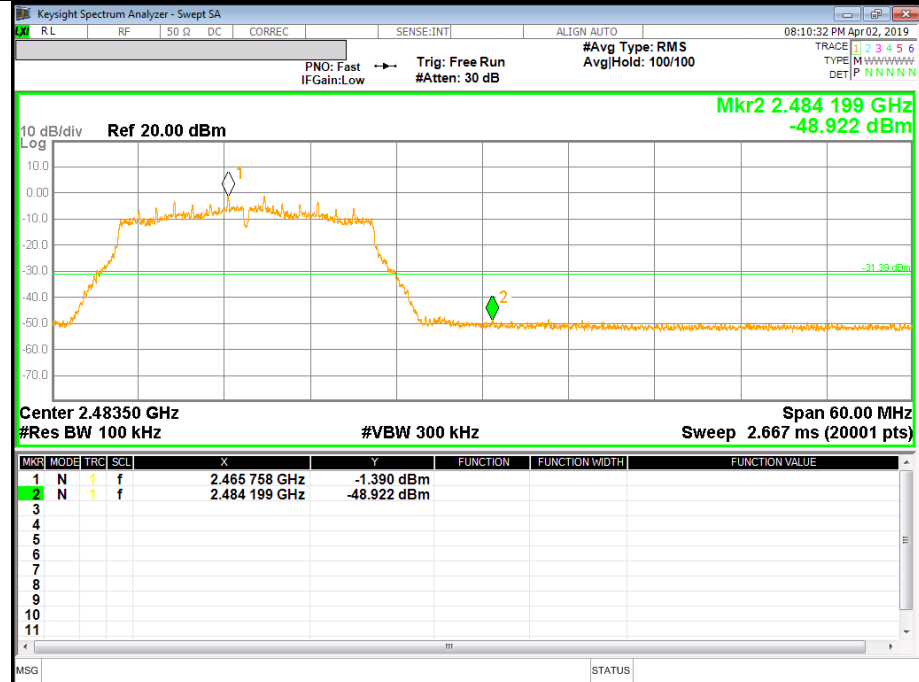
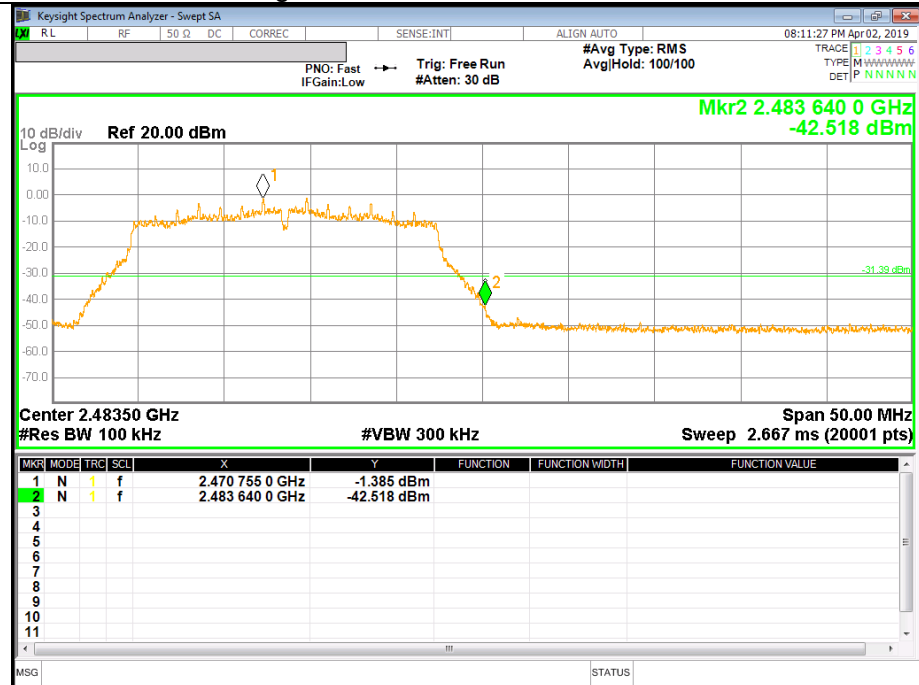


ANTENNA1

12 Channel BandEdge

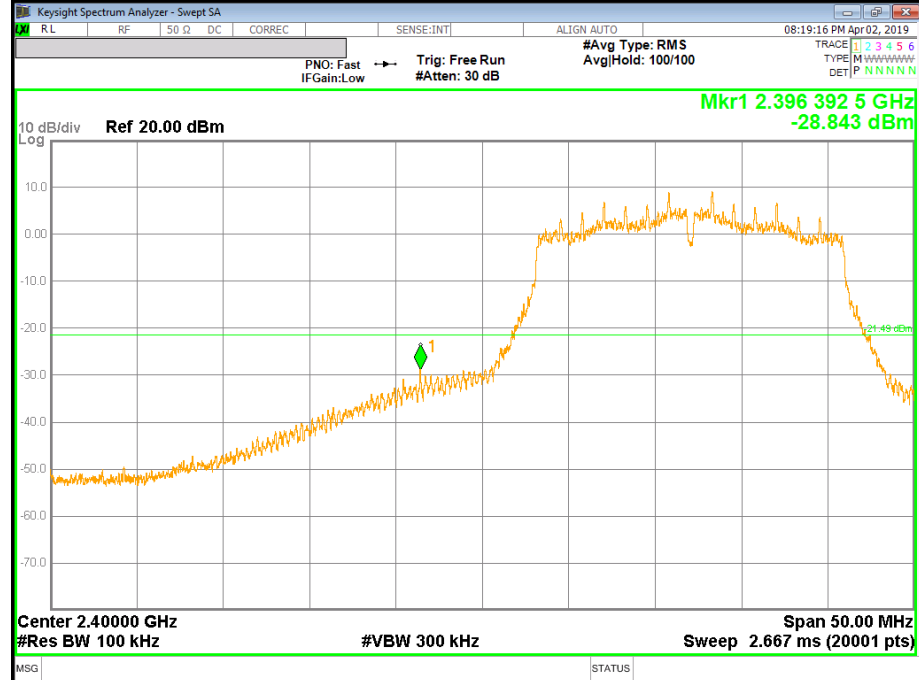


13 Channel BandEdge

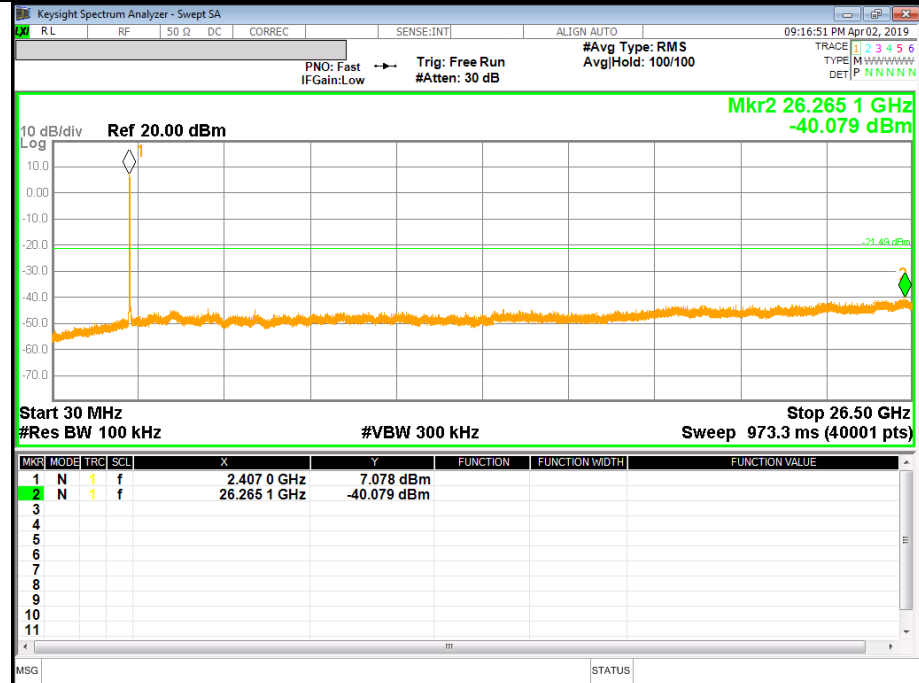


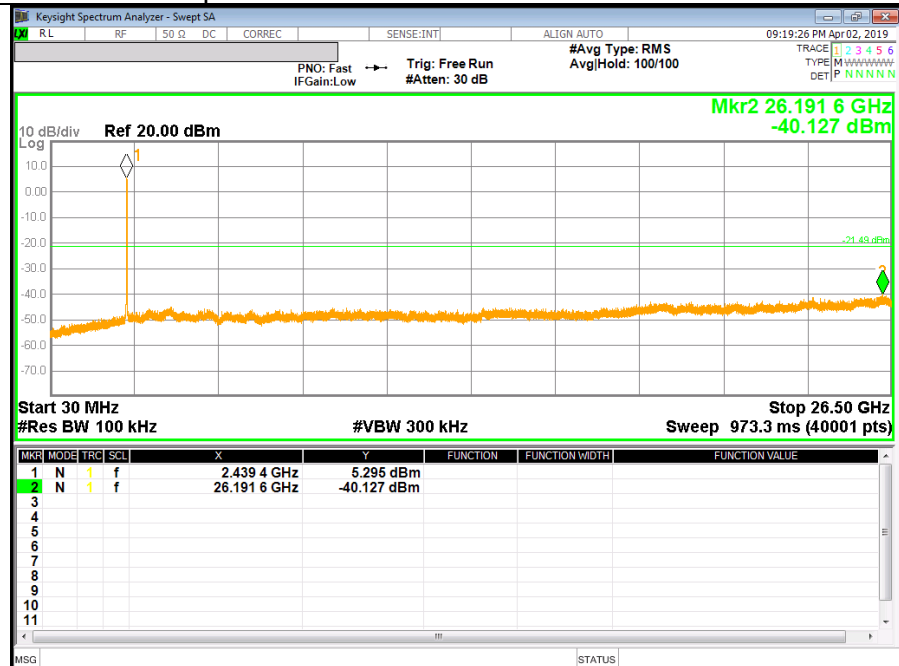
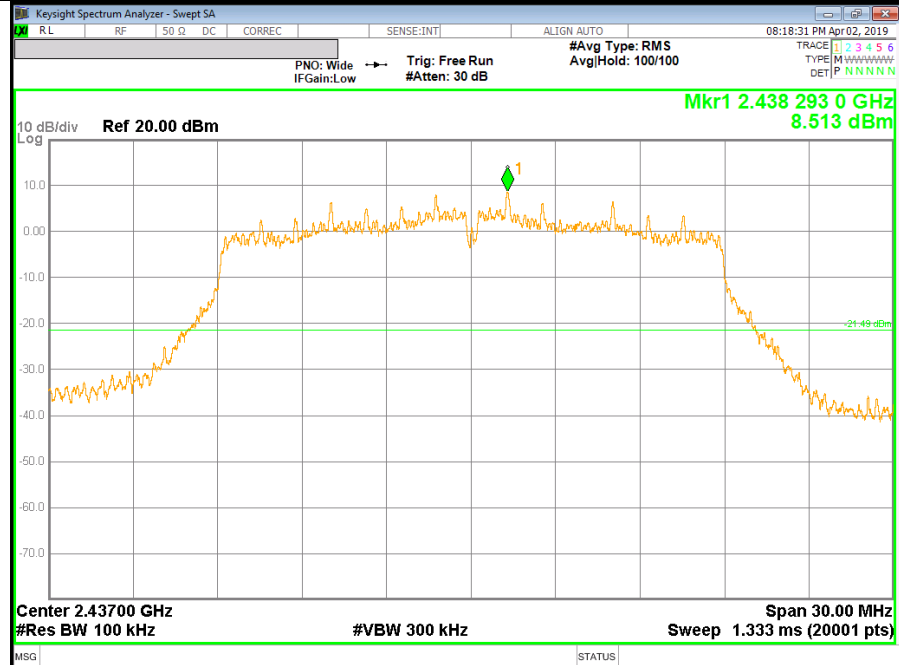
ANTENNA2

Low Channel BandEdge



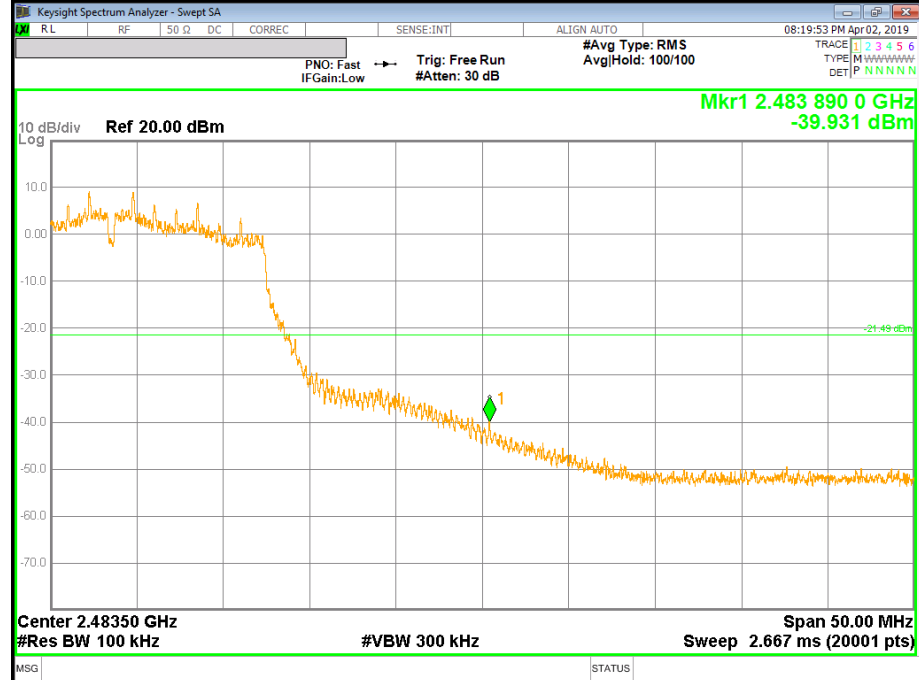
Low Channel Spurious



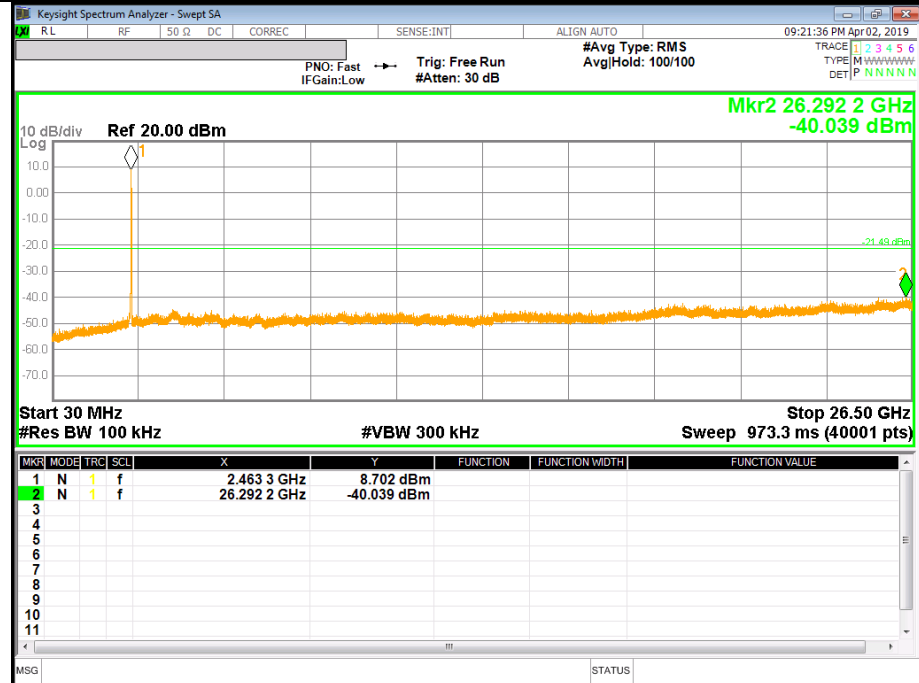


ANTENNA2

High Channel BandEdge

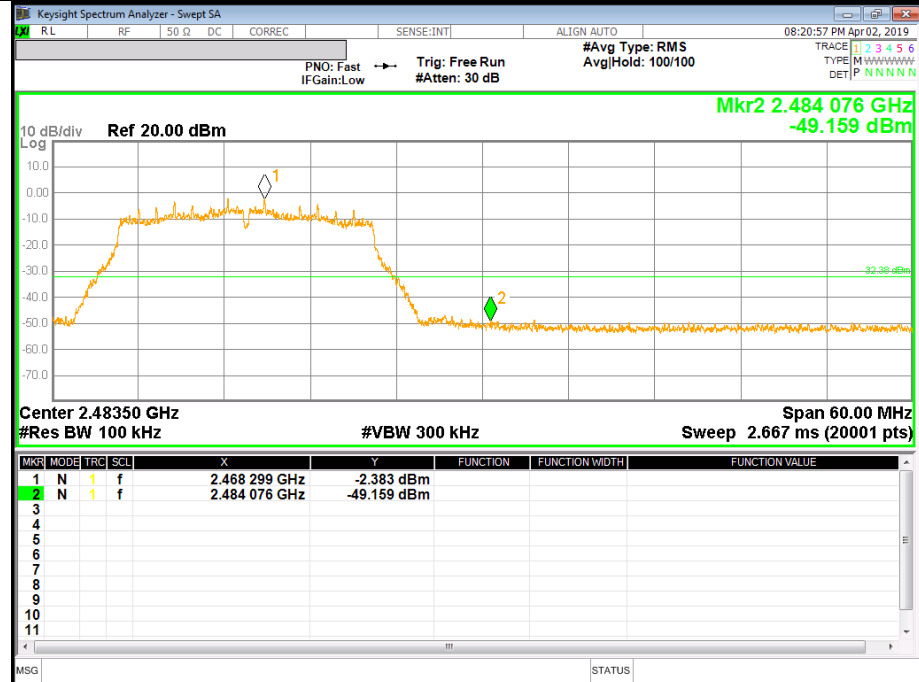


High Channel Spurious

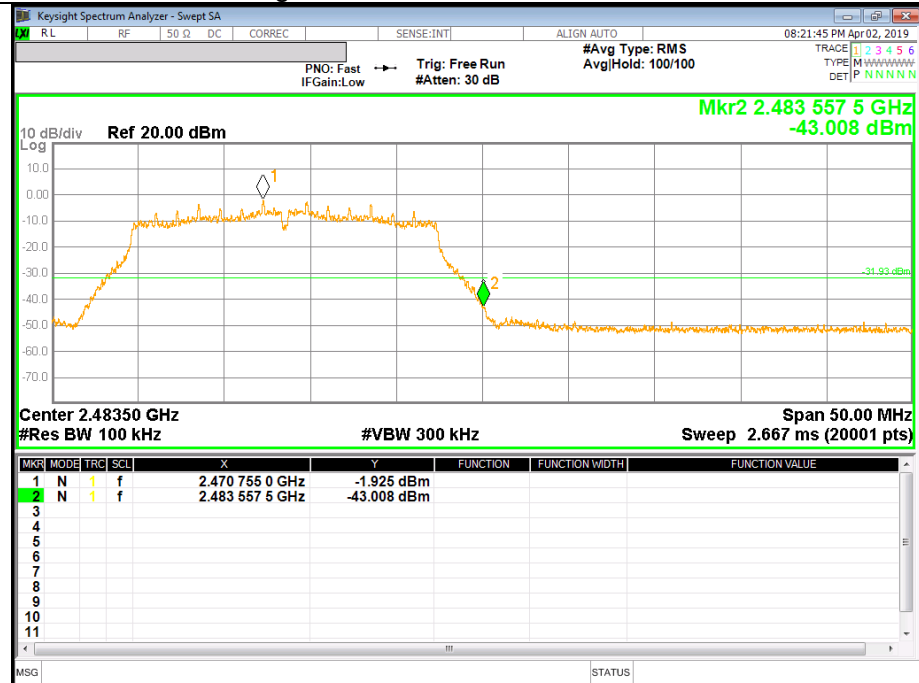


ANTENNA2

12 Channel BandEdge



13 Channel BandEdge



11. RADIATED TEST RESULTS

11.1. 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 = 0dB (duty cycle >98%); N mode = 0dB (duty cycle >98%).

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.

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

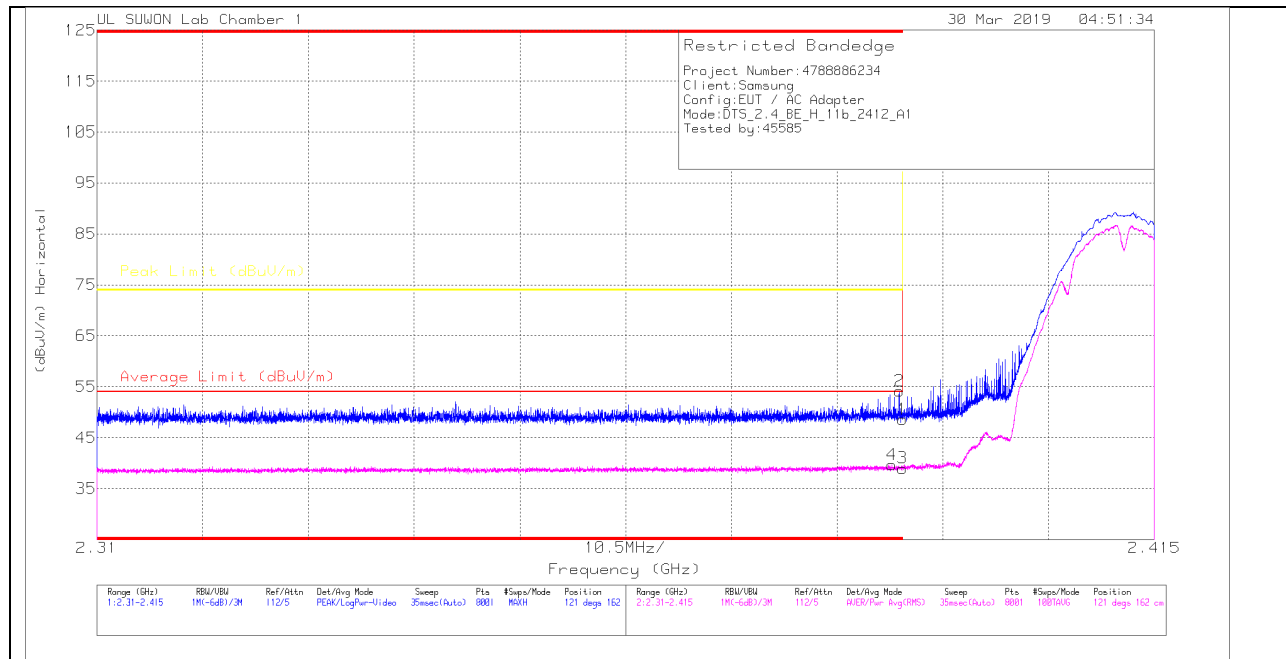
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field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

11.2. TRANSMITTER ABOVE 1 GHz

11.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND ANTENNA1

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

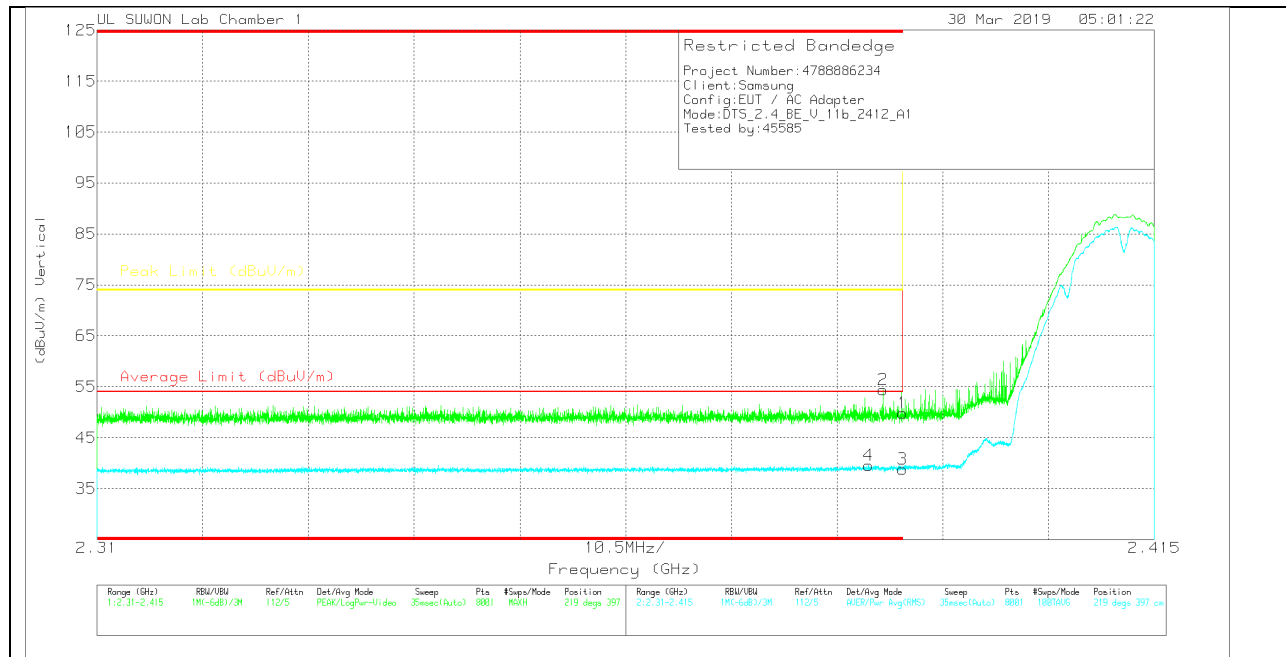
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	* 2.39	42.37	Pk	31.7	-25.5	0	48.57	-	-	74	-25.43	121	162	H
2	* 2.39	47.93	Pk	31.7	-25.5	0	54.13	-	-	74	-19.87	121	162	H
3	* 2.39	32.81	RMS	31.7	-25.5	0	39.01	54	-14.99	-	-	121	162	H
4	* 2.389	33.45	RMS	31.7	-25.5	0	39.65	54	-14.35	-	-	121	162	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.68	Pk	31.7	-25.5	0	49.88	-	-	74	-24.12	219	397	V
2	* 2.388	48.21	Pk	31.7	-25.5	0	54.41	-	-	74	-19.59	219	397	V
3	* 2.39	32.58	RMS	31.7	-25.5	0	38.78	54	-15.22	-	-	219	397	V
4	* 2.387	33.34	RMS	31.7	-25.5	0	39.54	54	-14.46	-	-	219	397	V

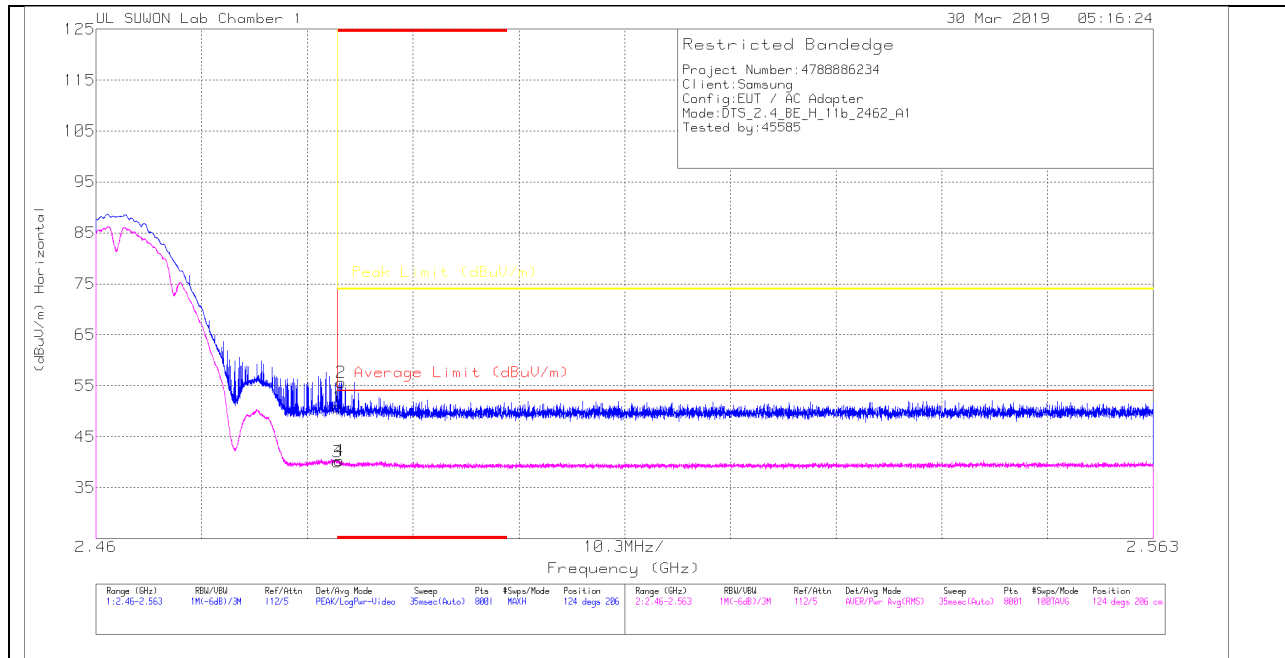
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

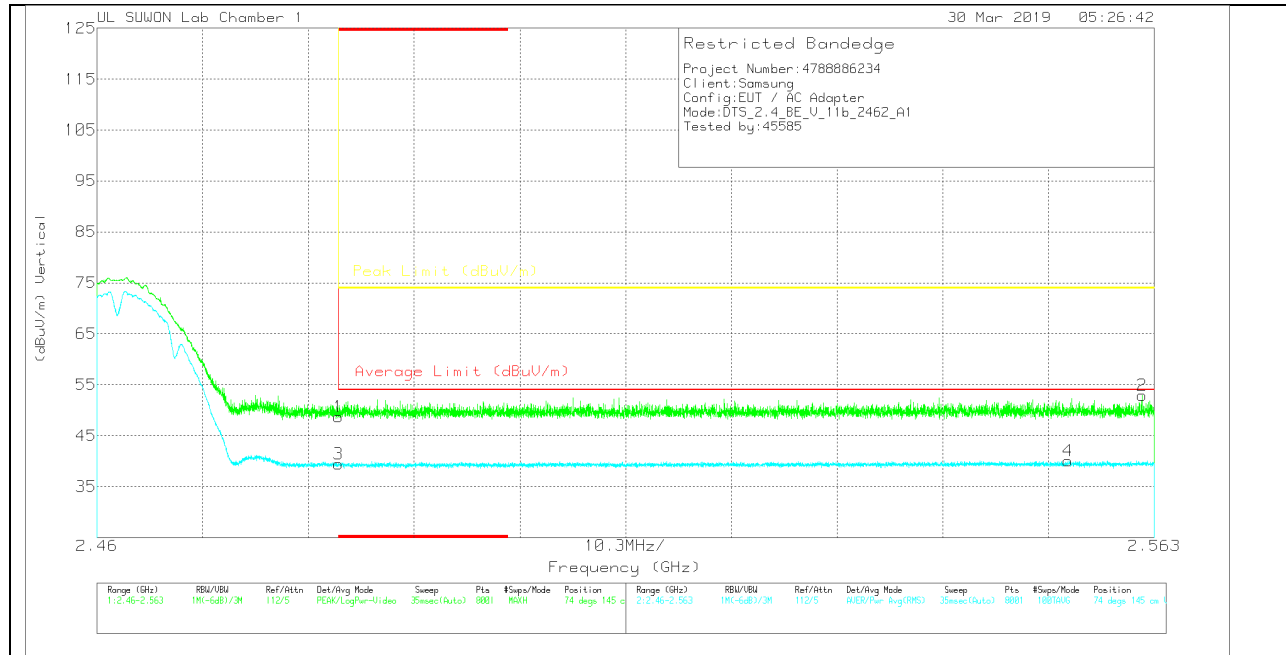
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00108717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.2	Pk	31.9	-25.3	0	50.8	-	-	74	-23.2	124	206	H
2	* 2.484	49.09	Pk	31.9	-25.3	0	55.69	-	-	74	-18.31	124	206	H
3	* 2.484	33.43	RMS	31.9	-25.3	0	40.03	54	-13.97	-	-	124	206	H
4	* 2.484	33.69	RMS	31.9	-25.3	0	40.29	54	-13.71	-	-	124	206	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.11	Pk	31.9	-25.3	0	48.71	-	-	74	-25.29	74	145	V
2	2.562	46.04	Pk	32	-25.1	0	52.94	-	-	74	-21.06	74	145	V
3	* 2.484	32.84	RMS	31.9	-25.3	0	39.44	54	-14.56	-	-	74	145	V
4	2.555	33.19	RMS	32	-25.1	0	40.09	54	-13.91	-	-	74	145	V

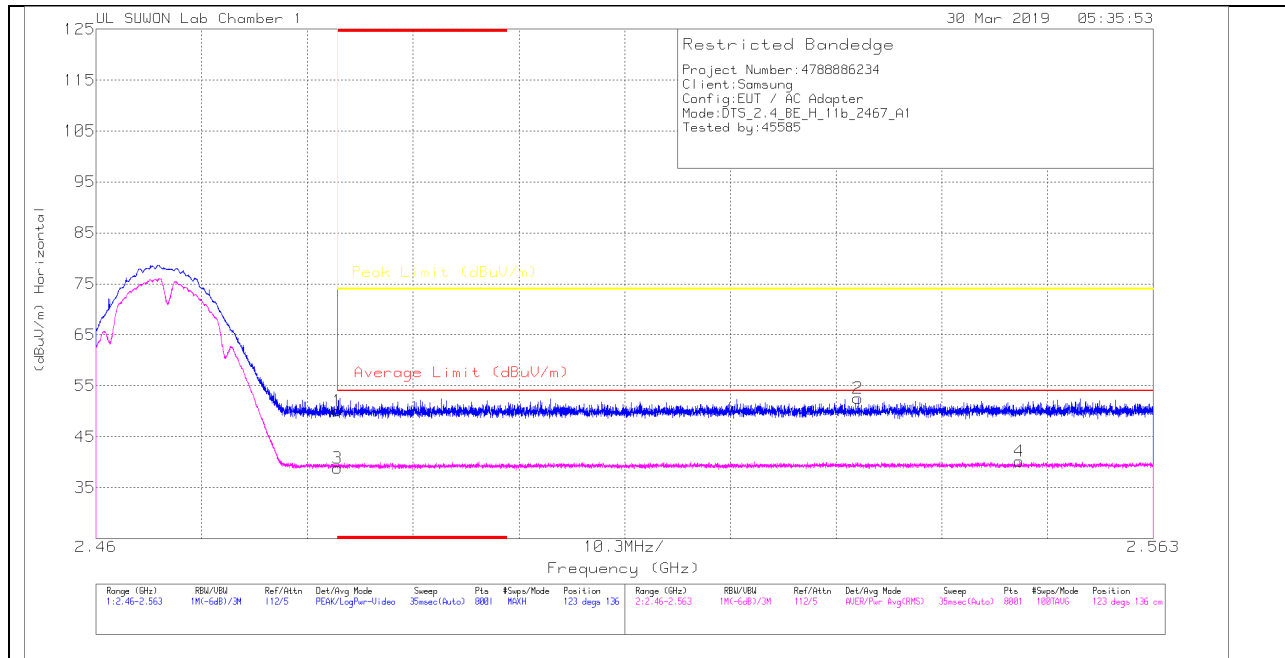
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

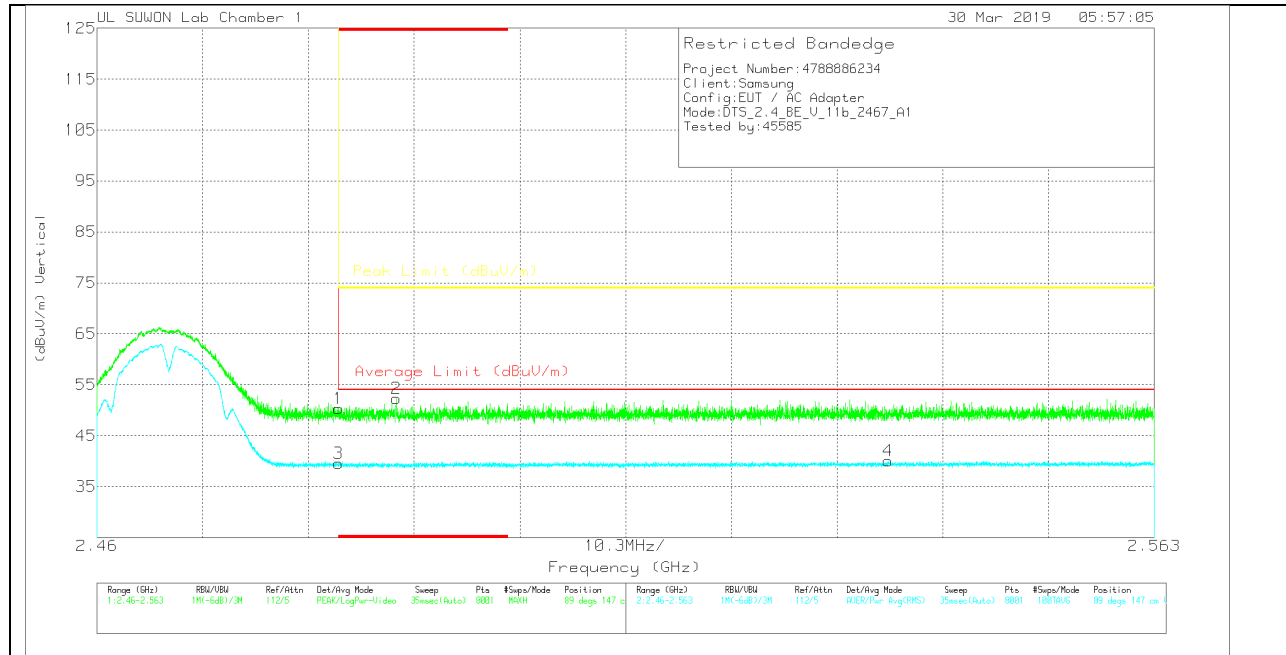
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.43	Pk	31.9	-25.3	0	50.03	-	-	74	-23.97	123	136	H
2	2.534	45.67	Pk	32	-25.1	0	52.57	-	-	74	-21.43	123	136	H
3	* 2.484	32.27	RMS	31.9	-25.3	0	38.87	54	-15.13	-	-	123	136	H
4	2.55	33.37	RMS	32	-25.2	0	40.17	54	-13.83	-	-	123	136	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.72	Pk	31.9	-25.3	0	50.32	-	-	74	-23.68	89	147	V
2	* 2.489	45.59	Pk	31.9	-25.2	0	52.29	-	-	74	-21.71	89	147	V
3	* 2.484	32.99	RMS	31.9	-25.3	0	39.59	54	-14.41	-	-	89	147	V
4	2.537	33.28	RMS	32	-25.2	0	40.08	54	-13.92	-	-	89	147	V

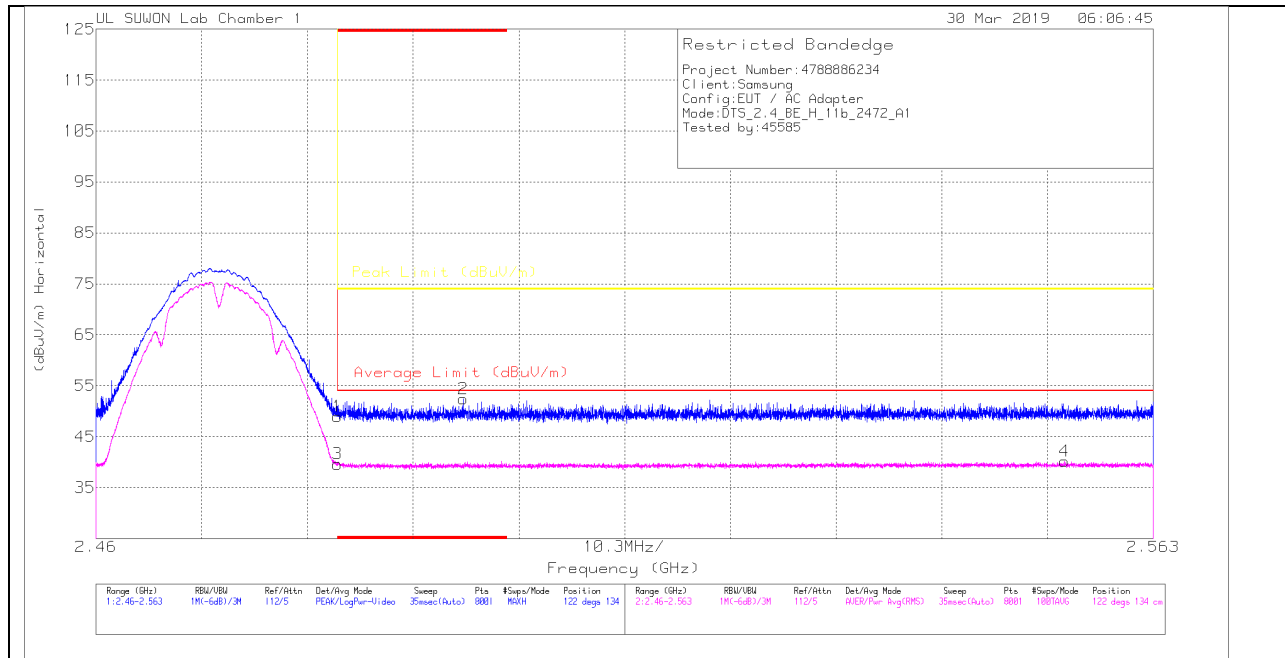
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

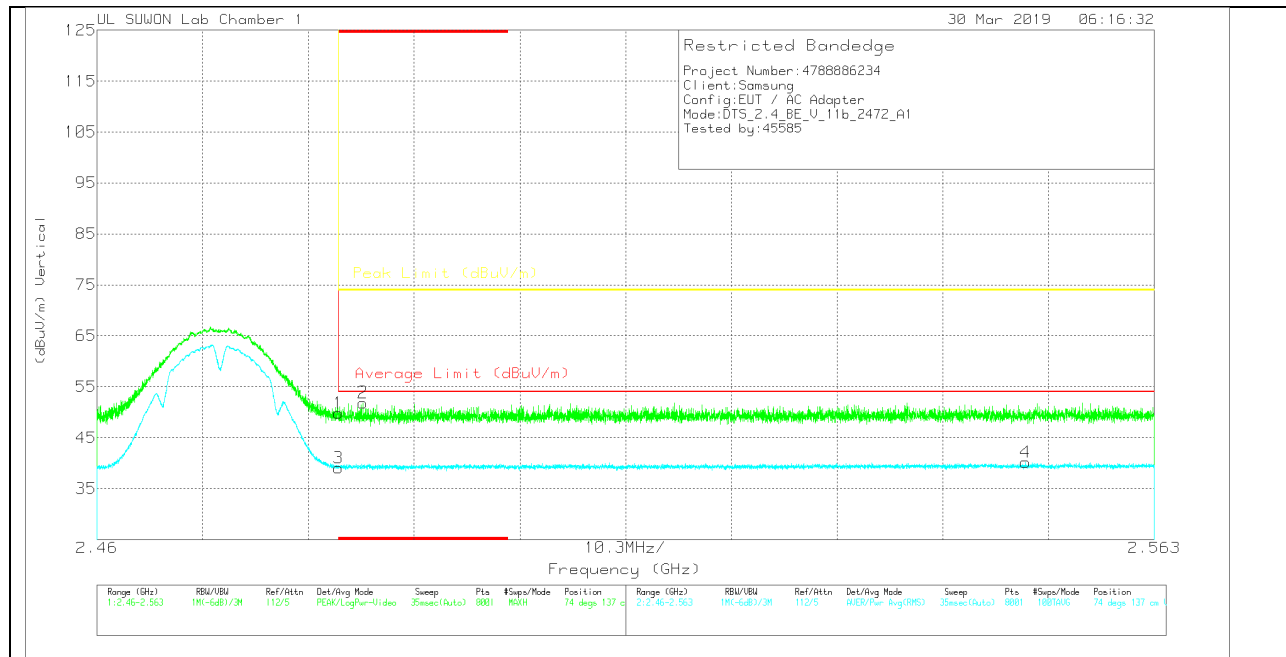
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.35	Pk	31.9	-25.3	0	48.95	-	-	74	-25.05	122	134	H
2	* 2.496	45.74	Pk	31.9	-25.2	0	52.44	-	-	74	-21.56	122	134	H
3	* 2.484	33.03	RMS	31.9	-25.3	0	39.63	54	-14.37	-	-	122	134	H
4	2.554	33.31	RMS	32	-25.1	0	40.21	54	-13.79	-	-	122	134	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.2	Pk	31.9	-25.3	0	49.8	-	-	74	-24.2	74	137	V
2	* 2.486	45.17	Pk	31.9	-25.2	0	51.87	-	-	74	-22.13	74	137	V
3	* 2.484	32.48	RMS	31.9	-25.3	0	39.08	54	-14.92	-	-	74	137	V
4	2.55	33.41	RMS	32	-25.2	0	40.21	54	-13.79	-	-	74	137	V

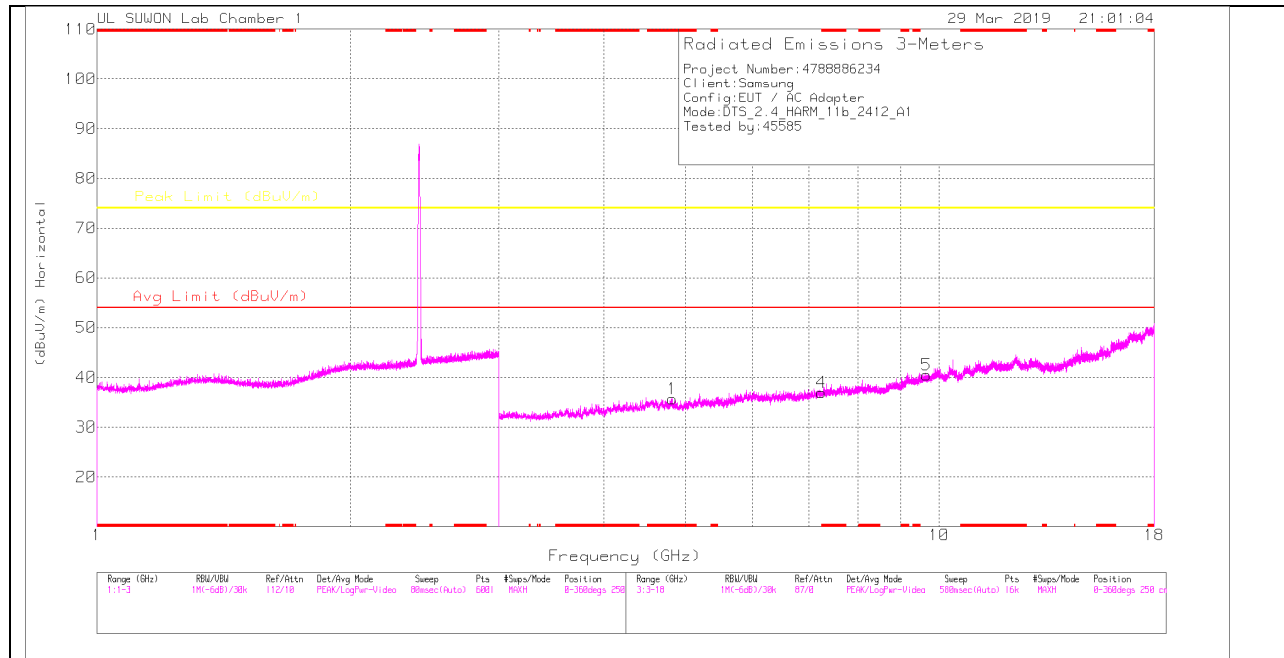
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

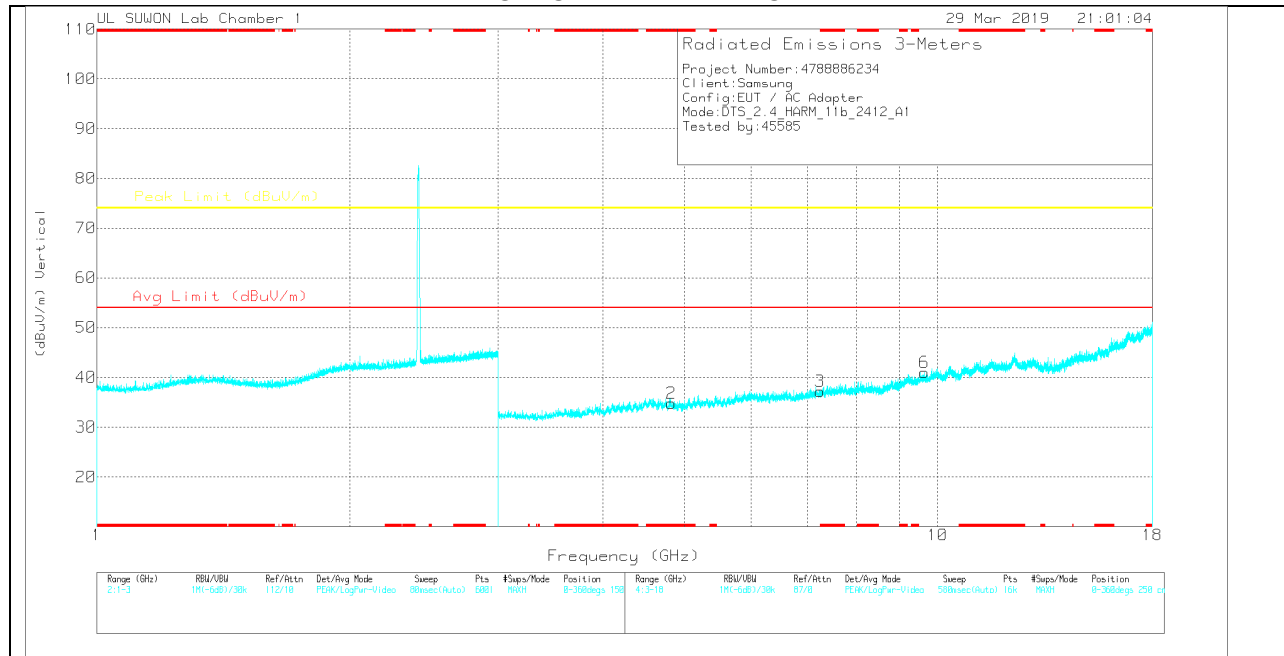
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

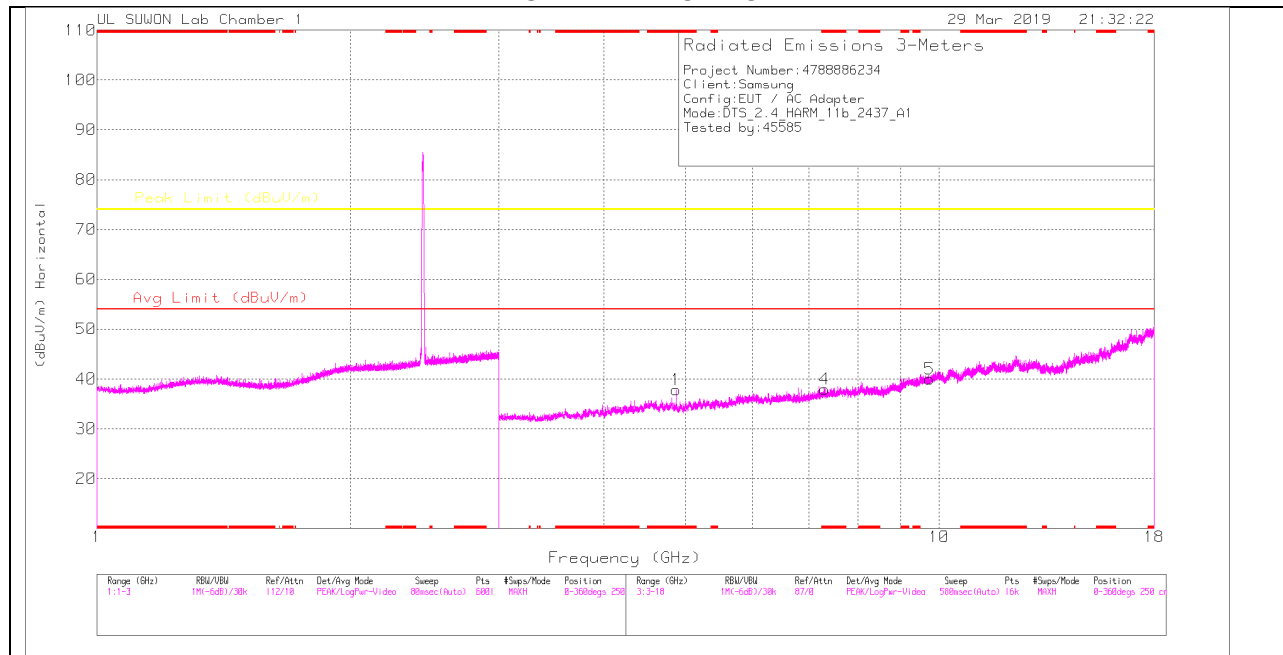
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168/17	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.823	32.85	PK	34.2	-31.4	0	35.65	-	-	74	-38.35	0-360	150	H
4	7.248	29	PK	35.8	-27.8	0	37	-	-	74	-37	0-360	250	H
5	9.652	26.69	PK	37.1	-23.3	0	40.49	-	-	74	-33.51	0-360	150	H
2	* 4.823	32.01	PK	34.2	-31.4	0	34.81	-	-	74	-39.19	0-360	150	V
3	7.248	29.19	PK	35.8	-27.8	0	37.19	-	-	74	-36.81	0-360	150	V
6	9.647	27.16	PK	37.1	-23.3	0	40.96	-	-	74	-33.04	0-360	150	V

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

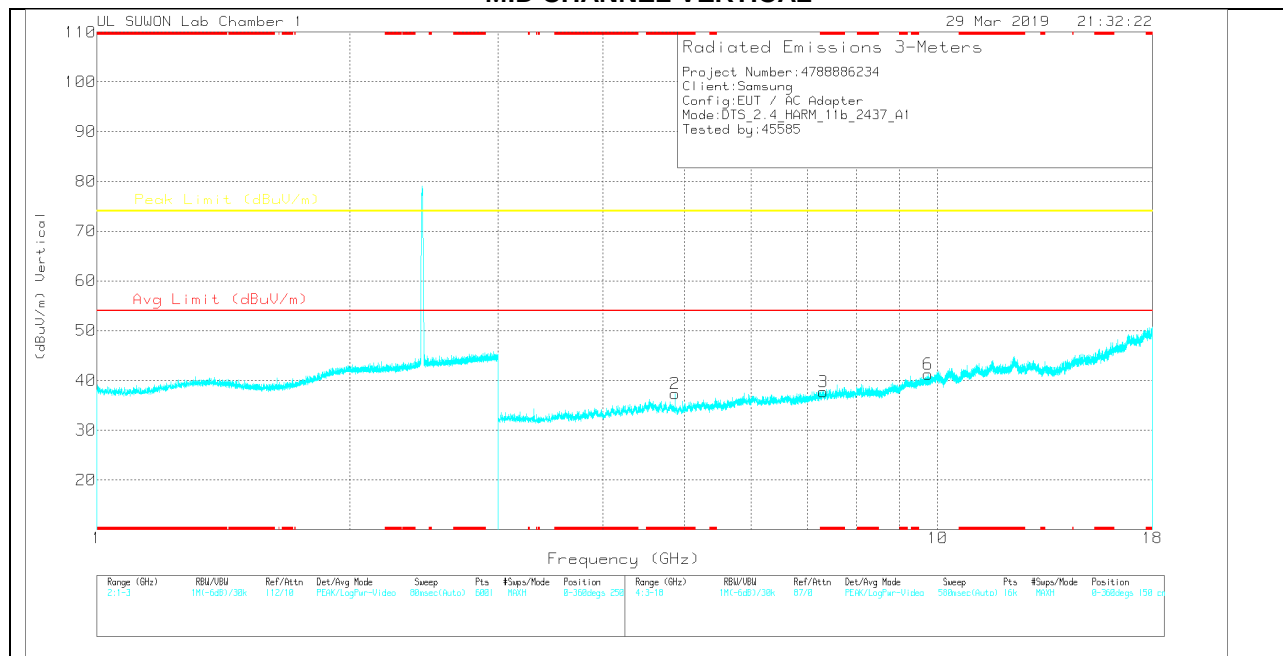
PK – Peak Detector

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168717	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	35.13	PK	34.2	-31.5	0	37.83	-	-	74	-36.17	0-360	150	H
4	* 7.31	29.66	PK	35.8	-27.5	0	37.96	-	-	74	-36.04	0-360	250	H
5	9.748	26.71	PK	37.2	-23.9	0	40.01	-	-	74	-33.99	0-360	150	H
2	* 4.874	34.68	PK	34.2	-31.5	0	37.38	-	-	74	-36.62	0-360	250	V
3	* 7.313	29.27	PK	35.8	-27.4	0	37.67	-	-	74	-36.33	0-360	150	V
6	9.748	27.96	PK	37.2	-23.9	0	41.26	-	-	74	-32.74	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

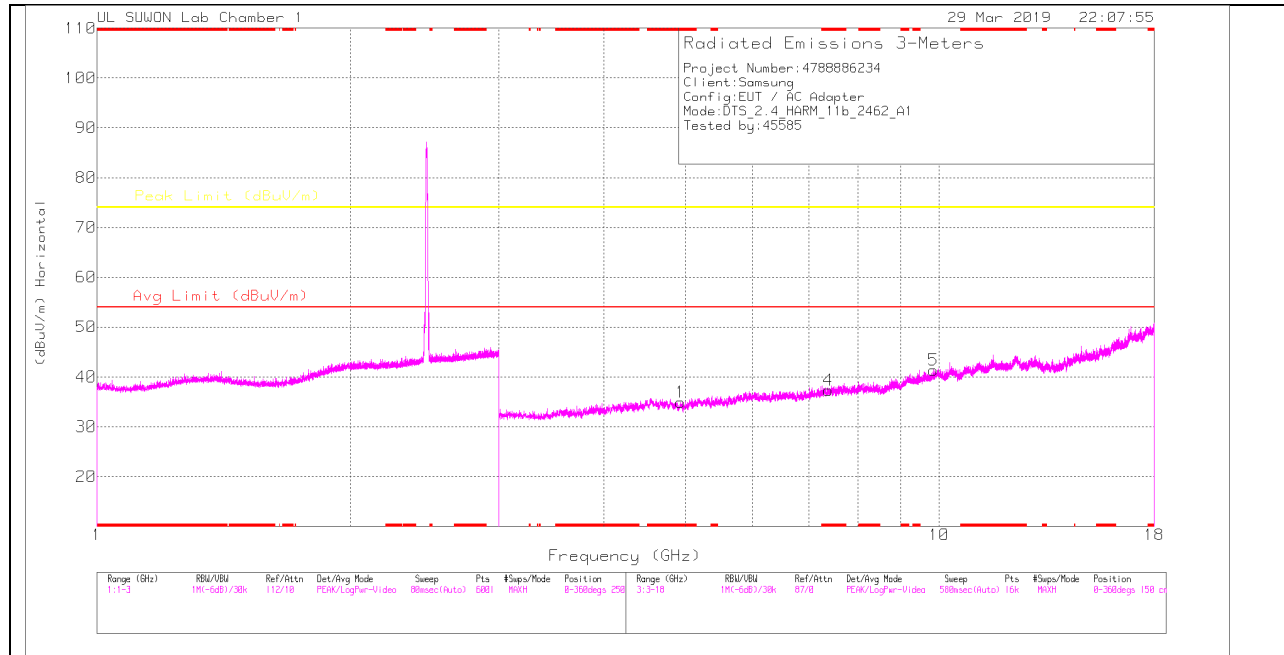
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.874	43.51	PK2	34.2	-31.5	0	46.21	-	-	74	-27.79	118	115	H
* 4.874	35.13	MAv1	34.2	-31.5	0	37.83	54	-16.17	-	-	118	115	H
* 4.874	42.68	PK2	34.2	-31.5	0	45.38	-	-	74	-28.62	345	363	V
* 4.874	34.4	MAv1	34.2	-31.5	0	37.1	54	-16.9	-	-	345	363	V

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

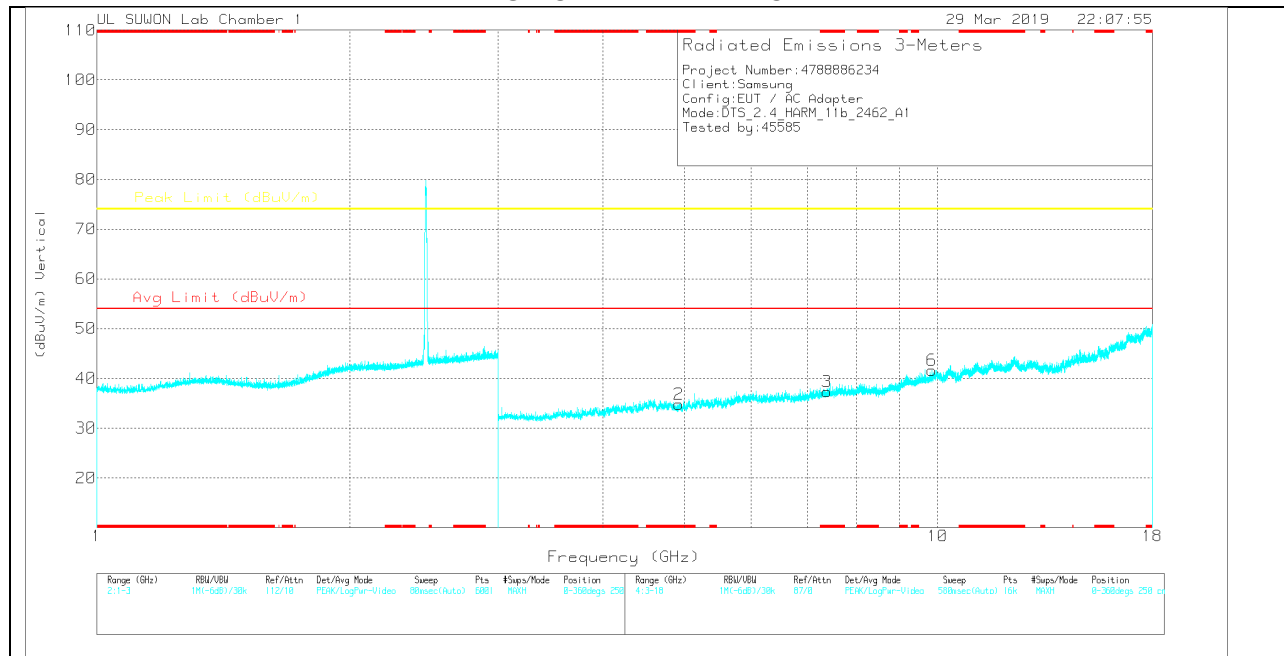
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168/17	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	* 4.928	32.2	PK	34.2	-31.5	0	34.9	-	-	74	-39.1	0-360	250	H
4	* 7.385	28.55	PK	35.8	-27	0	37.35	-	-	74	-36.65	0-360	250	H
5	9.844	27.31	PK	37.4	-23.3	0	41.41	-	-	74	-32.59	0-360	150	H
2	* 4.926	32.13	PK	34.2	-31.5	0	34.83	-	-	74	-39.17	0-360	150	V
3	* 7.387	28.57	PK	35.8	-27	0	37.37	-	-	74	-36.63	0-360	250	V
6	9.848	27.47	PK	37.4	-23.2	0	41.67	-	-	74	-32.33	0-360	150	V

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

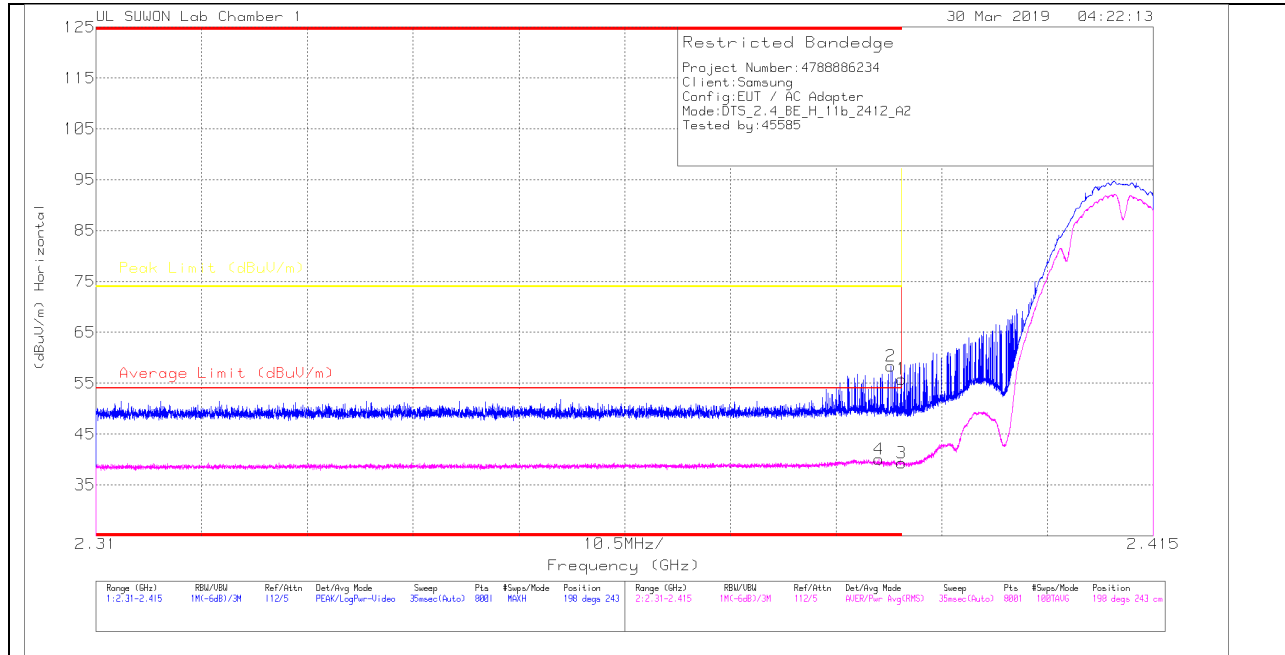
PK – Peak Detector

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

11.2.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND ANTENNA2

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

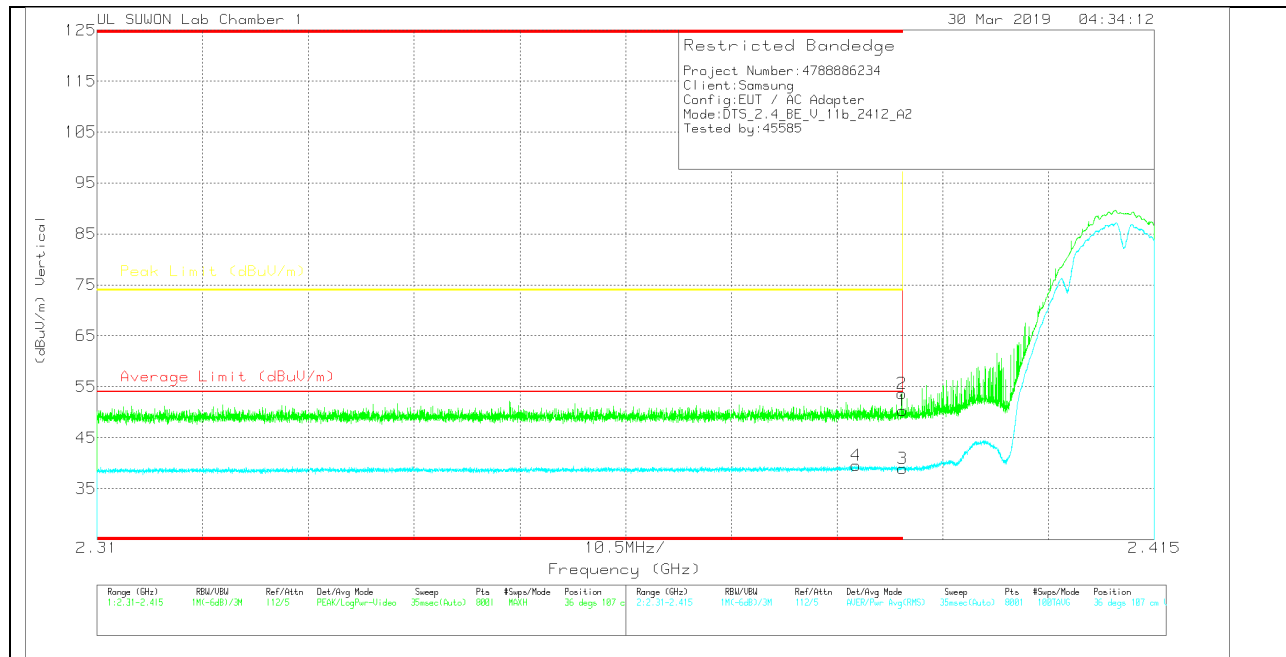
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.63	Pk	31.7	-25.5	0	55.83	-	-	74	-18.17	198	243	H
2	* 2.389	52.18	Pk	31.7	-25.5	0	58.38	-	-	74	-15.62	198	243	H
3	* 2.39	33.17	RMS	31.7	-25.5	0	39.37	54	-14.63	-	-	198	243	H
4	* 2.388	33.88	RMS	31.7	-25.5	0	40.08	54	-13.92	-	-	198	243	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	44.08	Pk	31.7	-25.5	0	50.28	-	-	74	-23.72	36	107	V
2	* 2.39	47.43	Pk	31.7	-25.5	0	53.63	-	-	74	-20.37	36	107	V
3	* 2.39	32.8	RMS	31.7	-25.5	0	39	54	-15	-	-	36	107	V
4	* 2.385	33.36	RMS	31.7	-25.5	0	39.56	54	-14.44	-	-	36	107	V

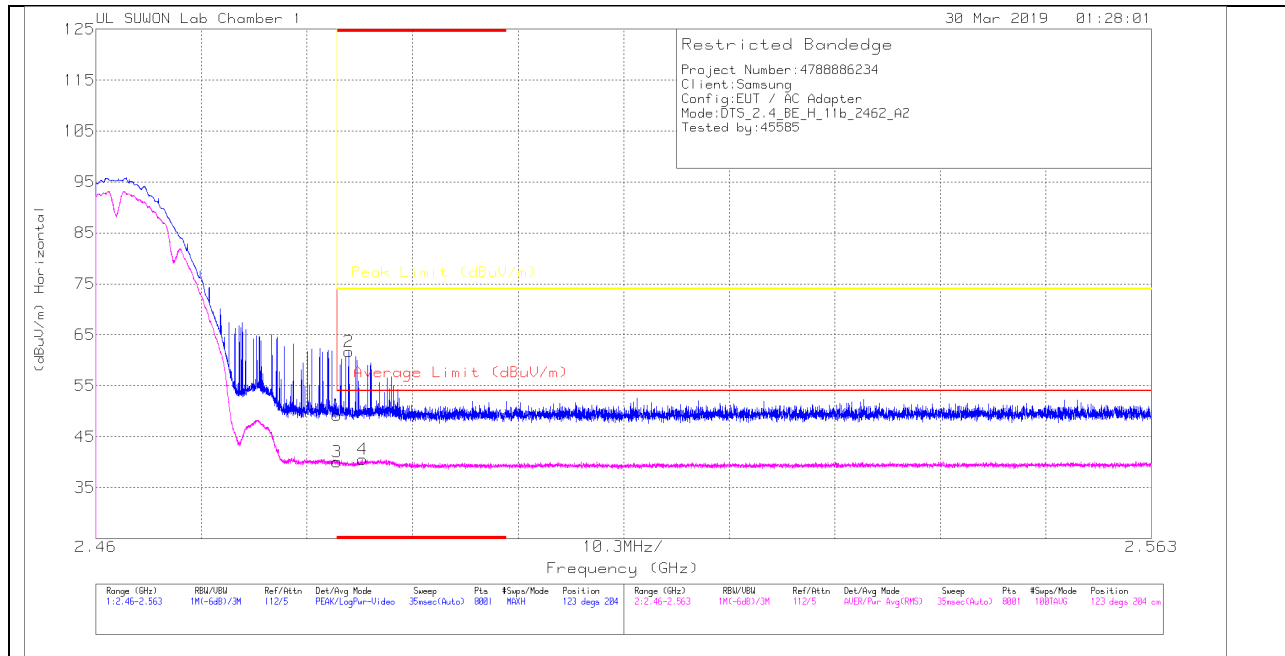
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

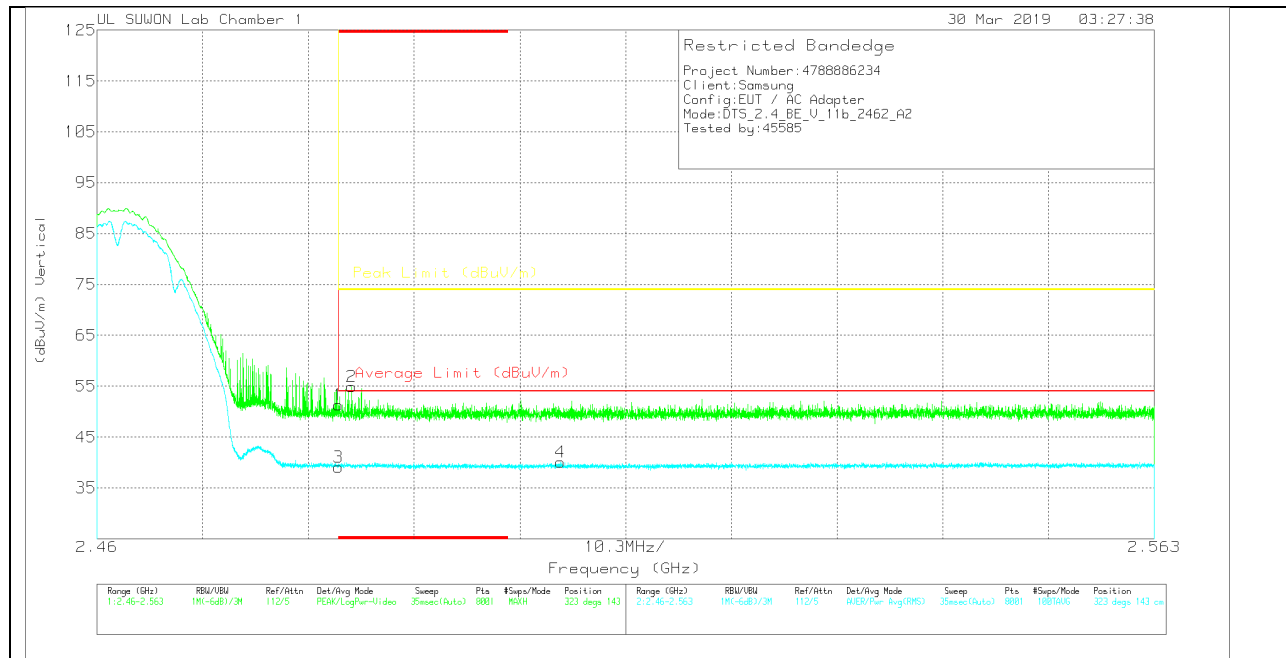
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.62	Pk	31.9	-25.3	0	49.22	-	-	74	-24.78	123	204	H
2	* 2.485	55.07	Pk	31.9	-25.3	0	61.67	-	-	74	-12.33	123	204	H
3	* 2.484	33.47	RMS	31.9	-25.3	0	40.07	54	-13.93	-	-	123	204	H
4	* 2.486	33.81	RMS	31.9	-25.2	0	40.51	54	-13.49	-	-	123	204	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	44.76	Pk	31.9	-25.3	0	51.36	-	-	74	-22.64	323	143	V
2	* 2.485	48.26	Pk	31.9	-25.3	0	54.86	-	-	74	-19.14	323	143	V
3	* 2.484	32.47	RMS	31.9	-25.3	0	39.07	54	-14.93	-	-	323	143	V
4	2.505	33.25	RMS	32	-25.2	0	40.05	54	-13.95	-	-	323	143	V

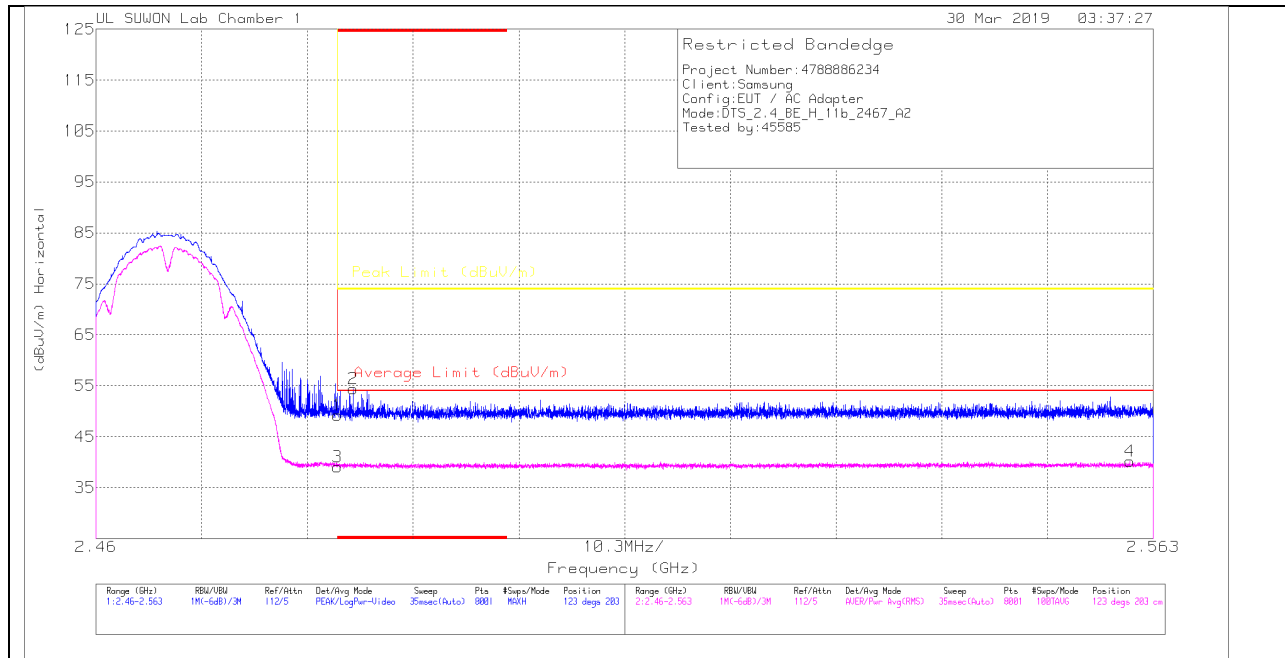
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

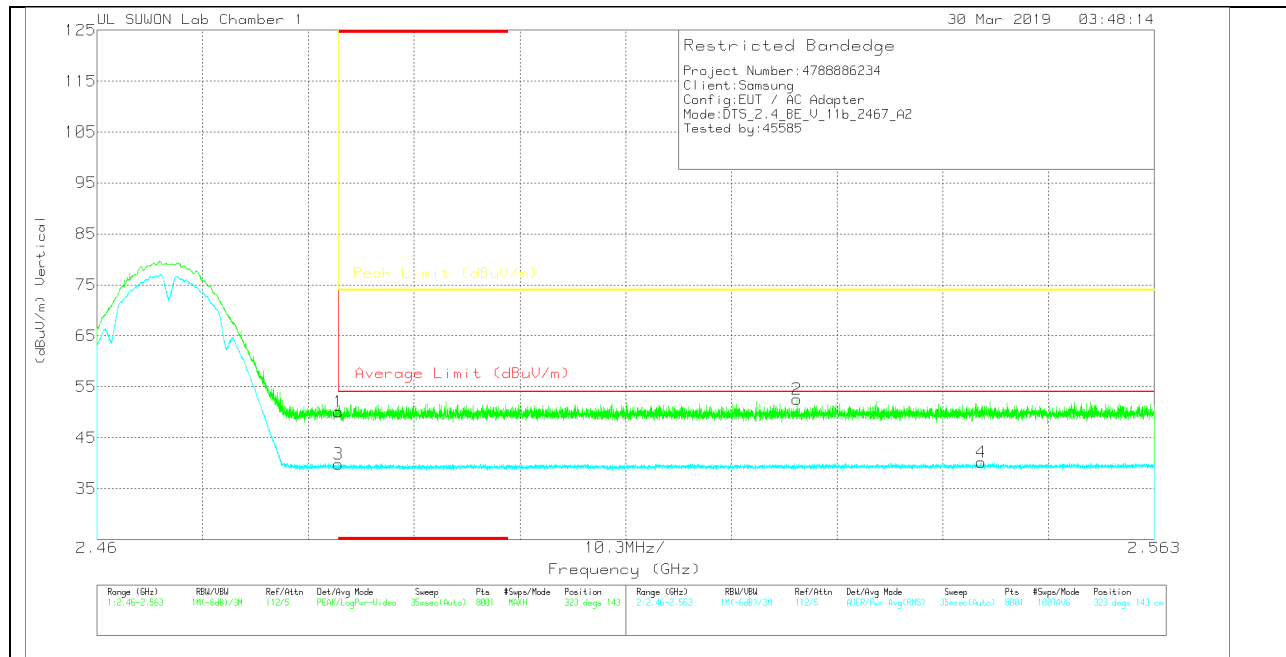
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.61	Pk	31.9	-25.3	0	49.21	-	-	74	-24.79	123	203	H
2	* 2.485	47.86	Pk	31.9	-25.3	0	54.46	-	-	74	-19.54	123	203	H
3	* 2.484	32.45	RMS	31.9	-25.3	0	39.05	54	-14.95	-	-	123	203	H
4	2.561	33.35	RMS	32	-25.2	0	40.15	54	-13.85	-	-	123	203	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.47	Pk	31.9	-25.3	0	50.07	-	-	74	-23.93	323	143	V
2	2.528	45.8	Pk	32	-25.2	0	52.6	-	-	74	-21.4	323	143	V
3	* 2.484	33.16	RMS	31.9	-25.3	0	39.76	54	-14.24	-	-	323	143	V
4	2.546	33.25	RMS	32	-25.1	0	40.15	54	-13.85	-	-	323	143	V

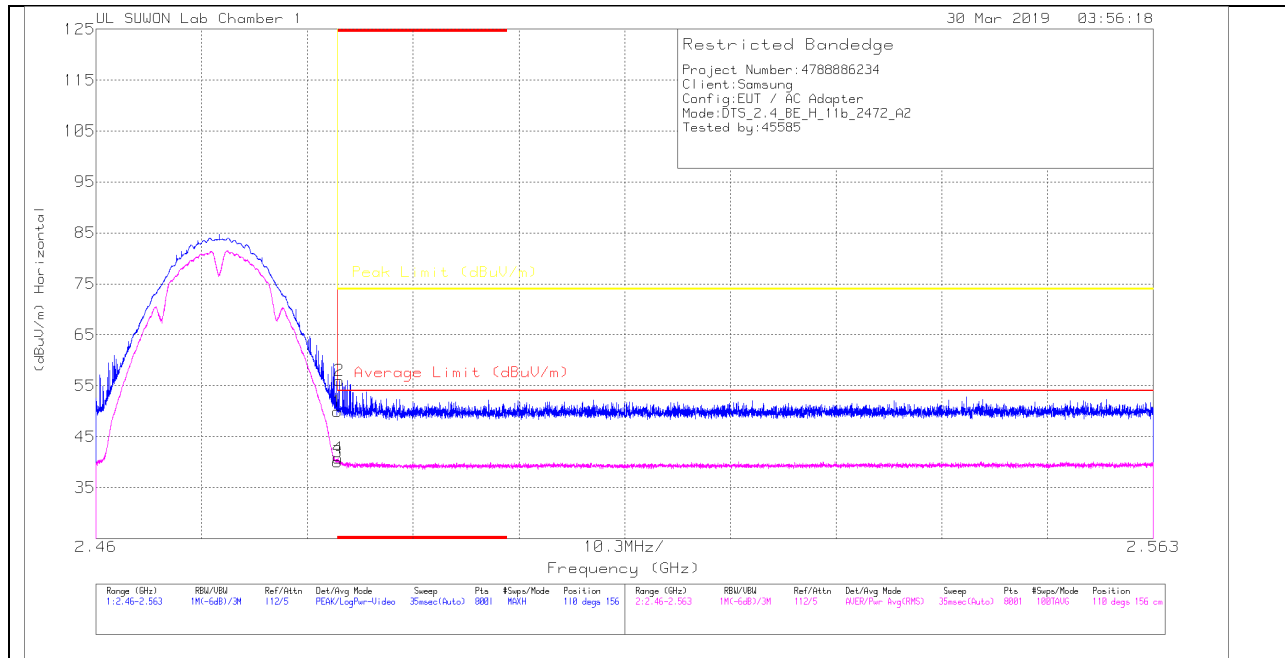
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

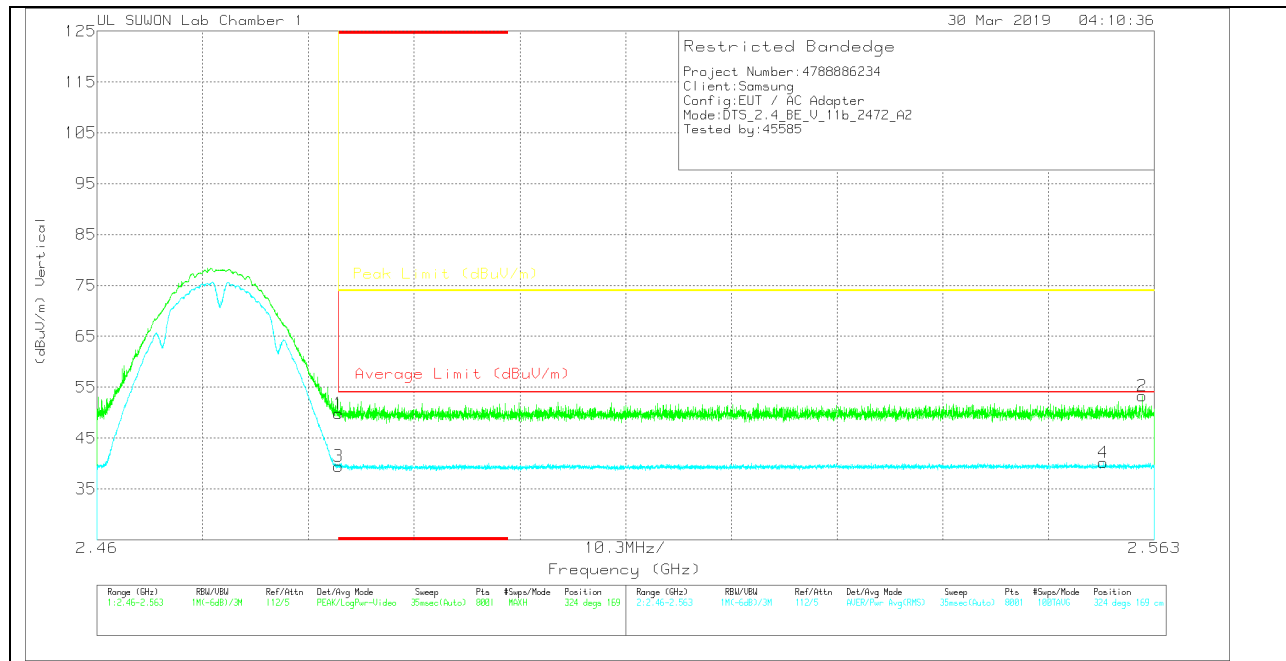
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.36	Pk	31.9	-25.3	0	49.96	-	-	74	-24.04	110	156	H
2	* 2.484	49.42	Pk	31.9	-25.3	0	56.02	-	-	74	-17.98	110	156	H
3	* 2.484	33.41	RMS	31.9	-25.3	0	40.01	54	-13.99	-	-	110	156	H
4	* 2.484	34.24	RMS	31.9	-25.3	0	40.84	54	-13.16	-	-	110	156	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.28	PK	31.9	-25.3	0	49.88	-	-	74	-24.12	324	169	V
2	2.562	46.43	PK	32	-25.1	0	53.33	-	-	74	-20.67	324	169	V
3	* 2.484	32.9	RMS	31.9	-25.3	0	39.5	54	-14.5	-	-	324	169	V
4	2.558	33.28	RMS	32	-25.1	0	40.18	54	-13.82	-	-	324	169	V

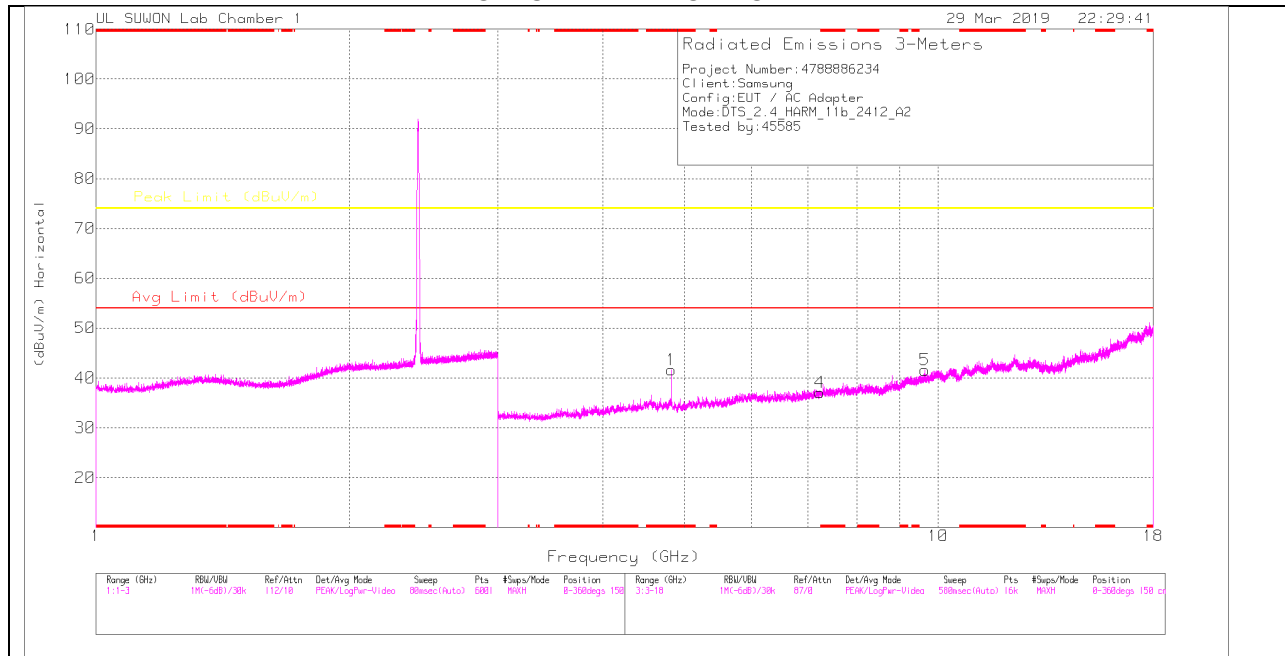
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

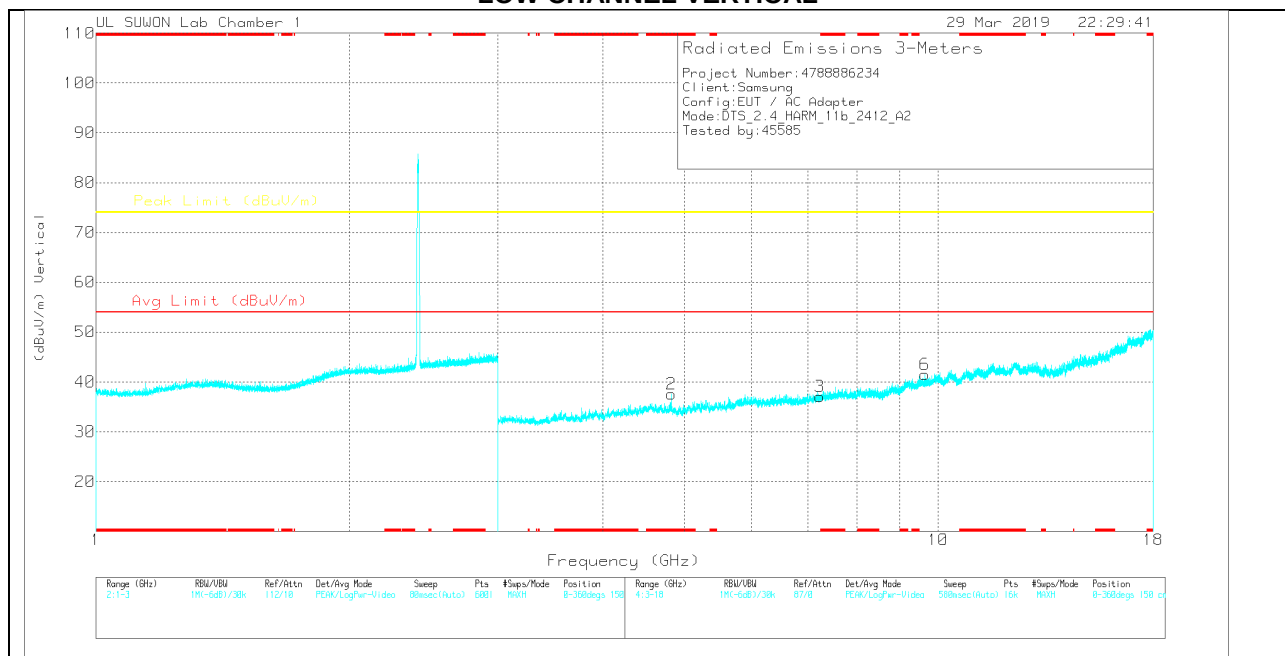
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168717	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	* 4.823	38.82	PK	34.2	-31.4	0	41.62	-	-	74	-32.38	0-360	150	H
4	7.235	29.06	PK	35.8	-27.8	0	37.06	-	-	74	-36.94	0-360	150	H
5	9.648	27.77	PK	37.1	-23.3	0	41.57	-	-	74	-32.43	0-360	150	H
2	* 4.823	34.78	PK	34.2	-31.4	0	37.58	-	-	74	-36.42	0-360	250	V
3	7.237	29.18	PK	35.8	-27.9	0	37.08	-	-	74	-36.92	0-360	250	V
6	9.648	27.75	PK	37.1	-23.3	0	41.55	-	-	74	-32.45	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

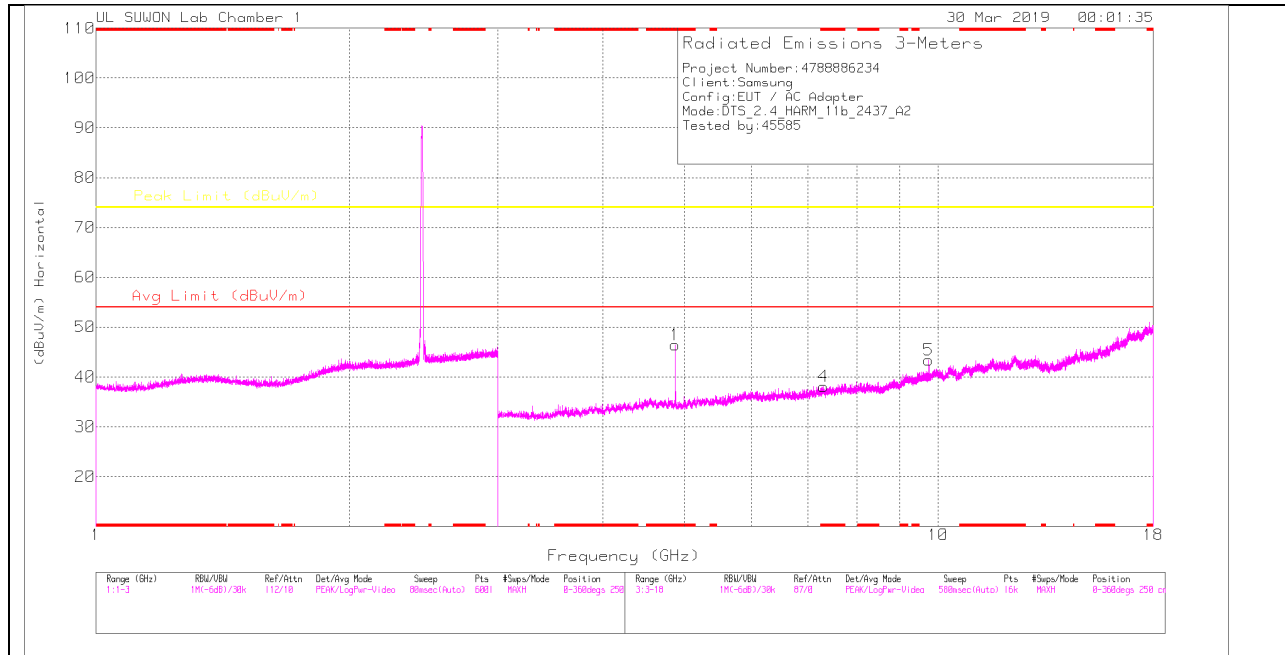
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.824	46.01	PK2	34.2	-31.4	0	48.81	-	-	74	-25.19	168	100	H
* 4.824	40.5	MAv1	34.2	-31.4	0	43.3	54	-10.7	-	-	168	100	H
* 4.824	43.18	PK2	34.2	-31.4	0	45.98	-	-	74	-28.02	157	140	V
* 4.824	34.77	MAv1	34.2	-31.4	0	37.57	54	-16.43	-	-	157	140	V

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

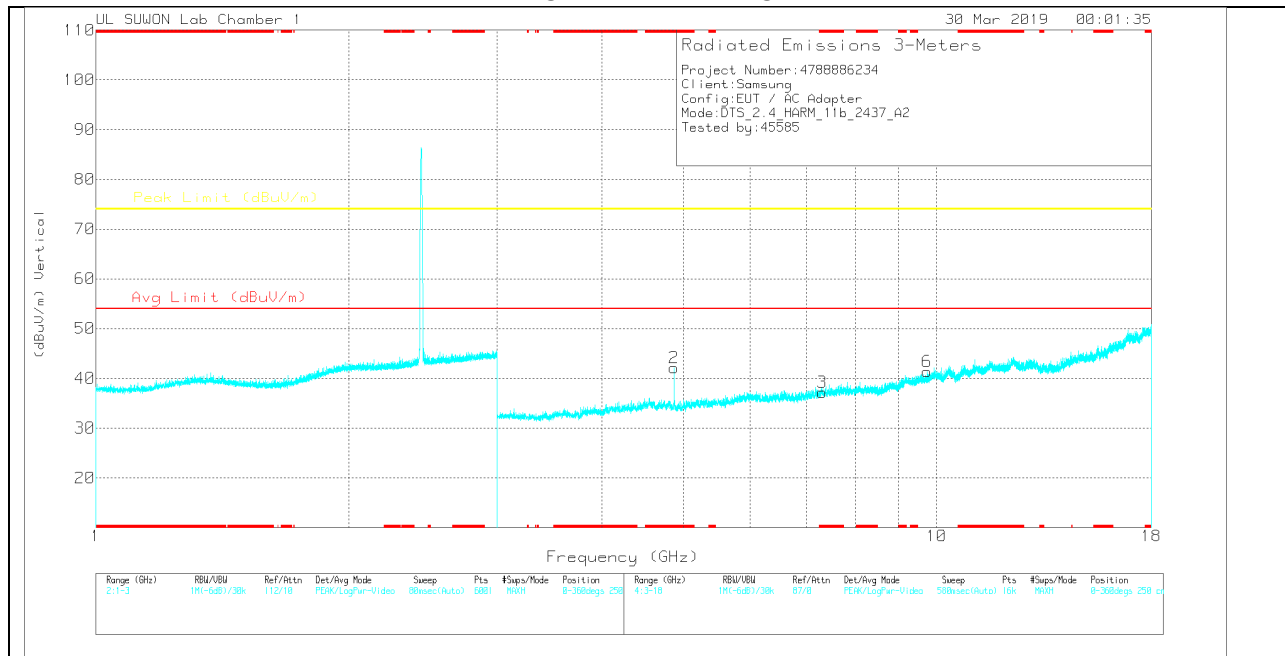
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 4.874	43.71	PK	34.2	-31.5	0	46.41	-	-	74	-27.59	0-360	250	H
4	* 7.31	29.77	PK	35.8	-27.5	0	38.07	-	-	74	-35.93	0-360	250	H
5	9.748	30.1	PK	37.2	-23.9	0	43.4	-	-	74	-30.6	0-360	150	H
2	* 4.874	39.39	PK	34.2	-31.5	0	42.09	-	-	74	-31.91	0-360	150	V
3	* 7.31	28.96	PK	35.8	-27.5	0	37.26	-	-	74	-36.74	0-360	150	V
6	9.748	28.02	PK	37.2	-23.9	0	41.32	-	-	74	-32.68	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

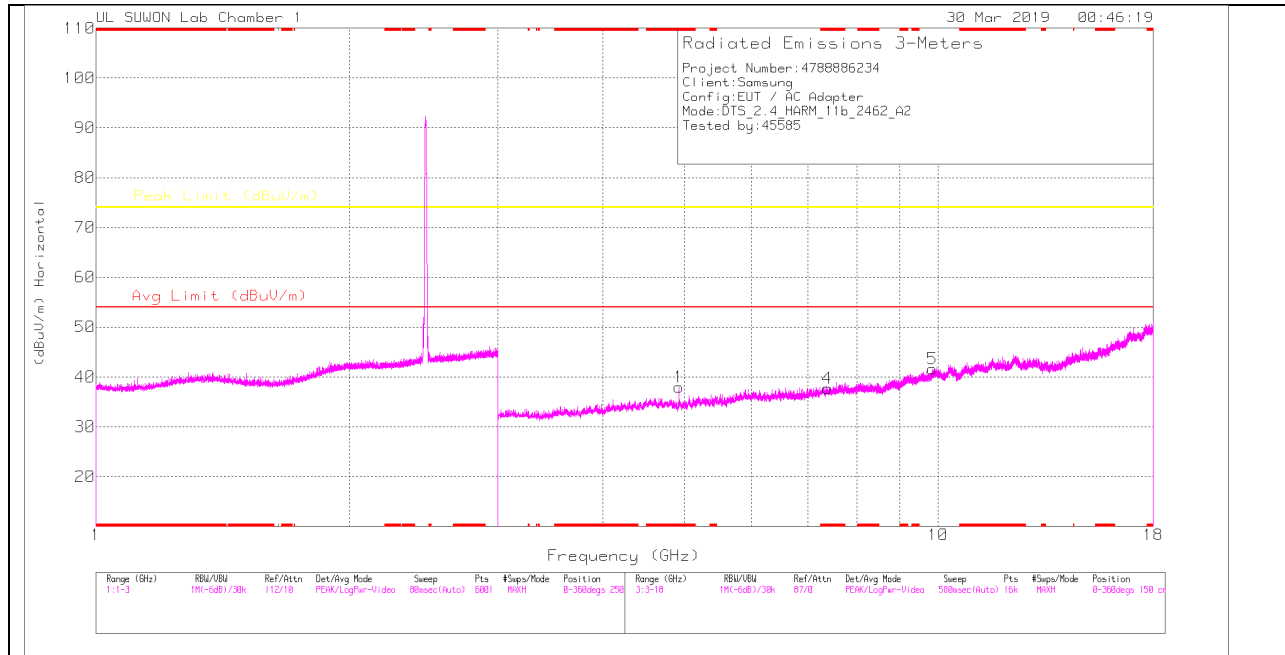
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 4.874	48.6	PK2	34.2	-31.5	0	51.3	-	-	74	-22.7	189	102	H
* 4.874	44.54	MAv1	34.2	-31.5	0	47.24	54	-6.76	-	-	189	102	H
* 4.874	44.88	PK2	34.2	-31.5	0	47.58	-	-	74	-26.42	140	100	V
* 4.874	38.24	MAv1	34.2	-31.5	0	40.94	54	-13.06	-	-	140	100	V
9.748	36.75	PK2	37.2	-23.9	0	50.05	-	-	74	-23.95	161	100	V
9.748	37.27	PK2	37.2	-23.9	0	50.57	-	-	74	-23.43	159	199	H

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

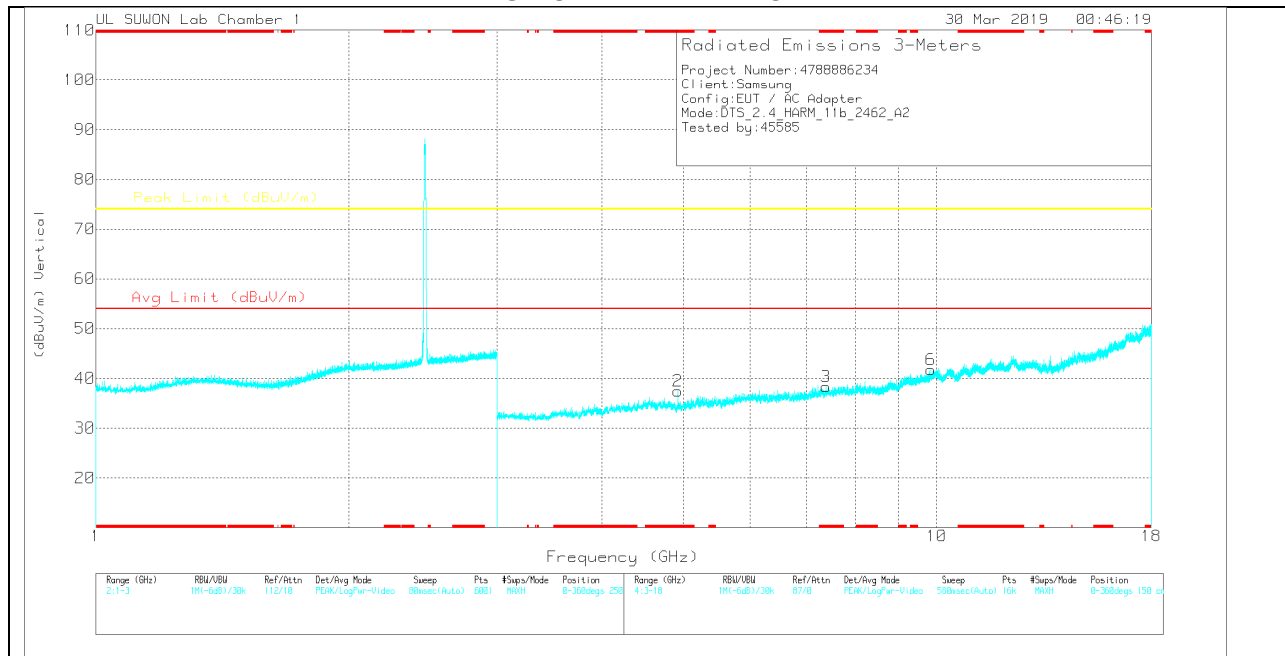
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168717	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	35.38	PK	34.2	-31.6	0	37.98	-	-	74	-36.02	0-360	150	H
4	* 7.387	28.96	PK	35.8	-27	0	37.76	-	-	74	-36.24	0-360	250	H
5	9.848	27.47	PK	37.4	-23.2	0	41.67	-	-	74	-32.33	0-360	150	H
2	* 4.924	34.83	PK	34.2	-31.6	0	37.43	-	-	74	-36.57	0-360	150	V
3	* 7.39	29.5	PK	35.8	-27	0	38.3	-	-	74	-35.7	0-360	150	V
6	9.848	27.5	PK	37.4	-23.2	0	41.7	-	-	74	-32.3	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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
* 4.924	43.54	PK2	34.2	-31.6	0	46.14	-	-	74	-27.86	84	147	V
* 4.924	34.67	MAv1	34.2	-31.6	0	37.27	54	-16.73	-	-	84	147	V
* 4.924	43.79	PK2	34.2	-31.6	0	46.39	-	-	74	-27.61	56	134	H
* 4.924	35.37	MAv1	34.2	-31.6	0	37.97	54	-16.03	-	-	56	134	H

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

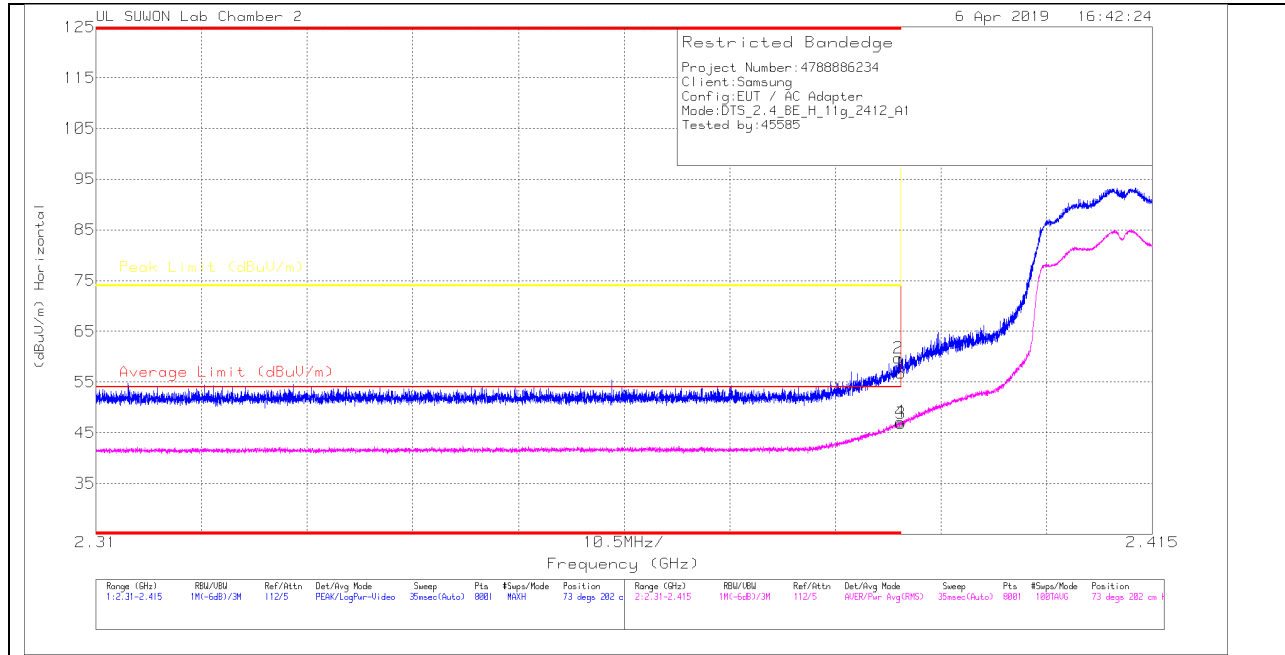
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

11.2.3. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND ANTENNA1

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

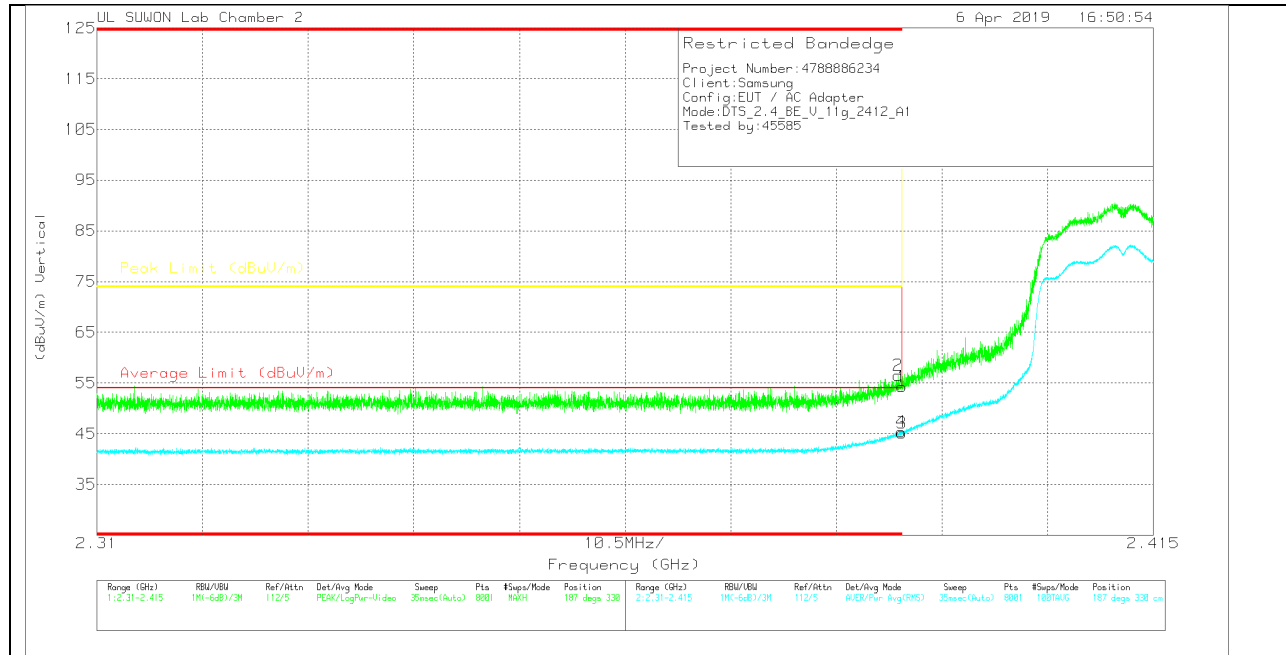
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	45.99	Pk	31.6	-20.8	0	56.79	-	-	74	-17.21	73	202	H
2	* 2.39	48.9	Pk	31.6	-20.8	0	59.7	-	-	74	-14.3	73	202	H
3	* 2.39	36.04	RMS	31.6	-20.8	0	46.84	54	-7.16	-	-	73	202	H
4	* 2.39	36.37	RMS	31.6	-20.8	0	47.17	54	-6.83	-	-	73	202	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	43.48	Pk	31.6	-20.8	0	54.28	-	-	74	-19.72	187	330	V
2	* 2.39	45.73	Pk	31.6	-20.8	0	56.53	-	-	74	-17.47	187	330	V
3	* 2.39	34.32	RMS	31.6	-20.8	0	45.12	54	-8.88	-	-	187	330	V
4	* 2.39	34.56	RMS	31.6	-20.8	0	45.36	54	-8.64	-	-	187	330	V

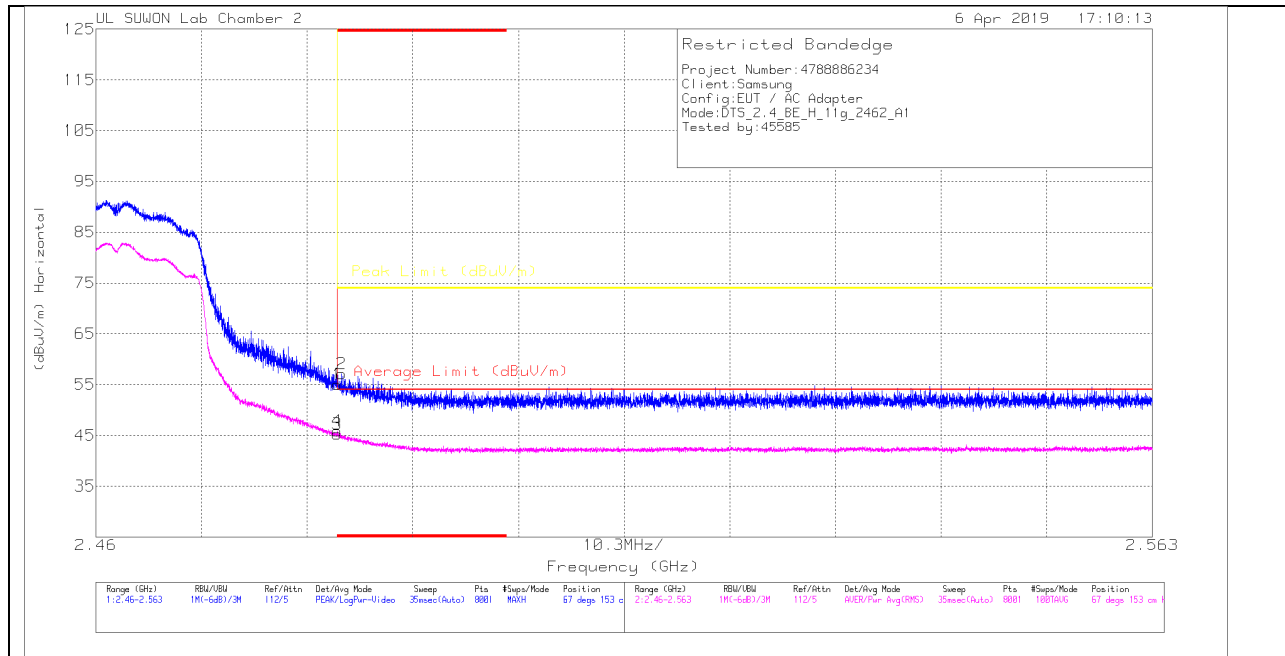
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

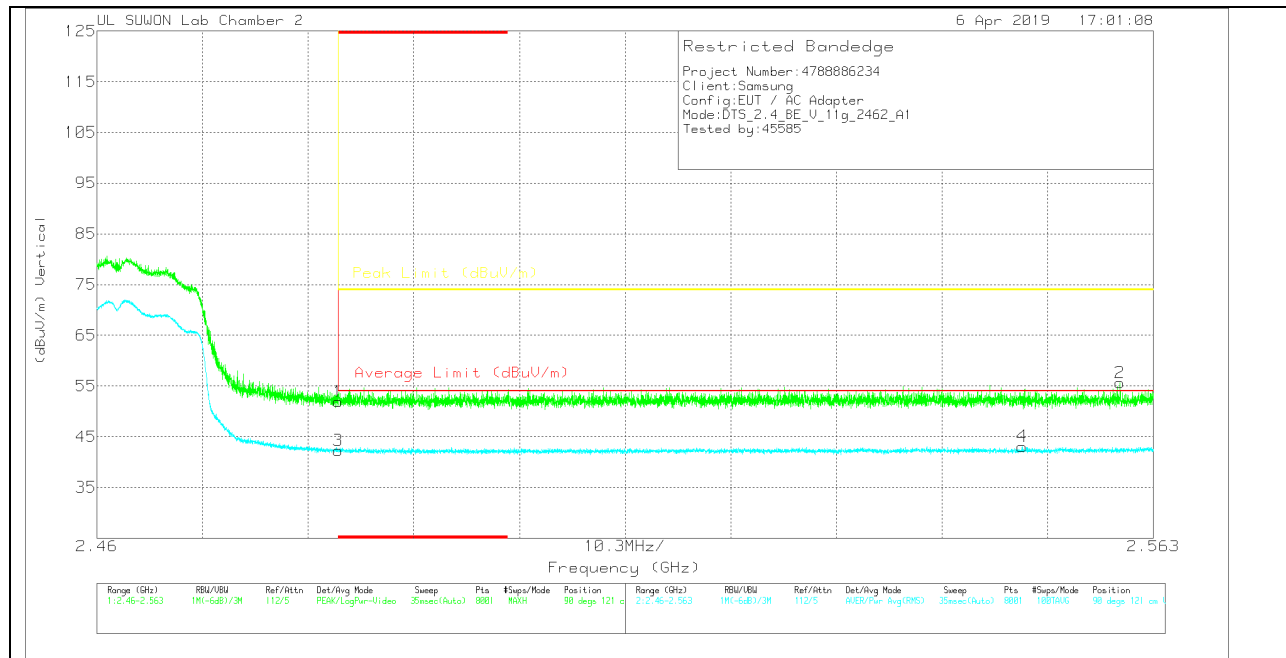
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.72	Pk	31.9	-20.6	0	55.02	-	-	74	-18.98	67	153	H
2	* 2.484	45.83	Pk	31.9	-20.6	0	57.13	-	-	74	-16.87	67	153	H
3	* 2.484	33.98	RMS	31.9	-20.6	0	45.28	54	-8.72	-	-	67	153	H
4	* 2.484	34.56	RMS	31.9	-20.6	0	45.86	54	-8.14	-	-	67	153	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.64	Pk	31.9	-20.6	0	51.94	-	-	74	-22.06	90	121	V
2	2.56	44.17	Pk	32	-20.5	0	55.67	-	-	74	-18.33	90	121	V
3	* 2.484	31.04	RMS	31.9	-20.6	0	42.34	54	-11.66	-	-	90	121	V
4	2.55	31.69	RMS	32	-20.6	0	43.09	54	-10.91	-	-	90	121	V

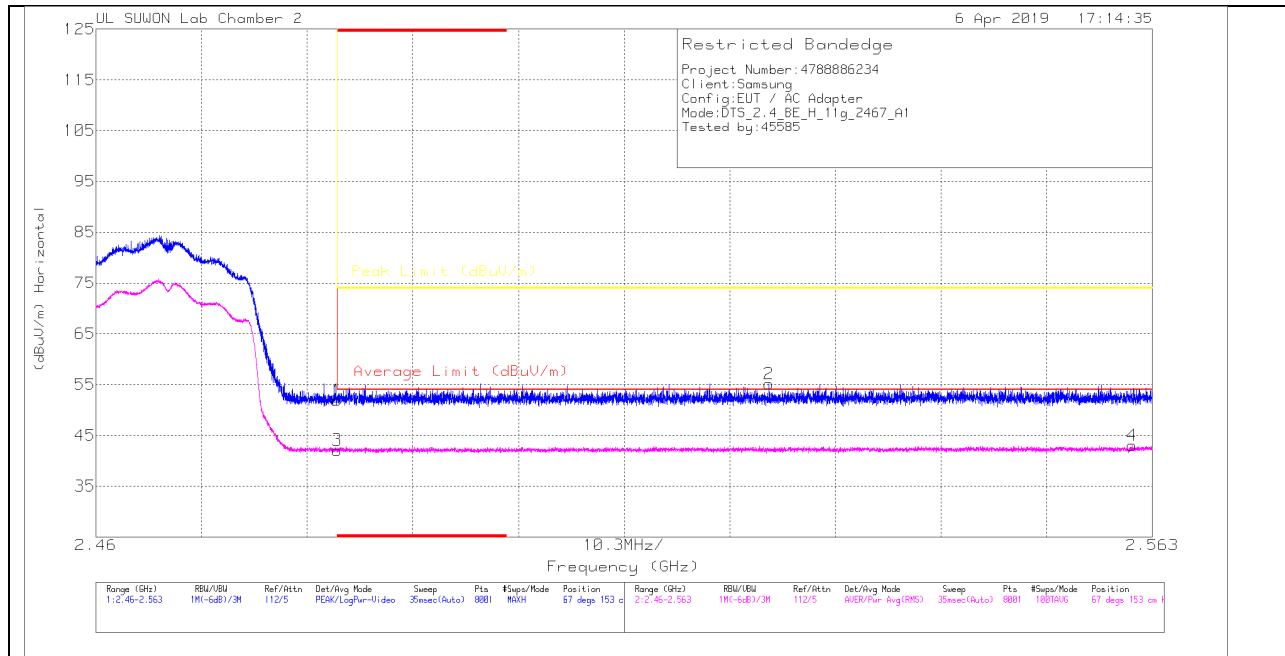
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

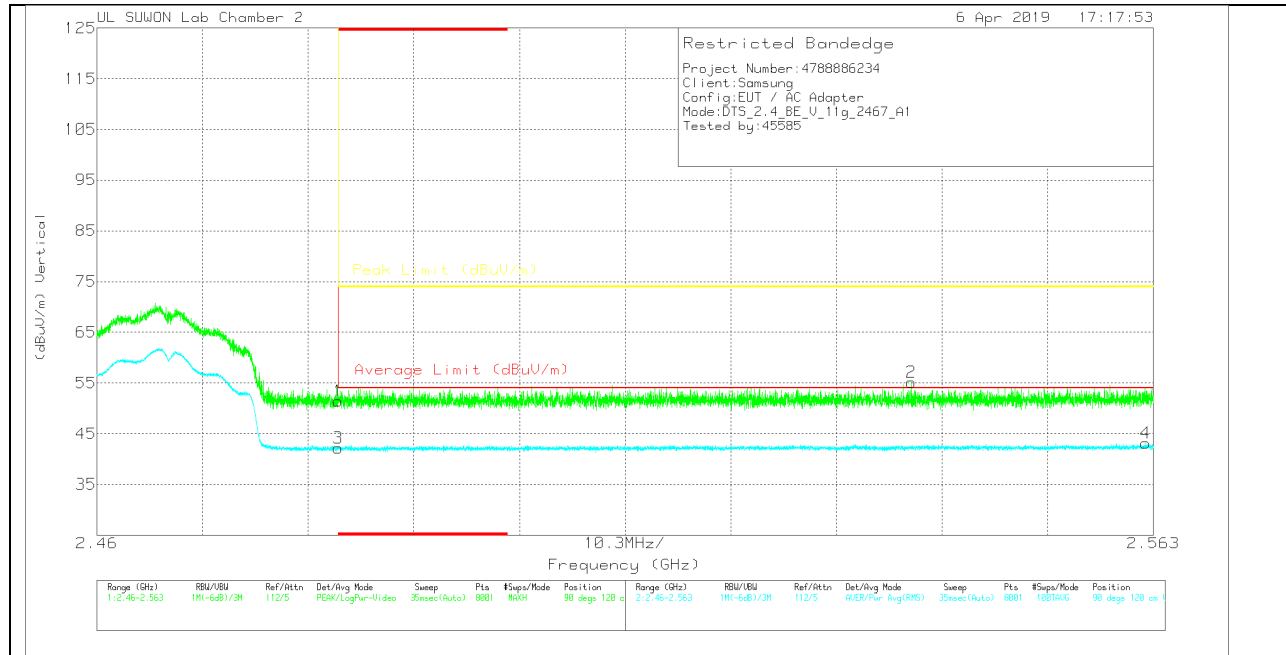
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.63	Pk	31.9	-20.6	0	51.93	-	-	74	-22.07	67	153	H
2	2.526	43.85	Pk	31.9	-20.6	0	55.15	-	-	74	-18.85	67	153	H
3	* 2.484	30.8	RMS	31.9	-20.6	0	42.1	54	-11.9	-	-	67	153	H
4	2.561	31.58	RMS	32	-20.5	0	43.08	54	-10.92	-	-	67	153	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_D0168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.18	Pk	31.9	-20.6	0	51.48	-	-	74	-22.52	90	120	V
2	2.539	43.7	Pk	32	-20.5	0	55.2	-	-	74	-18.8	90	120	V
3	* 2.484	30.81	RMS	31.9	-20.6	0	42.11	54	-11.89	-	-	90	120	V
4	2.562	31.4	RMS	32	-20.3	0	43.1	54	-10.9	-	-	90	120	V

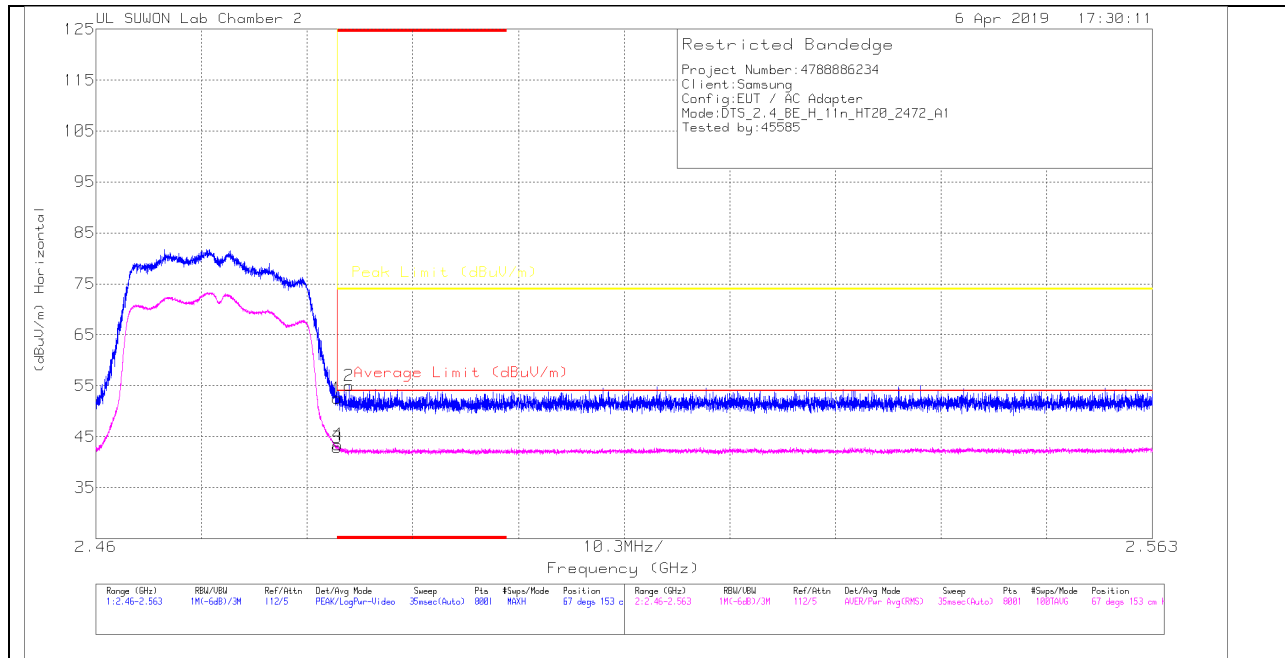
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

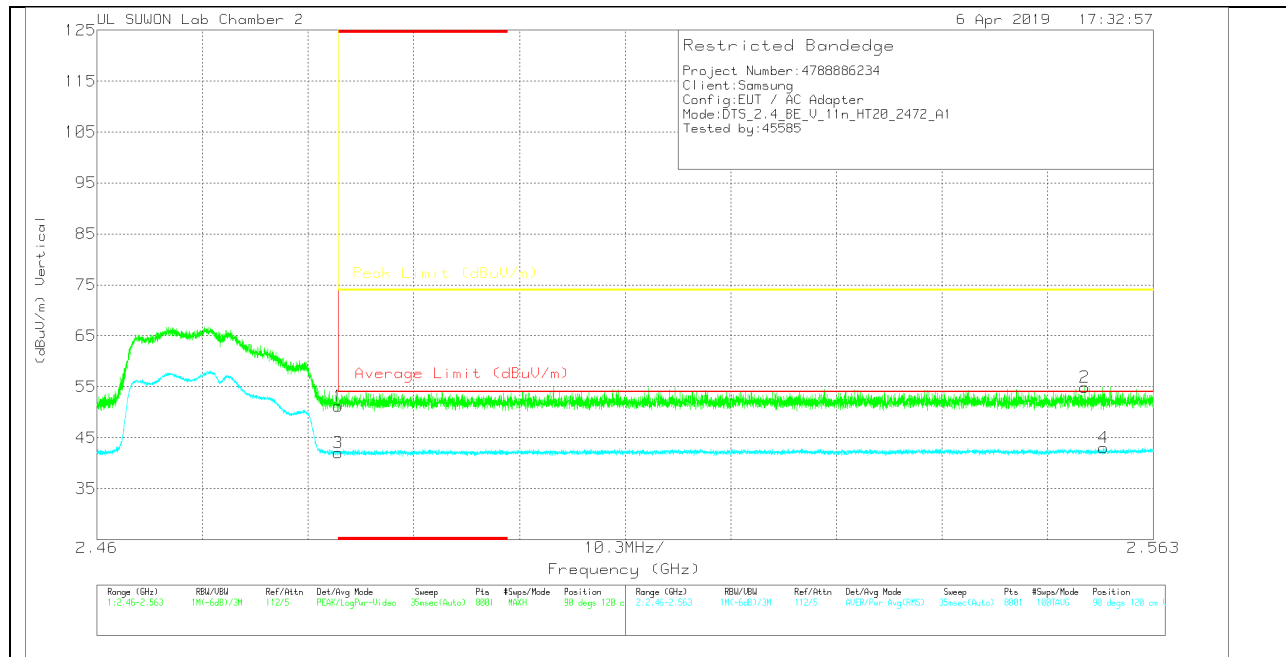
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.26	Pk	31.9	-20.6	0	52.56	-	-	74	-21.44	67	153	H
2	* 2.485	43.78	Pk	31.9	-20.6	0	55.08	-	-	74	-18.92	67	153	H
3	* 2.484	31.58	RMS	31.9	-20.6	0	42.88	54	-11.12	-	-	67	153	H
4	* 2.484	32.16	RMS	31.9	-20.6	0	43.46	54	-10.54	-	-	67	153	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.9	Pk	31.9	-20.6	0	51.2	-	-	74	-22.8	90	120	V
2	2.556	43.55	Pk	32	-20.6	0	54.95	-	-	74	-19.05	90	120	V
3	* 2.484	30.7	RMS	31.9	-20.6	0	42	54	-12	-	-	90	120	V
4	2.558	31.52	RMS	32	-20.5	0	43.02	54	-10.98	-	-	90	120	V

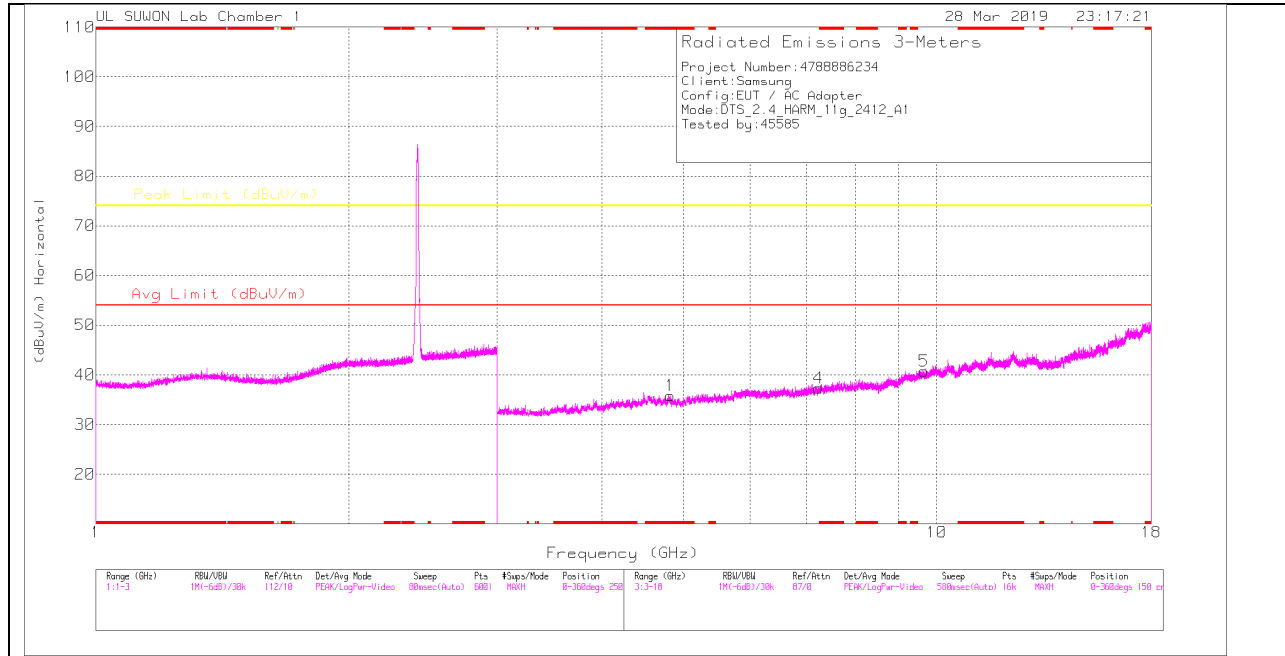
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

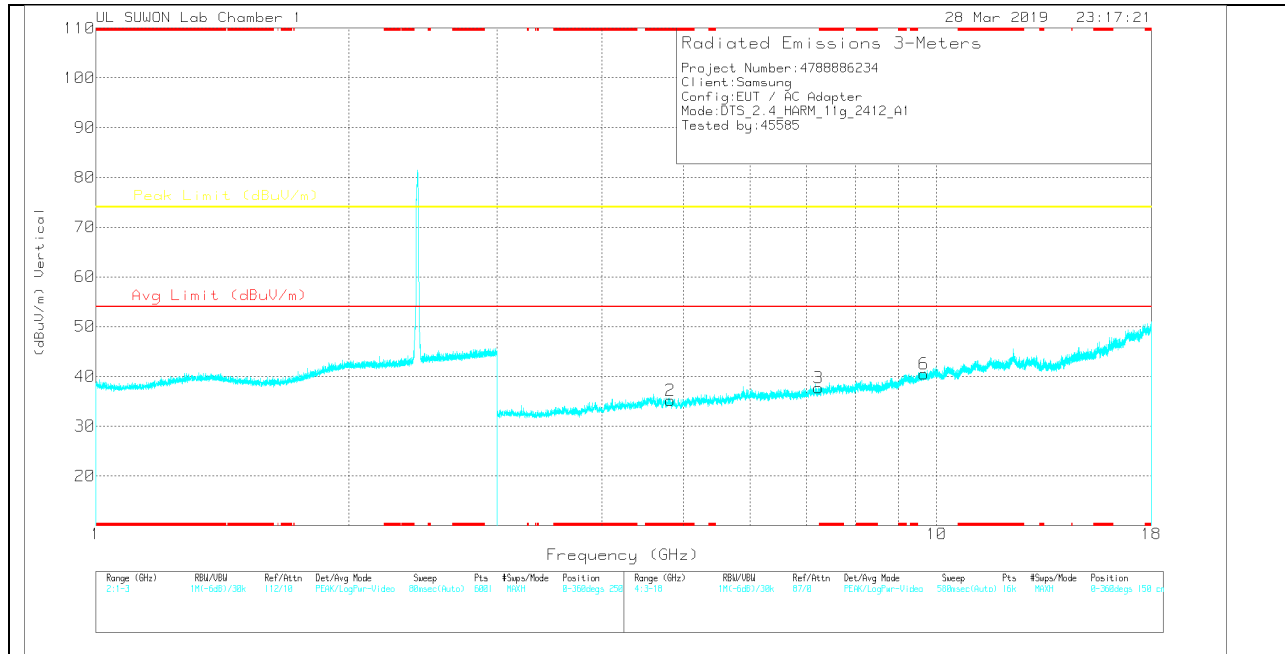
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

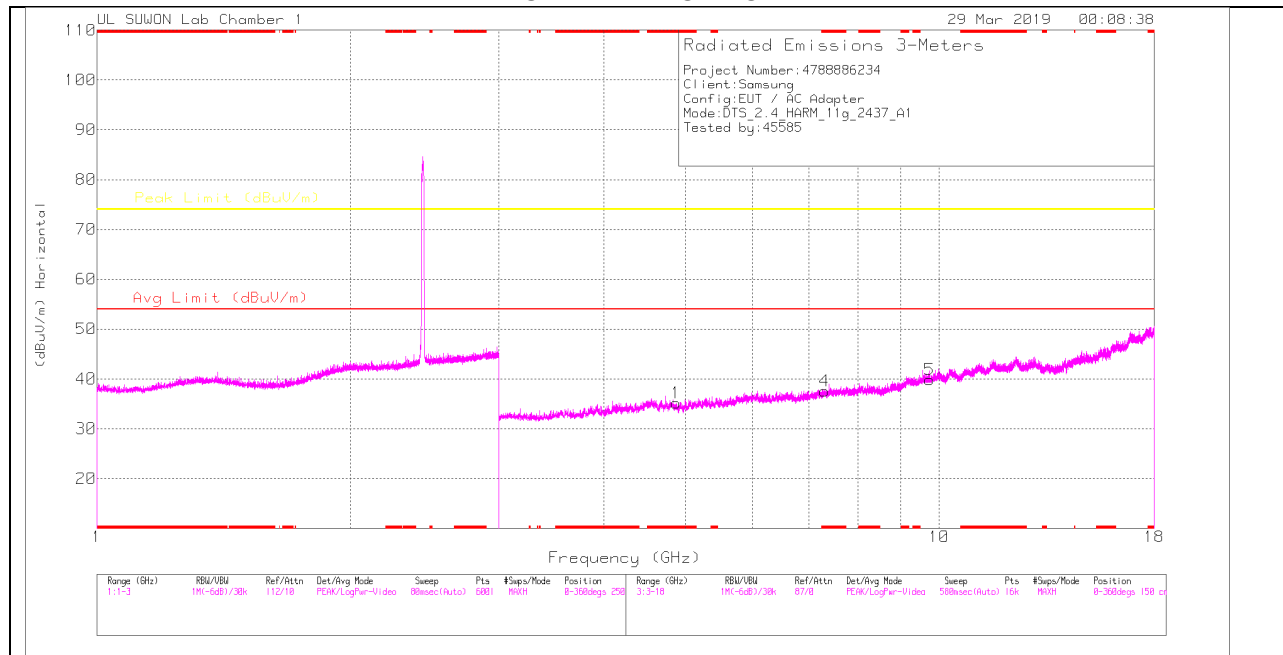
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168/17	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.818	32.88	PK	34.2	-31.3	0	35.78	-	-	74	-38.22	0-360	150	H
4	7.239	29.43	PK	35.8	-27.9	0	37.33	-	-	74	-36.67	0-360	250	H
5	9.658	26.99	PK	37.1	-23.4	0	40.69	-	-	74	-33.31	0-360	150	H
2	* 4.821	32.38	PK	34.2	-31.4	0	35.18	-	-	74	-38.82	0-360	250	V
3	7.232	29.75	PK	35.8	-27.8	0	37.75	-	-	74	-36.25	0-360	250	V
6	9.652	26.69	PK	37.1	-23.3	0	40.49	-	-	74	-33.51	0-360	150	V

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

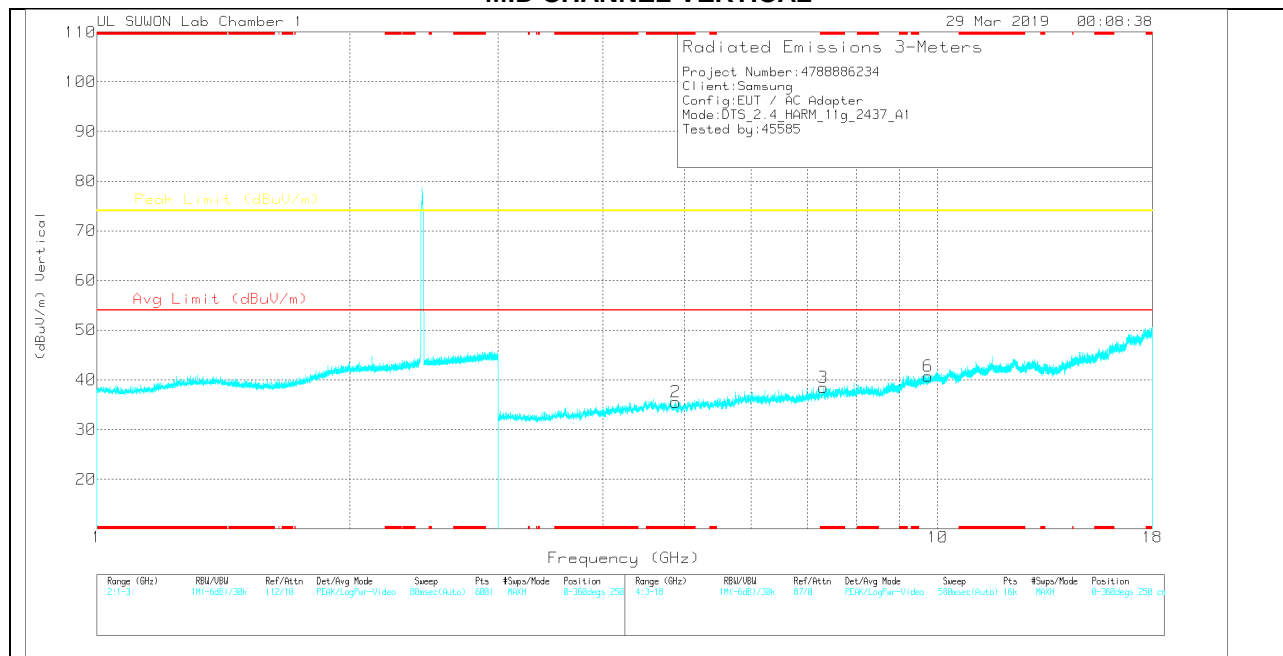
PK – Peak Detector

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

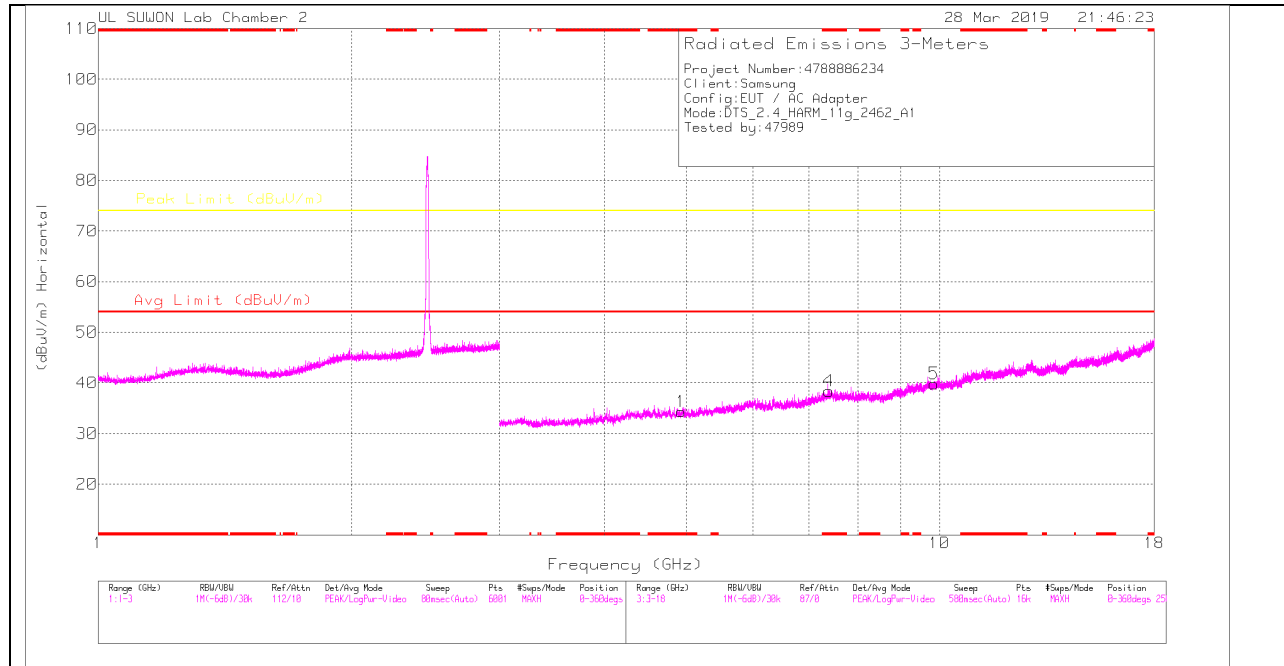
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.868	32.45	PK	34.2	-31.5	0	35.15	-	-	74	-38.85	0-360	150	H
4	* 7.313	29.17	PK	35.8	-27.4	0	37.57	-	-	74	-36.43	0-360	250	H
5	9.748	26.57	PK	37.2	-23.9	0	39.87	-	-	74	-34.13	0-360	250	H
2	* 4.878	32.8	PK	34.2	-31.5	0	35.5	-	-	74	-38.5	0-360	150	V
3	* 7.31	30.11	PK	35.8	-27.5	0	38.41	-	-	74	-35.59	0-360	250	V
6	9.748	27.4	PK	37.2	-23.9	0	40.7	-	-	74	-33.3	0-360	150	V

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

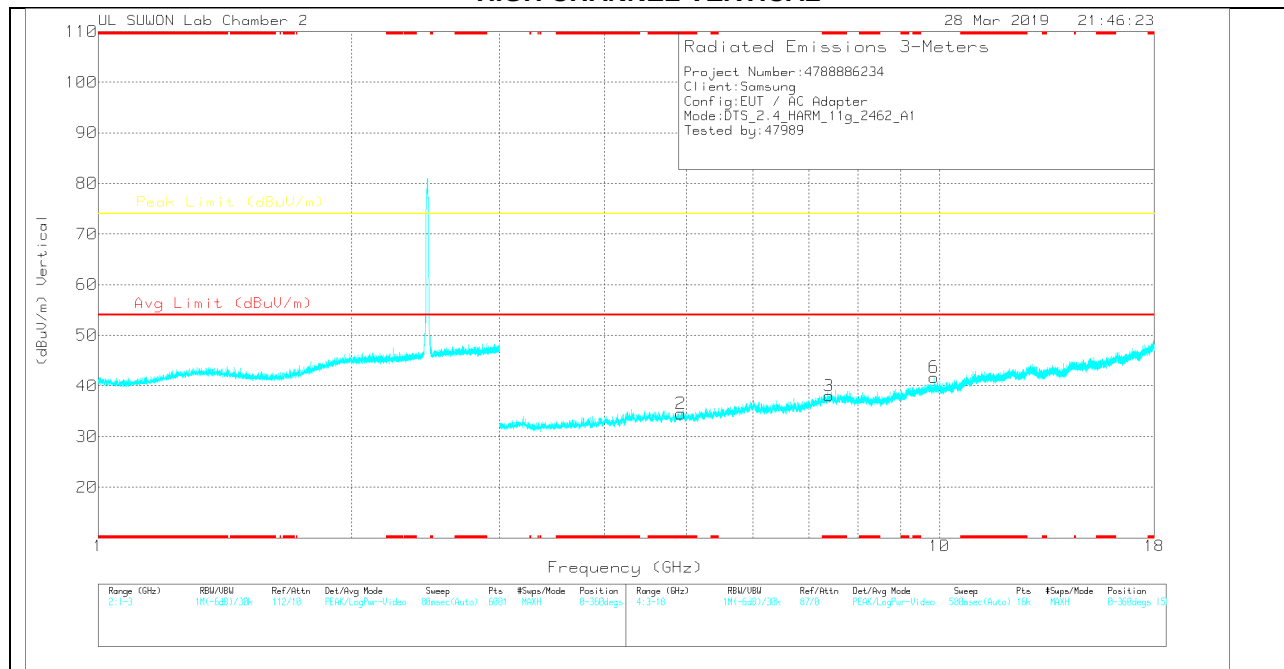
PK – Peak Detector

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168724	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	* 4.932	27.5	PK	34	-27.2	0	34.3	-	-	74	-39.7	0-360	150	H
4	* 7.386	26.38	PK	36.2	-24.2	0	38.38	-	-	74	-35.62	0-360	150	H
5	9.852	24.13	PK	37.4	-21.7	0	39.83	-	-	74	-34.17	0-360	150	H
2	* 4.928	27.73	PK	34	-27.2	0	34.53	-	-	74	-39.47	0-360	150	V
3	* 7.388	26.16	PK	36.2	-24.3	0	38.06	-	-	74	-35.94	0-360	150	V
6	9.848	26.21	PK	37.3	-21.8	0	41.71	-	-	74	-32.29	0-360	150	V

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

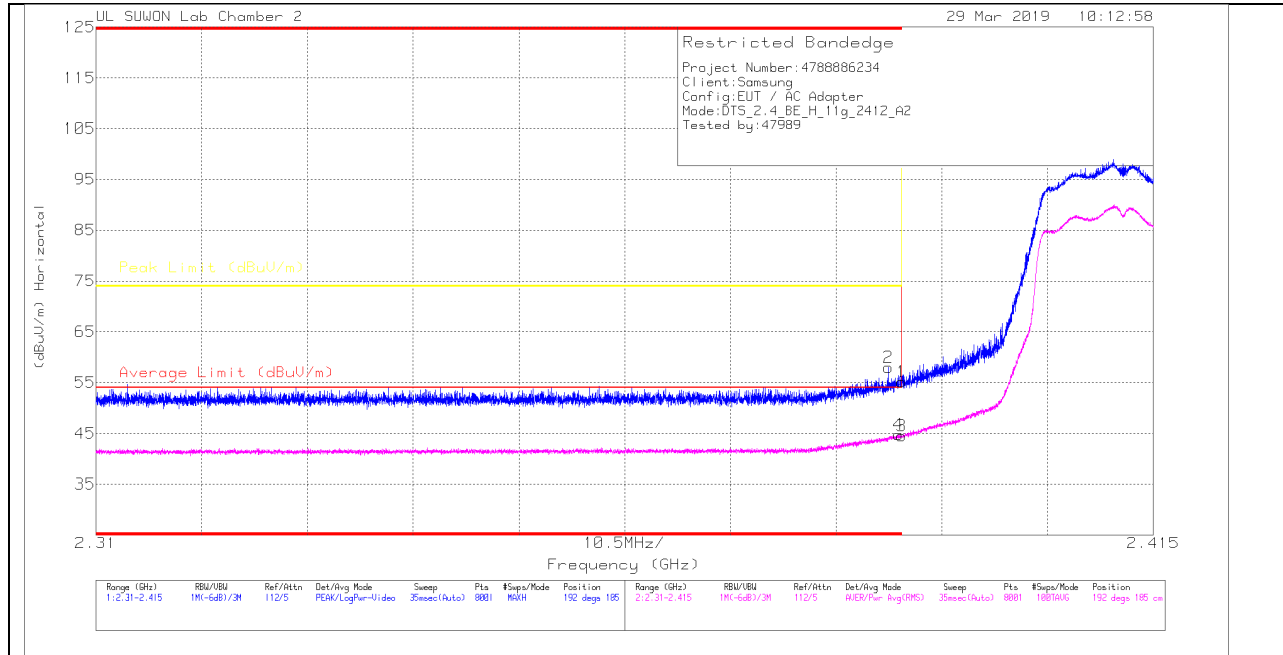
PK – Peak Detector

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

11.2.4. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND ANTENNA2

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

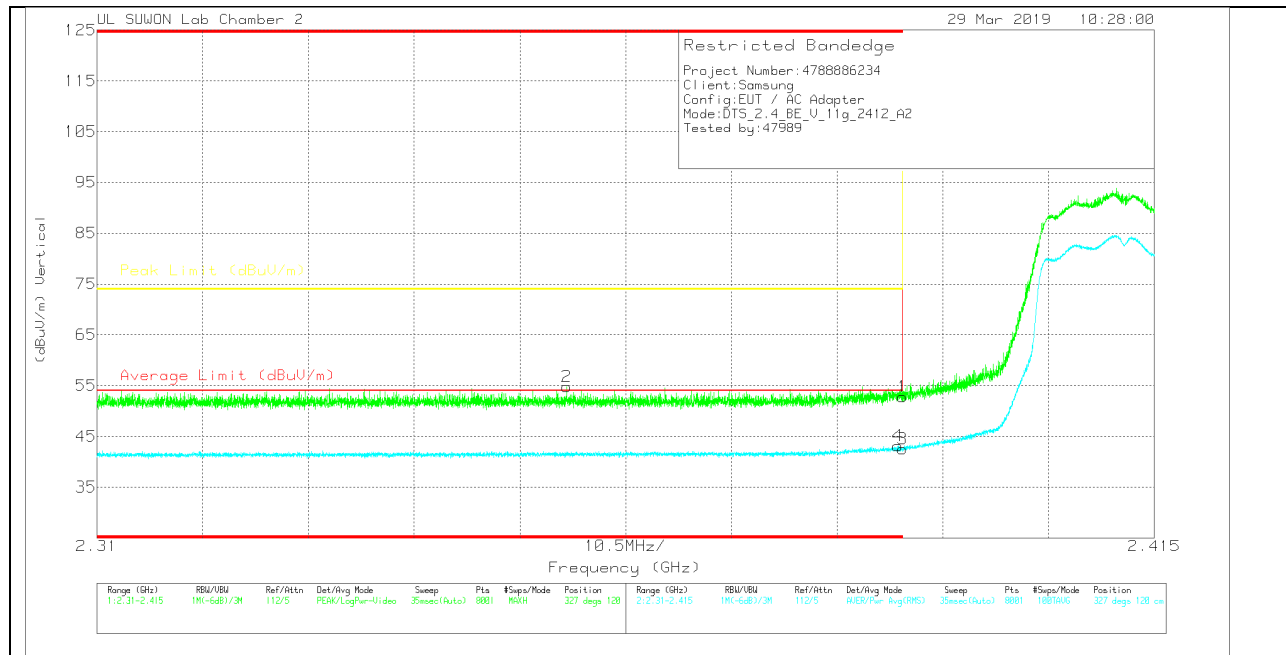
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.4	Pk	31.6	-20.8	0	55.2	-	-	74	-18.8	192	185	H
2	* 2.389	47.15	Pk	31.6	-20.8	0	57.95	-	-	74	-16.05	192	185	H
3	* 2.39	33.74	RMS	31.6	-20.8	0	44.54	54	-9.46	-	-	192	185	H
4	* 2.39	33.99	RMS	31.6	-20.8	0	44.79	54	-9.21	-	-	192	185	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	41.97	Pk	31.6	-20.8	0	52.77	-	-	74	-21.23	327	120	V
2	* 2.357	43.97	Pk	31.6	-20.8	0	54.77	-	-	74	-19.23	327	120	V
3	* 2.39	31.75	RMS	31.6	-20.8	0	42.55	54	-11.45	-	-	327	120	V
4	* 2.39	32.3	RMS	31.6	-20.8	0	43.1	54	-10.9	-	-	327	120	V

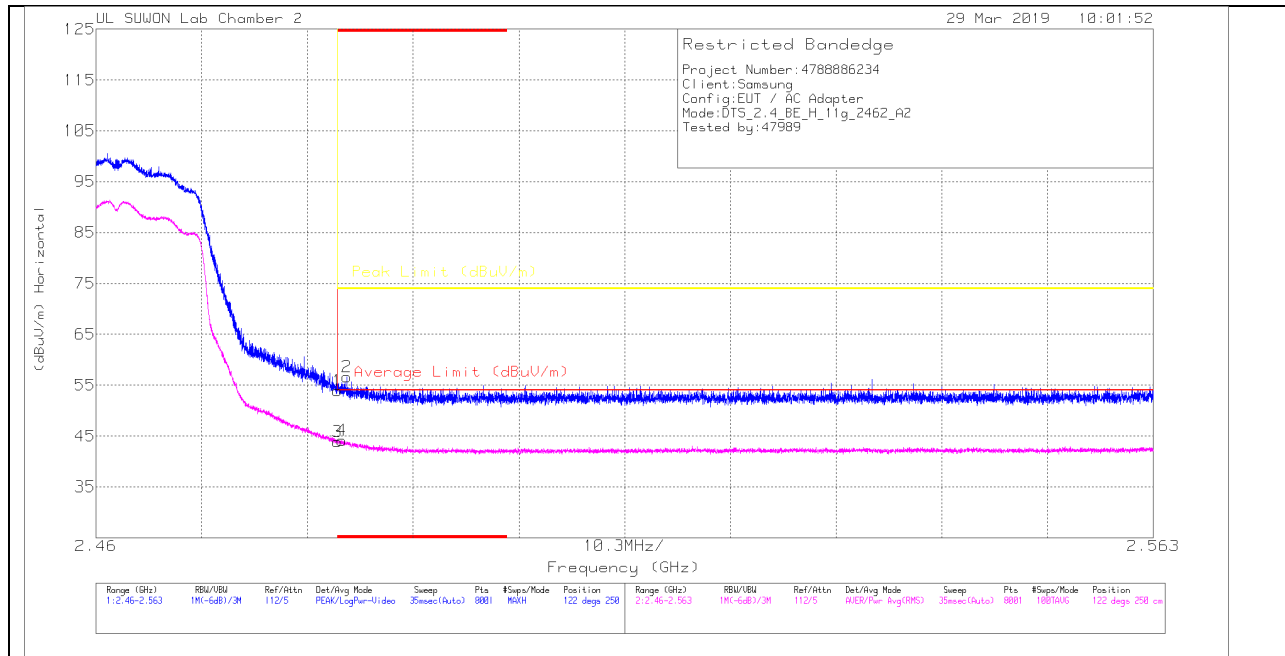
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

C

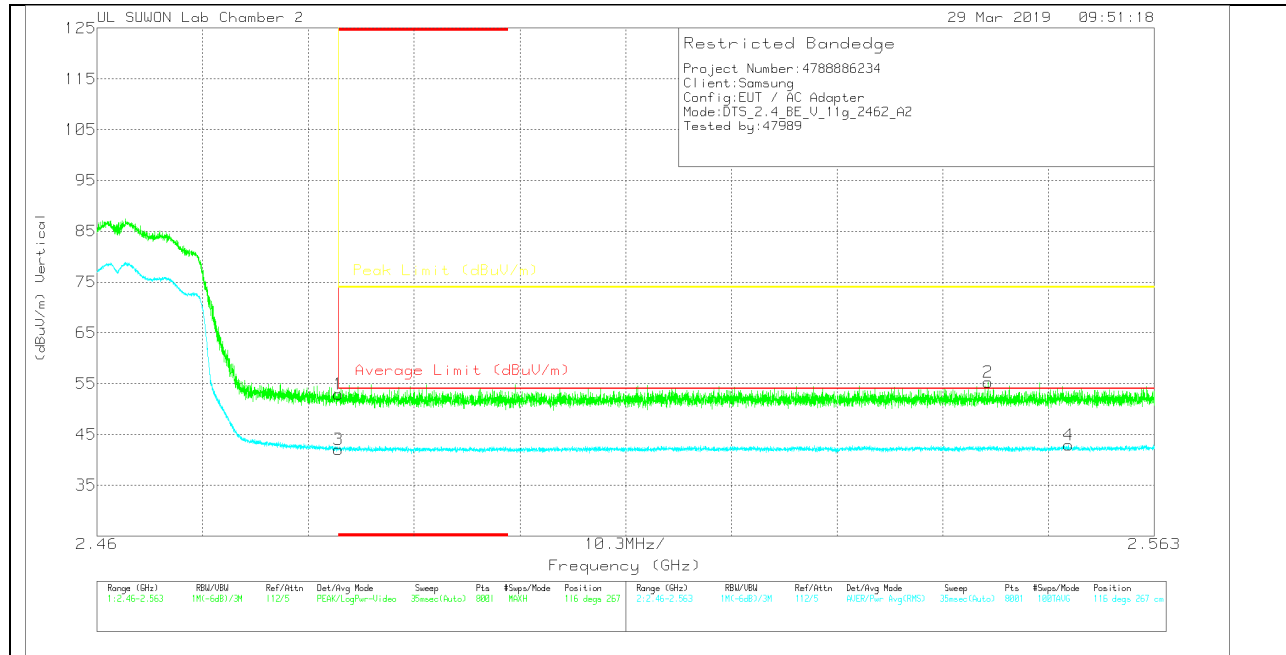
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.59	Pk	31.9	-20.6	0	53.89	-	-	74	-20.11	122	250	H
2	* 2.484	45.32	Pk	31.9	-20.6	0	56.62	-	-	74	-17.38	122	250	H
3	* 2.484	32.65	RMS	31.9	-20.6	0	43.95	54	-10.05	-	-	122	250	H
4	* 2.484	32.84	RMS	31.9	-20.6	0	44.14	54	-9.86	-	-	122	250	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.64	Pk	31.9	-20.6	0	52.94	-	-	74	-21.06	116	267	V
2	2.547	43.77	Pk	32	-20.5	0	55.27	-	-	74	-18.73	116	267	V
3	* 2.484	30.76	RMS	31.9	-20.6	0	42.06	54	-11.94	-	-	116	267	V
4	2.555	31.44	RMS	32	-20.5	0	42.94	54	-11.06	-	-	116	267	V

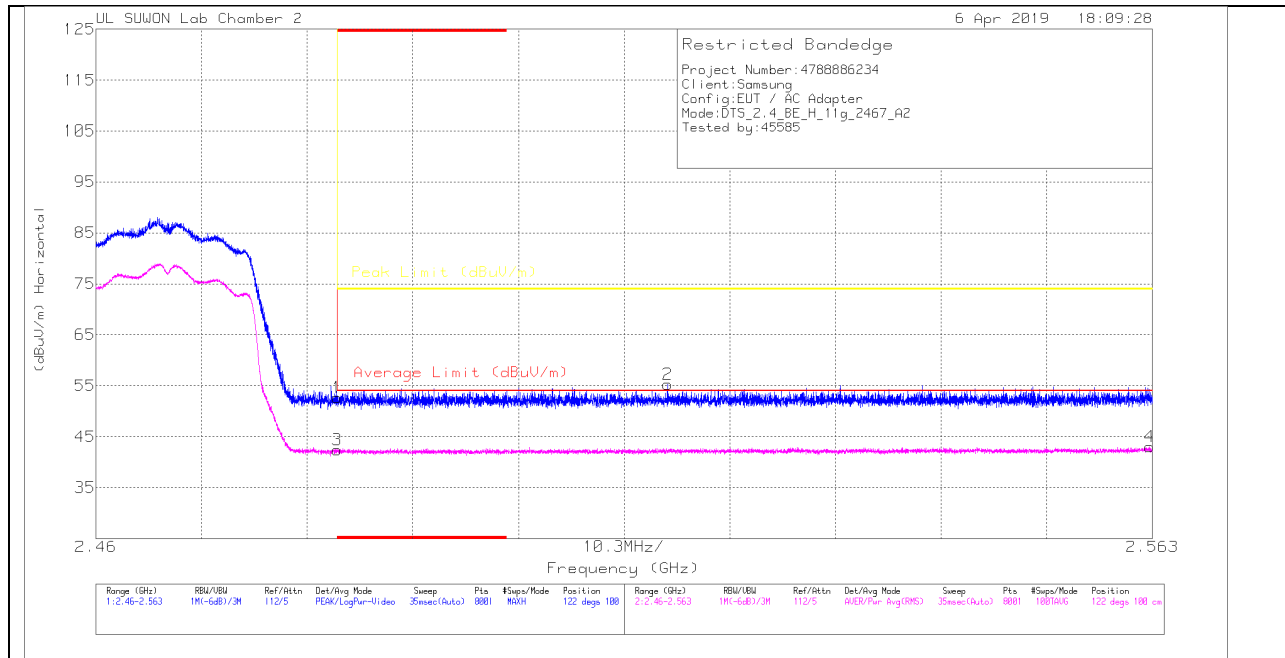
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

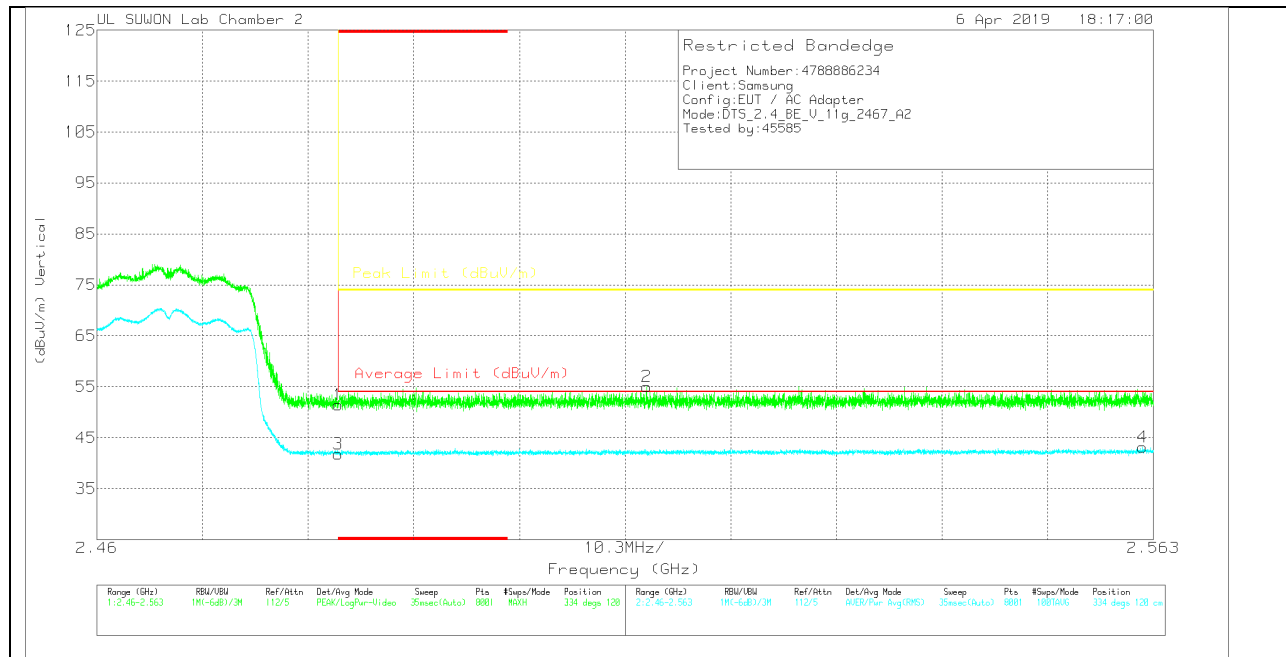
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.43	Pk	31.9	-20.6	0	52.73	-	-	74	-21.27	122	100	H
2	2.516	43.82	Pk	31.9	-20.5	0	55.22	-	-	74	-18.78	122	100	H
3	* 2.484	31.11	RMS	31.9	-20.6	0	42.41	54	-11.59	-	-	122	100	H
4	2.563	31.46	RMS	32	-20.4	0	43.06	54	-10.94	-	-	122	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	40.15	Pk	31.9	-20.6	0	51.45	-	-	74	-22.55	334	120	V
2	2.514	43.72	Pk	31.9	-20.6	0	55.02	-	-	74	-18.98	334	120	V
3	* 2.484	30.44	RMS	31.9	-20.6	0	41.74	54	-12.26	-	-	334	120	V
4	2.562	31.41	RMS	32	-20.3	0	43.11	54	-10.89	-	-	334	120	V

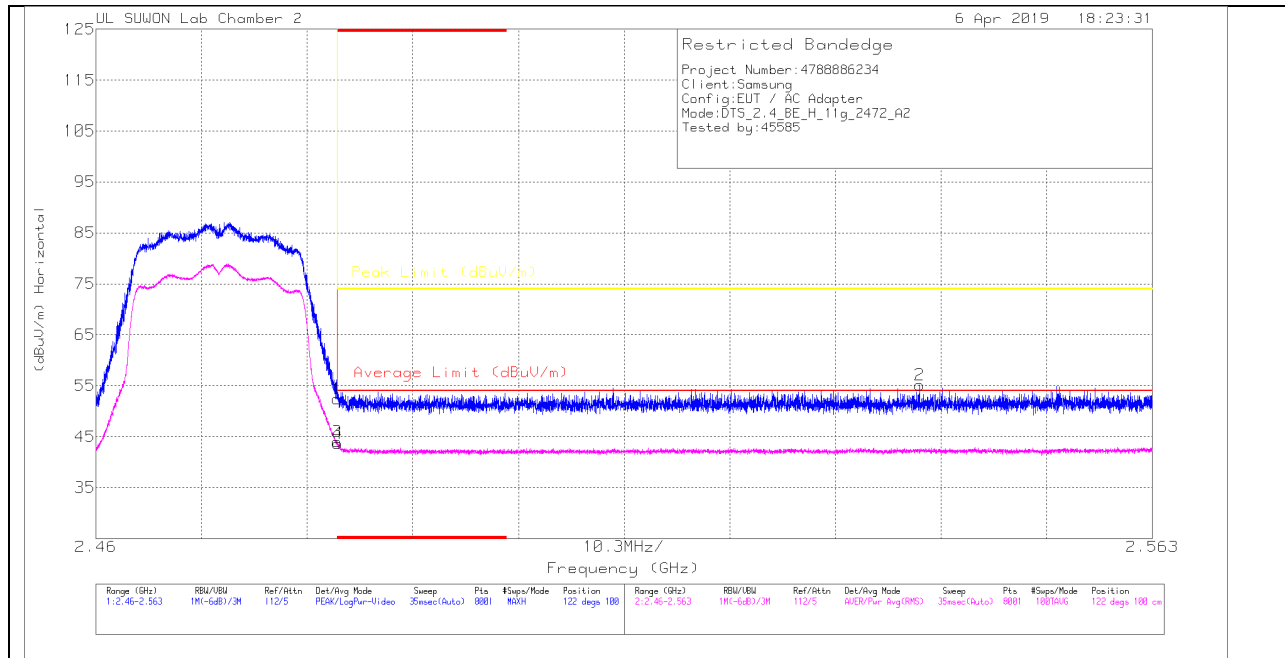
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

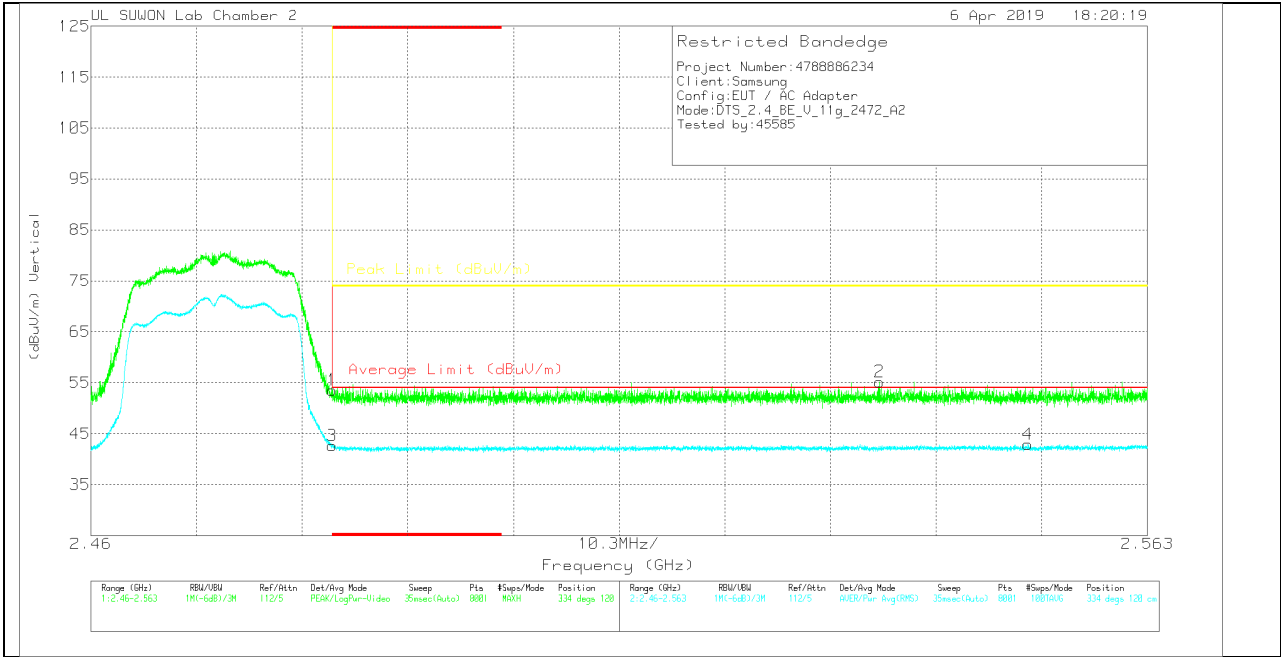
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	41.11	Pk	31.9	-20.6	0	52.41	-	-	74	-21.59	122	100	H
2	2.54	43.66	Pk	32	-20.5	0	55.16	-	-	74	-18.84	122	100	H
3	* 2.484	32.77	RMS	31.9	-20.6	0	44.07	54	-9.93	-	-	122	100	H
4	* 2.484	32.4	RMS	31.9	-20.6	0	43.7	54	-10.3	-	-	122	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.3	Pk	31.9	-20.6	0	53.6	-	-	74	-20.4	334	120	V
2	2.537	43.91	Pk	32	-20.7	0	55.21	-	-	74	-18.79	334	120	V
3	* 2.484	31.31	RMS	31.9	-20.6	0	42.61	54	-11.39	-	-	334	120	V
4	2.551	31.43	RMS	32	-20.5	0	42.93	54	-11.07	-	-	334	120	V

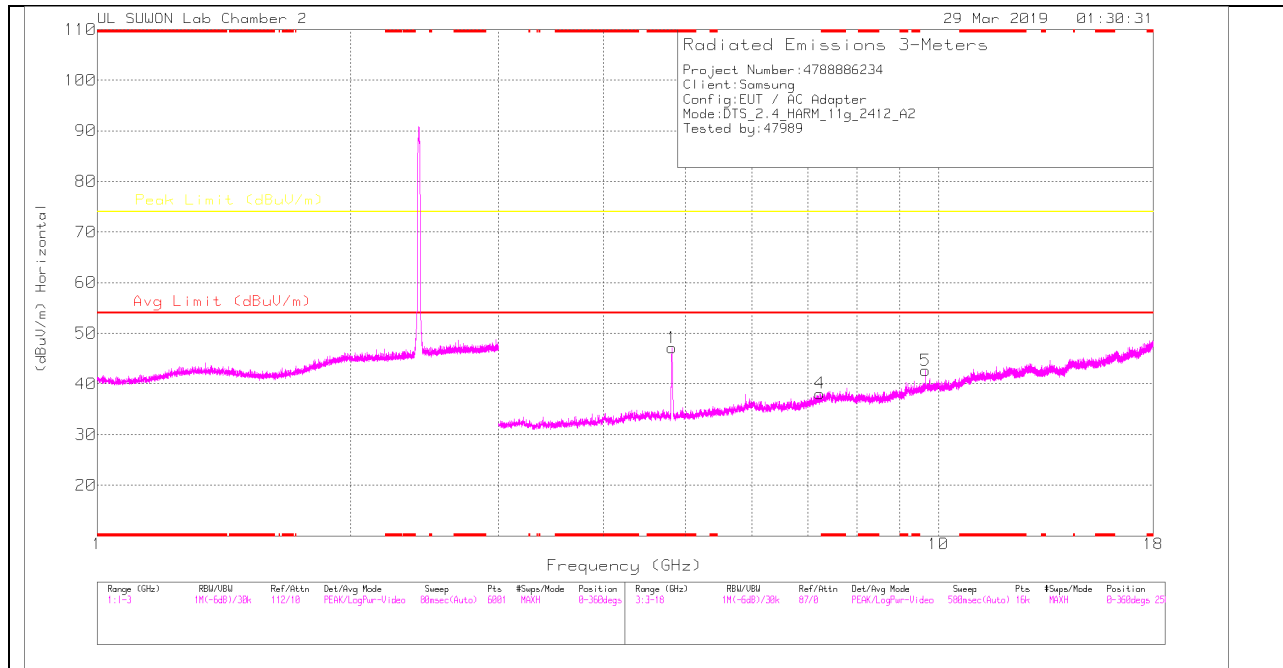
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

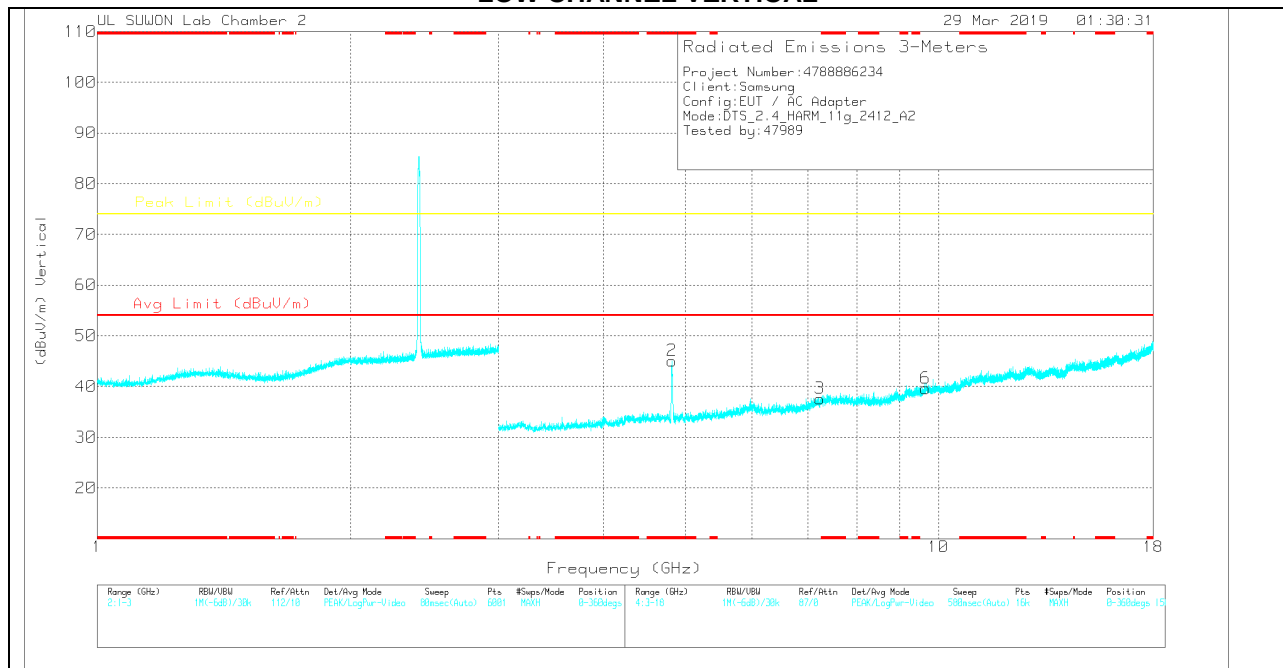
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168724	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	* 4.821	41.31	PK	34	-28.2	0	47.11	-	-	74	-26.89	0-360	150	H
4	7.232	27.52	PK	36.1	-25.5	0	38.12	-	-	74	-35.88	0-360	250	H
5	9.648	27.24	PK	37	-21.6	0	42.64	-	-	74	-31.36	0-360	150	H
2	* 4.822	39.28	PK	34	-28.2	0	45.08	-	-	74	-28.92	0-360	150	V
3	7.23	26.91	PK	36.1	-25.4	0	37.61	-	-	74	-36.39	0-360	150	V
6	9.652	24.13	PK	37.1	-21.6	0	39.63	-	-	74	-34.37	0-360	250	V

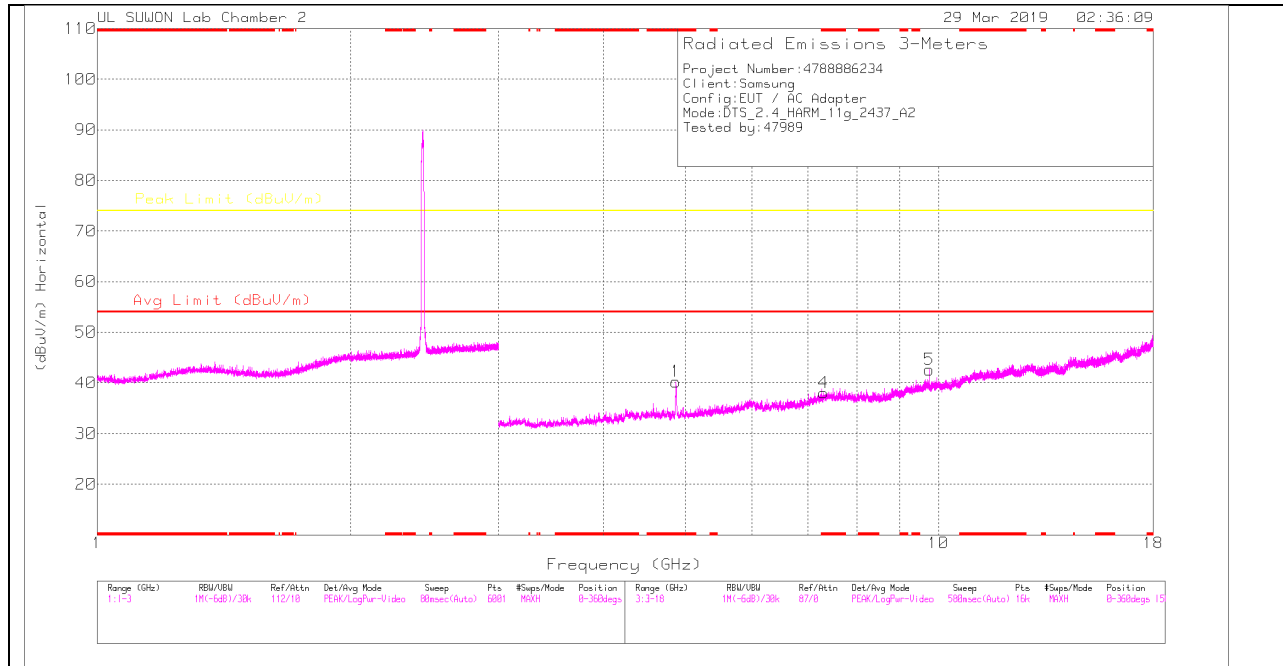
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

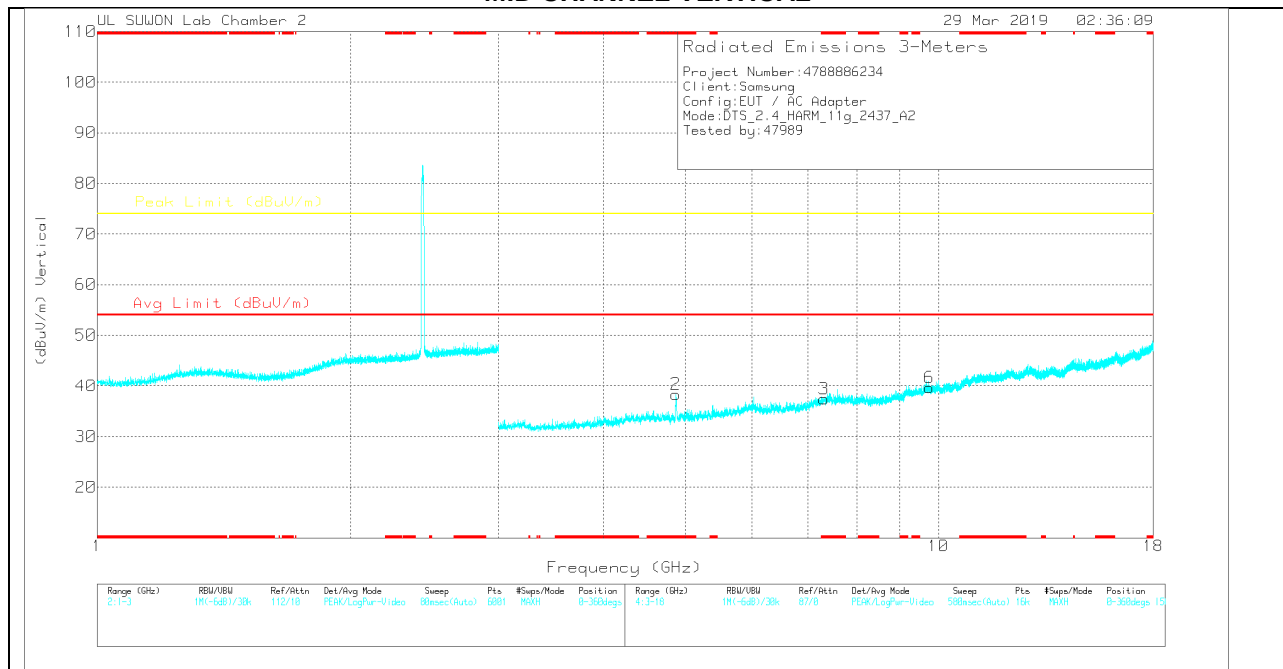
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.822	53.28	PK2	34	-28.2	0	59.08	-	-	74	-14.92	56	127	H
* 4.824	38.89	MAv1	34	-28.1	0	44.79	54	-9.21	-	-	56	127	H
* 4.823	52.24	PK2	34	-28.2	0	58.04	-	-	74	-15.96	90	123	V
* 4.823	37.8	MAv1	34	-28.2	0	43.6	54	-10.4	-	-	90	123	V
9.648	33.83	PK2	37	-21.6	0	49.23	-	-	74	-24.77	150	114	V
9.648	34.6	PK2	37	-21.6	0	50	-	-	74	-24	235	161	H

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168724	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	* 4.875	34.24	PK	34	-28	0	40.24	-	-	74	-33.76	0-360	150	H
4	* 7.307	26.92	PK	36.2	-25.1	0	38.02	-	-	74	-35.98	0-360	250	H
5	9.748	26.82	PK	37.2	-21.4	0	42.62	-	-	74	-31.38	0-360	250	H
2	* 4.876	32.24	PK	34	-27.9	0	38.34	-	-	74	-35.66	0-360	150	V
3	* 7.309	26.31	PK	36.2	-25.1	0	37.41	-	-	74	-36.59	0-360	150	V
6	9.749	23.86	PK	37.2	-21.4	0	39.66	-	-	74	-34.34	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

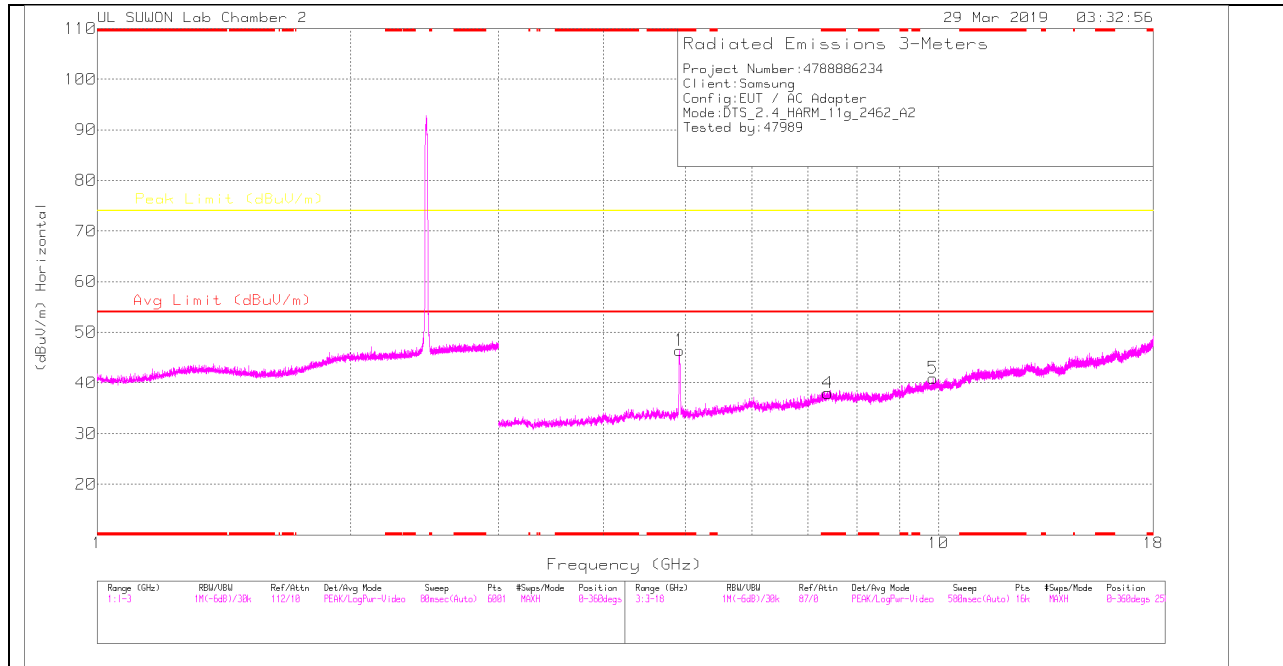
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.874	44.09	PK2	34	-28	0	50.09	-	-	74	-23.91	118	108	H
* 4.874	30.99	MAv1	34	-28	0	36.99	54	-17.01	-	-	118	108	H
* 4.874	43.42	PK2	34	-28	0	49.42	-	-	74	-24.58	90	102	V
* 4.877	30.78	MAv1	34	-27.9	0	36.88	54	-17.12	-	-	90	102	V
9.748	33.68	PK2	37.2	-21.4	0	49.48	-	-	74	-24.52	137	134	V
9.748	34.34	PK2	37.2	-21.4	0	50.14	-	-	74	-23.86	235	152	H

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

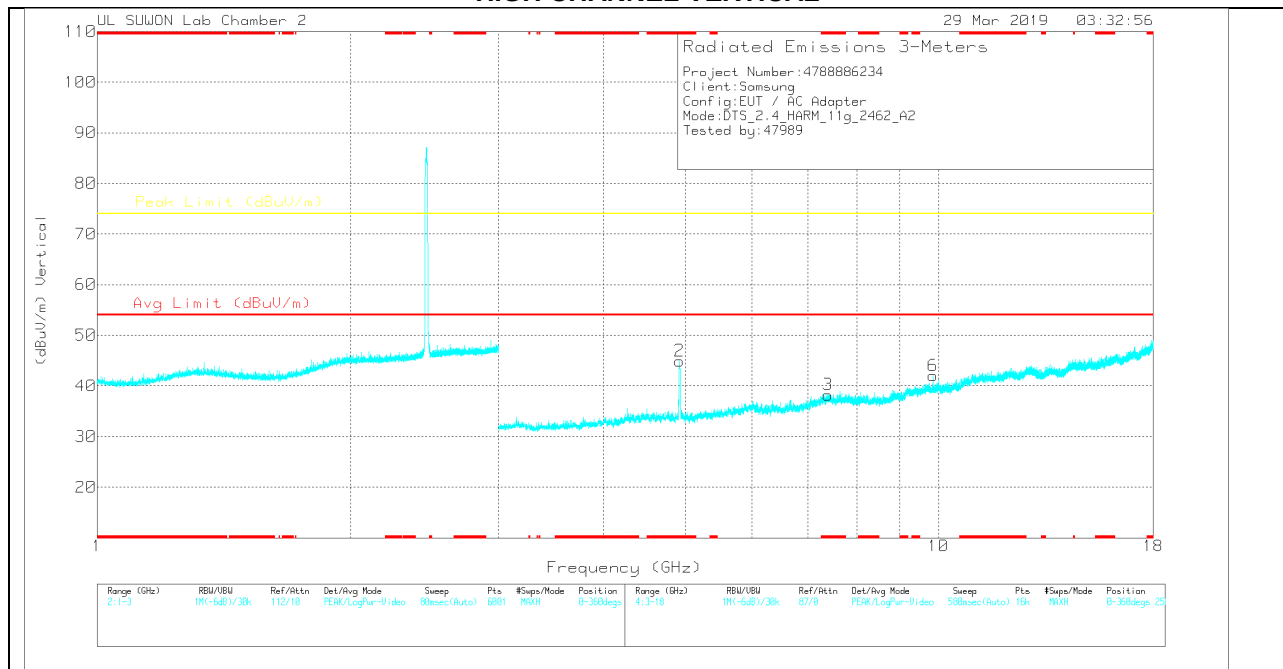
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168724	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	* 4.923	39.72	PK	34	-27.3	0	46.42	-	-	74	-27.58	0-360	150	H
4	* 7.386	26.01	PK	36.2	-24.2	0	38.01	-	-	74	-35.99	0-360	250	H
5	9.848	25.45	PK	37.3	-21.8	0	40.95	-	-	74	-33.05	0-360	150	H
2	* 4.926	38.13	PK	34	-27.2	0	44.93	-	-	74	-29.07	0-360	150	V
3	* 7.388	26.34	PK	36.2	-24.3	0	38.24	-	-	74	-35.76	0-360	150	V
6	9.848	26.5	PK	37.3	-21.8	0	42	-	-	74	-32	0-360	150	V

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

Radiated Emissions

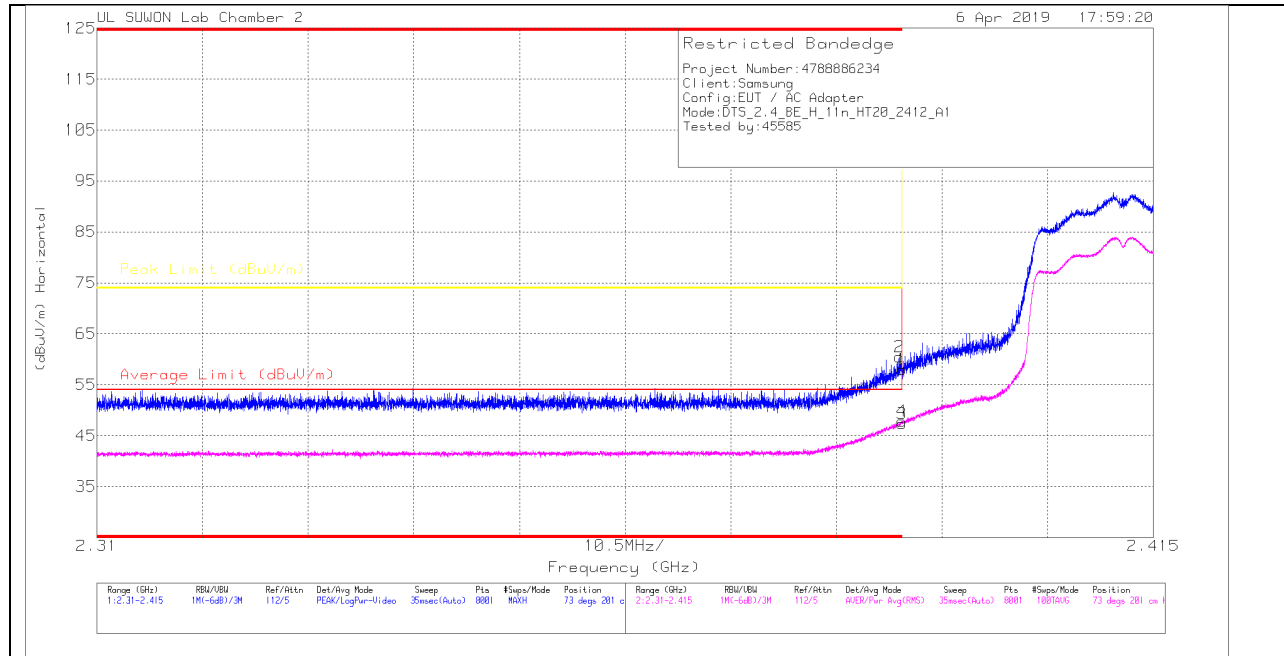
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.922	51.51	PK2	34	-27.3	0	58.21	-	-	74	-15.79	61	168	H
* 4.923	37.22	MAv1	34	-27.3	0	43.92	54	-10.08	-	-	61	168	H
* 4.922	50.96	PK2	34	-27.3	0	57.66	-	-	74	-16.34	90	121	V
* 4.923	36.38	MAv1	34	-27.3	0	43.08	54	-10.92	-	-	90	121	V

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

11.2.5. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND ANTENNA1

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

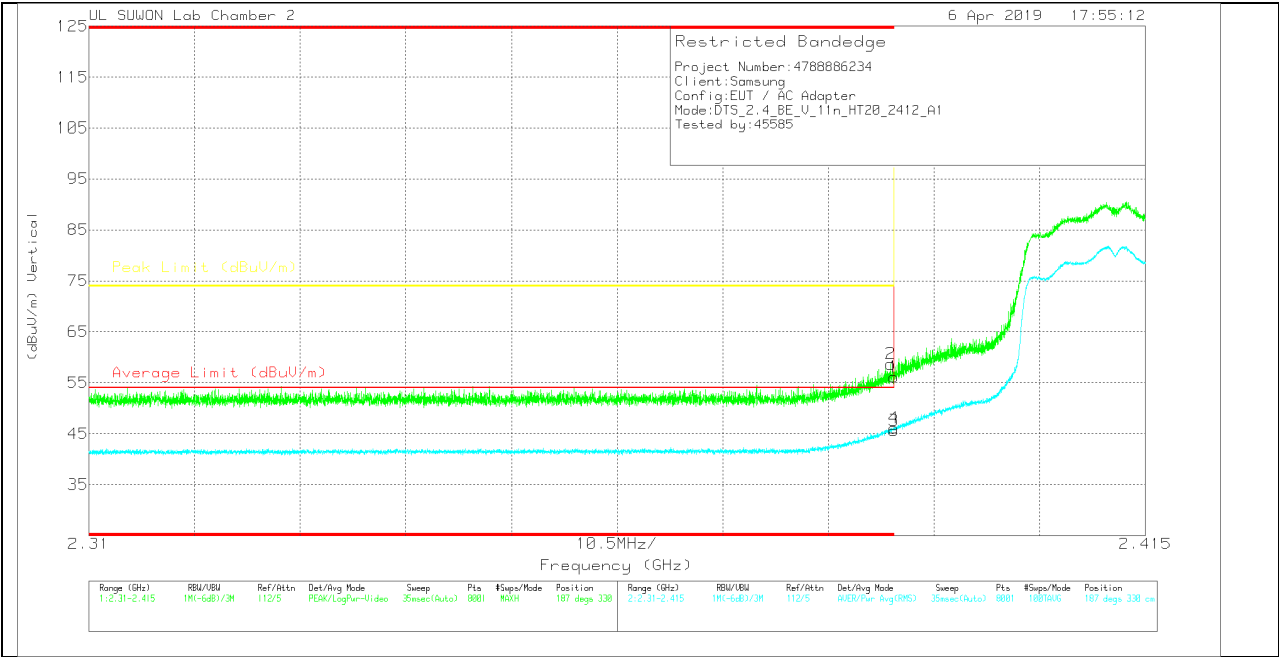
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	47.15	Pk	31.6	-20.8	0	57.95	-	-	74	-16.05	73	201	H
2	* 2.39	49.65	Pk	31.6	-20.8	0	60.45	-	-	74	-13.55	73	201	H
3	* 2.39	36.51	RMS	31.6	-20.8	0	47.31	54	-6.69	-	-	73	201	H
4	* 2.39	37.02	RMS	31.6	-20.8	0	47.82	54	-6.18	-	-	73	201	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.3	Pk	31.6	-20.8	0	56.1	-	-	74	-17.9	187	330	V
2	* 2.39	47.88	Pk	31.6	-20.8	0	58.68	-	-	74	-15.32	187	330	V
3	* 2.39	34.8	RMS	31.6	-20.8	0	45.6	54	-8.4	-	-	187	330	V
4	* 2.39	35.29	RMS	31.6	-20.8	0	46.09	54	-7.91	-	-	187	330	V

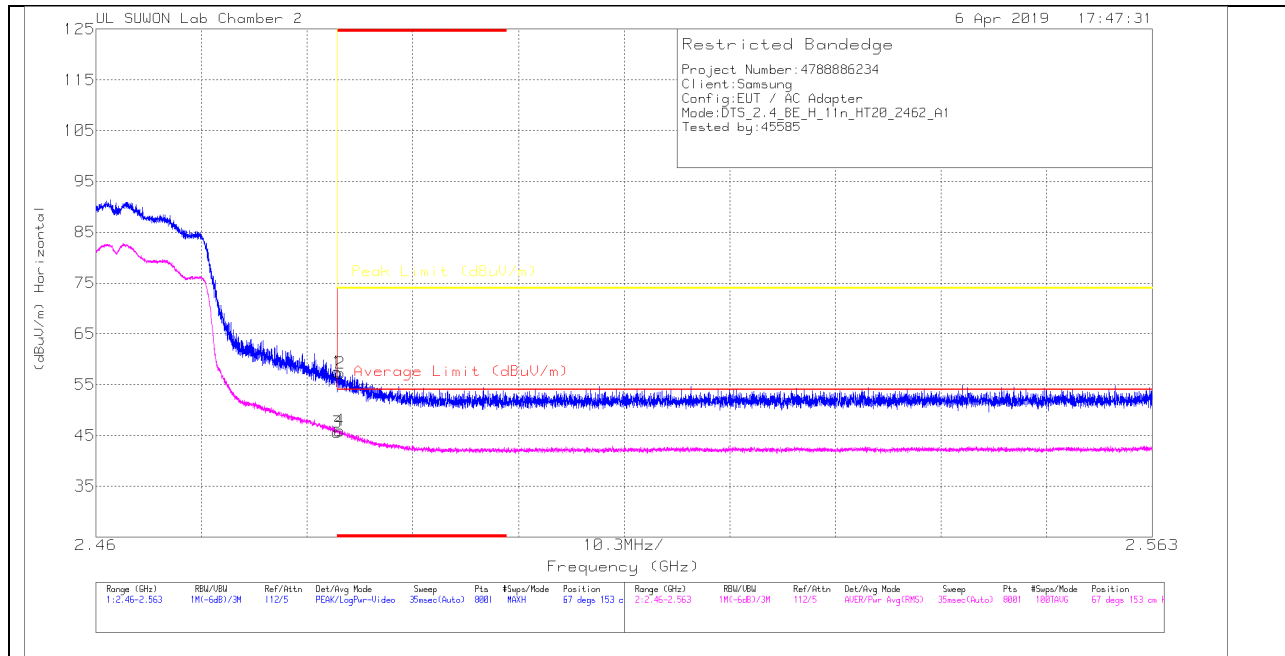
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

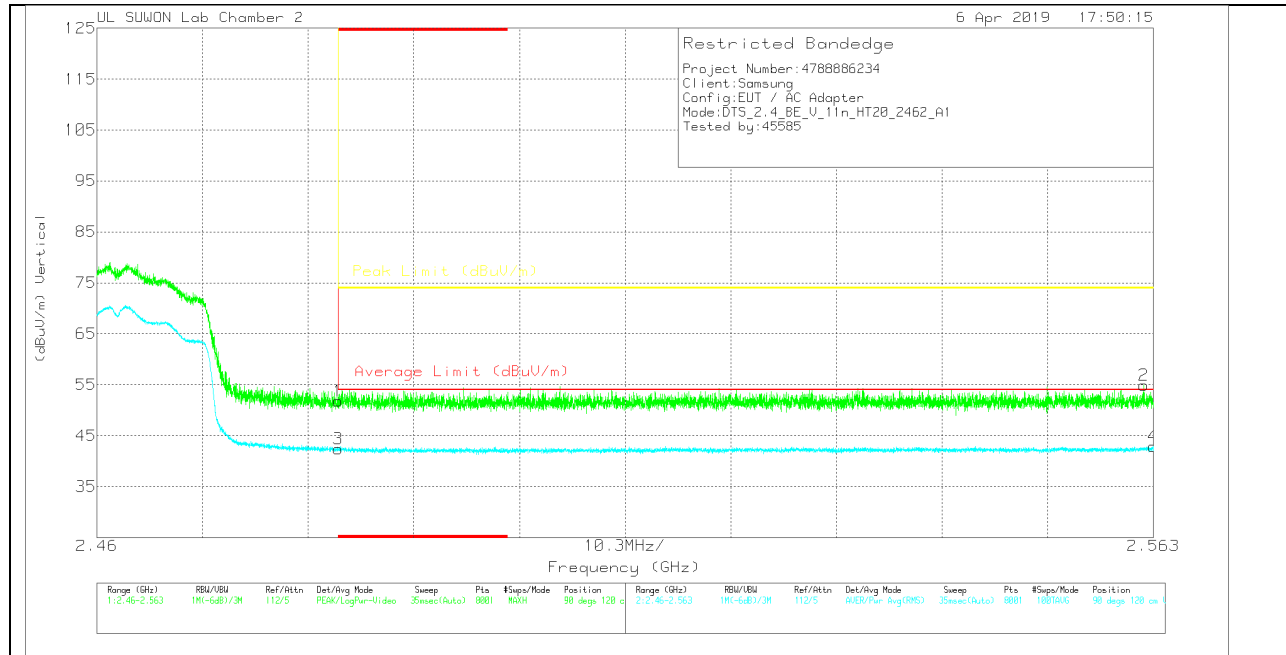
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	46.15	Pk	31.9	-20.6	0	57.45	-	-	74	-16.55	67	153	H
2	* 2.484	46	Pk	31.9	-20.6	0	57.3	-	-	74	-16.7	67	153	H
3	* 2.484	34.27	RMS	31.9	-20.6	0	45.57	54	-8.43	-	-	67	153	H
4	* 2.484	34.64	RMS	31.9	-20.6	0	45.94	54	-8.06	-	-	67	153	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	40.48	Pk	31.9	-20.6	0	51.78	-	-	74	-22.22	90	120	V
2	2.562	43.17	Pk	32	-20.3	0	54.87	-	-	74	-19.13	90	120	V
3	* 2.484	31.13	RMS	31.9	-20.6	0	42.43	54	-11.57	-	-	90	120	V
4	2.563	31.34	RMS	32	-20.4	0	42.94	54	-11.06	-	-	90	120	V

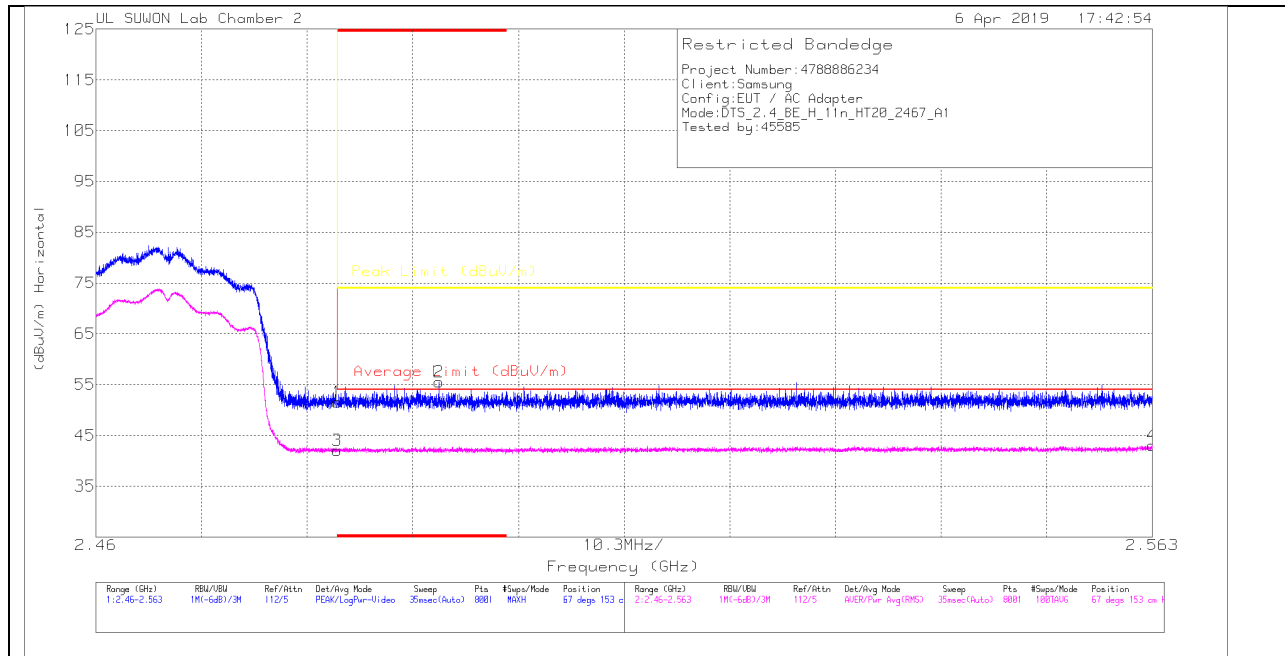
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

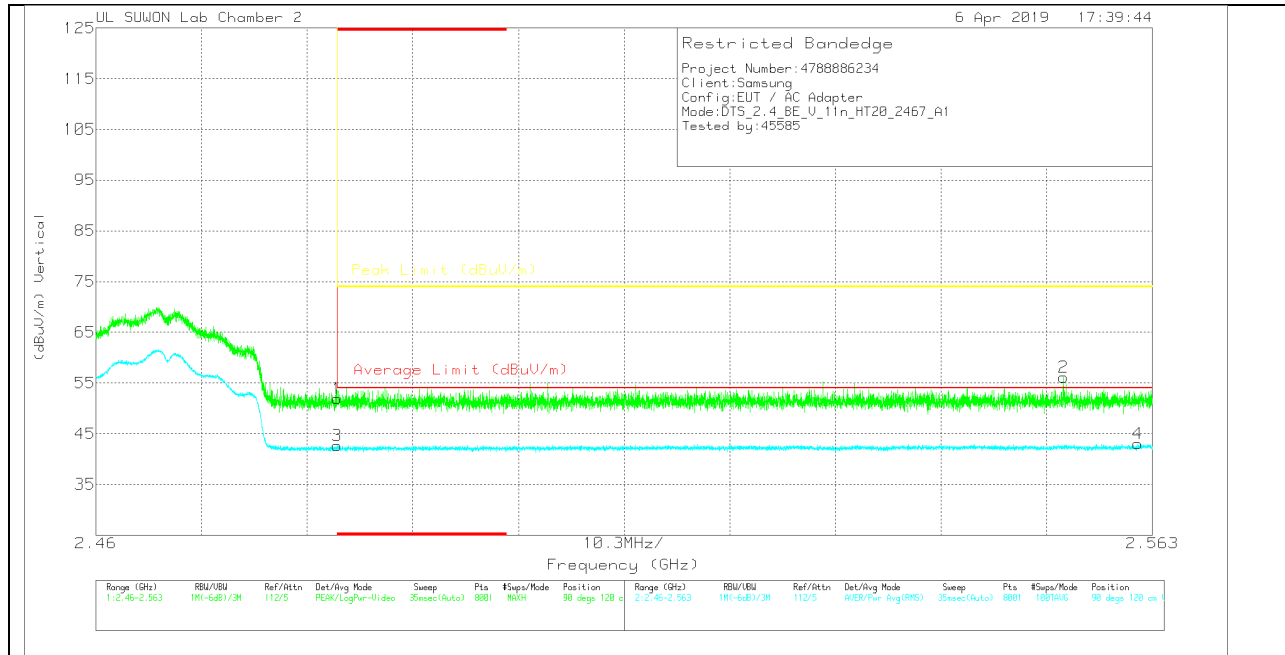
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.24	Pk	31.9	-20.6	0	51.54	-	-	74	-22.46	67	153	H
2	* 2.493	44.22	Pk	31.9	-20.6	0	55.52	-	-	74	-18.48	67	153	H
3	* 2.484	30.74	RMS	31.9	-20.6	0	42.04	54	-11.96	-	-	67	153	H
4	2.563	31.46	RMS	32	-20.4	0	43.06	54	-10.94	-	-	67	153	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	40.66	Pk	31.9	-20.6	0	51.96	-	-	74	-22.04	90	120	V
2	2.554	44.56	Pk	32	-20.4	0	56.16	-	-	74	-17.84	90	120	V
3	* 2.484	31.31	RMS	31.9	-20.6	0	42.61	54	-11.39	-	-	90	120	V
4	2.562	31.42	RMS	32	-20.4	0	43.02	54	-10.98	-	-	90	120	V

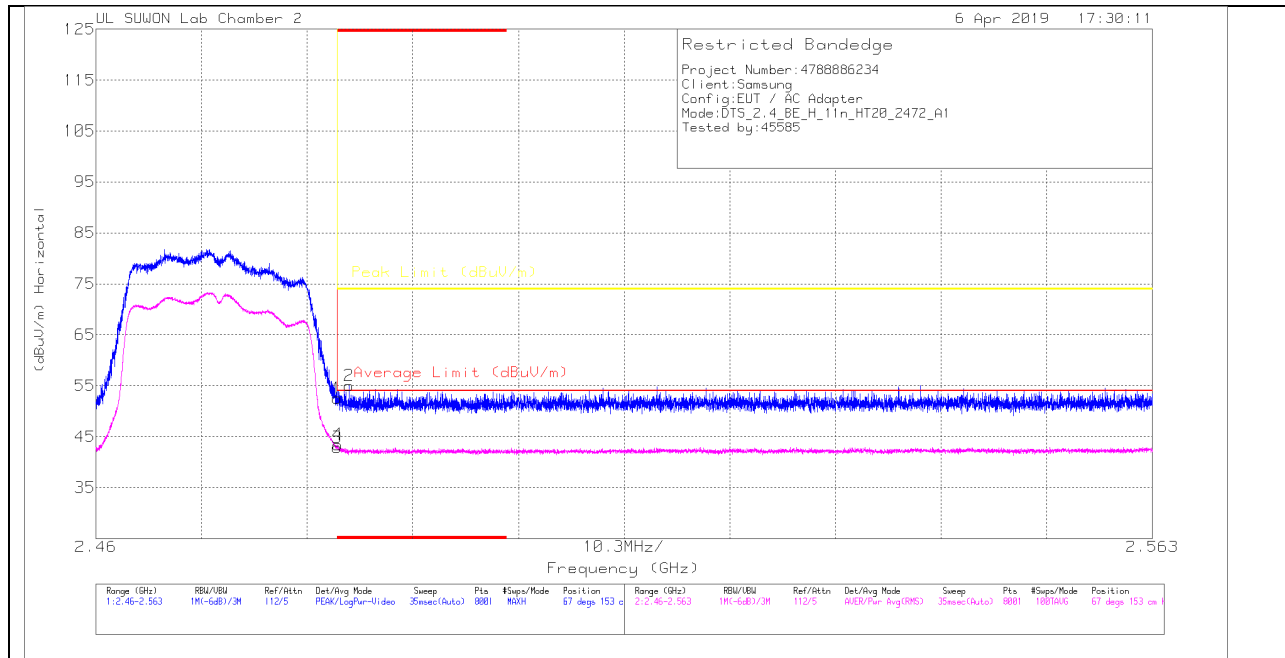
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

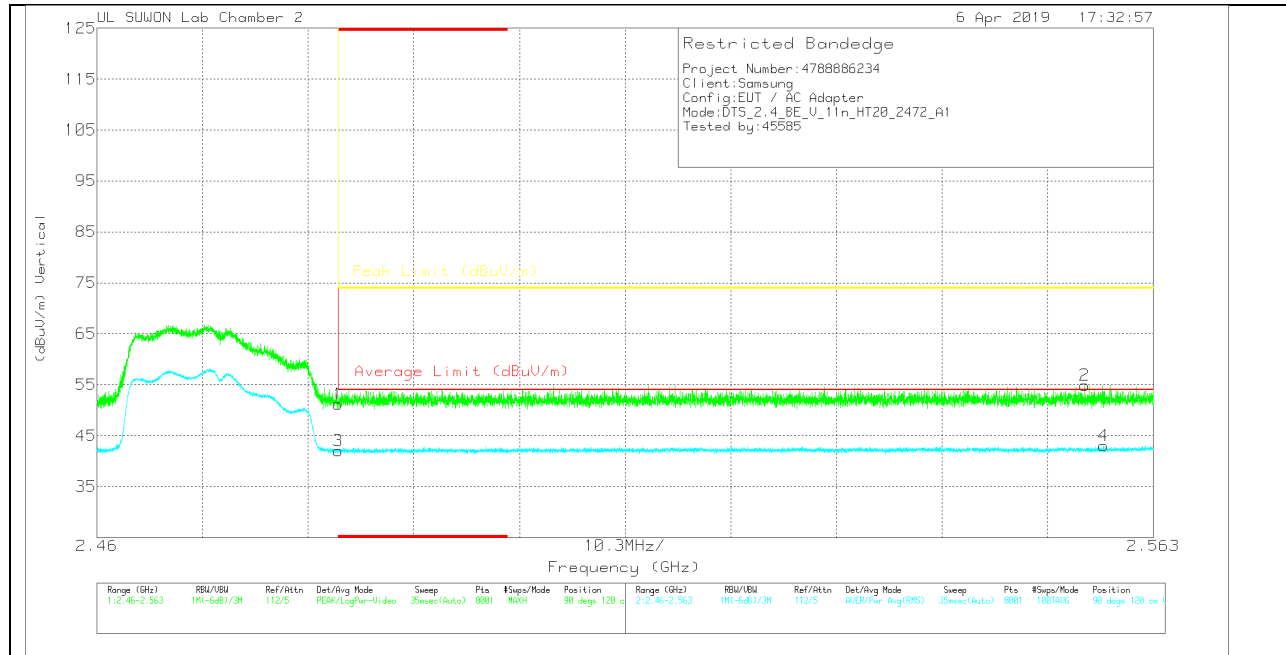
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.26	Pk	31.9	-20.6	0	52.56	-	-	74	-21.44	67	153	H
2	* 2.485	43.78	Pk	31.9	-20.6	0	55.08	-	-	74	-18.92	67	153	H
3	* 2.484	31.58	RMS	31.9	-20.6	0	42.88	54	-11.12	-	-	67	153	H
4	* 2.484	32.16	RMS	31.9	-20.6	0	43.46	54	-10.54	-	-	67	153	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	39.9	Pk	31.9	-20.6	0	51.2	-	-	74	-22.8	90	120	V
2	2.556	43.55	Pk	32	-20.6	0	54.95	-	-	74	-19.05	90	120	V
3	* 2.484	30.7	RMS	31.9	-20.6	0	42	54	-12	-	-	90	120	V
4	2.558	31.52	RMS	32	-20.5	0	43.02	54	-10.98	-	-	90	120	V

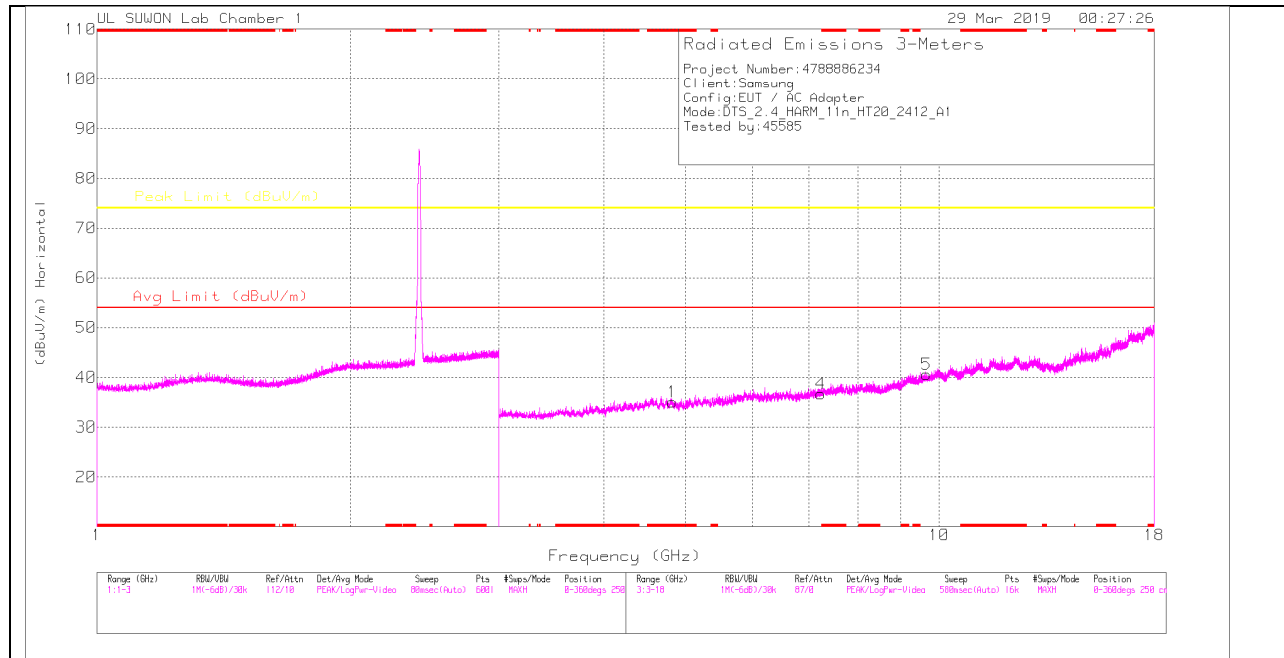
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

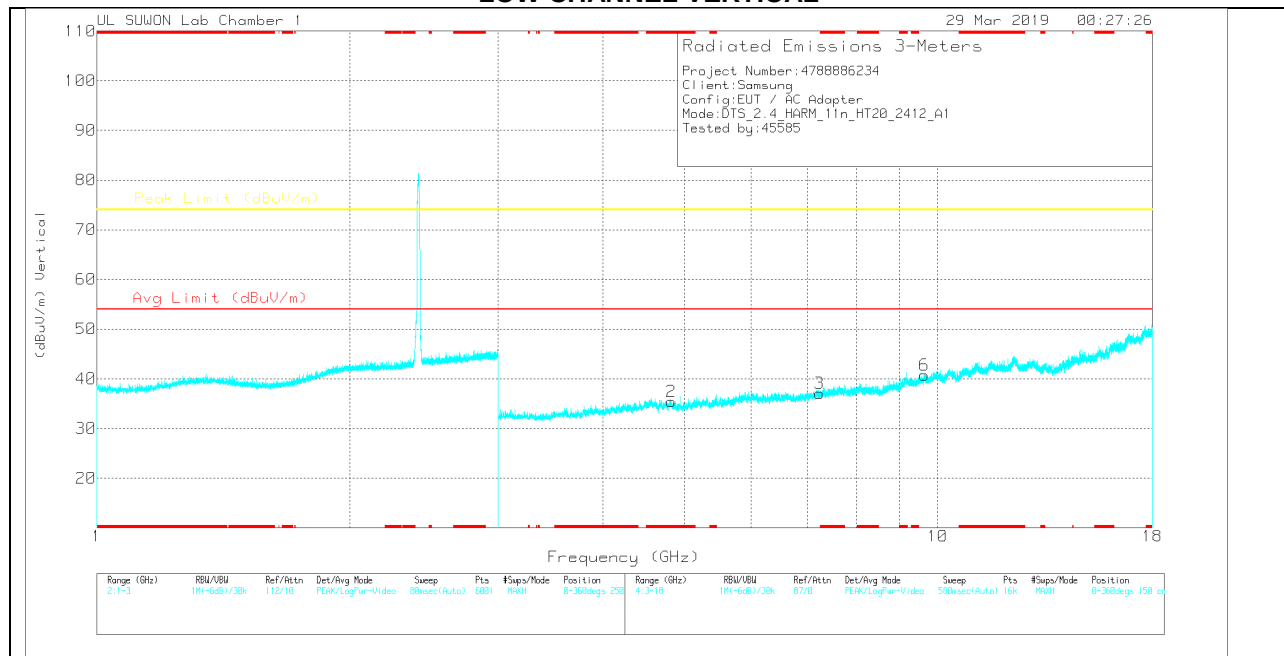
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

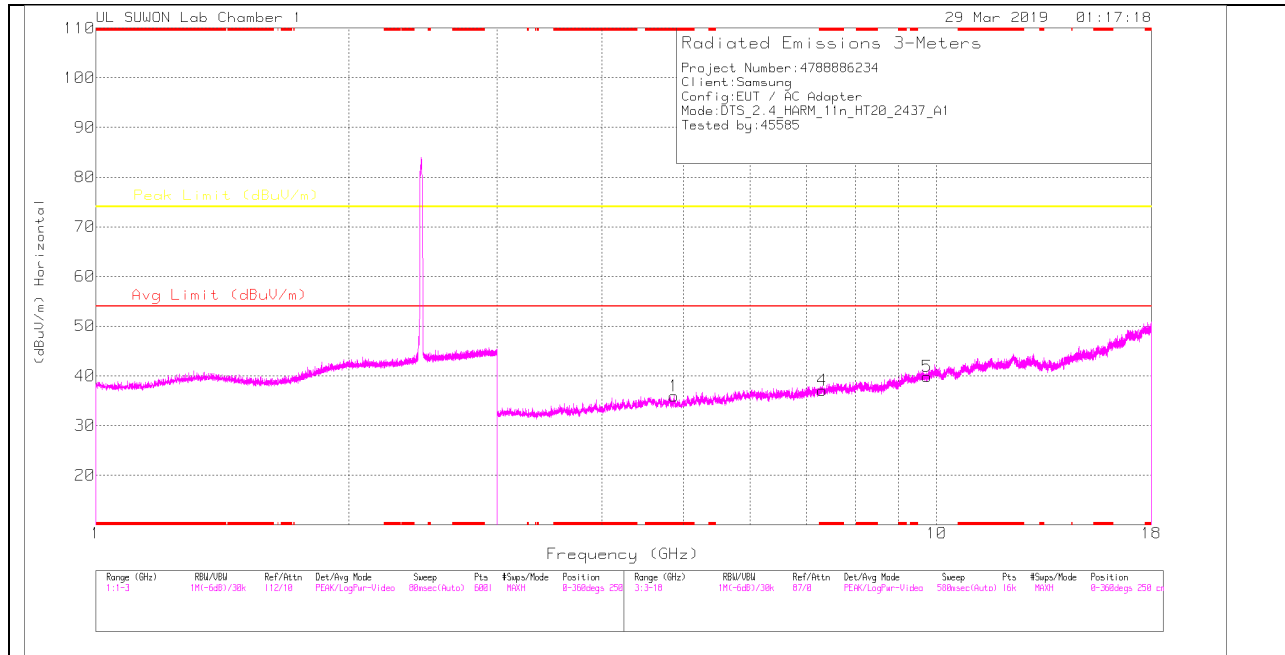
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	32.23	PK	34.2	-31.4	0	35.03	-	-	74	-38.97	0-360	150	H
4	7.238	28.75	PK	35.8	-27.8	0	36.75	-	-	74	-37.25	0-360	250	H
5	9.649	26.8	PK	37.1	-23.3	0	40.6	-	-	74	-33.4	0-360	150	H
2	* 4.824	32.61	PK	34.2	-31.4	0	35.41	-	-	74	-38.59	0-360	250	V
3	7.238	29.1	PK	35.8	-27.8	0	37.1	-	-	74	-36.9	0-360	150	V
6	9.647	26.99	PK	37.1	-23.3	0	40.79	-	-	74	-33.21	0-360	150	V

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

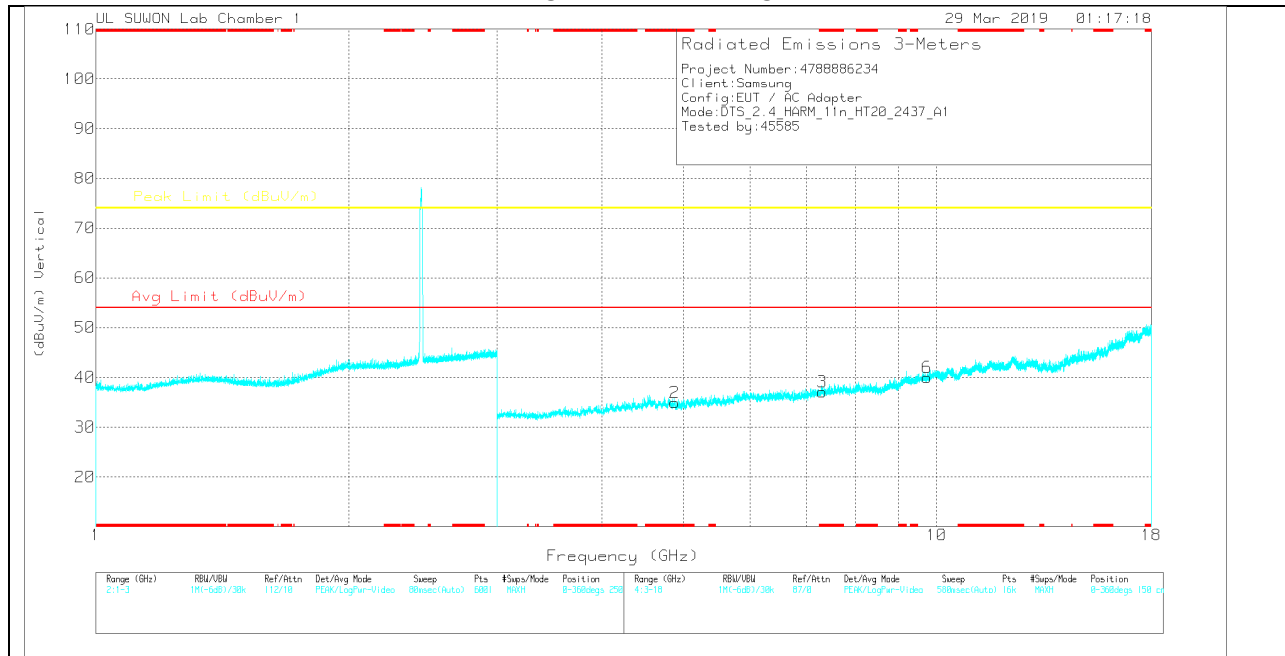
PK – Peak Detector

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

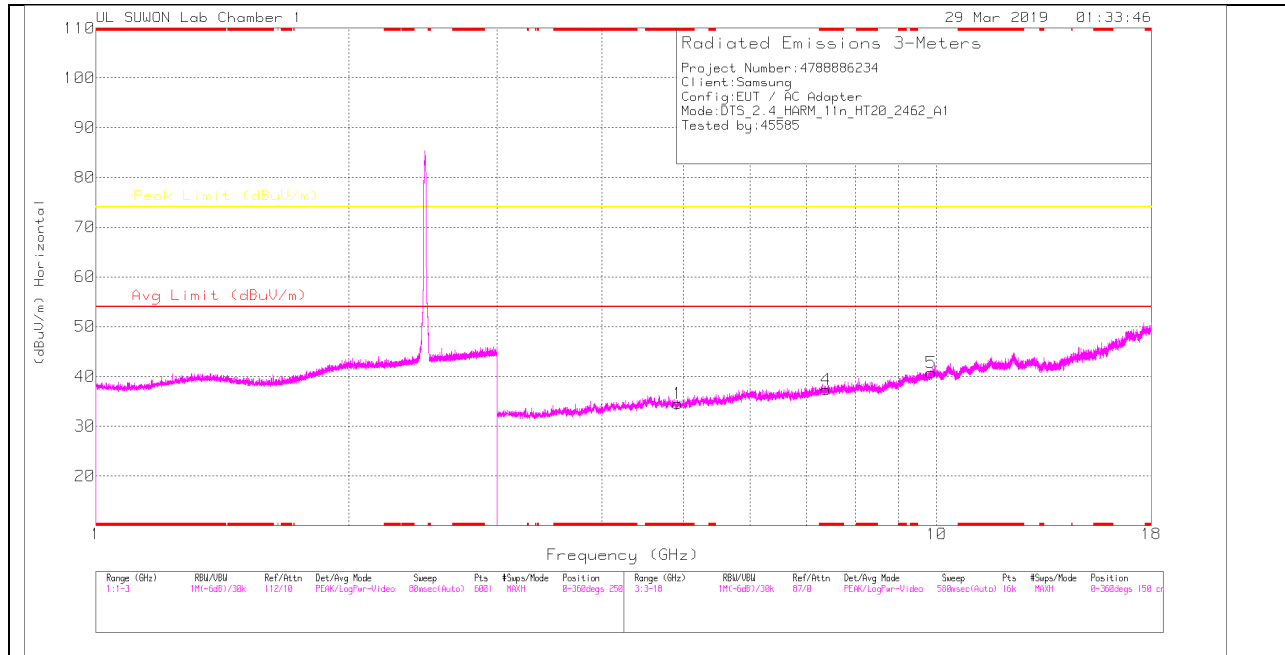
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168/17	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	33.21	PK	34.2	-31.5	0	35.91	-	-	74	-38.09	0-360	150	H
4	* 7.311	28.65	PK	35.8	-27.4	0	37.05	-	-	74	-36.95	0-360	150	H
5	9.748	26.59	PK	37.2	-23.9	0	39.89	-	-	74	-34.11	0-360	250	H
2	* 4.877	32.23	PK	34.2	-31.5	0	34.93	-	-	74	-39.07	0-360	150	V
3	* 7.312	28.65	PK	35.8	-27.4	0	37.05	-	-	74	-36.95	0-360	150	V
6	9.748	26.63	PK	37.2	-23.9	0	39.93	-	-	74	-34.07	0-360	150	V

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

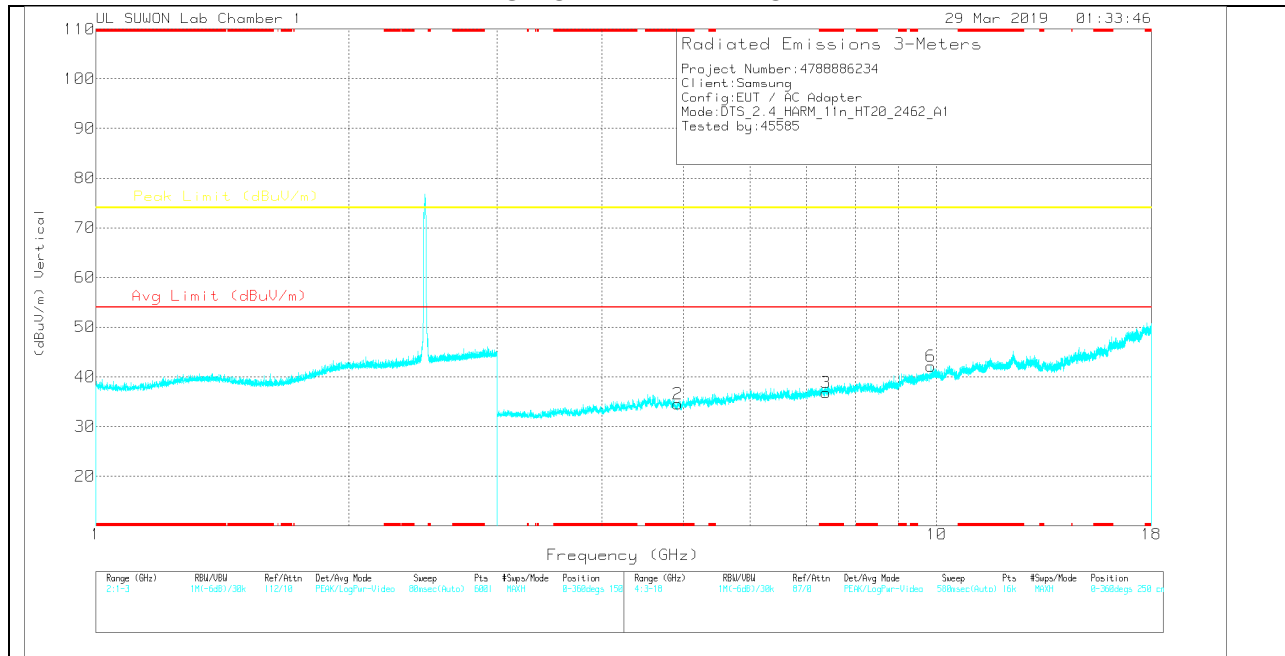
PK – Peak Detector

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

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_00168/17	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	* 4.923	31.93	PK	34.2	-31.6	0	34.53	-	-	74	-39.47	0-360	150	H
4	* 7.386	28.53	PK	35.8	-27	0	37.33	-	-	74	-36.67	0-360	250	H
5	9.85	26.59	PK	37.4	-23.2	0	40.79	-	-	74	-33.21	0-360	250	H
2	* 4.926	31.88	PK	34.2	-31.5	0	34.58	-	-	74	-39.42	0-360	150	V
3	* 7.386	28.02	PK	35.8	-27	0	36.82	-	-	74	-37.18	0-360	150	V
6	9.848	27.89	PK	37.4	-23.2	0	42.09	-	-	74	-31.91	0-360	150	V

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

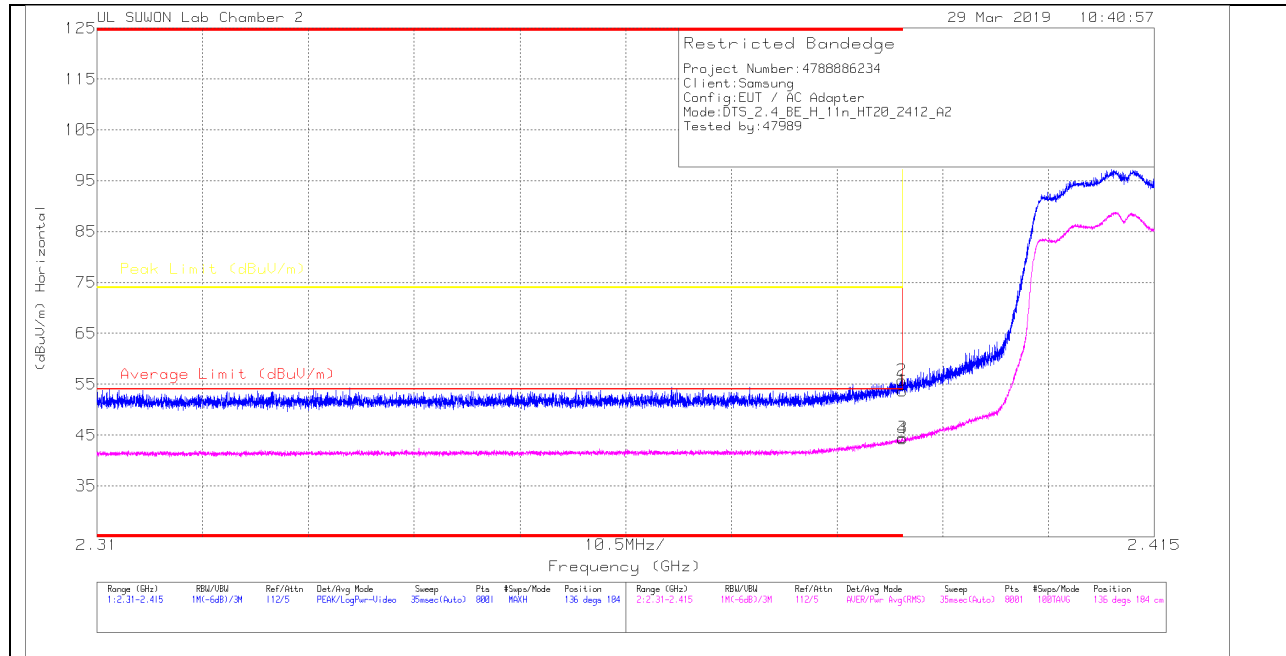
PK – Peak Detector

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

11.2.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND ANTENNA2

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

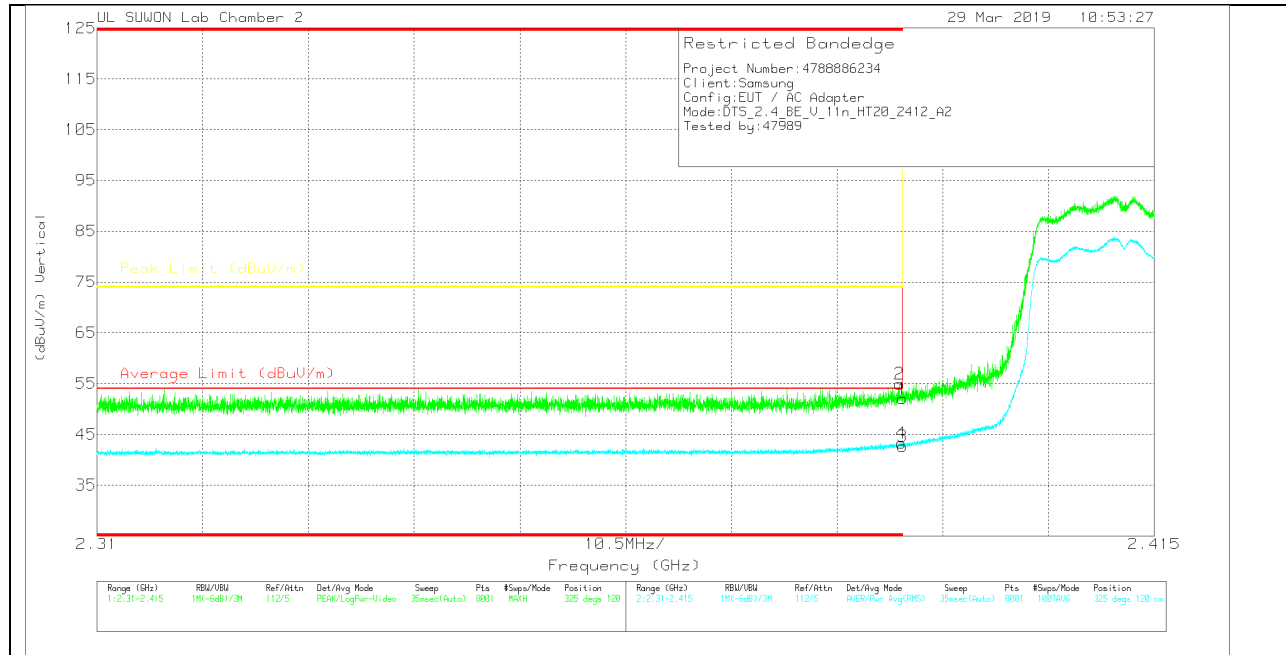
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	42.93	Pk	31.6	-20.8	0	53.73	-	-	74	-20.27	136	184	H
2	* 2.39	45.02	Pk	31.6	-20.8	0	55.82	-	-	74	-18.18	136	184	H
3	* 2.39	33.77	RMS	31.6	-20.8	0	44.57	54	-9.43	-	-	136	184	H
4	* 2.39	33.52	RMS	31.6	-20.8	0	44.32	54	-9.68	-	-	136	184	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	41.22	Pk	31.6	-20.8	0	52.02	-	-	74	-21.98	325	120	V
2	* 2.39	44.16	Pk	31.6	-20.8	0	54.96	-	-	74	-19.04	325	120	V
3	* 2.39	31.81	RMS	31.6	-20.8	0	42.61	54	-11.39	-	-	325	120	V
4	* 2.39	32.44	RMS	31.6	-20.8	0	43.24	54	-10.76	-	-	325	120	V

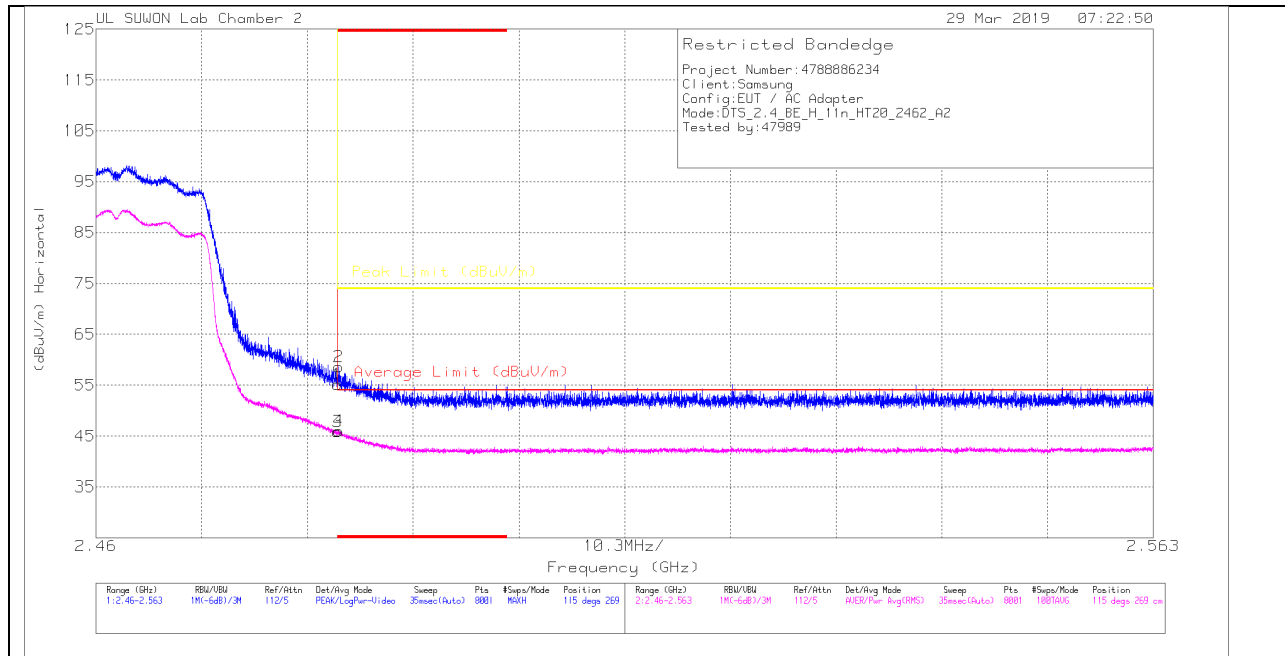
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

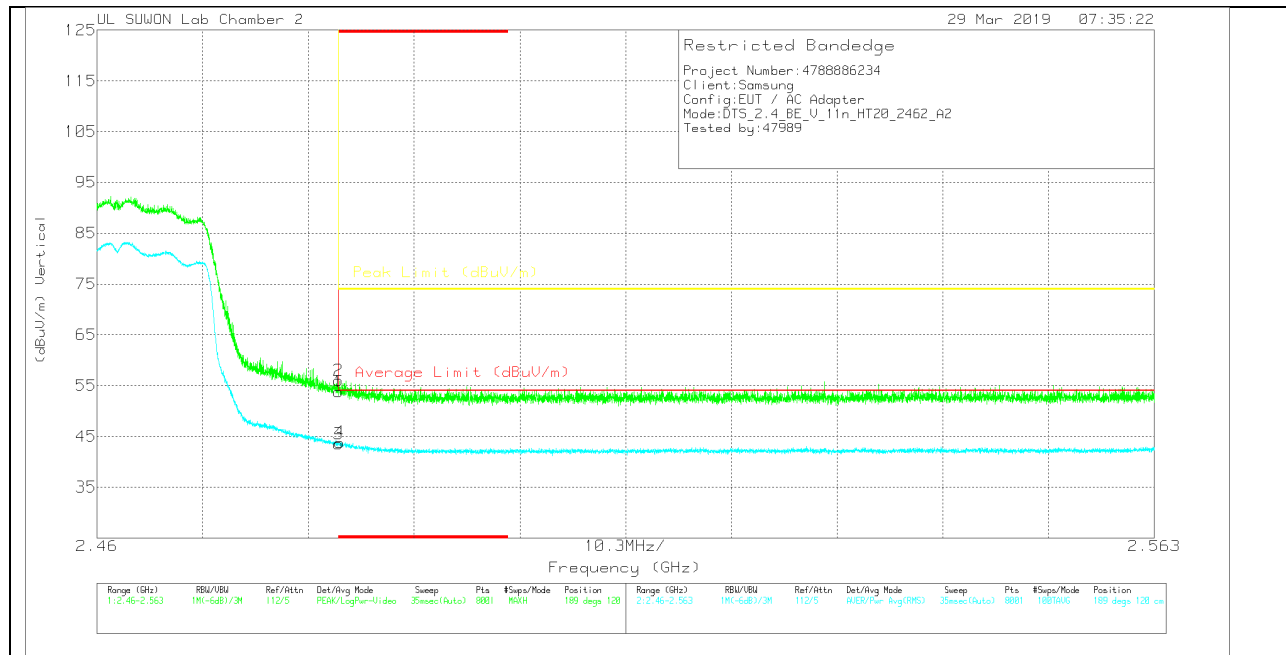
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.82	Pk	31.9	-20.6	0	55.12	-	-	74	-18.88	115	269	H
2	* 2.484	47.3	Pk	31.9	-20.6	0	58.6	-	-	74	-15.4	115	269	H
3	* 2.484	34.62	RMS	31.9	-20.6	0	45.92	54	-8.08	-	-	115	269	H
4	* 2.484	34.74	RMS	31.9	-20.6	0	46.04	54	-7.96	-	-	115	269	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.52	Pk	31.9	-20.6	0	53.82	-	-	74	-20.18	189	120	V
2	* 2.484	44.72	Pk	31.9	-20.6	0	56.02	-	-	74	-17.98	189	120	V
3	* 2.484	32.2	RMS	31.9	-20.6	0	43.5	54	-10.5	-	-	189	120	V
4	* 2.484	32.53	RMS	31.9	-20.6	0	43.83	54	-10.17	-	-	189	120	V

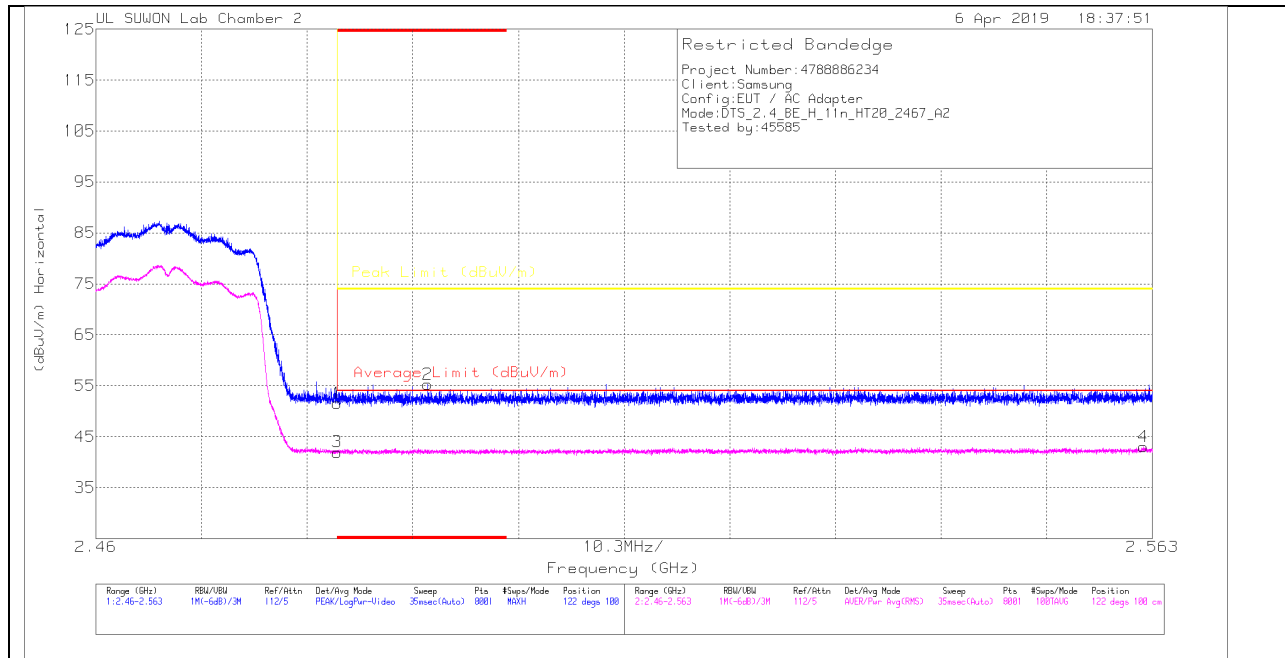
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

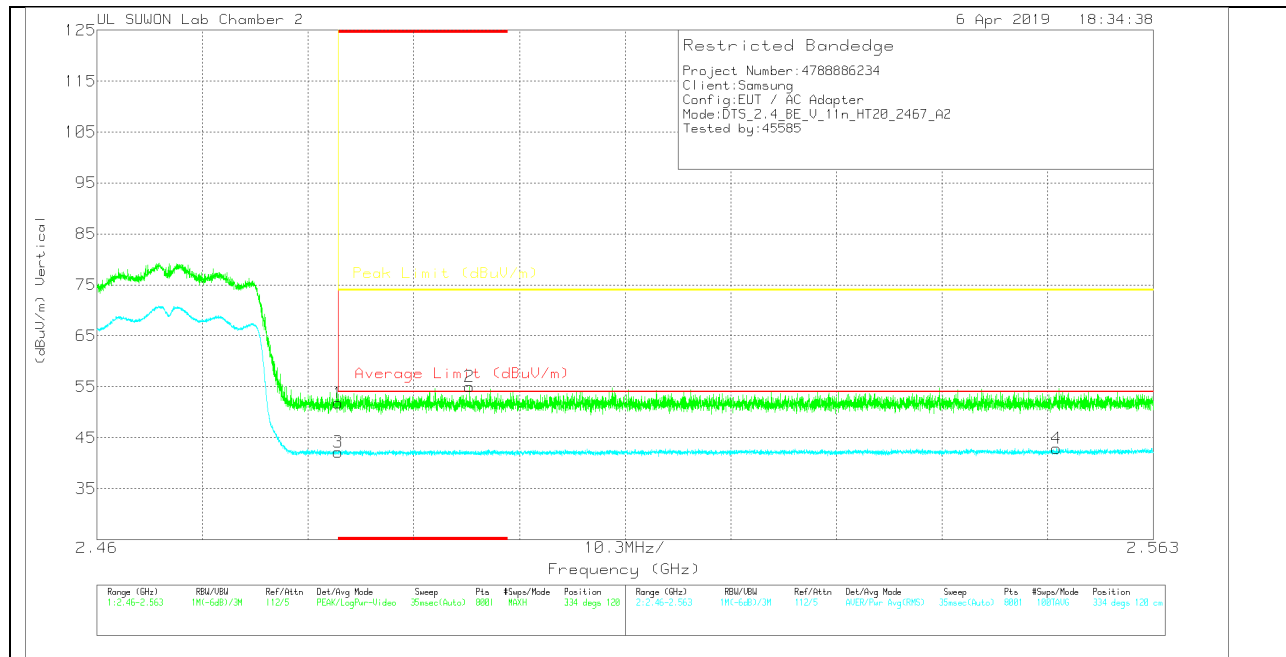
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.32	Pk	31.9	-20.6	0	51.62	-	-	74	-22.38	122	100	H
2	* 2.492	43.99	Pk	31.9	-20.6	0	55.29	-	-	74	-18.71	122	100	H
3	* 2.484	30.68	RMS	31.9	-20.6	0	41.98	54	-12.02	-	-	122	100	H
4	2.562	31.28	RMS	32	-20.3	0	42.98	54	-11.02	-	-	122	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	40.51	Pk	31.9	-20.6	0	51.81	-	-	74	-22.19	334	120	V
2	* 2.496	43.76	Pk	31.9	-20.6	0	55.06	-	-	74	-18.94	334	120	V
3	* 2.484	30.84	RMS	31.9	-20.6	0	42.14	54	-11.86	-	-	334	120	V
4	2.554	31.38	RMS	32	-20.5	0	42.88	54	-11.12	-	-	334	120	V

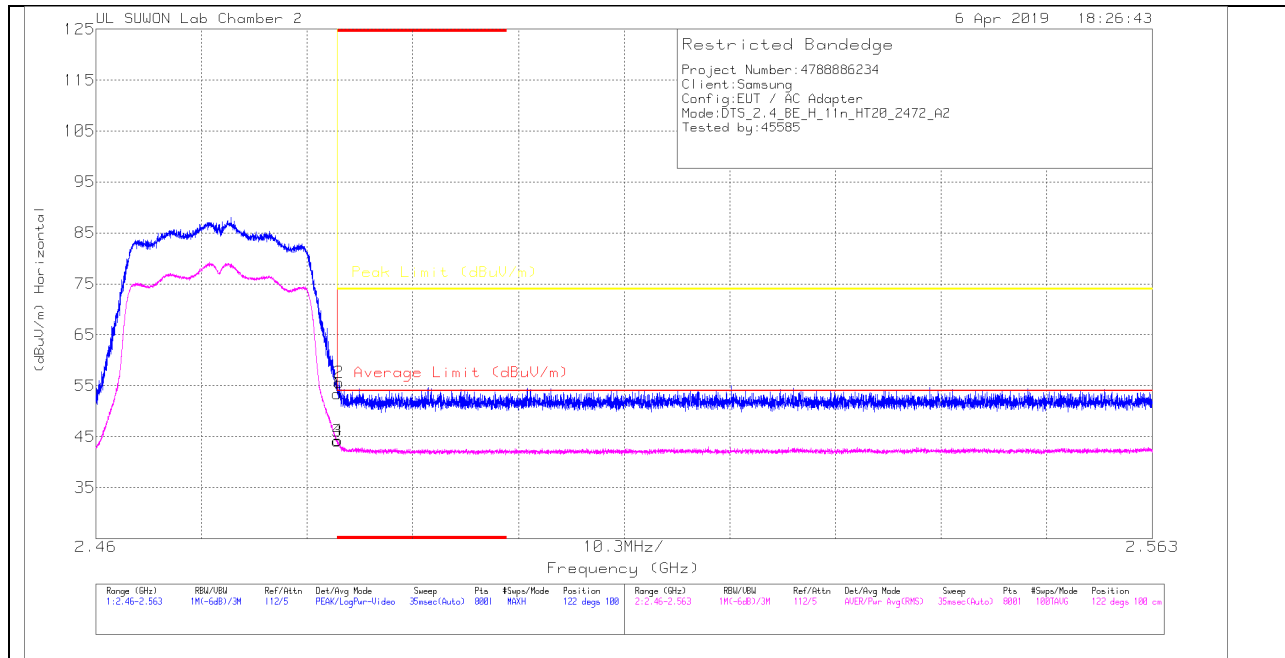
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

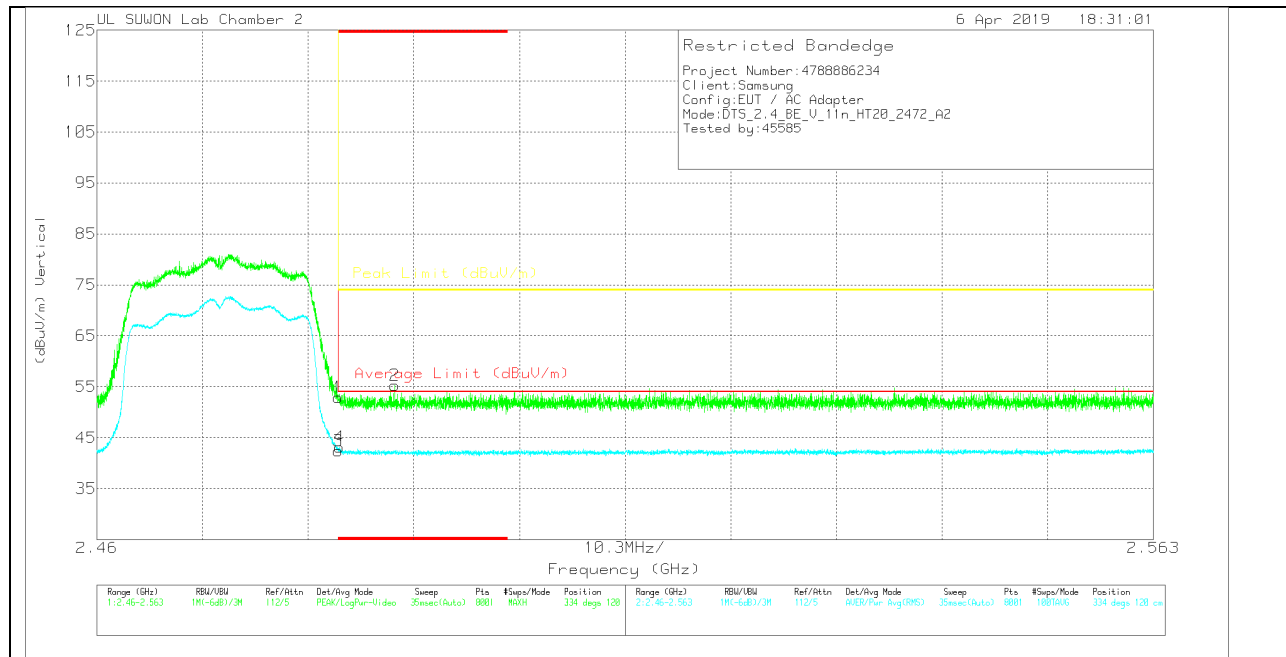
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.15	Pk	31.9	-20.6	0	53.45	-	-	74	-20.55	122	100	H
2	* 2.484	44.31	Pk	31.9	-20.6	0	55.61	-	-	74	-18.39	122	100	H
3	* 2.484	32.84	RMS	31.9	-20.6	0	44.14	54	-9.86	-	-	122	100	H
4	* 2.484	32.95	RMS	31.9	-20.6	0	44.25	54	-9.75	-	-	122	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.68	Pk	31.9	-20.6	0	52.98	-	-	74	-21.02	334	120	V
2	* 2.489	43.94	Pk	31.9	-20.6	0	55.24	-	-	74	-18.76	334	120	V
3	* 2.484	31.16	RMS	31.9	-20.6	0	42.46	54	-11.54	-	-	334	120	V
4	* 2.484	31.8	RMS	31.9	-20.6	0	43.1	54	-10.9	-	-	334	120	V

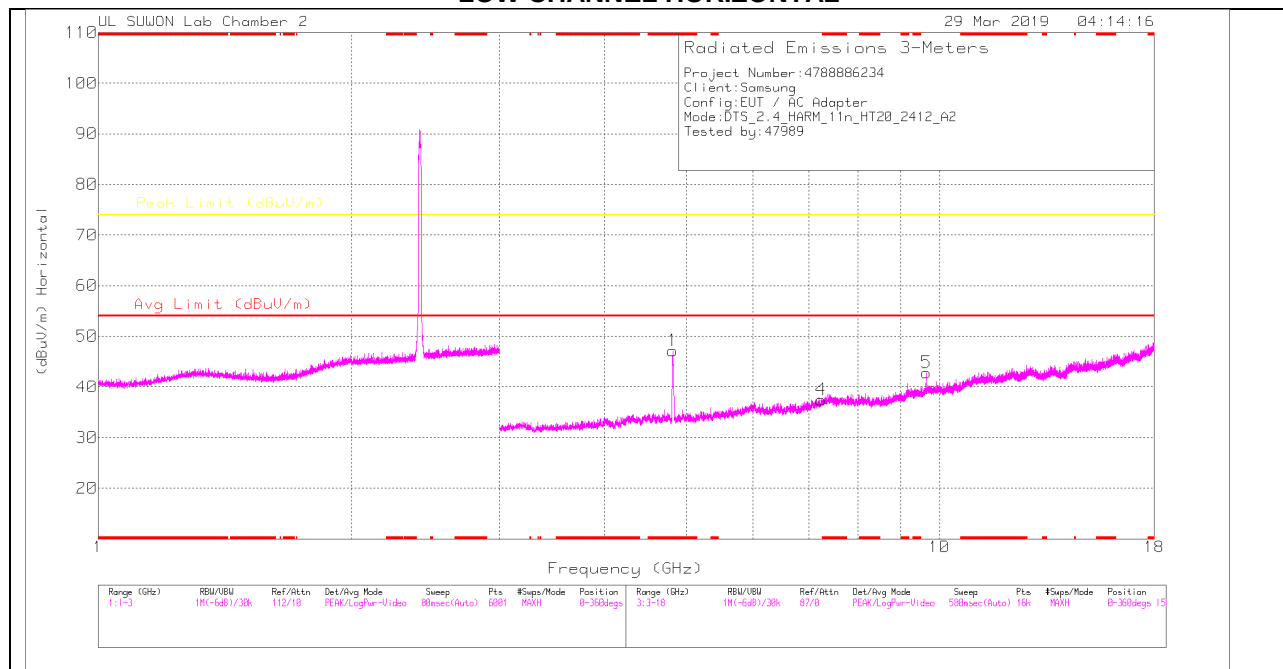
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

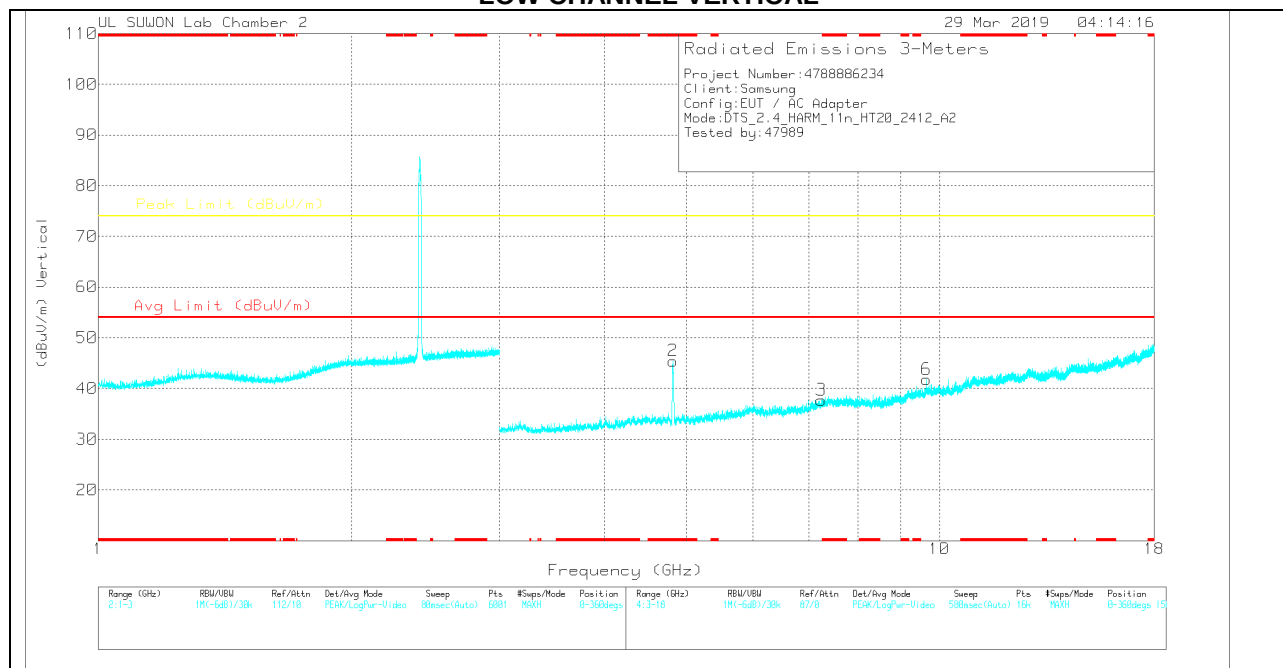
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 4.82	41.29	PK	34	-28.1	0	47.19	-	-	74	-26.81	0-360	150	H
4	7.234	26.88	PK	36.1	-25.5	0	37.48	-	-	74	-36.52	0-360	150	H
5	9.648	27.42	PK	37	-21.6	0	42.82	-	-	74	-31.18	0-360	250	H
2	* 4.824	39.55	PK	34	-28.1	0	45.45	-	-	74	-28.55	0-360	150	V
3	7.235	27.12	PK	36.1	-25.5	0	37.72	-	-	74	-36.28	0-360	150	V
6	9.648	26.4	PK	37	-21.6	0	41.8	-	-	74	-32.2	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

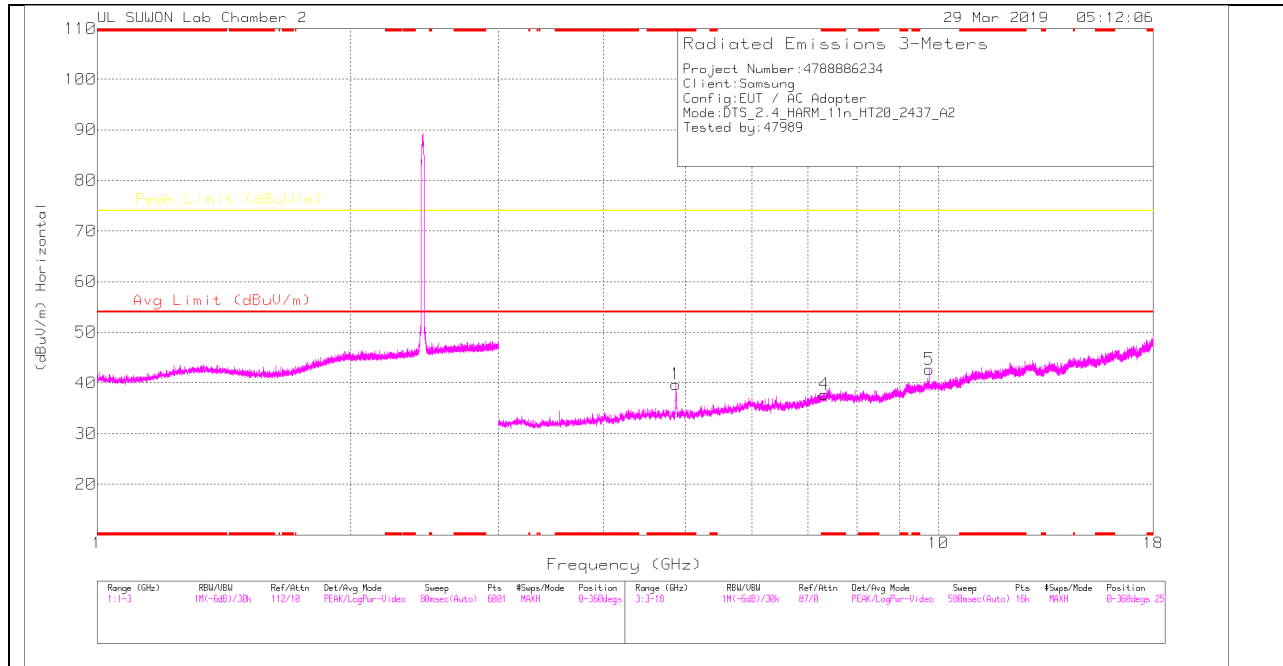
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 4.822	52.99	PK2	34	-28.2	0	58.79	-	-	74	-15.21	57	140	H
* 4.824	38.54	MAv1	34	-28.1	0	44.44	54	-9.56	-	-	57	140	H
* 4.824	52.76	PK2	34	-28.1	0	58.66	-	-	74	-15.34	92	106	V
* 4.823	37.4	MAv1	34	-28.2	0	43.2	54	-10.8	-	-	92	106	V
9.648	33.95	PK2	37	-21.6	0	49.35	-	-	74	-24.65	151	112	V
9.648	34.6	PK2	37	-21.6	0	50	-	-	74	-24	233	164	H

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

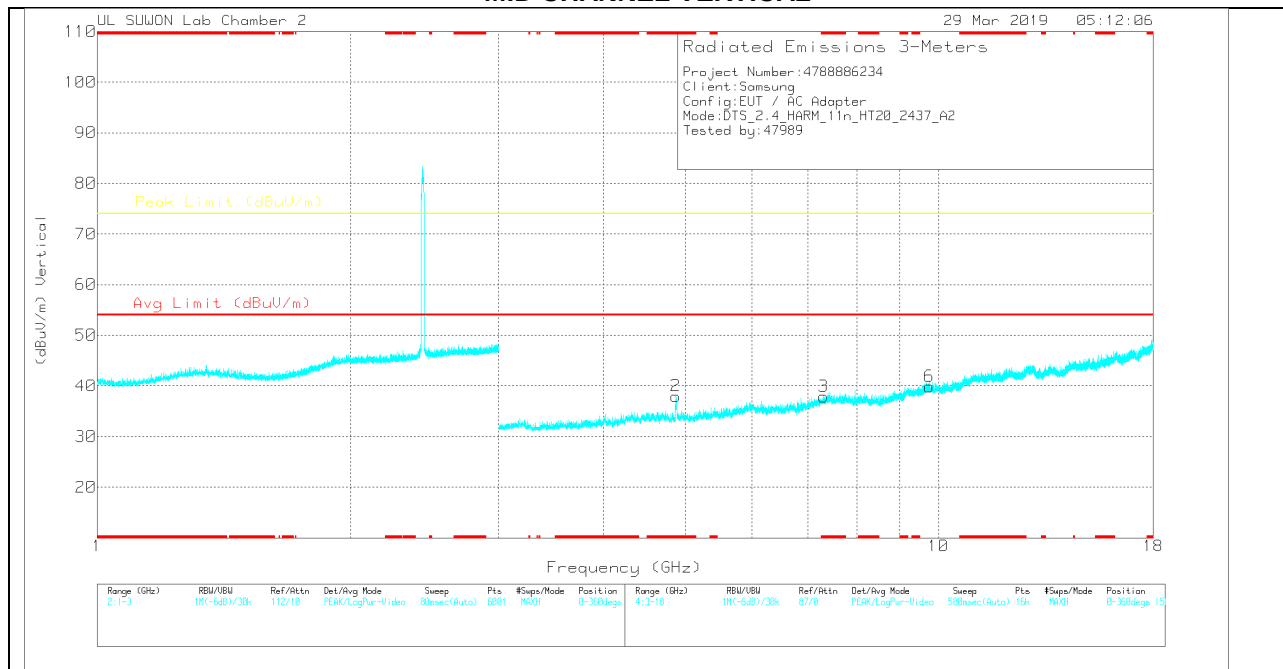
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168724	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	* 4.875	33.73	PK	34	-28	0	39.73	-	-	74	-34.27	0-360	150	H
4	* 7.312	26.53	PK	36.2	-25	0	37.73	-	-	74	-36.27	0-360	250	H
5	9.748	26.89	PK	37.2	-21.4	0	42.69	-	-	74	-31.31	0-360	150	H
2	* 4.875	31.99	PK	34	-28	0	37.99	-	-	74	-36.01	0-360	150	V
3	* 7.308	26.69	PK	36.2	-25	0	37.89	-	-	74	-36.11	0-360	150	V
6	9.751	24.18	PK	37.2	-21.5	0	39.88	-	-	74	-34.12	0-360	150	V

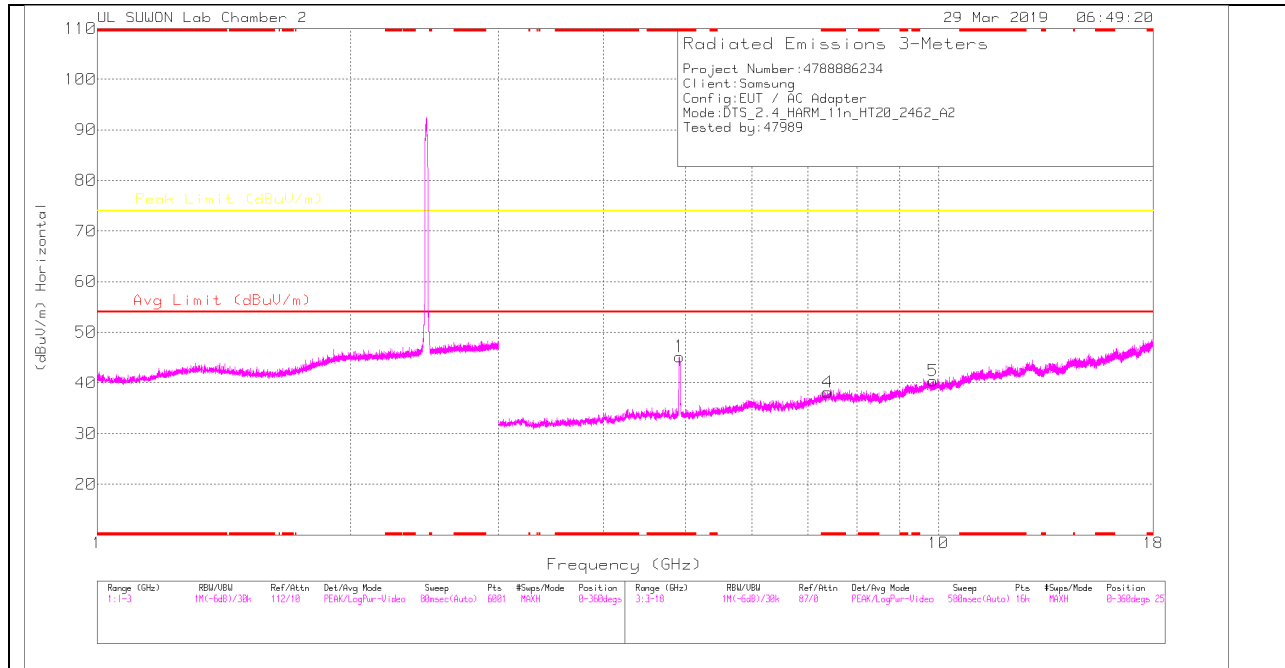
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

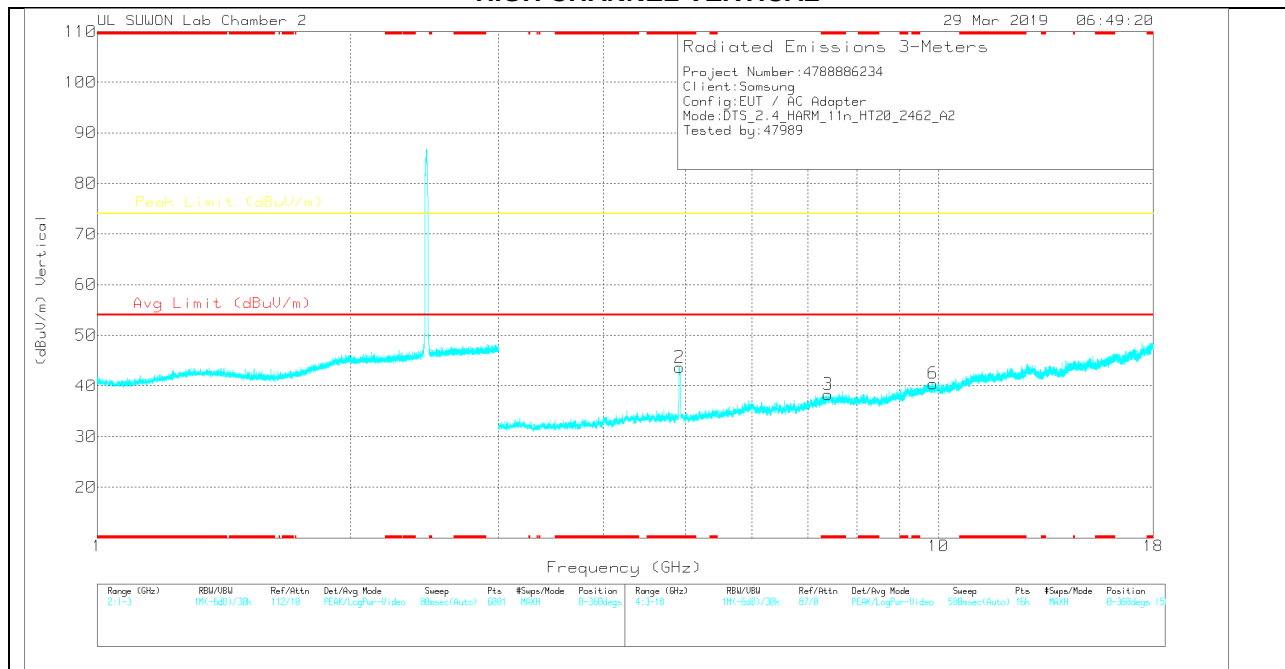
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.875	43.98	PK2	34	-28	0	49.98	-	-	74	-24.02	128	108	H
* 4.874	30.77	MAv1	34	-28	0	36.77	54	-17.23	-	-	128	108	H
* 4.876	43.6	PK2	34	-27.9	0	49.7	-	-	74	-24.3	91	102	V
* 4.877	30.61	MAv1	34	-27.9	0	36.71	54	-17.29	-	-	91	102	V
9.748	33.61	PK2	37.2	-21.4	0	49.41	-	-	74	-24.59	141	146	V
9.748	34.4	PK2	37.2	-21.4	0	50.2	-	-	74	-23.8	234	151	H

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168724	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	* 4.923	38.48	PK	34	-27.3	0	45.18	-	-	74	-28.82	0-360	150	H
4	* 7.384	26.28	PK	36.2	-24.3	0	38.18	-	-	74	-35.82	0-360	150	H
5	9.848	24.93	PK	37.3	-21.8	0	40.43	-	-	74	-33.57	0-360	150	H
2	* 4.923	36.98	PK	34	-27.3	0	43.68	-	-	74	-30.32	0-360	150	V
3	* 7.394	26.34	PK	36.2	-24.2	0	38.34	-	-	74	-35.66	0-360	250	V
6	9.848	24.98	PK	37.3	-21.8	0	40.48	-	-	74	-33.52	0-360	250	V

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

Radiated Emissions

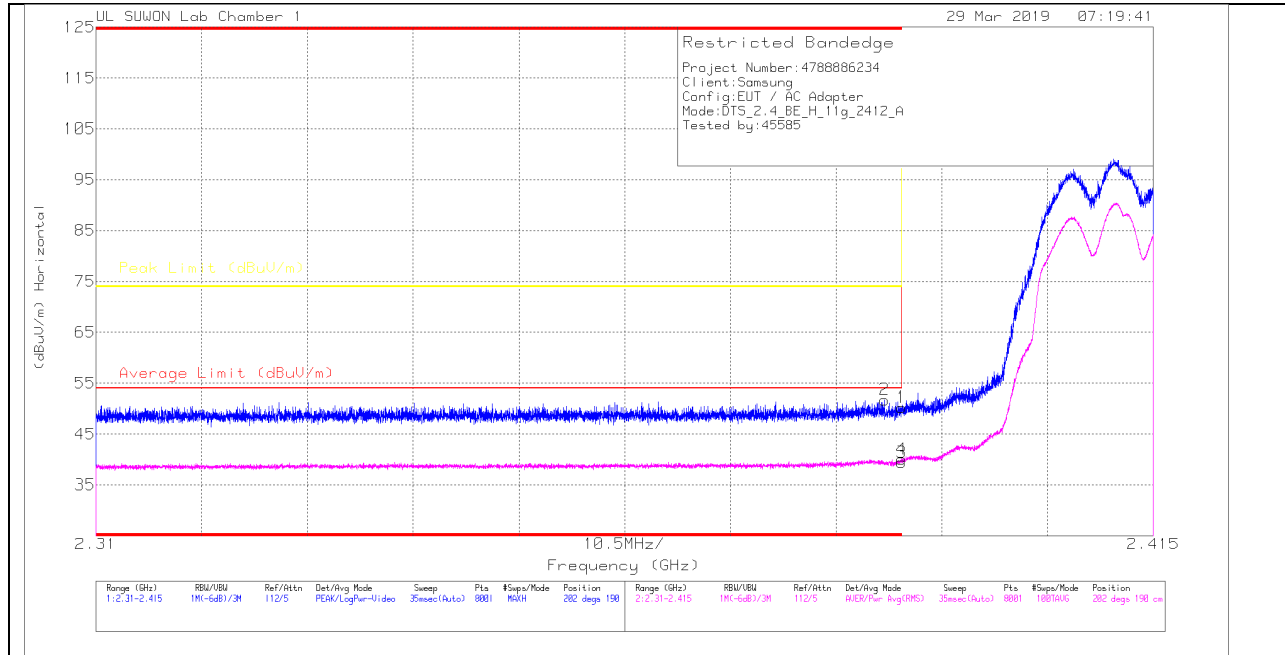
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.924	51.87	PK2	34	-27.3	0	58.57	-	-	74	-15.43	58	169	H
* 4.924	36.7	MAv1	34	-27.3	0	43.4	54	-10.6	-	-	58	169	H
* 4.922	50.76	PK2	34	-27.3	0	57.46	-	-	74	-16.54	89	124	V
* 4.923	35.64	MAv1	34	-27.3	0	42.34	54	-11.66	-	-	89	124	V

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

11.2.7. 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

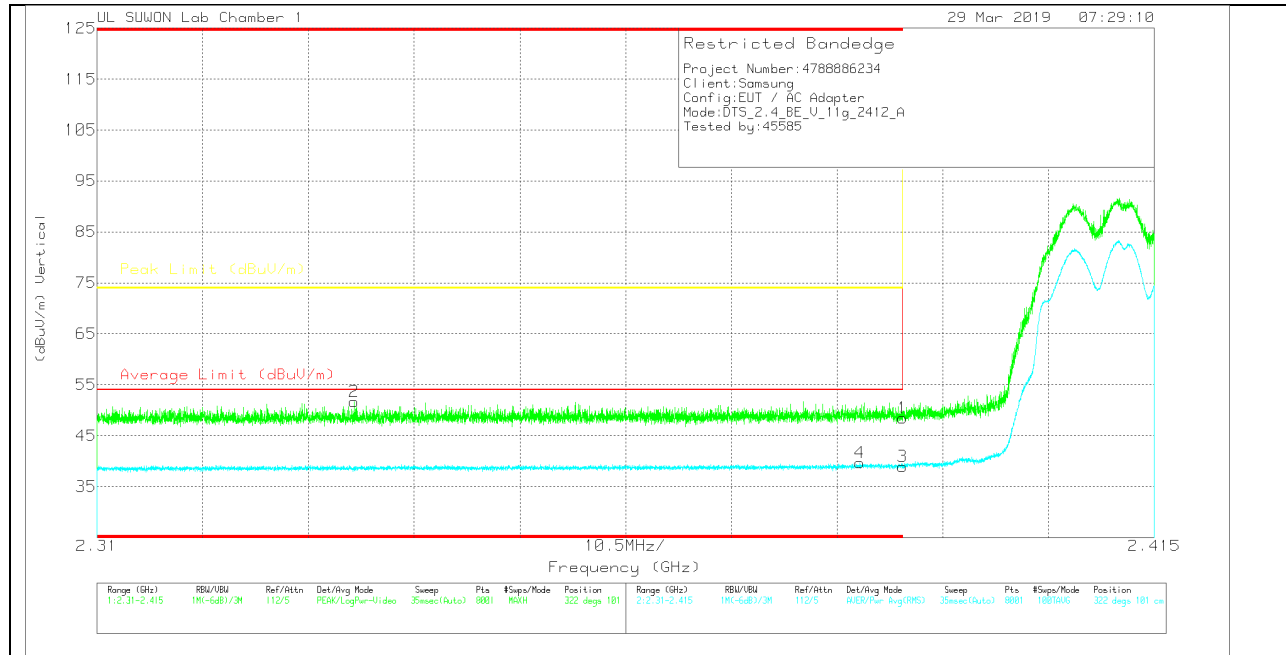
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.06	Pk	31.7	-25.5	0	50.26	-	-	74	-23.74	202	190	H
2	* 2.388	45.55	Pk	31.7	-25.5	0	51.75	-	-	74	-22.25	202	190	H
3	* 2.39	33.27	RMS	31.7	-25.5	0	39.47	54	-14.53	-	-	202	190	H
4	* 2.39	33.87	RMS	31.7	-25.5	0	40.07	54	-13.93	-	-	202	190	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	42.3	Pk	31.7	-25.5	0	48.5	-	-	74	-25.5	322	101	V
2	* 2.336	45.88	Pk	31.5	-25.7	0	51.68	-	-	74	-22.32	322	101	V
3	* 2.39	32.76	RMS	31.7	-25.5	0	38.96	54	-15.04	-	-	322	101	V
4	* 2.386	33.44	RMS	31.7	-25.5	0	39.64	54	-14.36	-	-	322	101	V

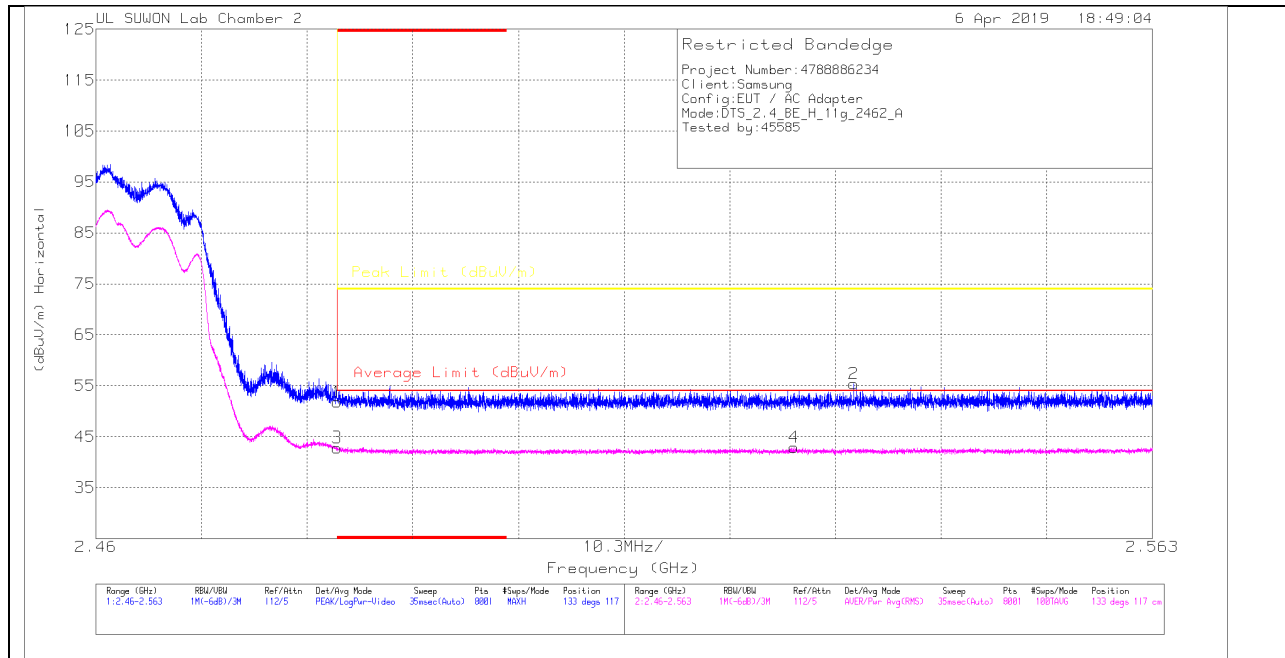
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

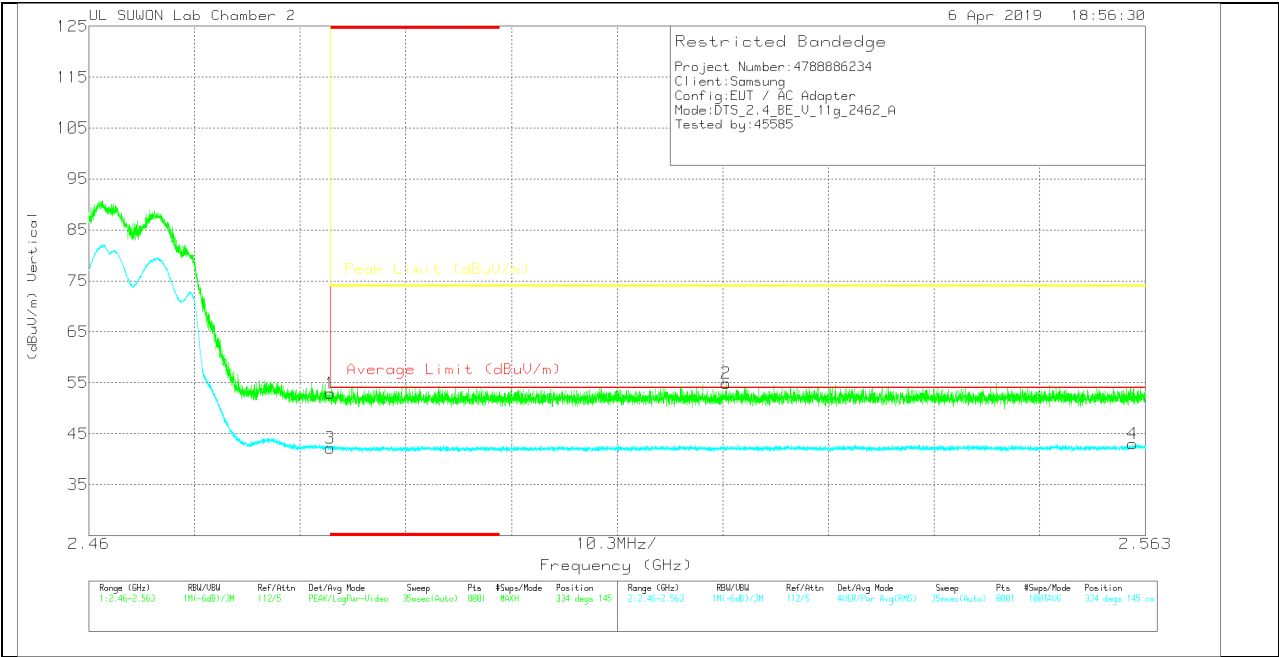
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.48	Pk	31.9	-20.6	0	51.78	-	-	74	-22.22	133	117	H
2	2.534	43.85	Pk	32	-20.5	0	55.35	-	-	74	-18.65	133	117	H
3	* 2.484	31.54	RMS	31.9	-20.6	0	42.84	54	-11.16	-	-	133	117	H
4	2.528	31.41	RMS	32	-20.5	0	42.91	54	-11.09	-	-	133	117	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	41.67	Pk	31.9	-20.6	0	52.97	-	-	74	-21.03	334	145	V
2	2.522	43.54	Pk	31.9	-20.5	0	54.94	-	-	74	-19.06	334	145	V
3	* 2.484	30.89	RMS	31.9	-20.6	0	42.19	54	-11.81	-	-	334	145	V
4	2.562	31.44	RMS	32	-20.4	0	43.04	54	-10.96	-	-	334	145	V

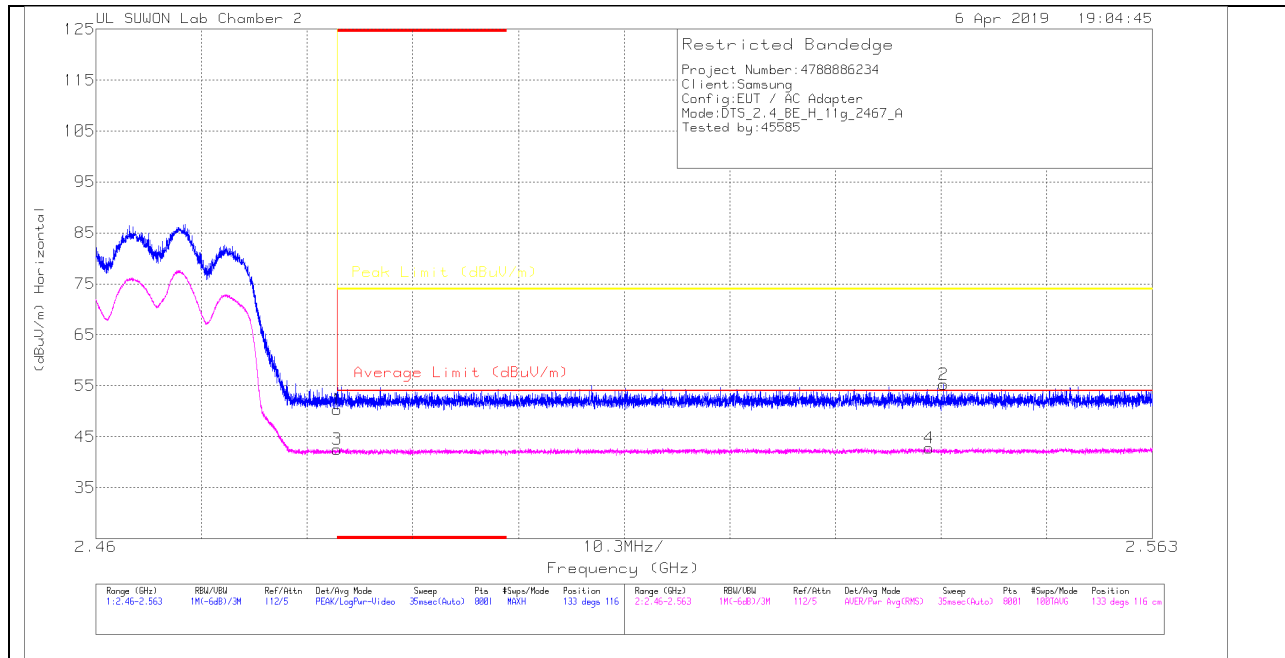
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

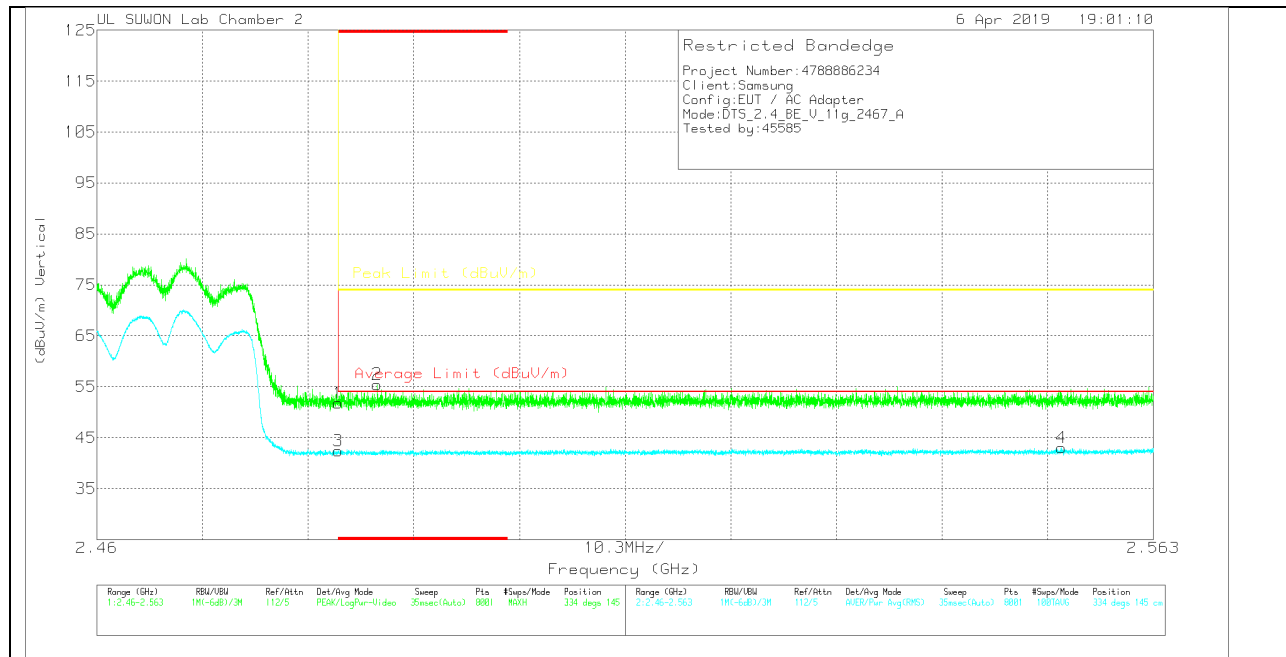
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.98	Pk	31.9	-20.6	0	50.28	-	-	74	-23.72	133	116	H
2	2.543	43.74	Pk	32	-20.5	0	55.24	-	-	74	-18.76	133	116	H
3	* 2.484	31.22	RMS	31.9	-20.6	0	42.52	54	-11.48	-	-	133	116	H
4	2.541	31.3	RMS	32	-20.5	0	42.8	54	-11.2	-	-	133	116	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	40.53	Pk	31.9	-20.6	0	51.83	-	-	74	-22.17	334	145	V
2	* 2.487	44.26	Pk	31.9	-20.7	0	55.46	-	-	74	-18.54	334	145	V
3	* 2.484	31.09	RMS	31.9	-20.6	0	42.39	54	-11.61	-	-	334	145	V
4	2.554	31.45	RMS	32	-20.4	0	43.05	54	-10.95	-	-	334	145	V

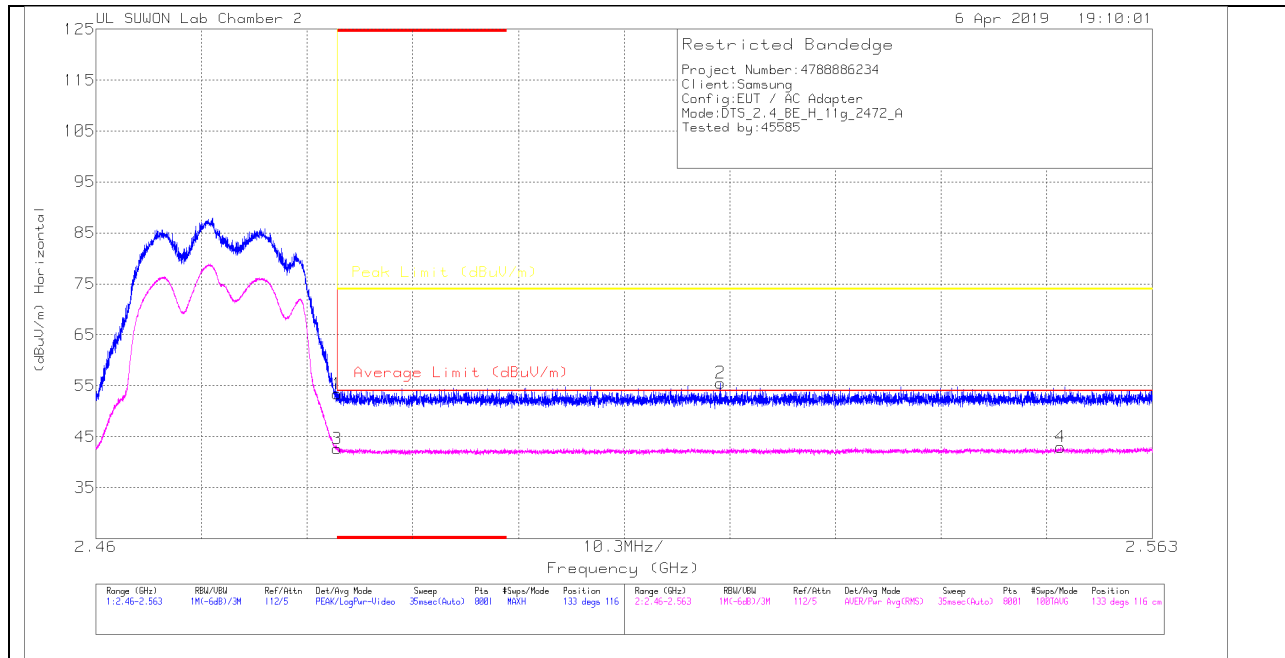
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

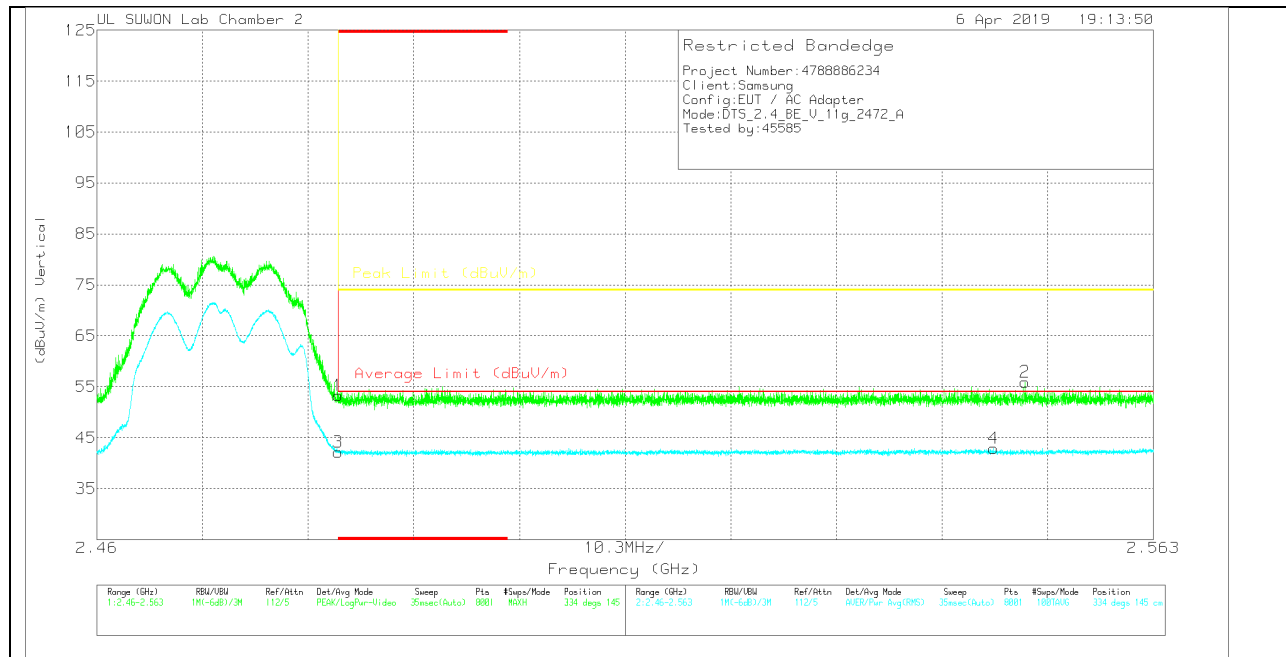
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.07	Pk	31.9	-20.6	0	53.37	-	-	74	-20.63	133	116	H
2	2.521	44.28	Pk	31.9	-20.6	0	55.58	-	-	74	-18.42	133	116	H
3	* 2.484	31.33	RMS	31.9	-20.6	0	42.63	54	-11.37	-	-	133	116	H
4	2.554	31.37	RMS	32	-20.4	0	42.97	54	-11.03	-	-	133	116	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	41.96	Pk	31.9	-20.6	0	53.26	-	-	74	-20.74	334	145	V
2	2.551	44.45	Pk	32	-20.5	0	55.95	-	-	74	-18.05	334	145	V
3	* 2.484	30.84	RMS	31.9	-20.6	0	42.14	54	-11.86	-	-	334	145	V
4	2.547	31.4	RMS	32	-20.5	0	42.9	54	-11.1	-	-	334	145	V

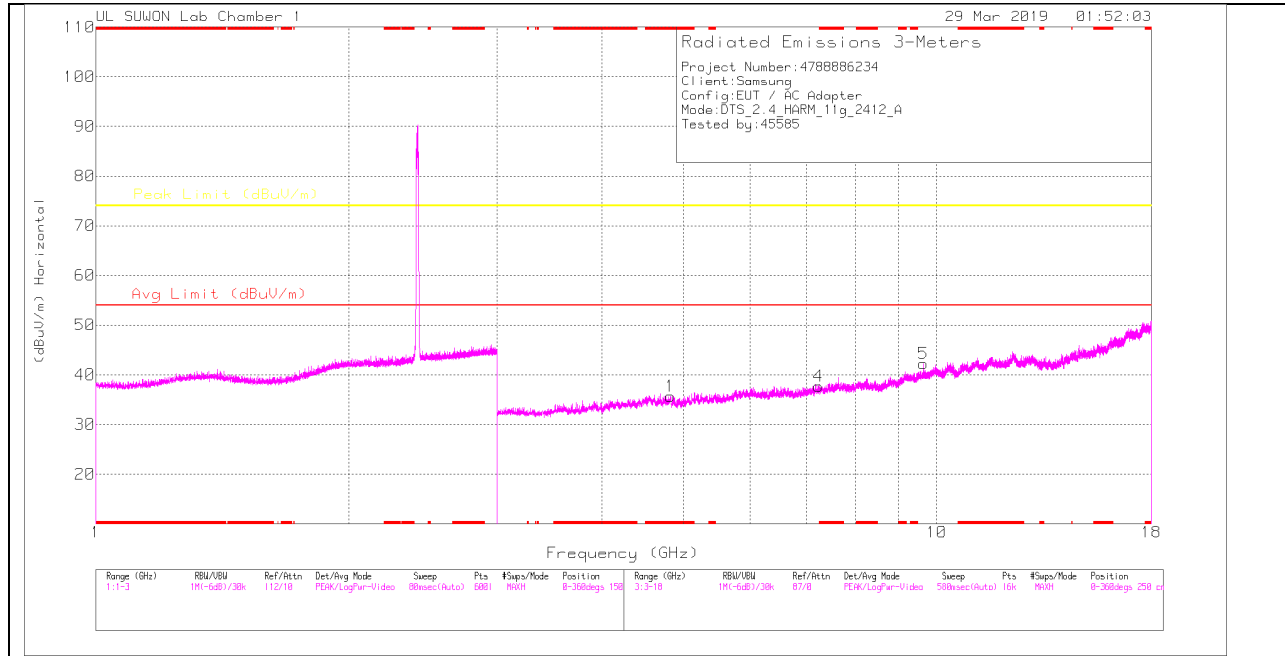
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

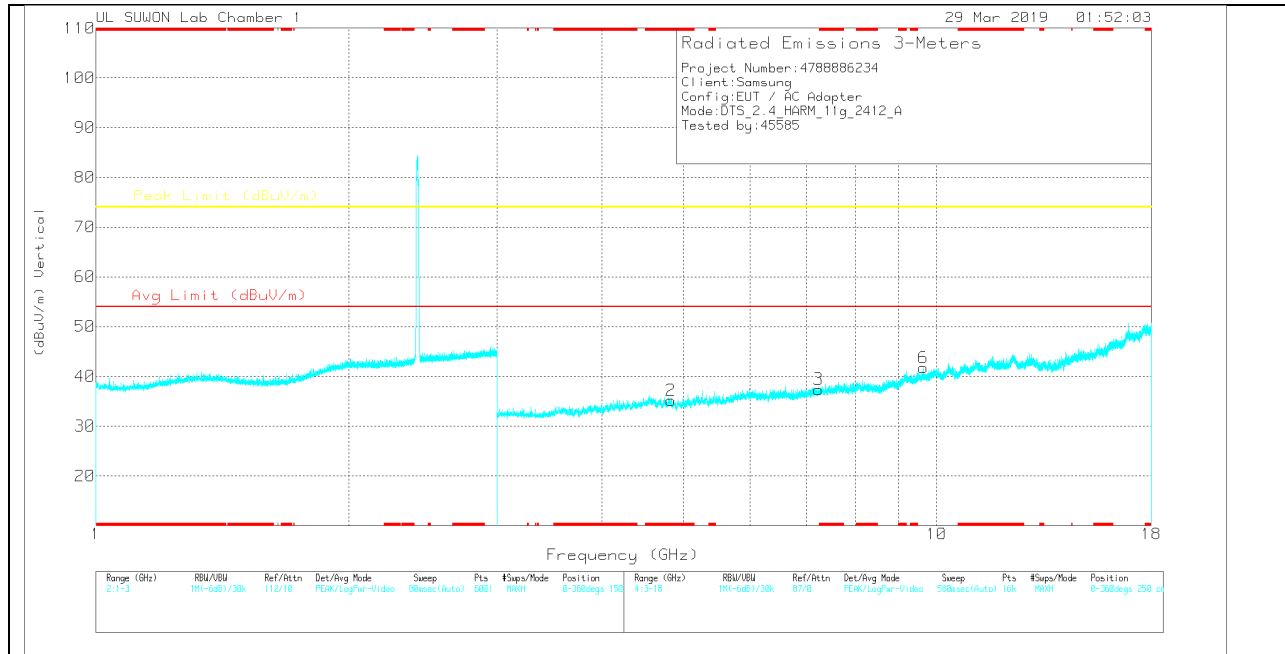
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168717	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	* 4.823	32.89	PK	34.2	-31.4	0	35.69	-	-	74	-38.31	0-360	250	H
4	7.235	29.69	PK	35.8	-27.8	0	37.69	-	-	74	-36.31	0-360	250	H
5	9.647	28.5	PK	37.1	-23.3	0	42.3	-	-	74	-31.7	0-360	250	H
2	* 4.826	32.25	PK	34.2	-31.3	0	35.15	-	-	74	-38.85	0-360	150	V
3	7.235	29.39	PK	35.8	-27.8	0	37.39	-	-	74	-36.61	0-360	150	V
6	9.647	27.97	PK	37.1	-23.3	0	41.77	-	-	74	-32.23	0-360	250	V

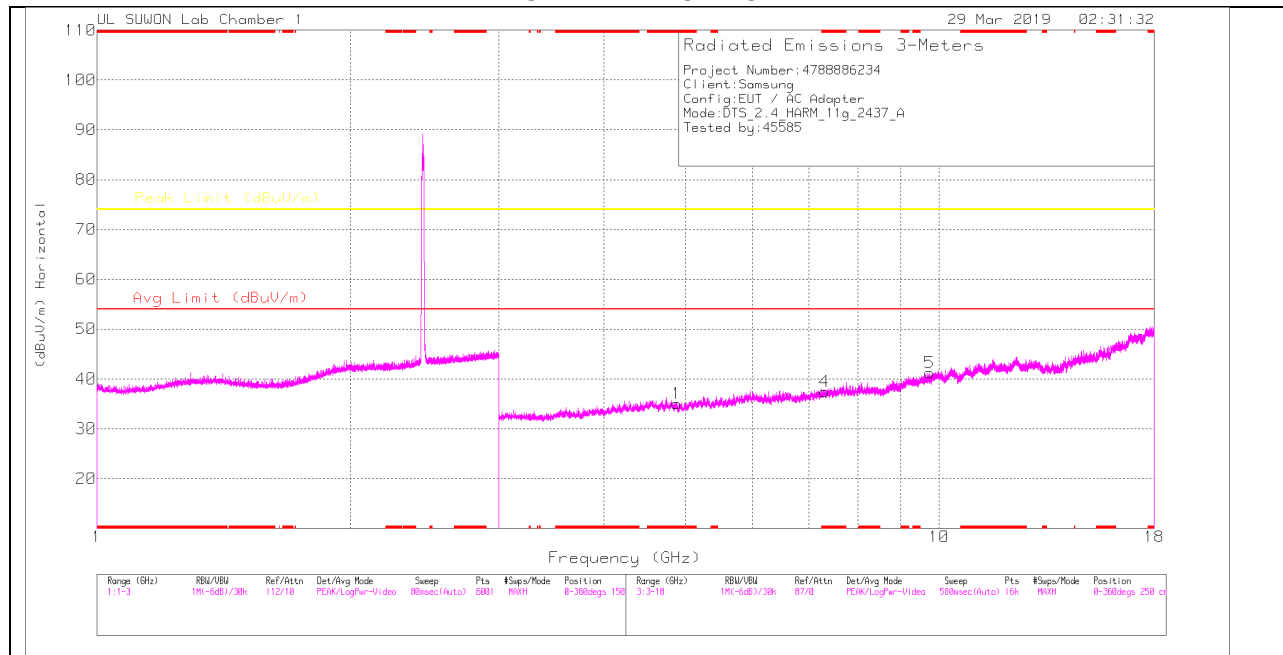
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

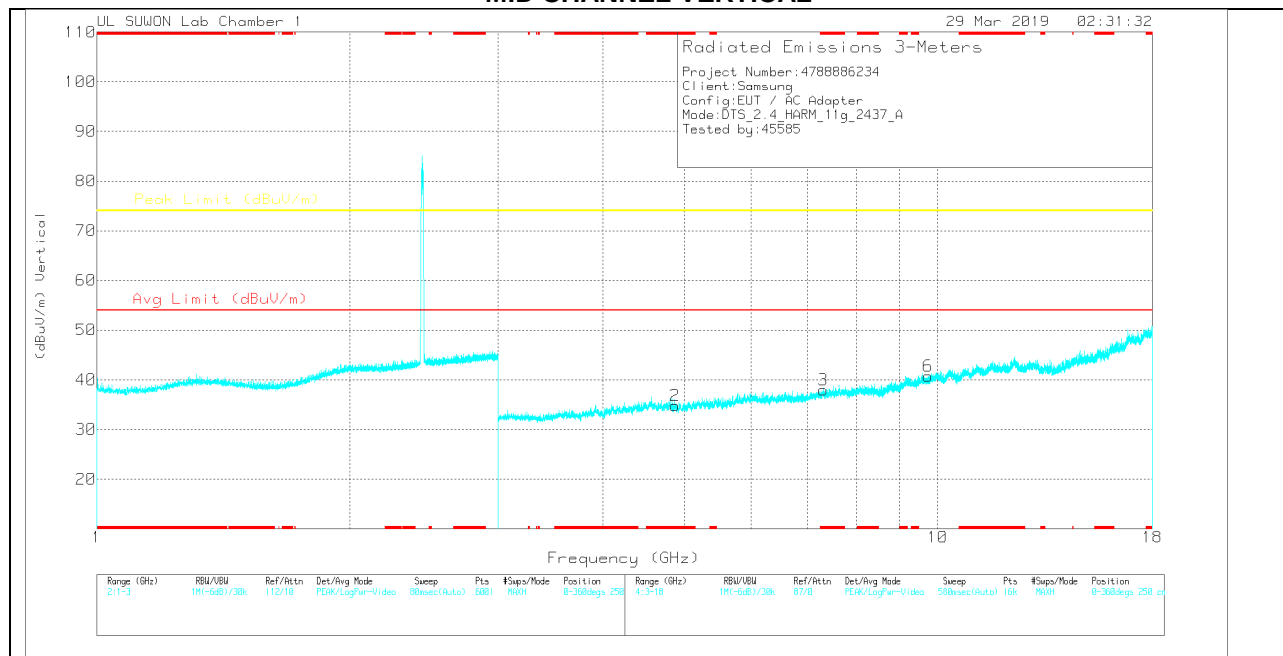
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
9.648	36.38	PK2	37.1	-23.3	0	50.18	-	-	74	-23.82	190	207	H
9.648	36.82	PK2	37.1	-23.3	0	50.62	-	-	74	-23.38	185	221	V

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

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

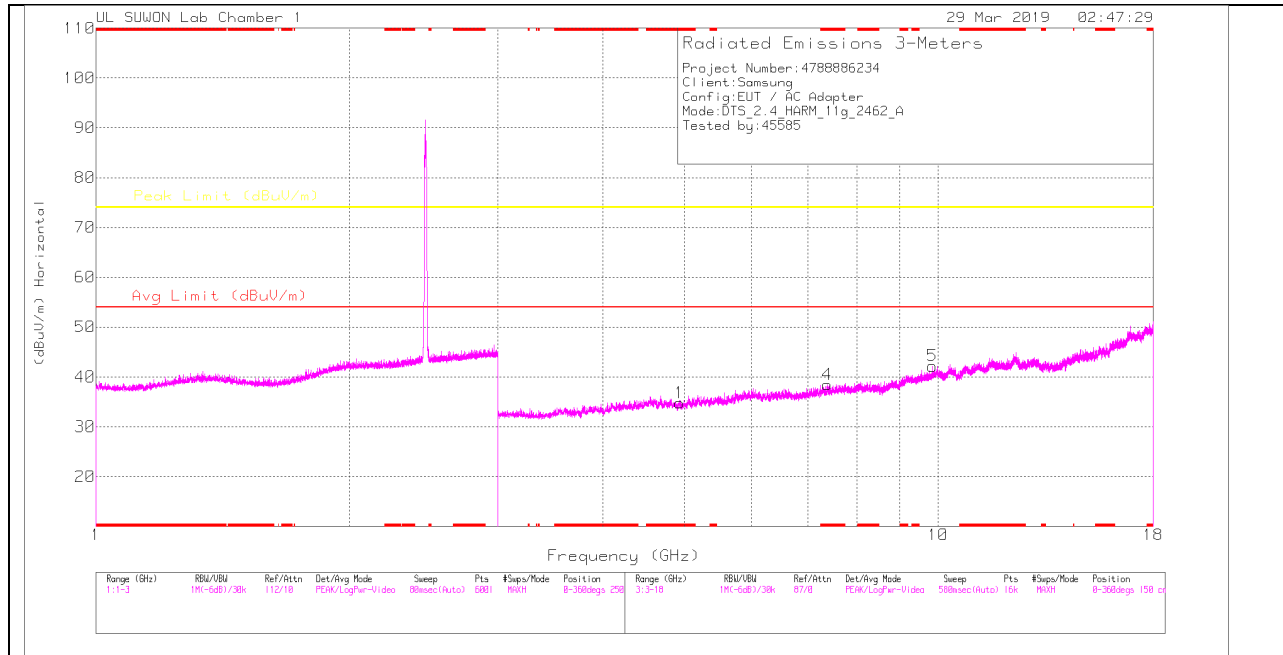
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Aimuth (Degs)	Height (cm)	Polarity
1	* 4.876	32.32	PK	34.2	-31.5	0	35.02	-	-	74	-38.98	0-360	150	H
4	* 7.308	29.1	PK	35.8	-27.4	0	37.5	-	-	74	-36.5	0-360	250	H
5	9.748	27.91	PK	37.2	-23.9	0	41.21	-	-	74	-32.79	0-360	250	H
2	* 4.875	32.13	PK	34.2	-31.5	0	34.83	-	-	74	-39.17	0-360	250	V
3	* 7.308	29.58	PK	35.8	-27.4	0	37.98	-	-	74	-36.02	0-360	250	V
6	9.748	27.39	PK	37.2	-23.9	0	40.69	-	-	74	-33.31	0-360	150	V

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

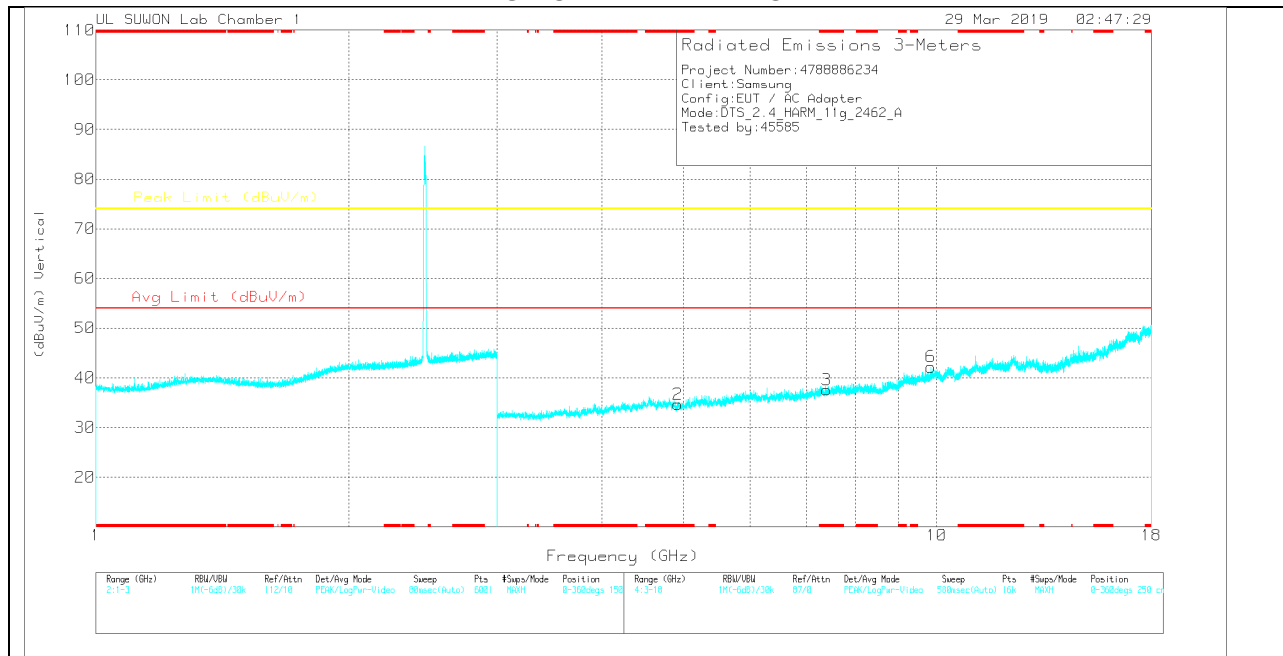
PK – Peak Detector

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168/17	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	* 4.926	32.15	PK	34.2	-31.5	0	34.85	-	-	74	-39.15	0-360	250	H
4	* 7.388	29.63	PK	35.8	-27	0	38.43	-	-	74	-35.57	0-360	150	H
5	9.848	28	PK	37.4	-23.2	0	42.2	-	-	74	-31.8	0-360	150	H
2	* 4.926	31.97	PK	34.2	-31.5	0	34.67	-	-	74	-39.33	0-360	250	V
3	* 7.396	28.72	PK	35.8	-26.9	0	37.62	-	-	74	-36.38	0-360	250	V
6	9.848	28	PK	37.4	-23.2	0	42.2	-	-	74	-31.8	0-360	250	V

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

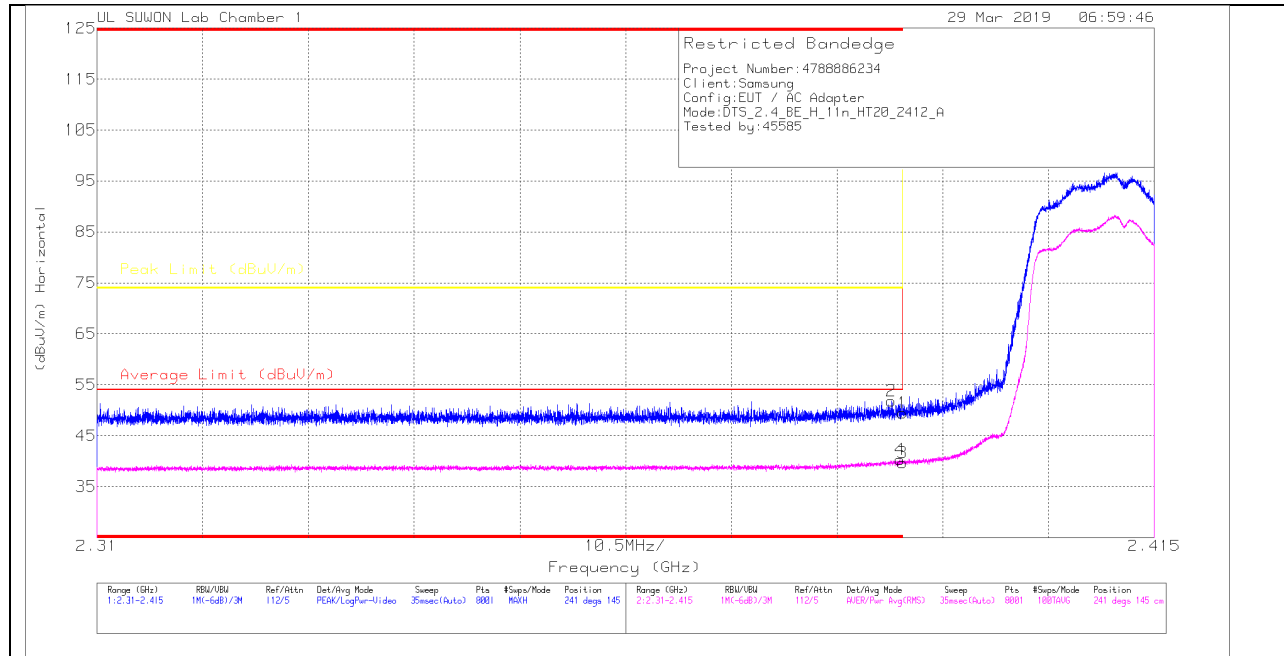
PK – Peak Detector

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

11.2.8. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

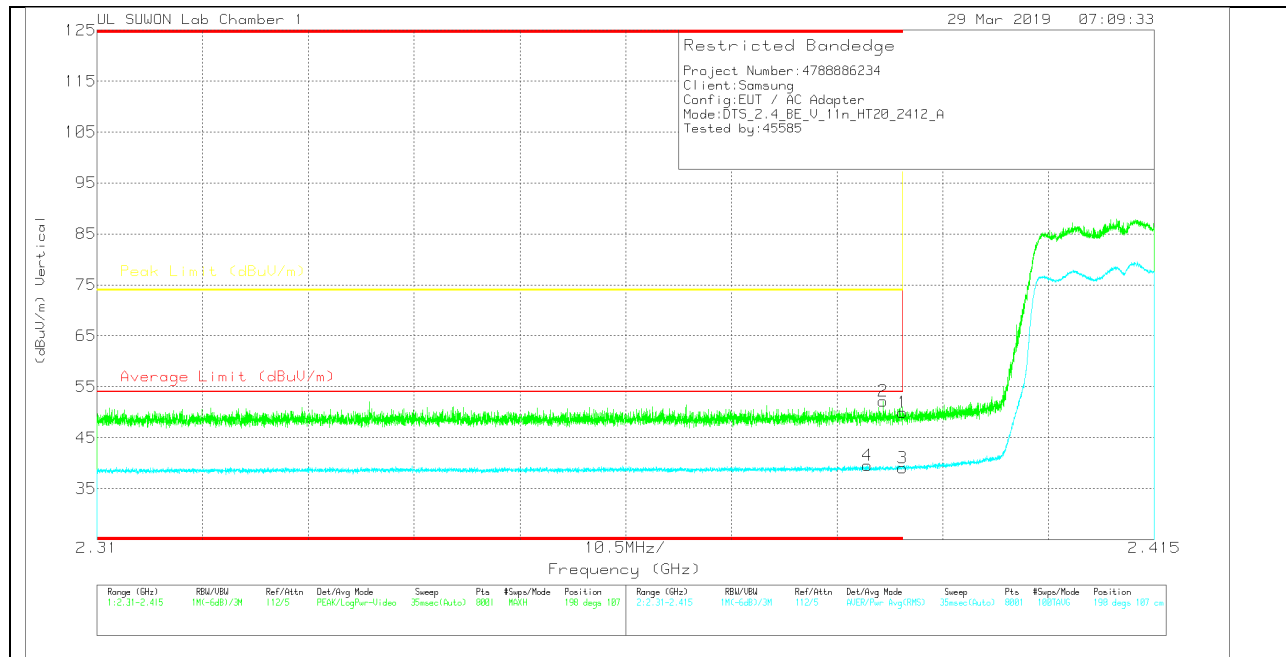
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	43.29	Pk	31.7	-25.5	0	49.49	-	-	74	-24.51	241	145	H
2	* 2.389	45.6	Pk	31.7	-25.5	0	51.8	-	-	74	-22.2	241	145	H
3	* 2.39	33.46	RMS	31.7	-25.5	0	39.66	54	-14.34	-	-	241	145	H
4	* 2.39	34.14	RMS	31.7	-25.5	0	40.34	54	-13.66	-	-	241	145	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	43.73	Pk	31.7	-25.5	0	49.93	-	-	74	-24.07	198	107	V
2	* 2.388	45.94	Pk	31.7	-25.5	0	52.14	-	-	74	-21.86	198	107	V
3	* 2.39	32.91	RMS	31.7	-25.5	0	39.11	54	-14.89	-	-	198	107	V
4	* 2.387	33.32	RMS	31.7	-25.5	0	39.52	54	-14.48	-	-	198	107	V

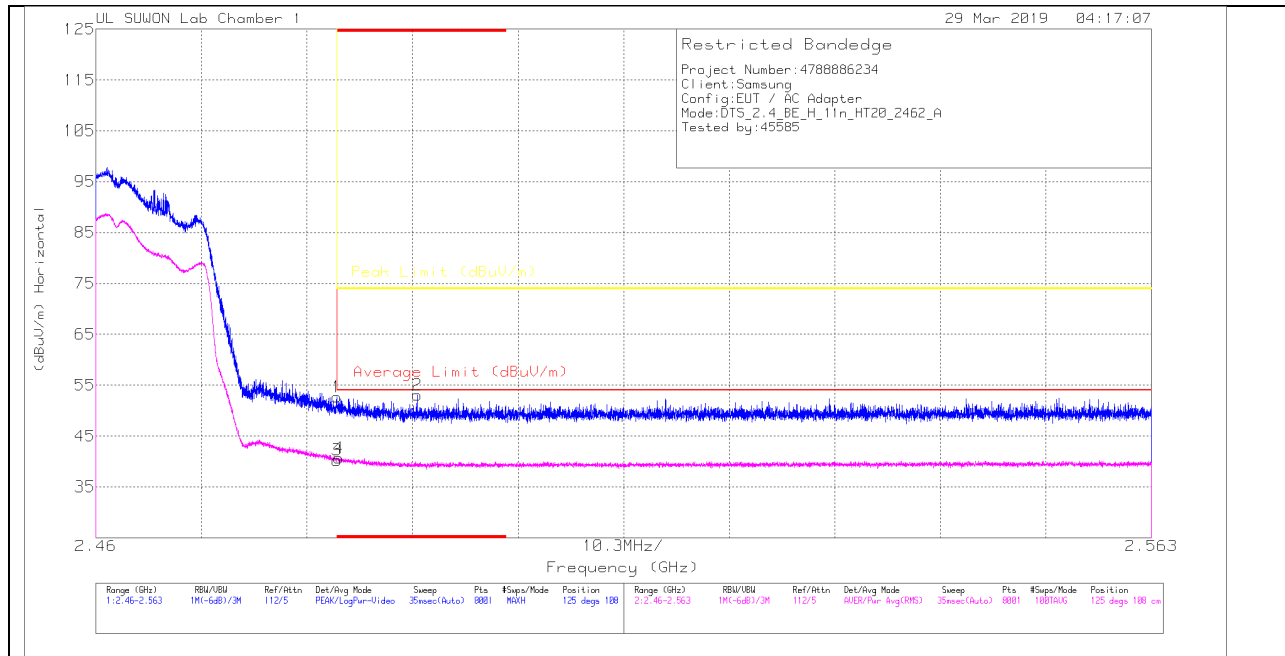
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

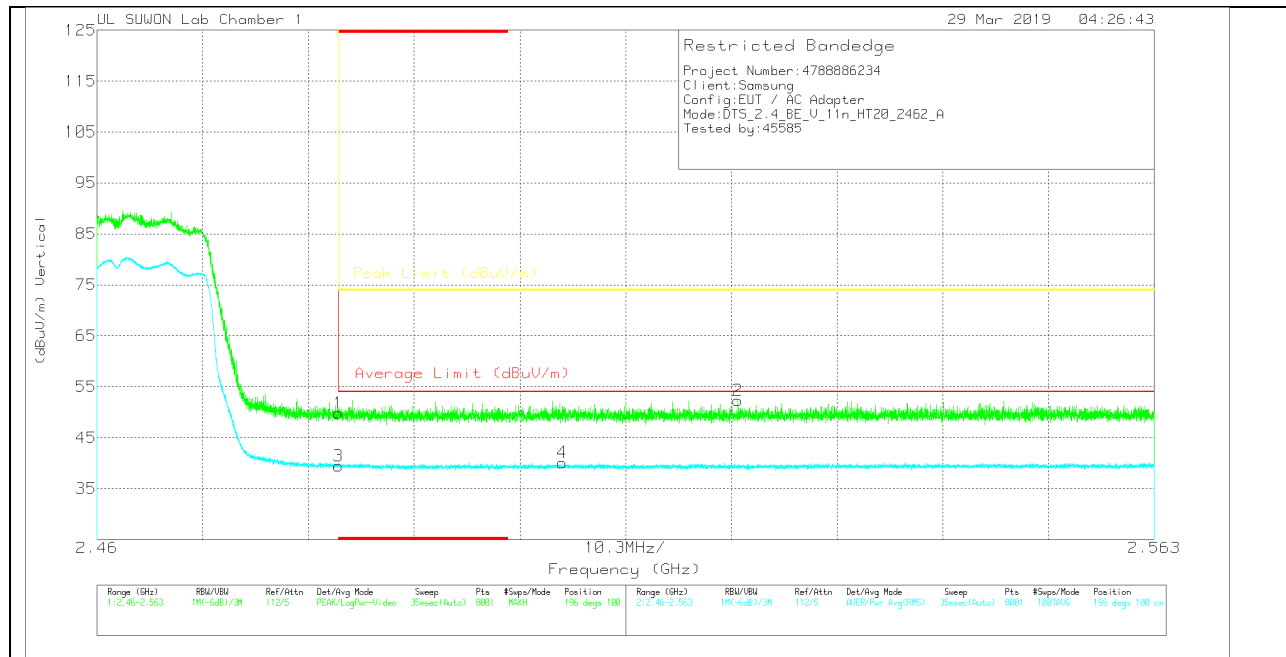
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.11	Pk	31.9	-25.3	0	52.71	-	-	74	-21.29	125	108	H
2	* 2.491	46.35	Pk	31.9	-25.2	0	53.05	-	-	74	-20.95	125	108	H
3	* 2.484	33.65	RMS	31.9	-25.3	0	40.25	54	-13.75	-	-	125	108	H
4	* 2.484	34.13	RMS	31.9	-25.3	0	40.73	54	-13.27	-	-	125	108	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.21	Pk	31.9	-25.3	0	49.81	-	-	74	-24.19	196	100	V
2	2.522	45.51	Pk	32	-25.2	0	52.31	-	-	74	-21.69	196	100	V
3	* 2.484	32.88	RMS	31.9	-25.3	0	39.48	54	-14.52	-	-	196	100	V
4	2.505	33.32	RMS	32	-25.2	0	40.12	54	-13.88	-	-	196	100	V

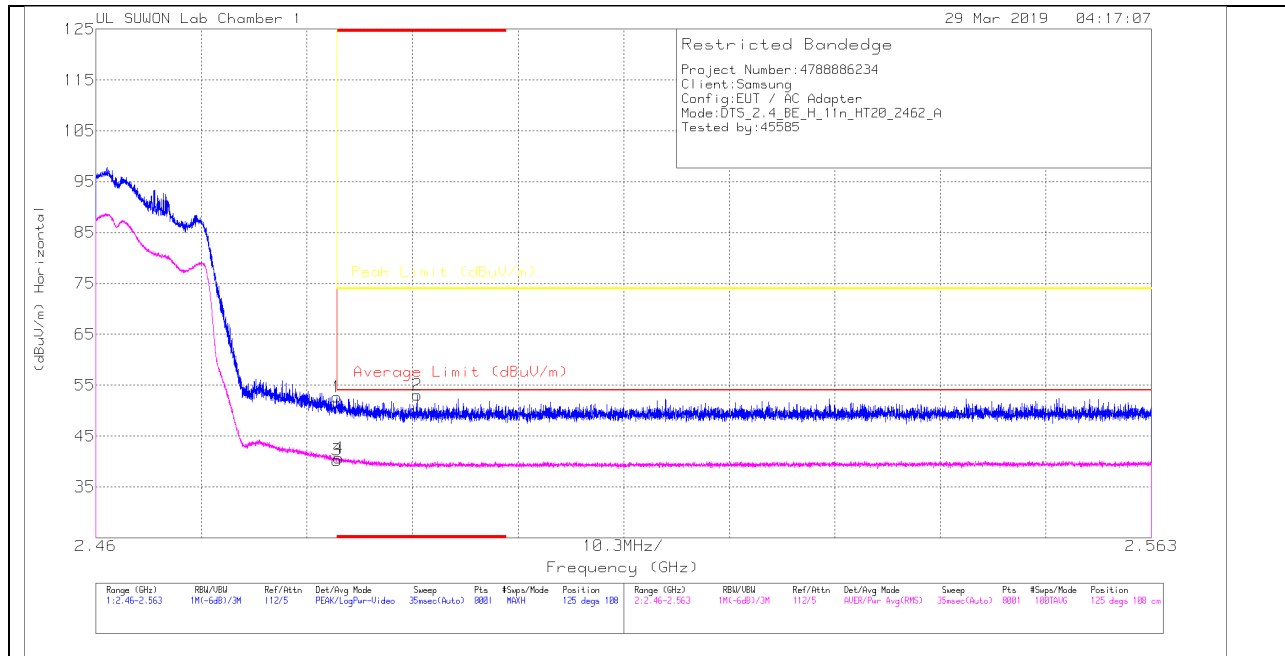
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

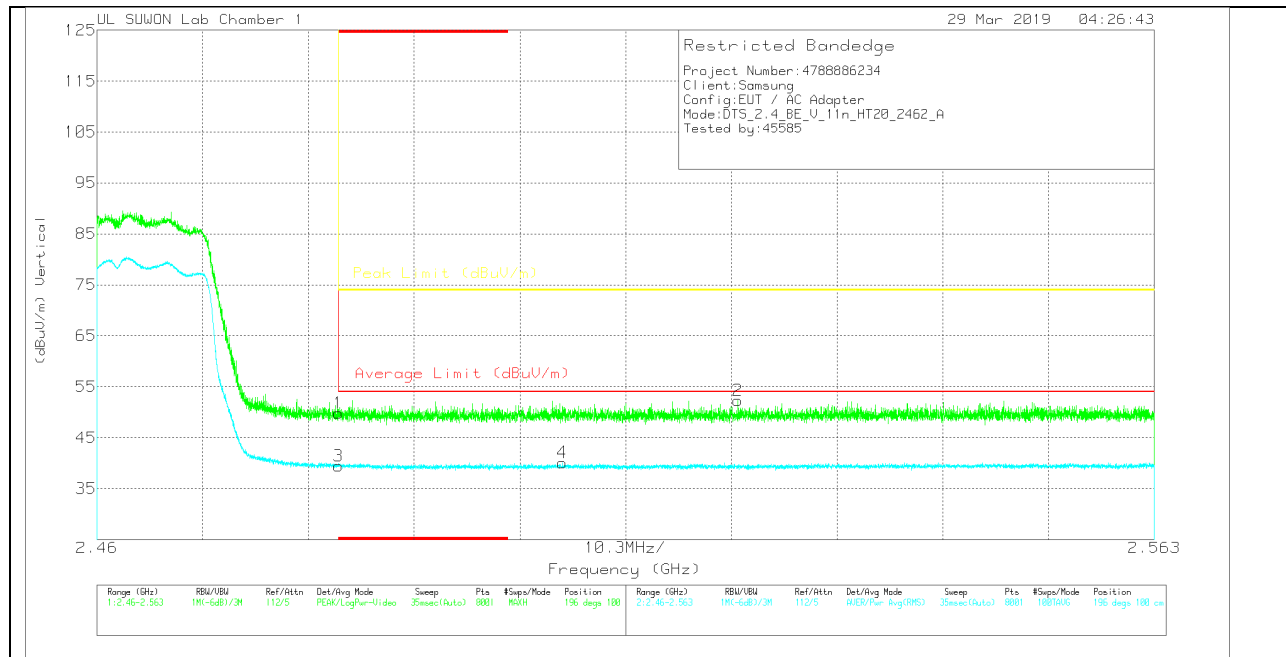
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.11	Pk	31.9	-25.3	0	52.71	-	-	74	-21.29	125	108	H
2	* 2.491	46.35	Pk	31.9	-25.2	0	53.05	-	-	74	-20.95	125	108	H
3	* 2.484	33.65	RMS	31.9	-25.3	0	40.25	54	-13.75	-	-	125	108	H
4	* 2.484	34.13	RMS	31.9	-25.3	0	40.73	54	-13.27	-	-	125	108	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.21	Pk	31.9	-25.3	0	49.81	-	-	74	-24.19	196	100	V
2	2.522	45.51	Pk	32	-25.2	0	52.31	-	-	74	-21.69	196	100	V
3	* 2.484	32.88	RMS	31.9	-25.3	0	39.48	54	-14.52	-	-	196	100	V
4	2.505	33.32	RMS	32	-25.2	0	40.12	54	-13.88	-	-	196	100	V

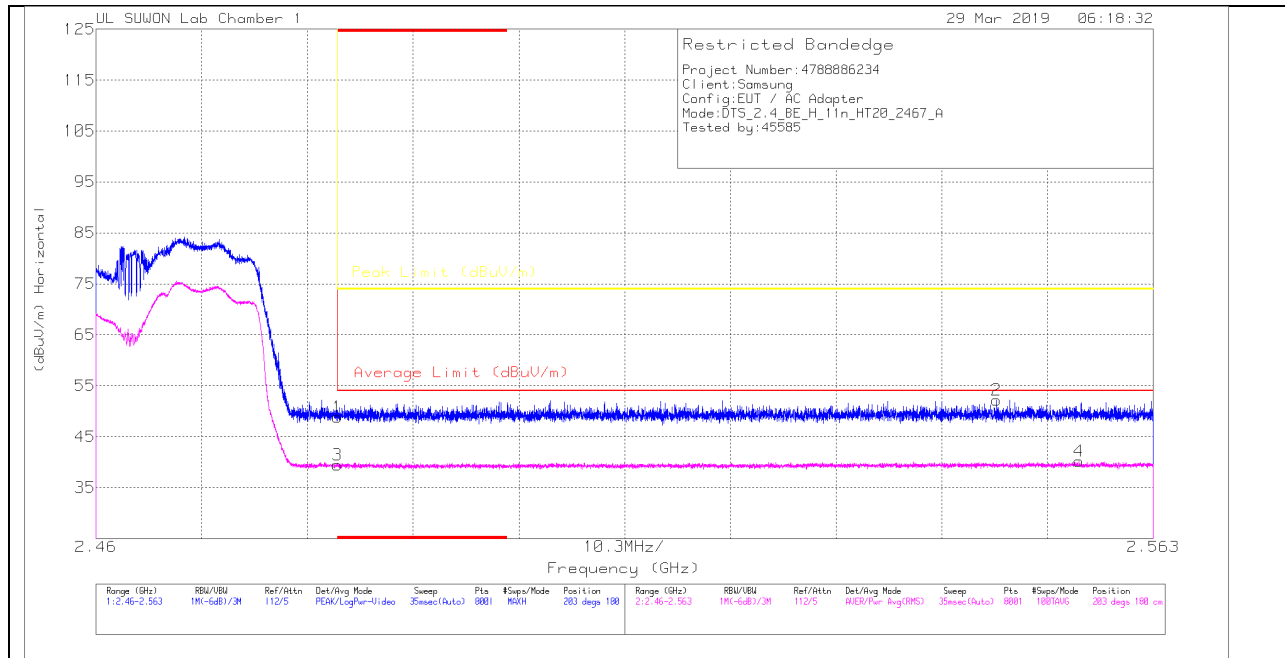
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

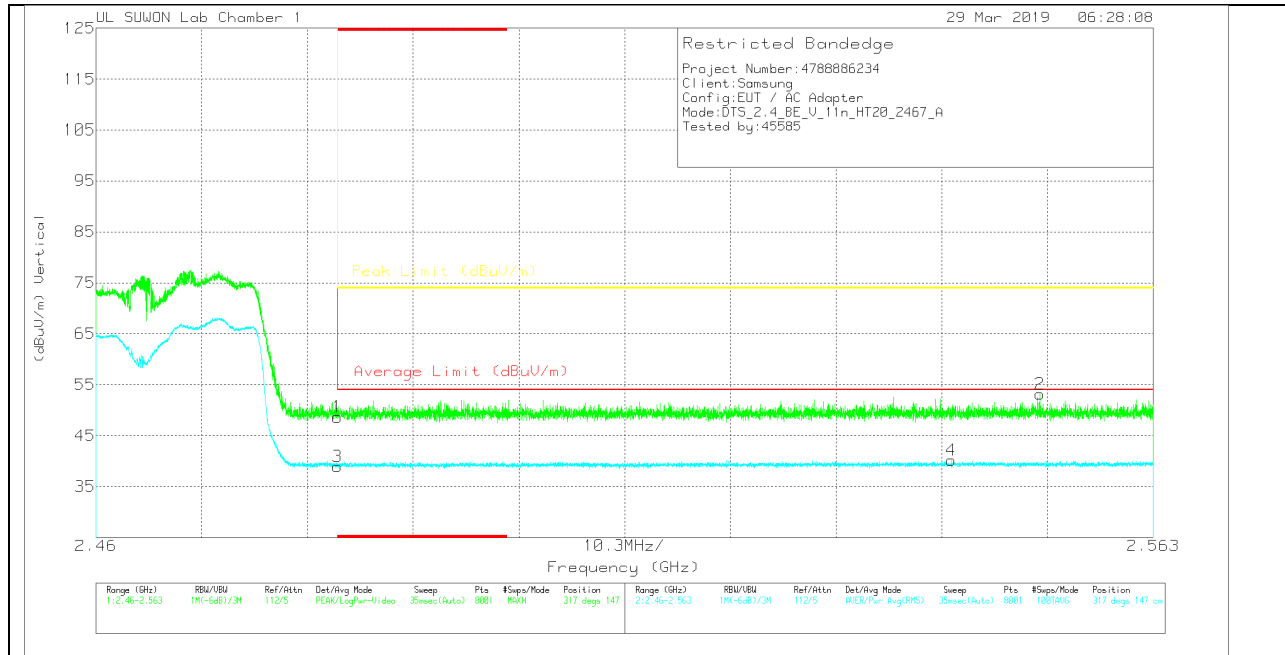
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.25	Pk	31.9	-25.3	0	48.85	-	-	74	-25.15	203	180	H
2	2.548	45.32	Pk	32	-25.1	0	52.22	-	-	74	-21.78	203	180	H
3	* 2.484	32.88	RMS	31.9	-25.3	0	39.48	54	-14.52	-	-	203	180	H
4	2.556	33.35	RMS	32	-25.2	0	40.15	54	-13.85	-	-	203	180	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.06	Pk	31.9	-25.3	0	48.66	-	-	74	-25.34	317	147	V
2	2.552	46.26	Pk	32	-25.1	0	53.16	-	-	74	-20.84	317	147	V
3	* 2.484	32.37	RMS	31.9	-25.3	0	38.97	54	-15.03	-	-	317	147	V
4	2.543	33.44	RMS	32	-25.2	0	40.24	54	-13.76	-	-	317	147	V

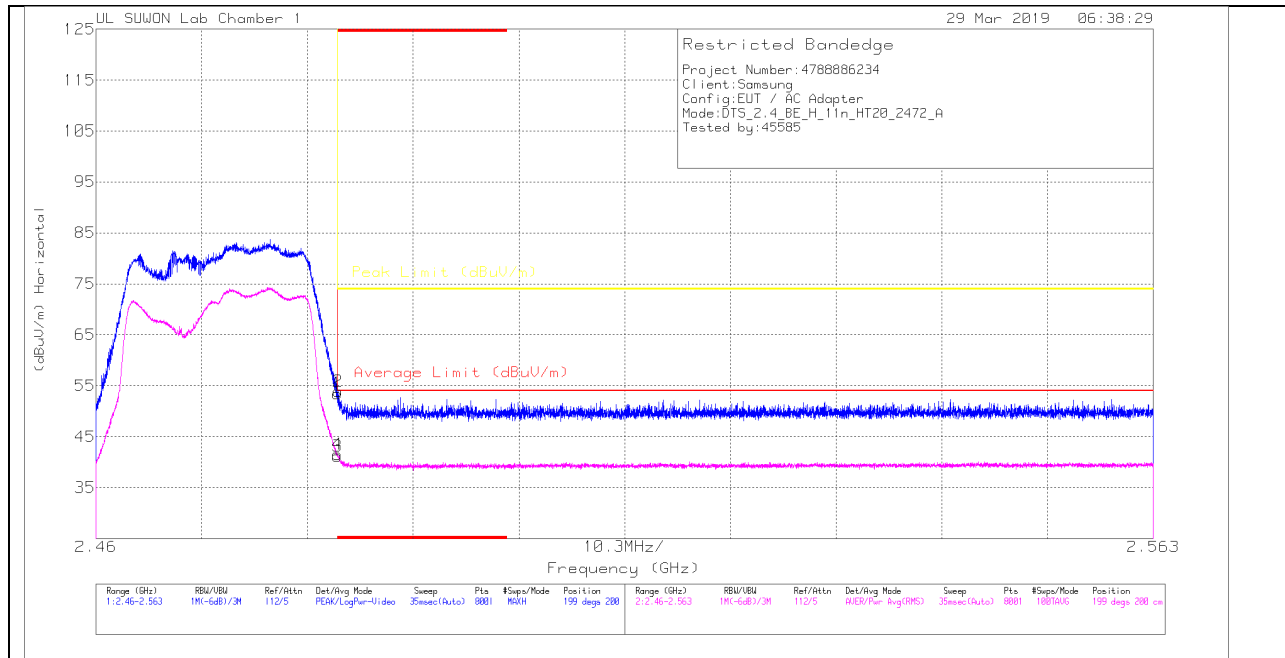
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

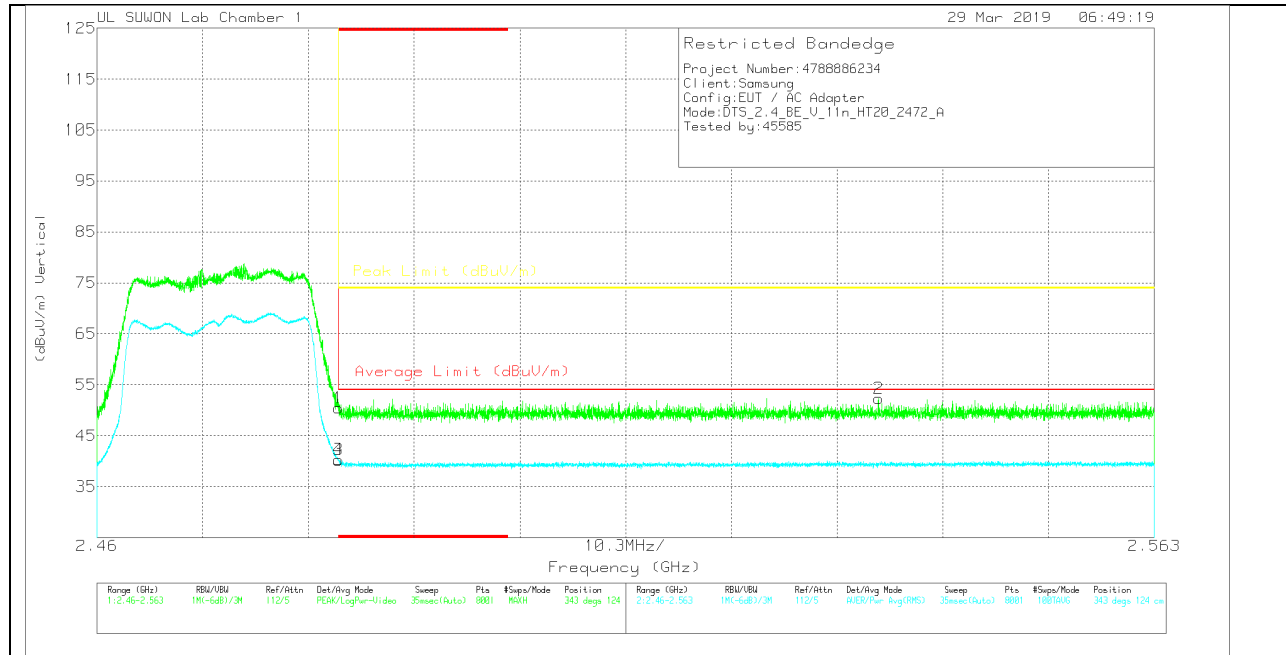
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.88	Pk	31.9	-25.3	0	53.48	-	-	74	-20.52	199	200	H
2	* 2.484	47.37	Pk	31.9	-25.3	0	53.97	-	-	74	-20.03	199	200	H
3	* 2.484	34.53	RMS	31.9	-25.3	0	41.13	54	-12.87	-	-	199	200	H
4	* 2.484	34.96	RMS	31.9	-25.3	0	41.56	54	-12.44	-	-	199	200	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.84	Pk	31.9	-25.3	0	50.44	-	-	74	-23.56	343	124	V
2	2.536	45.54	Pk	32	-25.2	0	52.34	-	-	74	-21.66	343	124	V
3	* 2.484	33.65	RMS	31.9	-25.3	0	40.25	54	-13.75	-	-	343	124	V
4	* 2.484	33.72	RMS	31.9	-25.3	0	40.32	54	-13.68	-	-	343	124	V

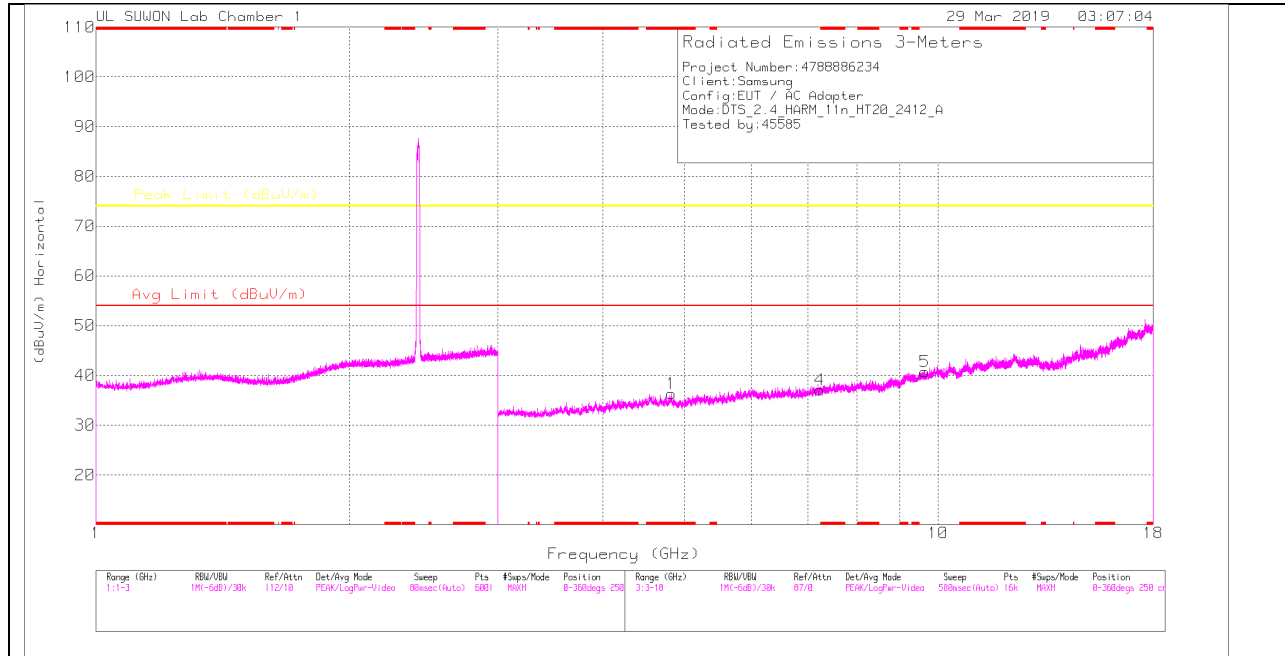
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

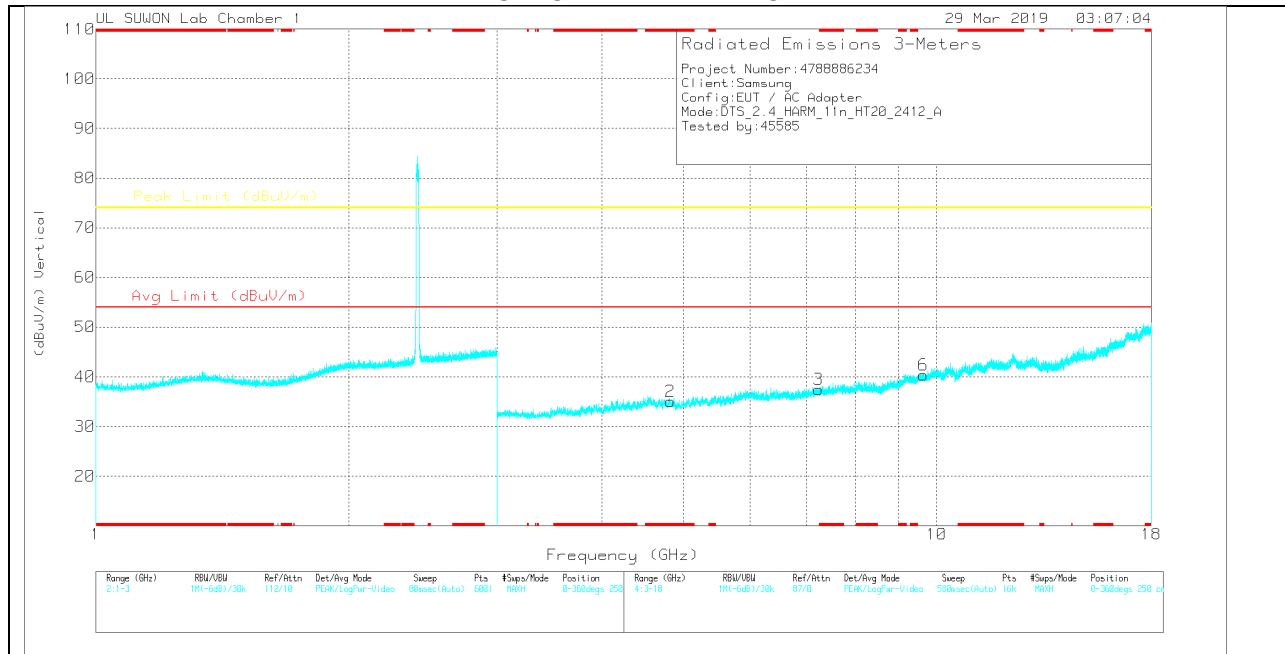
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

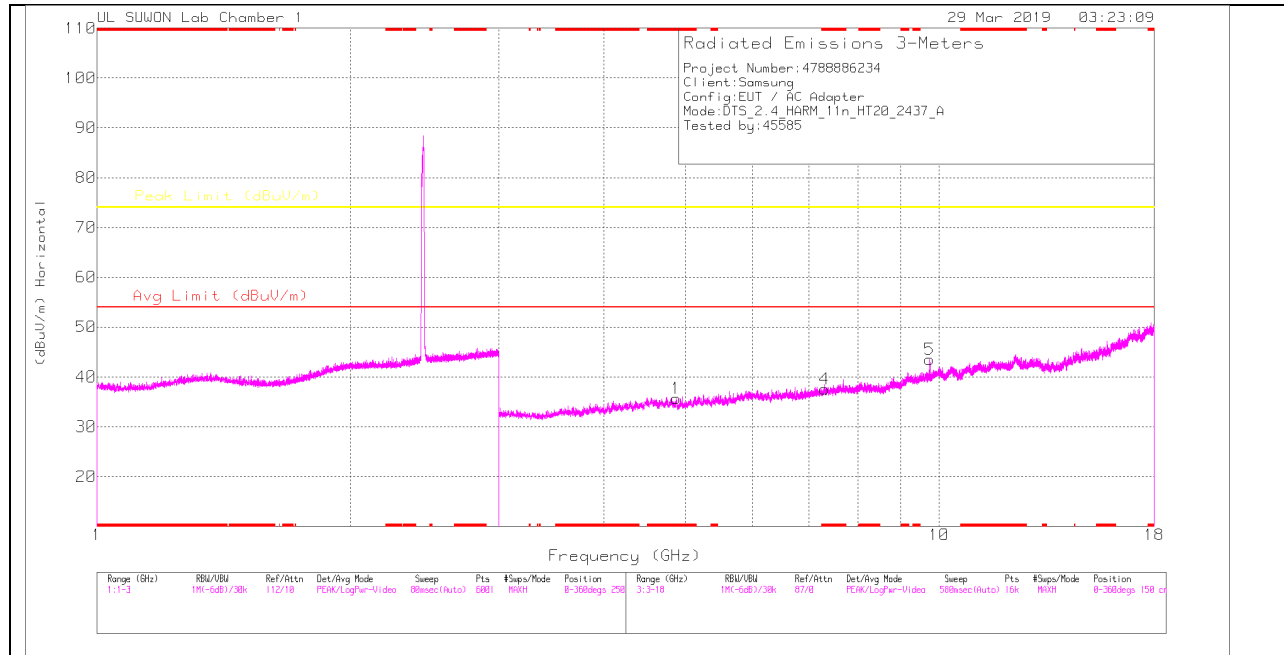
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.825	33.38	PK	34.2	-31.3	0	36.28	-	-	74	-37.72	0-360	150	H
4	7.238	29.05	PK	35.8	-27.8	0	37.05	-	-	74	-36.95	0-360	250	H
5	9.647	26.97	PK	37.1	-23.3	0	40.77	-	-	74	-33.23	0-360	250	H
2	* 4.822	32.23	PK	34.2	-31.4	0	35.03	-	-	74	-38.97	0-360	250	V
3	7.238	29.41	PK	35.8	-27.8	0	37.41	-	-	74	-36.59	0-360	250	V
6	9.648	26.6	PK	37.1	-23.3	0	40.4	-	-	74	-33.6	0-360	250	V

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

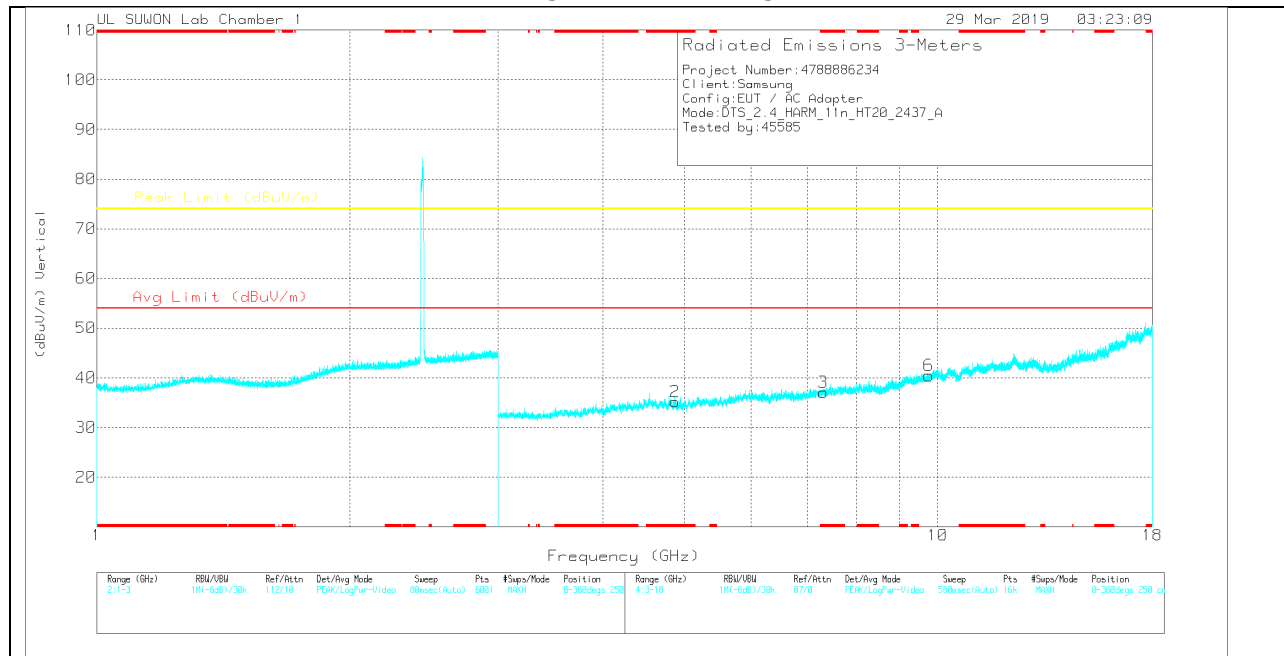
PK – Peak Detector

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168717	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	* 4.875	33.01	PK	34.2	-31.5	0	35.71	-	-	74	-38.29	0-360	250	H
4	* 7.31	29.28	PK	35.8	-27.5	0	37.58	-	-	74	-36.42	0-360	250	H
5	9.748	30.17	PK	37.2	-23.9	0	43.47	-	-	74	-30.53	0-360	250	H
2	* 4.873	32.49	PK	34.2	-31.5	0	35.19	-	-	74	-38.81	0-360	150	V
3	* 7.312	28.63	PK	35.8	-27.4	0	37.03	-	-	74	-36.97	0-360	250	V
6	9.751	27.13	PK	37.2	-23.9	0	40.43	-	-	74	-33.57	0-360	250	V

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

PK – Peak Detector

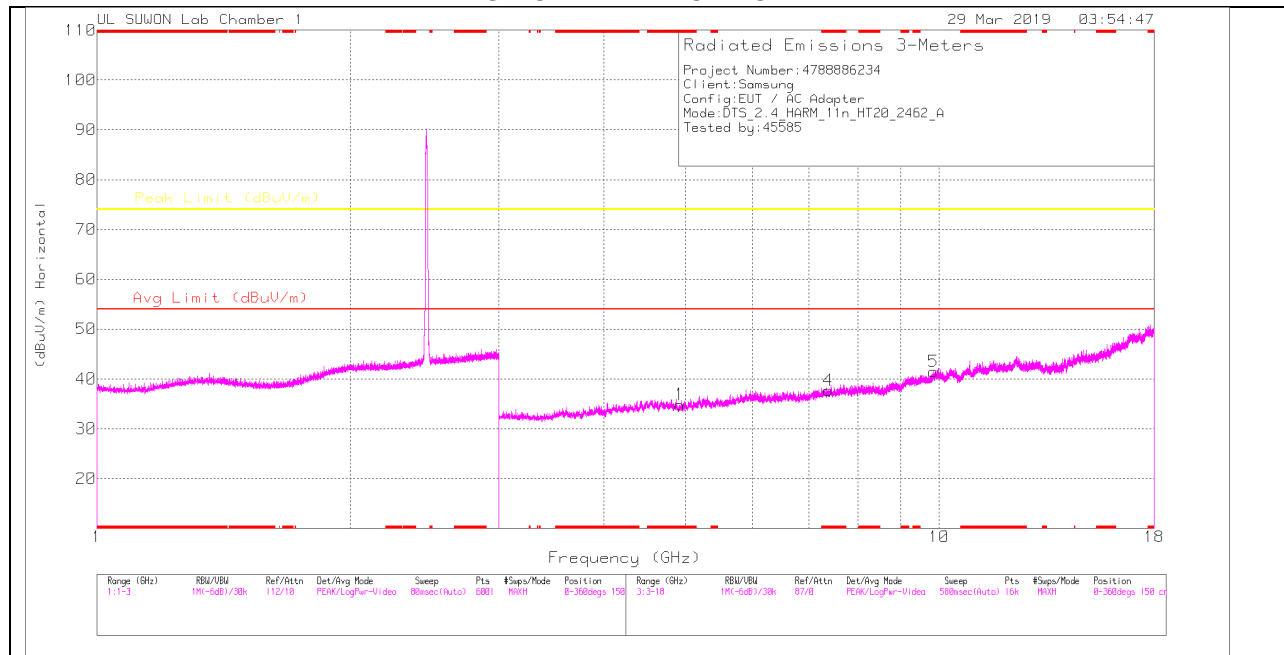
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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
9.748	37.41	PK2	37.2	-23.9	0	50.71	-	-	74	-23.29	183	101	H
9.75	35.82	PK2	37.2	-23.9	0	49.12	-	-	74	-24.88	228	123	V

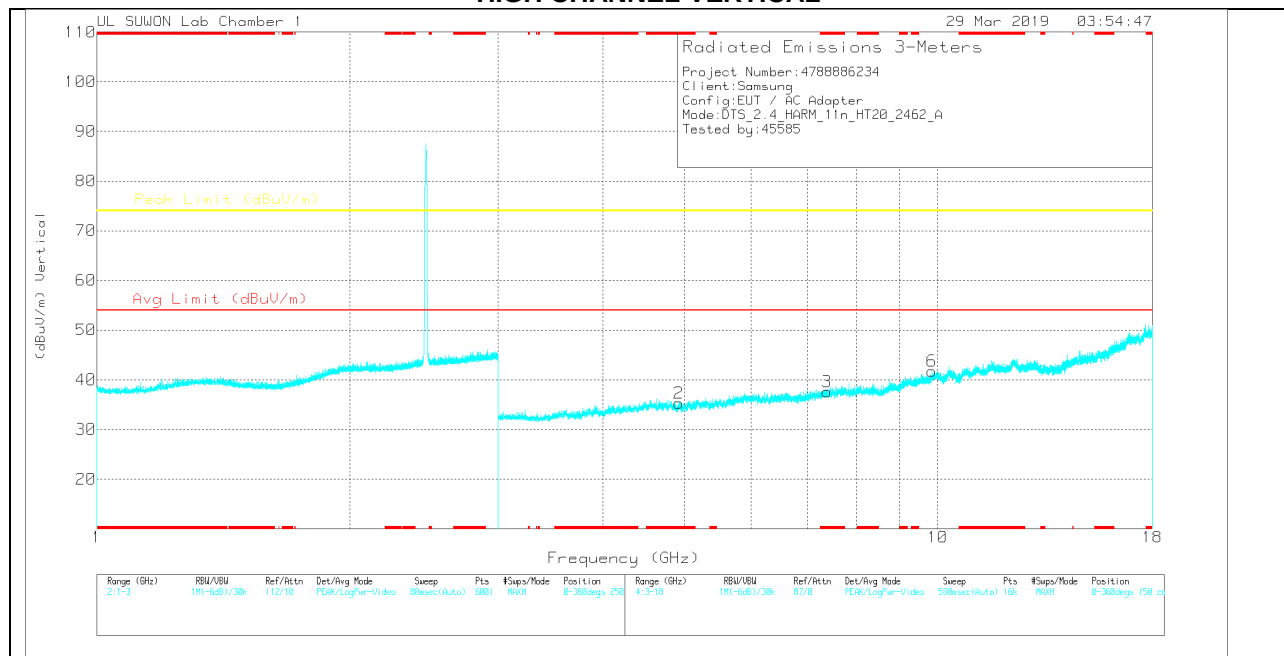
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

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_00168717	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	* 4.919	32.26	PK	34.2	-31.6	0	34.86	-	-	74	-39.14	0-360	250	H
4	* 7.386	28.94	PK	35.8	-27	0	37.74	-	-	74	-36.26	0-360	150	H
5	9.848	27.3	PK	37.4	-23.2	0	41.5	-	-	74	-32.5	0-360	250	H
2	* 4.923	32.65	PK	34.2	-31.6	0	35.25	-	-	74	-38.75	0-360	250	V
3	* 7.386	28.78	PK	35.8	-27	0	37.58	-	-	74	-36.42	0-360	150	V
6	9.848	27.55	PK	37.4	-23.2	0	41.75	-	-	74	-32.25	0-360	250	V

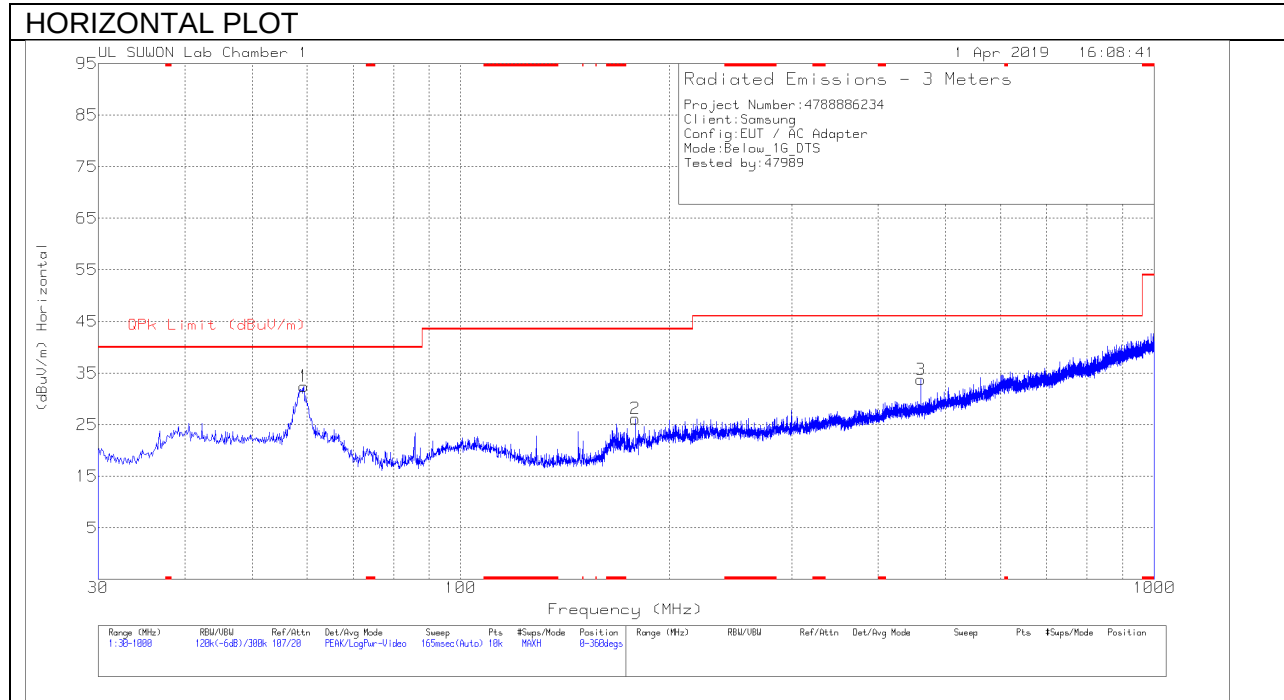
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

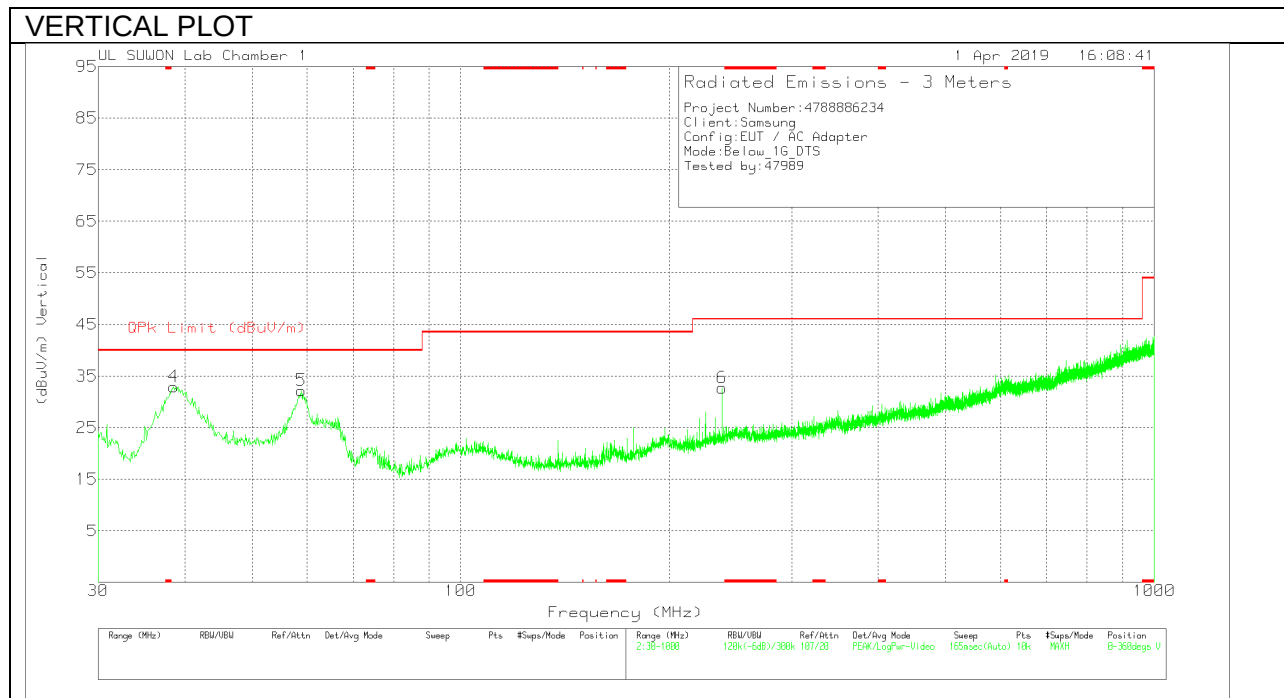
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



Below 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.391	44.03	Pk	18.7	-30.3	0	32.43	40	-7.57	0-360	400	H
2	178.604	39.45	Pk	15.4	-28.7	0	26.15	43.52	-17.37	0-360	300	H
3	460.583	38.03	Pk	22.3	-26.6	0	33.73	46.02	-12.29	0-360	200	H
4	38.536	45.54	Pk	18.1	-30.7	0	32.94	40	-7.06	0-360	100	V
5	58.906	43.7	Pk	18.8	-30.3	0	32.2	40	-7.8	0-360	300	V
6	238.259	42.42	Pk	18.5	-28.2	0	32.72	46.02	-13.3	0-360	200	V

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
IC RSS-GEN Clause 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 [*]	56 to 46 [*]
0.5-5	56	46
5-30	60	50

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

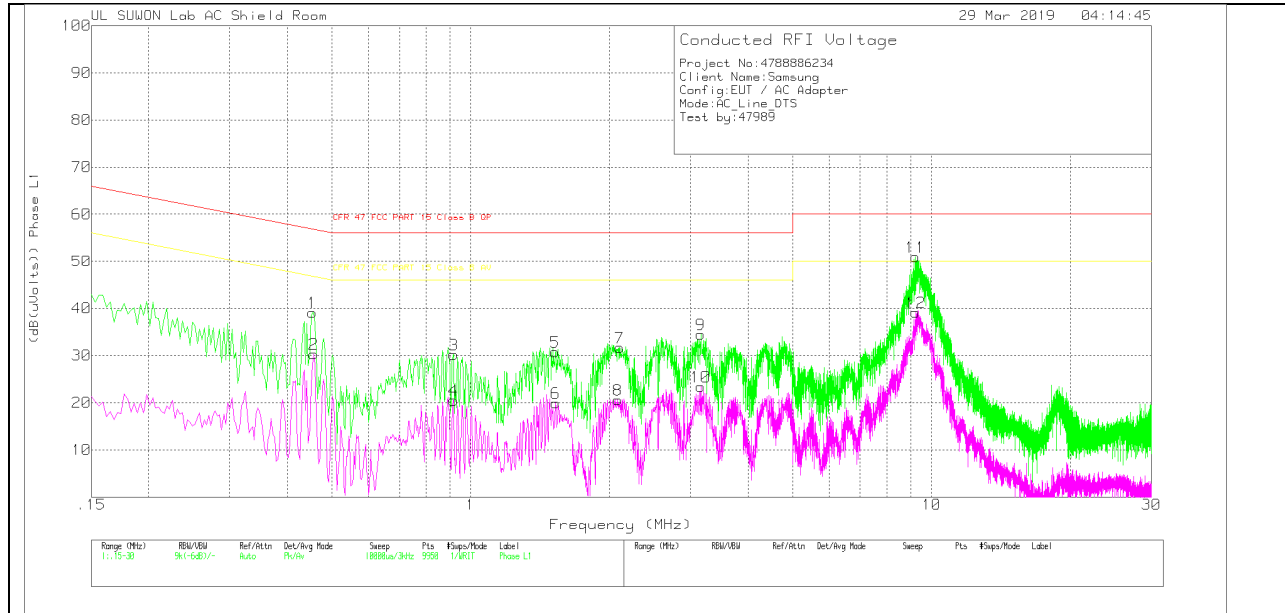
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_10183 6_With ex-cord_L1	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.453	29.05	Pk	9.9	.2	39.15	56.82	-17.67	-	-
2	.456	20.23	Av	9.9	.2	30.33	-	-	46.77	-16.44
3	.918	20.13	Pk	9.8	.3	30.23	56	-25.77	-	-
4	.918	10.42	Av	9.8	.3	20.52	-	-	46	-25.48
5	1.524	20.68	Pk	9.8	.3	30.78	56	-25.22	-	-
6	1.527	9.86	Av	9.8	.3	19.96	-	-	46	-26.04
7	2.103	21.62	Pk	9.8	.3	31.72	56	-24.28	-	-
8	2.085	10.52	Av	9.8	.3	20.62	-	-	46	-25.38
9	3.156	24.2	Pk	10	.3	34.5	56	-21.5	-	-
10	3.156	13.13	Av	10	.3	23.43	-	-	46	-22.57
11	9.225	40.54	Pk	10	.4	50.94	60	-9.06	-	-
12	9.234	28.77	Av	10	.4	39.17	-	-	50	-10.83

Pk - Peak detector

Av - Average detection

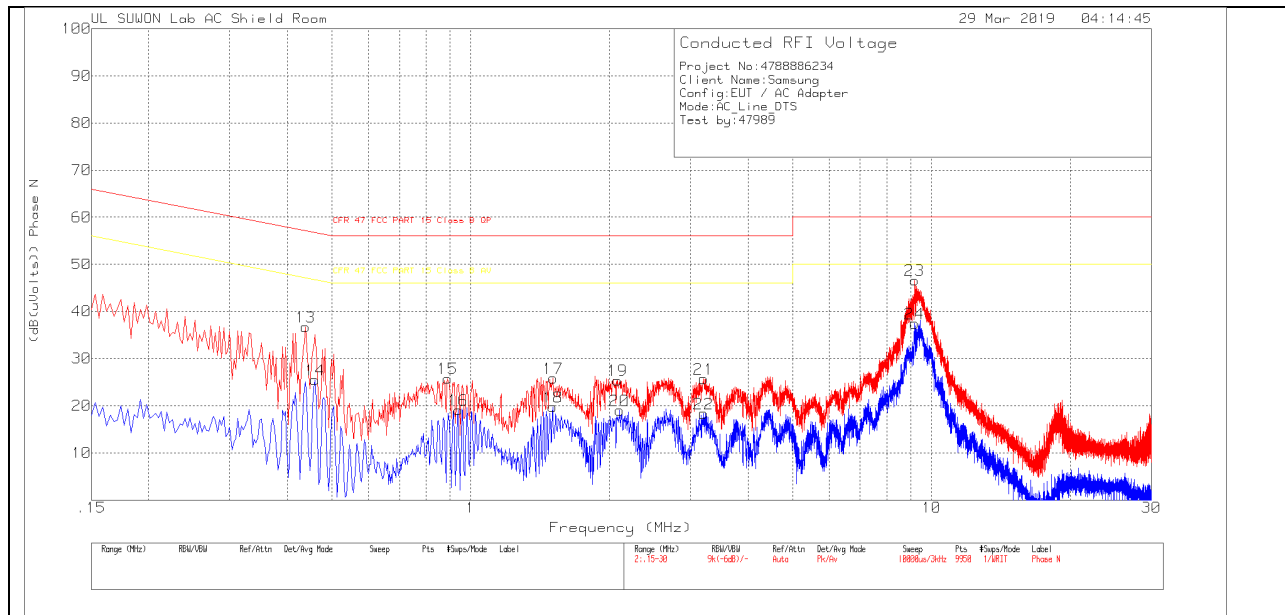
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_101836 _With ex-cord_L1	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
9.22425	33.47	Qp	10	.4	43.87	60	-16.13	-	-

Qp - Quasi-Peak detector

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_10183 6_With ex-cord_N	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
13	.438	27.22	Pk	9.3	.2	36.72	57.1	-20.38	-	-
14	.459	15.79	Av	9.5	.2	25.49	-	-	46.71	-21.22
15	.891	15.7	Pk	9.8	.3	25.8	56	-30.2	-	-
16	.939	9.01	Av	9.8	.3	19.11	-	-	46	-26.89
17	1.509	15.87	Pk	9.7	.3	25.87	56	-30.13	-	-
18	1.506	9.76	Av	9.7	.3	19.76	-	-	46	-26.24
19	2.082	15.4	Pk	9.7	.3	25.4	56	-30.6	-	-
20	2.103	9.07	Av	9.7	.3	19.07	-	-	46	-26.93
21	3.201	15.73	Pk	9.7	.3	25.73	56	-30.27	-	-
22	3.201	8.36	Av	9.7	.3	18.36	-	-	46	-27.64
23	9.189	36.22	Pk	10	.4	46.62	60	-13.38	-	-
24	9.186	27.09	Av	10	.4	37.49	-	-	50	-12.51

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_101836 _With ex-cord_N	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
9.18975	28.98	Qp	10	.4	39.38	60	-20.62	-	-

Qp - Quasi-Peak detector