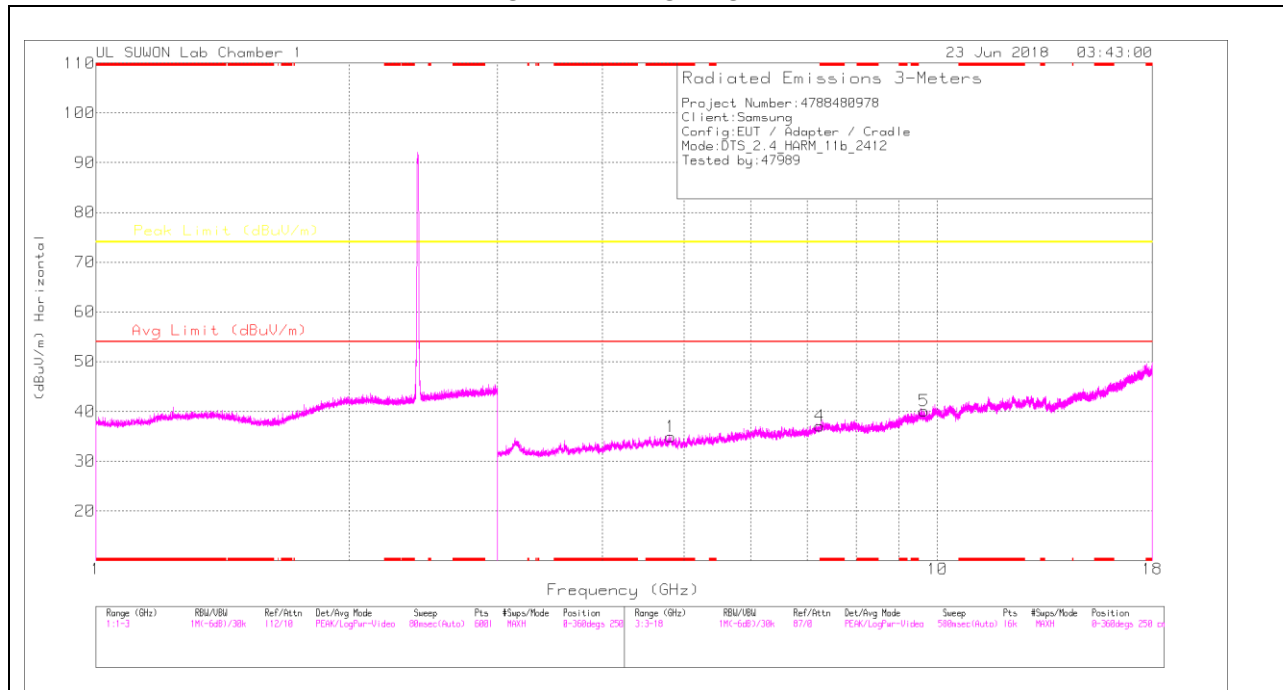
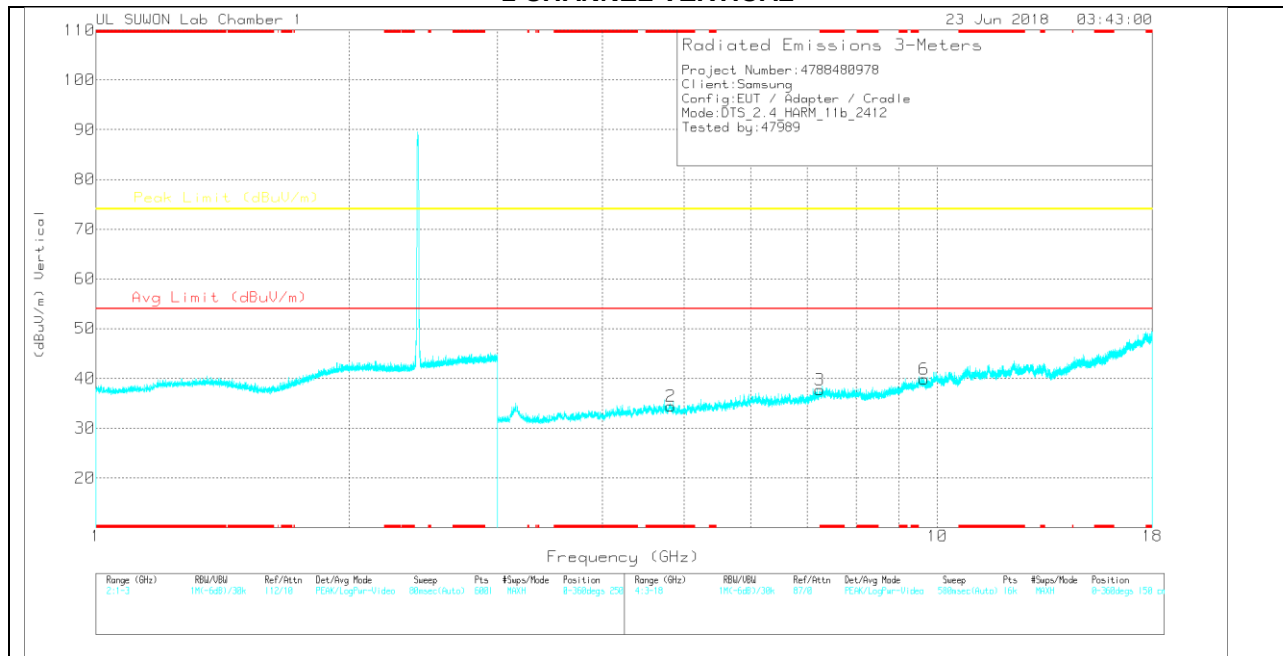


HARMONICS AND SPURIOUS EMISSIONS

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

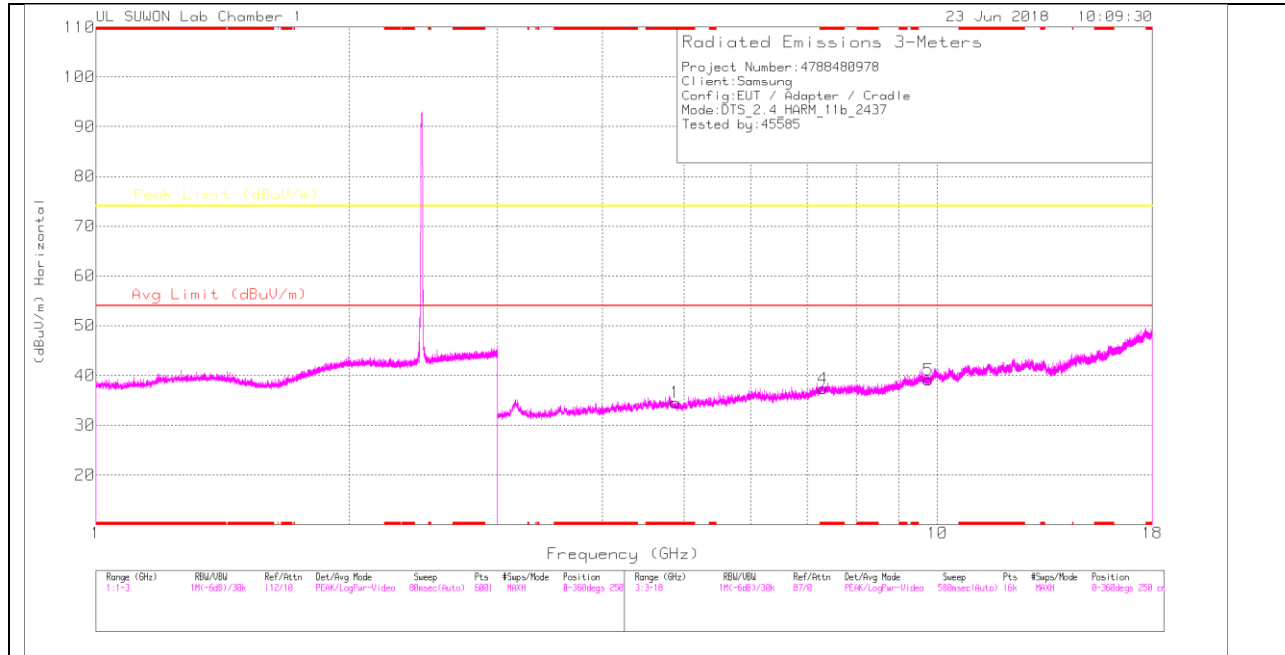
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687 17	3GHz_HP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.818	32.78	PK	33.8	-31.6	0	34.98	-	-	74	-39.02	0-360	150	H
4	7.245	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

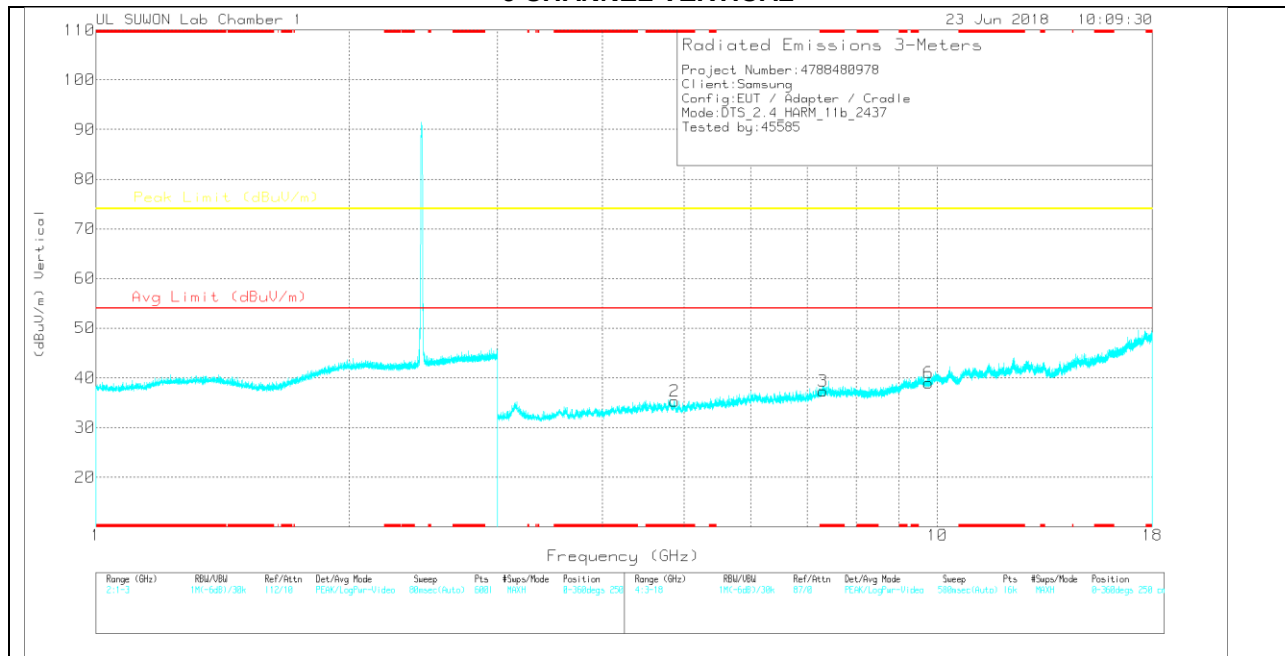
PK – Peak detector

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

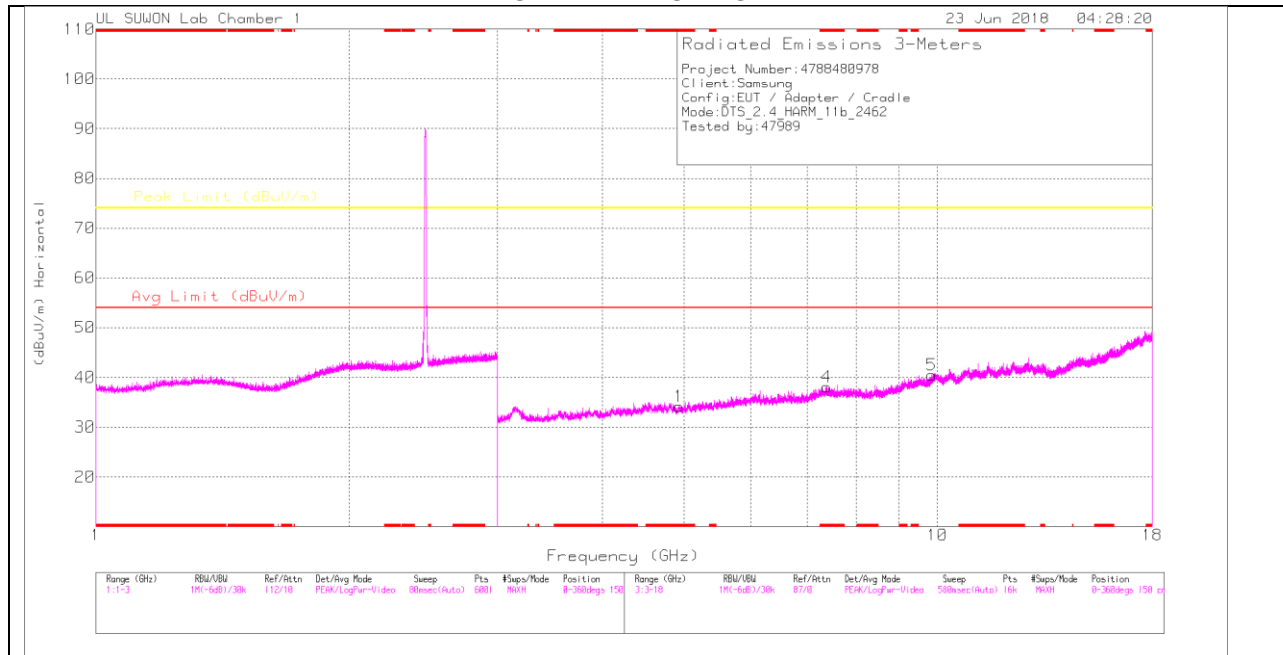
Trace Markers

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

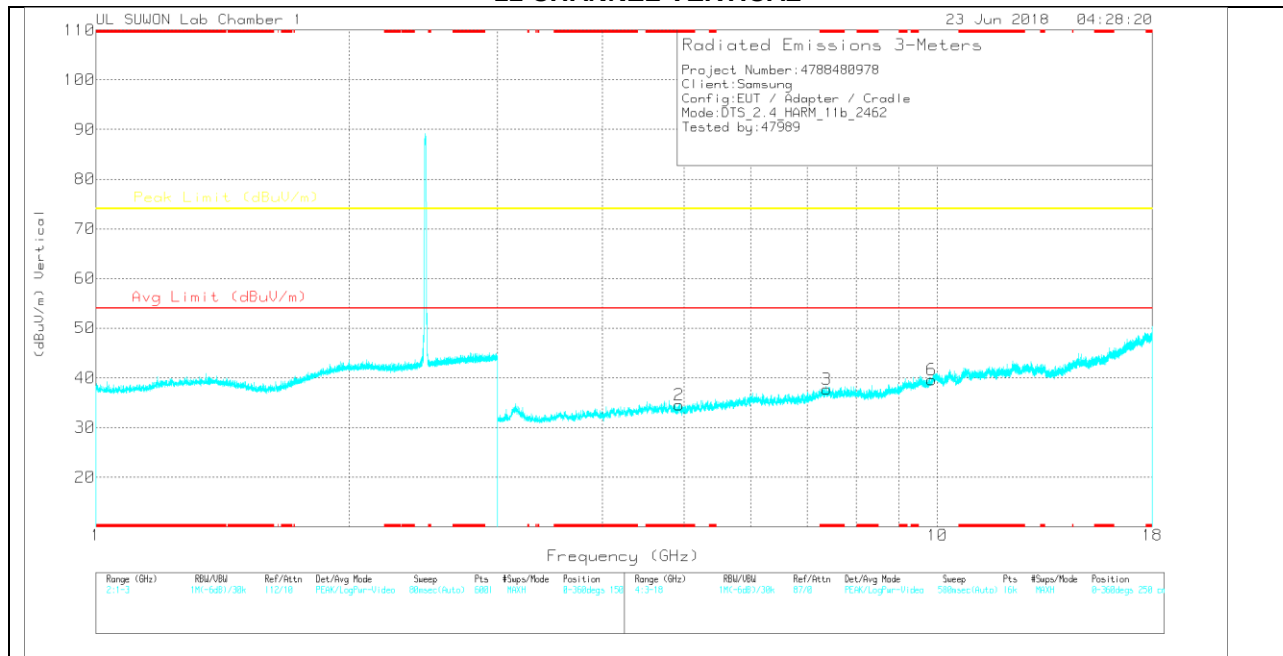
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

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

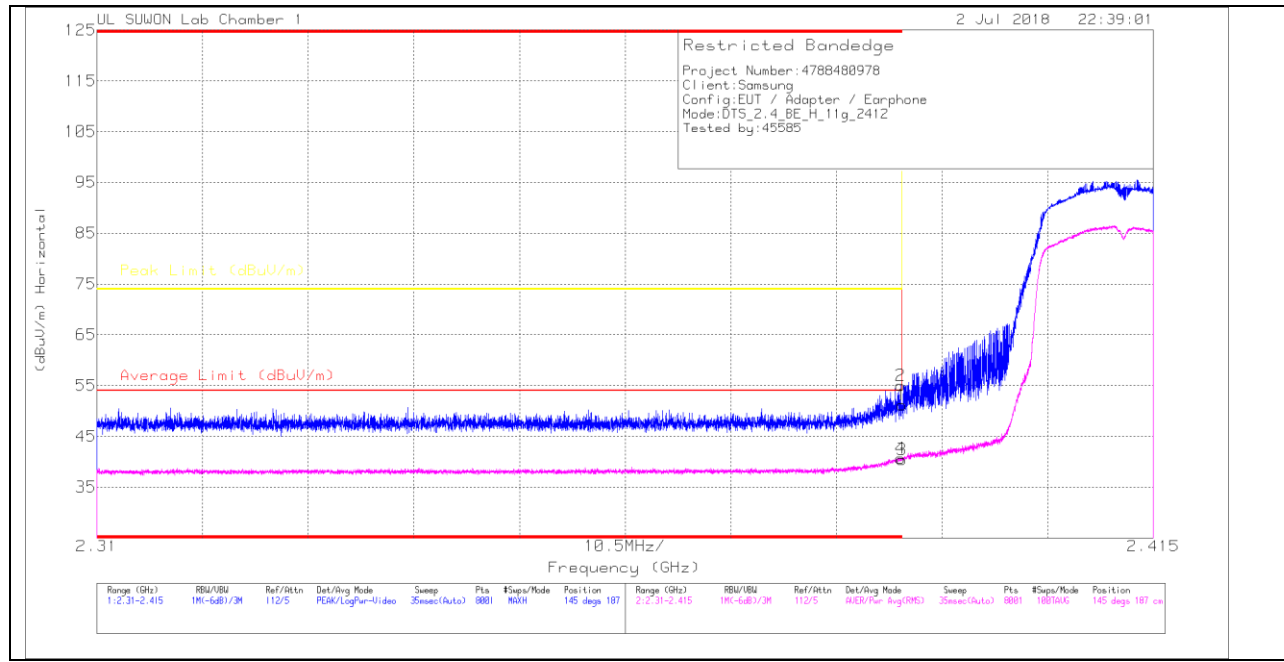
PK – Peak detector

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

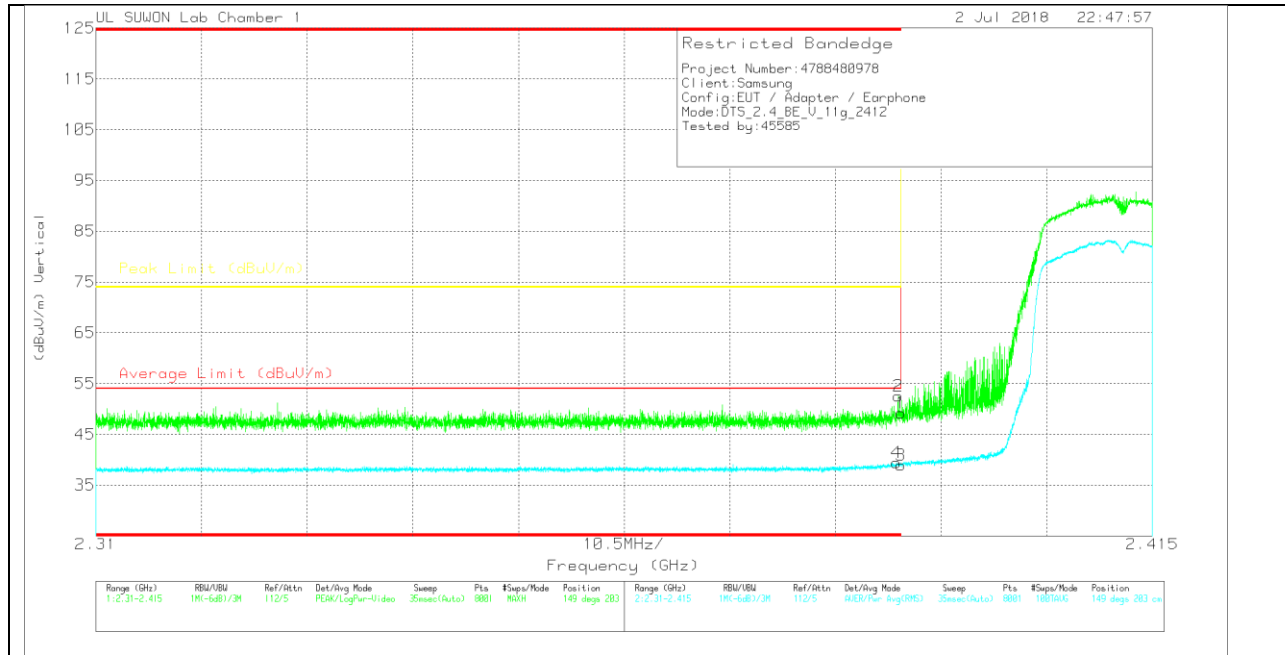
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.63	PK	31.3	-25.7	0	51.23	-	-	74	-22.77	145	187	H
2	* 2.39	49.48	PK	31.3	-25.7	0	55.08	-	-	74	-18.92	145	187	H
3	* 2.39	34.7	RMS	31.3	-25.7	.15	40.45	54	-13.55	-	-	145	187	H
4	* 2.39	34.93	RMS	31.3	-25.7	.15	40.68	54	-13.32	-	-	145	187	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	43.64	Pk	31.3	-25.7	0	49.24	-	-	74	-24.76	149	203	V
2	* 2.39	46.99	Pk	31.3	-25.7	0	52.59	-	-	74	-21.41	149	203	V
3	* 2.39	33.24	RMS	31.3	-25.7	.15	38.99	54	-15.01	-	-	149	203	V
4	* 2.39	33.64	RMS	31.3	-25.7	.15	39.39	54	-14.61	-	-	149	203	V

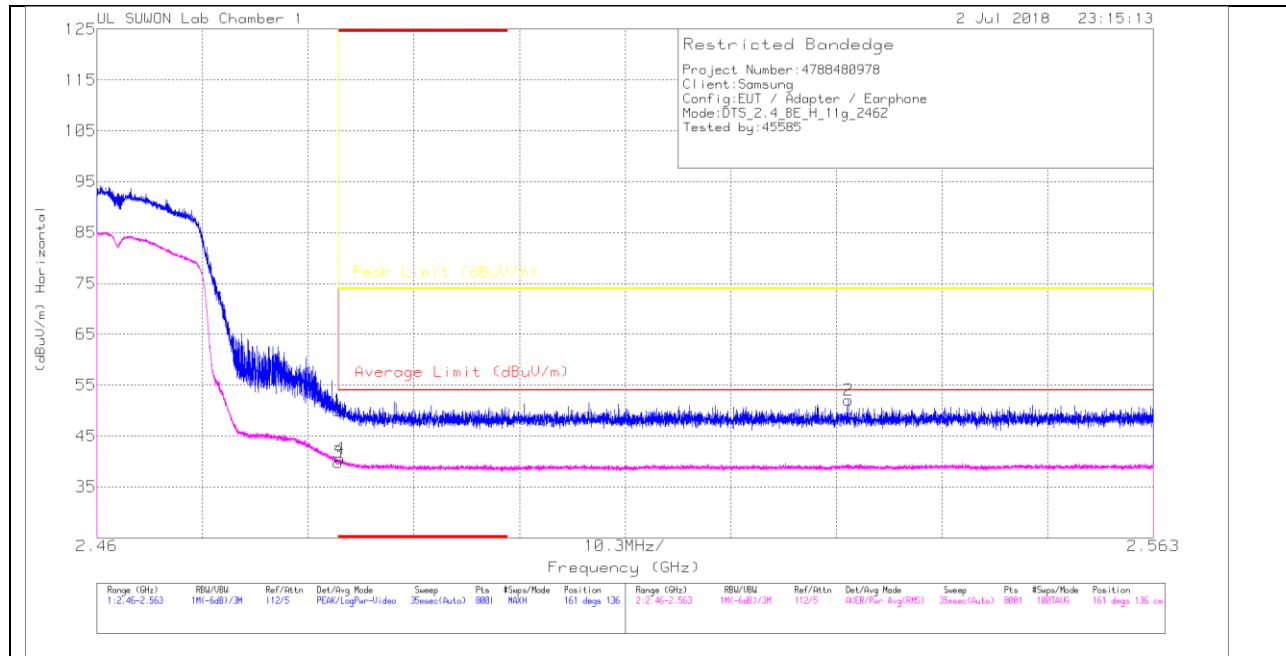
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

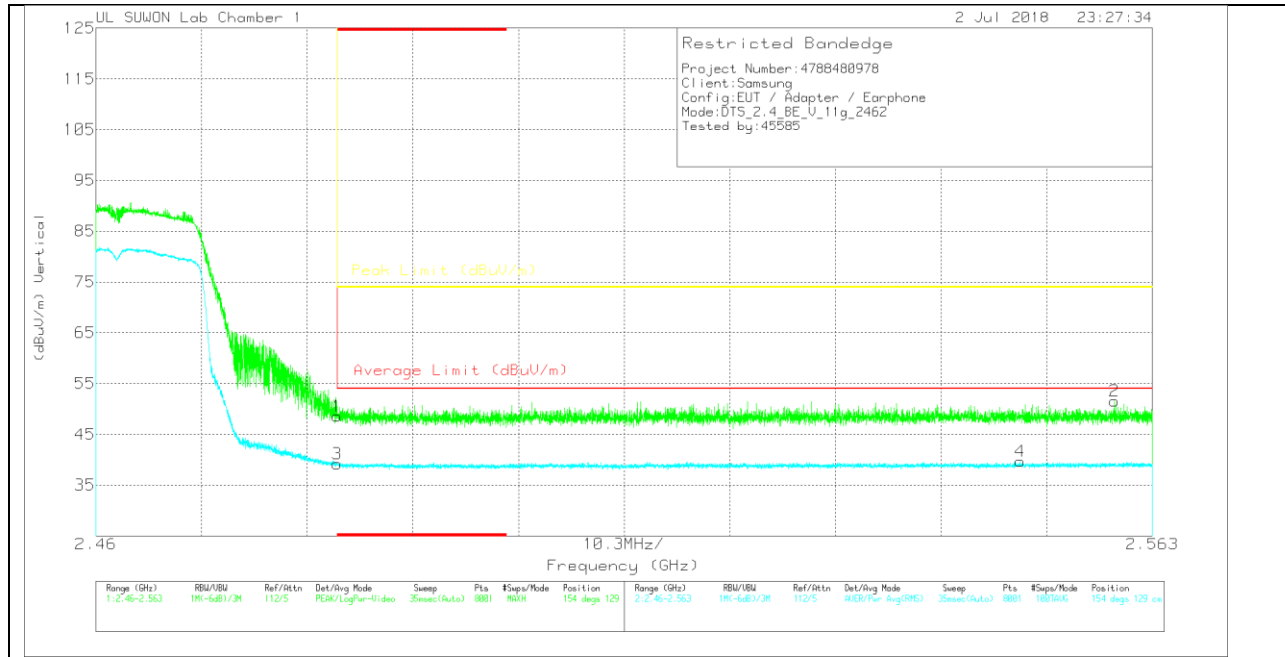
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00108 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.91	PK	31.6	-25.5	0	50.01	-	-	74	-23.99	161	136	H
2	2.533	45.66	PK	31.7	-25.3	0	52.06	-	-	74	-21.94	161	136	H
3	* 2.484	33.54	RMS	31.6	-25.5	.15	39.79	54	-14.21	-	-	161	136	H
4	* 2.484	34.29	RMS	31.6	-25.5	.15	40.54	54	-13.46	-	-	161	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	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	42.54	Pk	31.6	-25.5	0	48.64	-	-	74	-25.36	154	129	V
2	2.559	45.11	Pk	31.7	-25.3	0	51.51	-	-	74	-22.49	154	129	V
3	* 2.484	32.91	RMS	31.6	-25.5	.15	39.16	54	-14.84	-	-	154	129	V
4	2.55	32.99	RMS	31.7	-25.2	.15	39.64	54	-14.36	-	-	154	129	V

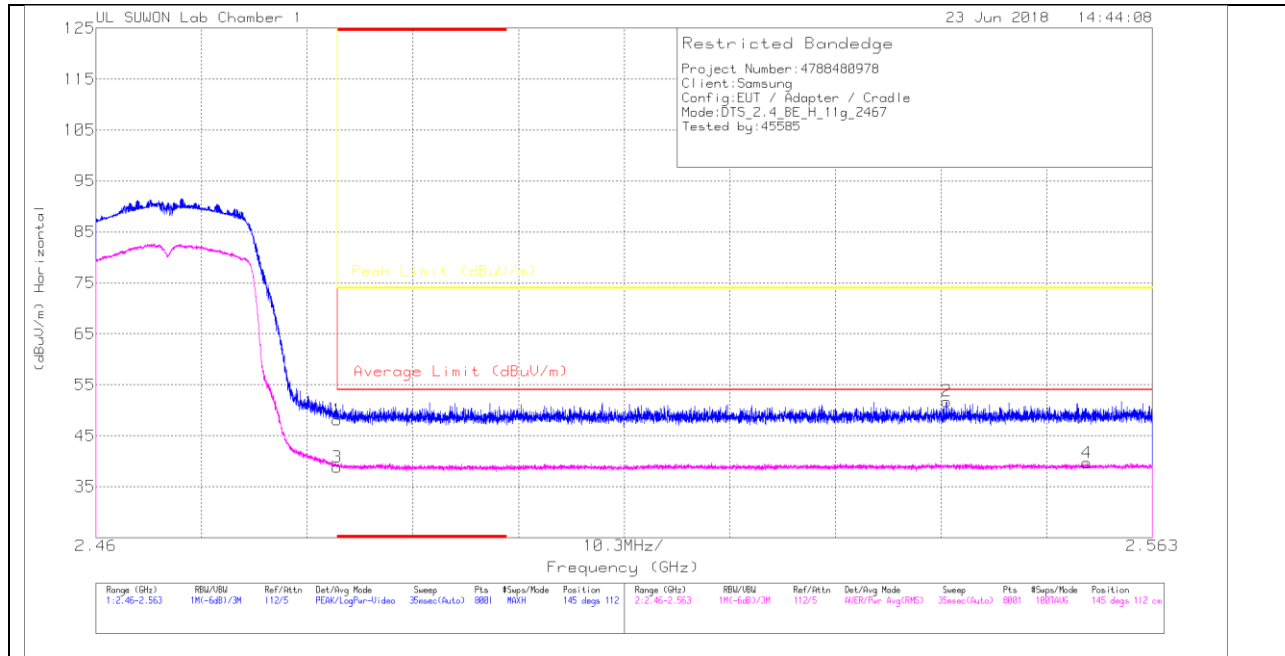
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

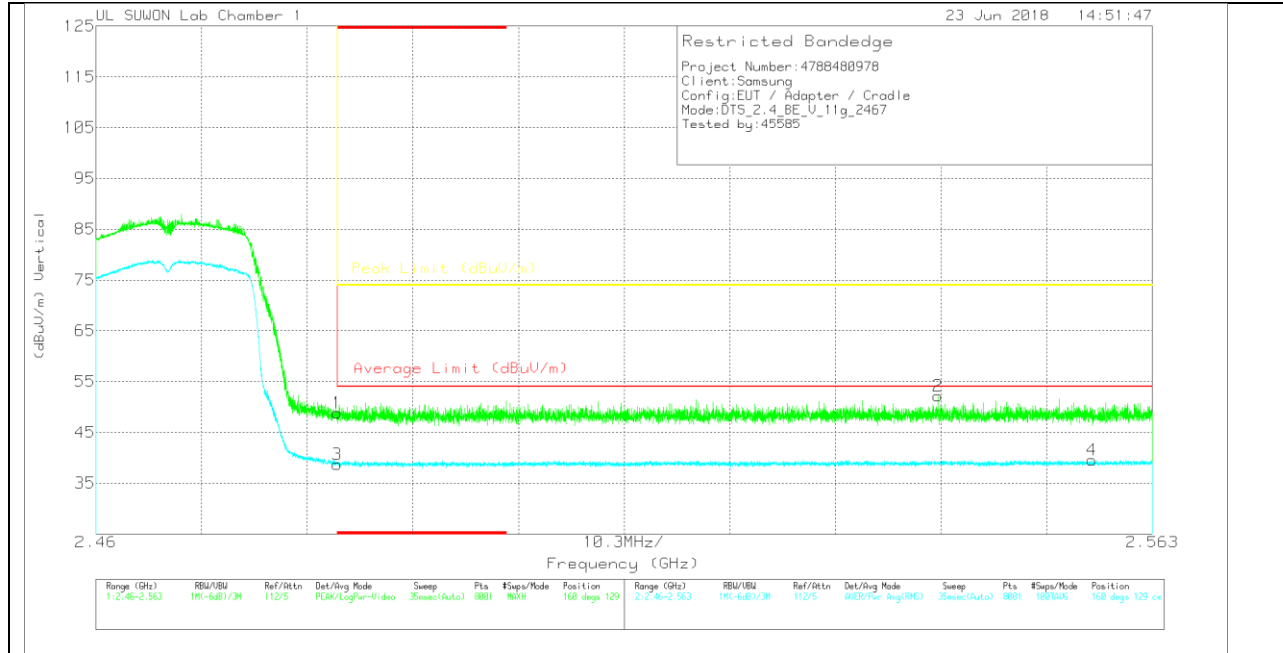
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.03	Pk	31.6	-25.5	0	48.13	-	-	74	-25.87	145	112	H
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

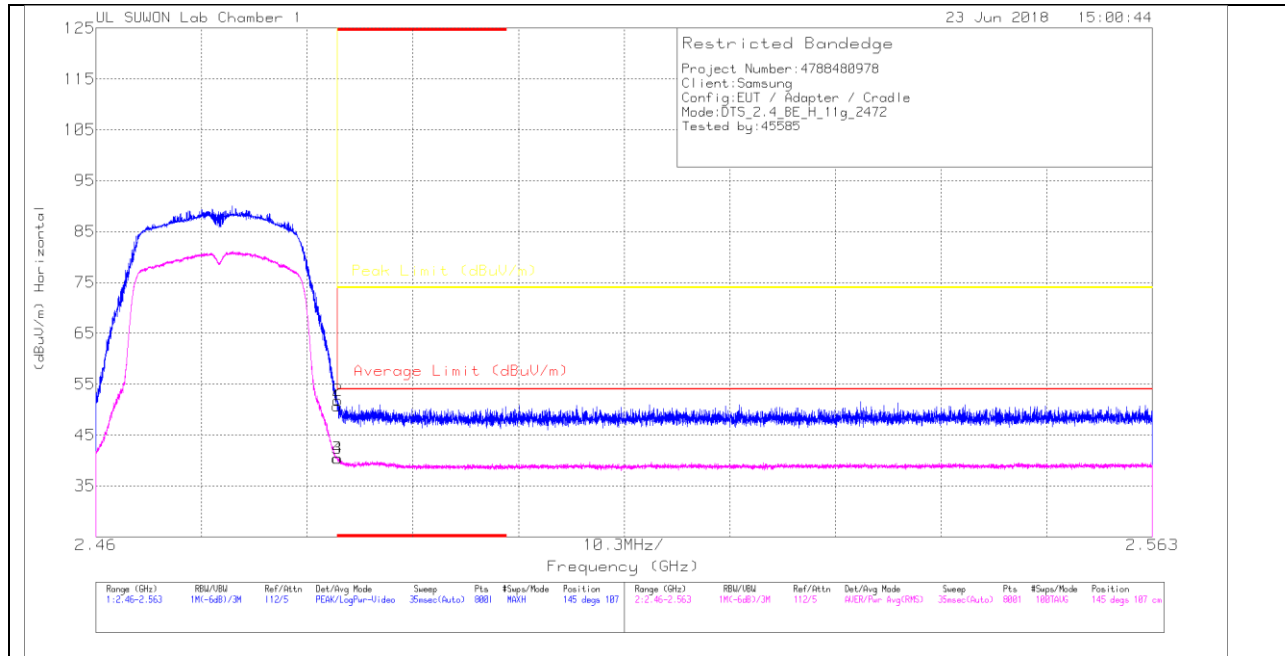
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

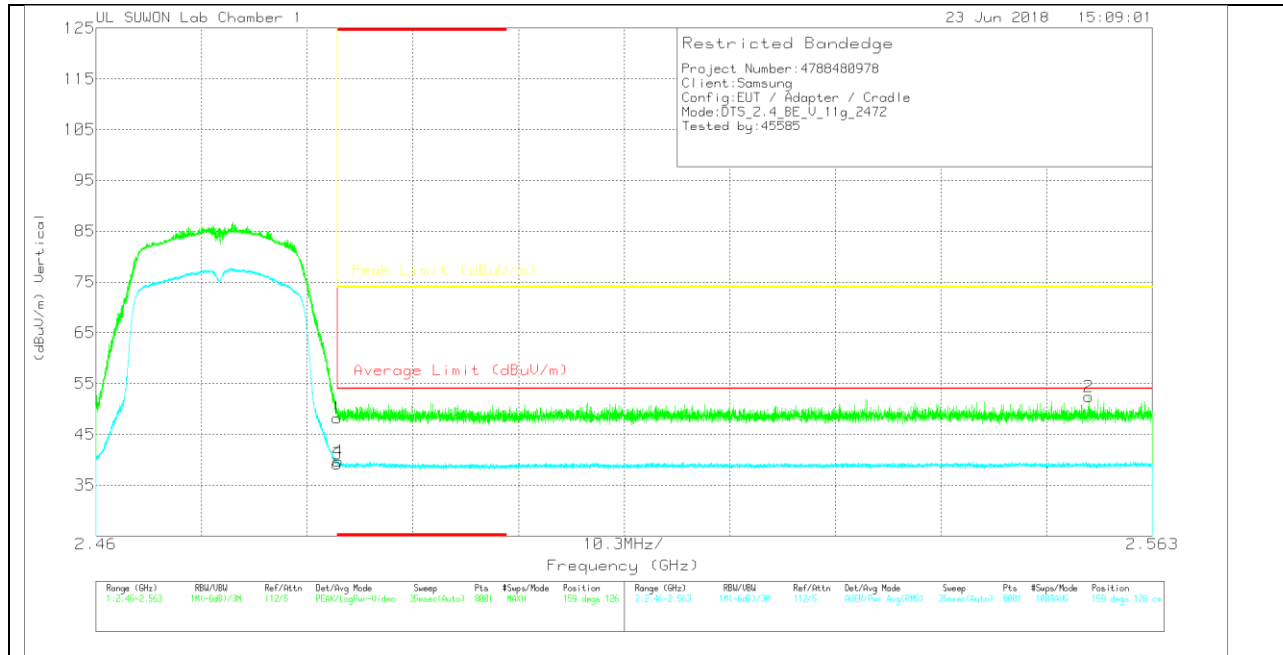
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	44.63	Pk	31.6	-25.5	0	50.73	-	-	74	-23.27	145	107	H
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

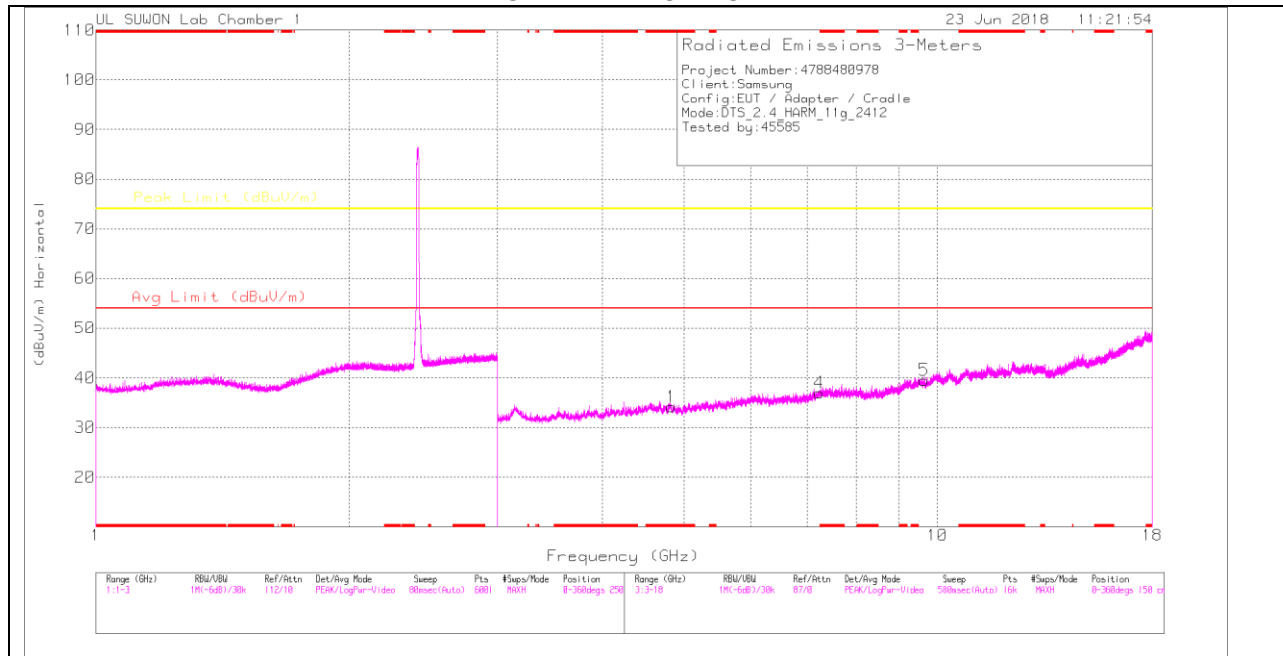
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

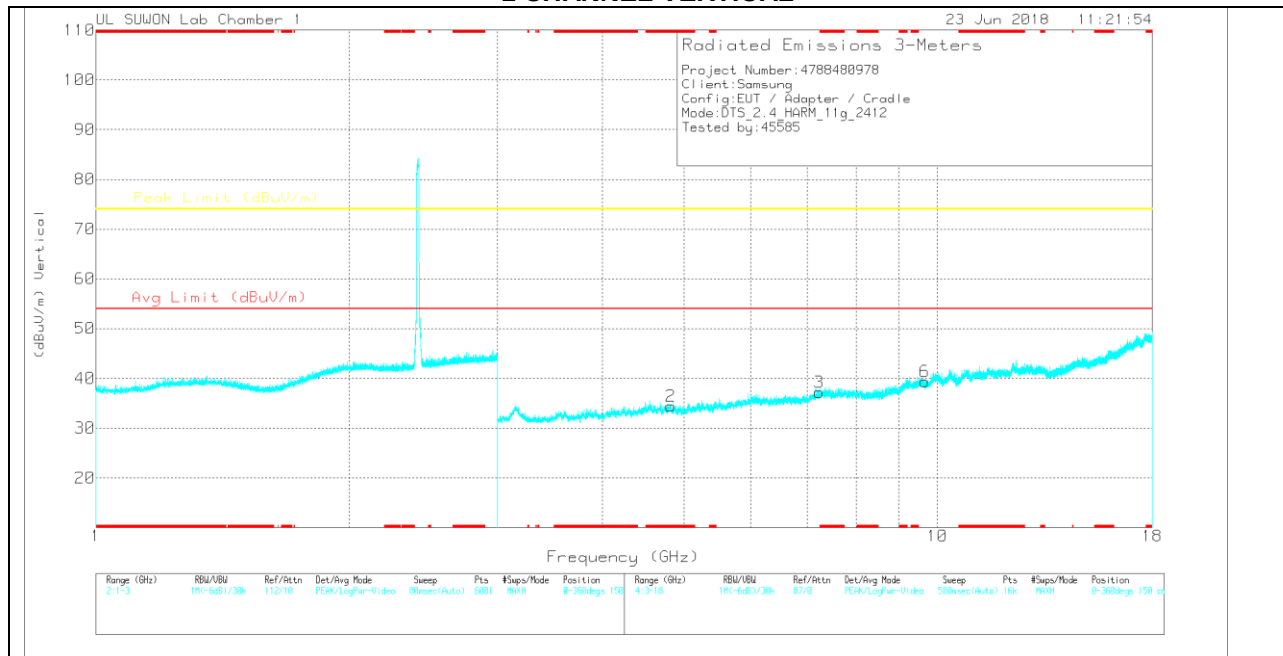
RMS - RMS detection

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

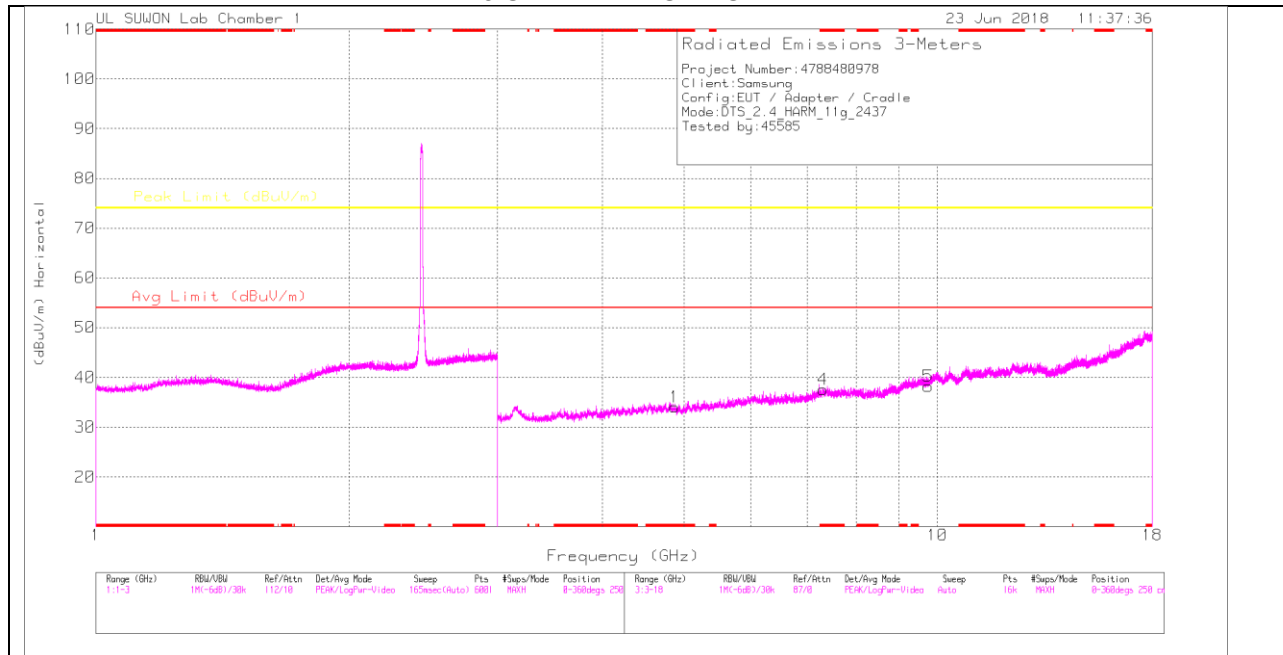
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.826	31.99	PK	33.8	-31.6	0	34.19	-	-	74	-39.81	0-360	150	H
4	7.237	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

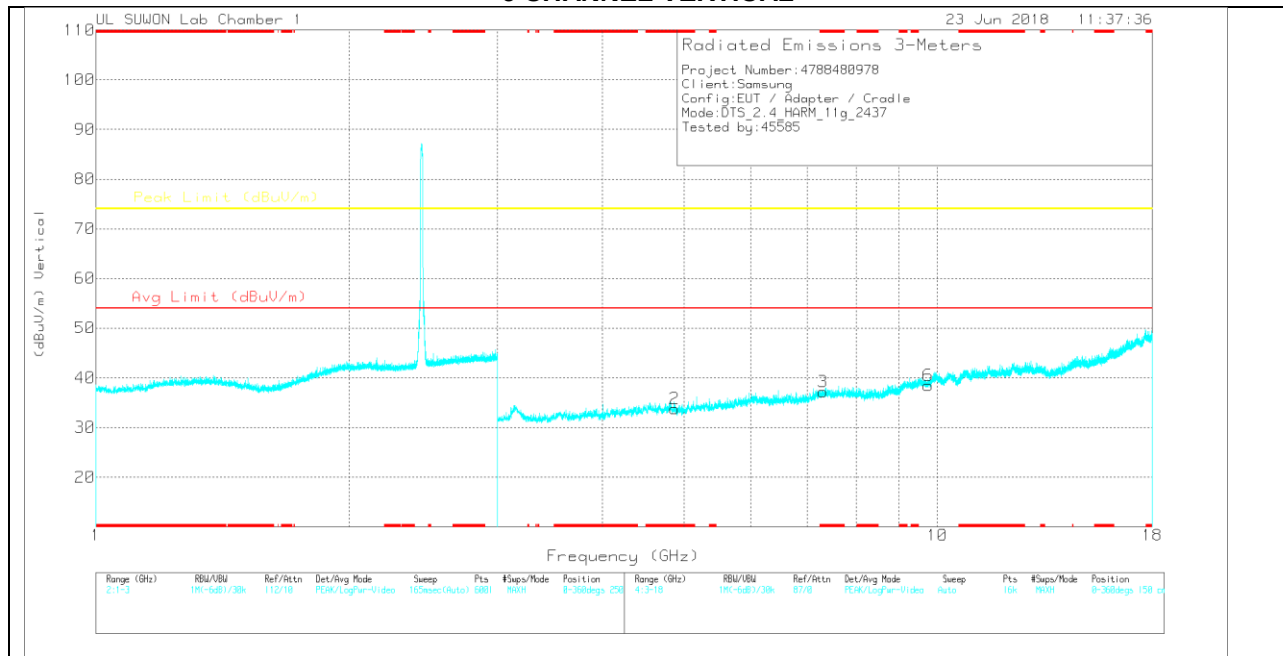
PK – Peak Detector

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

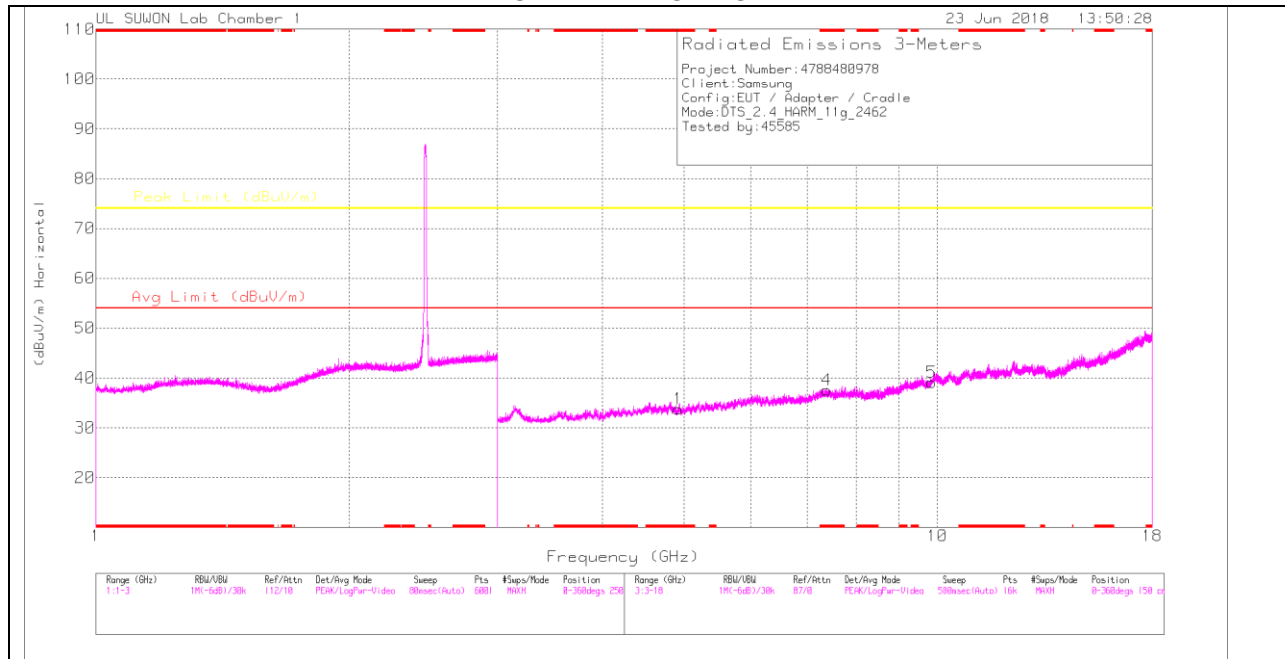
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	31.95	PK	33.8	-31.7	0	34.05	-	-	74	-39.95	0-360	150	H
4	* 7.312	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

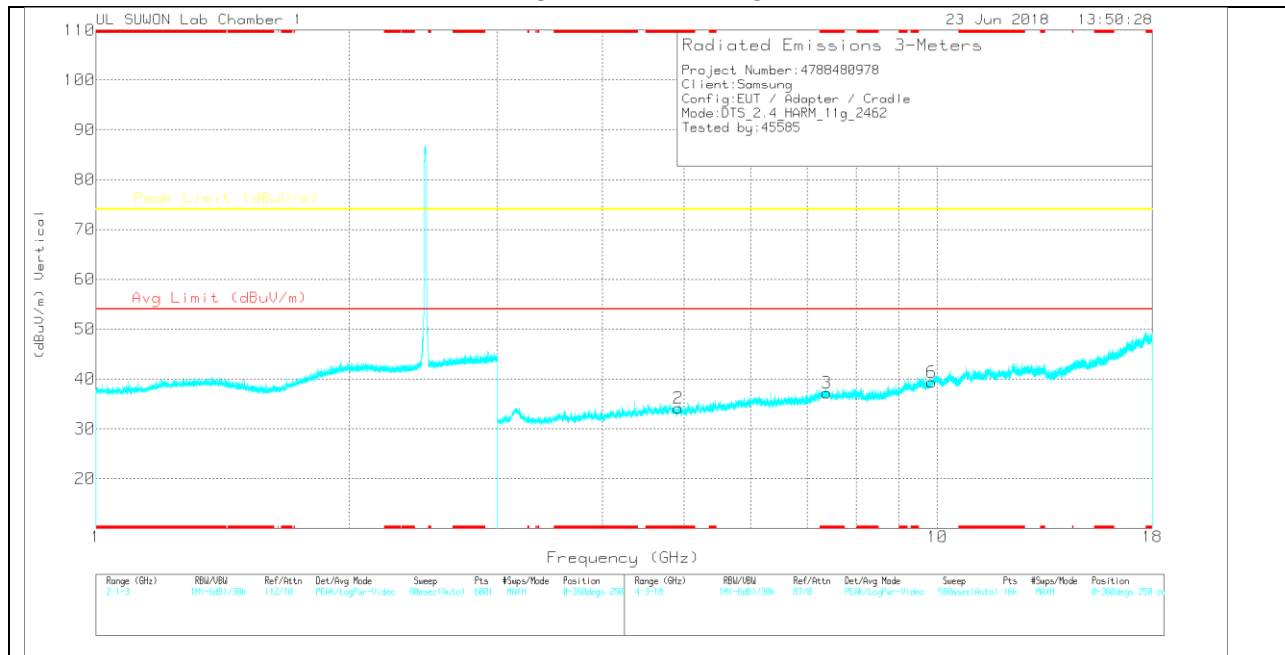
PK – Peak Detector

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

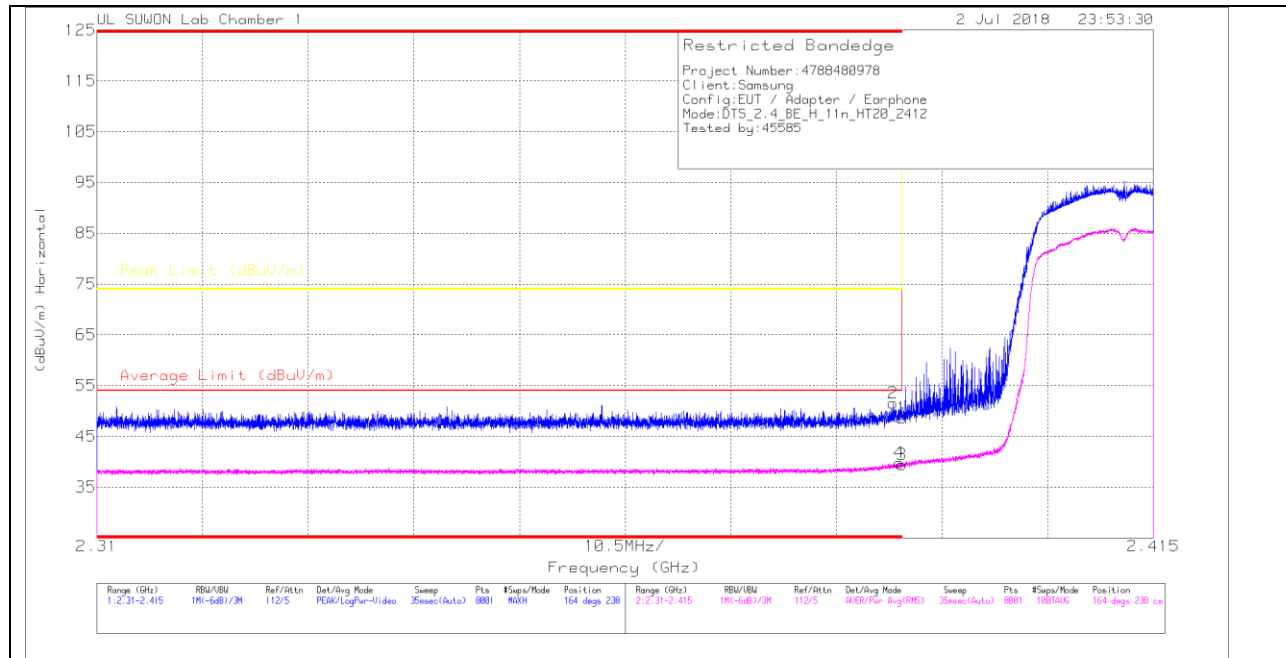
PK – Peak Detector

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

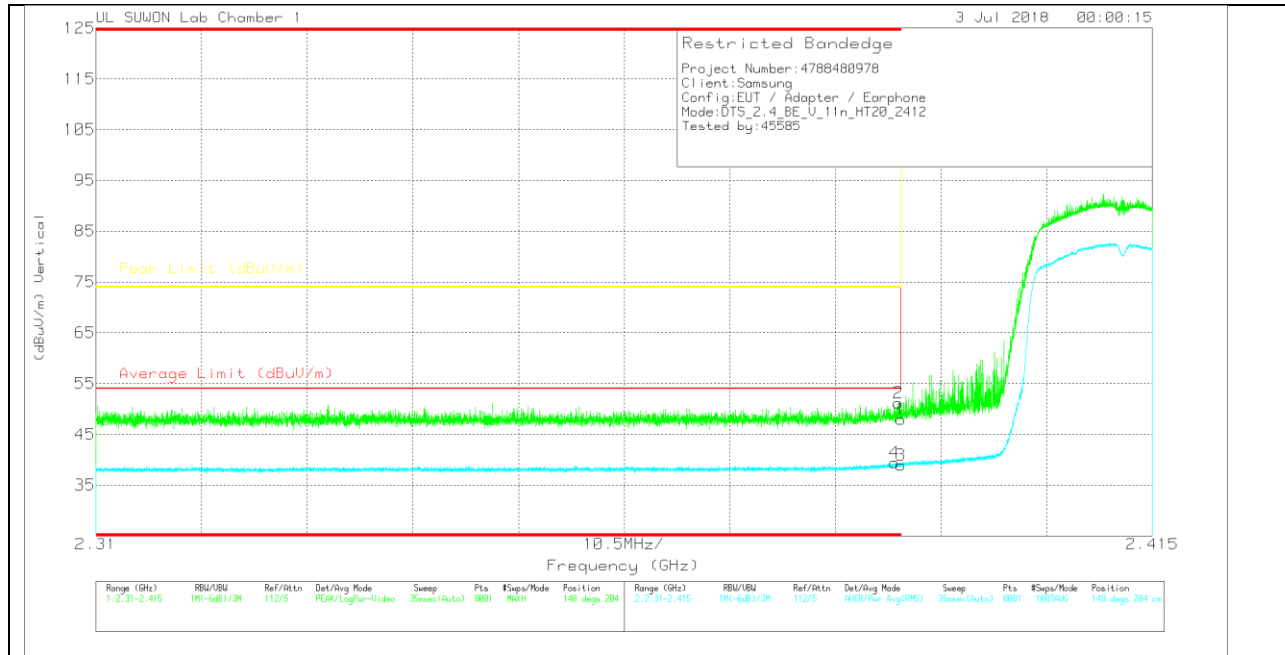
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.95	Pk	31.3	-25.7	0	48.55	-	-	74	-25.45	164	238	H
2	* 2.389	45.97	Pk	31.3	-25.7	0	51.57	-	-	74	-22.43	164	238	H
3	* 2.39	33.66	RMS	31.3	-25.7	.16	39.42	54	-14.58	-	-	164	238	H
4	* 2.39	34.05	RMS	31.3	-25.7	.16	39.81	54	-14.19	-	-	164	238	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	42.39	Pk	31.3	-25.7	0	47.99	-	-	74	-26.01	148	204	V
2	* 2.39	45.62	Pk	31.3	-25.7	0	51.22	-	-	74	-22.78	148	204	V
3	* 2.39	33.22	RMS	31.3	-25.7	-16	38.98	54	-15.02	-	-	148	204	V
4	* 2.389	33.63	RMS	31.3	-25.7	-16	39.39	54	-14.61	-	-	148	204	V

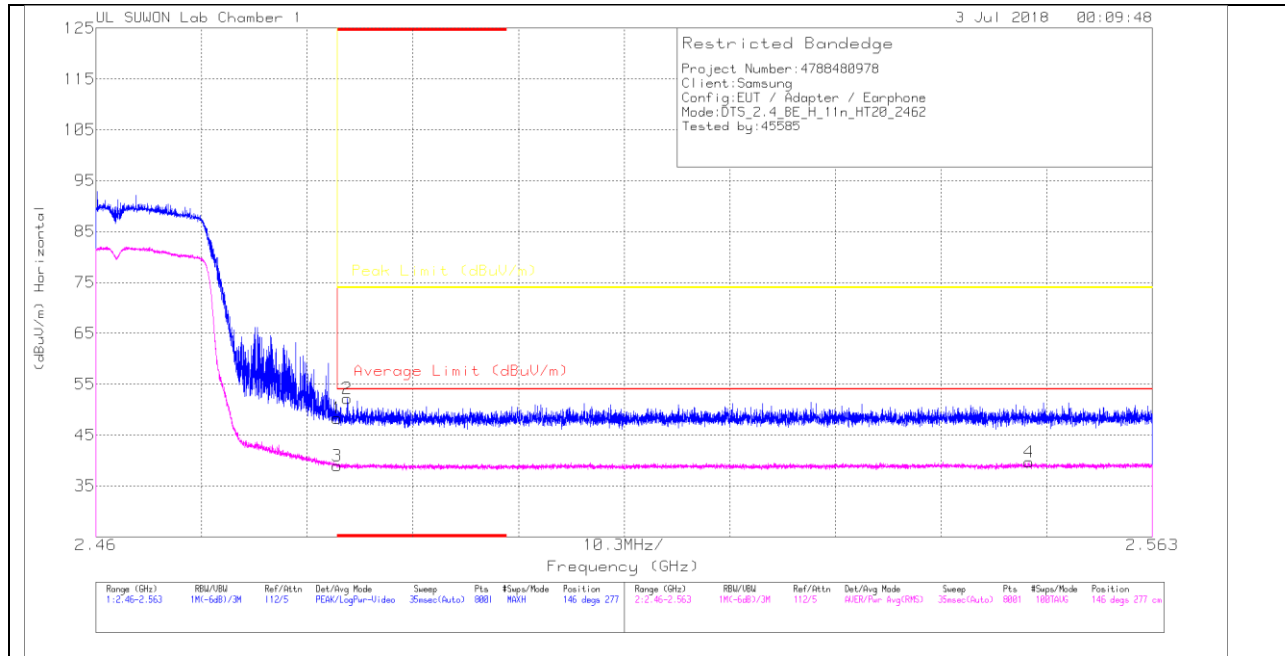
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

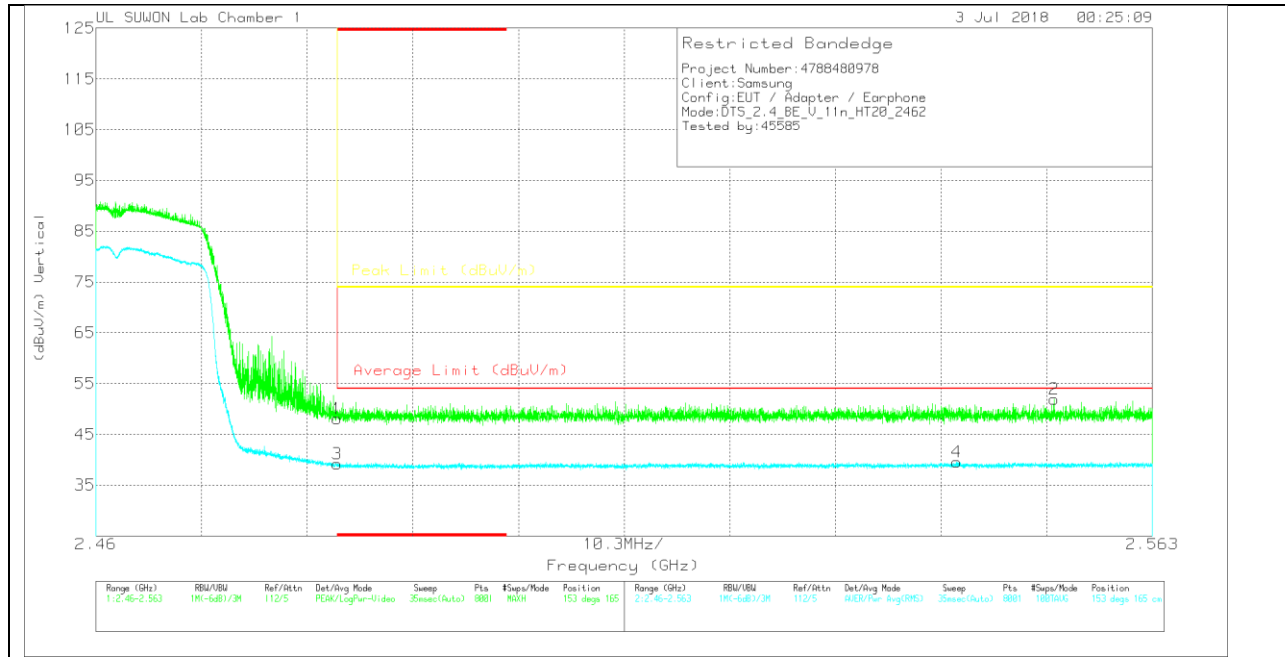
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.19	Pk	31.6	-25.5	0	48.29	-	-	74	-25.71	146	277	H
2	* 2.484	46.05	Pk	31.6	-25.5	0	52.15	-	-	74	-21.85	146	277	H
3	* 2.484	32.68	RMS	31.6	-25.5	.16	38.94	54	-15.06	-	-	146	277	H
4	2.551	33.16	RMS	31.7	-25.3	.16	39.72	54	-14.28	-	-	146	277	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	41.97	Pk	31.6	-25.5	0	48.07	-	-	74	-25.93	153	165	V
2	2.553	45.59	Pk	31.7	-25.3	0	51.99	-	-	74	-22.01	153	165	V
3	* 2.484	32.89	RMS	31.6	-25.5	.16	39.15	54	-14.85	-	-	153	165	V
4	2.544	32.94	RMS	31.7	-25.2	.16	39.6	54	-14.4	-	-	153	165	V

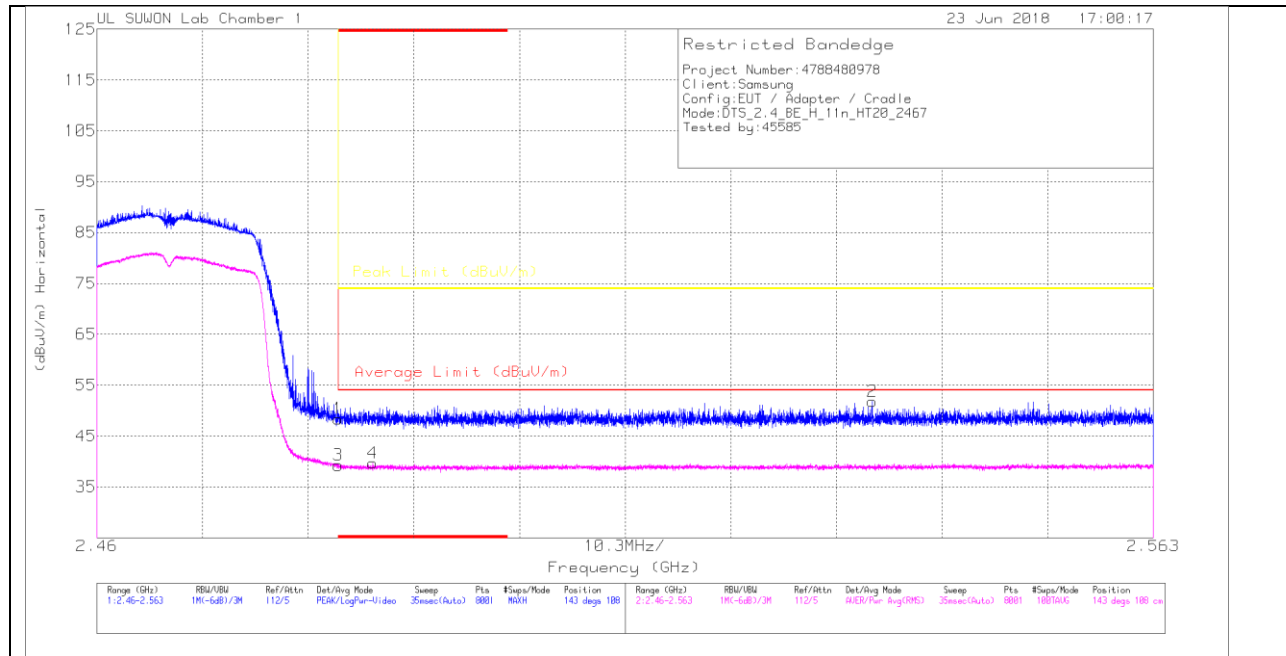
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

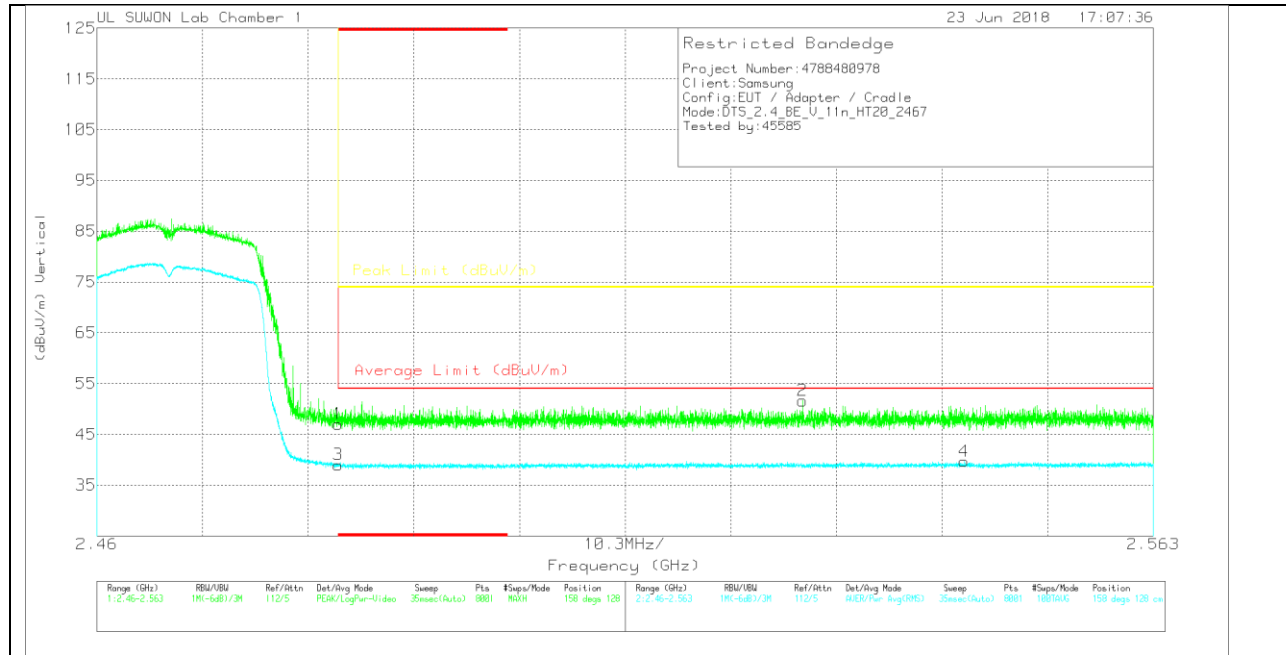
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00108 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	42.31	PK	31.6	-25.5	0	48.41	-	-	74	-25.59	143	108	H
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

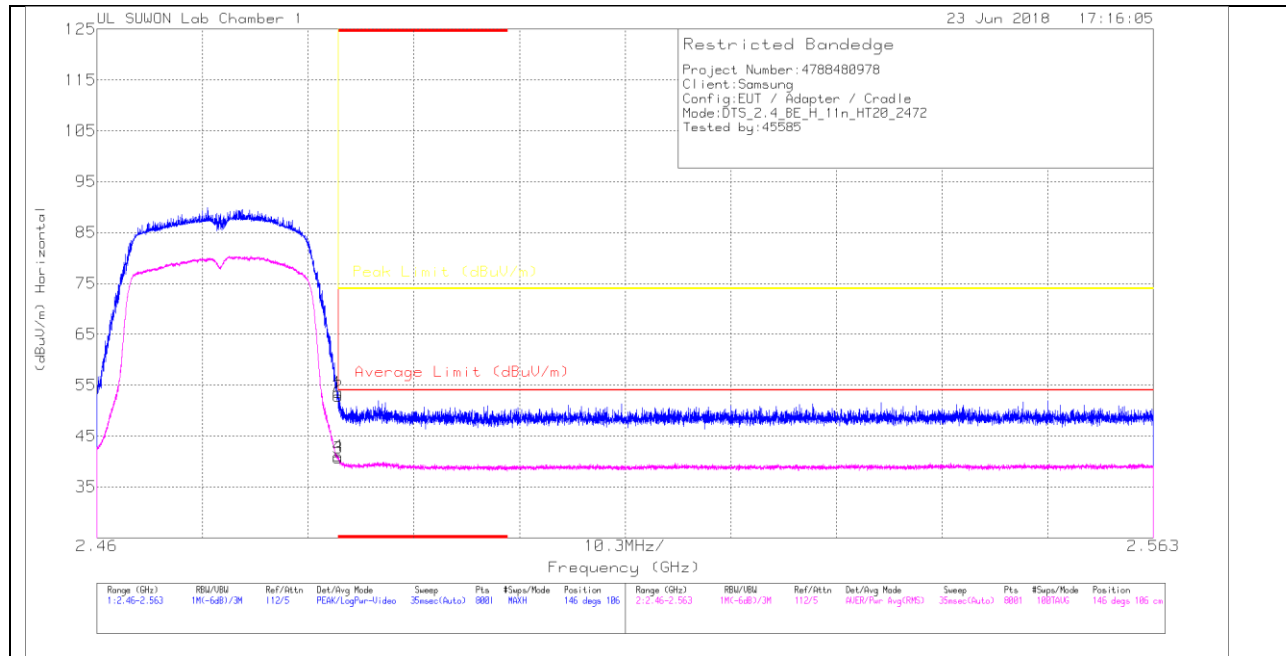
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

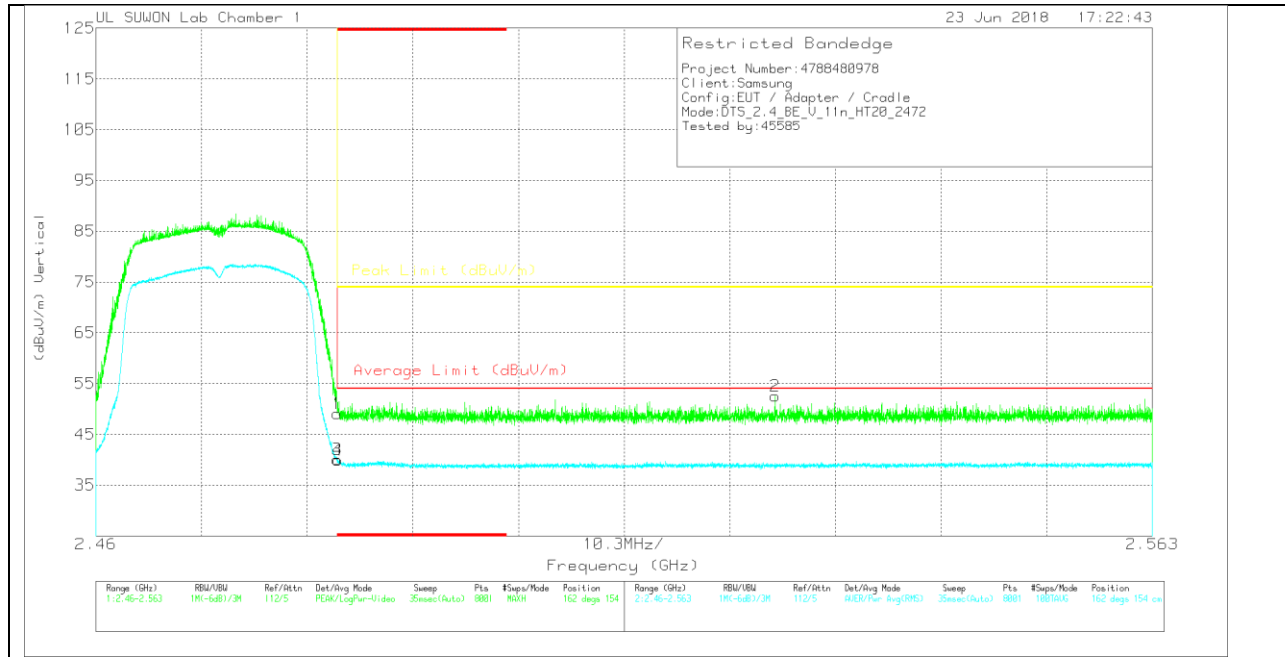
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00108 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	47.46	PK	31.6	-25.5	0	53.56	-	-	74	-20.44	146	106	H
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

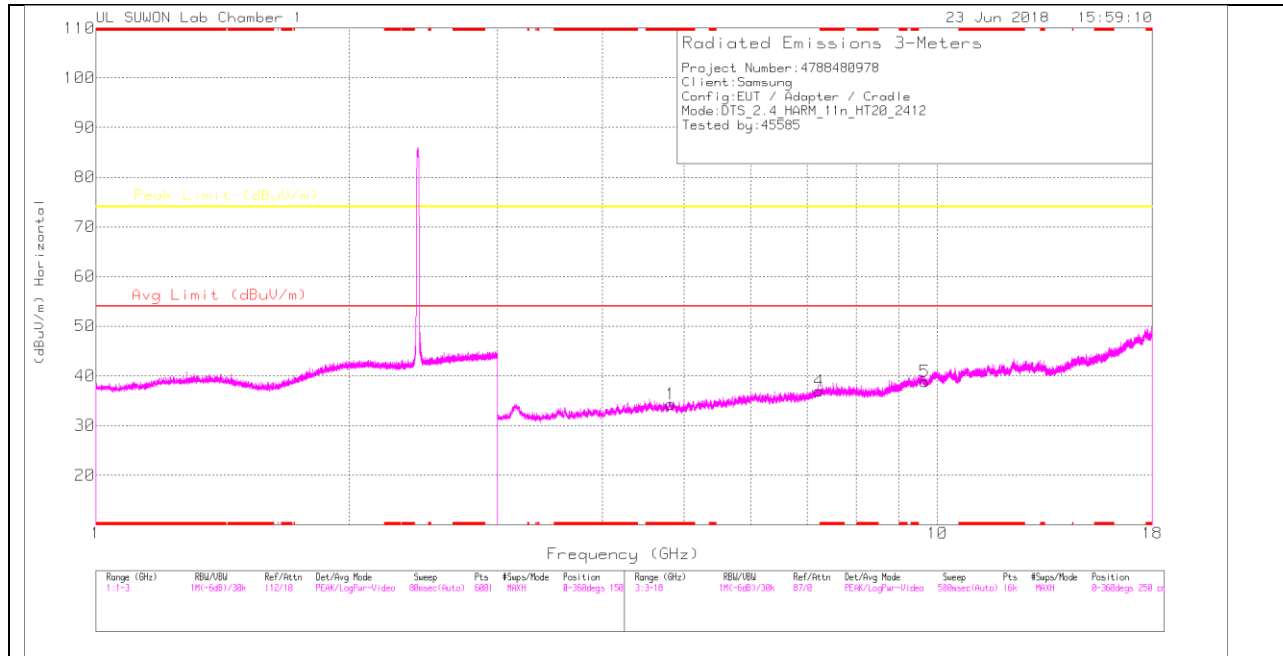
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

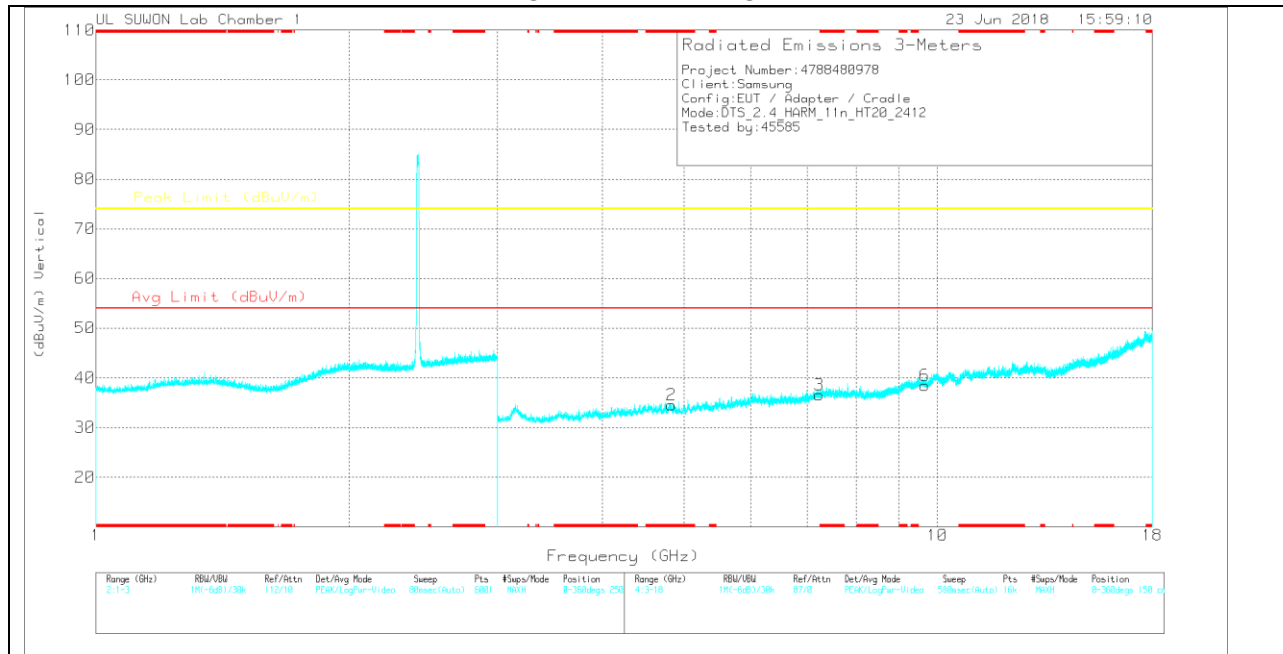
RMS - RMS detection

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

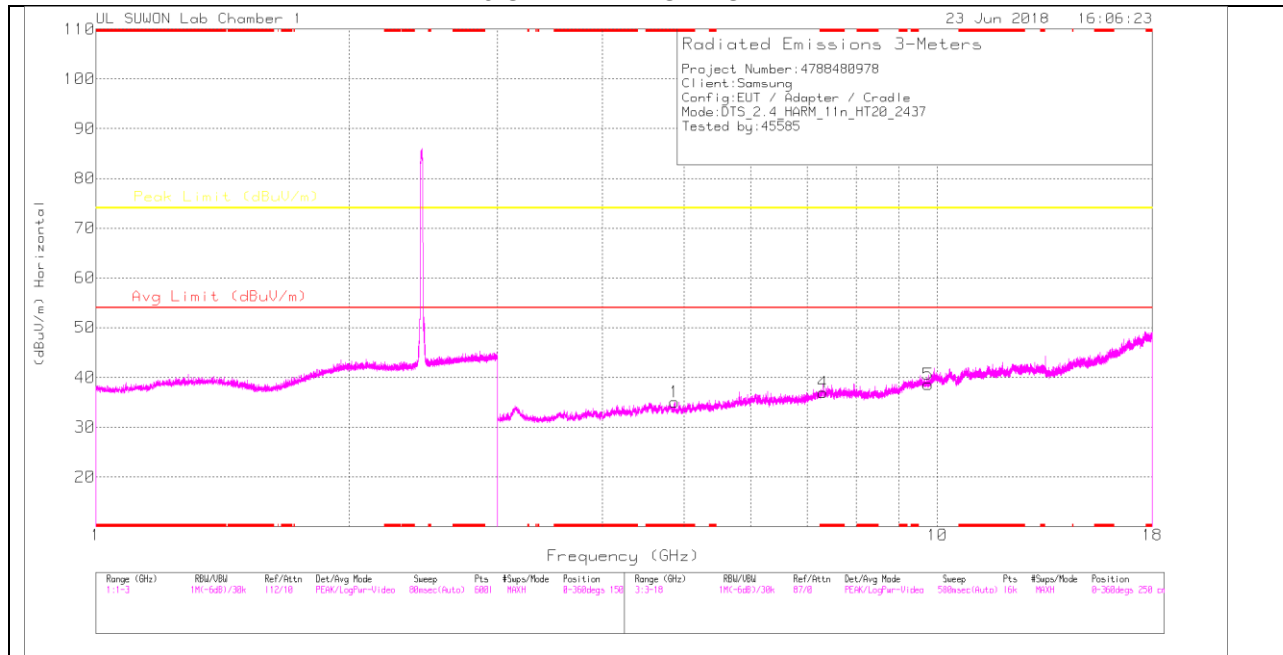
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001687_17	3GHz_HP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	32.15	PK	33.8	-31.6	0	34.35	-	-	74	-39.65	0-360	250	H
4	7.236	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

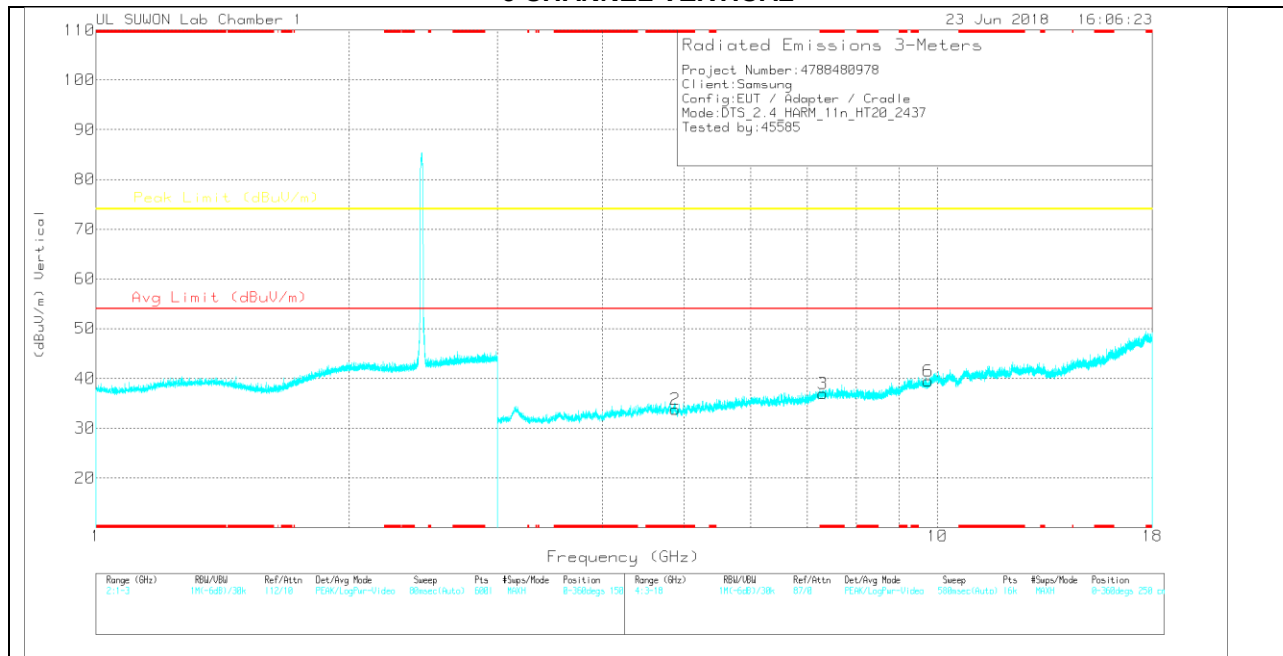
PK – Peak Detector

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

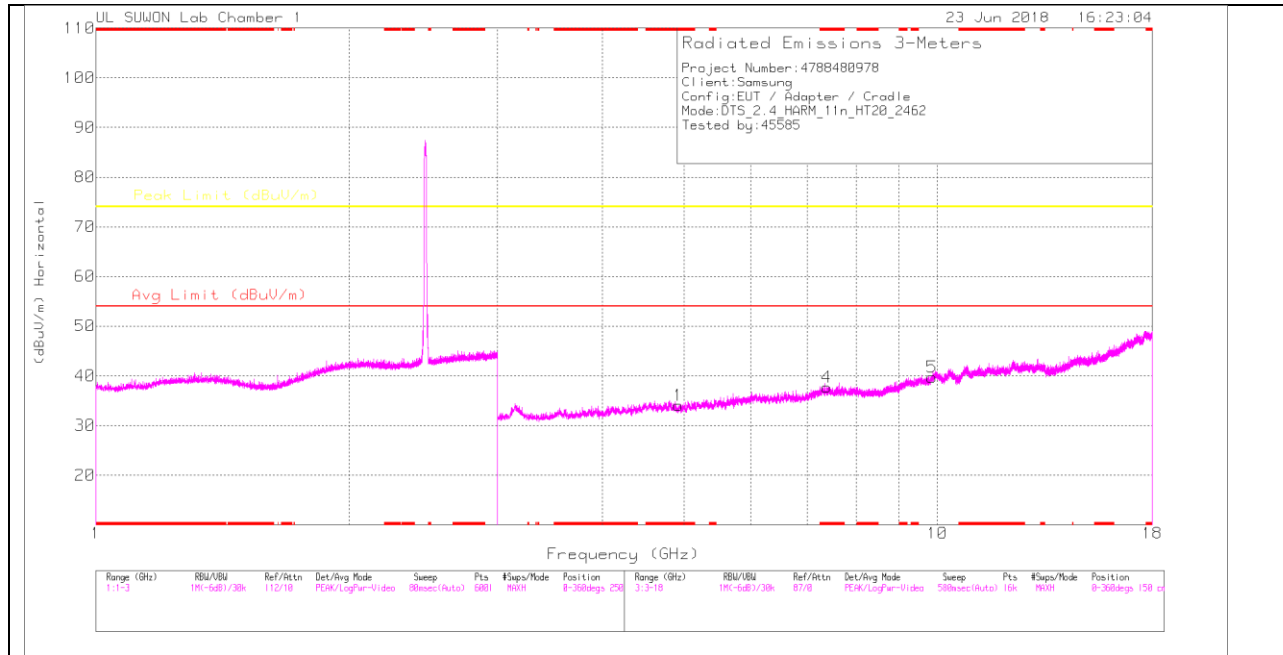
Trace Markers

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

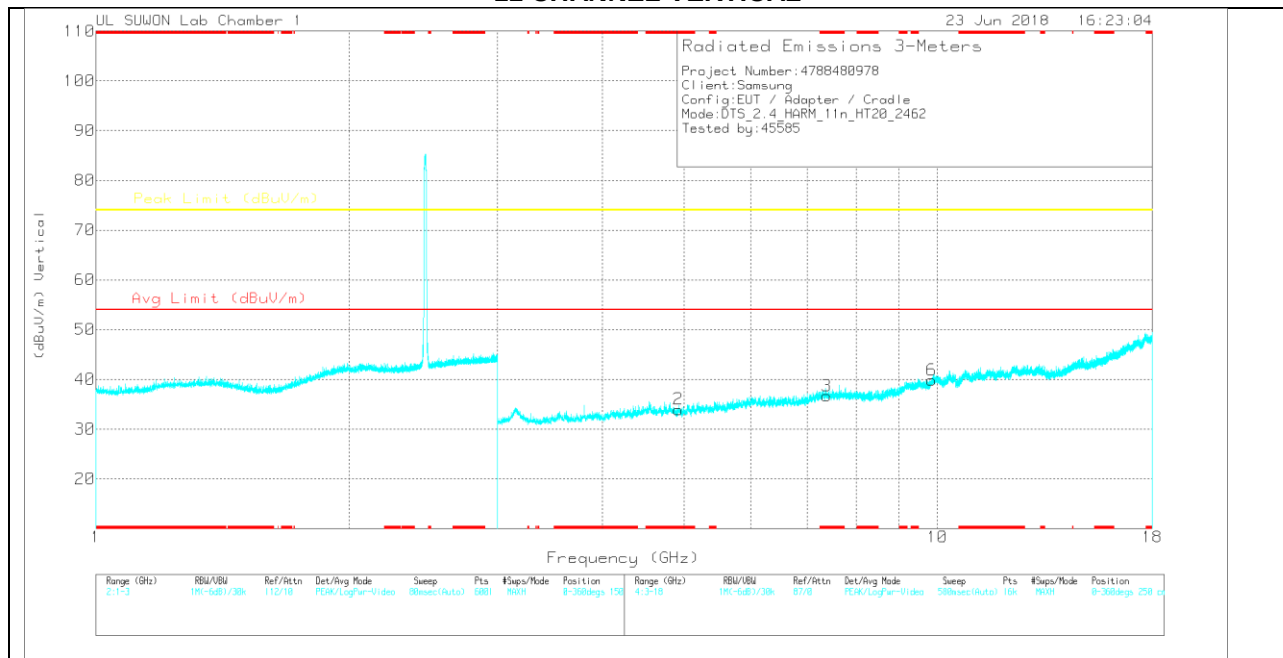
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

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

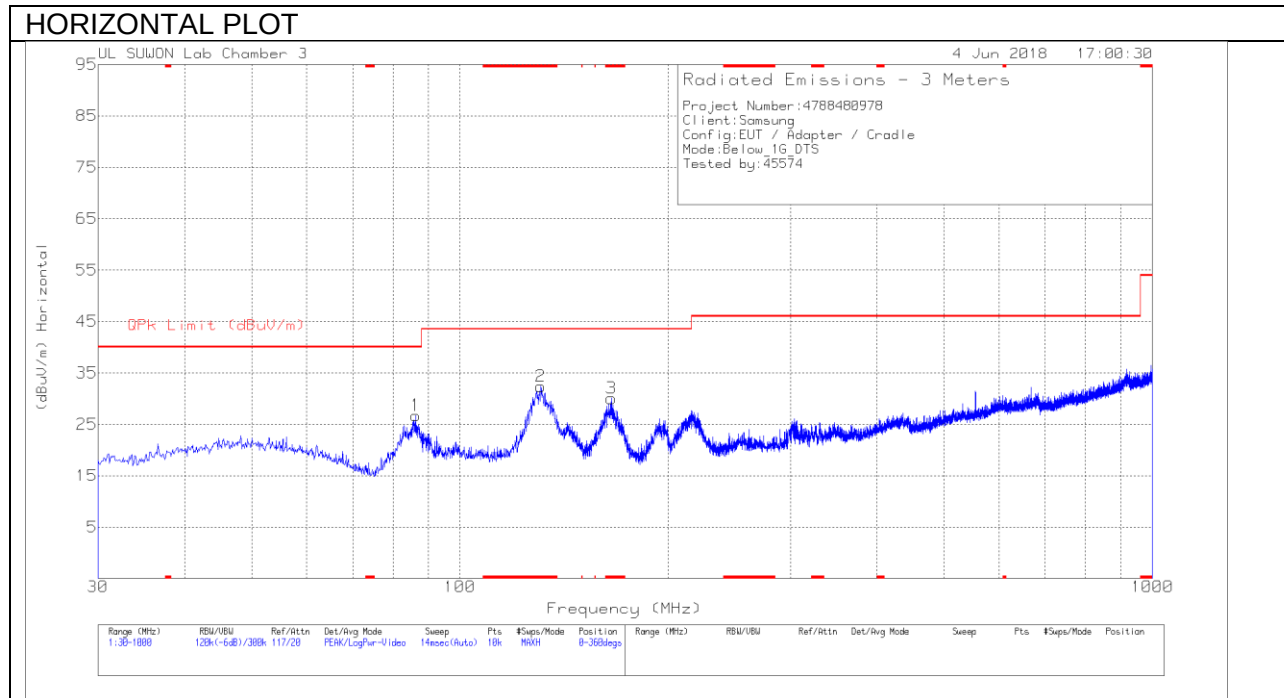
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

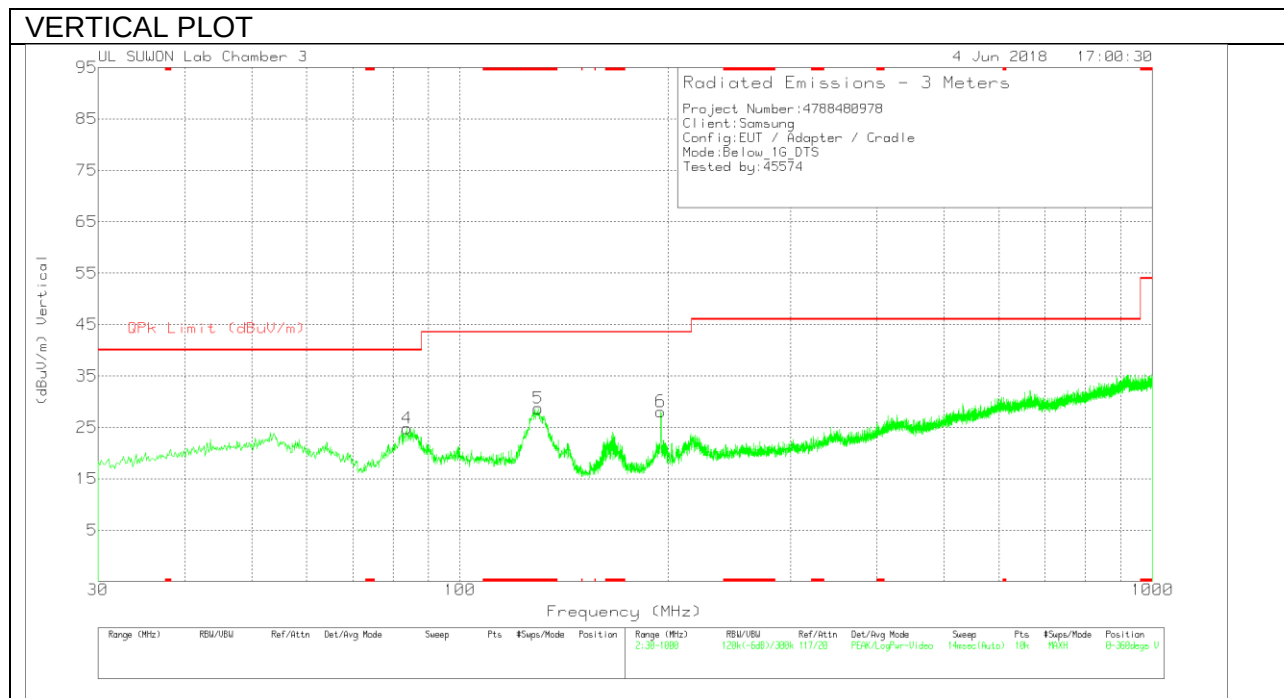
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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)
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

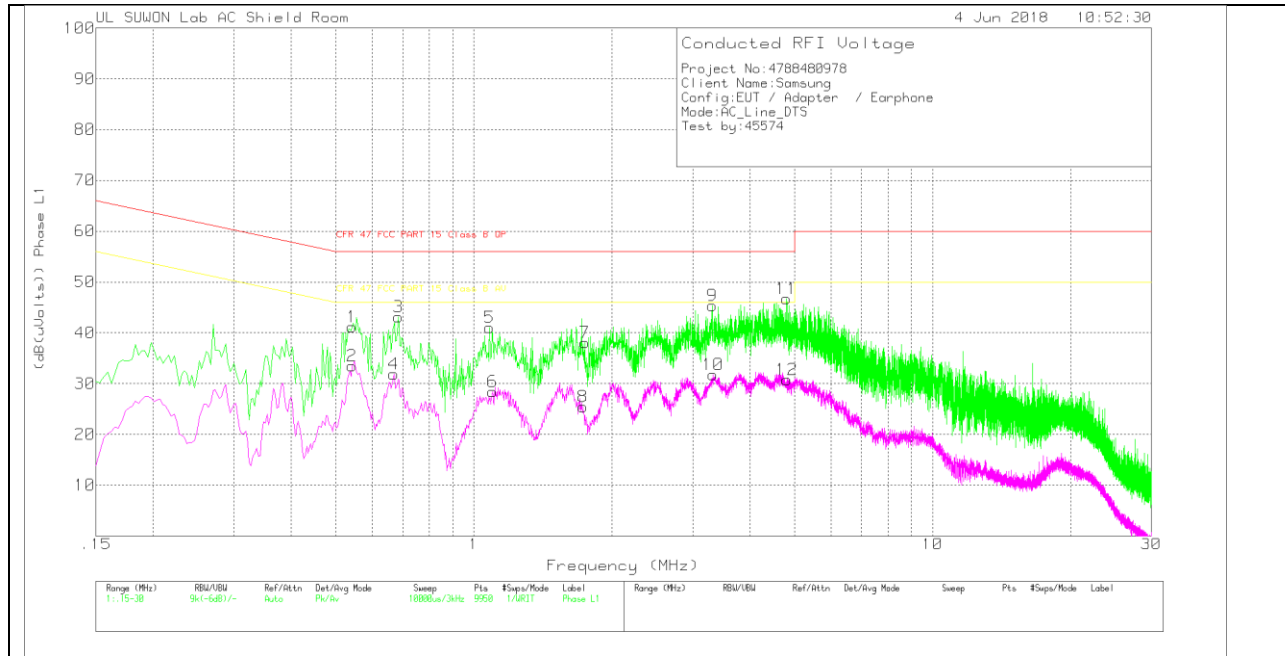
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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.

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

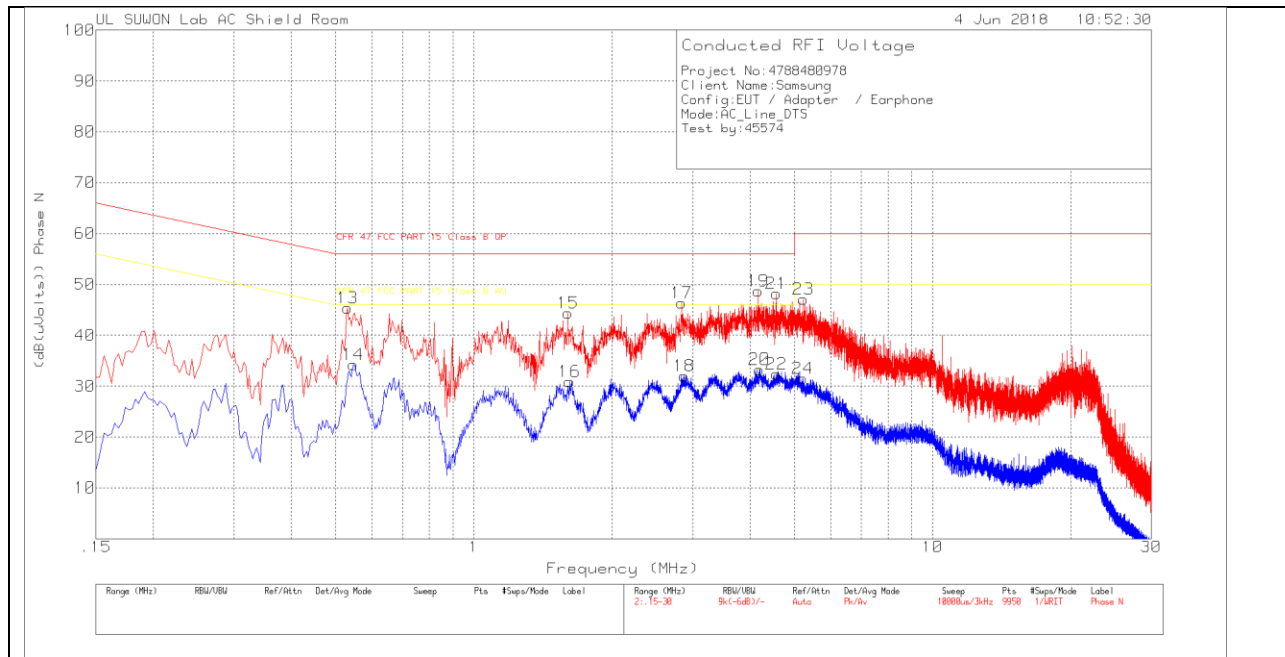
Range 1: Phase L1 .15 - 30MHz

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