

9.4. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

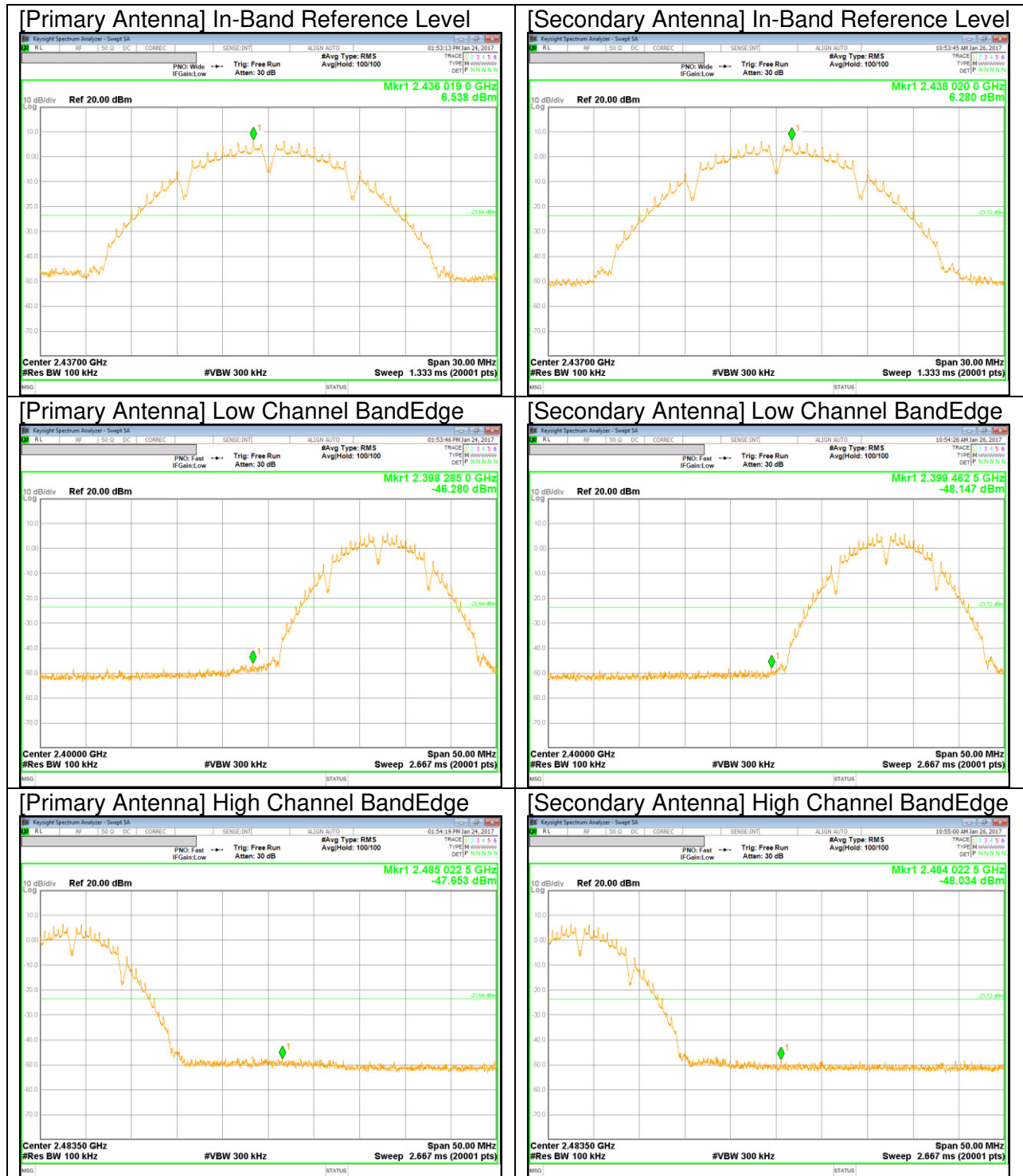
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

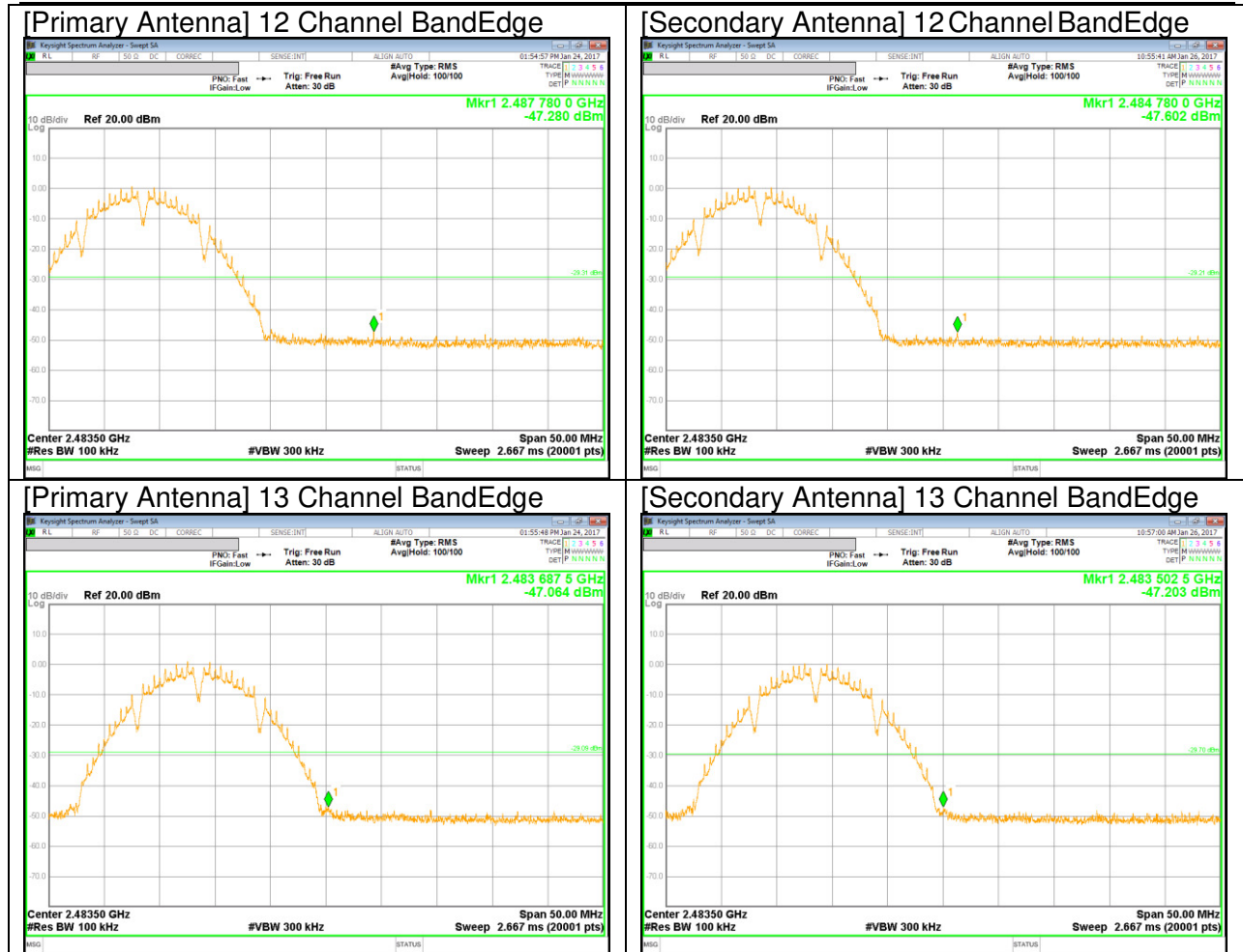
TEST PROCEDURE

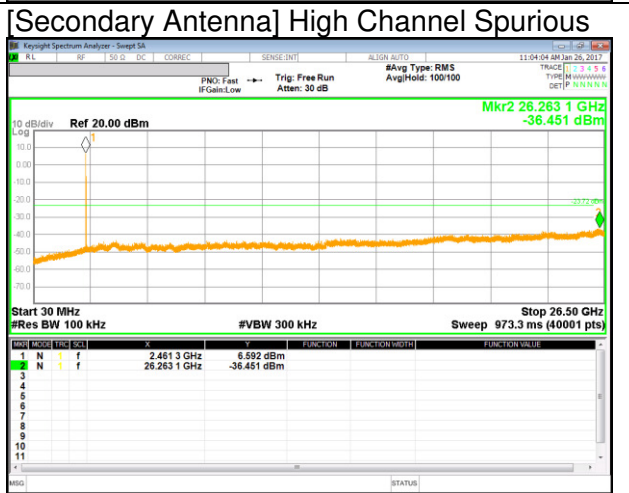
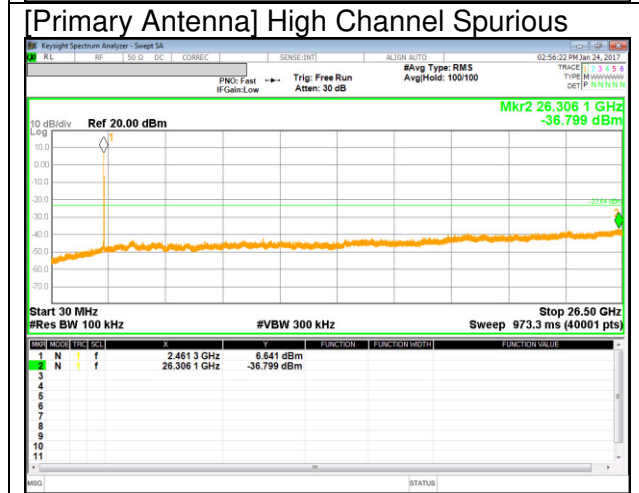
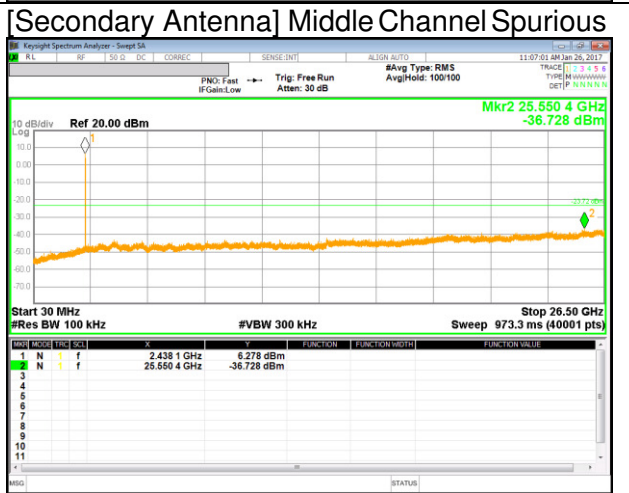
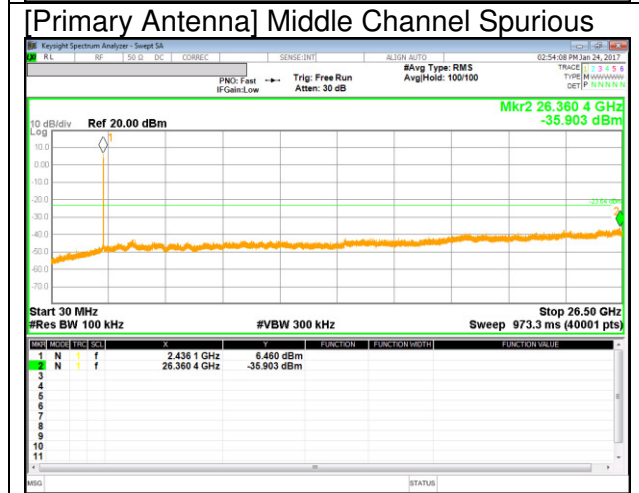
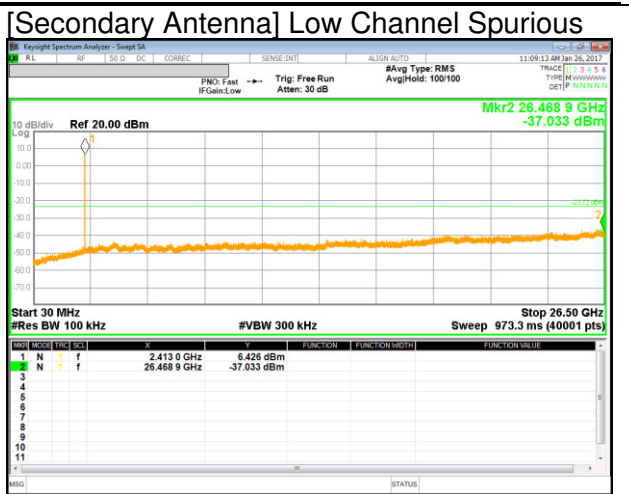
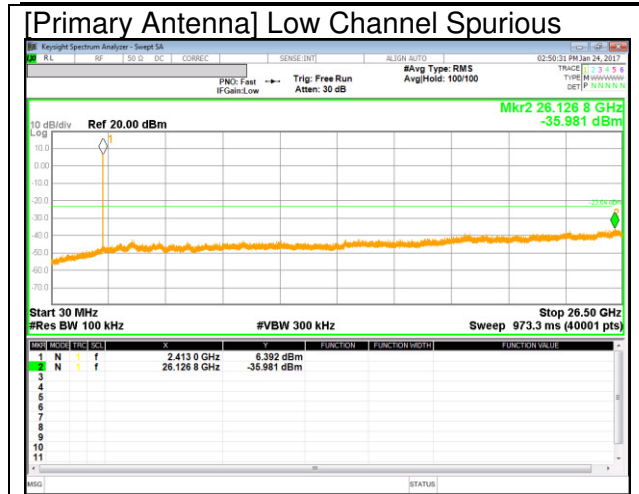
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

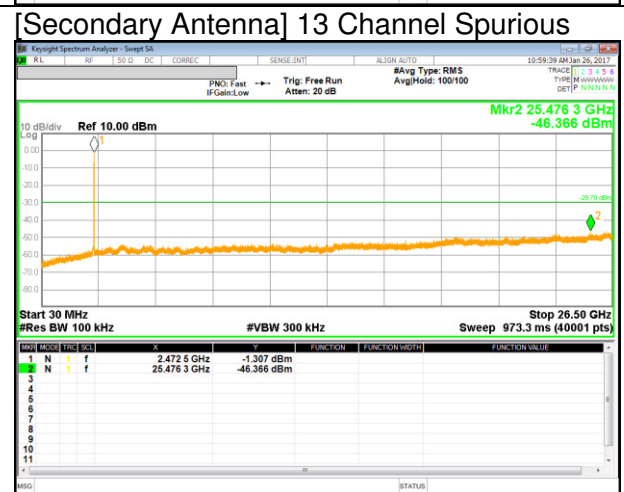
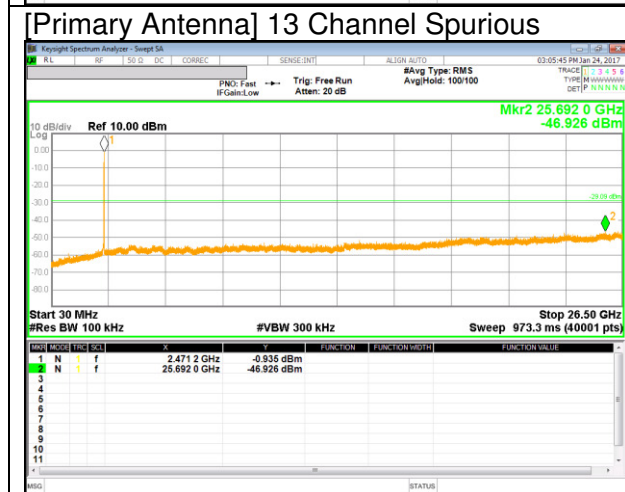
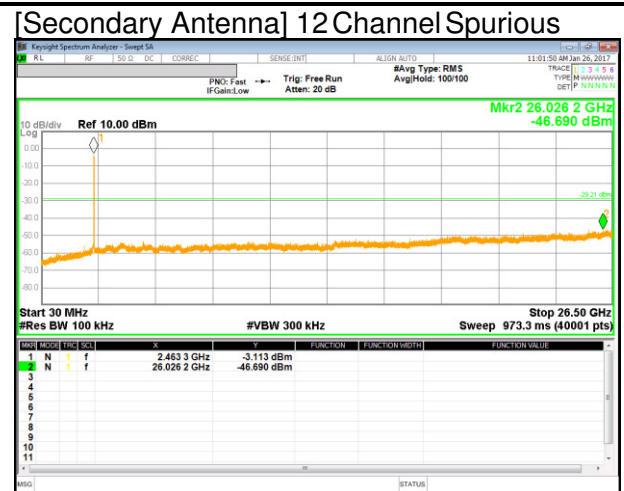
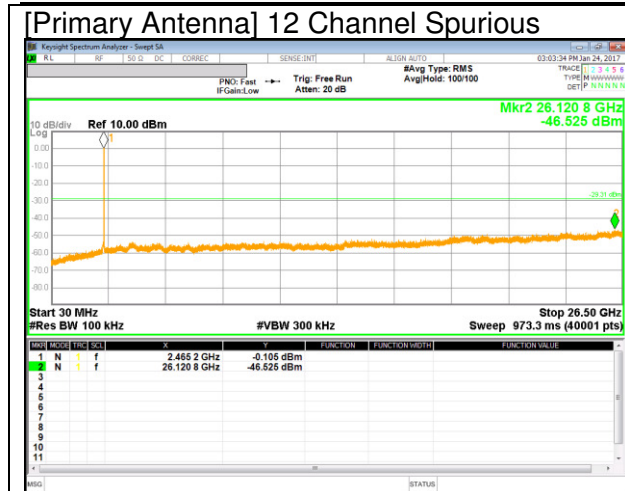
RESULTS

9.4.1. 802.11b MODE IN THE 2.4 GHz BAND

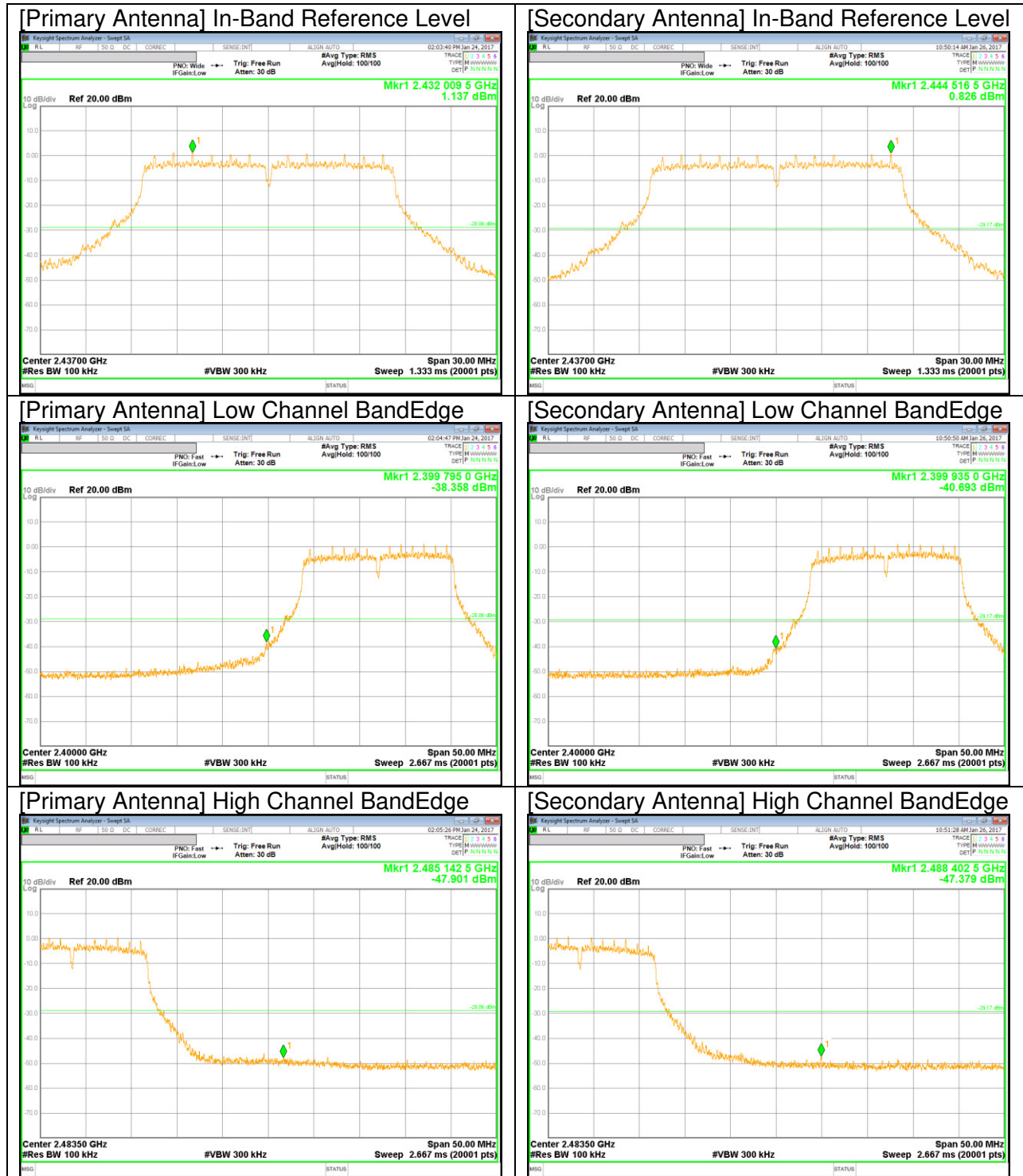


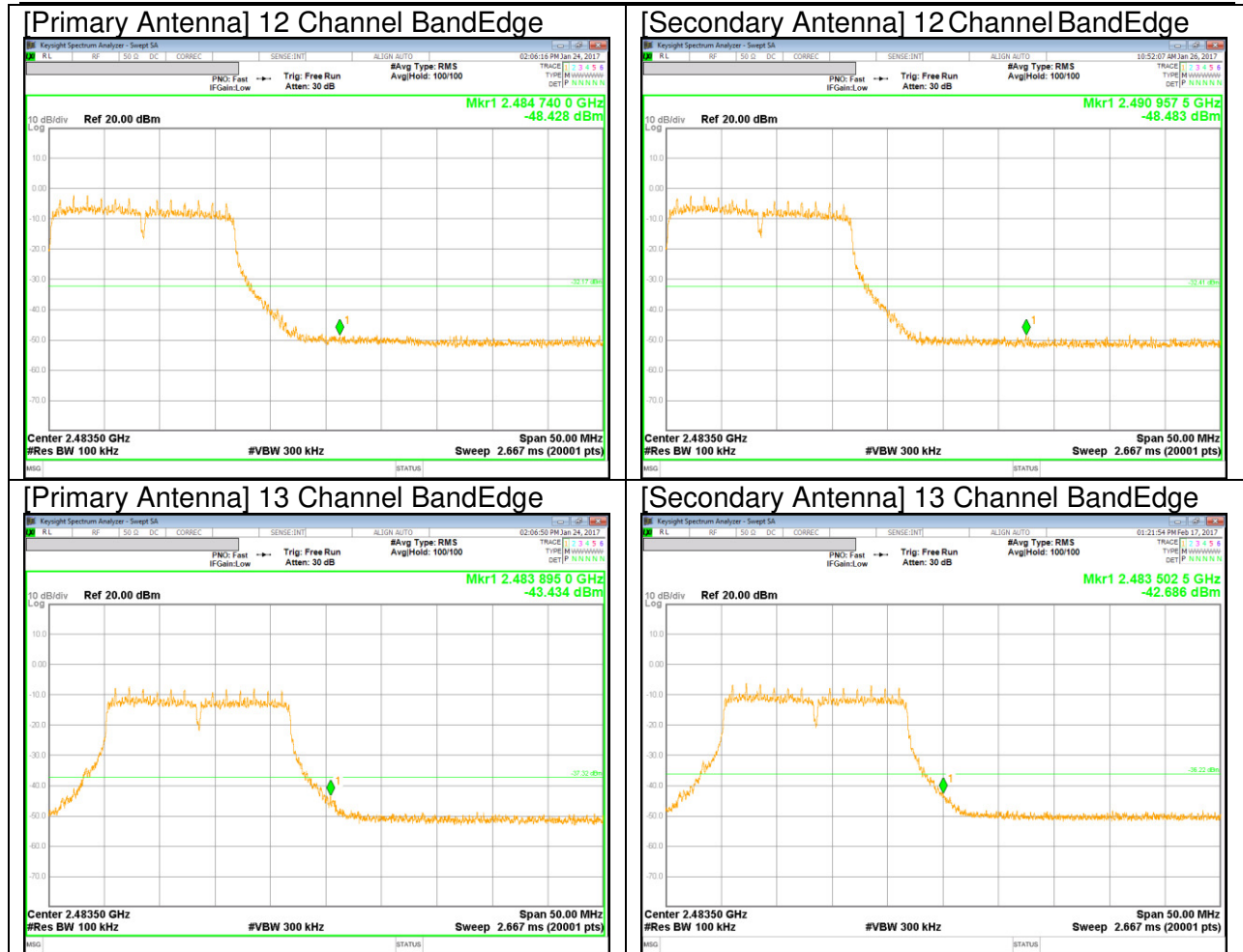




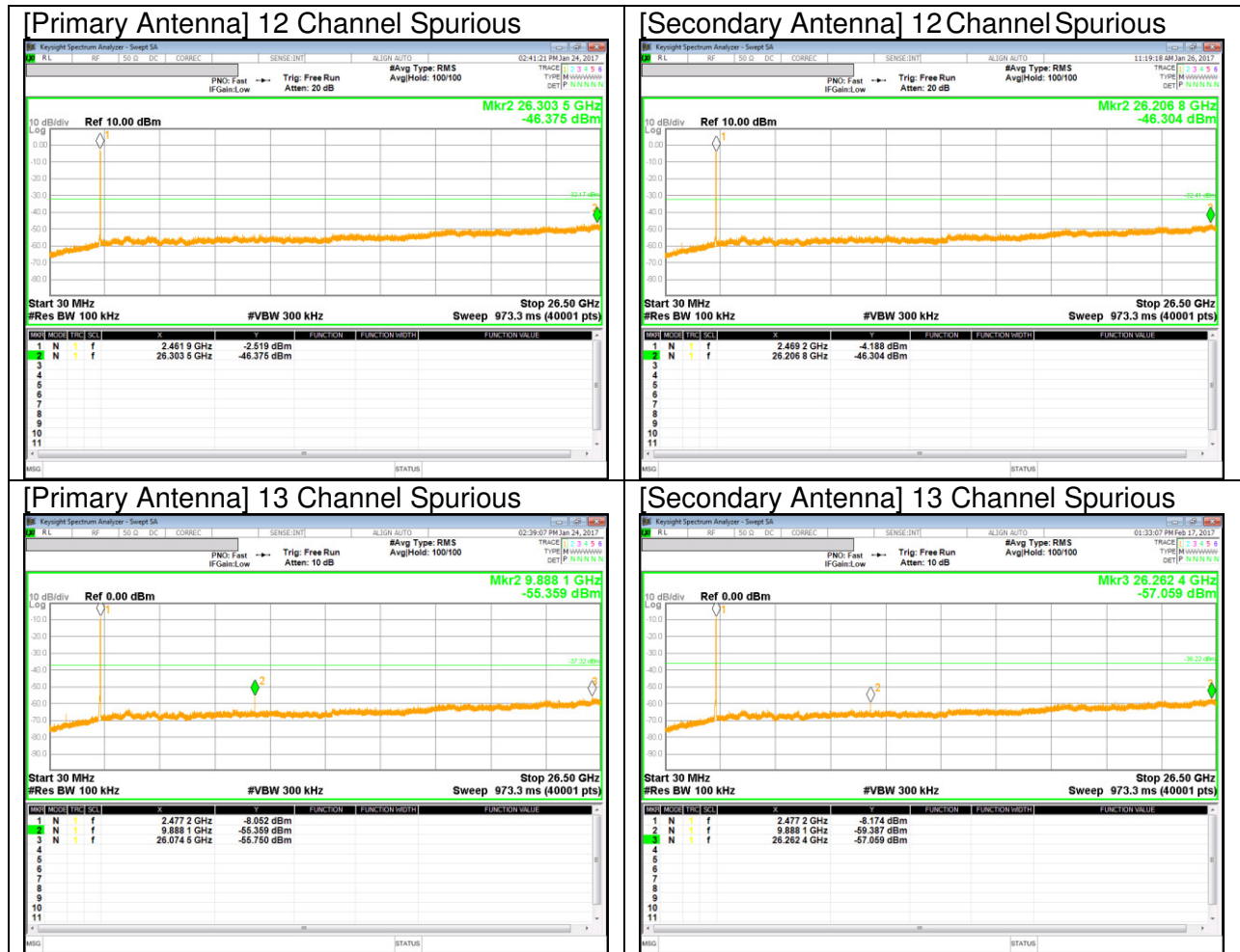


9.4.2. 802.11g MODE IN THE 2.4 GHz BAND

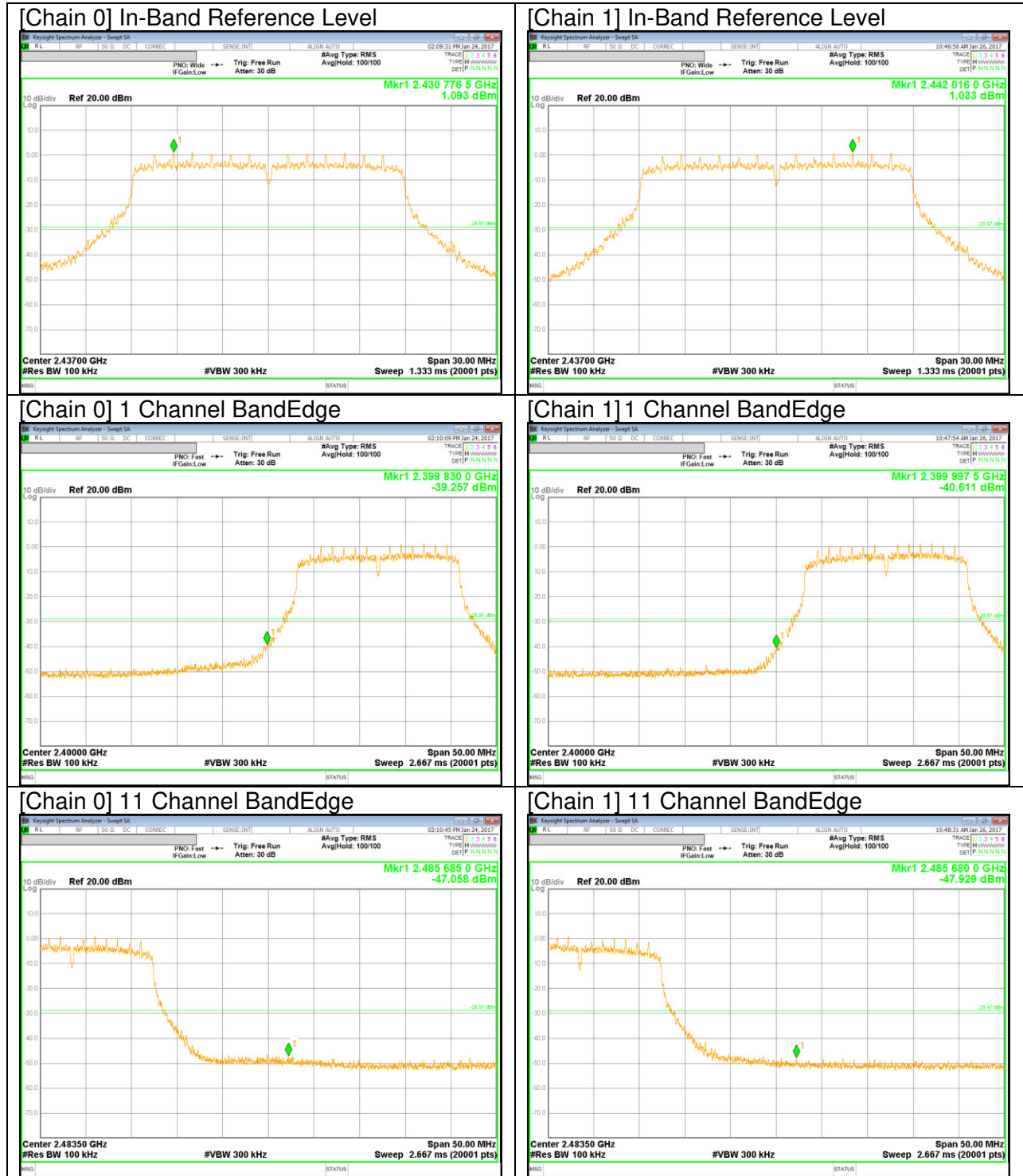


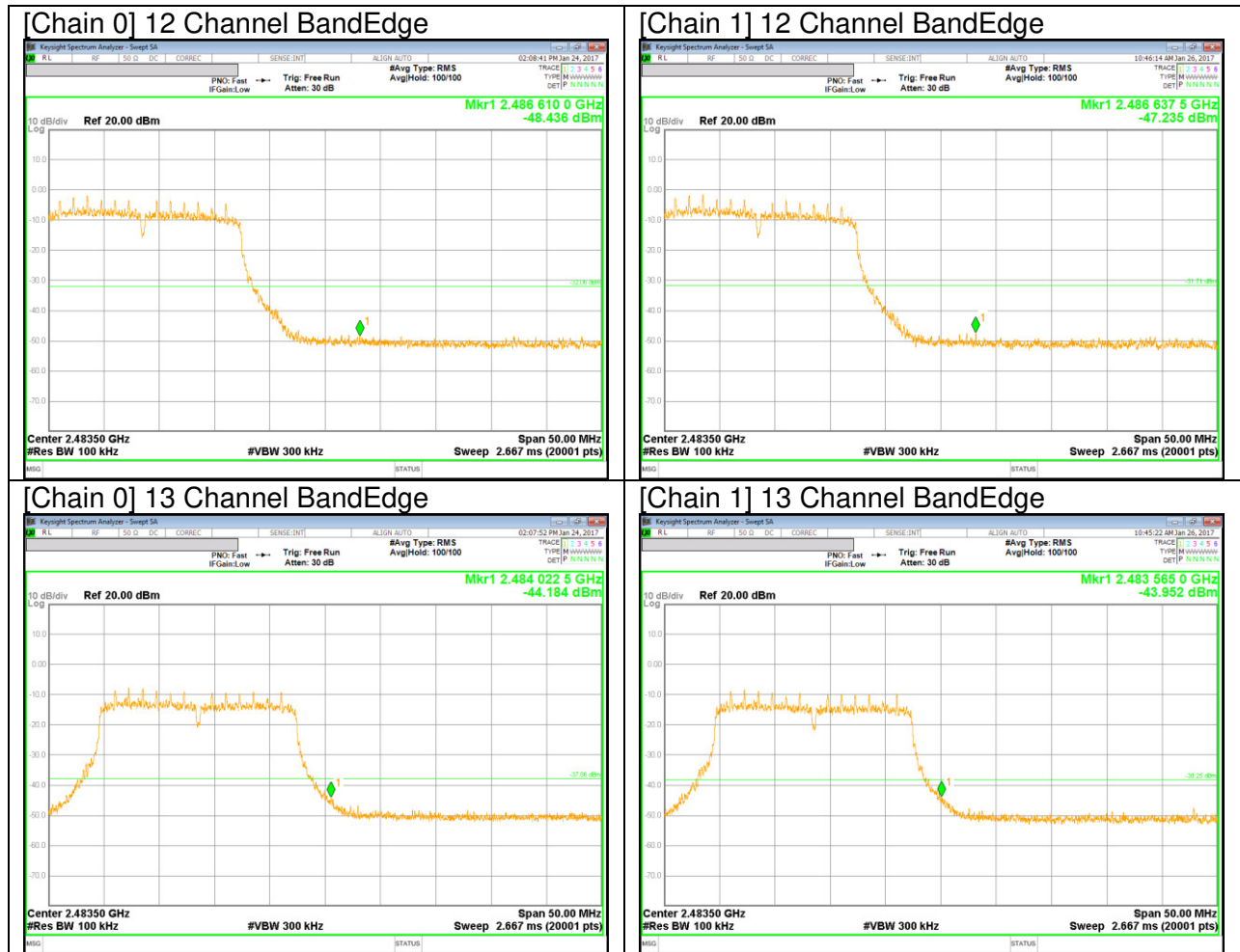




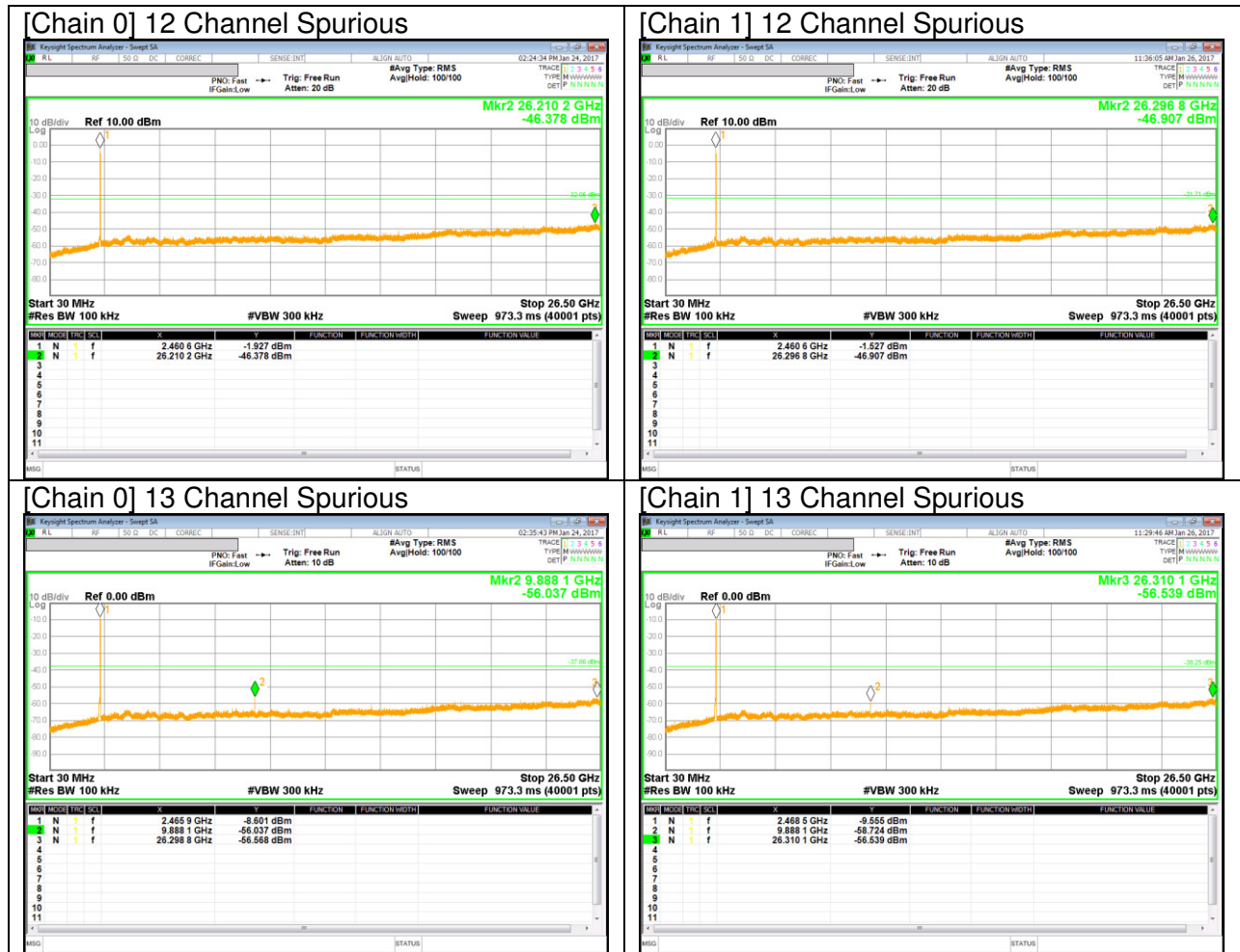


9.4.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND









10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

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.

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.

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 for average measurements. (Restricted bandedge, Final detection of spurious harmonic emissions)
Duty cycle factor= $10\log(1/x)$ For this sample B mode = 0dB (duty cycle >98%); G mode = 0.24dB; N20 mode = 0.25dB.

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 26 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.

Unwanted emissions within Restricted Bands are measured using traditional radiated procedures.

Band edge emissions within Restricted Bands are measured using RMS with duty cycle factor offset method.

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 filed strength from uV/m to dBuV/m is:

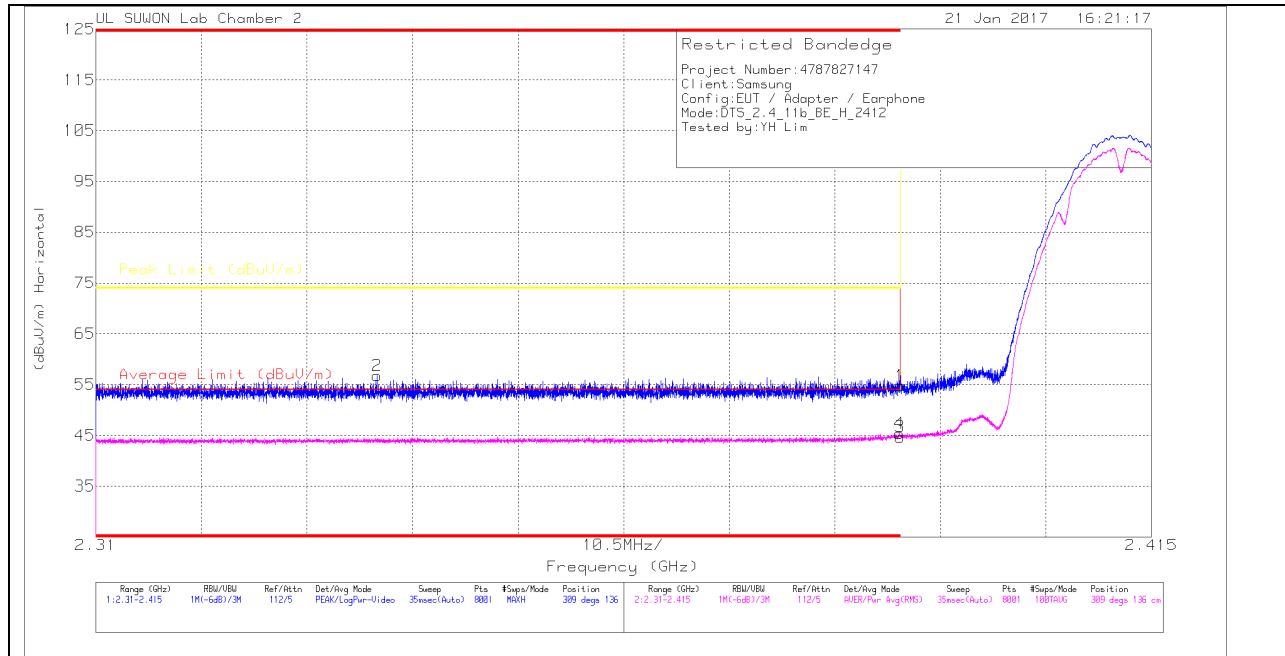
Limit (dBuV/m) = $20 \log \text{limit (uV/m)}$

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 937606.

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND ANT1 RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

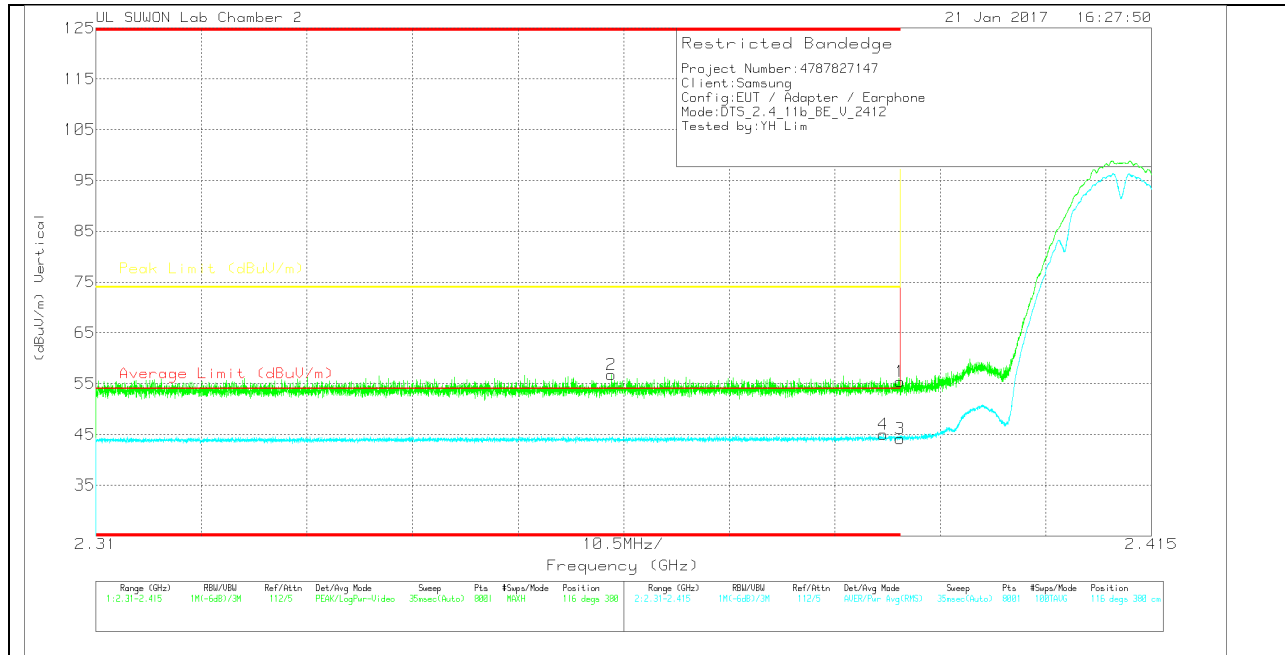
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.23	Pk	31.7	-18.2	0	54.73	-	-	74	-19.27	309	136	H
2	* 2.338	43.46	Pk	31.6	-18.3	0	56.76	-	-	74	-17.24	309	136	H
3	* 2.39	31.2	RMS	31.7	-18.2	0	44.7	54	-9.3	-	-	309	136	H
4	* 2.39	31.86	RMS	31.7	-18.2	0	45.36	54	-8.64	-	-	309	136	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	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	* 2.39	41.9	PK	31.7	-18.2	0	55.4	-	-	74	-18.6	116	380	V
2	* 2.361	43.4	PK	31.7	-18.3	0	56.8	-	-	74	-17.2	116	380	V
3	* 2.39	30.69	RMS	31.7	-18.2	0	44.19	54	-9.81	-	-	116	380	V
4	* 2.388	31.49	RMS	31.7	-18.2	0	44.99	54	-9.01	-	-	116	380	V

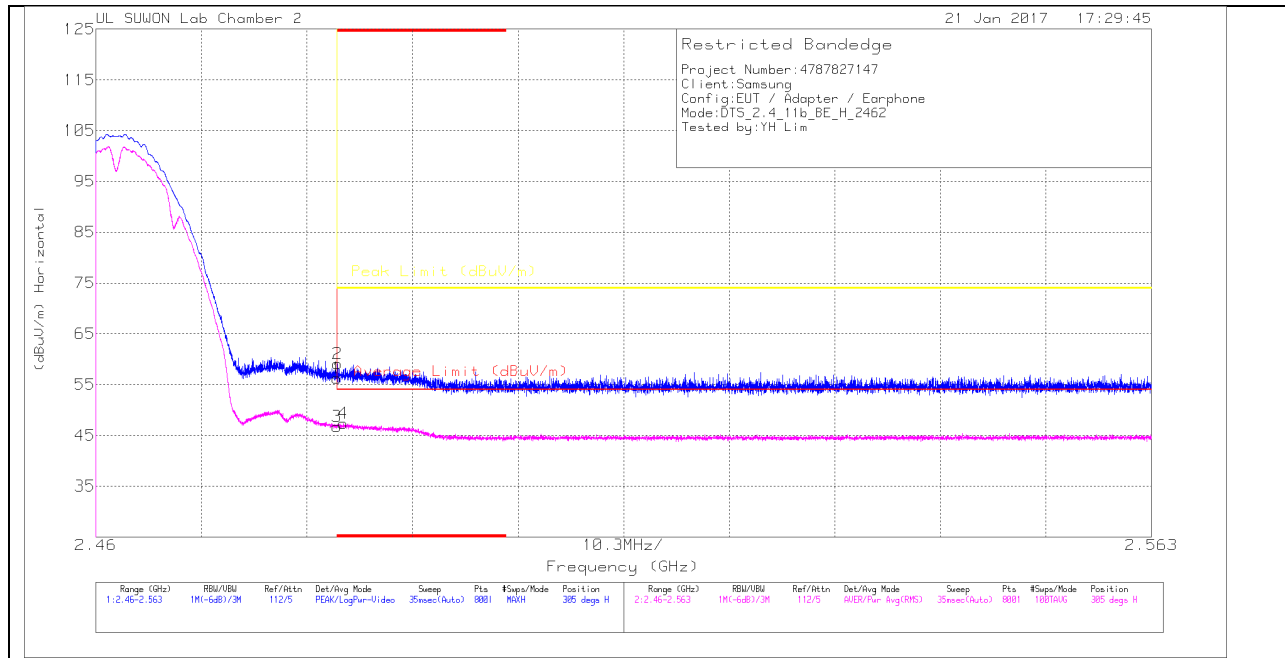
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

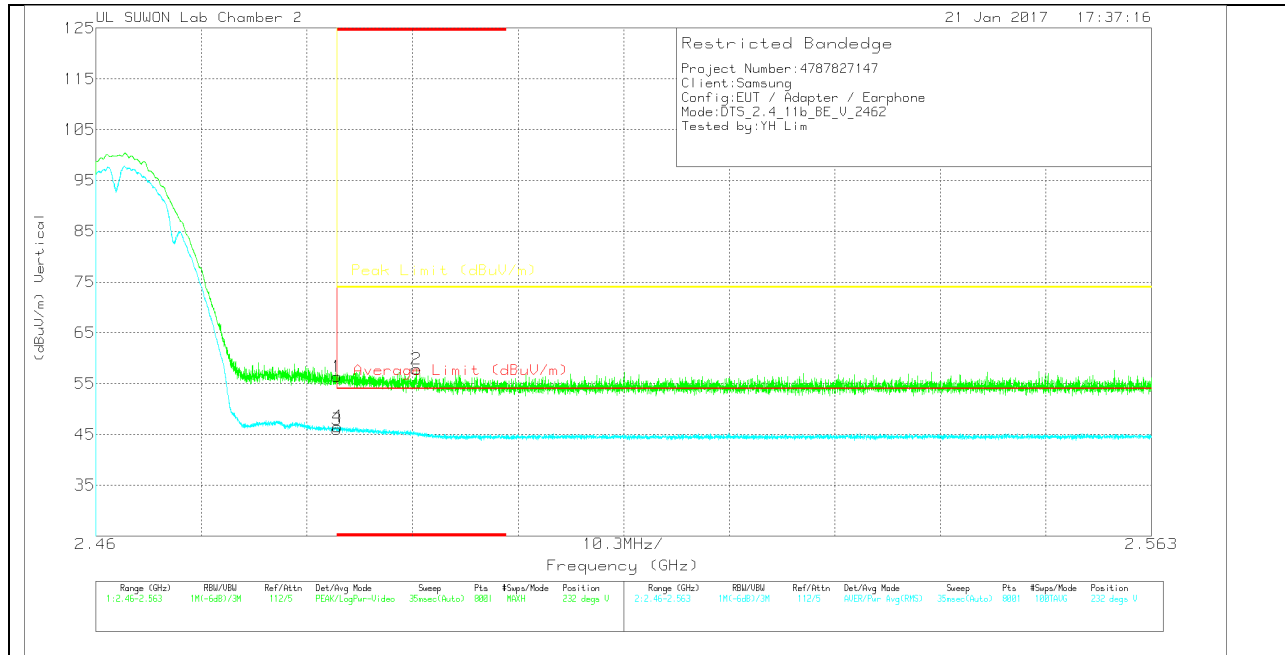
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.47	Pk	31.8	-18	0	56.27	-	-	74	-17.73	305	198	H
2	* 2.484	45.36	Pk	31.8	-18	0	59.16	-	-	74	-14.84	305	198	H
3	* 2.484	32.96	RMS	31.8	-18	0	46.76	54	-7.24	-	-	305	198	H
4	* 2.484	33.61	RMS	31.8	-18	0	47.41	54	-6.59	-	-	305	198	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)	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	* 2.484	42.59	Pk	31.8	-18	0	56.39	-	-	74	-17.61	232	346	V
2	* 2.491	44.07	Pk	31.8	-18	0	57.87	-	-	74	-16.13	232	346	V
3	* 2.484	32.16	RMS	31.8	-18	0	45.96	54	-8.04	-	-	232	346	V
4	* 2.484	32.75	RMS	31.8	-18	0	46.55	54	-7.45	-	-	232	346	V

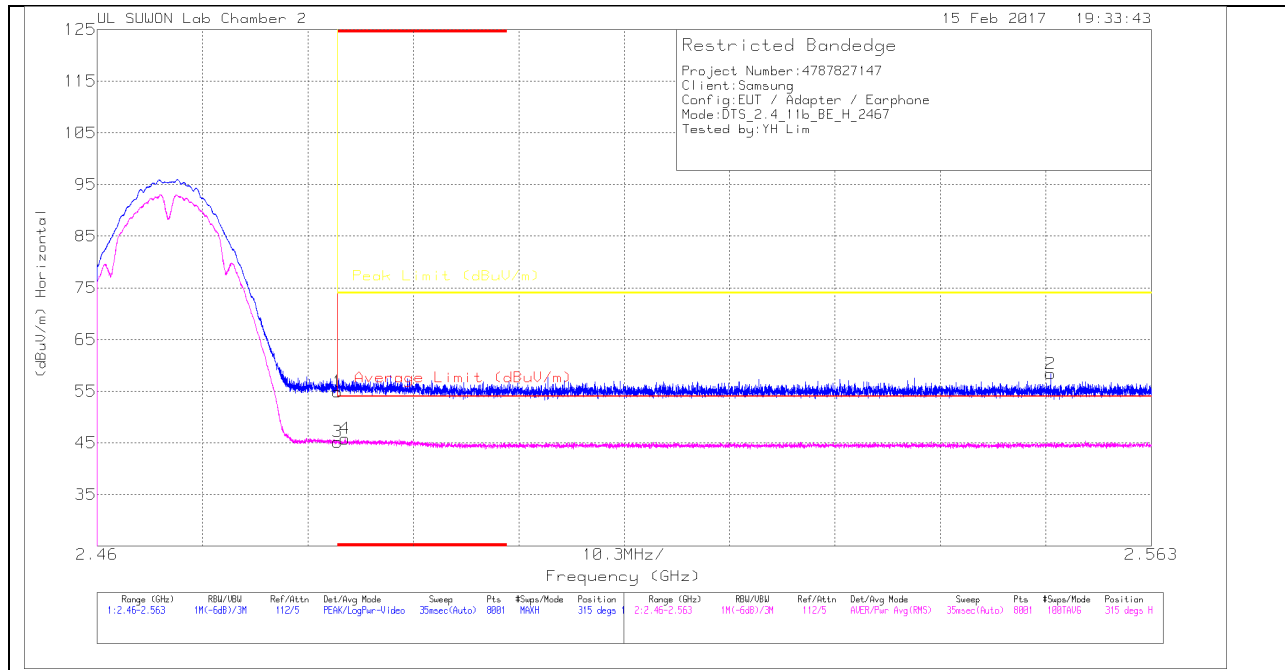
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

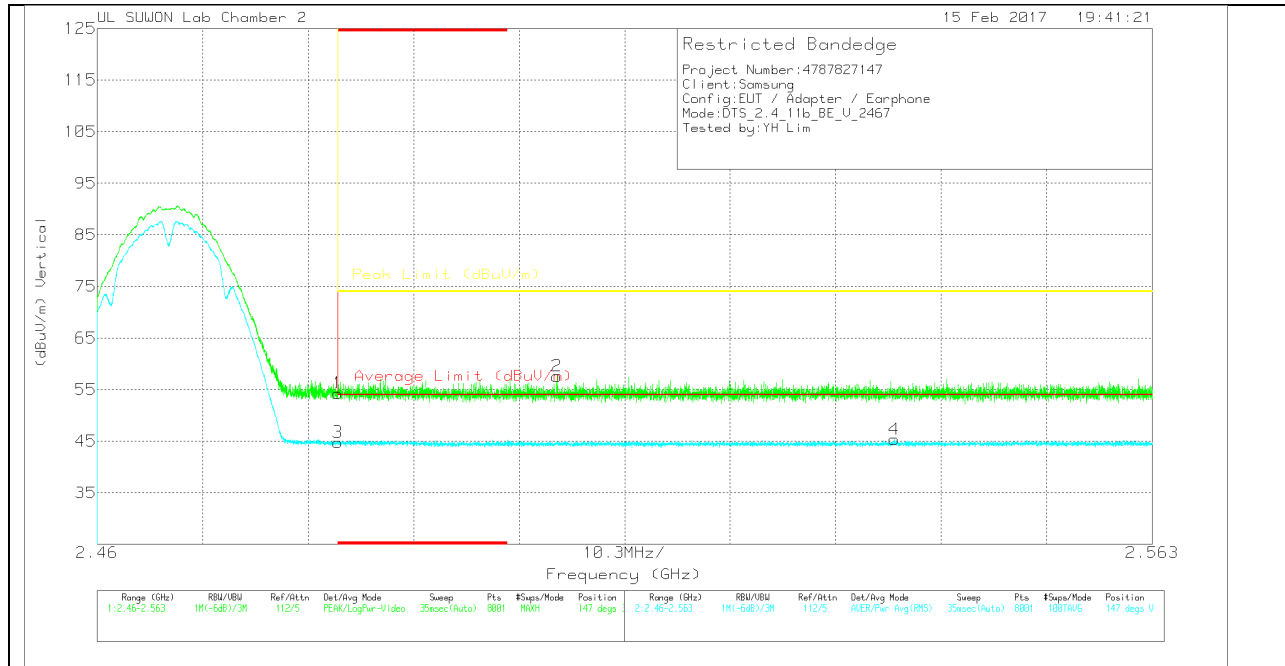
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.08	Pk	31.8	-18	0	54.88	-	-	74	-19.12	315	174	H
2	2.553	44.46	Pk	31.9	-18	0	58.36	-	-	74	-15.64	315	174	H
3	* 2.484	31.41	RMS	31.8	-18	0	45.21	54	-8.79	-	-	315	174	H
4	* 2.484	32.01	RMS	31.8	-18	0	45.81	54	-8.19	-	-	315	174	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	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	* 2.484	40.51	Pk		-18	0	54.31	-	-	74	-19.69	147	362	V
2	2.505	43.71	Pk		-18	0	57.61	-	-	74	-16.39	147	362	V
3	* 2.484	30.98	RMS		-18	0	44.78	54	-9.22	-	-	147	362	V
4	2.538	31.48	RMS		-18	0	45.38	54	-8.62	-	-	147	362	V

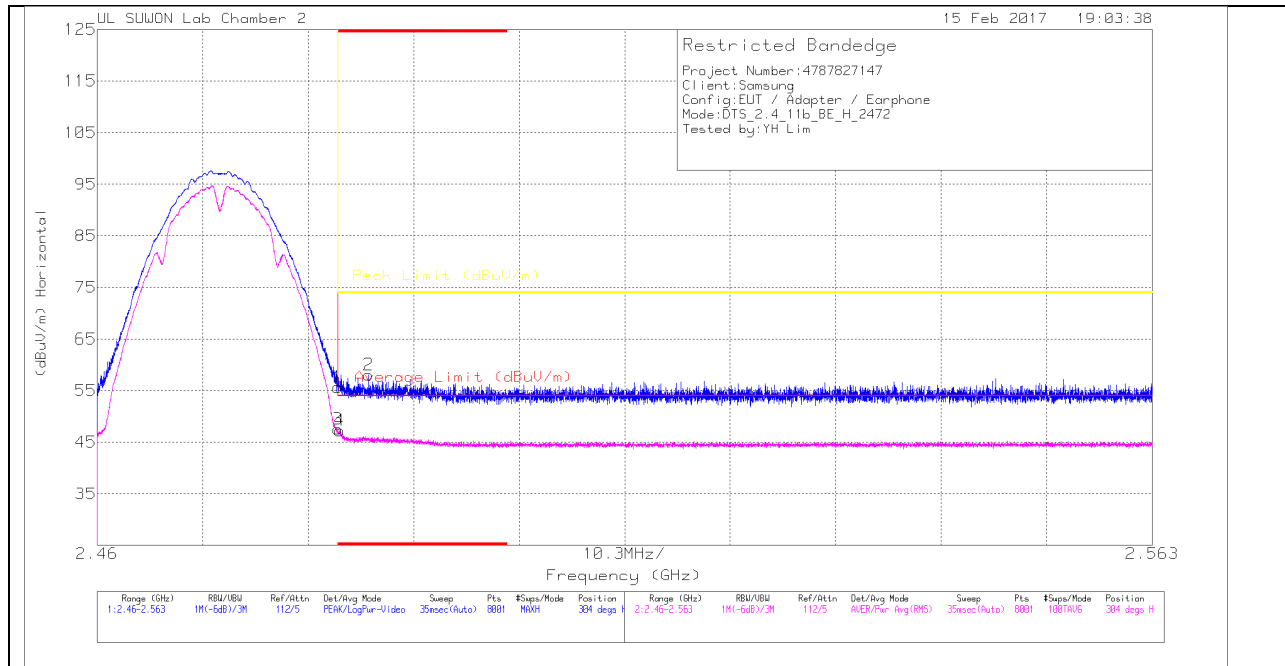
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

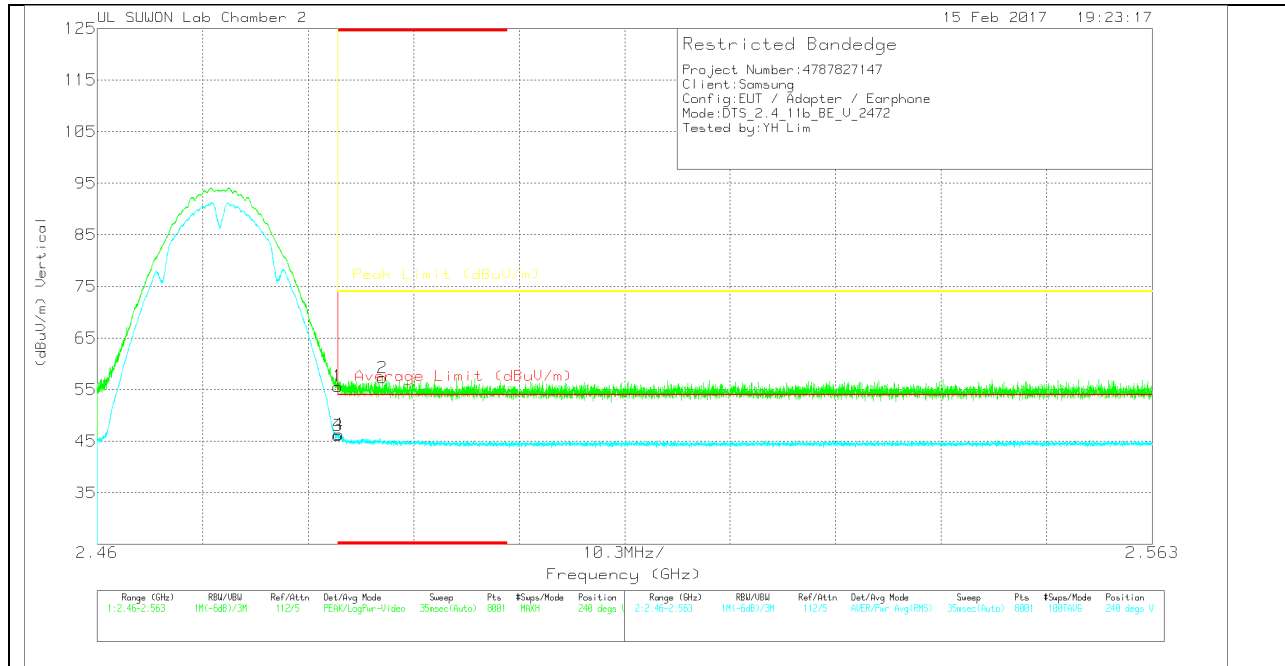
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24_150619)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.87	Pk		-18	0	55.67	-	-	74	-18.33	304	131	H
2	* 2.487	44.25	Pk		-18	0	58.05	-	-	74	-15.95	304	131	H
3	* 2.484	33.75	RMS		-18	0	47.55	54	-6.45	-	-	304	131	H
4	* 2.484	33.47	RMS		-18	0	47.27	54	-6.73	-	-	304	131	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	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	* 2.484	41.86	Pk		-18	0	55.66	-	-	74	-18.34	240	384	V
2	* 2.488	43.47	Pk		-18	0	57.27	-	-	74	-16.73	240	384	V
3	* 2.484	32.29	RMS		-18	0	46.09	54	-7.91	-	-	240	384	V
4	* 2.484	32.51	RMS		-18	0	46.31	54	-7.69	-	-	240	384	V

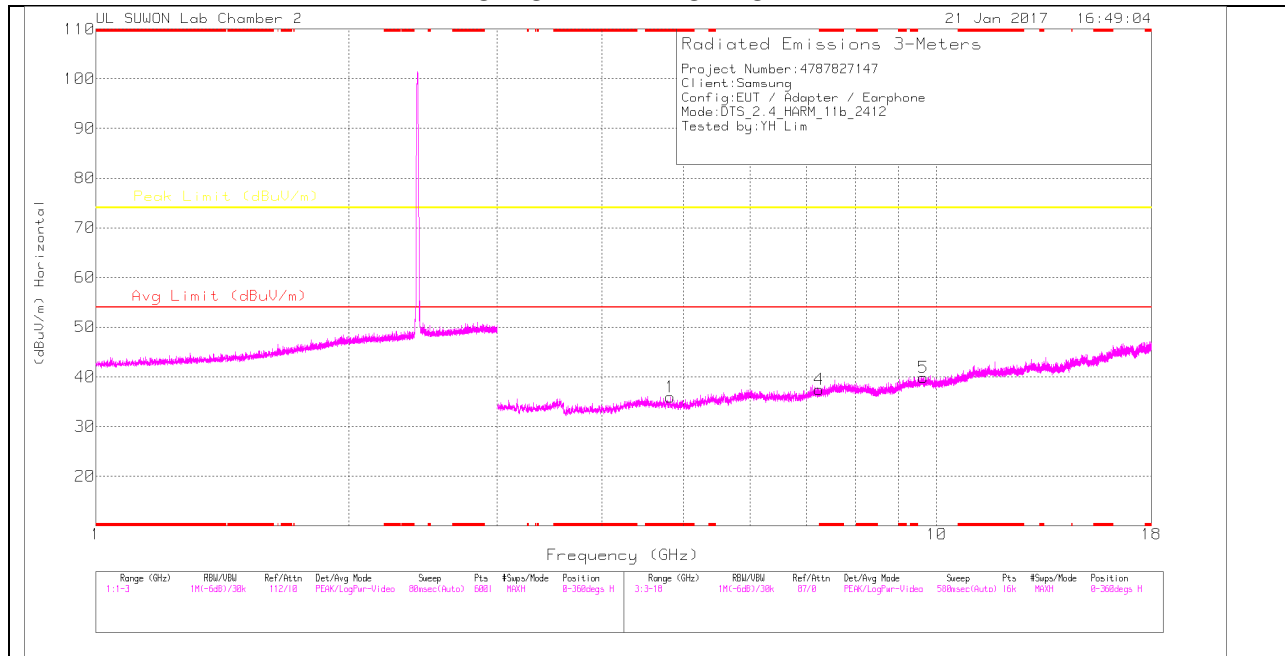
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

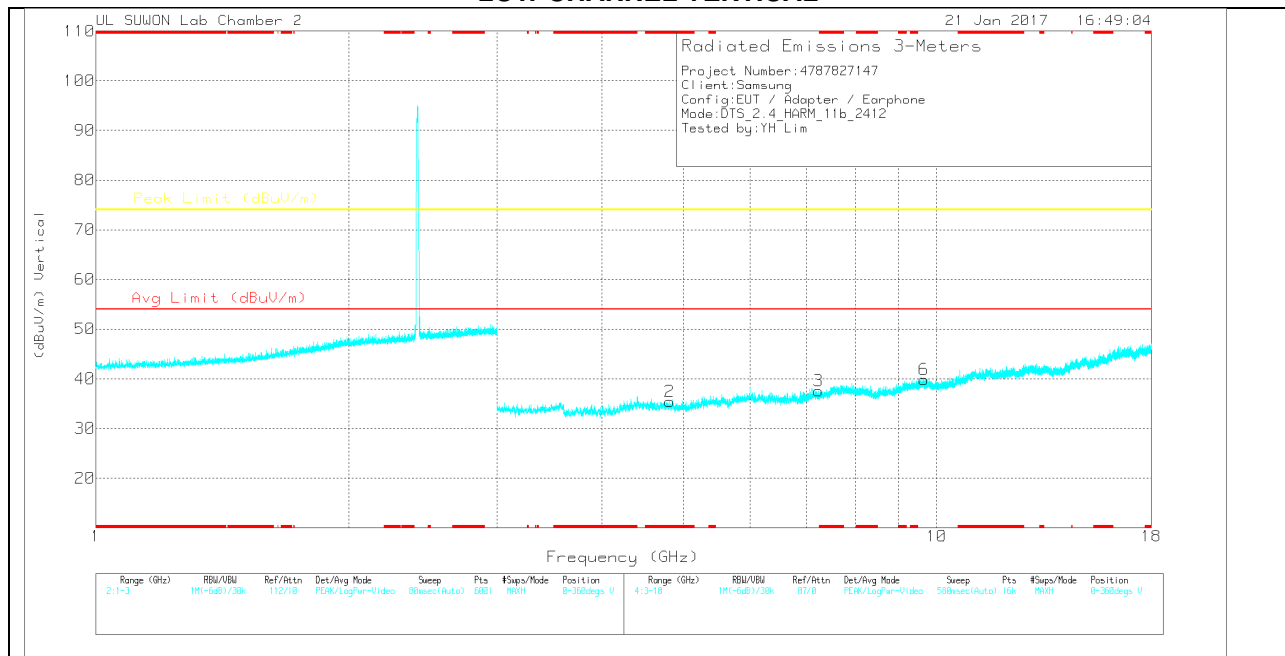
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

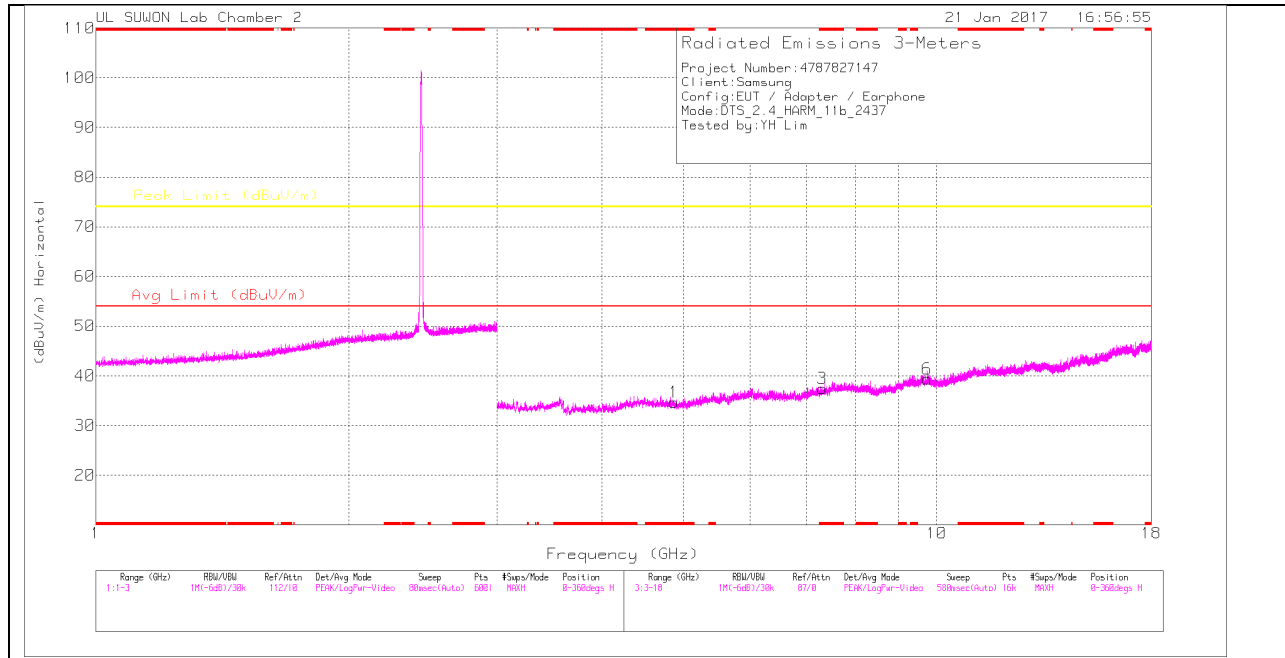
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	26.31	Pk	33.9	-24.3	0	35.91	-	-	74	-38.09	0-360	250	H
4	7.244	23.62	Pk	35.8	-22	0	37.42	-	-	74	-36.58	0-360	250	H
5	9.648	21.31	Pk	36.9	-18.3	0	39.91	-	-	74	-34.09	0-360	150	H
2	* 4.816	25.82	Pk	33.9	-24.3	0	35.42	-	-	74	-38.58	0-360	150	V
3	7.24	23.79	Pk	35.8	-22	0	37.59	-	-	74	-36.41	0-360	250	V
6	9.65	21.26	Pk	36.9	-18.3	0	39.86	-	-	74	-34.14	0-360	150	V

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

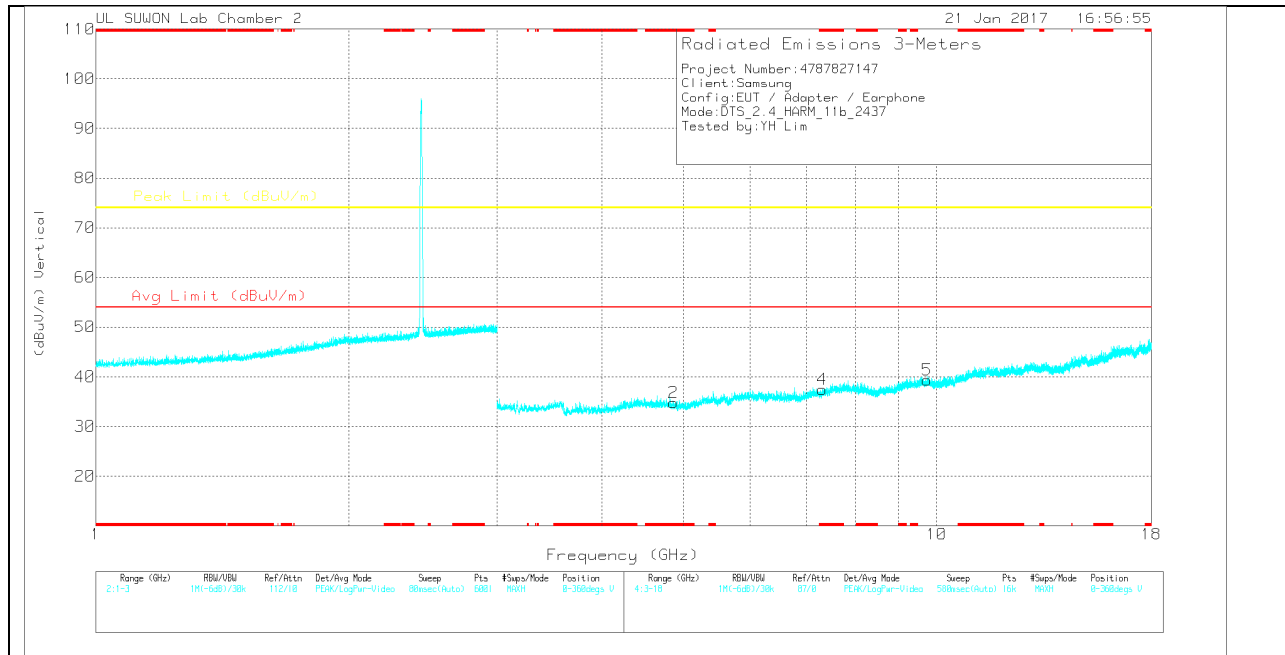
Pk – Peak detector

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

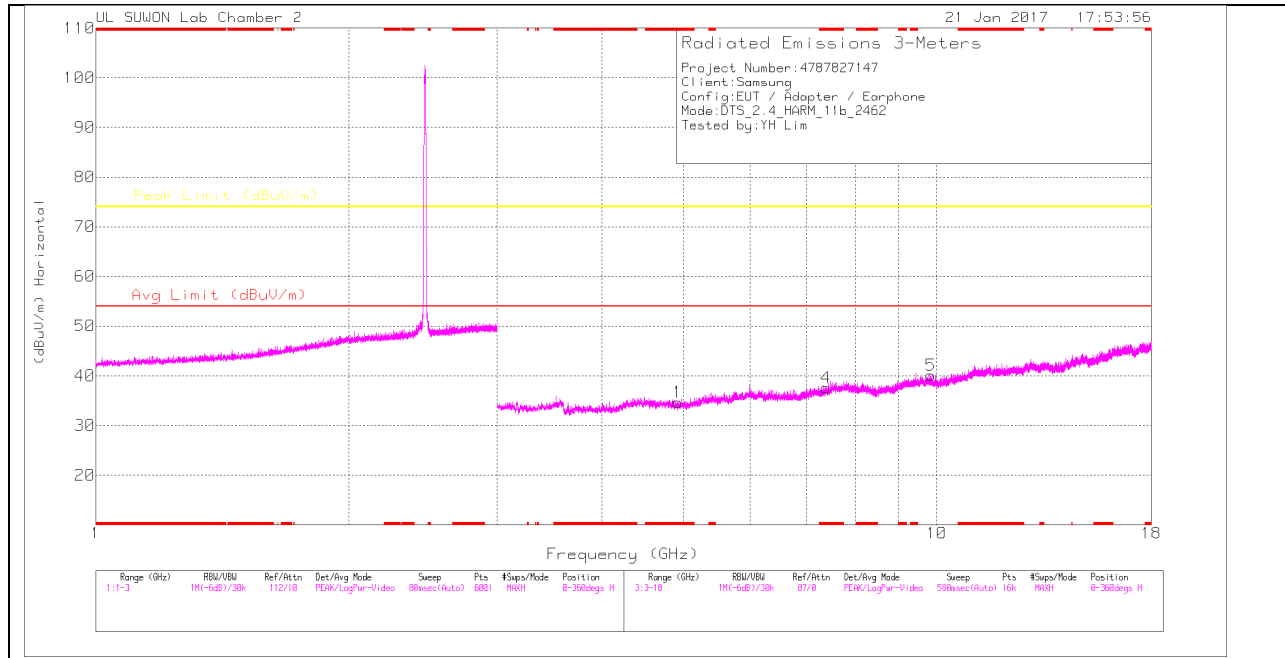
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24_150619)	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.87	25.3	Pk	33.9	-24.5	0	34.7	-	-	74	-39.3	0-360	150	H
3	* 7.312	23.55	Pk	35.9	-22	0	37.45	-	-	74	-36.55	0-360	150	H
6	9.74	20.43	Pk	37	-18.1	0	39.33	-	-	74	-34.67	0-360	150	H
2	* 4.866	25.29	Pk	33.9	-24.4	0	34.79	-	-	74	-39.21	0-360	150	V
4	* 7.315	23.52	Pk	35.9	-22	0	37.42	-	-	74	-36.58	0-360	250	V
5	9.736	20.51	Pk	37	-18.1	0	39.41	-	-	74	-34.59	0-360	150	V

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

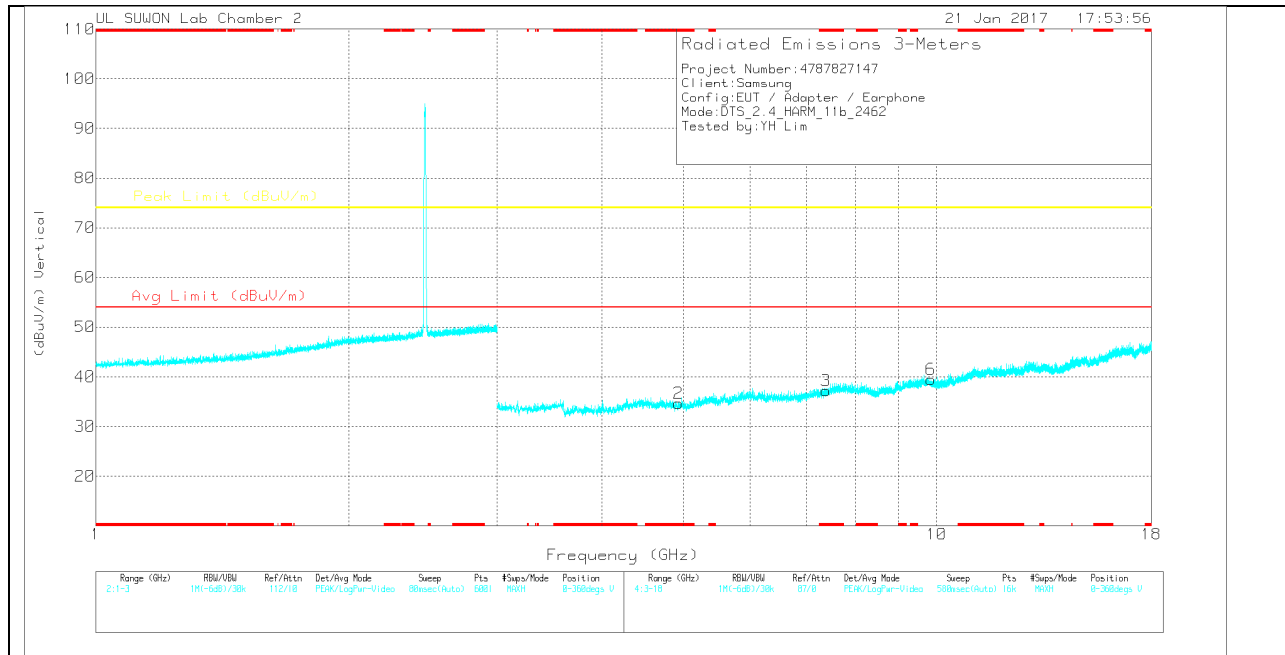
Pk – Peak detector

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 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

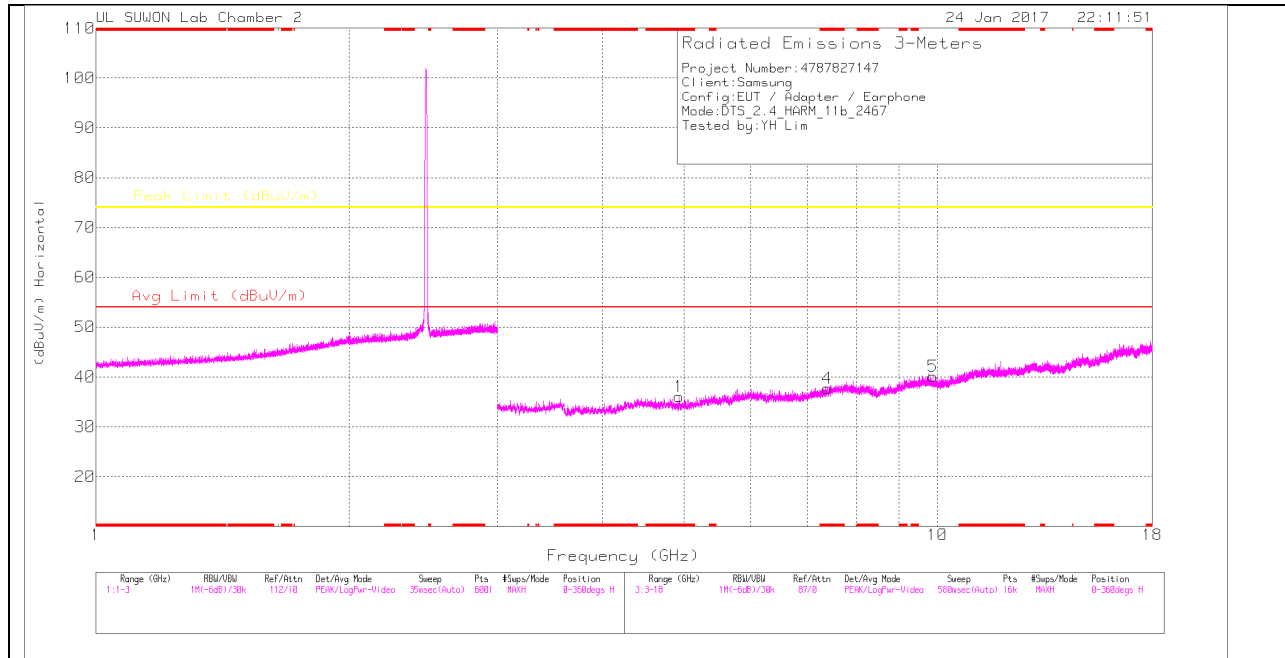
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.924	25.42	Pk	33.9	-24.7	0	34.62	-	-	74	-39.38	0-360	250	H
4	* 7.385	23.13	Pk	35.9	-21.4	0	37.63	-	-	74	-36.37	0-360	150	H
5	9.848	20.89	Pk	37.1	-17.9	0	40.09	-	-	74	-33.91	0-360	250	H
2	* 4.931	25.44	Pk	33.9	-24.7	0	34.64	-	-	74	-39.36	0-360	150	V
3	* 7.387	22.73	Pk	35.9	-21.4	0	37.23	-	-	74	-36.77	0-360	250	V
6	9.848	20.32	Pk	37.1	-17.9	0	39.52	-	-	74	-34.48	0-360	150	V

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

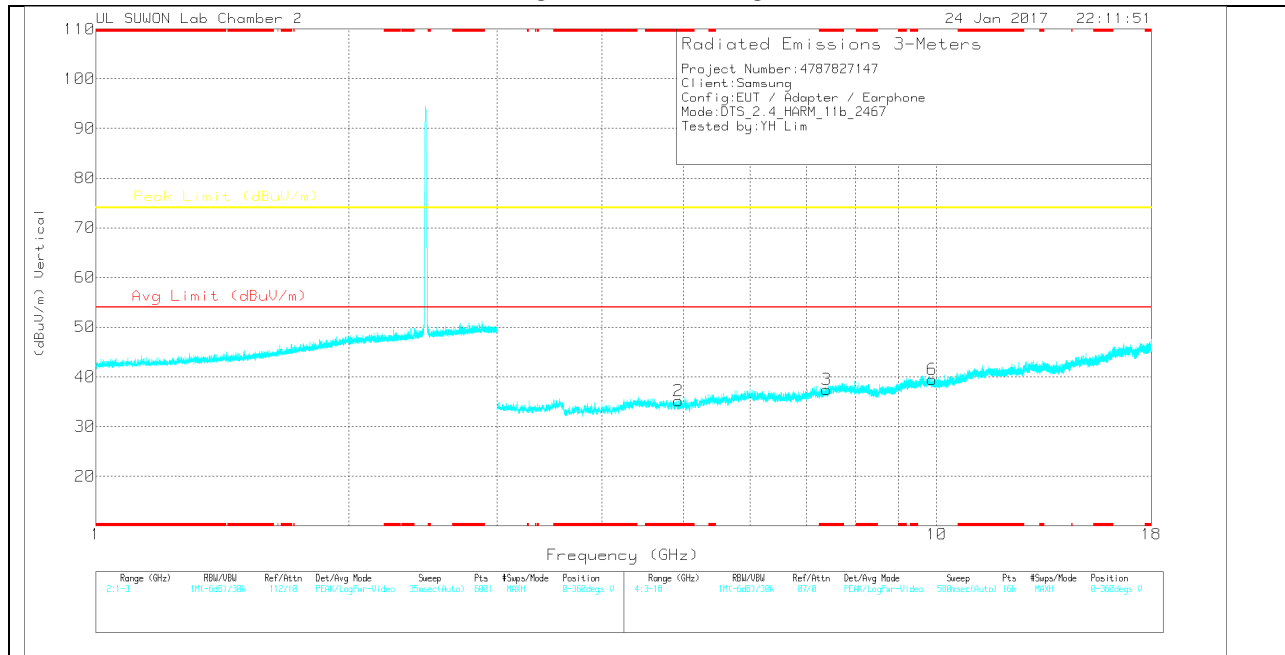
Pk – Peak detector

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

12 CHANNEL HORIZONTAL



12 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

12 CHANNEL DATA

Trace Markers

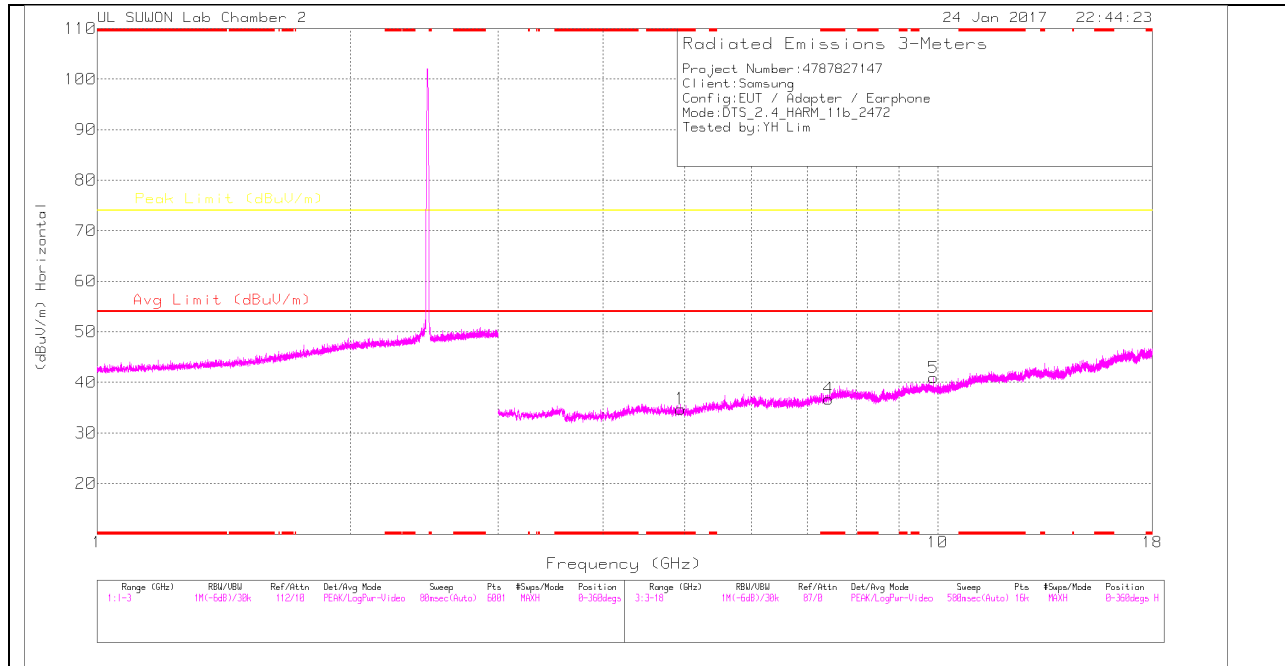
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.934	26.84	Pk	33.9	-24.7	0	36.04	-	-	74	-37.96	0-360	250	H
4	* 7.399	22.96	Pk	36	-21.3	0	37.66	-	-	74	-36.34	0-360	150	H
5	9.868	20.98	Pk	37.1	-18	0	40.08	-	-	74	-33.92	0-360	250	H
2	* 4.929	25.95	Pk	33.9	-24.7	0	35.15	-	-	74	-38.85	0-360	250	V
3	* 7.4	22.75	Pk	36	-21.3	0	37.45	-	-	74	-36.55	0-360	250	V
6	9.868	20.4	Pk	37.1	-18	0	39.5	-	-	74	-34.5	0-360	250	V

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

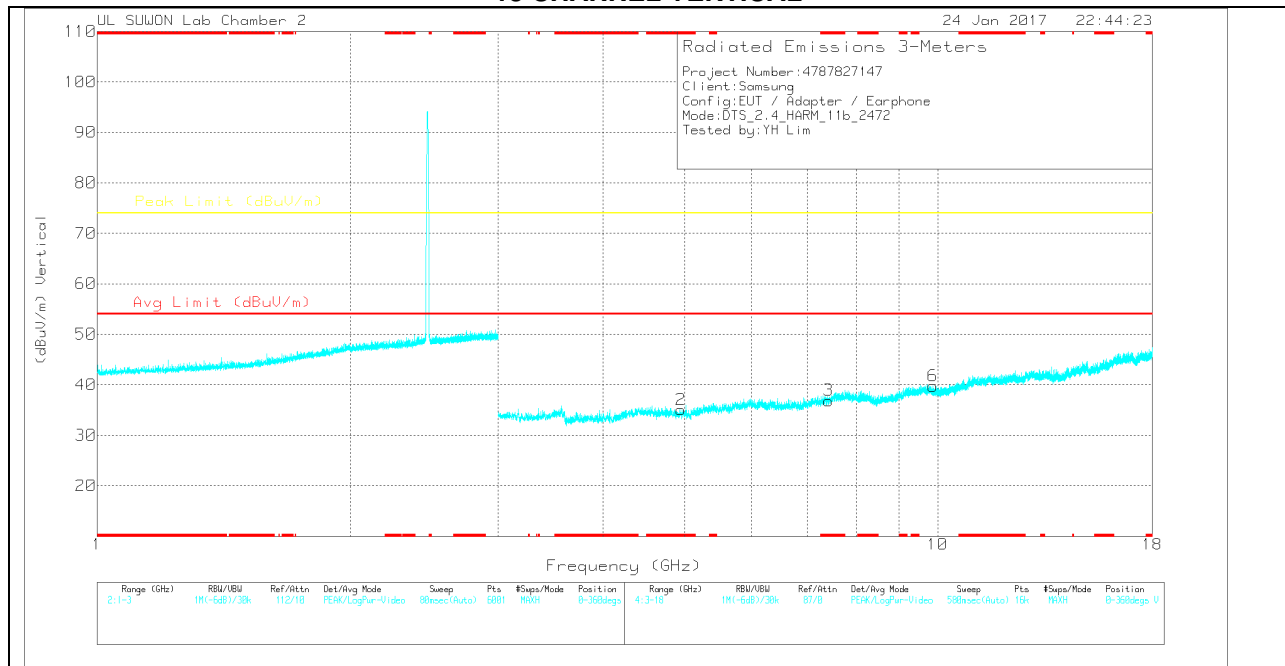
Pk – Peak detector

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

13 CHANNEL HORIZONTAL



13 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

13 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.945	25.53	Pk	33.9	-24.7	0	34.73	-	-	74	-39.27	0-360	150	H
4	* 7.414	21.95	Pk	36	-21.2	0	36.75	-	-	74	-37.25	0-360	250	H
5	9.888	21.79	Pk	37.1	-18	0	40.89	-	-	74	-33.11	0-360	250	H
2	* 4.947	25.88	Pk	33.9	-24.7	0	35.08	-	-	74	-38.92	0-360	150	V
3	* 7.416	22.07	Pk	36	-21.2	0	36.87	-	-	74	-37.13	0-360	250	V
6	9.875	20.65	Pk	37.1	-18	0	39.75	-	-	74	-34.25	0-360	250	V

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

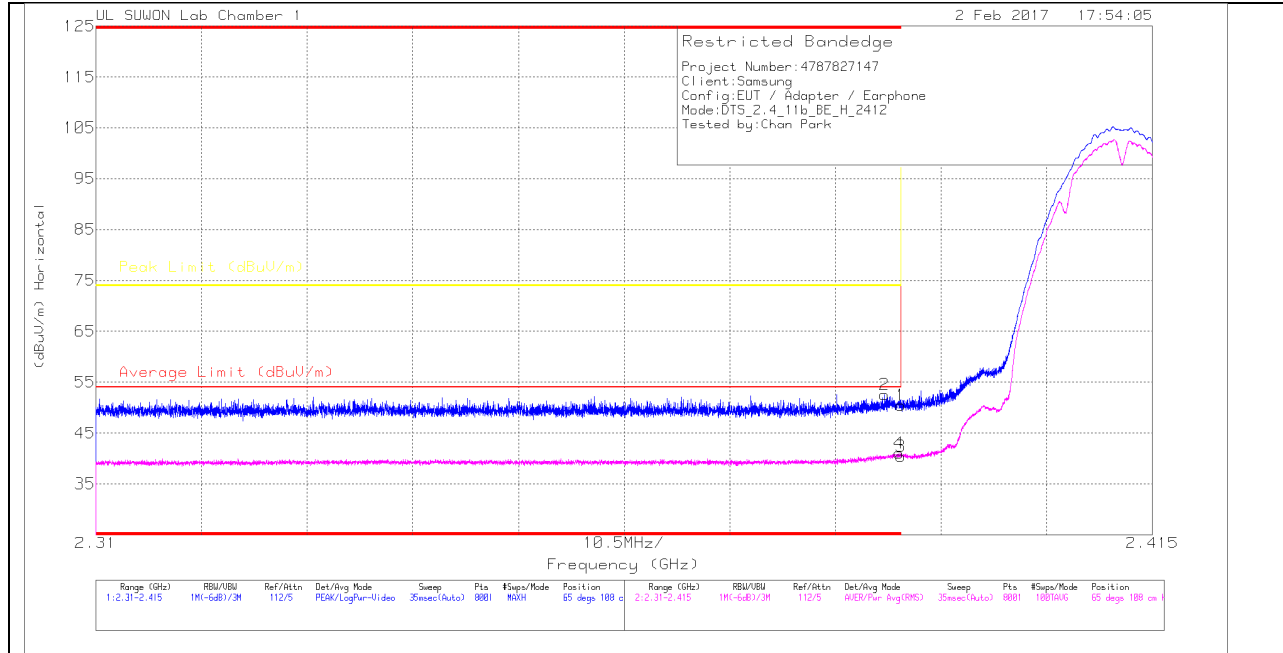
Pk – Peak detector

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

10.2.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND ANT2

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

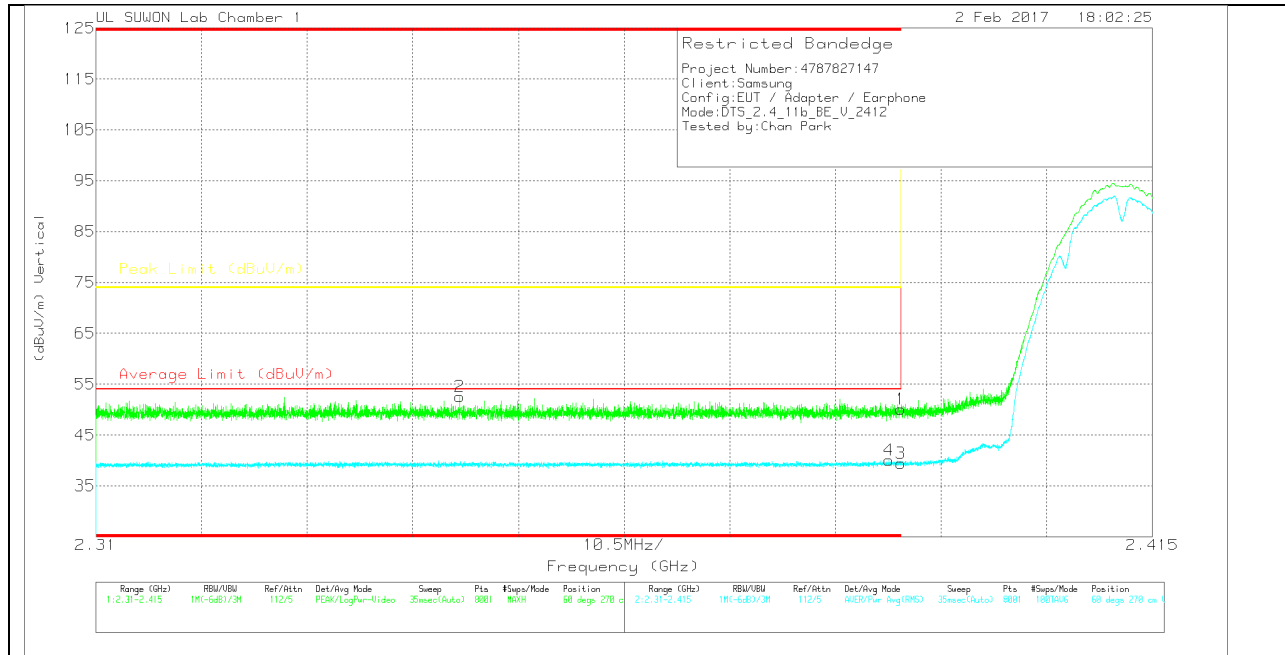
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168 717)_150619	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.31	Pk		-28.7	0	50.41	-	-	74	-23.59	65	108	H
2	* 2.388	49.47	Pk		-28.7	0	52.57	-	-	74	-21.43	65	108	H
3	* 2.39	37.32	RMS		-28.7	0	40.42	54	-13.58	-	-	65	108	H
4	* 2.39	37.97	RMS		-28.7	0	41.07	54	-12.93	-	-	65	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(00168717)_150619	10dB_Att(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	* 2.39	46.95	Pk	31.8	-28.7	0	50.05	-	-	74	-23.95	60	270	V
2	* 2.346	49.68	Pk	31.7	-28.8	0	52.58	-	-	74	-21.42	60	270	V
3	* 2.39	36.34	RMS	31.8	-28.7	0	39.44	54	-14.56	-	-	60	270	V
4	* 2.389	36.99	RMS	31.8	-28.7	0	40.09	54	-13.91	-	-	60	270	V

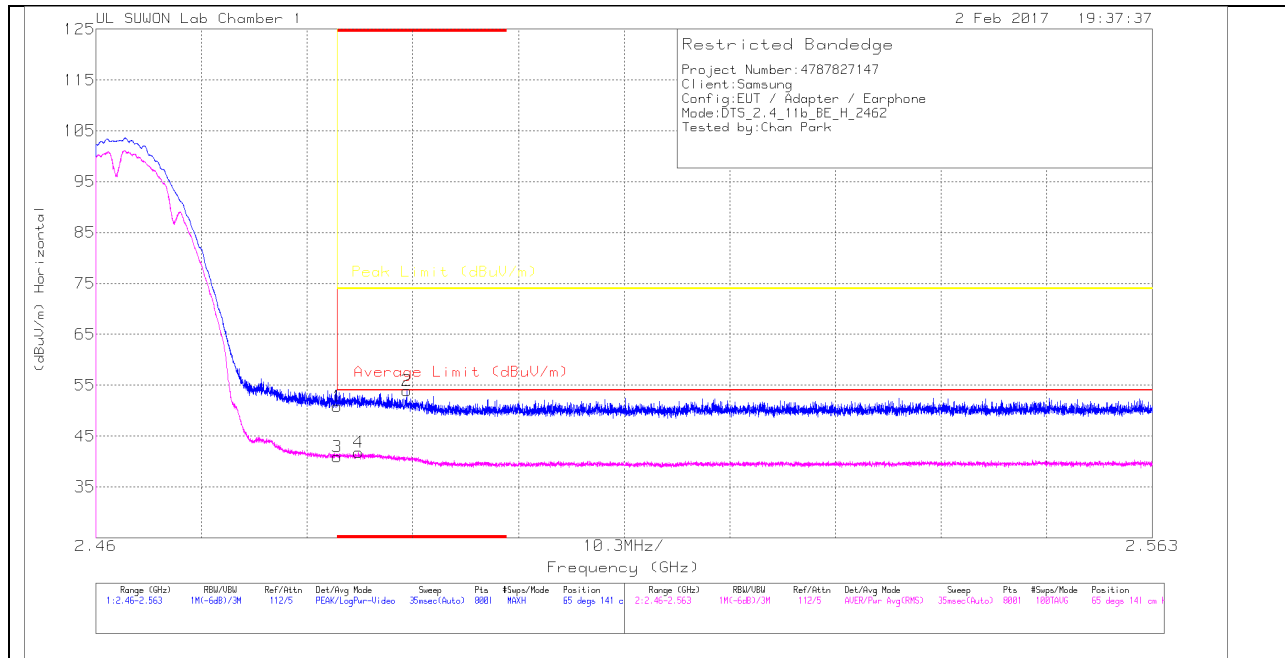
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

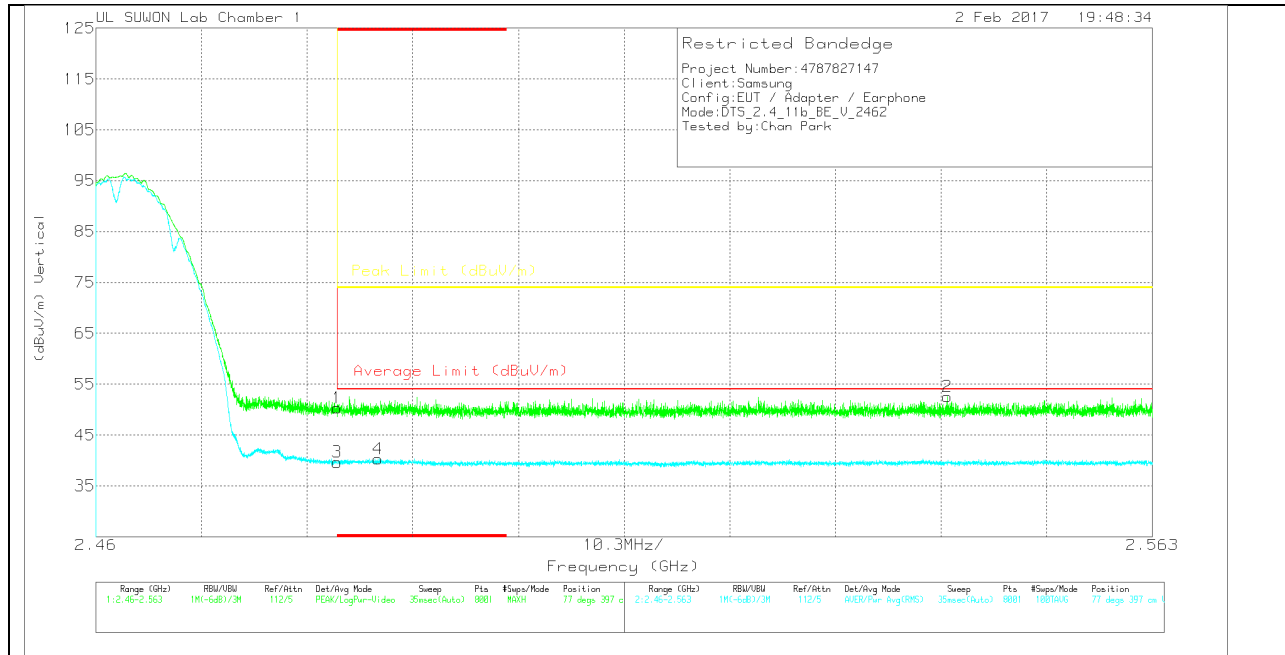
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168 717)_15061 9	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.56	Pk	32	-28.7	0	50.86	-	-	74	-23.14	65	141	H
2	* 2.49	50.6	Pk	32	-28.7	0	53.9	-	-	74	-20.1	65	141	H
3	* 2.484	37.68	RMS	32	-28.7	0	40.98	54	-13.02	-	-	65	141	H
4	* 2.486	38.39	RMS	32	-28.6	0	41.79	54	-12.21	-	-	65	141	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_Att(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	* 2.484	47.06	Pk	32	-28.7	0	50.36	-	-	74	-23.64	77	397	V
2	2.543	49.17	Pk	32	-28.6	0	52.57	-	-	74	-21.43	77	397	V
3	* 2.484	36.33	RMS	32	-28.7	0	39.63	54	-14.37	-	-	77	397	V
4	* 2.488	36.94	RMS	32	-28.6	0	40.34	54	-13.66	-	-	77	397	V

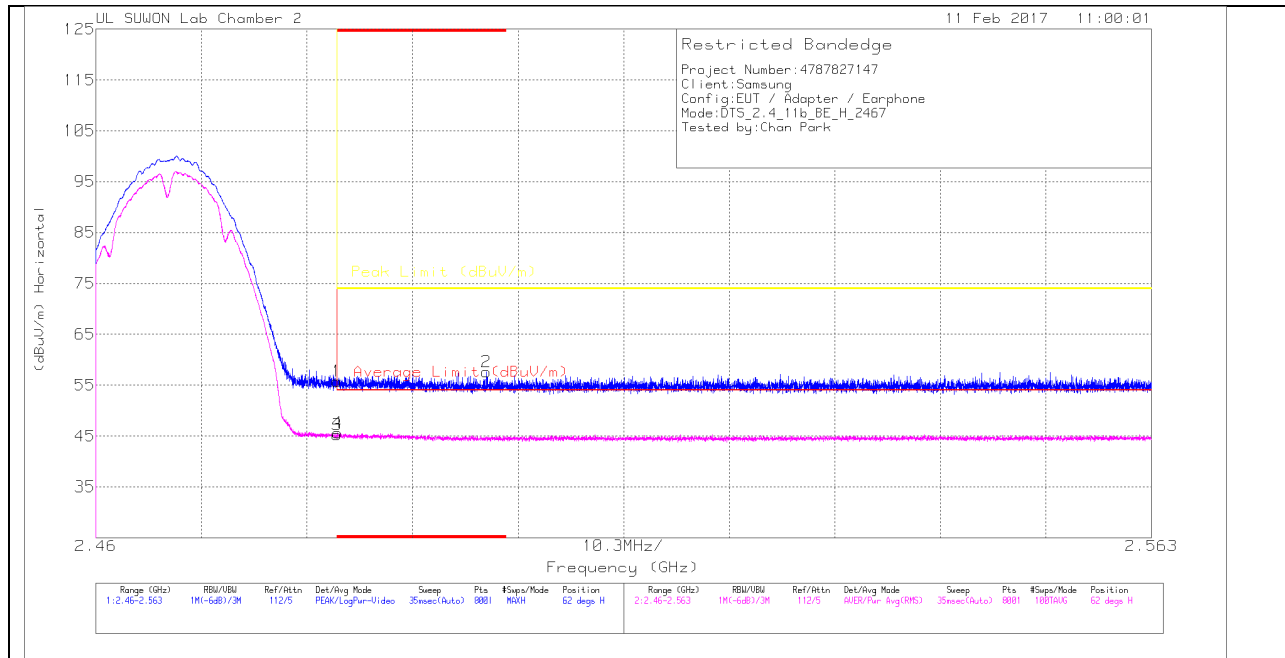
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

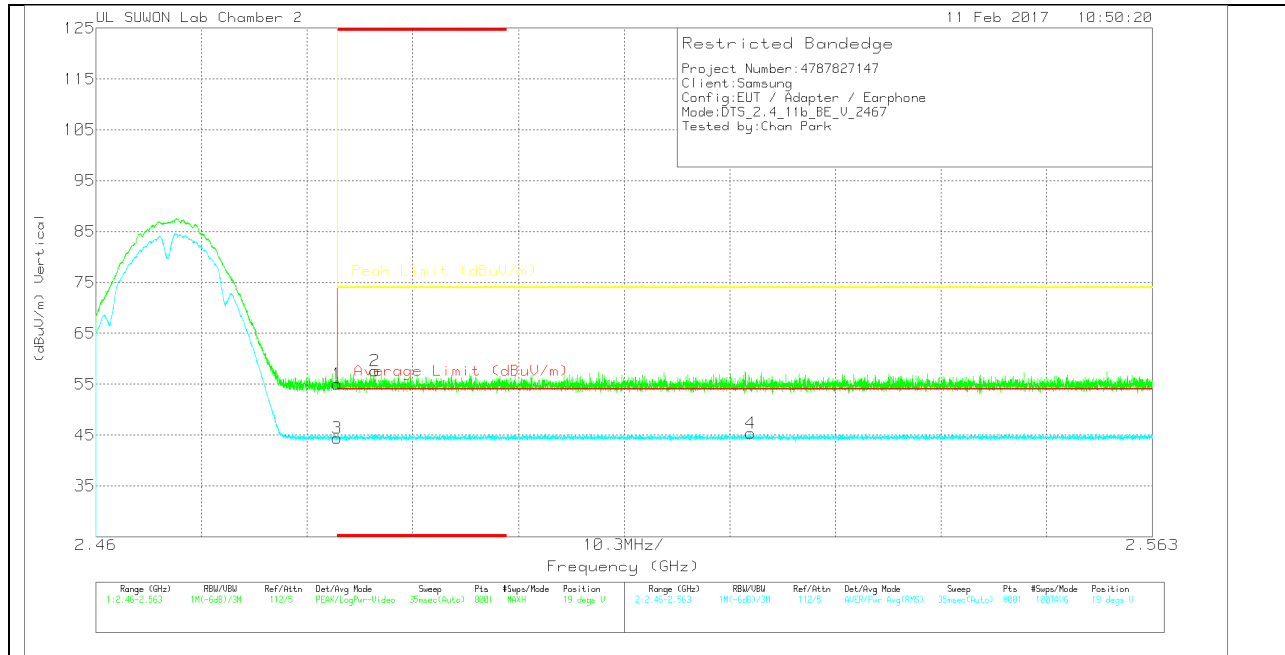
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.93	Pk	31.8	-18	0	55.73	-	-	74	-18.27	62	166	H
2	* 2.498	43.79	Pk	31.8	-18	0	57.59	-	-	74	-16.41	62	166	H
3	* 2.484	31.43	RMS	31.8	-18	0	45.23	54	-8.77	-	-	62	166	H
4	* 2.484	31.81	RMS	31.8	-18	0	45.61	54	-8.39	-	-	62	166	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	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	* 2.484	41.18	Pk	31.8	-18	0	54.98	-	-	74	-19.02	19	125	V
2	* 2.487	43.78	Pk	31.8	-18	0	57.58	-	-	74	-16.42	19	125	V
3	* 2.484	30.57	RMS	31.8	-18	0	44.37	54	-9.63	-	-	19	125	V
4	2.524	31.45	RMS	31.9	-18	0	45.35	54	-8.65	-	-	19	125	V

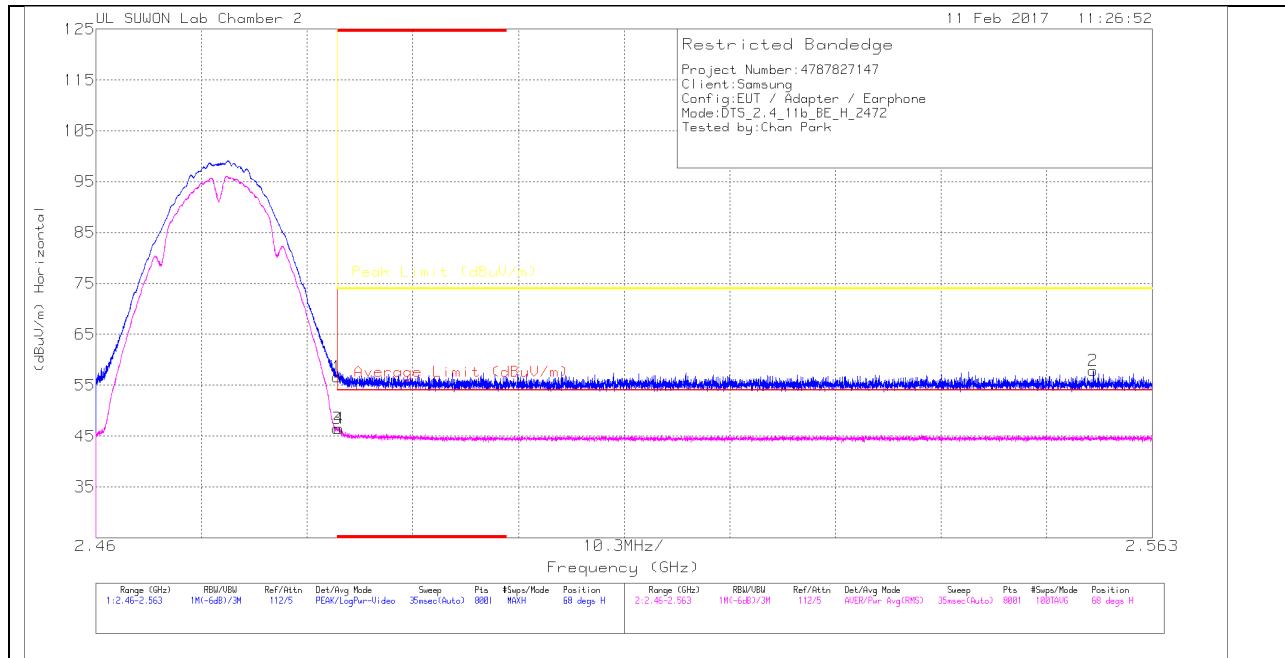
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

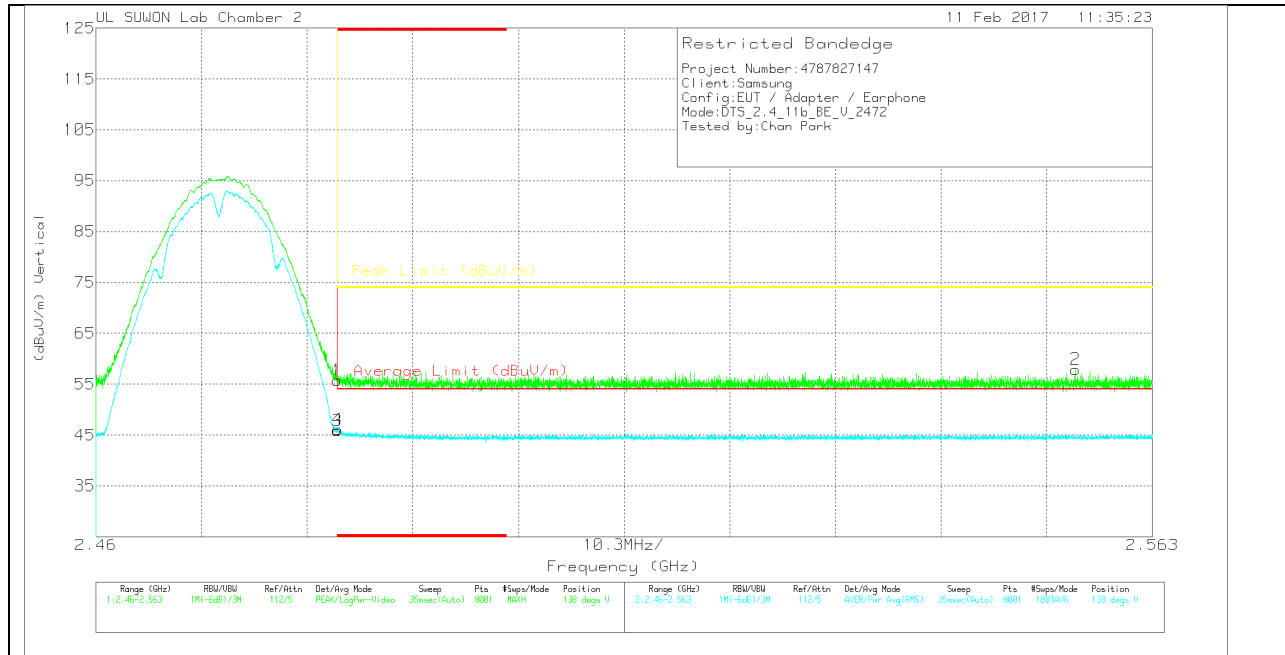
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.89	Pk		-18	0	56.69	-	-	74	-17.31	68	144	H
2	2.557	44.02	Pk		-18	0	57.92	-	-	74	-16.08	68	144	H
3	* 2.484	32.67	RMS		-18	0	46.47	54	-7.53	-	-	68	144	H
4	* 2.484	32.74	RMS		-18	0	46.54	54	-7.46	-	-	68	144	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	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	* 2.484	42.02	Pk	31.8	-18	0	55.82	-	-	74	-18.18	138	367	V
2	2.556	44.03	Pk	31.9	-18	0	57.93	-	-	74	-16.07	138	367	V
3	* 2.484	32.09	RMS	31.8	-18	0	45.89	54	-8.11	-	-	138	367	V
4	* 2.484	32.31	RMS	31.8	-18	0	46.11	54	-7.89	-	-	138	367	V

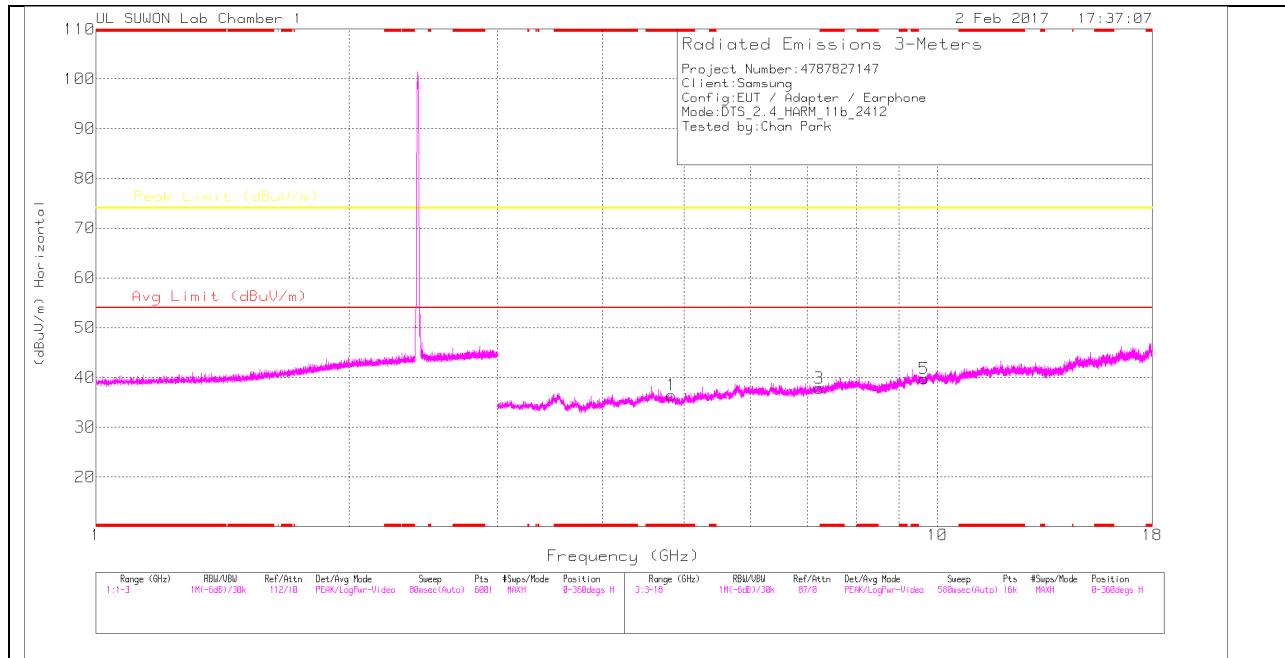
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

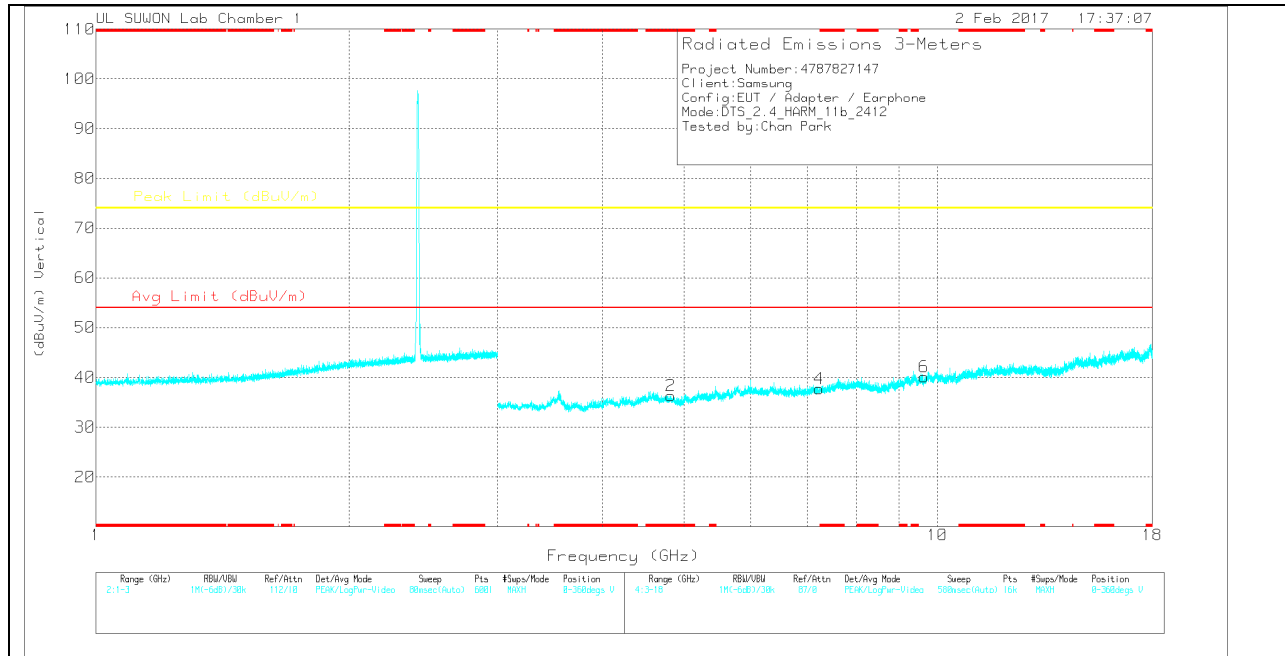
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

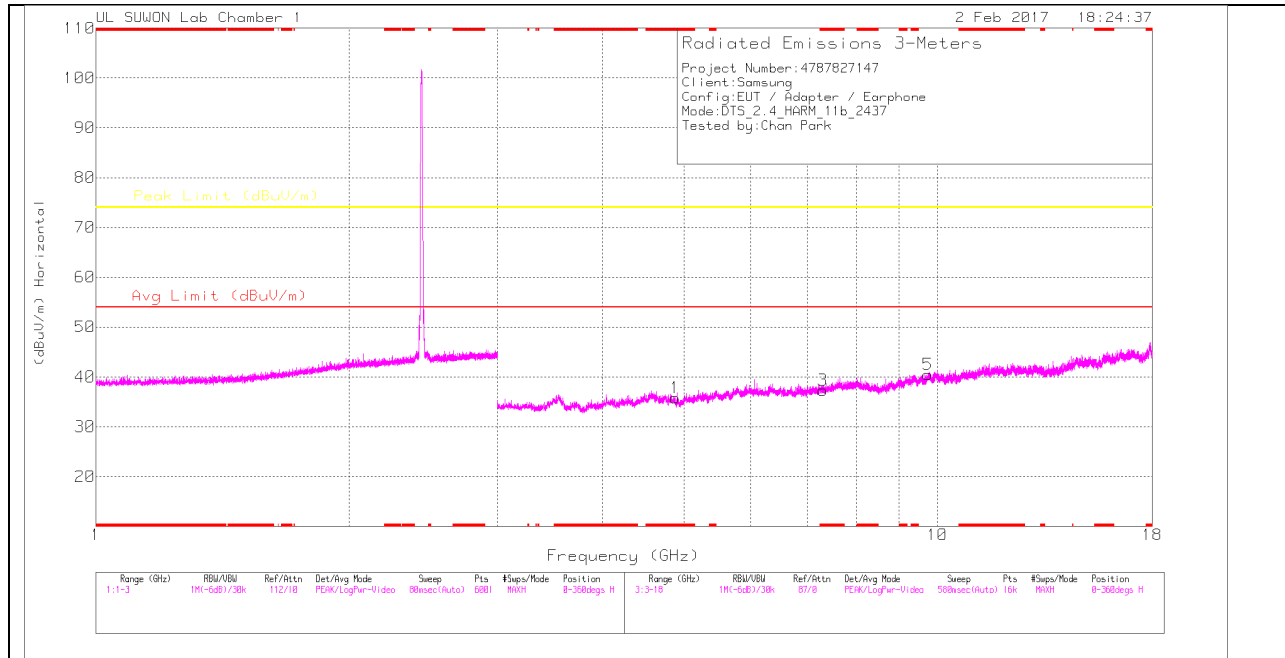
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17) 150619	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.827	36.44	Pk	34	-34	0	36.44	-	-	74	-37.56	0-360	250	H
3	7.236	33.44	Pk	35.7	-31.3	0	37.84	-	-	74	-36.16	0-360	150	H
5	9.648	30.78	Pk	37.1	-28.2	0	39.68	-	-	74	-34.32	0-360	150	H
2	* 4.825	36.32	Pk	34	-34	0	36.32	-	-	74	-37.68	0-360	250	V
4	7.238	33.22	Pk	35.7	-31.2	0	37.72	-	-	74	-36.28	0-360	150	V
6	9.647	31.19	Pk	37.1	-28.2	0	40.09	-	-	74	-33.91	0-360	150	V

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

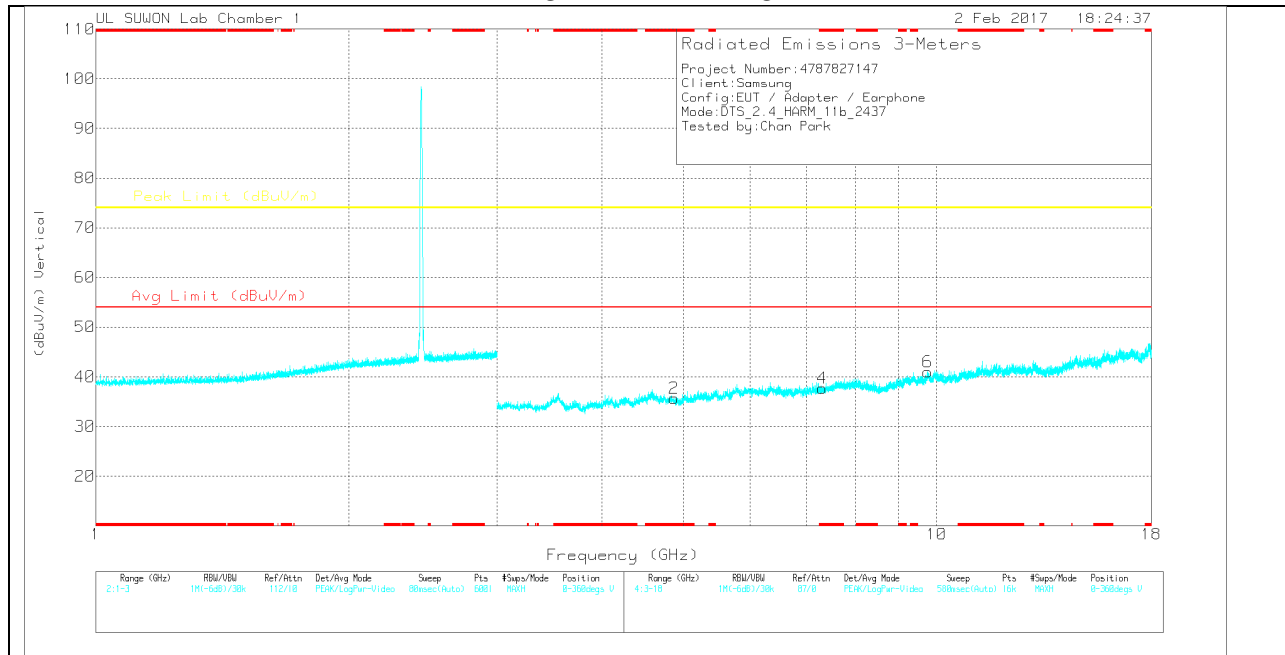
Pk – Peak detector

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 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

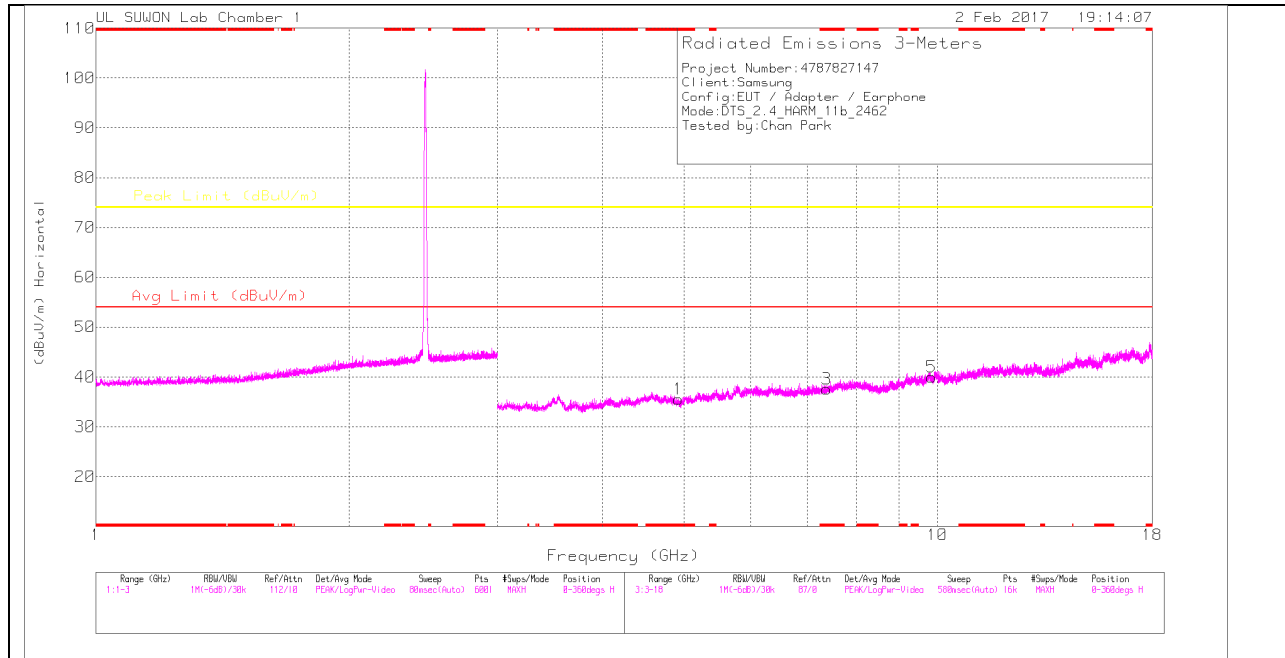
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17) 150619	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.877	35.99	Pk	34	-34.2	0	35.79	-	-	74	-38.21	0-360	250	H
3	* 7.311	32.58	Pk	35.7	-30.9	0	37.38	-	-	74	-36.62	0-360	150	H
5	9.748	31.04	Pk	37.2	-27.7	0	40.54	-	-	74	-33.46	0-360	250	H
2	* 4.873	35.86	Pk	34	-34.2	0	35.66	-	-	74	-38.34	0-360	250	V
4	* 7.315	32.87	Pk	35.8	-31	0	37.67	-	-	74	-36.33	0-360	150	V
6	9.751	31.49	Pk	37.2	-27.7	0	40.99	-	-	74	-33.01	0-360	250	V

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

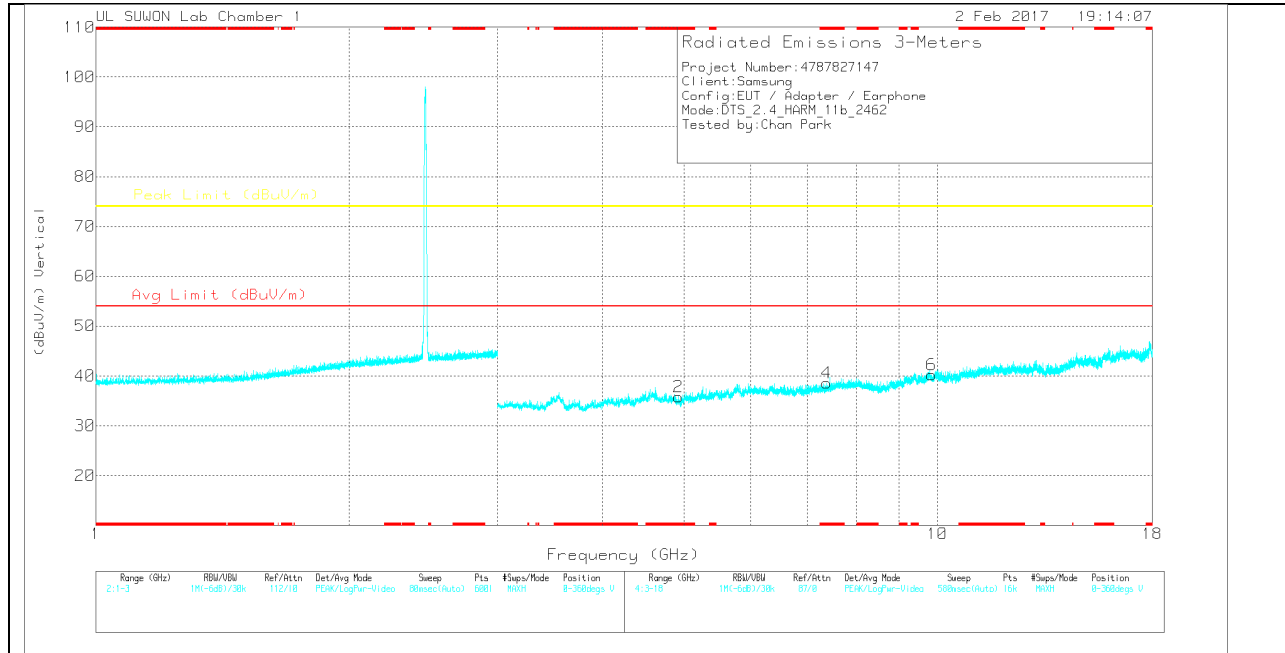
Pk – Peak detector

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 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

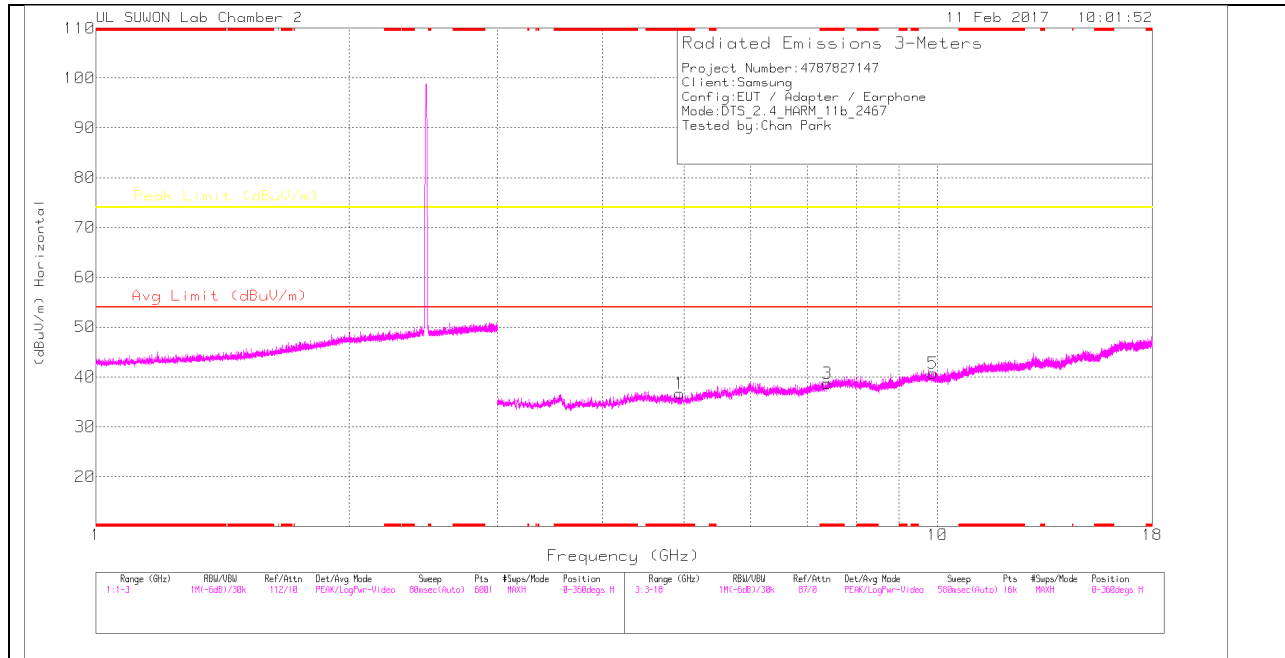
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17) 150619	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.924	35.31	Pk	34	-33.8	0	35.51	-	-	74	-38.49	0-360	150	H
3	* 7.385	32.79	Pk	35.8	-31	0	37.59	-	-	74	-36.41	0-360	150	H
5	9.846	30.84	Pk	37.3	-28.2	0	39.94	-	-	74	-34.06	0-360	150	H
2	* 4.921	35.54	Pk	34	-33.7	0	35.84	-	-	74	-38.16	0-360	250	V
4	* 7.386	33.76	Pk	35.8	-31	0	38.56	-	-	74	-35.44	0-360	150	V
6	9.845	31.12	Pk	37.3	-28.2	0	40.22	-	-	74	-33.78	0-360	150	V

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

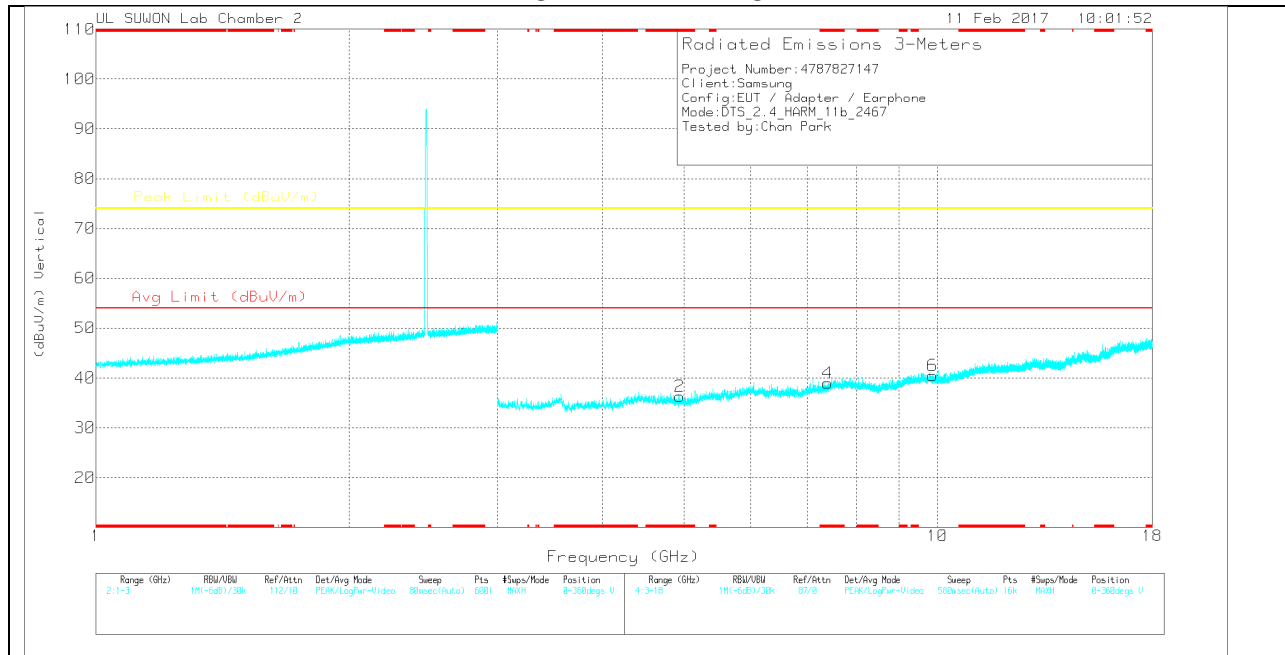
Pk – Peak detector

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

12 CHANNEL HORIZONTAL



12 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

12 CHANNEL DATA

Trace Markers

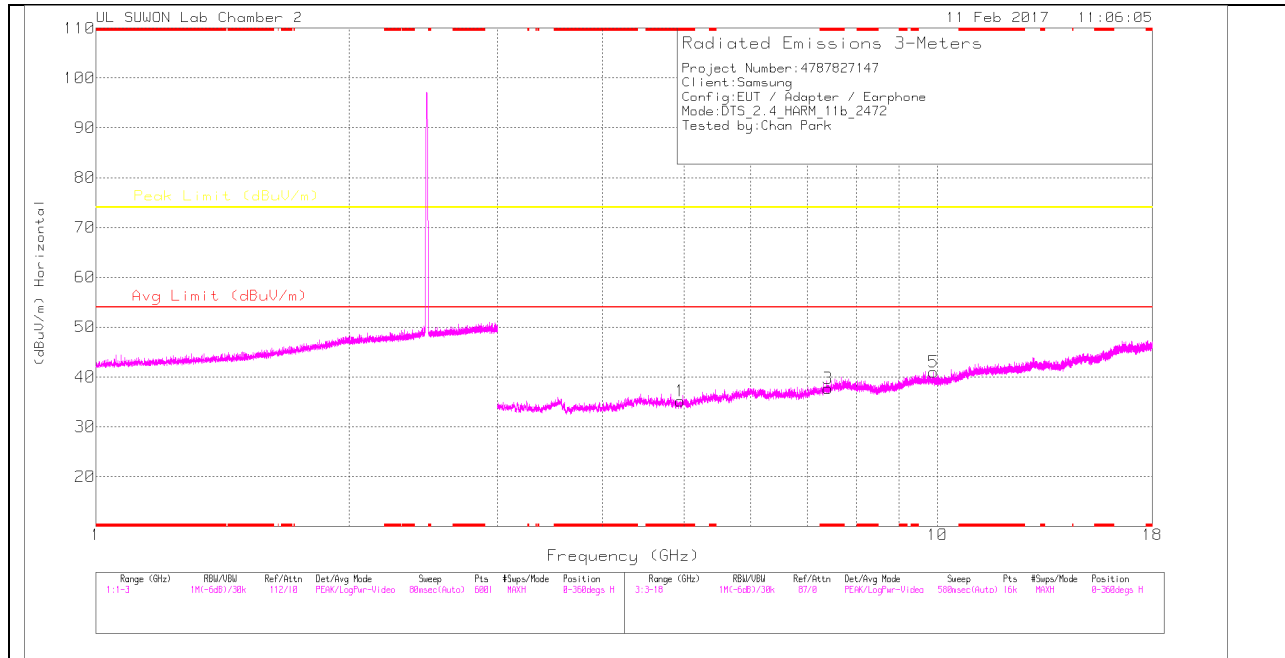
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.937	27.56	Pk	33.9	-24.8	0	36.66	-	-	74	-37.34	0-360	150	H
3	* 7.4	23.99	Pk	36	-21.3	0	38.69	-	-	74	-35.31	0-360	150	H
5	9.868	21.6	Pk	37.1	-18	0	40.7	-	-	74	-33.3	0-360	150	H
2	* 4.935	27.12	Pk	33.9	-24.7	0	36.32	-	-	74	-37.68	0-360	150	V
4	* 7.404	24.26	Pk	36	-21.3	0	38.96	-	-	74	-35.04	0-360	250	V
6	9.867	21.35	Pk	37.1	-18	0	40.45	-	-	74	-33.55	0-360	150	V

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

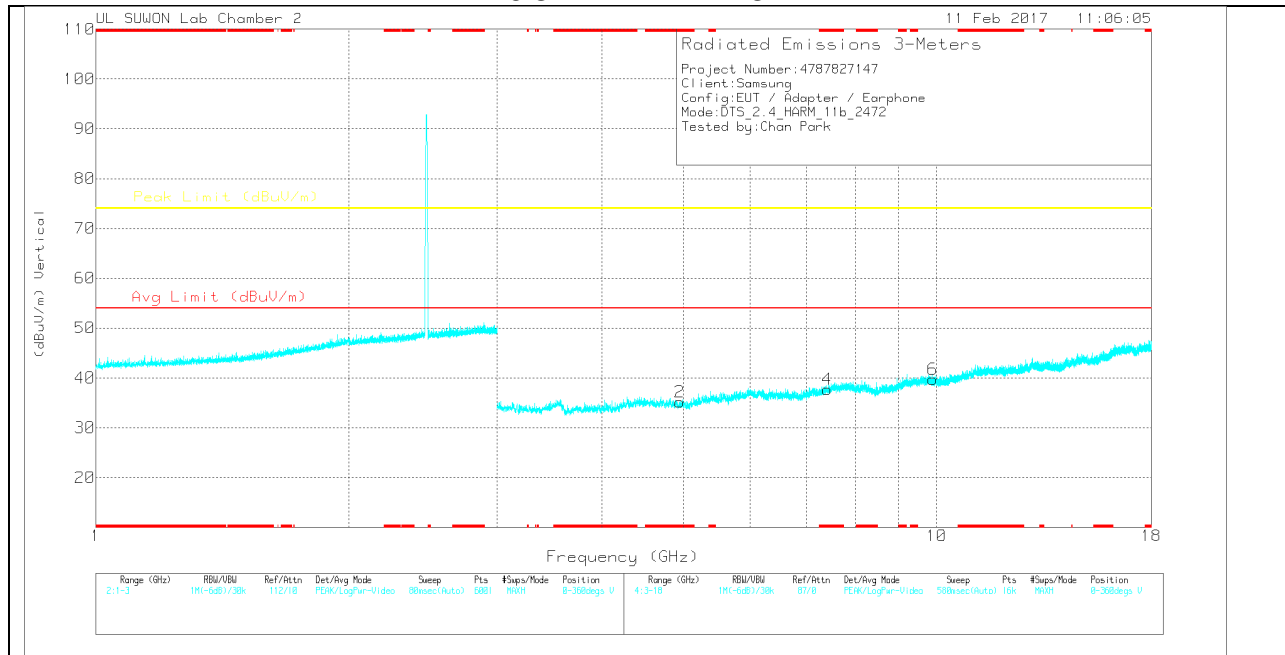
Pk – Peak detector

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

13 CHANNEL HORIZONTAL



13 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

13 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.946	25.99	Pk	33.9	-24.7	0	35.19	-	-	74	-38.81	0-360	250	H
3	* 7.416	22.89	Pk	36	-21.2	0	37.69	-	-	74	-36.31	0-360	150	H
5	9.887	21.9	Pk	37.1	-18	0	41	-	-	74	-33	0-360	150	H
2	* 4.945	25.99	Pk	33.9	-24.7	0	35.19	-	-	74	-38.81	0-360	150	V
4	* 7.413	22.95	Pk	36	-21.2	0	37.75	-	-	74	-36.25	0-360	150	V
6	9.893	20.58	Pk	37.1	-18	0	39.68	-	-	74	-34.32	0-360	150	V

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

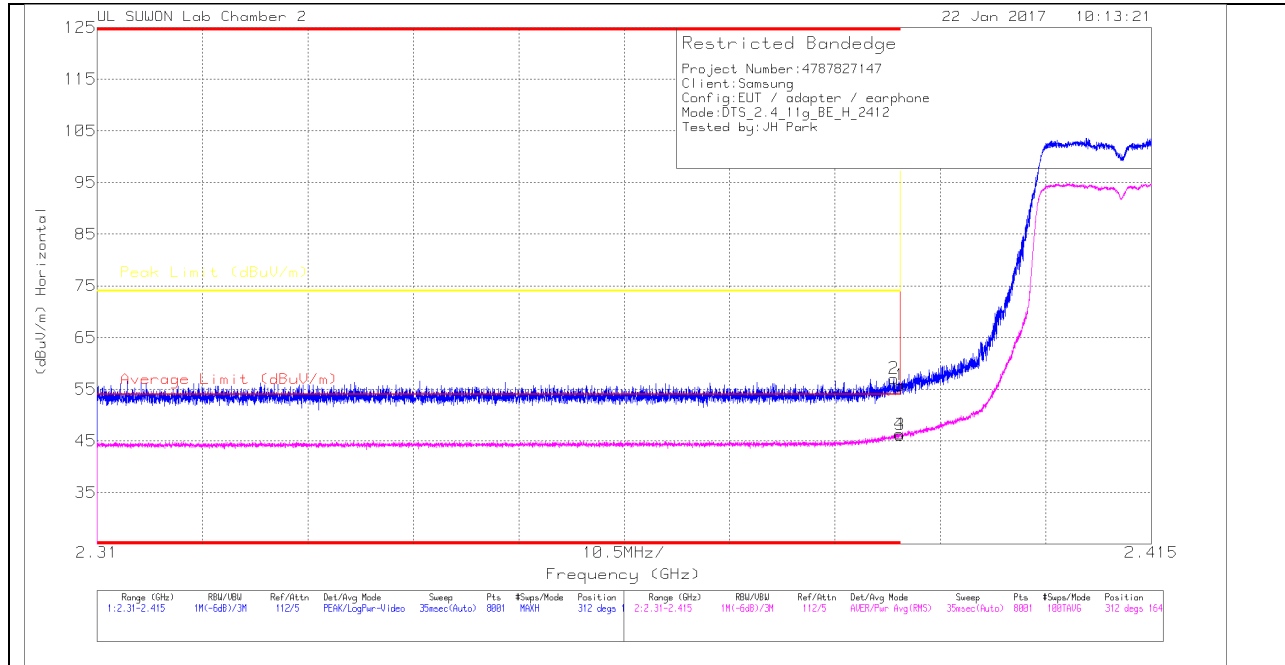
Pk – Peak detector

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

10.2.3. TX ABOVE 1 GHz 802.11g 2TX CDD MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

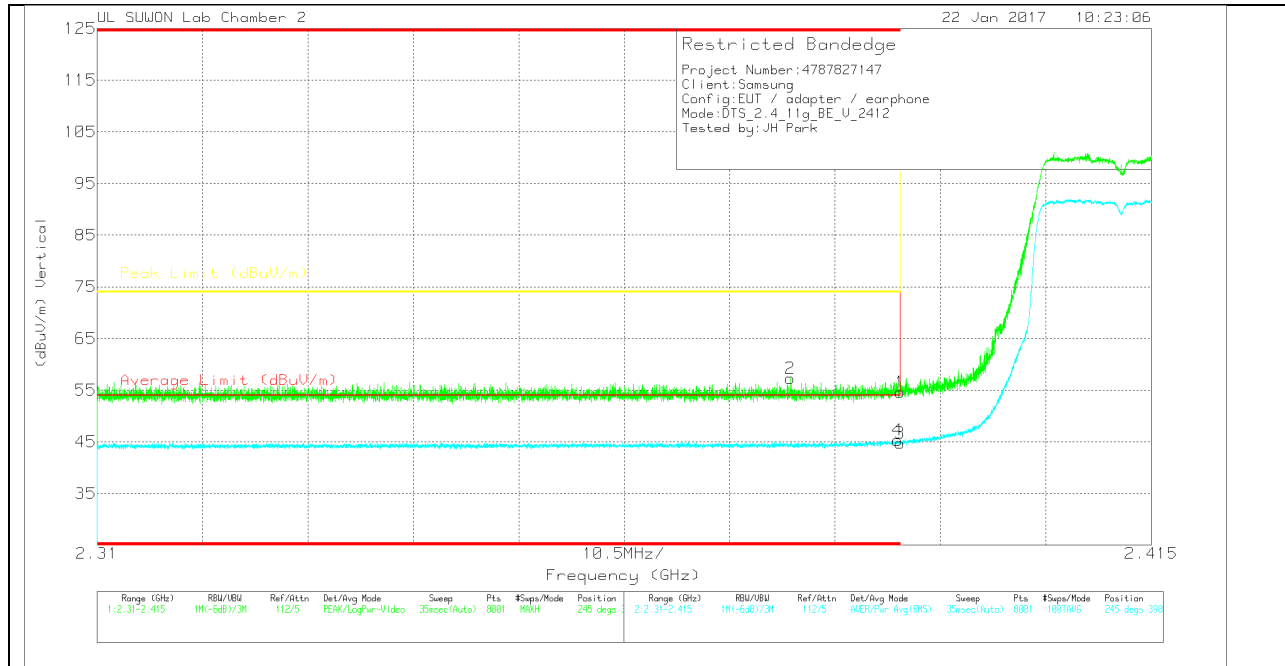
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.27	Pk	31.7	-18.2	0	55.77	-	-	74	-18.23	312	164	H
2	* 2.389	43.58	Pk	31.7	-18.2	0	57.08	-	-	74	-16.92	312	164	H
3	* 2.39	32.42	RMS	31.7	-18.2	.24	46.16	54	-7.84	-	-	312	164	H
4	* 2.39	32.6	RMS	31.7	-18.2	.24	46.34	54	-7.66	-	-	312	164	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	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	* 2.39	41.1	Pk	31.7	-18.2	0	54.6	-	-	74	-19.4	245	398	V
2	* 2.379	43.87	Pk	31.7	-18.3	0	57.27	-	-	74	-16.73	245	398	V
3	* 2.39	31.02	RMS	31.7	-18.2	.24	44.76	54	-9.24	-	-	245	398	V
4	* 2.39	31.58	RMS	31.7	-18.2	.24	45.32	54	-8.68	-	-	245	398	V

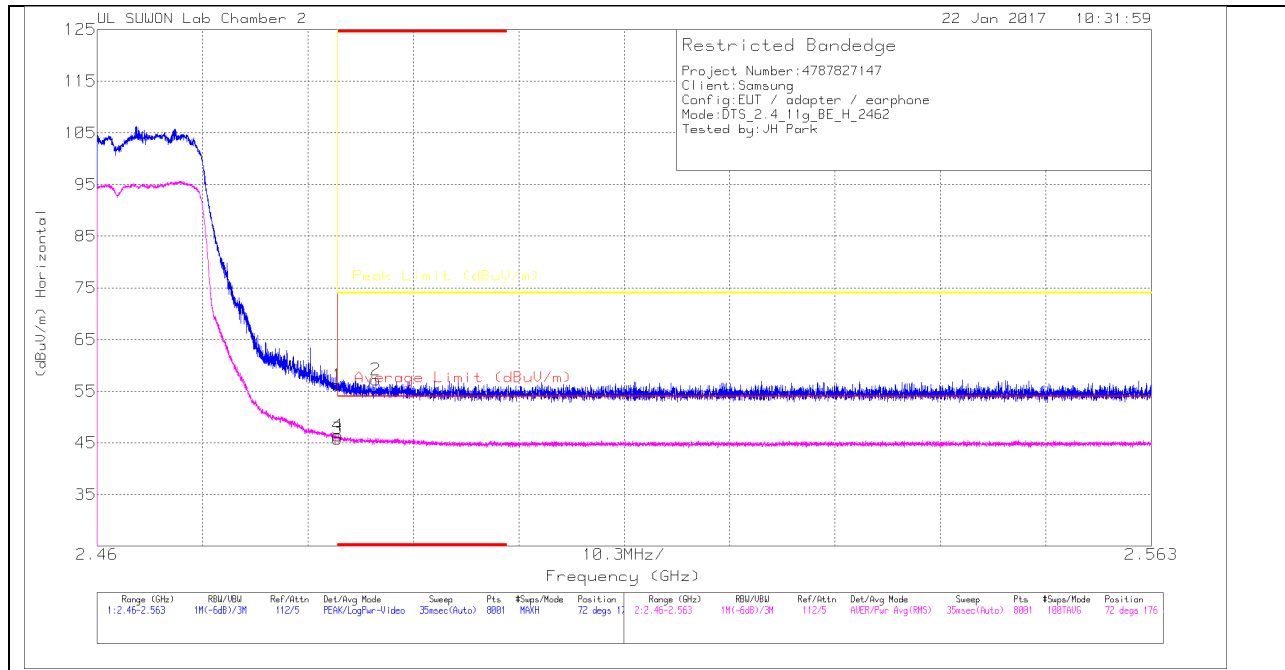
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

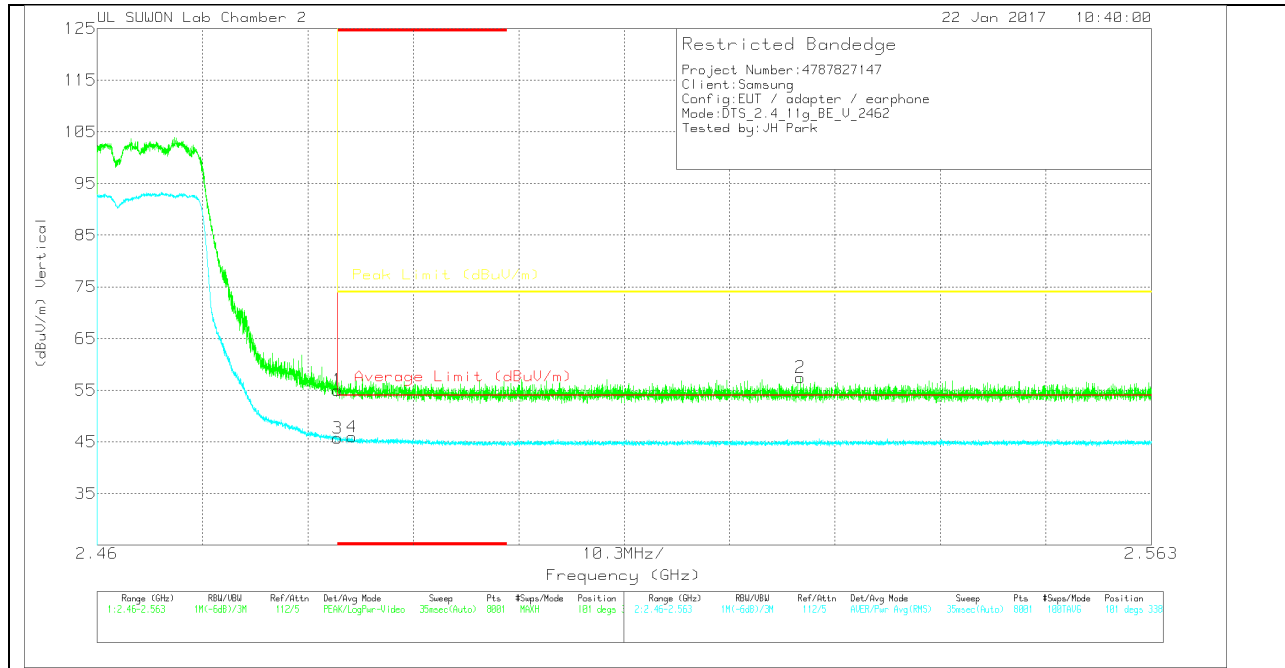
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.41	Pk	31.8	-18	0	56.21	-	-	74	-17.79	72	176	H
2	* 2.487	43.41	Pk	31.8	-18	0	57.21	-	-	74	-16.79	72	176	H
3	* 2.484	31.78	RMS	31.8	-18	.24	45.82	54	-8.18	-	-	72	176	H
4	* 2.484	32.39	RMS	31.8	-18	.24	46.43	54	-7.57	-	-	72	176	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	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	* 2.484	41.22	Pk		-18	0	55.02	-	-	74	-18.98	101	338	V
2	2.529	43.55	Pk		-18	0	57.45	-	-	74	-16.55	101	338	V
3	* 2.484	31.68	RMS		-18	.24	45.72	54	-8.28	-	-	101	338	V
4	* 2.485	31.91	RMS		-18	.24	45.95	54	-8.05	-	-	101	338	V

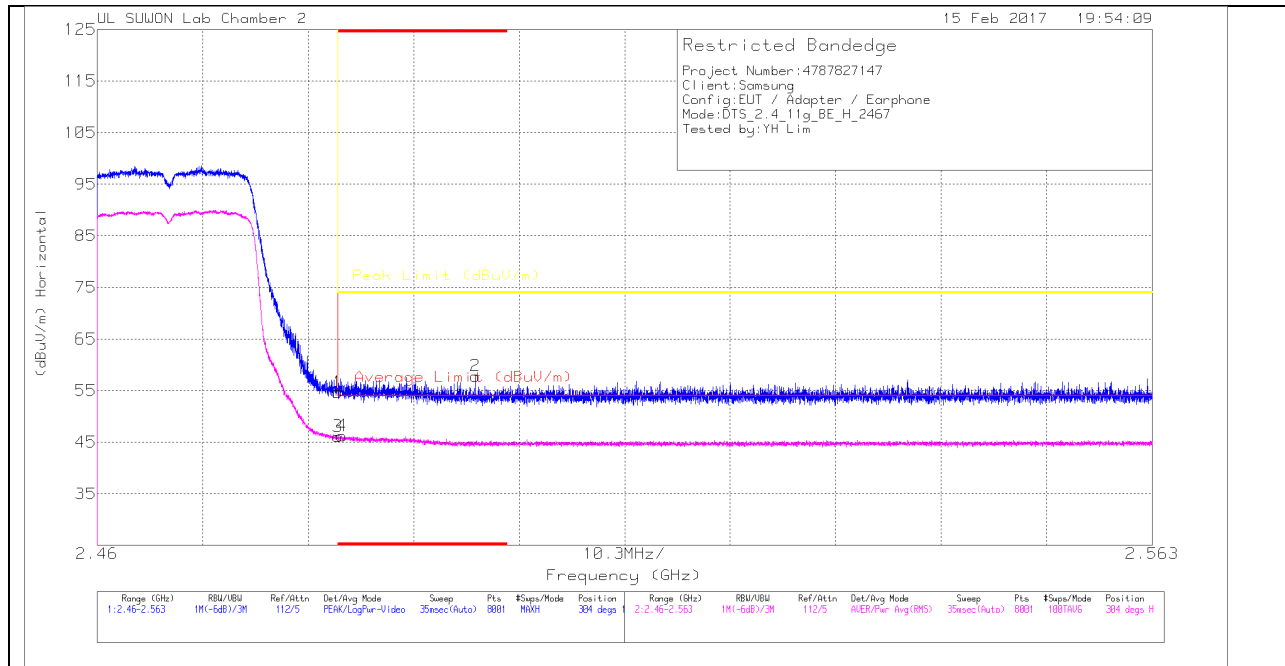
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

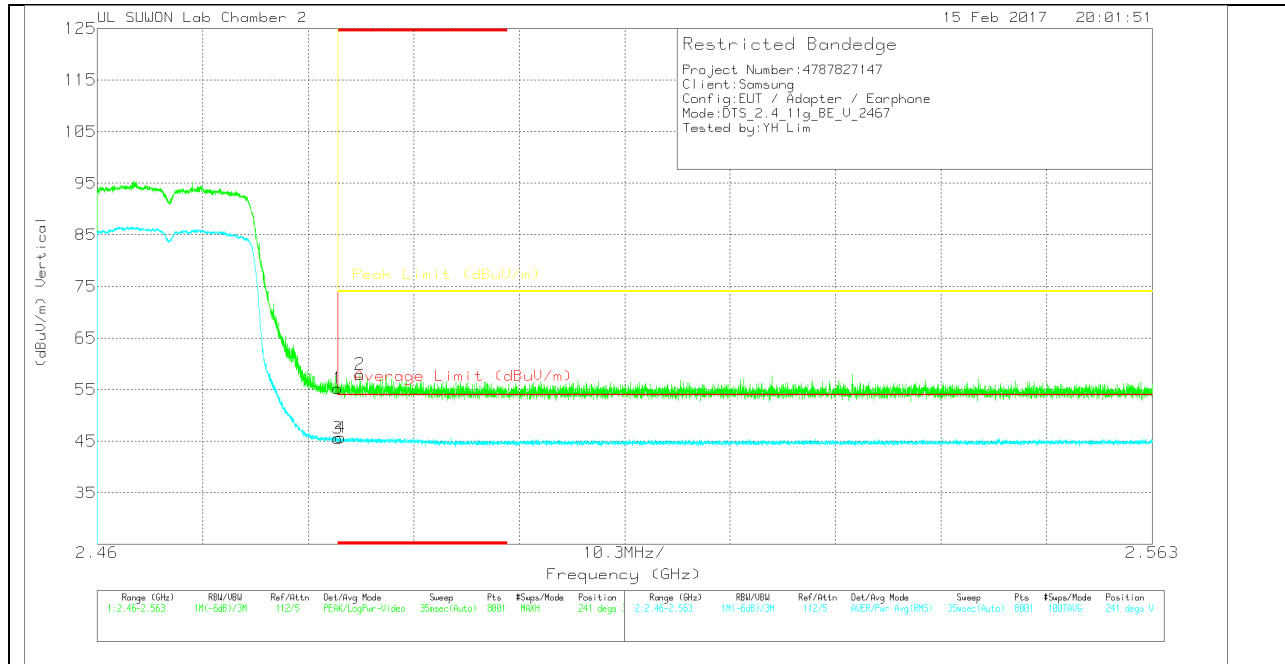
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.9	PK	31.8	-18	0	54.7	-	-	74	-19.3	304	160	H
2	* 2.497	44.04	PK	31.8	-18	0	57.84	-	-	74	-16.16	304	160	H
3	* 2.484	32.08	RMS	31.8	-18	.24	46.12	54	-7.88	-	-	304	160	H
4	* 2.484	32.22	RMS	31.8	-18	.24	46.26	54	-7.74	-	-	304	160	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	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	* 2.484	41.45	Pk	31.8	-18	0	55.25	-	-	74	-18.75	241	389	V
2	* 2.486	44.14	Pk	31.8	-18	0	57.94	-	-	74	-16.06	241	389	V
3	* 2.484	31.52	RMS	31.8	-18	.24	45.56	54	-8.44	-	-	241	389	V
4	* 2.484	31.68	RMS	31.8	-18	.24	45.72	54	-8.28	-	-	241	389	V

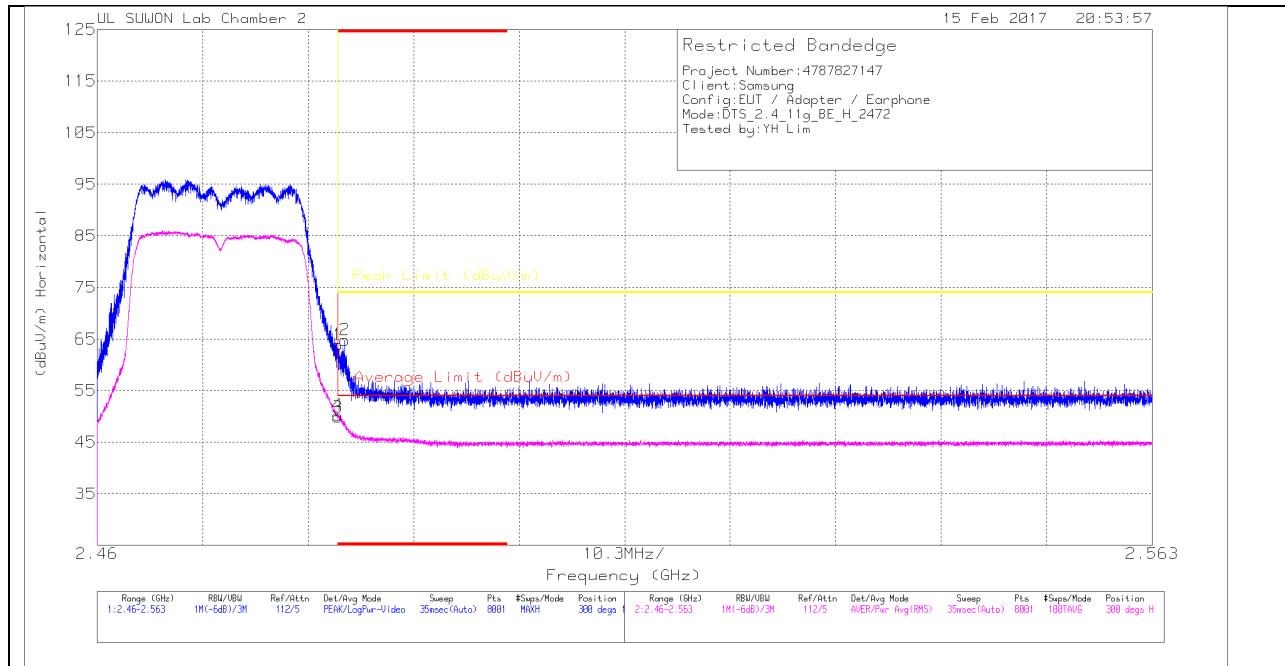
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

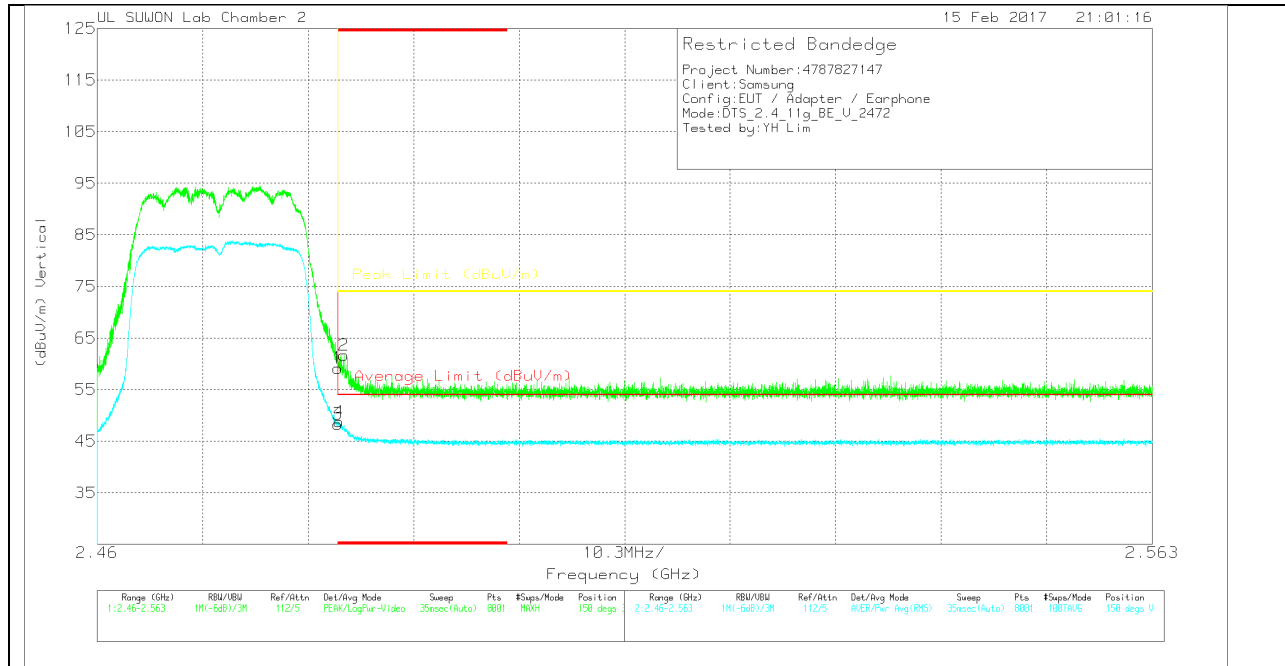
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.09	PK		-18	0	63.89	-	-	74	-10.11	300	133	H
2	* 2.484	50.99	PK		-18	0	64.79	-	-	74	-9.21	300	133	H
3	* 2.484	35.8	RMS		-18	.24	49.84	54	-4.16	-	-	300	133	H
4	* 2.484	36.22	RMS		-18	.24	50.26	54	-3.74	-	-	300	133	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	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	* 2.484	45.37	Pk	31.8	-18	0	59.17	-	-	74	-14.83	150	363	V
2	* 2.484	47.89	Pk	31.8	-18	0	61.69	-	-	74	-12.31	150	363	V
3	* 2.484	34.3	RMS	31.8	-18	.24	48.34	54	-5.66	-	-	150	363	V
4	* 2.484	34.72	RMS	31.8	-18	.24	48.76	54	-5.24	-	-	150	363	V

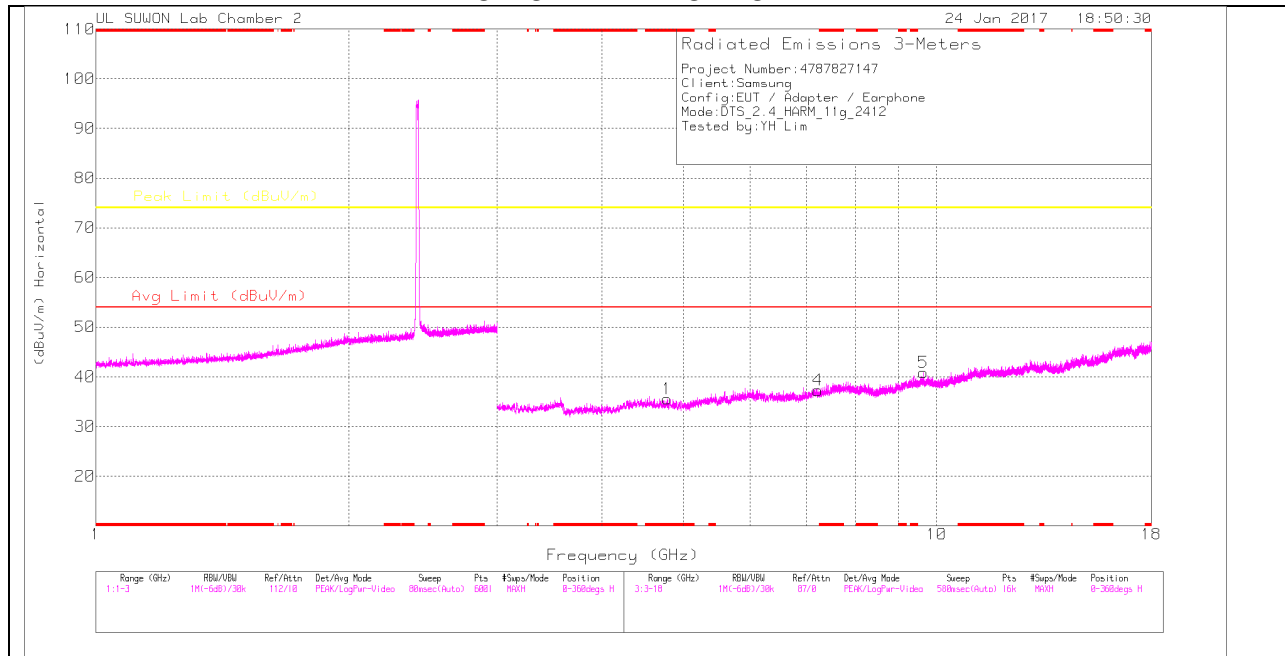
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

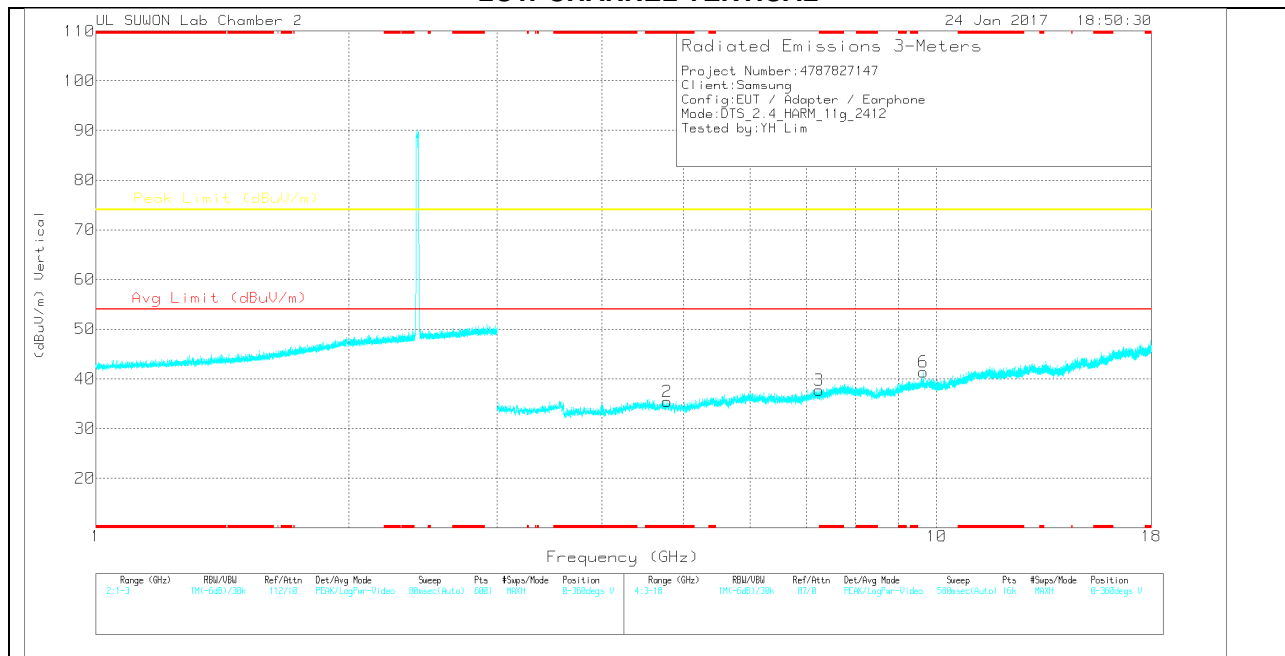
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

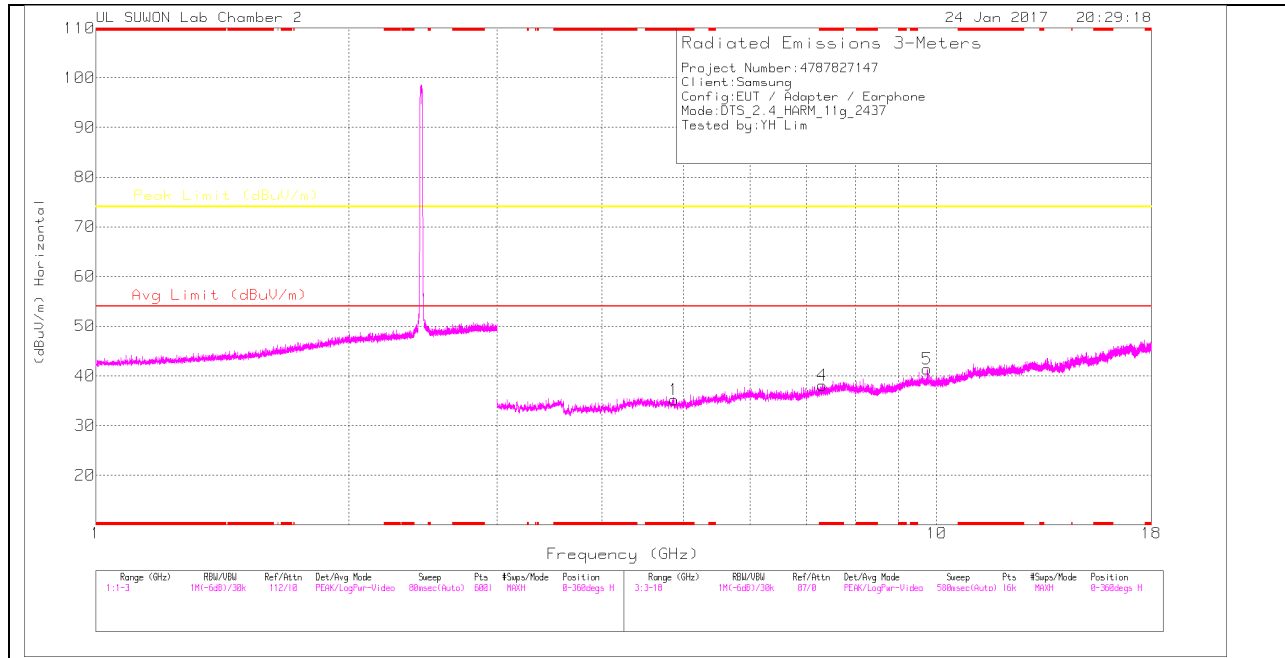
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.784	26.13	Pk	33.9	-24.5	0	35.53	-	-	74	-38.47	0-360	250	H
4	7.224	23.37	Pk	35.8	-21.9	0	37.27	-	-	74	-36.73	0-360	150	H
5	9.648	22.24	Pk	36.9	-18.3	0	40.84	-	-	74	-33.16	0-360	150	H
2	* 4.782	26	Pk	33.9	-24.5	0	35.4	-	-	74	-38.6	0-360	250	V
3	7.244	23.89	Pk	35.8	-22	0	37.69	-	-	74	-36.31	0-360	150	V
6	9.648	22.83	Pk	36.9	-18.3	0	41.43	-	-	74	-32.57	0-360	150	V

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

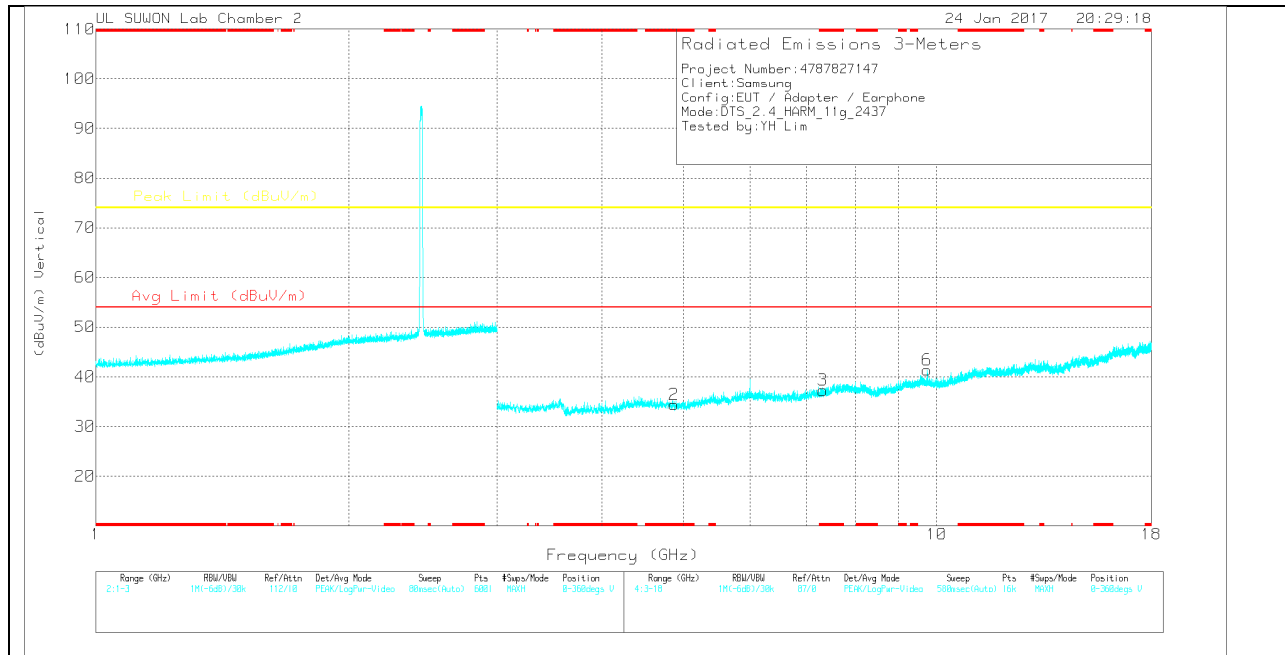
Pk – Peak detector

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 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

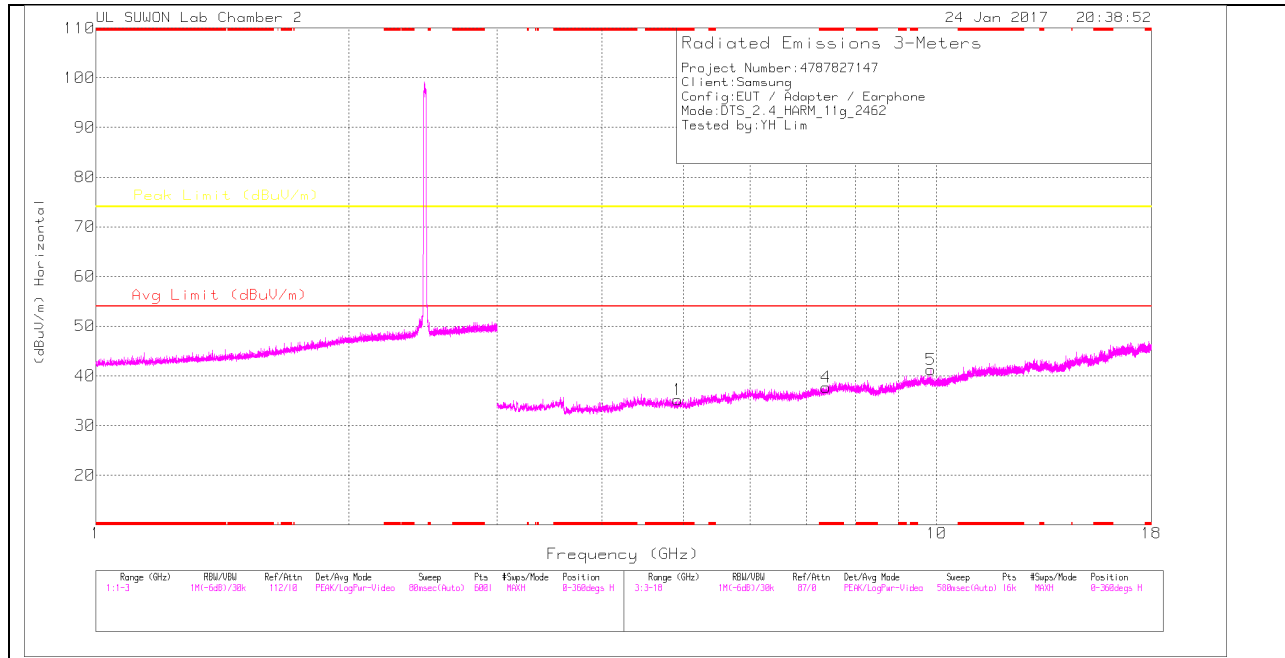
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.874	25.75	Pk	33.9	-24.5	0	35.15	-	-	74	-38.85	0-360	150	H
4	* 7.31	24.23	Pk	35.9	-22	0	38.13	-	-	74	-35.87	0-360	150	H
5	9.748	22.5	Pk	37	-18.1	0	41.4	-	-	74	-32.6	0-360	250	H
2	* 4.872	25.06	Pk	33.9	-24.5	0	34.46	-	-	74	-39.54	0-360	150	V
3	* 7.317	23.37	Pk	35.9	-22	0	37.27	-	-	74	-36.73	0-360	250	V
6	9.748	22.47	Pk	37	-18.1	0	41.37	-	-	74	-32.63	0-360	150	V

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

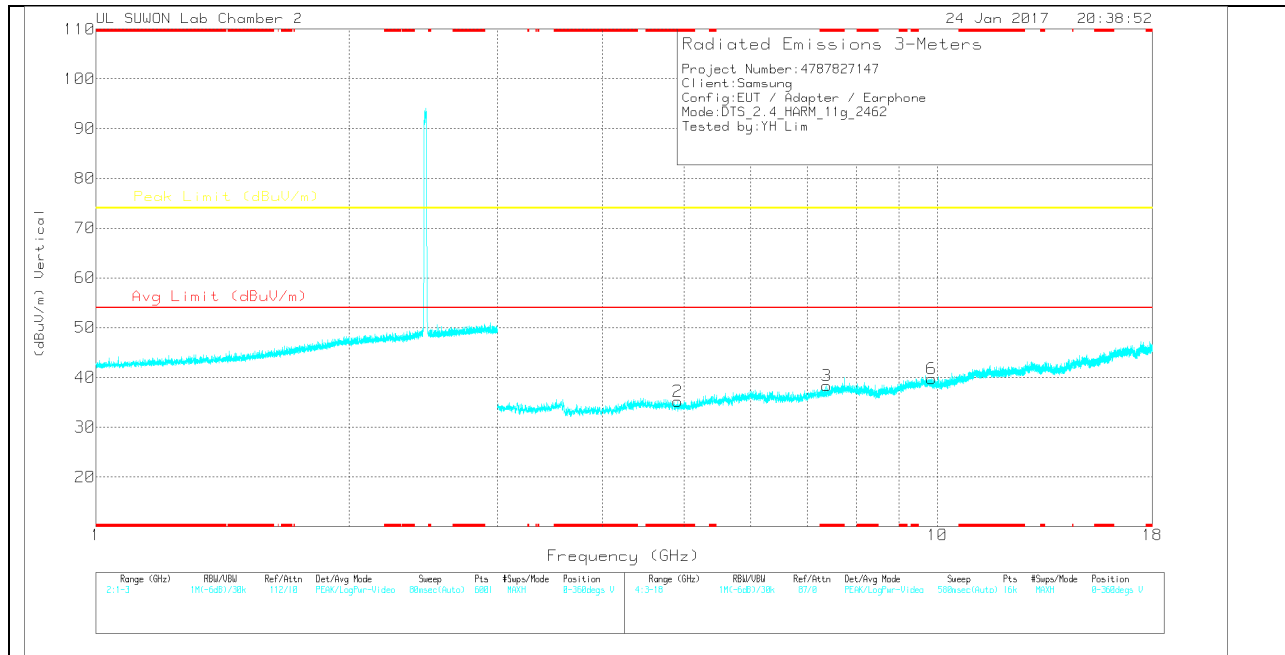
Pk – Peak detector

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 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

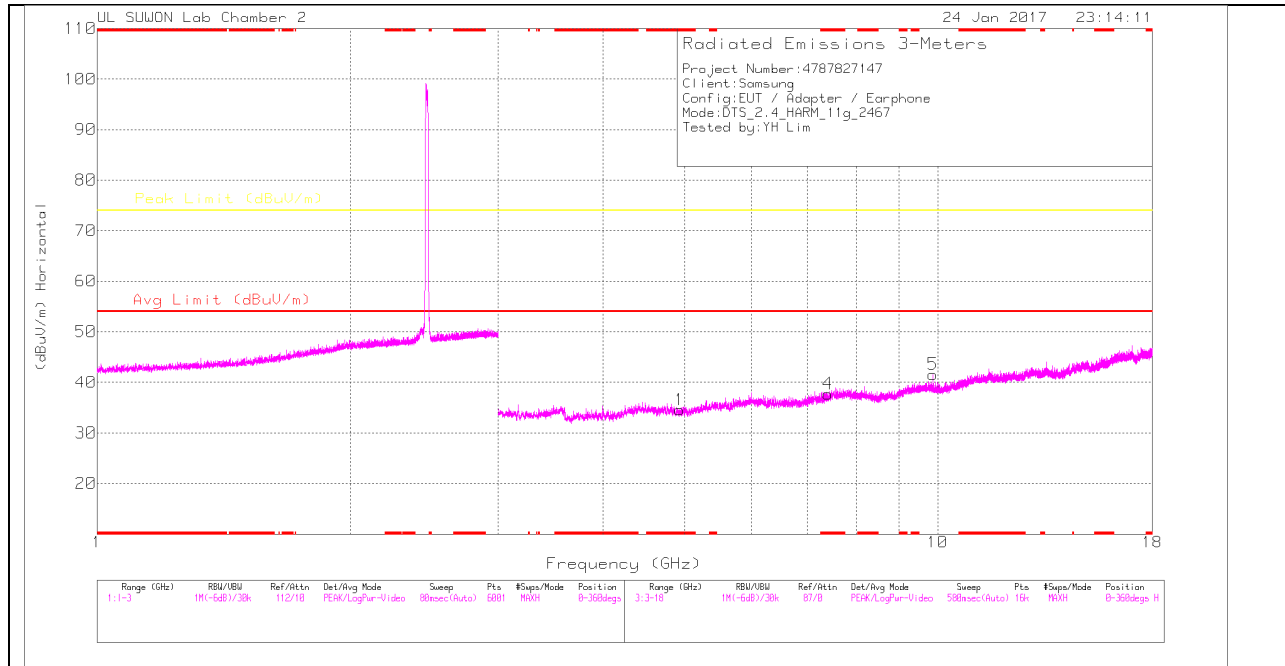
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.92	25.95	Pk	33.9	-24.7	0	35.15	-	-	74	-38.85	0-360	250	H
4	* 7.383	23.26	Pk	35.9	-21.4	0	37.76	-	-	74	-36.24	0-360	150	H
5	9.848	22.03	Pk	37.1	-17.9	0	41.23	-	-	74	-32.77	0-360	150	H
2	* 4.917	26.03	Pk	33.9	-24.7	0	35.23	-	-	74	-38.77	0-360	150	V
3	* 7.388	23.82	Pk	35.9	-21.4	0	38.32	-	-	74	-35.68	0-360	250	V
6	9.848	20.55	Pk	37.1	-17.9	0	39.75	-	-	74	-34.25	0-360	150	V

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

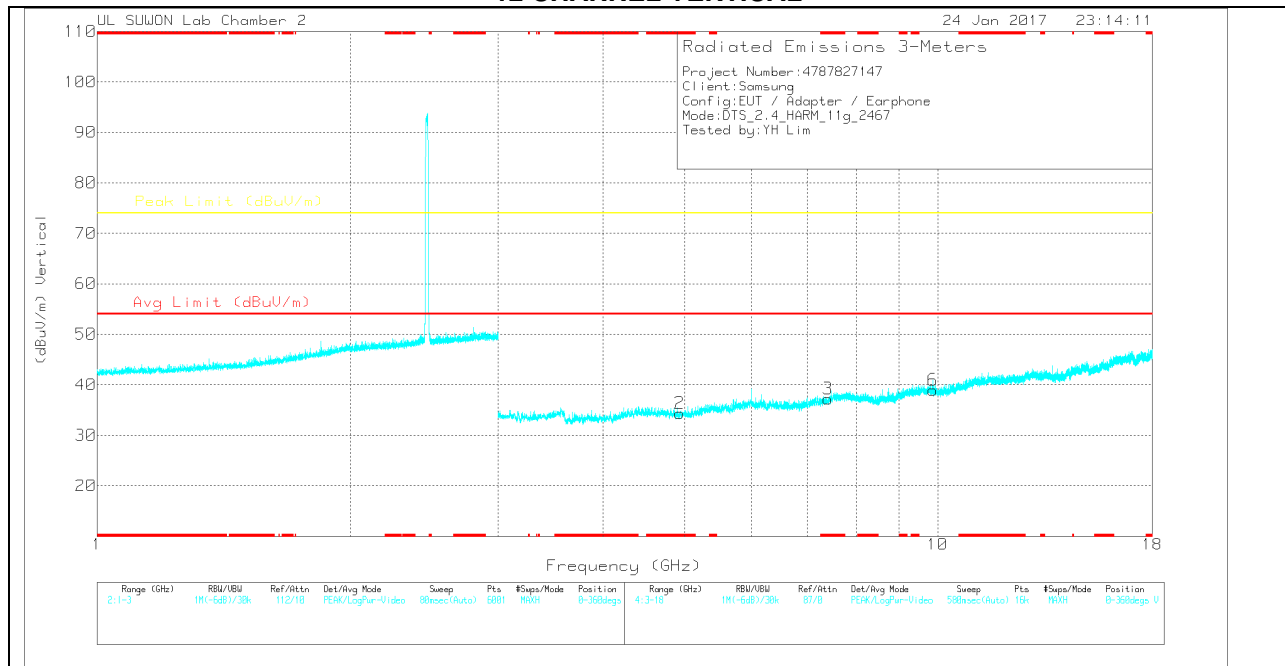
Pk – Peak detector

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

12 CHANNEL HORIZONTAL



12 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

12 CHANNEL DATA

Trace Markers

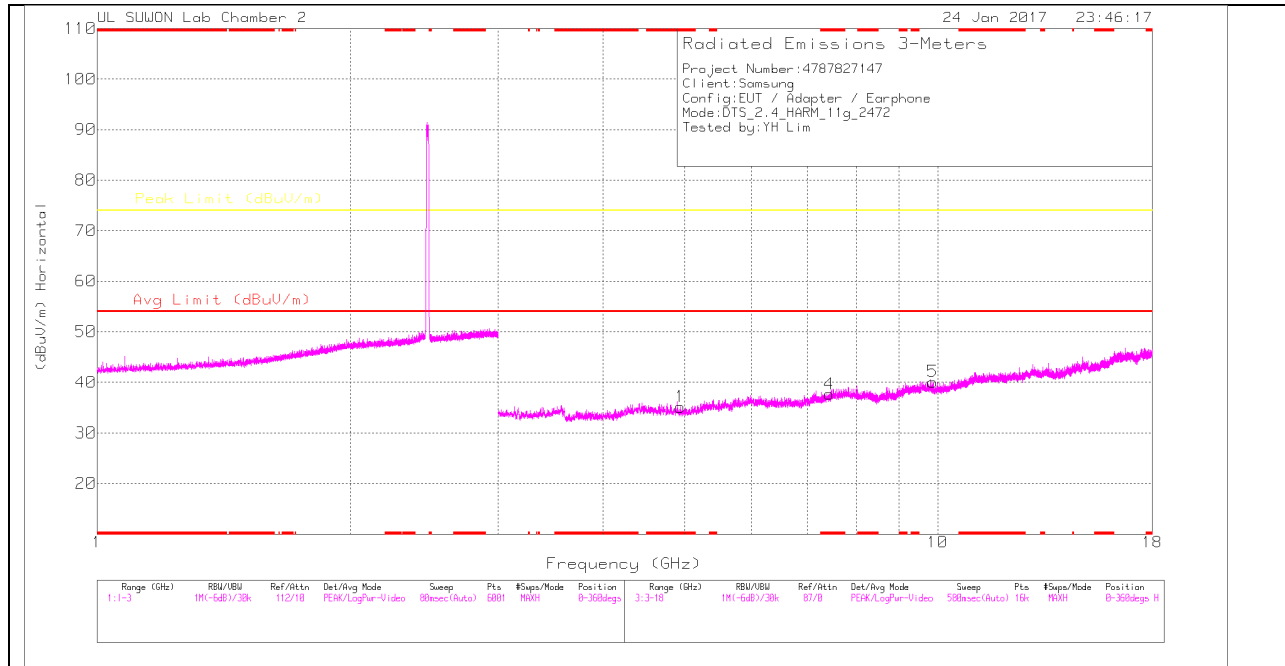
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.934	25.34	Pk	33.9	-24.7	0	34.54	-	-	74	-39.46	0-360	150	H
4	* 7.407	23.03	Pk	36	-21.3	0	37.73	-	-	74	-36.27	0-360	150	H
5	9.868	22.48	Pk	37.1	-18	0	41.58	-	-	74	-32.42	0-360	250	H
2	* 4.935	25.17	Pk	33.9	-24.7	0	34.37	-	-	74	-39.63	0-360	150	V
3	* 7.408	22.51	Pk	36	-21.3	0	37.21	-	-	74	-36.79	0-360	250	V
6	9.869	19.85	Pk	37.1	-18	0	38.95	-	-	74	-35.05	0-360	250	V

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

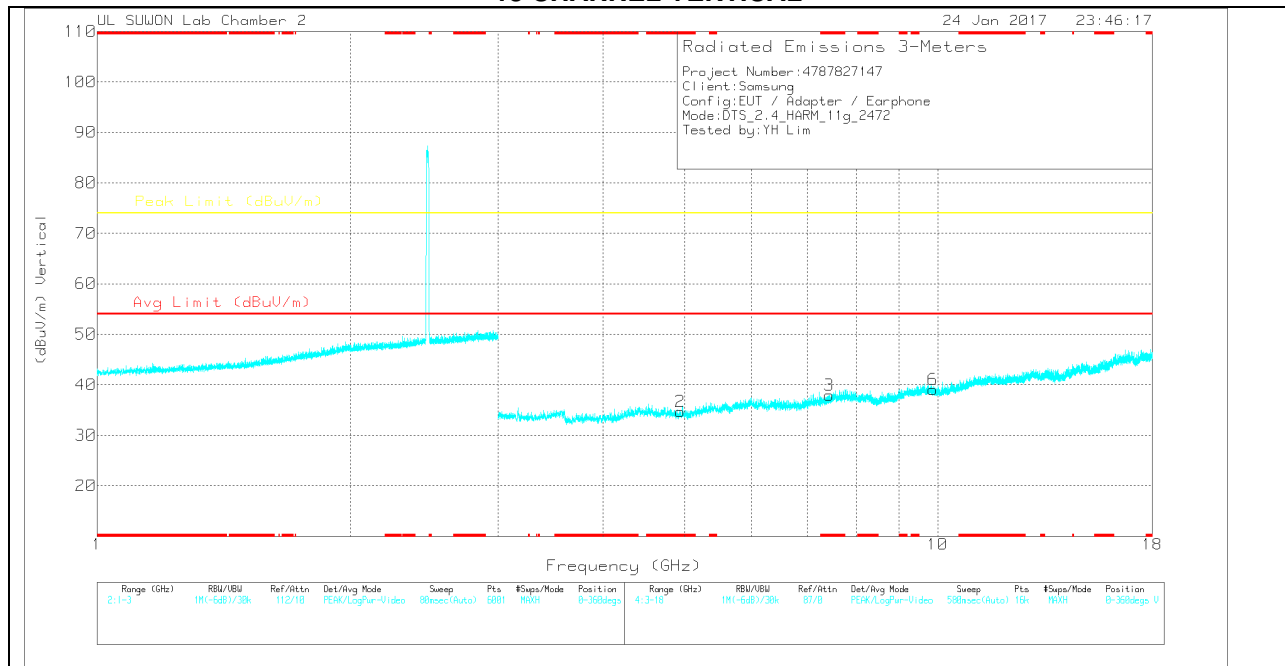
Pk – Peak detector

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

13 CHANNEL HORIZONTAL



13 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

13 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.939	26.04	Pk	33.9	-24.8	0	35.14	-	-	74	-38.86	0-360	250	H
4	* 7.43	22.76	Pk	36	-21.1	0	37.66	-	-	74	-36.34	0-360	250	H
5	9.863	21	Pk	37.1	-18	0	40.1	-	-	74	-33.9	0-360	150	H
2	* 4.938	25.57	Pk	33.9	-24.8	0	34.67	-	-	74	-39.33	0-360	250	V
3	* 7.434	22.91	Pk	36	-21	0	37.91	-	-	74	-36.09	0-360	150	V
6	9.866	19.93	Pk	37.1	-18	0	39.03	-	-	74	-34.97	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).