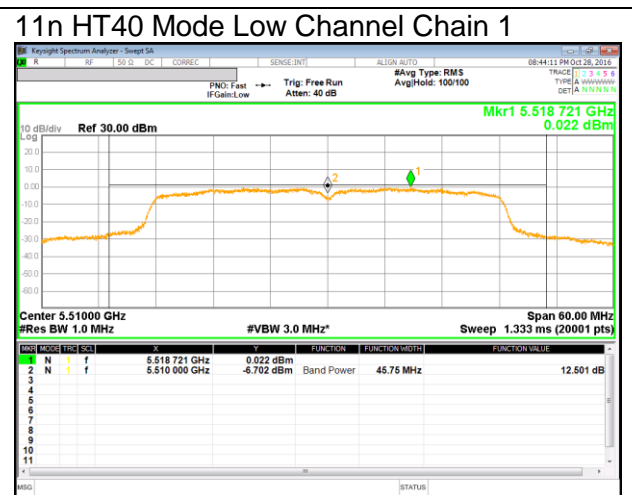
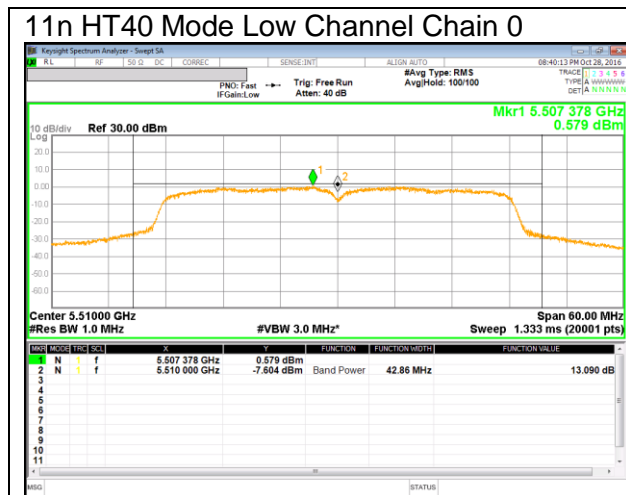
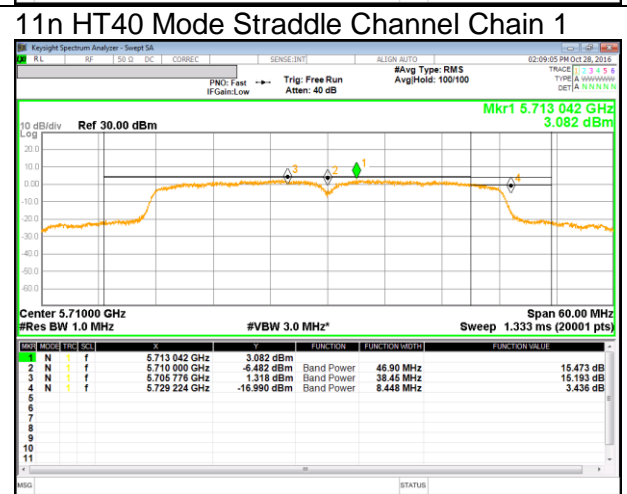
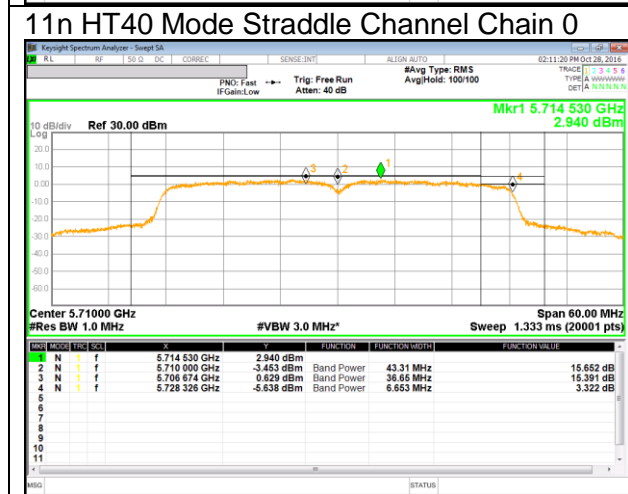
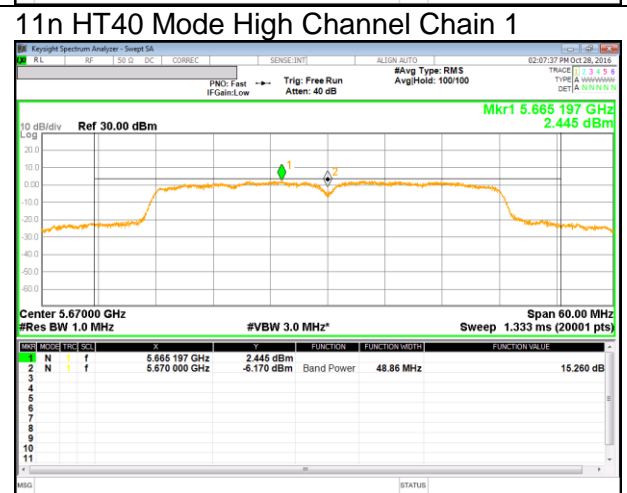
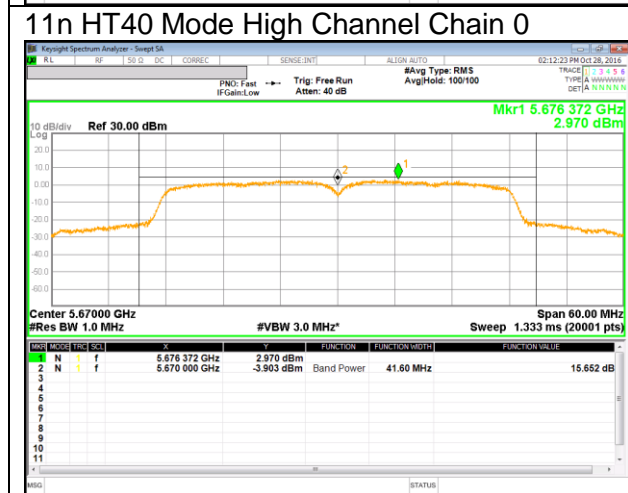
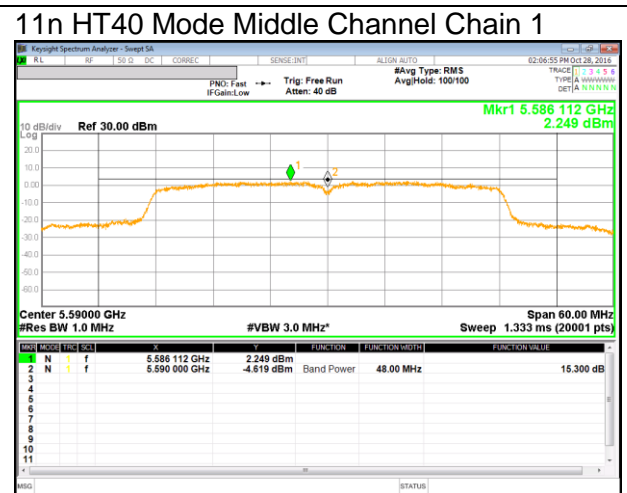
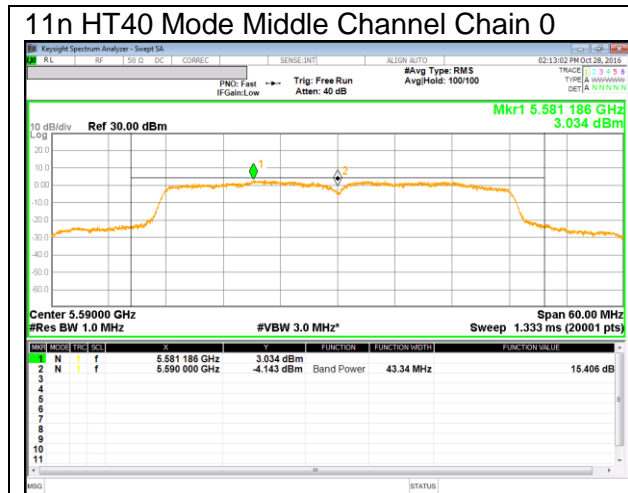
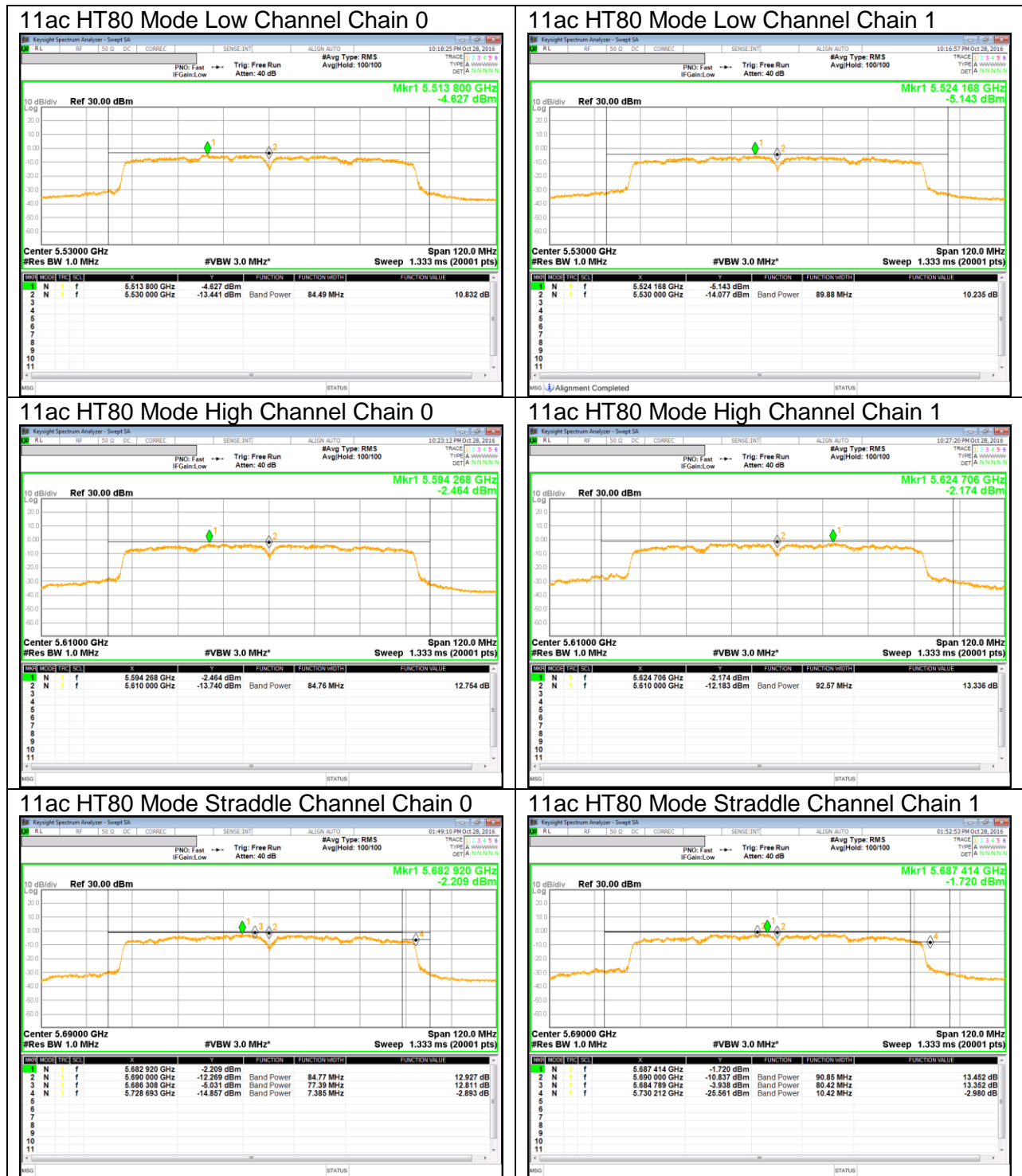


UNII 5.5 GHz IEEE 802.11n HT40 mode

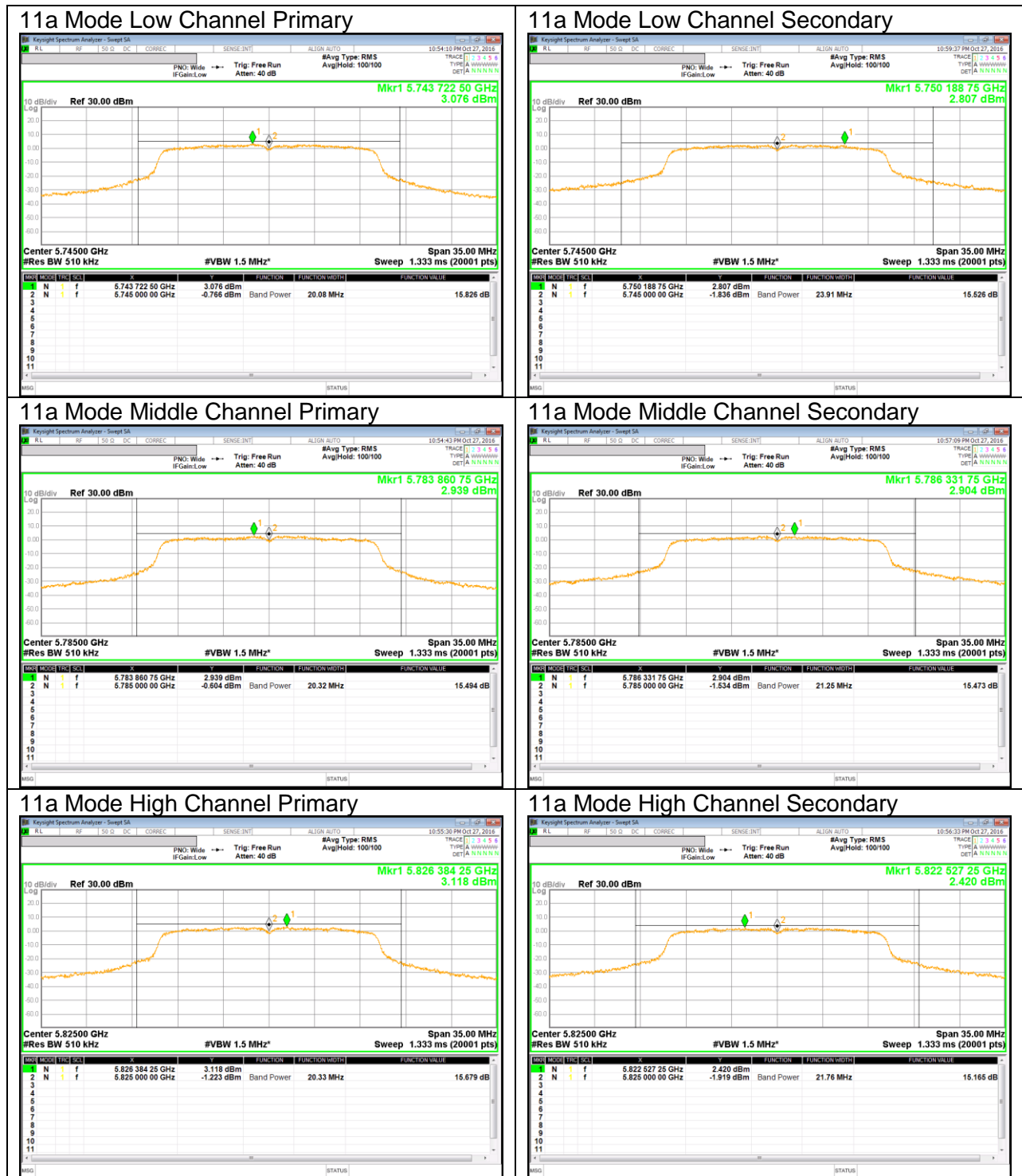




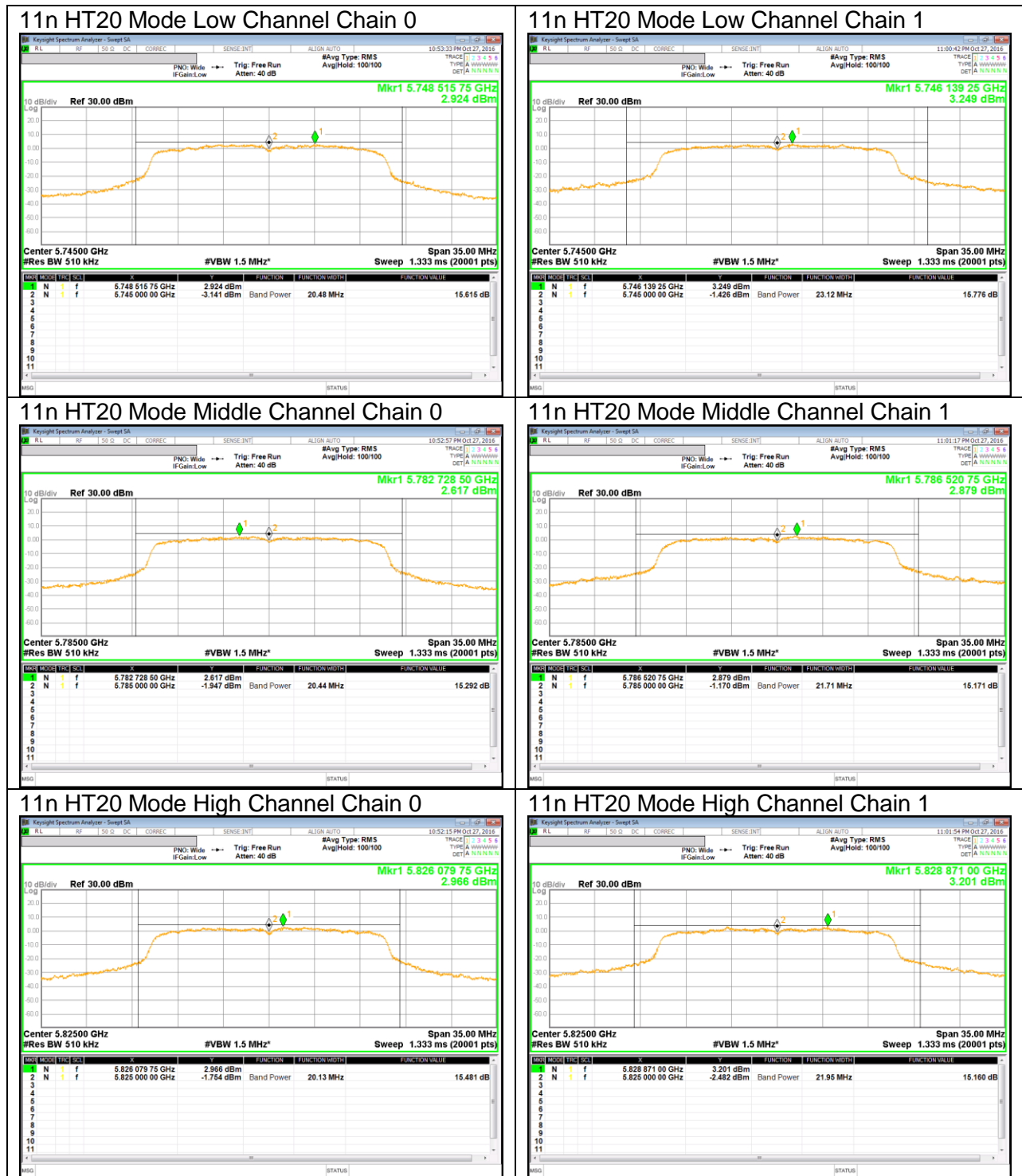
UNII 5.5 GHz IEEE 802.11ac VHT80 mode



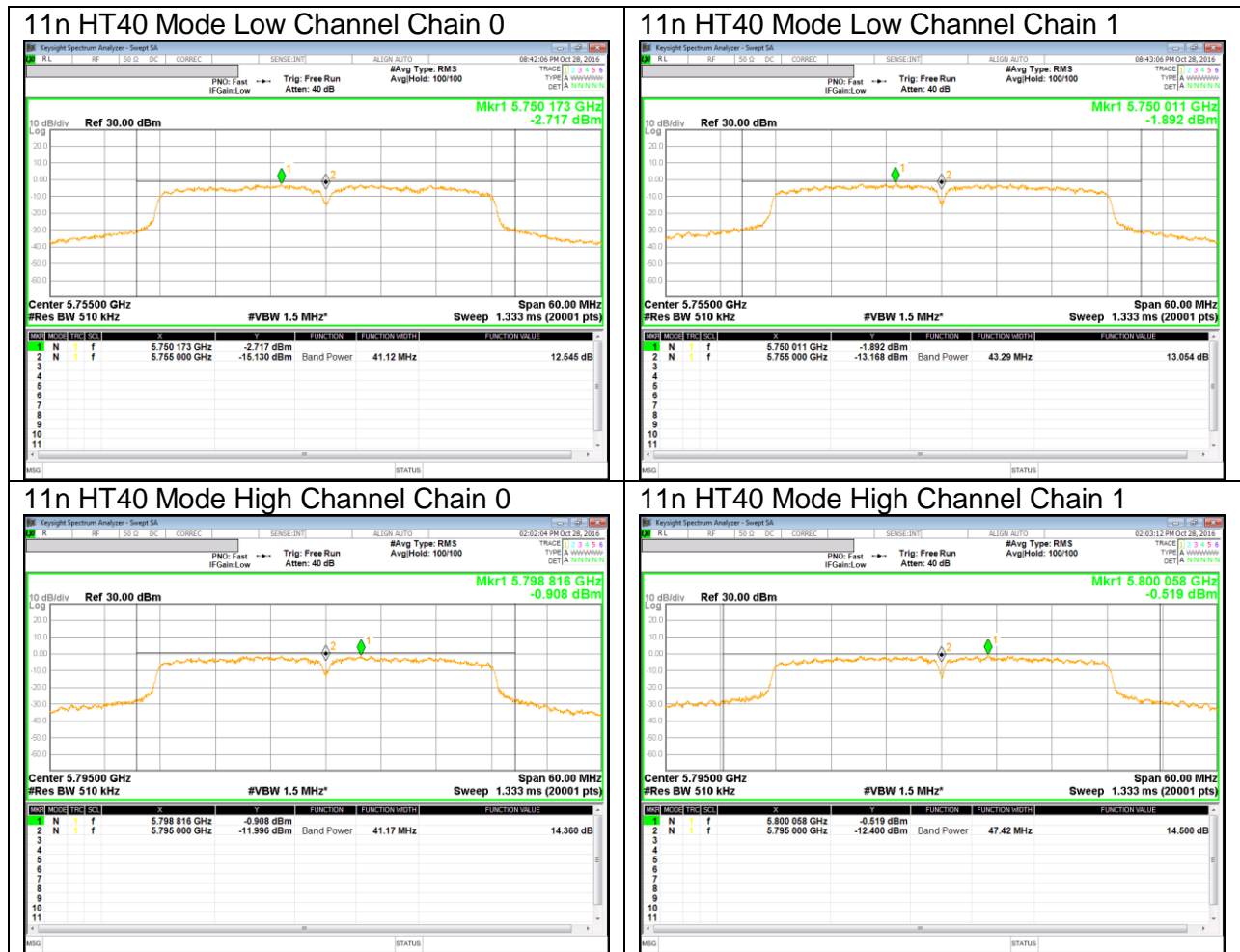
UNII 5.8 GHz IEEE 802.11a mode



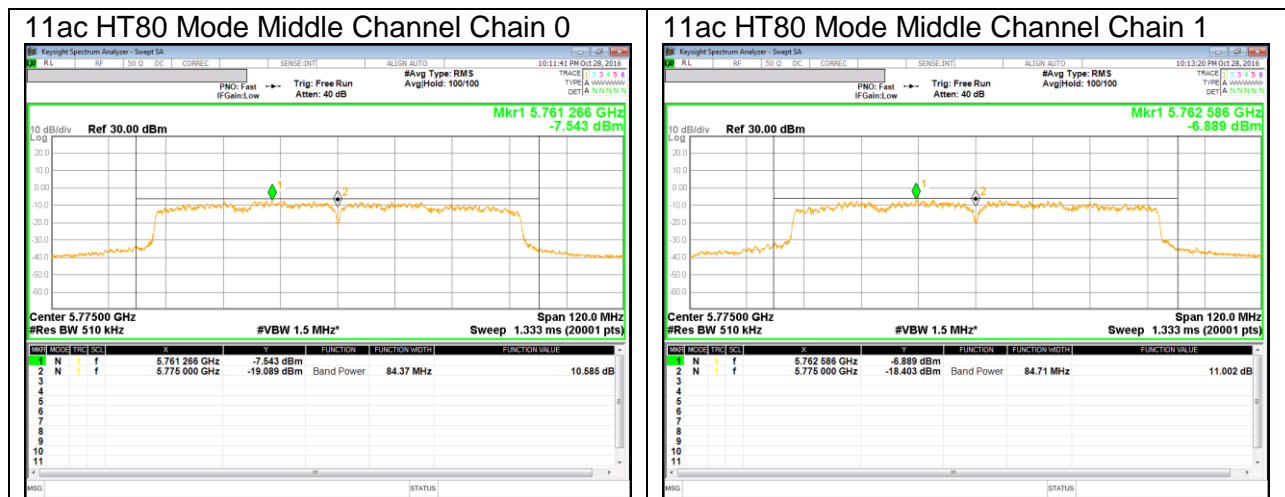
UNII 5.8 GHz IEEE 802.11n HT20 mode



UNII 5.8 GHz IEEE 802.11n HT40 mode



UNII 5.8 GHz IEEE 802.11ac VHT80 mode



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 v01r02 UNII part G) 6) c) Method AD:

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

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

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

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

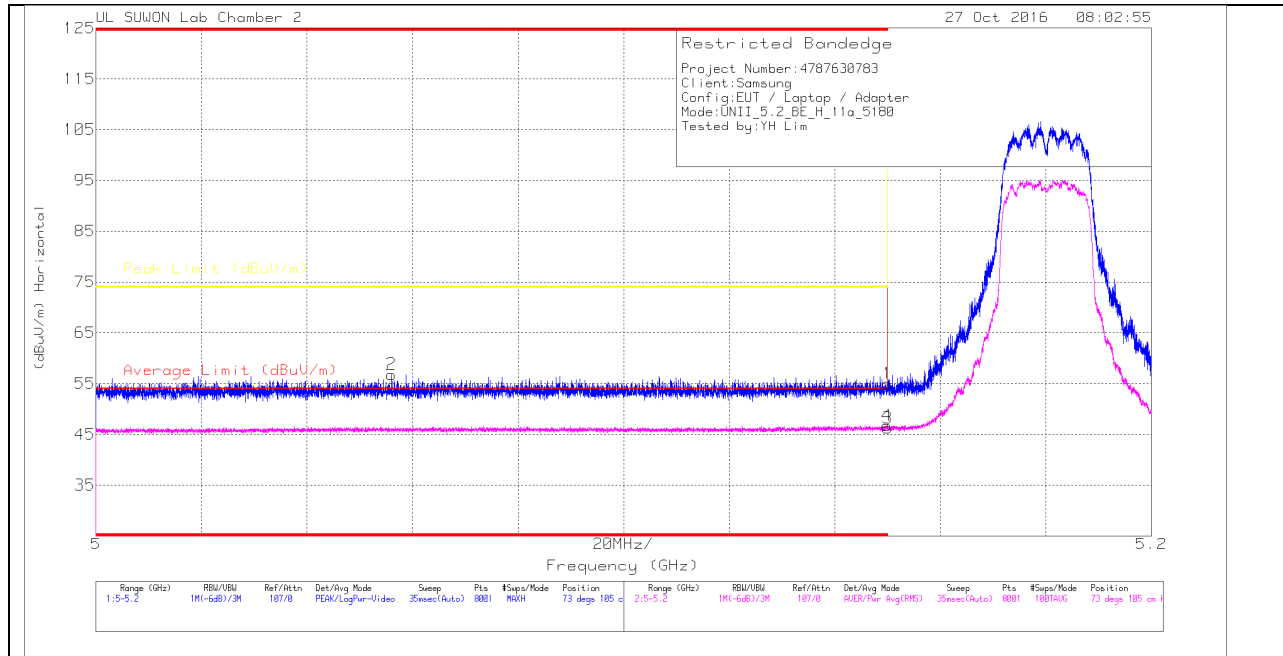
Note : Spurious emissions from 5.95GHz to 6GHz were generated by laptop PC.
Refer to the section 11.5, test result of stand alone condition of laptop PC.

11.1. 5.2 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

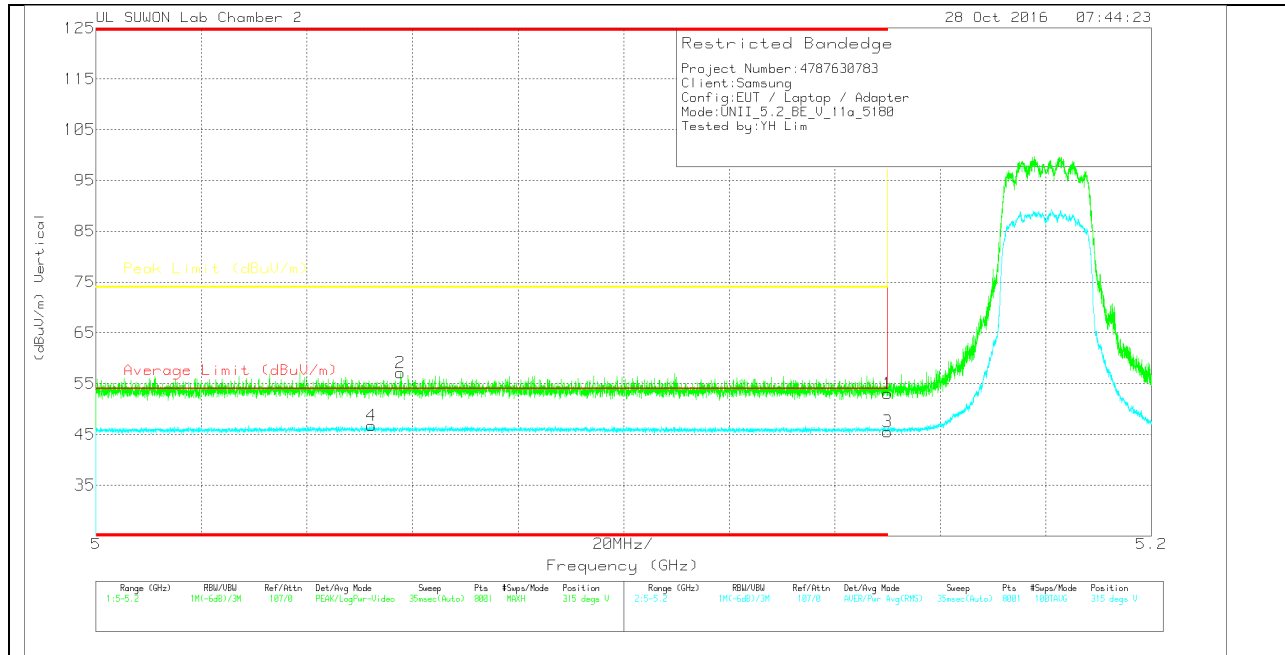
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.31	PK	34.1	-16.4	0	55.01	-	-	74	-18.99	73	105	H
2	* 5.056	39.12	PK	34	-16.3	0	56.82	-	-	74	-17.18	73	105	H
3	* 5.15	26.94	RMS	34.1	-16.4	1.66	46.3	54	-7.7	-	-	73	105	H
4	* 5.15	27.42	RMS	34.1	-16.4	1.66	46.78	54	-7.22	-	-	73	105	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 24)_150619	Path_2_10dB	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	35.32	Pk	34.1	-16.4	0	53.02	-	-	74	-20.98	315	371	V
2	* 5.058	39.46	Pk	34	-16.3	0	57.16	-	-	74	-16.84	315	371	V
3	* 5.15	26.2	RMS	34.1	-16.4	1.66	45.56	54	-8.44	-	-	315	371	V
4	* 5.052	27.37	RMS	34	-16.3	1.66	46.73	54	-7.27	-	-	315	371	V

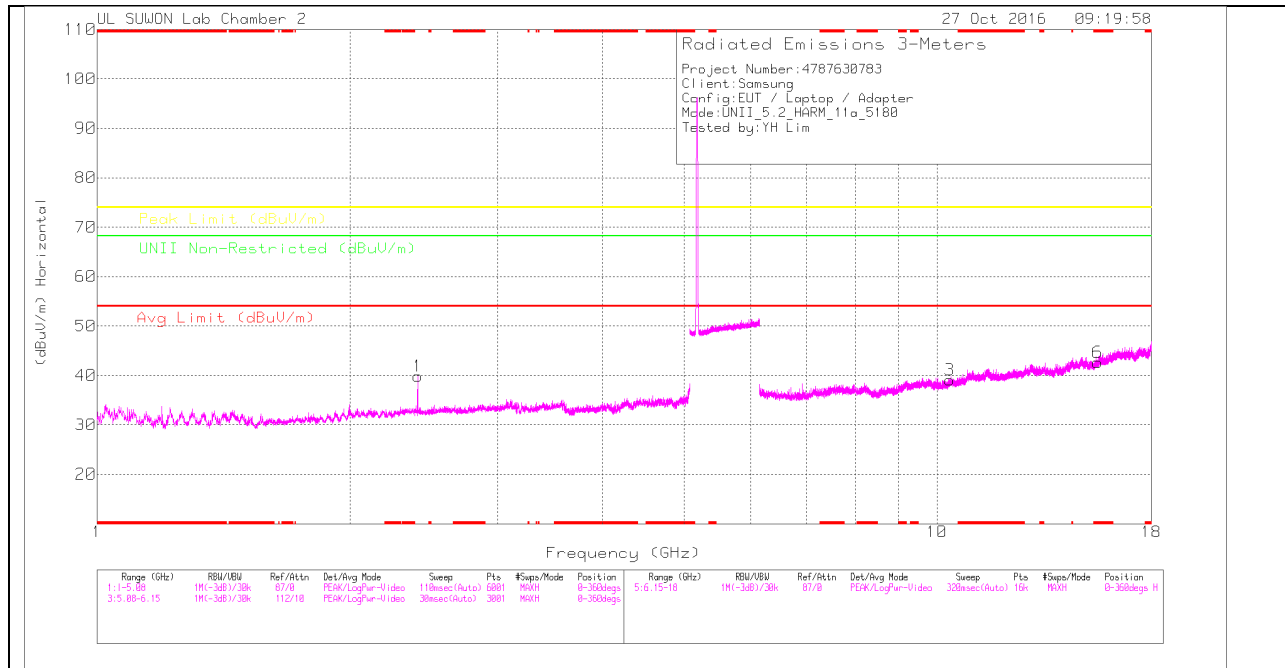
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

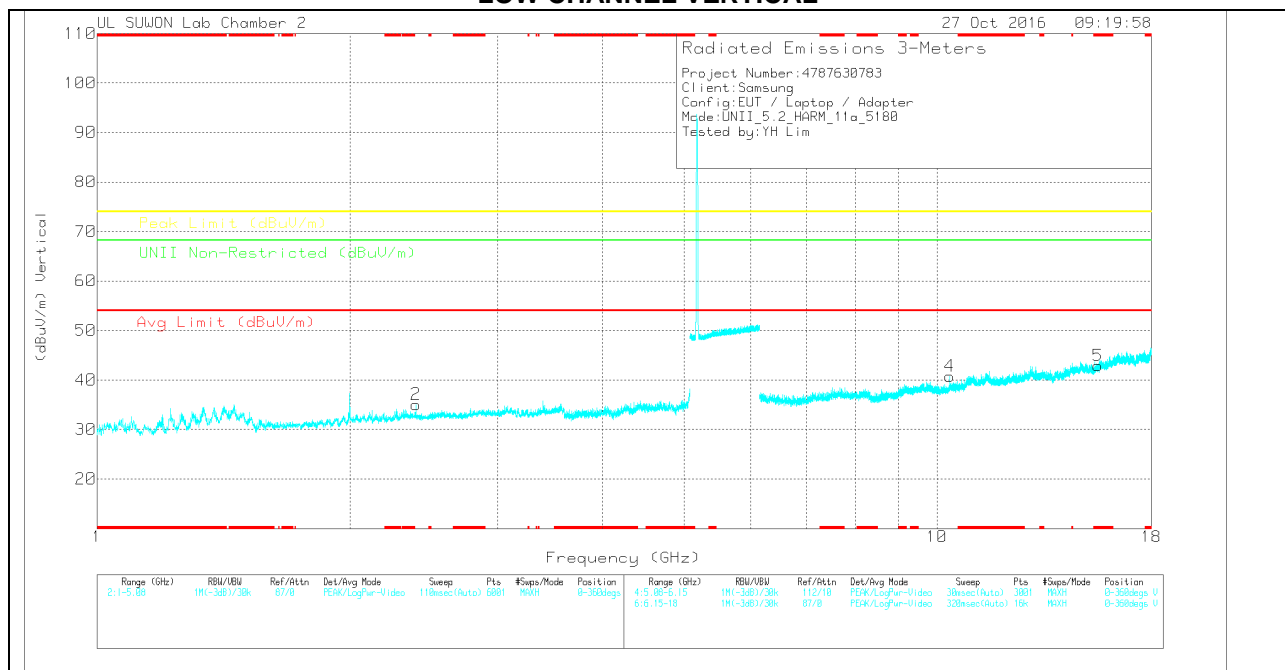
RMS - RMS detection

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

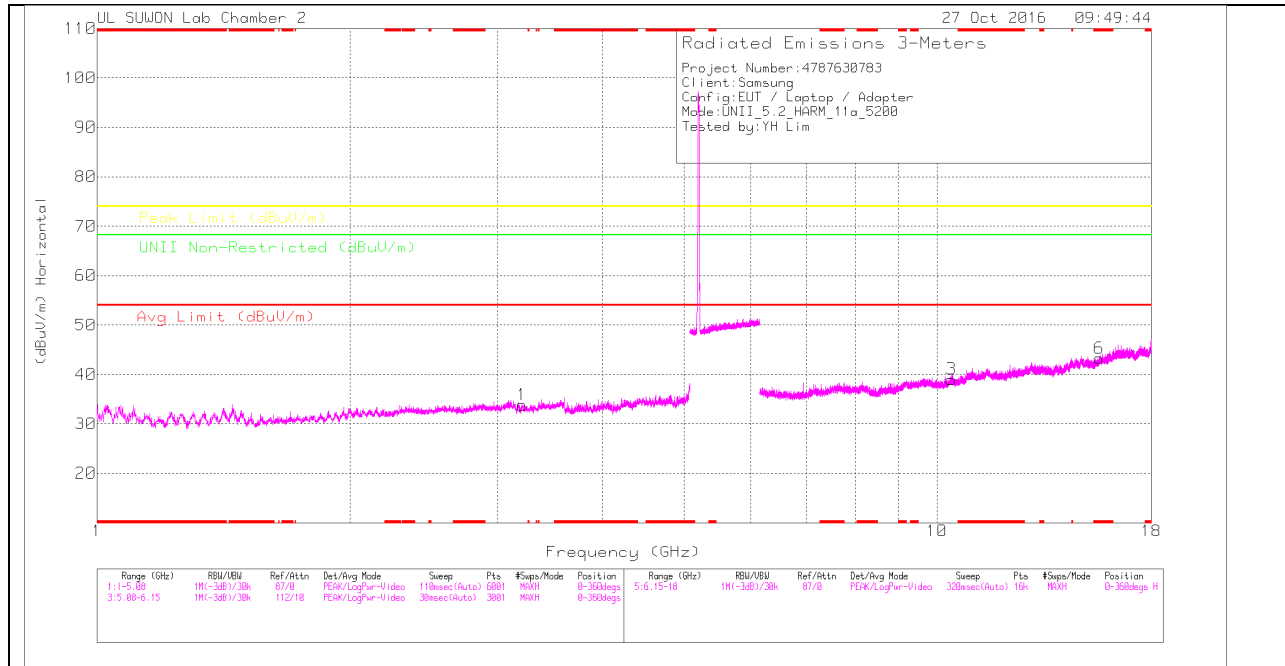
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.41	34.75	Pk	31.7	-26.6	0	39.85	-	-	-	-	68.2	-28.35	0-360	250	H
2	2.397	29.96	Pk	31.7	-26.6	0	35.06	-	-	-	-	68.2	-33.14	0-360	150	V
3	10.357	19.69	Pk	37.6	-18.2	0	39.09	-	-	-	-	68.2	-29.11	0-360	150	H
6	* 15.535	18.85	Pk	39.9	-16.1	0	42.65	-	-	74	-31.35	-	-	0-360	250	H
4	10.36	21.36	Pk	37.6	-18.2	0	40.76	-	-	-	-	68.2	-27.44	0-360	250	V
5	* 15.541	19.09	Pk	39.9	-16.1	0	42.89	-	-	74	-31.11	-	-	0-360	150	V

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

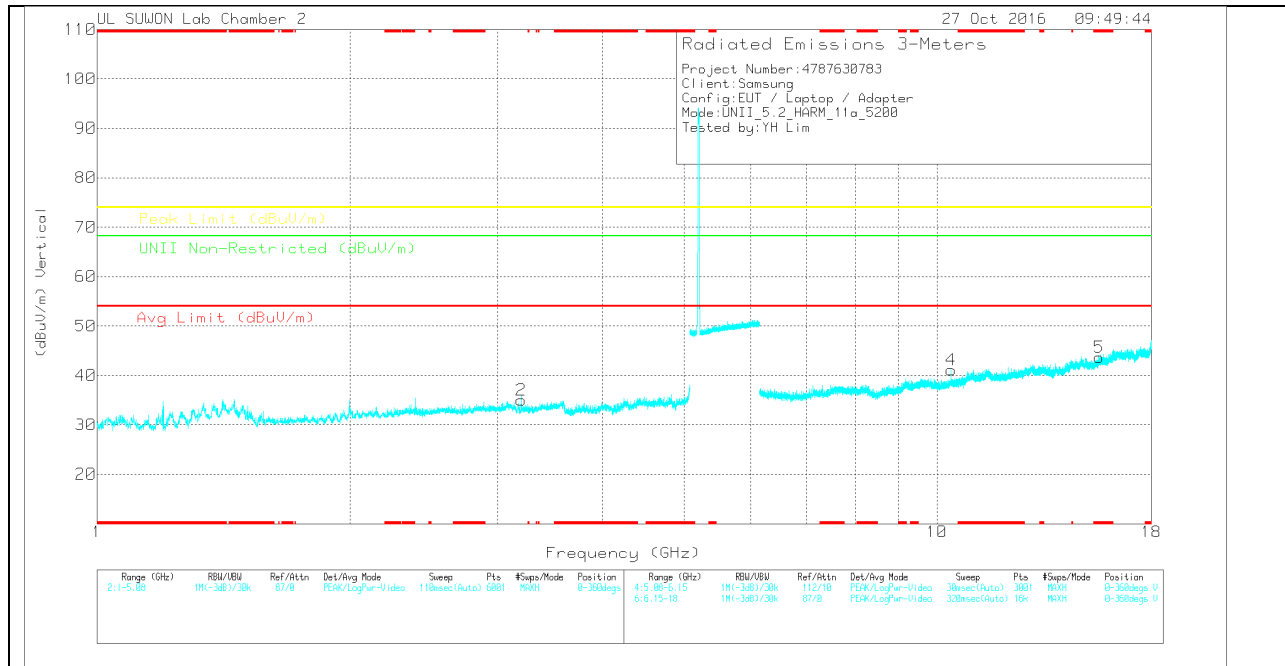
Pk – Peak detector

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

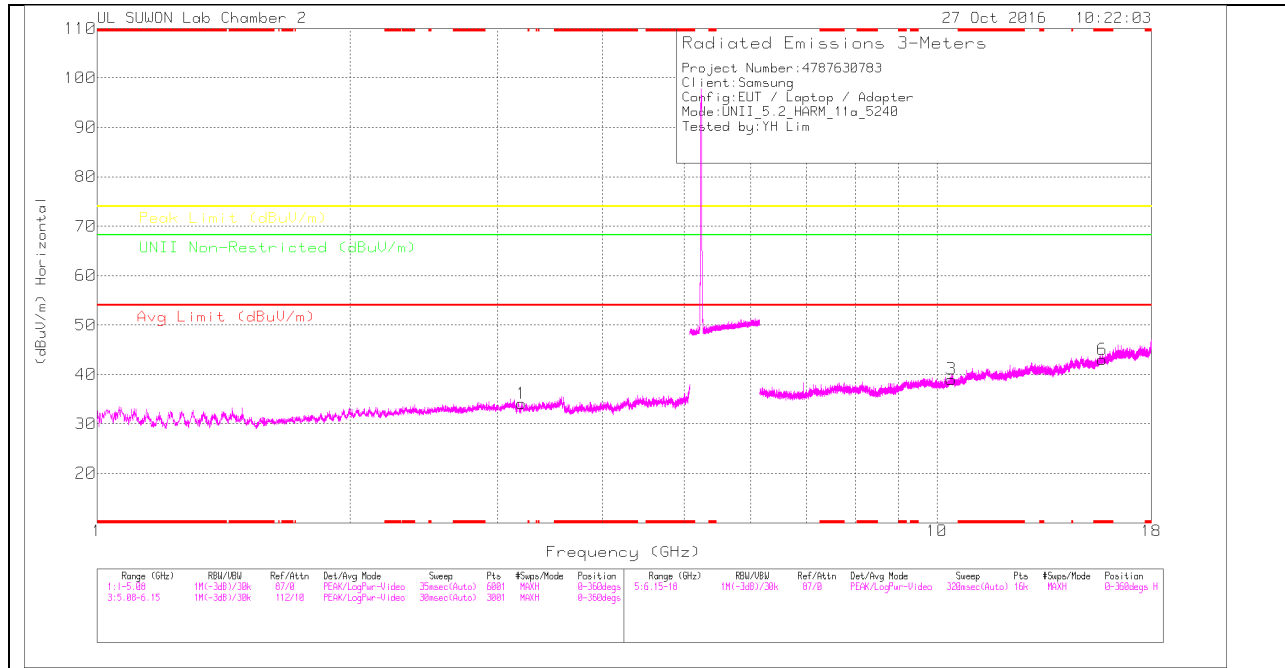
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.206	27.23	Pk	32.6	-26	0	33.83	-	-	-	-	68.2	-34.37	0-360	250	H
2	3.2	28.42	Pk	32.6	-26	0	35.02	-	-	-	-	68.2	-33.18	0-360	150	V
3	10.403	19.32	Pk	37.6	-17.9	0	39.02	-	-	-	-	68.2	-29.18	0-360	250	H
6	* 15.607	19.6	Pk	40	-16.3	0	43.3	-	-	74	-30.7	-	-	0-360	150	H
4	10.4	21.39	Pk	37.6	-17.9	0	41.09	-	-	-	-	68.2	-27.11	0-360	250	V
5	* 15.606	19.95	Pk	40	-16.3	0	43.65	-	-	74	-30.35	-	-	0-360	150	V

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

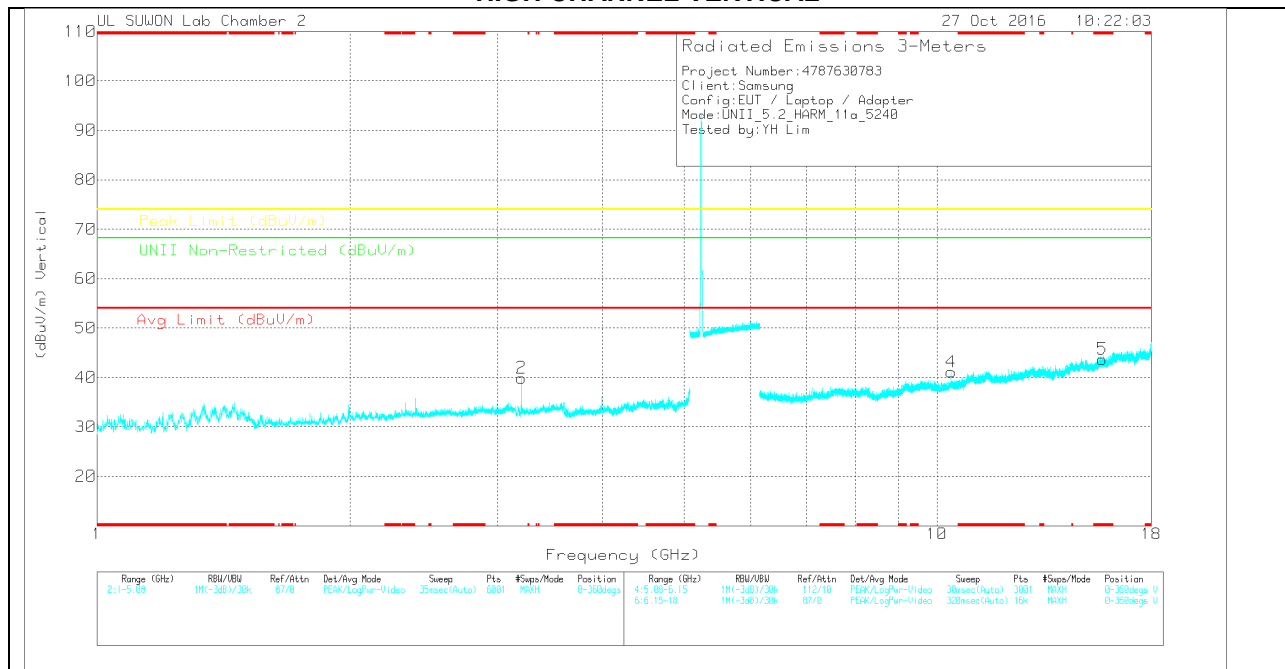
Pk – Peak detector

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	3117/00168 724_15061 9	Path_4	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	3.202	27.5	Pk		-26	0	34.1	-	-	-	-	68.2	-34.1	0-360	250	H
2	3.2	33.3	Pk		-26	0	39.9	-	-	-	-	68.2	-28.3	0-360	250	V
3	10.403	19.32	Pk		-17.9	0	39.02	-	-	-	-	68.2	-29.18	0-360	250	H
6	* 15.741	19.44	Pk		-16.6	0	43.04	-	-	74	-30.96	-	-	0-360	250	H
4	10.4	21.39	Pk		-17.9	0	41.09	-	-	-	-	68.2	-27.11	0-360	250	V
5	* 15.738	20.12	Pk		-16.6	0	43.72	-	-	74	-30.28	-	-	0-360	150	V

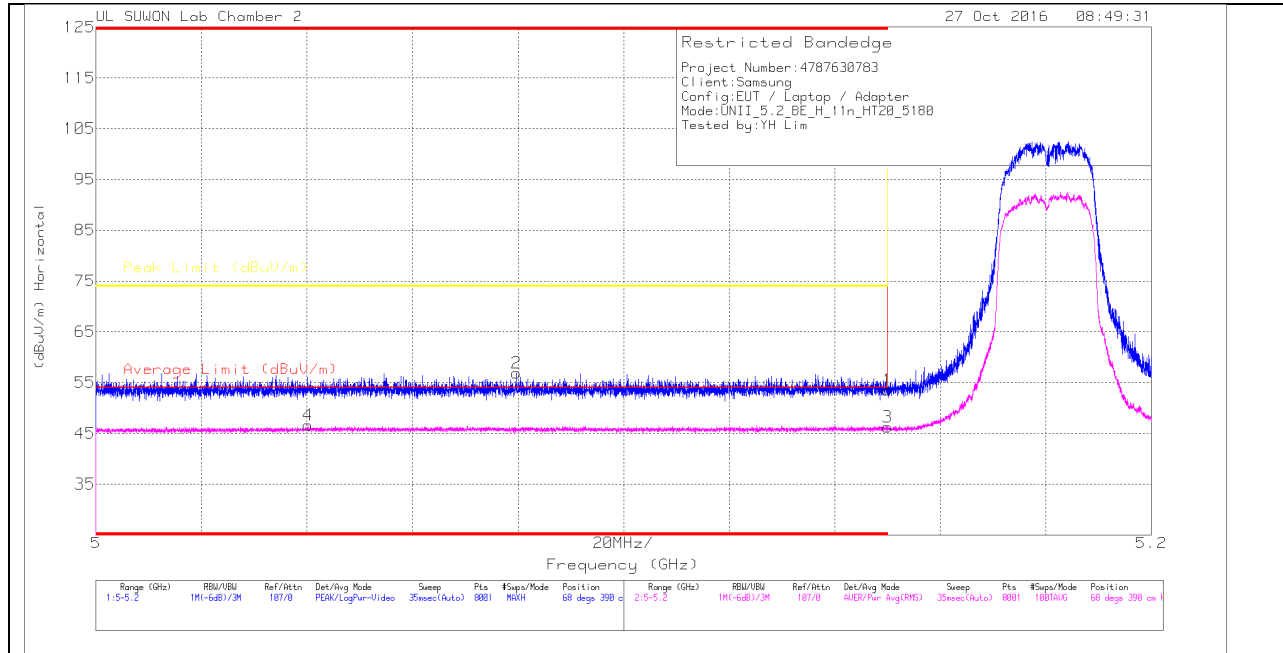
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 2TX CDD MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

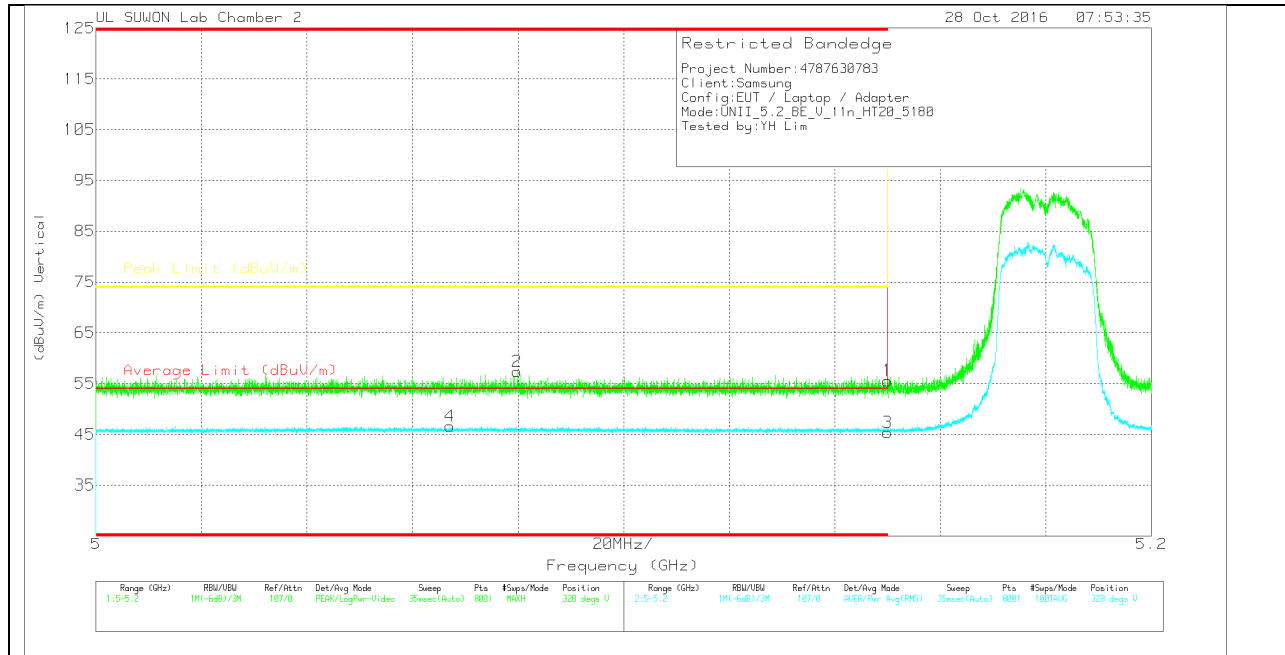
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	35.82	PK	34.1	-16.4	0	53.52	-	-	74	-20.48	68	390	H
2	* 5.08	39.16	PK	34	-16.3	0	56.86	-	-	74	-17.14	68	390	H
3	* 5.15	26.88	RMS	34.1	-16.4	1.65	46.23	54	-7.77	-	-	68	390	H
4	* 5.04	27.32	RMS	34	-16.3	1.65	46.67	54	-7.33	-	-	68	390	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.88	PK	34.1	-16.4	0	55.58	-	-	74	-18.42	328	380	V
2	* 5.08	39.67	PK	34	-16.3	0	57.37	-	-	74	-16.63	328	380	V
3	* 5.15	26.01	RMS	34.1	-16.4	1.65	45.36	54	-8.64	-	-	328	380	V
4	* 5.067	27.22	RMS	34	-16.3	1.65	46.57	54	-7.43	-	-	328	380	V

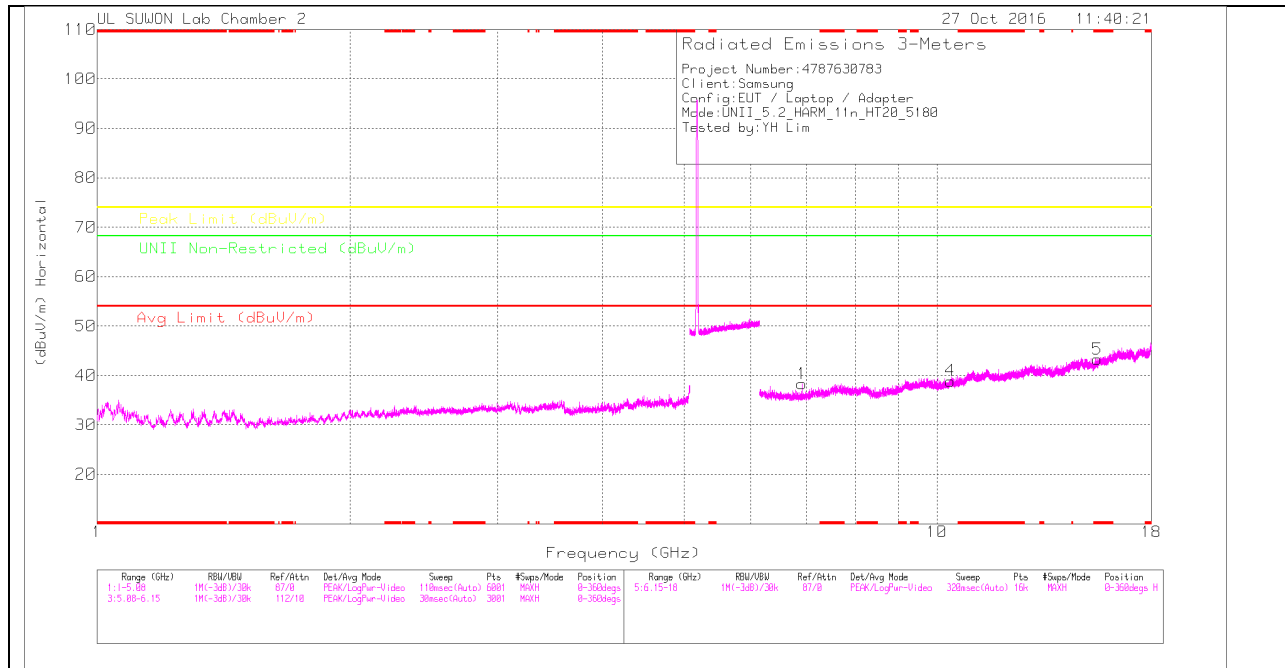
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

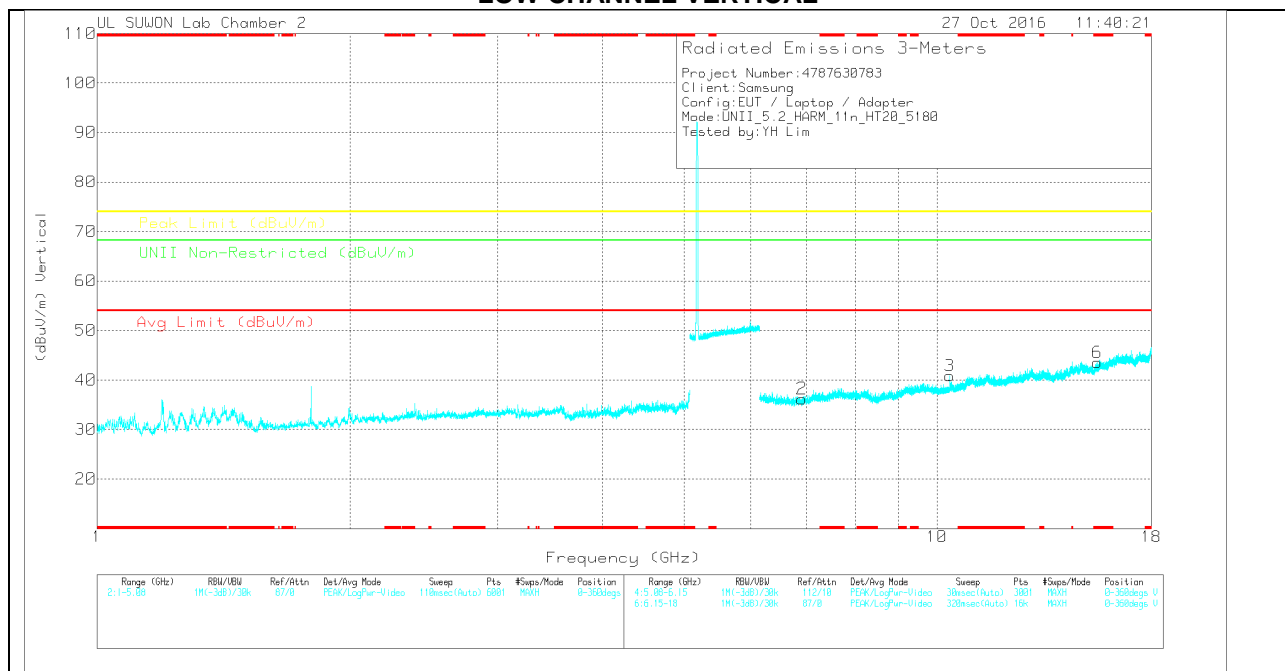
RMS - RMS detection

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

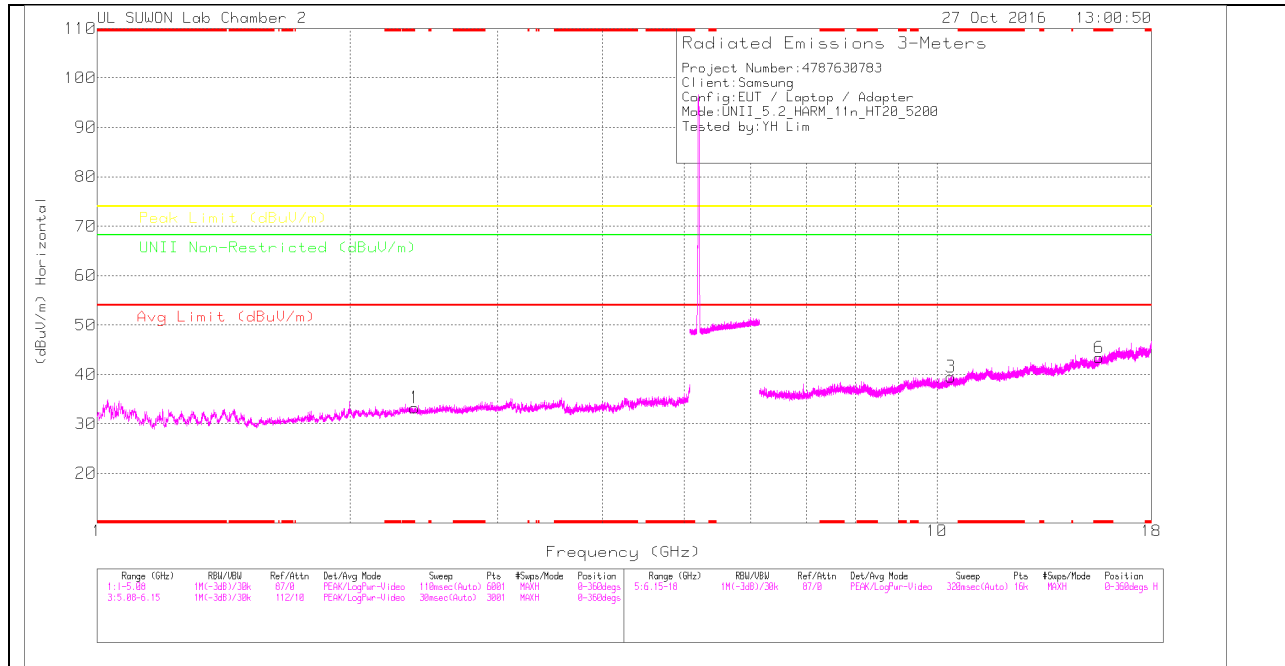
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.907	25.79	PK	35.5	-23	0	38.29	-	-	-	-	68.2	-29.91	0-360	150	H
4	10.368	19.4	PK	37.6	-18.1	0	38.9	-	-	-	-	68.2	-29.3	0-360	150	H
5	* 15.526	19.46	PK	39.9	-16.1	0	43.26	-	-	74	-30.74	-	-	0-360	250	H
2	6.907	23.71	PK	35.5	-23	0	36.21	-	-	-	-	68.2	-31.99	0-360	250	V
3	10.36	21.48	PK	37.6	-18.2	0	40.88	-	-	-	-	68.2	-27.32	0-360	250	V
6	* 15.52	19.74	PK	39.9	-16.1	0	43.54	-	-	74	-30.46	-	-	0-360	150	V

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

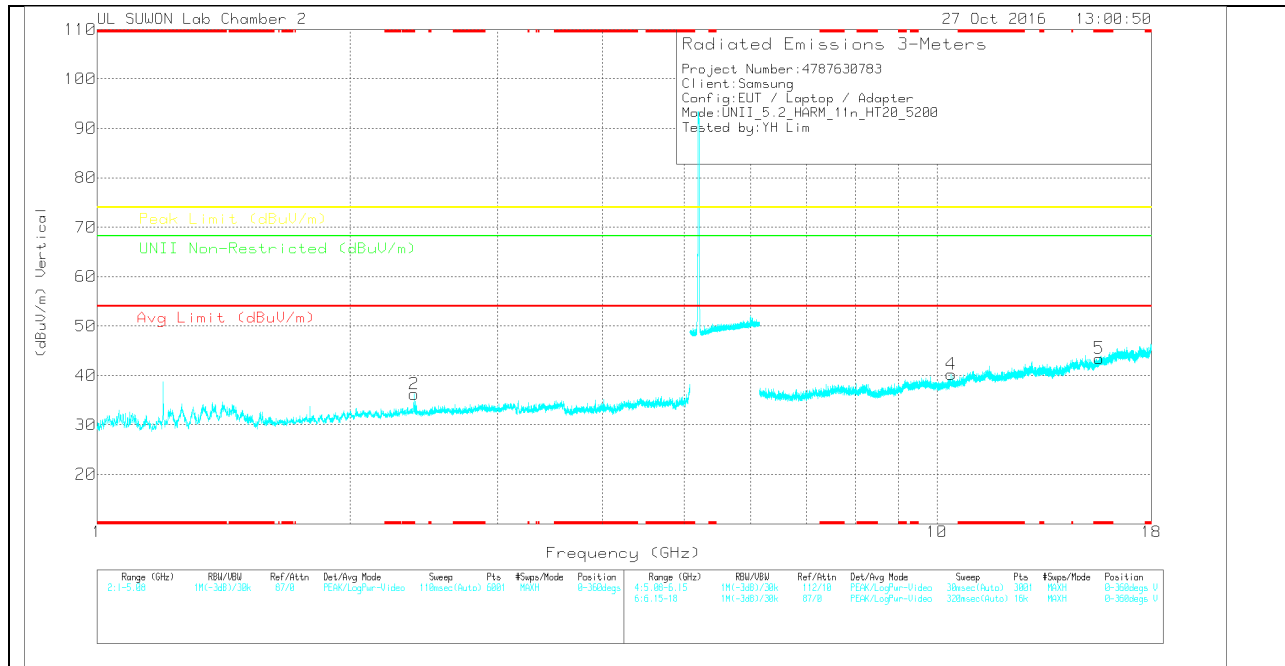
PK – Peak detector

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

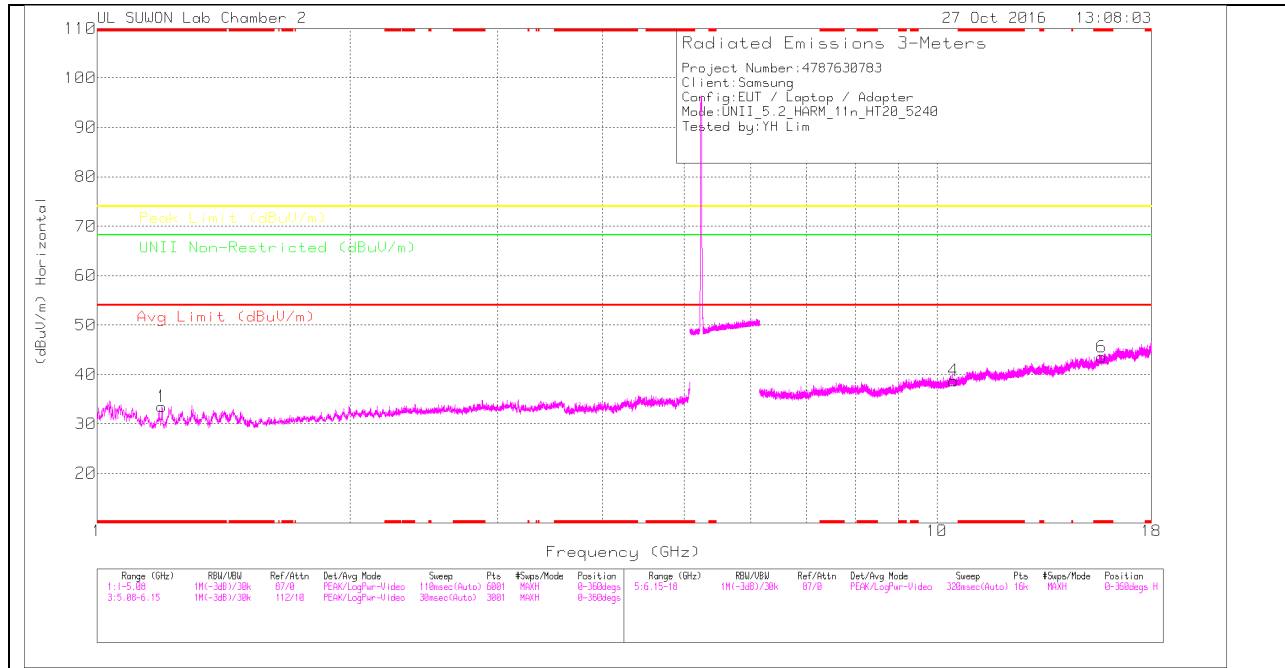
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.389	28.28	Pk	31.7	-26.7	0	33.28	-	-	74	-40.72	-	-	0-360	250	H
2	* 2.386	31.24	Pk	31.7	-26.7	0	36.24	-	-	74	-37.76	-	-	0-360	150	V
3	10.399	19.81	Pk	37.6	-17.9	0	39.51	-	-	-	-	68.2	-28.69	0-360	250	H
6	* 15.609	19.68	Pk	40	-16.3	0	43.38	-	-	74	-30.62	-	-	0-360	150	H
4	10.4	20.57	Pk	37.6	-17.9	0	40.27	-	-	-	-	68.2	-27.93	0-360	250	V
5	* 15.609	19.75	Pk	40	-16.3	0	43.45	-	-	74	-30.55	-	-	0-360	250	V

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

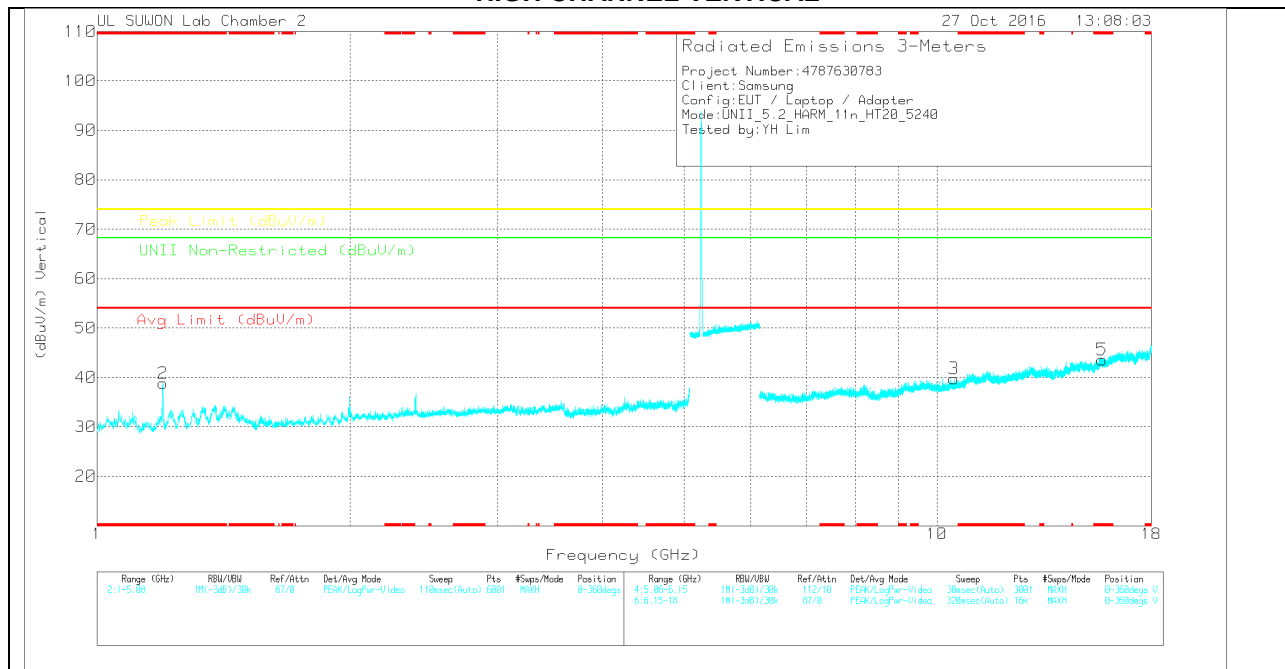
Pk – Peak detector

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(0016 8724)_150 619	Path_4	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	* 1.194	33.11	Pk	28.3	-27.9	0	33.51	-	-	74	-40.49	-	-	0-360	150	H
2	* 1.198	38.4	Pk	28.3	-27.9	0	38.8	-	-	74	-35.2	-	-	0-360	250	V
4	10.471	18.83	Pk	37.7	-17.8	0	38.73	-	-	-	-	68.2	-29.47	0-360	250	H
6	* 15.715	19.94	Pk	40.1	-16.5	0	43.54	-	-	74	-30.46	-	-	0-360	150	H
3	10.475	19.95	Pk	37.7	-17.9	0	39.75	-	-	-	-	68.2	-28.45	0-360	250	V
5	* 15.723	19.99	Pk	40.2	-16.6	0	43.59	-	-	74	-30.41	-	-	0-360	150	V

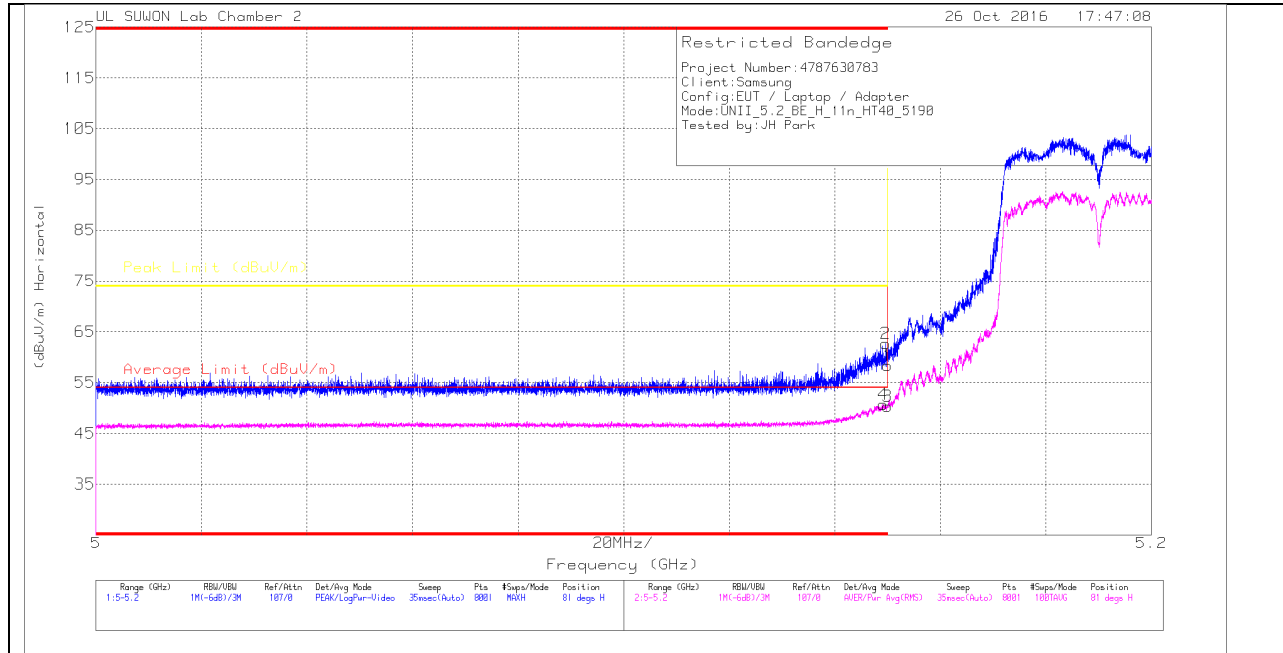
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 802.11n HT40 2TX CDD MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

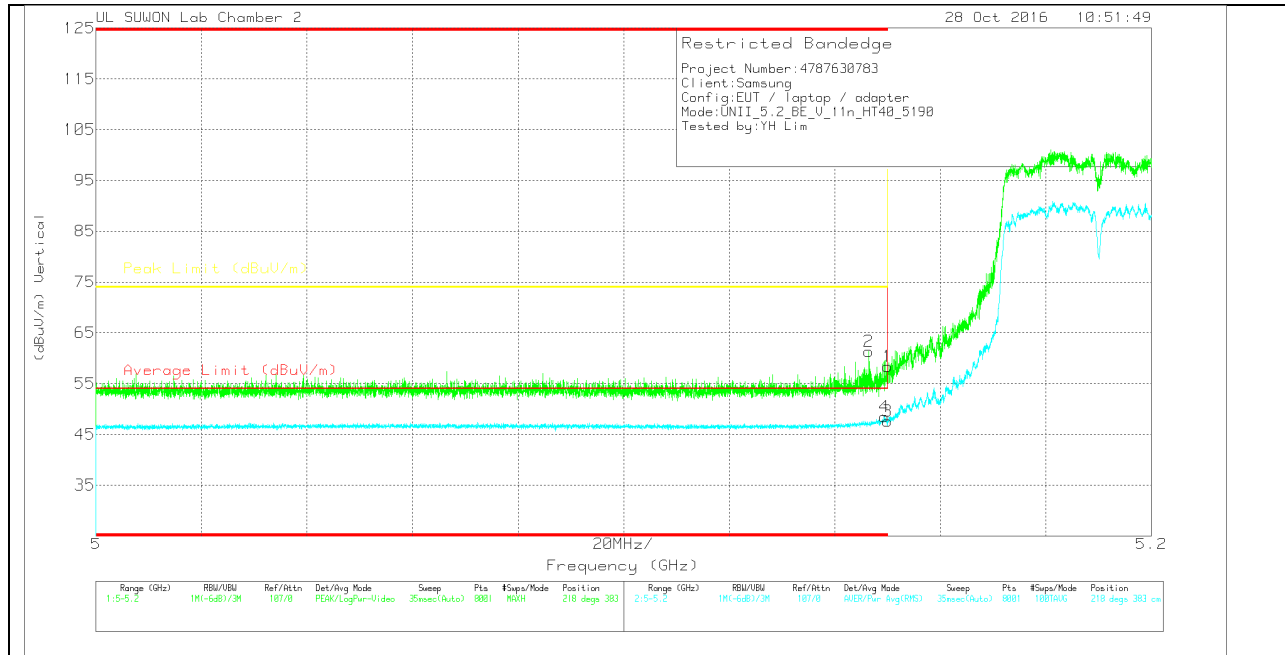
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.65	PK	34.1	-16.4	0	58.35	-	-	74	-15.65	81	112	H
2	* 5.15	44.98	PK	34.1	-16.4	0	62.68	-	-	74	-11.32	81	112	H
3	* 5.15	30.07	RMS	34.1	-16.4	2.53	50.3	54	-3.7	-	-	81	112	H
4	* 5.149	30.47	RMS	34.1	-16.4	2.53	50.7	54	-3.3	-	-	81	112	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.68	PK	34.1	-16.4	0	58.38	-	-	74	-15.62	218	383	V
2	* 5.146	43.68	PK	34.1	-16.4	0	61.38	-	-	74	-12.62	218	383	V
3	* 5.15	27.33	RMS	34.1	-16.4	2.53	47.56	54	-6.44	-	-	218	383	V
4	* 5.149	28.26	RMS	34.1	-16.4	2.53	48.49	54	-5.51	-	-	218	383	V

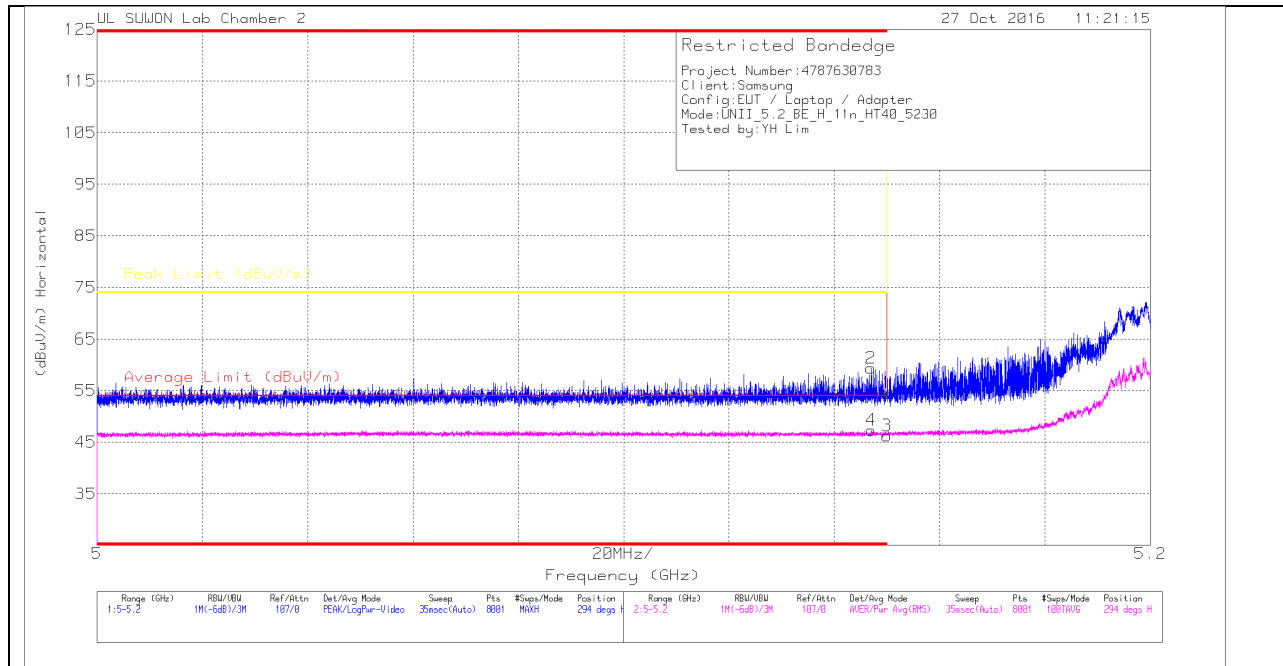
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

RESTRICTED BANDEGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

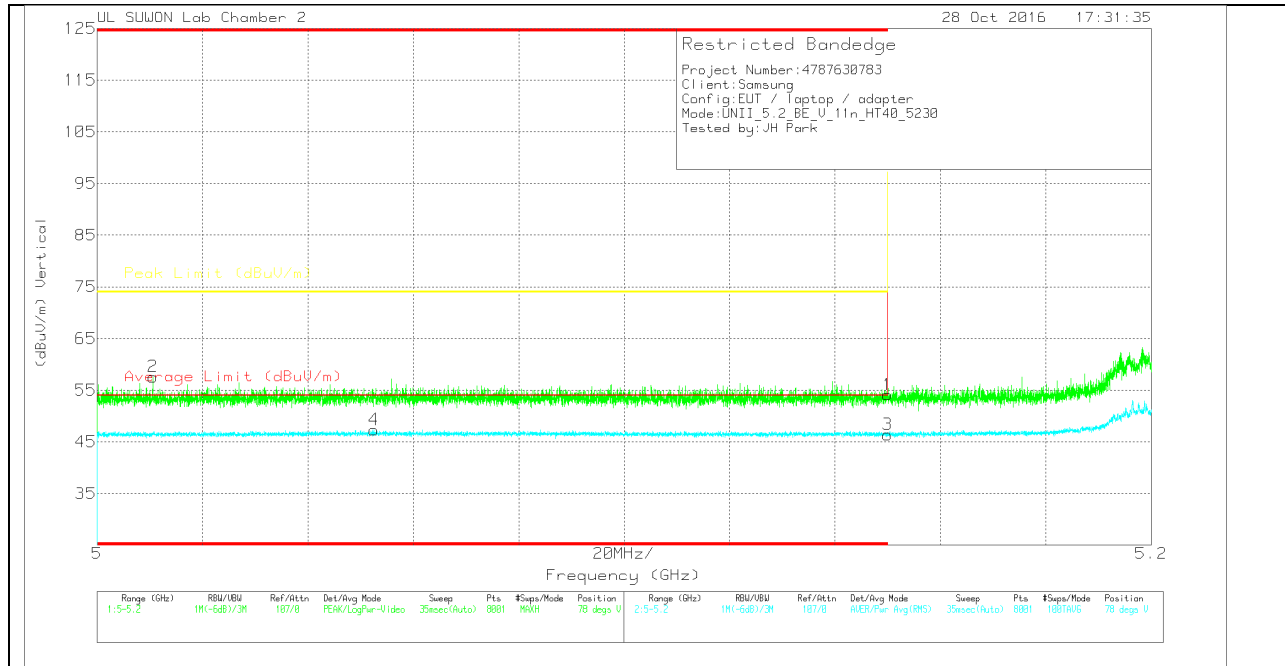
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.86	Pk	34.1	-16.4	0	54.56	-	-	74	-19.44	294	123	H
2	* 5.147	41.67	PK	34.1	-16.4	0	59.37	-	-	74	-14.63	294	123	H
3	* 5.15	26.03	RMS	34.1	-16.4	2.53	46.26	54	-7.74	-	-	294	123	H
4	* 5.147	27.12	RMS	34.1	-16.4	2.53	47.35	54	-6.65	-	-	294	123	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.43	Pk	34.1	-16.4	0	54.13	-	-	74	-19.87	78	106	V
2	* 5.011	39.9	Pk	34	-16.3	0	57.6	-	-	74	-16.4	78	106	V
3	* 5.15	26.18	RMS	34.1	-16.4	2.53	46.41	54	-7.59	-	-	78	106	V
4	* 5.053	27.11	RMS	34	-16.3	2.53	47.34	54	-6.66	-	-	78	106	V

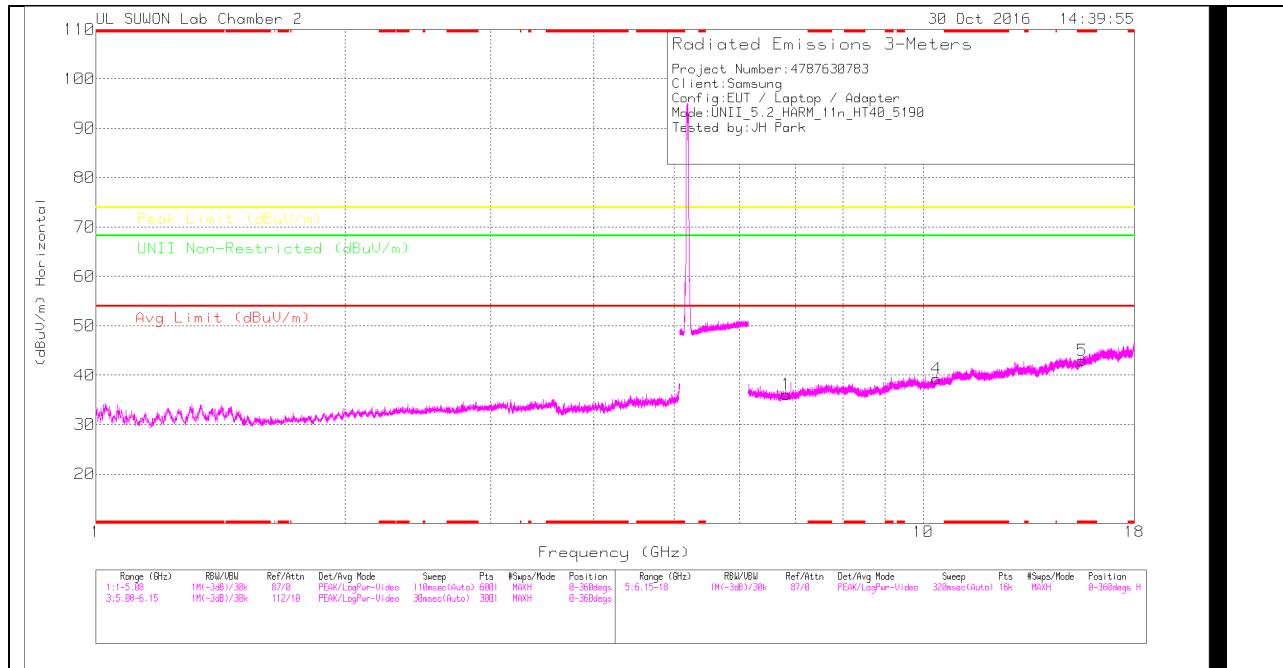
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

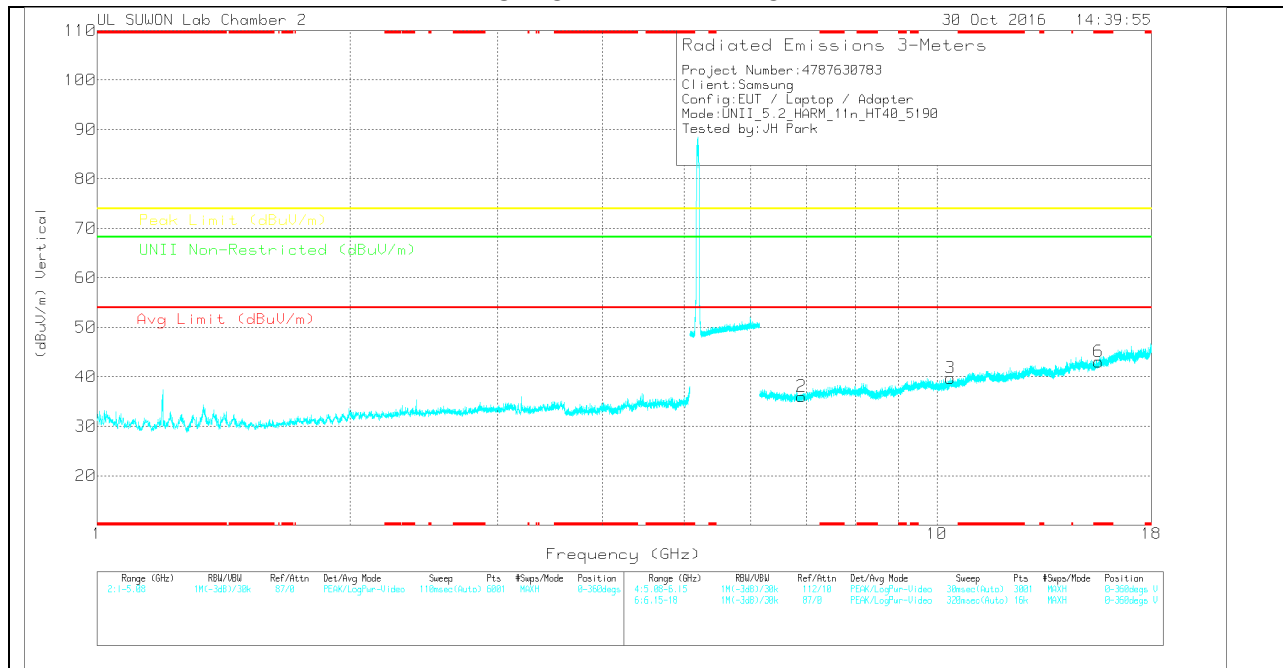
RMS - RMS detection

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

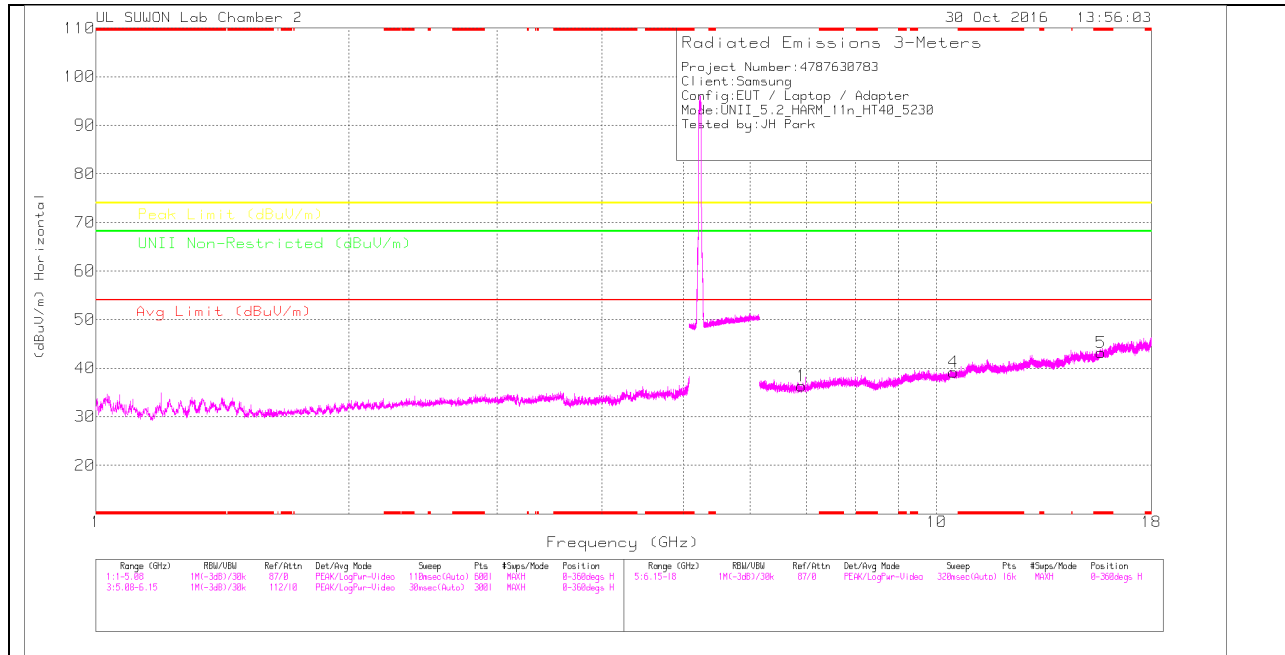
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.834	23.78	PK	35.4	-23.1	0	36.08	-	-	-	-	68.2	-32.12	0-360	250	H
4	10.375	19.7	PK	37.6	-18	0	39.3	-	-	-	-	68.2	-28.9	0-360	150	H
5	* 15.572	19.15	PK	40	-16.2	0	42.95	-	-	74	-31.05	-	-	0-360	150	H
2	6.902	23.5	PK	35.5	-23	0	36	-	-	-	-	68.2	-32.2	0-360	150	V
3	10.381	20.14	PK	37.6	-18	0	39.74	-	-	-	-	68.2	-28.46	0-360	250	V
6	* 15.572	19.25	PK	40	-16.2	0	43.05	-	-	74	-30.95	-	-	0-360	250	V

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

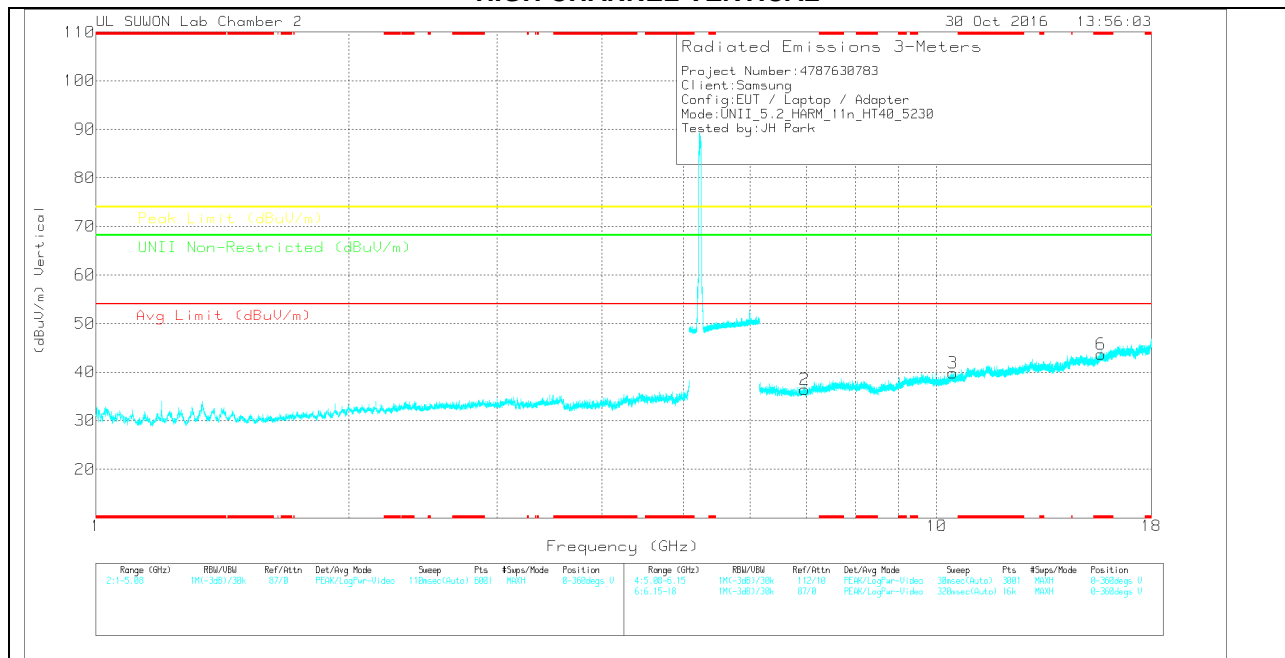
PK – Peak Detector

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 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.908	23.69	PK	35.5	-22.9	0	36.29	-	-	-	-	68.2	-31.91	0-360	150	H
4	10.464	19.25	PK	37.7	-17.8	0	39.15	-	-	-	-	68.2	-29.05	0-360	150	H
5	* 15.688	19.63	PK	40.1	-16.5	0	43.23	-	-	74	-30.77	-	-	0-360	150	H
2	6.965	23.11	PK	35.5	-22.2	0	36.41	-	-	-	-	68.2	-31.79	0-360	250	V
3	10.46	19.89	PK	37.7	-17.8	0	39.79	-	-	-	-	68.2	-28.41	0-360	150	V
6	* 15.689	20.12	PK	40.1	-16.5	0	43.72	-	-	74	-30.28	-	-	0-360	250	V

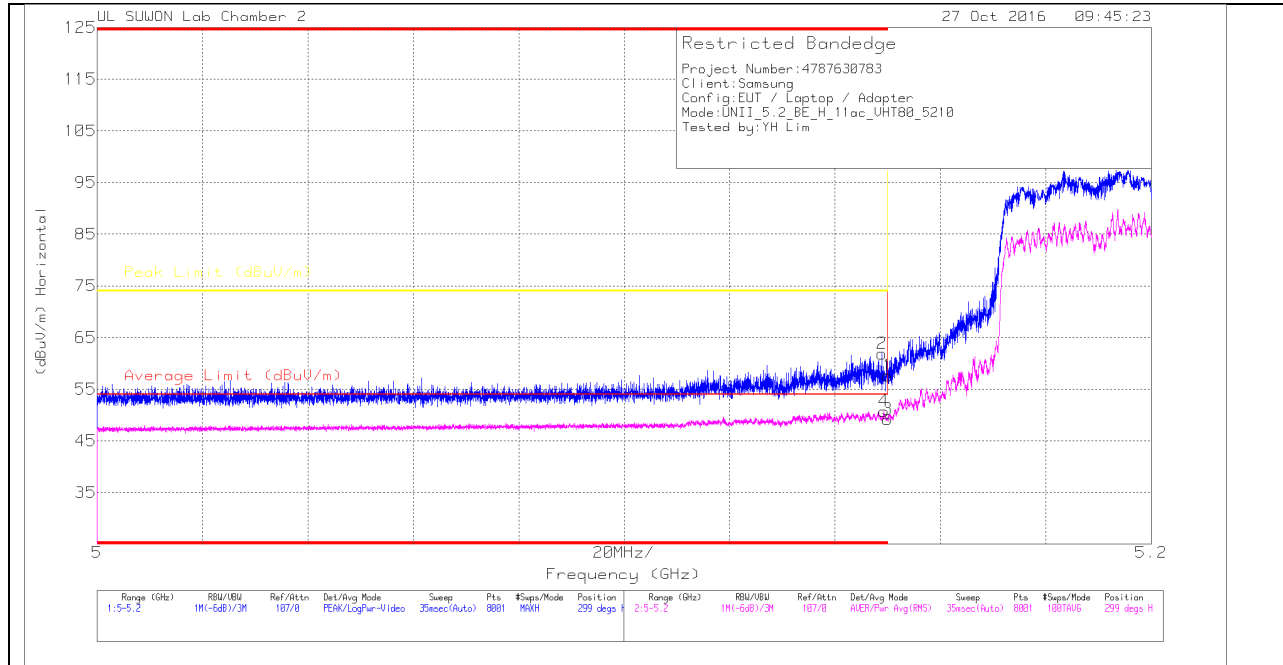
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 802.11ac VHT80 2TX CDD MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (MID CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

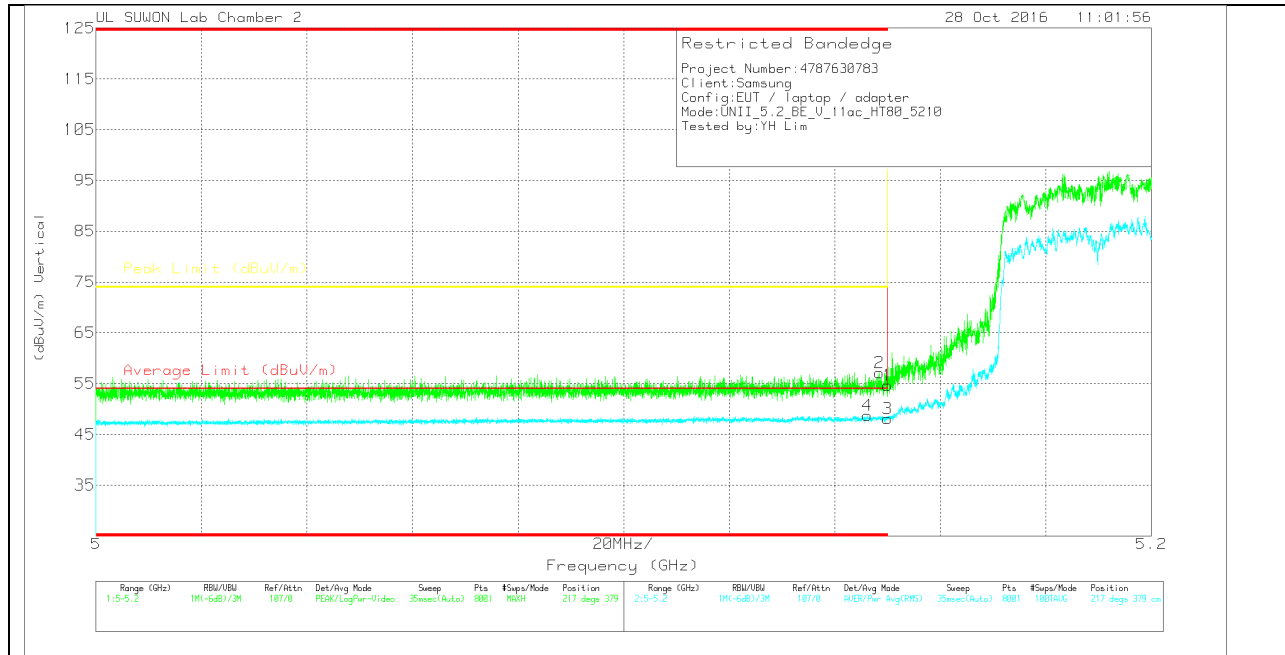
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.91	PK	34.1	-16.4	0	57.61	-	-	74	-16.39	299	116	H
2	* 5.149	44.18	PK	34.1	-16.4	0	61.88	-	-	74	-12.12	299	116	H
3	* 5.15	28.15	RMS	34.1	-16.4	3.34	49.19	54	-4.81	-	-	299	116	H
4	* 5.149	29.71	RMS	34.1	-16.4	3.34	50.75	54	-3.25	-	-	299	116	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.96	Pk	34.1	-16.4	0	54.66	-	-	74	-19.34	217	379	V
2	* 5.149	39.45	Pk	34.1	-16.4	0	57.15	-	-	74	-16.85	217	379	V
3	* 5.15	27.04	RMS	34.1	-16.4	3.34	48.08	54	-5.92	-	-	217	379	V
4	* 5.146	27.7	RMS	34.1	-16.4	3.34	48.74	54	-5.26	-	-	217	379	V

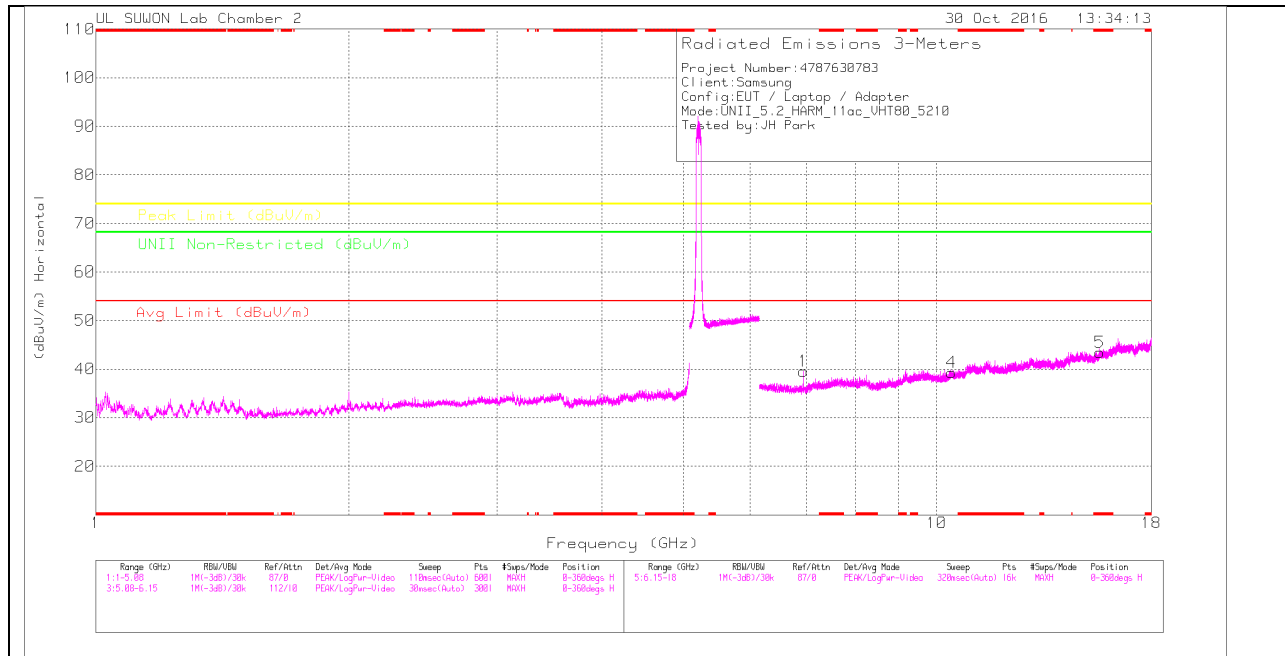
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

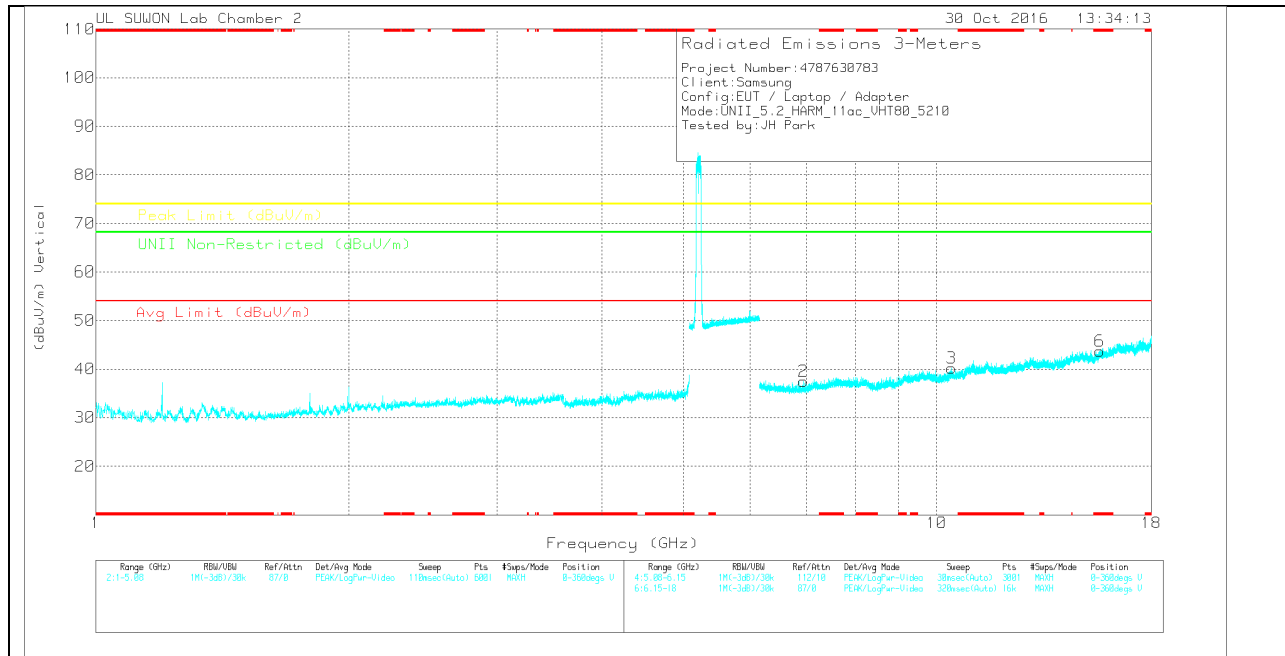
RMS - RMS detection

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 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.946	26.47	PK	35.5	-22.4	0	39.57	-	-	-	-	68.2	-28.63	0-360	150	H
4	10.42	19.54	PK	37.6	-17.8	0	39.34	-	-	-	-	68.2	-28.86	0-360	250	H
5	* 15.629	19.82	PK	40	-16.4	0	43.42	-	-	74	-30.58	-	-	0-360	150	H
2	6.946	24.43	PK	35.5	-22.4	0	37.53	-	-	-	-	68.2	-30.67	0-360	250	V
3	10.42	20.41	PK	37.6	-17.8	0	40.21	-	-	-	-	68.2	-27.99	0-360	150	V
6	* 15.631	20.05	PK	40	-16.4	0	43.65	-	-	74	-30.35	-	-	0-360	250	V

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

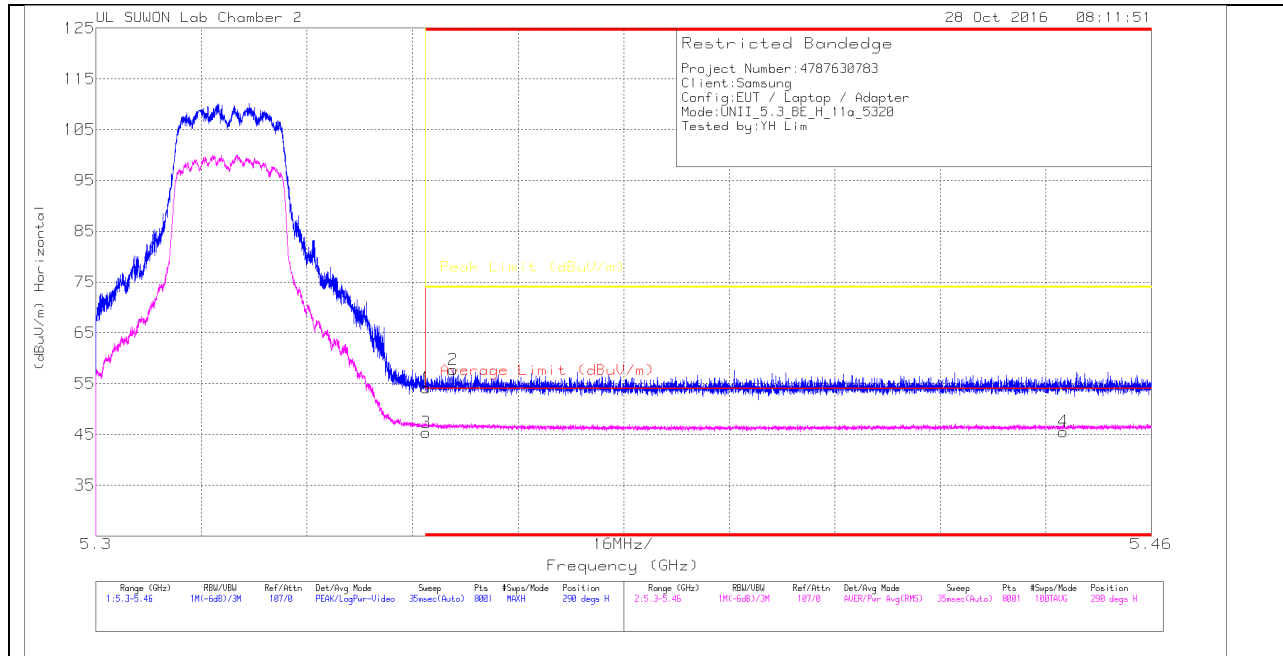
PK – Peak Detector

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

11.2. 5.3 GHz

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

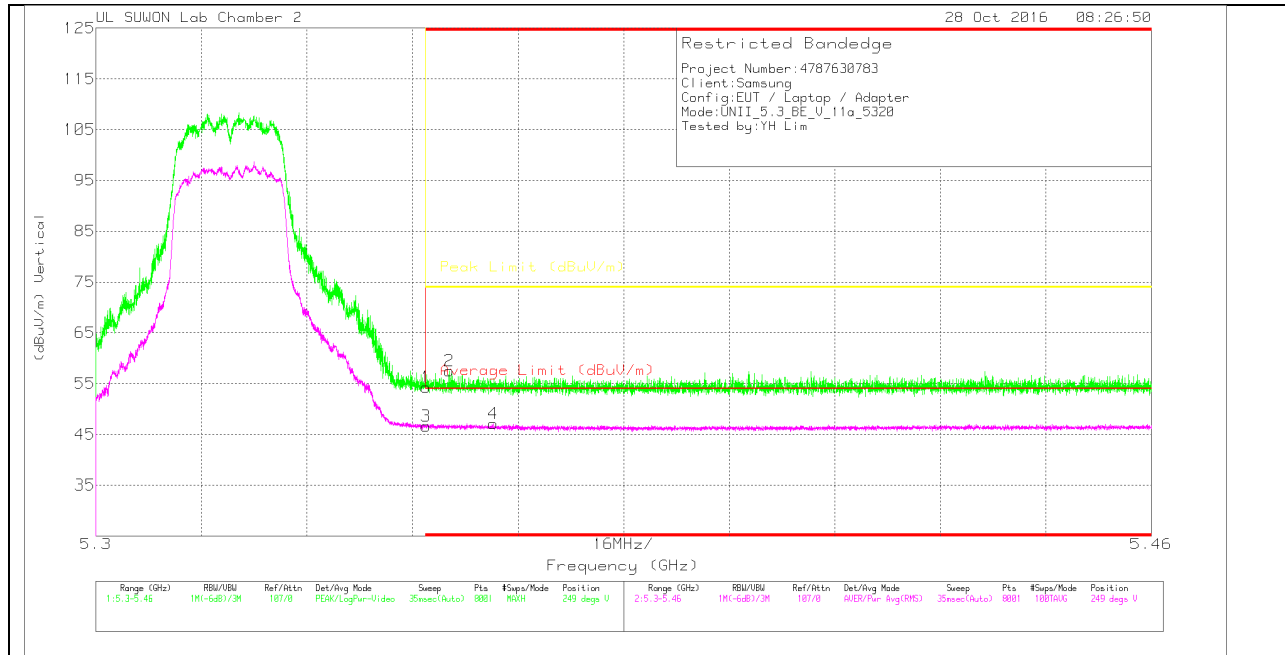
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.1	Pk	34.4	-16.3	0	54.2	-	-	74	-19.8	290	100	H
2	* 5.354	39.67	Pk	34.4	-16.3	0	57.77	-	-	74	-16.23	290	100	H
3	* 5.35	27.24	RMS	34.4	-16.3	1.66	47	54	-7	-	-	290	100	H
4	* 5.447	27.26	RMS	34.5	-16.2	1.66	47.22	54	-6.78	-	-	290	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.15	Pk	34.4	-16.3	0	54.25	-	-	74	-19.75	249	398	V
2	* 5.354	39.4	Pk	34.4	-16.3	0	57.5	-	-	74	-16.5	249	398	V
3	* 5.35	26.9	RMS	34.4	-16.3	1.66	46.66	54	-7.34	-	-	249	398	V
4	* 5.36	27.39	RMS	34.4	-16.3	1.66	47.15	54	-6.85	-	-	249	398	V

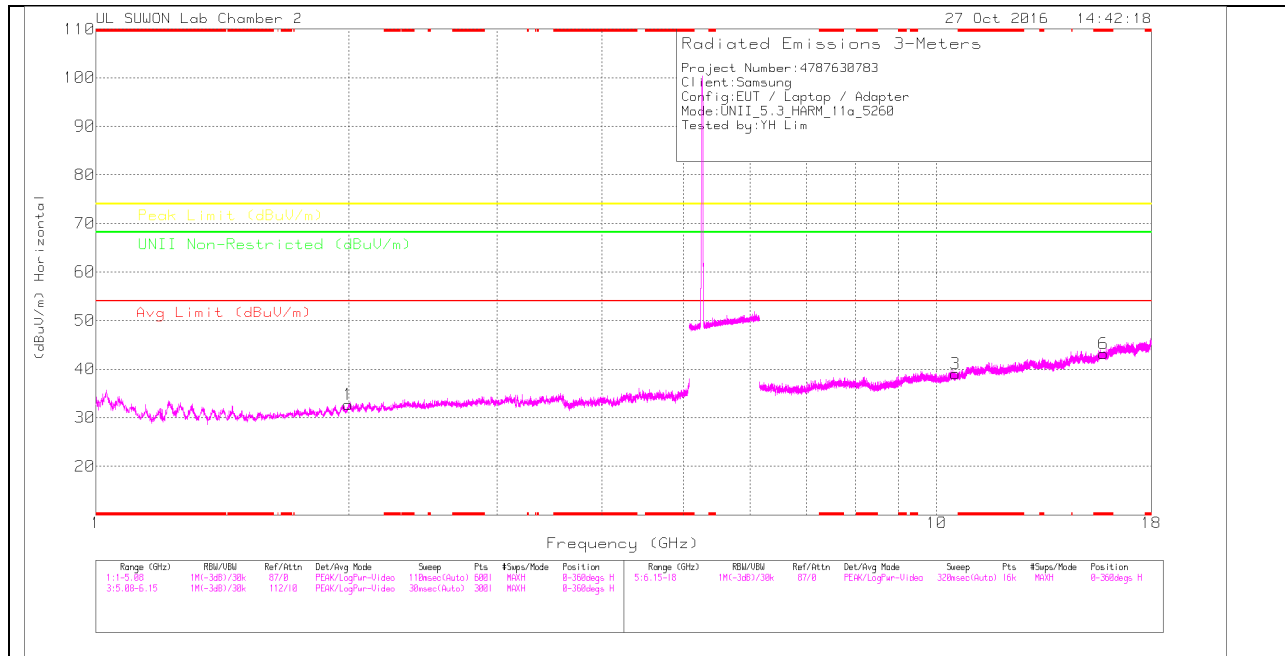
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

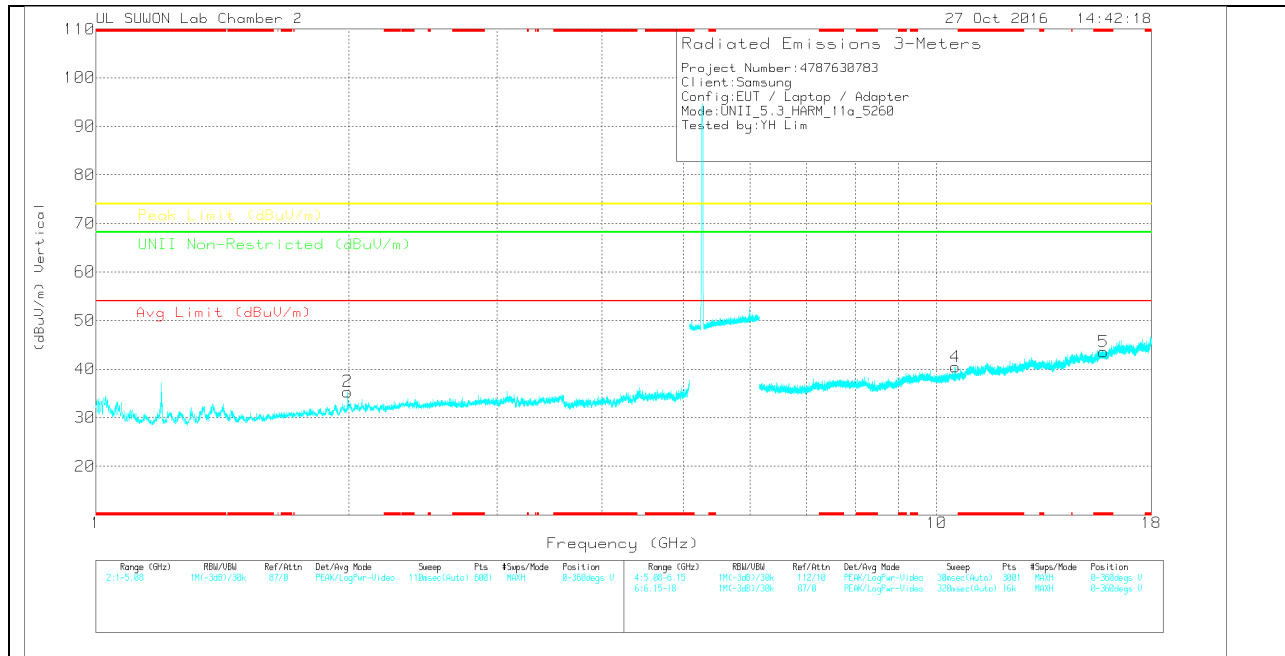
RMS - RMS detection

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

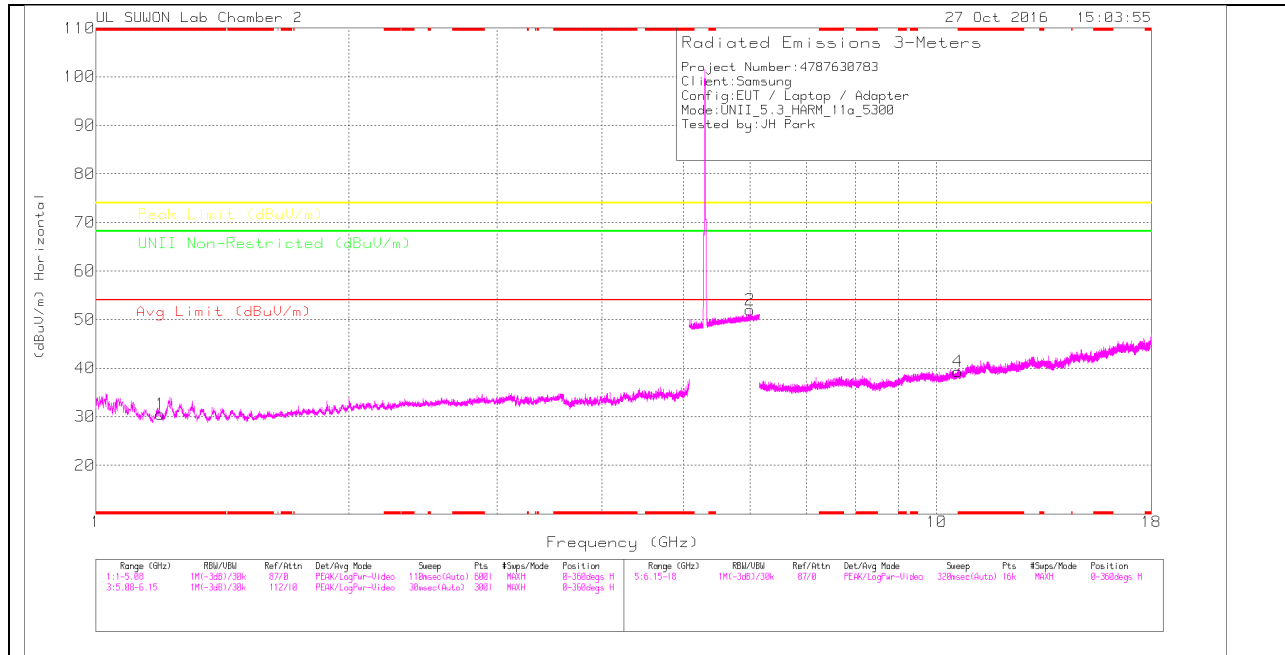
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.994	28.66	PK	31.1	-27.1	0	32.66	-	-	-	-	68.2	-35.54	0-360	150	H
2	1.993	31.35	PK	31.1	-27.1	0	35.35	-	-	-	-	68.2	-32.85	0-360	150	V
3	10.521	19.36	PK	37.7	-18	0	39.06	-	-	-	-	68.2	-29.14	0-360	150	H
6	* 15.778	19.63	PK	40.2	-16.6	0	43.23	-	-	74	-30.77	-	-	0-360	150	H
4	10.52	20.8	PK	37.7	-18	0	40.5	-	-	-	-	68.2	-27.7	0-360	250	V
5	* 15.78	20.02	PK	40.2	-16.6	0	43.62	-	-	74	-30.38	-	-	0-360	250	V

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

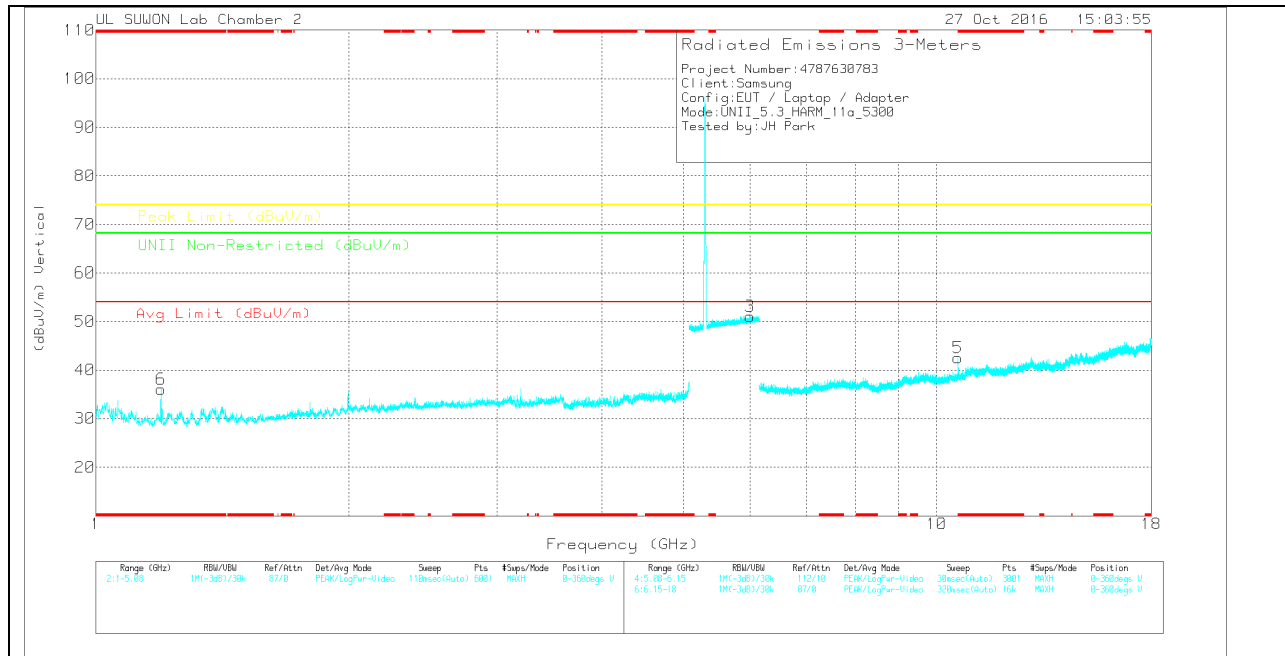
PK – Peak Detector

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

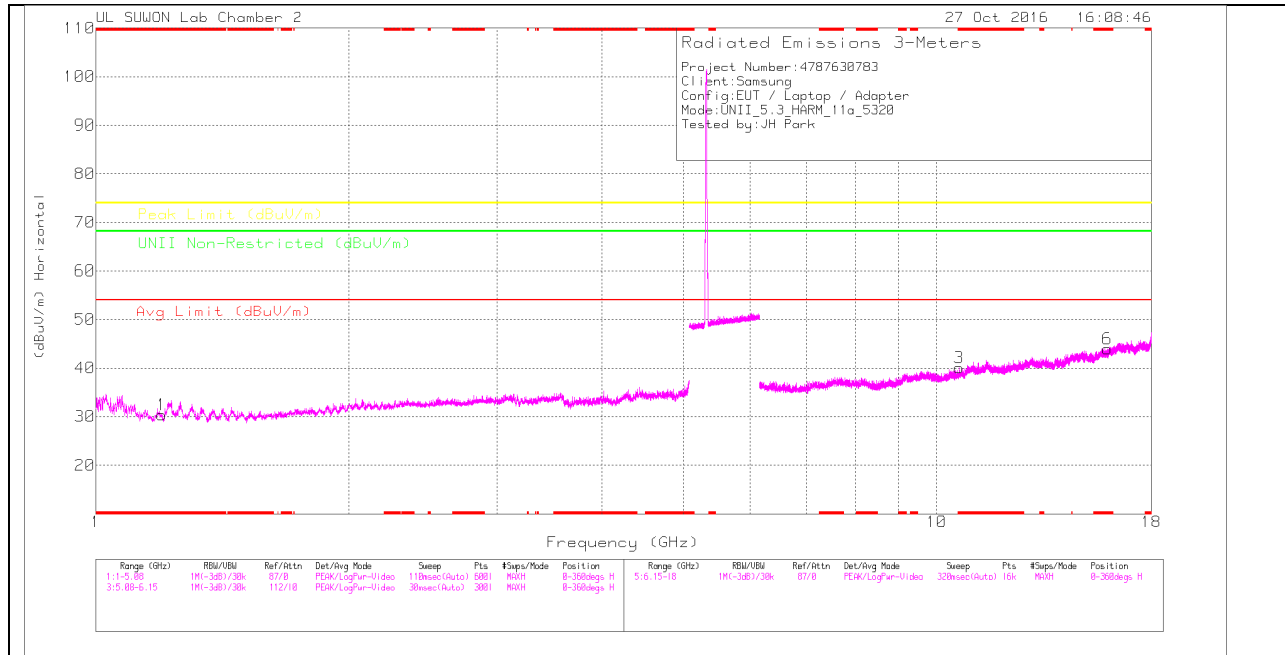
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.193	30.15	PK	28.3	-27.9	0	30.55	-	-	74	-43.45	-	-	0-360	150	H
6	* 1.195	35.71	PK	28.3	-27.9	0	36.11	-	-	74	-37.89	-	-	0-360	150	V
2	5.999	33.37	PK	34.8	-16.2	0	51.97	-	-	-	-	68.2	-16.23	0-360	150	H
3	5.999	32.44	PK	34.8	-16.2	0	51.04	-	-	-	-	68.2	-17.16	0-360	150	V
4	10.599	19.51	PK	37.8	-18	0	39.31	-	-	-	-	68.2	-28.89	0-360	250	H
5	* 10.6	22.68	PK	37.8	-18	0	42.48	-	-	74	-31.52	-	-	0-360	250	V

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

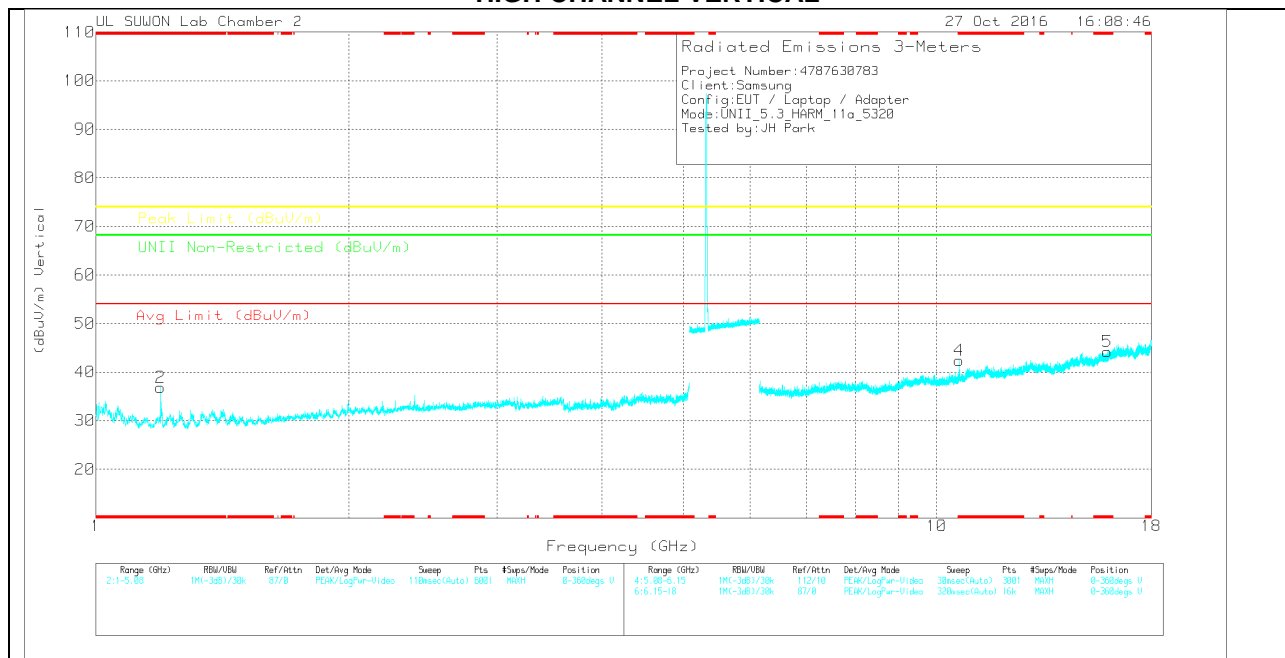
PK – Peak Detector

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 87241_150 619	Path_4	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	* 1.198	29.94	PK	28.3	-27.9	0	30.34	-	-	74	-43.66	-	-	0-360	250	H
2	* 1.194	36.38	PK	28.3	-27.9	0	36.78	-	-	74	-37.22	-	-	0-360	150	V
3	* 10.641	20.12	PK	37.8	-17.9	0	40.02	-	-	74	-33.98	-	-	0-360	250	H
6	* 15.966	19.64	PK	40.4	-16.1	0	43.94	-	-	74	-30.06	-	-	0-360	150	H
4	* 10.64	22.46	PK	37.8	-17.9	0	42.36	-	-	74	-31.64	-	-	0-360	250	V
5	* 15.96	19.87	PK	40.4	-16.1	0	44.17	-	-	74	-29.83	-	-	0-360	250	V

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

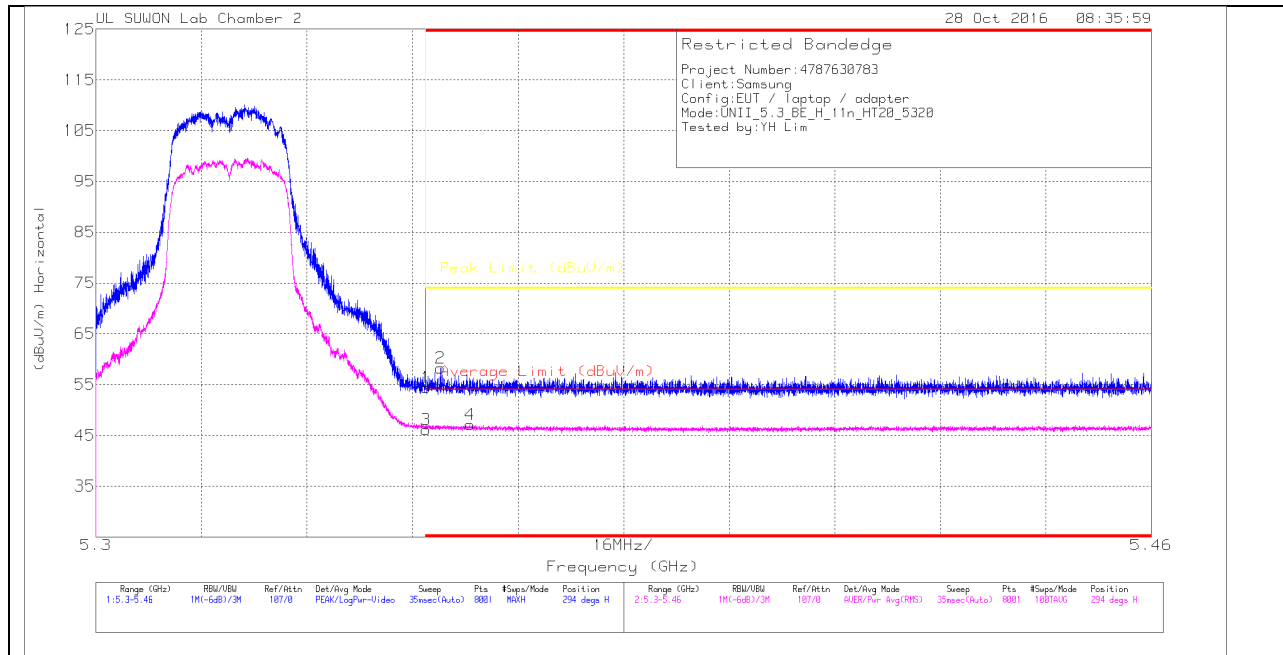
PK – Peak Detector

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

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

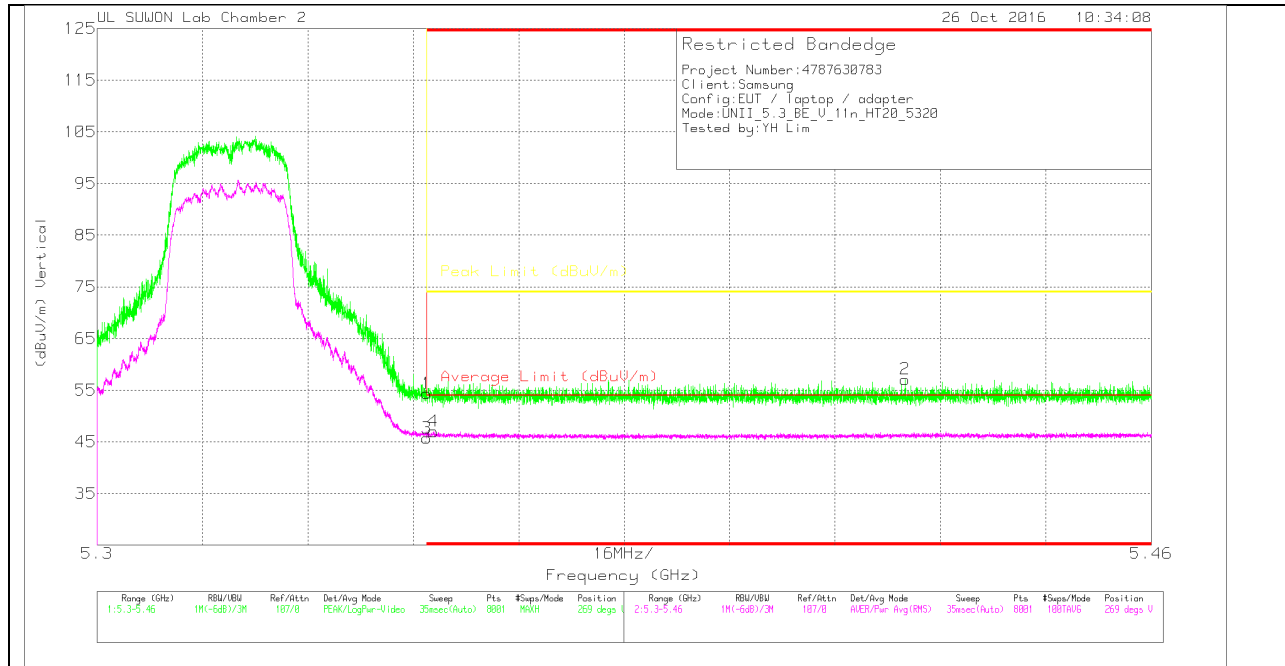
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.33	Pk	34.4	-16.3	0	54.43	-	-	74	-19.57	294	114	H
2	* 5.352	40.17	Pk	34.4	-16.3	0	58.27	-	-	74	-15.73	294	114	H
3	* 5.35	26.36	RMS	34.4	-16.3	1.65	46.11	54	-7.89	-	-	294	114	H
4	* 5.357	27.33	RMS	34.4	-16.3	1.65	47.08	54	-6.92	-	-	294	114	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.25	Pk	34.4	-16.3	0	54.35	-	-	74	-19.65	269	396	V
2	* 5.423	39.02	Pk	34.4	-16.3	0	57.12	-	-	74	-16.88	269	396	V
3	* 5.35	25.99	RMS	34.4	-16.3	1.65	45.74	54	-8.26	-	-	269	396	V
4	* 5.351	27.27	RMS	34.4	-16.3	1.65	47.02	54	-6.98	-	-	269	396	V

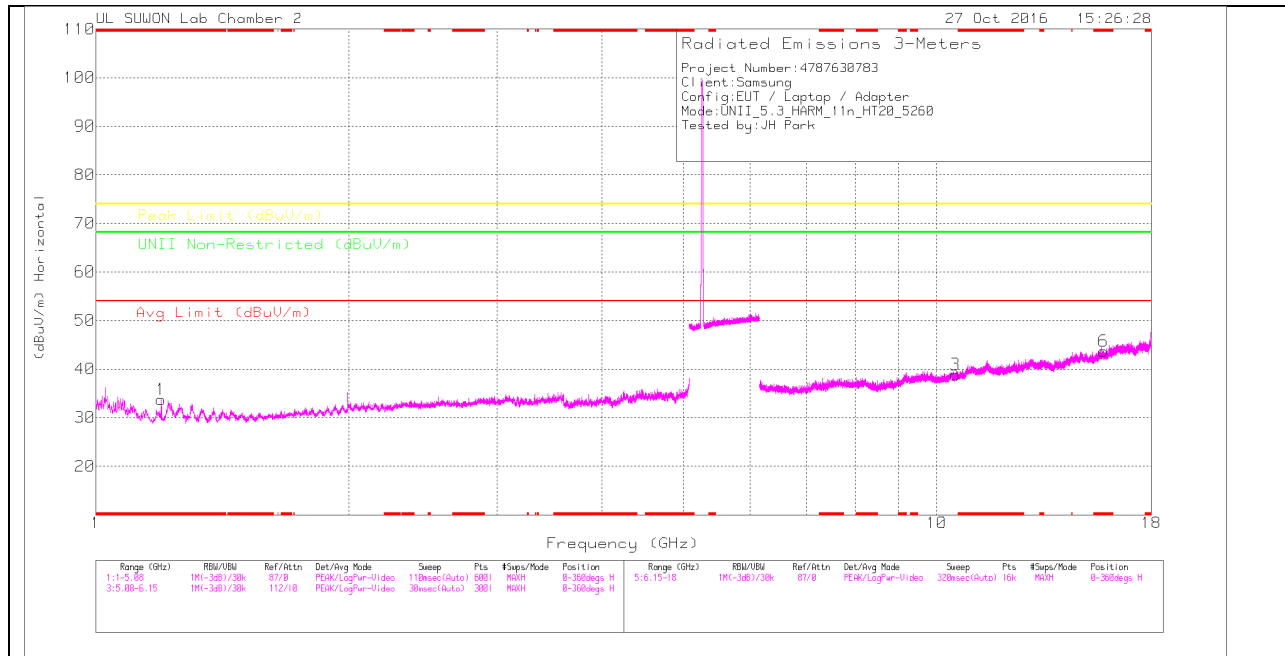
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

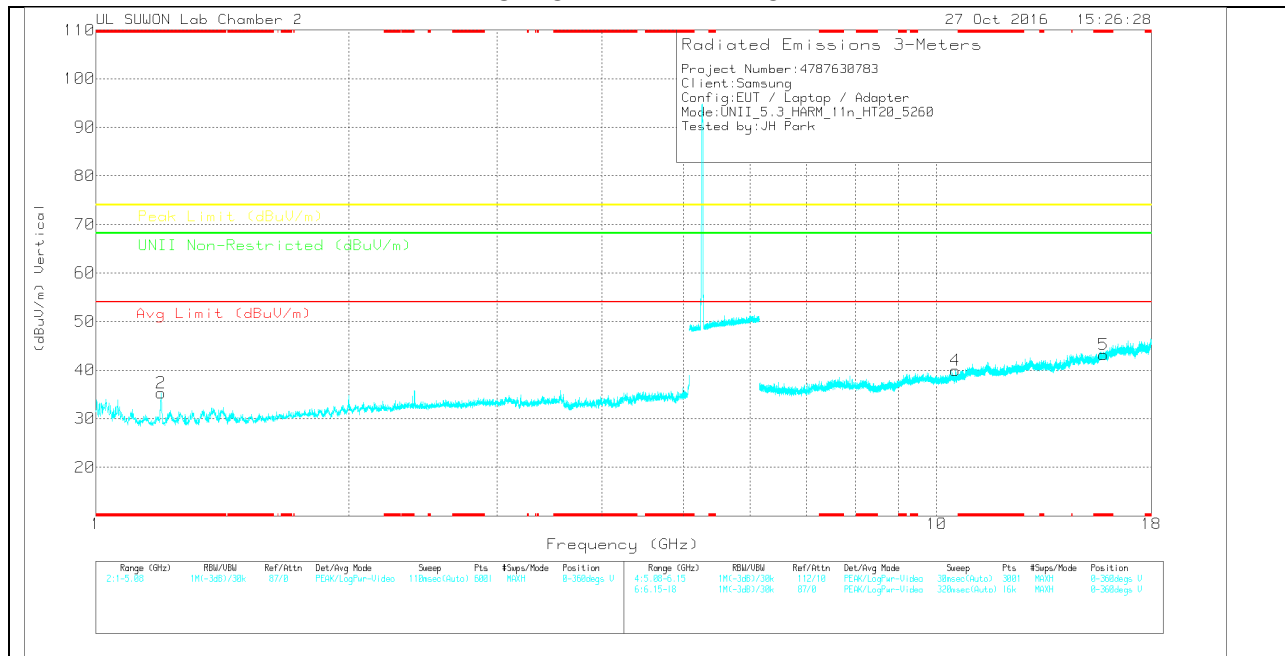
RMS - RMS detection

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

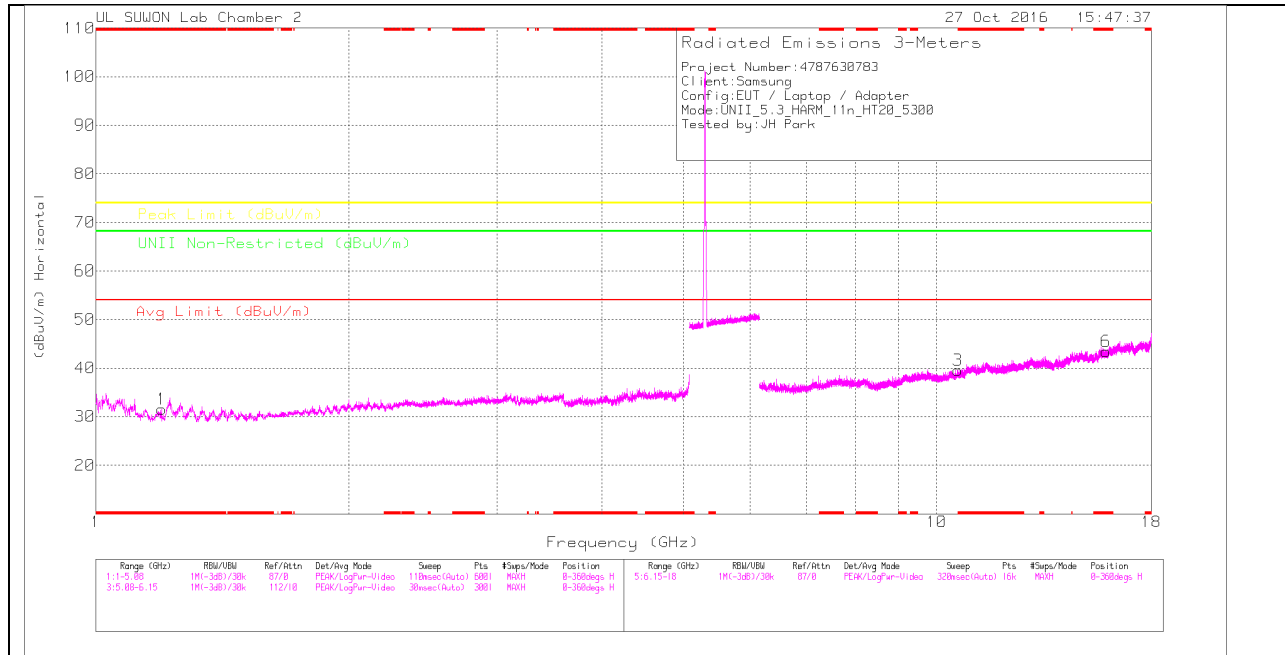
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.197	33.3	PK	28.3	-27.9	0	33.7	-	-	74	-40.3	-	-	0-360	150	H
2	* 1.196	34.89	PK	28.3	-27.9	0	35.29	-	-	74	-38.71	-	-	0-360	150	V
3	10.52	19.14	PK	37.7	-18	0	38.84	-	-	-	-	68.2	-29.36	0-360	250	H
6	* 15.781	20.08	PK	40.2	-16.6	0	43.68	-	-	74	-30.32	-	-	0-360	150	H
4	10.52	20.27	PK	37.7	-18	0	39.97	-	-	-	-	68.2	-28.23	0-360	250	V
5	* 15.78	19.58	PK	40.2	-16.6	0	43.18	-	-	74	-30.82	-	-	0-360	150	V

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

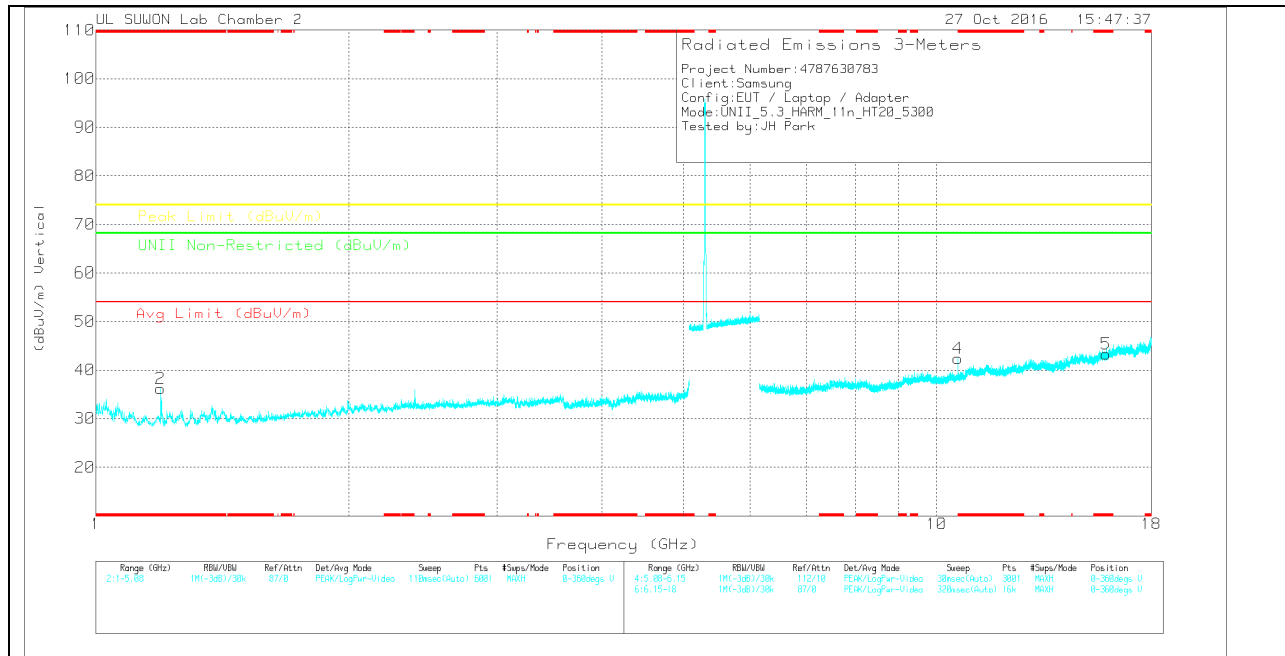
PK – Peak Detector

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

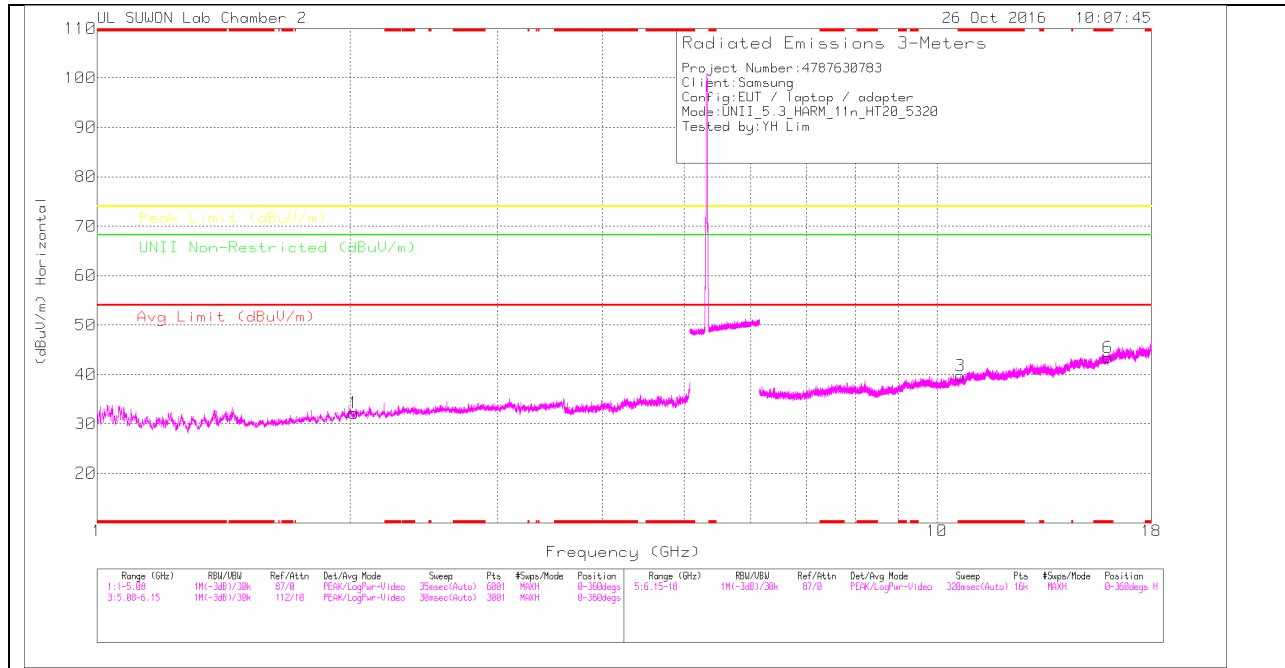
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.197	31.17	PK	28.3	-27.9	0	31.57	-	-	74	-42.43	-	-	0-360	150	H
2	* 1.194	35.84	PK	28.3	-27.9	0	36.24	-	-	74	-37.76	-	-	0-360	250	V
3	* 10.6	19.75	PK	37.8	-18	0	39.55	-	-	74	-34.45	-	-	0-360	150	H
6	* 15.904	19.38	PK	40.4	-16.3	0	43.48	-	-	74	-30.52	-	-	0-360	250	H
4	* 10.601	22.56	PK	37.8	-18	0	42.36	-	-	74	-31.64	-	-	0-360	250	V
5	* 15.902	19.2	PK	40.4	-16.3	0	43.3	-	-	74	-30.7	-	-	0-360	250	V

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

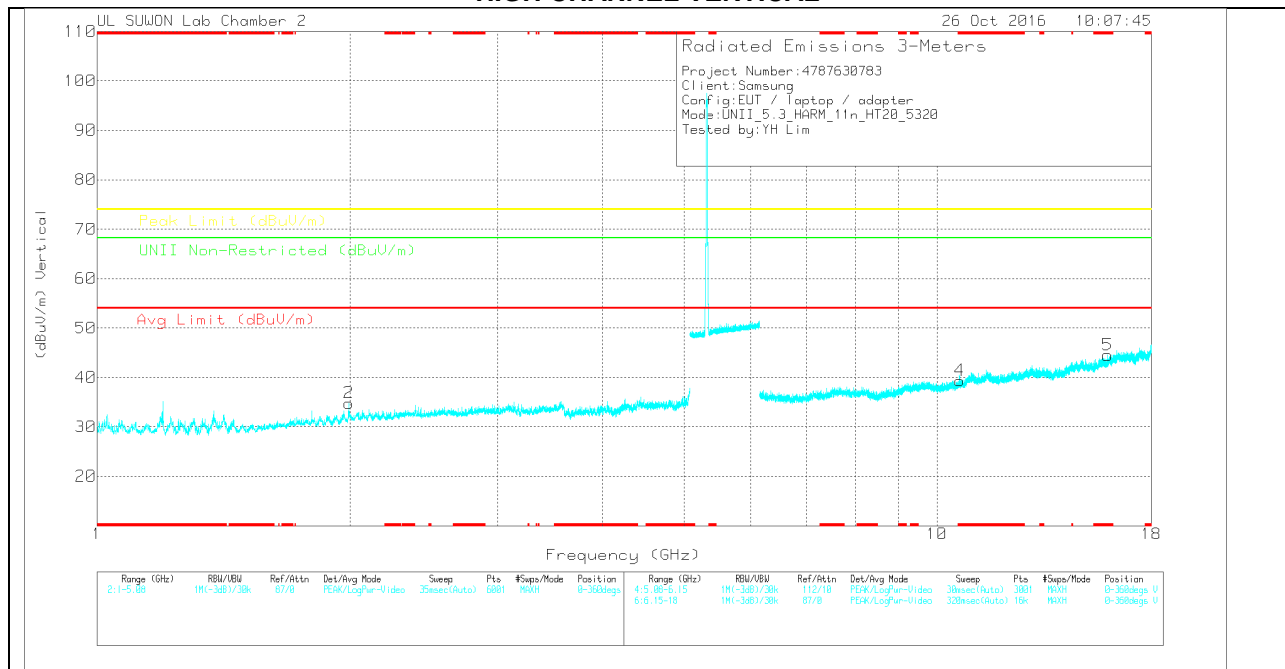
PK – Peak Detector

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 8724_150 619	Path_4	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	2.023	28.07	Pk	31.2	-27.1	0	32.17	-	-	-	-	68.2	-36.03	0-360	250	H
2	1.993	30.82	Pk	31.1	-27.1	0	34.82	-	-	-	-	68.2	-33.38	0-360	150	V
3	* 10.659	19.7	Pk	37.8	-17.8	0	39.7	-	-	74	-34.3	-	-	0-360	150	H
6	* 15.977	18.98	Pk	40.5	-16.1	0	43.38	-	-	74	-30.62	-	-	0-360	150	H
4	* 10.649	19.46	Pk	37.8	-17.9	0	39.36	-	-	74	-34.64	-	-	0-360	250	V
5	* 15.966	20.21	Pk	40.4	-16.1	0	44.51	-	-	74	-29.49	-	-	0-360	150	V

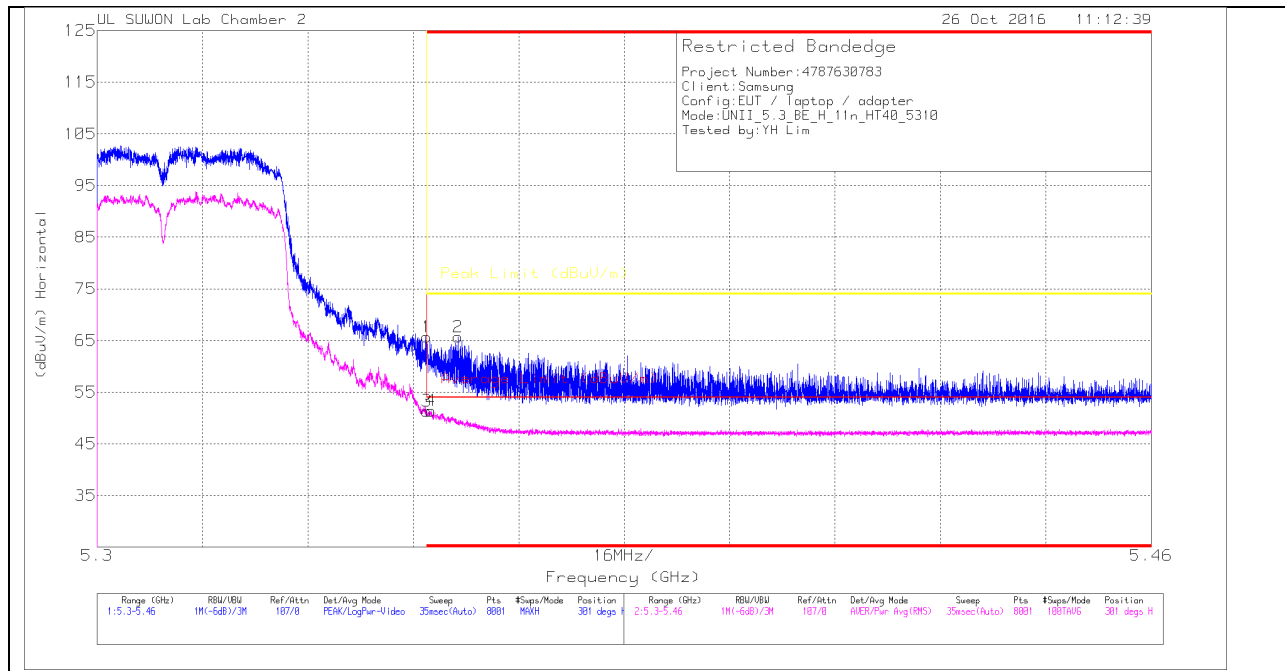
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk – Peak detector

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

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

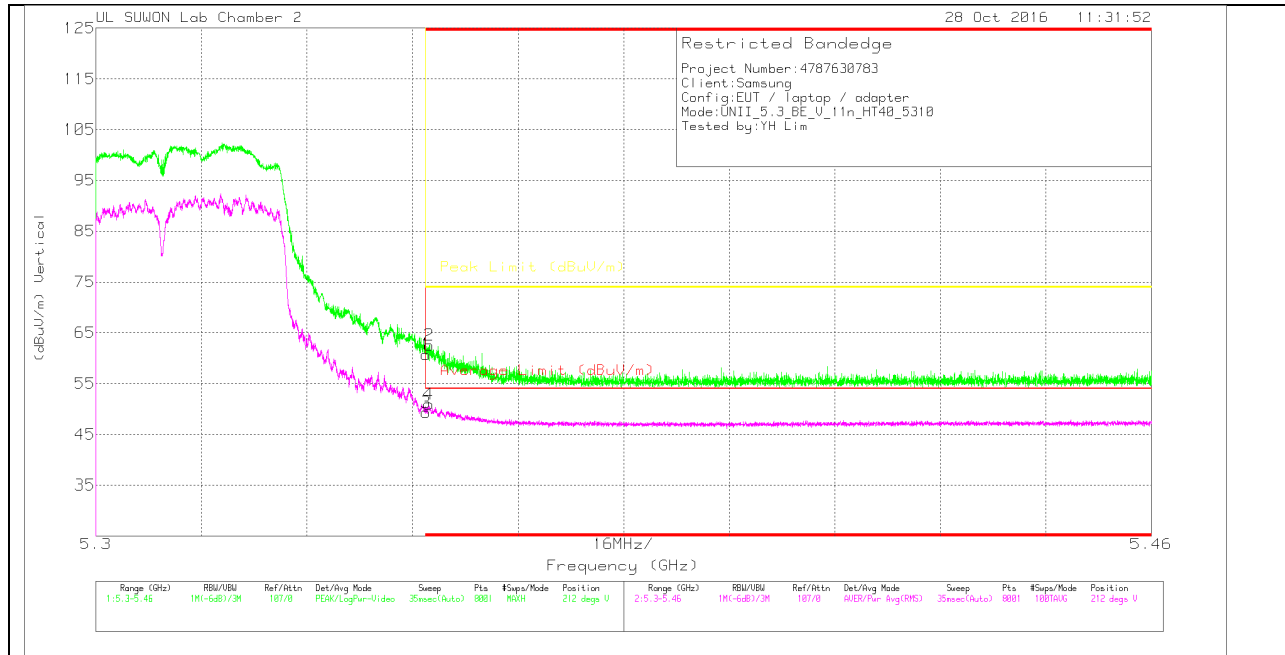
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.61	PK	34.4	-16.3	0	65.71	-	-	74	-8.29	301	117	H
2	* 5.355	47.57	PK	34.4	-16.3	0	65.67	-	-	74	-8.33	301	117	H
3	* 5.35	30.74	RMS	34.4	-16.3	2.53	51.37	54	-2.63	-	-	301	117	H
4	* 5.351	30.79	RMS	34.4	-16.3	2.53	51.42	54	-2.58	-	-	301	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(001687 24)_150619	Path_2_10dB	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	42.68	PK	34.4	-16.3	0	60.78	-	-	74	-13.22	212	383	V
2	* 5.351	44.45	PK	34.4	-16.3	0	62.55	-	-	74	-11.45	212	383	V
3	* 5.35	28.67	RMS	34.4	-16.3	2.53	49.3	54	-4.7	-	-	212	383	V
4	* 5.35	30.27	RMS	34.4	-16.3	2.53	50.9	54	-3.1	-	-	212	383	V

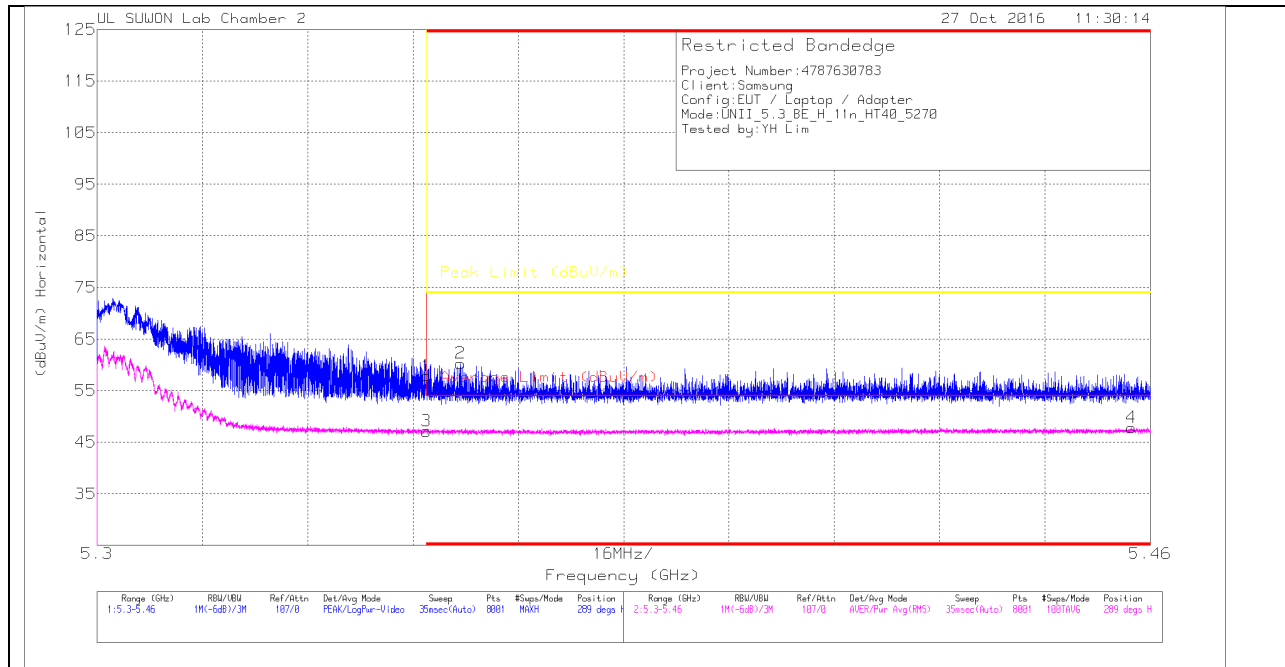
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.82	PK	34.4	-16.3	0	57.92	-	-	74	-16.08	289	306	H
2	* 5.355	42.18	PK	34.4	-16.3	0	60.28	-	-	74	-13.72	289	306	H
3	* 5.35	26.52	RMS	34.4	-16.3	2.53	47.15	54	-6.85	-	-	289	306	H
4	* 5.457	27.01	RMS	34.5	-16.2	2.53	47.84	54	-6.16	-	-	289	306	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.26	Pk	34.4	-16.3	0	55.36	-	-	74	-18.64	126	366	V
2	* 5.433	40.66	Pk	34.5	-16.3	0	58.86	-	-	74	-15.14	126	366	V
3	* 5.35	26.38	RMS	34.4	-16.3	2.53	47.01	54	-6.99	-	-	126	366	V
4	* 5.432	27.18	RMS	34.5	-16.3	2.53	47.91	54	-6.09	-	-	126	366	V

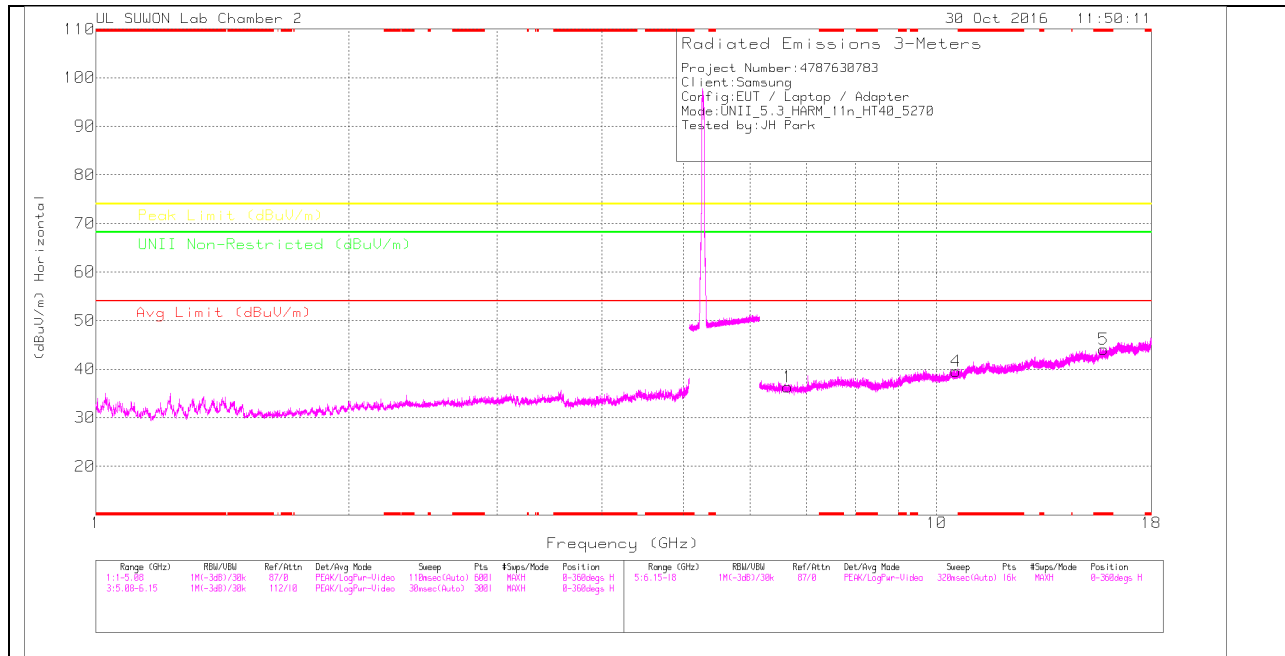
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

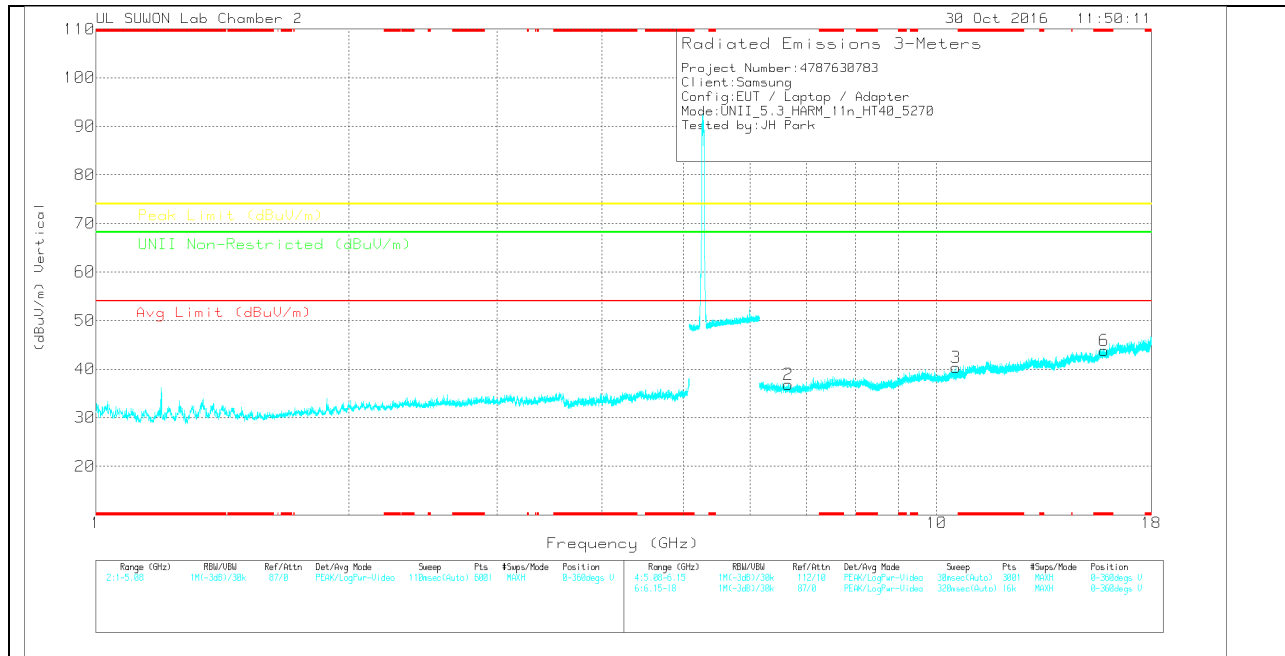
RMS - RMS detection

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

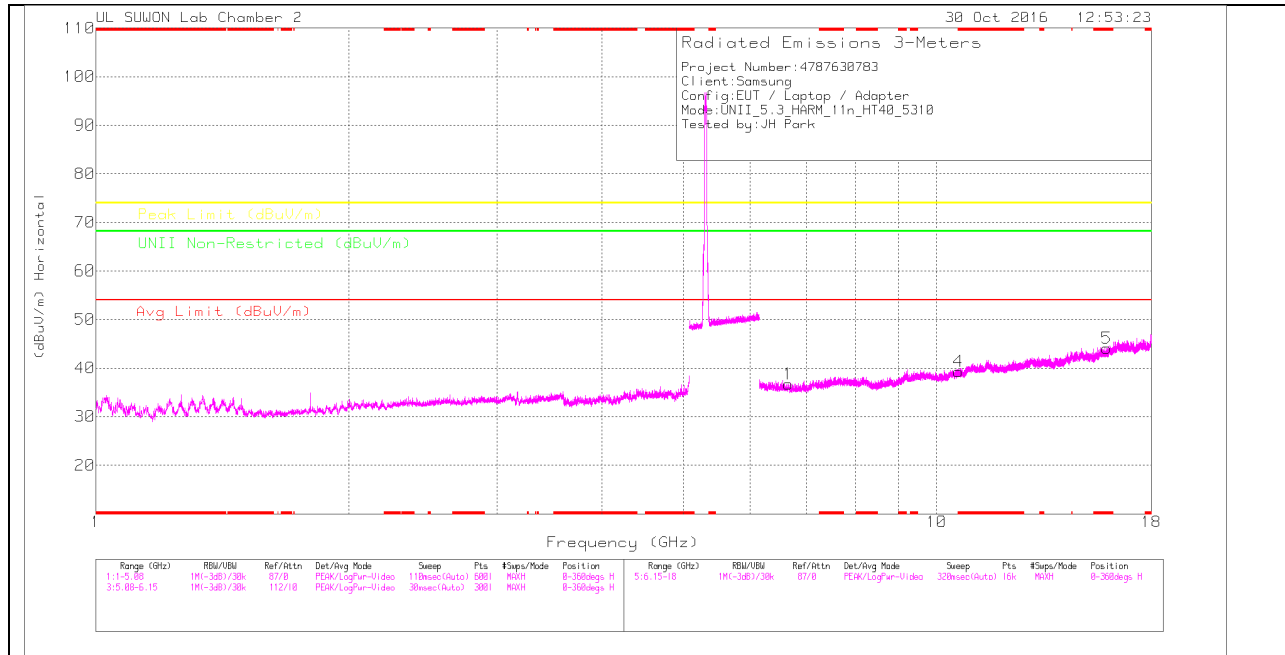
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unil Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.65	23.9	PK	35.3	-22.9	0	36.3	-	-	-	-	68.2	-31.9	0-360	250	H
4	10.539	19.83	PK	37.7	-18	0	39.53	-	-	-	-	68.2	-28.67	0-360	250	H
5	* 15.803	20.34	PK	40.2	-16.5	0	44.04	-	-	74	-29.96	-	-	0-360	150	H
2	6.662	24.39	PK	35.4	-22.9	0	36.89	-	-	-	-	68.2	-31.31	0-360	150	V
3	10.54	20.64	PK	37.7	-18	0	40.34	-	-	-	-	68.2	-27.86	0-360	150	V
6	* 15.806	20.01	PK	40.3	-16.5	0	43.81	-	-	74	-30.19	-	-	0-360	150	V

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

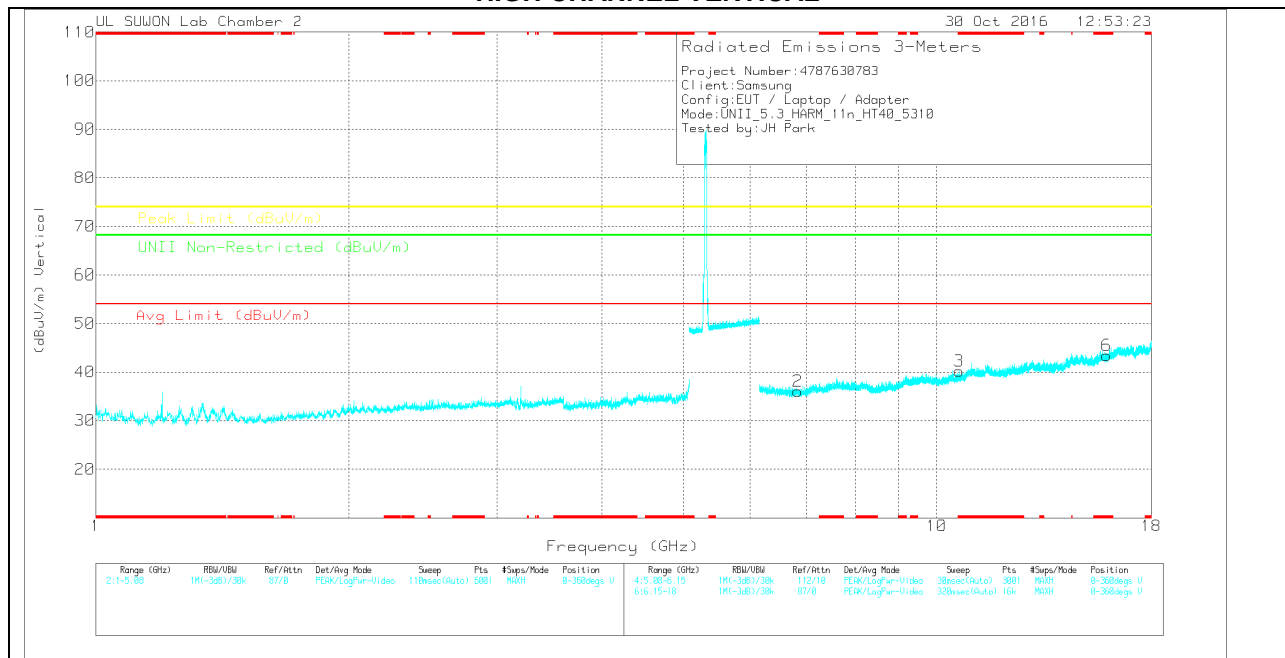
PK – Peak Detector

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 8724_150 619)	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.663	24.25	PK	35.4	-22.9	0	36.75	-	-	-	-	68.2	-31.45	0-360	150	H
4	* 10.623	19.47	PK	37.8	-18	0	39.27	-	-	74	-34.73	-	-	0-360	250	H
5	* 15.922	19.9	PK	40.4	-16.2	0	44.1	-	-	74	-29.9	-	-	0-360	150	H
2	6.834	23.78	PK	35.4	-23.1	0	36.08	-	-	-	-	68.2	-32.12	0-360	150	V
3	* 10.625	20.41	PK	37.8	-18	0	40.21	-	-	74	-33.79	-	-	0-360	150	V
6	* 15.923	19.29	PK	40.4	-16.2	0	43.49	-	-	74	-30.51	-	-	0-360	250	V

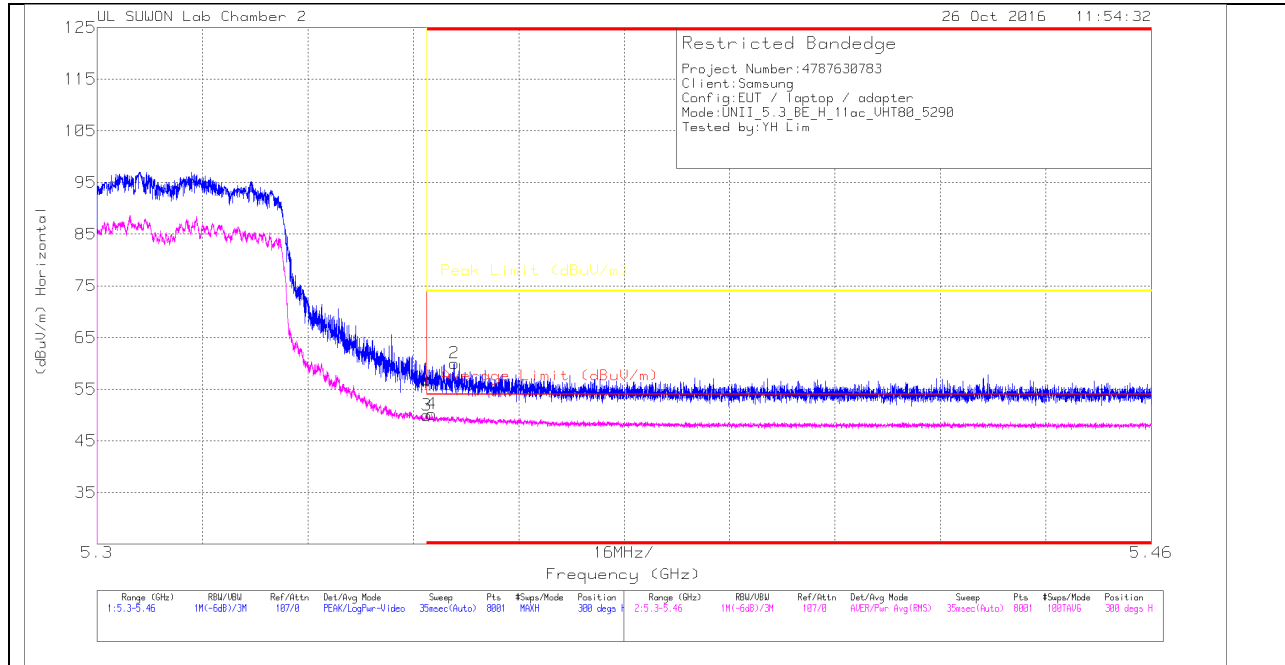
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 802.11ac VHT80 2TX CDD MODE IN THE 5.3GHz BAND RESTRICTED BANDEDGE (MID CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

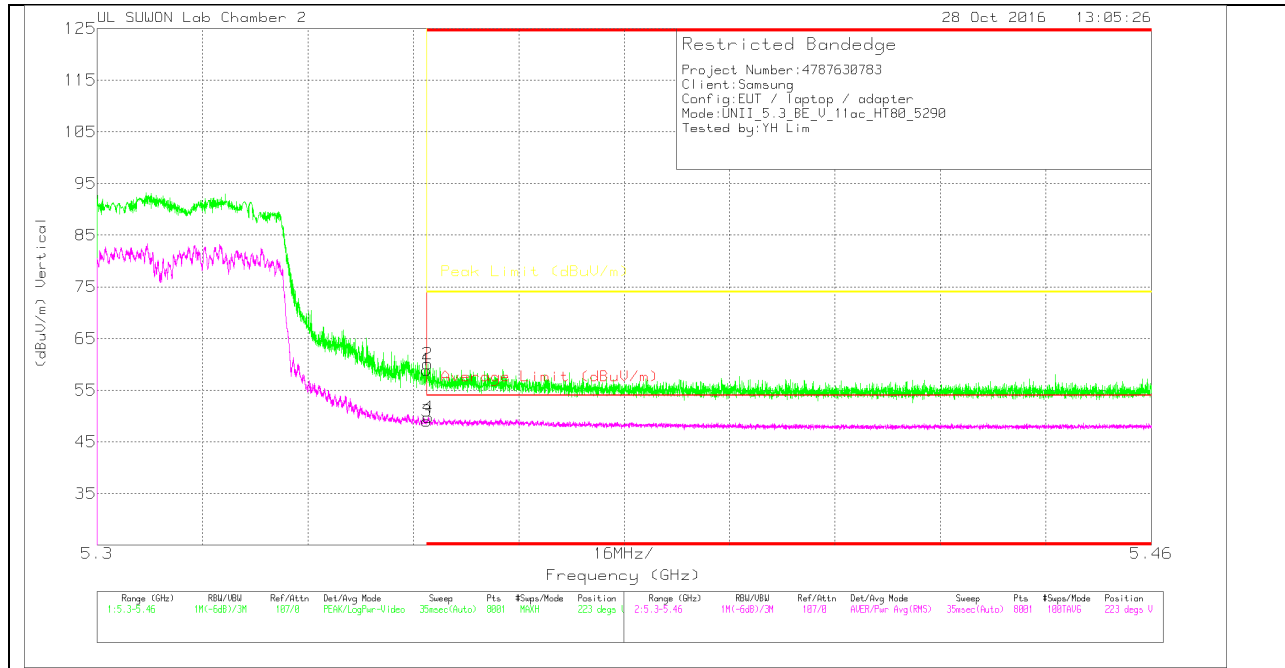
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.79	PK	34.4	-16.3	0	56.89	-	-	74	-17.11	300	363	H
2	* 5.354	41.93	PK	34.4	-16.3	0	60.03	-	-	74	-13.97	300	363	H
3	* 5.35	28.52	RMS	34.4	-16.3	3.34	49.96	54	-4.04	-	-	300	363	H
4	* 5.351	28.76	RMS	34.4	-16.3	3.34	50.2	54	-3.8	-	-	300	363	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 24)_150619	Path_2_10dB	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	40.82	Pk	34.4	-16.3	0	58.92	-	-	74	-15.08	223	355	V
2	* 5.35	42	Pk	34.4	-16.3	0	60.1	-	-	74	-13.9	223	355	V
3	* 5.35	27.55	RMS	34.4	-16.3	3.34	48.99	54	-5.01	-	-	223	355	V
4	* 5.35	28.32	RMS	34.4	-16.3	3.34	49.76	54	-4.24	-	-	223	355	V

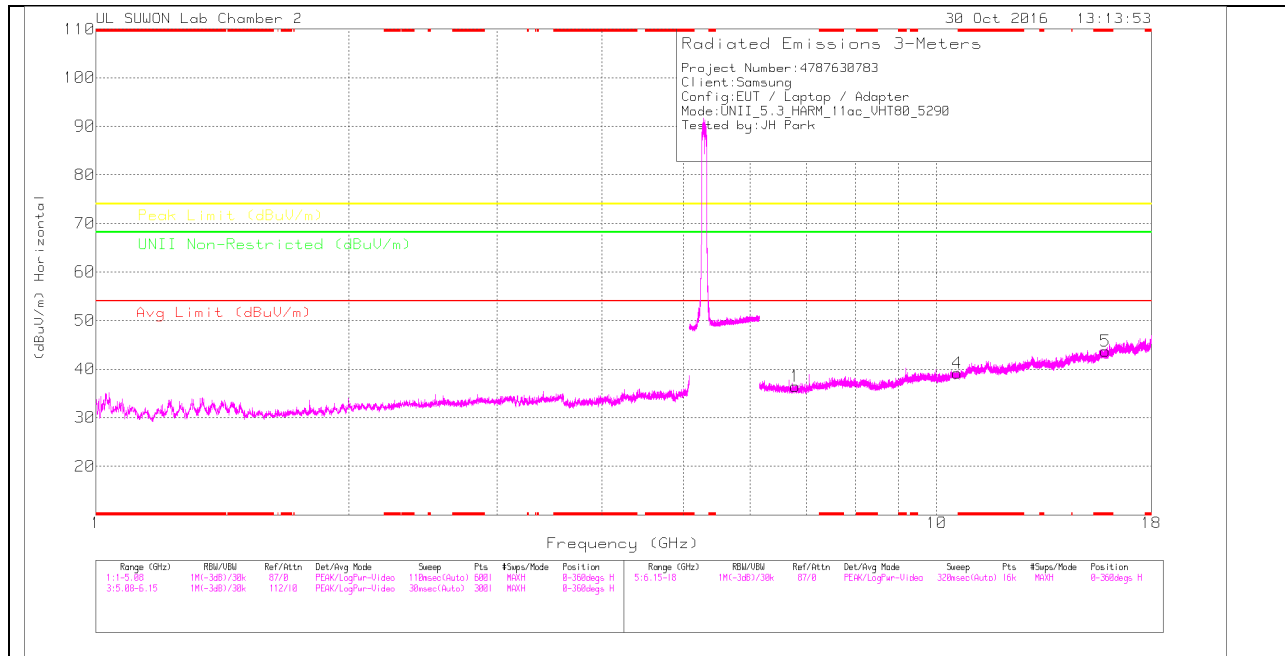
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

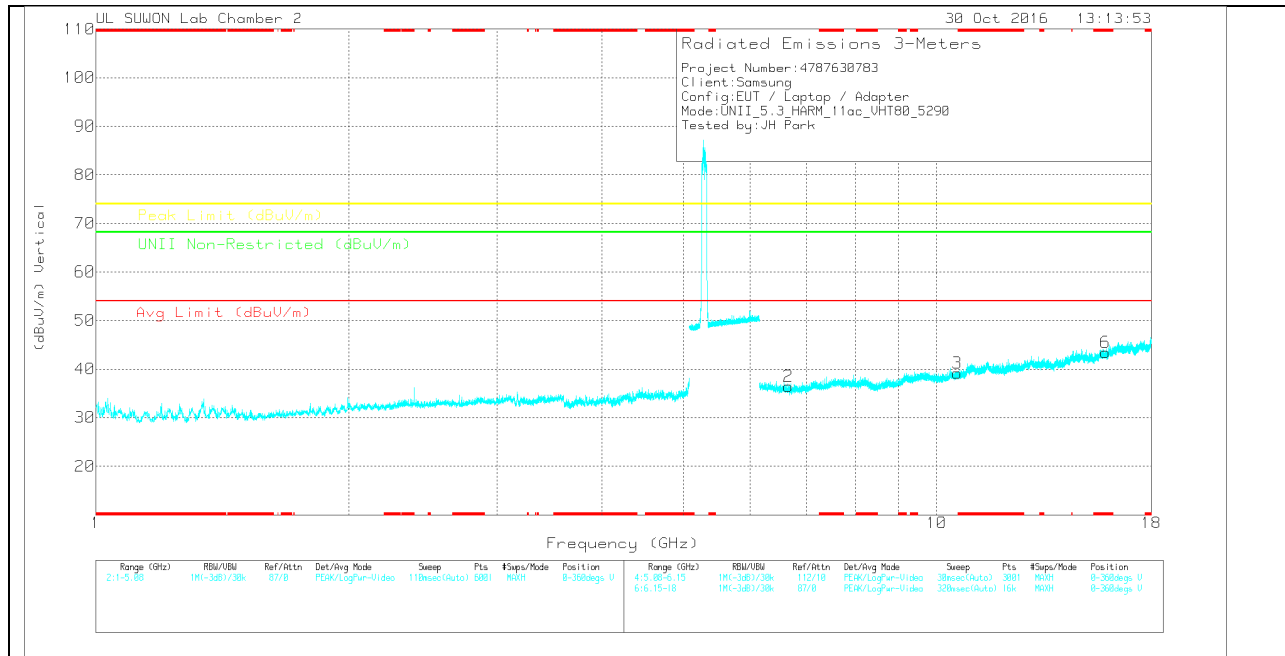
RMS - RMS detection

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 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.786	23.99	PK	35.4	-22.9	0	36.49	-	-	-	-	68.2	-31.71	0-360	150	H
4	10.581	19.38	PK	37.8	-18	0	39.18	-	-	-	-	68.2	-29.02	0-360	250	H
5	* 15.881	19.82	PK	40.3	-16.4	0	43.72	-	-	74	-30.28	-	-	0-360	250	H
2	6.663	23.9	PK	35.4	-22.9	0	36.4	-	-	-	-	68.2	-31.8	0-360	150	V
3	10.583	19.33	PK	37.8	-18	0	39.13	-	-	-	-	68.2	-29.07	0-360	250	V
6	* 15.875	19.5	PK	40.3	-16.4	0	43.4	-	-	74	-30.6	-	-	0-360	150	V

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

PK – Peak Detector

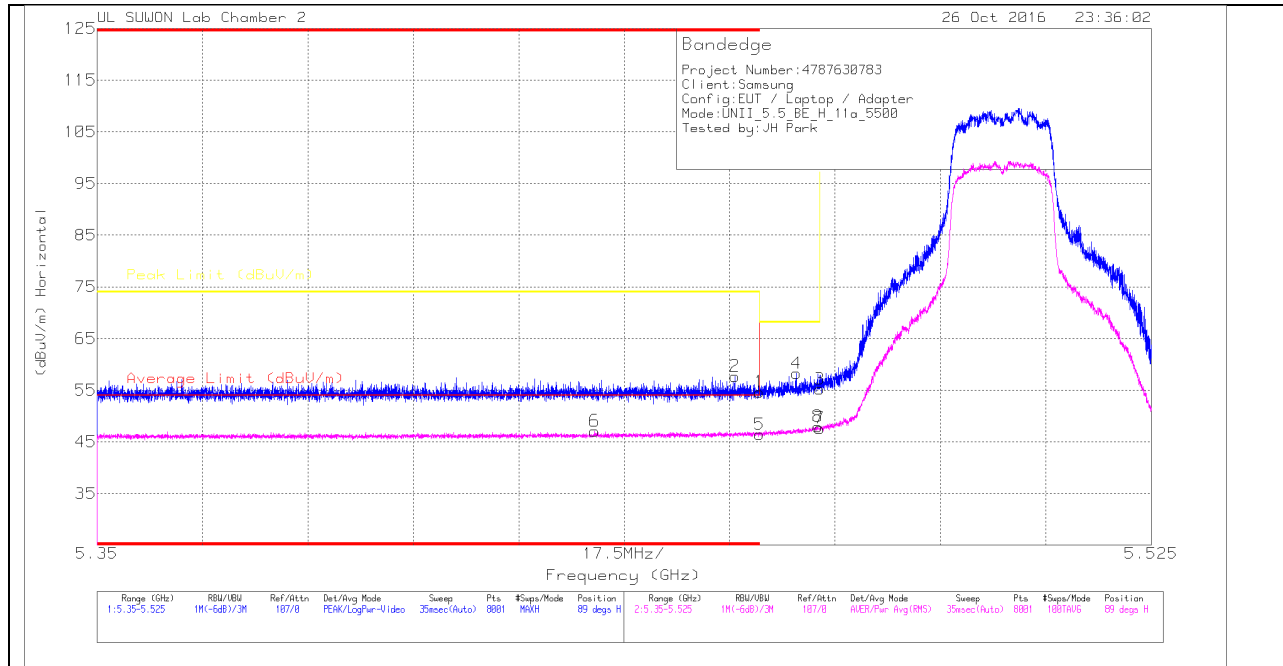
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3. 5.5-5.6 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

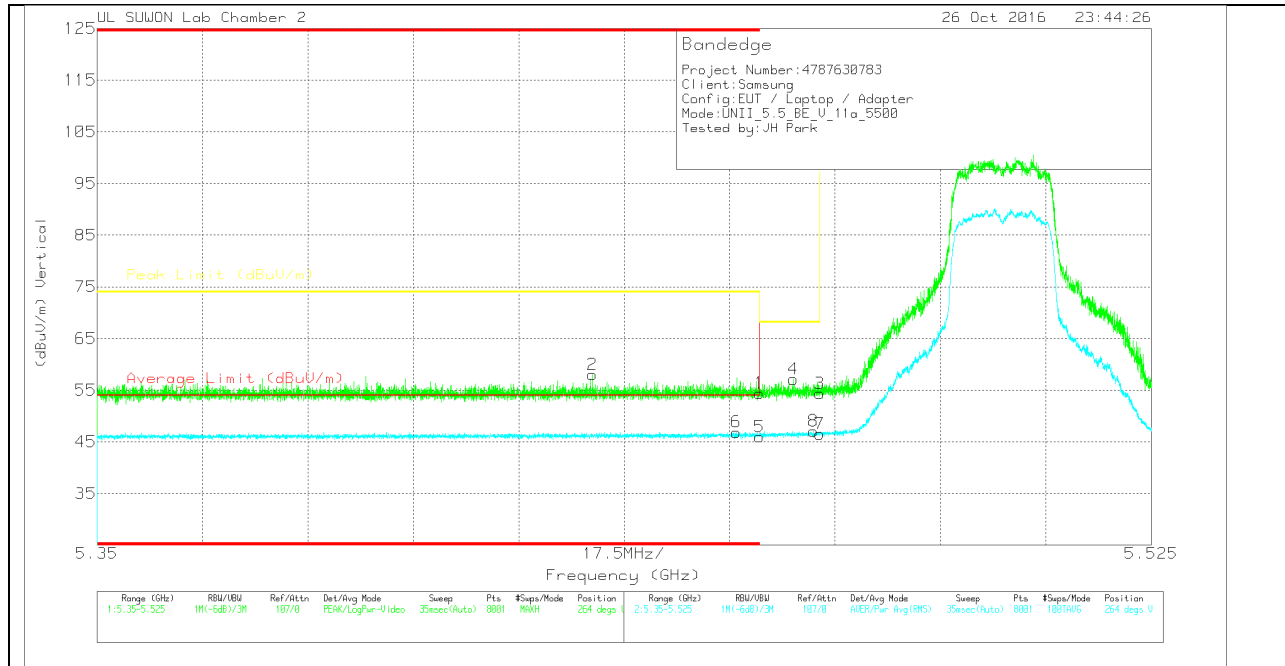
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.36	PK	34.5	-16.2	0	54.66	-	-	74	-19.34	89	146	H
2	* 5.456	39.4	PK	34.5	-16.2	0	57.7	-	-	74	-16.3	89	146	H
3	5.47	36.92	PK	34.5	-16.2	0	55.22	-	-	68.2	-12.98	89	146	H
4	5.466	39.96	PK	34.5	-16.2	0	58.26	-	-	68.2	-9.94	89	146	H
5	* 5.46	26.51	RMS	34.5	-16.2	1.66	46.47	54	-7.53	-	-	89	146	H
6	* 5.433	27.23	RMS	34.5	-16.3	1.66	47.09	54	-6.91	-	-	89	146	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.11	Pk	34.5	-16.2	0	54.41	-	-	74	-19.59	264	117	V
2	* 5.432	39.84	Pk	34.5	-16.3	0	58.04	-	-	74	-15.96	264	117	V
3	5.47	36.08	Pk	34.5	-16.2	0	54.38	-	-	68.2	-13.82	264	117	V
4	5.466	38.84	Pk	34.5	-16.2	0	57.14	-	-	68.2	-11.06	264	117	V
5	* 5.46	26.03	RMS	34.5	-16.2	1.66	45.99	54	-8.01	-	-	264	117	V
6	* 5.456	26.93	RMS	34.5	-16.2	1.66	46.89	54	-7.11	-	-	264	117	V

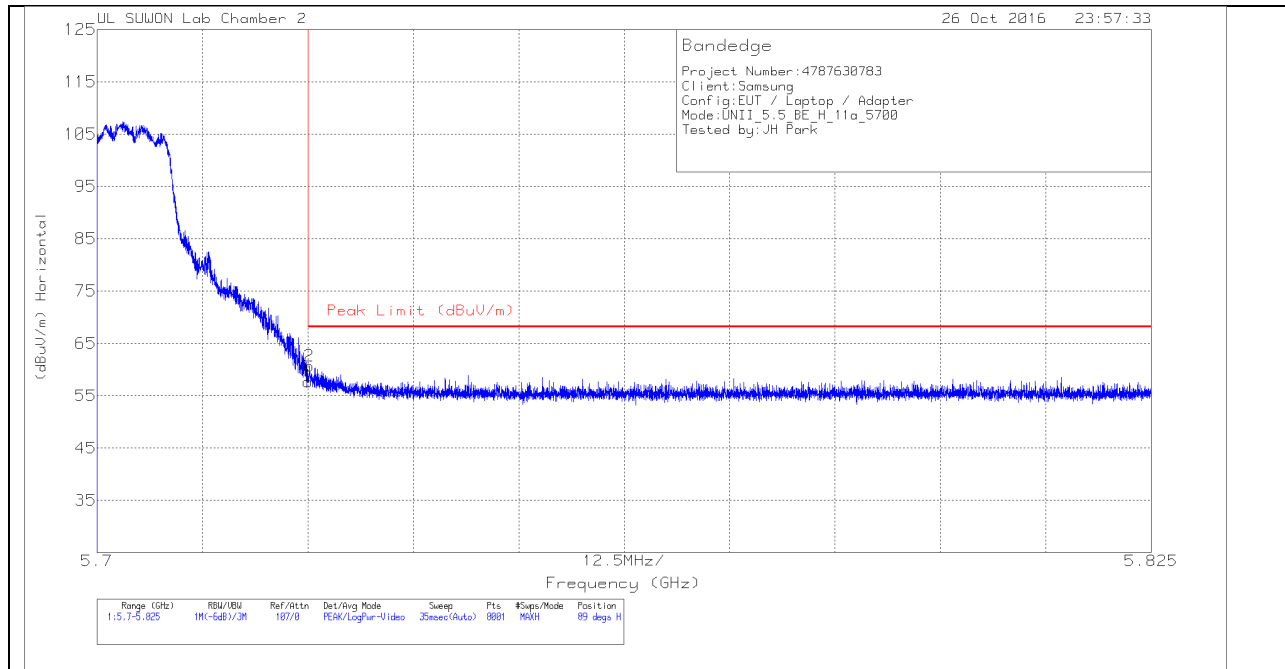
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



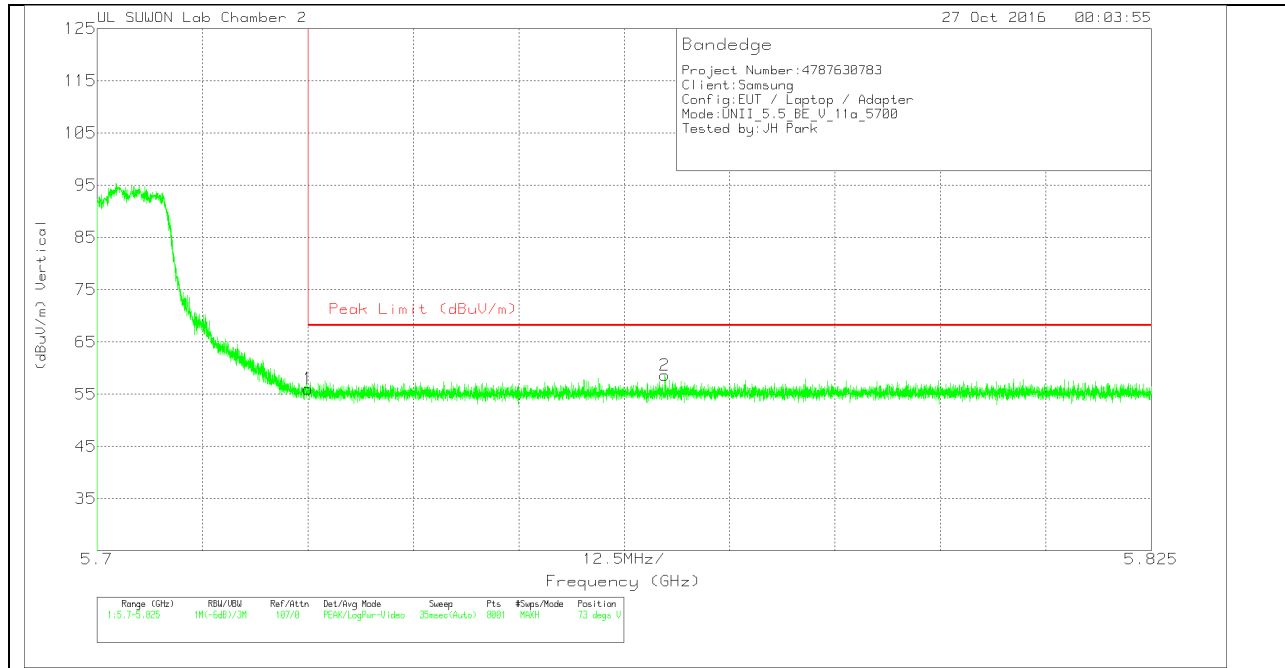
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.63	Pk	34.7	-15.6	0	57.73	68.2	-10.47	89	345	H
2	5.725	41.58	Pk	34.7	-15.6	0	60.68	68.2	-7.52	89	345	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

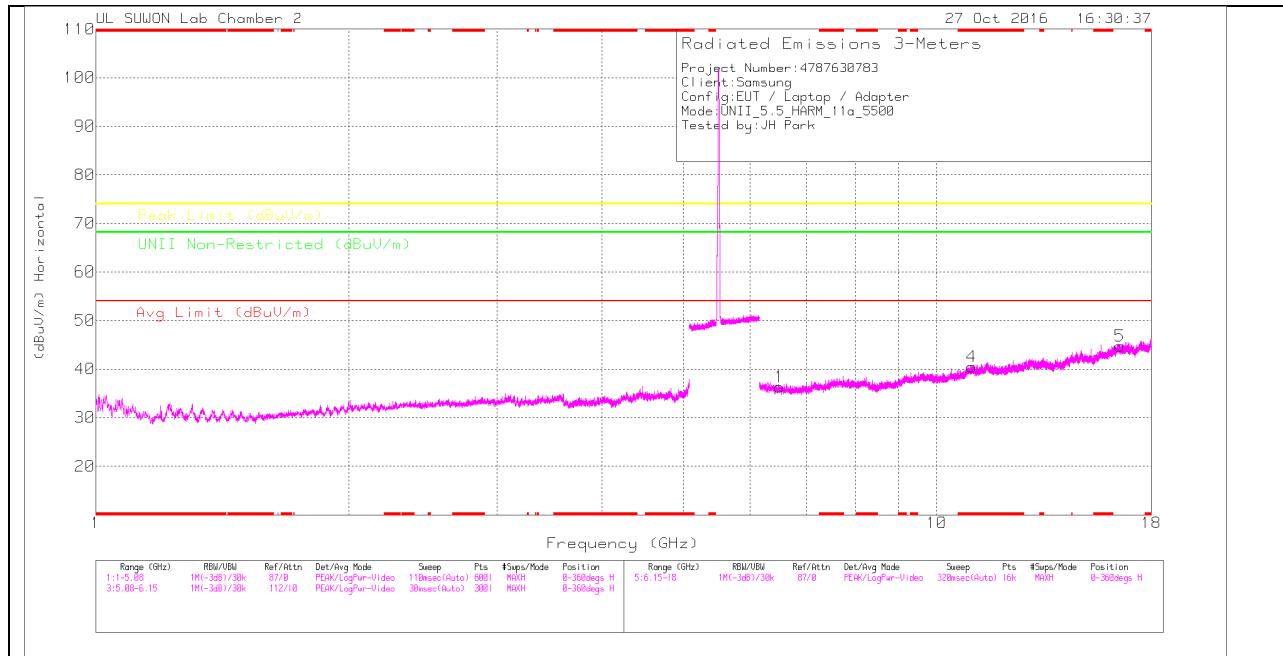
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.93	Pk	34.7	-15.6	0	56.03	68.2	-12.17	73	345	V
2	5.767	39.44	Pk	34.7	-15.5	0	58.64	68.2	-9.56	73	345	V

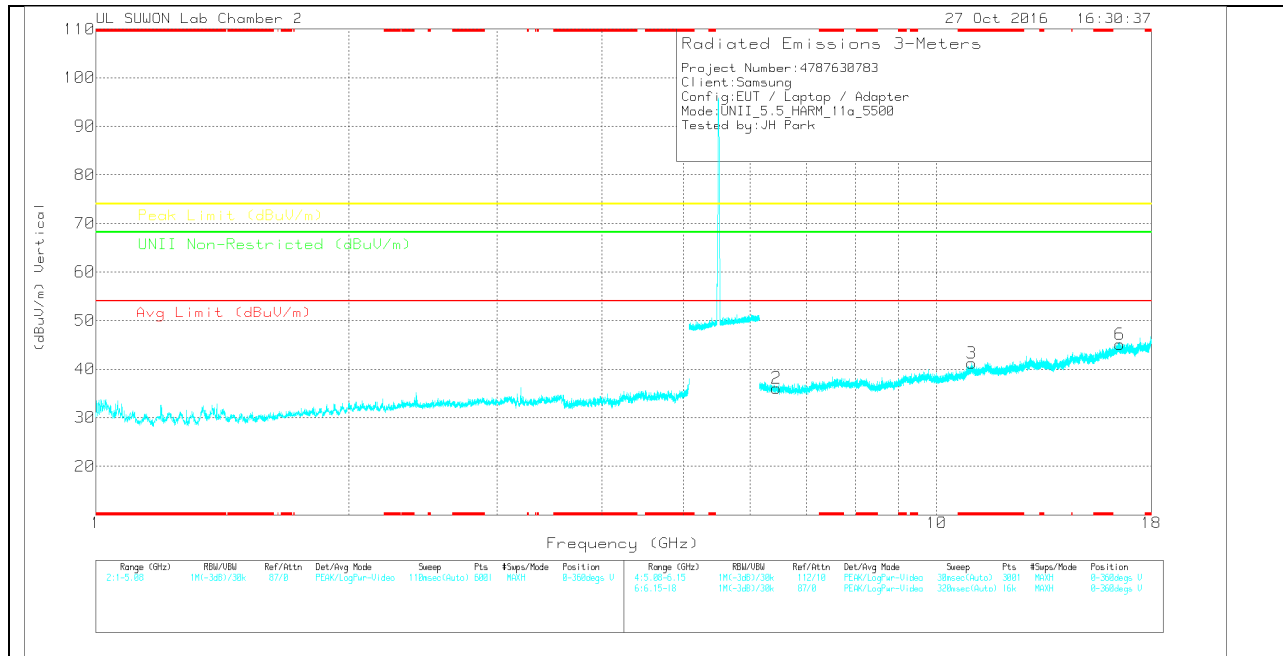
Pk - Peak detector

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

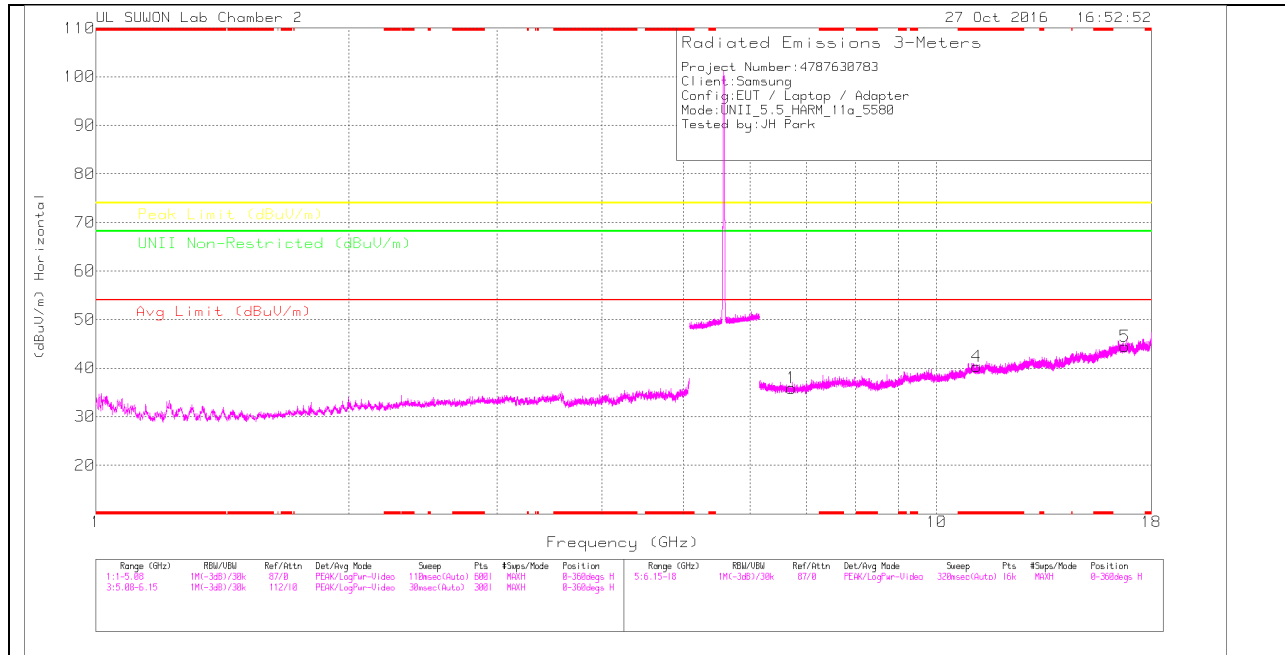
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.5	24.46	PK	35.3	-23.5	0	36.26	-	-	-	-	68.2	-31.94	0-360	150	H
4	* 11	20.02	PK	38	-17.6	0	40.42	-	-	74	-33.58	-	-	0-360	250	H
5	16.51	19.82	PK	41	-16.1	0	44.72	-	-	-	-	68.2	-23.48	0-360	150	H
2	6.449	23.92	PK	35.2	-23	0	36.12	-	-	-	-	68.2	-32.08	0-360	250	V
3	* 11.002	20.79	PK	38	-17.6	0	41.19	-	-	74	-32.81	-	-	0-360	250	V
6	16.508	20.17	PK	41	-16.1	0	45.07	-	-	-	-	68.2	-23.13	0-360	250	V

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

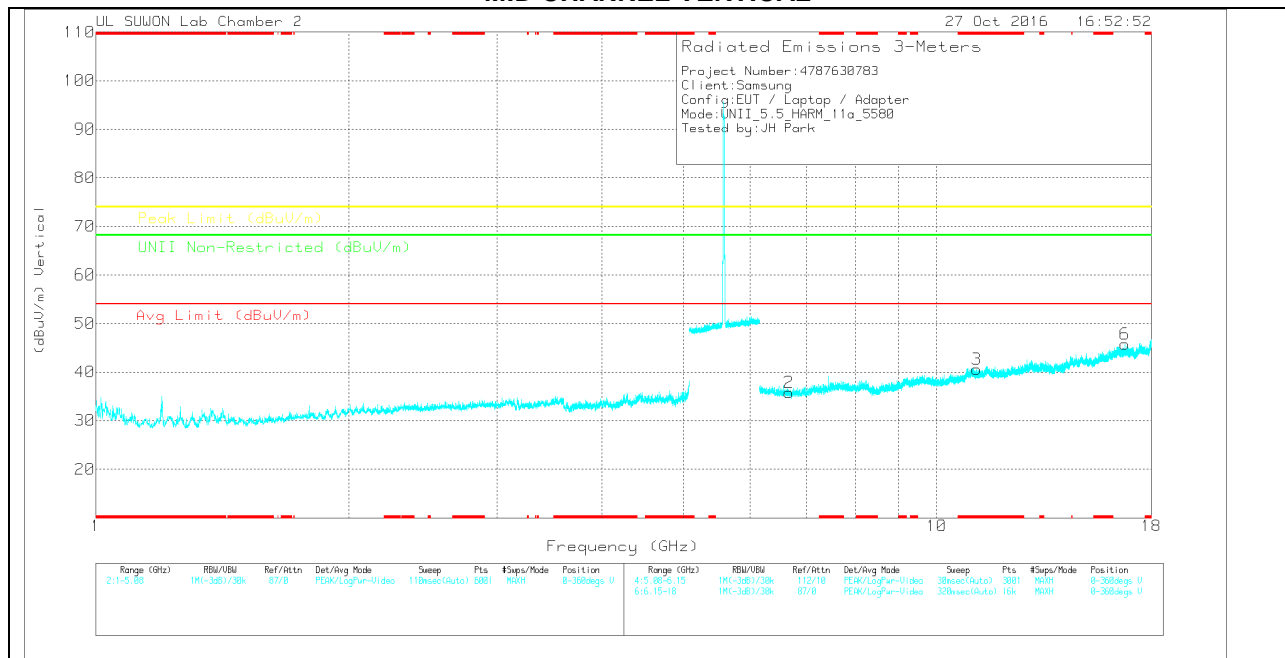
PK – Peak Detector

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

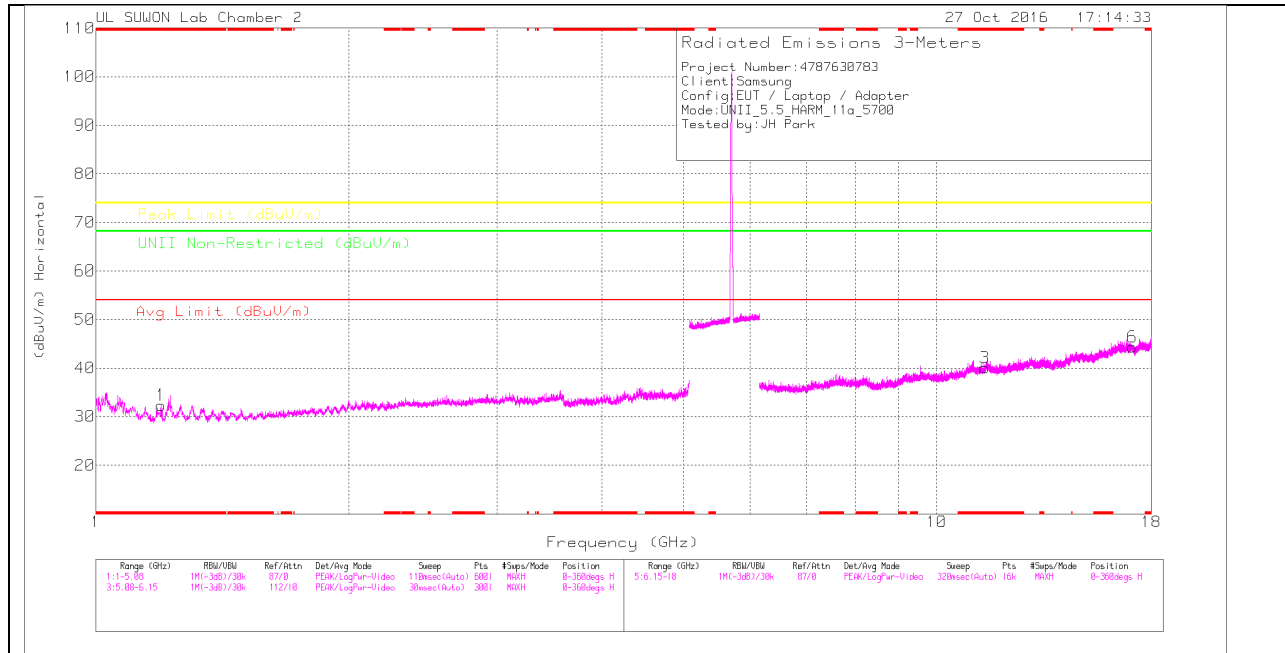
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.72	23.07	PK	35.4	-22.6	0	35.87	-	-	-	-	68.2	-32.33	0-360	150	H
4	* 11.153	19.89	PK	38.1	-17.7	0	40.29	-	-	74	-33.71	-	-	0-360	250	H
5	16.747	19.03	PK	41	-15.6	0	44.43	-	-	-	-	68.2	-23.77	0-360	150	H
2	6.676	23.26	PK	35.4	-22.8	0	35.86	-	-	-	-	68.2	-32.34	0-360	250	V
3	* 11.156	20.24	PK	38.1	-17.7	0	40.64	-	-	74	-33.36	-	-	0-360	150	V
6	16.741	20.32	PK	41	-15.6	0	45.72	-	-	-	-	68.2	-22.48	0-360	250	V

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

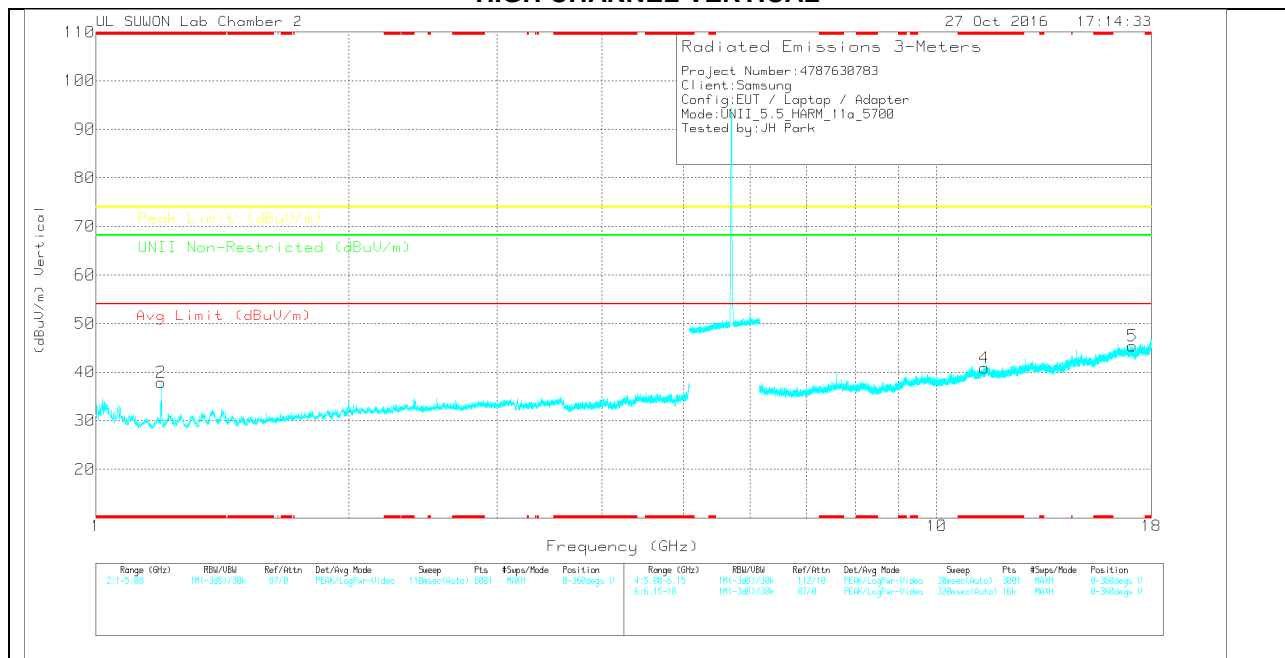
PK – Peak Detector

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 87241_150 619	Path_4	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	* 1.195	31.97	PK	28.3	-27.9	0	32.37	-	-	74	-41.63	-	-	0-360	250	H
2	* 1.196	37.44	PK	28.3	-27.9	0	37.84	-	-	74	-36.16	-	-	0-360	150	V
3	* 11.401	18.98	PK	38.3	-17.2	0	40.08	-	-	74	-33.92	-	-	0-360	250	H
6	17.101	18.57	PK	41.1	-15.3	0	44.37	-	-	-	-	68.2	-23.83	0-360	150	H
4	* 11.396	19.69	PK	38.3	-17.2	0	40.79	-	-	74	-33.21	-	-	0-360	250	V
5	17.101	19.52	PK	41.1	-15.3	0	45.32	-	-	-	-	68.2	-22.88	0-360	250	V

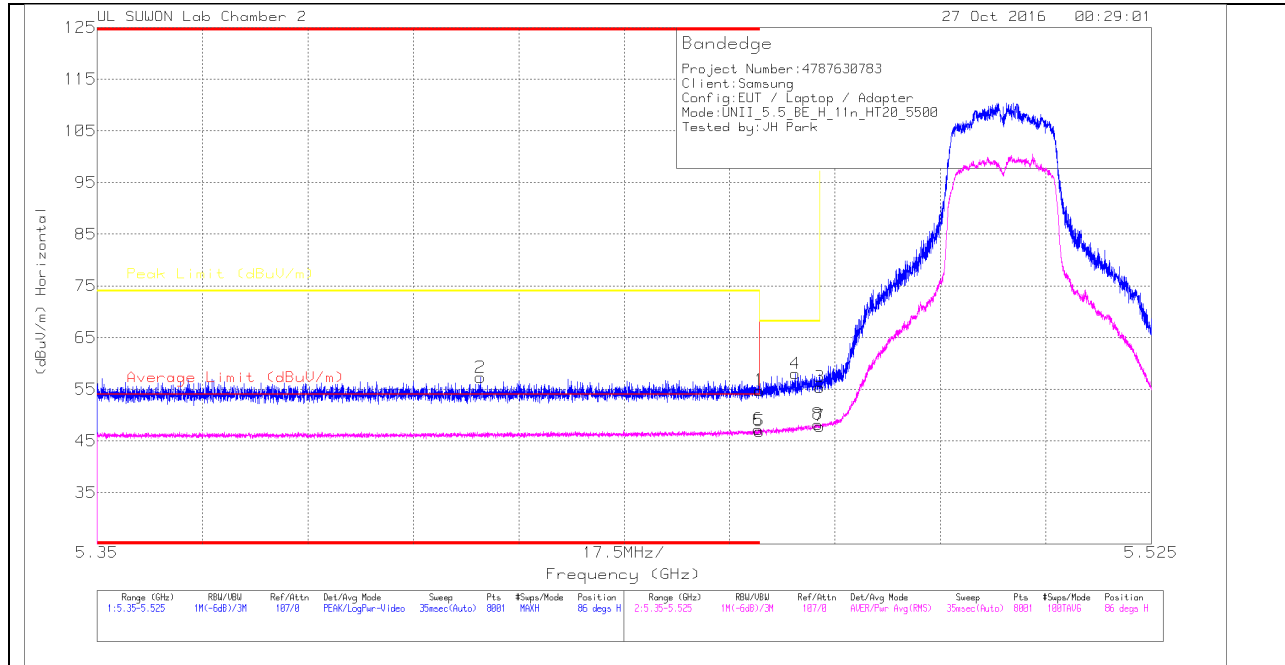
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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 2TX CDD MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

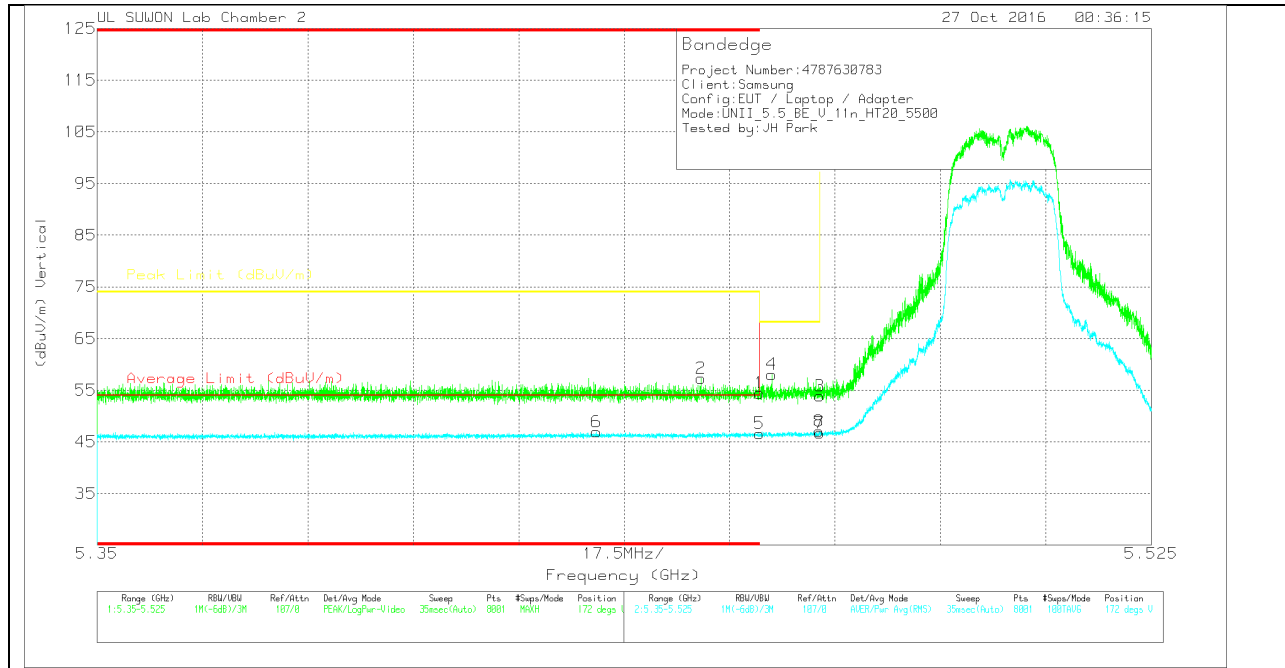
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.48	PK	34.5	-16.2	0	54.78	-	-	74	-19.22	86	117	H
2	* 5.414	39.2	PK	34.4	-16.3	0	57.3	-	-	74	-16.7	86	117	H
3	5.47	37.11	PK	34.5	-16.2	0	55.41	-	-	68.2	-12.79	86	117	H
4	5.466	39.73	PK	34.5	-16.2	0	58.03	-	-	68.2	-10.17	86	117	H
5	* 5.46	26.94	RMS	34.5	-16.2	1.65	46.89	54	-7.11	-	-	86	117	H
6	* 5.46	27.27	RMS	34.5	-16.2	1.65	47.22	54	-6.78	-	-	86	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(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.16	Pk	34.5	-16.2	0	54.46	-	-	74	-19.54	172	397	V
2	* 5.45	39	Pk	34.5	-16.2	0	57.3	-	-	74	-16.7	172	397	V
3	5.47	35.56	Pk	34.5	-16.2	0	53.86	-	-	68.2	-14.34	172	397	V
4	5.462	39.77	Pk	34.5	-16.2	0	58.07	-	-	68.2	-10.13	172	397	V
5	* 5.46	26.66	RMS	34.5	-16.2	1.65	46.61	54	-7.39	-	-	172	397	V
6	* 5.433	27.1	RMS	34.5	-16.3	1.65	46.95	54	-7.05	-	-	172	397	V

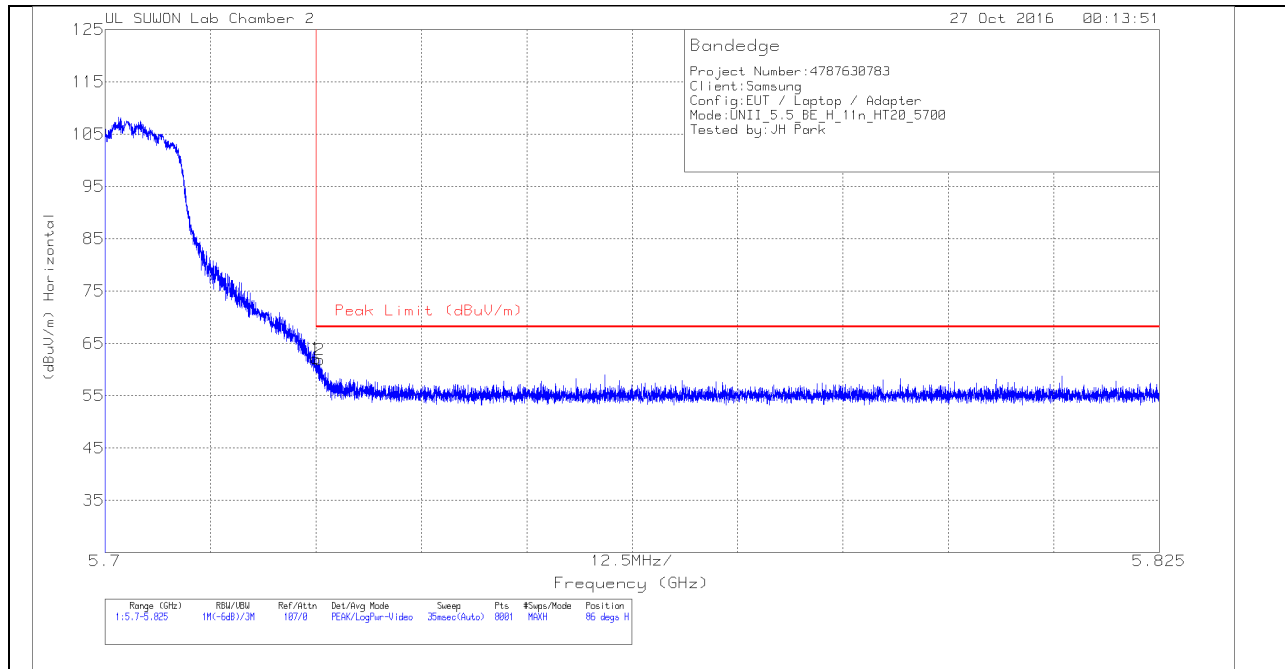
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



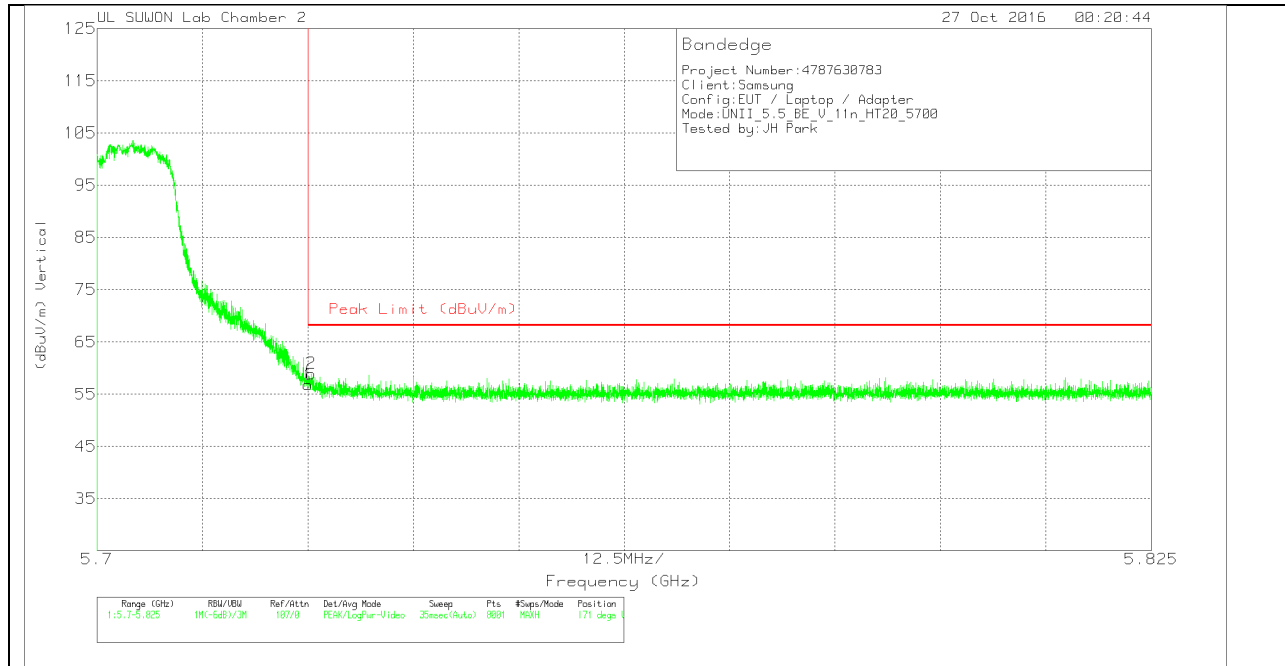
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.02	Pk	34.7	-15.6	0	62.12	68.2	-6.08	86	317	H
2	5.725	42.77	Pk	34.7	-15.6	0	61.87	68.2	-6.33	86	317	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

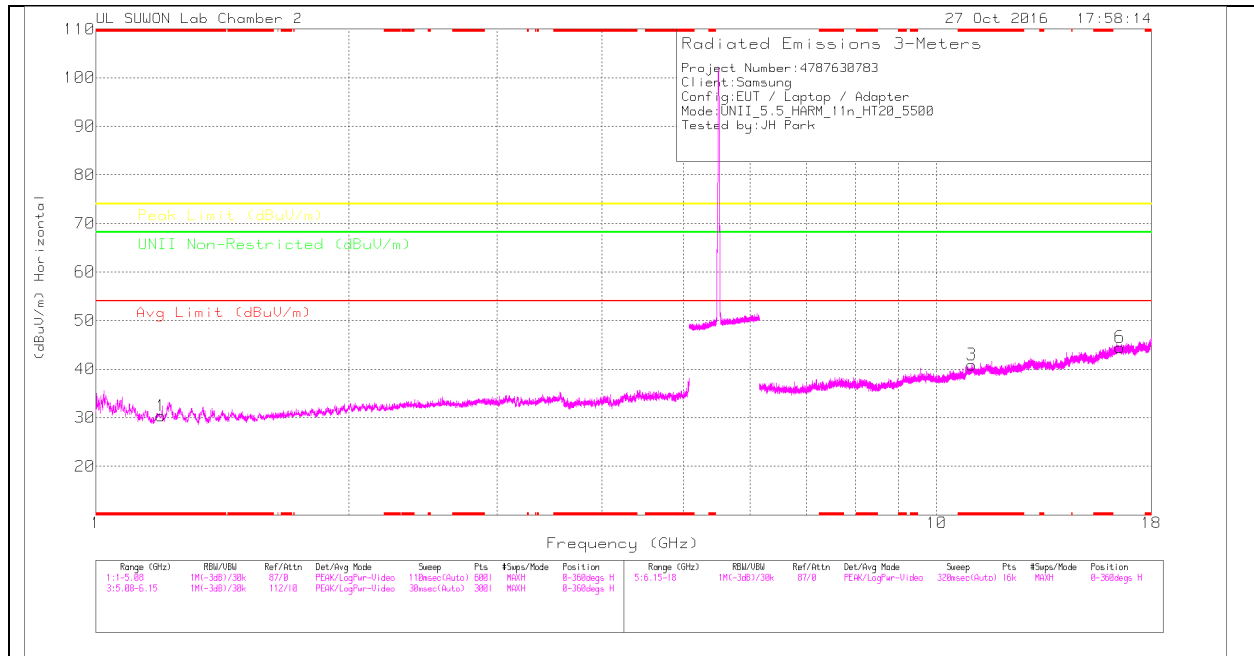
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.71	Pk	34.7	-15.6	0	56.81	68.2	-11.39	171	370	V
2	5.725	39.83	Pk	34.7	-15.6	0	58.93	68.2	-9.27	171	370	V

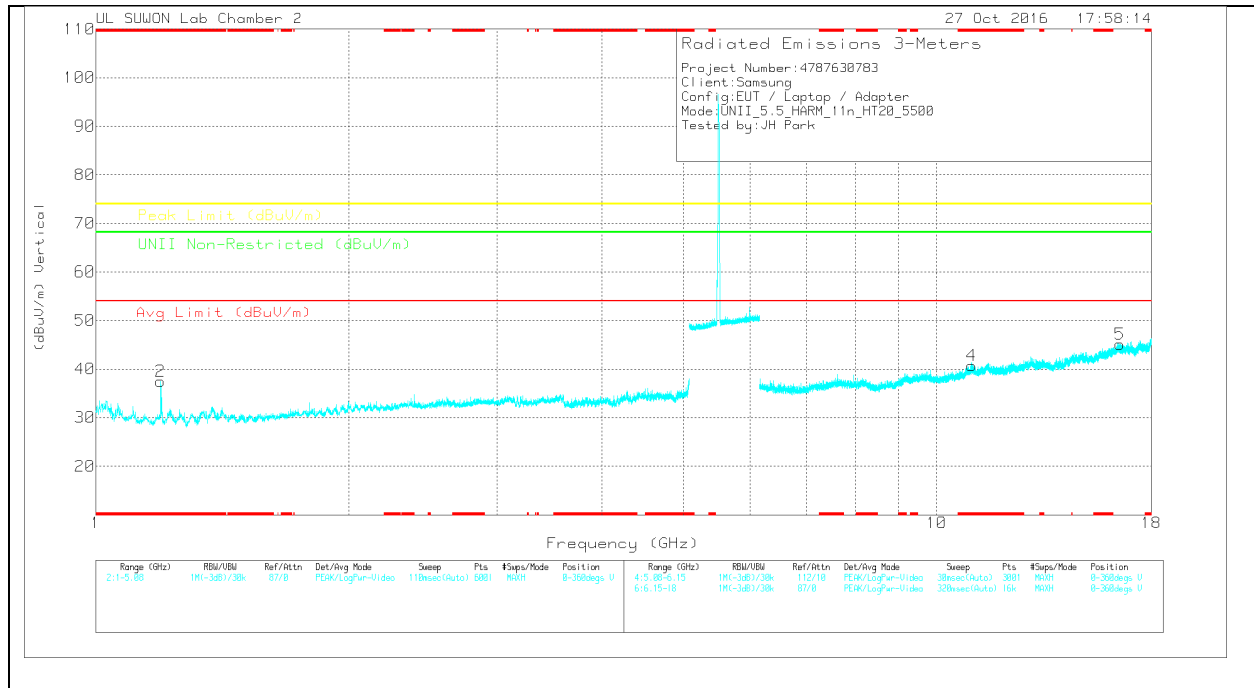
Pk - Peak detector

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

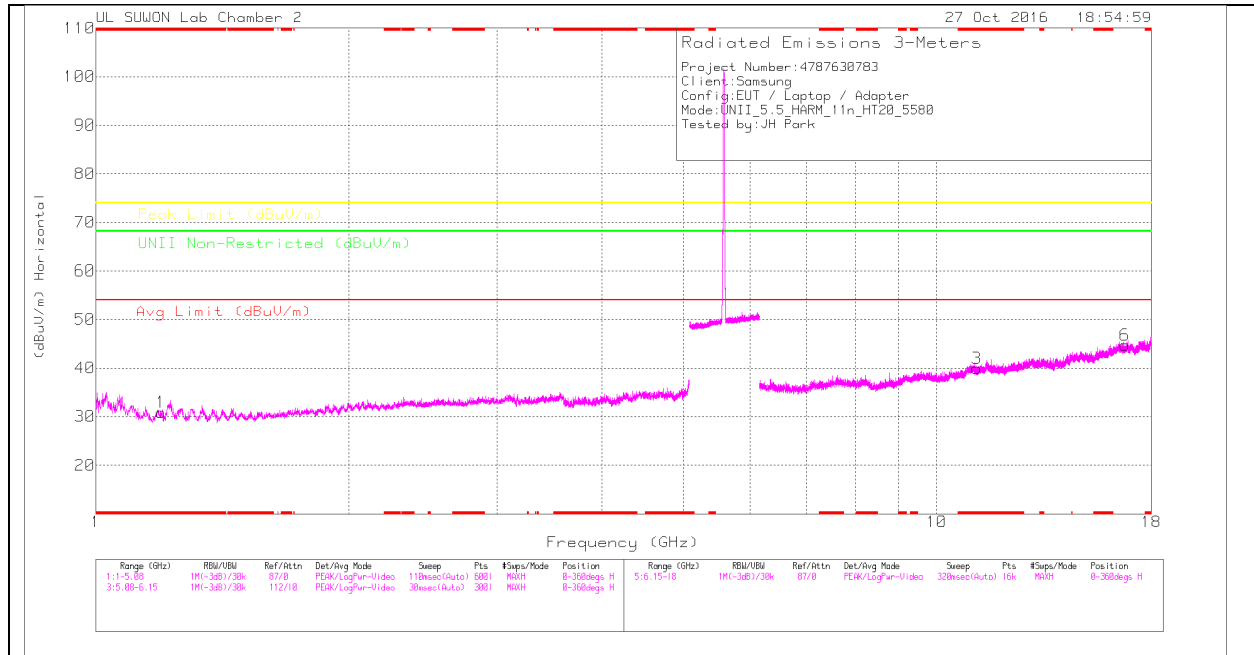
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.196	29.99	PK	28.3	-27.9	0	30.39	-	-	74	-43.61	-	-	0-360	150	H
2	* 1.194	37.09	PK	28.3	-27.9	0	37.49	-	-	74	-36.51	-	-	0-360	150	V
3	* 11.009	20.51	PK	38	-17.6	0	40.91	-	-	74	-33.09	-	-	0-360	250	H
6	16.508	19.63	PK	41	-16.1	0	44.53	-	-	-	-	68.2	-23.67	0-360	250	H
4	* 11.004	20.28	PK	38	-17.6	0	40.68	-	-	74	-33.32	-	-	0-360	250	V
5	16.508	20.23	PK	41	-16.1	0	45.13	-	-	-	-	68.2	-23.07	0-360	250	V

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

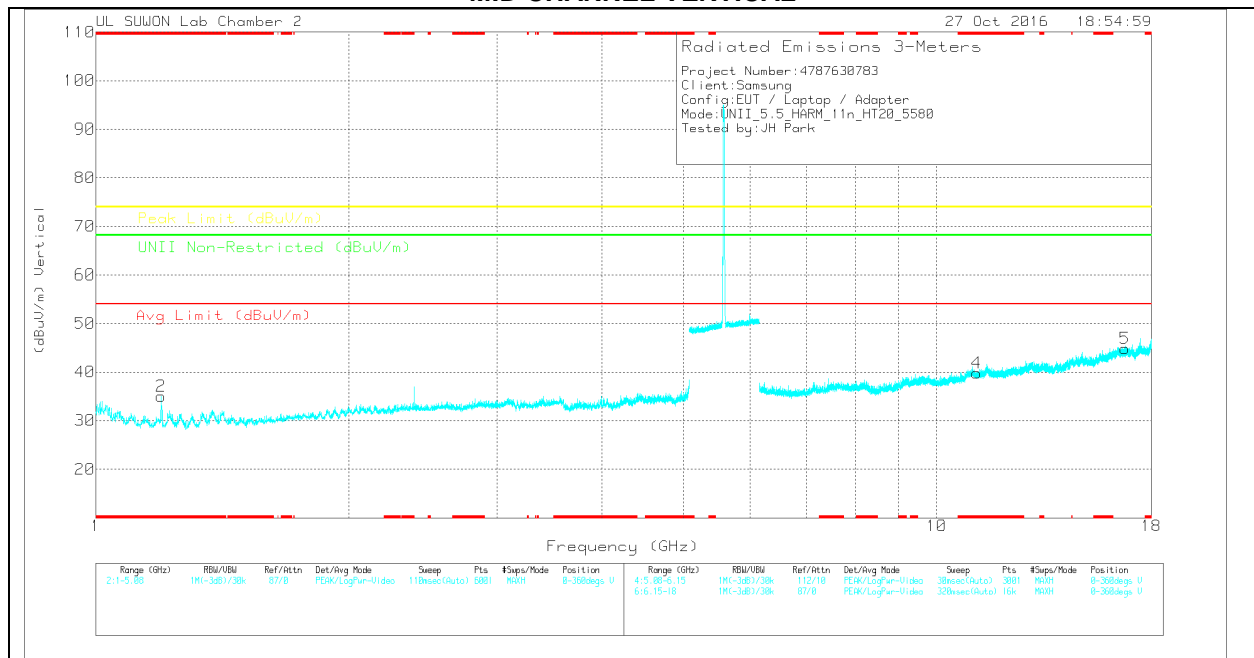
PK – Peak Detector

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

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

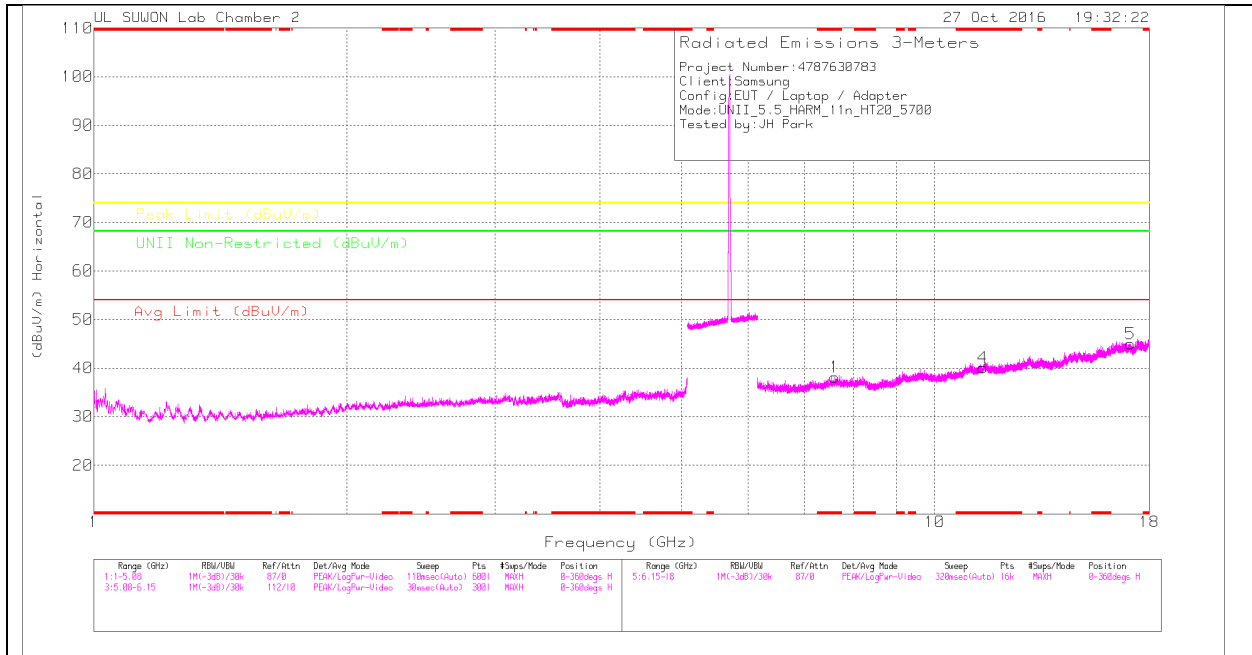
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.197	30.5	PK	28.3	-27.9	0	30.9	-	-	74	-43.1	-	-	0-360	150	H
2	* 1.196	34.68	PK	28.3	-27.9	0	35.08	-	-	74	-38.92	-	-	0-360	250	V
3	* 11.164	19.5	PK	38.1	-17.7	0	39.9	-	-	74	-34.1	-	-	0-360	150	H
6	16.744	19.35	PK	41	-15.6	0	44.75	-	-	-	-	68.2	-23.45	0-360	150	H
4	* 11.159	19.45	PK	38.1	-17.7	0	39.85	-	-	74	-34.15	-	-	0-360	250	V
5	16.731	19.6	PK	41	-15.7	0	44.9	-	-	-	-	68.2	-23.3	0-360	250	V

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

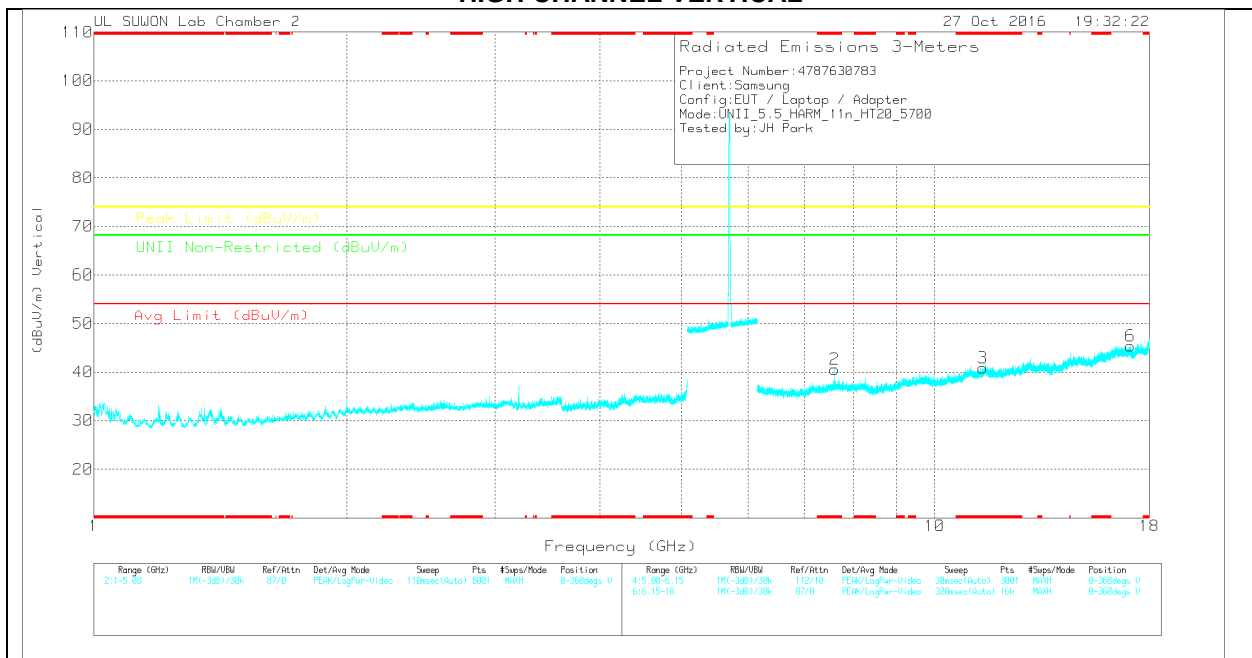
PK – Peak Detector

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

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 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.6	23.71	PK	36.1	-21.7	0	38.11	-	-	74	-35.89	-	-	0-360	250	H
4	* 11.407	18.99	PK	38.3	-17.2	0	40.09	-	-	74	-33.91	-	-	0-360	250	H
5	17.096	19.17	PK	41.1	-15.3	0	44.97	-	-	-	-	68.2	-23.23	0-360	250	H
2	* 7.6	26.18	PK	36.1	-21.7	0	40.58	-	-	74	-33.42	-	-	0-360	250	V
3	* 11.401	19.69	PK	38.3	-17.2	0	40.79	-	-	74	-33.21	-	-	0-360	250	V
6	17.099	19.55	PK	41.1	-15.3	0	45.35	-	-	-	-	68.2	-22.85	0-360	250	V

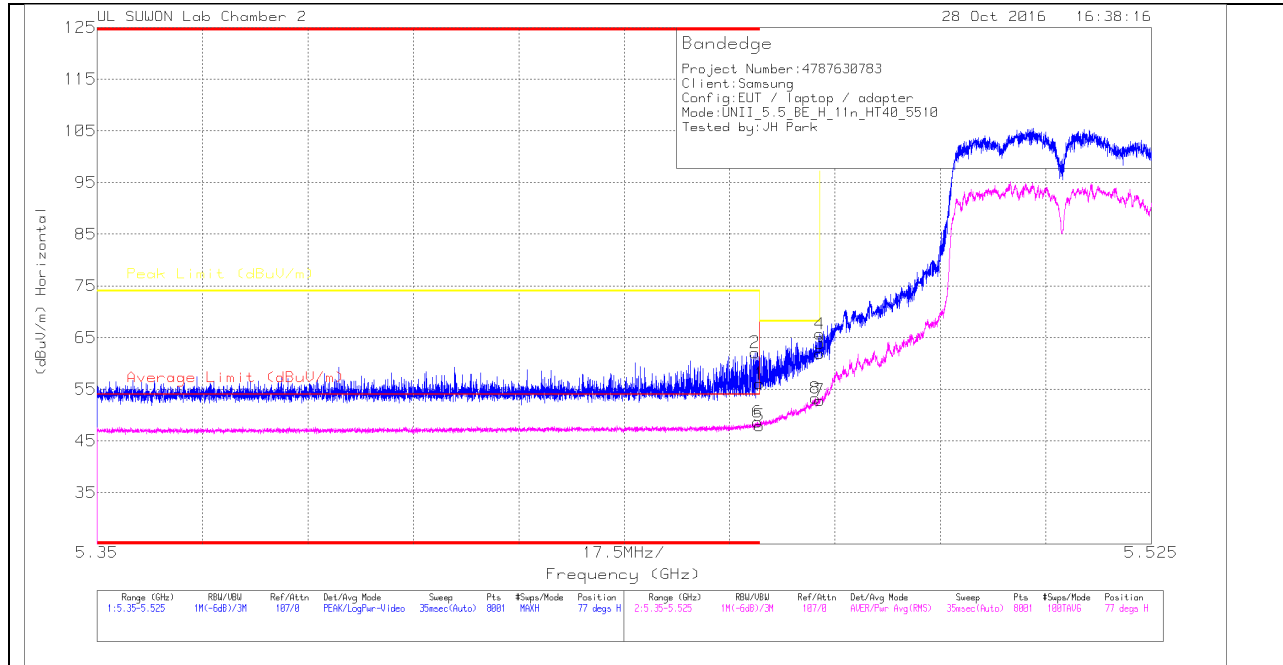
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

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

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

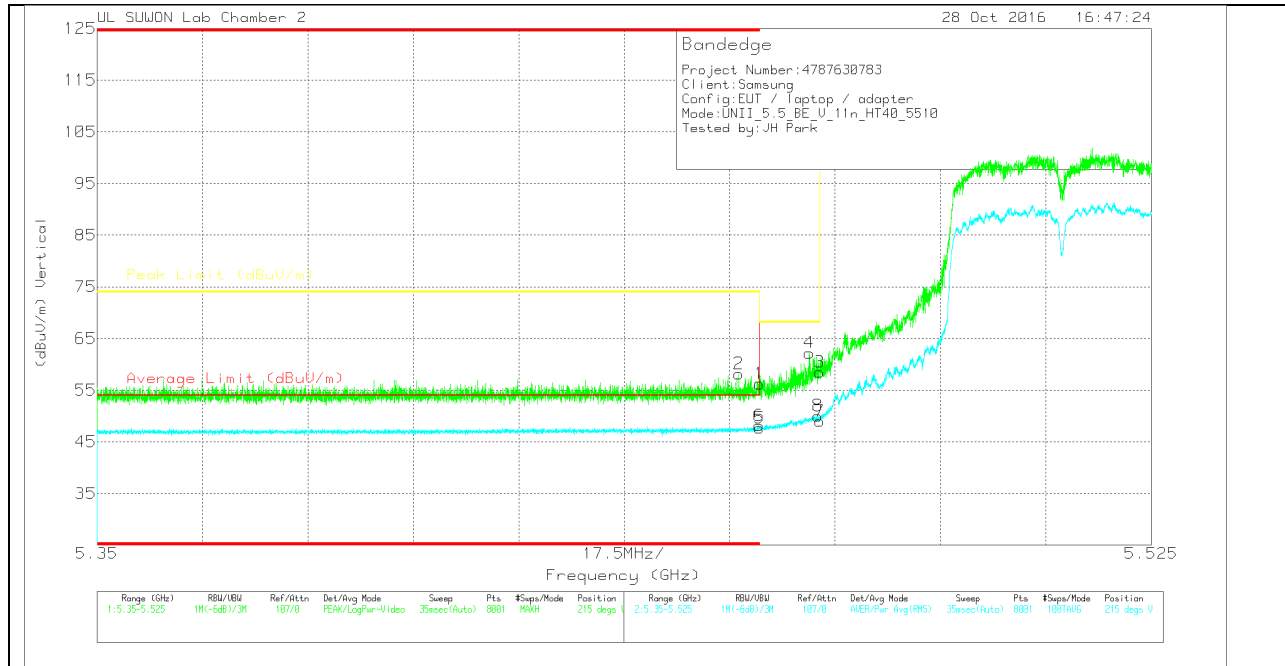
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.8	PK	34.5	-16.2	0	56.1	-	-	74	-17.9	77	395	H
2	* 5.459	43.77	PK	34.5	-16.2	0	62.07	-	-	74	-11.93	77	395	H
3	5.47	43.66	PK	34.5	-16.2	0	61.96	-	-	68.2	-6.24	77	395	H
4	5.47	47.38	PK	34.5	-16.2	0	65.68	-	-	68.2	-2.52	77	395	H
5	* 5.46	27.11	RMS	34.5	-16.2	2.53	47.94	54	-6.06	-	-	77	395	H
6	* 5.46	27.8	RMS	34.5	-16.2	2.53	48.63	54	-5.37	-	-	77	395	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.97	Pk	34.5	-16.2	0	56.27	-	-	74	-17.73	215	357	V
2	* 5.457	39.88	Pk	34.5	-16.2	0	58.18	-	-	74	-15.82	215	357	V
3	5.47	40.2	Pk	34.5	-16.2	0	58.5	-	-	68.2	-9.7	215	357	V
4	5.468	43.92	Pk	34.5	-16.2	0	62.22	-	-	68.2	-5.98	215	357	V
5	* 5.46	26.84	RMS	34.5	-16.2	2.53	47.67	54	-6.33	-	-	215	357	V
6	* 5.46	27.33	RMS	34.5	-16.2	2.53	48.16	54	-5.84	-	-	215	357	V

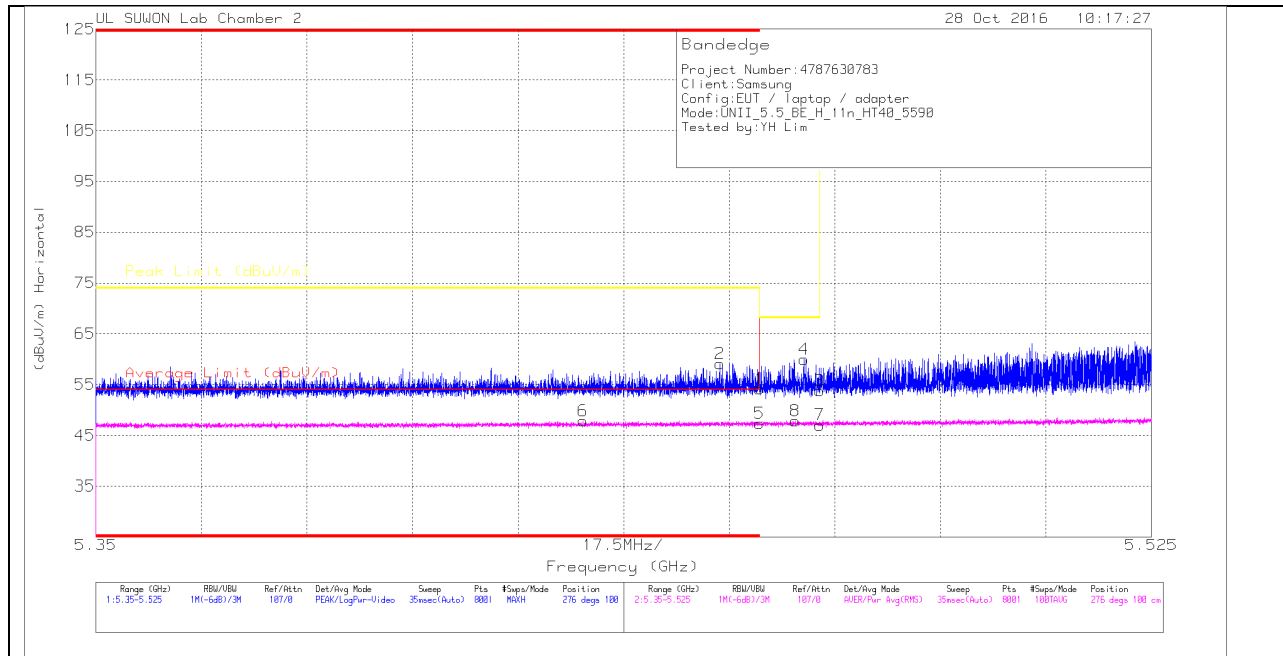
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEGE (MID CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 24_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	35.89	PK	34.5	-16.2	0	54.19	-	-	74	-19.81	276	100	H
2	* 5.453	40.8	PK	34.5	-16.2	0	59.1	-	-	74	-14.9	276	100	H
3	5.47	35.51	PK	34.5	-16.2	0	53.81	-	-	68.2	-14.39	276	100	H
4	5.467	41.62	PK	34.5	-16.2	0	59.92	-	-	68.2	-8.28	276	100	H
5	* 5.46	26.52	RMS	34.5	-16.2	2.53	47.35	54	-6.65	-	-	276	100	H
6	* 5.431	27.17	RMS	34.5	-16.3	2.53	47.9	54	-6.1	-	-	276	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 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.85	Pk		-16.2	0	56.15	-	-	74	-17.85	226	384	V
2	* 5.428	39.96	Pk		-16.3	0	58.16	-	-	74	-15.84	226	384	V
3	5.47	37.36	Pk		-16.2	0	55.66	-	-	68.2	-12.54	226	384	V
4	5.466	39.27	Pk		-16.2	0	57.57	-	-	68.2	-10.63	226	384	V
5	* 5.46	26.27	RMS		-16.2	2.53	47.1	54	-6.9	-	-	226	384	V
6	* 5.414	27.25	RMS		-16.3	2.53	47.88	54	-6.12	-	-	226	384	V

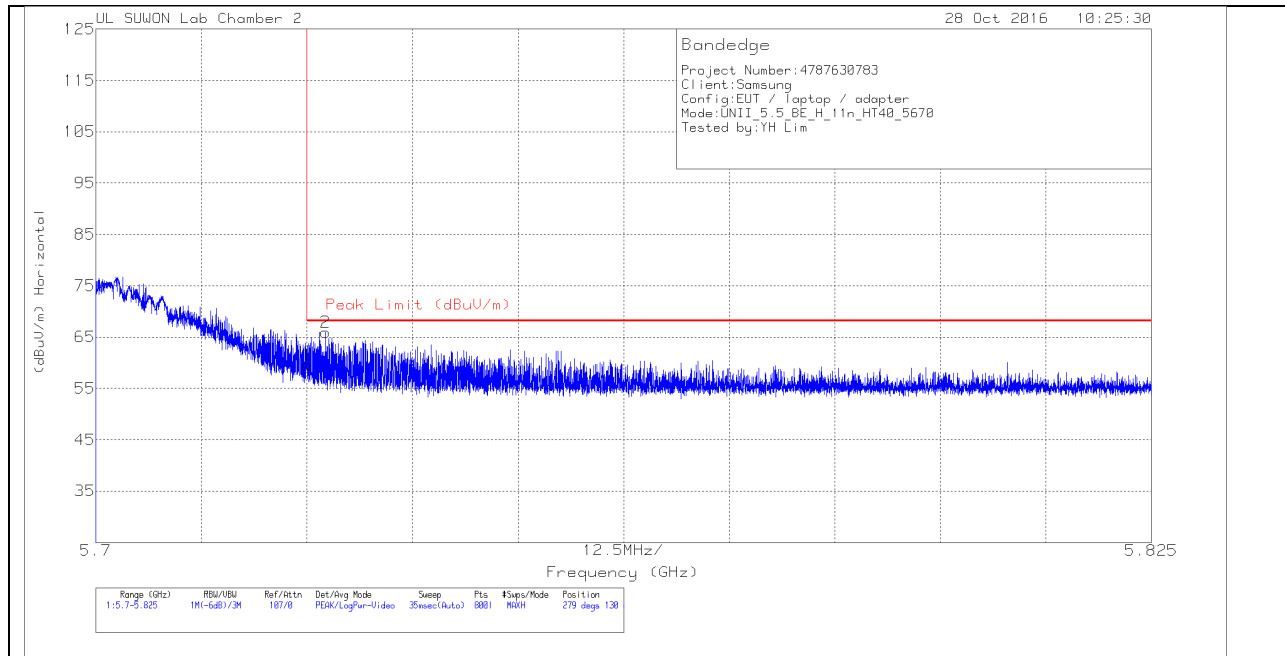
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



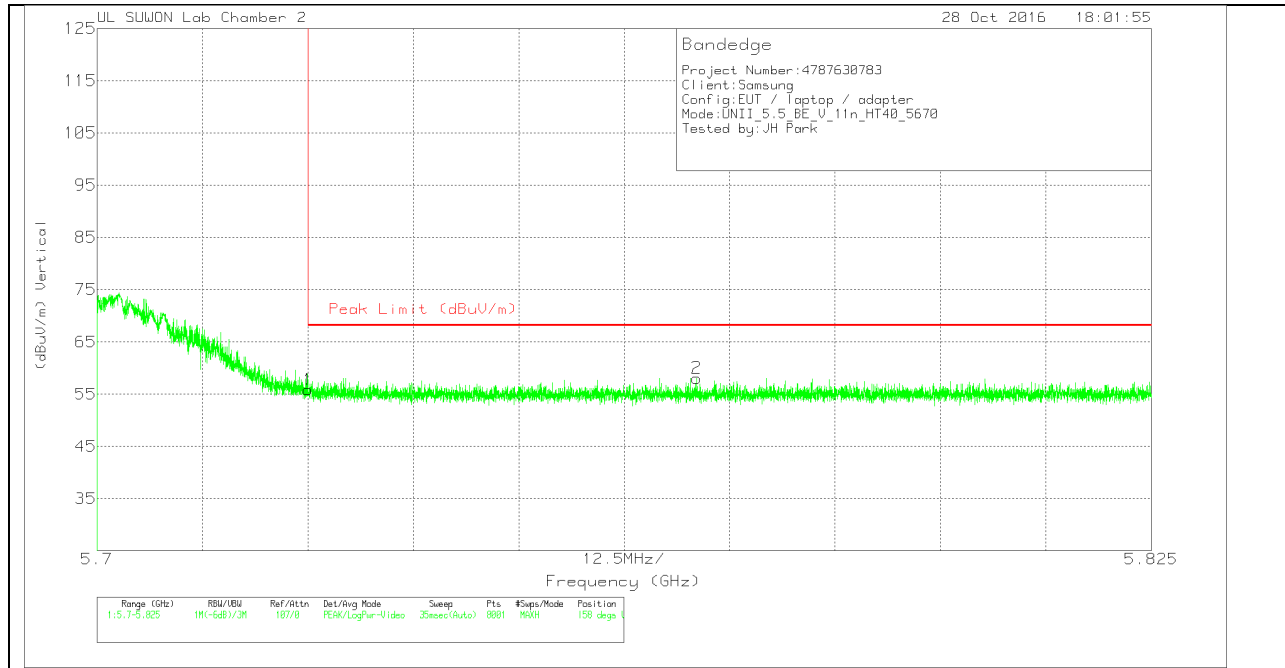
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.47	Pk	34.7	-15.6	0	59.57	68.2	-8.63	279	130	H
2	5.727	46.88	Pk	34.7	-15.6	0	65.98	68.2	-2.22	279	130	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

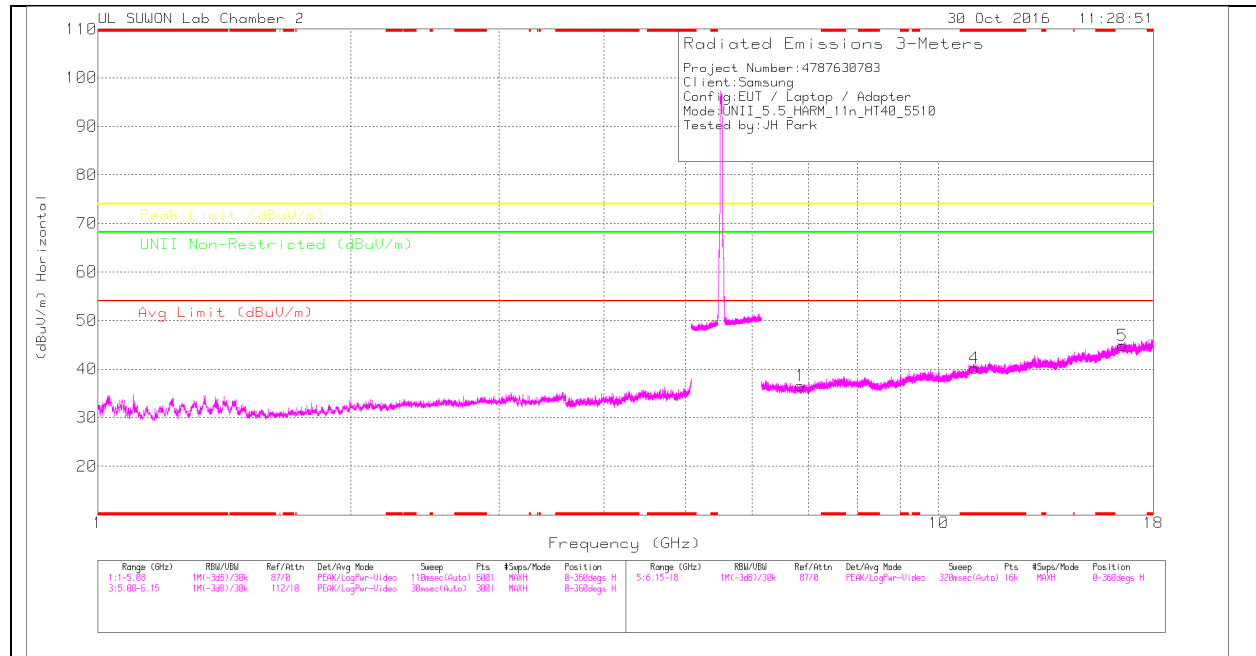
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.73	Pk	34.7	-15.6	0	55.83	68.2	-12.37	158	387	V
2	5.771	38.87	Pk	34.7	-15.5	0	58.07	68.2	-10.13	158	387	V

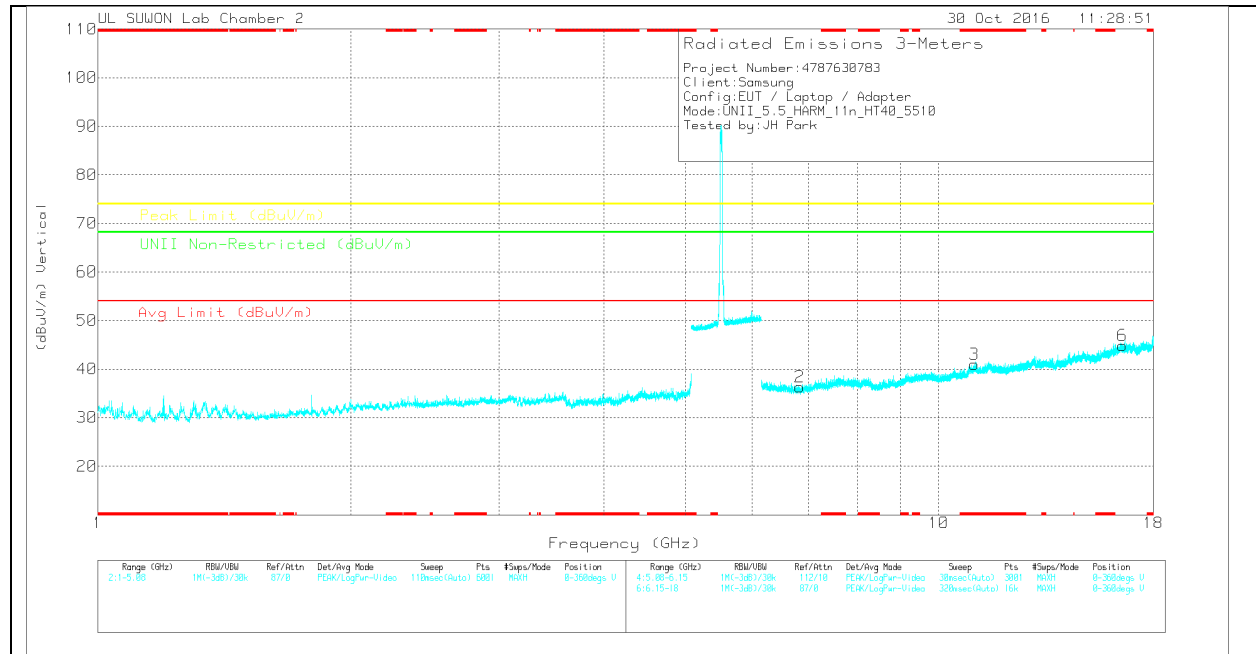
Pk - Peak detector

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

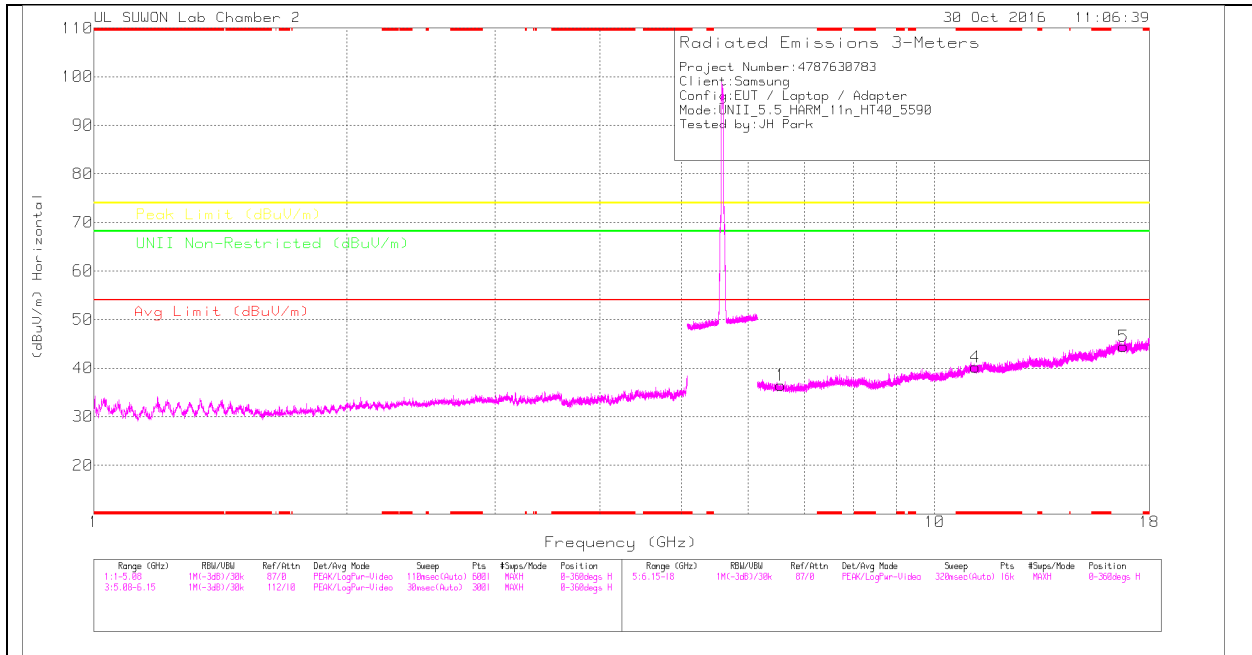
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.848	24.33	PK	35.5	-23.2	0	36.63	-	-	-	-	68.2	-31.57	0-360	250	H
4	* 11.022	19.85	PK	38	-17.6	0	40.25	-	-	74	-33.75	-	-	0-360	250	H
5	16.528	19.92	PK	41	-16.1	0	44.82	-	-	-	-	68.2	-23.38	0-360	150	H
2	6.838	23.98	PK	35.4	-23.1	0	36.28	-	-	-	-	68.2	-31.92	0-360	250	V
3	* 11.019	20.59	PK	38	-17.6	0	40.99	-	-	74	-33.01	-	-	0-360	250	V
6	16.529	19.95	PK	41	-16.1	0	44.85	-	-	-	-	68.2	-23.35	0-360	150	V

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

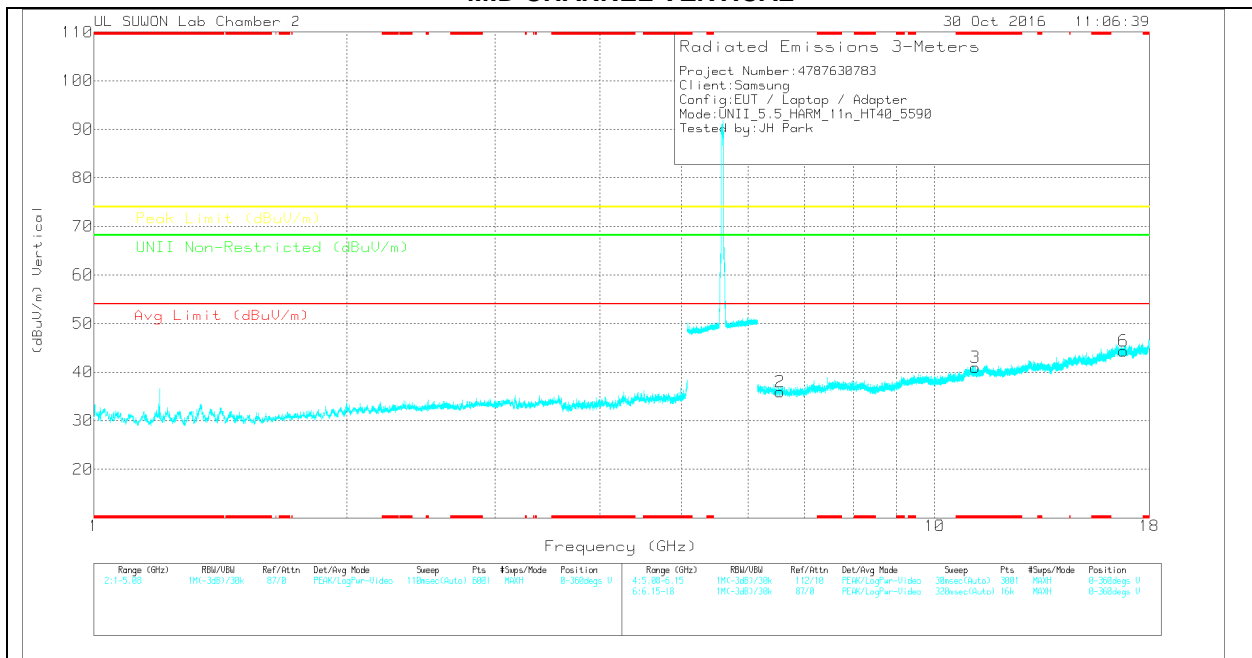
PK – Peak Detector

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 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.56	24.65	PK	35.3	-23.5	0	36.45	-	-	-	-	68.2	-31.75	0-360	150	H
4	* 11.179	19.77	PK	38.1	-17.7	0	40.17	-	-	74	-33.83	-	-	0-360	150	H
5	16.769	18.92	PK	41	-15.5	0	44.42	-	-	-	-	68.2	-23.78	0-360	150	H
2	6.551	24.27	PK	35.3	-23.6	0	35.97	-	-	-	-	68.2	-32.23	0-360	150	V
3	* 11.179	20.52	PK	38.1	-17.7	0	40.92	-	-	74	-33.08	-	-	0-360	150	V
6	16.765	18.81	PK	41	-15.5	0	44.31	-	-	-	-	68.2	-23.89	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).