

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)

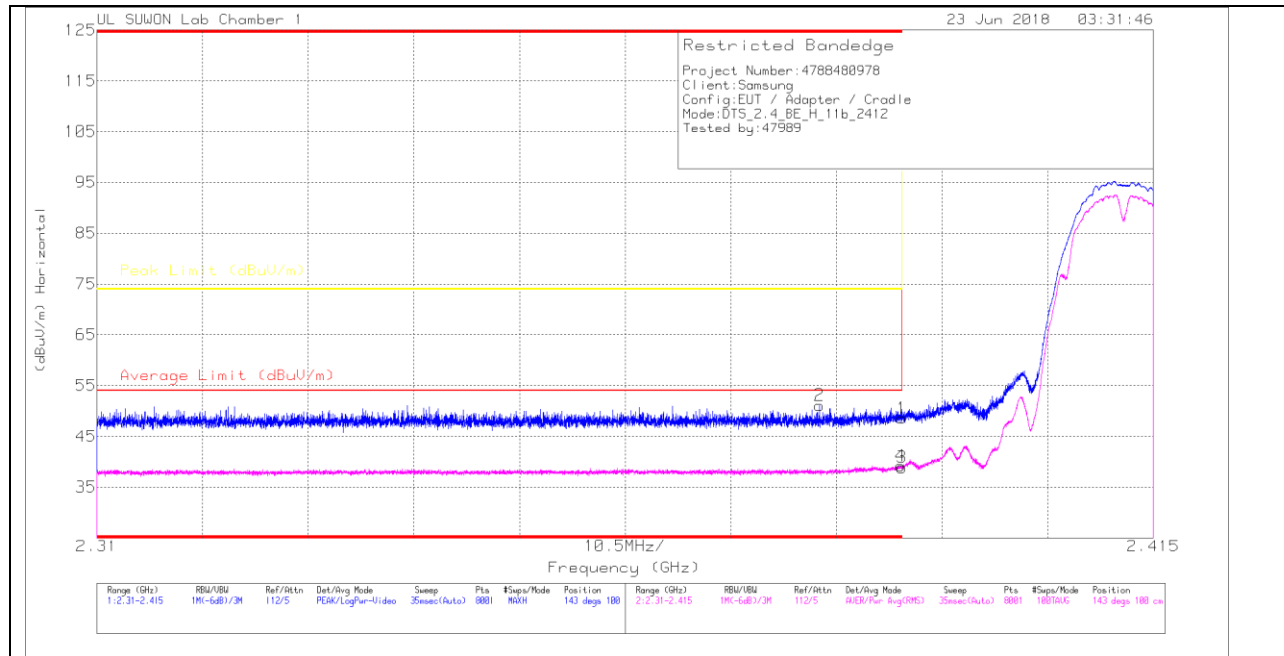
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

11.2. TRANSMITTER ABOVE 1 GHz

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

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

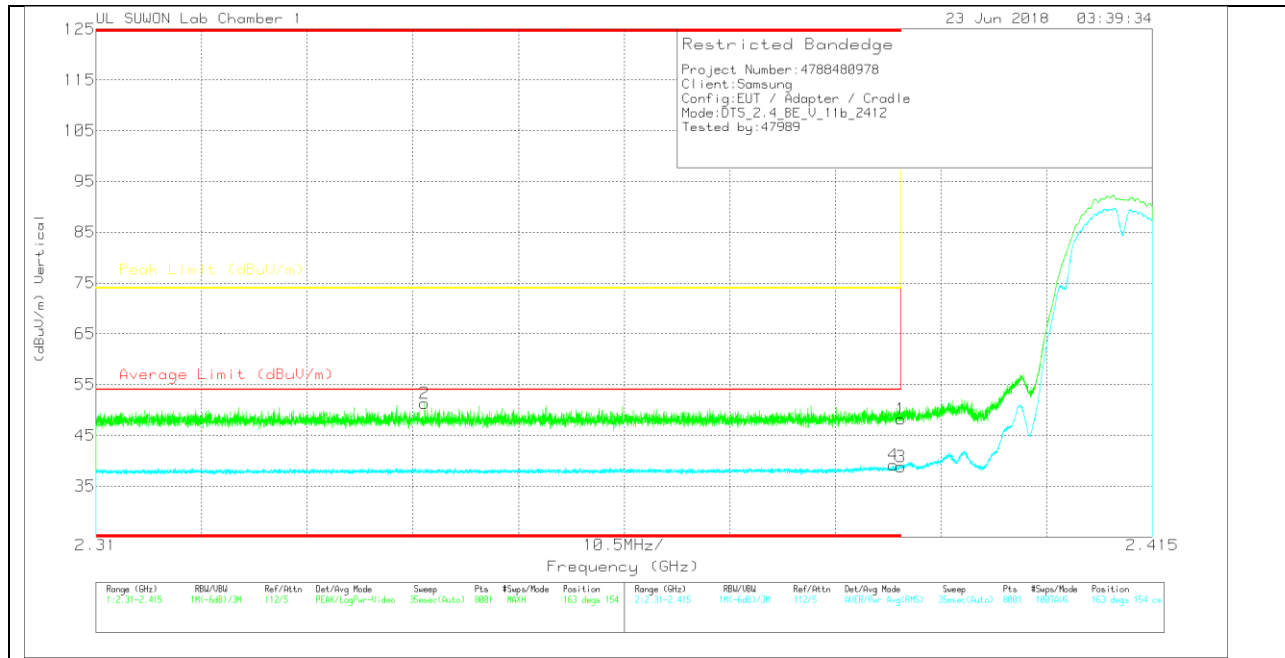
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_1117_00108 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	42.97	Pk	31.3	-25.7	0	48.57	-	-	74	-25.43	143	100	H
2	* 2.382	45.63	Pk	31.3	-25.8	0	51.13	-	-	74	-22.87	143	100	H
3	* 2.39	33.29	RMS	31.3	-25.7	0	38.89	54	-15.11	-	-	143	100	H
4	* 2.39	33.65	RMS	31.3	-25.7	0	39.25	54	-14.75	-	-	143	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	20170531_3117_00108 717	10dB_ATT(dB)_170809	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	42.66	Pk	31.3	-25.7	0	48.26	-	-	74	-25.74	163	154	V
2	* 2.343	46.02	Pk	31.2	-25.9	0	51.32	-	-	74	-22.68	163	154	V
3	* 2.39	33.26	RMS	31.3	-25.7	0	38.86	54	-15.14	-	-	163	154	V
4	* 2.389	33.6	RMS	31.3	-25.7	0	39.2	54	-14.8	-	-	163	154	V

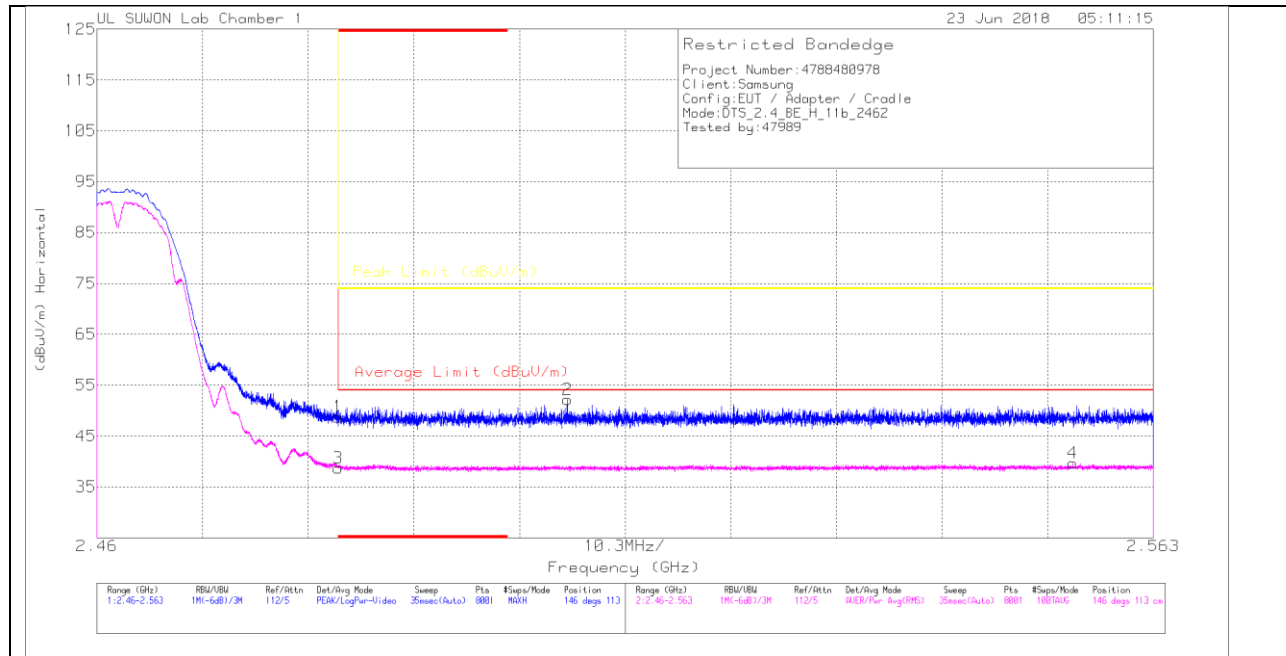
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

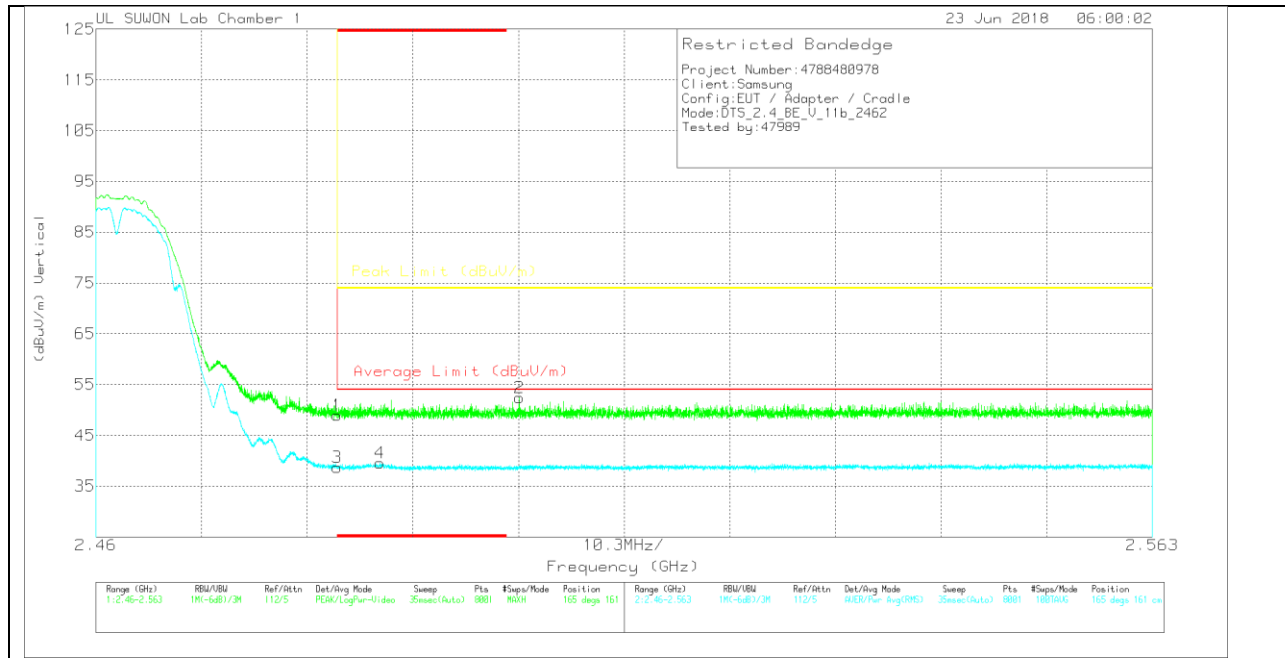
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.68	PK	31.6	-25.5	0	48.78	-	-	74	-25.22	146	113	H
2	2.506	46	PK	31.6	-25.4	0	52.2	-	-	74	-21.8	146	113	H
3	* 2.484	32.6	RMS	31.6	-25.5	0	38.7	54	-15.3	-	-	146	113	H
4	2.555	33.25	RMS	31.7	-25.3	0	39.65	54	-14.35	-	-	146	113	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	20170531_3117_00108 717	10dB_ATT(dB)_170809	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	42.92	Pk			0	49.02	-	-	74	-24.98	165	161	V
2	2.501	46.27	Pk			0	52.47	-	-	74	-21.53	165	161	V
3	* 2.484	32.64	RMS			0	38.74	54	-15.26	-	-	165	161	V
4	* 2.488	33.36	RMS			0	39.56	54	-14.44	-	-	165	161	V

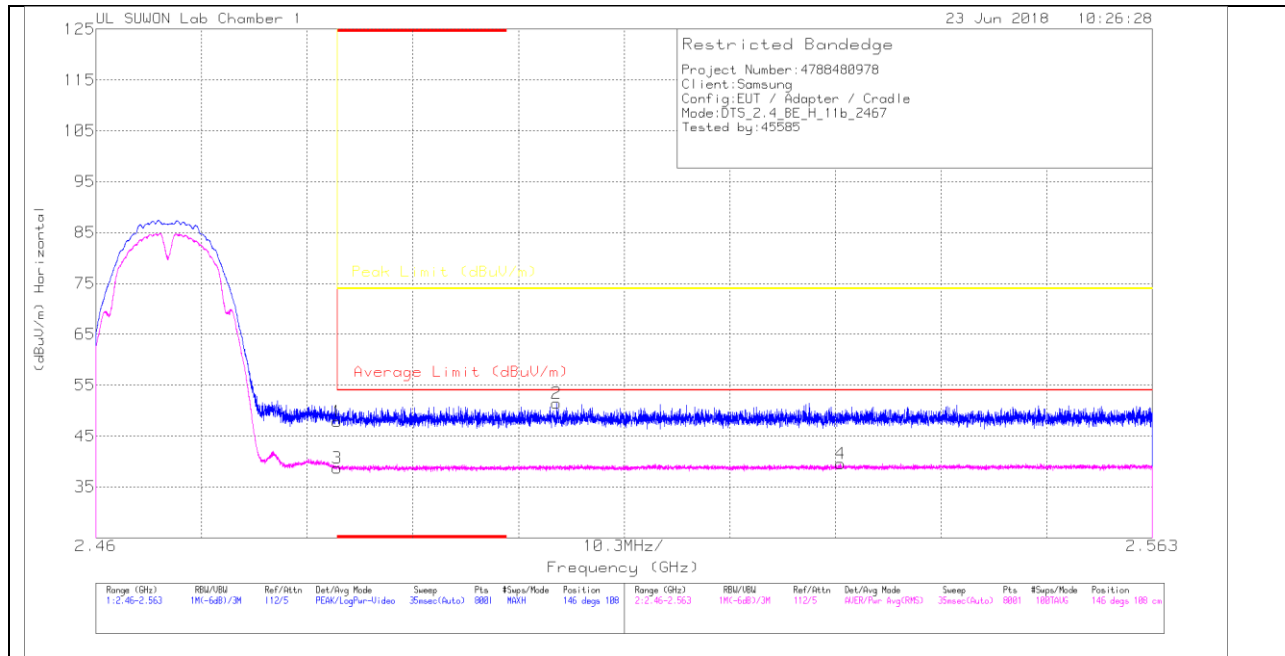
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

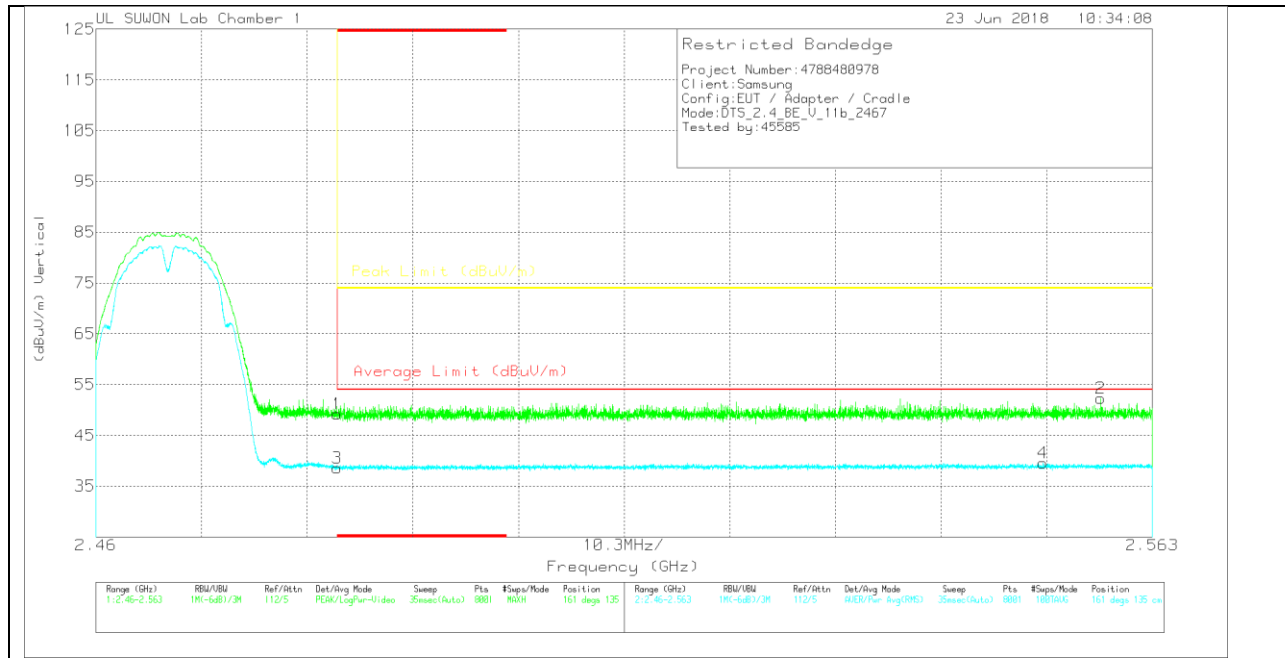
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	41.74	Pk	31.6	-25.5	0	47.84	-	-	74	-26.16	146	108	H
2	2.505	45.12	Pk	31.6	-25.3	0	51.42	-	-	74	-22.58	146	108	H
3	* 2.484	32.56	RMS	31.6	-25.5	0	38.66	54	-15.34	-	-	146	108	H
4	2.533	33.18	RMS	31.7	-25.3	0	39.58	54	-14.42	-	-	146	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	20170531_1117_00108 717	10dB_ATT(dB)_170809	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	43.16	Pk	31.6	-25.5	0	49.26	-	-	74	-24.74	161	135	V
2	2.558	45.87	Pk	31.7	-25.3	0	52.27	-	-	74	-21.73	161	135	V
3	* 2.484	32.42	RMS	31.6	-25.5	0	38.52	54	-15.48	-	-	161	135	V
4	2.552	33.15	RMS	31.7	-25.3	0	39.55	54	-14.45	-	-	161	135	V

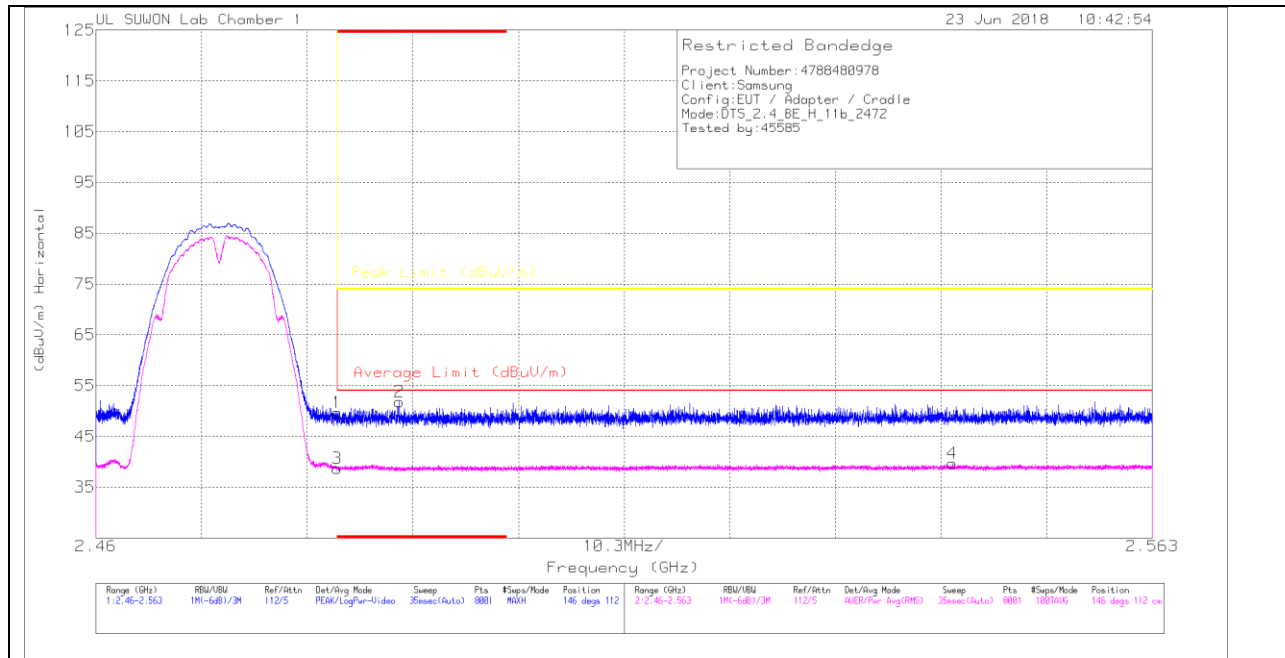
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

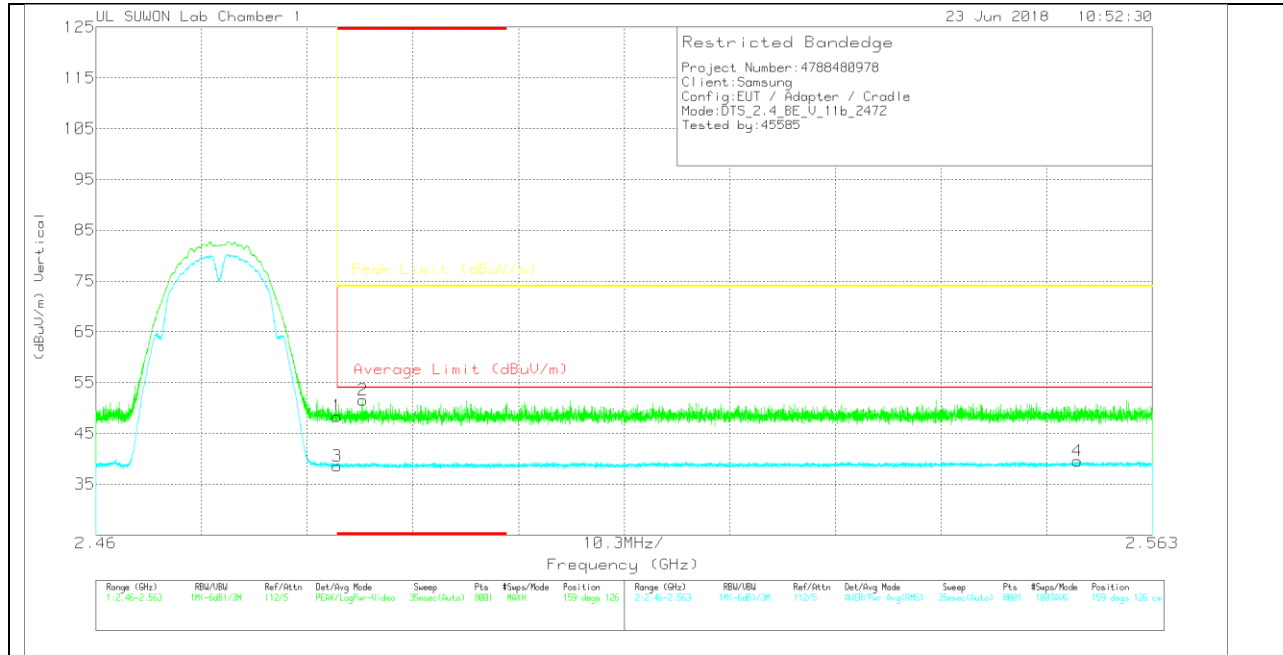
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00108 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.55	PK	31.6	-25.5	0	49.65	-	-	74	-24.35	146	112	H
2	* 2.49	45.66	PK	31.6	-25.4	0	51.86	-	-	74	-22.14	146	112	H
3	* 2.484	32.6	RMS	31.6	-25.5	0	38.7	54	-15.3	-	-	146	112	H
4	2.544	33.14	RMS	31.7	-25.2	0	39.64	54	-14.36	-	-	146	112	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	20170531_3117_00108 717	10dB_ATT(dB)_170809	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	42.31	Pk	31.6	-25.5	0	48.41	-	-	74	-25.59	159	126	V
2	* 2.486	45.49	Pk	31.6	-25.5	0	51.59	-	-	74	-22.41	159	126	V
3	* 2.484	32.47	RMS	31.6	-25.5	0	38.57	54	-15.43	-	-	159	126	V
4	2.556	33.18	RMS	31.7	-25.3	0	39.58	54	-14.42	-	-	159	126	V

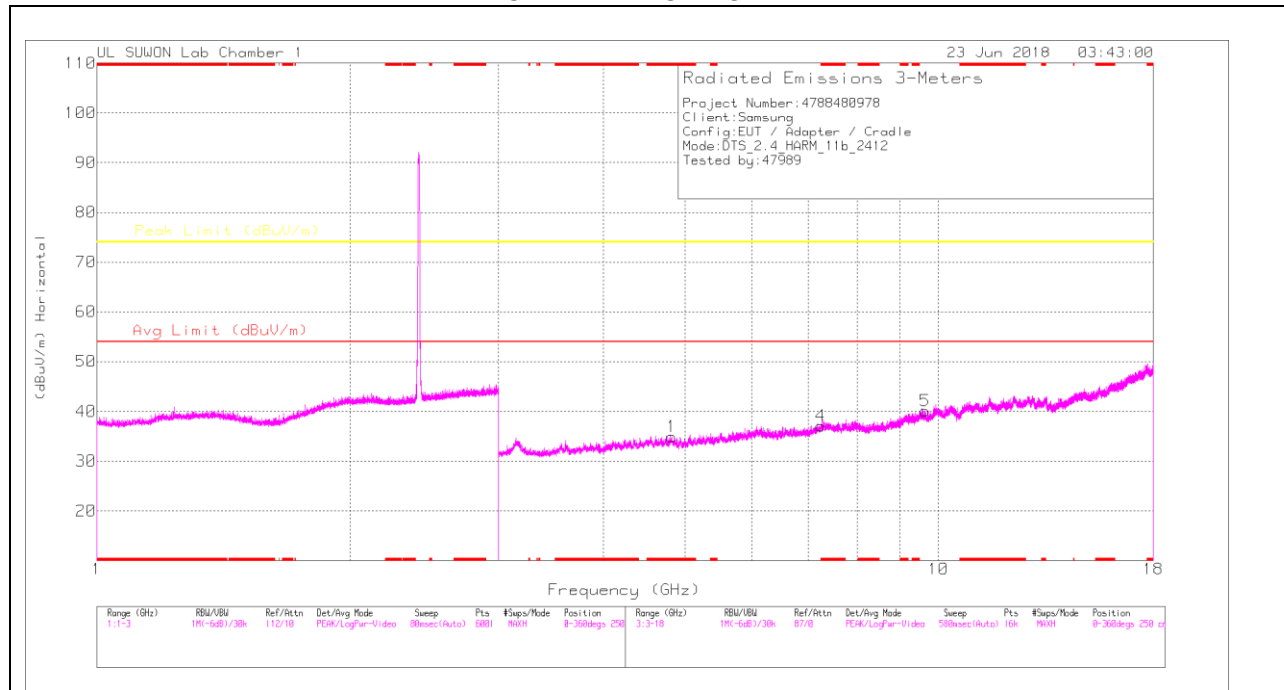
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

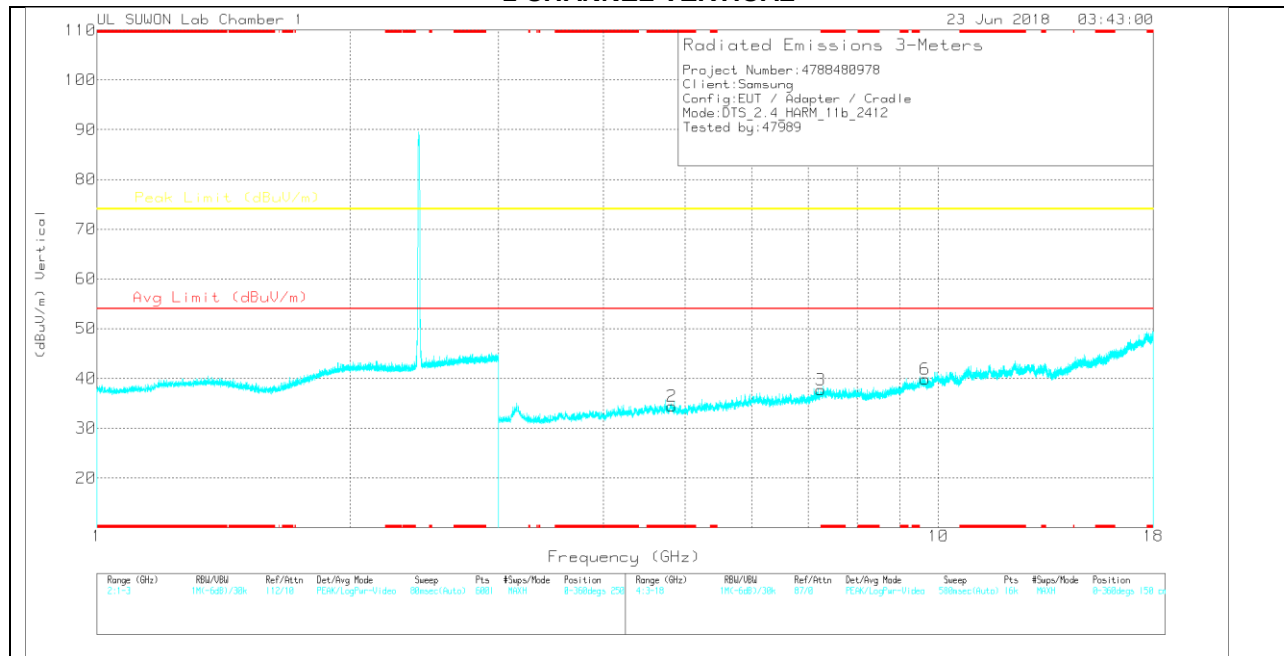
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

1 CHANNEL HORIZONTAL



1 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.

1 CHANNEL DATA

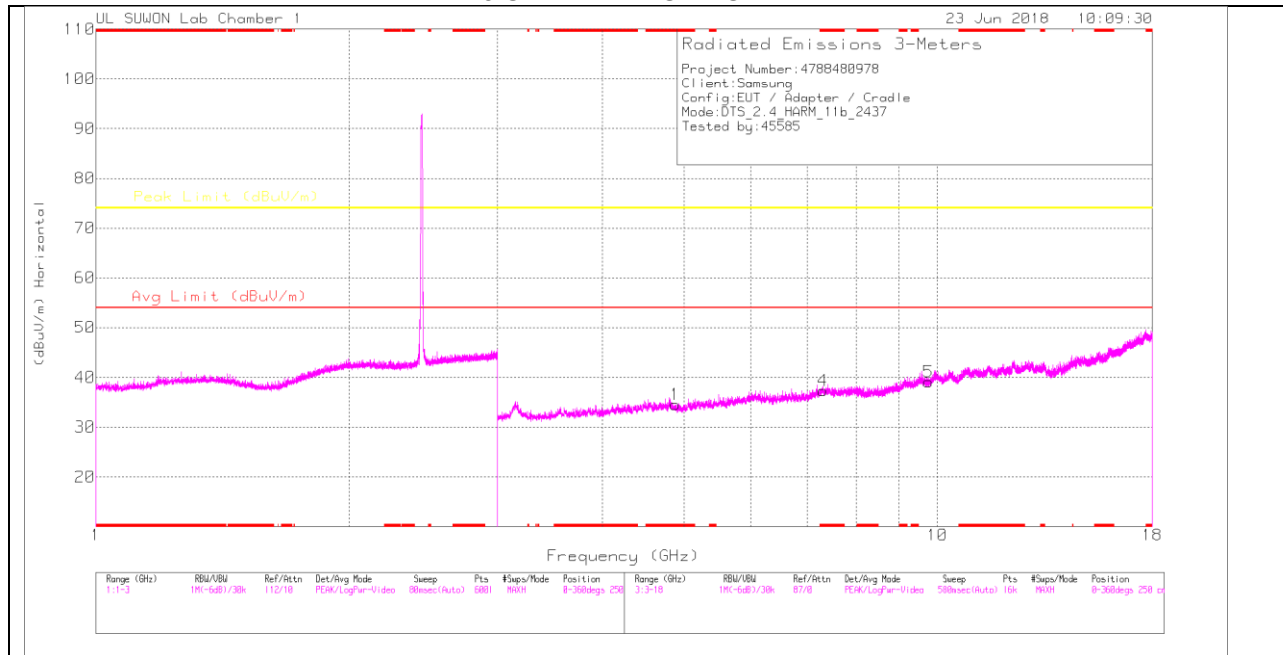
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687 17	3GHz_HP(dB)_170809	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	32.78	PK	33.8	-31.6	0	34.98	-	-	74	-39.02	0-360	150	H
4	7.245	29.18	PK	35.9	-28	0	37.08	-	-	74	-36.92	0-360	250	H
5	9.638	26.87	PK	36.8	-23.6	0	40.07	-	-	74	-33.93	0-360	250	H
2	* 4.821	32.19	PK	33.8	-31.6	0	34.39	-	-	74	-39.61	0-360	250	V
3	7.241	29.8	PK	35.9	-28	0	37.7	-	-	74	-36.3	0-360	150	V
6	9.644	26.63	PK	36.8	-23.6	0	39.83	-	-	74	-34.17	0-360	250	V

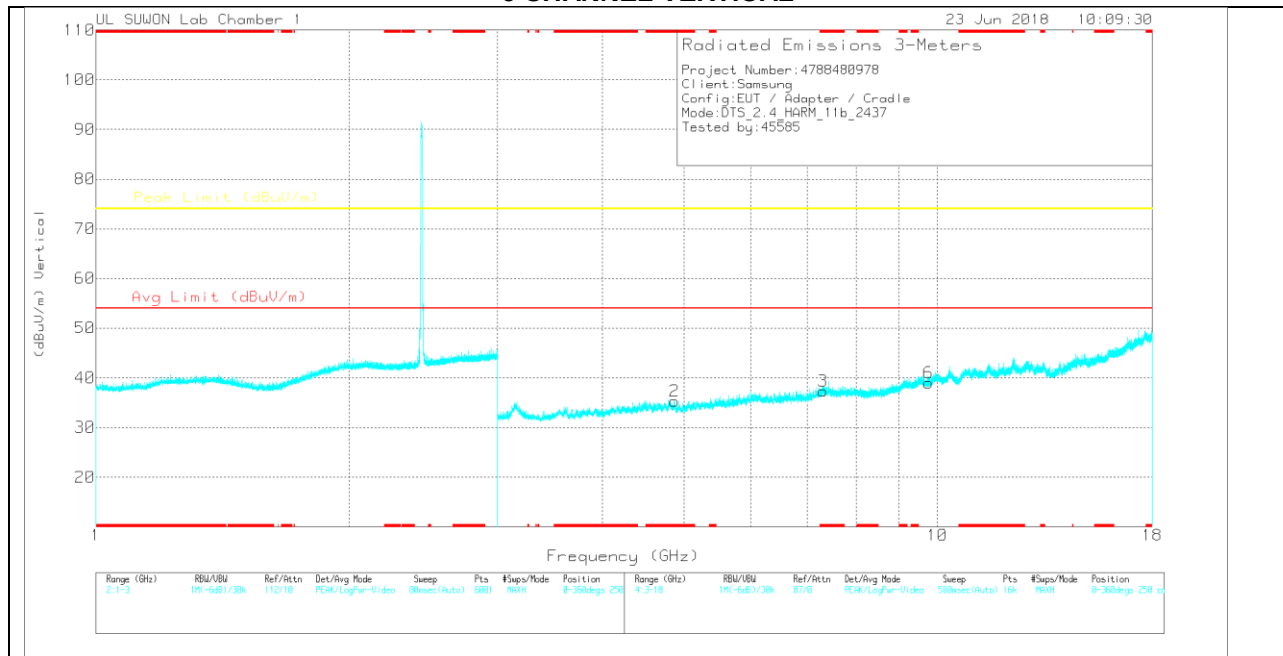
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak detector

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

6 CHANNEL HORIZONTAL



6 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.

6 CHANNEL DATA

Trace Markers

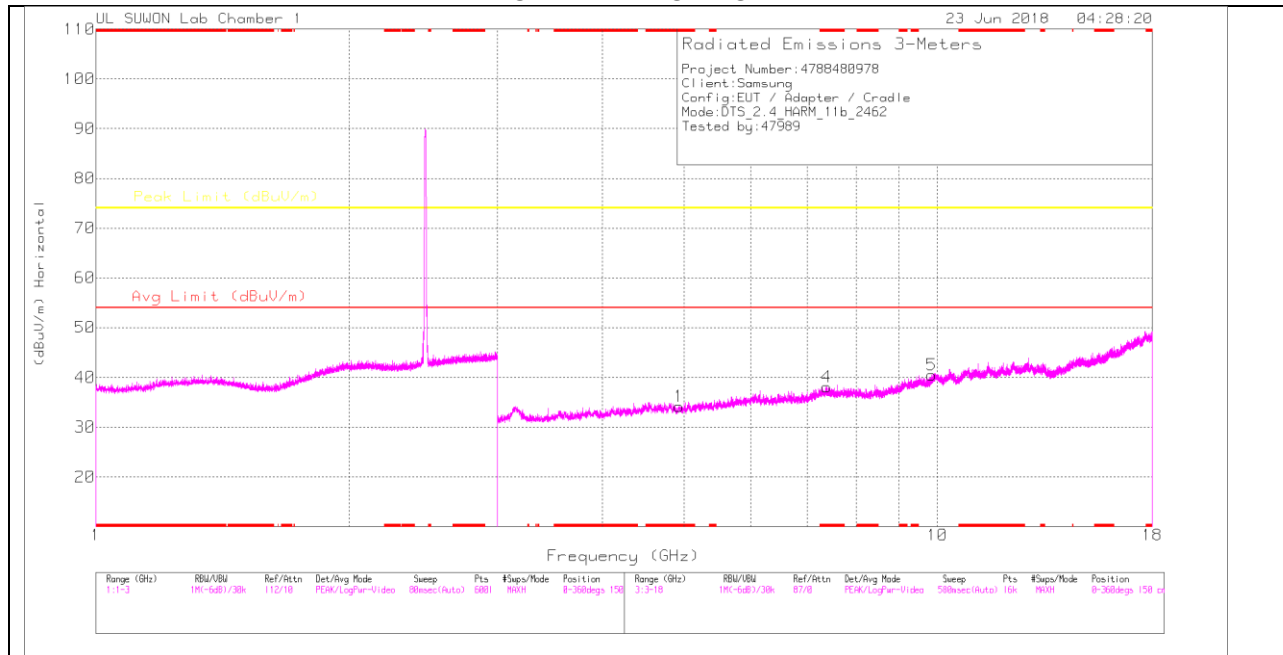
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.881	32.4	PK	33.8	-31.7	0	34.5	-	-	74	-39.5	0-360	250	H
4	* 7.311	29.08	PK	35.9	-27.6	0	37.38	-	-	74	-36.62	0-360	150	H
5	9.75	26.38	PK	36.9	-24.2	0	39.08	-	-	74	-34.92	0-360	150	H
2	* 4.87	33.21	PK	33.8	-31.7	0	35.31	-	-	74	-38.69	0-360	150	V
3	* 7.311	29.06	PK	35.9	-27.6	0	37.36	-	-	74	-36.64	0-360	150	V
6	9.75	26.32	PK	36.9	-24.2	0	39.02	-	-	74	-34.98	0-360	250	V

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

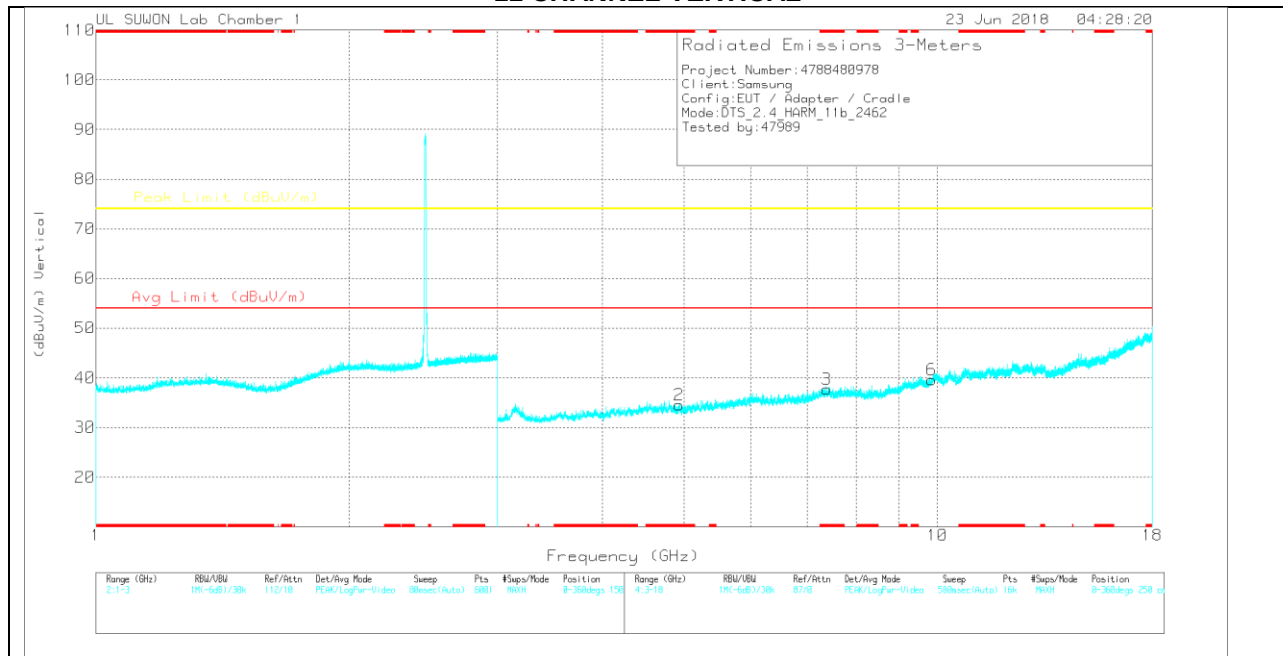
PK – Peak Detector

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

11 CHANNEL HORIZONTAL



11 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.

11 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	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	* 4.927	32.13	PK	33.8	-31.8	0	34.13	-	-	74	-39.87	0-360	150	H
4	* 7.382	29.43	PK	35.9	-27.3	0	38.03	-	-	74	-35.97	0-360	150	H
5	9.84	26.98	PK	37	-23.5	0	40.48	-	-	74	-33.52	0-360	250	H
2	* 4.931	32.51	PK	33.8	-31.8	0	34.51	-	-	74	-39.49	0-360	250	V
3	* 7.386	29.03	PK	35.9	-27.2	0	37.73	-	-	74	-36.27	0-360	250	V
6	9.841	26.11	PK	37	-23.5	0	39.61	-	-	74	-34.39	0-360	250	V

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

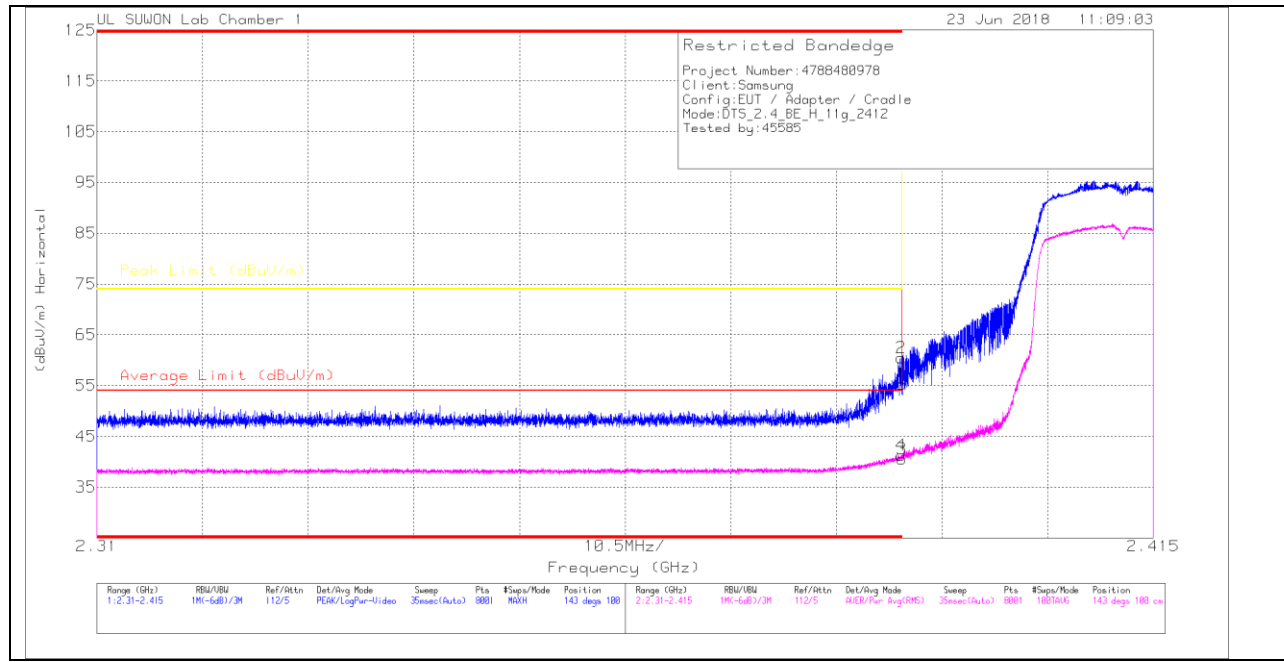
PK – Peak detector

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

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

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

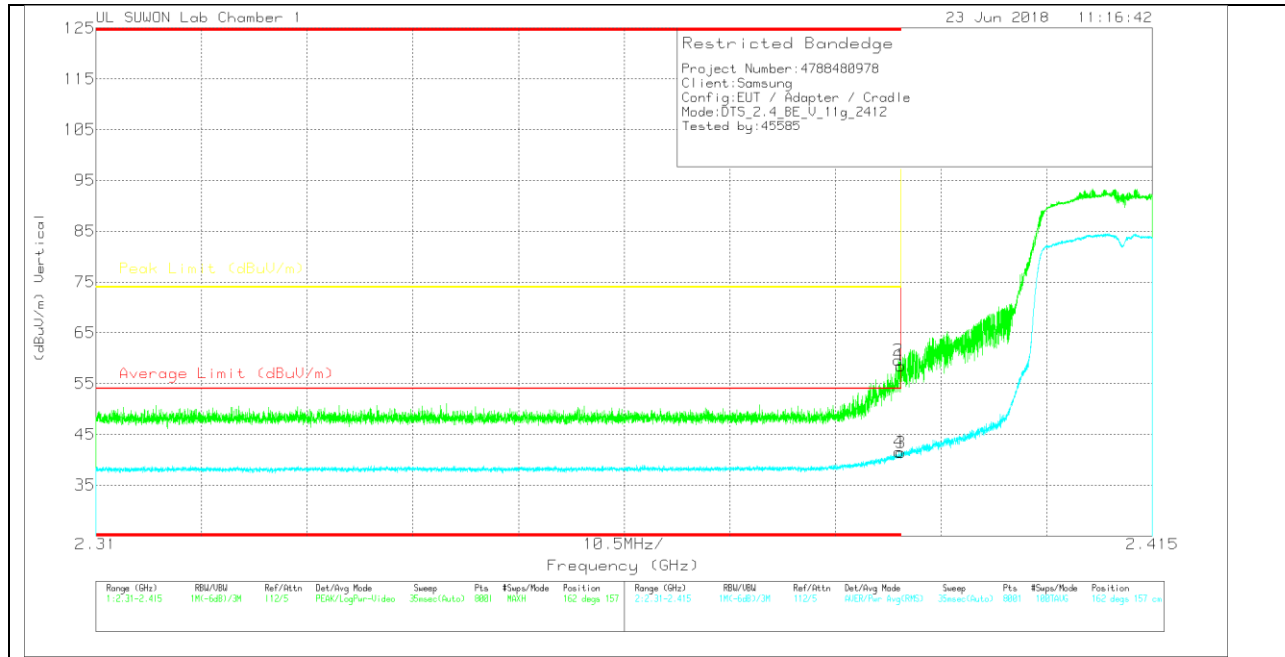
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00108 717	10dB_ATT(170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	49.73	PK	31.3	-25.7	0	55.33	-	-	74	-18.67	143	100	H
2	* 2.39	54.9	PK	31.3	-25.7	0	60.5	-	-	74	-13.5	143	100	H
3	* 2.39	34.82	RMS	31.3	-25.7	.15	40.57	54	-13.43	-	-	143	100	H
4	* 2.39	35.6	RMS	31.3	-25.7	.15	41.35	54	-12.65	-	-	143	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	20170531_3117_00168 717	10dB_ATT(dB)_170809	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	52.89	Pk	31.3	-25.7	0	58.49	-	-	74	-15.51	162	157	V
2	* 2.39	54.06	Pk	31.3	-25.7	0	59.66	-	-	74	-14.34	162	157	V
3	* 2.39	35.72	RMS	31.3	-25.7	.15	41.47	54	-12.53	-	-	162	157	V
4	* 2.39	35.77	RMS	31.3	-25.7	.15	41.52	54	-12.48	-	-	162	157	V

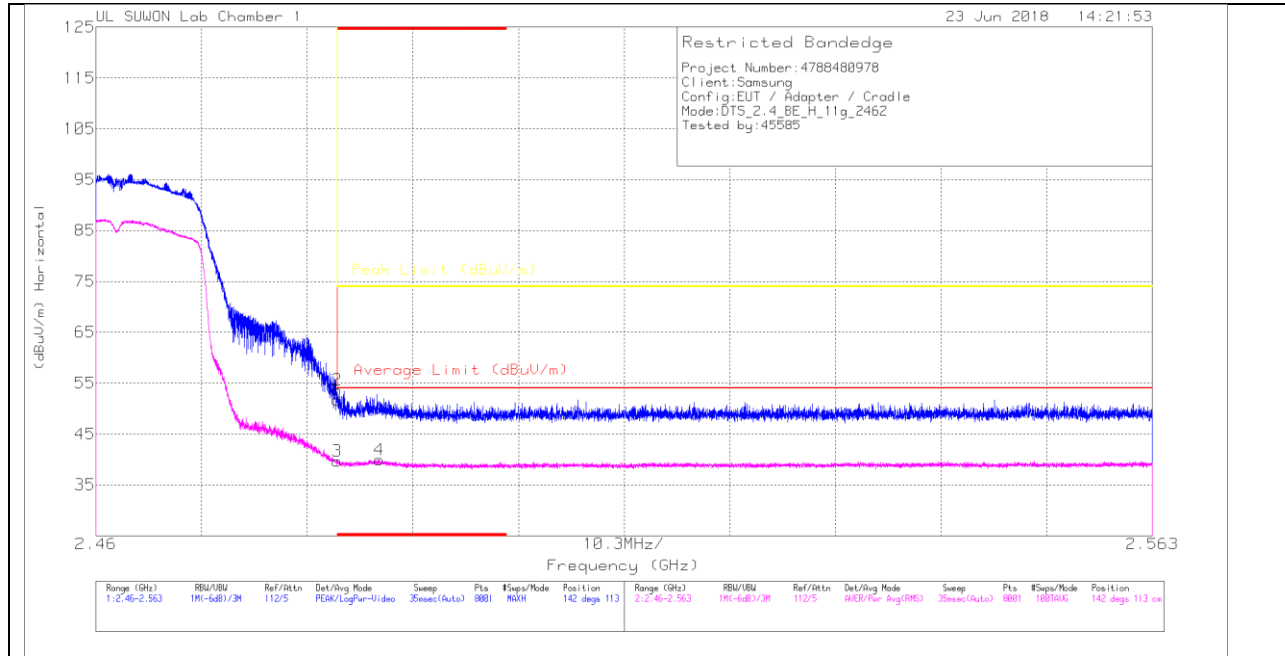
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

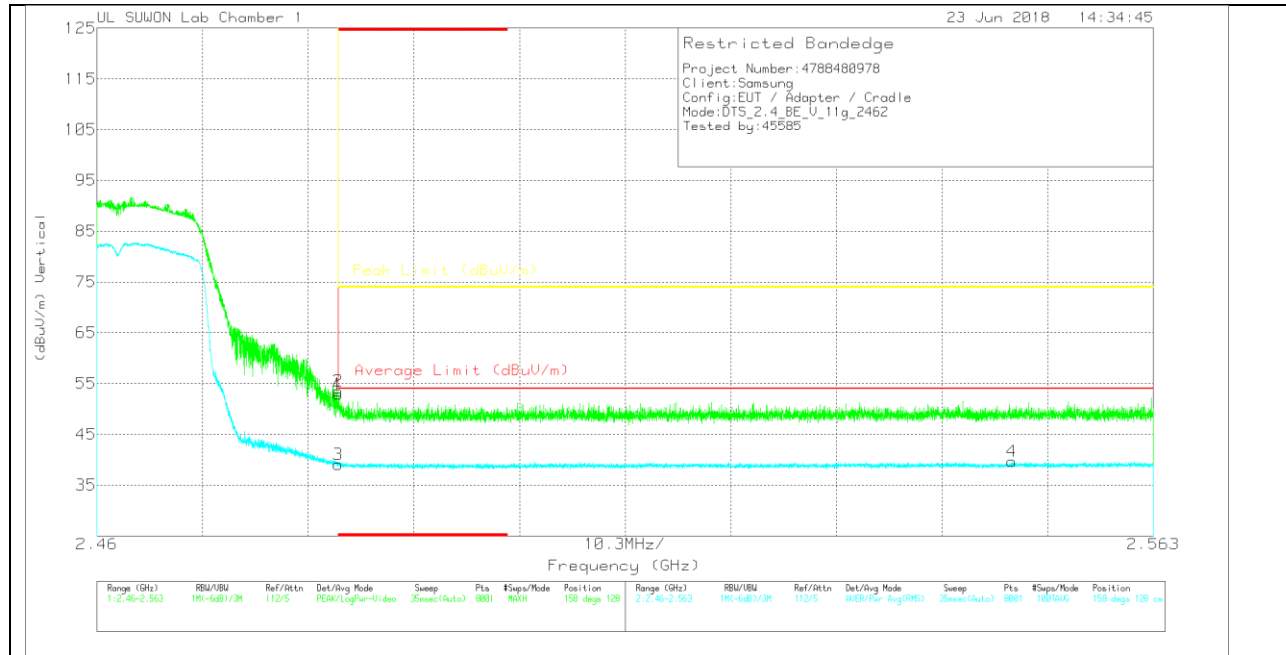
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00108 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	45.54	PK		-25.5	0	51.64	-	-	74	-22.36	142	113	H
2	* 2.484	47.57	PK		-25.5	0	53.67	-	-	74	-20.33	142	113	H
3	* 2.484	33.47	RMS		-25.5	.15	39.72	54	-14.28	-	-	142	113	H
4	* 2.488	33.55	RMS		-25.4	.15	39.9	54	-14.1	-	-	142	113	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	20170531_3117_00168 717	10dB_ATT(dB)_170809	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	46.79	Pk	31.6	-25.5	0	52.89	-	-	74	-21.11	158	128	V
2	* 2.484	47.45	Pk	31.6	-25.5	0	53.55	-	-	74	-20.45	158	128	V
3	* 2.484	32.79	RMS	31.6	-25.5	.15	39.04	54	-14.96	-	-	158	128	V
4	2.549	33.11	RMS	31.7	-25.3	.15	39.66	54	-14.34	-	-	158	128	V

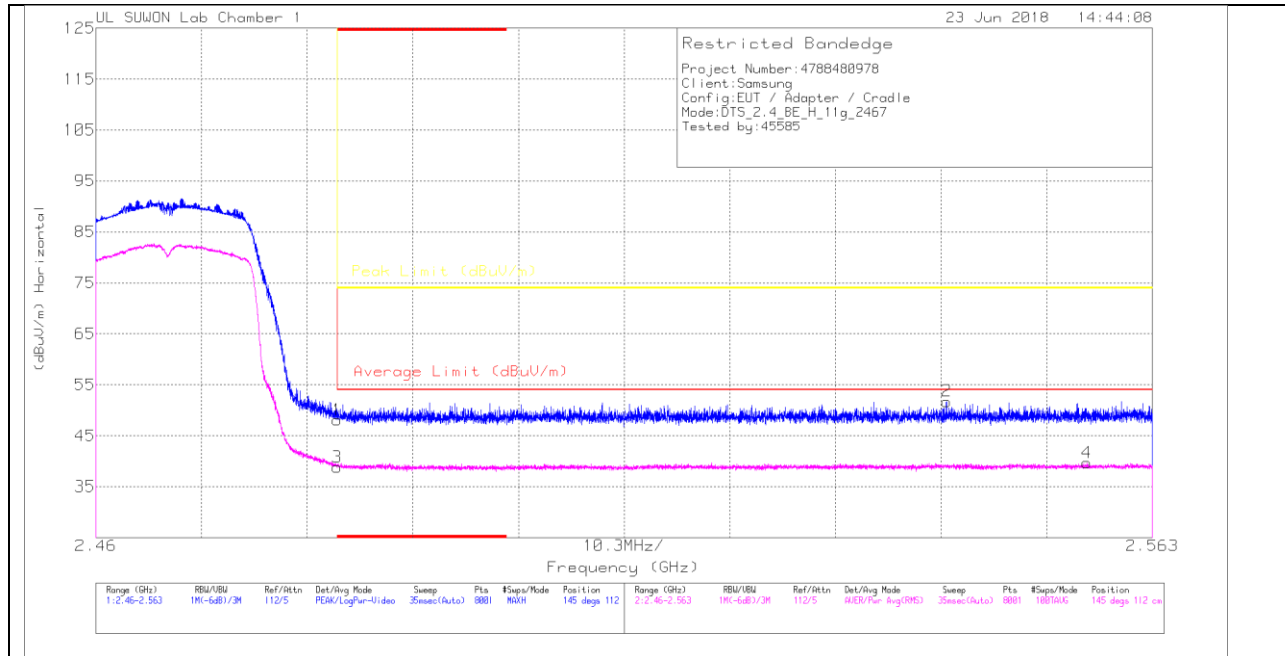
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

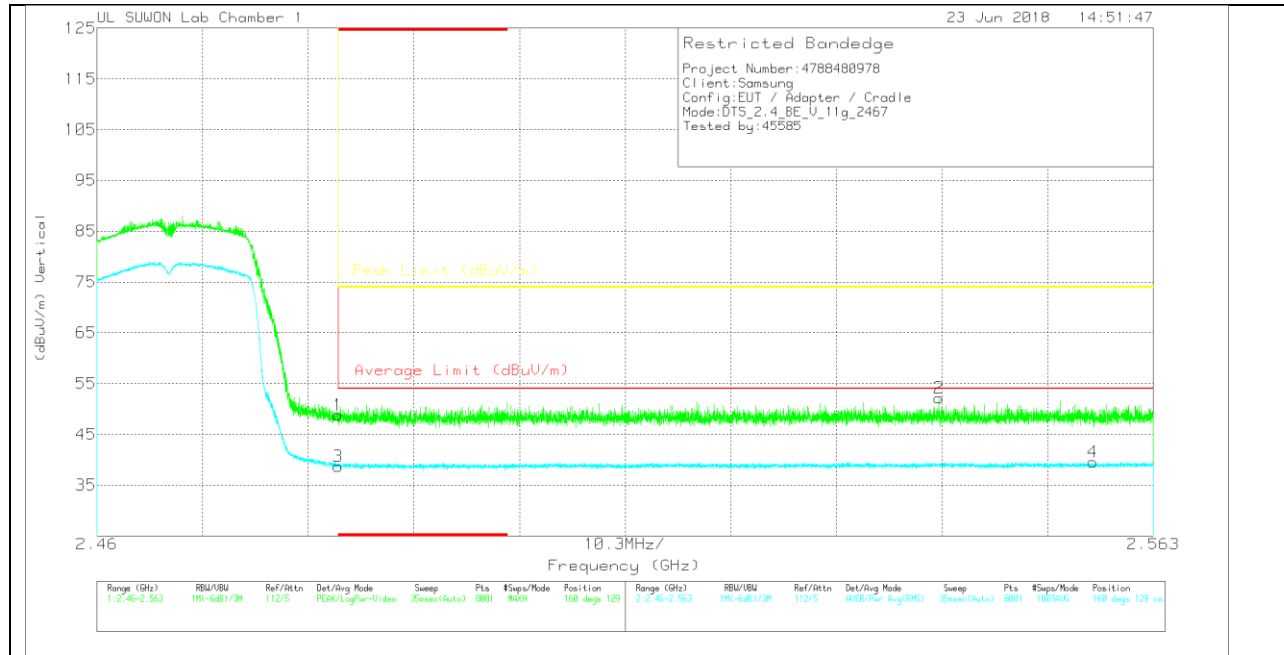
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.03	Pk	31.6	-25.5	0	48.13	-	-	74	-25.87	145	112	H
2	2.543	45.25	Pk	31.7	-25.2	0	51.75	-	-	74	-22.25	145	112	H
3	* 2.484	32.58	RMS	31.6	-25.5	.15	38.83	54	-15.17	-	-	145	112	H
4	2.557	33.19	RMS	31.7	-25.3	.15	39.74	54	-14.26	-	-	145	112	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	20170531_3117_00168 717	10dB_ATT(dB)_170809	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	42.77	Pk	31.6	-25.5	0	48.87	-	-	74	-25.13	160	129	V
2	2.542	45.66	Pk	31.7	-25.2	0	52.16	-	-	74	-21.84	160	129	V
3	* 2.484	32.47	RMS	31.6	-25.5	.15	38.72	54	-15.28	-	-	160	129	V
4	2.557	33.04	RMS	31.7	-25.3	.15	39.59	54	-14.41	-	-	160	129	V

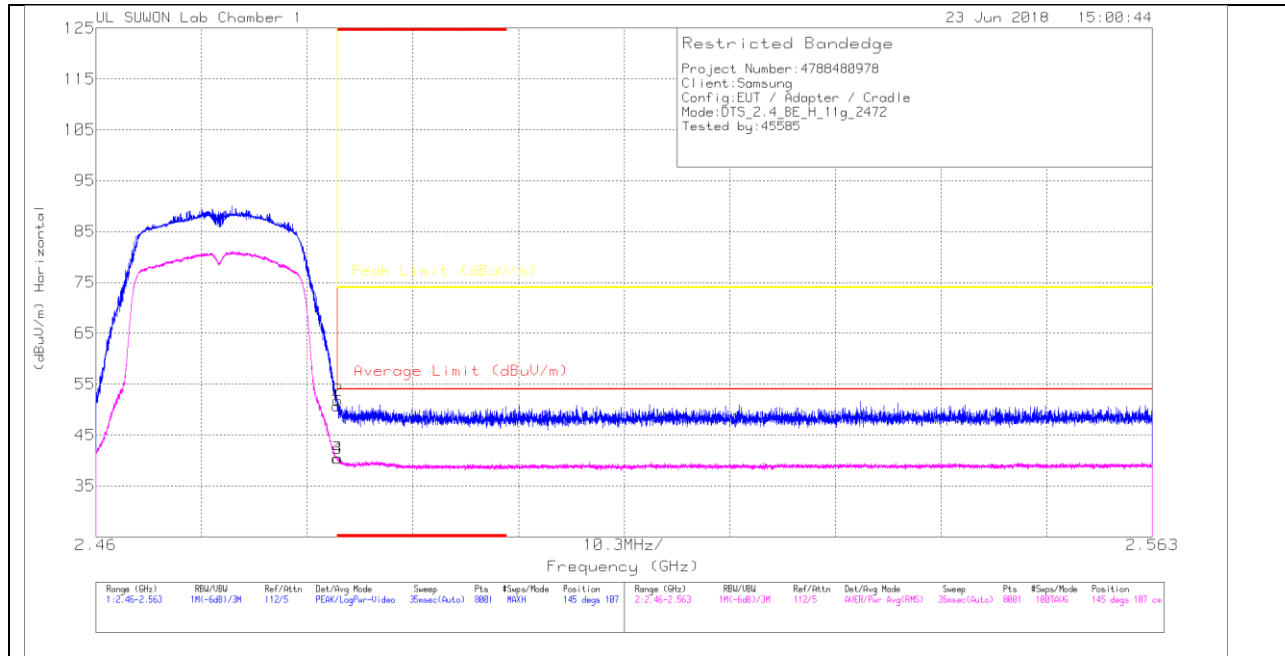
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

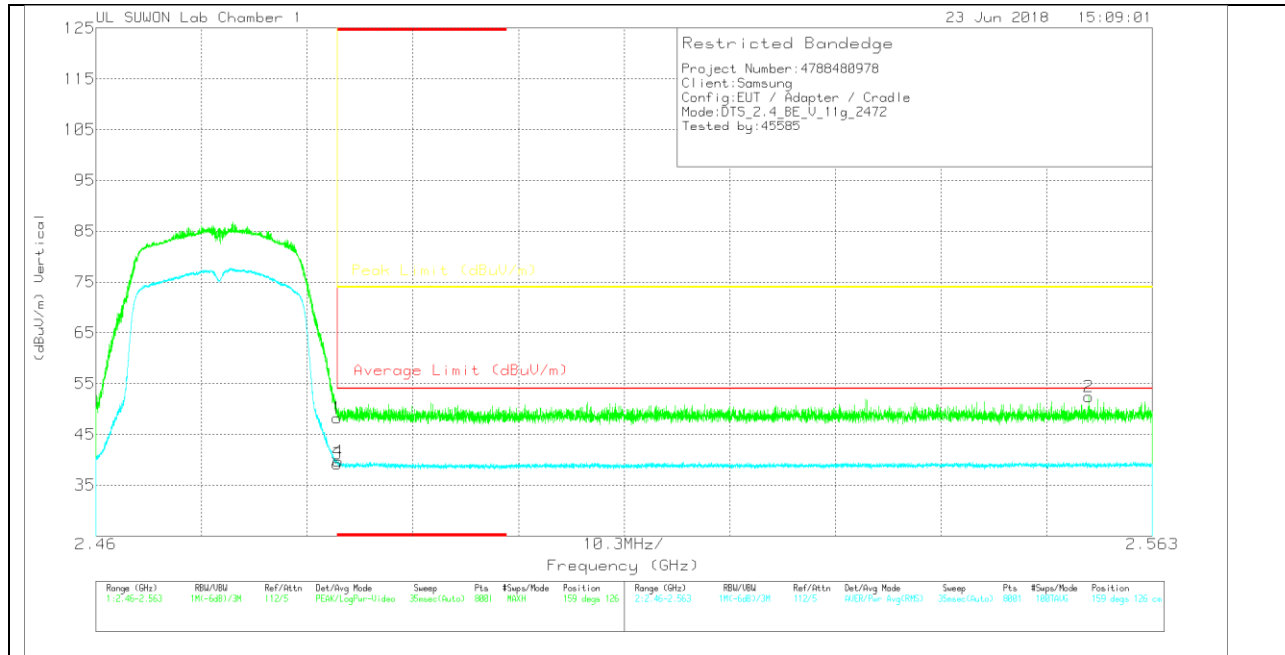
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	44.63	Pk	31.6	-25.5	0	50.73	-	-	74	-23.27	145	107	H
2	* 2.484	45.68	Pk	31.6	-25.5	0	51.78	-	-	74	-22.22	145	107	H
3	* 2.484	34.17	RMS	31.6	-25.5	.15	40.42	54	-13.58	-	-	145	107	H
4	* 2.484	34.16	RMS	31.6	-25.5	.15	40.41	54	-13.59	-	-	145	107	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	20170531_3117_00168 717	10dB_ATT(dB)_170809	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	42.12	Pk	31.6	-25.5	0	48.22	-	-	74	-25.78	159	126	V
2	2.557	46.05	Pk	31.7	-25.3	0	52.45	-	-	74	-21.55	159	126	V
3	* 2.484	32.99	RMS	31.6	-25.5	.15	39.24	54	-14.76	-	-	159	126	V
4	* 2.484	33.43	RMS	31.6	-25.5	.15	39.68	54	-14.32	-	-	159	126	V

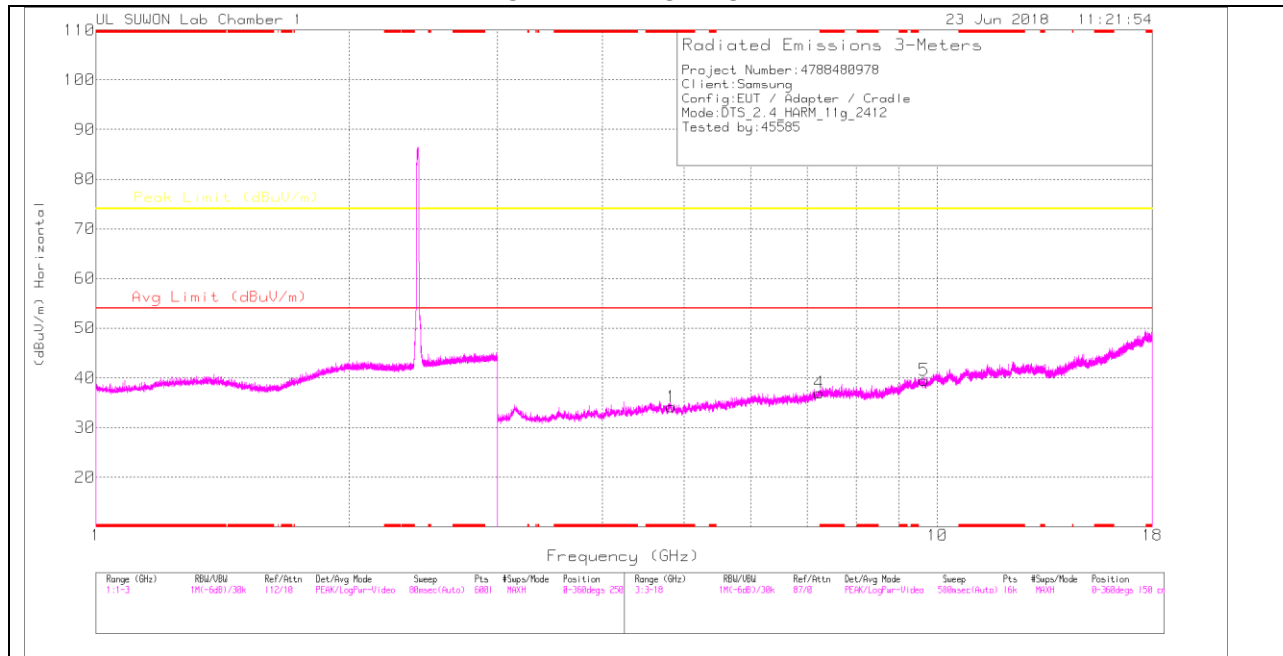
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

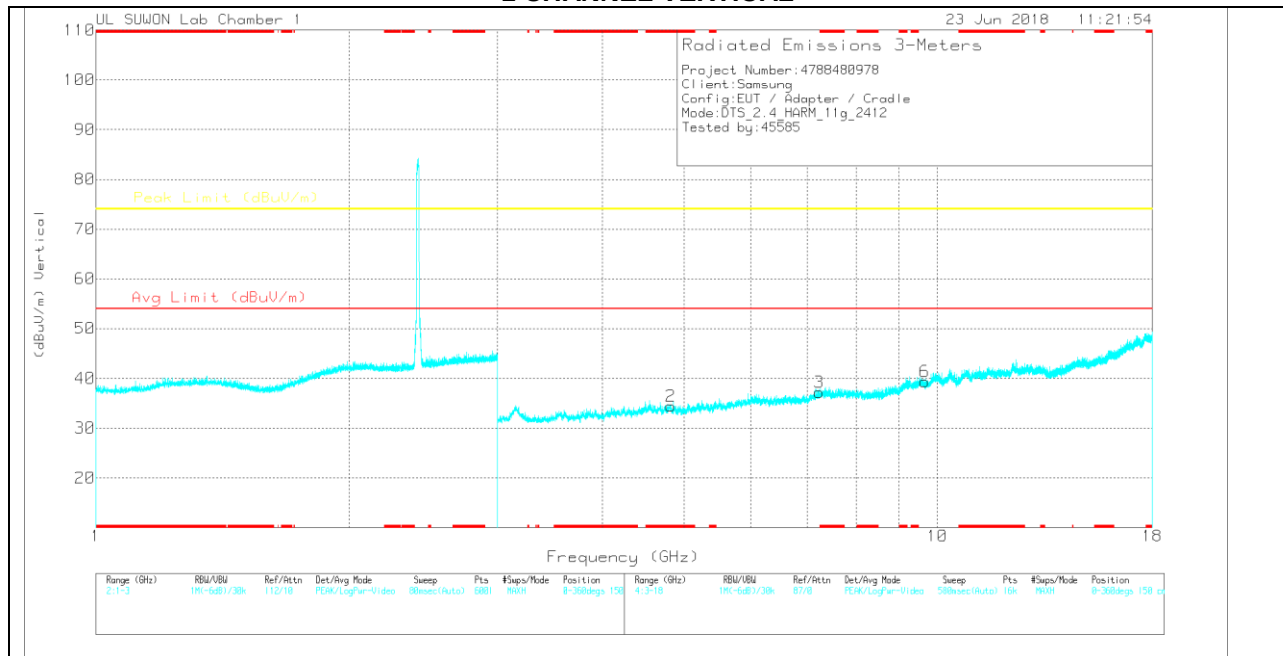
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

1 CHANNEL HORIZONTAL



1 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.

1 CHANNEL DATA

Trace Markers

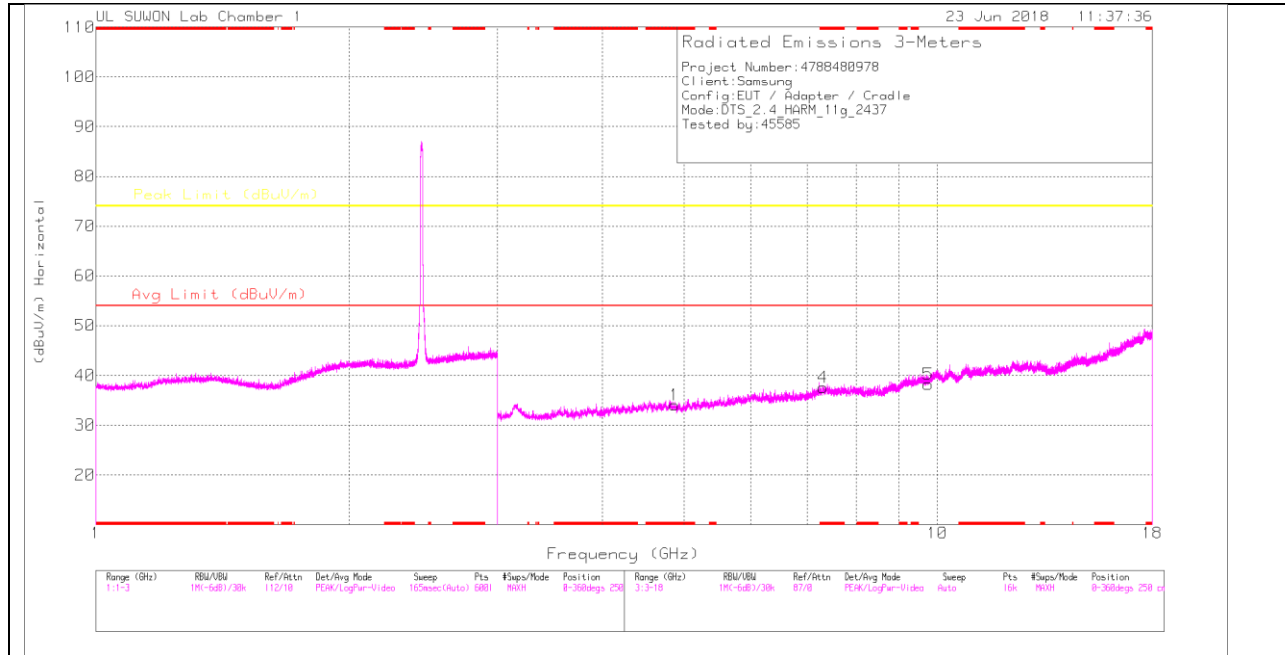
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.826	31.99	PK	33.8	-31.6	0	34.19	-	-	74	-39.81	0-360	150	H
4	7.237	29.11	PK	35.9	-28	0	37.01	-	-	74	-36.99	0-360	250	H
5	9.647	26.44	PK	36.8	-23.7	0	39.54	-	-	74	-34.46	0-360	250	H
2	* 4.823	32.23	PK	33.8	-31.6	0	34.43	-	-	74	-39.57	0-360	250	V
3	7.237	29.29	PK	35.9	-28	0	37.19	-	-	74	-36.81	0-360	250	V
6	9.649	26.26	PK	36.8	-23.7	0	39.36	-	-	74	-34.64	0-360	250	V

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

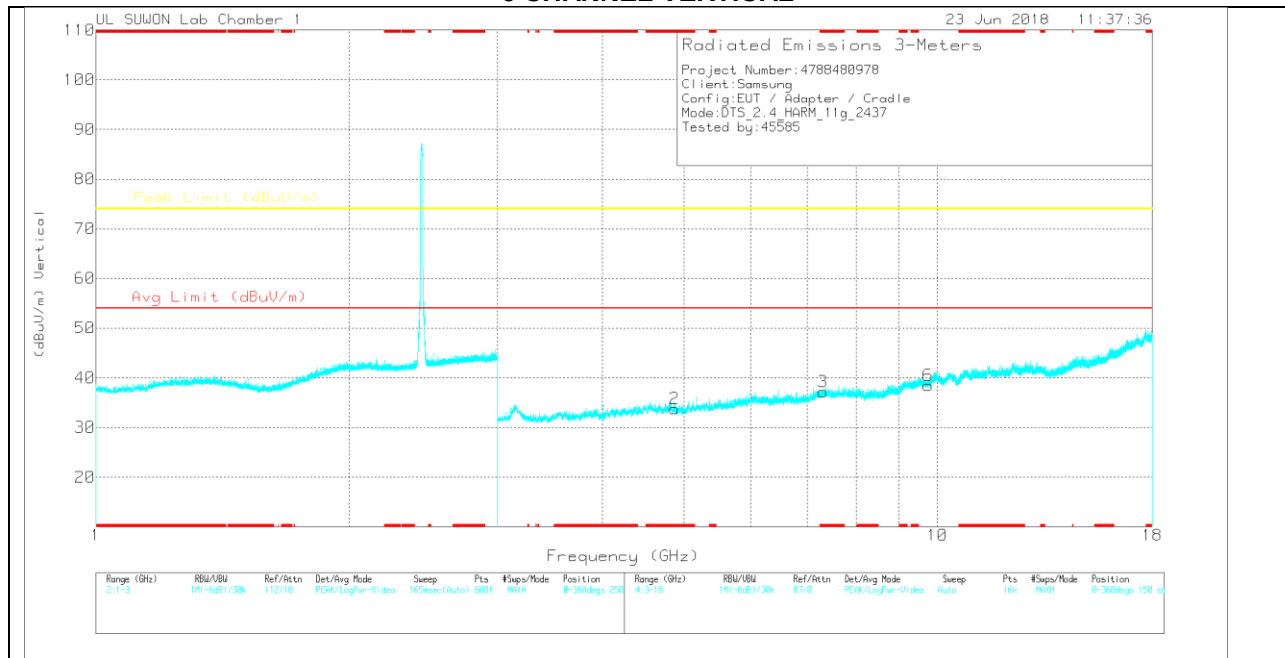
PK – Peak Detector

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

6 CHANNEL HORIZONTAL



6 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.

6 CHANNEL DATA

Trace Markers

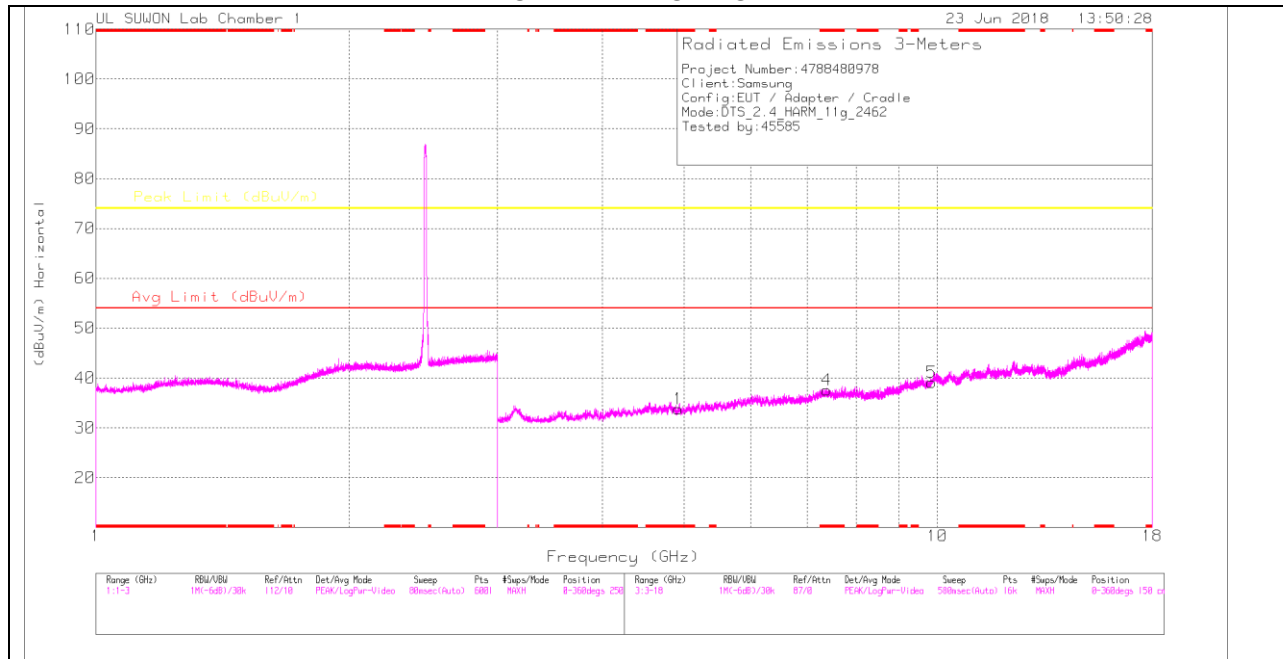
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	31.95	PK	33.8	-31.7	0	34.05	-	-	74	-39.95	0-360	150	H
4	* 7.312	29.29	PK	35.9	-27.6	0	37.59	-	-	74	-36.41	0-360	250	H
5	9.749	25.57	PK	36.9	-24.2	0	38.27	-	-	74	-35.73	0-360	150	H
2	* 4.875	31.73	PK	33.8	-31.7	0	33.83	-	-	74	-40.17	0-360	150	V
3	* 7.309	28.98	PK	35.9	-27.7	0	37.18	-	-	74	-36.82	0-360	150	V
6	9.749	25.76	PK	36.9	-24.2	0	38.46	-	-	74	-35.54	0-360	250	V

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

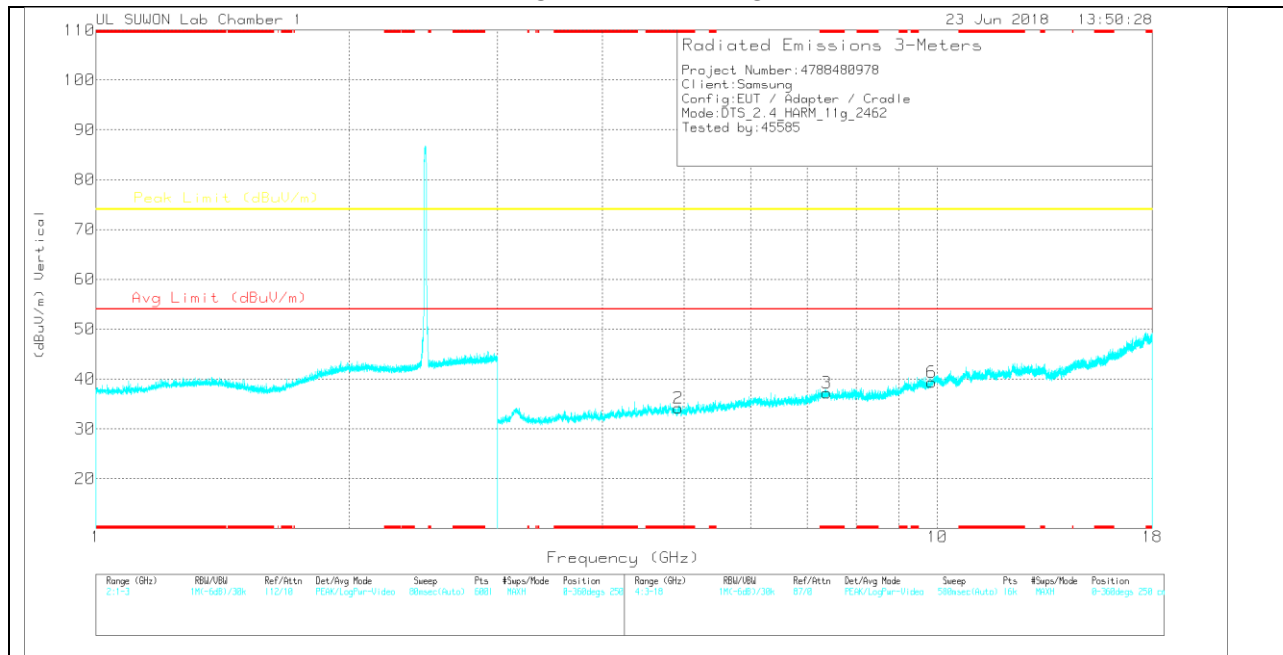
PK – Peak Detector

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

11 CHANNEL HORIZONTAL



11 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.

11 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	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	* 4.925	31.82	PK	33.8	-31.8	0	33.82	-	-	74	-40.18	0-360	250	H
4	* 7.39	28.94	PK	35.9	-27.2	0	37.64	-	-	74	-36.36	0-360	150	H
5	9.848	25.51	PK	37	-23.4	0	39.11	-	-	74	-34.89	0-360	250	H
2	* 4.926	32.21	PK	33.8	-31.8	0	34.21	-	-	74	-39.79	0-360	250	V
3	* 7.387	28.55	PK	35.9	-27.2	0	37.25	-	-	74	-36.75	0-360	250	V
6	9.848	25.71	PK	37	-23.4	0	39.31	-	-	74	-34.69	0-360	250	V

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

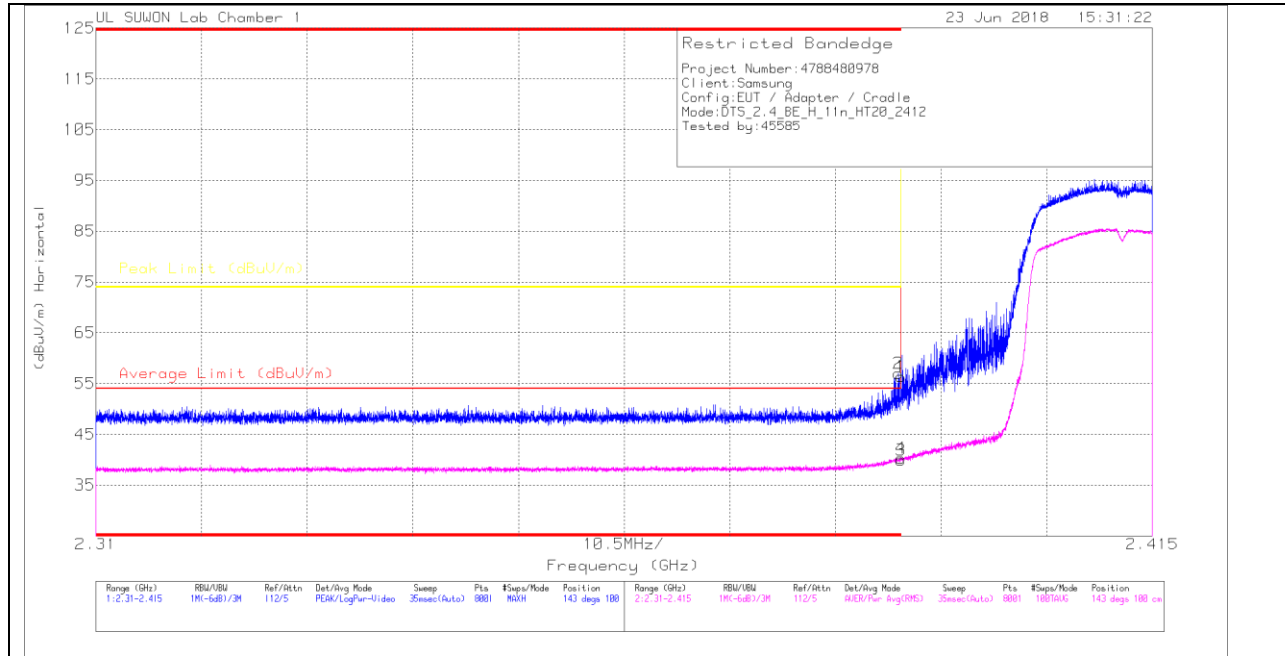
PK – Peak Detector

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

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

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

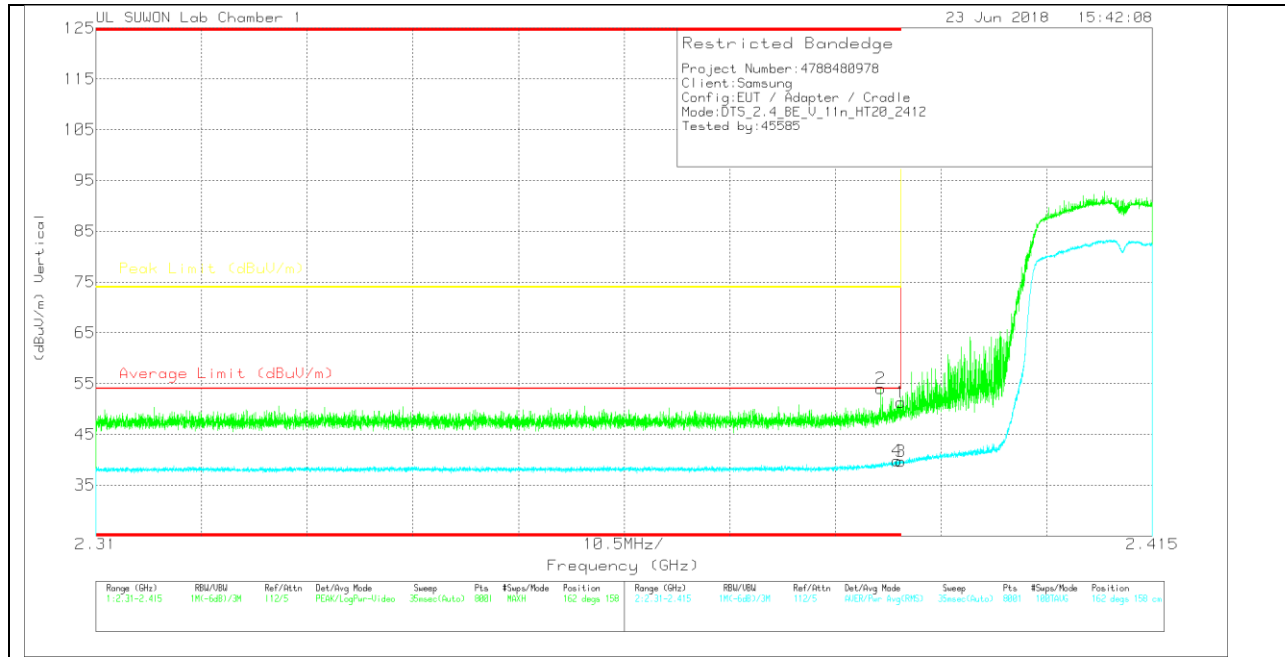
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	50.78	Pk	31.3	-25.7	0	56.38	-	-	74	-17.62	143	100	H
2	* 2.39	51.42	Pk	31.3	-25.7	0	57.02	-	-	74	-16.98	143	100	H
3	* 2.39	34.18	RMS	31.3	-25.7	.16	39.94	54	-14.06	-	-	143	100	H
4	* 2.39	34.6	RMS	31.3	-25.7	.16	40.36	54	-13.64	-	-	143	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	20170531_3117_00168 717	10dB_ATT(dB)_170809	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	45.68	Pk	31.3	-25.7	0	51.28	-	-	74	-22.72	162	158	V
2	* 2.388	48.45	Pk	31.3	-25.7	0	54.05	-	-	74	-19.95	162	158	V
3	* 2.39	33.93	RMS	31.3	-25.7	.16	39.69	54	-14.31	-	-	162	158	V
4	* 2.39	34.05	RMS	31.3	-25.7	.16	39.81	54	-14.19	-	-	162	158	V

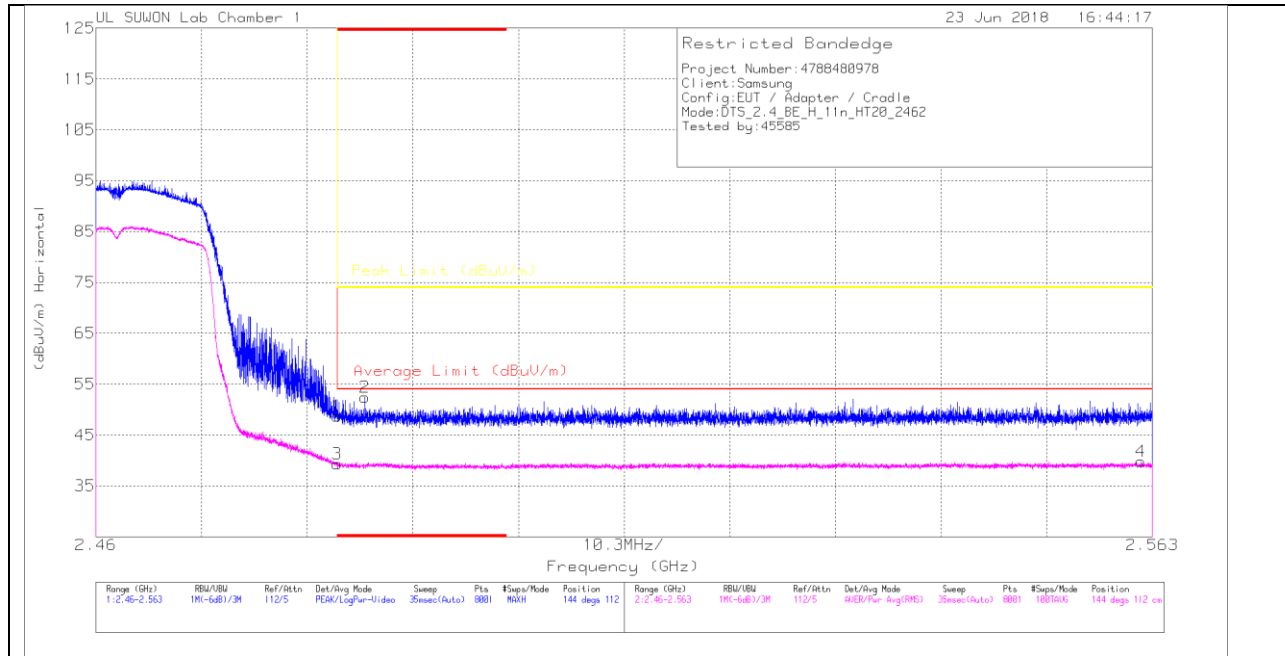
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

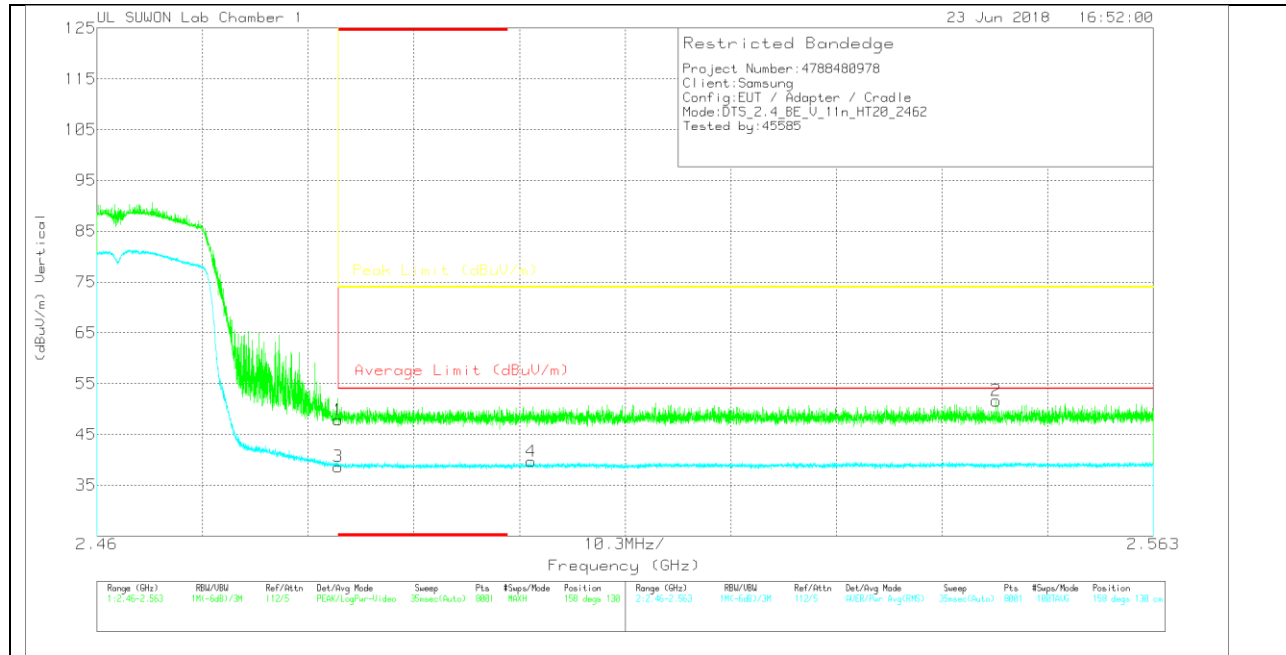
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.57	Pk	31.6	-25.5	0	48.67	-	-	74	-25.33	144	112	H
2	* 2.486	46.23	Pk	31.6	-25.4	0	52.43	-	-	74	-21.57	144	112	H
3	* 2.484	33.09	RMS	31.6	-25.5	.16	39.35	54	-14.65	-	-	144	112	H
4	2.562	33.2	RMS	31.7	-25.3	.16	39.76	54	-14.24	-	-	144	112	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	20170531_3117_00168 717	10dB_ATT(dB)_170809	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	41.73	Pk	31.6	-25.5	0	47.83	-	-	74	-26.17	158	130	V
2	2.548	45.33	Pk	31.7	-25.4	0	51.63	-	-	74	-22.37	158	130	V
3	* 2.484	32.38	RMS	31.6	-25.5	.16	38.64	54	-15.36	-	-	158	130	V
4	2.502	33.2	RMS	31.6	-25.3	.16	39.66	54	-14.34	-	-	158	130	V

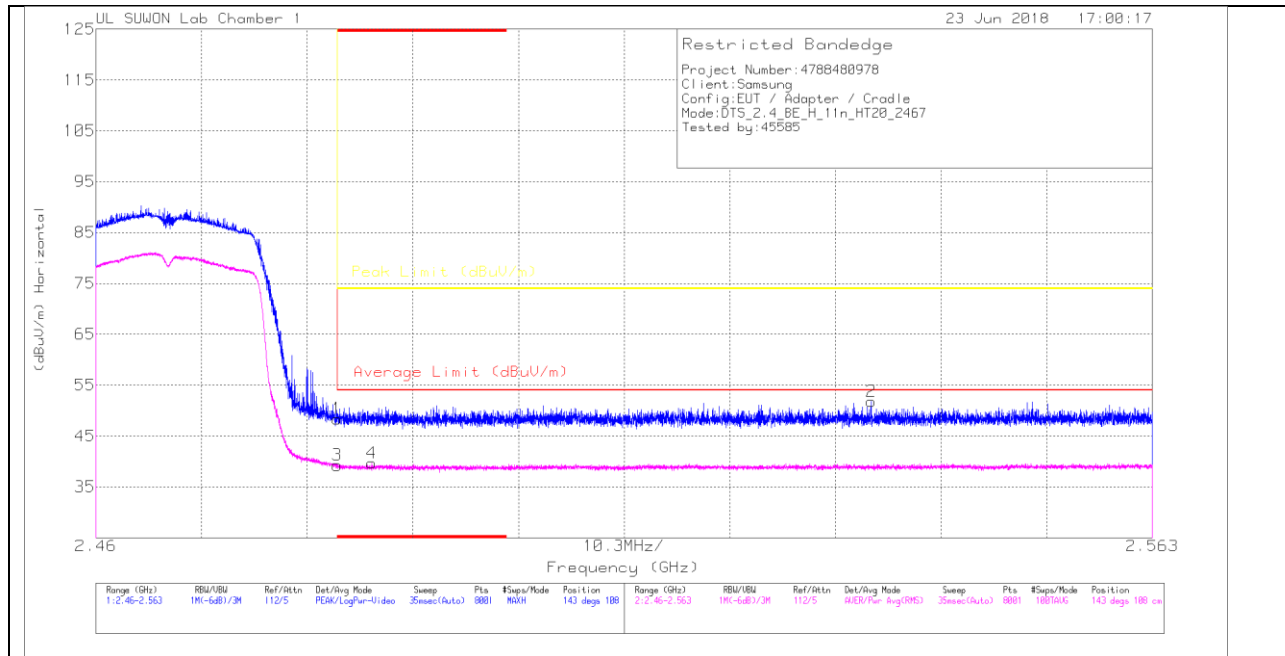
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

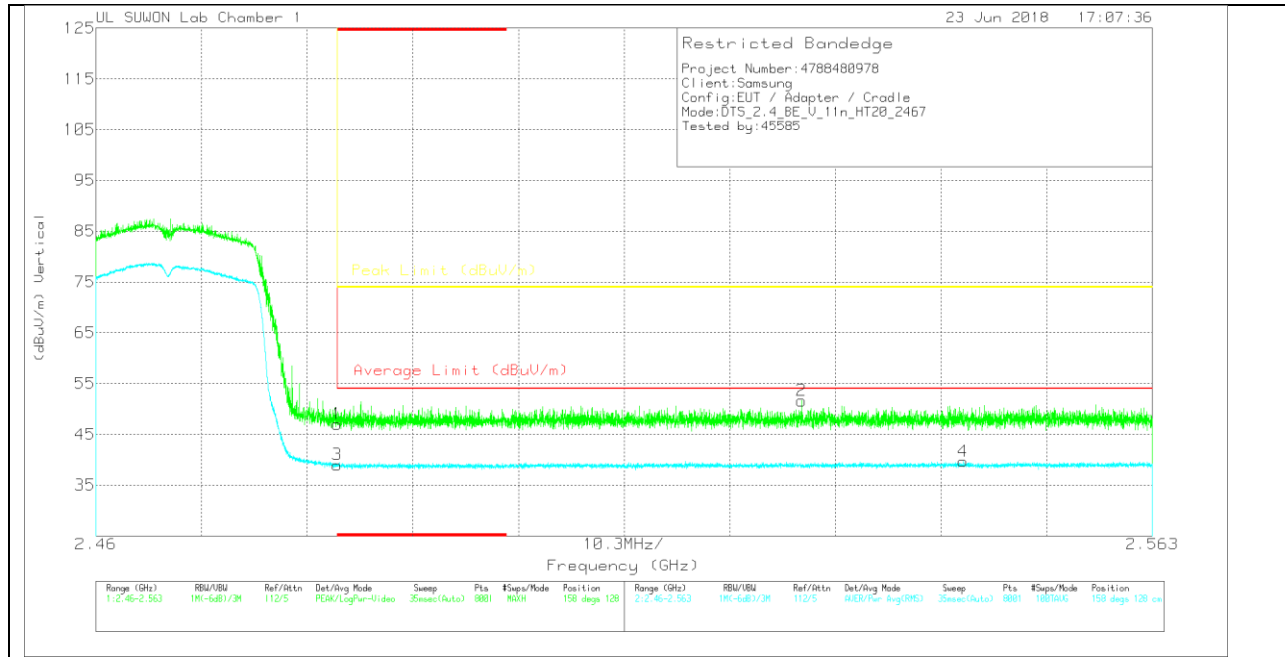
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00108 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.31	PK	31.6	-25.5	0	48.41	-	-	74	-25.59	143	108	H
2	2.536	45.56	PK	31.7	-25.4	0	51.86	-	-	74	-22.14	143	108	H
3	* 2.484	33	RMS	31.6	-25.5	.16	39.26	54	-14.74	-	-	143	108	H
4	* 2.487	33.32	RMS	31.6	-25.4	.16	39.68	54	-14.32	-	-	143	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	20170531_3117_00168 717	10dB_ATT(dB)_170809	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	40.95	Pk	31.6	-25.5	0	47.05	-	-	74	-26.95	158	128	V
2	2.529	45.33	Pk	31.7	-25.4	0	51.63	-	-	74	-22.37	158	128	V
3	* 2.484	32.75	RMS	31.6	-25.5	.16	39.01	54	-14.99	-	-	158	128	V
4	2.545	33.02	RMS	31.7	-25.2	.16	39.68	54	-14.32	-	-	158	128	V

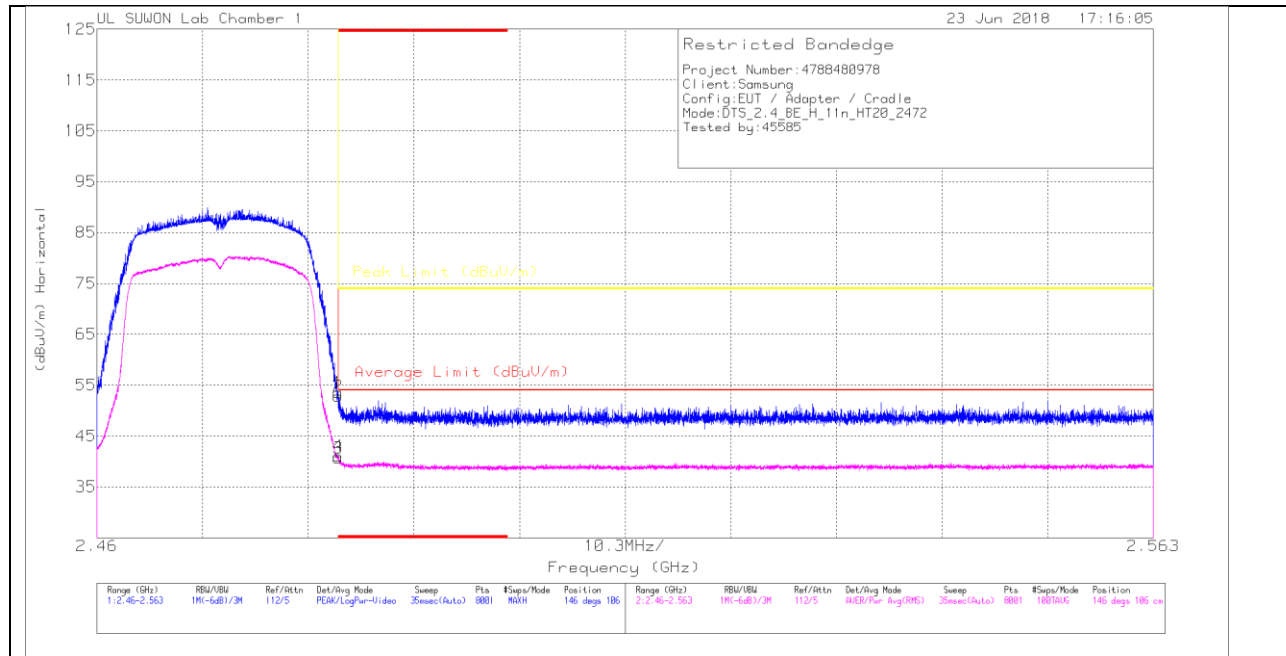
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

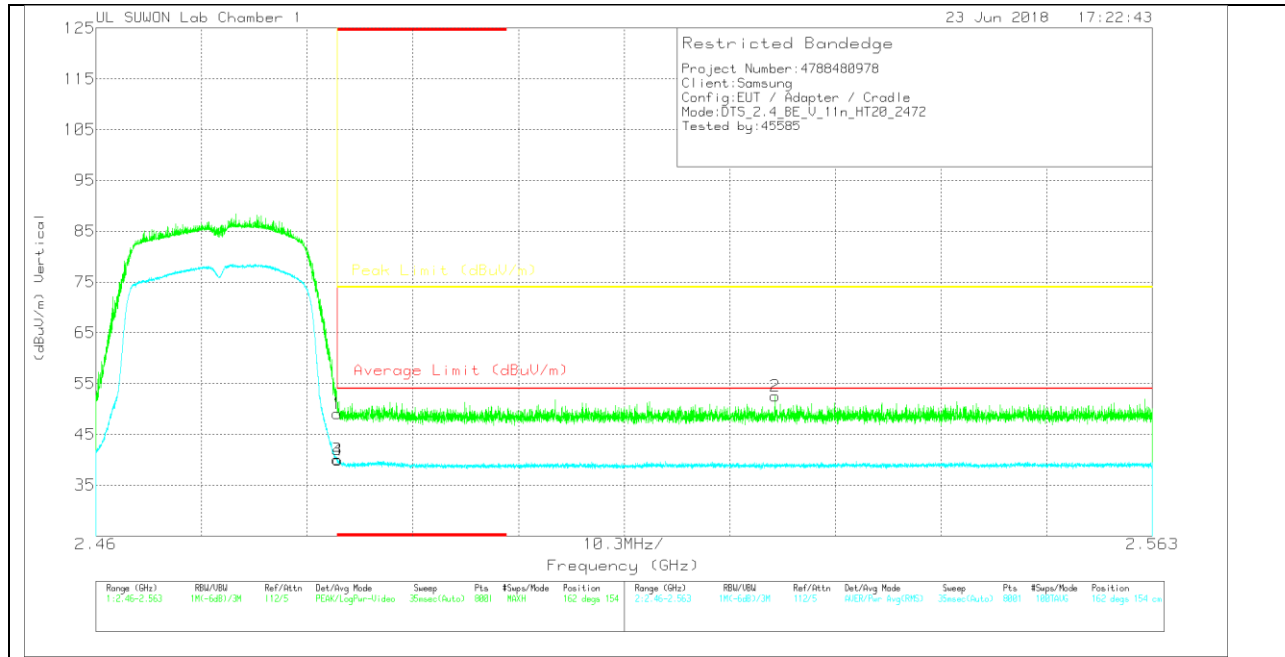
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00108 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	47.46	PK	31.6	-25.5	0	53.56	-	-	74	-20.44	146	106	H
2	* 2.484	46.65	PK	31.6	-25.5	0	52.75	-	-	74	-21.25	146	106	H
3	* 2.484	34.43	RMS	31.6	-25.5	.16	40.69	54	-13.31	-	-	146	106	H
4	* 2.484	34.74	RMS	31.6	-25.5	.16	41	54	-13	-	-	146	106	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	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	43.03	Pk	31.6	-25.5	0	49.13	-	-	74	-24.87	162	154	V
2	2.526	46.19	Pk	31.7	-25.3	0	52.59	-	-	74	-21.41	162	154	V
3	* 2.484	33.79	RMS	31.6	-25.5	.16	40.05	54	-13.95	-	-	162	154	V
4	* 2.484	33.64	RMS	31.6	-25.5	.16	39.9	54	-14.1	-	-	162	154	V

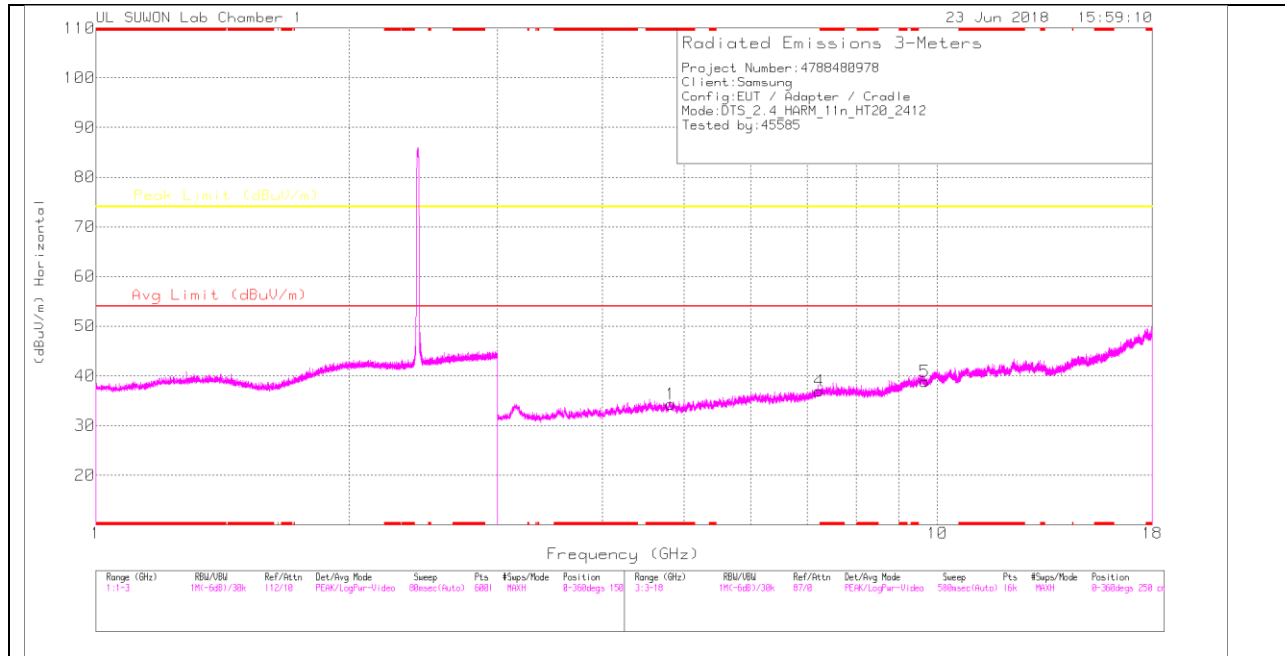
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

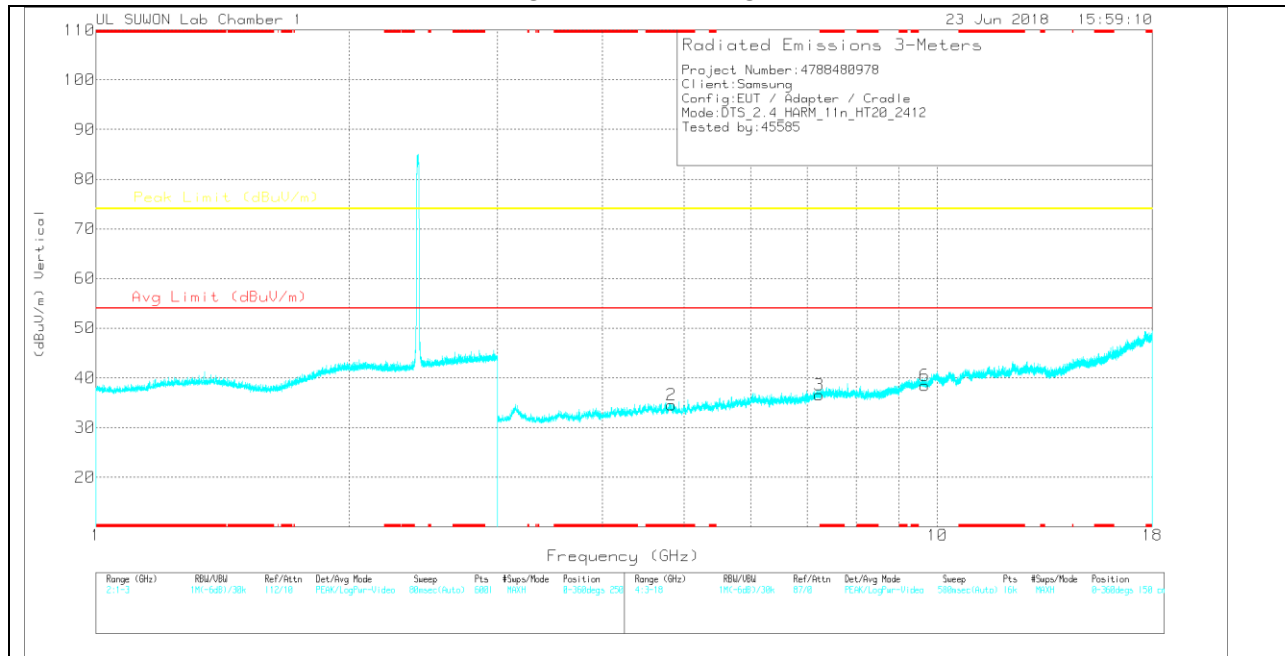
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

1 CHANNEL HORIZONTAL



1 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.

1 CHANNEL DATA

Trace Markers

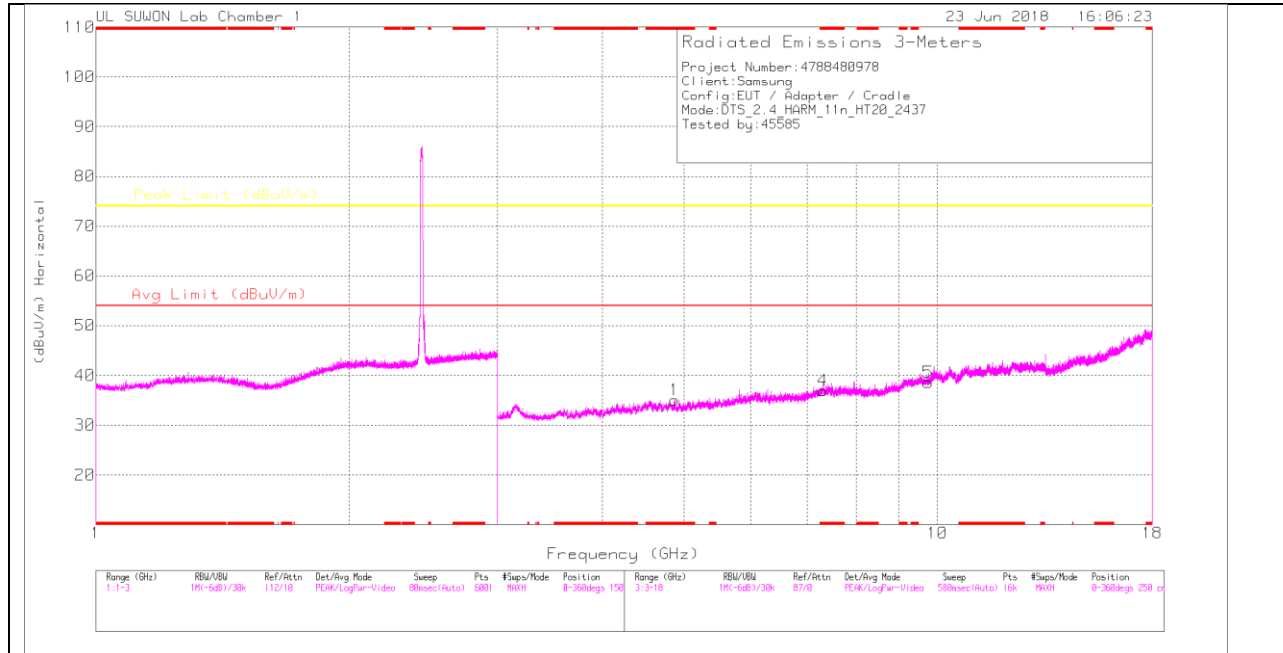
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	32.15	PK	33.8	-31.6	0	34.35	-	-	74	-39.65	0-360	250	H
4	7.236	29.03	PK	35.9	-28	0	36.93	-	-	74	-37.07	0-360	250	H
5	9.649	25.71	PK	36.8	-23.7	0	38.81	-	-	74	-35.19	0-360	250	H
2	* 4.826	32.32	PK	33.8	-31.6	0	34.52	-	-	74	-39.48	0-360	150	V
3	7.236	28.64	PK	35.9	-28	0	36.54	-	-	74	-37.46	0-360	250	V
6	9.649	25.42	PK	36.8	-23.7	0	38.52	-	-	74	-35.48	0-360	150	V

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

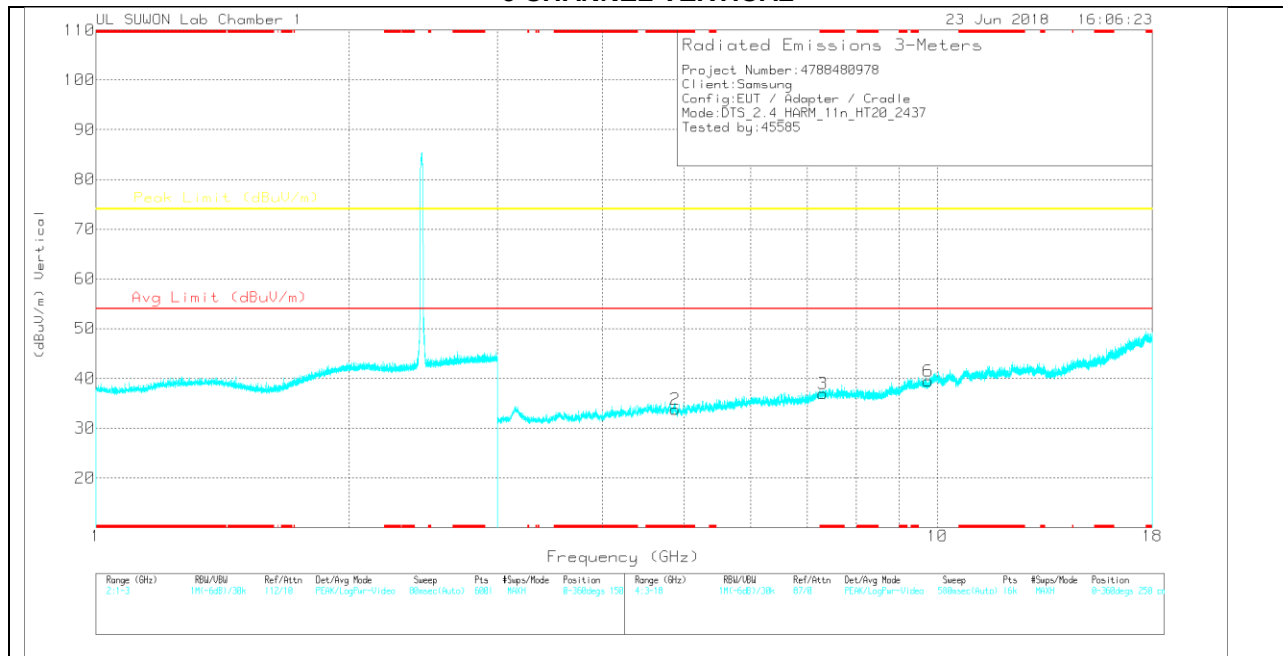
PK – Peak Detector

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

6 CHANNEL HORIZONTAL



6 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.

6 CHANNEL DATA

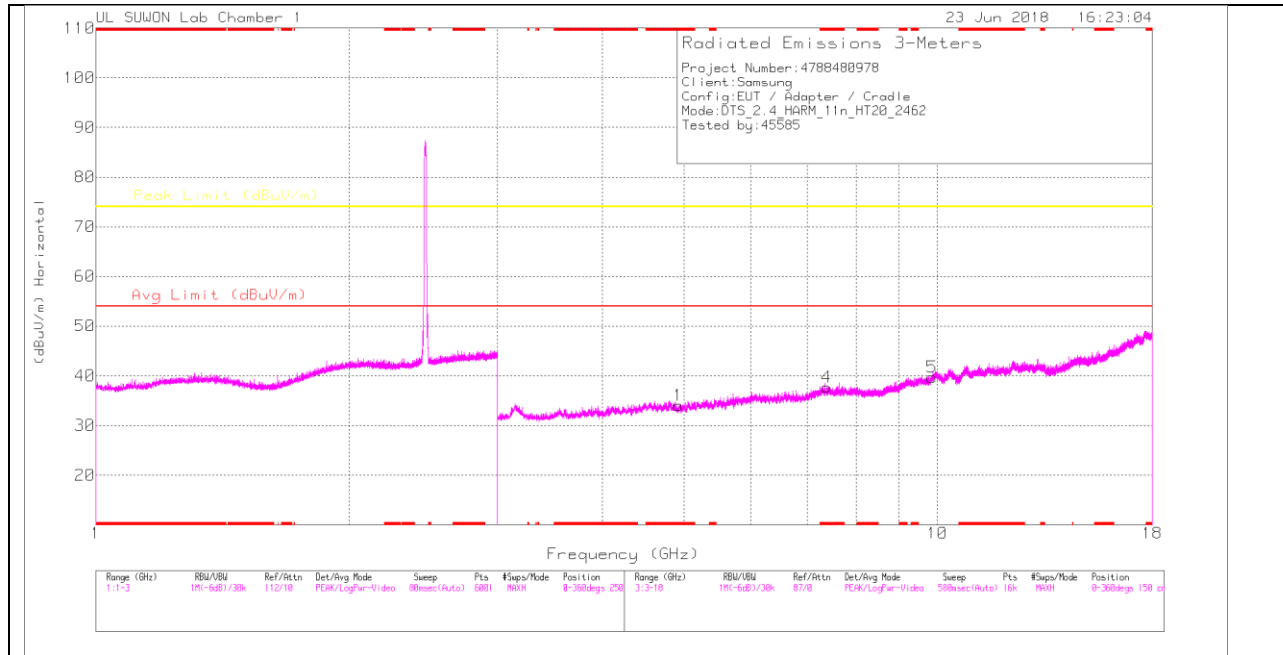
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687 17	3GHz_HP(dB)_170809	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	32.99	PK	33.8	-31.7	0	35.09	-	-	74	-38.91	0-360	250	H
4	* 7.311	28.62	PK	35.9	-27.6	0	36.92	-	-	74	-37.08	0-360	250	H
5	9.749	25.93	PK	36.9	-24.2	0	38.63	-	-	74	-35.37	0-360	250	H
2	* 4.876	31.65	PK	33.8	-31.7	0	33.75	-	-	74	-40.25	0-360	150	V
3	* 7.311	28.6	PK	35.9	-27.6	0	36.9	-	-	74	-37.1	0-360	250	V
6	9.749	26.75	PK	36.9	-24.2	0	39.45	-	-	74	-34.55	0-360	150	V

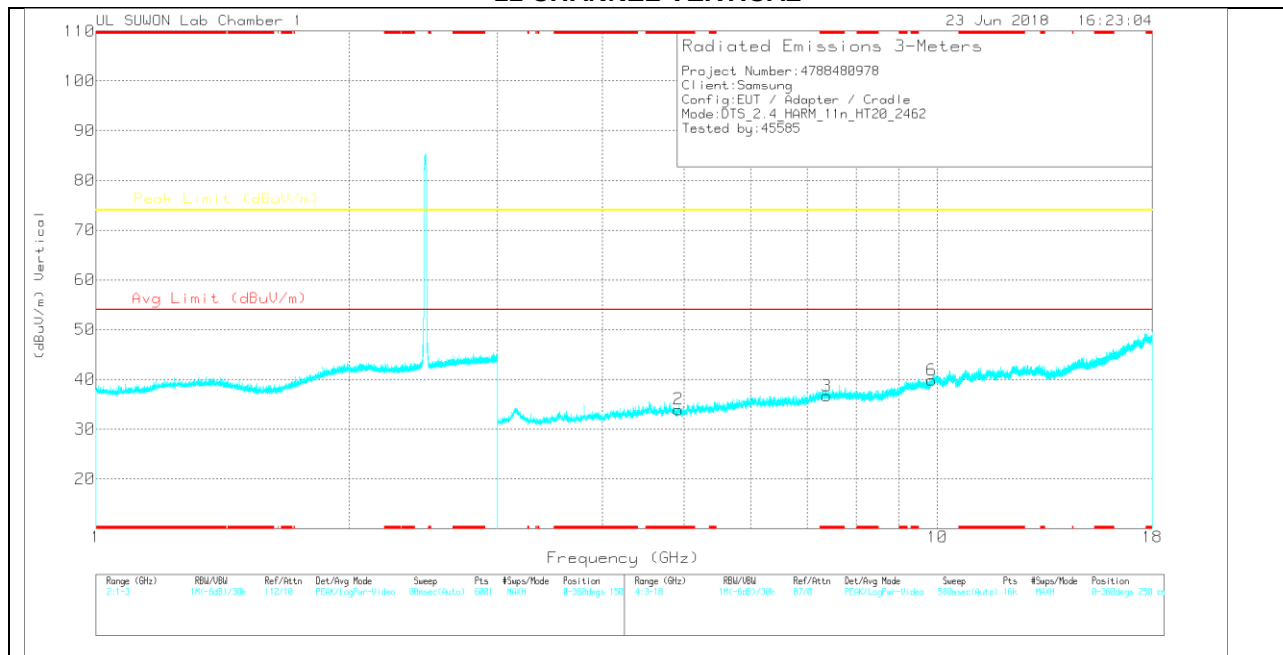
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

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

11 CHANNEL HORIZONTAL



11 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.

11 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	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	32.03	PK	33.8	-31.8	0	34.03	-	-	74	-39.97	0-360	250	H
4	* 7.386	29.03	PK	35.9	-27.2	0	37.73	-	-	74	-36.27	0-360	150	H
5	9.85	26.09	PK	37	-23.4	0	39.69	-	-	74	-34.31	0-360	150	H
2	* 4.925	31.98	PK	33.8	-31.8	0	33.98	-	-	74	-40.02	0-360	250	V
3	* 7.385	28.03	PK	35.9	-27.2	0	36.73	-	-	74	-37.27	0-360	250	V
6	9.849	26.31	PK	37	-23.4	0	39.91	-	-	74	-34.09	0-360	250	V

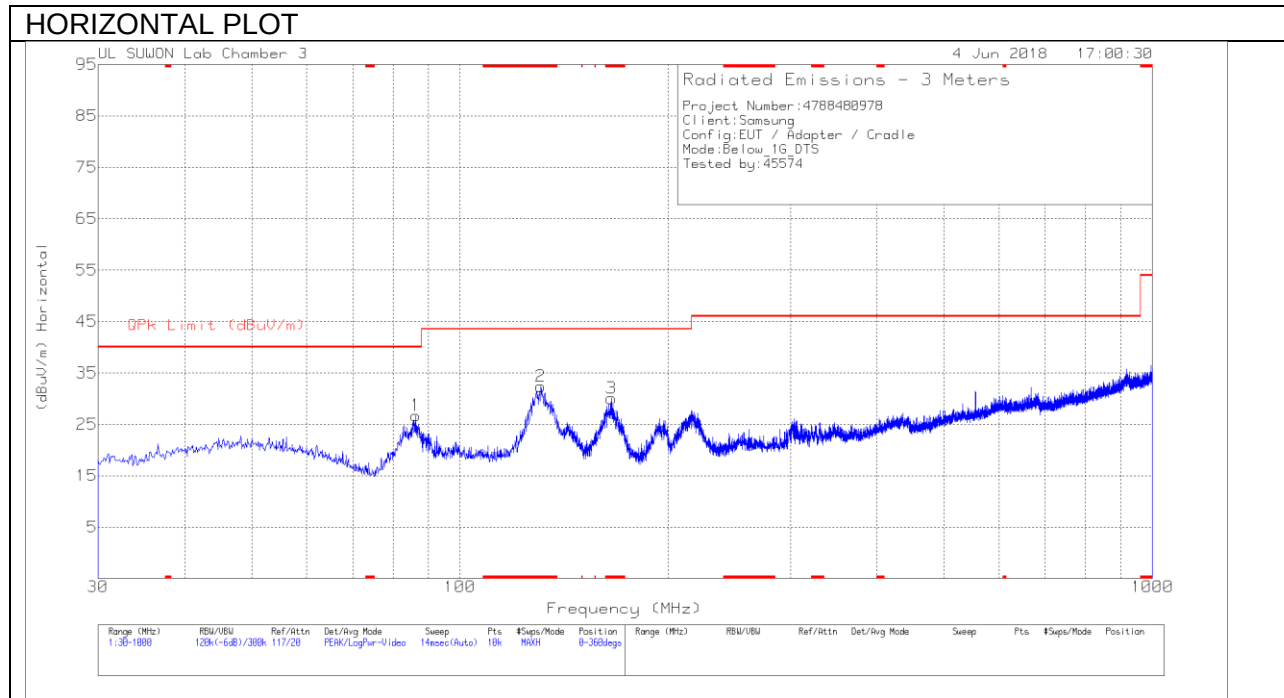
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

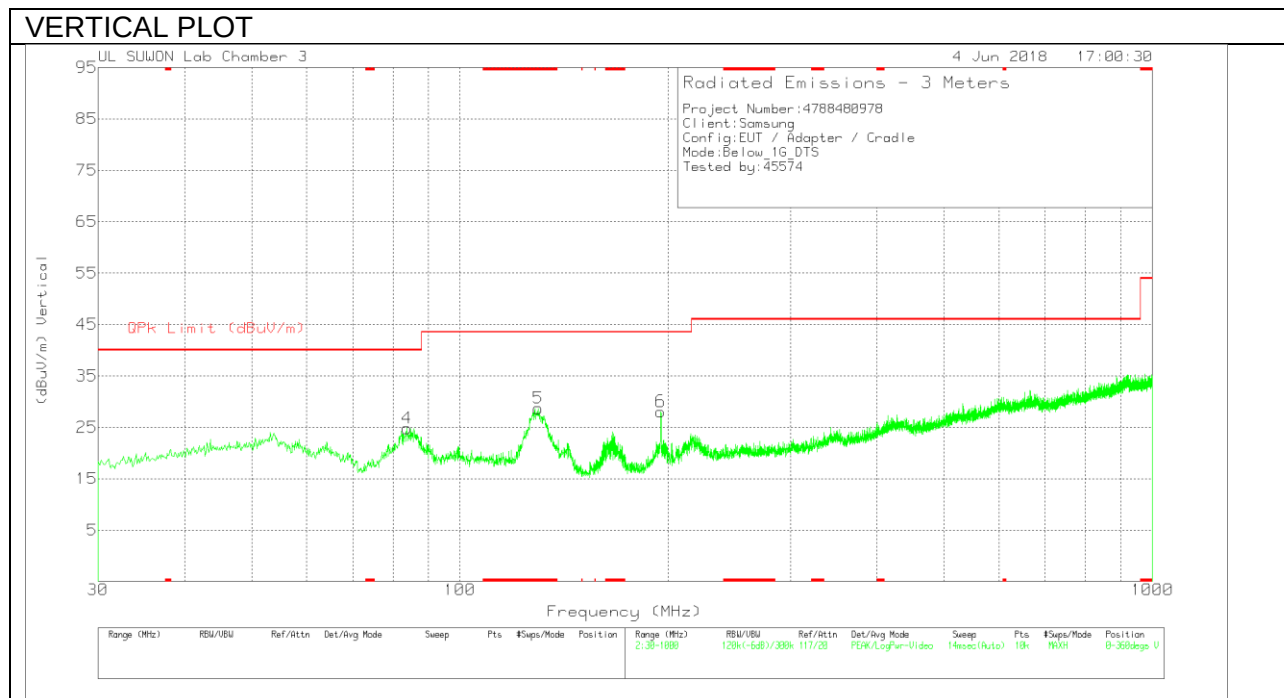
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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	VULB9163-845	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	86.3628	43.62	Pk	14.8	-31.7	26.72	40	-13.28	0-360	200	H
2	* 130.8904	49.08	Pk	14.7	-31.4	32.38	43.52	-11.14	0-360	200	H
3	* 165.426	46.35	Pk	14.9	-31.2	30.05	43.52	-13.47	0-360	200	H
4	83.8406	42.51	Pk	14	-31.7	24.81	40	-15.19	0-360	100	V
5	* 129.6293	45.3	Pk	14.8	-31.4	28.7	43.52	-14.82	0-360	100	V
6	195.014	42.27	Pk	16.9	-31.1	28.07	43.52	-15.45	0-360	200	V

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

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

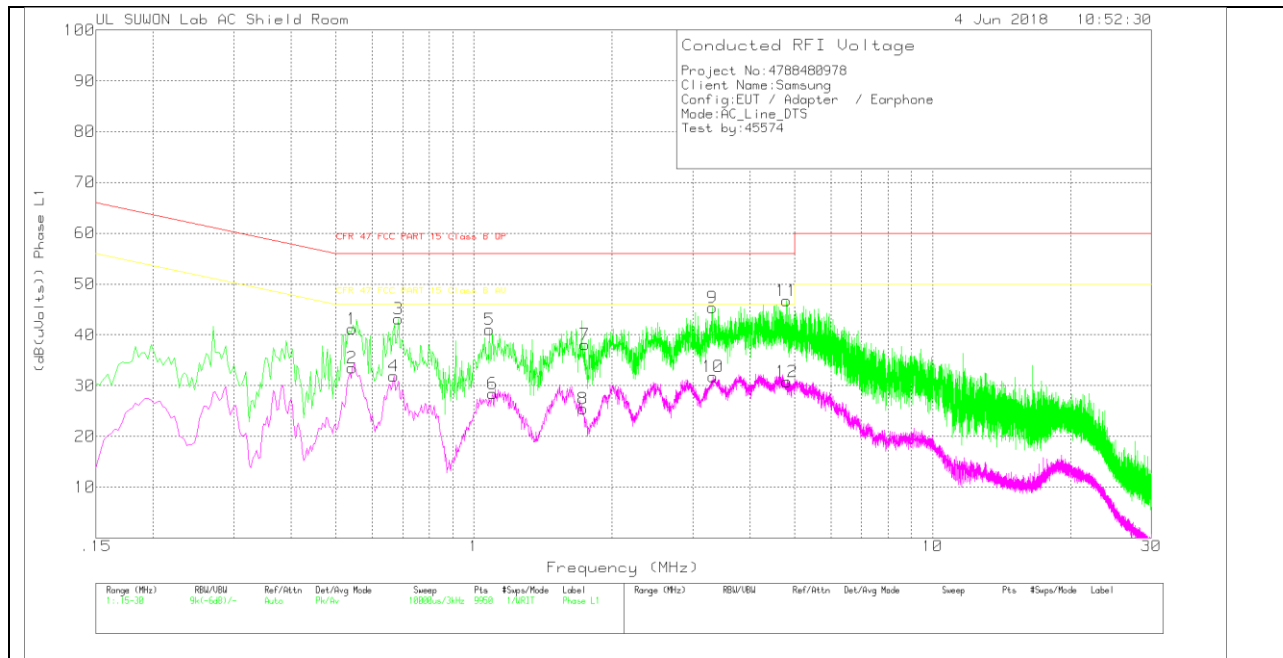
^{*} Decreases with the logarithm of the frequency.

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

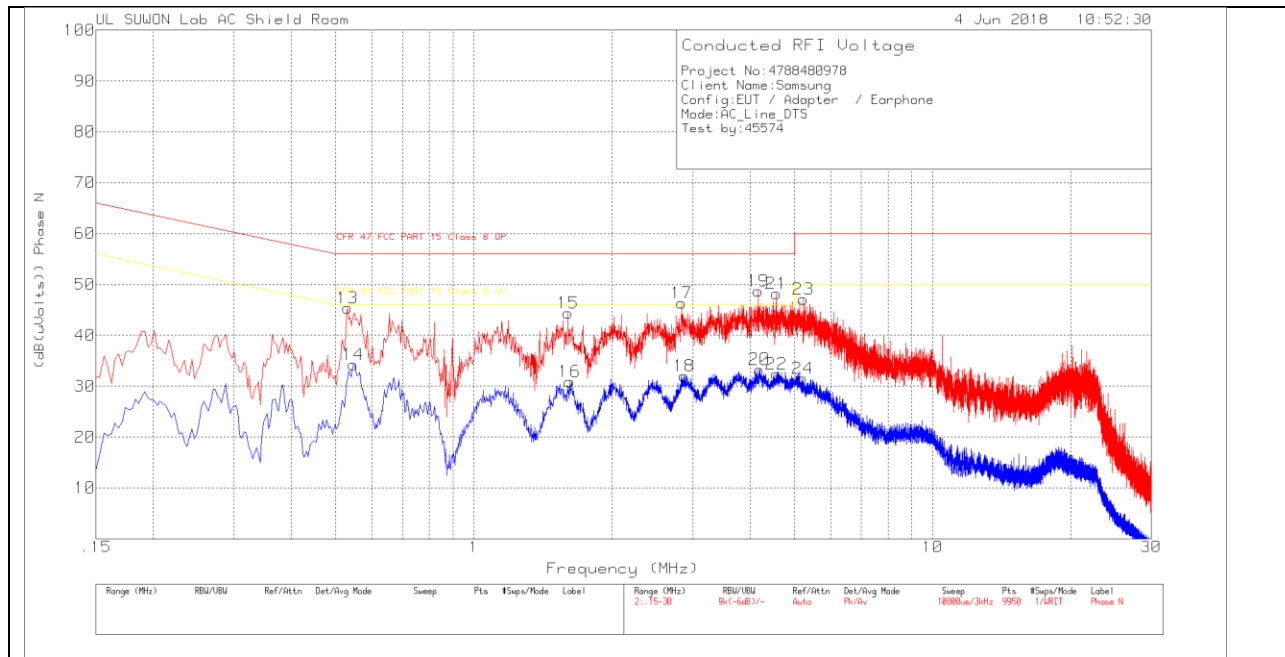
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_L1_wit h extension	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	.543	31.13	Pk	9.8	.2	41.13	56	-14.87	-	-
2	.543	23.48	Av	9.8	.2	33.48	-	-	46	-12.52
3	.684	33.25	Pk	9.7	.2	43.15	56	-12.85	-	-
4	.669	21.91	Av	9.8	.2	31.91	-	-	46	-14.09
5	1.083	30.99	Pk	9.8	.3	41.09	56	-14.91	-	-
6	1.098	18.29	Av	9.8	.3	28.39	-	-	46	-17.61
7	1.746	27.86	Pk	9.9	.3	38.06	56	-17.94	-	-
8	1.728	15.25	Av	9.9	.3	25.45	-	-	46	-20.55
9	3.309	35.26	Pk	9.8	.3	45.36	56	-10.64	-	-
10	3.327	21.7	Av	9.8	.3	31.8	-	-	46	-14.2
11	4.806	36.71	Pk	9.7	.3	46.71	56	-9.29	-	-
12	4.812	20.77	Av	9.7	.3	30.77	-	-	46	-15.23

Pk - Peak detector

Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_N_with extension	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	.531	35.33	Pk	9.8	.2	45.33	56	-10.67	-	-
14	.546	24.18	Av	9.8	.2	34.18	-	-	46	-11.82
15	1.605	34.15	Pk	9.9	.3	44.35	56	-11.65	-	-
16	1.617	20.65	Av	9.9	.3	30.85	-	-	46	-15.15
17	2.841	36.17	Pk	9.9	.3	46.37	56	-9.63	-	-
18	2.871	21.85	Av	9.9	.3	32.05	-	-	46	-13.95
19	4.164	38.57	Pk	9.8	.3	48.67	56	-7.33	-	-
20	4.197	23.2	Av	9.8	.3	33.3	-	-	46	-12.7
21	4.572	38.13	Pk	9.8	.3	48.23	56	-7.77	-	-
22	4.572	22.26	Av	9.8	.3	32.36	-	-	46	-13.64
23	5.232	36.99	Pk	9.8	.3	47.09	60	-12.91	-	-
24	5.217	21.42	Av	9.8	.3	31.52	-	-	50	-18.48

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101837_N_with extension	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)
1.60515	27.2	Qp	9.9	.3	37.4	56	-18.6	-	-
2.84025	28.79	Qp	9.9	.3	38.99	56	-17.01	-	-
4.16325	30.52	Qp	9.8	.3	40.62	56	-15.38	-	-

Qp - Quasi-Peak detector