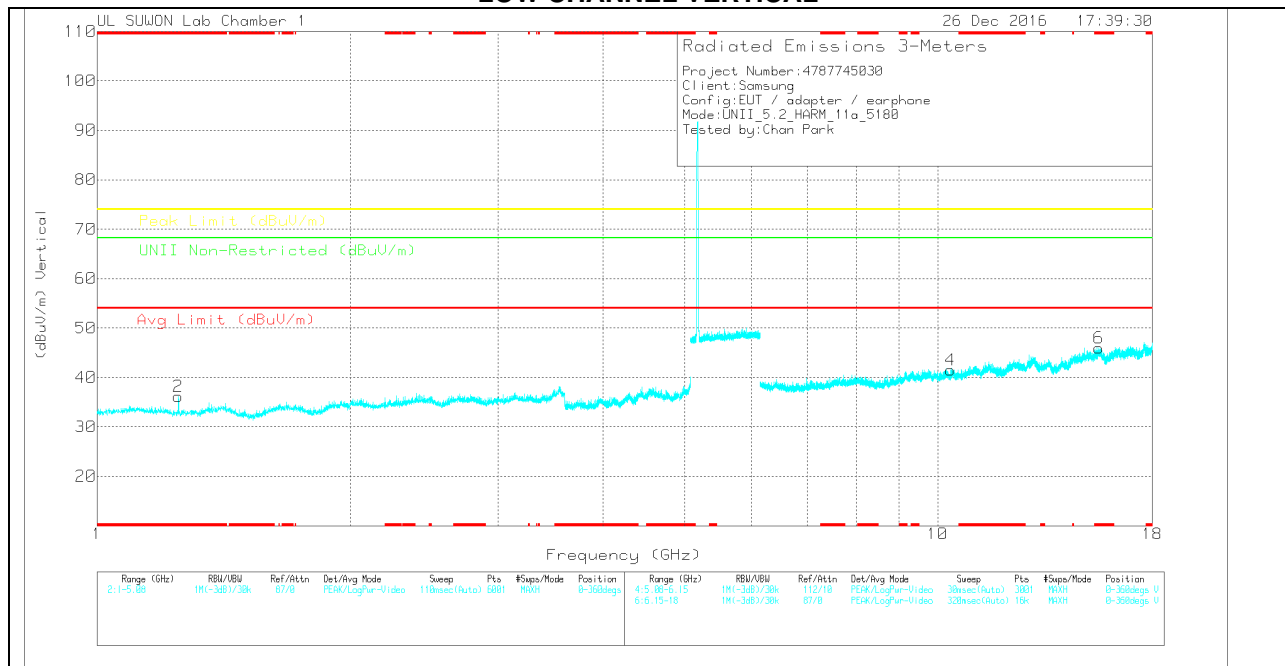
RMS - RMS detection

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

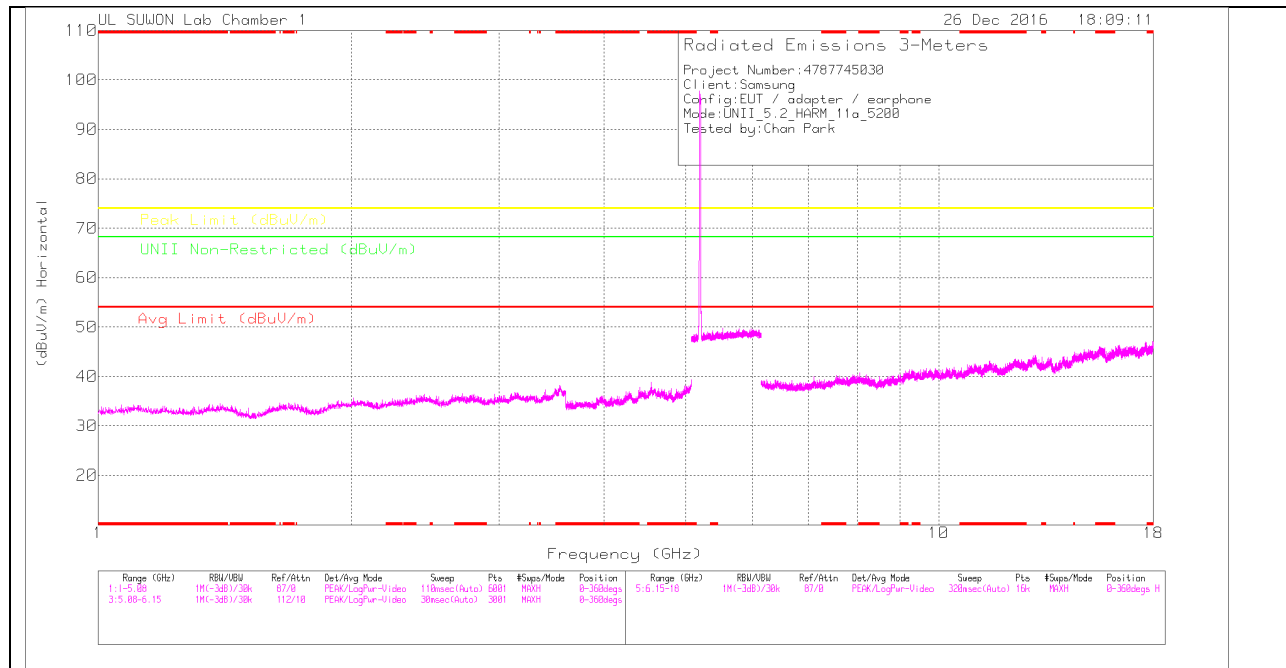
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.84	Pk	28.3	-39.2	0	34.94	-	-	74	-39.06	-	-	0-360	150	H
2	* 1.25	47.05	Pk	28.3	-39.2	0	36.15	-	-	74	-37.85	-	-	0-360	250	V
3	10.362	30.03	Pk	37.8	-27.3	0	40.53	-	-	-	-	68.2	-27.67	0-360	250	H
5	* 15.543	23.06	Pk	40.3	-18	0	45.36	-	-	74	-28.64	-	-	0-360	150	H
4	10.359	31.07	Pk	37.8	-27.4	0	41.47	-	-	-	-	68.2	-26.73	0-360	250	V
6	* 15.544	23.55	Pk	40.3	-17.9	0	45.95	-	-	74	-28.05	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

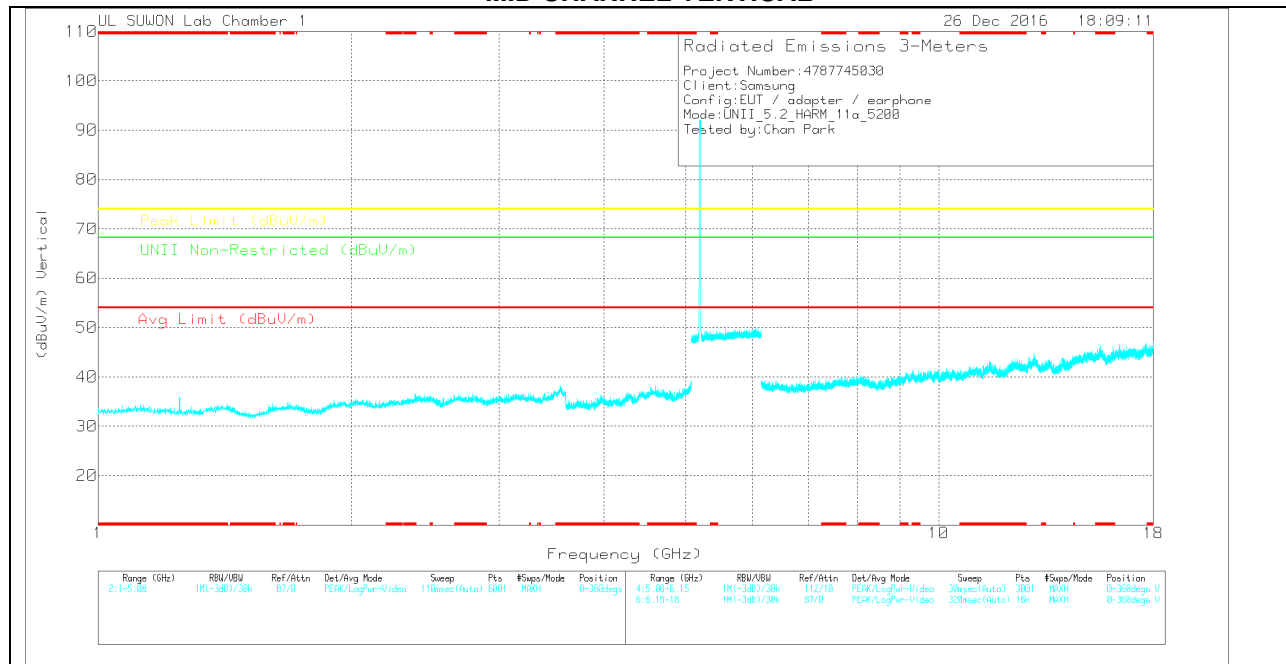
Pk – Peak detector

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

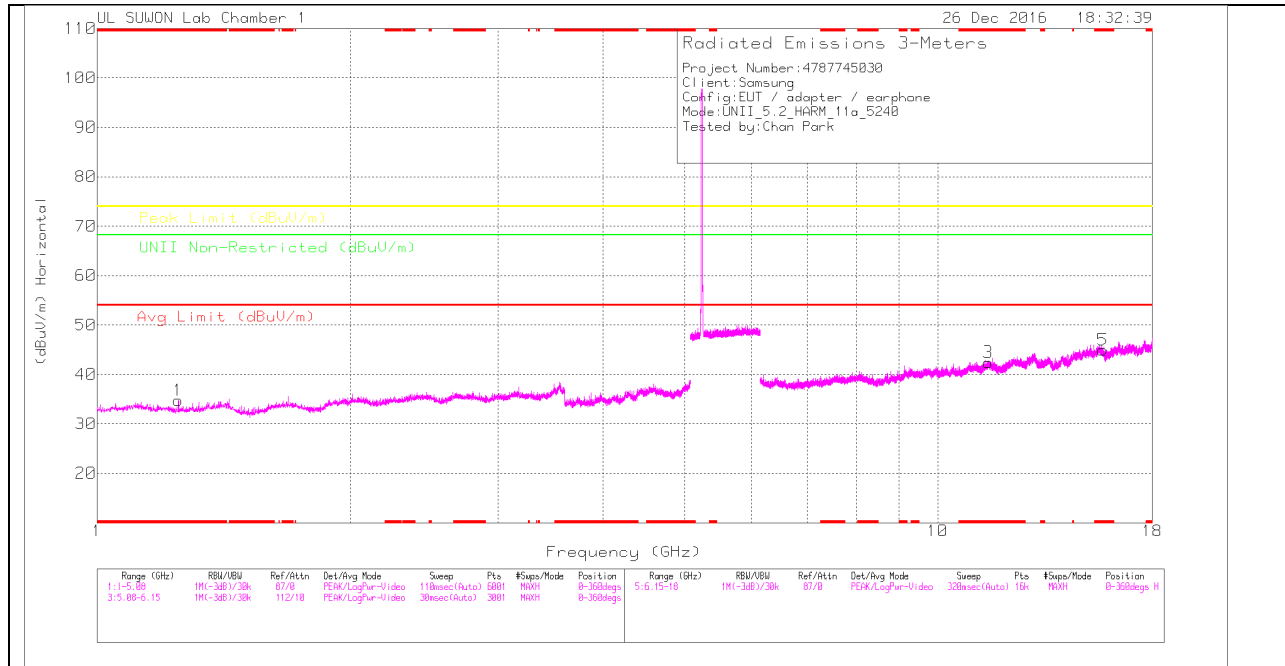
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	44.53	Pk	28.3	-39.2	0	33.63	-	-	74	-40.37	-	-	0-360	250	H
2	* 1.25	46.78	Pk	28.3	-39.2	0	35.88	-	-	74	-38.12	-	-	0-360	250	V
3	10.401	29.83	Pk	37.8	-26.8	0	40.83	-	-	-	-	68.2	-27.37	0-360	250	H
4	10.399	30.41	Pk	37.8	-26.8	0	41.41	-	-	-	-	68.2	-26.79	0-360	150	V
5	* 15.606	20.79	Pk	40.3	-15.9	0	45.19	-	-	74	-28.81	-	-	0-360	150	V
6	* 15.598	21.09	Pk	40.3	-16.1	0	45.29	-	-	74	-28.71	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

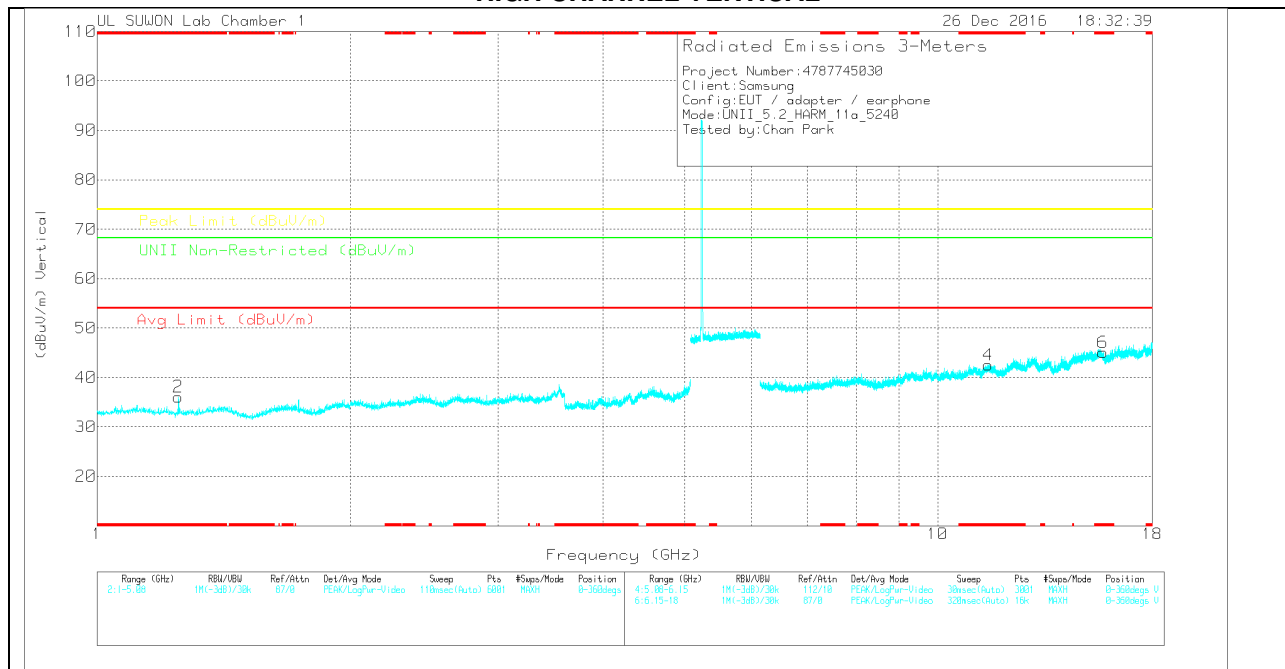
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	45.64	Pk	28.3	-39.2	0	34.74	-	-	74	-39.26	-	-	0-360	150	H
2	* 1.25	46.96	Pk	28.3	-39.2	0	36.06	-	-	74	-37.94	-	-	0-360	250	V
3	* 11.483	31.21	Pk	38.6	-27.4	0	42.41	-	-	74	-31.59	-	-	0-360	250	H
5	* 15.721	21.62	Pk	40.4	-17.1	0	44.92	-	-	74	-29.08	-	-	0-360	250	H
4	* 11.482	31.33	Pk	38.6	-27.4	0	42.53	-	-	74	-31.47	-	-	0-360	250	V
6	* 15.725	21.54	Pk	40.4	-16.9	0	45.04	-	-	74	-28.96	-	-	0-360	150	V

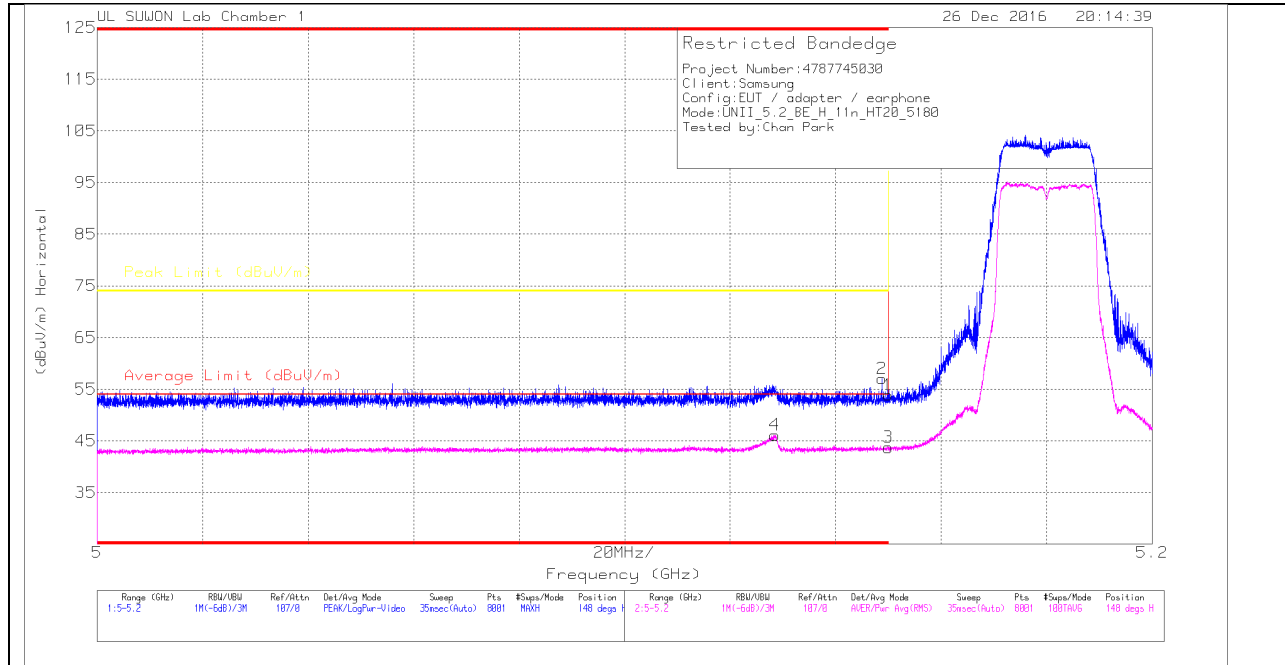
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

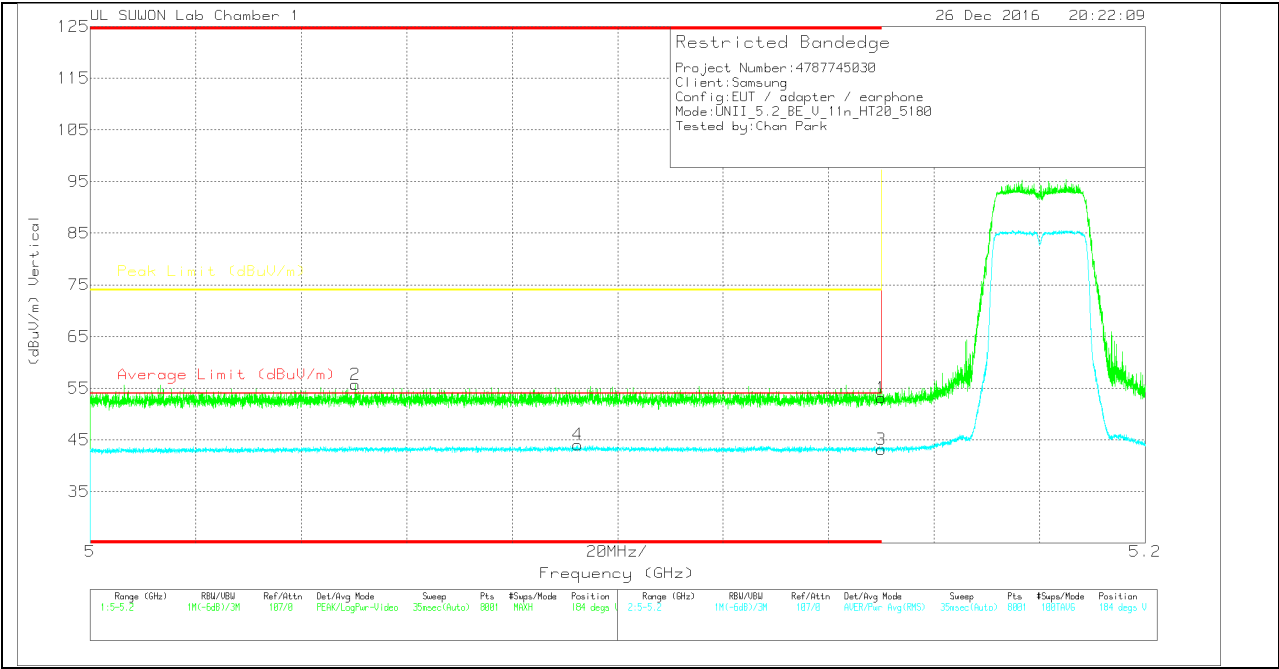
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/00168 717/_15061 9	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.47	Pk		-23.8	0	53.87	-	-	74	-20.13	148	102	H
2	* 5.149	46.66	Pk		-23.8	0	57.06	-	-	74	-16.94	148	102	H
3	* 5.15	33.02	RMS		-23.8	.32	43.74	54	-10.26	-	-	148	102	H
4	* 5.128	35.43	RMS		-23.8	.32	46.15	54	-7.85	-	-	148	102	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/00168 717/_15061 9	10dB[dB]	DC Corr [dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.73	Pk		-23.8	0	53.13	-	-	74	-20.87	184	249	V
2	* 5.05	45.6	Pk		-24	0	55.7	-	-	74	-18.3	184	249	V
3	* 5.15	32.45	RMS		-23.8	.32	43.17	54	-10.83	-	-	184	249	V
4	* 5.092	33.33	RMS		-23.8	.32	44.05	54	-9.95	-	-	184	249	V

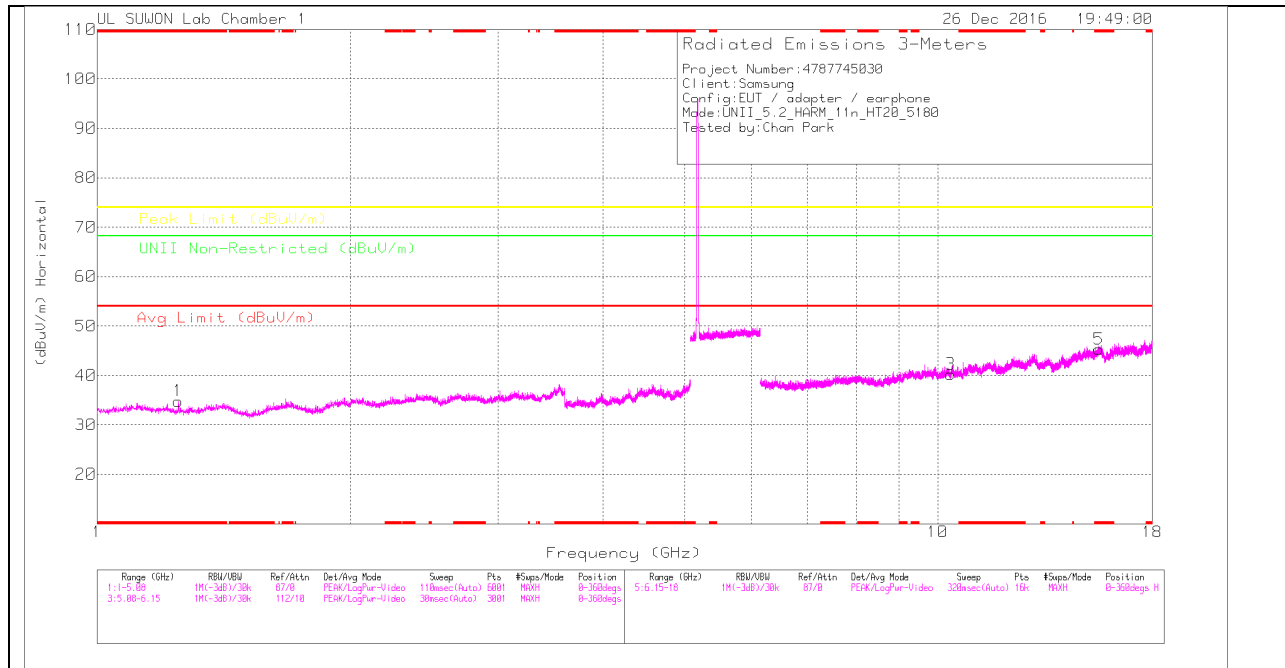
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

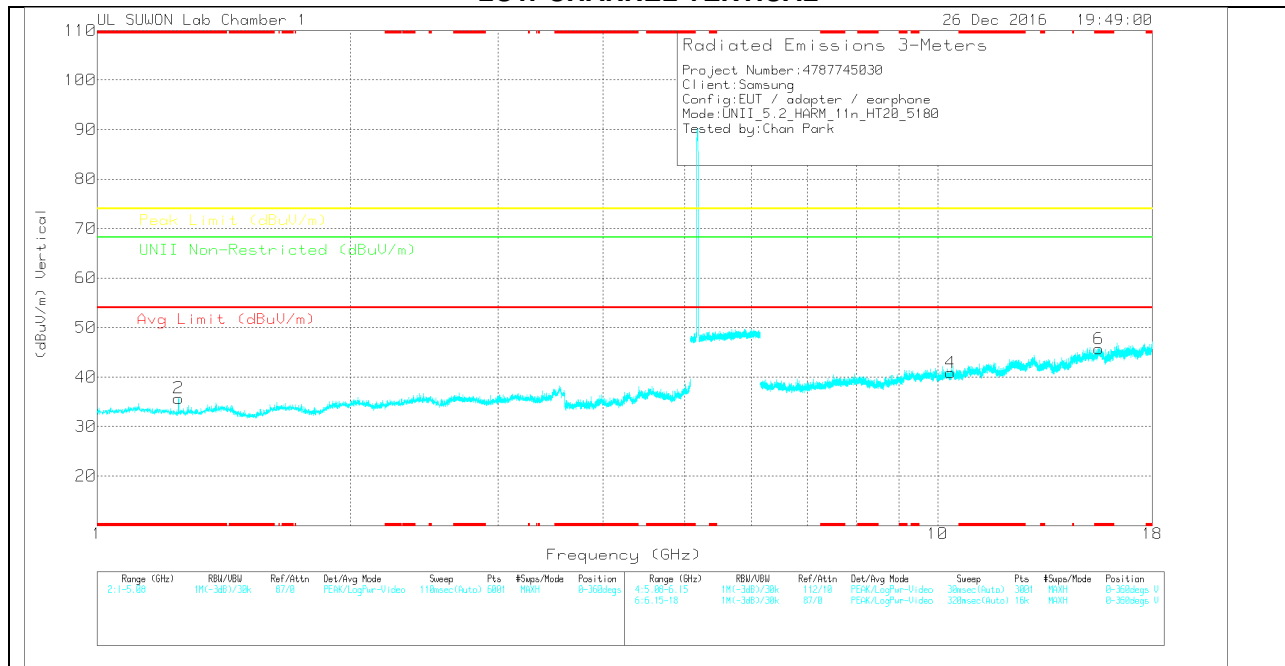
RMS - RMS detection

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

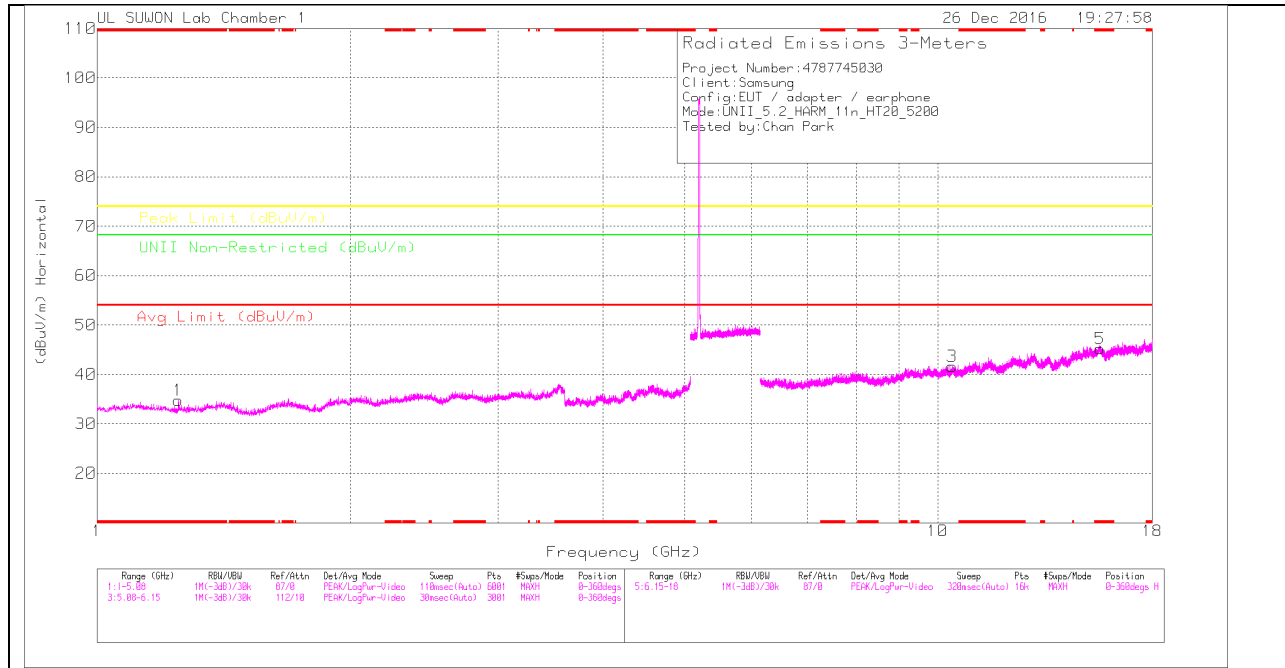
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.72	Pk	28.3	-39.2	0	34.82	-	-	74	-39.18	-	-	0-360	150	H
2	* 1.25	46.61	Pk	28.3	-39.2	0	35.71	-	-	74	-38.29	-	-	0-360	250	V
3	10.362	29.85	Pk	37.8	-27.4	0	40.25	-	-	-	-	68.2	-27.95	0-360	250	H
5	* 15.541	23.1	Pk	40.3	-18.1	0	45.3	-	-	74	-28.7	-	-	0-360	250	H
4	10.363	30.35	Pk	37.8	-27.3	0	40.85	-	-	-	-	68.2	-27.35	0-360	250	V
6	* 15.543	23.4	Pk	40.3	-18	0	45.7	-	-	74	-28.3	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

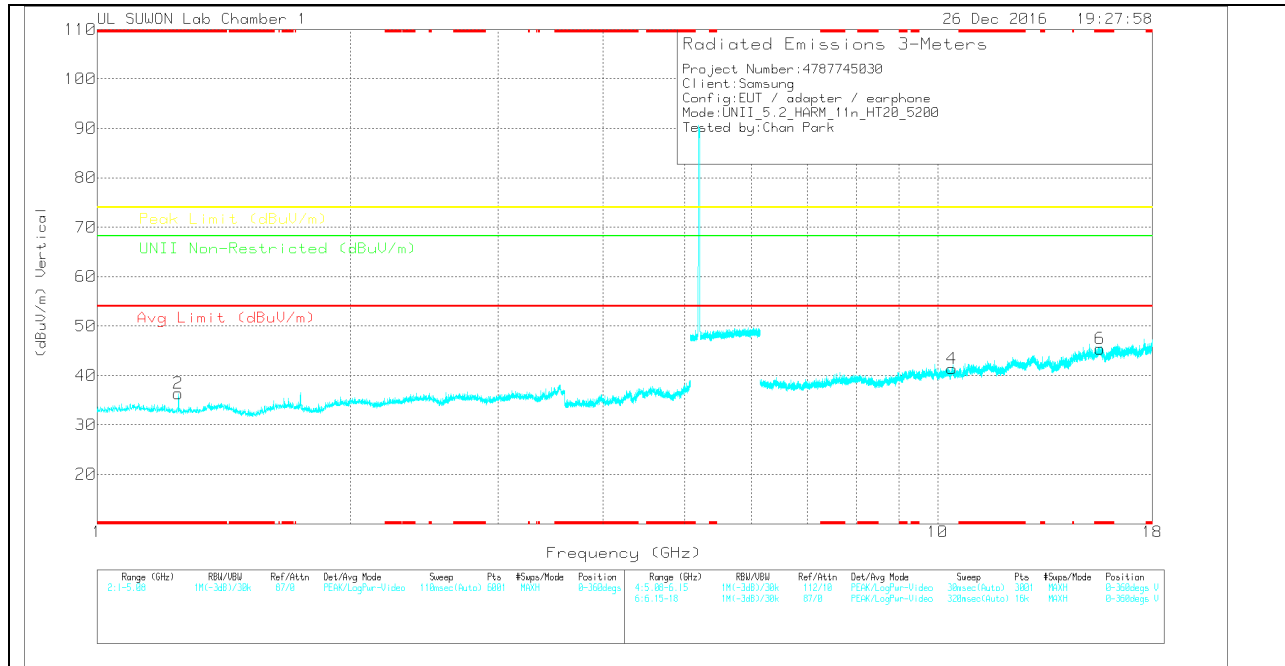
Pk – Peak detector

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

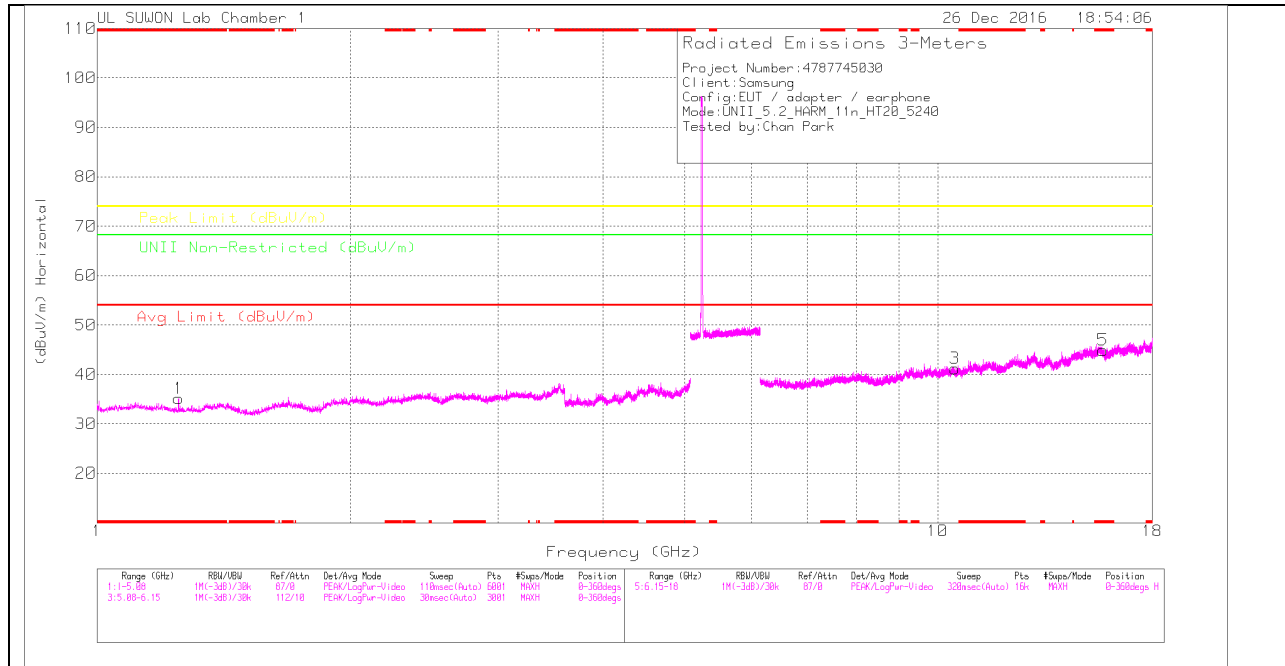
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.66	Pk	28.3	-39.2	0	34.76	-	-	74	-39.24	-	-	0-360	150	H
2	* 1.25	47.26	Pk	28.3	-39.2	0	36.36	-	-	74	-37.64	-	-	0-360	250	V
3	10.402	30.5	Pk	37.8	-26.7	0	41.6	-	-	-	-	68.2	-26.6	0-360	150	H
5	* 15.598	20.96	Pk	40.3	-16.1	0	45.16	-	-	74	-28.84	-	-	0-360	150	H
4	10.4	30.38	Pk	37.8	-26.8	0	41.38	-	-	-	-	68.2	-26.82	0-360	250	V
6	* 15.602	21.11	Pk	40.3	-16	0	45.41	-	-	74	-28.59	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

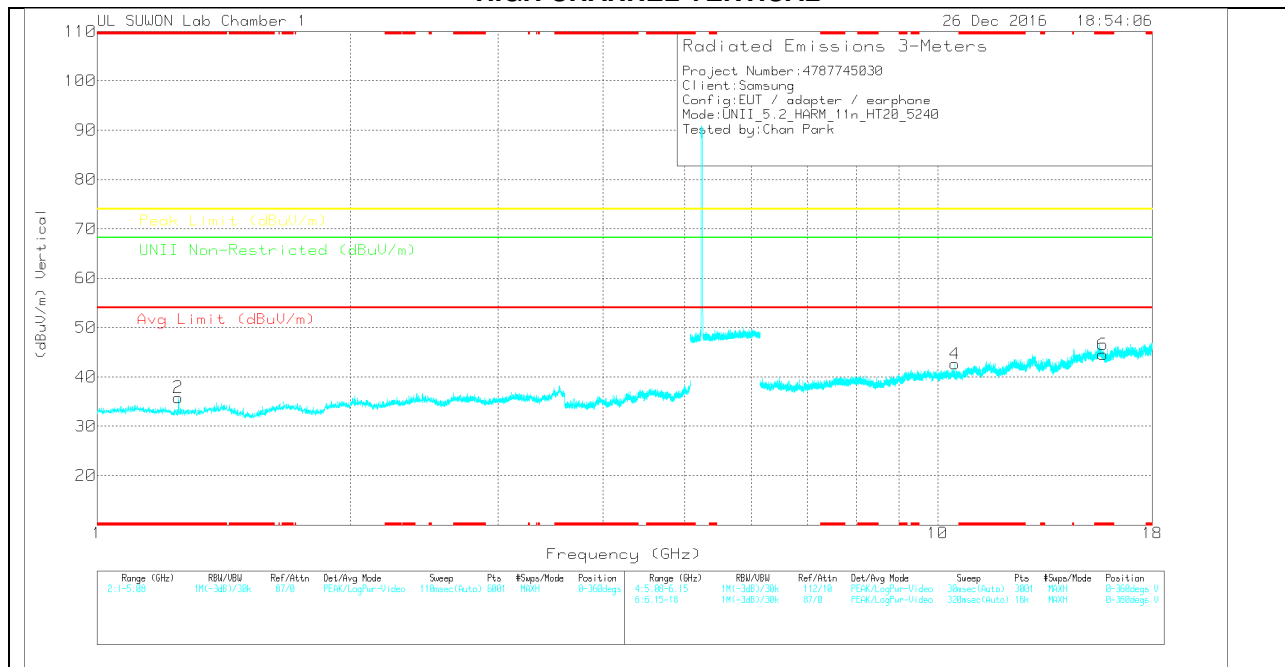
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.03	Pk	28.3	-39.2	0	35.13	-	-	74	-38.87	-	-	0-360	150	H
2	* 1.25	46.73	Pk	28.3	-39.2	0	35.83	-	-	74	-38.17	-	-	0-360	250	V
3	10.479	31.1	Pk	37.8	-27.7	0	41.2	-	-	-	-	68.2	-27	0-360	150	H
5	* 15.723	21.5	Pk	40.4	-17	0	44.9	-	-	74	-29.1	-	-	0-360	150	H
4	10.479	32.56	Pk	37.8	-27.7	0	42.66	-	-	-	-	68.2	-25.54	0-360	150	V
6	* 15.725	21.05	Pk	40.4	-16.9	0	44.55	-	-	74	-29.45	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

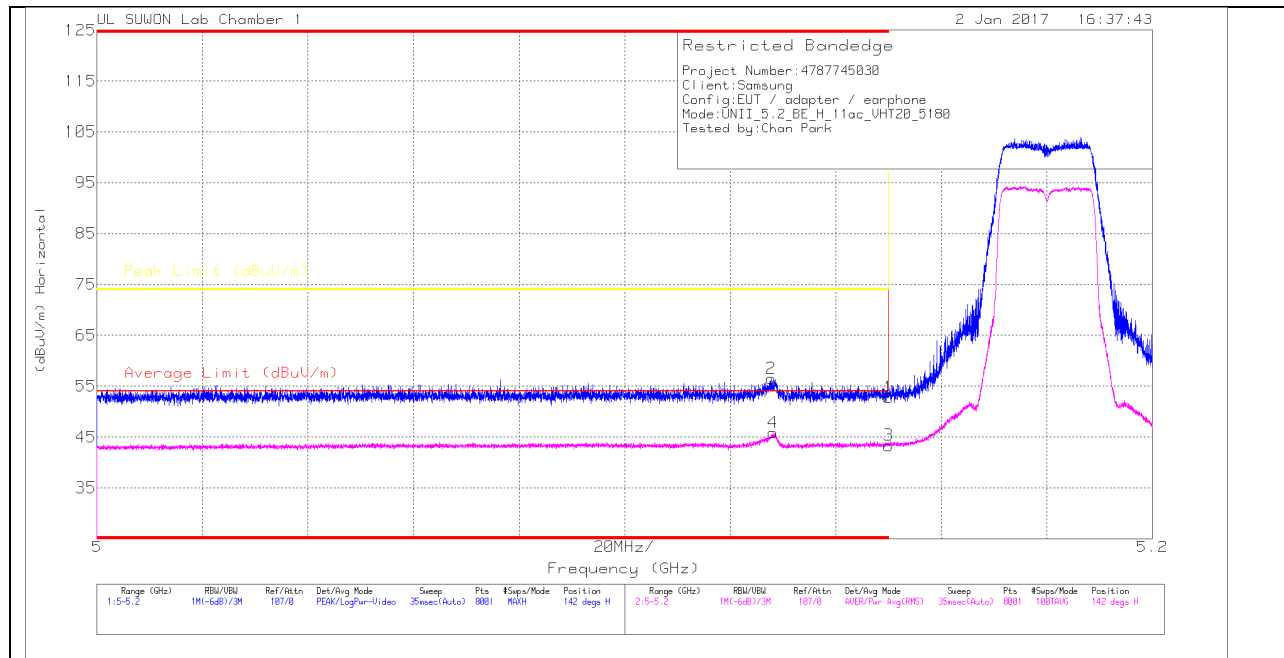
Pk – Peak detector

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 802.11ac VHT20 MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

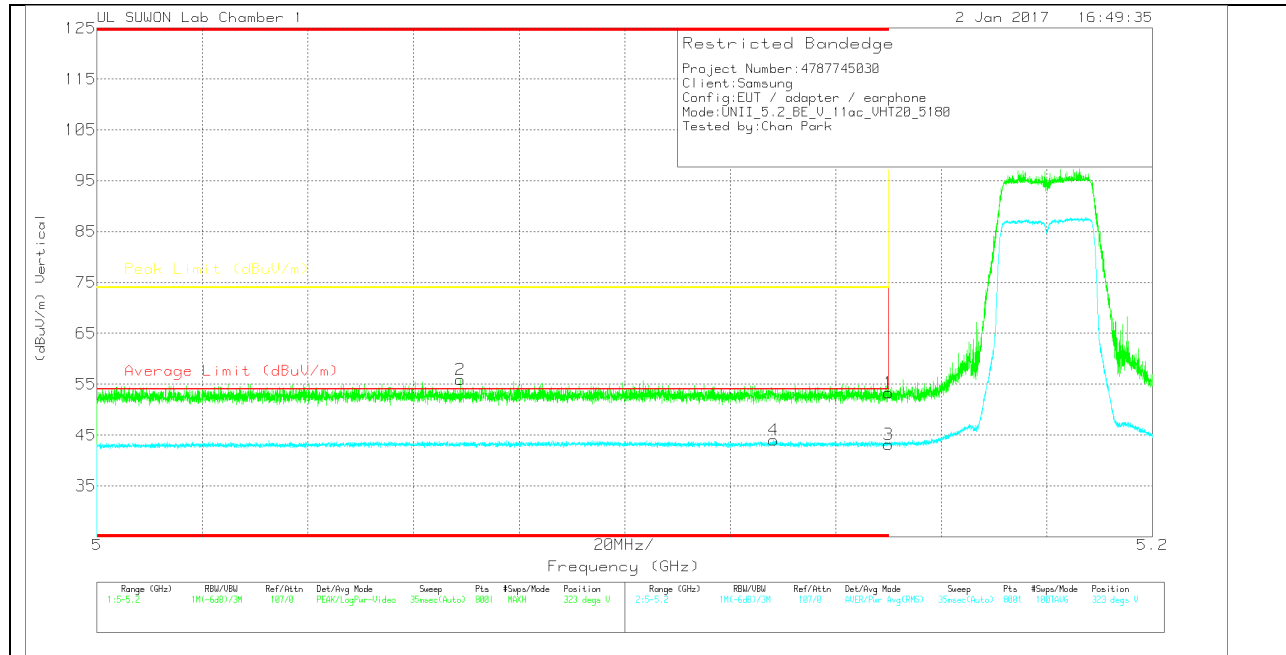
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/00168 717/_15061 9	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.44	Pk		-23.8	0	52.84	-	-	74	-21.16	142	103	H
2	* 5.128	46.06	Pk		-23.8	0	56.46	-	-	74	-17.54	142	103	H
3	* 5.15	32.62	RMS		-23.8	.32	43.34	54	-10.66	-	-	142	103	H
4	* 5.128	35.15	RMS		-23.8	.32	45.87	54	-8.13	-	-	142	103	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/00168 717/_15061 9	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.91	Pk	34.2	-23.8	0	53.31	-	-	74	-20.69	323	362	V
2	* 5.069	45.74	Pk	34.1	-24	0	55.84	-	-	74	-18.16	323	362	V
3	* 5.15	32.44	RMS	34.2	-23.8	.32	43.16	54	-10.84	-	-	323	362	V
4	* 5.128	33.29	RMS	34.2	-23.8	.32	44.01	54	-9.99	-	-	323	362	V

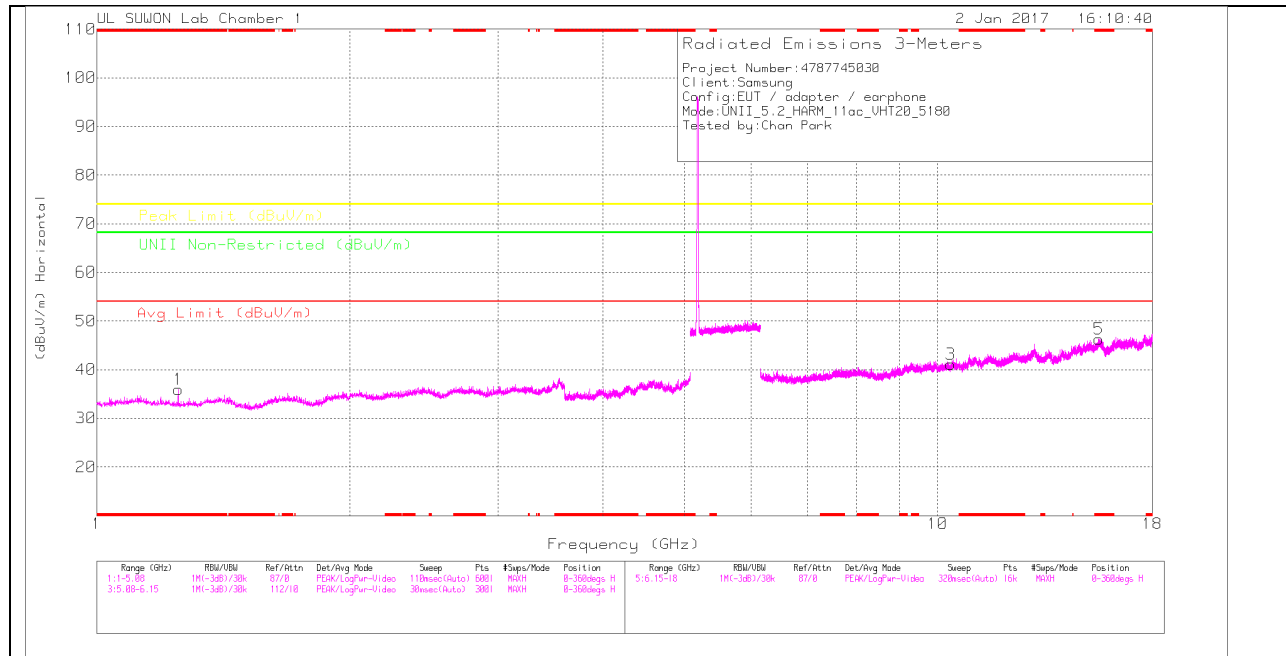
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

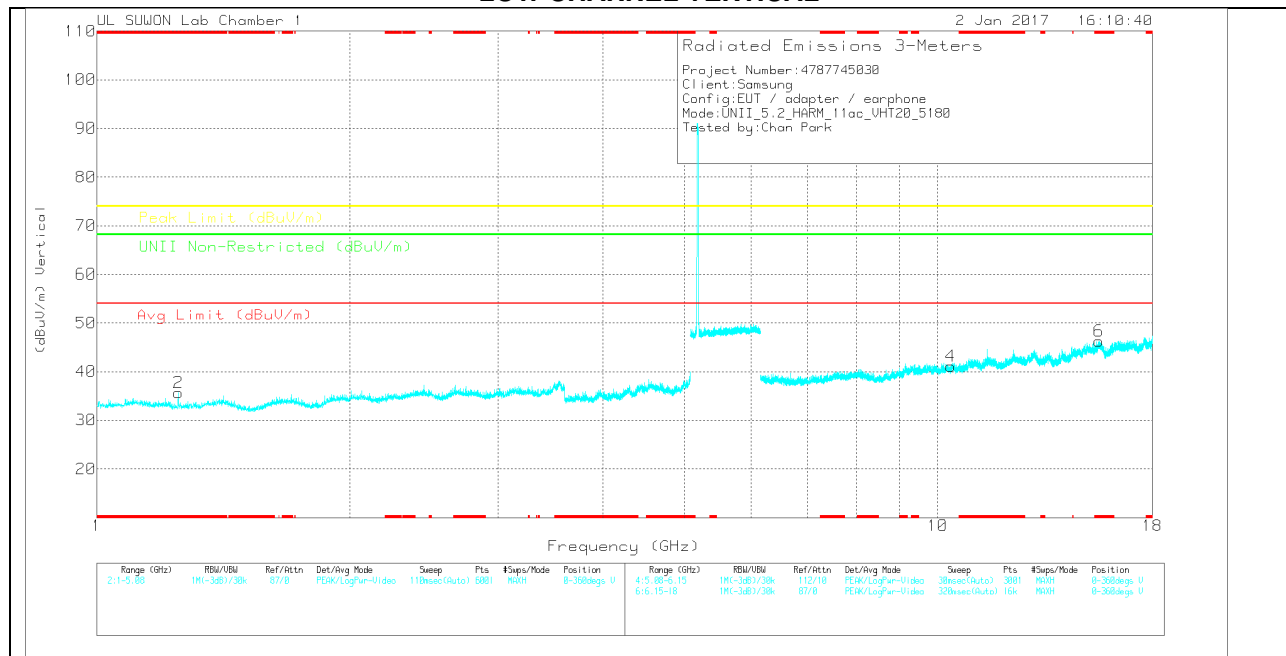
RMS - RMS detection

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

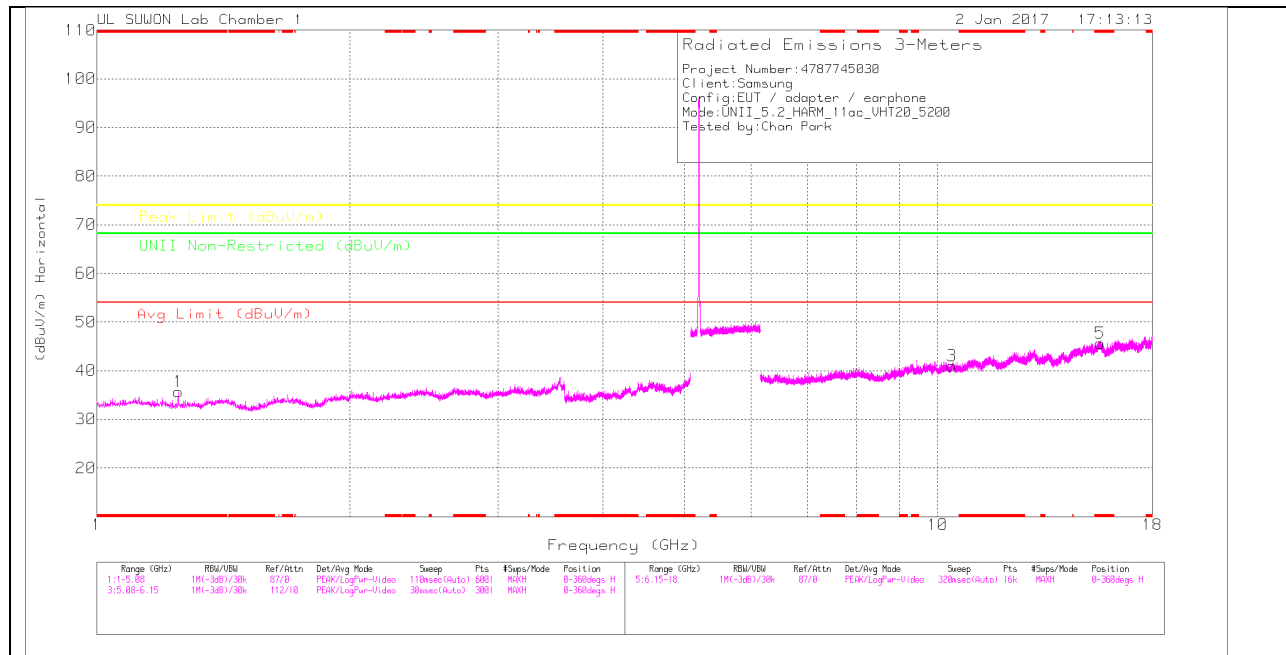
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.85	Pk	28.3	-39.2	0	35.95	-	-	74	-38.05	-	-	0-360	150	H
2	* 1.25	46.59	Pk	28.3	-39.2	0	35.69	-	-	74	-38.31	-	-	0-360	250	V
3	10.363	30.55	Pk	37.8	-27.3	0	41.05	-	-	-	-	68.2	-27.15	0-360	250	H
5	* 15.543	23.92	Pk	40.3	-18	0	46.22	-	-	74	-27.78	-	-	0-360	150	H
4	10.359	30.7	Pk	37.8	-27.4	0	41.1	-	-	-	-	68.2	-27.1	0-360	250	V
6	* 15.541	24.06	Pk	40.3	-18.1	0	46.26	-	-	74	-27.74	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

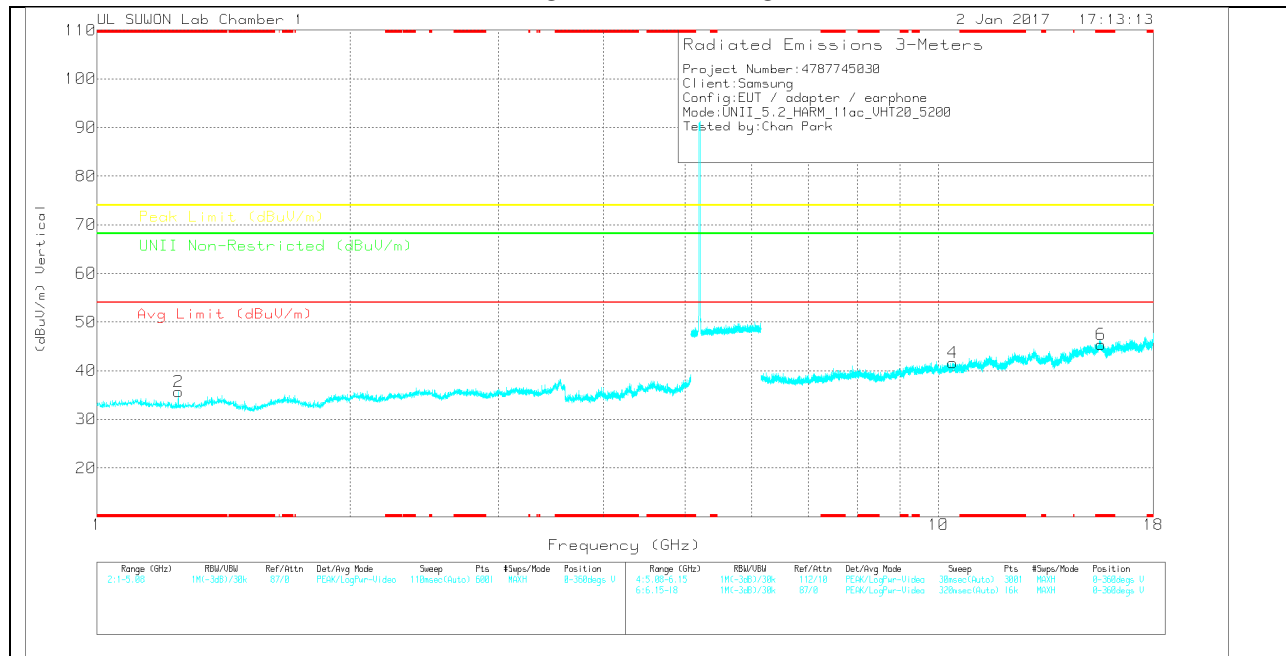
Pk – Peak detector

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

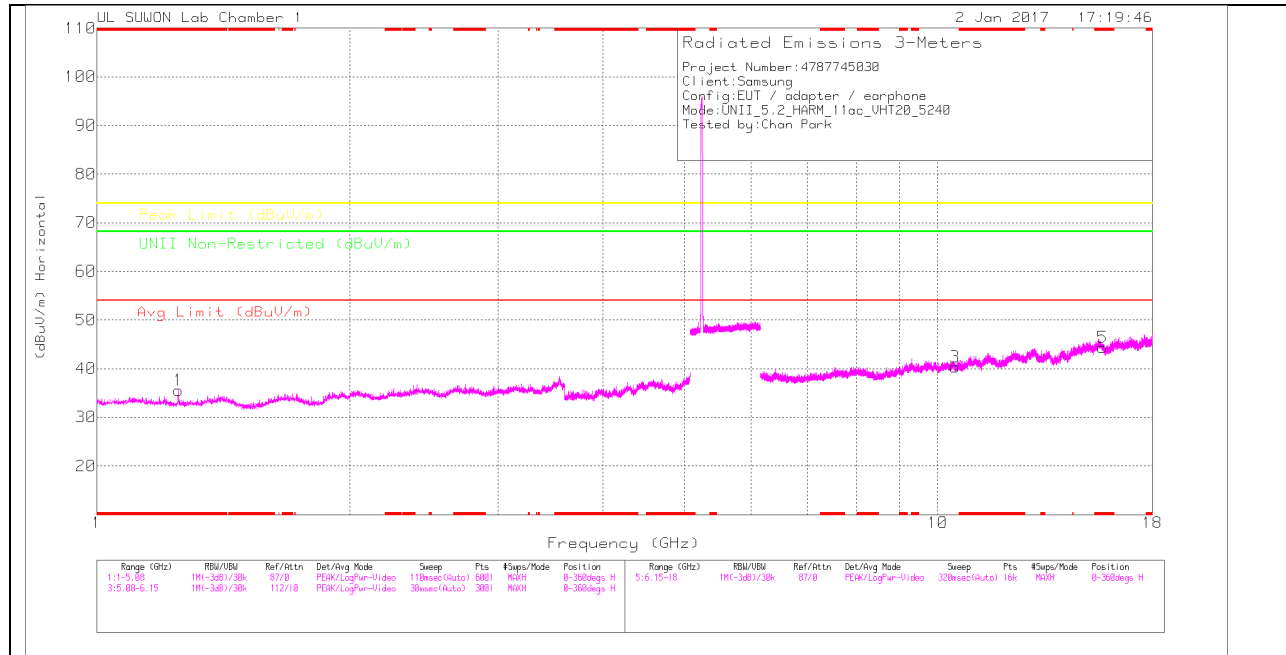
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.63	Pk	28.3	-39.2	0	35.73	-	-	74	-38.27	-	-	0-360	150	H
2	* 1.25	46.53	Pk	28.3	-39.2	0	35.63	-	-	74	-38.37	-	-	0-360	250	V
3	10.404	29.88	Pk	37.8	-26.7	0	40.98	-	-	-	-	68.2	-27.22	0-360	250	H
5	* 15.604	21.22	Pk	40.3	-15.9	0	45.62	-	-	74	-28.38	-	-	0-360	250	H
4	10.4	30.59	Pk	37.8	-26.8	0	41.59	-	-	-	-	68.2	-26.61	0-360	250	V
6	* 15.606	20.98	Pk	40.3	-15.9	0	45.38	-	-	74	-28.62	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

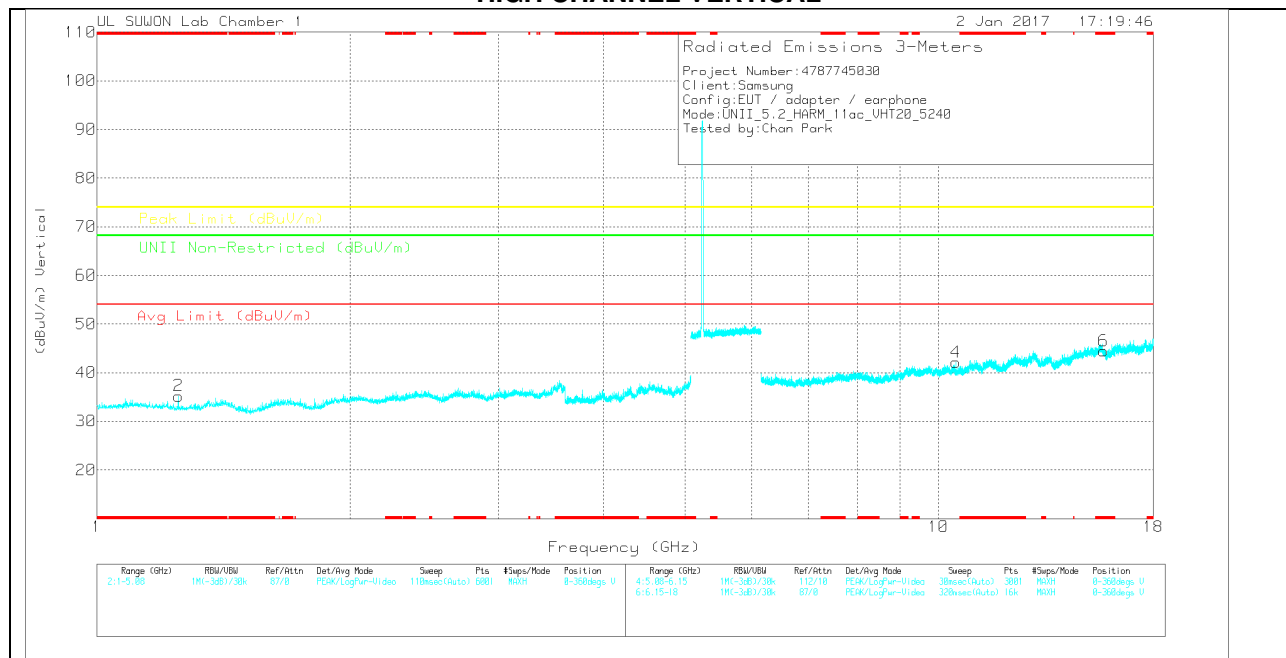
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.43	Pk	28.3	-39.2	0	35.53	-	-	74	-38.47	-	-	0-360	150	H
2	* 1.25	46.12	Pk	28.3	-39.2	0	35.22	-	-	74	-38.78	-	-	0-360	250	V
3	10.485	30.21	Pk	37.8	-27.7	0	40.31	-	-	-	-	68.2	-27.89	0-360	150	H
5	* 15.718	21.12	Pk	40.4	-17.2	0	44.32	-	-	74	-29.68	-	-	0-360	150	H
4	10.48	31.98	Pk	37.8	-27.7	0	42.08	-	-	-	-	68.2	-26.12	0-360	250	V
6	* 15.72	21.31	Pk	40.4	-17.2	0	44.51	-	-	74	-29.49	-	-	0-360	250	V

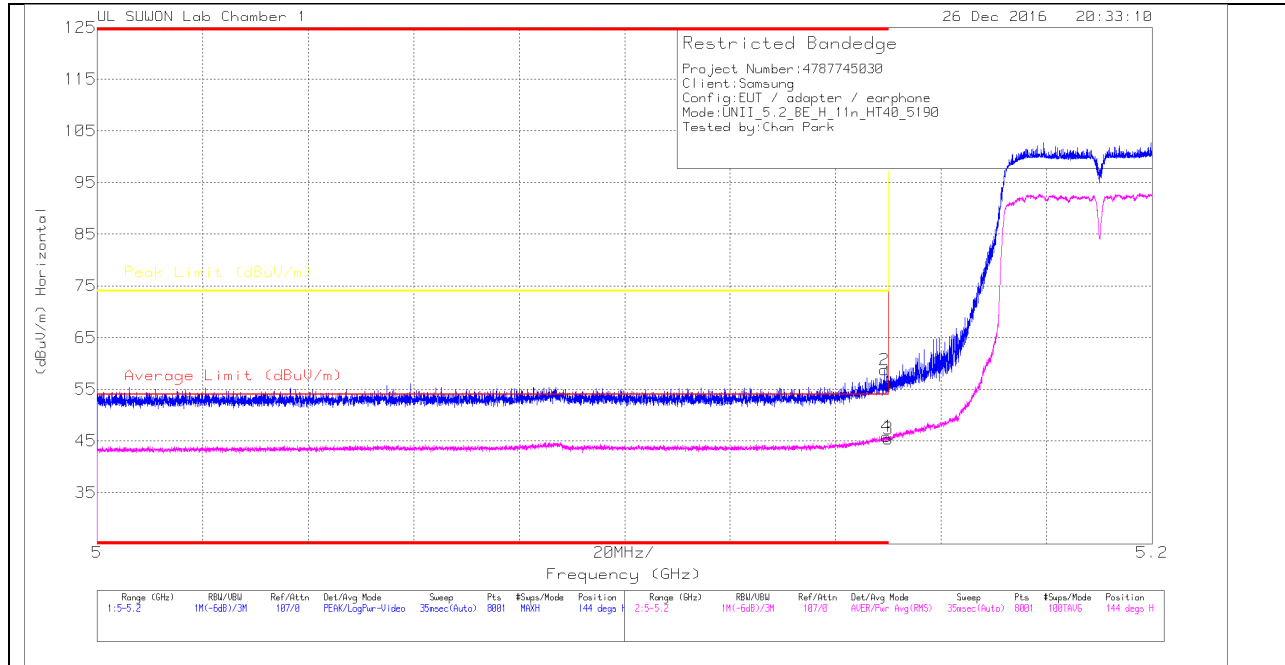
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 802.11n HT40 MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

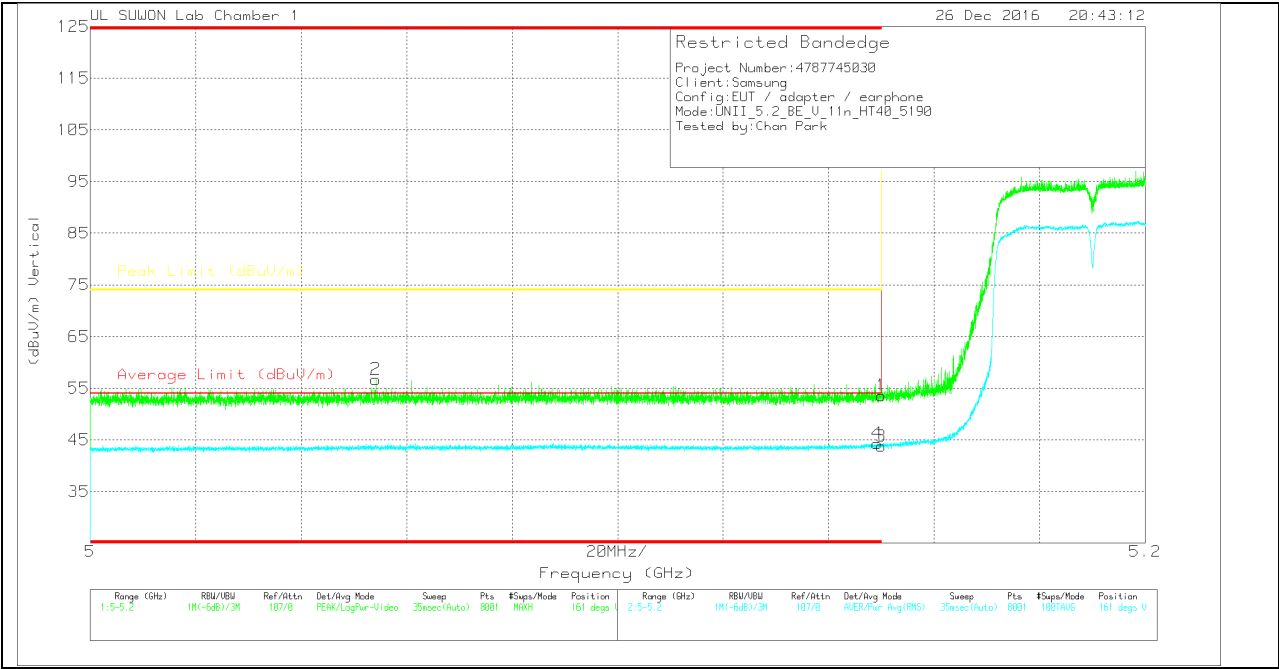
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.88	Pk		-23.8	0	56.28	-	-	74	-17.72	144	102	H
2	* 5.149	48.33	Pk		-23.8	0	58.73	-	-	74	-15.27	144	102	H
3	* 5.15	34.38	RMS		-23.8	.63	45.41	54	-8.59	-	-	144	102	H
4	* 5.15	34.83	RMS		-23.8	.63	45.86	54	-8.14	-	-	144	102	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/00168 717/_15061 9	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.19	Pk		-23.8	0	53.59	-	-	74	-20.41	161	338	V
2	* 5.054	46.63	Pk		-24	0	56.73	-	-	74	-17.27	161	338	V
3	* 5.15	32.76	RMS		-23.8	.63	43.79	54	-10.21	-	-	161	338	V
4	* 5.149	33.29	RMS		-23.8	.63	44.32	54	-9.68	-	-	161	338	V

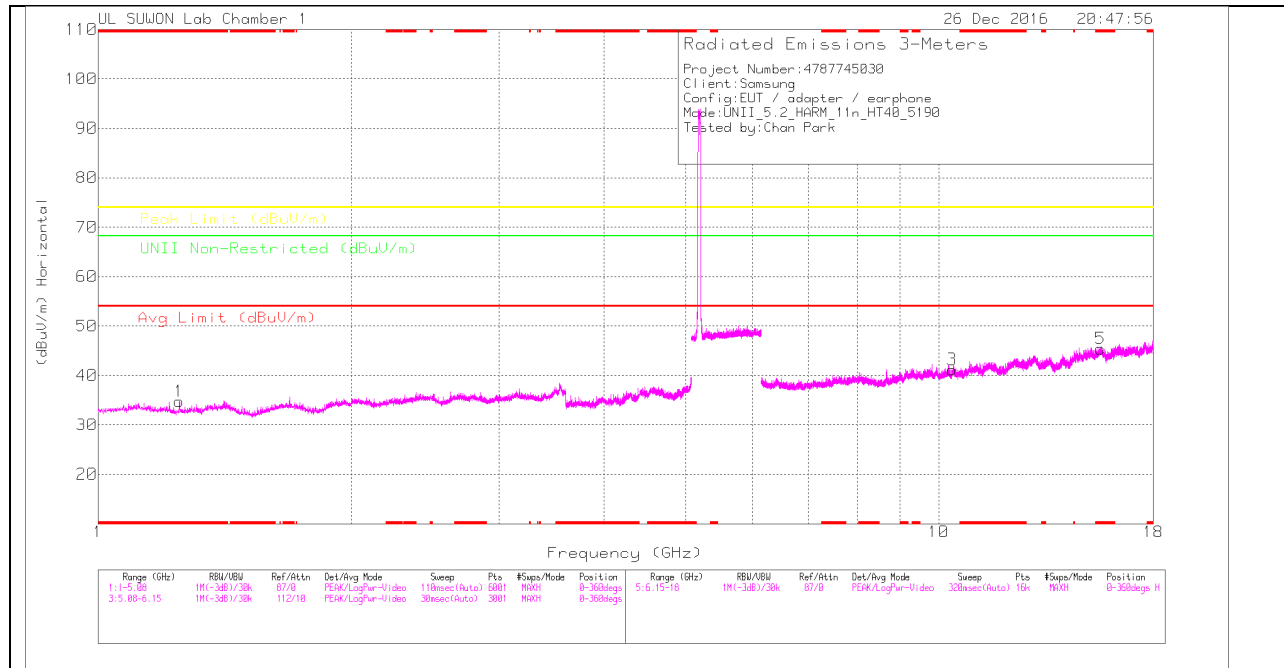
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

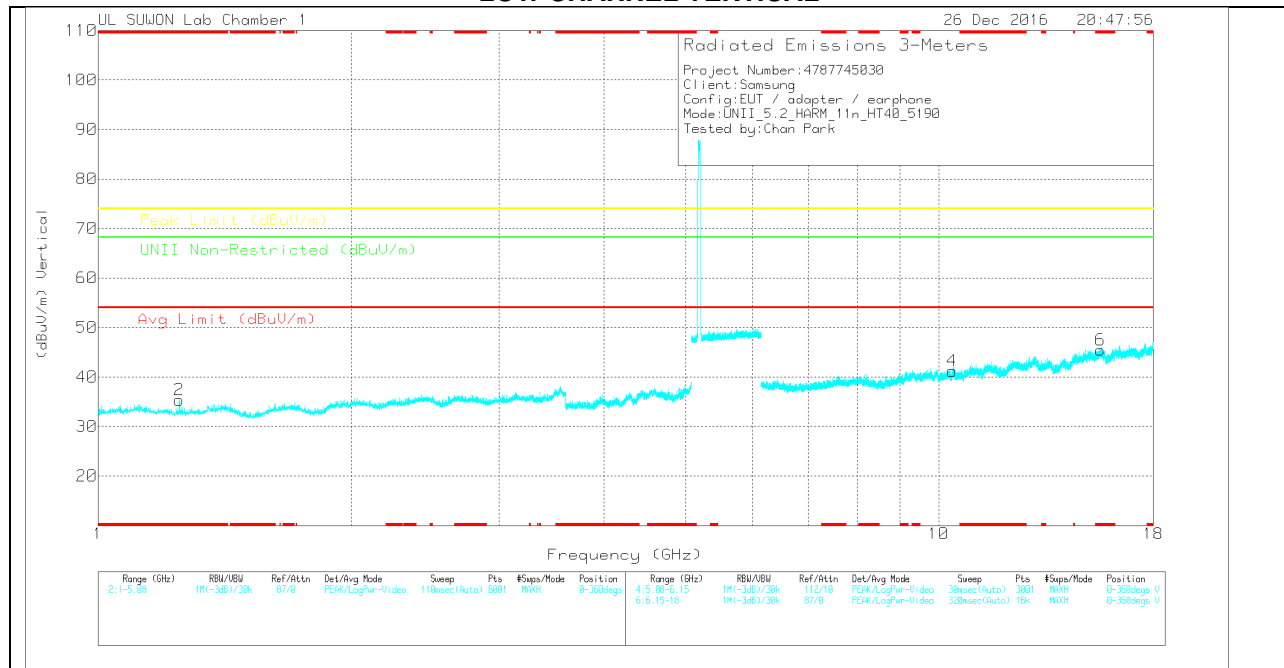
RMS - RMS detection

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

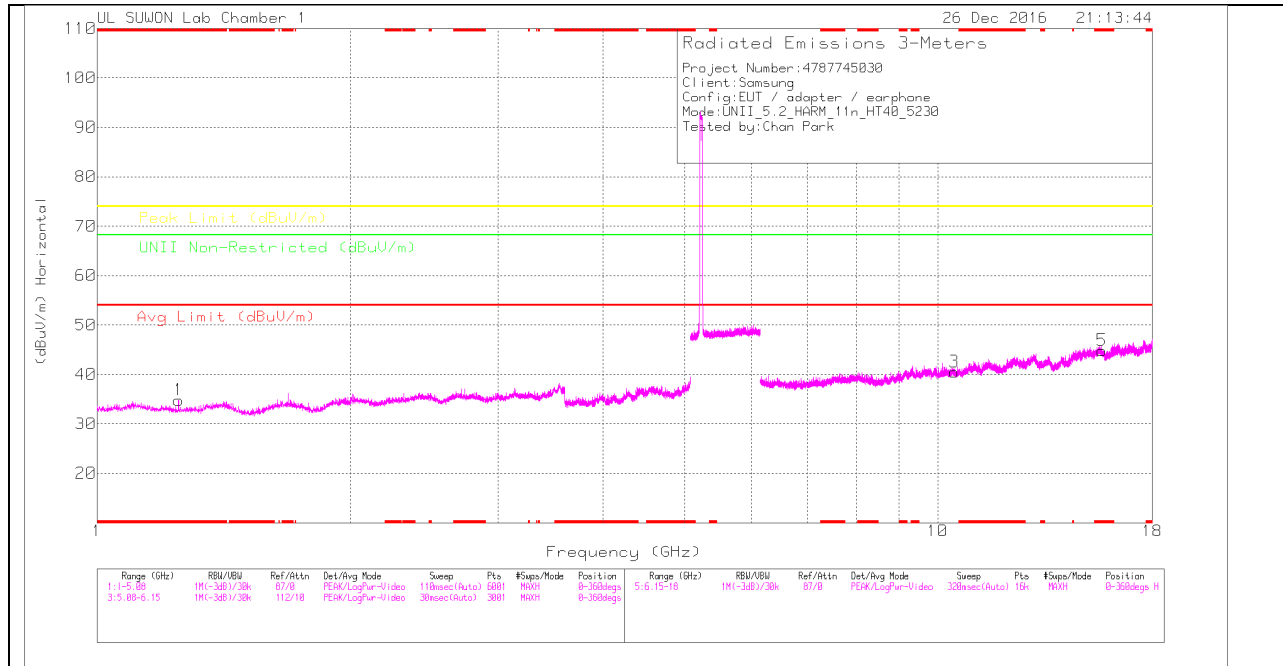
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP(d B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.63	Pk	28.3	-39.2	0	34.73	-	-	74	-39.27	-	-	0-360	150	H
2	* 1.25	46.26	Pk	28.3	-39.2	0	35.36	-	-	74	-38.64	-	-	0-360	250	V
3	10.38	30.37	Pk	37.8	-27	0	41.17	-	-	-	-	68.2	-27.03	0-360	150	H
5	* 15.571	21.91	Pk	40.3	-16.8	0	45.41	-	-	74	-28.59	-	-	0-360	250	H
4	10.379	30.41	Pk	37.8	-27	0	41.21	-	-	-	-	68.2	-26.99	0-360	250	V
6	* 15.567	22.04	Pk	40.3	-16.9	0	45.44	-	-	74	-28.56	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

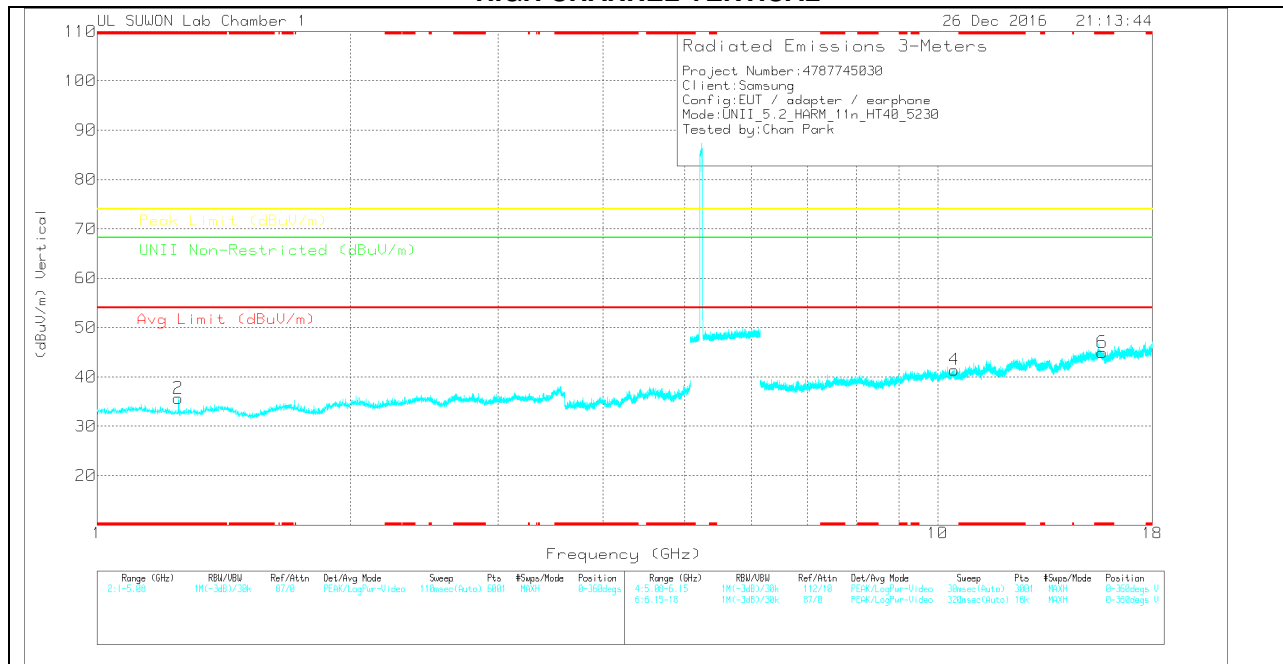
Pk – Peak detector

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	3117/0016 8717/_150 619	5GHz_LP[d B]	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	* 1.25	45.72	Pk	28.3	-39.2	0	34.82	-	-	74	-39.18	-	-	0-360	150	H
2	* 1.25	46.6	Pk	28.3	-39.2	0	35.7	-	-	74	-38.3	-	-	0-360	250	V
3	10.461	30.33	Pk	37.8	-27.6	0	40.53	-	-	-	-	68.2	-27.67	0-360	250	H
5	* 15.692	21.73	Pk	40.4	-17.3	0	44.83	-	-	74	-29.17	-	-	0-360	150	H
4	10.46	31.24	Pk	37.8	-27.6	0	41.44	-	-	-	-	68.2	-26.76	0-360	150	V
6	* 15.694	21.98	Pk	40.4	-17.4	0	44.98	-	-	74	-29.02	-	-	0-360	250	V

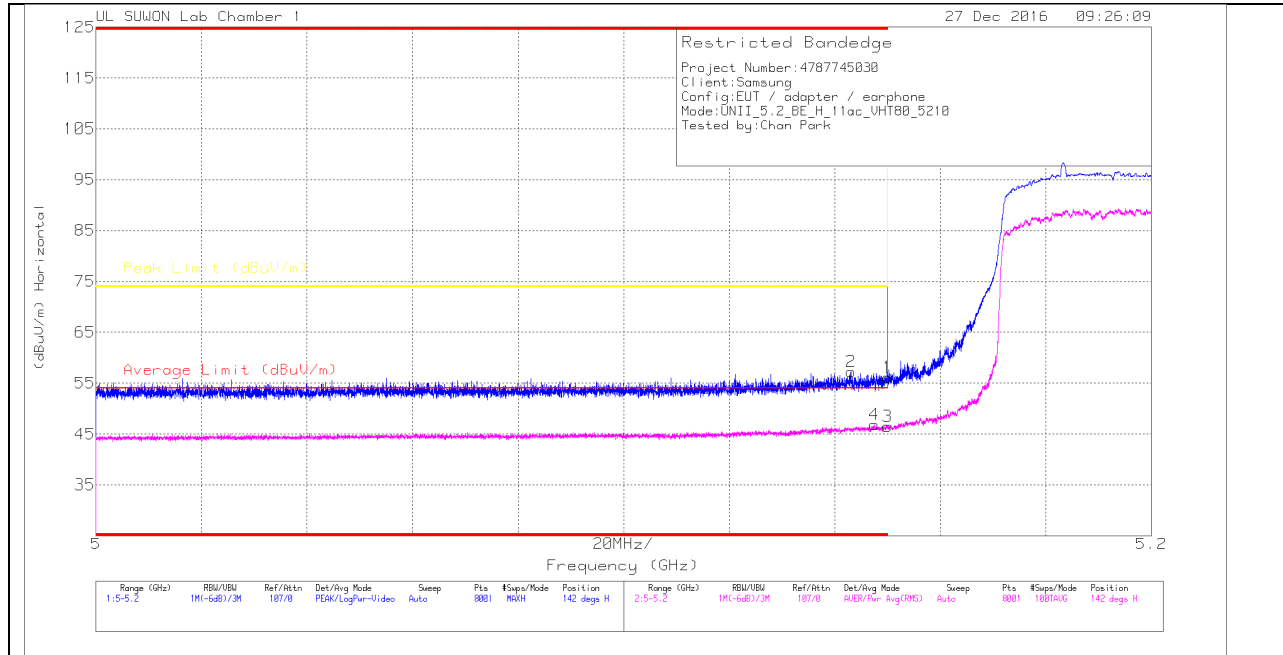
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk – Peak detector

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

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

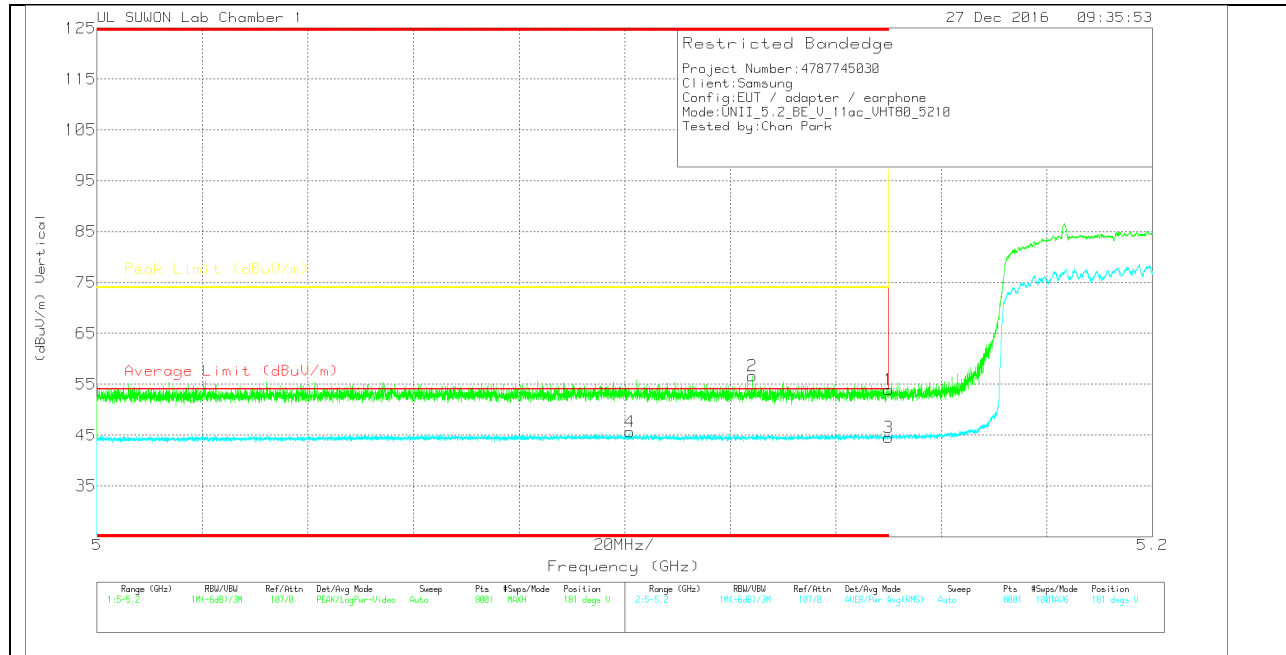
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.7	Pk		-23.8	0	56.1	-	-	74	-17.9	142	103	H
2	* 5.143	46.73	Pk		-23.7	0	57.23	-	-	74	-16.77	142	103	H
3	* 5.15	34.64	RMS		-23.8	1.48	46.52	54	-7.48	-	-	142	103	H
4	* 5.148	34.93	RMS		-23.8	1.48	46.81	54	-7.19	-	-	142	103	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.46	Pk		-23.8	0	53.86	-	-	74	-20.14	181	192	V
2	* 5.124	46.23	Pk		-23.8	0	56.63	-	-	74	-17.37	181	192	V
3	* 5.15	32.67	RMS		-23.8	1.48	44.55	54	-9.45	-	-	181	192	V
4	* 5.101	33.82	RMS		-23.9	1.48	45.6	54	-8.4	-	-	181	192	V

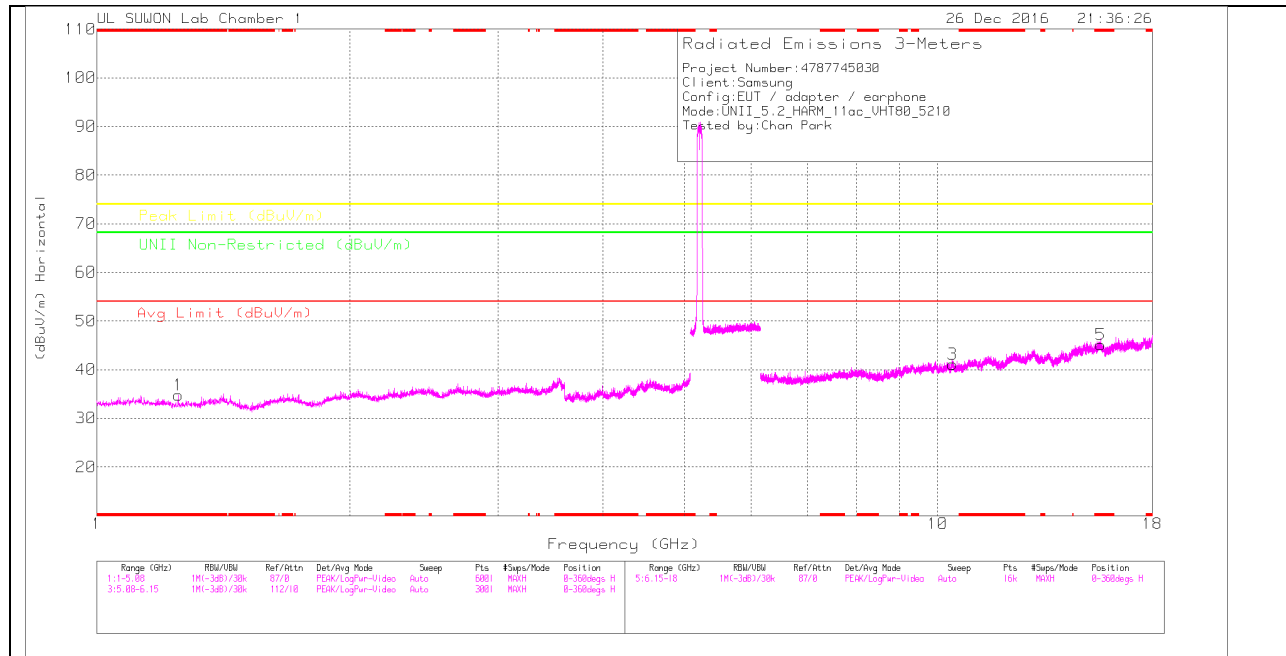
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

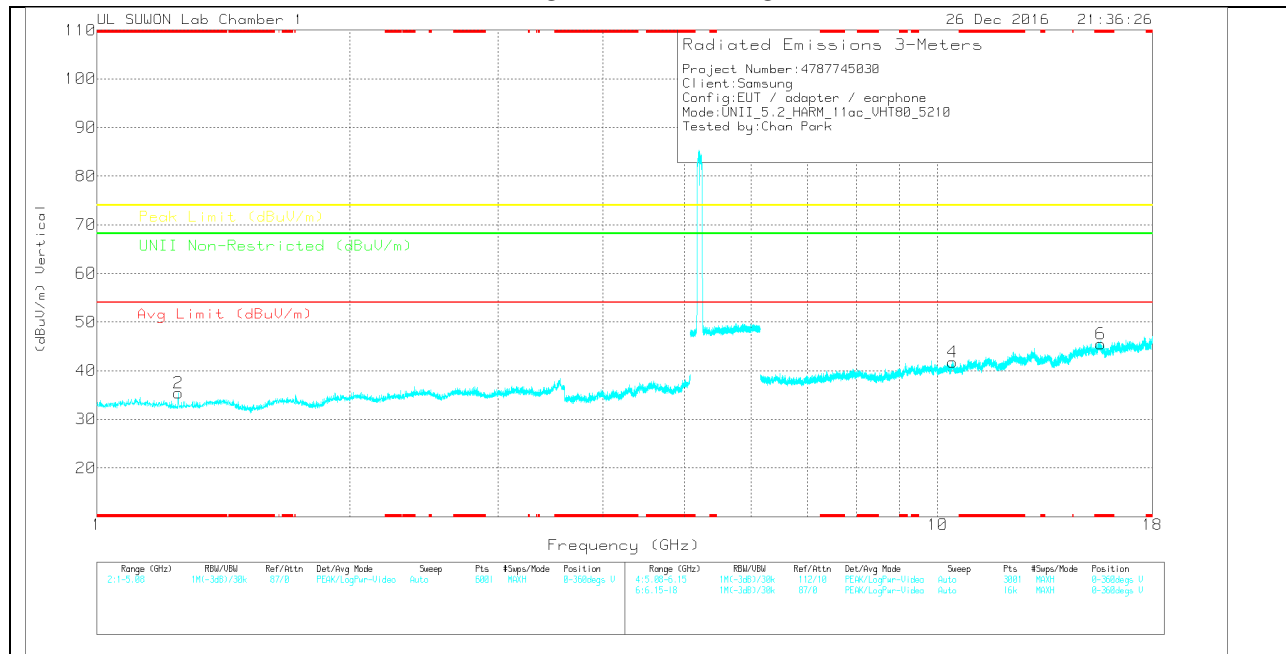
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	45.68	Pk	28.3	-39.2	0	34.78	-	-	74	-39.22	-	-	0-360	150	H
2	* 1.25	46.31	Pk	28.3	-39.2	0	35.41	-	-	74	-38.59	-	-	0-360	250	V
3	10.42	29.85	Pk	37.8	-26.6	0	41.05	-	-	-	-	68.2	-27.15	0-360	250	H
5	* 15.63	20.68	Pk	40.3	-15.9	0	45.08	-	-	74	-28.92	-	-	0-360	150	H
4	10.419	30.6	Pk	37.8	-26.6	0	41.8	-	-	-	-	68.2	-26.4	0-360	250	V
6	* 15.631	21.19	Pk	40.3	-16	0	45.49	-	-	74	-28.51	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

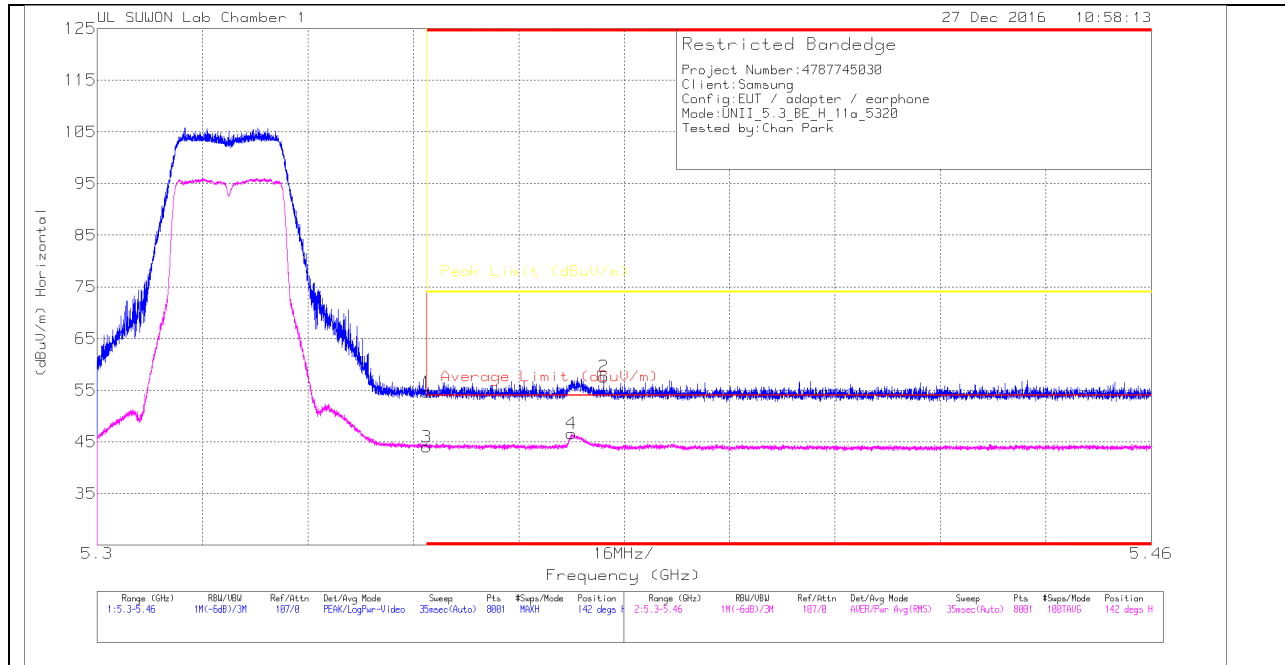
Pk – Peak detector

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 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

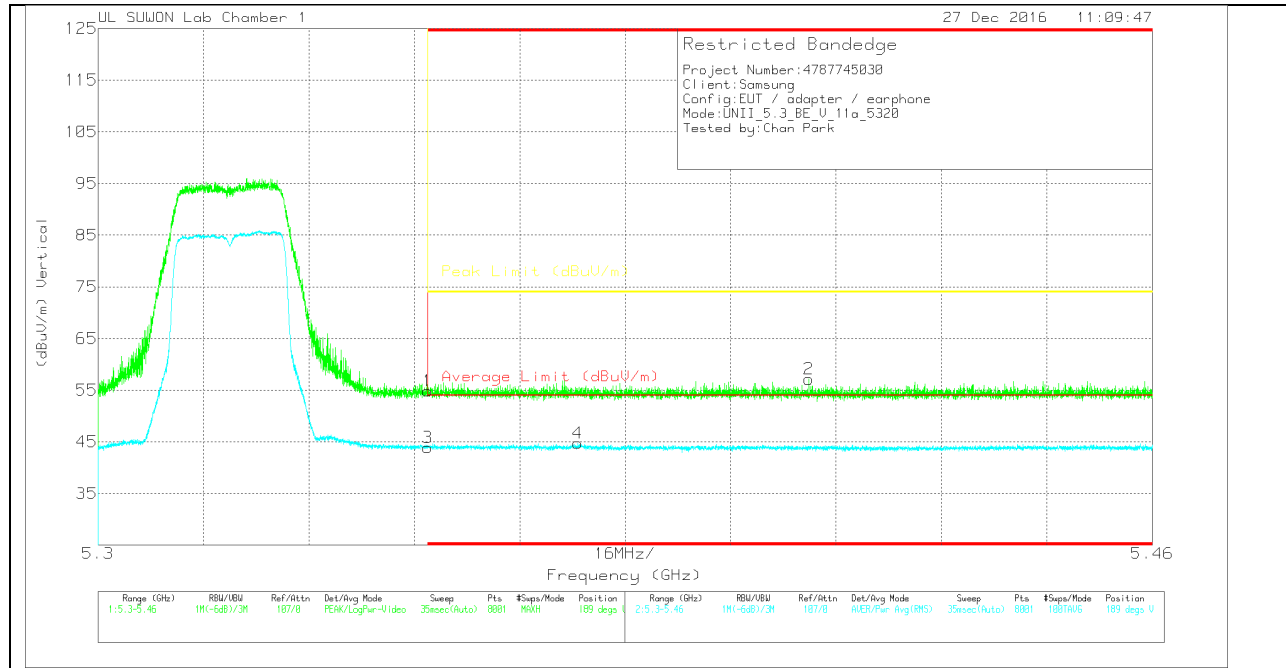
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.2	Pk	34.5	-23.1	0	54.6	-	-	74	-19.4	142	101	H
2	* 5.377	46.22	Pk	34.5	-23.1	0	57.62	-	-	74	-16.38	142	101	H
3	* 5.35	32.3	RMS	34.5	-23.1	.3	44	54	-10	-	-	142	101	H
4	* 5.372	34.93	RMS	34.5	-23.1	.3	46.63	54	-7.37	-	-	142	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168 717)_15061 9	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.44	Pk	34.5	-23.1	0	54.84	-	-	74	-19.16	189	198	V
2	* 5.408	45.64	Pk	34.6	-23.1	0	57.14	-	-	74	-16.86	189	198	V
3	* 5.35	32.22	RMS	34.5	-23.1	.3	43.92	54	-10.08	-	-	189	198	V
4	* 5.373	33.04	RMS	34.5	-23.1	.3	44.74	54	-9.26	-	-	189	198	V

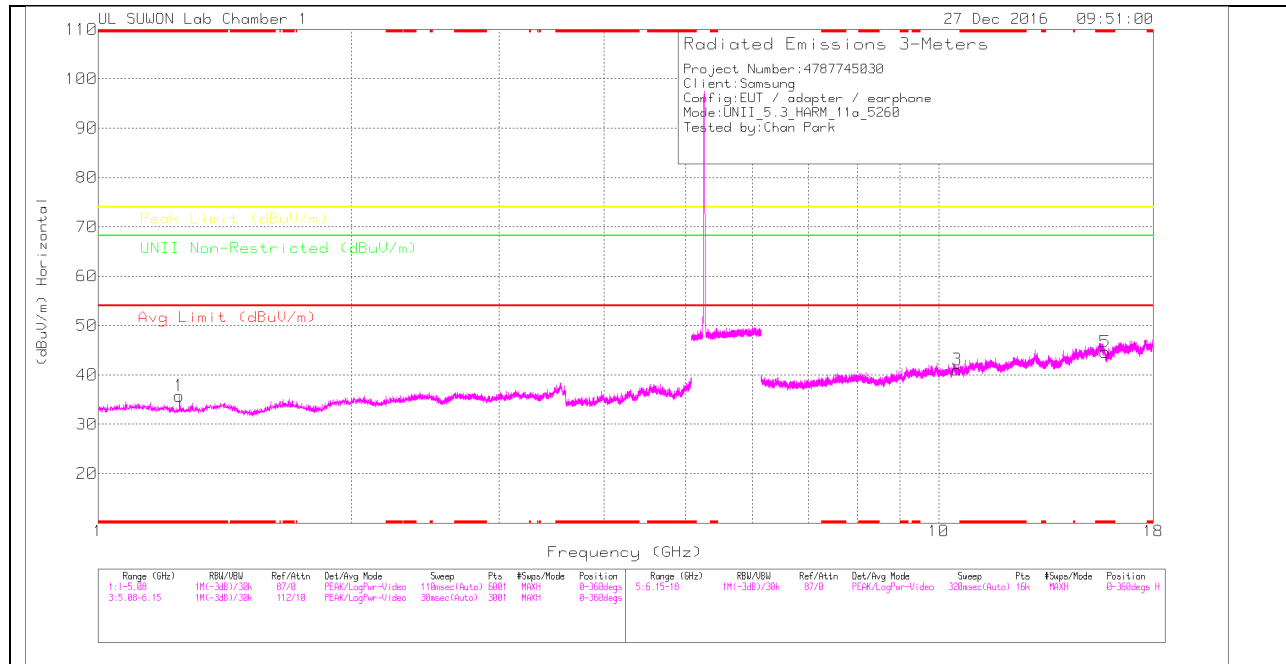
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

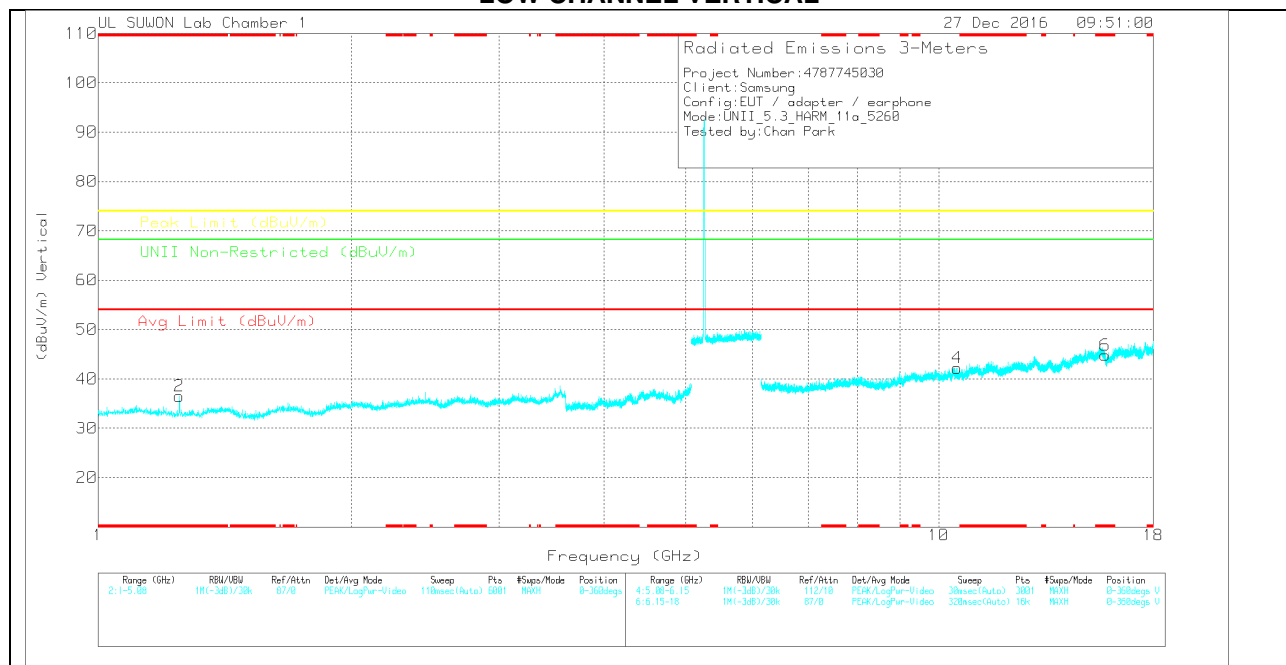
RMS - RMS detection

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

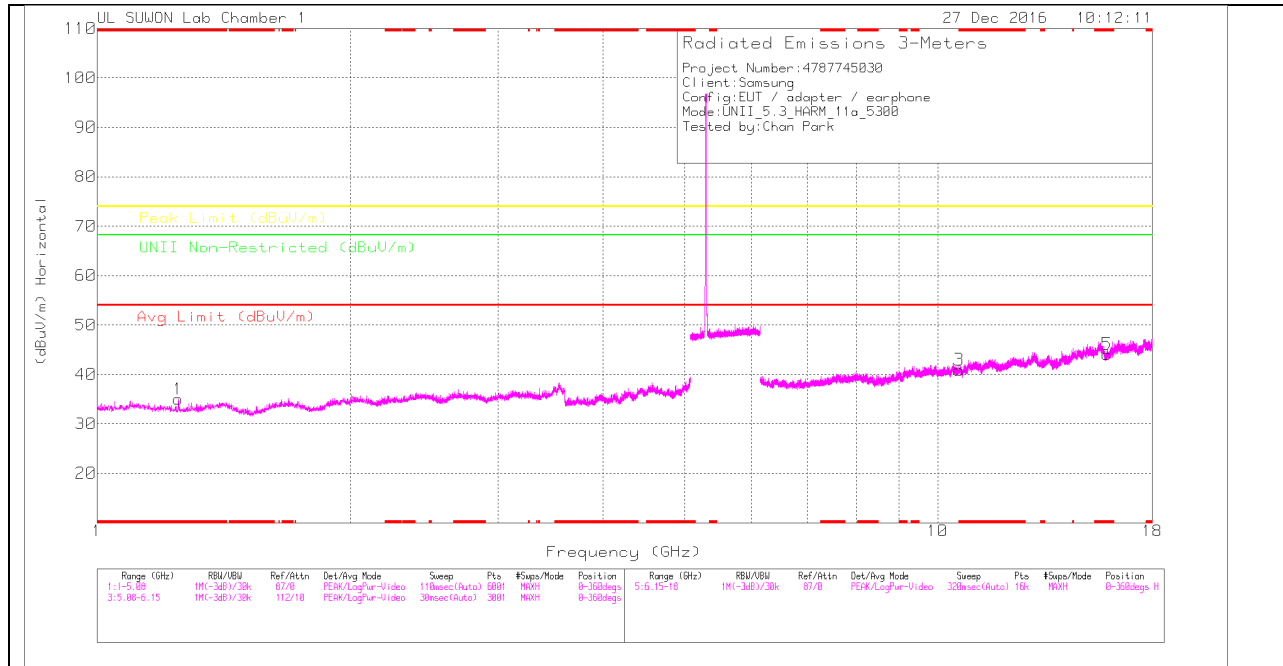
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.64	Pk	28.3	-39.2	0	35.74	-	-	74	-38.26	-	-	0-360	150	H
2	* 1.25	47.39	Pk	28.3	-39.2	0	36.49	-	-	74	-37.51	-	-	0-360	250	V
3	10.52	30.45	Pk	37.9	-27.3	0	41.05	-	-	-	-	68.2	-27.15	0-360	150	H
5	* 15.778	20.83	Pk	40.4	-16.6	0	44.63	-	-	74	-29.37	-	-	0-360	150	H
4	10.519	31.61	Pk	37.9	-27.3	0	42.21	-	-	-	-	68.2	-25.99	0-360	250	V
6	* 15.778	21.02	Pk	40.4	-16.6	0	44.82	-	-	74	-29.18	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

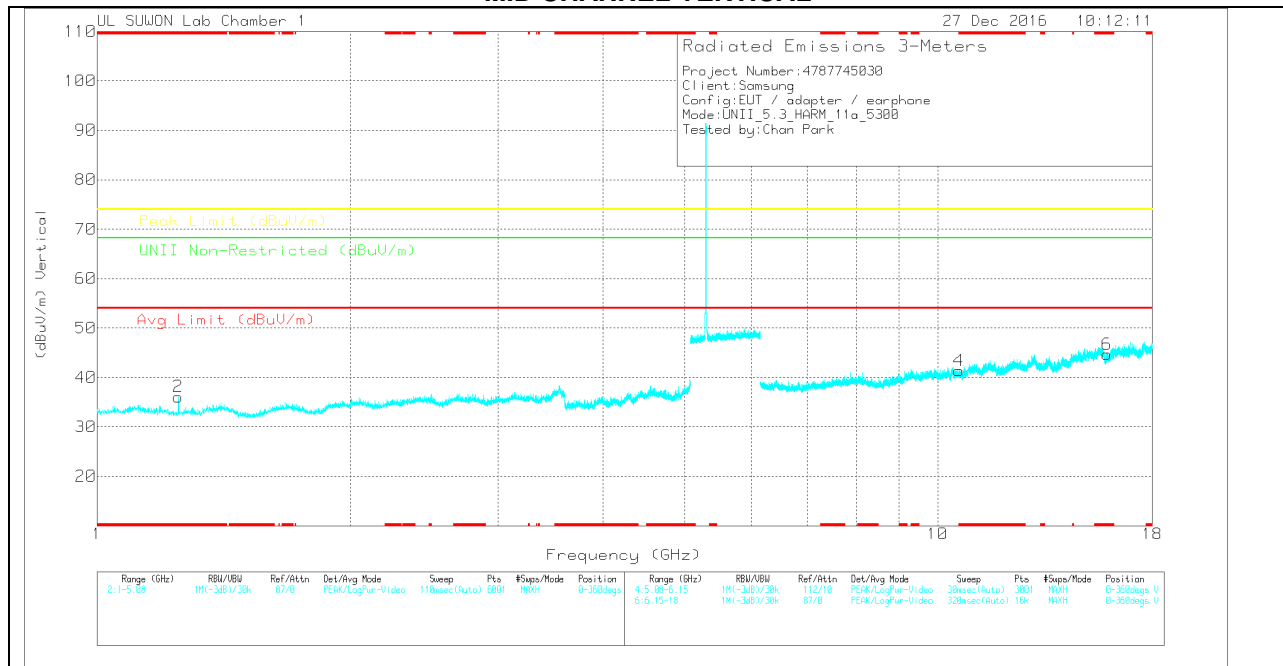
Pk – Peak detector

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

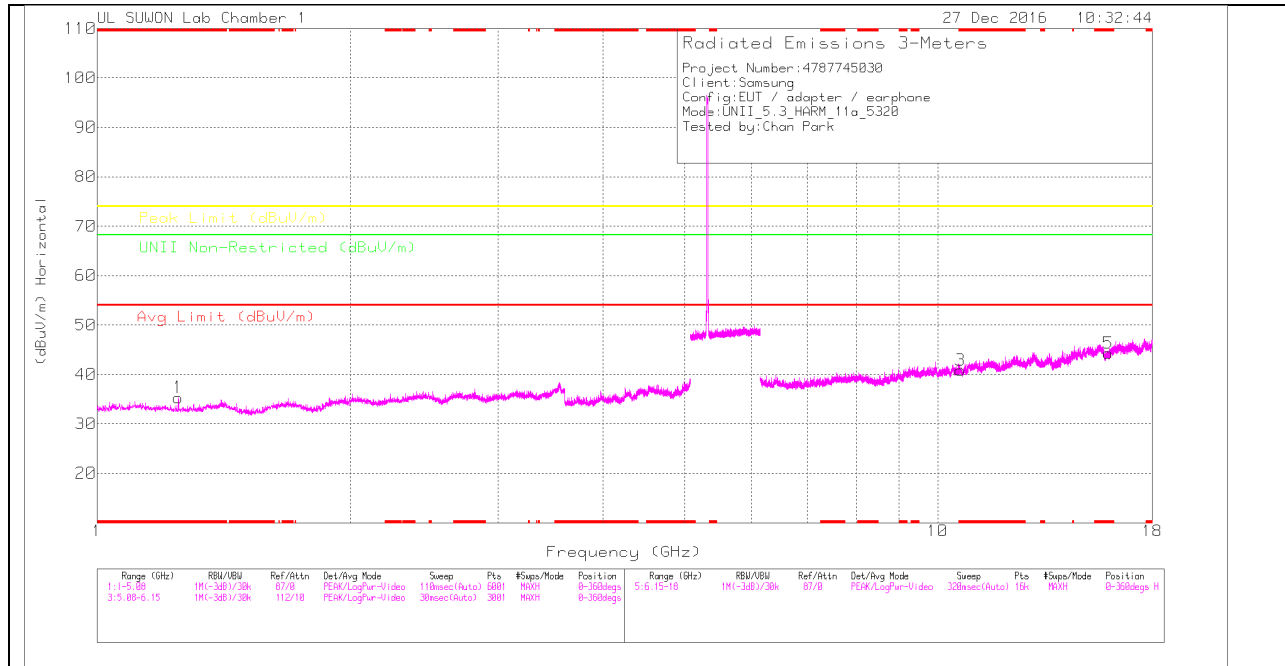
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.89	Pk	28.3	-39.2	0	34.99	-	-	74	-39.01	-	-	0-360	150	H
2	* 1.25	47	Pk	28.3	-39.2	0	36.1	-	-	74	-37.9	-	-	0-360	250	V
3	* 10.6	29.71	Pk	37.9	-26.7	0	40.91	-	-	74	-33.09	-	-	0-360	150	H
5	* 15.898	23	Pk	40.5	-19.4	0	44.1	-	-	74	-29.9	-	-	0-360	250	H
4	10.599	30.16	Pk	37.9	-26.7	0	41.36	-	-	-	-	68.2	-26.84	0-360	150	V
6	* 15.903	23.49	Pk	40.5	-19.3	0	44.69	-	-	74	-29.31	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

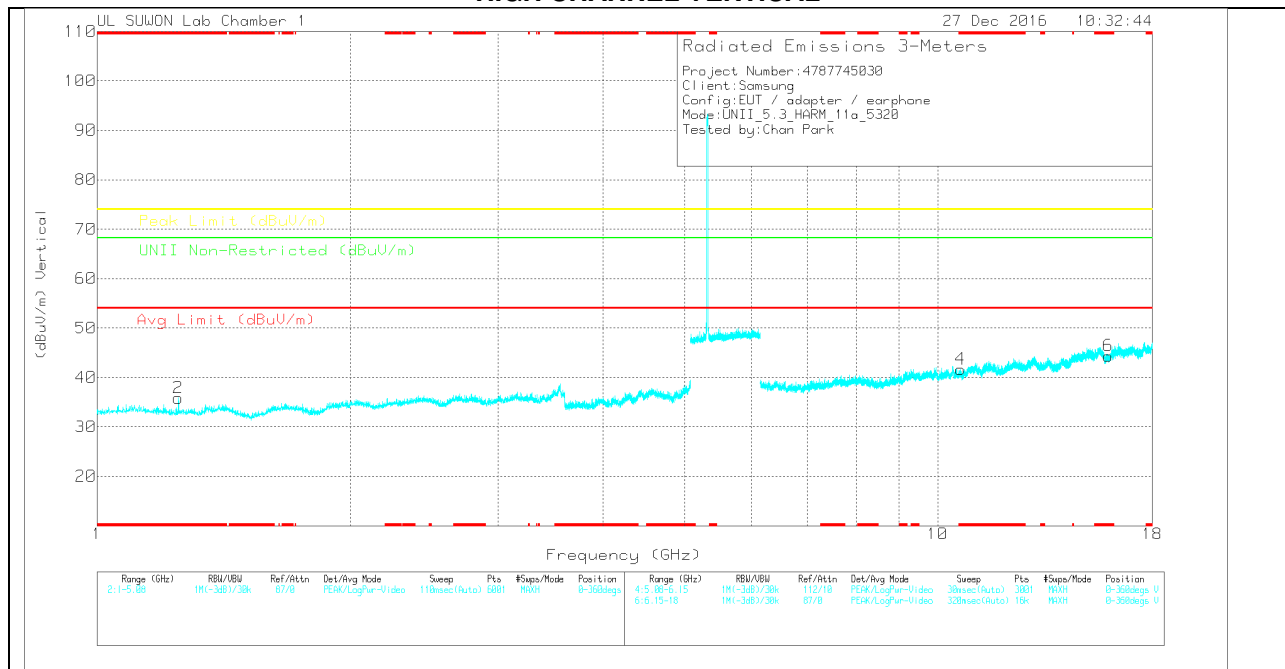
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.2	Pk	28.3	-39.2	0	35.3	-	-	74	-38.7	-	-	0-360	150	H
2	* 1.25	46.76	Pk	28.3	-39.2	0	35.86	-	-	74	-38.14	-	-	0-360	250	V
3	* 10.639	30.48	Pk	37.9	-27.5	0	40.88	-	-	74	-33.12	-	-	0-360	150	H
5	* 15.957	23.28	Pk	40.6	-19.6	0	44.28	-	-	74	-29.72	-	-	0-360	250	H
4	* 10.639	31.28	Pk	37.9	-27.5	0	41.68	-	-	74	-32.32	-	-	0-360	250	V
6	* 15.963	23.56	Pk	40.6	-19.8	0	44.36	-	-	74	-29.64	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

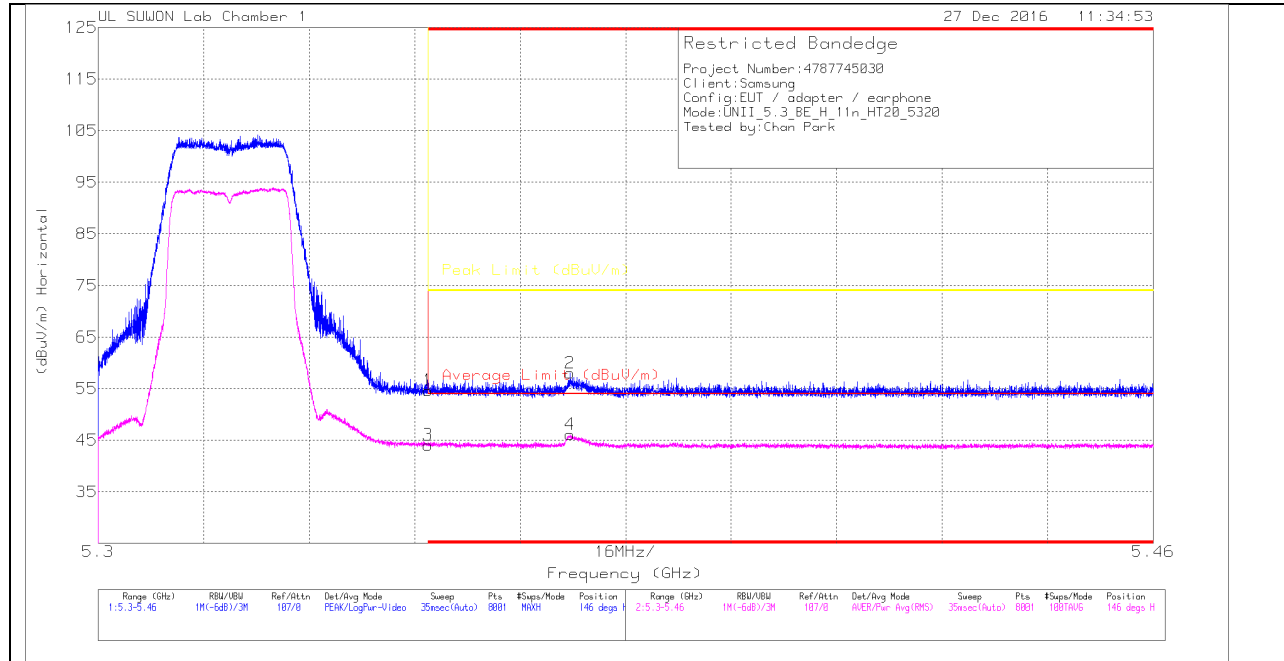
Pk – Peak detector

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 MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

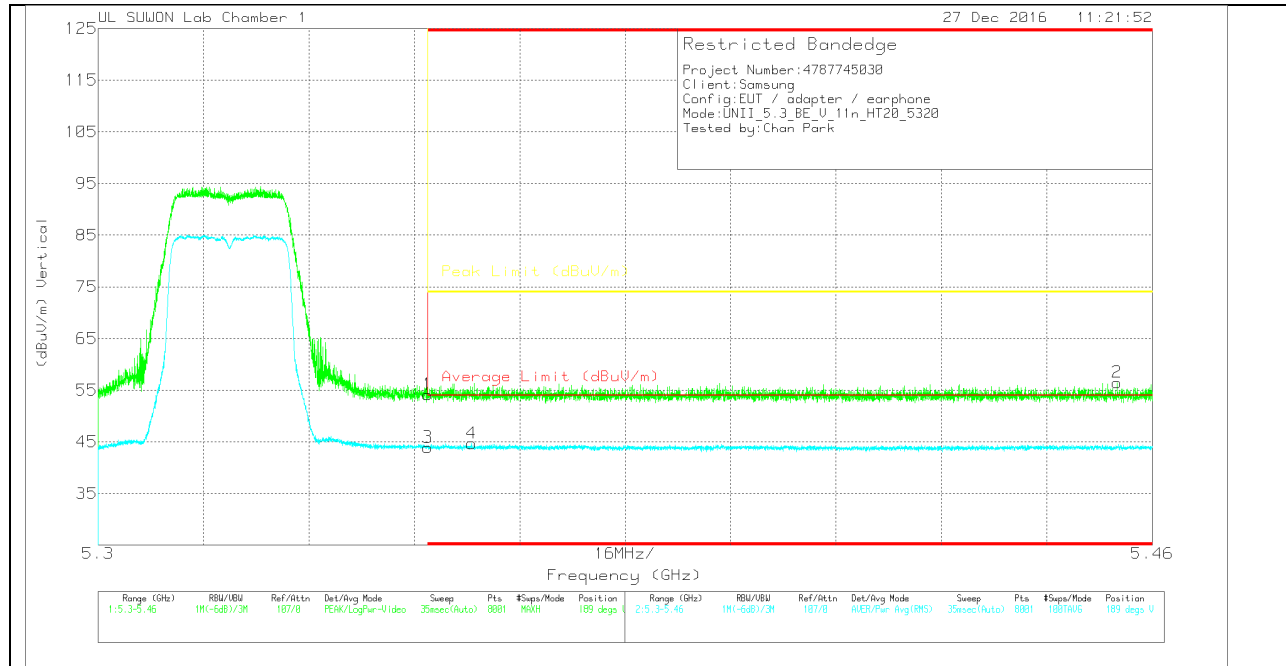
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.27	Pk	34.5	-23.1	0	54.67	-	-	74	-19.33	146	100	H
2	* 5.372	46.61	Pk	34.5	-23.1	0	58.01	-	-	74	-15.99	146	100	H
3	* 5.35	32.36	RMS	34.5	-23.1	.32	44.08	54	-9.92	-	-	146	100	H
4	* 5.372	34.41	RMS	34.5	-23.1	.32	46.13	54	-7.87	-	-	146	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/00168 717/_15061 9	10dB[dB]	DC Corr [dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.77	Pk	34.5	-23.1	0	54.17	-	-	74	-19.83	189	151	V
2	* 5.455	44.91	Pk	34.6	-23	0	56.51	-	-	74	-17.49	189	151	V
3	* 5.35	32.23	RMS	34.5	-23.1	.32	43.95	54	-10.05	-	-	189	151	V
4	* 5.357	33	RMS	34.5	-23.1	.32	44.72	54	-9.28	-	-	189	151	V

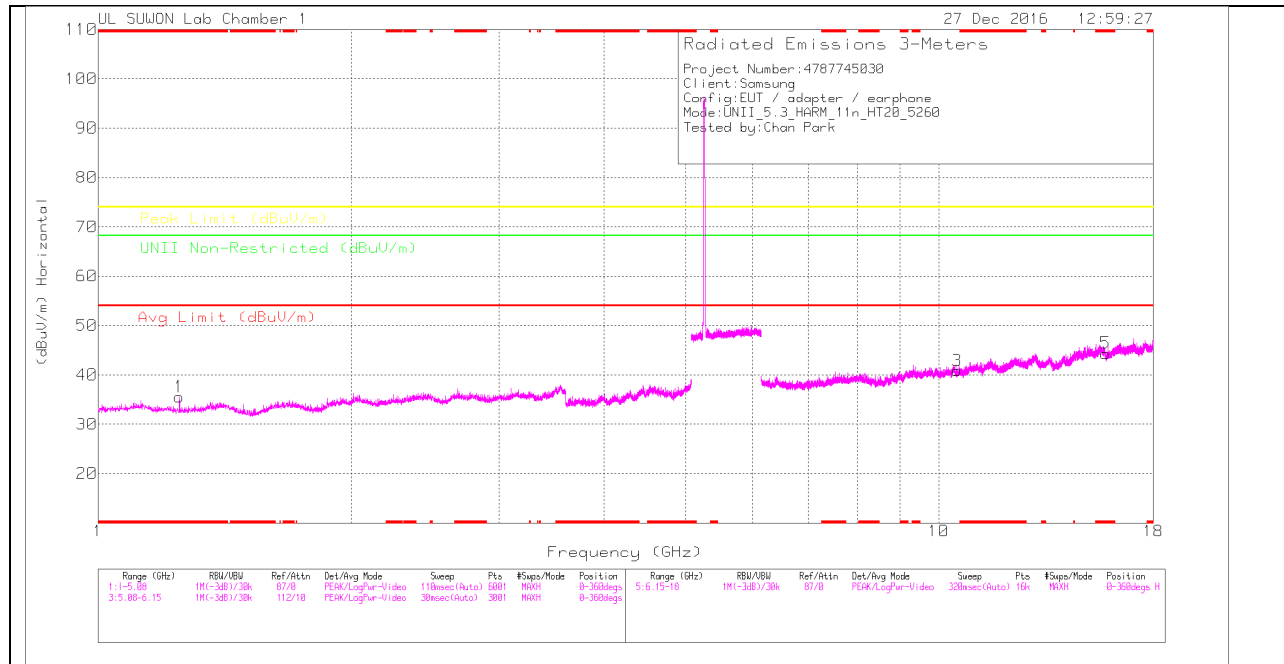
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

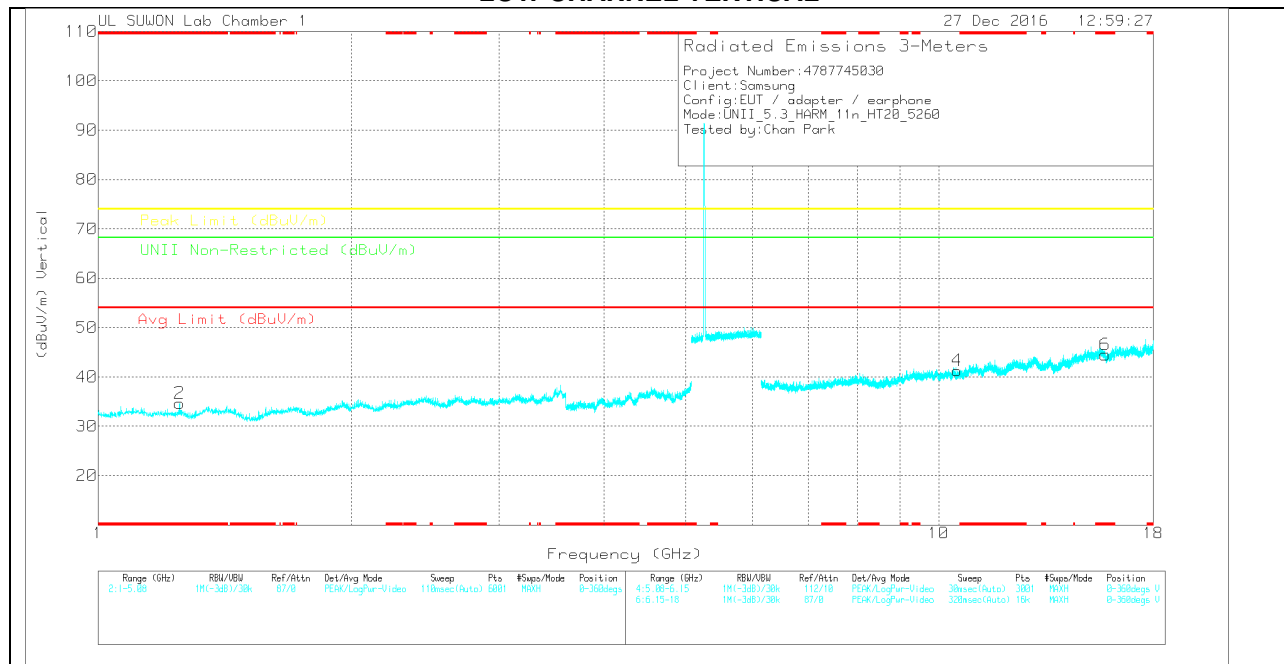
RMS - RMS detection

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

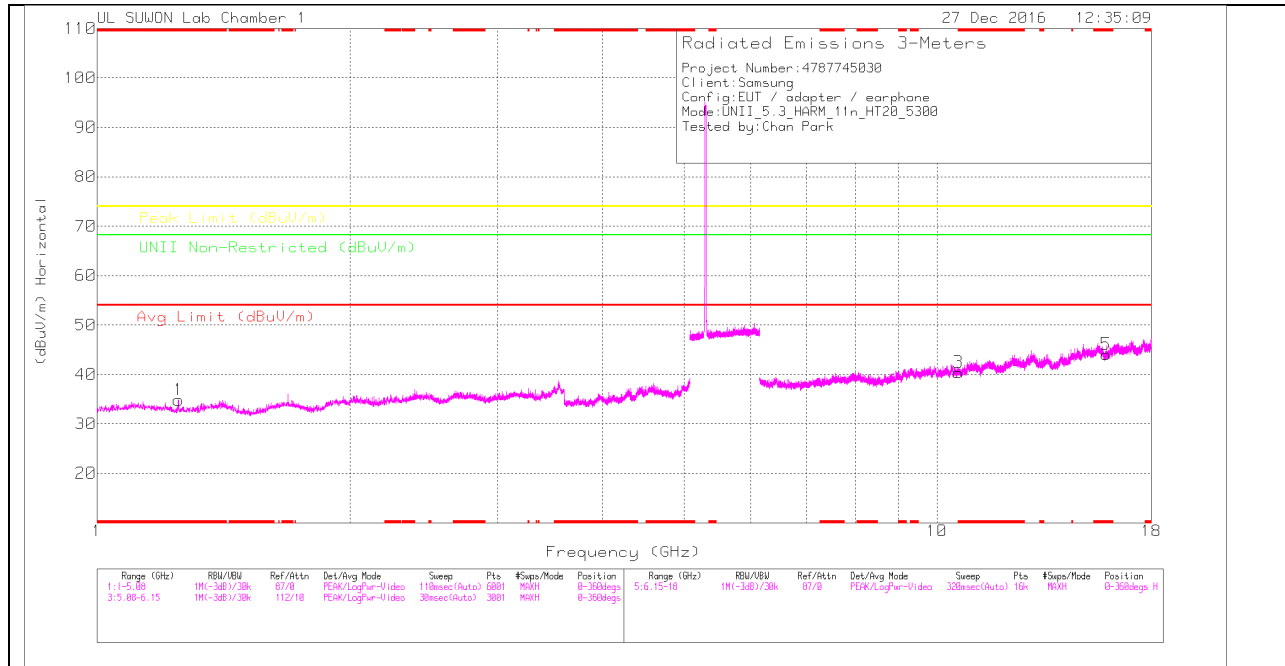
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.44	Pk	28.3	-39.2	0	35.54	-	-	74	-38.46	-	-	0-360	150	H
2	* 1.25	45.57	Pk	28.3	-39.2	0	34.67	-	-	74	-39.33	-	-	0-360	250	V
3	10.522	30.26	Pk	37.9	-27.3	0	40.86	-	-	-	-	68.2	-27.34	0-360	150	H
5	* 15.78	20.57	Pk	40.4	-16.6	0	44.37	-	-	74	-29.63	-	-	0-360	150	H
4	10.52	30.69	Pk	37.9	-27.3	0	41.29	-	-	-	-	68.2	-26.91	0-360	150	V
6	* 15.778	20.71	Pk	40.4	-16.6	0	44.51	-	-	74	-29.49	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

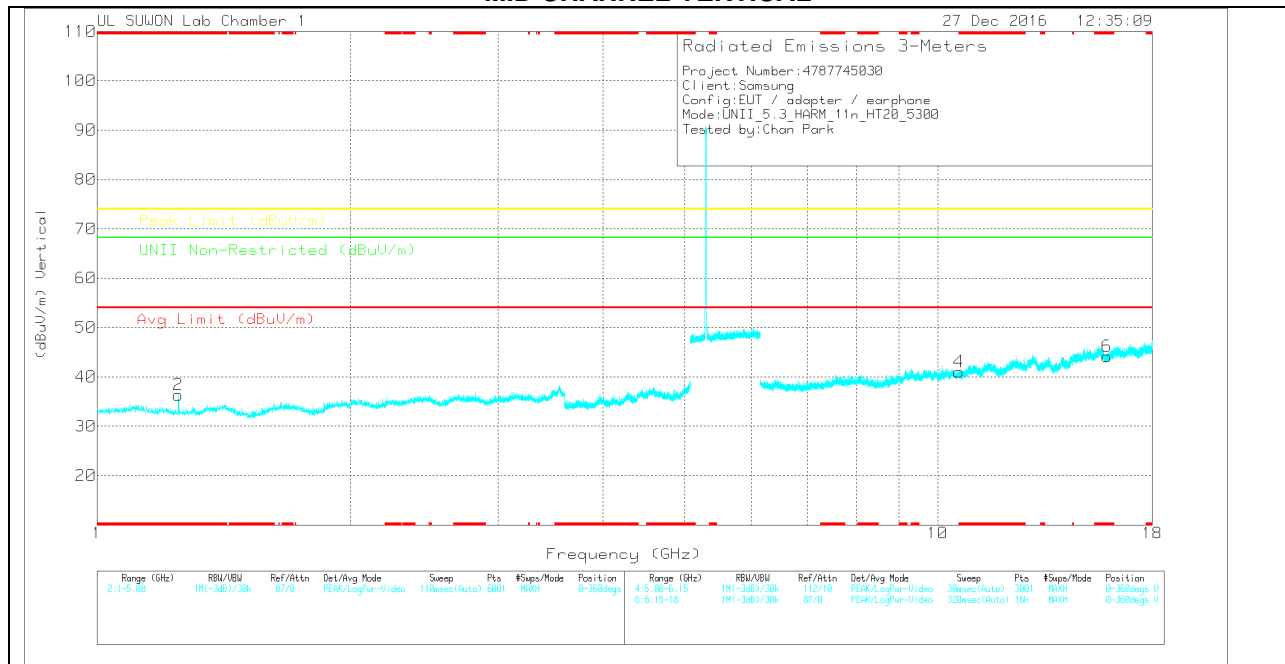
Pk – Peak detector

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

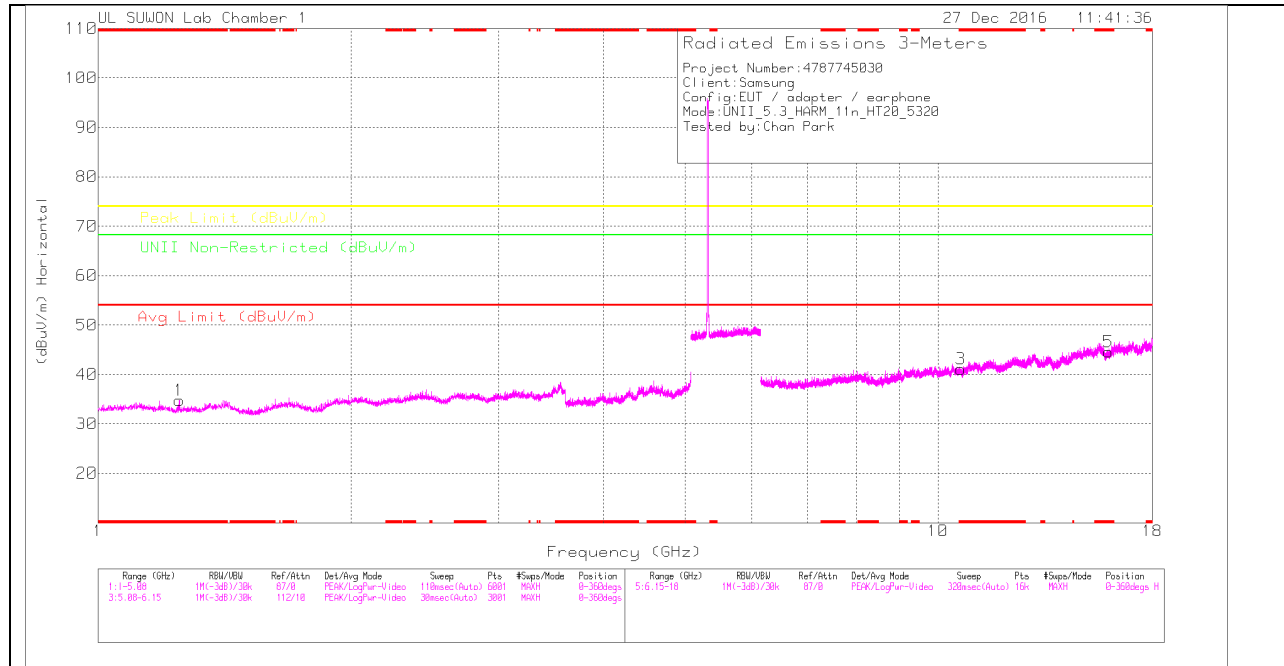
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.74	Pk	28.3	-39.2	0	34.84	-	-	74	-39.16	-	-	0-360	150	H
2	* 1.25	47.27	Pk	28.3	-39.2	0	36.37	-	-	74	-37.63	-	-	0-360	250	V
3	* 10.602	29.31	Pk	37.9	-26.8	0	40.41	-	-	74	-33.59	-	-	0-360	150	H
5	* 15.9	22.87	Pk	40.5	-19.3	0	44.07	-	-	74	-29.93	-	-	0-360	150	H
4	10.599	29.82	Pk	37.9	-26.7	0	41.02	-	-	-	-	68.2	-27.18	0-360	150	V
6	* 15.904	22.95	Pk	40.5	-19.3	0	44.15	-	-	74	-29.85	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

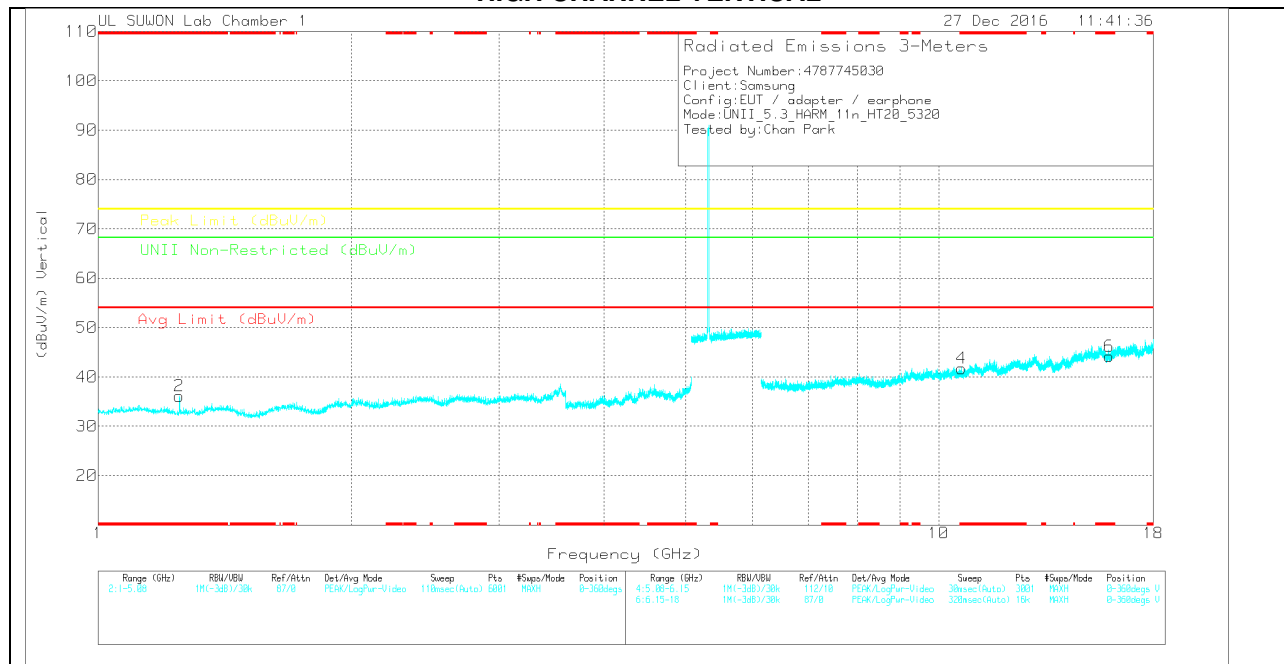
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	45.66	Pk	28.3	-39.2	0	34.76	-	-	74	-39.24	-	-	0-360	150	H
2	* 1.25	47.02	Pk	28.3	-39.2	0	36.12	-	-	74	-37.88	-	-	0-360	250	V
3	* 10.641	30.58	Pk	38	-27.5	0	41.08	-	-	74	-32.92	-	-	0-360	150	H
5	* 15.961	23.64	Pk	40.6	-19.7	0	44.54	-	-	74	-29.46	-	-	0-360	250	H
4	* 10.64	31.32	Pk	37.9	-27.5	0	41.72	-	-	74	-32.28	-	-	0-360	250	V
6	* 15.963	23.38	Pk	40.6	-19.8	0	44.18	-	-	74	-29.82	-	-	0-360	250	V

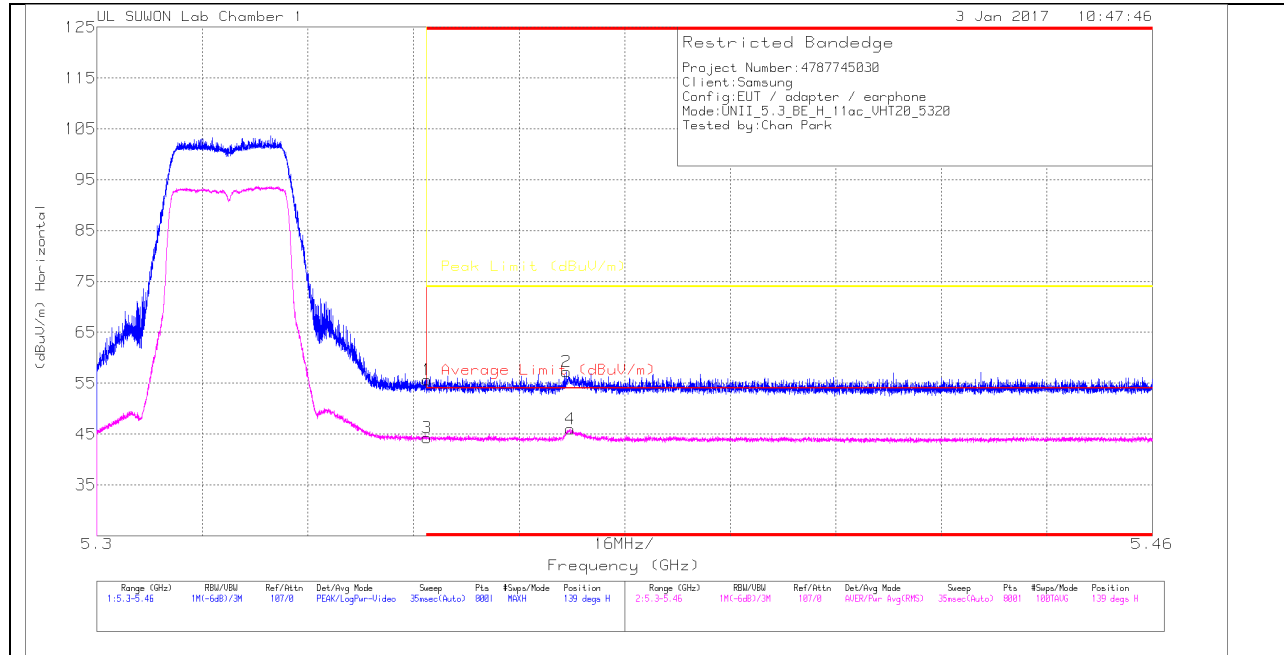
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 1 GHz 802.11ac VHT20 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

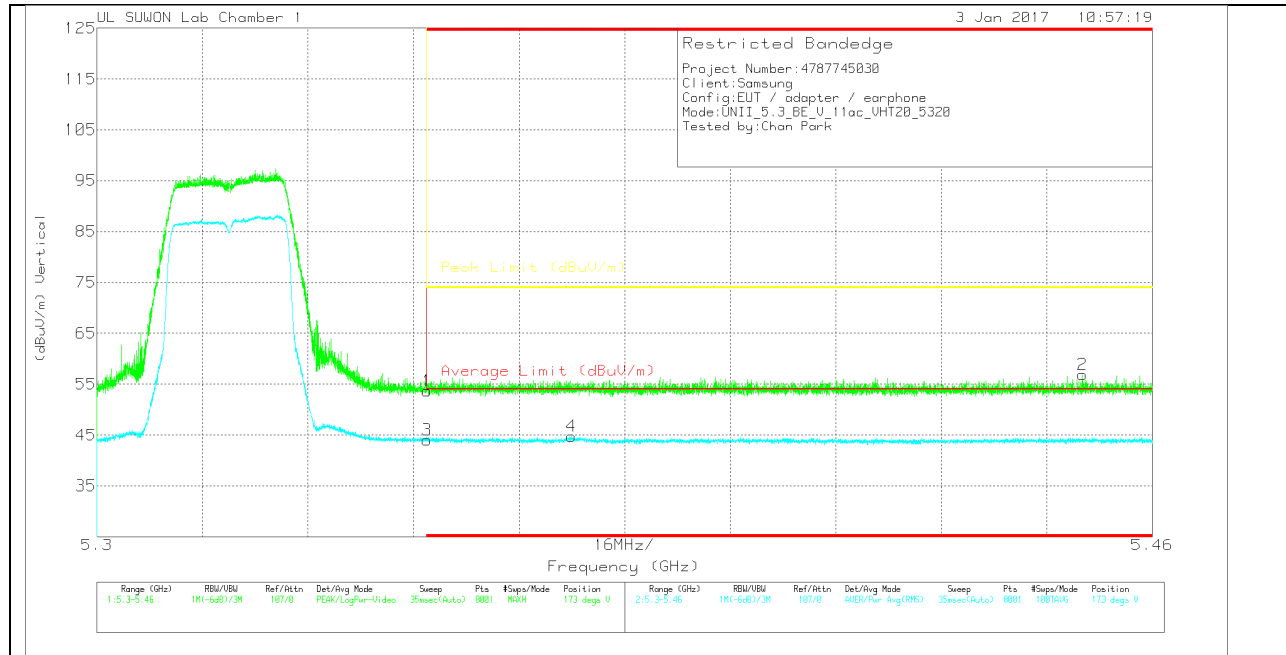
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.25	Pk		-23.1	0	55.65	-	-	74	-18.35	139	113	H
2	* 5.371	45.83	Pk		-23.1	0	57.23	-	-	74	-16.77	139	113	H
3	* 5.35	32.54	RMS		-23.1	.32	44.26	54	-9.74	-	-	139	113	H
4	* 5.372	34.27	RMS		-23.1	.32	45.99	54	-8.01	-	-	139	113	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.23	Pk		-23.1	0	53.63	-	-	74	-20.37	173	342	V
2	* 5.449	45.13	Pk		-22.9	0	56.83	-	-	74	-17.17	173	342	V
3	* 5.35	32.3	RMS		-23.1	.32	44.02	54	-9.98	-	-	173	342	V
4	* 5.372	33.07	RMS		-23.1	.32	44.79	54	-9.21	-	-	173	342	V

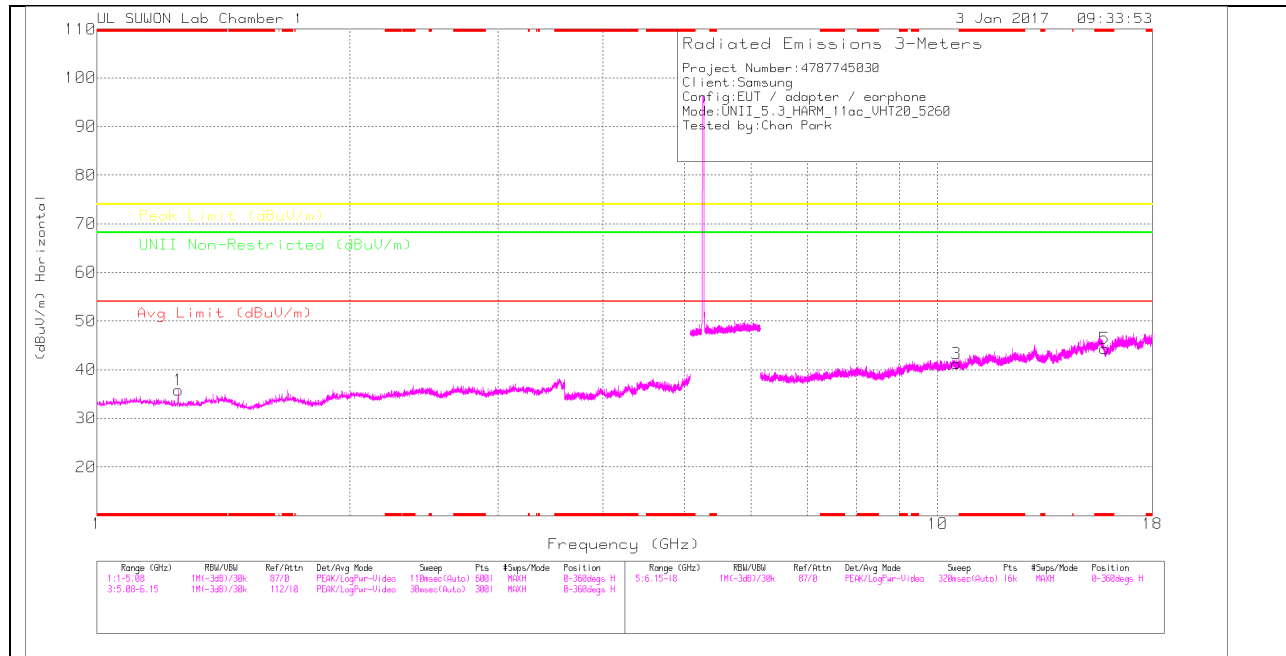
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

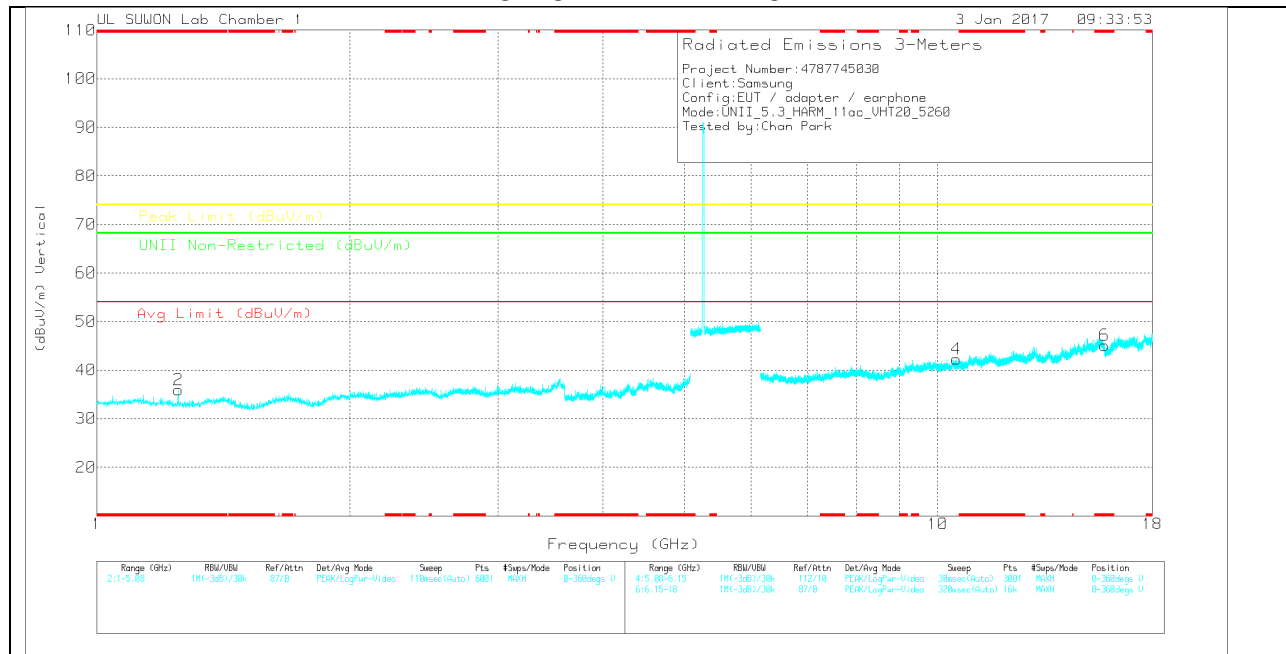
RMS - RMS detection

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

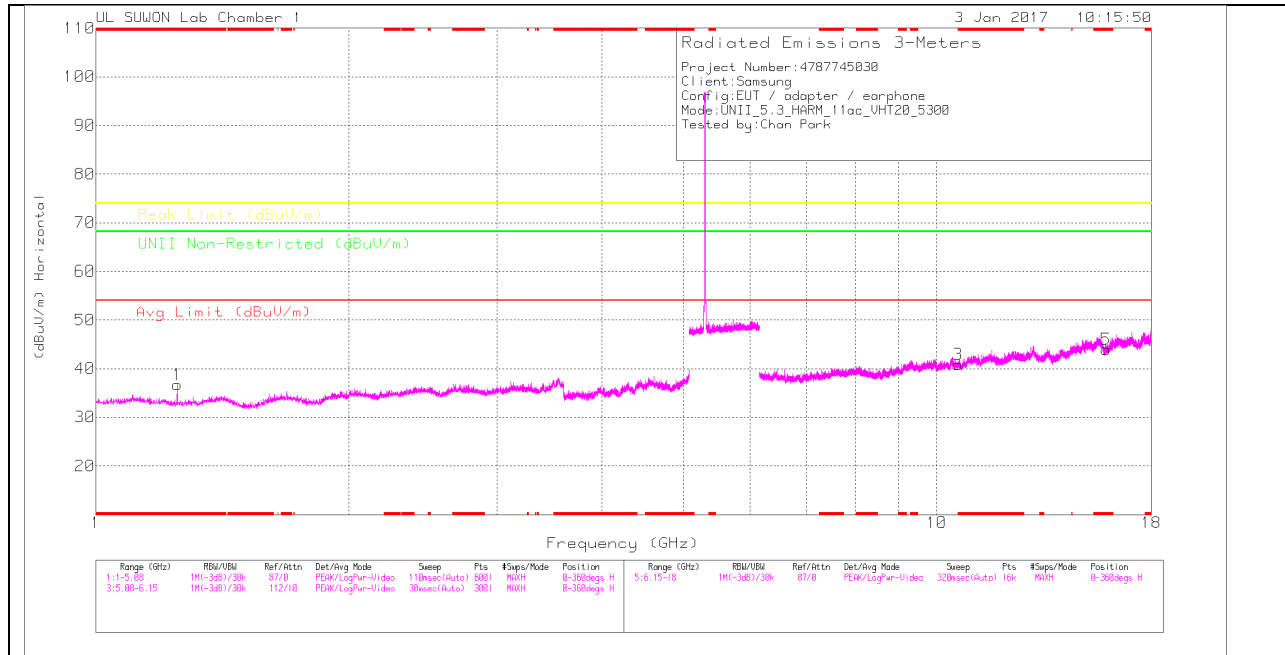
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.75	Pk	28.3	-39.2	0	35.85	-	-	74	-38.15	-	-	0-360	150	H
2	* 1.25	46.88	Pk	28.3	-39.2	0	35.98	-	-	74	-38.02	-	-	0-360	250	V
3	10.522	30.59	Pk	37.9	-27.3	0	41.19	-	-	-	-	68.2	-27.01	0-360	150	H
5	* 15.779	20.57	Pk	40.4	-16.6	0	44.37	-	-	74	-29.63	-	-	0-360	150	H
4	10.519	31.63	Pk	37.9	-27.3	0	42.23	-	-	-	-	68.2	-25.97	0-360	250	V
6	* 15.778	21.35	Pk	40.4	-16.6	0	45.15	-	-	74	-28.85	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

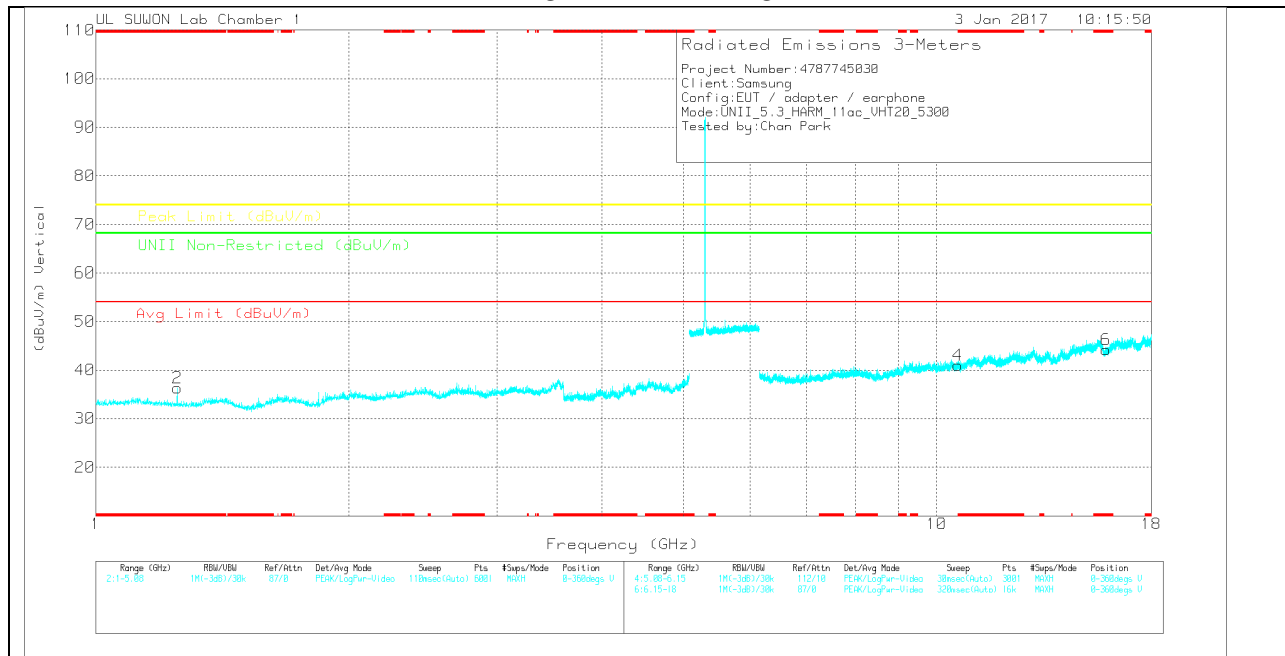
Pk – Peak detector

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

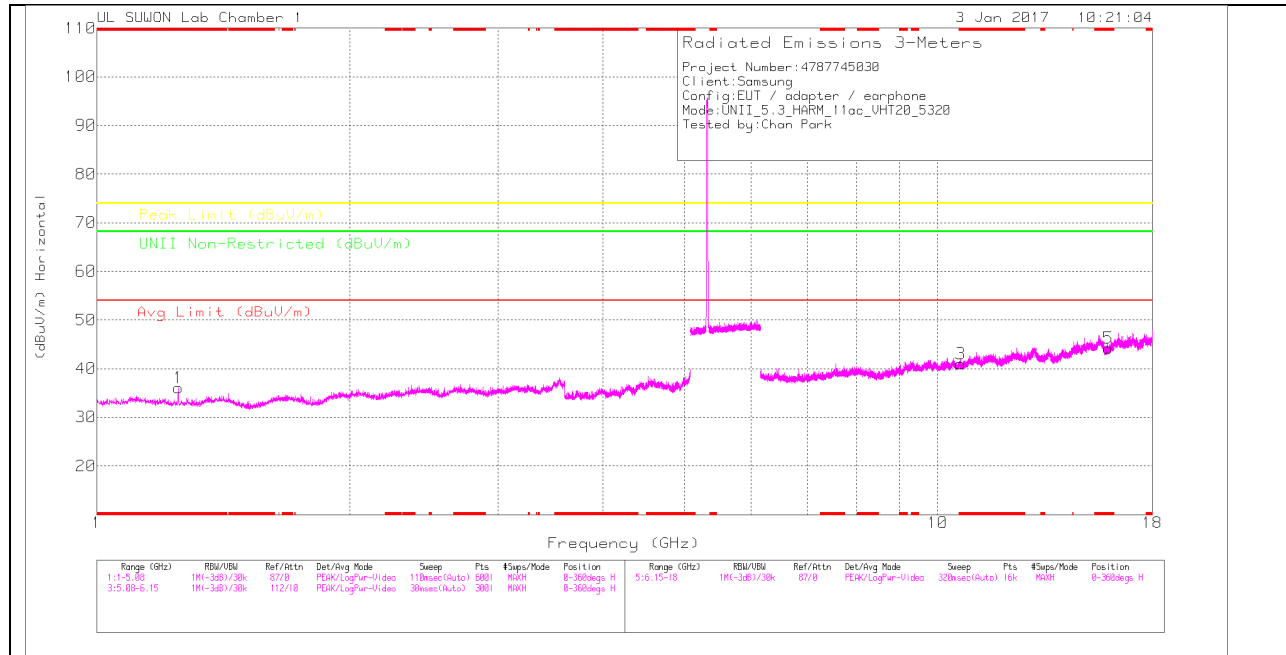
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	47.65	Pk	28.3	-39.2	0	36.75	-	-	74	-37.25	-	-	0-360	150	H
2	* 1.25	47.27	Pk	28.3	-39.2	0	36.37	-	-	74	-37.63	-	-	0-360	250	V
3	* 10.605	29.74	Pk	37.9	-26.8	0	40.84	-	-	74	-33.16	-	-	0-360	250	H
5	* 15.904	22.69	Pk	40.5	-19.3	0	43.89	-	-	74	-30.11	-	-	0-360	250	H
4	* 10.604	29.89	Pk	37.9	-26.8	0	40.99	-	-	74	-33.01	-	-	0-360	150	V
6	* 15.901	22.99	Pk	40.5	-19.3	0	44.19	-	-	74	-29.81	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

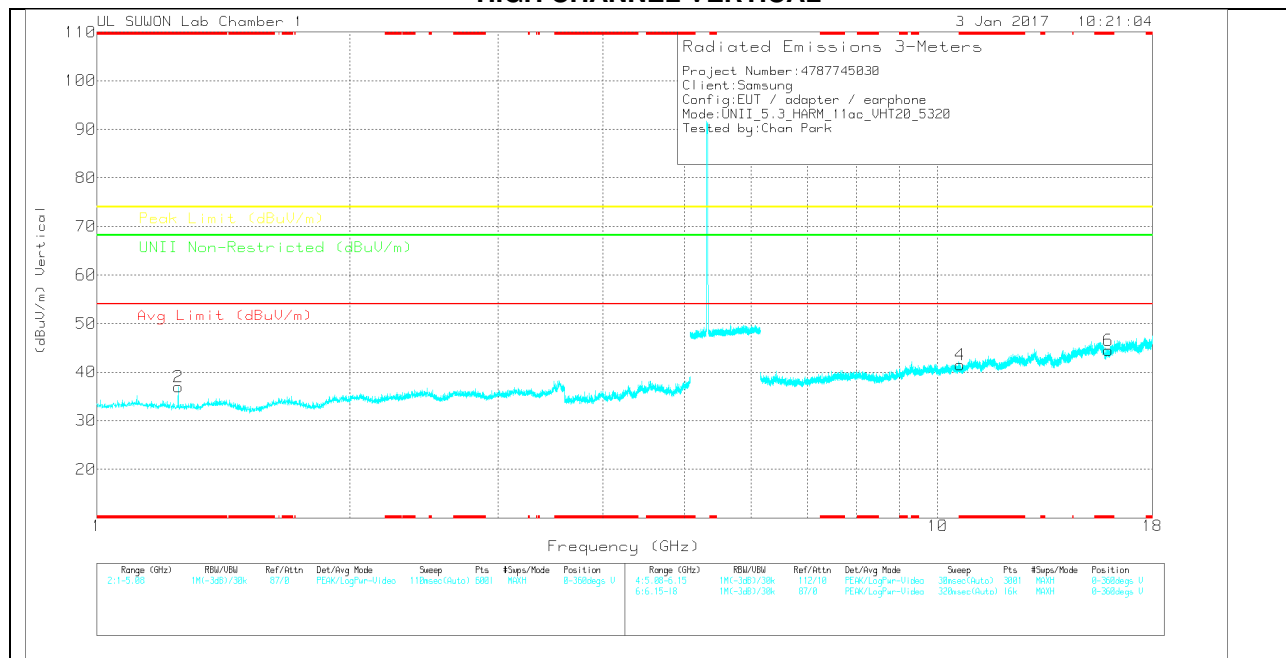
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.98	Pk	28.3	-39.2	0	36.08	-	-	74	-37.92	-	-	0-360	150	H
2	* 1.25	47.81	Pk	28.3	-39.2	0	36.91	-	-	74	-37.09	-	-	0-360	250	V
3	* 10.642	30.47	Pk	38	-27.5	0	40.97	-	-	74	-33.03	-	-	0-360	150	H
5	* 15.959	23.25	Pk	40.6	-19.7	0	44.15	-	-	74	-29.85	-	-	0-360	150	H
4	* 10.64	31.11	Pk	37.9	-27.5	0	41.51	-	-	74	-32.49	-	-	0-360	250	V
6	* 15.956	23.51	Pk	40.6	-19.6	0	44.51	-	-	74	-29.49	-	-	0-360	250	V

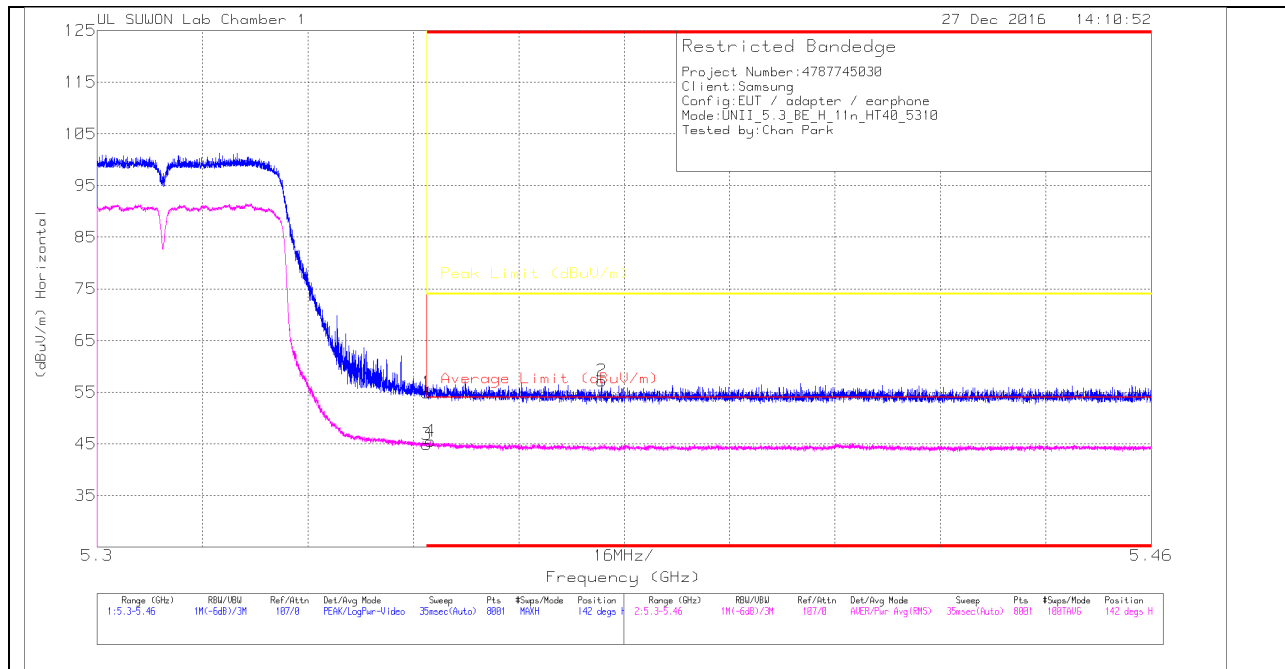
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 802.11n HT40 MODE IN THE 5.3GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

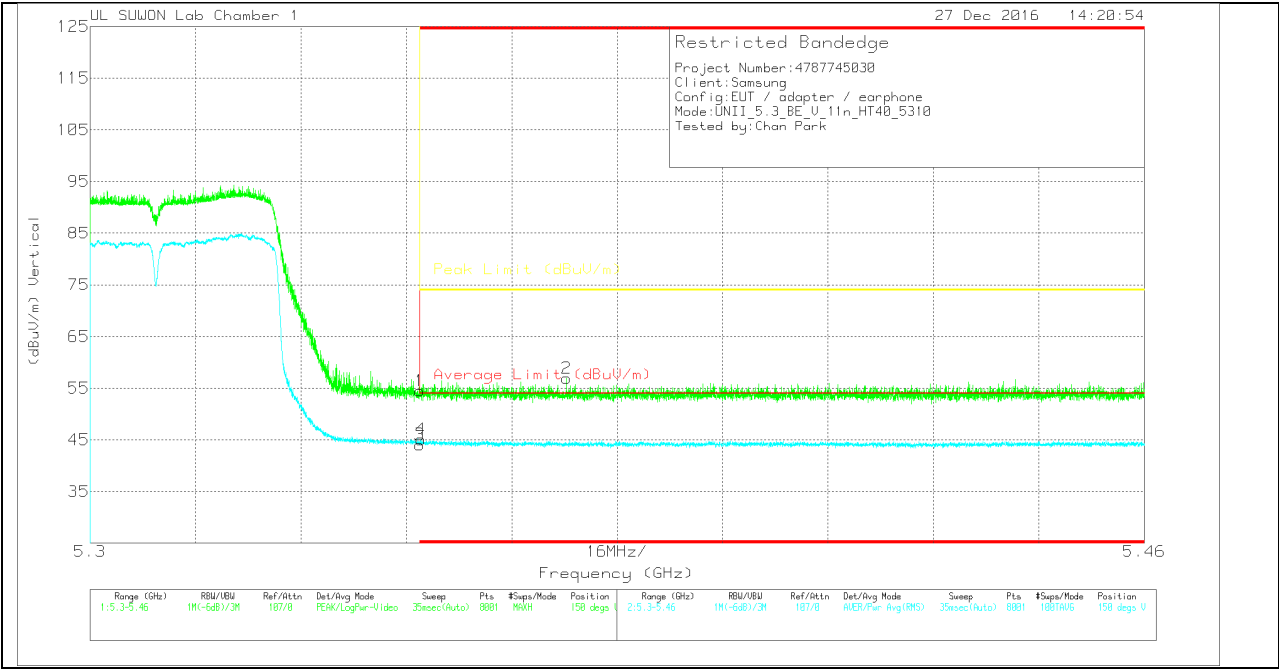
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.49	Pk	34.5	-23.1	0	54.89	-	-	74	-19.11	142	100	H
2	* 5.377	45.82	Pk	34.5	-23.1	0	57.22	-	-	74	-16.78	142	100	H
3	* 5.35	32.89	RMS	34.5	-23.1	.63	44.92	54	-9.08	-	-	142	100	H
4	* 5.351	33.49	RMS	34.5	-23.1	.63	45.52	54	-8.48	-	-	142	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.09	Pk	34.5	-23.1	0	54.49	-	-	74	-19.51	150	245	V
2	* 5.372	45.53	Pk	34.5	-23.1	0	56.93	-	-	74	-17.07	150	245	V
3	* 5.35	32.03	RMS	34.5	-23.1	.63	44.06	54	-9.94	-	-	150	245	V
4	* 5.35	33.05	RMS	34.5	-23.1	.63	45.08	54	-8.92	-	-	150	245	V

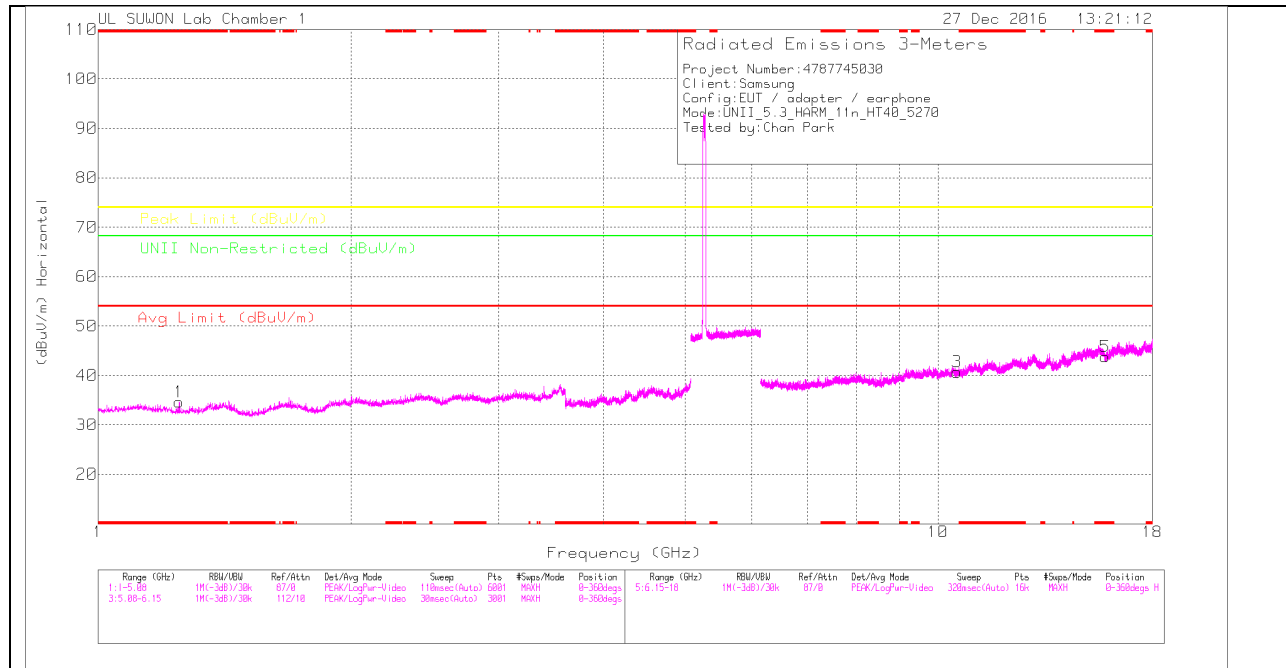
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

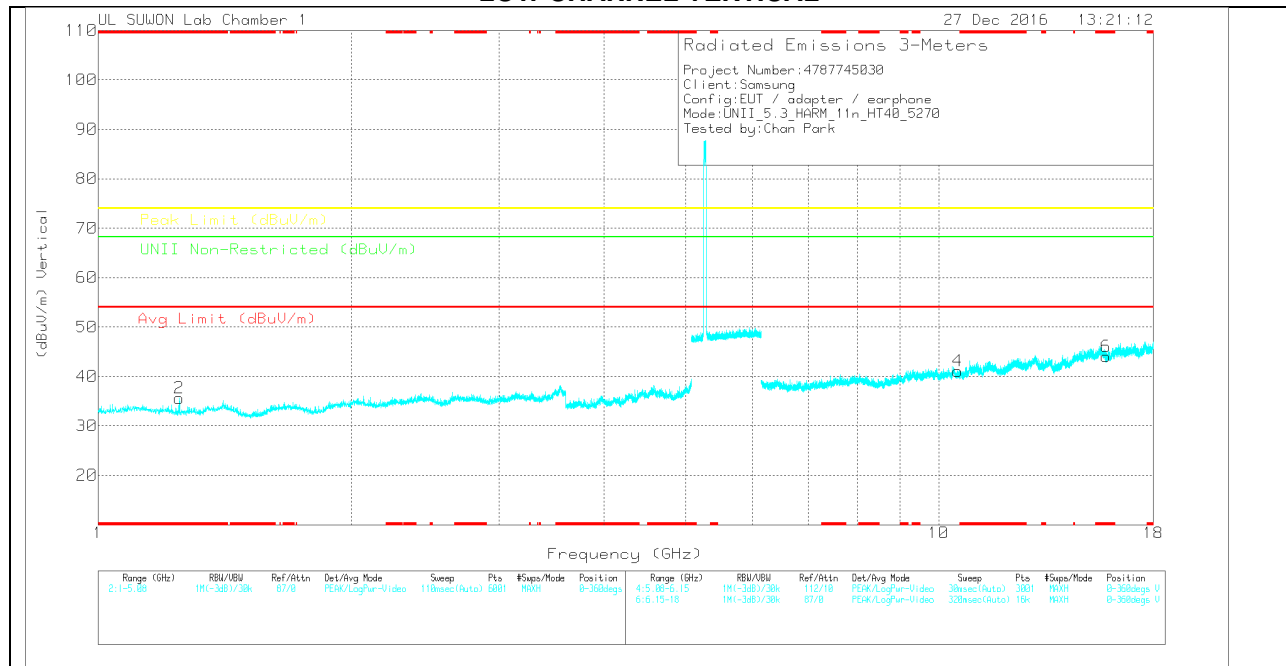
RMS - RMS detection

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

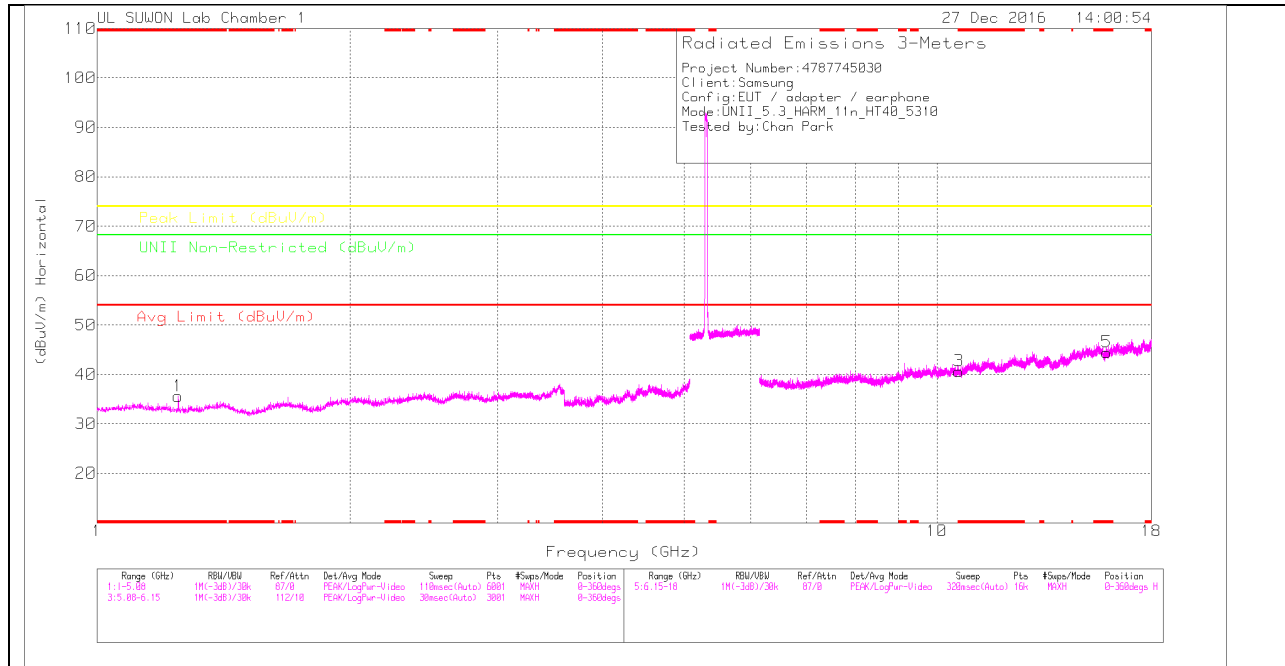
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.53	Pk	28.3	-39.2	0	34.63	-	-	74	-39.37	-	-	0-360	150	H
2	* 1.25	46.5	Pk	28.3	-39.2	0	35.6	-	-	74	-38.4	-	-	0-360	250	V
3	10.542	29.9	Pk	37.9	-27.1	0	40.7	-	-	-	-	68.2	-27.5	0-360	150	H
5	* 15.809	21.08	Pk	40.5	-17.8	0	43.78	-	-	74	-30.22	-	-	0-360	150	H
4	10.539	30.27	Pk	37.9	-27.1	0	41.07	-	-	-	-	68.2	-27.13	0-360	250	V
6	* 15.807	21.26	Pk	40.5	-17.7	0	44.06	-	-	74	-29.94	-	-	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

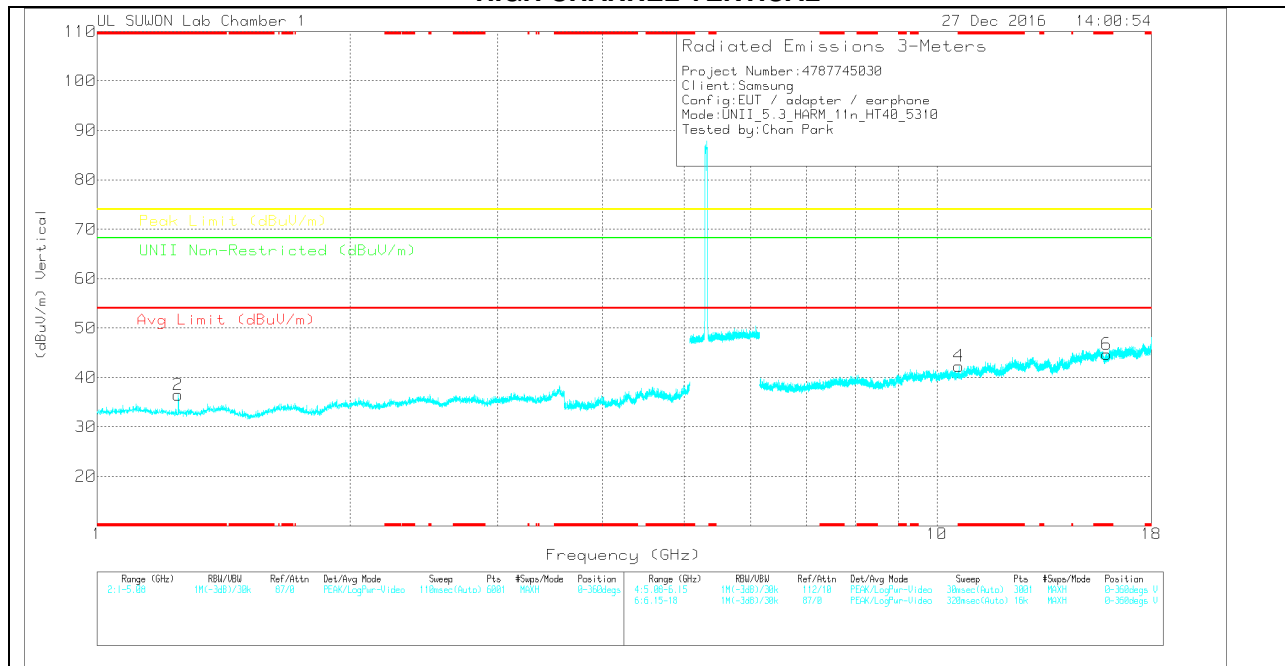
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.5	Pk	28.3	-39.2	0	35.6	-	-	74	-38.4	-	-	0-360	150	H
2	* 1.25	47.4	Pk	28.3	-39.2	0	36.5	-	-	74	-37.5	-	-	0-360	250	V
3	* 10.619	29.88	Pk	37.9	-27.1	0	40.68	-	-	74	-33.32	-	-	0-360	150	H
5	* 15.931	23.3	Pk	40.6	-19.4	0	44.5	-	-	74	-29.5	-	-	0-360	150	H
4	* 10.62	31.51	Pk	37.9	-27.1	0	42.31	-	-	74	-31.69	-	-	0-360	250	V
6	* 15.932	23.51	Pk	40.6	-19.4	0	44.71	-	-	74	-29.29	-	-	0-360	250	V

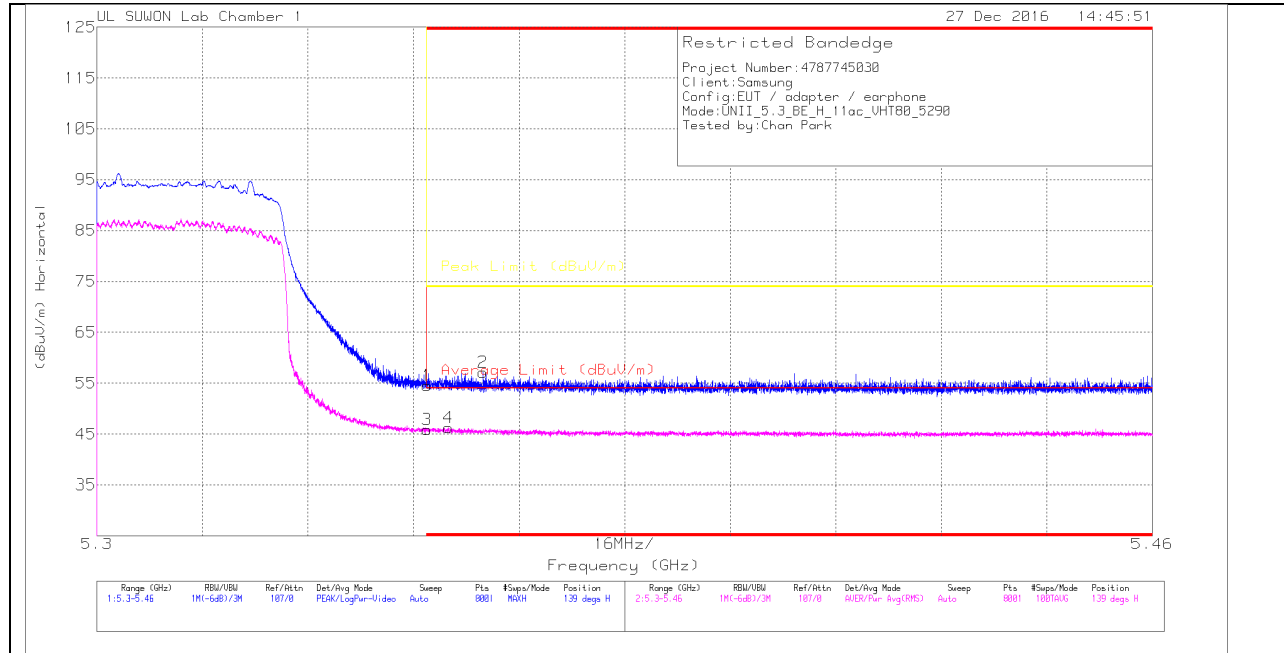
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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. TX ABOVE 1GHz 802.11ac VHT80 MODE IN THE 5.3GHZ BAND

RESTRICTED BANDEDGE (High CHANNEL) HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

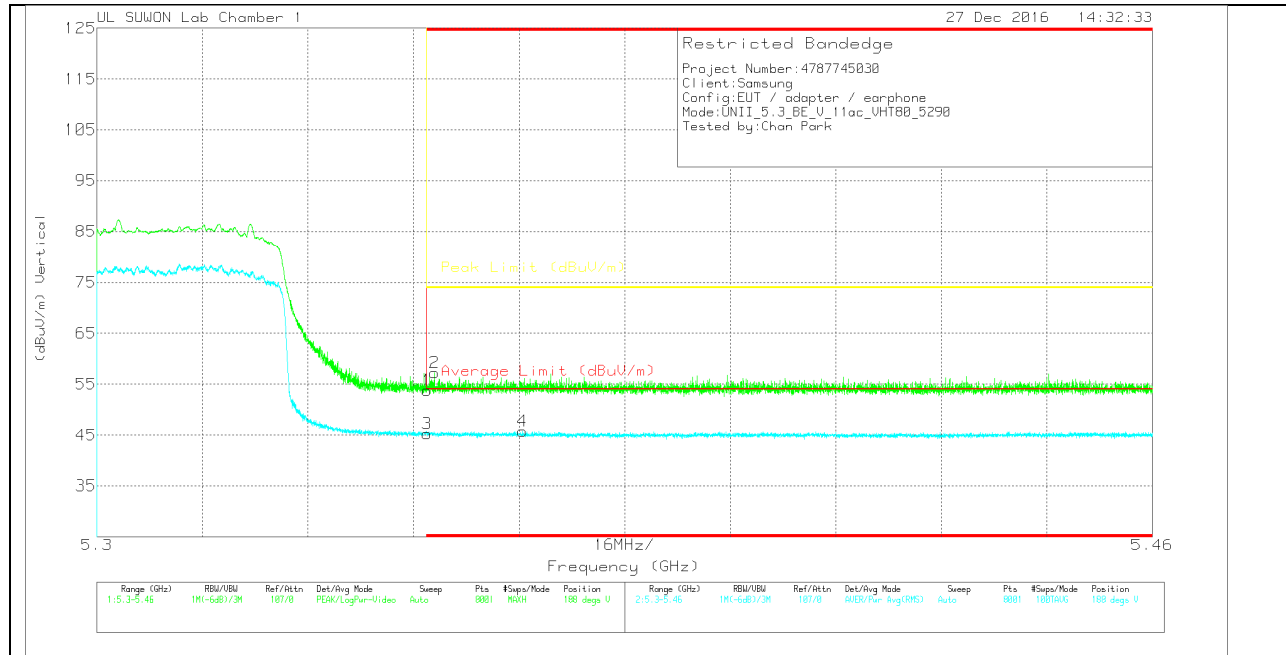
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117[001687 17]_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.14	Pk	34.5	-23.1	0	54.54	-	-	74	-19.46	139	108	H
2	* 5.359	45.77	Pk	34.5	-23.1	0	57.17	-	-	74	-16.83	139	108	H
3	* 5.35	32.94	RMS	34.5	-23.1	1.48	45.82	54	-8.18	-	-	139	108	H
4	* 5.353	33.37	RMS	34.5	-23.1	1.48	46.25	54	-7.75	-	-	139	108	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 171_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.4	Pk	34.5	-23.1	0	53.8	-	-	74	-20.2	188	198	V
2	* 5.351	45.83	Pk	34.5	-23.1	0	57.23	-	-	74	-16.77	188	198	V
3	* 5.35	32.4	RMS	34.5	-23.1	1.48	45.28	54	-8.72	-	-	188	198	V
4	* 5.365	32.92	RMS	34.5	-23.1	1.48	45.8	54	-8.2	-	-	188	198	V

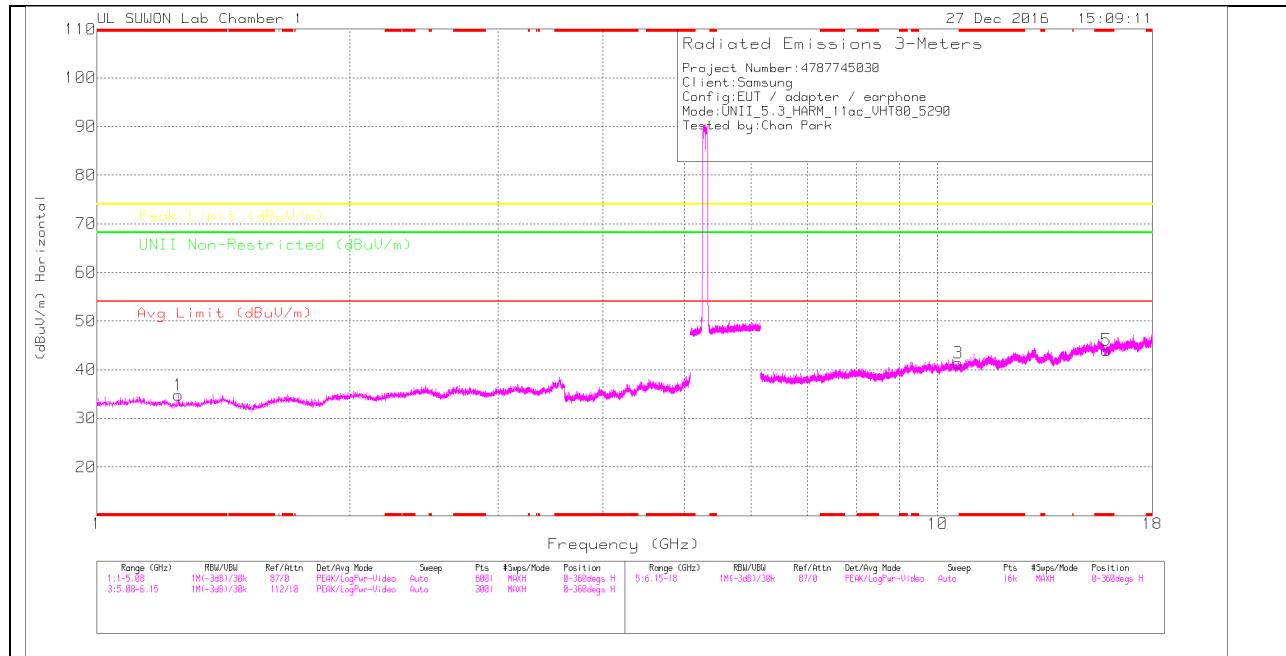
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

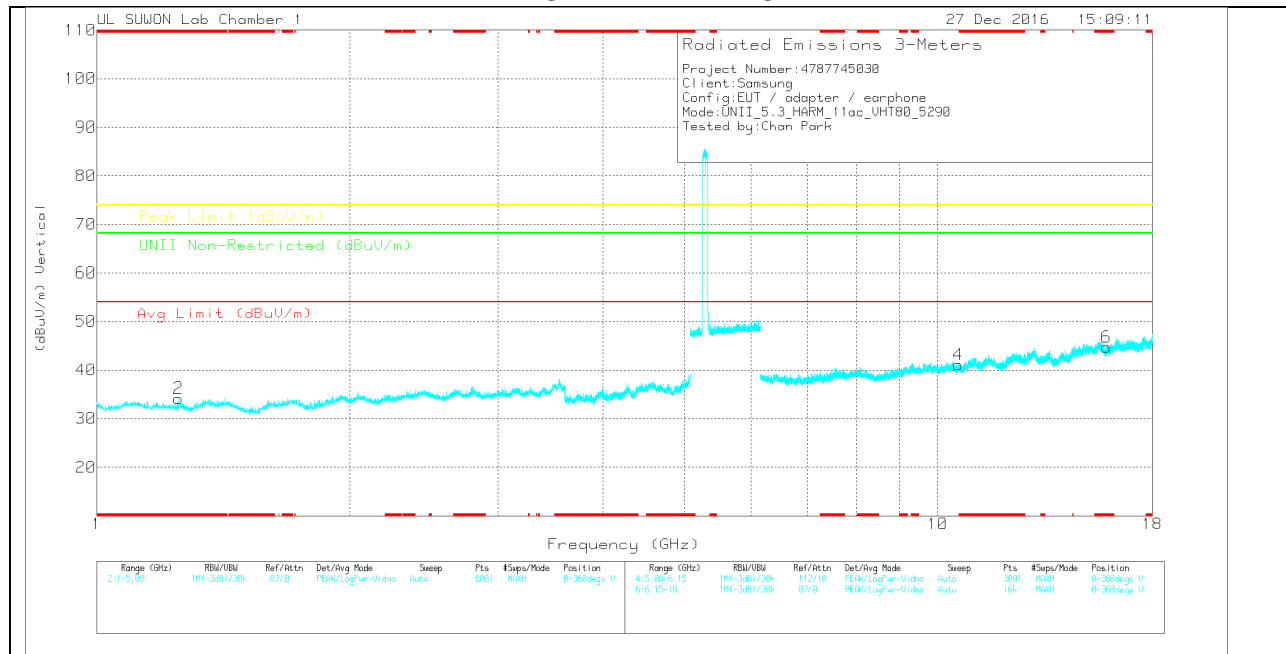
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	45.69	Pk	28.3	-39.2	0	34.79	-	-	74	-39.21	-	-	0-360	150	H
2	* 1.25	45.08	Pk	28.3	-39.2	0	34.18	-	-	74	-39.82	-	-	0-360	250	V
3	10.582	30.12	Pk	37.9	-26.6	0	41.42	-	-	-	-	68.2	-26.78	0-360	150	H
5	* 15.872	22.91	Pk	40.5	-19.4	0	44.01	-	-	74	-29.99	-	-	0-360	250	H
4	10.581	29.78	Pk	37.9	-26.6	0	41.08	-	-	-	-	68.2	-27.12	0-360	150	V
6	* 15.874	23.6	Pk	40.5	-19.4	0	44.7	-	-	74	-29.3	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk – Peak detector

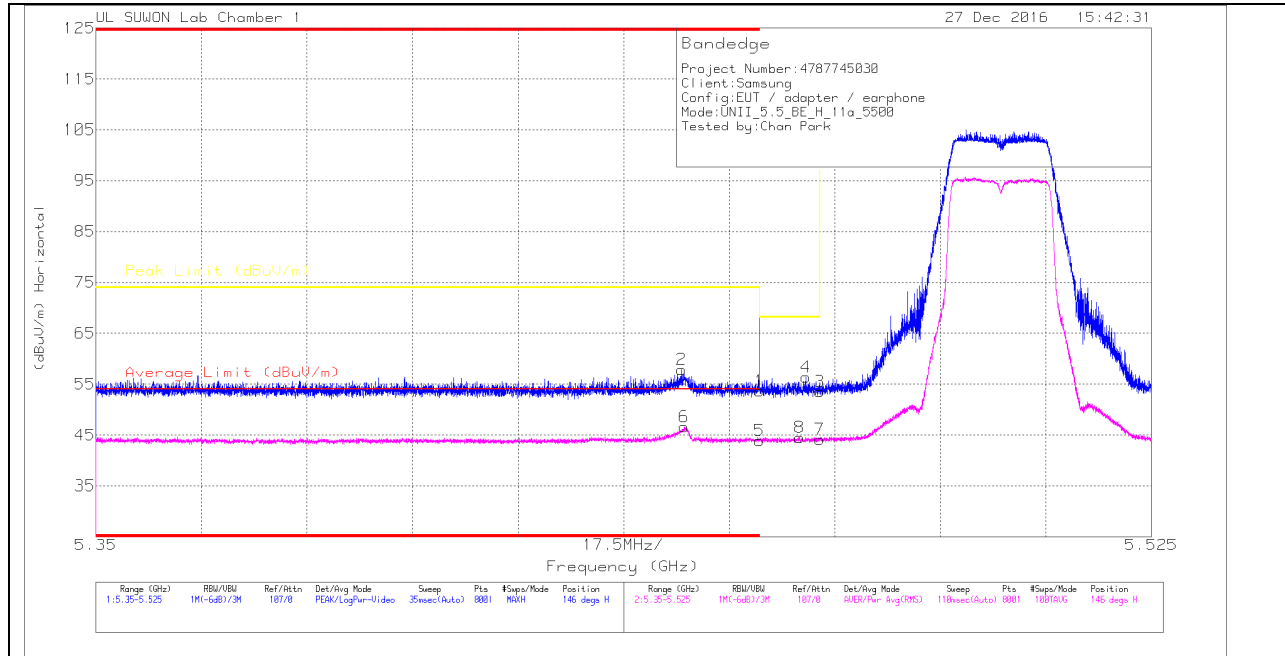
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3. 5.5-5.6 GHz

11.3.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.5 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

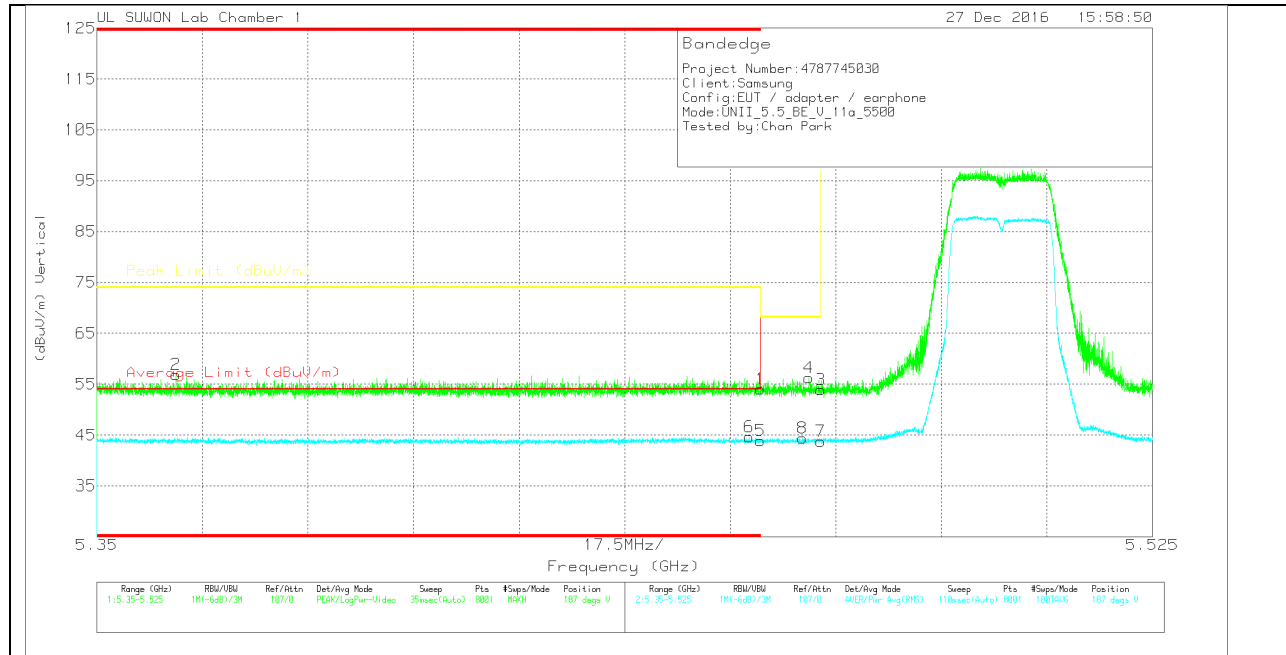
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168 717)_15061 9	10dB[dB]	DC Corr [dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	41.91	Pk		-22.9	0	53.61	-	-	74	-20.39	146	117	H
2	* 5.447	46.3	Pk		-23	0	57.9	-	-	74	-16.1	146	117	H
3	5.47	41.84	Pk		-22.9	0	53.54	-	-	68.2	-14.66	146	117	H
4	5.468	44.64	Pk		-22.9	0	56.34	-	-	68.2	-11.86	146	117	H
5	* 5.46	31.84	RMS		-22.9	.3	43.84	54	-10.16	-	-	146	117	H
6	* 5.448	34.63	RMS		-22.9	.3	46.63	54	-7.37	-	-	146	117	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168 717)_15061 9	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	42.37	Pk	34.6	-22.9	0	54.07	-	-	74	-19.93	187	234	V
2	* 5.363	45.5	Pk	34.5	-23.1	0	56.9	-	-	74	-17.1	187	234	V
3	5.47	42.19	Pk	34.6	-22.9	0	53.89	-	-	68.2	-14.31	187	234	V
4	5.468	44.61	Pk	34.6	-22.9	0	56.31	-	-	68.2	-11.89	187	234	V
5	* 5.46	31.91	RMS	34.6	-22.9	.3	43.91	54	-10.09	-	-	187	234	V
6	* 5.458	32.66	RMS	34.6	-22.9	.3	44.66	54	-9.34	-	-	187	234	V

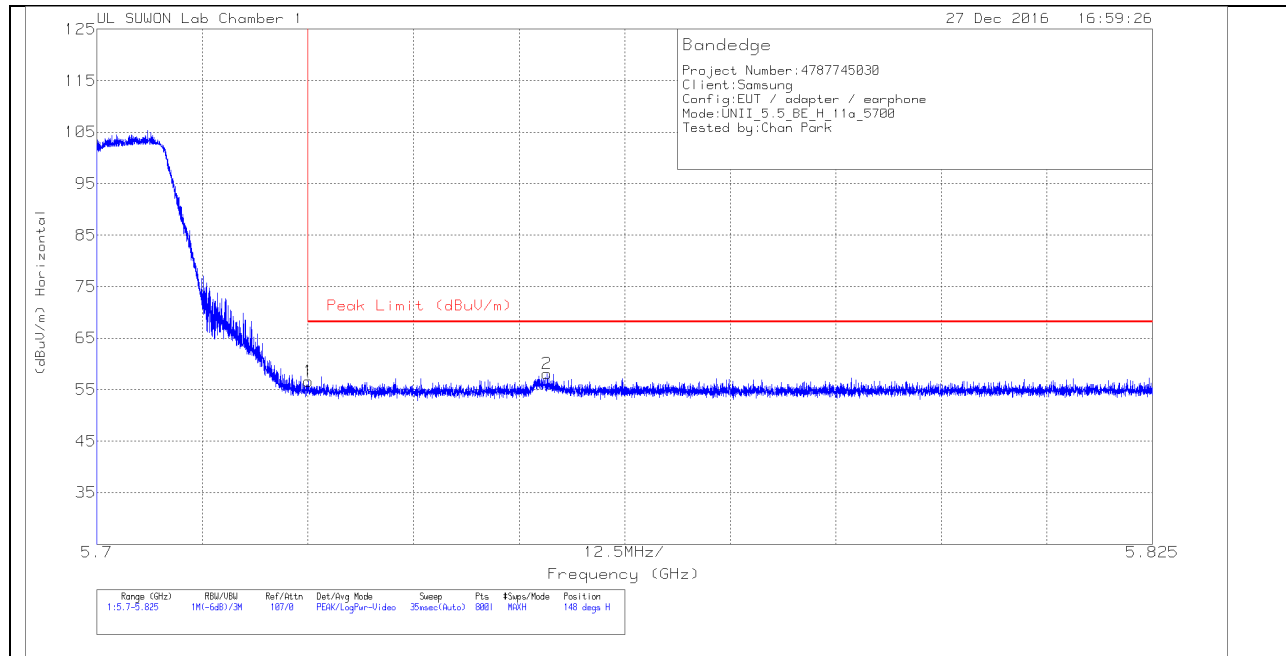
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



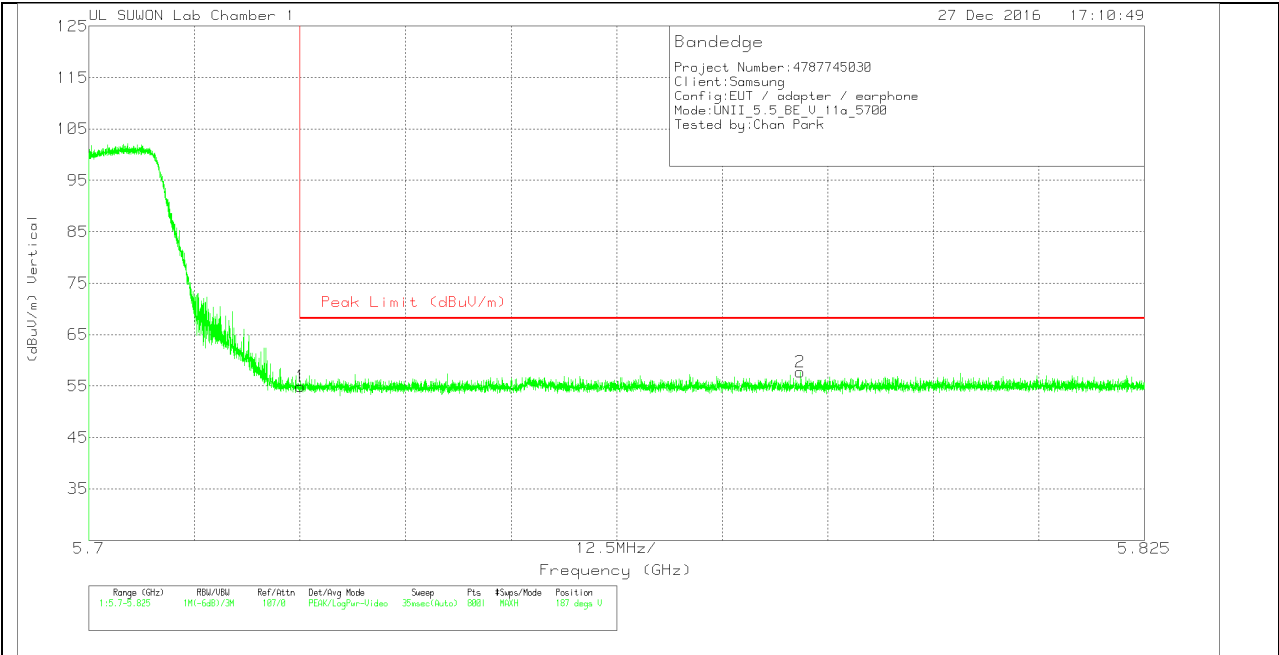
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.45	Pk	34.8	-22.6	0	56.65	68.2	-11.55	148	108	H
2	5.753	45.78	Pk	34.8	-22.5	0	58.08	68.2	-10.12	148	108	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

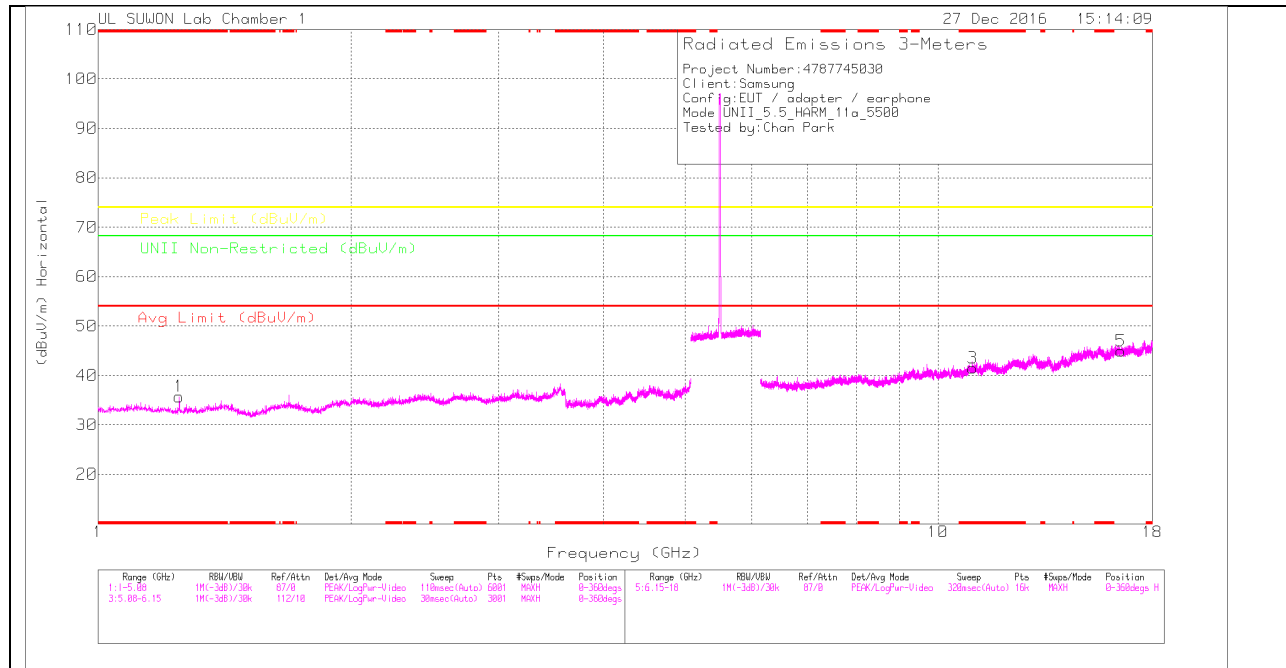
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.67	Pk	34.8	-22.6	0	54.87	68.2	-13.33	187	233	V
2	5.784	45.37	Pk	34.8	-22.4	0	57.77	68.2	-10.43	187	233	V

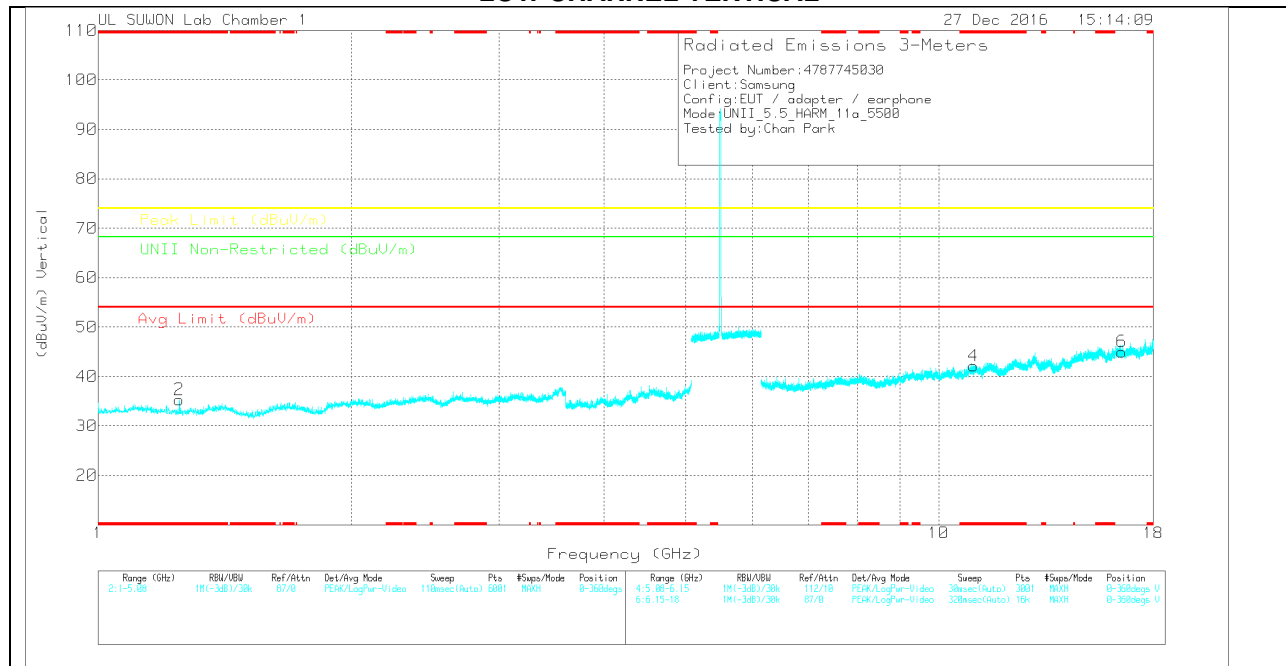
Pk - Peak detector

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

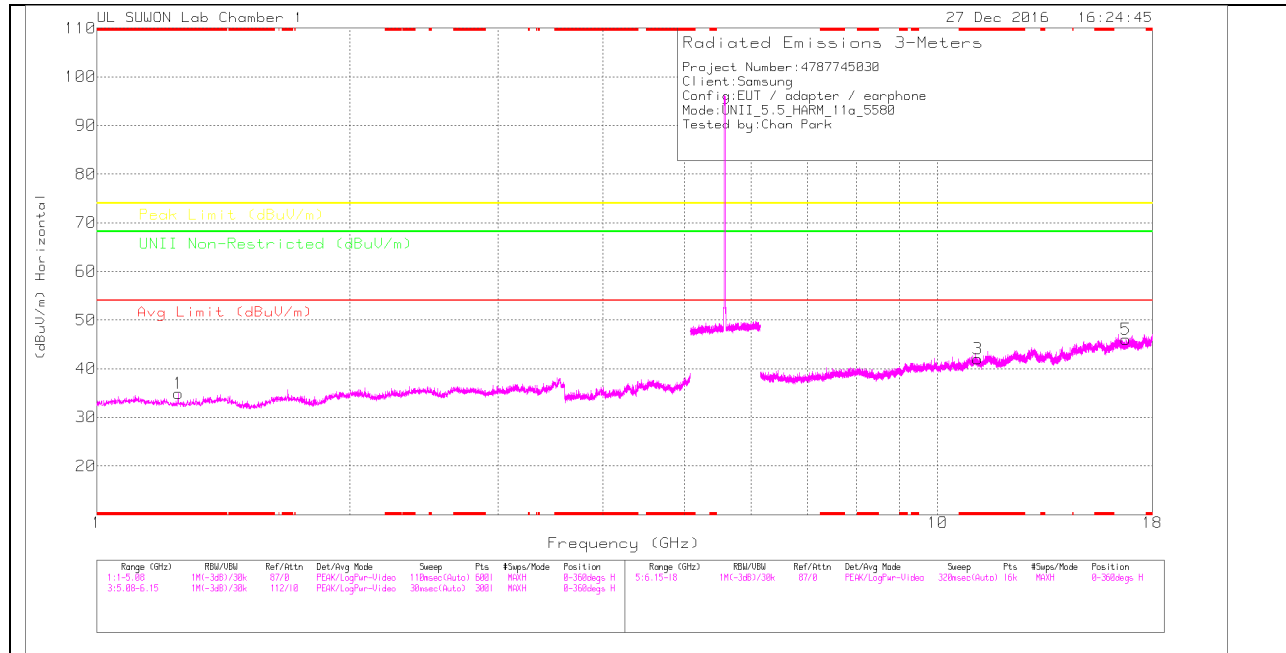
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.62	Pk	28.3	-39.2	0	35.72	-	-	74	-38.28	-	-	0-360	150	H
2	* 1.25	46.21	Pk	28.3	-39.2	0	35.31	-	-	74	-38.69	-	-	0-360	250	V
3	* 11.001	30.48	Pk	38.2	-27.2	0	41.48	-	-	74	-32.52	-	-	0-360	250	H
5	16.503	26.24	Pk	41.1	-22.4	0	44.94	-	-	-	-	68.2	-23.26	0-360	250	H
4	* 10.999	31.12	Pk	38.2	-27.2	0	42.12	-	-	74	-31.88	-	-	0-360	250	V
6	16.503	26.3	Pk	41.1	-22.4	0	45	-	-	-	-	68.2	-23.2	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

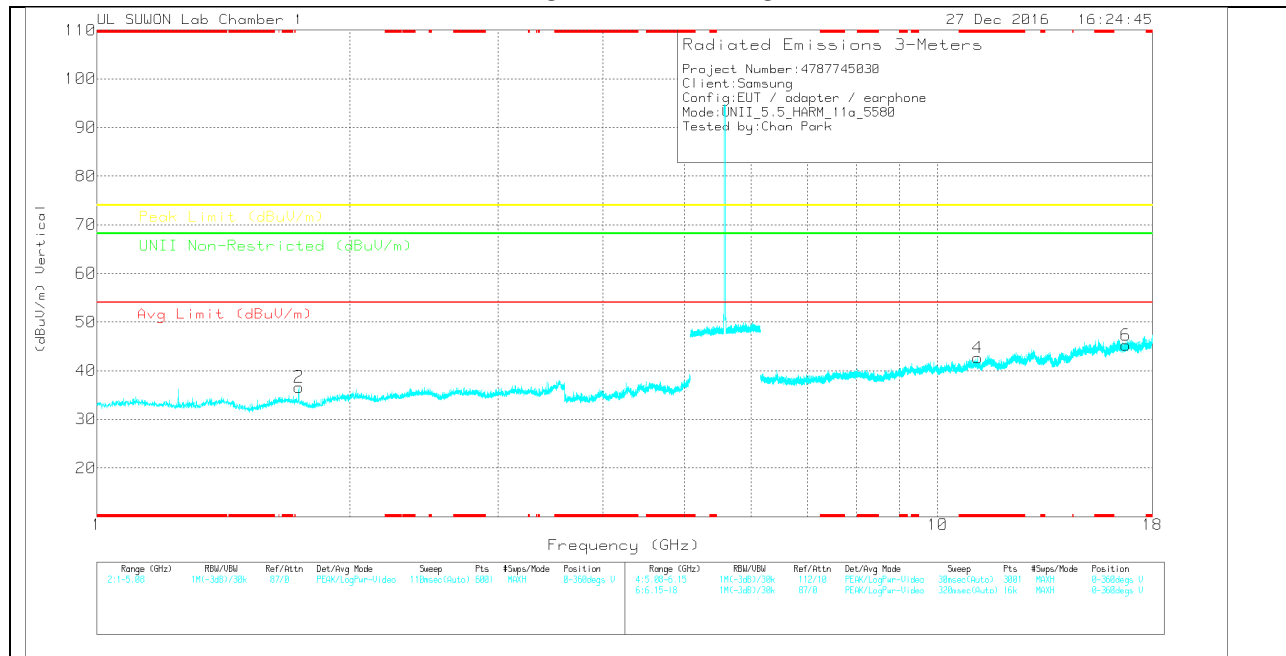
Pk – Peak detector

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

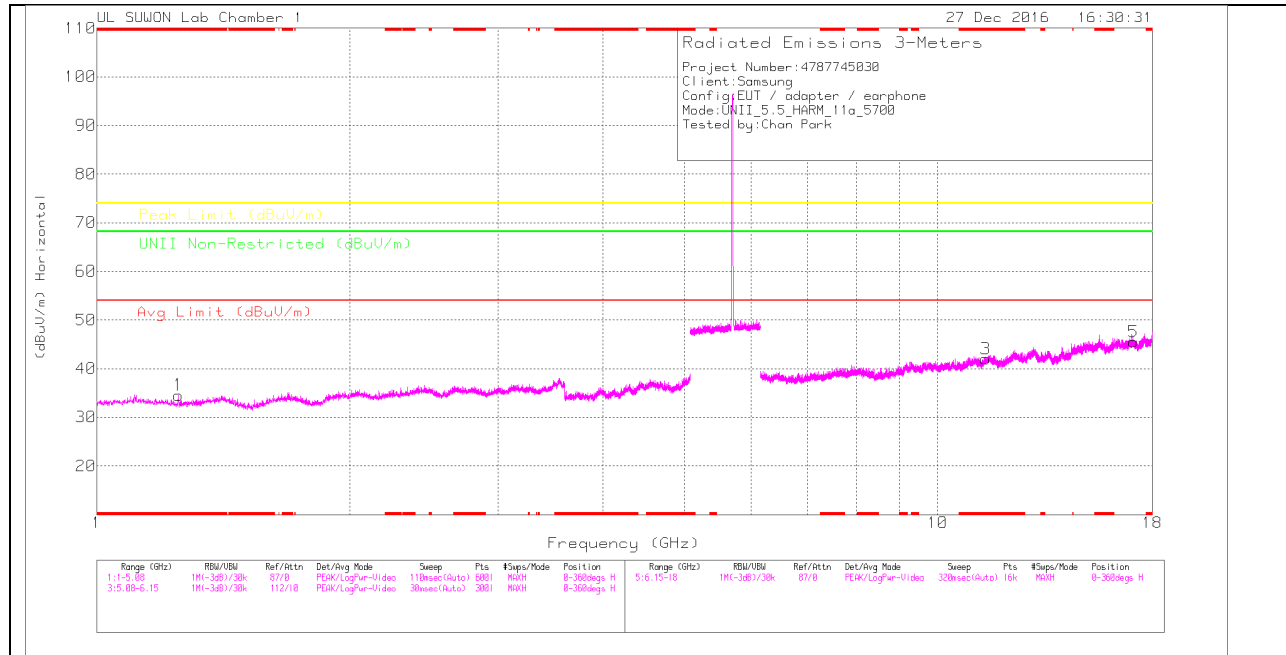
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP(d B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.77	Pk	28.3	-39.2	0	34.87	-	-	74	-39.13	-	-	0-360	150	H
2	1.738	45.34	Pk	29.8	-38.5	0	36.64	-	-	-	-	68.2	-31.56	0-360	150	V
3	* 11.166	30.57	Pk	38.3	-26.9	0	41.97	-	-	74	-32.03	-	-	0-360	250	H
5	16.742	26.6	Pk	41.3	-21.9	0	46	-	-	-	-	68.2	-22.2	0-360	250	H
4	* 11.16	31.32	Pk	38.3	-27	0	42.62	-	-	74	-31.38	-	-	0-360	250	V
6	16.742	25.83	Pk	41.3	-21.9	0	45.23	-	-	-	-	68.2	-22.97	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

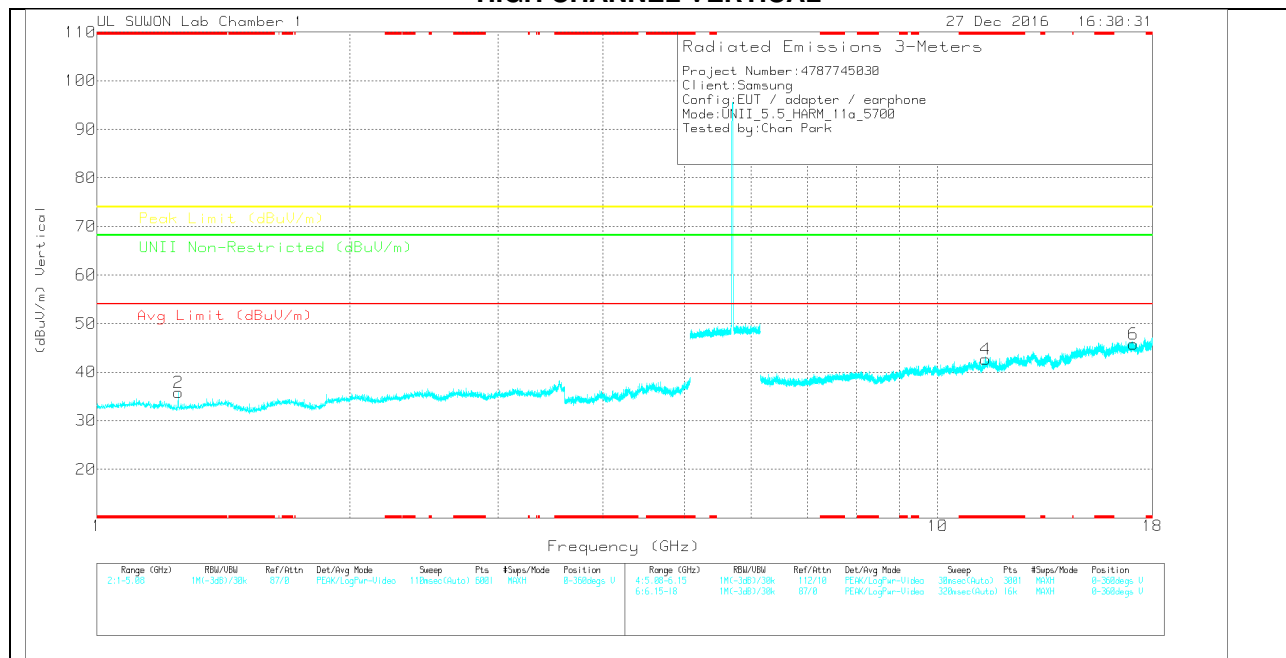
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	45.47	Pk	28.3	-39.2	0	34.57	-	-	74	-39.43	-	-	0-360	150	H
2	* 1.25	46.73	Pk	28.3	-39.2	0	35.83	-	-	74	-38.17	-	-	0-360	250	V
3	* 11.4	30.67	Pk	38.5	-27.2	0	41.97	-	-	74	-32.03	-	-	0-360	150	H
5	17.1	25.97	Pk	41.3	-21.8	0	45.47	-	-	-	-	68.2	-22.73	0-360	150	H
4	* 11.4	31.39	Pk	38.5	-27.2	0	42.69	-	-	74	-31.31	-	-	0-360	250	V
6	17.099	26.21	Pk	41.3	-21.7	0	45.81	-	-	-	-	68.2	-22.39	0-360	250	V

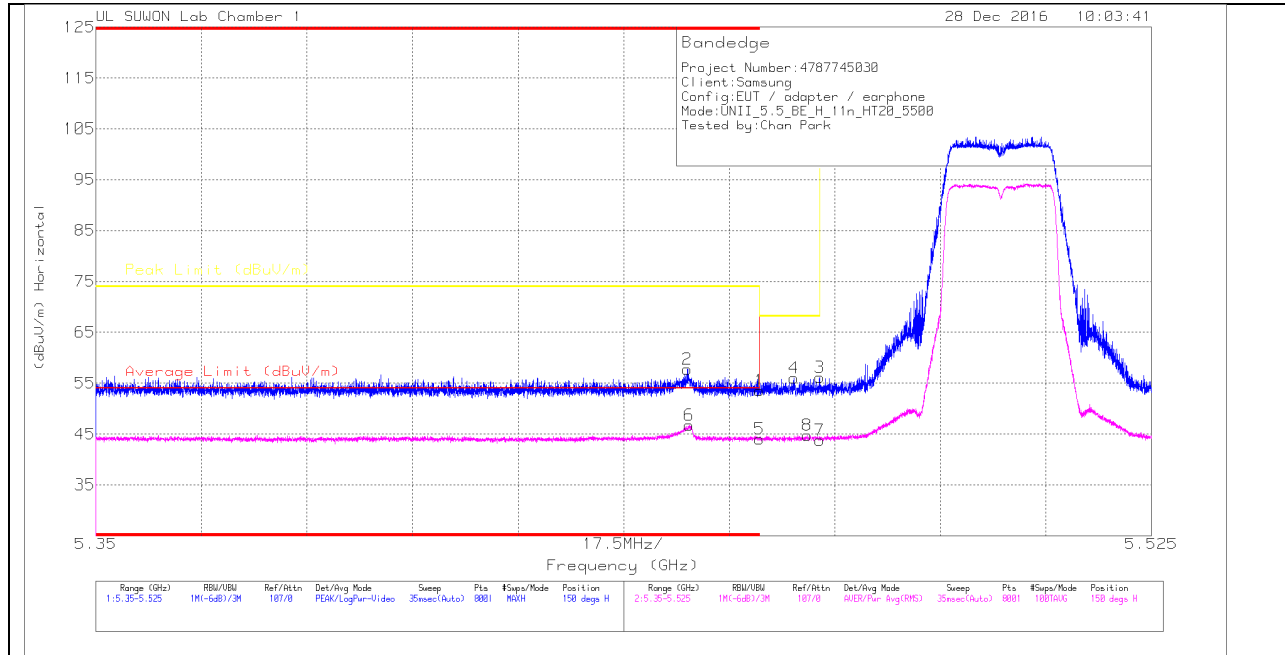
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

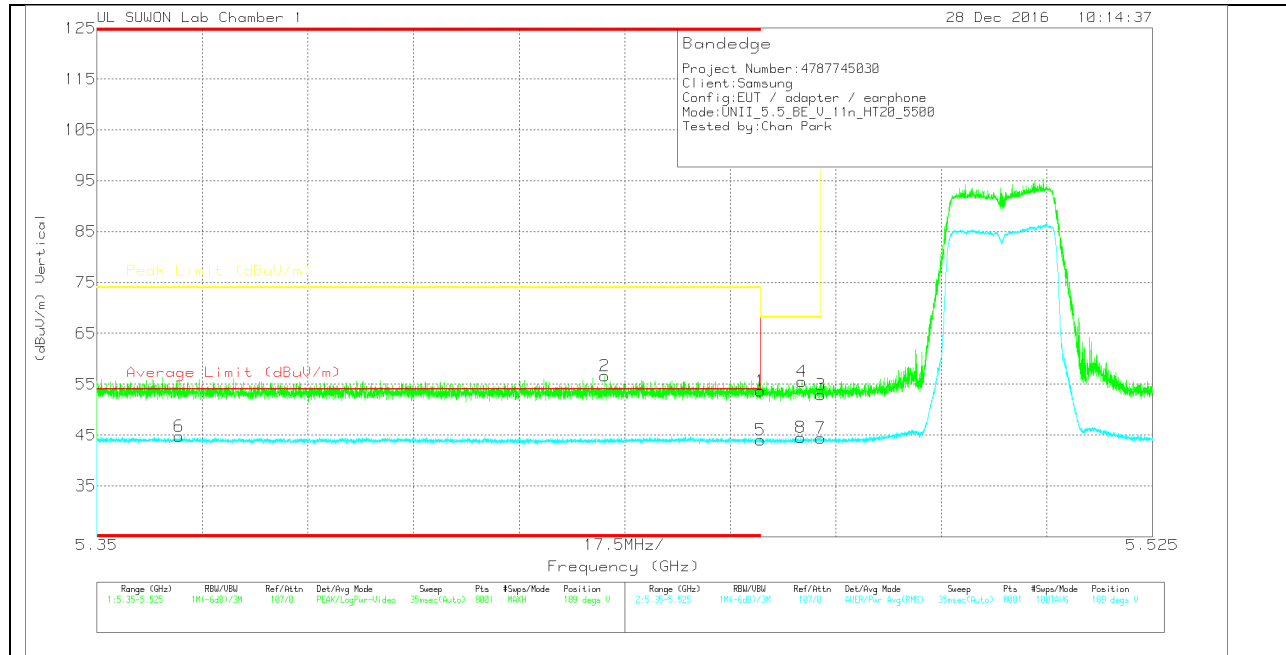
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	41.88	Pk	34.6	-22.9	0	53.58	-	-	74	-20.42	150	108	H
2	* 5.448	46.07	Pk	34.6	-22.9	0	57.77	-	-	74	-16.23	150	108	H
3	5.47	44.39	Pk	34.6	-22.9	0	56.09	-	-	68.2	-12.11	150	108	H
4	5.466	44.29	Pk	34.6	-22.9	0	55.99	-	-	68.2	-12.21	150	108	H
5	* 5.46	32.05	RMS	34.6	-22.9	.32	44.07	54	-9.93	-	-	150	108	H
6	* 5.448	34.67	RMS	34.6	-22.9	.32	46.69	54	-7.31	-	-	150	108	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 171_150619	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	41.96	Pk		-22.9	0	53.66	-	-	74	-20.34	189	261	V
2	* 5.434	45.04	Pk		-23	0	56.64	-	-	74	-17.36	189	261	V
3	5.47	41.26	Pk		-22.9	0	52.96	-	-	68.2	-15.24	189	261	V
4	5.467	43.85	Pk		-22.9	0	55.55	-	-	68.2	-12.65	189	261	V
5	* 5.46	32.03	RMS		-22.9	.32	44.05	54	-9.95	-	-	189	261	V
6	* 5.364	33.03	RMS		-23.1	.32	44.75	54	-9.25	-	-	189	261	V

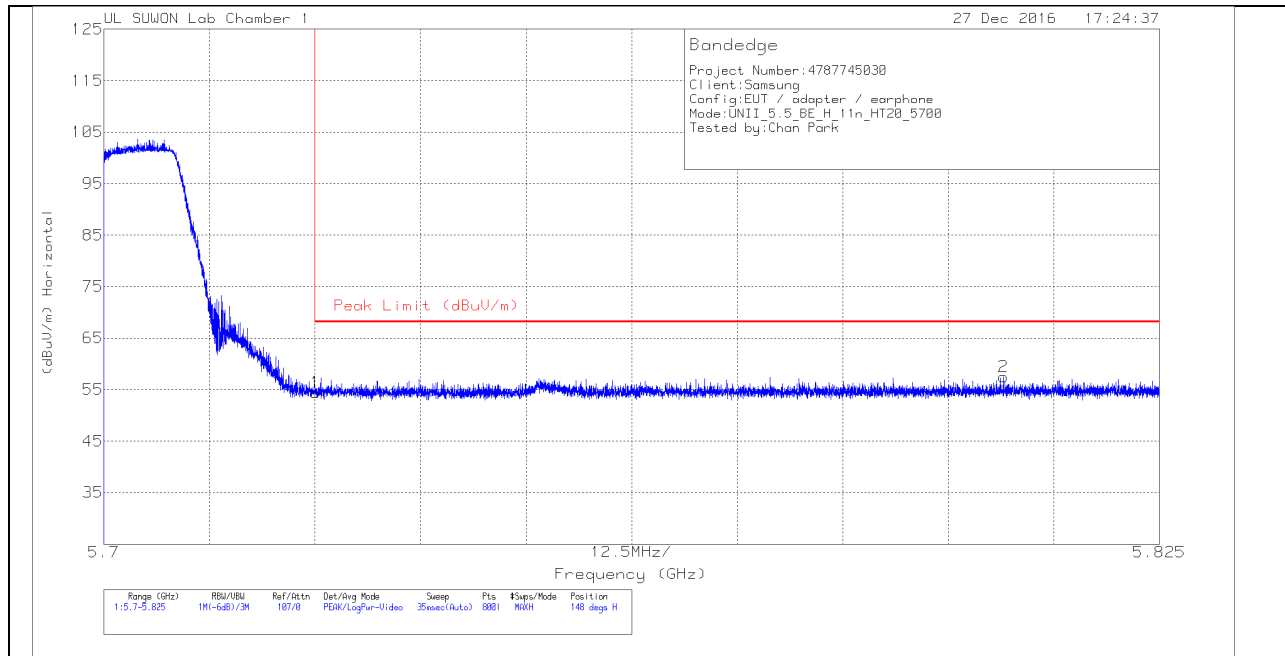
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



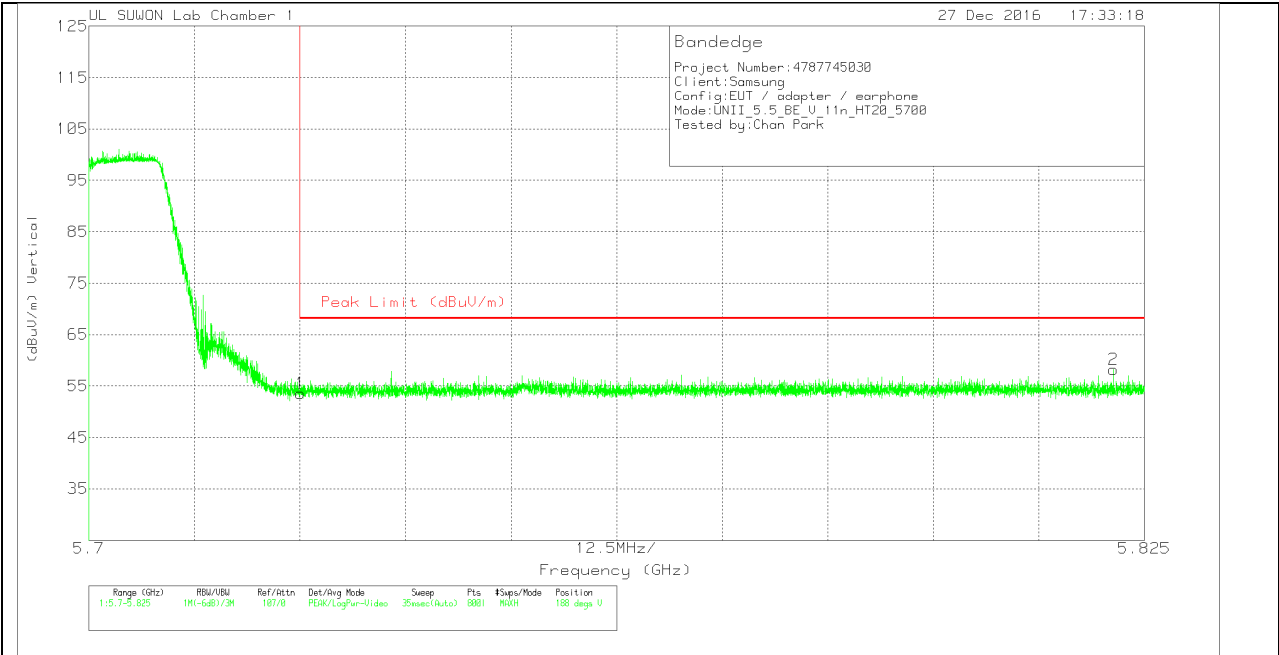
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.29	Pk	34.8	-22.6	0	54.49	68.2	-13.71	148	108	H
2	5.807	44.94	Pk	34.8	-22.3	0	57.44	68.2	-10.76	148	108	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

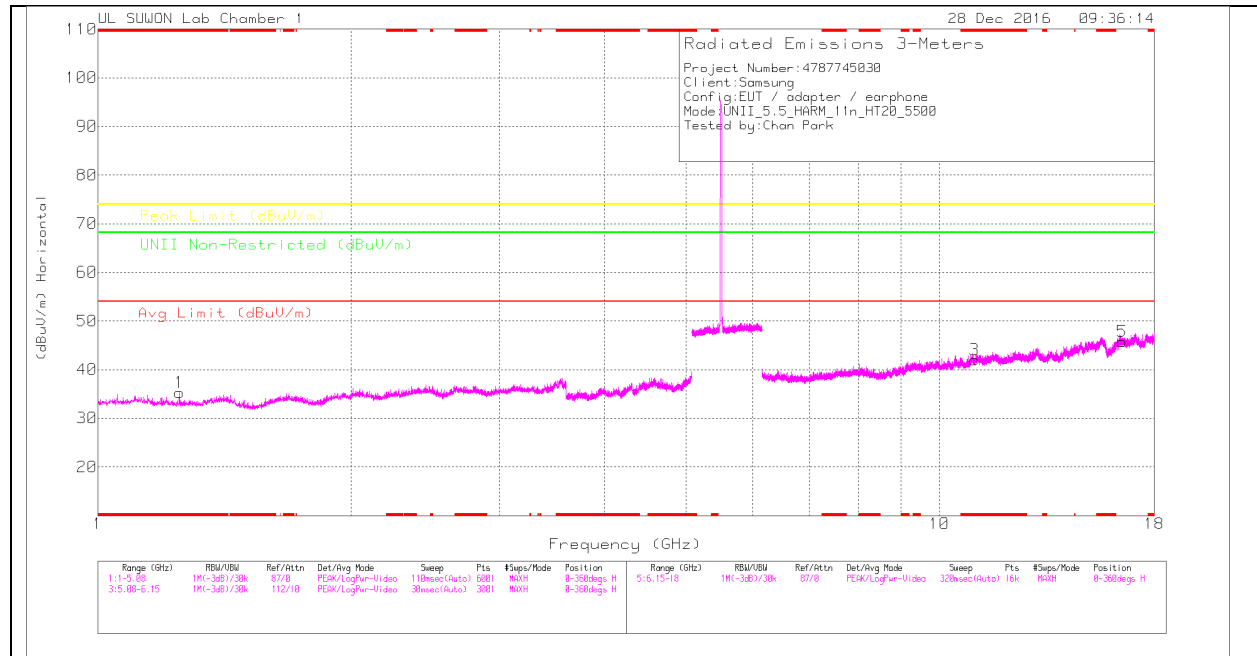
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.4	Pk	34.8	-22.6	0	53.6	68.2	-14.6	188	275	V
2	5.821	45.62	Pk	34.8	-22.2	0	58.22	68.2	-9.98	188	275	V

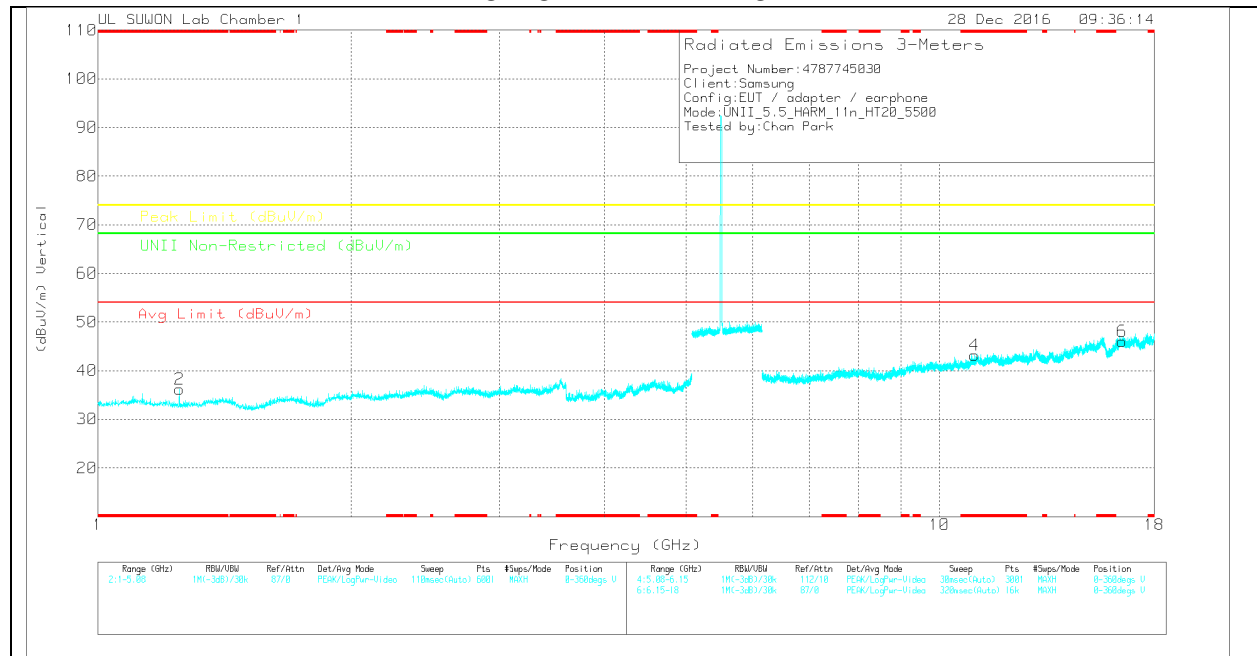
Pk - Peak detector

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

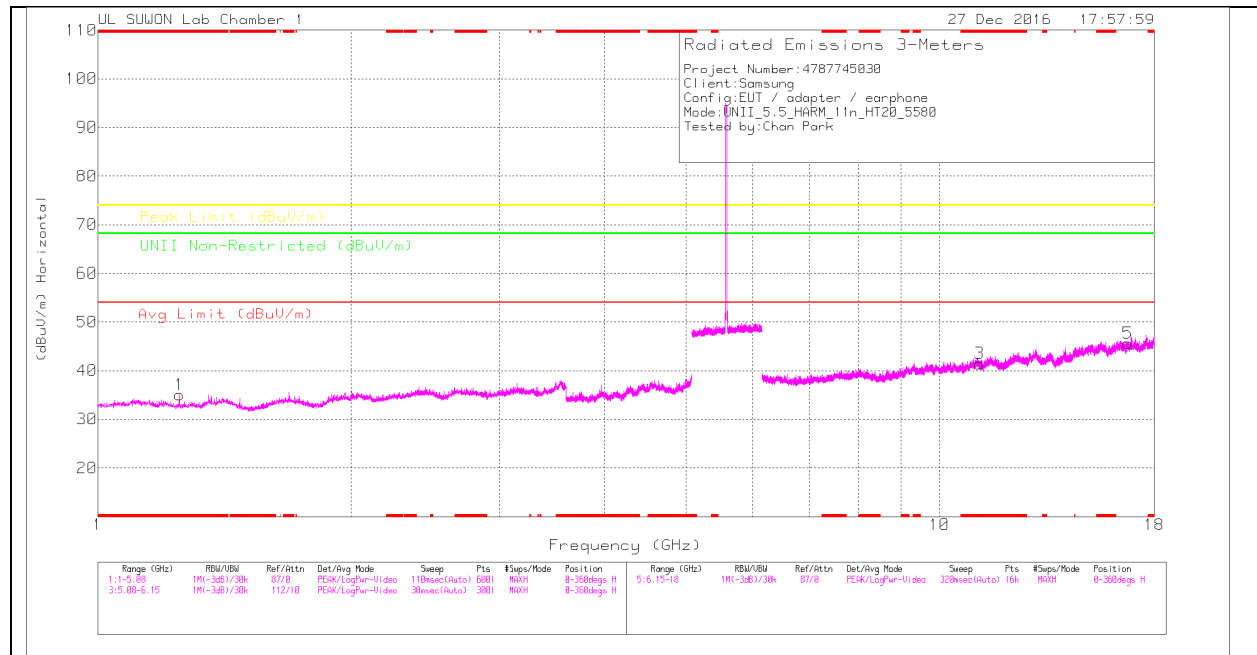
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.13	Pk	28.3	-39.2	0	35.23	-	-	74	-38.77	-	-	0-360	150	H
2	* 1.25	47.07	Pk	28.3	-39.2	0	36.17	-	-	74	-37.83	-	-	0-360	250	V
3	* 11.002	31	Pk	38.2	-27.2	0	42	-	-	74	-32	-	-	0-360	150	H
5	16.497	26.9	Pk	41.1	-22.2	0	45.8	-	-	-	-	68.2	-22.4	0-360	150	H
4	* 11	32.13	Pk	38.2	-27.2	0	43.13	-	-	74	-30.87	-	-	0-360	250	V
6	16.497	27.17	Pk	41.1	-22.3	0	45.97	-	-	-	-	68.2	-22.23	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

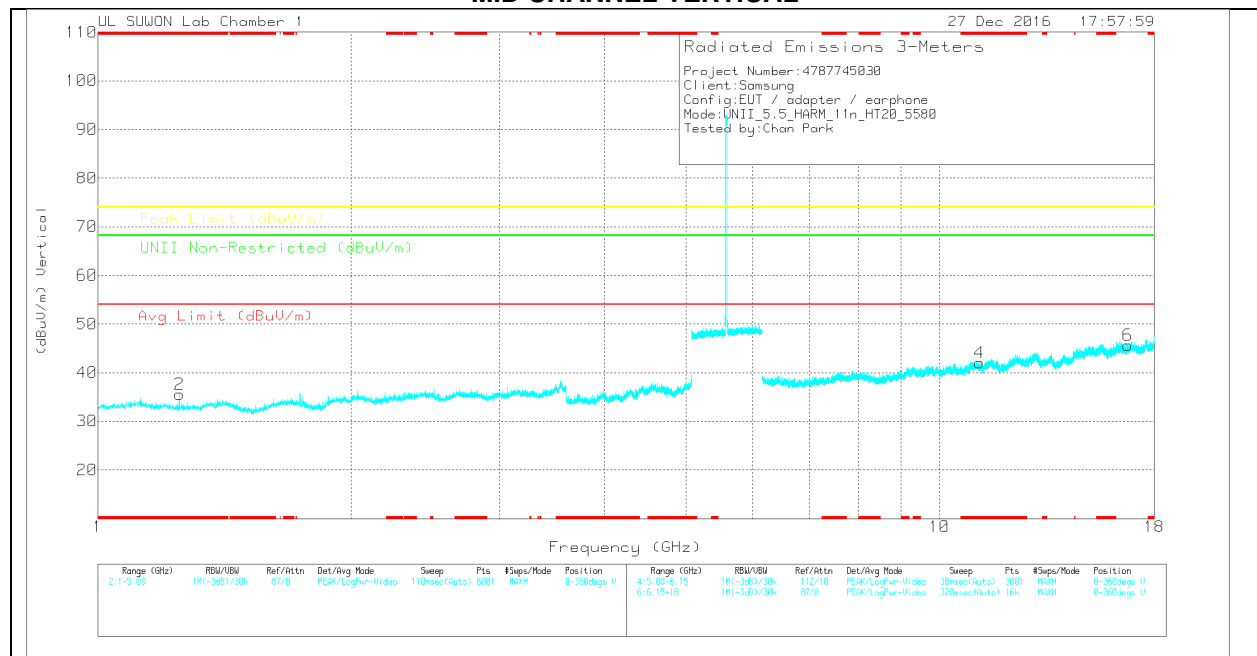
Pk – Peak detector

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

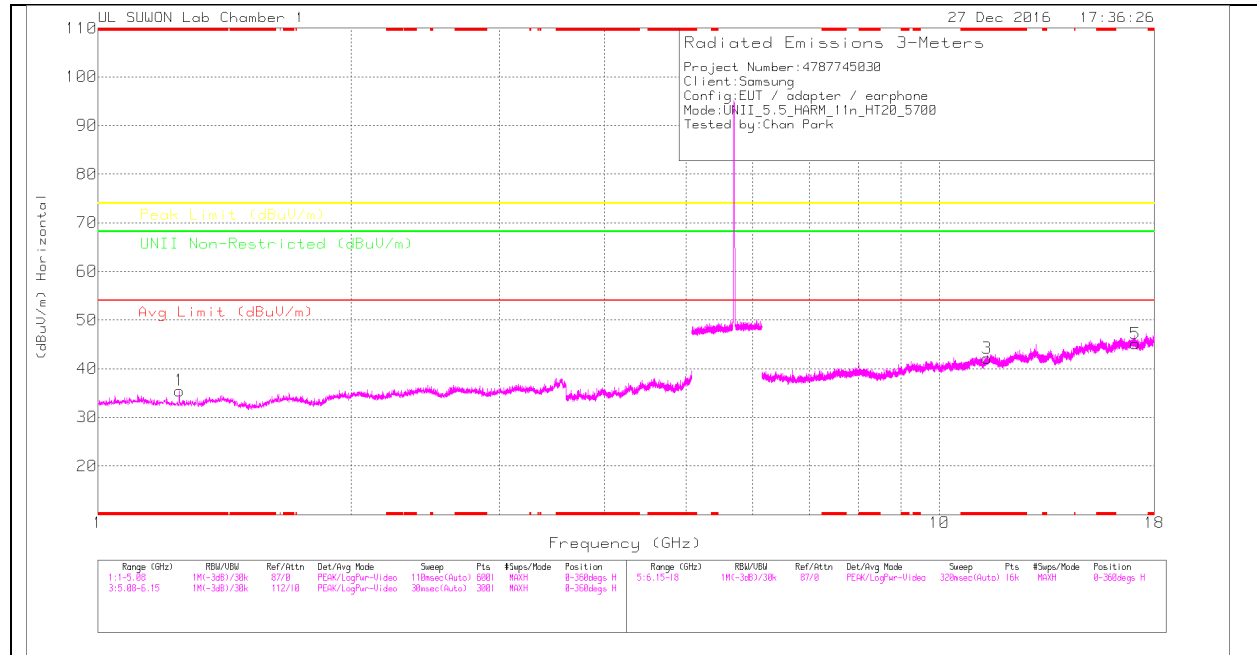
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.92	Pk	28.3	-39.2	0	35.02	-	-	74	-38.98	-	-	0-360	150	H
2	* 1.25	46.41	Pk	28.3	-39.2	0	35.51	-	-	74	-38.49	-	-	0-360	250	V
3	* 11.156	30.03	Pk	38.3	-26.9	0	41.43	-	-	74	-32.57	-	-	0-360	250	H
5	16.744	26.31	Pk	41.3	-22	0	45.61	-	-	-	-	68.2	-22.59	0-360	250	H
4	* 11.16	30.73	Pk	38.3	-27	0	42.03	-	-	74	-31.97	-	-	0-360	250	V
6	16.746	26.36	Pk	41.3	-22	0	45.66	-	-	-	-	68.2	-22.54	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

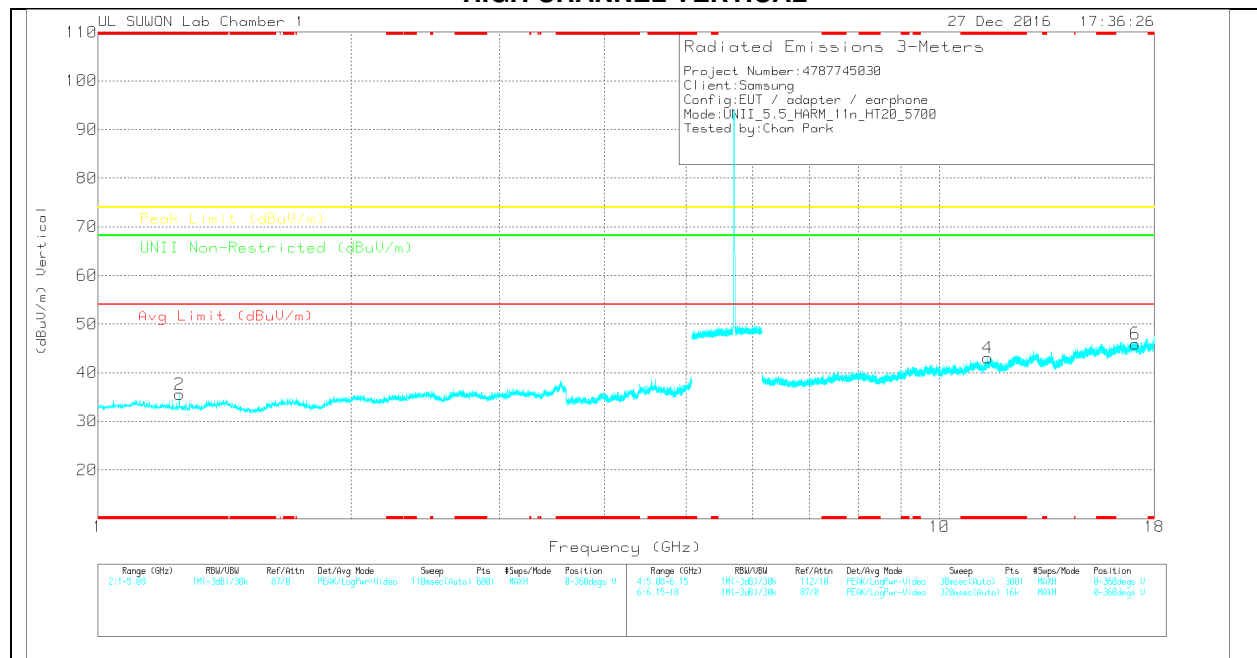
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.38	Pk	28.3	-39.2	0	35.48	-	-	74	-38.52	-	-	0-360	150	H
2	* 1.25	46.48	Pk	28.3	-39.2	0	35.58	-	-	74	-38.42	-	-	0-360	250	V
3	* 11.396	30.62	Pk	38.5	-27	0	42.12	-	-	74	-31.88	-	-	0-360	150	H
5	17.101	25.64	Pk	41.3	-21.8	0	45.14	-	-	-	-	68.2	-23.06	0-360	250	H
4	* 11.402	31.79	Pk	38.5	-27.3	0	42.99	-	-	74	-31.01	-	-	0-360	150	V
6	17.098	26.35	Pk	41.3	-21.7	0	45.95	-	-	-	-	68.2	-22.25	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

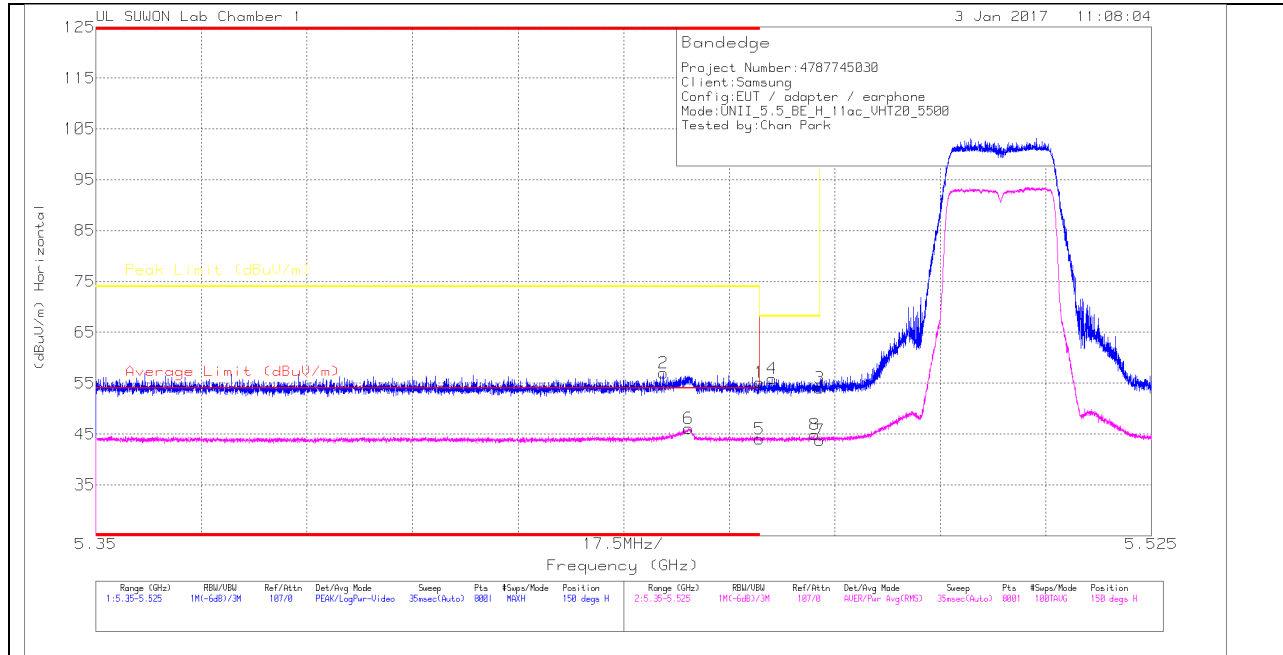
Pk – Peak detector

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 1 GHz 802.11ac VHT20 MODE IN THE 5.5 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

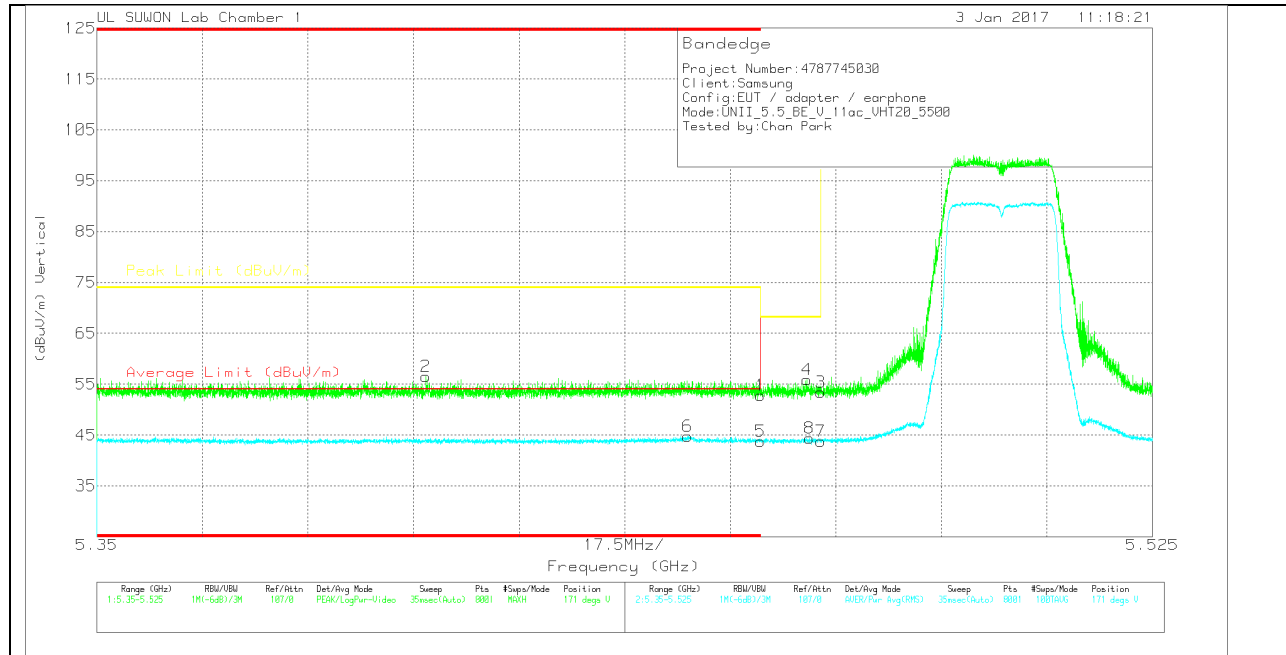
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117[001687 17]_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	43.42	Pk	34.6	-22.9	0	55.12	-	-	74	-18.88	150	106	H
2	* 5.444	45.38	Pk	34.6	-23	0	56.98	-	-	74	-17.02	150	106	H
3	5.47	42.36	Pk	34.6	-22.9	0	54.06	-	-	68.2	-14.14	150	106	H
4	5.462	44.24	Pk	34.6	-22.9	0	55.94	-	-	68.2	-12.26	150	106	H
5	* 5.46	32.02	RMS	34.6	-22.9	.32	44.04	54	-9.96	-	-	150	106	H
6	* 5.448	34.05	RMS	34.6	-22.9	.32	46.07	54	-7.93	-	-	150	106	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168 717)_15061 9	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	41.12	Pk	34.6	-22.9	0	52.82	-	-	74	-21.18	171	374	V
2	* 5.405	44.96	Pk	34.6	-23.1	0	56.46	-	-	74	-17.54	171	374	V
3	5.47	41.77	Pk	34.6	-22.9	0	53.47	-	-	68.2	-14.73	171	374	V
4	5.468	44.16	Pk	34.6	-22.9	0	55.86	-	-	68.2	-12.34	171	374	V
5	* 5.46	31.73	RMS	34.6	-22.9	.32	43.75	54	-10.25	-	-	171	374	V
6	* 5.448	32.78	RMS	34.6	-22.9	.32	44.8	54	-9.2	-	-	171	374	V

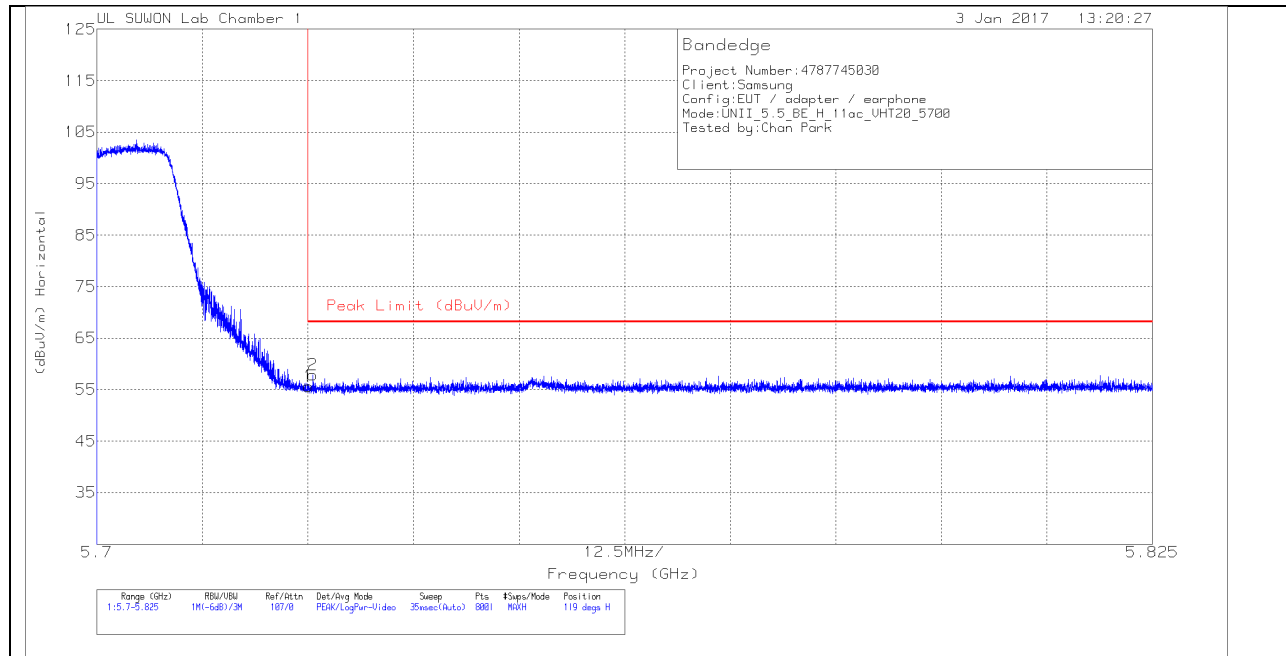
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



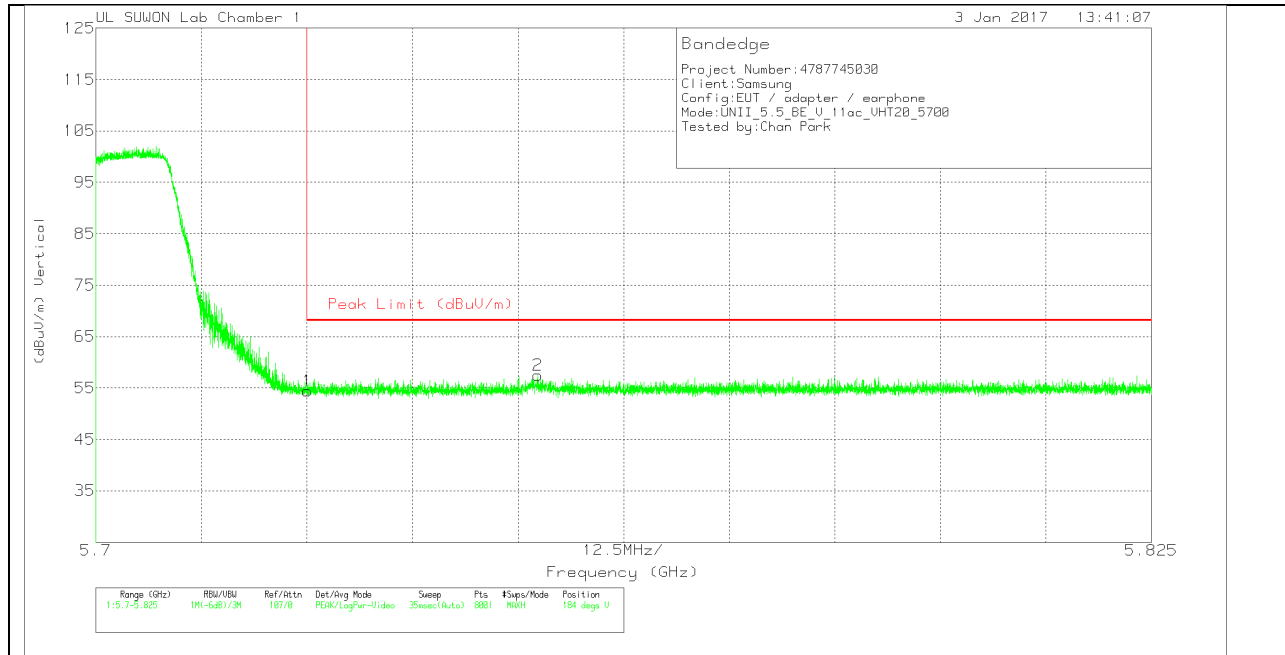
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.46	Pk	34.8	-22.6	0	55.66	68.2	-12.54	119	102	H
2	5.726	45.61	Pk	34.8	-22.6	0	57.81	68.2	-10.39	119	102	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

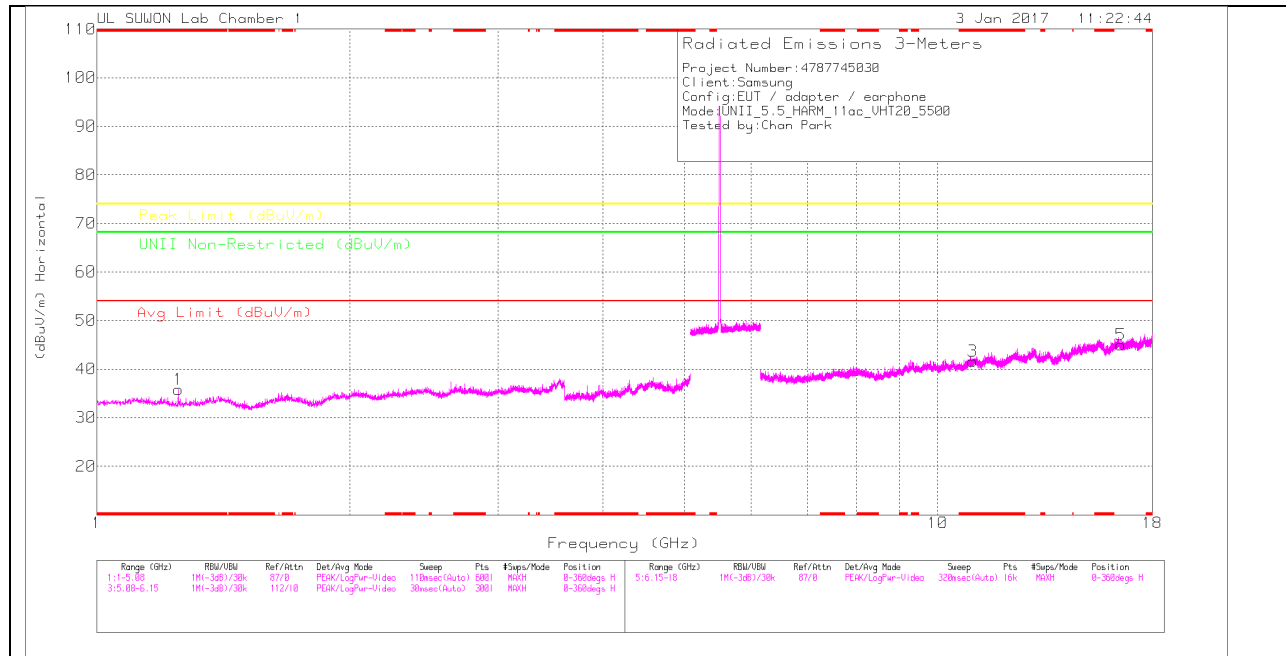
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.24	Pk	34.8	-22.6	0	54.44	68.2	-13.76	184	271	V
2	5.752	45.18	Pk	34.8	-22.5	0	57.48	68.2	-10.72	184	271	V

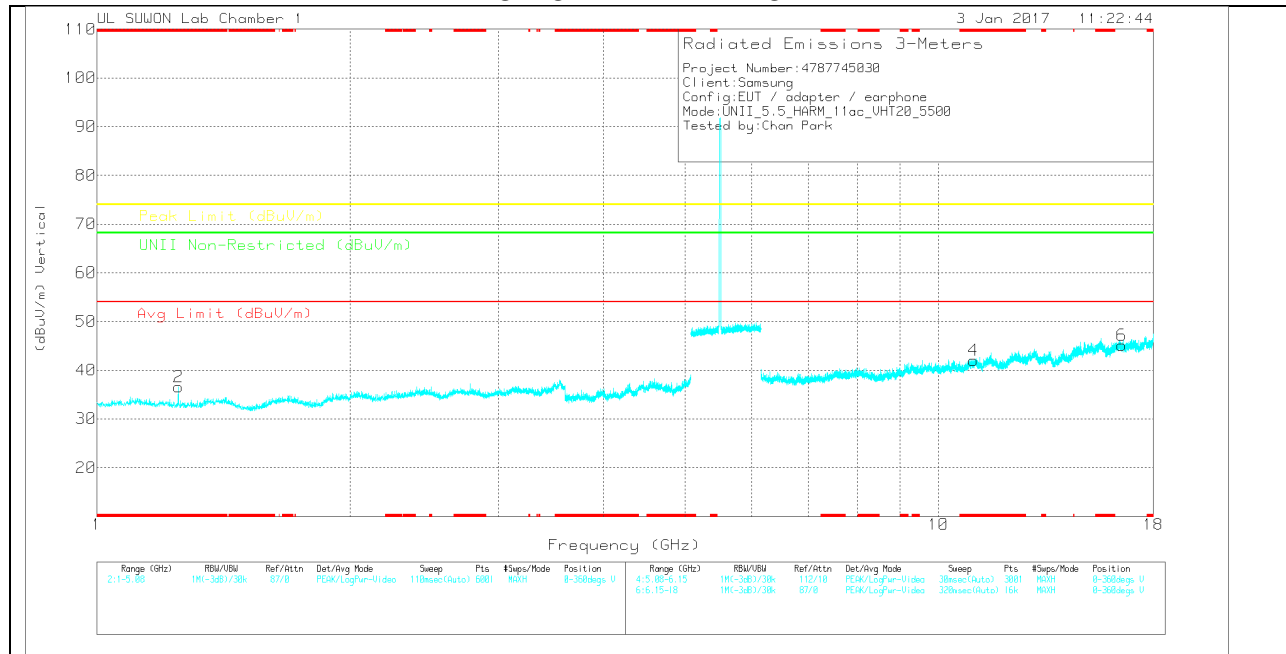
Pk - Peak detector

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

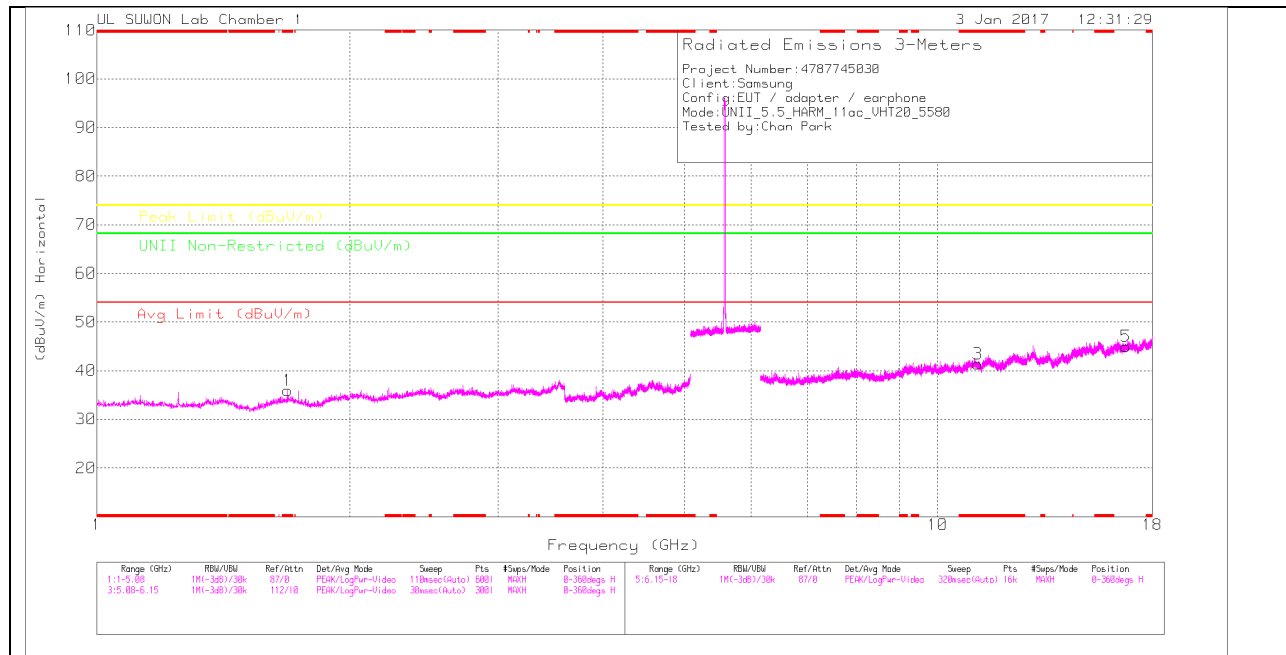
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.74	Pk	28.3	-39.2	0	35.84	-	-	74	-38.16	-	-	0-360	150	H
2	* 1.25	47.48	Pk	28.3	-39.2	0	36.58	-	-	74	-37.42	-	-	0-360	250	V
3	* 11.001	30.6	Pk	38.2	-27.2	0	41.6	-	-	74	-32.4	-	-	0-360	150	H
5	16.503	26.28	Pk	41.1	-22.4	0	44.98	-	-	-	-	68.2	-23.22	0-360	250	H
4	* 11	31.04	Pk	38.2	-27.2	0	42.04	-	-	74	-31.96	-	-	0-360	250	V
6	16.501	26.4	Pk	41.1	-22.4	0	45.1	-	-	-	-	68.2	-23.1	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

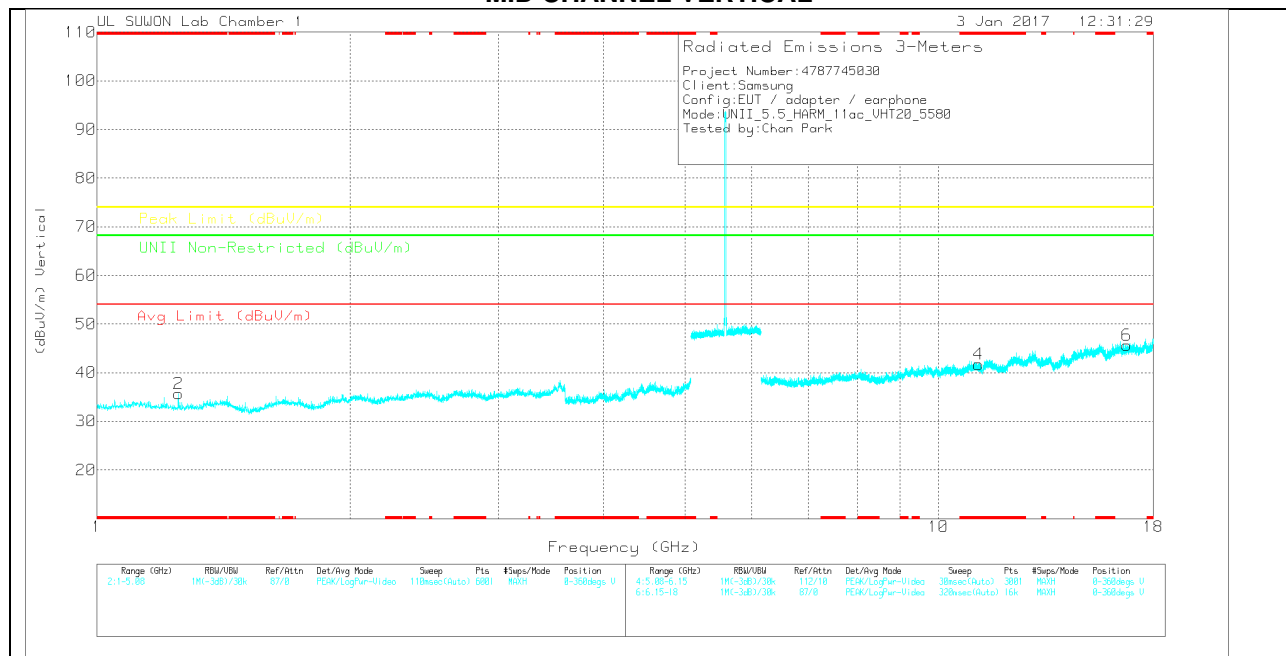
Pk – Peak detector

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

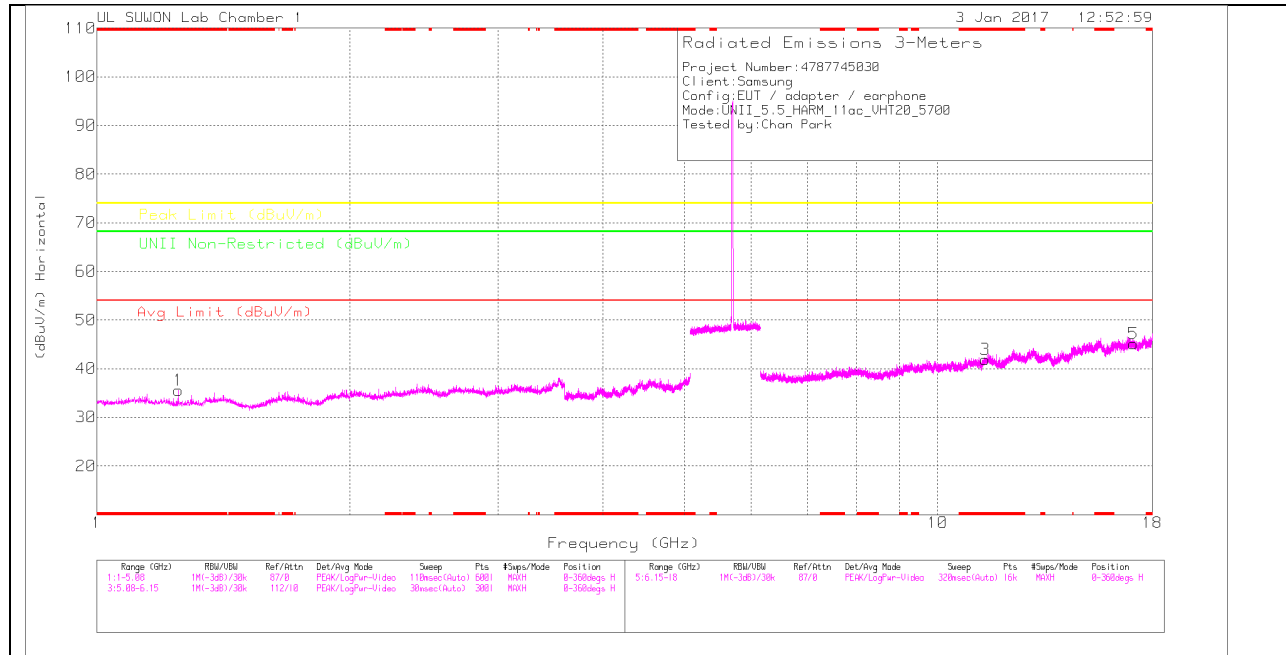
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.687	45.12	Pk	29.5	-38.7	0	35.92	-	-	74	-38.08	-	-	0-360	150	H
2	* 1.25	46.58	Pk	28.3	-39.2	0	35.68	-	-	74	-38.32	-	-	0-360	250	V
3	* 11.159	30.07	Pk	38.3	-27	0	41.37	-	-	74	-32.63	-	-	0-360	250	H
5	16.74	25.6	Pk	41.3	-21.9	0	45	-	-	-	-	68.2	-23.2	0-360	150	H
4	* 11.159	30.39	Pk	38.3	-27	0	41.69	-	-	74	-32.31	-	-	0-360	250	V
6	16.74	26.25	Pk	41.3	-21.9	0	45.65	-	-	-	-	68.2	-22.55	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

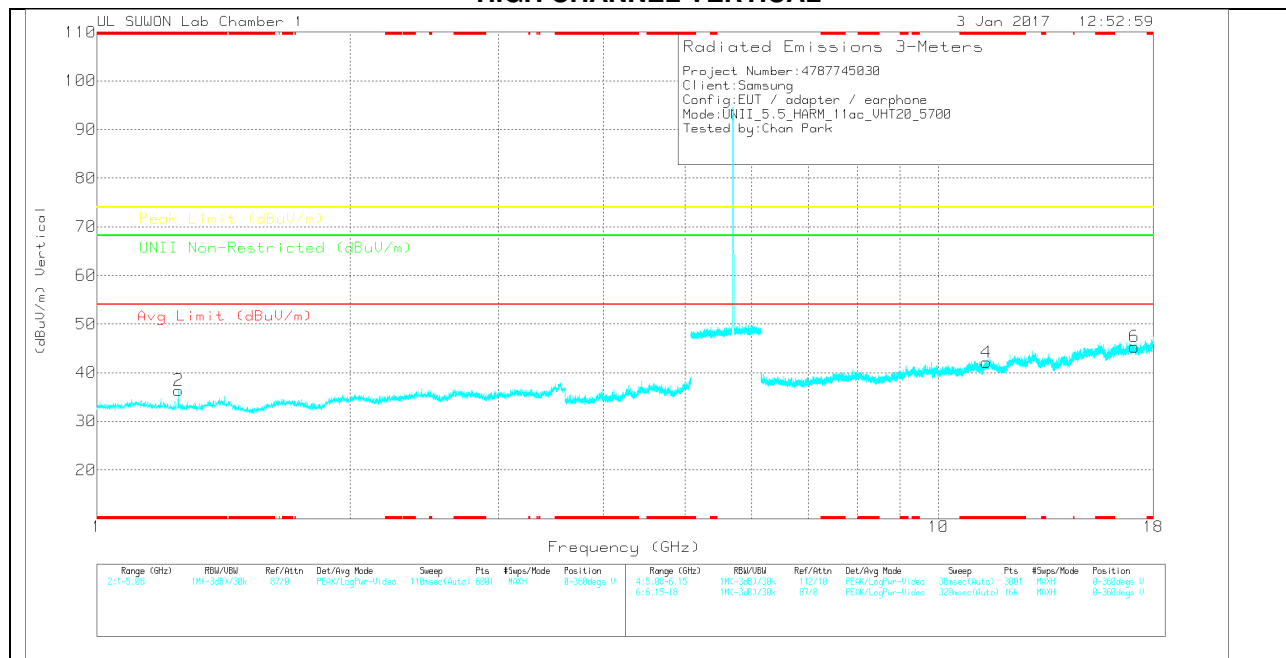
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.5	Pk	28.3	-39.2	0	35.6	-	-	74	-38.4	-	-	0-360	150	H
2	* 1.25	47.28	Pk	28.3	-39.2	0	36.38	-	-	74	-37.62	-	-	0-360	250	V
3	* 11.398	30.57	Pk	38.5	-27.2	0	41.87	-	-	74	-32.13	-	-	0-360	250	H
5	17.099	25.56	Pk	41.3	-21.7	0	45.16	-	-	-	-	68.2	-23.04	0-360	250	H
4	* 11.4	30.87	Pk	38.5	-27.2	0	42.17	-	-	74	-31.83	-	-	0-360	250	V
6	17.096	25.61	Pk	41.3	-21.6	0	45.31	-	-	-	-	68.2	-22.89	0-360	150	V

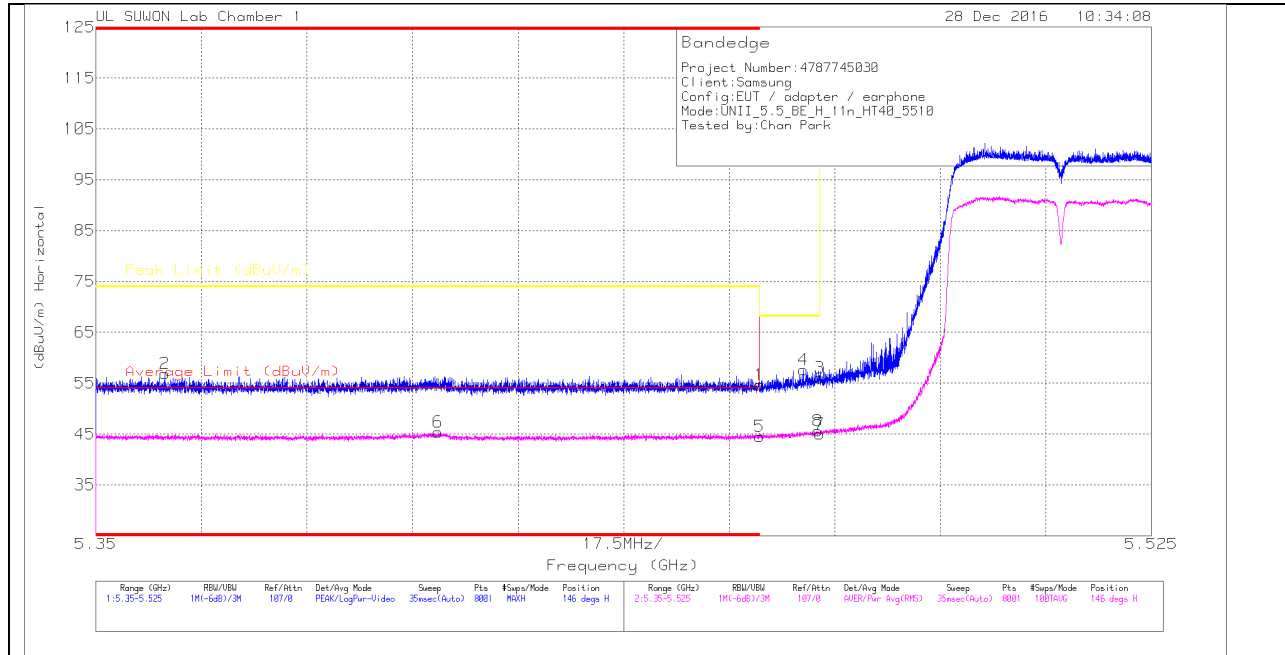
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 802.11n HT40 MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

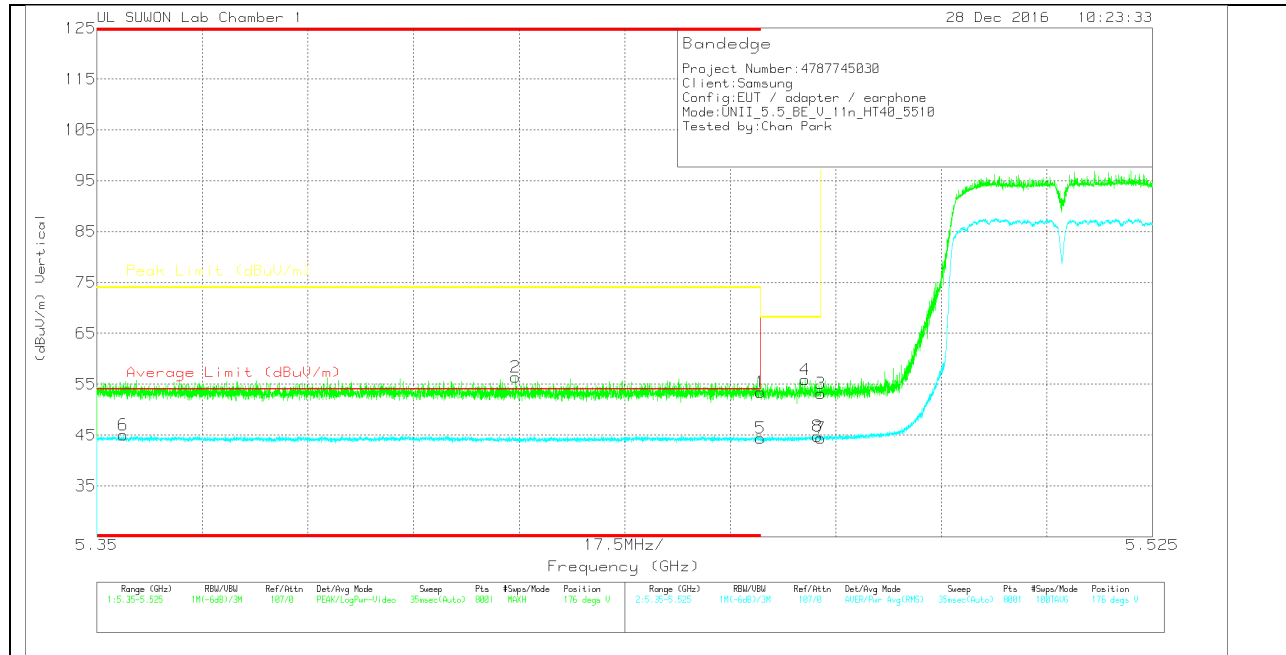
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	42.94	Pk		-22.9	0	54.64	-	-	74	-19.36	146	113	H
2	* 5.361	45.45	Pk		-23.1	0	56.85	-	-	74	-17.15	146	113	H
3	5.47	44.28	Pk		-22.9	0	55.98	-	-	68.2	-12.22	146	113	H
4	5.467	45.91	Pk		-22.9	0	57.61	-	-	68.2	-10.59	146	113	H
5	* 5.46	32.23	RMS		-22.9	.63	44.56	54	-9.44	-	-	146	113	H
6	* 5.407	33.22	RMS		-23.1	.63	45.35	54	-8.65	-	-	146	113	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 171_150619	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	41.7	Pk	34.6	-22.9	0	53.4	-	-	74	-20.6	176	358	V
2	* 5.419	44.84	Pk	34.6	-23.1	0	56.34	-	-	74	-17.66	176	358	V
3	5.47	41.43	Pk	34.6	-22.9	0	53.13	-	-	68.2	-15.07	176	358	V
4	5.467	44.15	Pk	34.6	-22.9	0	55.85	-	-	68.2	-12.35	176	358	V
5	* 5.46	32.06	RMS	34.6	-22.9	.63	44.39	54	-9.61	-	-	176	358	V
6	* 5.354	32.94	RMS	34.5	-23.1	.63	44.97	54	-9.03	-	-	176	358	V

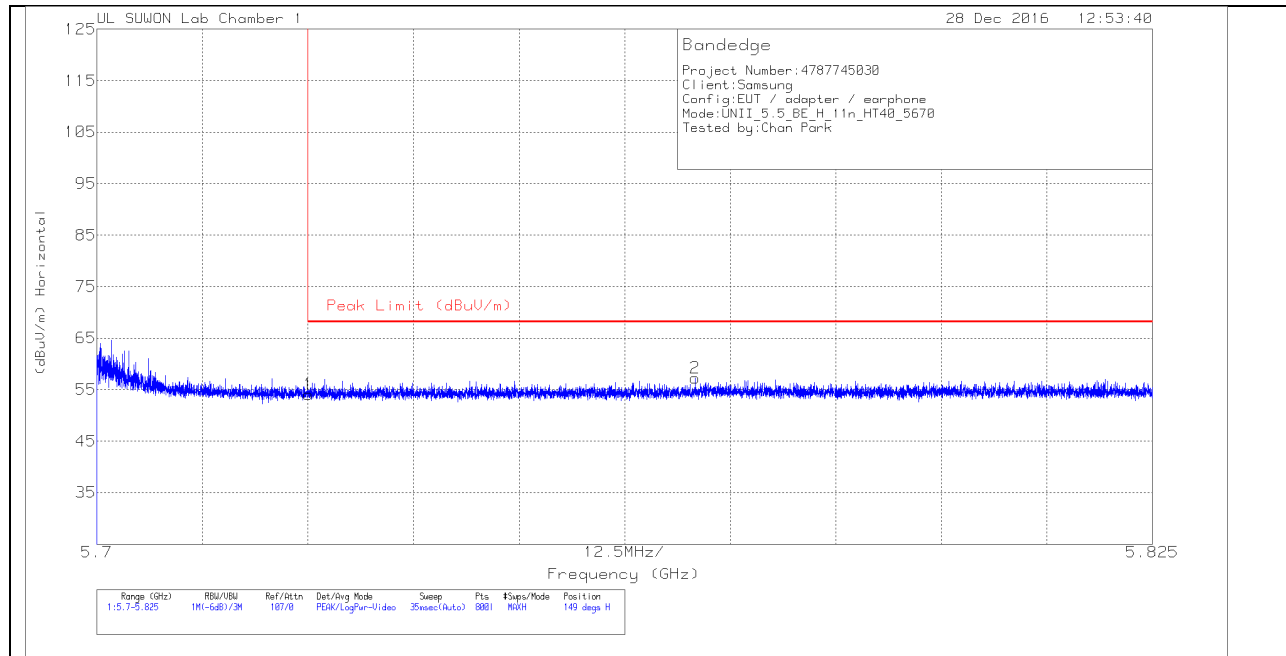
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



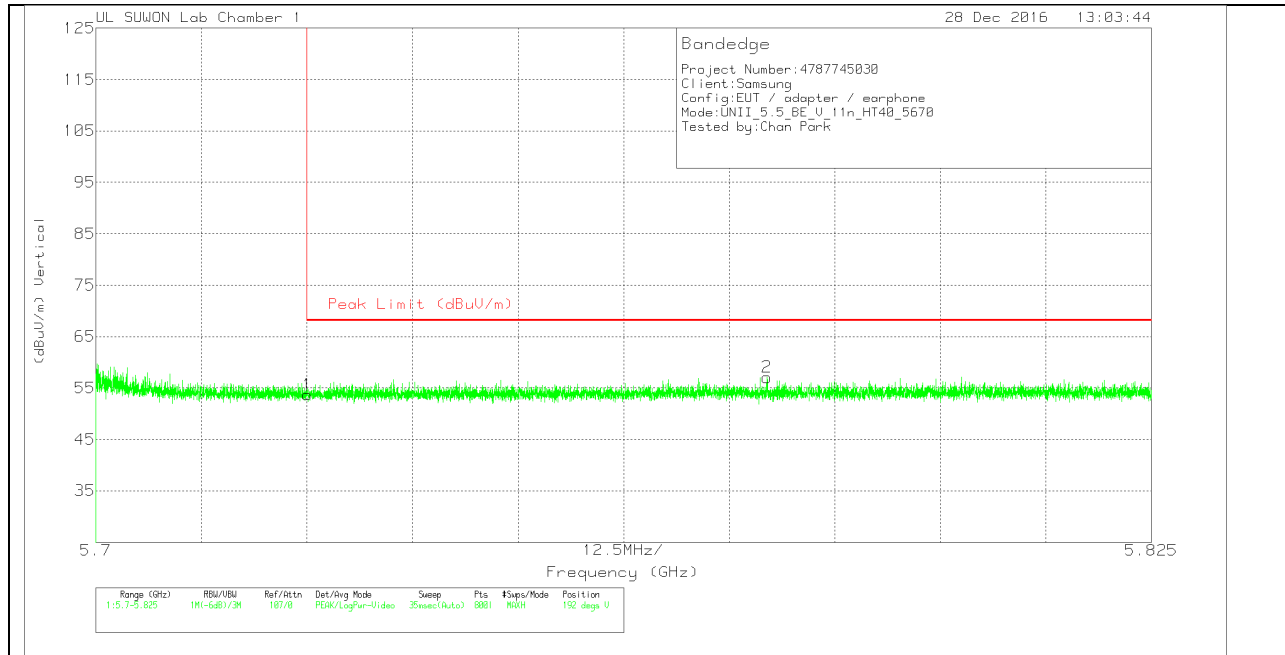
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.91	Pk	34.8	-22.6	0	54.11	68.2	-14.09	149	102	H
2	5.771	44.99	Pk	34.8	-22.5	0	57.29	68.2	-10.91	149	102	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

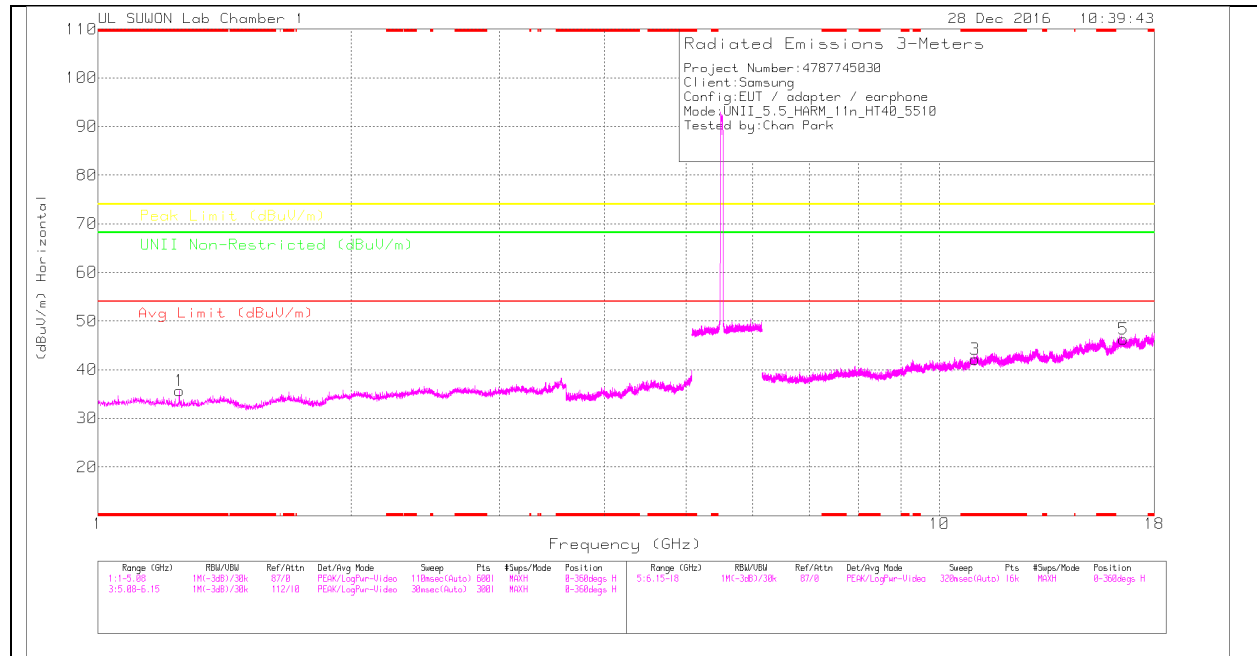
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.53	Pk	34.8	-22.6	0	53.73	68.2	-14.47	192	238	V
2	5.78	44.67	Pk	34.8	-22.4	0	57.07	68.2	-11.13	192	238	V

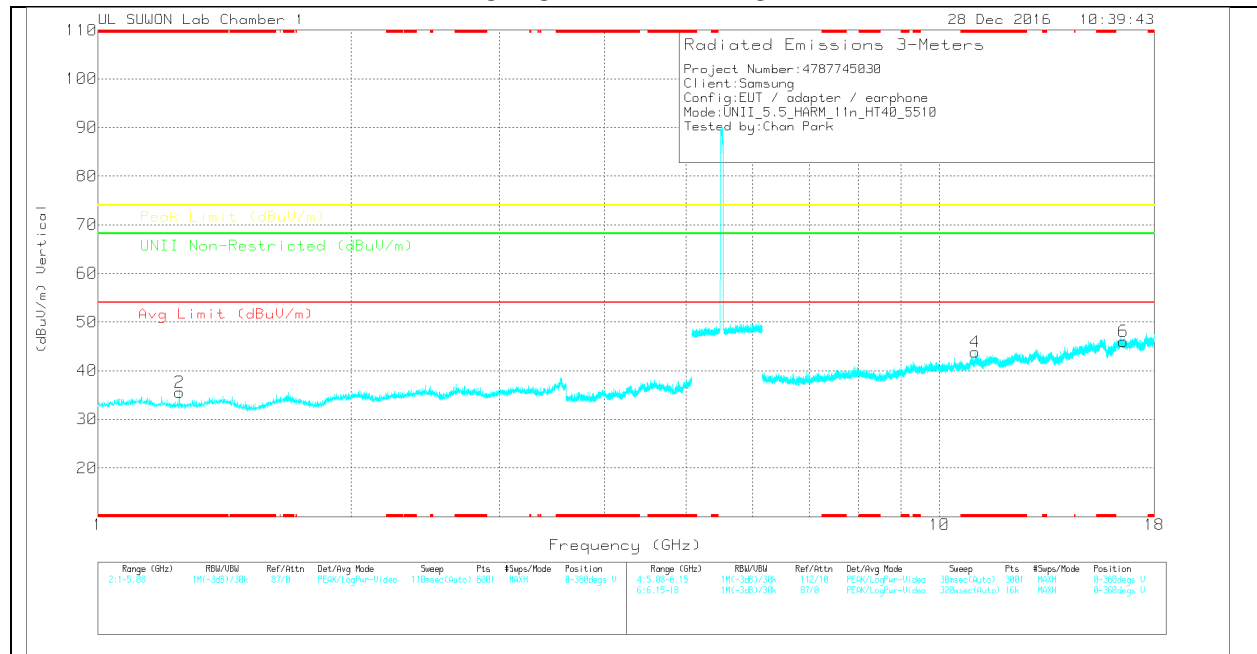
Pk - Peak detector

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

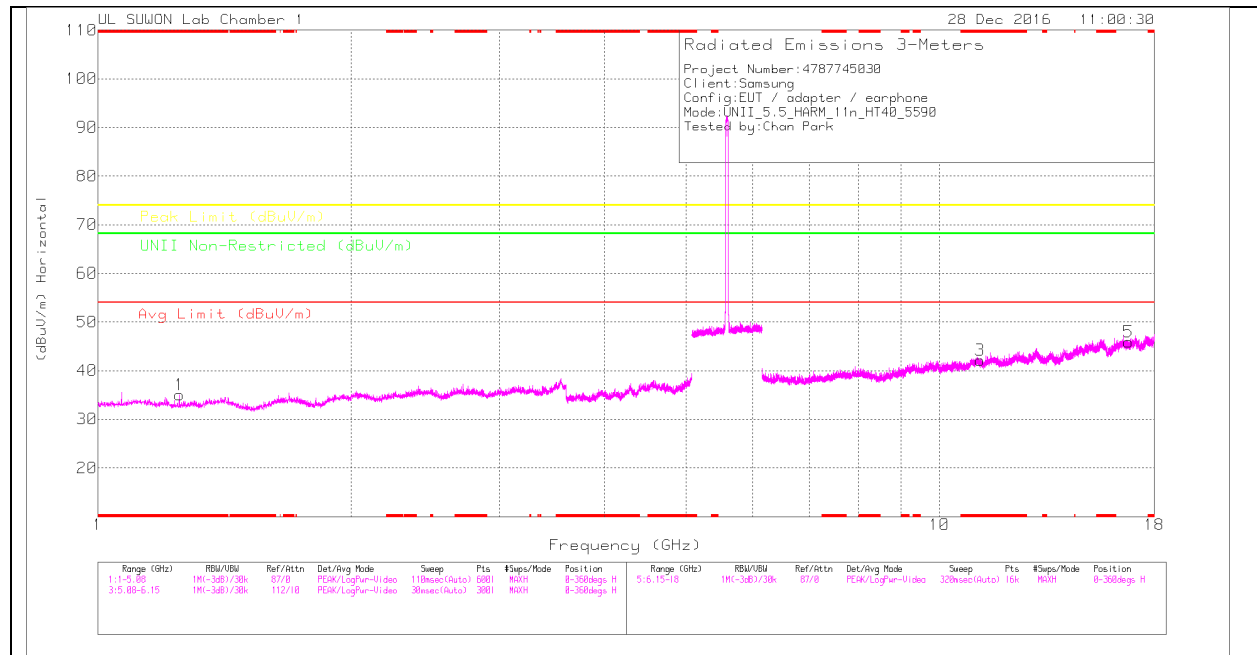
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.55	Pk	28.3	-39.2	0	35.65	-	-	74	-38.35	-	-	0-360	150	H
2	* 1.25	46.5	Pk	28.3	-39.2	0	35.6	-	-	74	-38.4	-	-	0-360	250	V
3	* 11.019	31.16	Pk	38.2	-27.2	0	42.16	-	-	74	-31.84	-	-	0-360	250	H
5	16.531	27.19	Pk	41.2	-22.1	0	46.29	-	-	-	-	68.2	-21.91	0-360	250	H
4	* 11.02	32.79	Pk	38.2	-27.2	0	43.79	-	-	74	-30.21	-	-	0-360	150	V
6	16.529	26.87	Pk	41.2	-22.1	0	45.97	-	-	-	-	68.2	-22.23	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

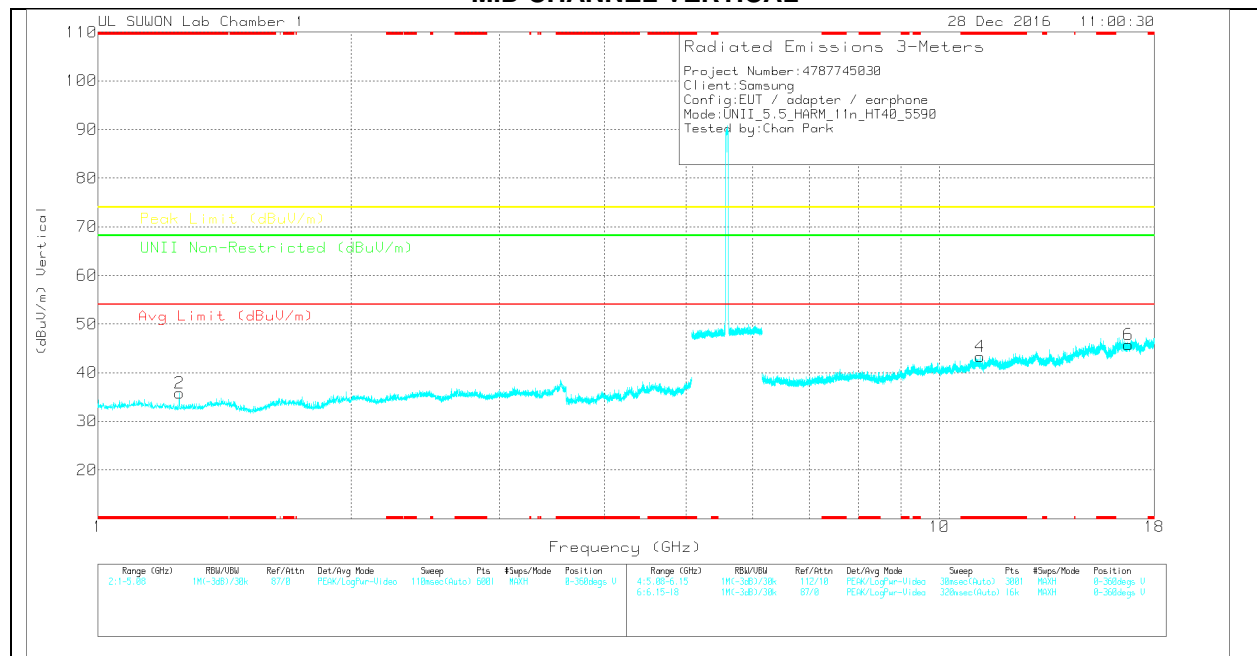
Pk – Peak detector

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

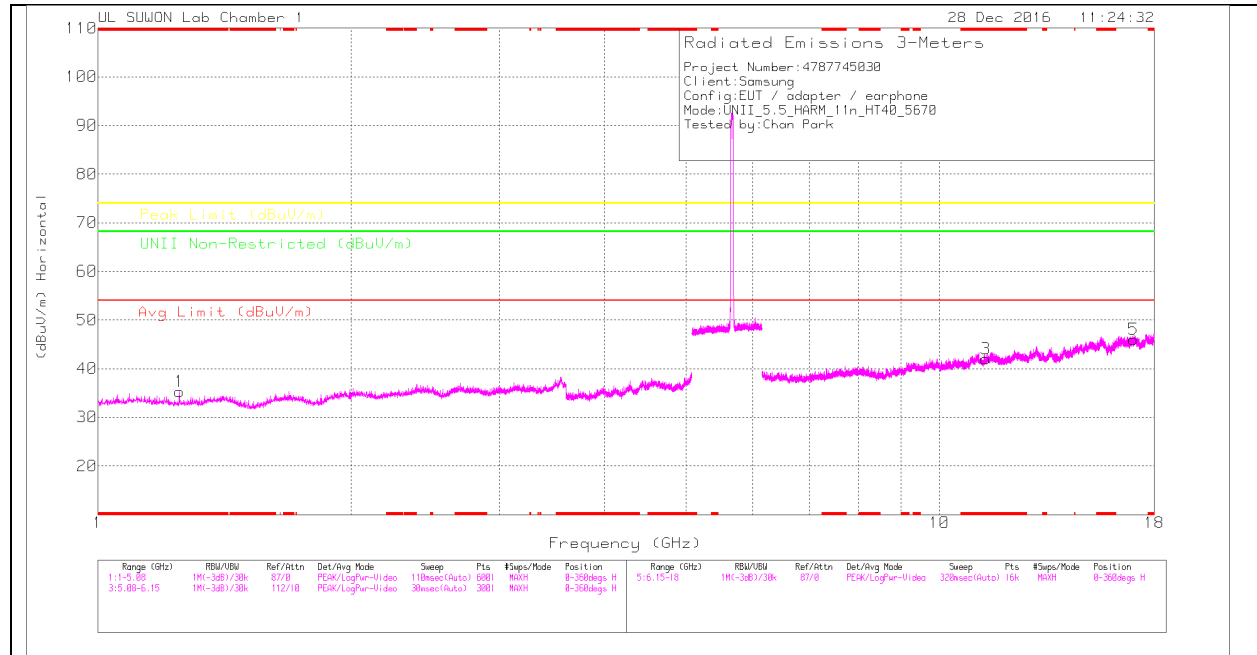
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.93	Pk	28.3	-39.2	0	35.03	-	-	74	-38.97	-	-	0-360	150	H
2	* 1.25	46.7	Pk	28.3	-39.2	0	35.8	-	-	74	-38.2	-	-	0-360	250	V
3	* 11.18	30.65	Pk	38.3	-26.8	0	42.15	-	-	74	-31.85	-	-	0-360	250	H
5	16.774	26.34	Pk	41.3	-21.8	0	45.84	-	-	-	-	68.2	-22.36	0-360	250	H
4	* 11.18	31.76	Pk	38.3	-26.8	0	43.26	-	-	74	-30.74	-	-	0-360	250	V
6	16.778	26.33	Pk	41.3	-21.9	0	45.73	-	-	-	-	68.2	-22.47	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

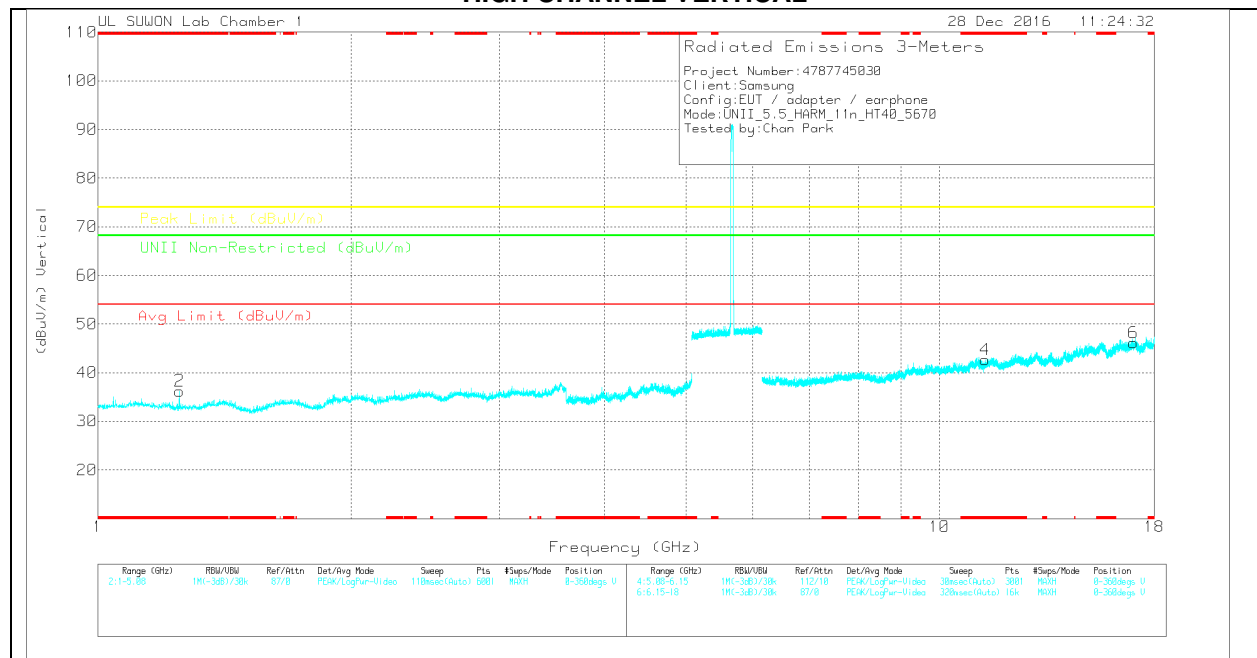
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.21	Pk	28.3	-39.2	0	35.31	-	-	74	-38.69	-	-	0-360	150	H
2	* 1.25	47.15	Pk	28.3	-39.2	0	36.25	-	-	74	-37.75	-	-	0-360	250	V
3	* 11.344	30.22	Pk	38.5	-26.7	0	42.02	-	-	74	-31.98	-	-	0-360	150	H
5	17.014	26.47	Pk	41.4	-21.9	0	45.97	-	-	-	-	68.2	-22.23	0-360	250	H
4	* 11.34	30.8	Pk	38.5	-26.6	0	42.7	-	-	74	-31.3	-	-	0-360	150	V
6	17.01	26.83	Pk	41.4	-22.1	0	46.13	-	-	-	-	68.2	-22.07	0-360	250	V

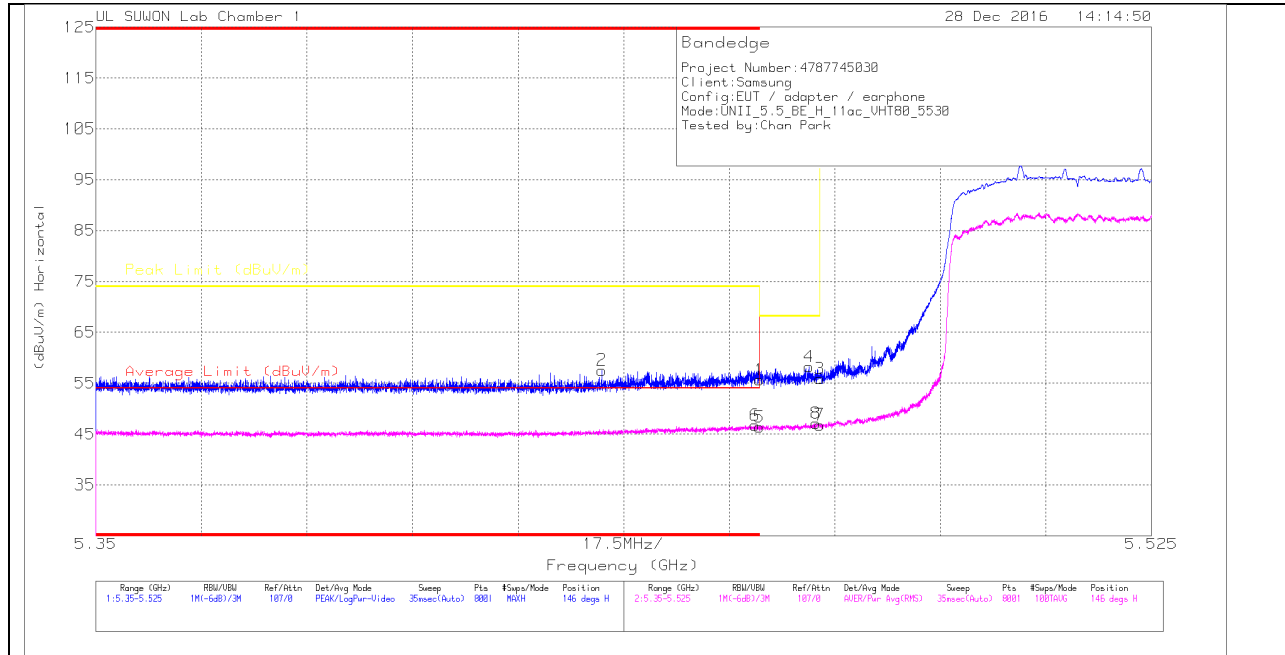
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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. TX ABOVE 1GHz 802.11ac VHT80 MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

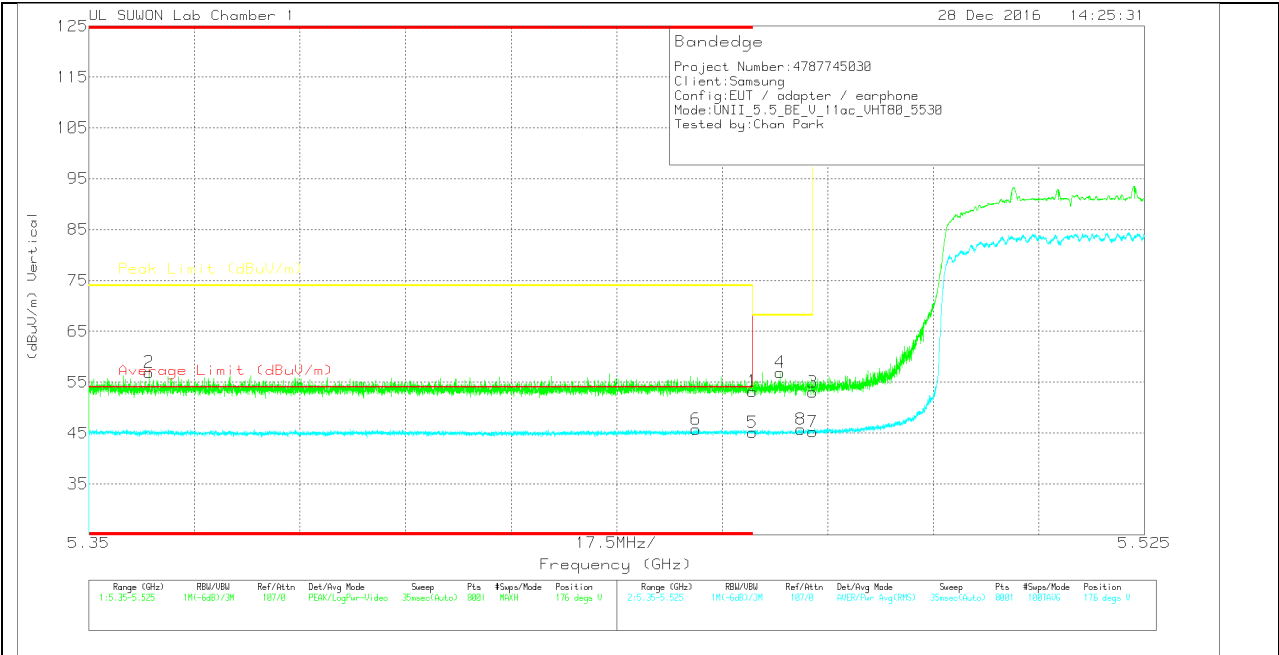
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	43.95	Pk		-22.9	0	55.65	-	-	74	-18.35	146	111	H
2	* 5.434	45.96	Pk		-23	0	57.56	-	-	74	-16.44	146	111	H
3	5.47	44.2	Pk		-22.9	0	55.9	-	-	68.2	-12.3	146	111	H
4	5.468	46.51	Pk		-22.9	0	58.21	-	-	68.2	-9.99	146	111	H
5	* 5.46	33.21	RMS		-22.9	1.48	46.39	54	-7.61	-	-	146	111	H
6	* 5.459	33.51	RMS		-22.9	1.48	46.69	54	-7.31	-	-	146	111	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 171_150619	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	41.53	Pk	34.6	-22.9	0	53.23	-	-	74	-20.77	176	357	V
2	* 5.36	45.54	Pk	34.5	-23.1	0	56.94	-	-	74	-17.06	176	357	V
3	5.47	41.3	Pk	34.6	-22.9	0	53	-	-	68.2	-15.2	176	357	V
4	5.465	45.24	Pk	34.6	-22.9	0	56.94	-	-	68.2	-11.26	176	357	V
5	* 5.46	31.97	RMS	34.6	-22.9	1.48	45.15	54	-8.85	-	-	176	357	V
6	* 5.451	32.56	RMS	34.6	-22.9	1.48	45.74	54	-8.26	-	-	176	357	V

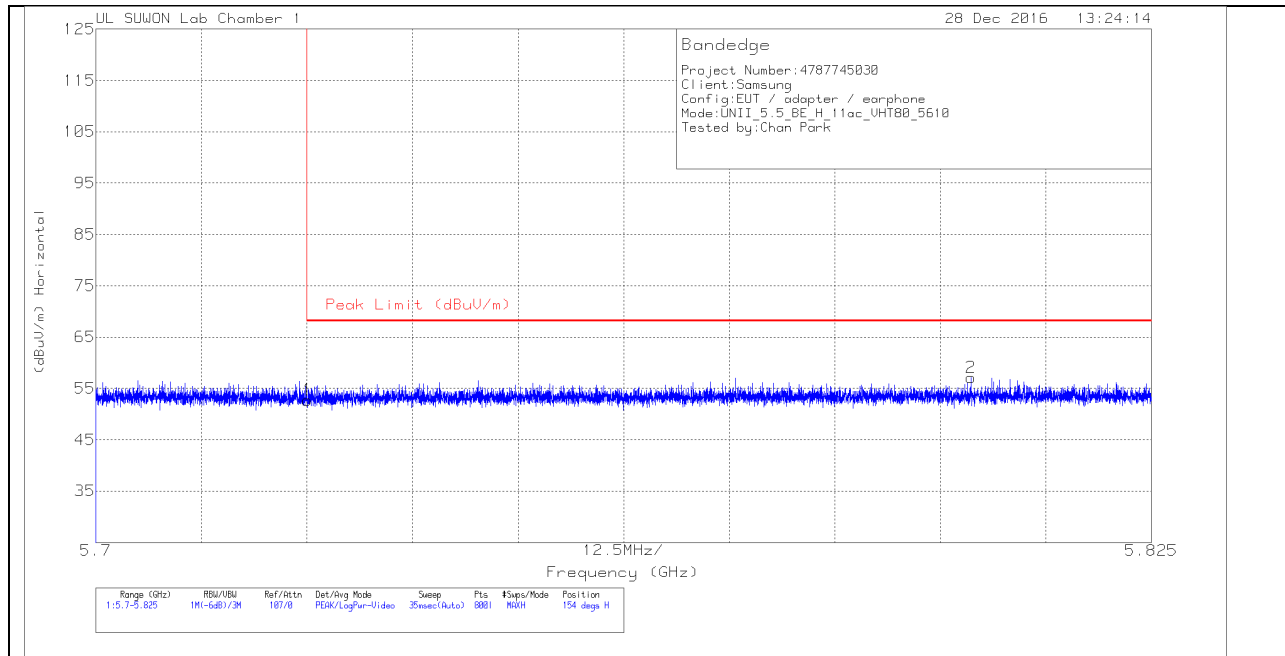
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

RESTRICTED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



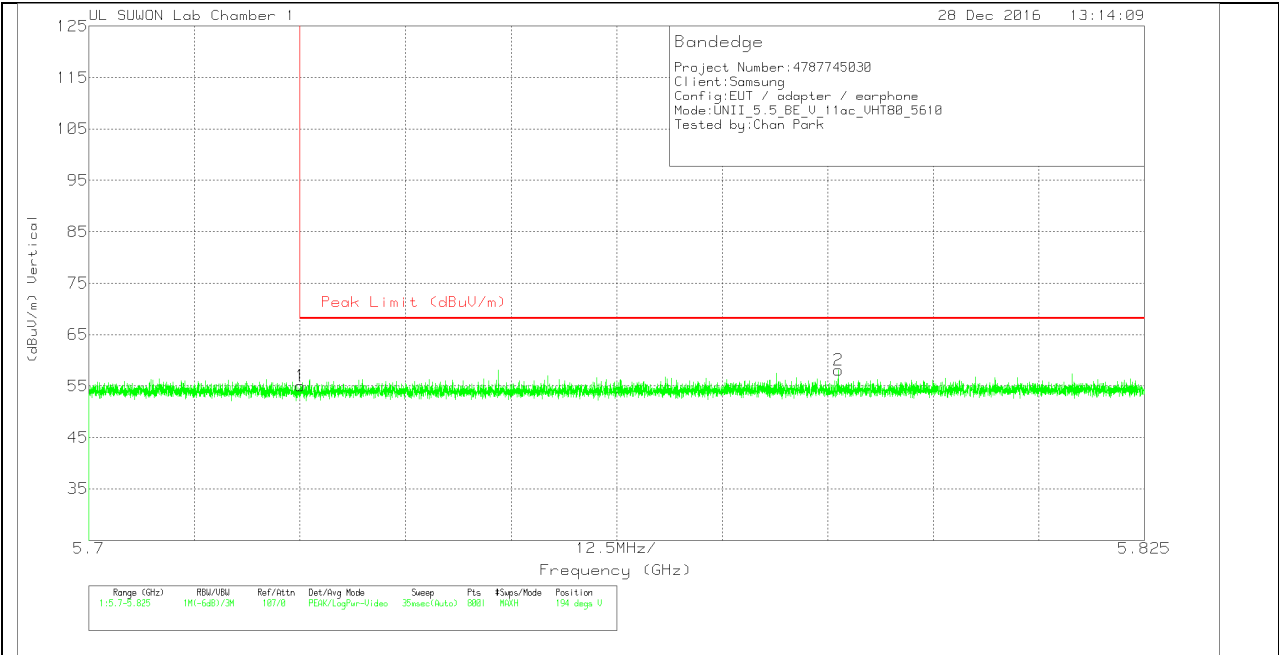
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.58	Pk	34.8	-22.6	0	52.78	68.2	-15.42	154	121	H
2	5.804	44.59	Pk	34.8	-22.3	0	57.09	68.2	-11.11	154	121	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

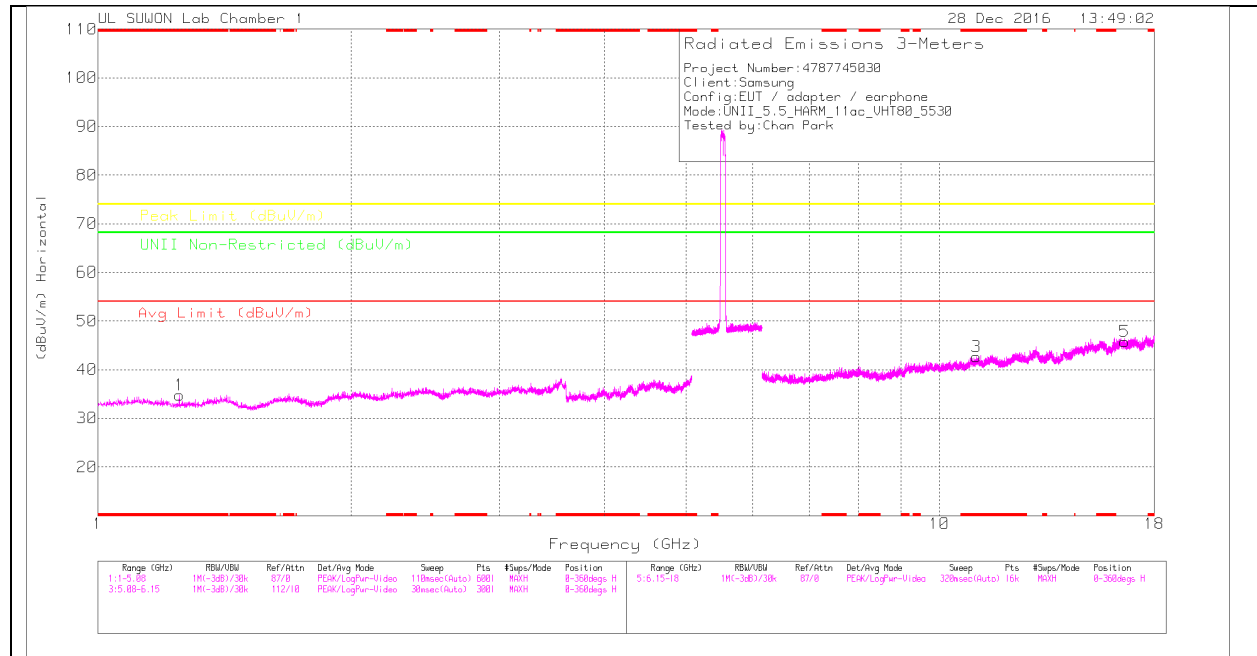
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.9	Pk	34.8	-22.6	0	55.1	68.2	-13.1	194	167	V
2	5.789	45.76	Pk	34.8	-22.4	0	58.16	68.2	-10.04	194	167	V

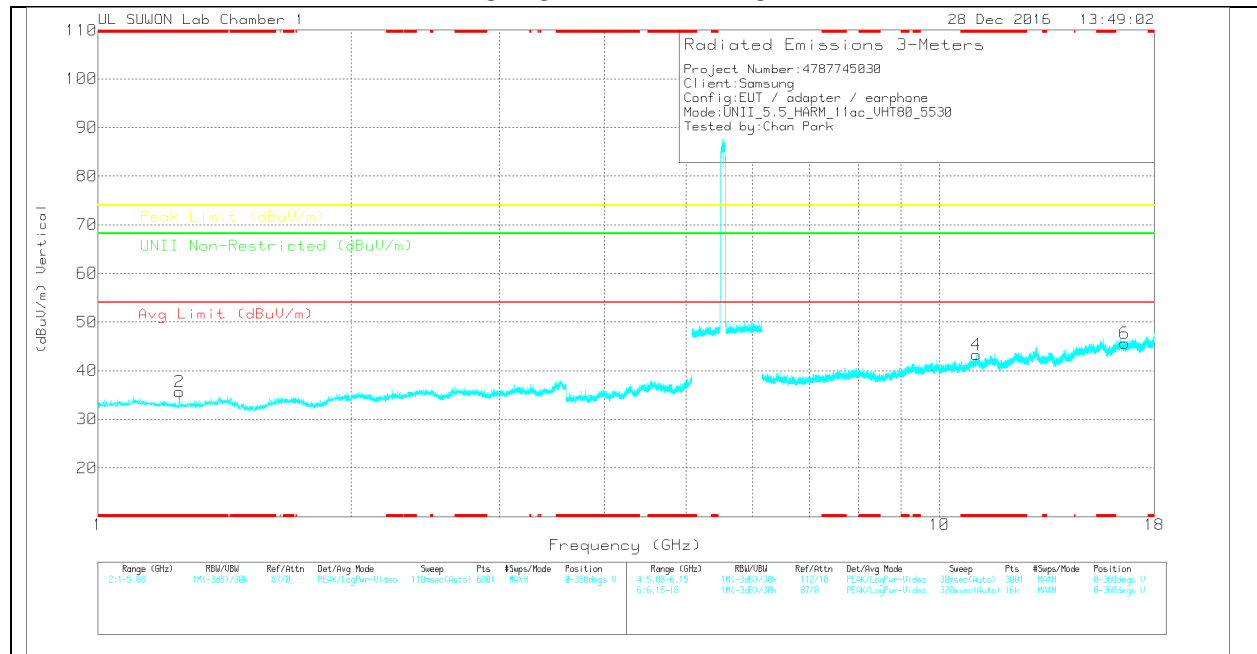
Pk - Peak detector

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

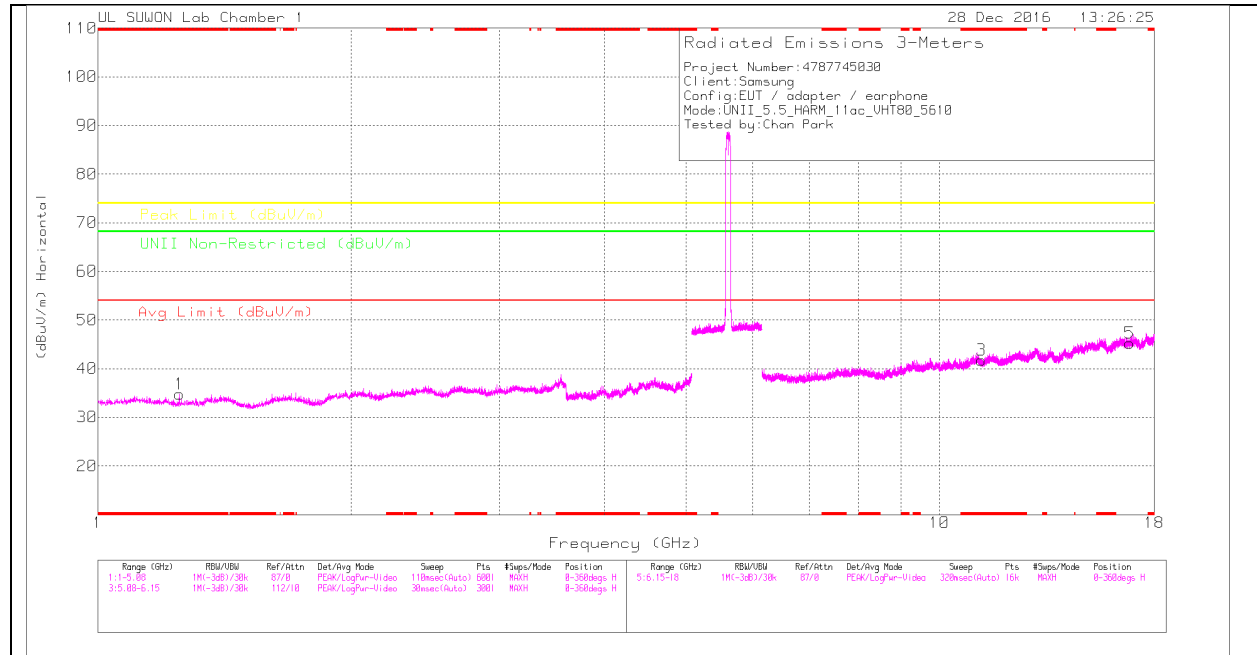
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.67	Pk	28.3	-39.2	0	34.77	-	-	74	-39.23	-	-	0-360	150	H
2	* 1.25	46.6	Pk	28.3	-39.2	0	35.7	-	-	74	-38.3	-	-	0-360	250	V
3	* 11.062	31.84	Pk	38.2	-27.4	0	42.64	-	-	74	-31.36	-	-	0-360	150	H
5	16.586	25.94	Pk	41.2	-21.4	0	45.74	-	-	-	-	68.2	-22.46	0-360	150	H
4	* 11.06	32.51	Pk	38.2	-27.4	0	43.31	-	-	74	-30.69	-	-	0-360	250	V
6	16.591	25.85	Pk	41.2	-21.4	0	45.65	-	-	-	-	68.2	-22.55	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

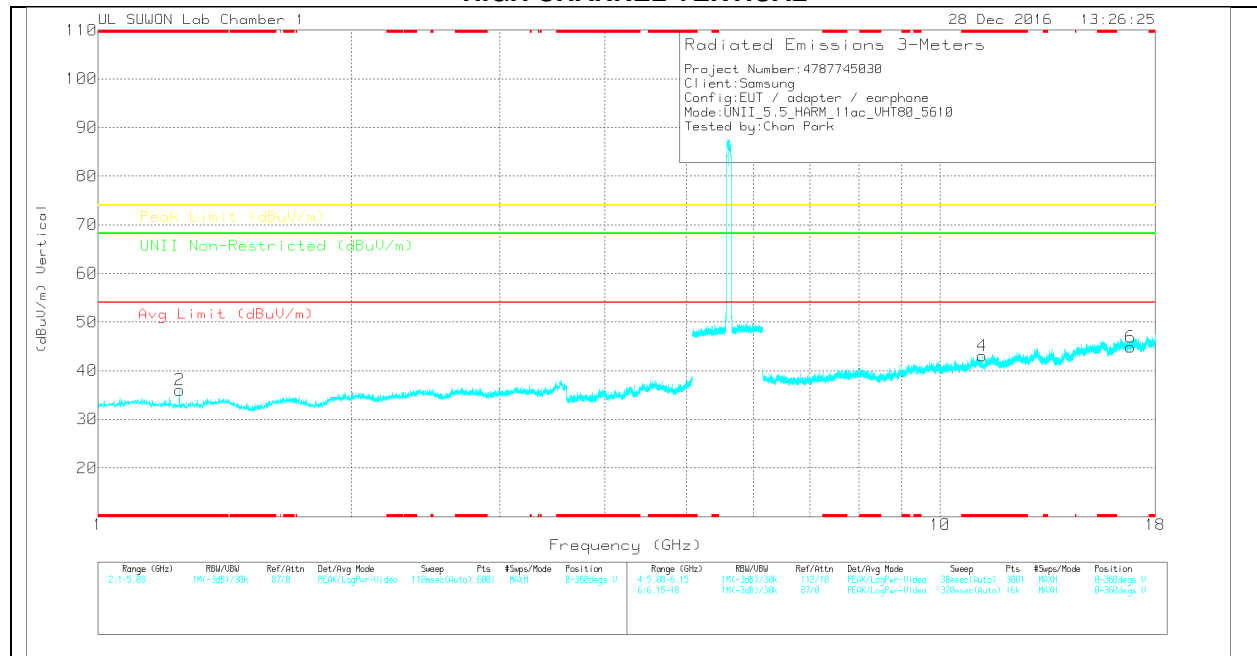
Pk – Peak detector

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(001 68717)_1 50619	5GHz_LP [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	* 1.25	45.72	Pk	28.3	-39.2	0	34.82	-	-	74	-39.18	-	-	0-360	150	H
2	* 1.25	46.9	Pk	28.3	-39.2	0	36	-	-	74	-38	-	-	0-360	250	V
3	* 11.22	30.89	Pk	38.4	-27.5	0	41.79	-	-	74	-32.21	-	-	0-360	250	H
5	16.828	25.63	Pk	41.3	-21.7	0	45.23	-	-	-	-	68.2	-22.97	0-360	150	H
4	* 11.22	32.09	Pk	38.4	-27.5	0	42.99	-	-	74	-31.01	-	-	0-360	250	V
6	16.828	25.24	Pk	41.3	-21.7	0	44.84	-	-	-	-	68.2	-23.36	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

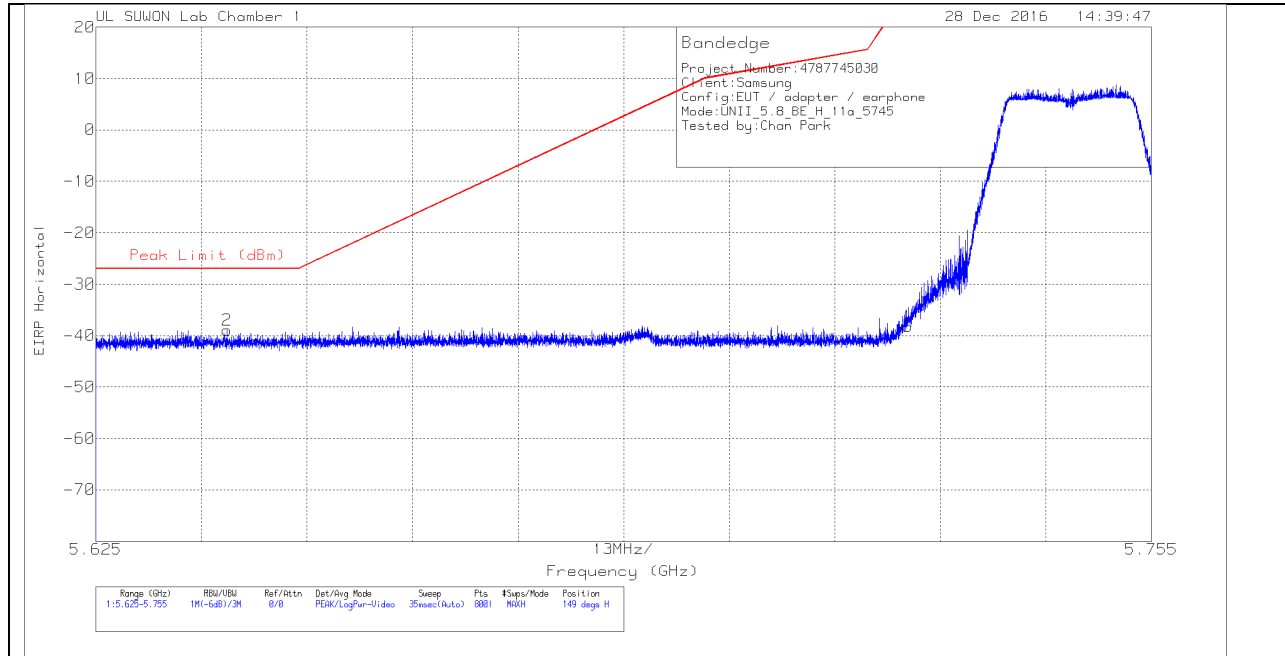
PK – Peak Detector

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 MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT



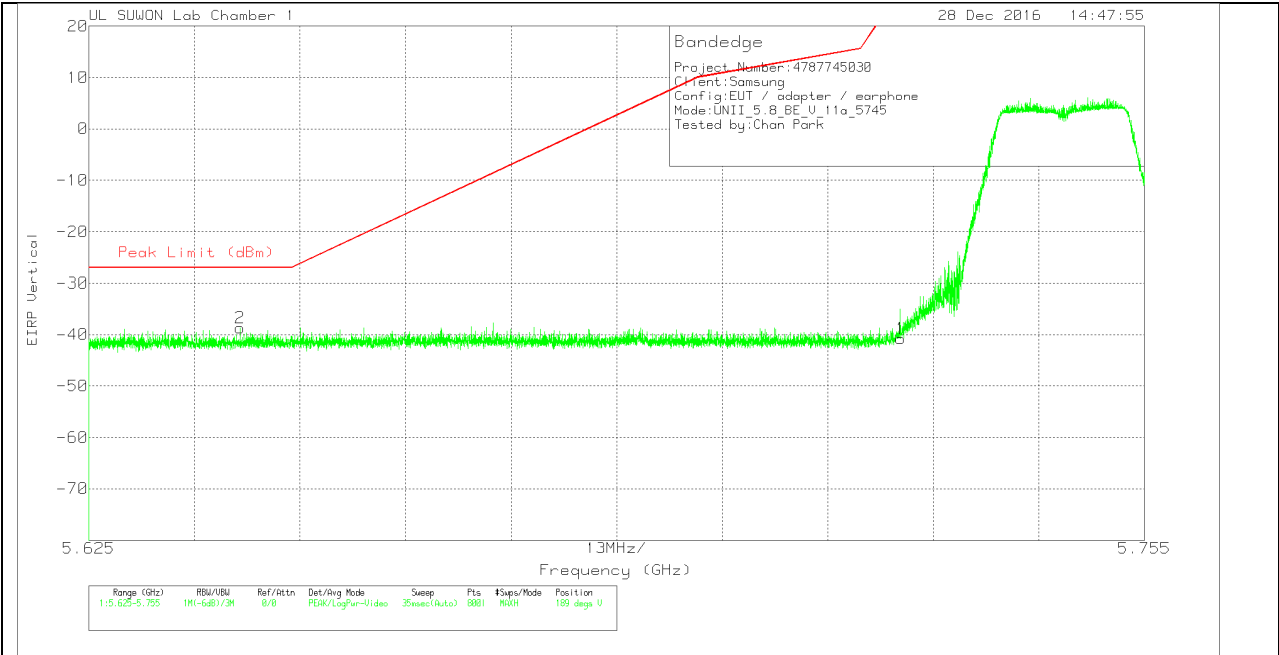
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-61.98	Pk	34.8	-22.8	11.8	0	-38.18	26.97	-65.15	149	109	H
2	5.641	-62.53	Pk	34.8	-23	11.8	0	-38.93	-27	-11.93	149	109	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

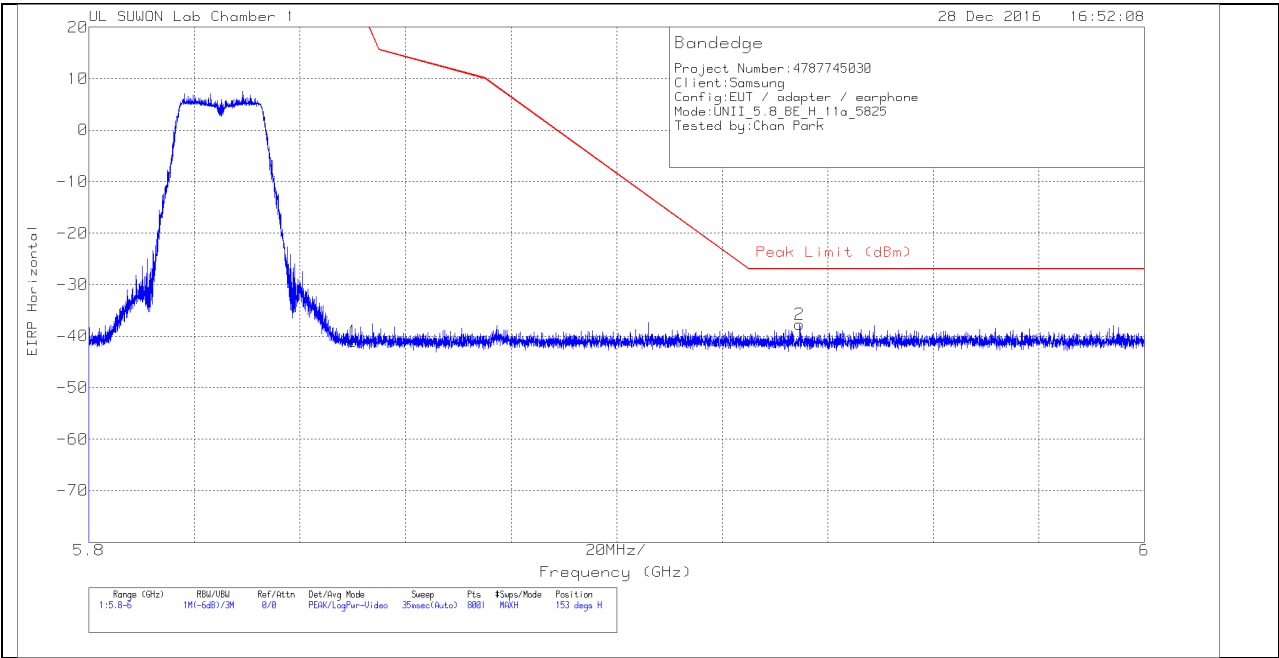
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.56	Pk	34.8	-22.8	11.8	0	-40.76	26.97	-67.73	189	298	V
2	5.644	-62.24	Pk	34.8	-23	11.8	0	-38.64	-27	-11.64	189	298	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



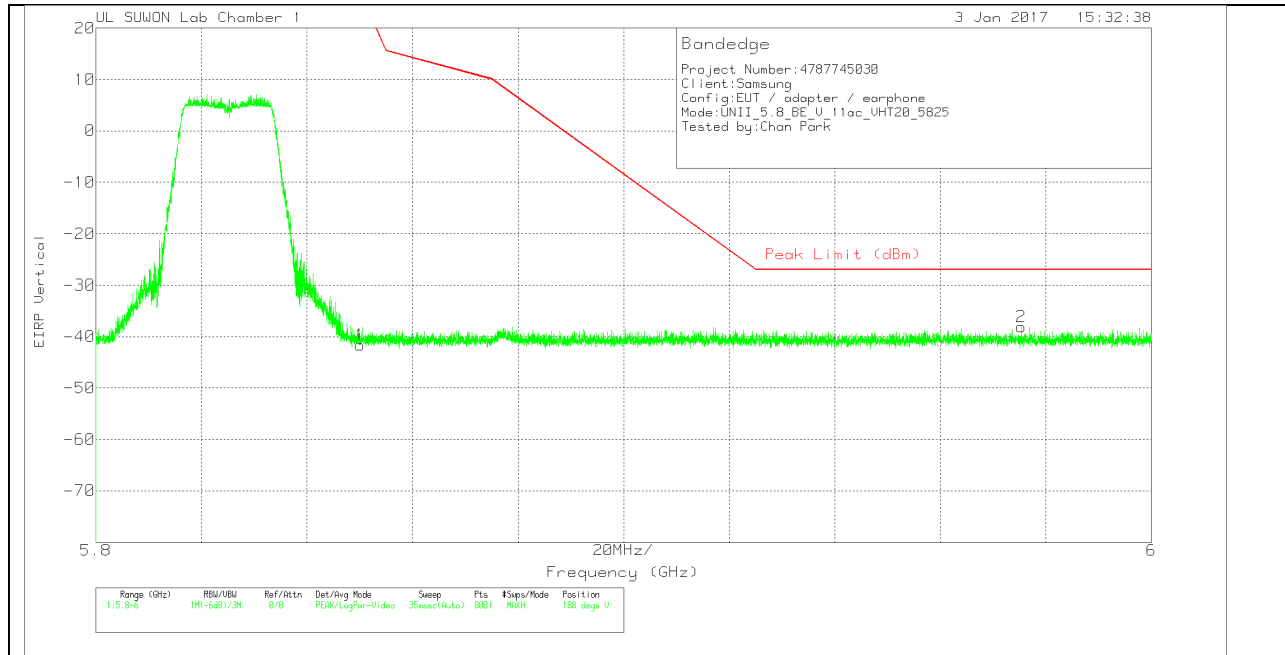
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.52	Pk	34.9	-22.2	11.8	0	-41.02	26.94	-67.96	153	105	H
2	5.935	-62.07	Pk	34.9	-22.4	11.8	0	-37.77	-27	-10.77	153	105	H

Pk - Peak detector

VERTICAL PEAK PLOT



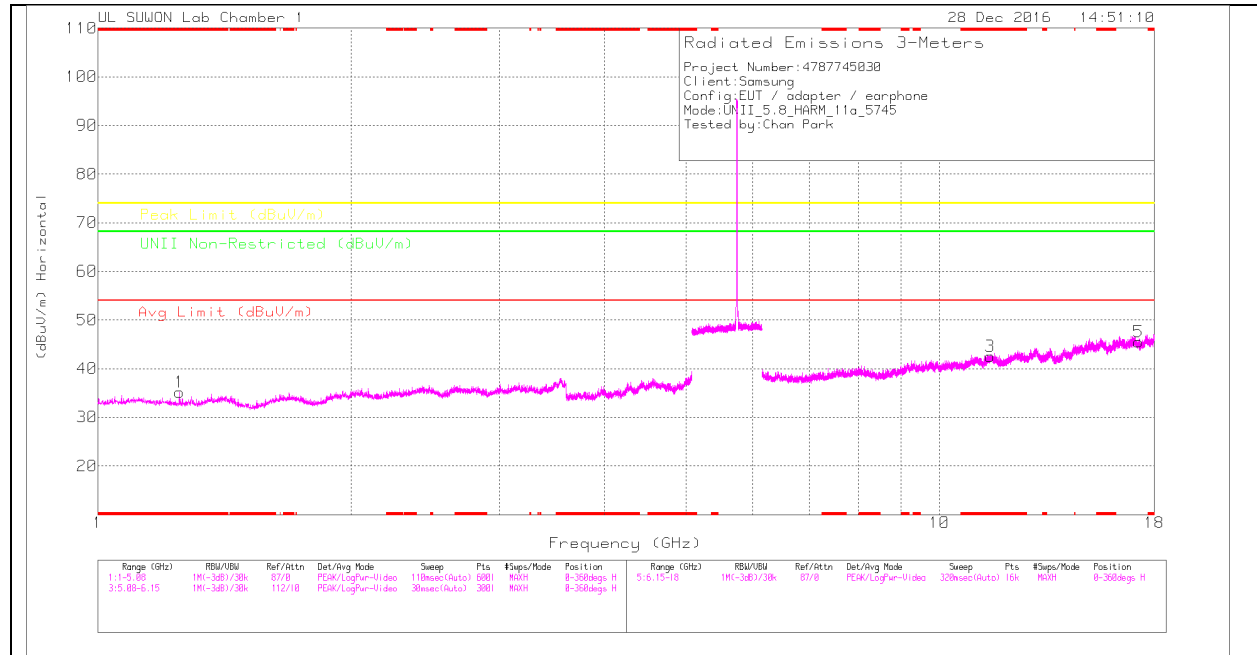
VERTICAL DATA

Trace Markers

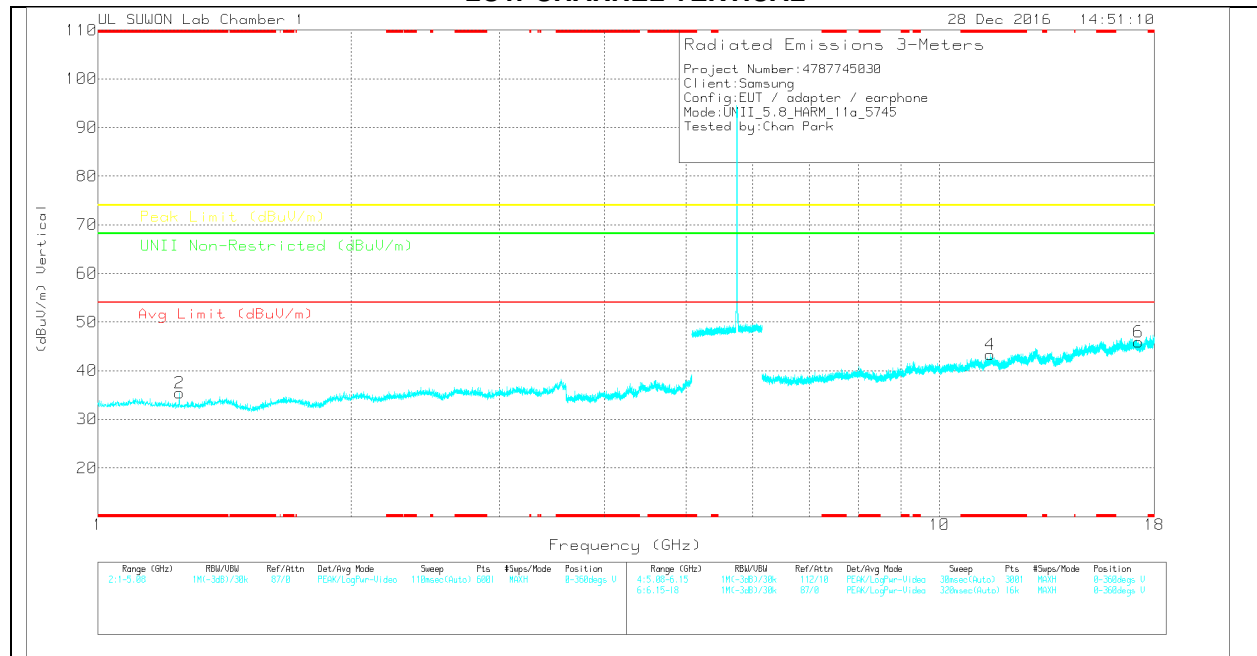
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.1	Pk	34.9	-22.2	11.8	0	-41.6	26.94	-68.54	188	248	V
2	5.975	-62.54	Pk	34.9	-22.3	11.8	0	-38.14	-27	-11.14	188	248	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

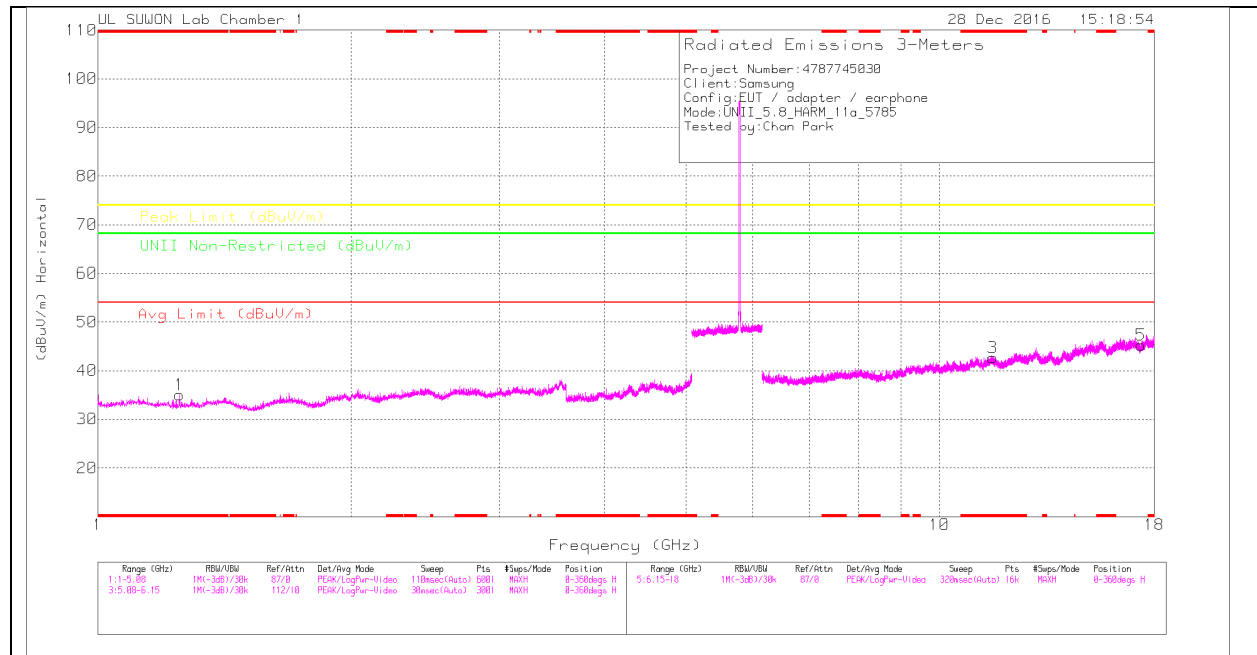
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.03	Pk	28.3	-39.2	0	35.13	-	-	74	-38.87	-	-	0-360	150	H
2	* 1.25	46.33	Pk	28.3	-39.2	0	35.43	-	-	74	-38.57	-	-	0-360	250	V
3	* 11.491	31.22	Pk	38.6	-27.3	0	42.52	-	-	74	-31.48	-	-	0-360	150	H
5	17.236	25.63	Pk	41.2	-21.3	0	45.53	-	-	-	-	68.2	-22.67	0-360	250	H
4	* 11.493	32.05	Pk	38.6	-27.3	0	43.35	-	-	74	-30.65	-	-	0-360	250	V
6	17.23	26	Pk	41.2	-21.3	0	45.9	-	-	-	-	68.2	-22.3	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

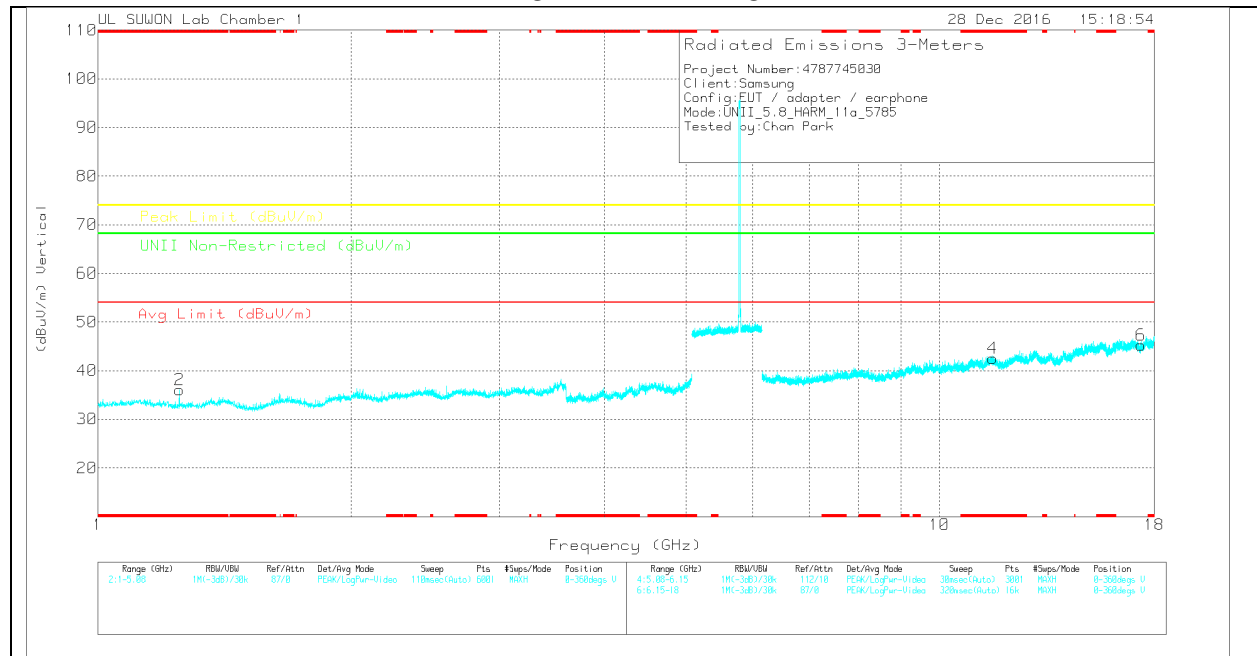
Pk – Peak detector

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

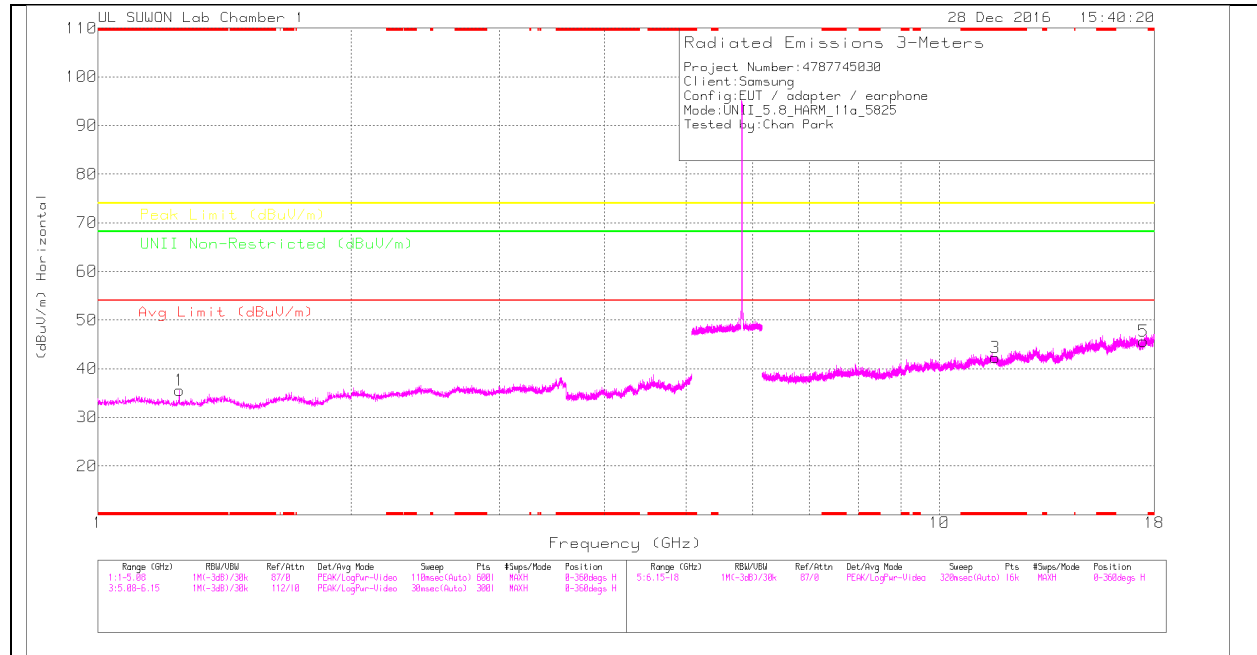
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.96	Pk	28.3	-39.2	0	35.06	-	-	74	-38.94	-	-	0-360	150	H
2	* 1.25	46.93	Pk	28.3	-39.2	0	36.03	-	-	74	-37.97	-	-	0-360	250	V
3	* 11.573	31.18	Pk	38.7	-27.2	0	42.68	-	-	74	-31.32	-	-	0-360	250	H
5	17.353	25.69	Pk	41.2	-21.7	0	45.19	-	-	-	-	68.2	-23.01	0-360	250	H
4	* 11.567	30.83	Pk	38.7	-27	0	42.53	-	-	74	-31.47	-	-	0-360	250	V
6	17.354	25.73	Pk	41.2	-21.7	0	45.23	-	-	-	-	68.2	-22.97	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

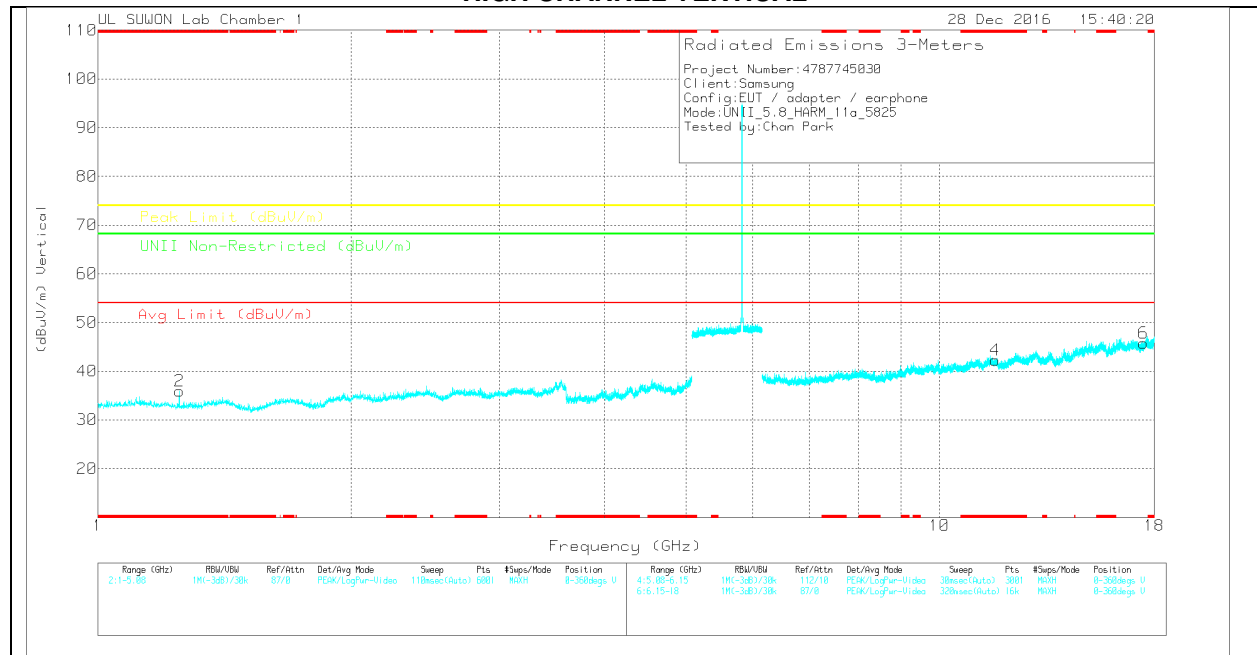
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.48	Pk	28.3	-39.2	0	35.58	-	-	74	-38.42	-	-	0-360	150	H
2	* 1.25	46.81	Pk	28.3	-39.2	0	35.91	-	-	74	-38.09	-	-	0-360	250	V
3	* 11.653	31.22	Pk	38.7	-27.6	0	42.32	-	-	74	-31.68	-	-	0-360	250	H
5	17.475	26.46	Pk	41.1	-21.9	0	45.66	-	-	-	-	68.2	-22.54	0-360	150	H
4	* 11.65	31.14	Pk	38.7	-27.6	0	42.24	-	-	74	-31.76	-	-	0-360	250	V
6	17.472	26.61	Pk	41.1	-22	0	45.71	-	-	-	-	68.2	-22.49	0-360	150	V

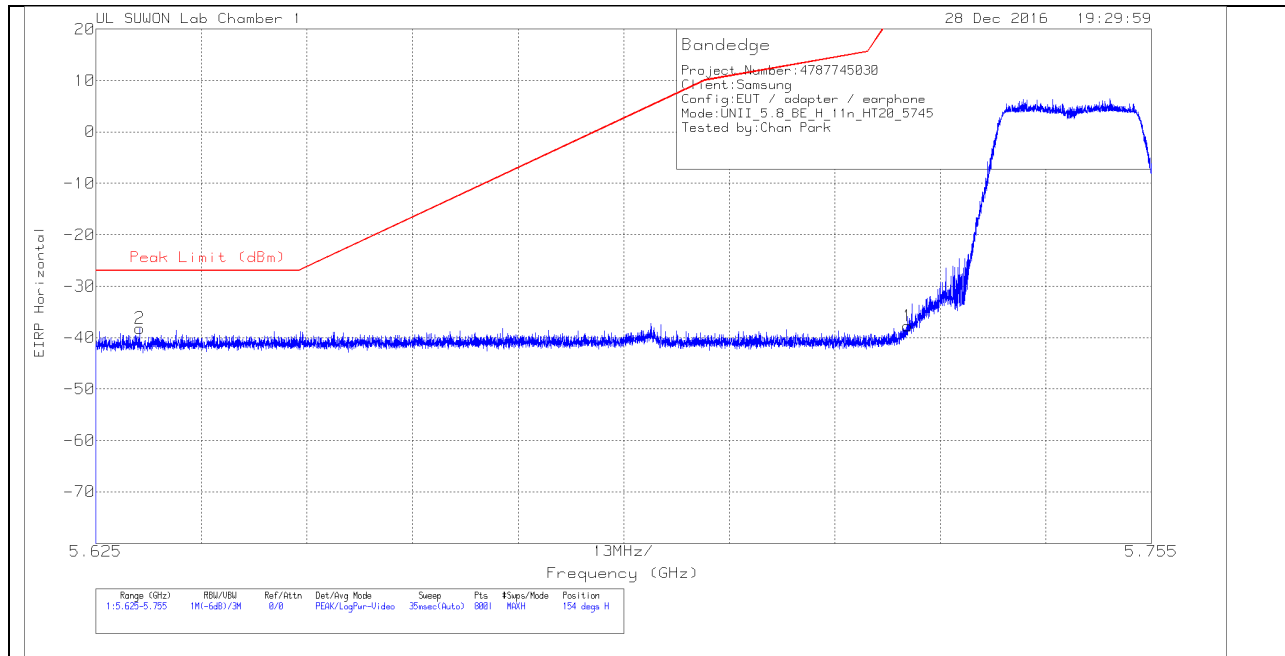
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT



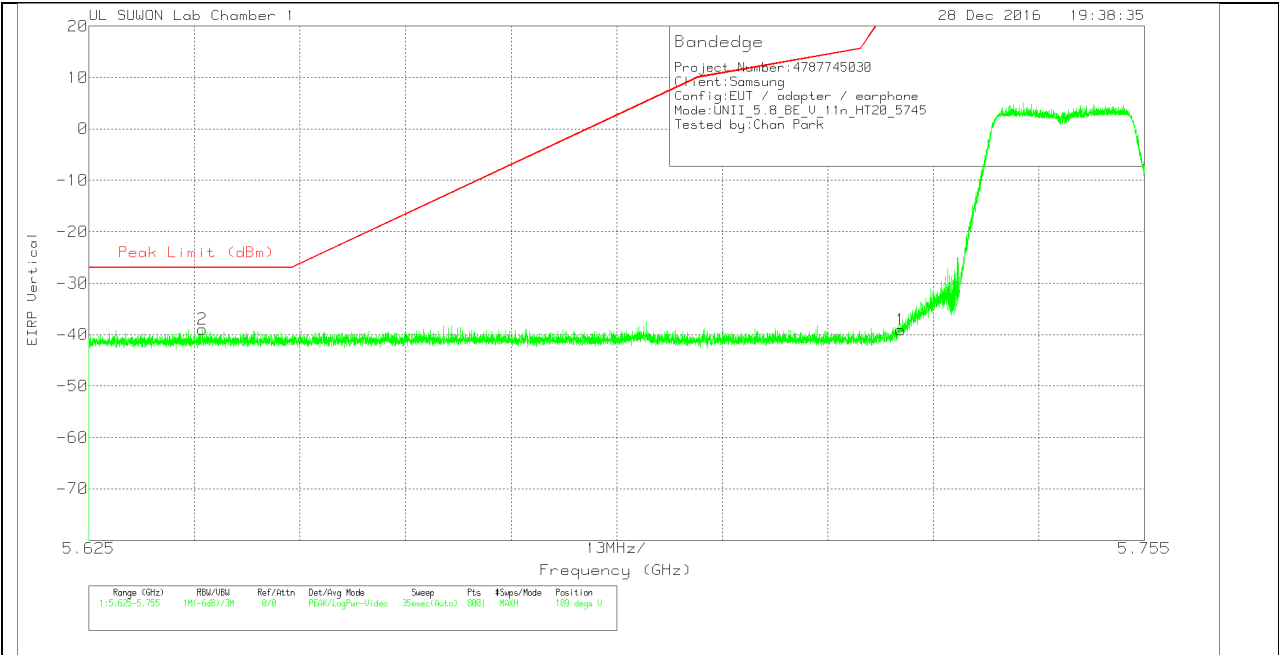
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-61.55	Pk	34.8	-22.8	11.8	0	-37.75	26.97	-64.72	154	100	H
2	5.63	-61.55	Pk	34.7	-23.1	11.8	0	-38.15	-27	-11.15	154	100	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

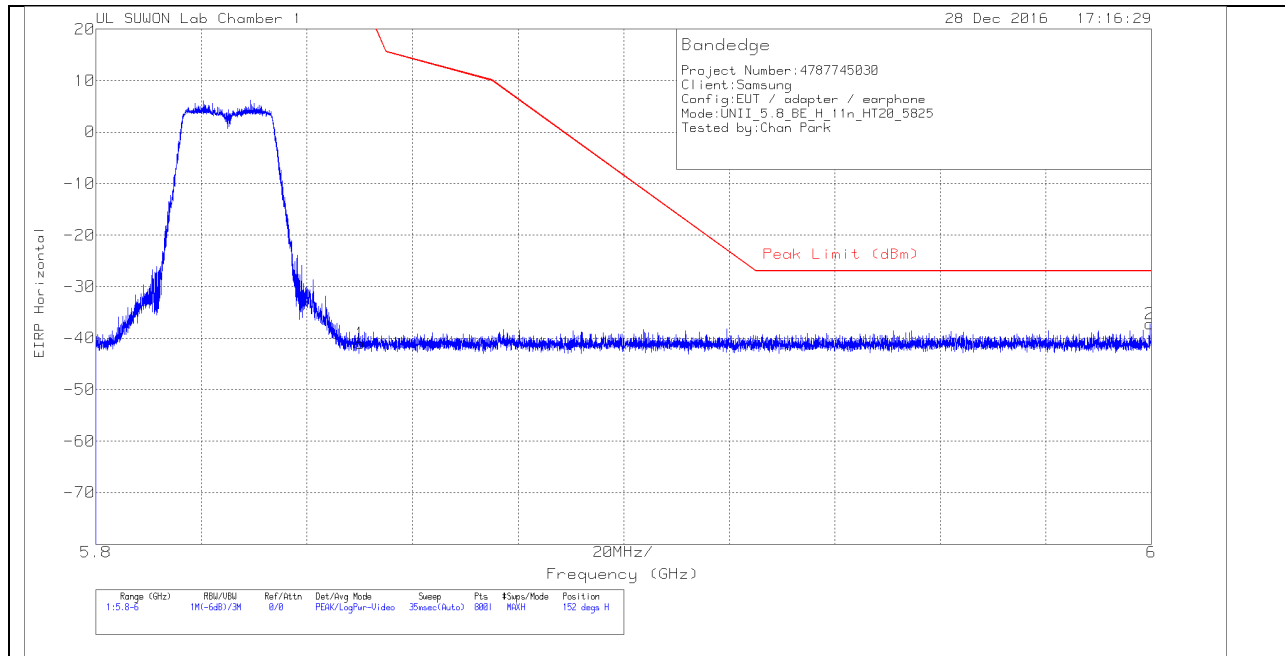
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.88	Pk	34.8	-22.8	11.8	0	-39.08	26.97	-66.05	189	258	V
2	5.639	-62.53	Pk	34.8	-23	11.8	0	-38.93	-27	-11.93	189	258	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



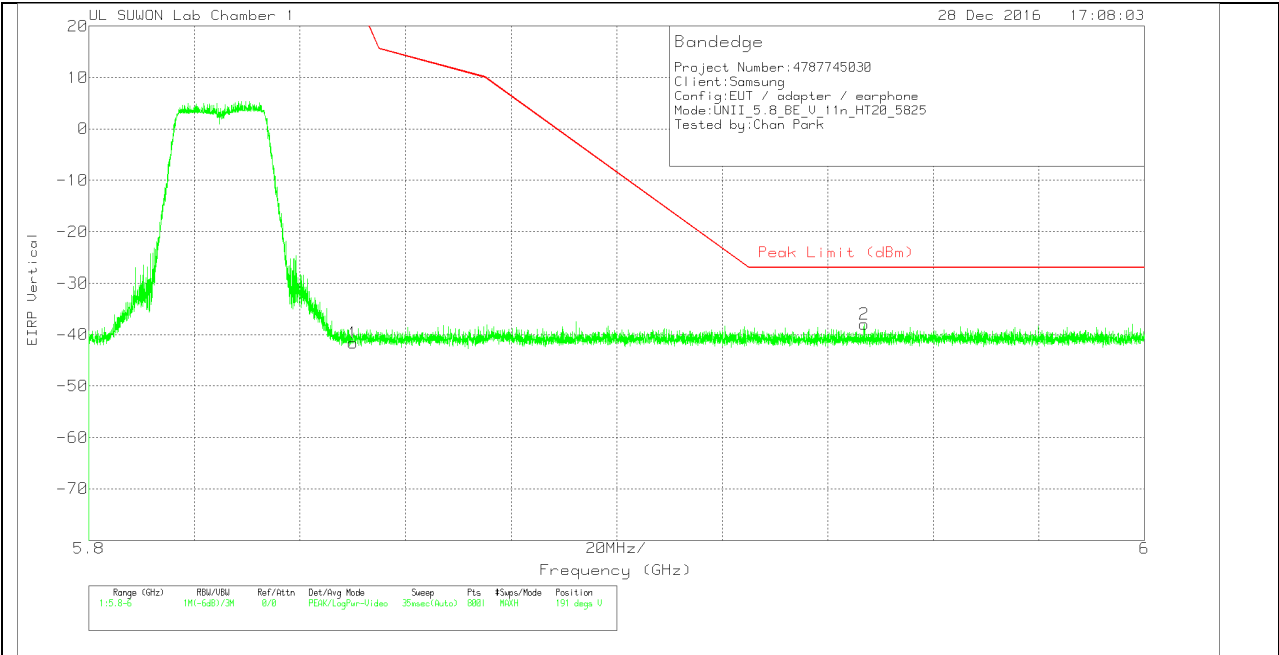
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.49	Pk	34.9	-22.2	11.8	0	-40.99	26.94	-67.93	152	101	H
2	6	-61.75	Pk	34.9	-22.2	11.8	0	-37.25	-27	-10.25	152	101	H

Pk - Peak detector

VERTICAL PEAK PLOT



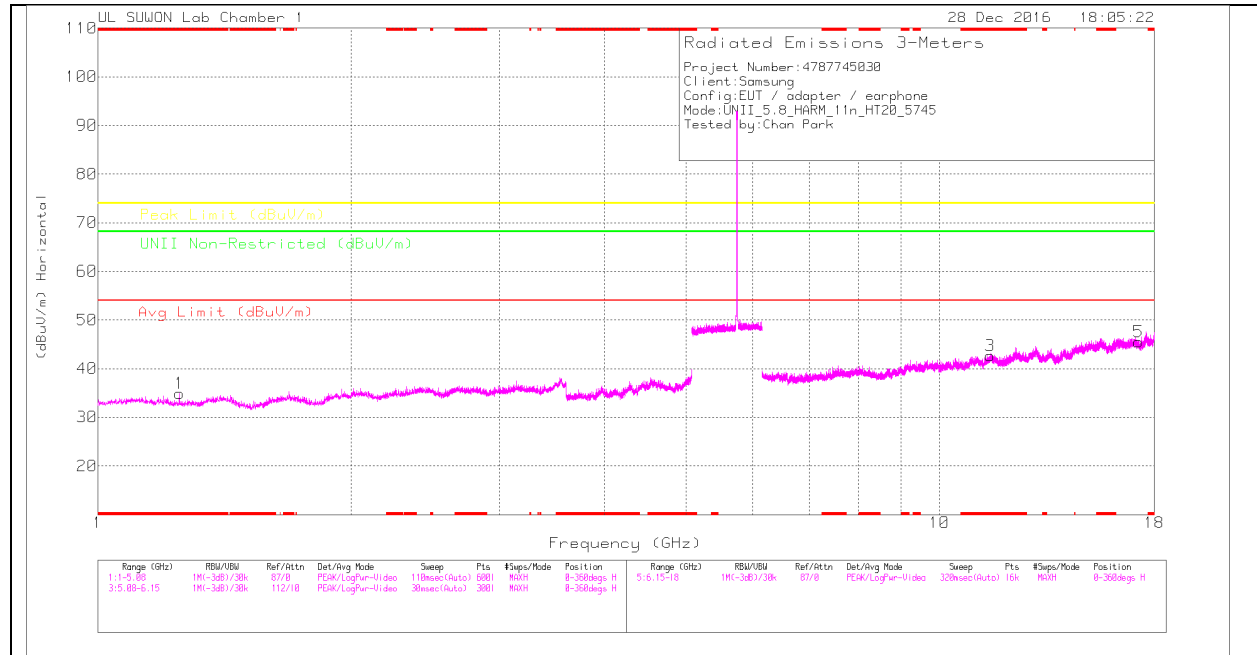
VERTICAL DATA

Trace Markers

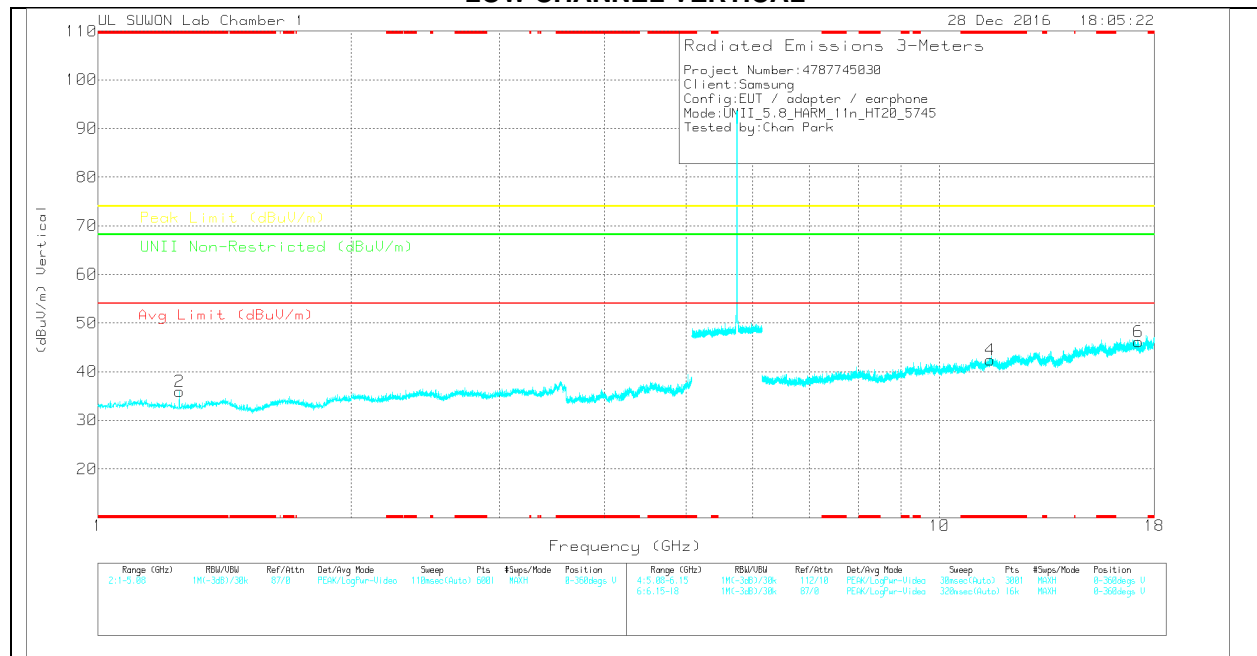
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.1	Pk	34.9	-22.2	11.8	0	-41.6	26.94	-68.54	191	277	V
2	5.947	-62.31	Pk	34.9	-22.4	11.8	0	-38.01	-27	-11.01	191	277	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

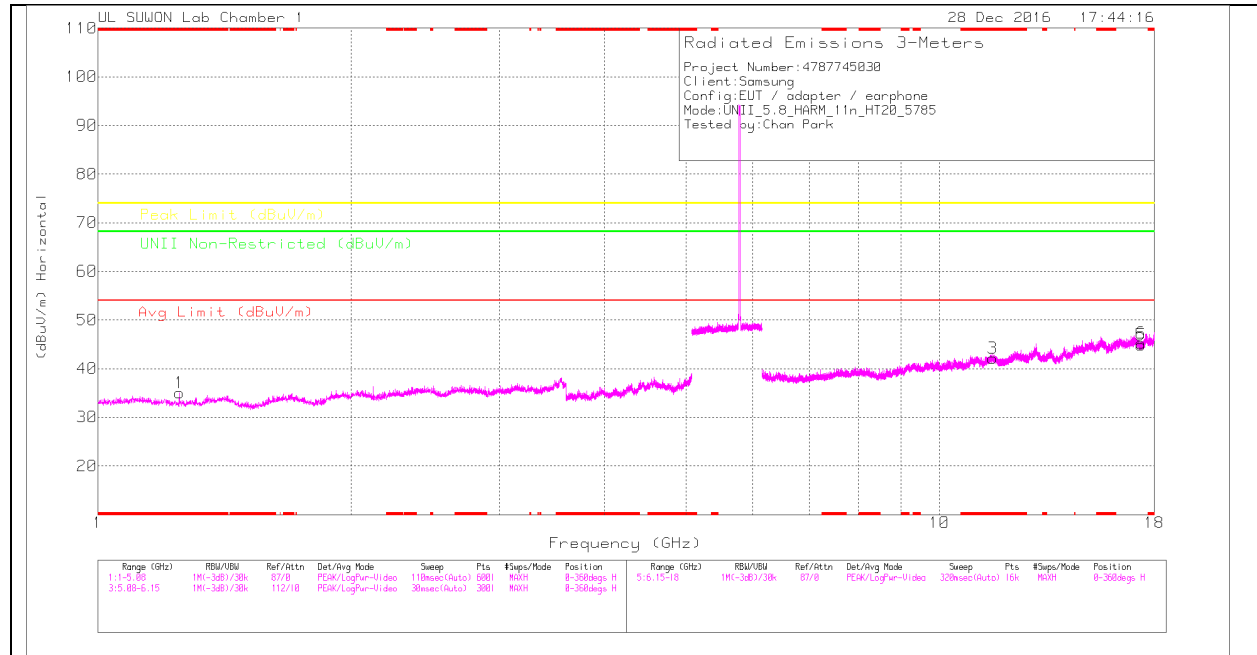
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.81	Pk	28.3	-39.2	0	34.91	-	-	74	-39.09	-	-	0-360	150	H
2	* 1.25	46.79	Pk	28.3	-39.2	0	35.89	-	-	74	-38.11	-	-	0-360	250	V
3	* 11.493	31.39	Pk	38.6	-27.3	0	42.69	-	-	74	-31.31	-	-	0-360	250	H
5	17.236	25.64	Pk	41.2	-21.3	0	45.54	-	-	-	-	68.2	-22.66	0-360	150	H
4	* 11.49	31.16	Pk	38.6	-27.4	0	42.36	-	-	74	-31.64	-	-	0-360	250	V
6	17.234	26.19	Pk	41.2	-21.3	0	46.09	-	-	-	-	68.2	-22.11	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

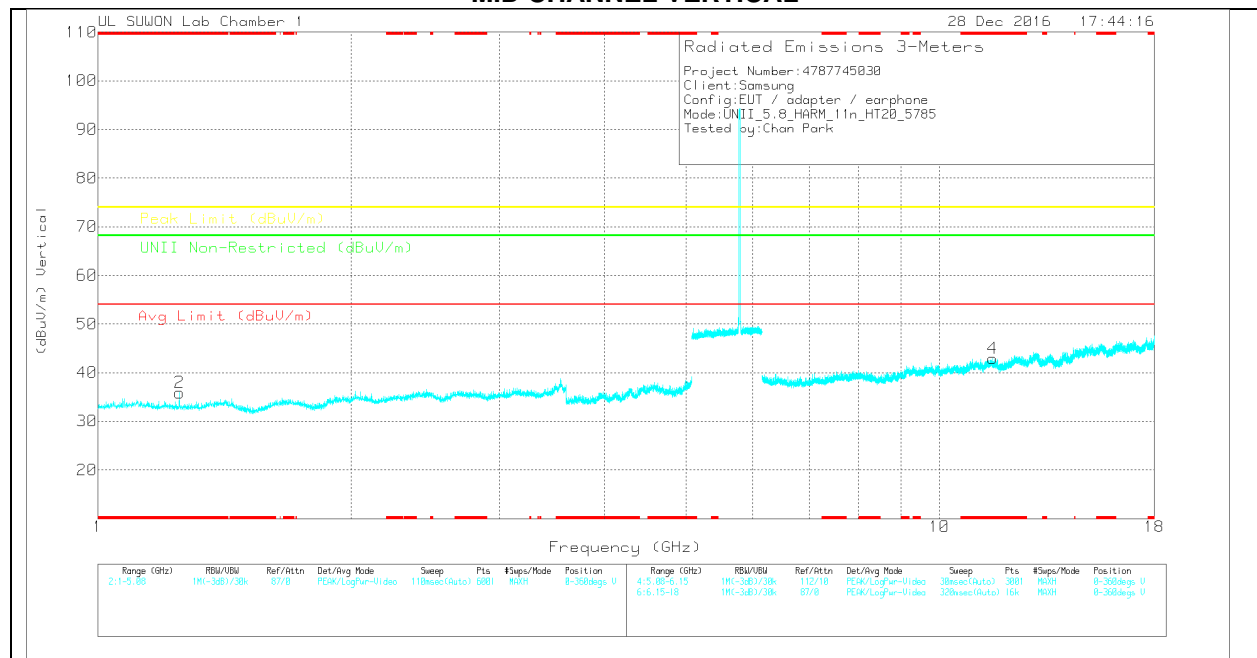
Pk – Peak detector

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

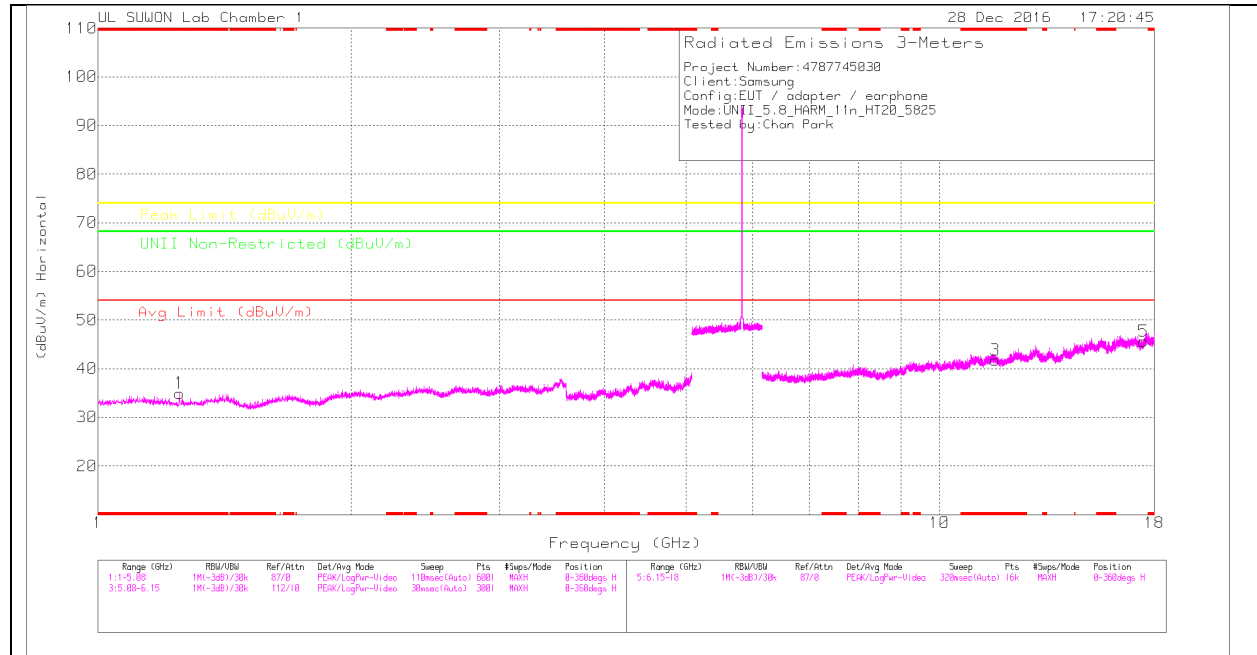
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	45.95	Pk	28.3	-39.2	0	35.05	-	-	74	-38.95	-	-	0-360	150	H
2	* 1.25	46.77	Pk	28.3	-39.2	0	35.87	-	-	74	-38.13	-	-	0-360	250	V
3	* 11.57	30.55	Pk	38.7	-27.1	0	42.15	-	-	74	-31.85	-	-	0-360	150	H
5	17.353	25.41	Pk	41.2	-21.7	0	44.91	-	-	-	-	68.2	-23.29	0-360	150	H
6	17.357	25.61	Pk	41.2	-21.6	0	45.21	-	-	-	-	68.2	-22.99	0-360	250	H
4	* 11.567	31.37	Pk	38.7	-27.1	0	42.97	-	-	74	-31.03	-	-	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

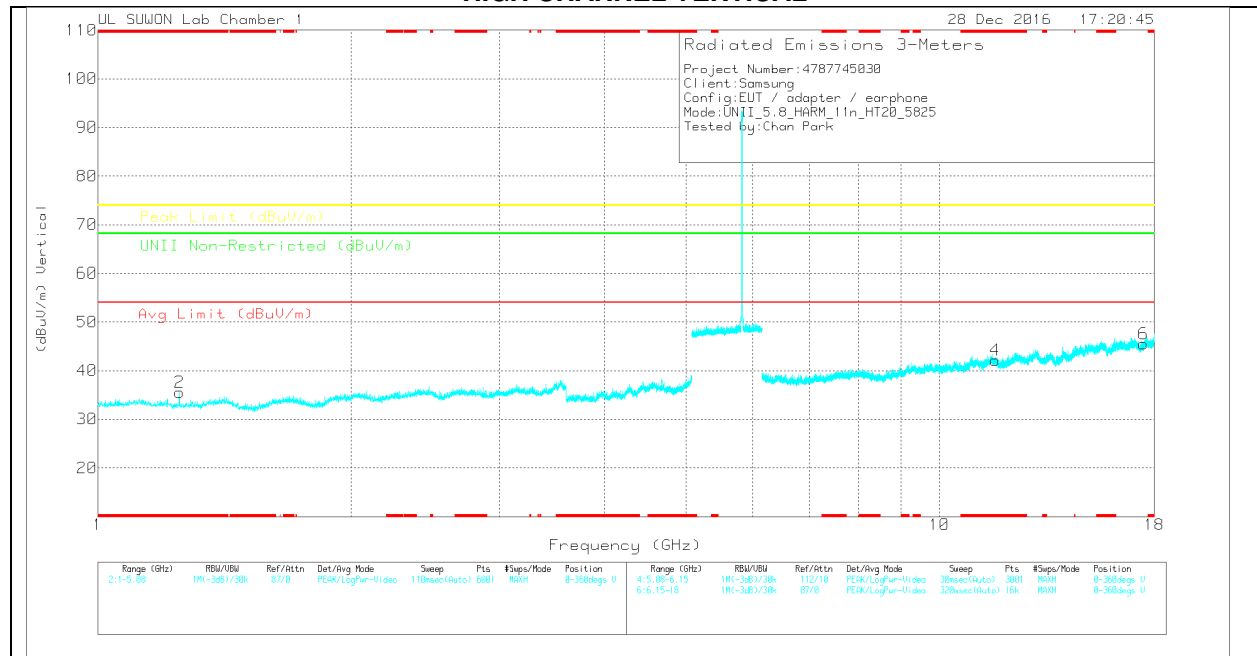
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	45.86	Pk	28.3	-39.2	0	34.96	-	-	74	-39.04	-	-	0-360	150	H
2	* 1.25	46.48	Pk	28.3	-39.2	0	35.58	-	-	74	-38.42	-	-	0-360	250	V
3	* 11.653	30.69	Pk	38.7	-27.6	0	41.79	-	-	74	-32.21	-	-	0-360	150	H
5	17.476	26.46	Pk	41.1	-21.9	0	45.66	-	-	-	-	68.2	-22.54	0-360	250	H
4	* 11.648	31.03	Pk	38.7	-27.6	0	42.13	-	-	74	-31.87	-	-	0-360	150	V
6	17.477	26.34	Pk	41.1	-21.9	0	45.54	-	-	-	-	68.2	-22.66	0-360	150	V

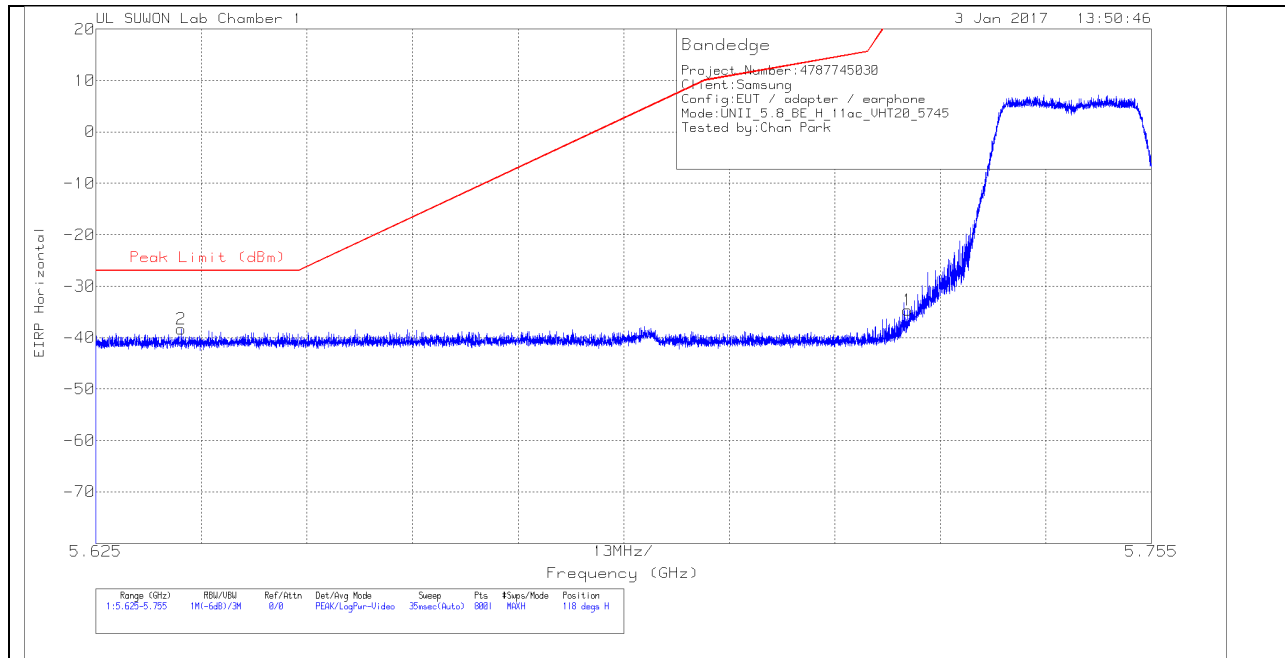
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk – Peak detector

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

11.4.3. TX ABOVE 1GHz 802.11ac VHT20 MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT



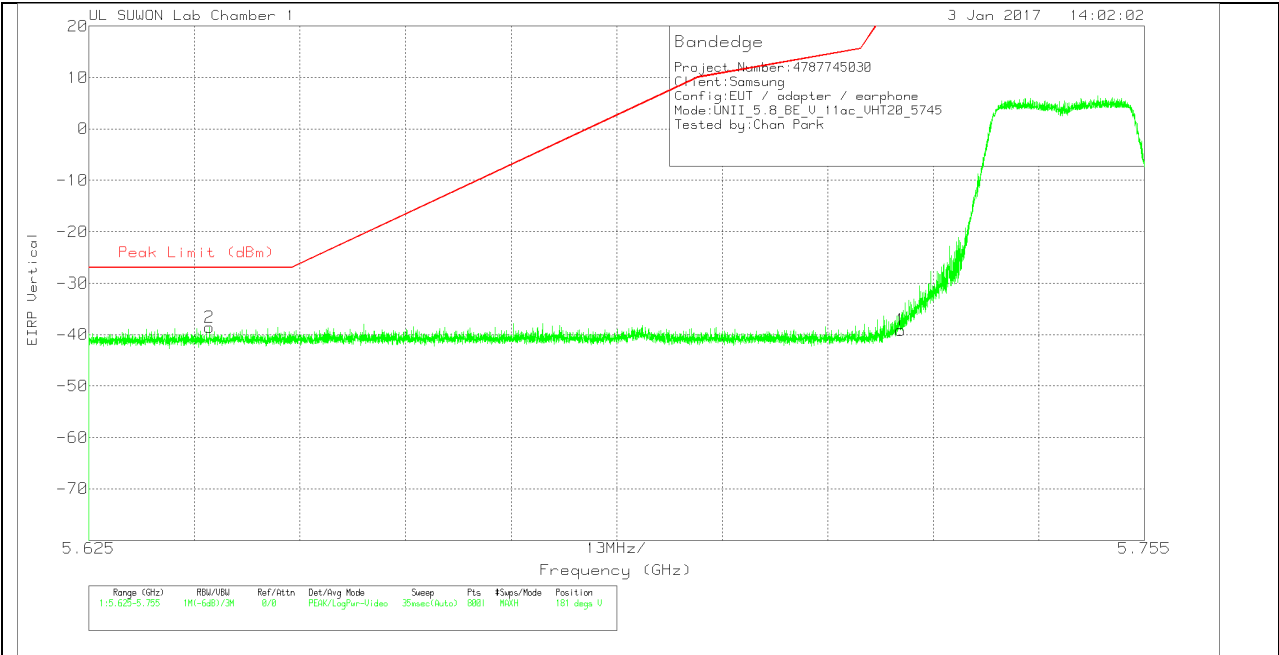
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-58.41	Pk	34.8	-22.8	11.8	0	-34.61	26.97	-61.58	118	121	H
2	5.636	-61.86	Pk	34.8	-23.1	11.8	0	-38.36	-27	-11.36	118	121	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

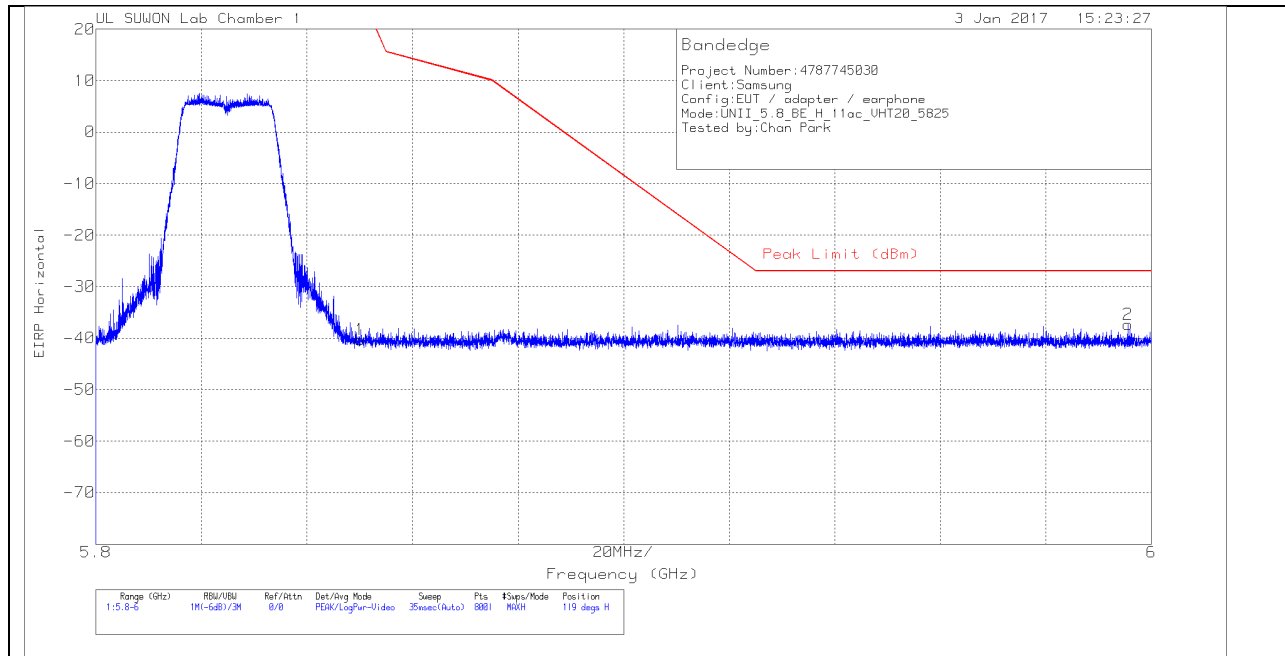
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.92	Pk	34.8	-22.8	11.8	0	-39.12	26.97	-66.09	181	267	V
2	5.64	-62.14	Pk	34.8	-23	11.8	0	-38.54	-27	-11.54	181	267	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



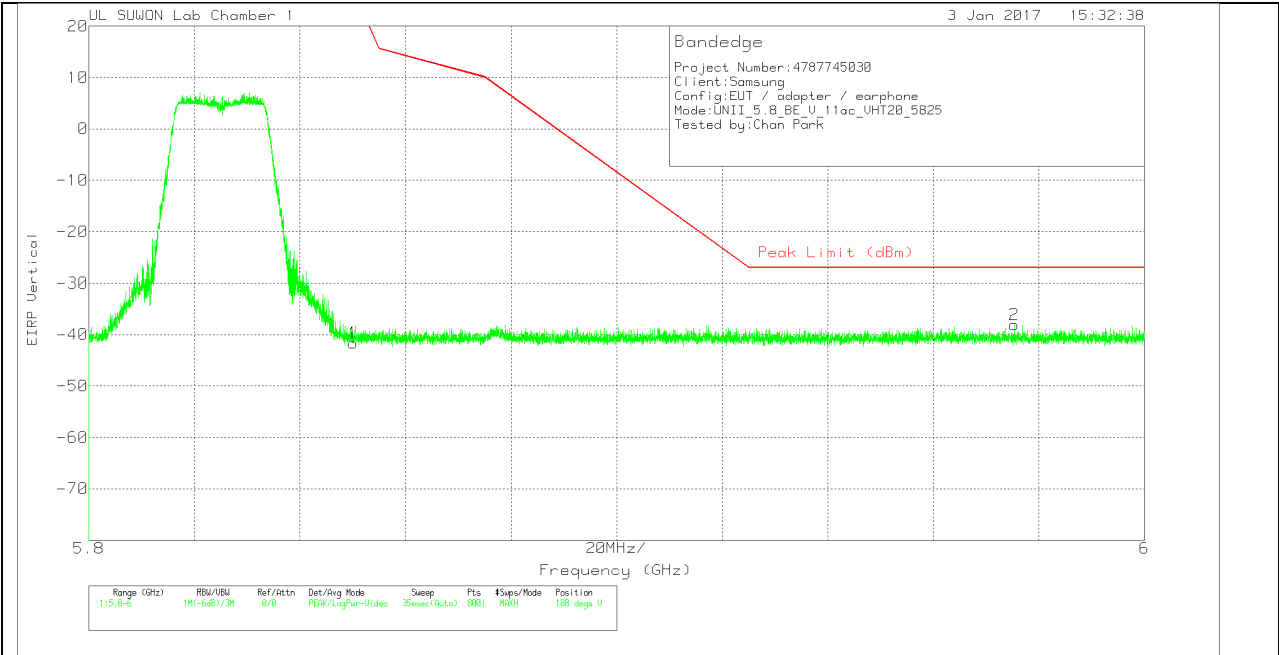
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.74	Pk	34.9	-22.2	11.8	0	-40.24	26.94	-67.18	119	117	H
2	5.996	-61.81	Pk	34.9	-22.2	11.8	0	-37.31	-27	-10.31	119	117	H

Pk - Peak detector

VERTICAL PEAK PLOT



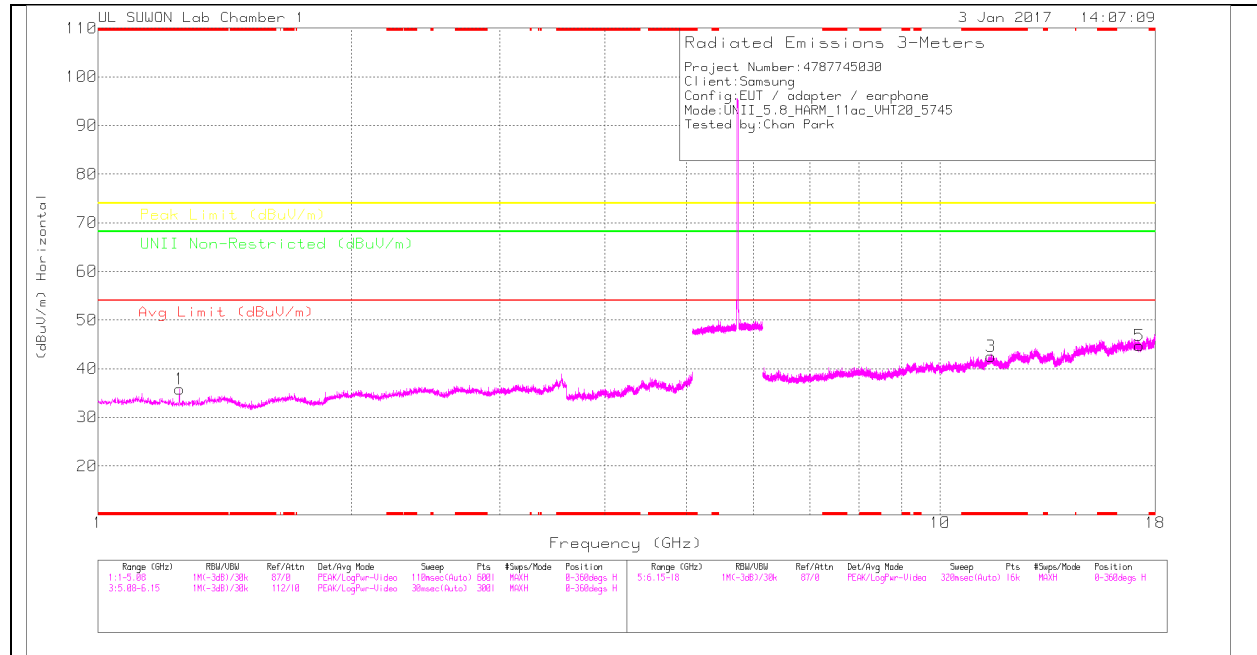
VERTICAL DATA

Trace Markers

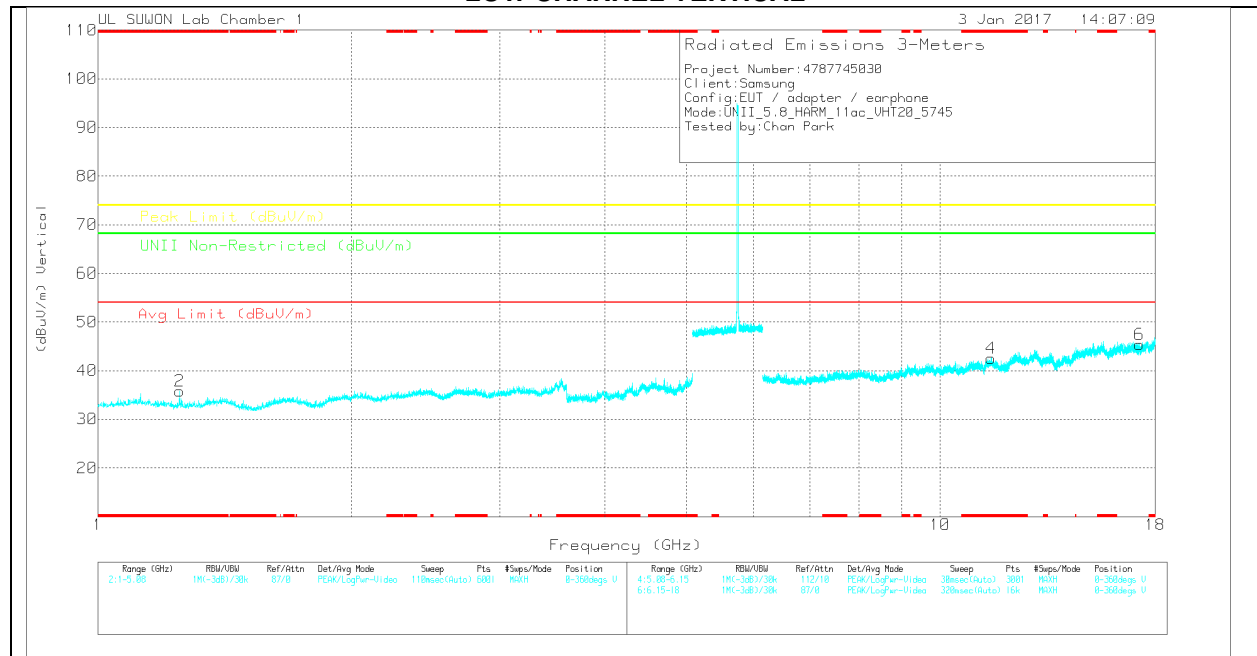
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.1	Pk	34.9	-22.2	11.8	0	-41.6	26.94	-68.54	188	248	V
2	5.975	-62.54	Pk	34.9	-22.3	11.8	0	-38.14	-27	-11.14	188	248	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

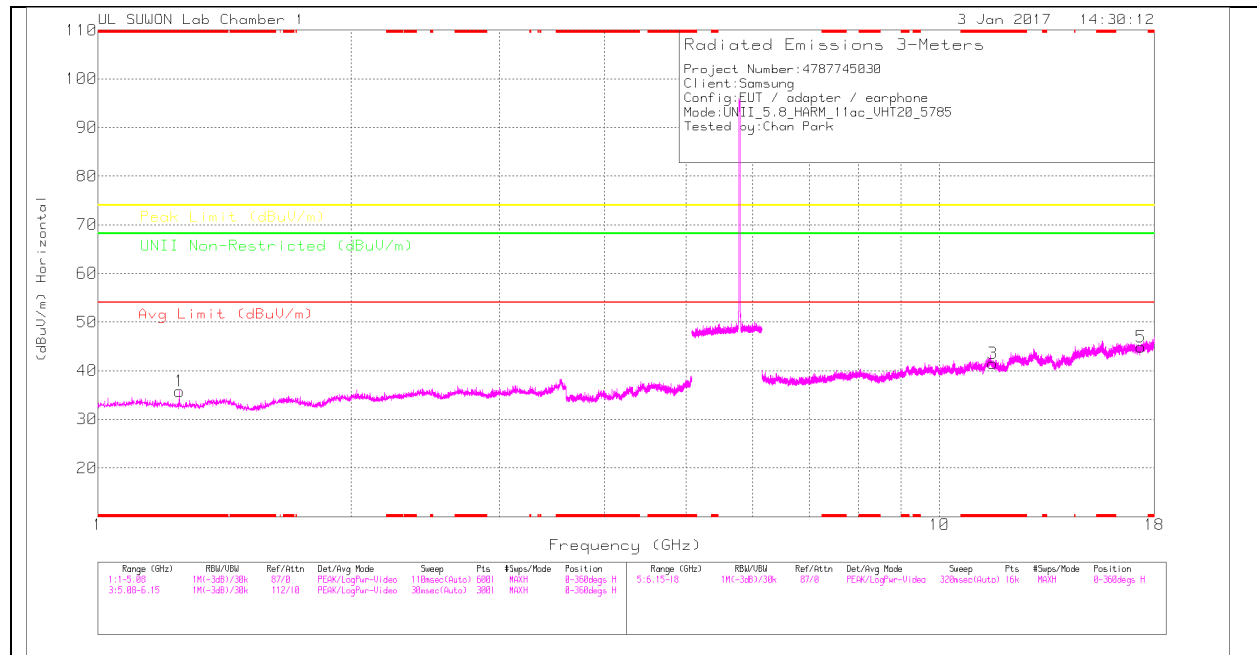
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.72	Pk	28.3	-39.2	0	35.82	-	-	74	-38.18	-	-	0-360	150	H
2	* 1.25	46.66	Pk	28.3	-39.2	0	35.76	-	-	74	-38.24	-	-	0-360	250	V
3	* 11.49	31.27	Pk	38.6	-27.4	0	42.47	-	-	74	-31.53	-	-	0-360	150	H
5	17.234	24.78	Pk	41.2	-21.3	0	44.68	-	-	-	-	68.2	-23.52	0-360	150	H
4	* 11.49	31.37	Pk	38.6	-27.4	0	42.57	-	-	74	-31.43	-	-	0-360	150	V
6	17.232	25.43	Pk	41.2	-21.3	0	45.33	-	-	-	-	68.2	-22.87	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

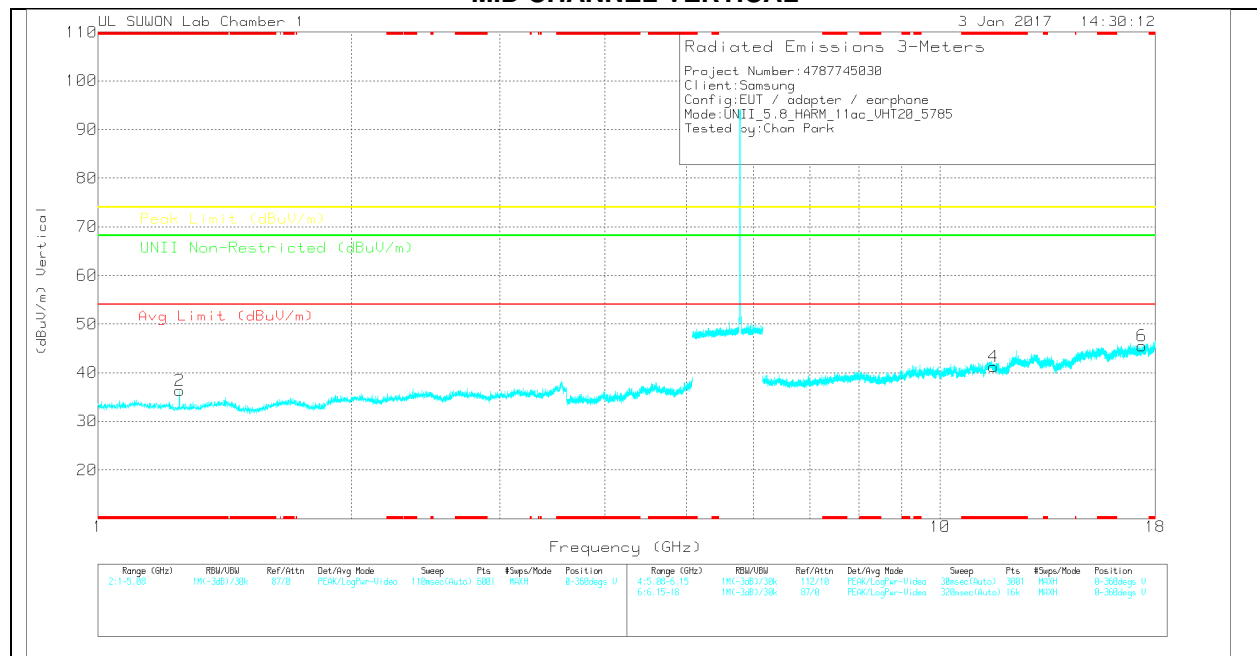
Pk – Peak detector

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

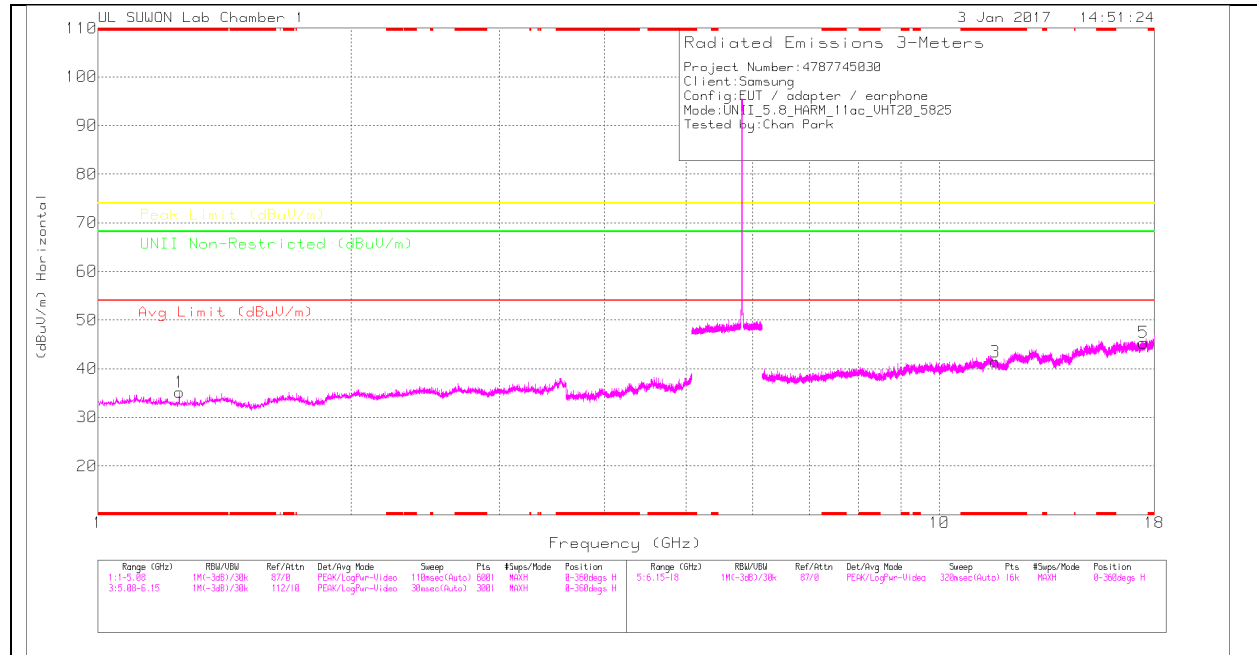
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	46.64	Pk	28.3	-39.2	0	35.74	-	-	74	-38.26	-	-	0-360	150	H
2	* 1.25	47.25	Pk	28.3	-39.2	0	36.35	-	-	74	-37.65	-	-	0-360	250	V
3	* 11.57	30.05	Pk	38.7	-27.2	0	41.55	-	-	74	-32.45	-	-	0-360	150	H
5	17.354	25.41	Pk	41.2	-21.7	0	44.91	-	-	-	-	68.2	-23.29	0-360	150	H
4	* 11.574	29.71	Pk	38.7	-27.2	0	41.21	-	-	74	-32.79	-	-	0-360	250	V
6	17.356	25.91	Pk	41.2	-21.6	0	45.51	-	-	-	-	68.2	-22.69	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

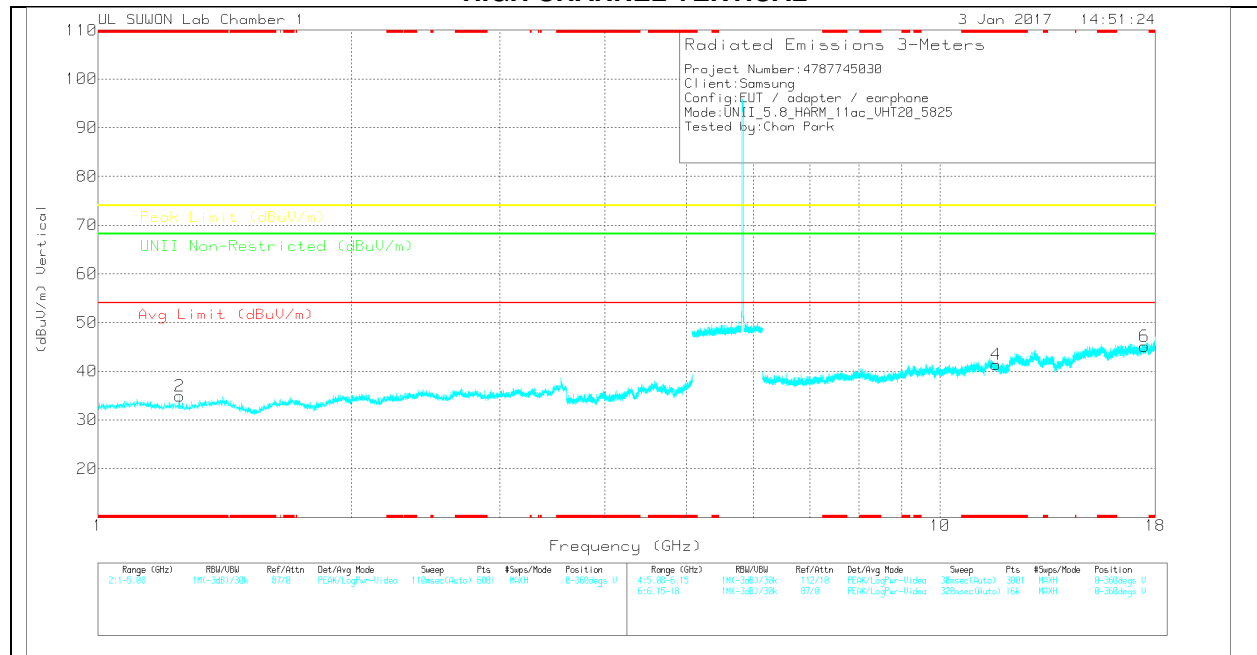
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	46.1	Pk	28.3	-39.2	0	35.2	-	-	74	-38.8	-	-	0-360	150	H
2	* 1.25	45.74	Pk	28.3	-39.2	0	34.84	-	-	74	-39.16	-	-	0-360	250	V
3	* 11.649	30.23	Pk	38.7	-27.6	0	41.33	-	-	74	-32.67	-	-	0-360	150	H
5	17.476	26.11	Pk	41.1	-21.9	0	45.31	-	-	-	-	68.2	-22.89	0-360	150	H
4	* 11.648	30.26	Pk	38.7	-27.6	0	41.36	-	-	74	-32.64	-	-	0-360	250	V
6	17.475	25.86	Pk	41.1	-21.9	0	45.06	-	-	-	-	68.2	-23.14	0-360	150	V

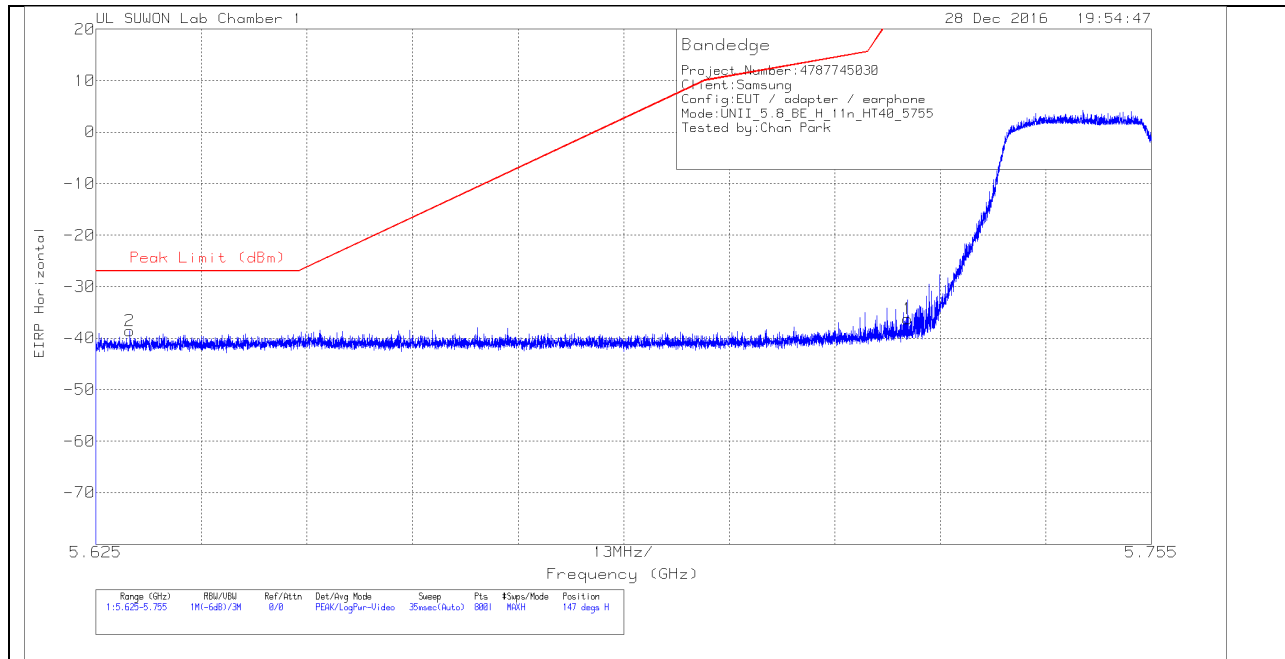
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk – Peak detector

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

11.4.4. TX ABOVE 1GHz 802.11n HT40 MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT



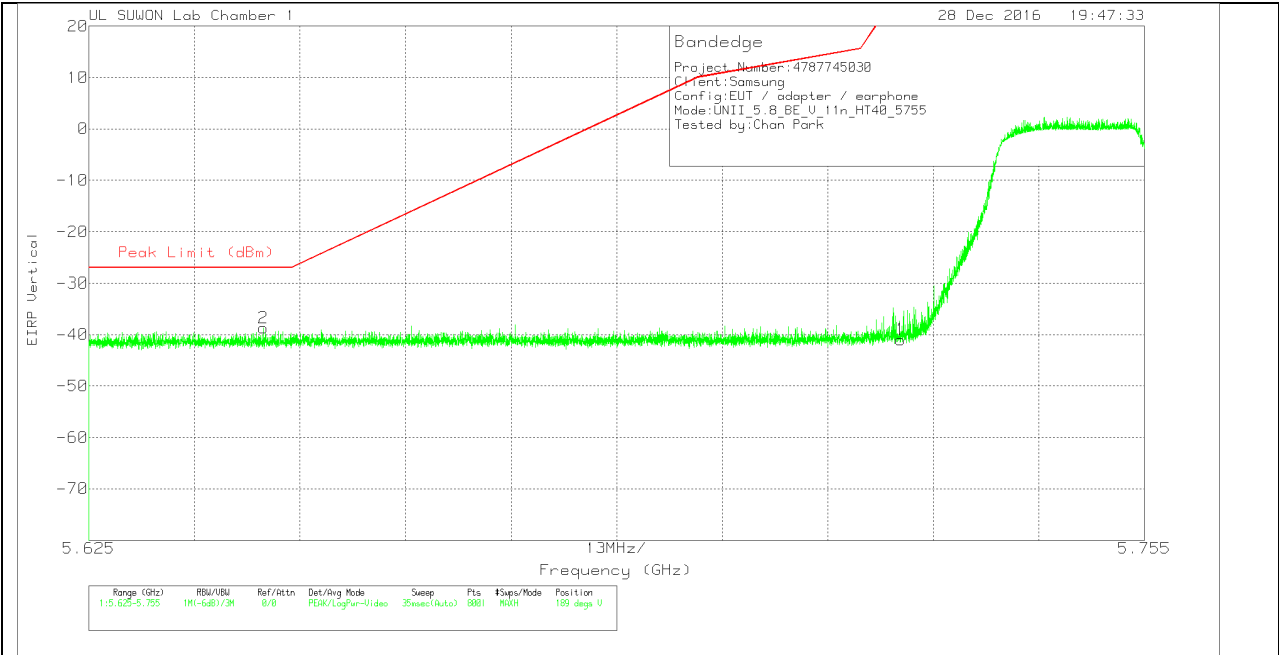
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-60.02	Pk	34.8	-22.8	11.8	0	-36.22	26.97	-63.19	147	111	H
2	5.629	-61.95	Pk	34.7	-23.1	11.8	0	-38.55	-27	-11.55	147	111	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

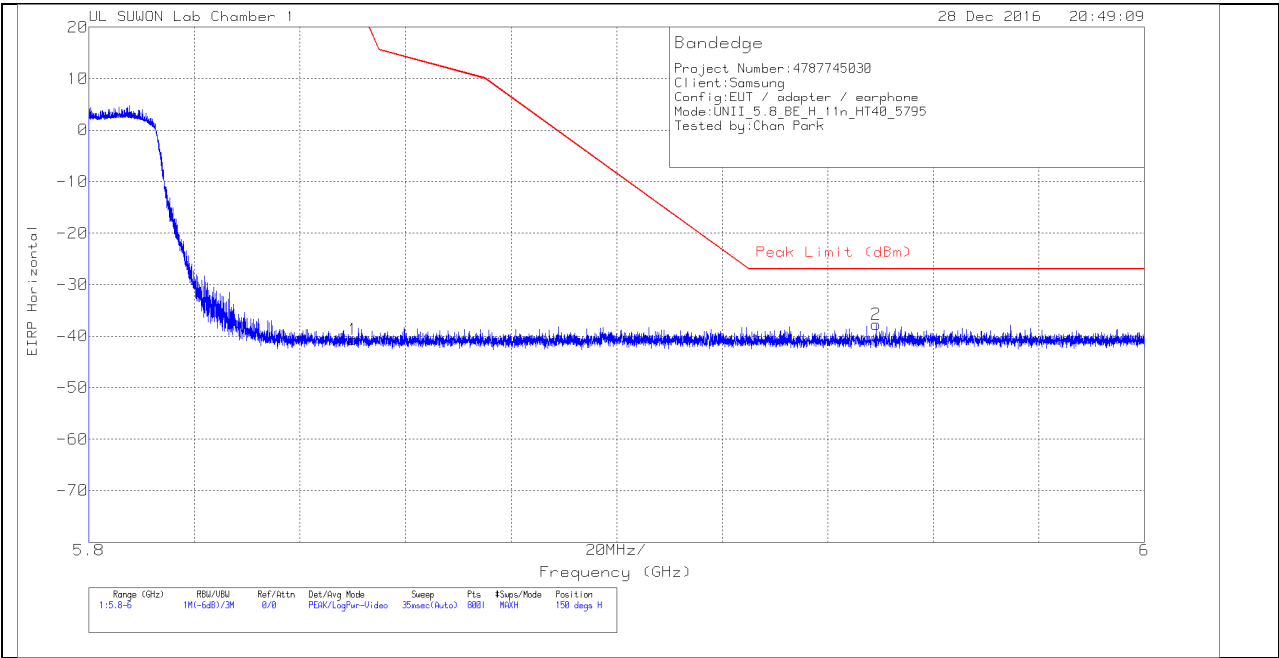
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.76	Pk	34.8	-22.8	11.8	0	-40.96	26.97	-67.93	189	299	V
2	5.646	-62.32	Pk	34.8	-23	11.8	0	-38.72	-27	-11.72	189	299	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



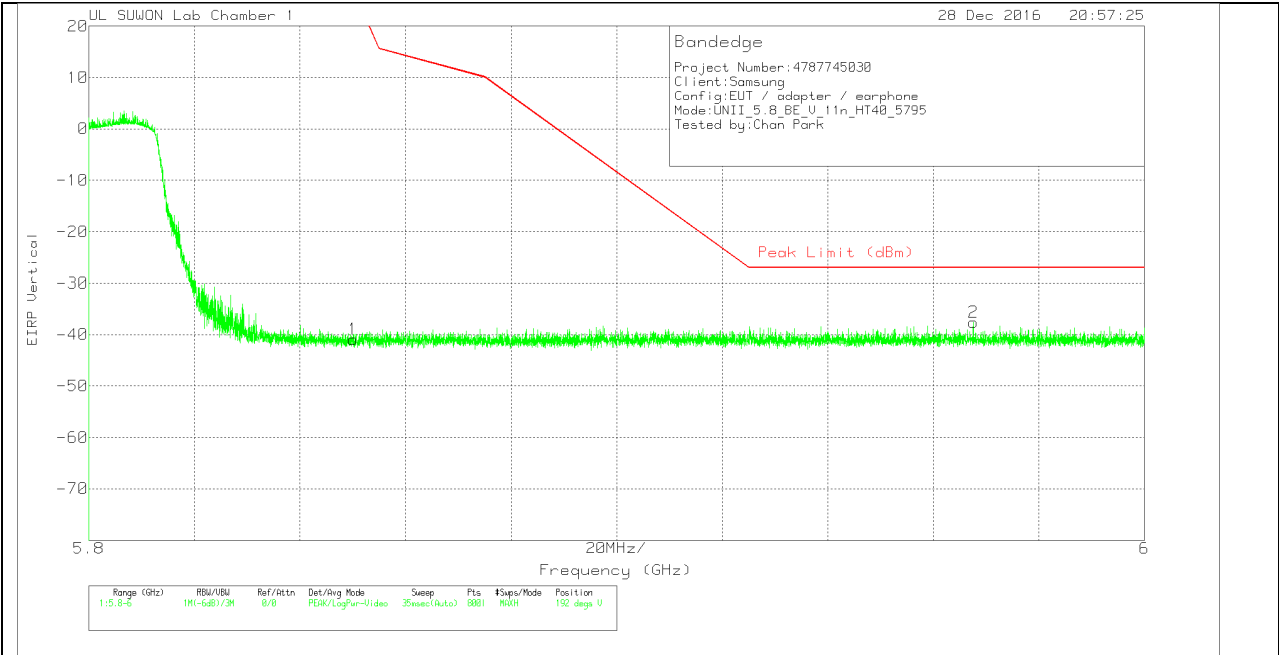
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.17	Pk	34.9	-22.2	11.8	0	-40.67	26.94	-67.61	150	103	H
2	5.949	-62.05	Pk	34.9	-22.4	11.8	0	-37.75	-27	-10.75	150	103	H

Pk - Peak detector

VERTICAL PEAK PLOT



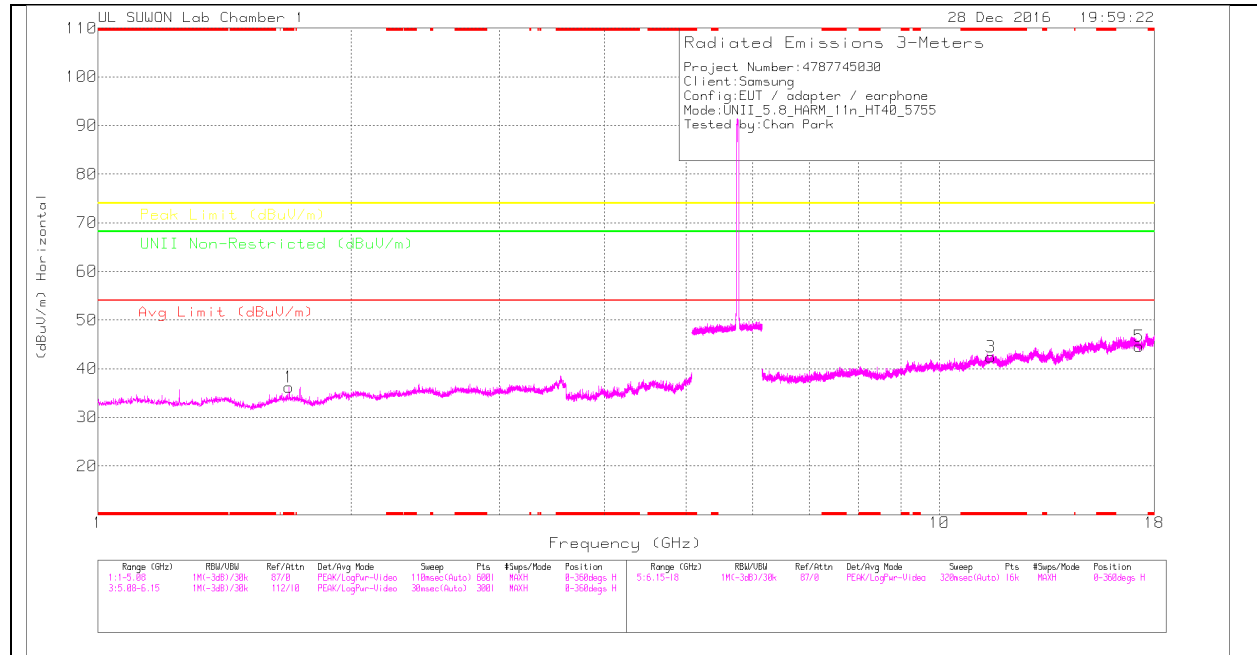
VERTICAL DATA

Trace Markers

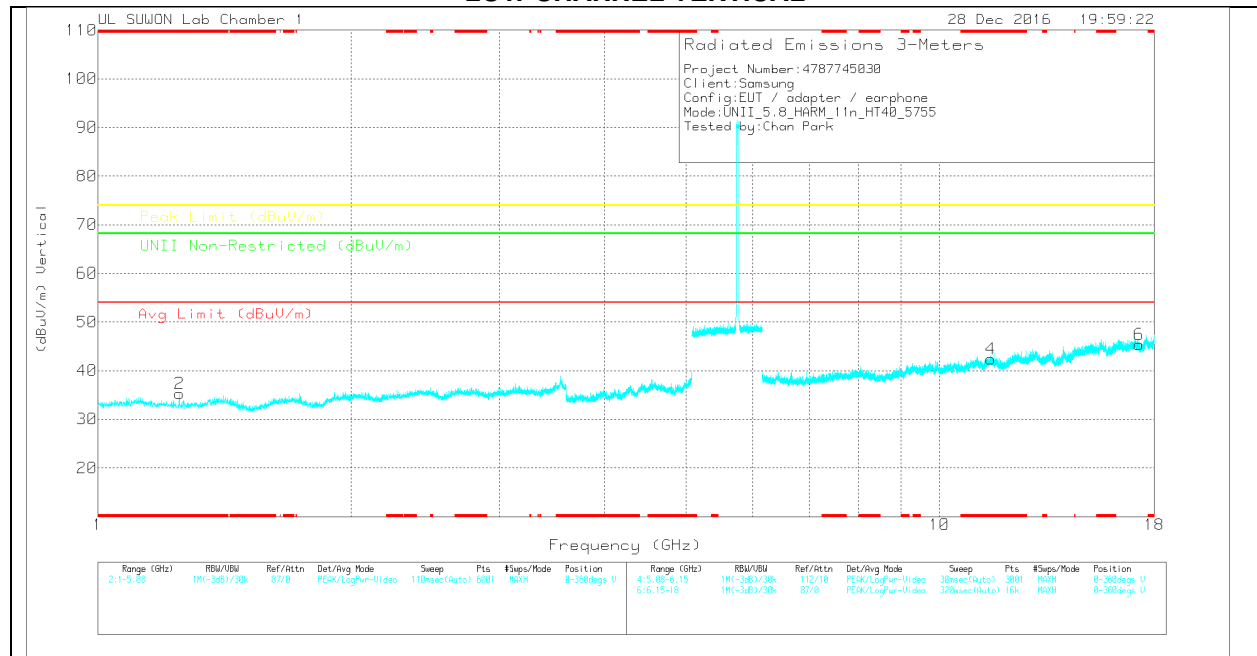
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.43	Pk	34.9	-22.2	11.8	0	-40.93	26.94	-67.87	192	252	V
2	5.968	-62.05	Pk	34.9	-22.3	11.8	0	-37.65	-27	-10.65	192	252	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

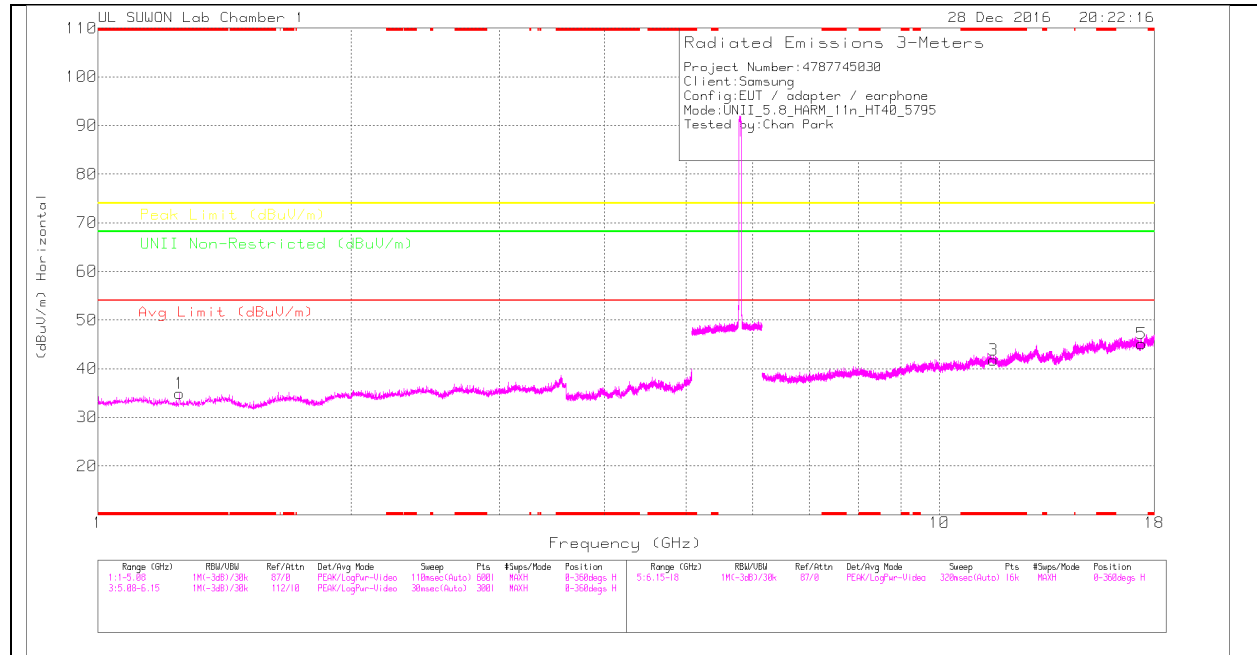
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	5GHz_LP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.687	45.36	Pk	29.5	-38.7	0	36.16	-	-	74	-37.84	-	-	0-360	150	H
2	* 1.25	46.18	Pk	28.3	-39.2	0	35.28	-	-	74	-38.72	-	-	0-360	250	V
3	* 11.512	31.03	Pk	38.6	-27.2	0	42.43	-	-	74	-31.57	-	-	0-360	150	H
5	17.265	25.28	Pk	41.2	-21.9	0	44.58	-	-	-	-	68.2	-23.62	0-360	250	H
4	* 11.51	30.98	Pk	38.6	-27.2	0	42.38	-	-	74	-31.62	-	-	0-360	250	V
6	17.266	26.13	Pk	41.2	-21.9	0	45.43	-	-	-	-	68.2	-22.77	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

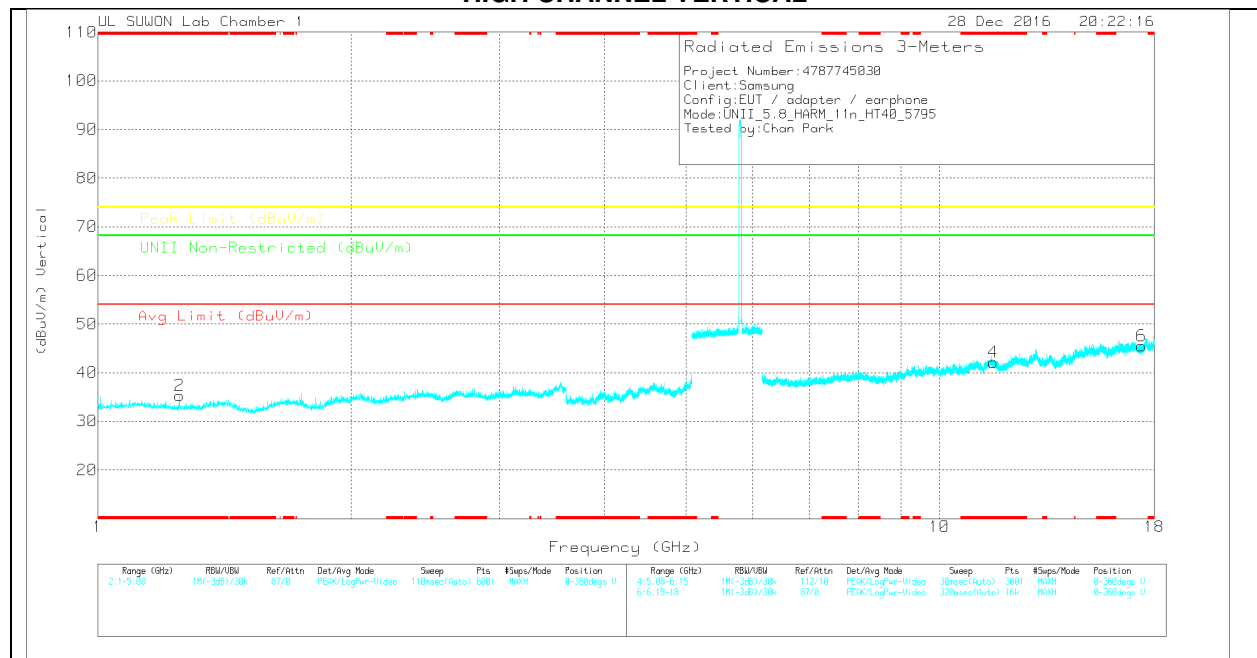
Pk – Peak detector

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(0016 8717)_150 619	5GHz_LP[d B]	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	* 1.25	45.81	Pk	28.3	-39.2	0	34.91	-	-	74	-39.09	-	-	0-360	150	H
2	* 1.25	46.13	Pk	28.3	-39.2	0	35.23	-	-	74	-38.77	-	-	0-360	250	V
3	* 11.59	30.27	Pk	38.7	-27.2	0	41.77	-	-	74	-32.23	-	-	0-360	150	H
5	17.386	24.99	Pk	41.2	-21.1	0	45.09	-	-	-	-	68.2	-23.11	0-360	150	H
4	* 11.588	30.64	Pk	38.7	-27.2	0	42.14	-	-	74	-31.86	-	-	0-360	250	V
6	17.386	25.38	Pk	41.2	-21.1	0	45.48	-	-	-	-	68.2	-22.72	0-360	150	V

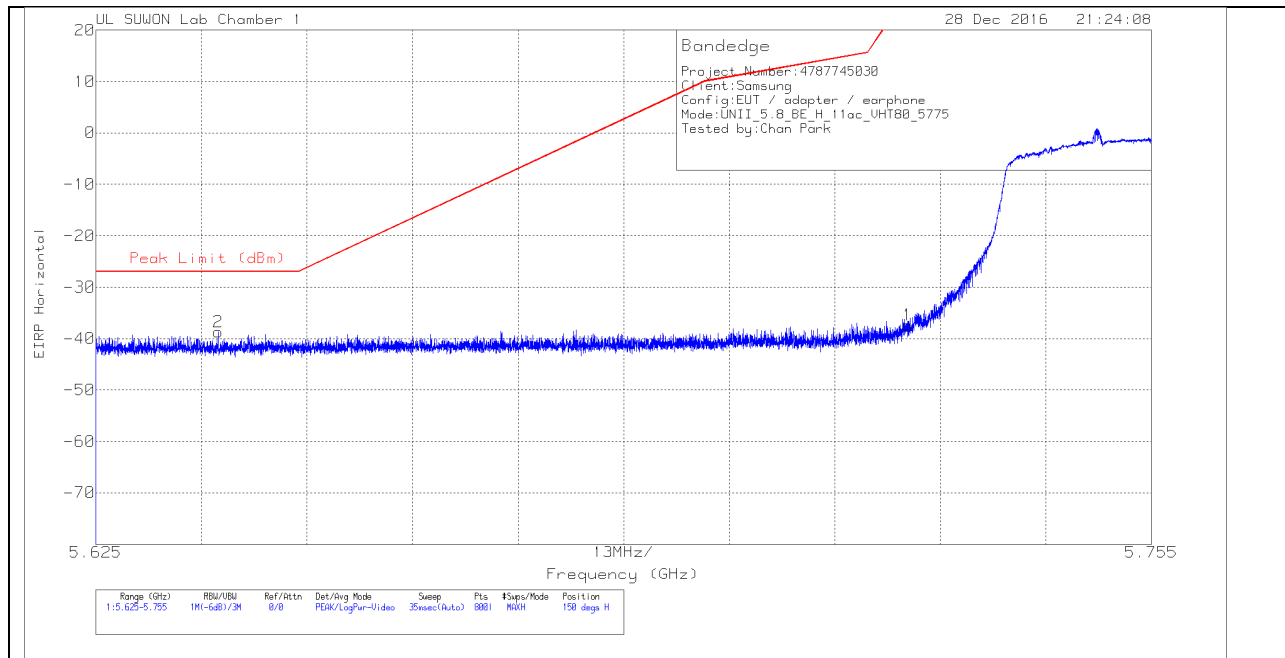
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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. TX ABOVE 1GHz 802.11ac VHT80 MODE IN THE 5.8GHz BAND BANDEDGE (Lower side)

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-61.15	Pk	34.8	-22.8	11.8	0	-37.35	26.97	-64.32	150	106	H
2	5.64	-62.25	Pk	34.8	-23	11.8	0	-38.65	-27	-11.65	150	106	H

Pk - Peak detector