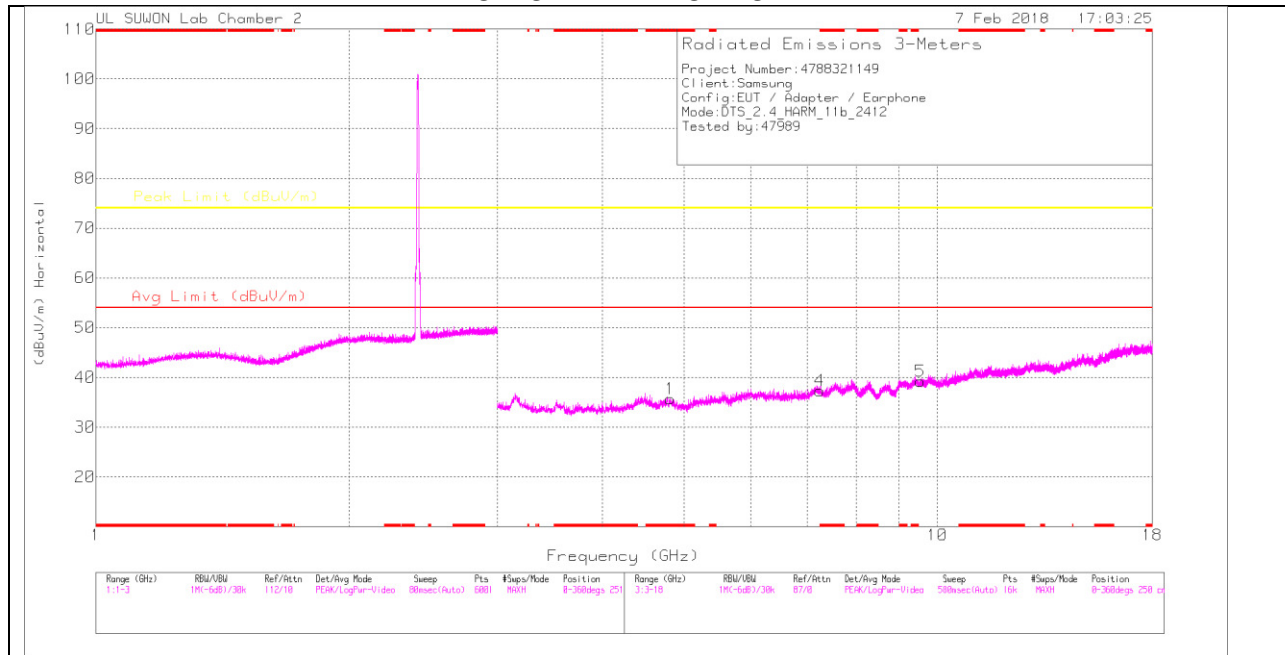
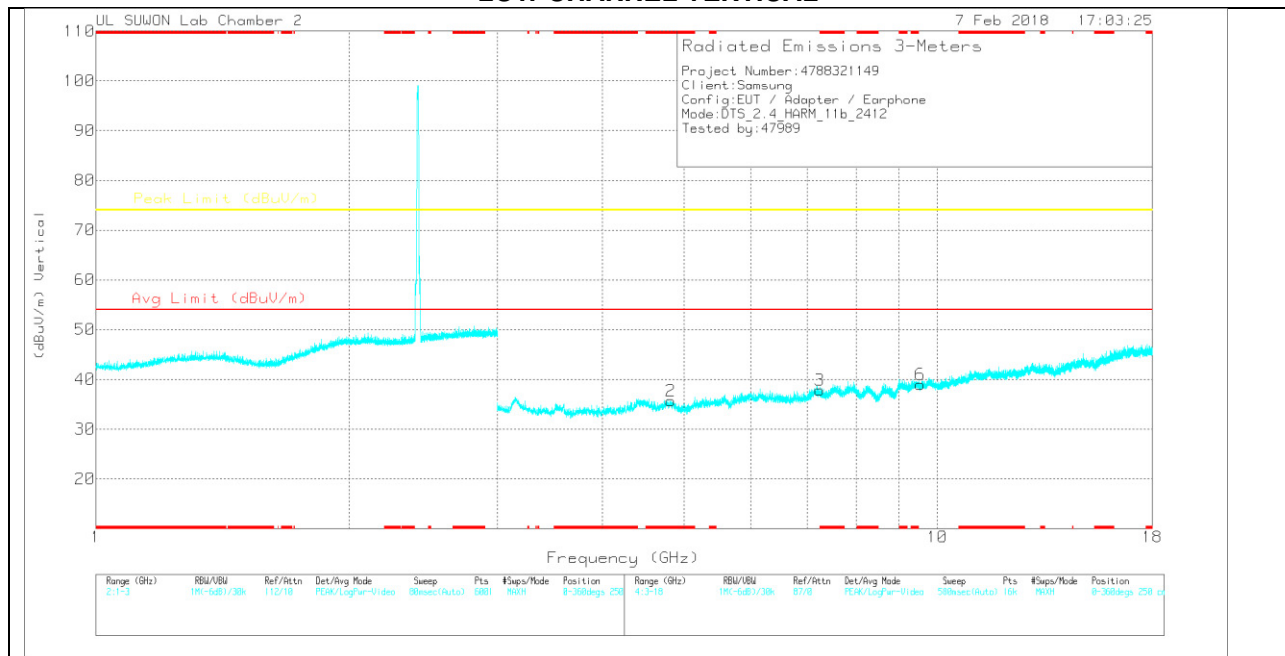


HARMONICS AND SPURIOUS EMISSIONS

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

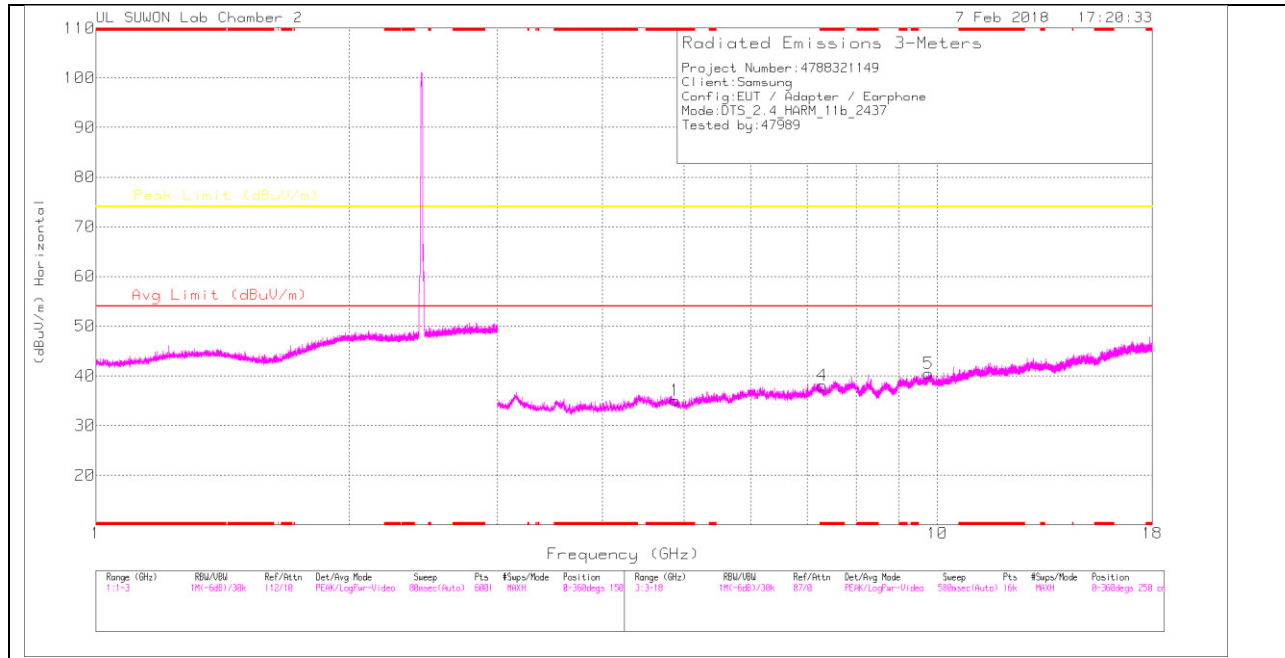
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	* 4.815	26.24	PK		33.8	-24.3	0	35.74	-	-	74	-38.26	0-360	250	H
4	* 7.25	23.54	PK		35.9	-22.1	0	37.34	-	-	74	-36.66	0-360	150	H
5	9.541	21.04	PK		36.7	-18.5	0	39.24	-	-	74	-34.76	0-360	150	H
2	* 4.819	26.21	PK		33.8	-24.3	0	35.71	-	-	74	-38.29	0-360	250	V
3	7.244	23.99	PK		35.9	-22	0	37.89	-	-	74	-36.11	0-360	250	V
6	9.545	20.73	PK		36.7	-18.5	0	38.93	-	-	74	-35.07	0-360	150	V

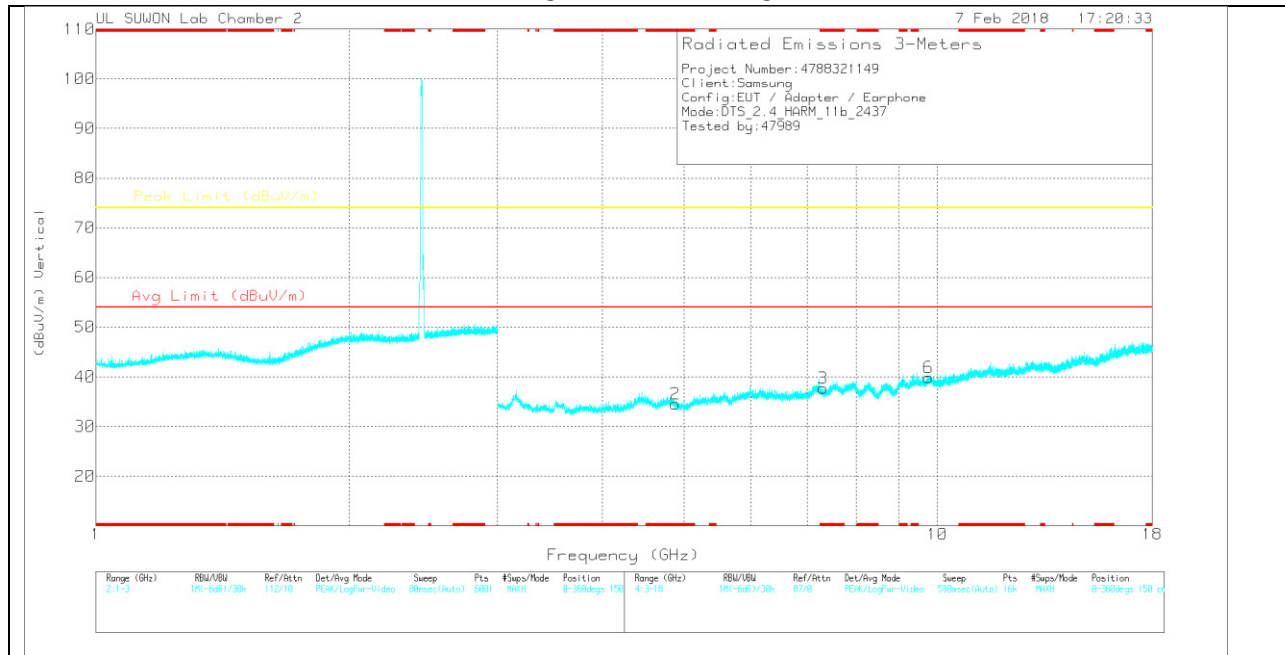
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

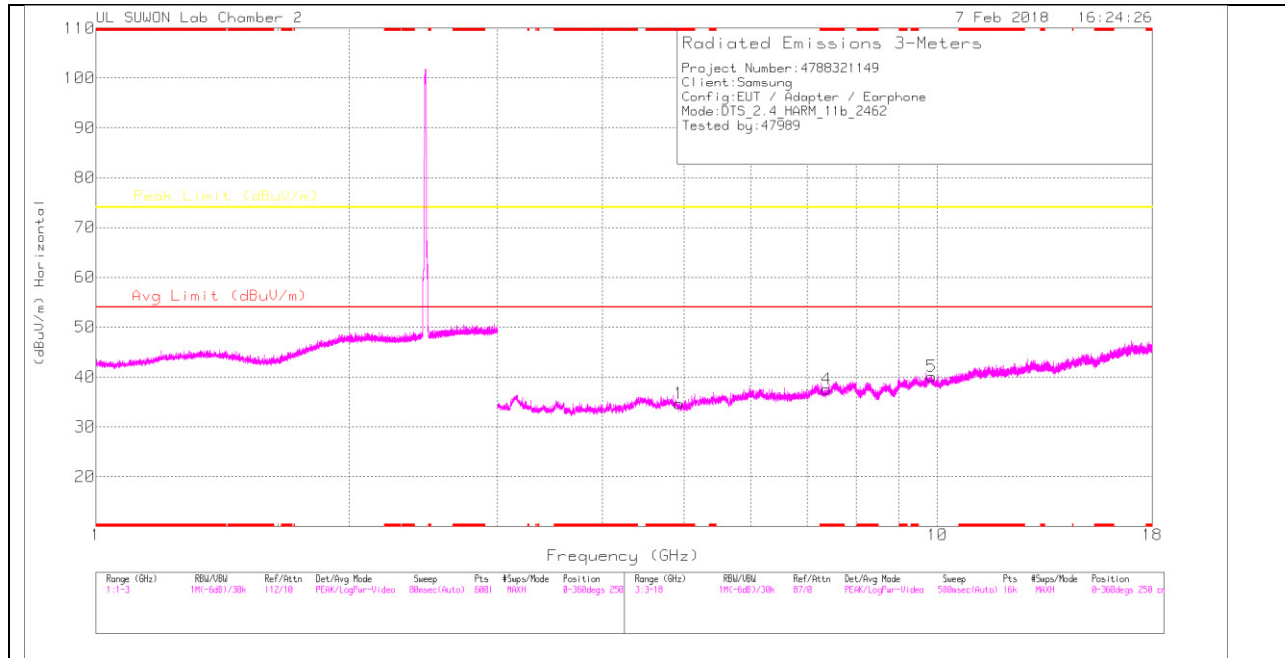
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.877	25.73	PK	33.8	-24.5	0	35.03	-	-	74	-38.97	0-360	150	H
4	* 7.302	24.21	PK	35.9	-22	0	38.11	-	-	74	-35.89	0-360	250	H
5	9.756	21.56	PK	36.9	-18	0	40.46	-	-	74	-33.54	0-360	250	H
2	* 4.882	25.31	PK	33.8	-24.6	0	34.51	-	-	74	-39.49	0-360	250	V
3	* 7.306	23.82	PK	35.9	-22	0	37.72	-	-	74	-36.28	0-360	250	V
6	9.753	21.01	PK	36.9	-18.1	0	39.81	-	-	74	-34.19	0-360	250	V

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

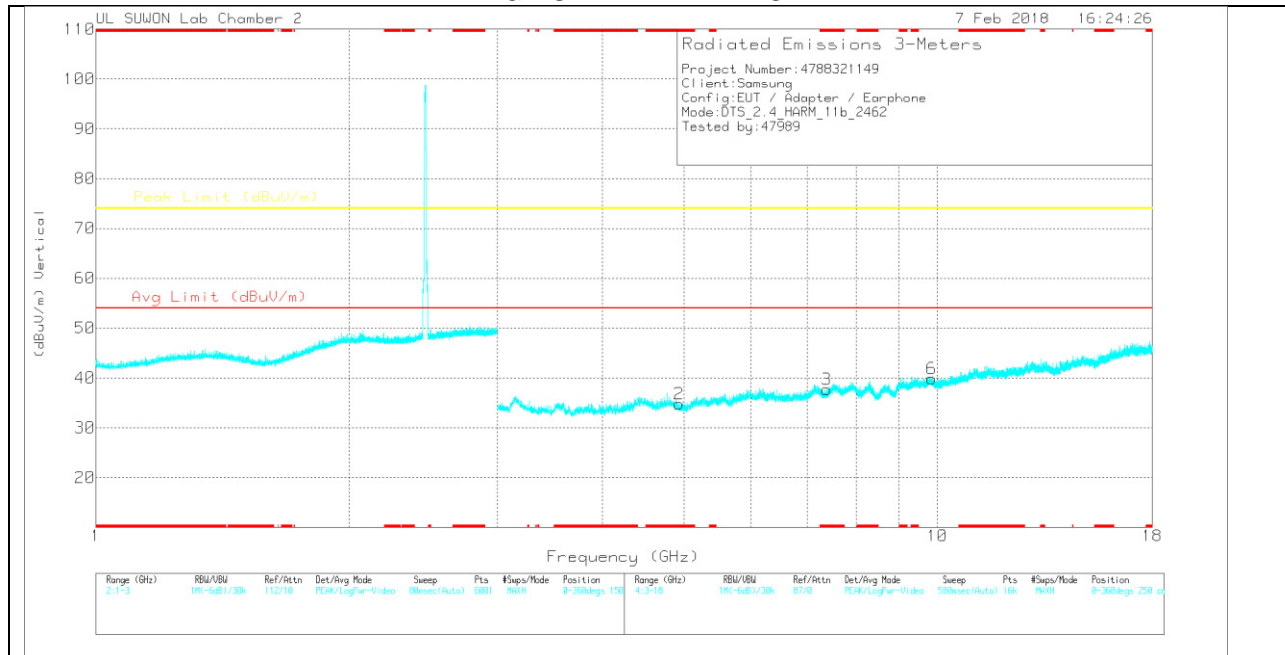
PK – Peak detector

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

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	170531_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	* 4.926	25.61	PK		33.8	-24.7	0	34.71	-	-	74	-39.29	0-360	250	H
4	* 7.39	22.99	PK		35.9	-21.3	0	37.59	-	-	74	-36.41	0-360	250	H
5	9.84	21.04	PK		37	-17.9	0	40.14	-	-	74	-33.86	0-360	250	H
2	* 4.93	25.65	PK		33.8	-24.7	0	34.75	-	-	74	-39.25	0-360	150	V
3	* 7.388	23.2	PK		35.9	-21.4	0	37.7	-	-	74	-36.3	0-360	150	V
6	9.841	20.79	PK		37	-17.9	0	39.89	-	-	74	-34.11	0-360	250	V

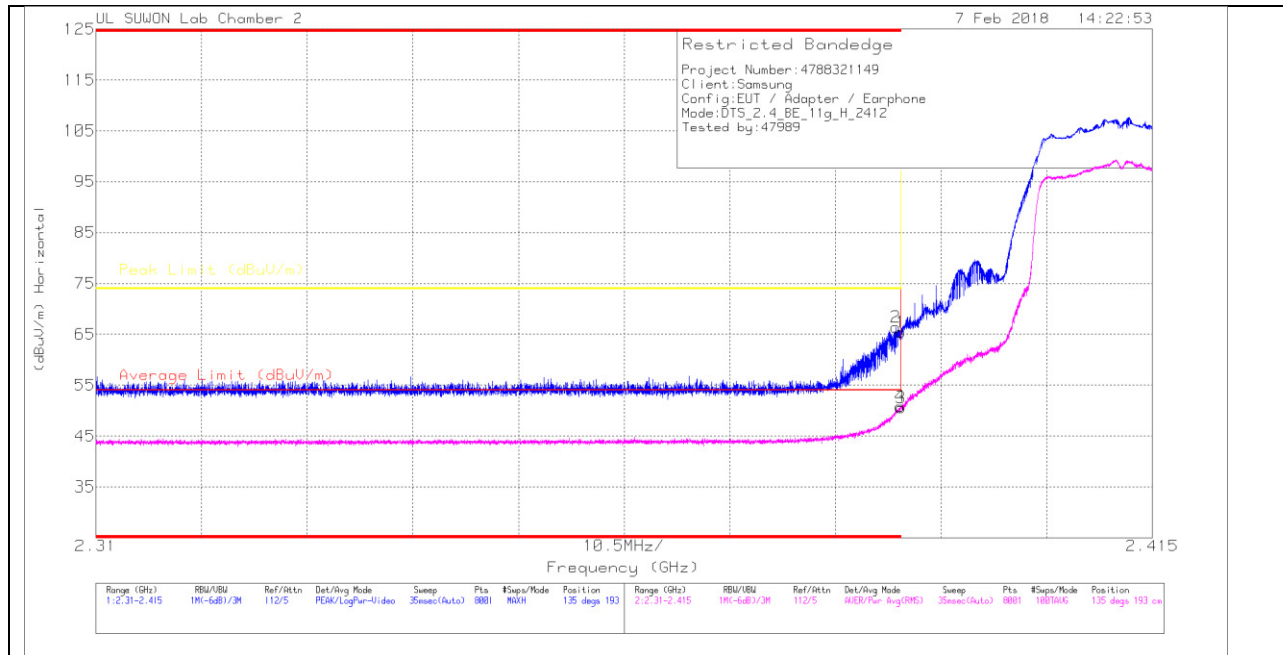
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

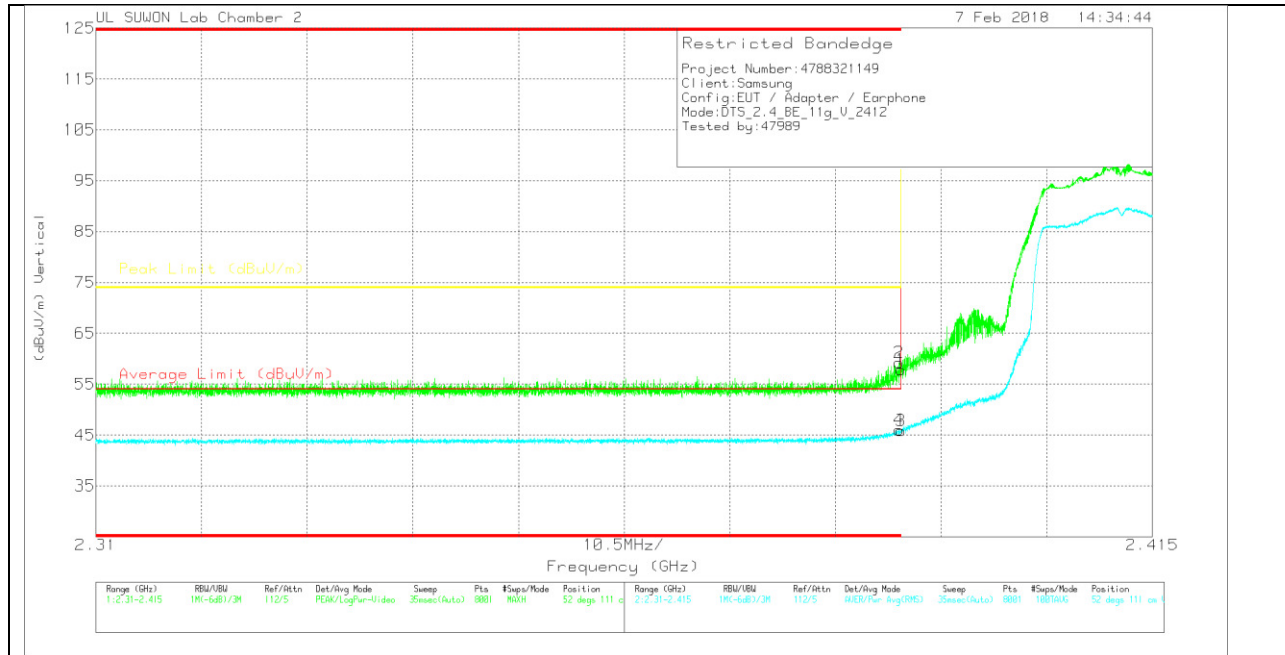
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.3	Pk	31.3	-18.2	0	65.4	-	-	74	-8.6	135	193	H
2	* 2.39	53.25	Pk	31.3	-18.2	0	66.35	-	-	74	-7.65	135	193	H
3	* 2.39	37.21	RMS	31.3	-18.2	.3	50.61	54	-3.39	-	-	135	193	H
4	* 2.39	37.38	RMS	31.3	-18.2	.3	50.78	54	-3.22	-	-	135	193	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	170531_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	44.76	Pk	31.3	-18.2	0	57.86	-	-	74	-16.14	52	111	V
2	* 2.39	46.13	Pk	31.3	-18.2	0	59.23	-	-	74	-14.77	52	111	V
3	* 2.39	32.52	RMS	31.3	-18.2	.3	45.92	54	-8.08	-	-	52	111	V
4	* 2.39	32.63	RMS	31.3	-18.2	.3	46.03	54	-7.97	-	-	52	111	V

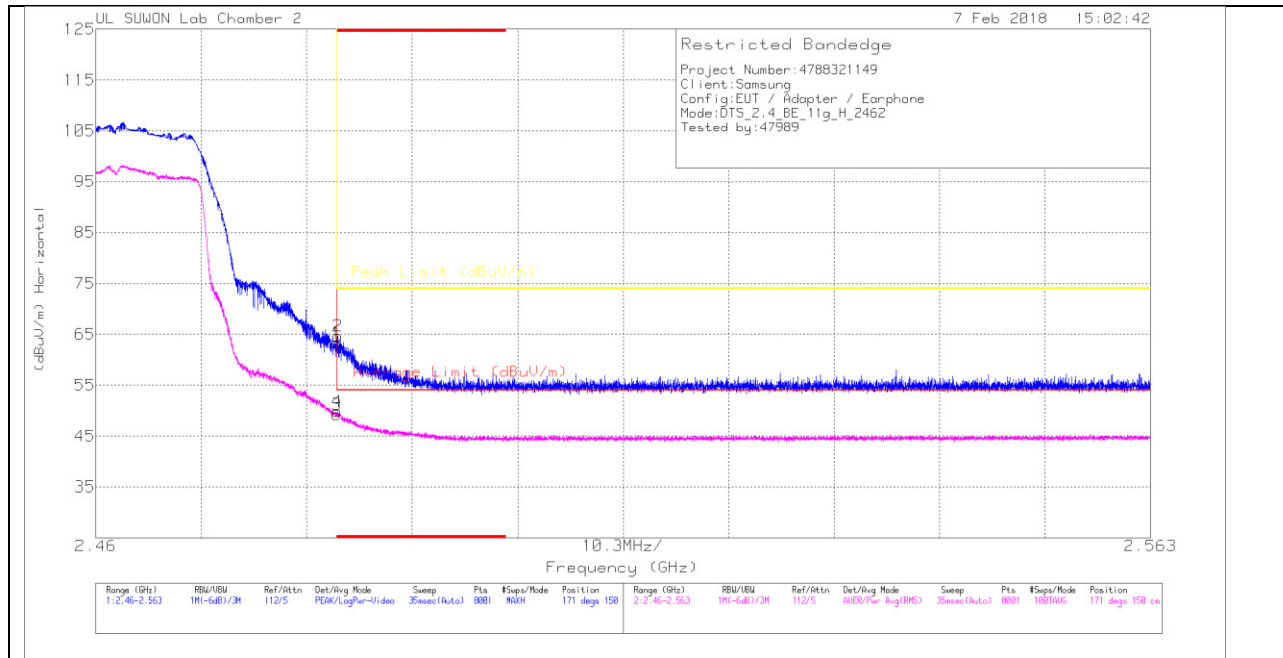
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

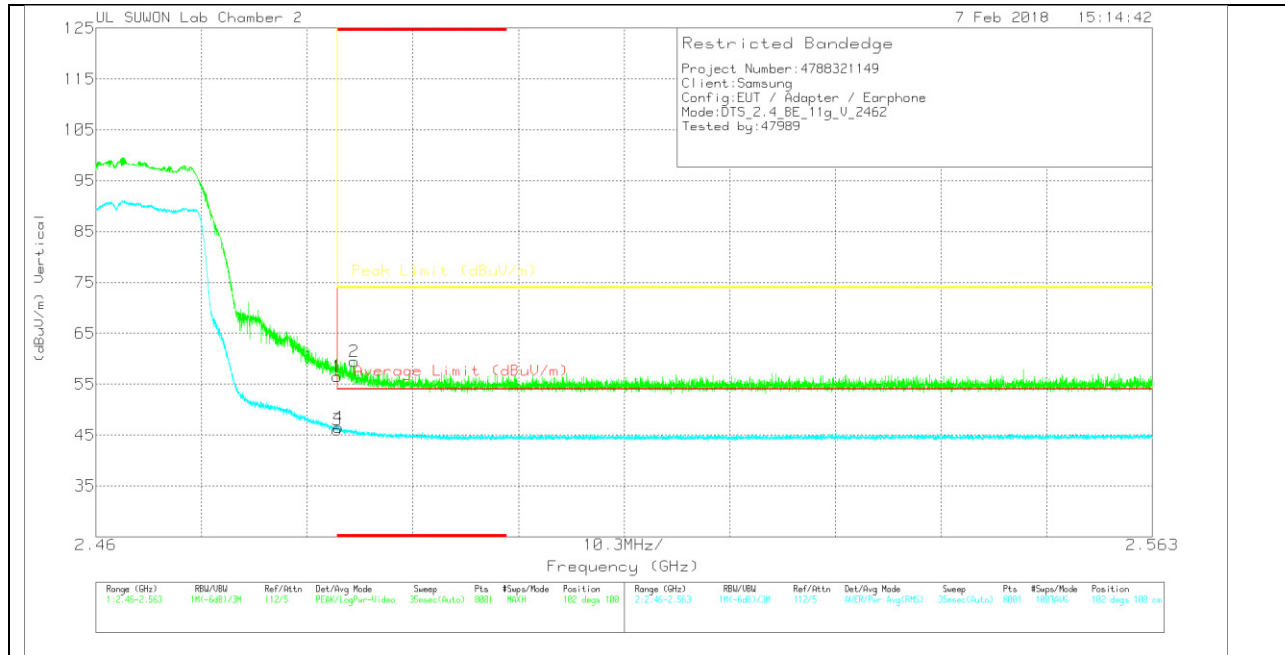
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.67	Pk		31.6	-18	63.27	-	-	74	-10.73	171	150	H
2	* 2.484	51.06	Pk		31.6	-18	64.66	-	-	74	-9.34	171	150	H
3	* 2.484	35.31	RMS		31.6	-18	49.21	54	-4.79	-	-	171	150	H
4	* 2.484	35.89	RMS		31.6	-18	49.79	54	-4.21	-	-	171	150	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	170531_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	42.95	Pk	31.6	-18	0	56.55	-	-	74	-17.45	102	100	V
2	* 2.485	45.87	Pk	31.6	-18	0	59.47	-	-	74	-14.53	102	100	V
3	* 2.484	32.09	RMS	31.6	-18	.3	45.99	54	-8.01	-	-	102	100	V
4	* 2.484	32.6	RMS	31.6	-18	.3	46.5	54	-7.5	-	-	102	100	V

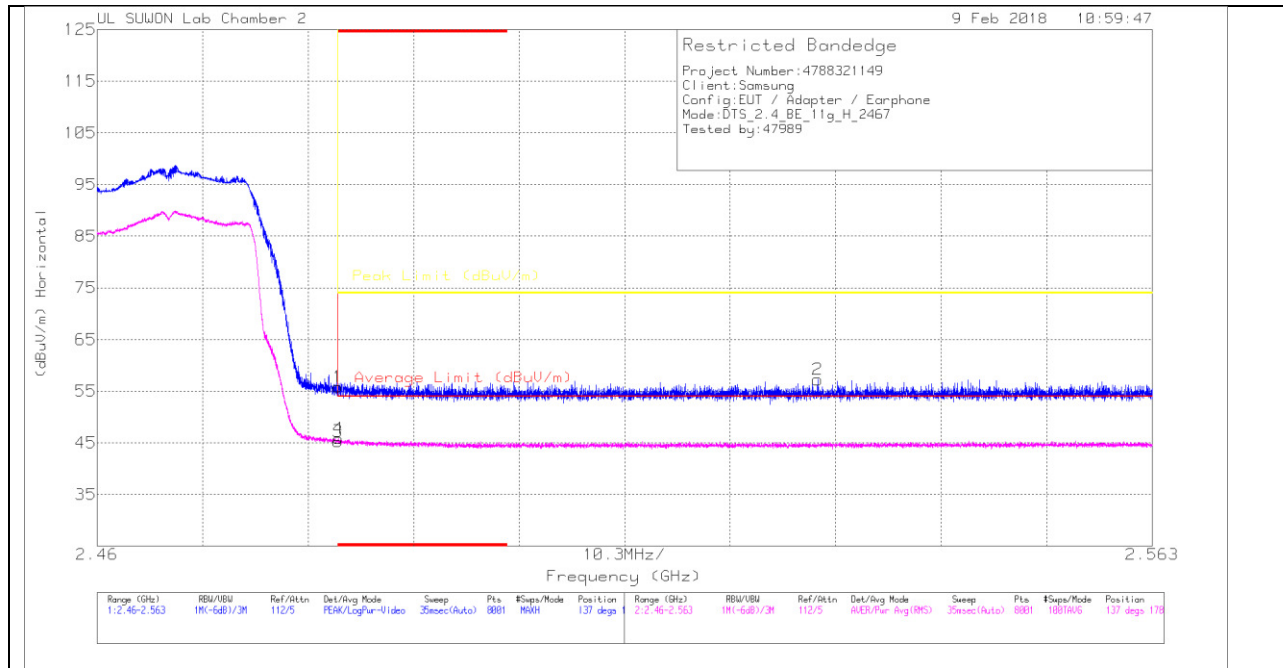
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

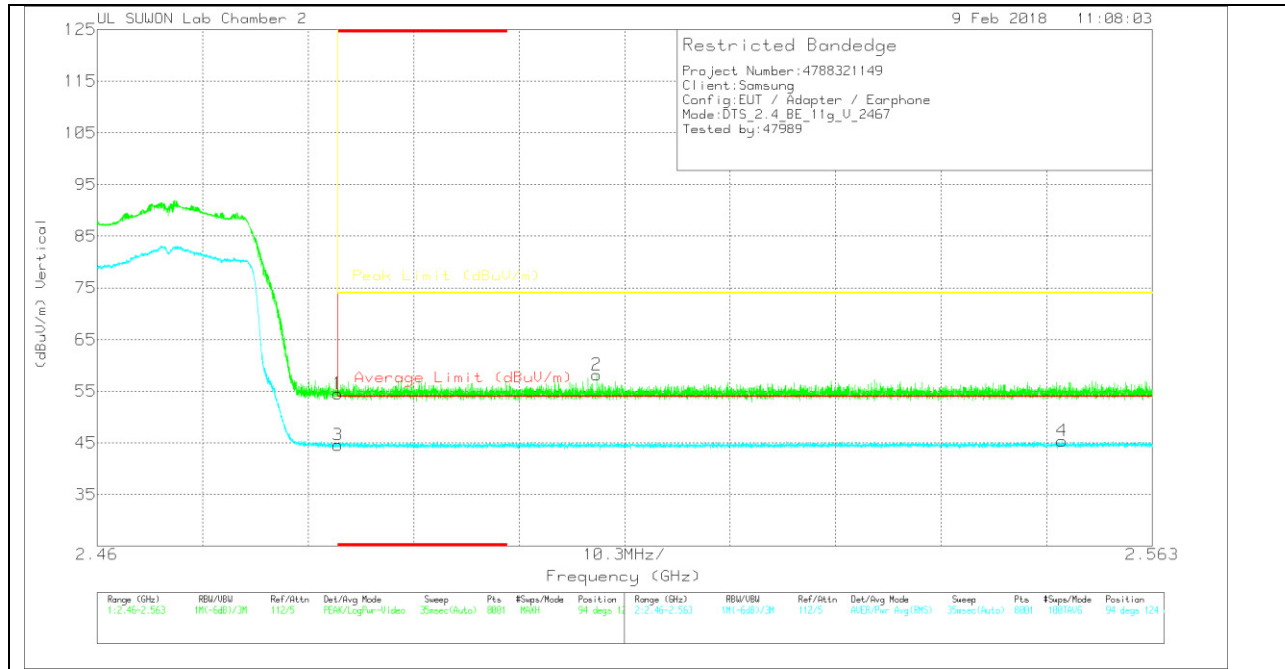
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.25	Pk	31.6	-18	0	55.85	-	-	74	-18.15	137	178	H
2	2.53	43.55	Pk	31.7	-18	0	57.25	-	-	74	-16.75	137	178	H
3	* 2.484	31.38	RMS	31.6	-18	.3	45.28	54	-8.72	-	-	137	178	H
4	* 2.484	31.97	RMS	31.6	-18	.3	45.87	54	-8.13	-	-	137	178	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	170531_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	40.94	Pk	31.6	-18	0	54.54	-	-	74	-19.46	94	124	V
2	2.509	44.6	Pk	31.6	-18	0	58.2	-	-	74	-15.8	94	124	V
3	* 2.484	30.69	RMS	31.6	-18	.3	44.59	54	-9.41	-	-	94	124	V
4	2.554	31.42	RMS	31.7	-18	.3	45.42	54	-8.58	-	-	94	124	V

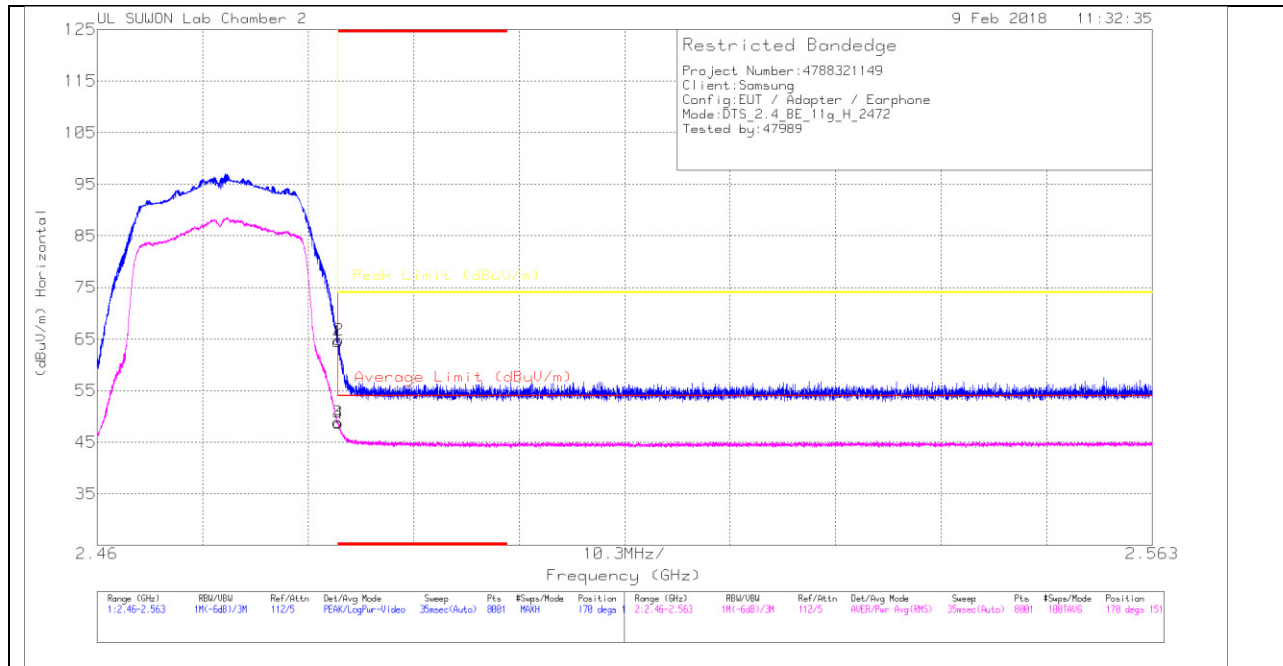
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

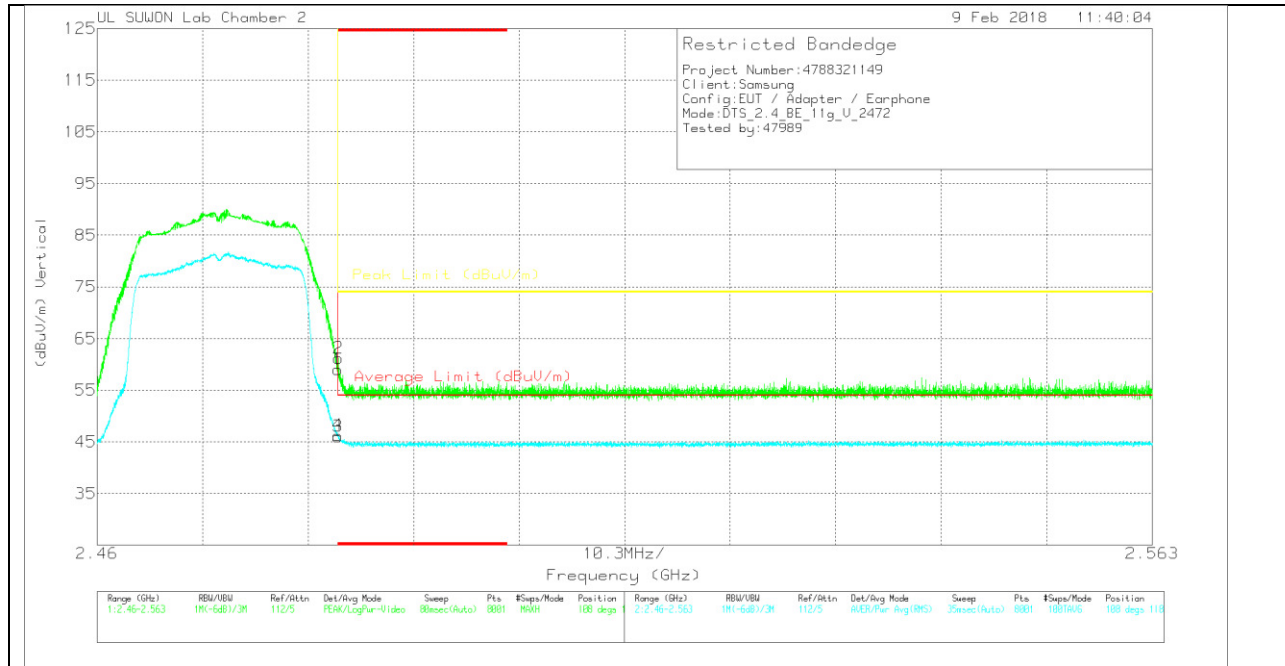
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.89	Pk	31.6	-18	0	64.49	-	-	74	-9.51	170	151	H
2	* 2.484	51.24	Pk	31.6	-18	0	64.84	-	-	74	-9.16	170	151	H
3	* 2.484	34.98	RMS	31.6	-18	.3	48.88	54	-5.12	-	-	170	151	H
4	* 2.484	34.75	RMS	31.6	-18	.3	48.65	54	-5.35	-	-	170	151	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

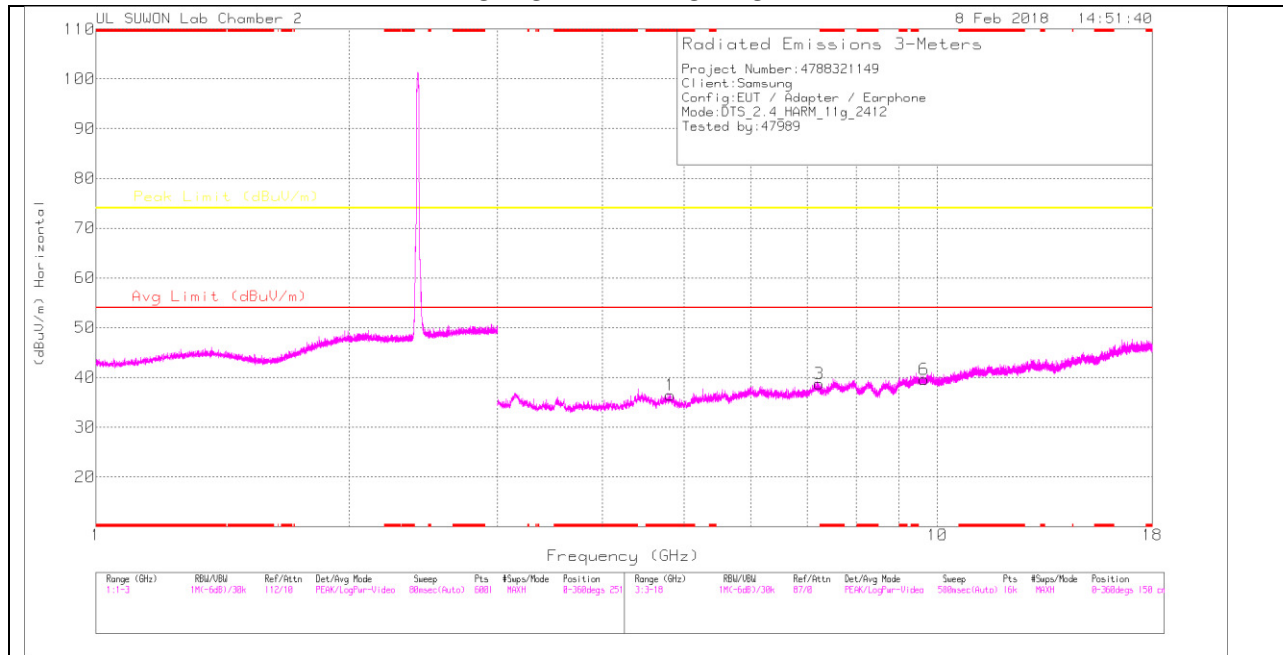
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.42	Pk		31.6	-18	59.02	-	-	74	-14.98	108	118	V
2	* 2.484	47.61	Pk		31.6	-18	61.21	-	-	74	-12.79	108	118	V
3	* 2.484	32.14	RMS		31.6	-18	46.04	54	-7.96	-	-	108	118	V
4	* 2.484	32.38	RMS		31.6	-18	46.28	54	-7.72	-	-	108	118	V

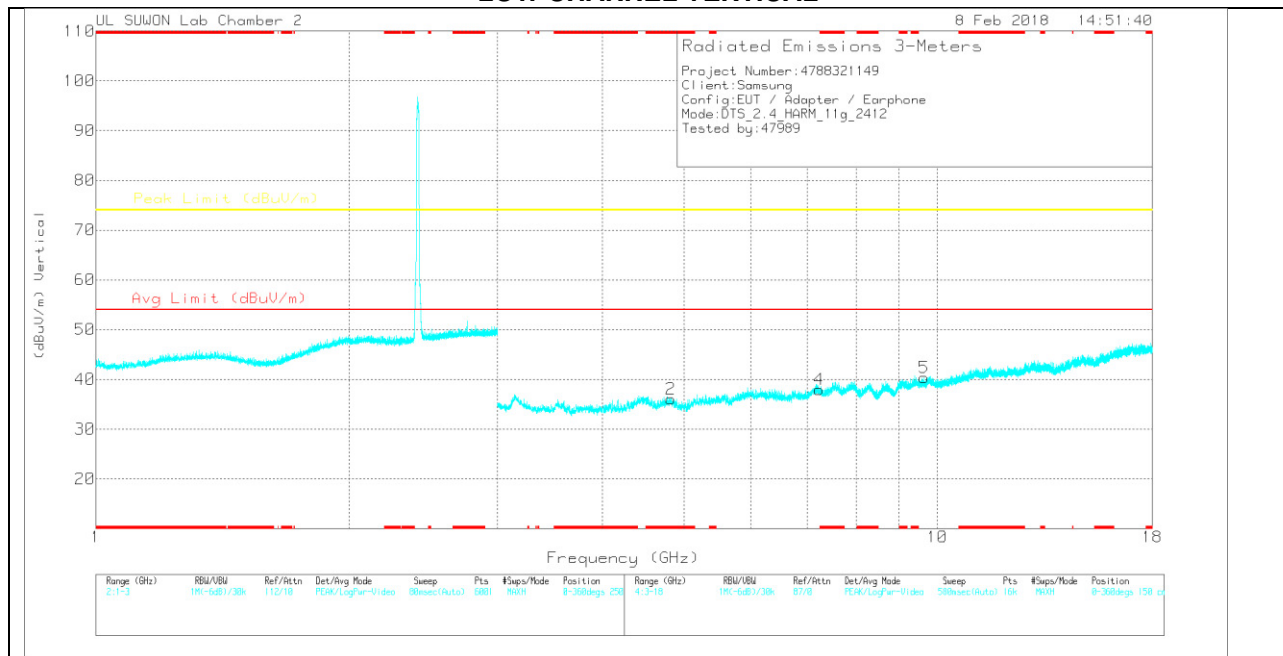
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

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

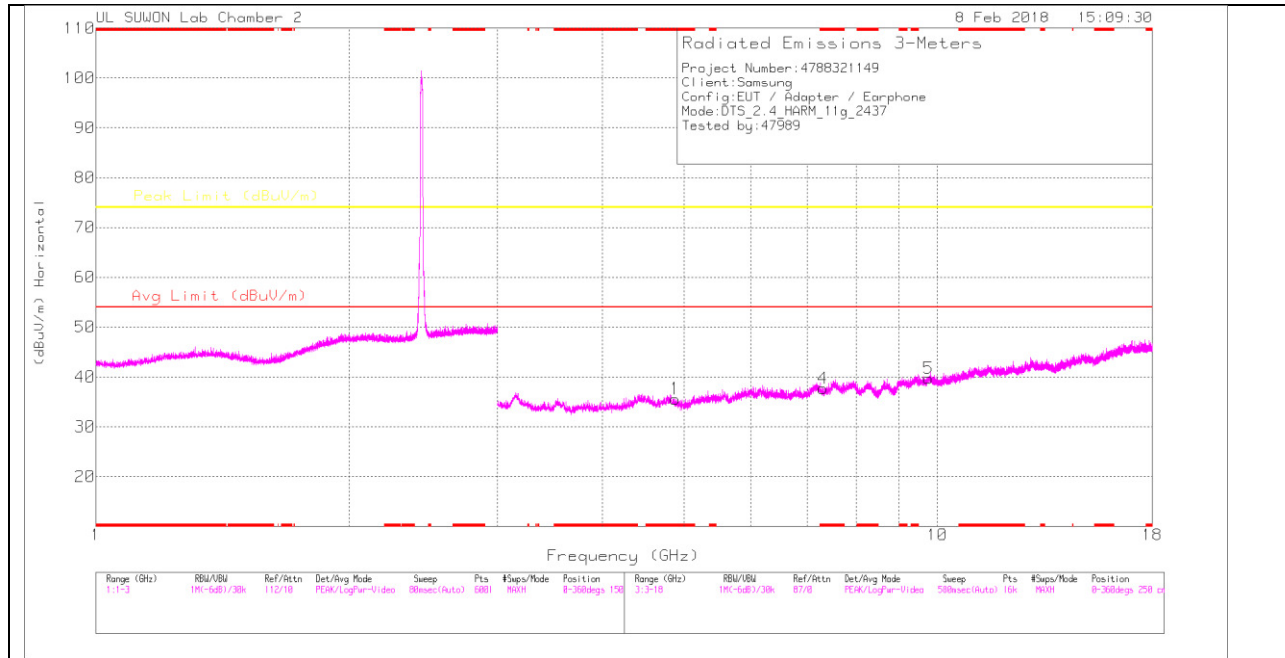
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	* 4.81	26.99	PK		33.8	-24.3	0	36.49	-	-	74	-37.51	0-360	150	H
3	7.233	24.73	PK		35.9	-21.9	0	38.73	-	-	74	-35.27	0-360	150	H
6	9.643	21.08	PK		36.8	-18.3	0	39.58	-	-	74	-34.42	0-360	250	H
2	* 4.822	26.57	PK		33.8	-24.3	0	36.07	-	-	74	-37.93	0-360	250	V
4	7.239	24.09	PK		35.9	-22	0	37.99	-	-	74	-36.01	0-360	250	V
5	9.645	21.92	PK		36.8	-18.3	0	40.42	-	-	74	-33.58	0-360	150	V

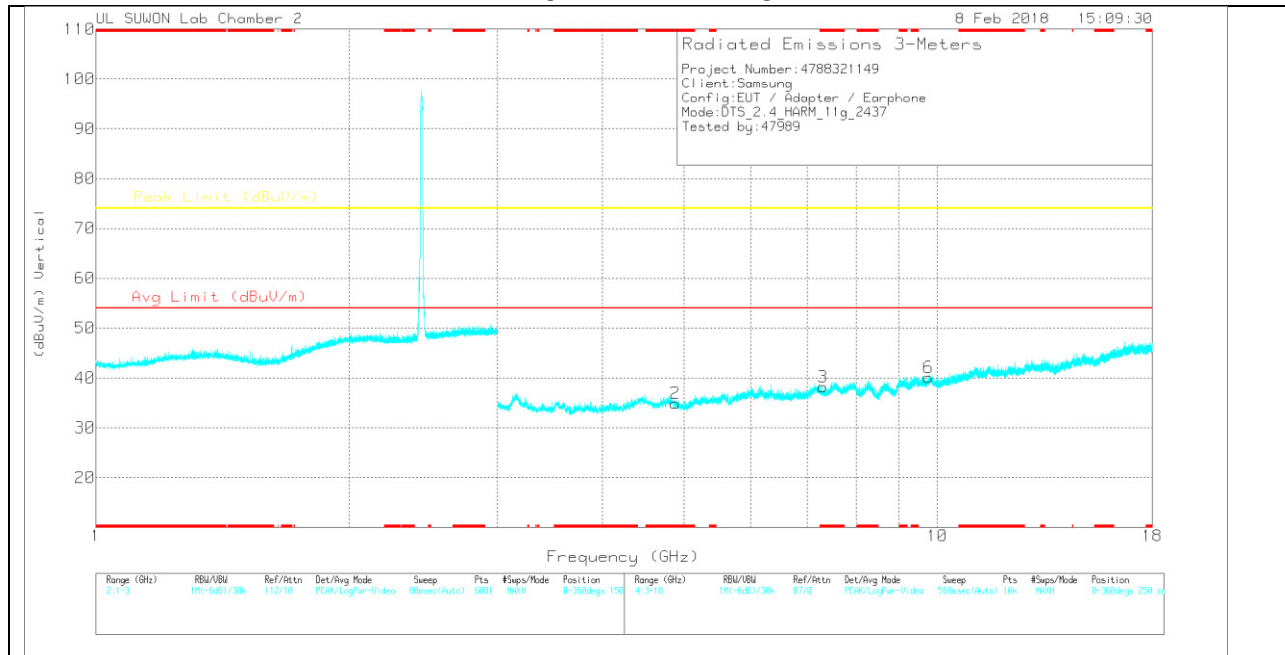
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

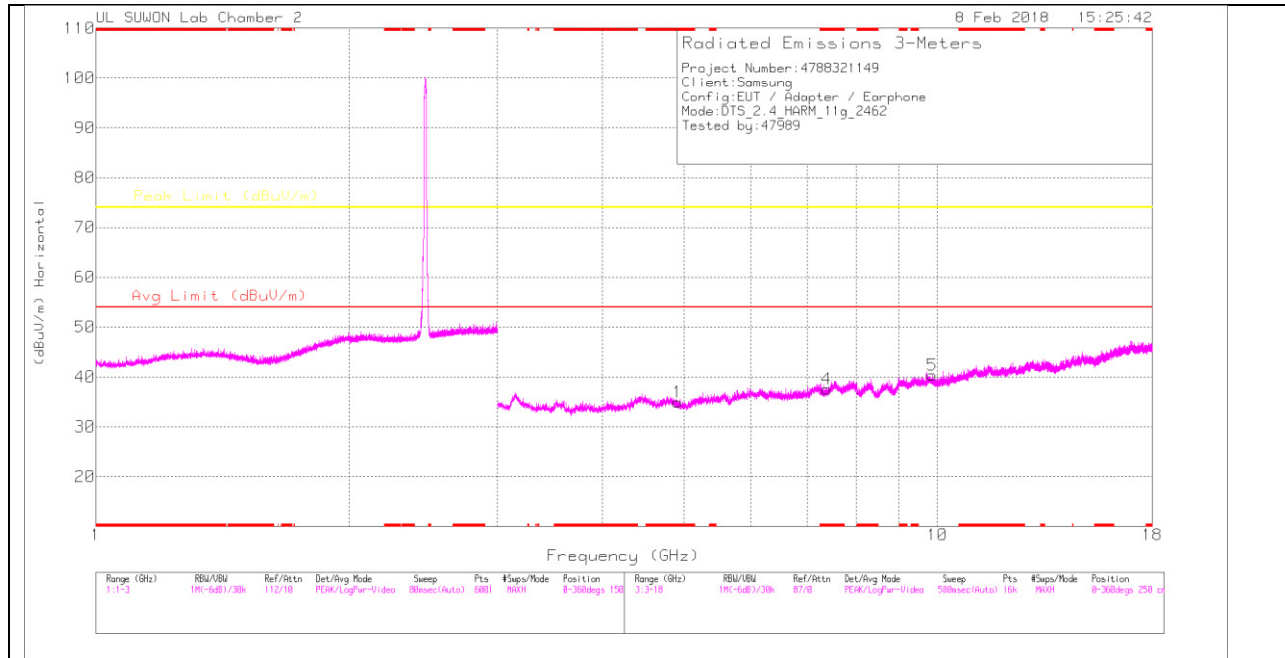
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	* 4.88	26.42	PK		33.8	-24.6	0	35.62	-	-	74	-38.38	0-360	150	H
4	* 7.313	23.8	PK		35.9	-22	0	37.7	-	-	74	-36.3	0-360	250	H
5	9.751	20.97	PK		36.9	-18.1	0	39.77	-	-	74	-34.23	0-360	250	H
2	* 4.881	25.73	PK		33.8	-24.6	0	34.93	-	-	74	-39.07	0-360	250	V
3	* 7.313	24.33	PK		35.9	-22	0	38.23	-	-	74	-35.77	0-360	250	V
6	9.759	21.22	PK		36.9	-18	0	40.12	-	-	74	-33.88	0-360	150	V

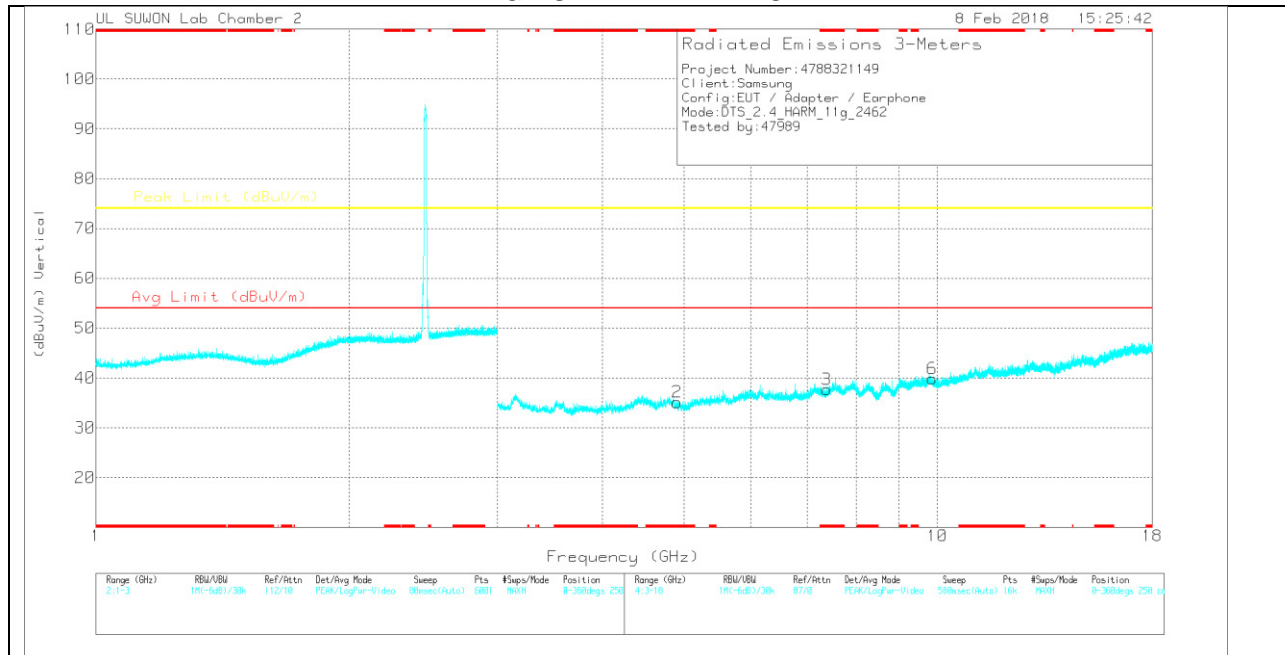
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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	170531_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	* 4.915	25.73	PK	33.8	-24.6	0	34.93	-	-	74	-39.07	0-360	250	H
4	* 7.389	23.12	PK	35.9	-21.4	0	37.62	-	-	74	-36.38	0-360	150	H
5	9.854	21.26	PK	37	-17.9	0	40.36	-	-	74	-33.64	0-360	250	H
2	* 4.909	25.92	PK	33.8	-24.6	0	35.12	-	-	74	-38.88	0-360	150	V
3	* 7.384	23.23	PK	35.9	-21.4	0	37.73	-	-	74	-36.27	0-360	250	V
6	9.853	20.75	PK	37	-17.9	0	39.85	-	-	74	-34.15	0-360	150	V

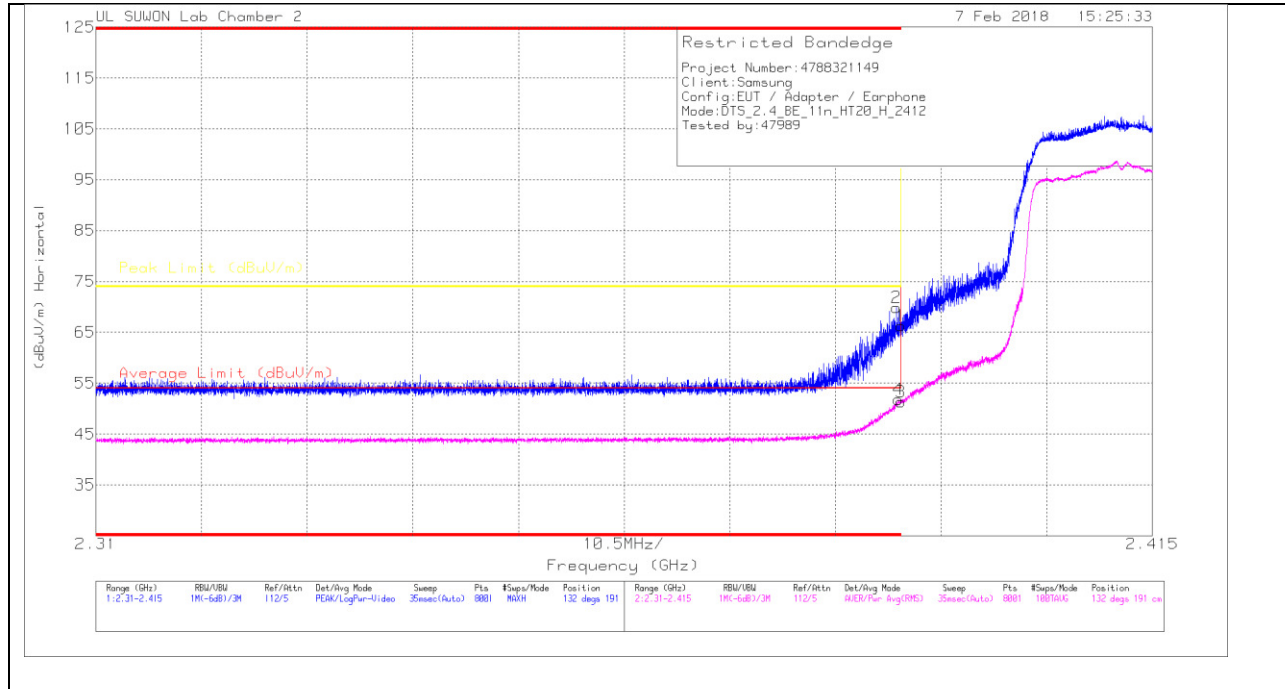
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

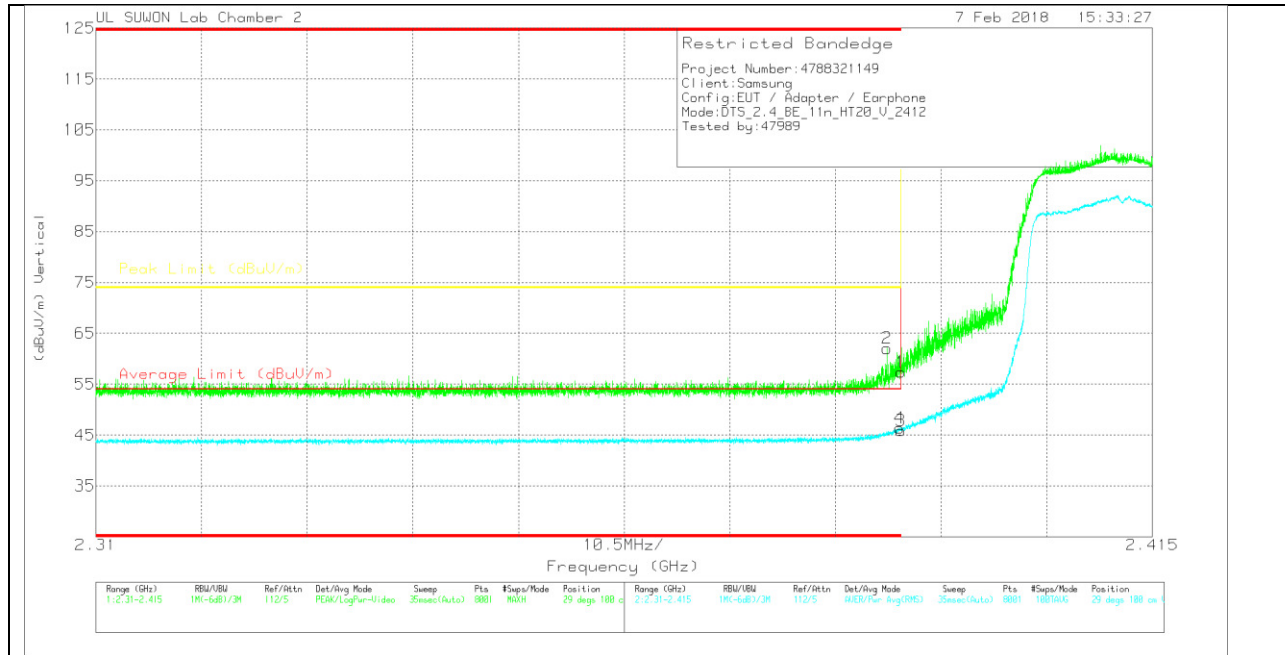
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.17	Pk	31.3	-18.2	0	66.27	-	-	74	-7.73	132	191	H
2	* 2.39	56.76	Pk	31.3	-18.2	0	69.86	-	-	74	-4.14	132	191	H
3	* 2.39	37.93	RMS	31.3	-18.2	.33	51.36	54	-2.64	-	-	132	191	H
4	* 2.39	38.43	RMS	31.3	-18.2	.33	51.86	54	-2.14	-	-	132	191	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	170531_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	44.29	Pk	31.3	-18.2	0	57.39	-	-	74	-16.61	29	100	V
2	* 2.389	48.92	Pk	31.3	-18.2	0	62.02	-	-	74	-11.98	29	100	V
3	* 2.39	32.44	RMS	31.3	-18.2	.33	45.87	54	-8.13	-	-	29	100	V
4	* 2.39	32.95	RMS	31.3	-18.2	.33	46.38	54	-7.62	-	-	29	100	V

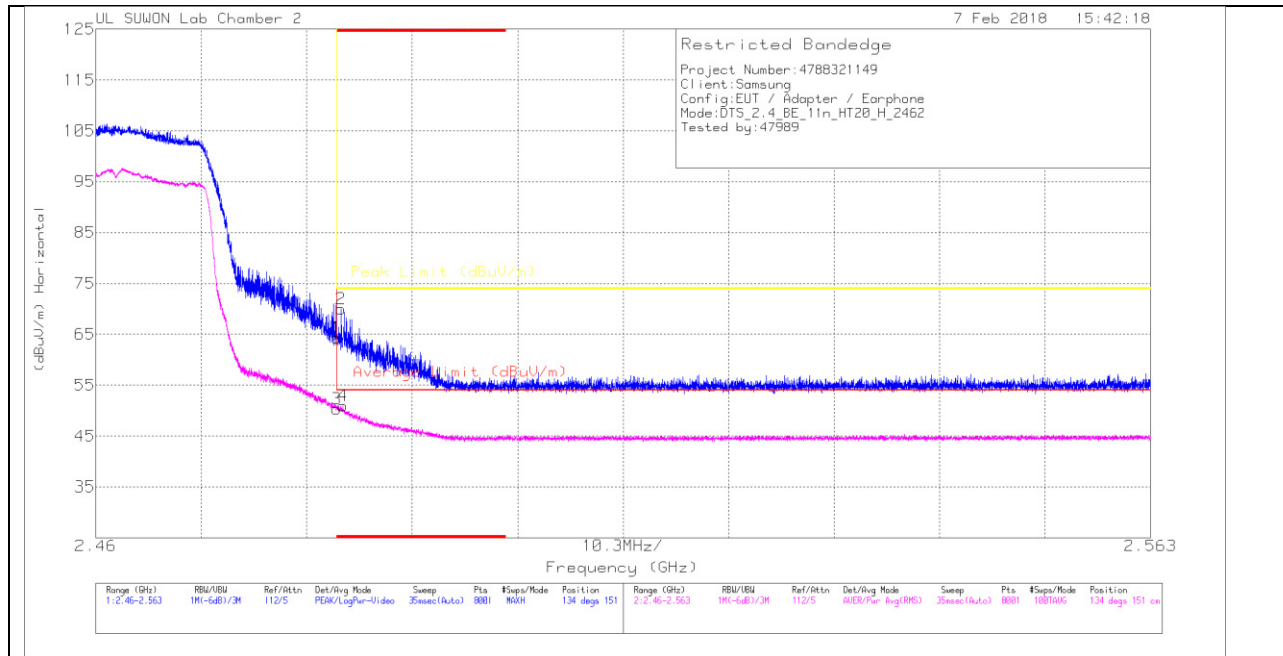
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



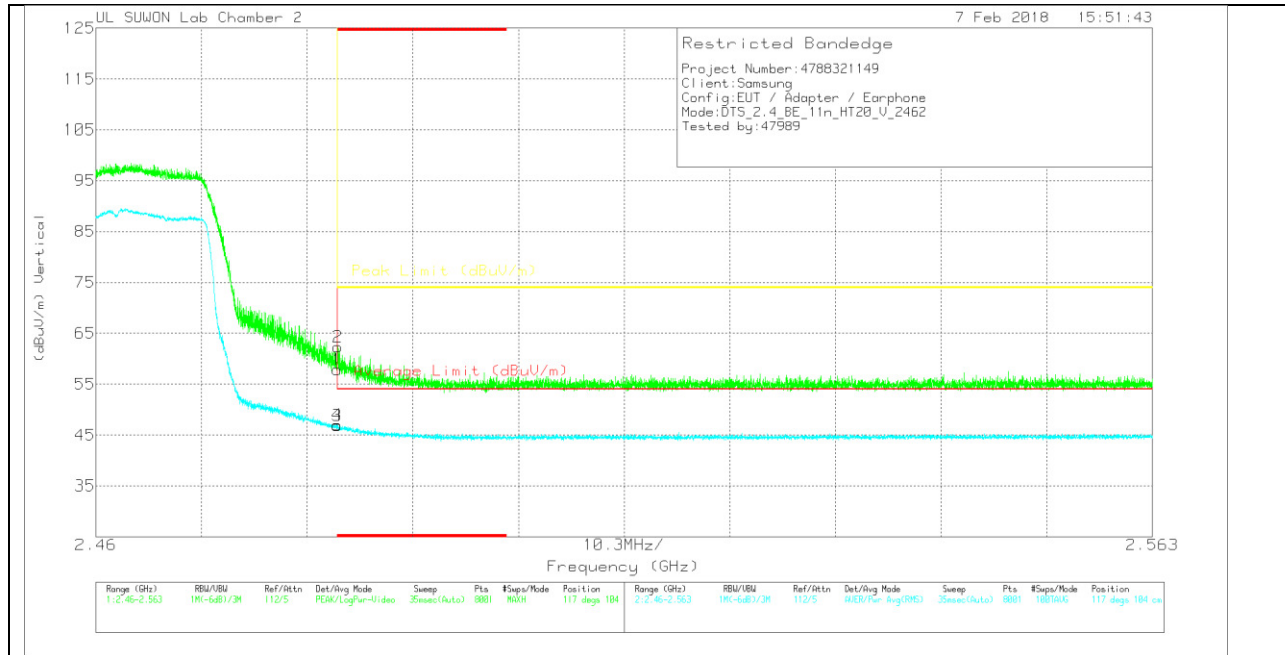
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	50.67	Pk		-18	0	64.27	-	-	74	-9.73	134	151	H
2	* 2.484	56.43	Pk		-18	0	70.03	-	-	74	-3.97	134	151	H
3	* 2.484	36.41	RMS		-18	.33	50.34	54	-3.66	-	-	134	151	H
4	* 2.484	37.03	RMS		-18	.33	50.96	54	-3.04	-	-	134	151	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	170531_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	44.27	Pk	31.6	-18	0	57.87	-	-	74	-16.13	117	104	V
2	* 2.484	48.7	Pk	31.6	-18	0	62.3	-	-	74	-11.7	117	104	V
3	* 2.484	32.93	RMS	31.6	-18	.33	46.86	54	-7.14	-	-	117	104	V
4	* 2.484	33.08	RMS	31.6	-18	.33	47.01	54	-6.99	-	-	117	104	V

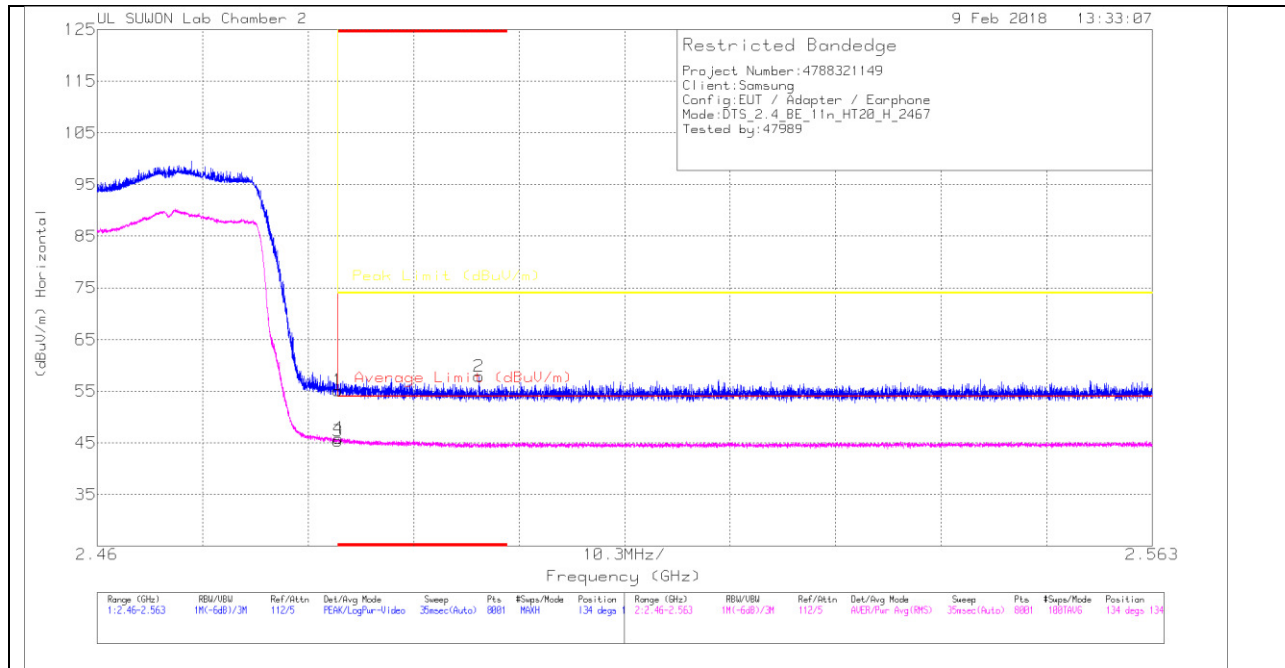
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

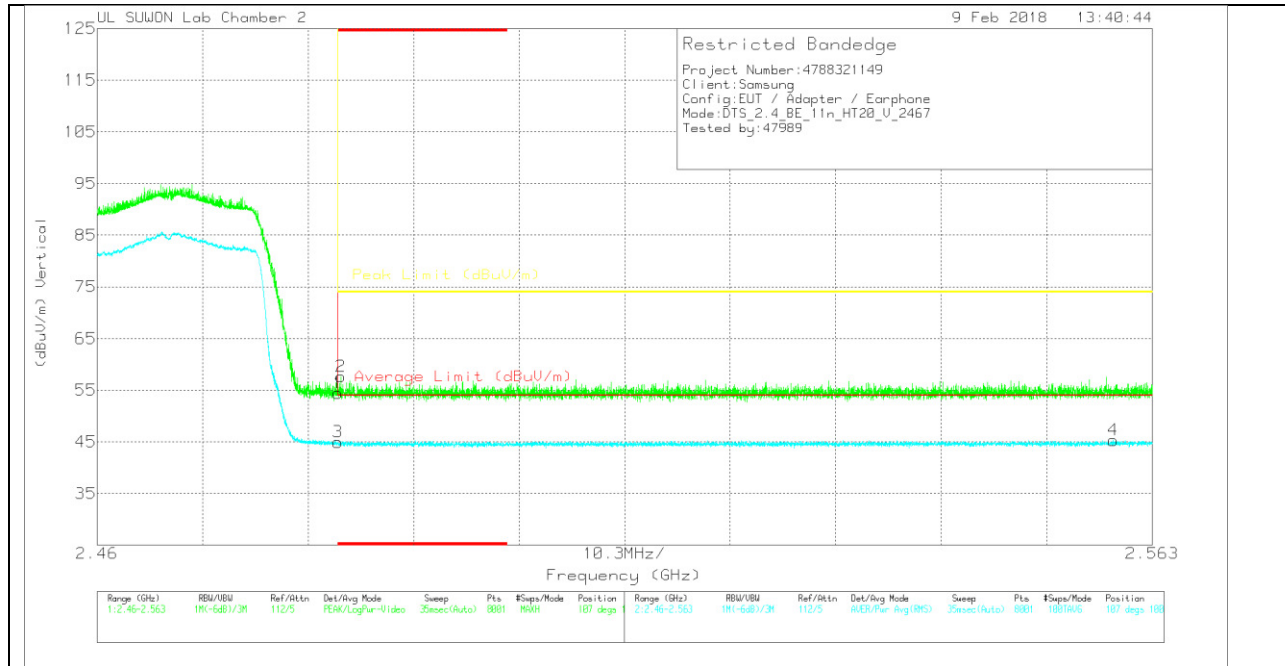
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.57	PK	31.6	-18	0	55.17	-	-	74	-18.83	134	134	H
2	* 2.497	44.32	PK	31.6	-18	0	57.92	-	-	74	-16.08	134	134	H
3	* 2.484	31.41	RMS	31.6	-18	.33	45.34	54	-8.66	-	-	134	134	H
4	* 2.484	31.96	RMS	31.6	-18	.33	45.89	54	-8.11	-	-	134	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

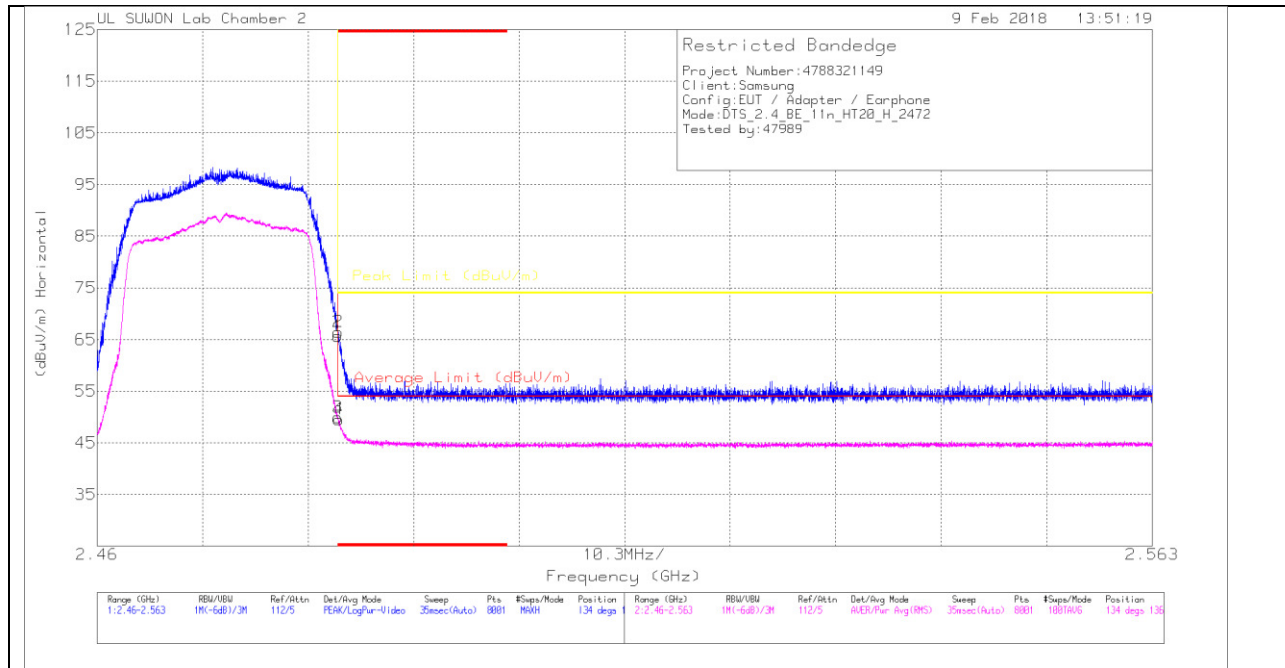
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	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	40.86	Pk		31.6	-18	54.46	-	-	74	-19.54	107	100	V
2	* 2.484	44.05	Pk		31.6	-18	57.65	-	-	74	-16.35	107	100	V
3	* 2.484	31.03	RMS		31.6	-18	44.96	54	-9.04	-	-	107	100	V
4	2.559	31.29	RMS		31.7	-18	45.32	54	-8.68	-	-	107	100	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

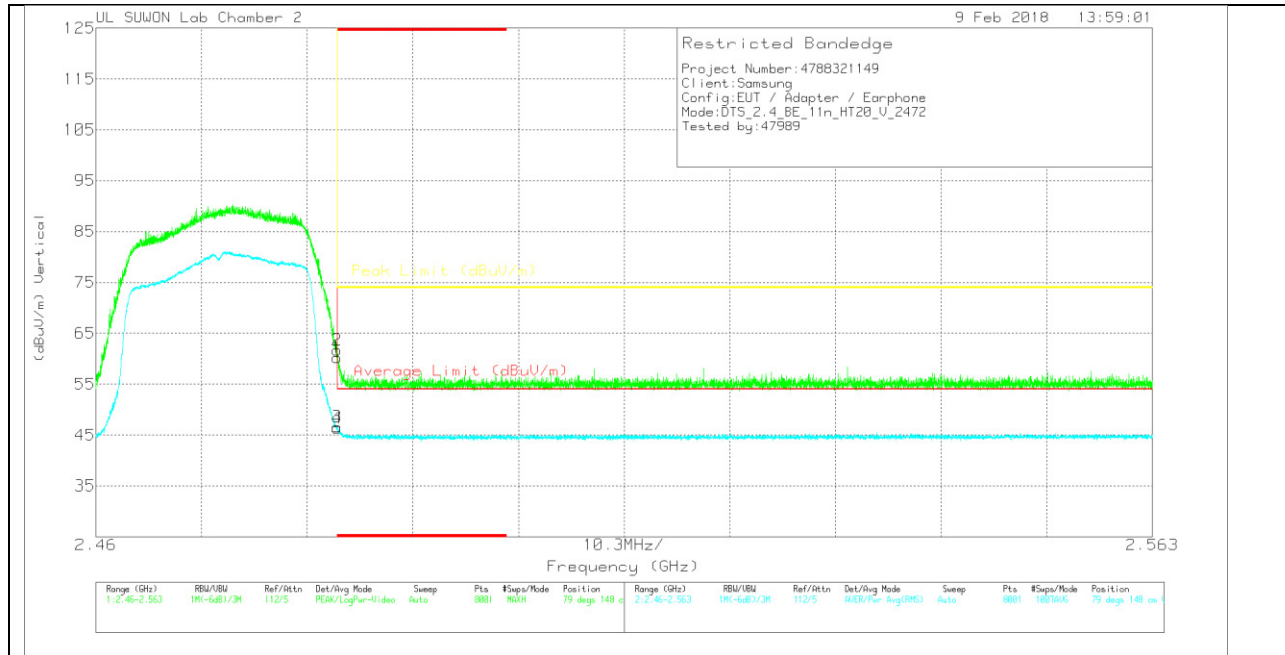
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.06	PK	31.6	-18	0	65.66	-	-	74	-8.34	134	136	H
2	* 2.484	52.89	PK	31.6	-18	0	66.49	-	-	74	-7.51	134	136	H
3	* 2.484	36.01	RMS	31.6	-18	.33	49.94	54	-4.06	-	-	134	136	H
4	* 2.484	35.64	RMS	31.6	-18	.33	49.57	54	-4.43	-	-	134	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	170531_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	46.59	Pk		-18	0	60.19	-	-	74	-13.81	79	148	V
2	* 2.484	48.16	Pk		-18	0	61.76	-	-	74	-12.24	79	148	V
3	* 2.484	32.67	RMS		-18	.33	46.6	54	-7.4	-	-	79	148	V
4	* 2.484	32.43	RMS		-18	.33	46.36	54	-7.64	-	-	79	148	V

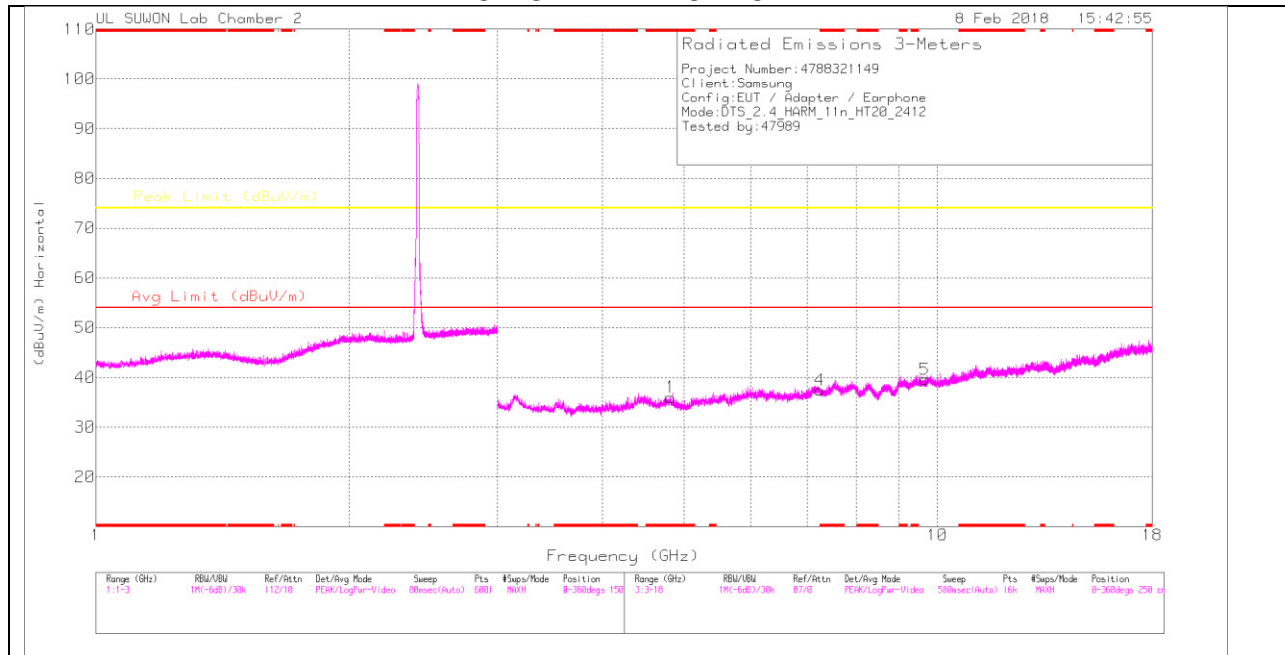
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

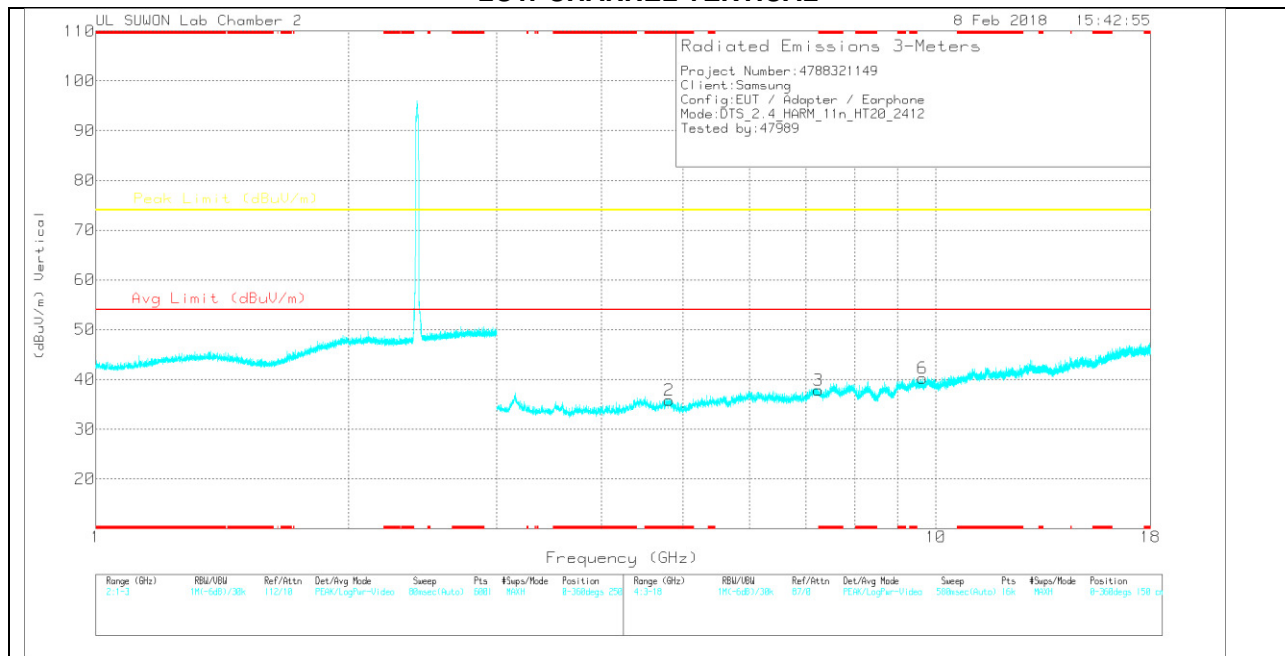
RMS - RMS detection

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

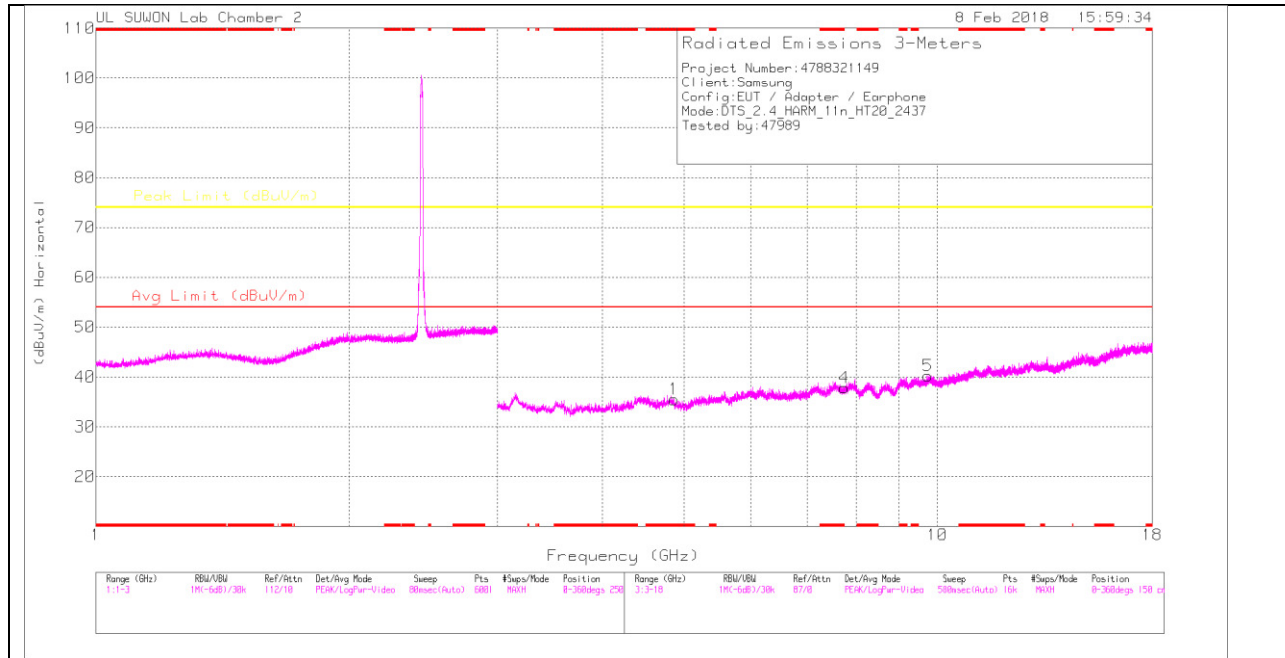
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00368724]	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	26.5	PK		33.8	-24.3	0	36	-	-	74	-38	0-360	150	H
4	7.245	23.55	PK		35.9	-22	0	37.45	-	-	74	-36.55	0-360	150	H
5	9.651	21.11	PK		36.8	-18.3	0	39.61	-	-	74	-34.39	0-360	250	H
2	* 4.814	26.36	PK		33.8	-24.3	0	35.86	-	-	74	-38.14	0-360	150	V
3	7.248	23.9	PK		35.9	-22	0	37.8	-	-	74	-36.2	0-360	150	V
6	9.639	21.68	PK		36.8	-18.3	0	40.18	-	-	74	-33.82	0-360	150	V

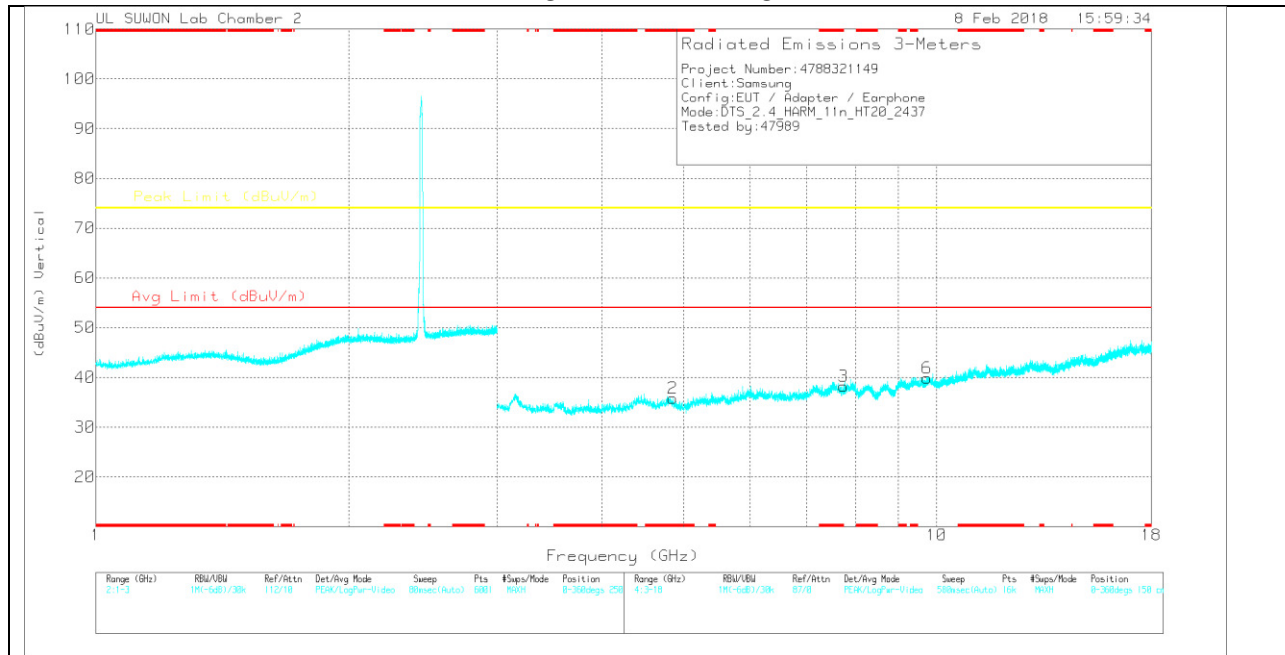
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

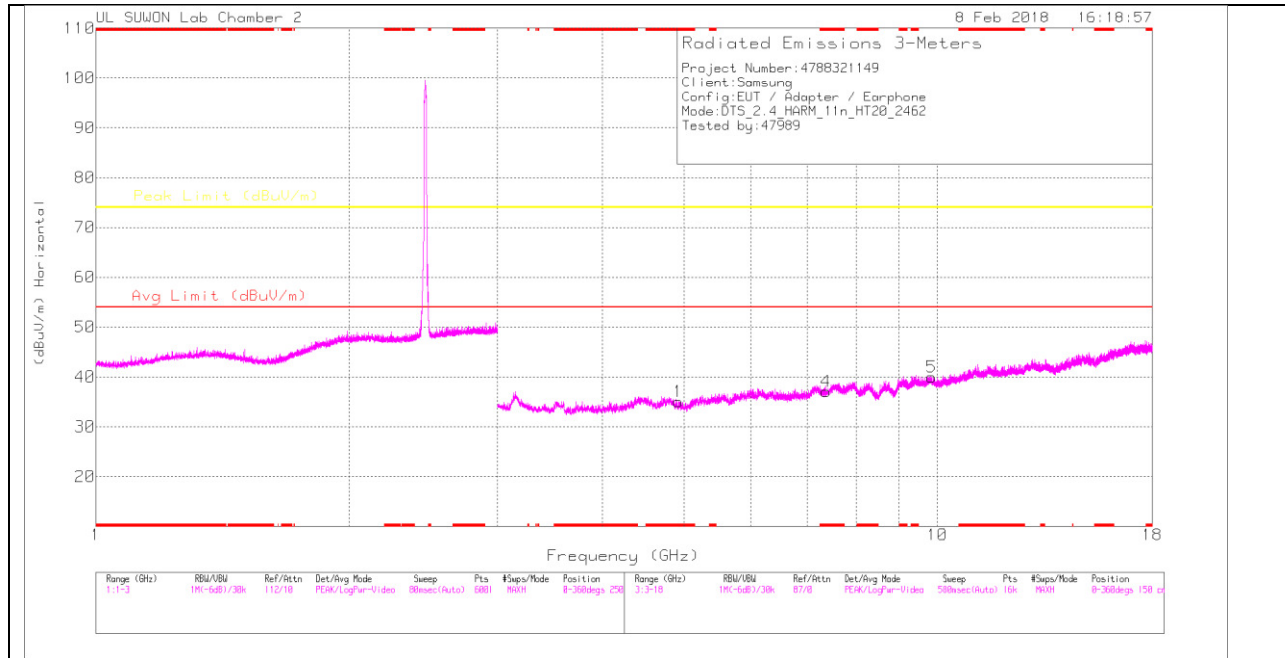
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_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	* 4.86	26.1	PK		33.8	-24.4	0	35.5	-	-	74	-38.5	0-360	150	H
4	* 7.748	22.68	PK		35.8	-20.7	0	37.78	-	-	74	-36.22	0-360	250	H
5	9.746	21.41	PK		36.9	-18.1	0	40.21	-	-	74	-33.79	0-360	150	H
2	* 4.858	26.39	PK		33.8	-24.4	0	35.79	-	-	74	-38.21	0-360	150	V
3	* 7.743	23.24	PK		35.8	-20.8	0	38.24	-	-	74	-35.76	0-360	250	V
6	9.745	21.03	PK		36.9	-18.1	0	39.83	-	-	74	-34.17	0-360	250	V

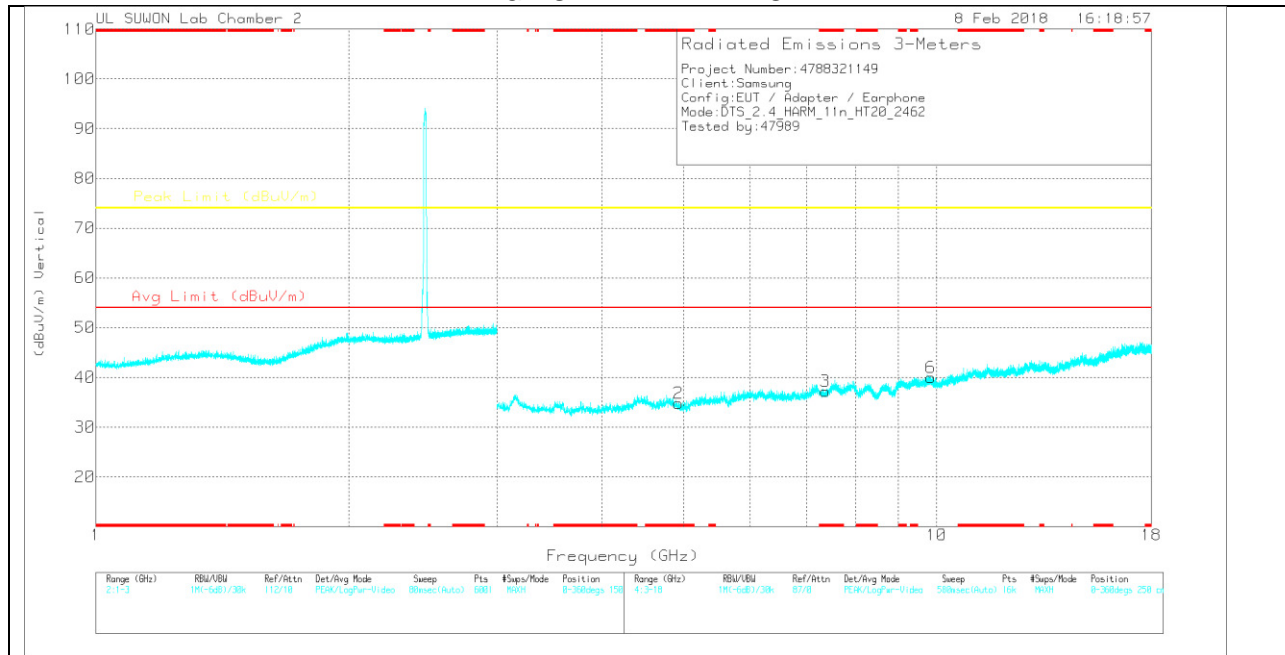
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

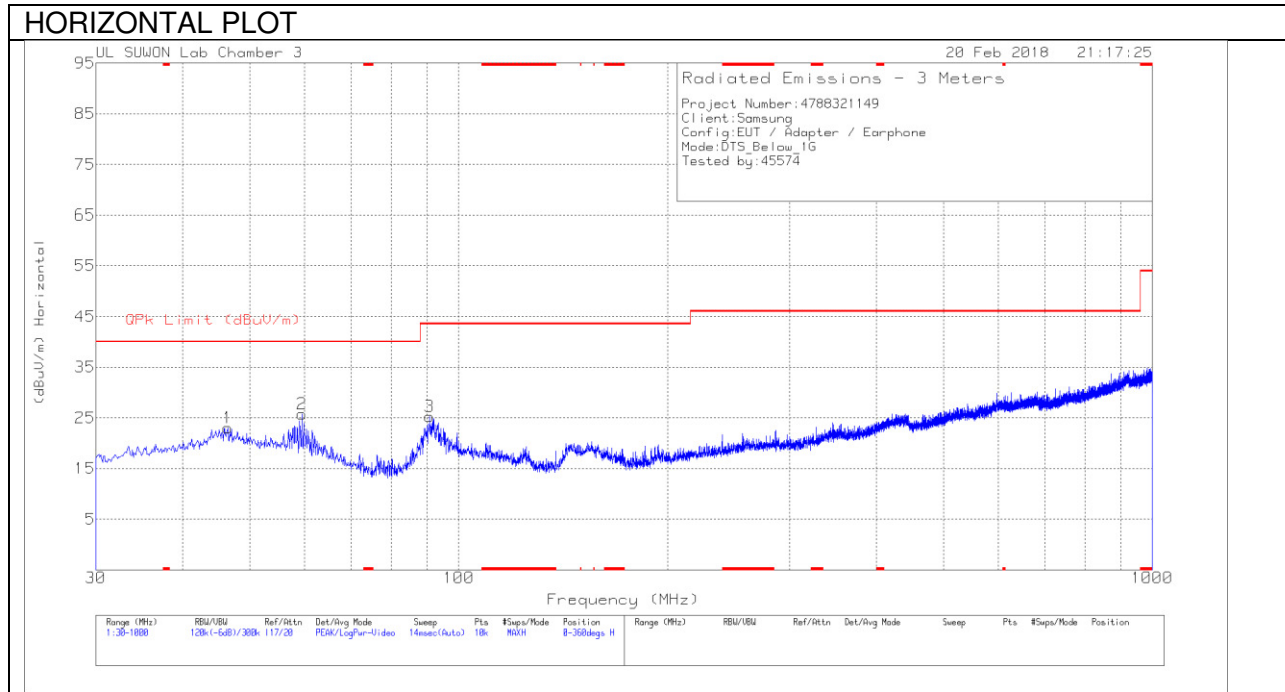
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117(00168724)	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.923	25.9	PK	33.8	-24.7	0	35	-	-	74	-39	0-360	150	H
4	* 7.375	22.68	PK	35.9	-21.5	0	37.08	-	-	74	-36.92	0-360	150	H
5	9.84	20.92	PK	37	-17.9	0	40.02	-	-	74	-33.98	0-360	150	H
2	* 4.933	25.67	PK	33.8	-24.7	0	34.77	-	-	74	-39.23	0-360	250	V
3	* 7.368	22.86	PK	35.9	-21.6	0	37.16	-	-	74	-36.84	0-360	250	V
6	9.835	20.87	PK	37	-17.9	0	39.97	-	-	74	-34.03	0-360	150	V

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

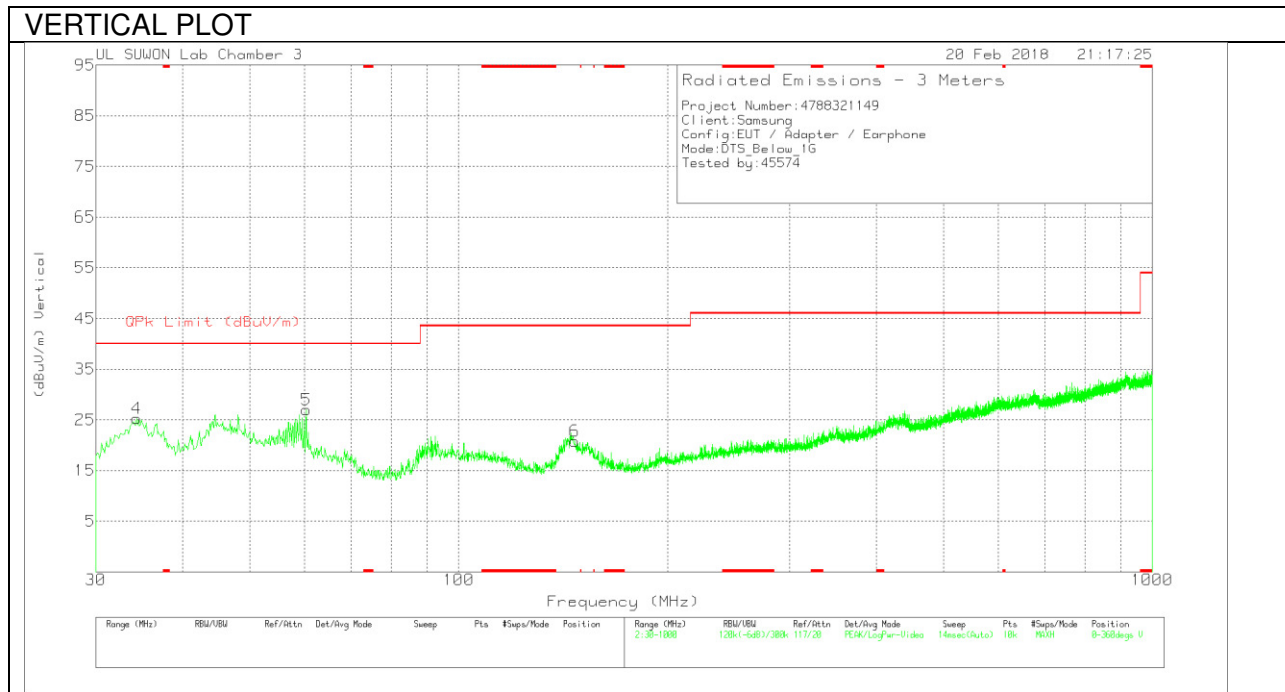
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

10.3. 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	46.4917	34.88	Pk	20.1	-32	22.98	40	-17.02	0-360	400	H
2	59.394	39.01	Pk	18.7	-31.9	25.81	40	-14.19	0-360	400	H
3	90.8253	40.96	Pk	16	-31.7	25.26	43.52	-18.26	0-360	200	H
4	34.3655	40.41	Pk	16.9	-32	25.31	40	-14.69	0-360	100	V
5	60.2671	40.33	Pk	18.5	-31.8	27.03	40	-12.97	0-360	100	V
6	146.9941	38.09	Pk	14	-31.3	20.79	43.52	-22.73	0-360	100	V

Pk - Peak detector

11. 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.

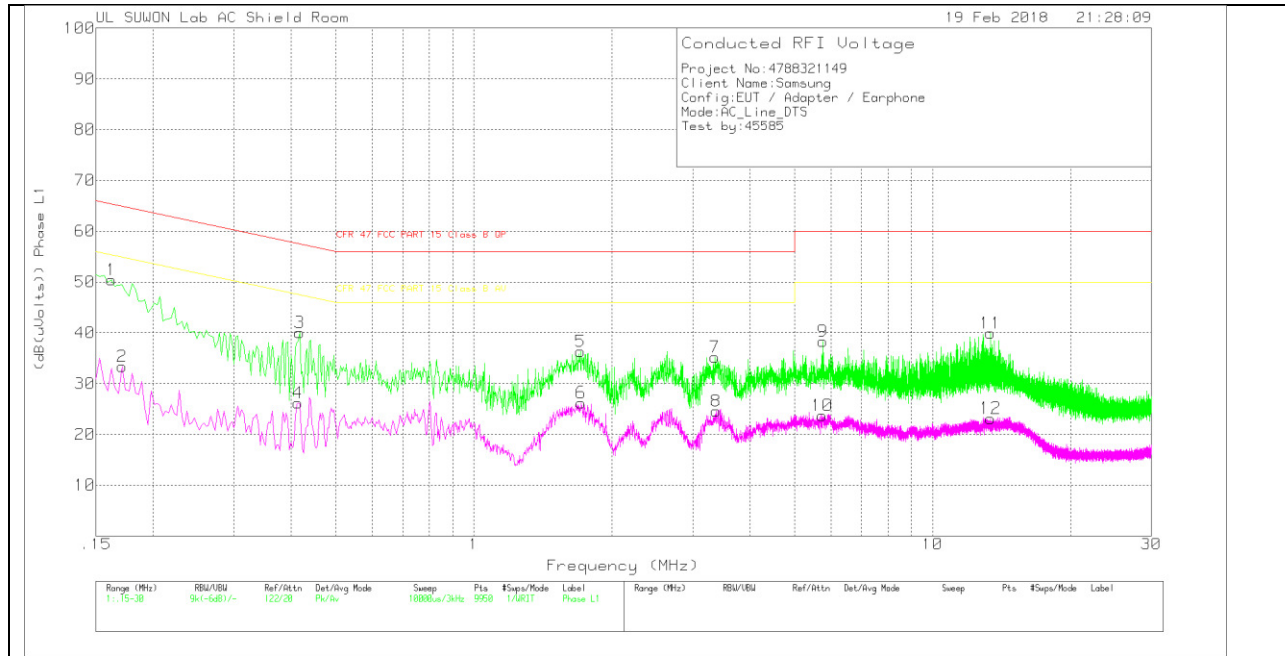
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

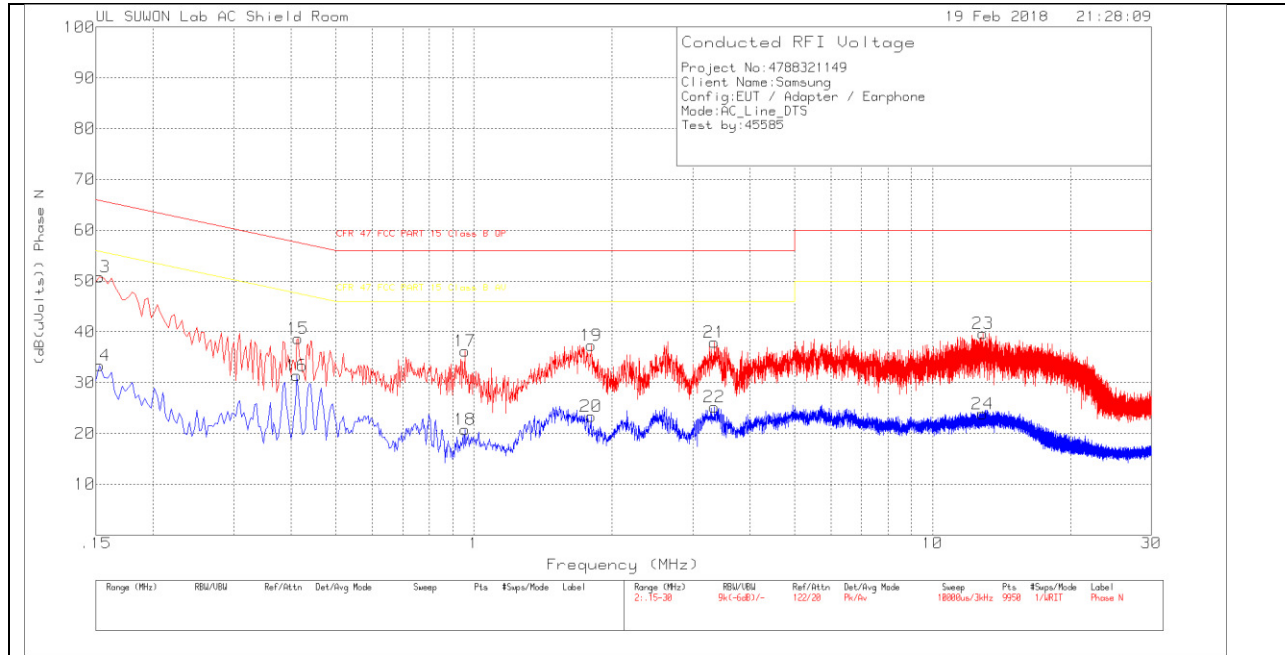
Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	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	.162	40.33	Pk	10	.1	50.43	65.36	-14.93	-	-
2	.171	23.18	Av	10	.2	33.38	-	-	54.91	-21.53
3	.417	30.08	Pk	9.8	.2	40.08	57.51	-17.43	-	-
4	.414	16.21	Av	9.8	.2	26.21	-	-	47.57	-21.36
5	1.707	26.08	Pk	9.9	.3	36.28	56	-19.72	-	-
6	1.716	16.05	Av	9.9	.3	26.25	-	-	46	-19.75
7	3.357	25.11	Pk	9.8	.3	35.21	56	-20.79	-	-
8	3.378	14.43	Av	9.8	.3	24.53	-	-	46	-21.47
9	5.775	28.37	Pk	9.7	.3	38.37	60	-21.63	-	-
10	5.742	13.73	Av	9.7	.3	23.73	-	-	50	-26.27
11	13.383	29.68	Pk	9.8	.4	39.88	60	-20.12	-	-
12	13.365	12.96	Av	9.8	.4	23.16	-	-	50	-26.84

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	.153	40.7	Pk	10	.1	50.8	65.84	-15.04	-	-
14	.153	23.22	Av	10	.1	33.32	-	-	55.84	-22.52
15	.414	28.65	Pk	9.8	.2	38.65	57.57	-18.92	-	-
16	.411	21.41	Av	9.8	.2	31.41	-	-	47.63	-16.22
17	.957	26.15	Pk	9.8	.3	36.25	56	-19.75	-	-
18	.957	10.68	Av	9.8	.3	20.78	-	-	46	-25.22
19	1.803	27.14	Pk	9.9	.3	37.34	56	-18.66	-	-
20	1.8	13.2	Av	9.9	.3	23.4	-	-	46	-22.6
21	3.345	27.85	Pk	9.8	.3	37.95	56	-18.05	-	-
22	3.345	15.08	Av	9.8	.3	25.18	-	-	46	-20.82
23	12.879	29.47	Pk	9.8	.4	39.67	60	-20.33	-	-
24	12.864	13.62	Av	9.8	.4	23.82	-	-	50	-26.18

Pk - Peak detector
 Av - Average detection