

9 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HF(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	* 4.896	28.59	PK	34	-27.7	0	34.89	-	-	74	-39.11	0-360	150	H
3	* 7.344	26.15	PK	36.2	-24.6	0	37.75	-	-	74	-36.25	0-360	250	H
5	9.803	24.63	PK	37.3	-21.8	0	40.13	-	-	74	-33.87	0-360	250	H
2	* 4.911	27.52	PK	34	-27.4	0	34.12	-	-	74	-39.88	0-360	150	V
4	* 7.343	26.19	PK	36.2	-24.7	0	37.69	-	-	74	-36.31	0-360	150	V
6	9.803	24.52	PK	37.3	-21.8	0	40.02	-	-	74	-33.98	0-360	250	V

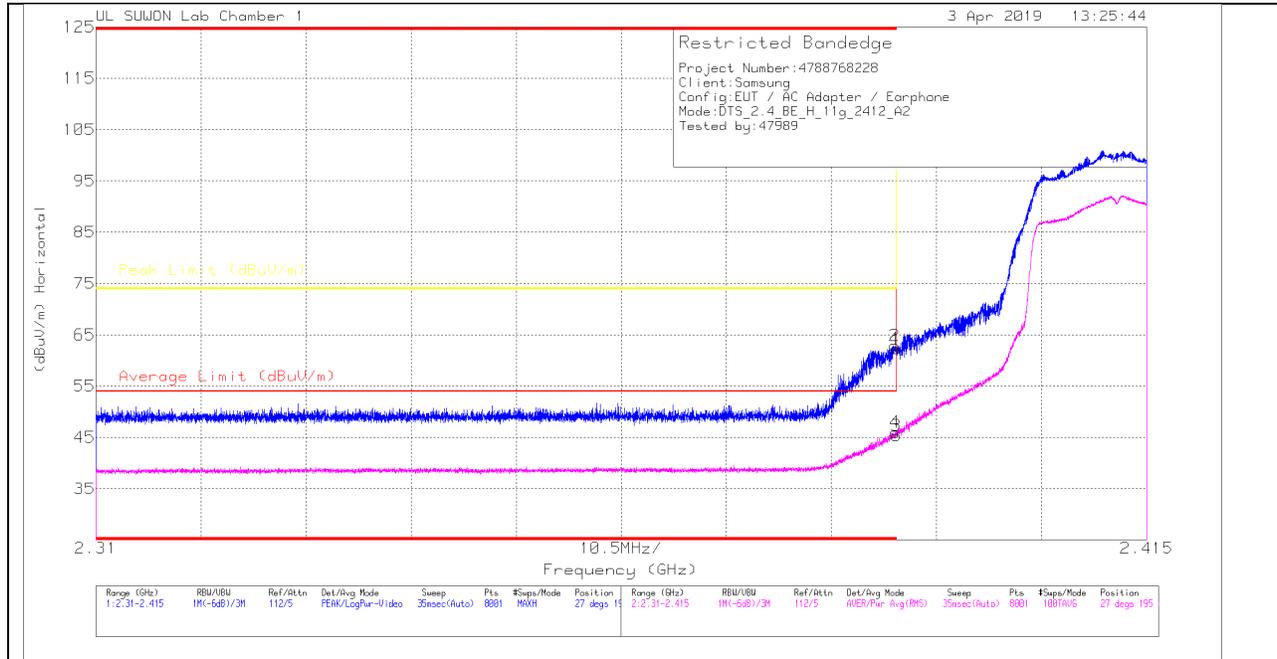
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

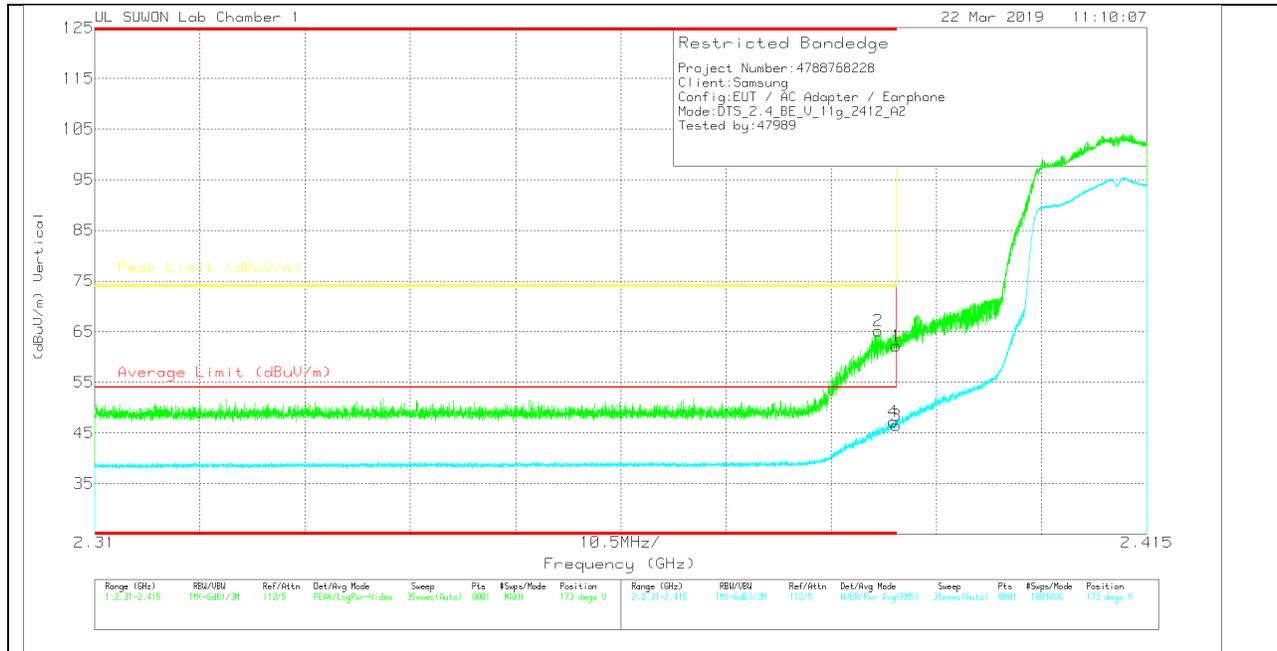
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.11	Pk	31.7	-25.5	0	62.31	-	-	74	-11.69	27	195	H
2	* 2.39	56.69	Pk	31.7	-25.5	0	62.89	-	-	74	-11.11	27	195	H
3	* 2.39	39.16	RMS	31.7	-25.5	0	45.36	54	-8.64	-	-	27	195	H
4	* 2.39	39.8	RMS	31.7	-25.5	0	46	54	-8	-	-	27	195	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.98	Pk	31.7	-25.5	0	62.18	-	-	74	-11.82	173	158	V
2	* 2.388	58.95	Pk	31.7	-25.5	0	65.15	-	-	74	-8.85	173	158	V
3	* 2.39	40.31	RMS	31.7	-25.5	0	46.51	54	-7.49	-	-	173	158	V
4	* 2.39	41.07	RMS	31.7	-25.5	0	47.27	54	-6.73	-	-	173	158	V

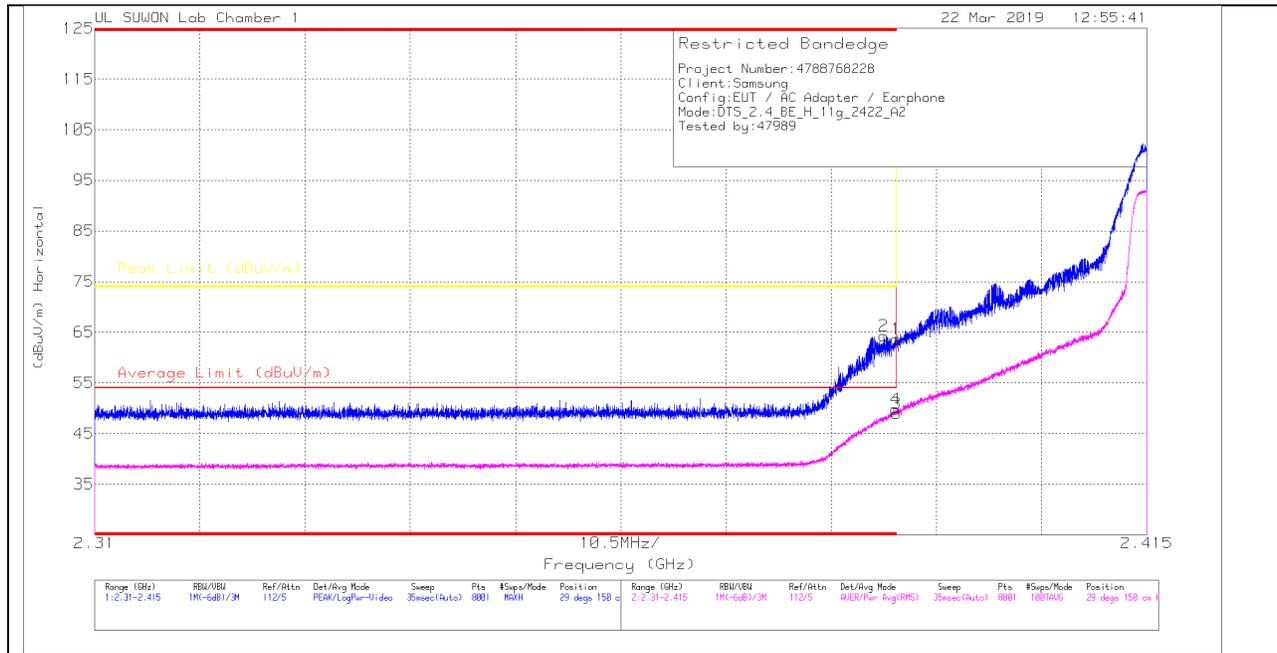
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (3 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

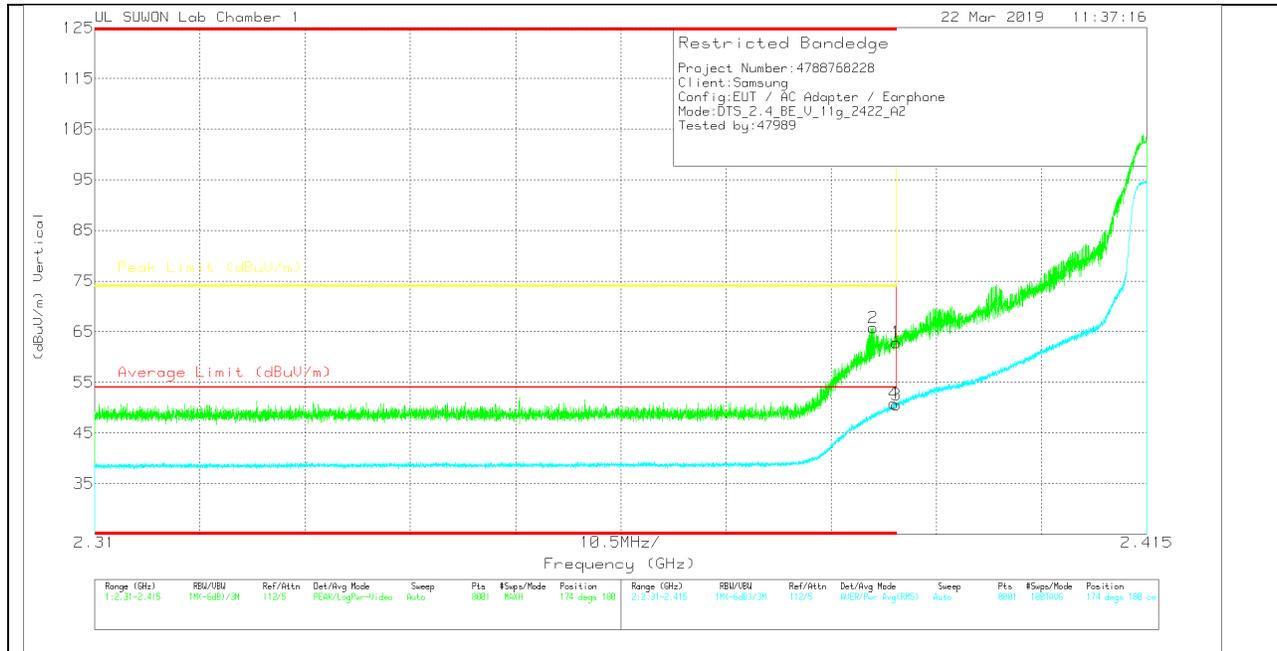
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.48	Pk	31.7	-25.5	0	63.68	-	-	74	-10.32	29	150	H
2	* 2.389	58.13	Pk	31.7	-25.5	0	64.33	-	-	74	-9.67	29	150	H
3	* 2.39	42.72	RMS	31.7	-25.5	0	48.92	54	-5.08	-	-	29	150	H
4	* 2.39	43.62	RMS	31.7	-25.5	0	49.82	54	-4.18	-	-	29	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

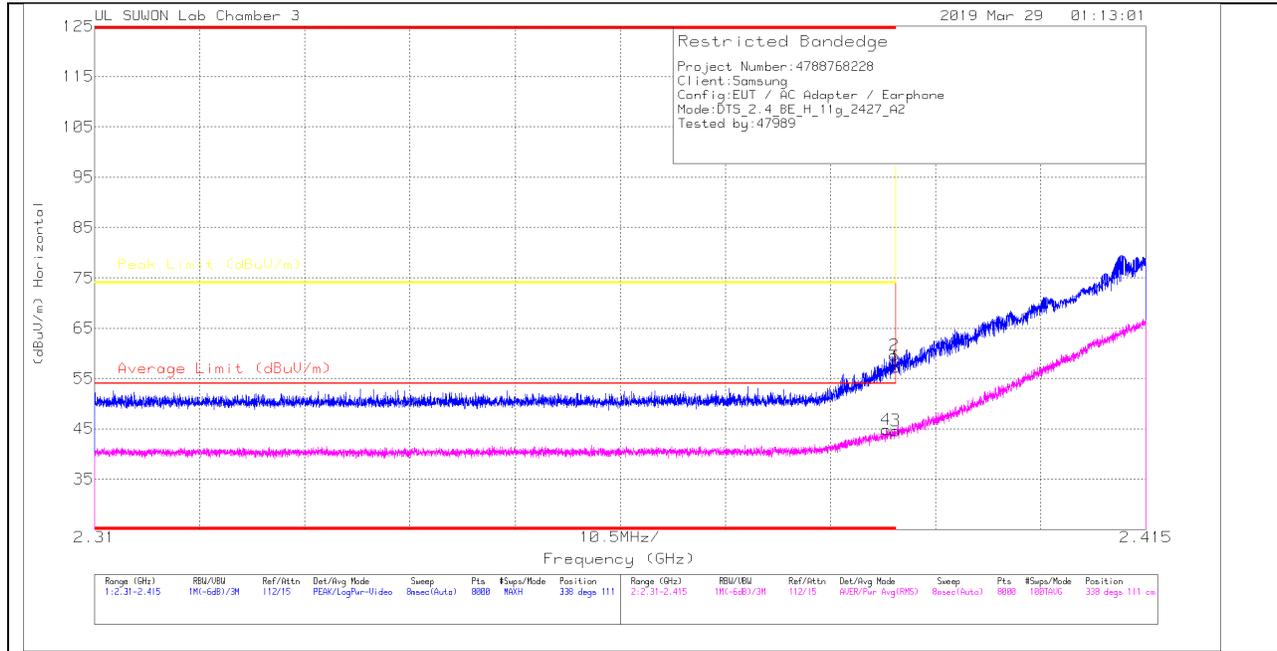
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 2.39	56.68	PK	31.7	-25.5	0	62.88	-	-	74	-11.12	174	180	V
2	* 2.388	59.61	PK	31.7	-25.5	0	65.81	-	-	74	-8.19	174	180	V
3	* 2.39	44.41	RMS	31.7	-25.5	0	50.61	54	-3.39	-	-	174	180	V
4	* 2.39	44.68	RMS	31.7	-25.5	0	50.88	54	-3.12	-	-	174	180	V

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

BANDEDGE (4 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



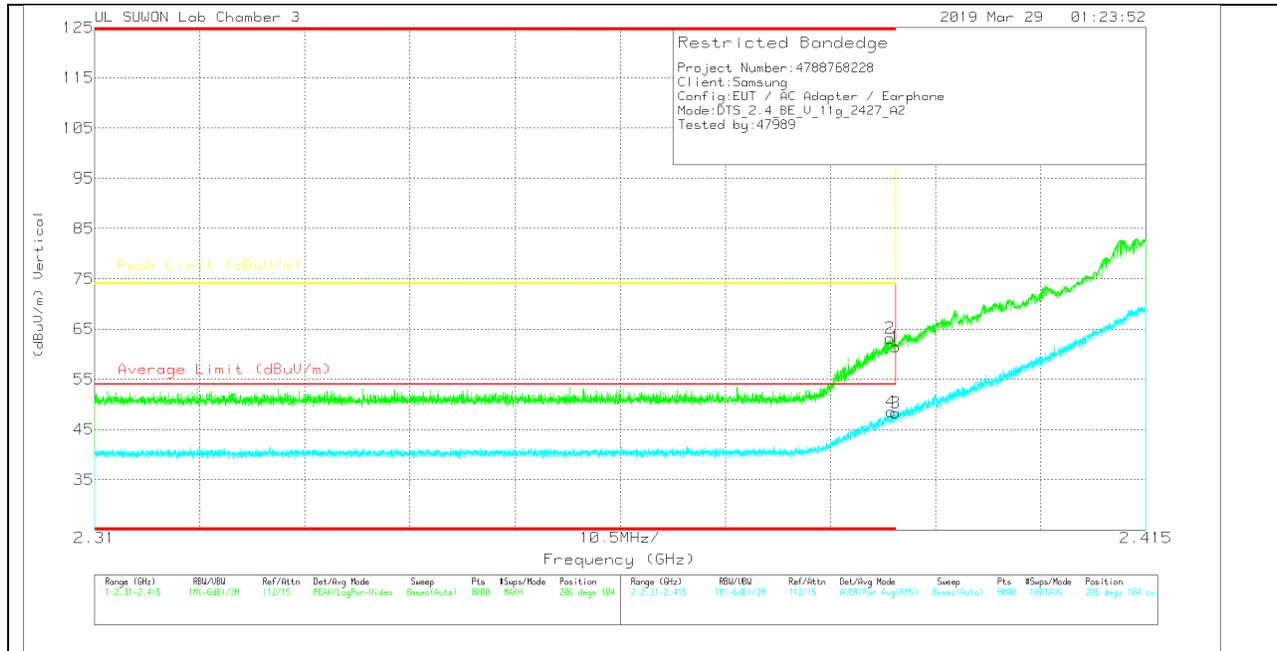
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	48.98	Pk	31.7	-23.4	0	57.28	-	-	74	-16.72	338	111	H
2	* 2.39	51.29	Pk	31.7	-23.4	0	59.59	-	-	74	-14.41	338	111	H
3	* 2.39	36.34	RMS	31.7	-23.4	0	44.64	54	-9.36	-	-	338	111	H
4	* 2.389	36.51	RMS	31.7	-23.4	0	44.81	54	-9.19	-	-	338	111	H

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

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	53.13	Pk	31.7	-23.4	0	61.43	-	-	74	-12.57	206	104	V
2	* 2.389	54.85	Pk	31.7	-23.4	0	63.15	-	-	74	-10.85	206	104	V
3	* 2.39	39.98	RMS	31.7	-23.4	0	48.28	54	-5.72	-	-	206	104	V
4	* 2.39	40.3	RMS	31.7	-23.4	0	48.6	54	-5.4	-	-	206	104	V

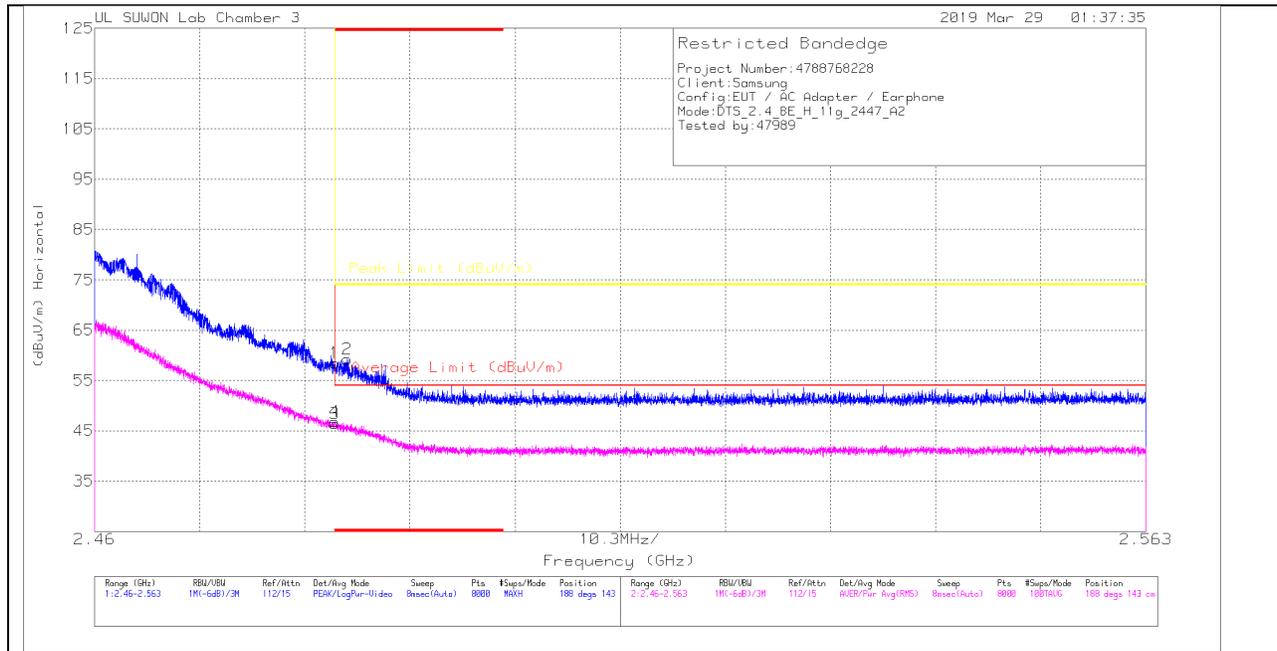
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (8 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



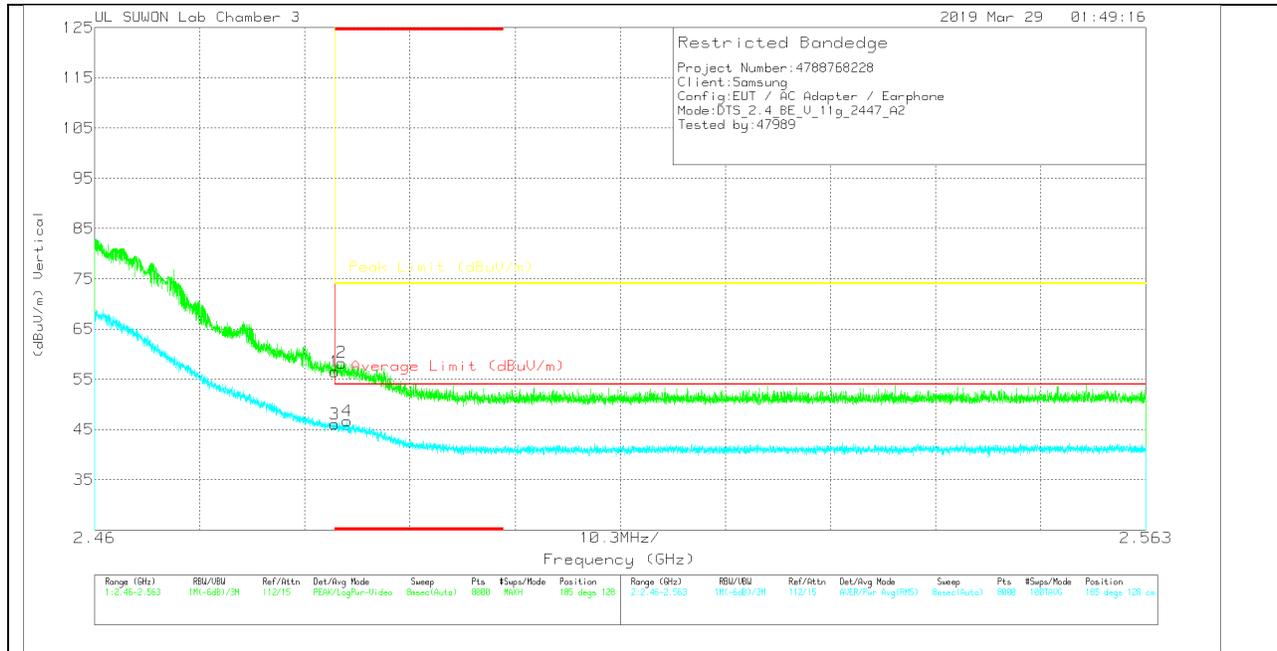
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	49.84	Pk	31.9	-23.2	0	58.54	-	-	74	-15.46	188	143	H
2	* 2.485	50.55	Pk	31.9	-23.2	0	59.25	-	-	74	-14.75	188	143	H
3	* 2.484	37.76	RMS	31.9	-23.2	0	46.46	54	-7.54	-	-	188	143	H
4	* 2.484	38.13	RMS	31.9	-23.2	0	46.83	54	-7.17	-	-	188	143	H

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

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	47.77	Pk	31.9	-23.2	0	56.47	-	-	74	-17.53	185	128	V
2	* 2.484	49.7	Pk	31.9	-23.3	0	58.3	-	-	74	-15.7	185	128	V
3	* 2.484	37.33	RMS	31.9	-23.2	0	46.03	54	-7.97	-	-	185	128	V
4	* 2.485	37.98	RMS	31.9	-23.2	0	46.68	54	-7.32	-	-	185	128	V

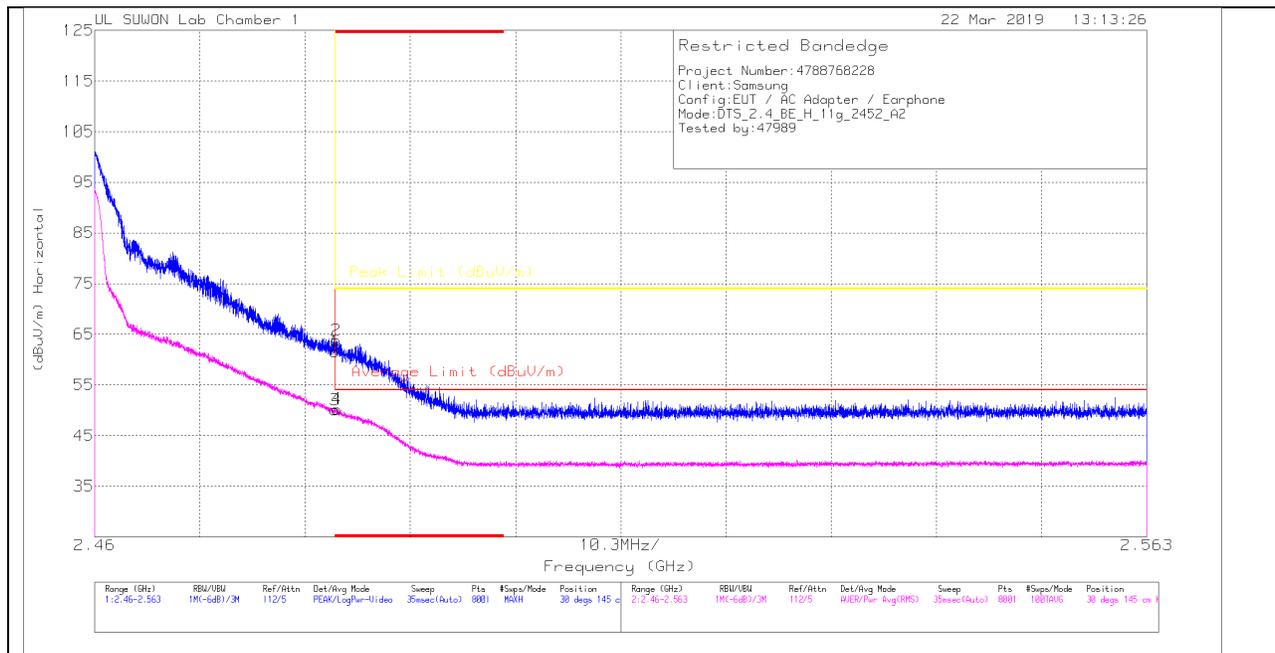
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (9 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

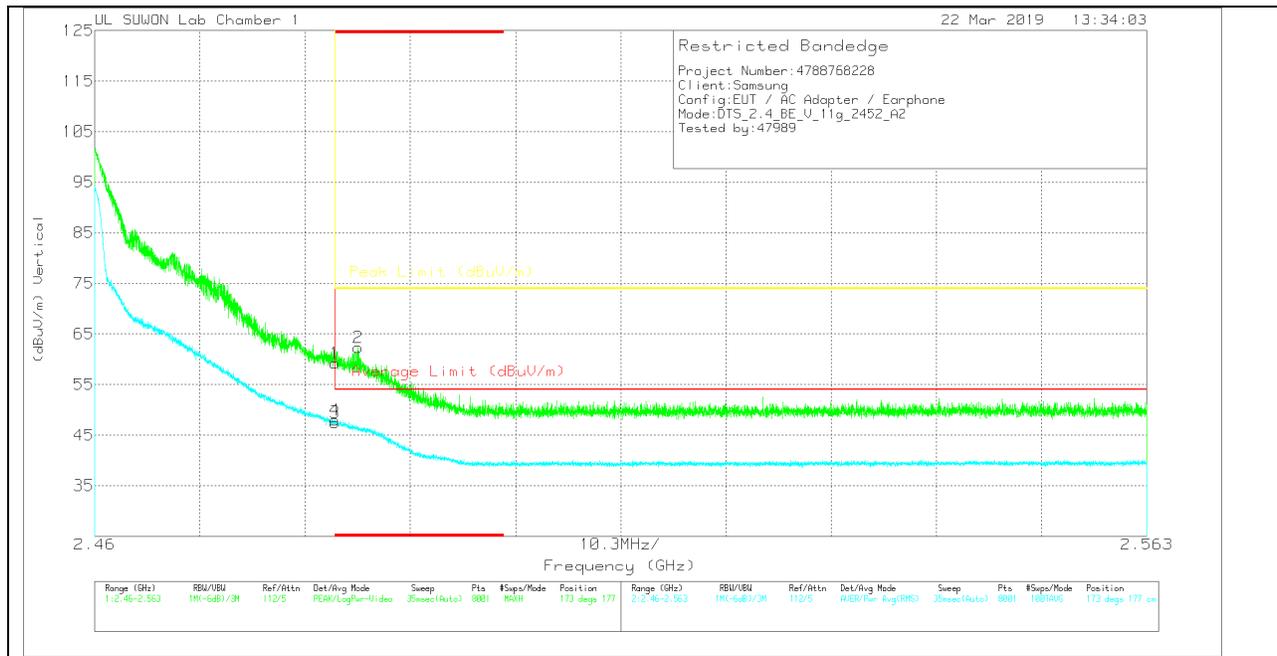
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.98	Pk	31.9	-25.3	0	61.58	-	-	74	-12.42	30	145	H
2	* 2.484	57.21	Pk	31.9	-25.3	0	63.81	-	-	74	-10.19	30	145	H
3	* 2.484	43.47	RMS	31.9	-25.3	0	50.07	54	-3.93	-	-	30	145	H
4	* 2.484	43.66	RMS	31.9	-25.3	0	50.26	54	-3.74	-	-	30	145	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.67	Pk	31.9	-25.3	0	59.27	-	-	74	-14.73	173	177	V
2	* 2.486	55.59	Pk	31.9	-25.2	0	62.29	-	-	74	-11.71	173	177	V
3	* 2.484	40.94	RMS	31.9	-25.3	0	47.54	54	-6.46	-	-	173	177	V
4	* 2.484	41.38	RMS	31.9	-25.3	0	47.98	54	-6.02	-	-	173	177	V

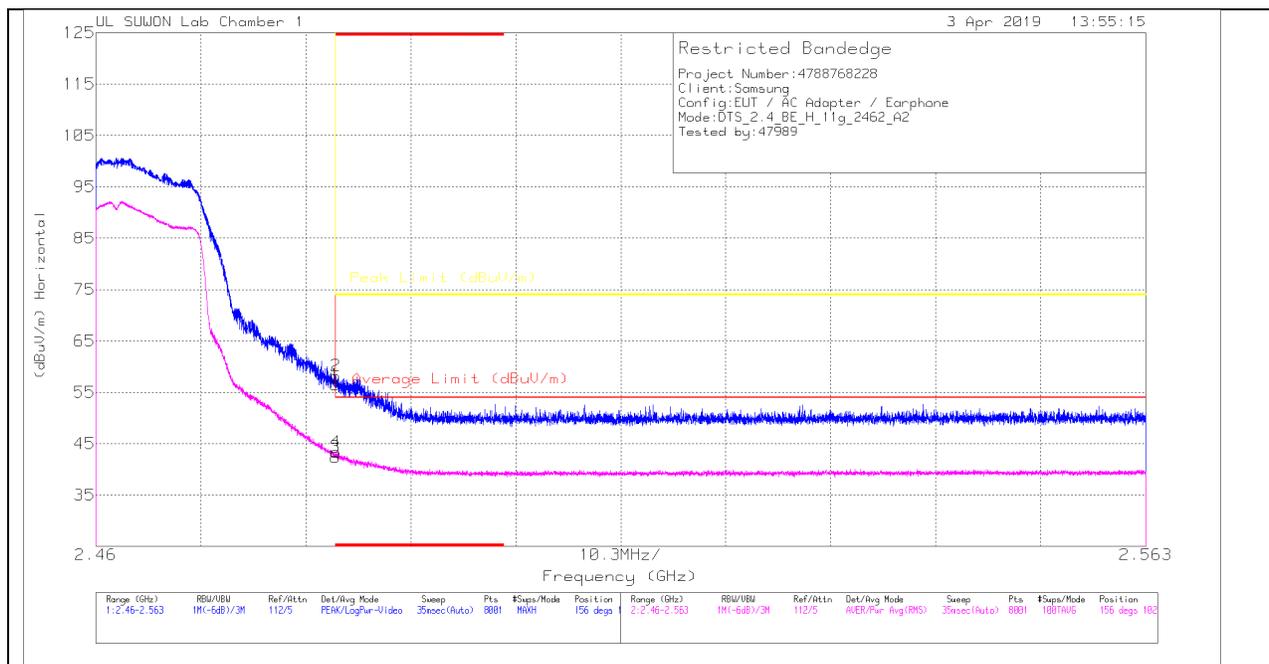
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

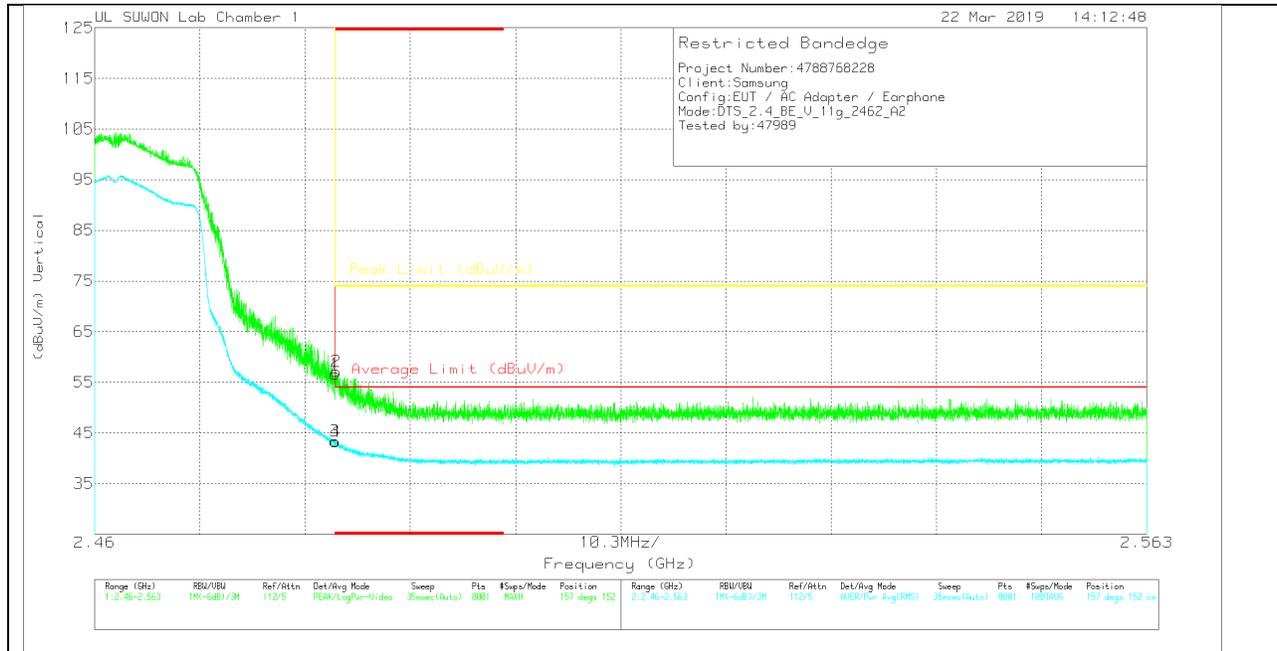
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.92	Pk	31.9	-25.3	0	56.52	-	-	74	-17.48	156	102	H
2	* 2.484	51.61	Pk	31.9	-25.3	0	58.21	-	-	74	-15.79	156	102	H
3	* 2.484	35.78	RMS	31.9	-25.3	0	42.38	54	-11.62	-	-	156	102	H
4	* 2.484	36.78	RMS	31.9	-25.3	0	43.38	54	-10.62	-	-	156	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

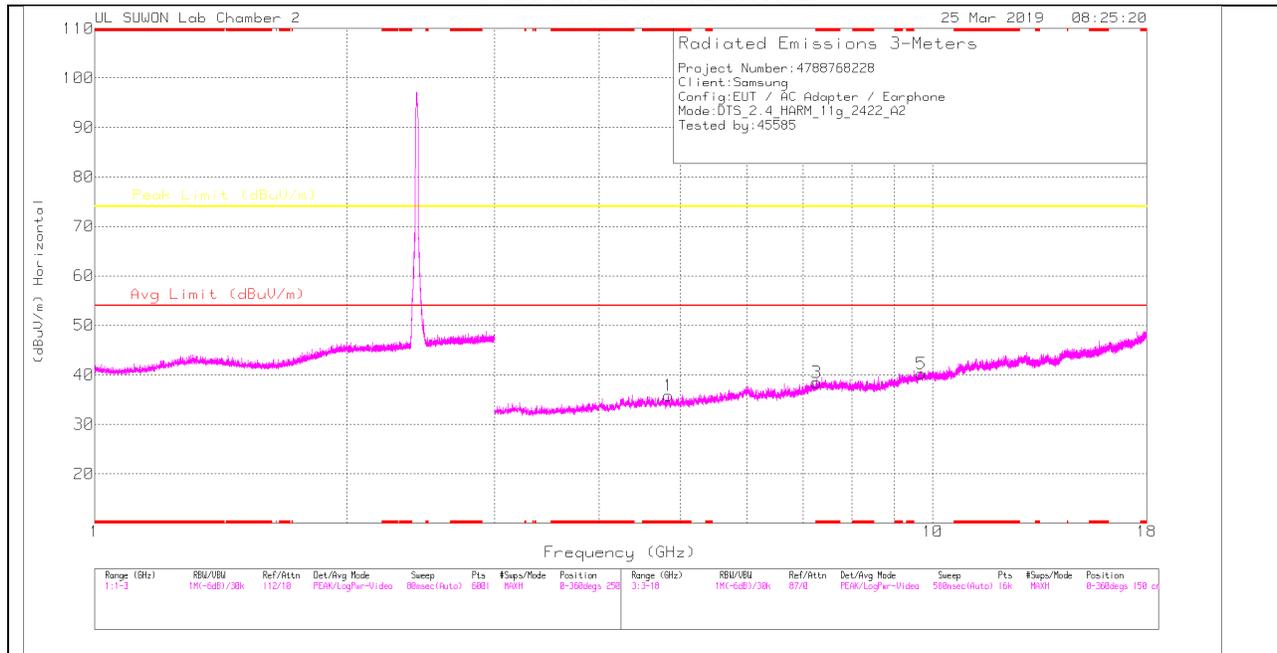
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.02	Pk	31.9	-25.3	0	56.62	-	-	74	-17.38	157	152	V
2	* 2.484	50.54	Pk	31.9	-25.3	0	57.14	-	-	74	-16.86	157	152	V
3	* 2.484	36.84	RMS	31.9	-25.3	0	43.44	54	-10.56	-	-	157	152	V
4	* 2.484	36.66	RMS	31.9	-25.3	0	43.26	54	-10.74	-	-	157	152	V

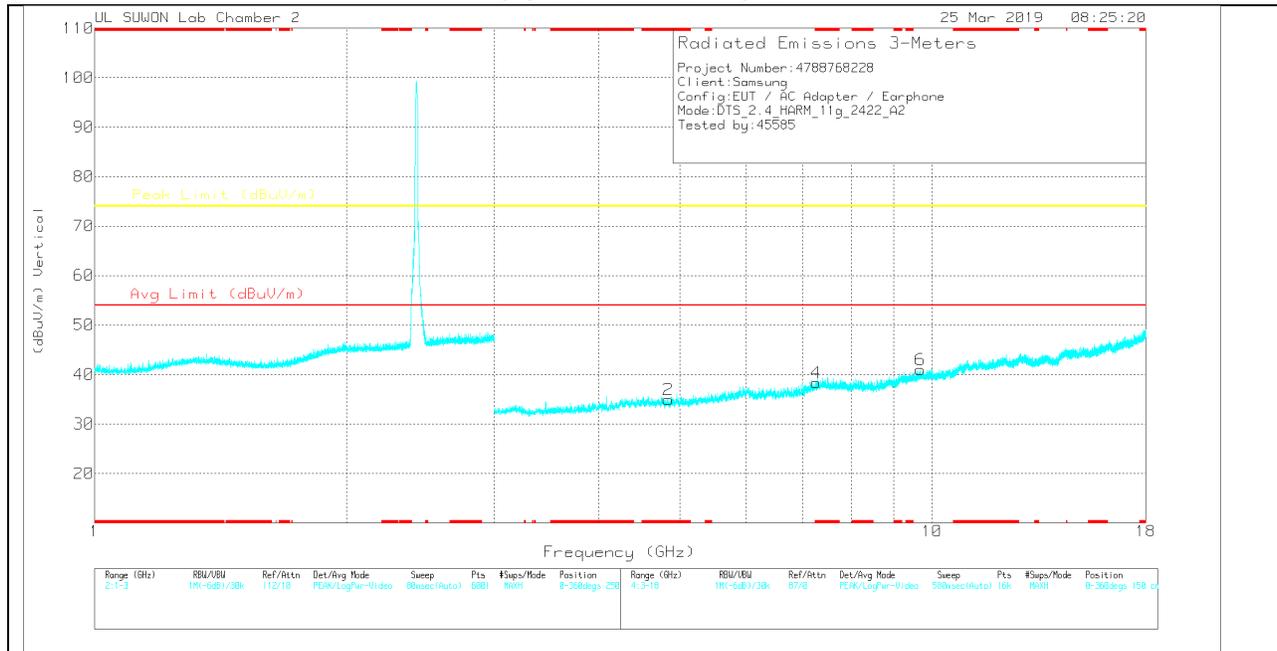
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

3 CHANNEL HORIZONTAL



3 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.

3 CHANNEL DATA

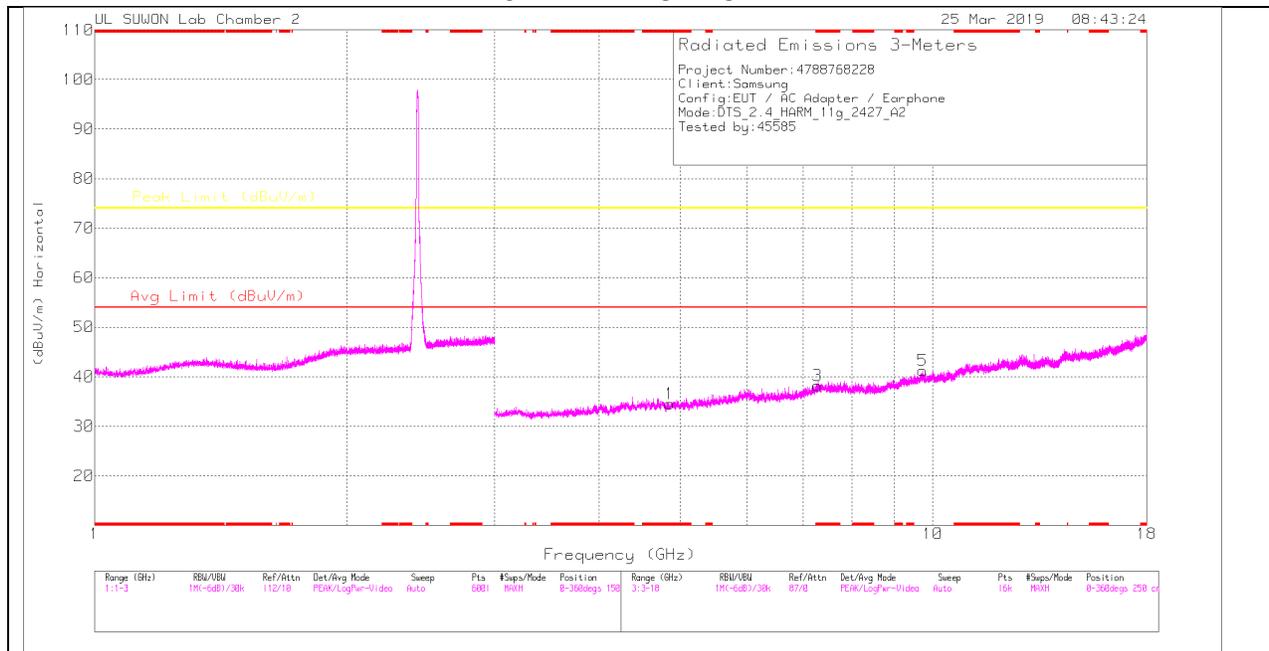
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.837	30.06	PK	34	-28.2	0	35.86	-	-	74	-38.14	0-360	250	H
3	* 7.265	27.69	PK	36.2	-25.4	0	38.49	-	-	74	-35.51	0-360	250	H
5	9.684	24.54	PK	37.1	-21.4	0	40.24	-	-	74	-33.76	0-360	150	H
2	* 4.842	29.18	PK	34	-28.2	0	34.98	-	-	74	-39.02	0-360	250	V
4	* 7.269	27.66	PK	36.2	-25.5	0	38.36	-	-	74	-35.64	0-360	250	V
6	9.682	25.23	PK	37.1	-21.3	0	41.03	-	-	74	-32.97	0-360	150	V

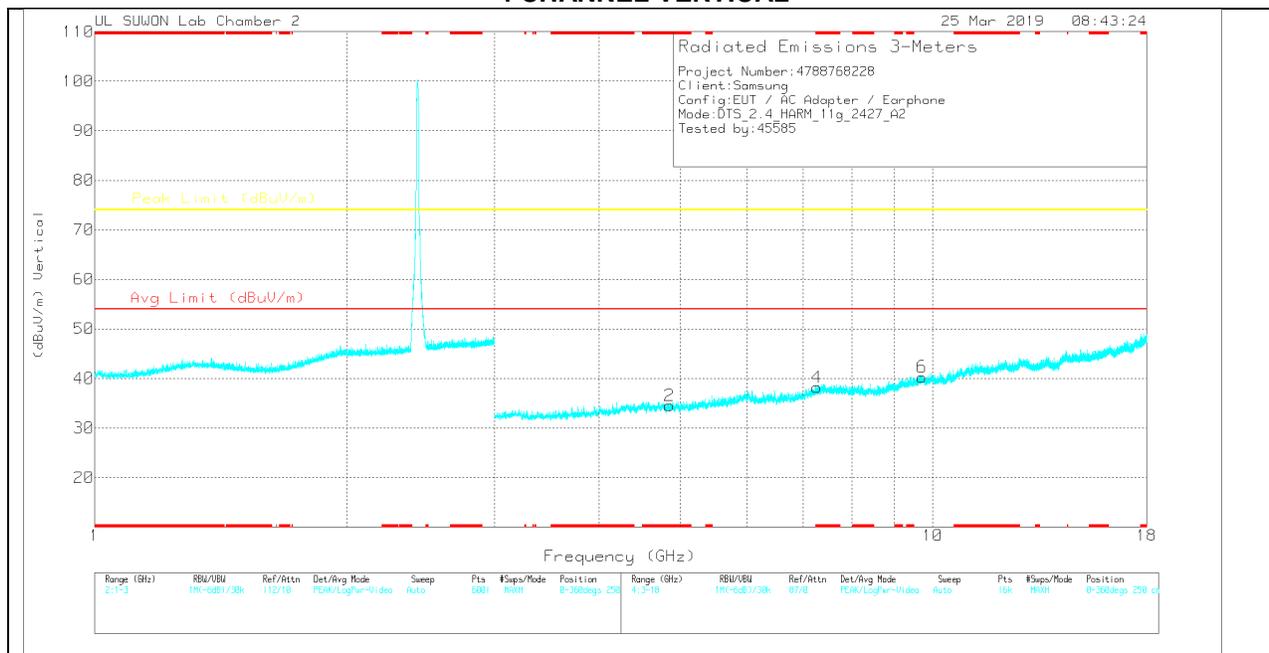
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

4 CHANNEL HORIZONTAL



4 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.

4 CHANNEL DATA

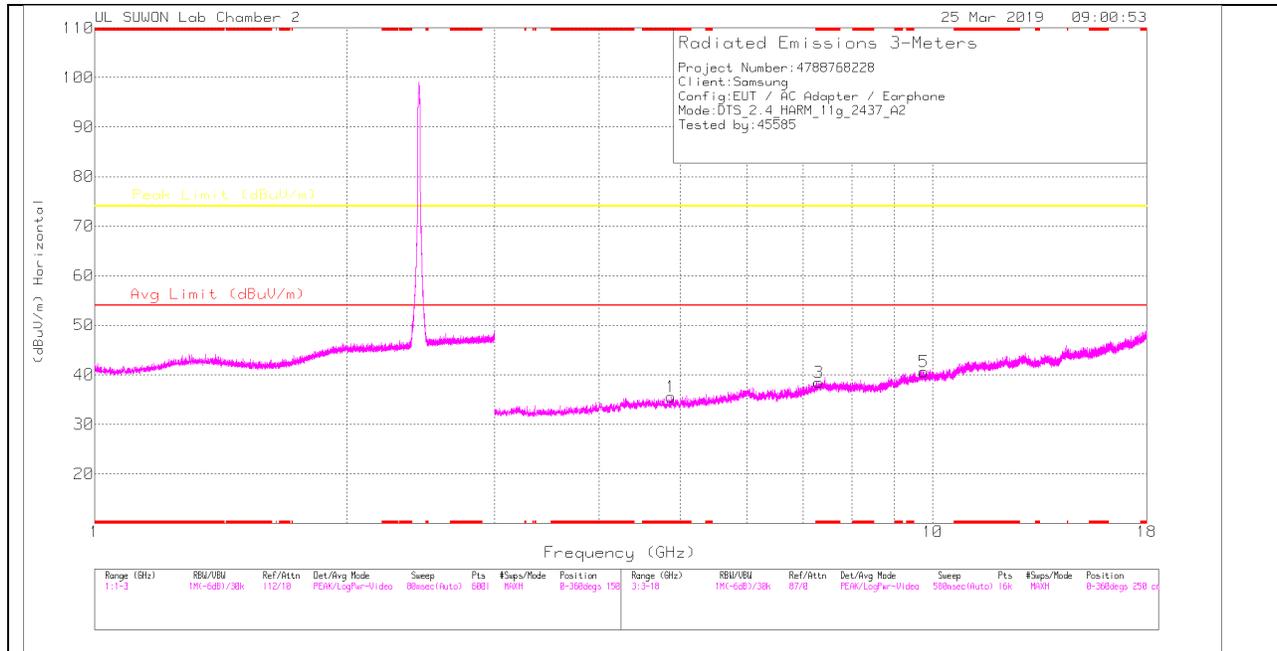
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.852	28.71	PK	34	-28.2	0	34.51	-	-	74	-39.49	0-360	150	H
3	* 7.278	27.34	PK	36.2	-25.3	0	38.24	-	-	74	-35.76	0-360	150	H
5	9.717	25.5	PK	37.1	-21.4	0	41.2	-	-	74	-32.8	0-360	150	H
2	* 4.851	28.72	PK	34	-28.2	0	34.52	-	-	74	-39.48	0-360	150	V
4	* 7.274	27.41	PK	36.2	-25.4	0	38.21	-	-	74	-35.79	0-360	250	V
6	9.706	24.6	PK	37.1	-21.4	0	40.3	-	-	74	-33.7	0-360	150	V

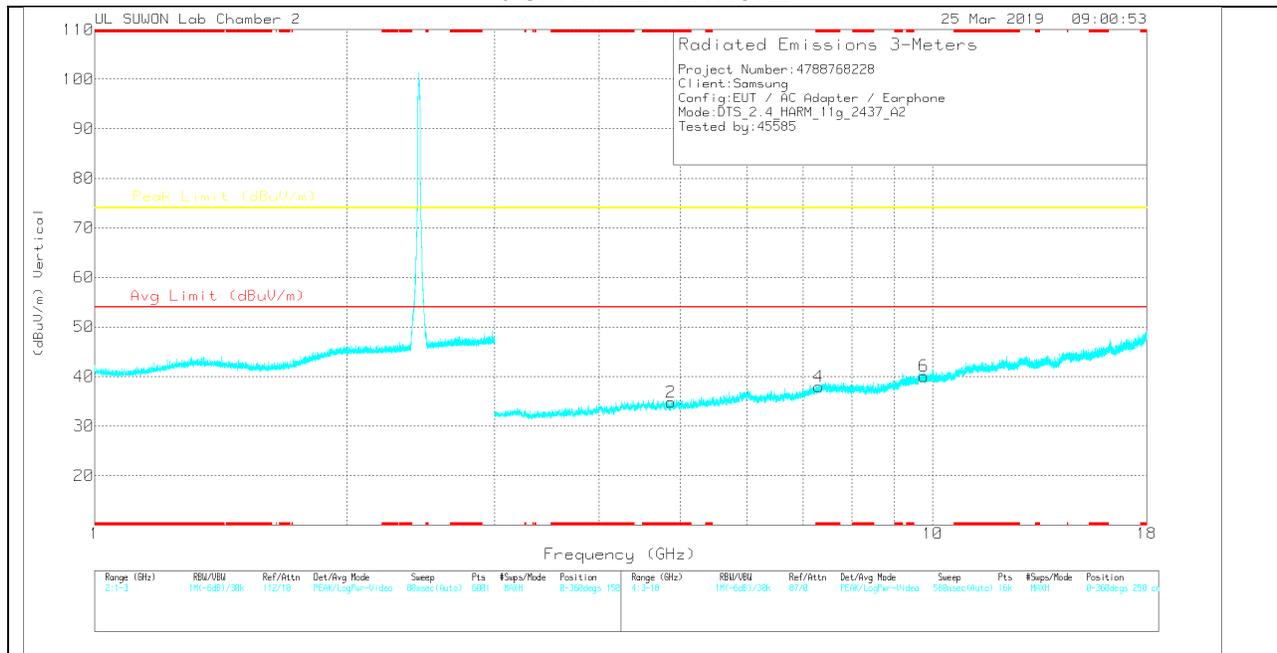
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

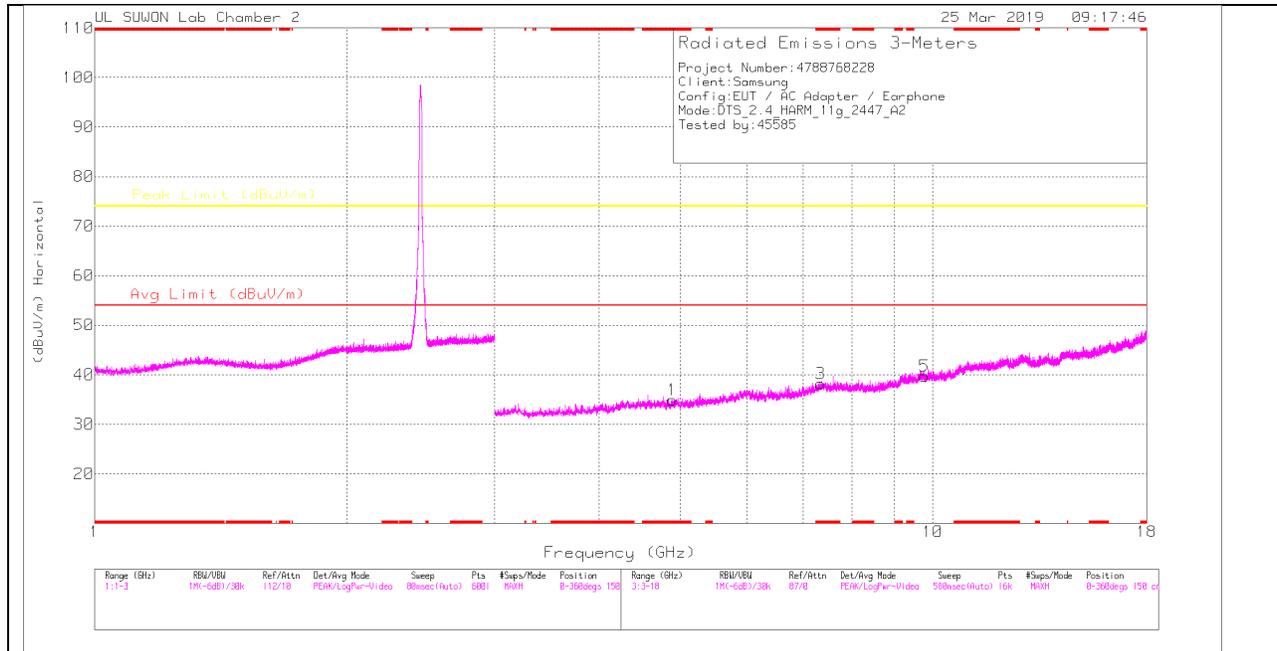
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HF(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	* 4.873	29.51	PK	34	-28	0	35.51	-	-	74	-38.49	0-360	250	H
3	* 7.315	27.23	PK	36.2	-25	0	38.43	-	-	74	-35.57	0-360	250	H
5	9.758	24.97	PK	37.2	-21.5	0	40.67	-	-	74	-33.33	0-360	250	H
2	* 4.874	28.76	PK	34	-28	0	34.76	-	-	74	-39.24	0-360	250	V
4	* 7.313	26.79	PK	36.2	-25	0	37.99	-	-	74	-36.01	0-360	150	V
6	9.753	24.25	PK	37.2	-21.4	0	40.05	-	-	74	-33.95	0-360	250	V

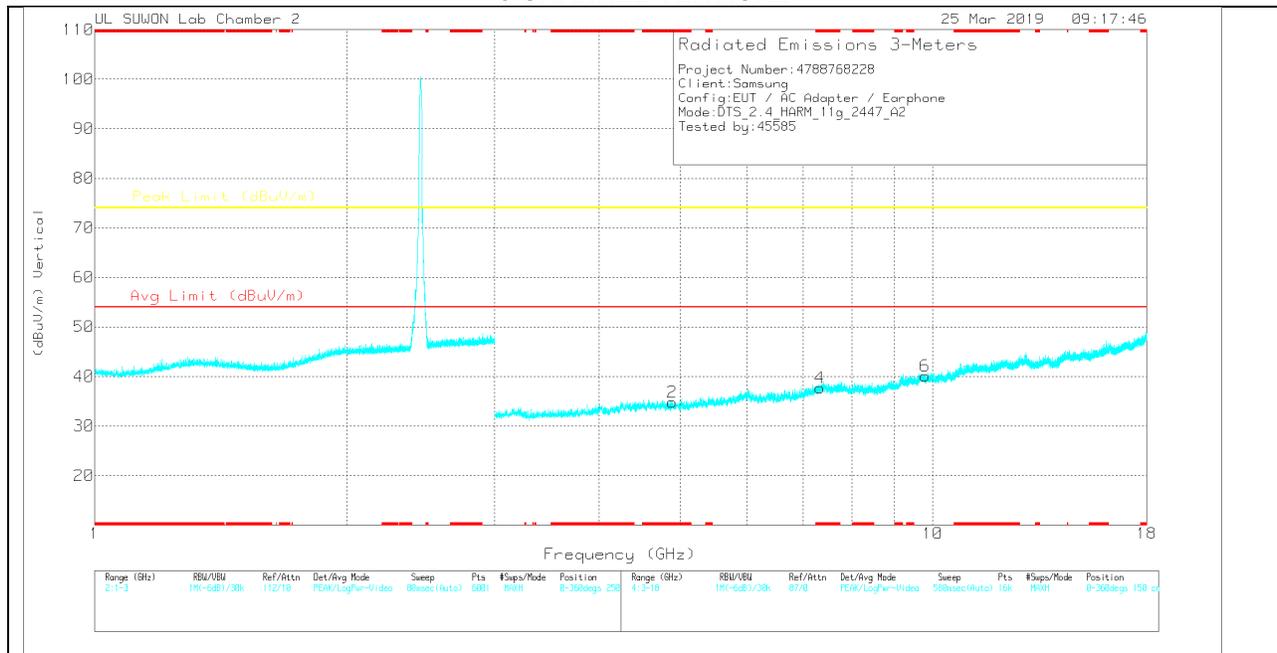
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

8 CHANNEL HORIZONTAL



8 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.

8 CHANNEL DATA

Trace Markers

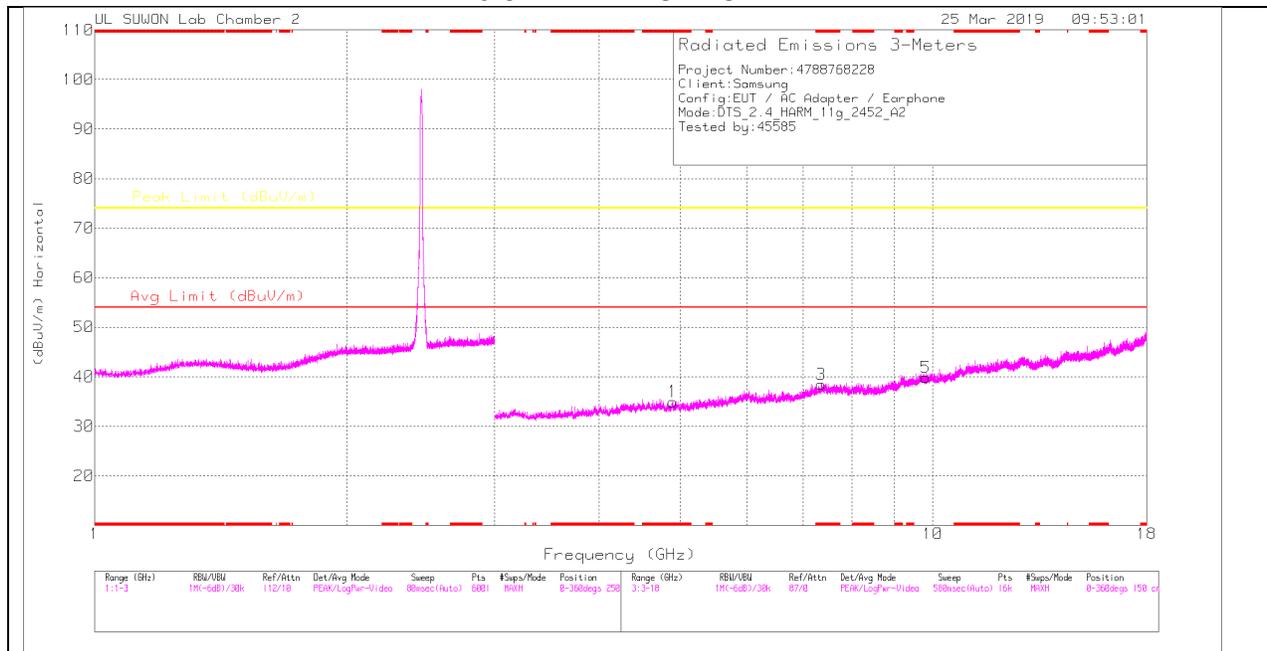
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det		3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.887	28.78	PK		34	-27.8	0	34.98	-	-	74	-39.02	0-360	150	H
3	* 7.348	26.66	PK		36.2	-24.6	0	38.26	-	-	74	-35.74	0-360	150	H
5	9.781	24.28	PK		37.3	-21.8	0	39.78	-	-	74	-34.22	0-360	150	H
2	* 4.89	28.48	PK		34	-27.7	0	34.78	-	-	74	-39.22	0-360	250	V
4	* 7.339	26.23	PK		36.2	-24.7	0	37.73	-	-	74	-36.27	0-360	250	V
6	9.787	24.58	PK		37.3	-21.8	0	40.08	-	-	74	-33.92	0-360	150	V

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

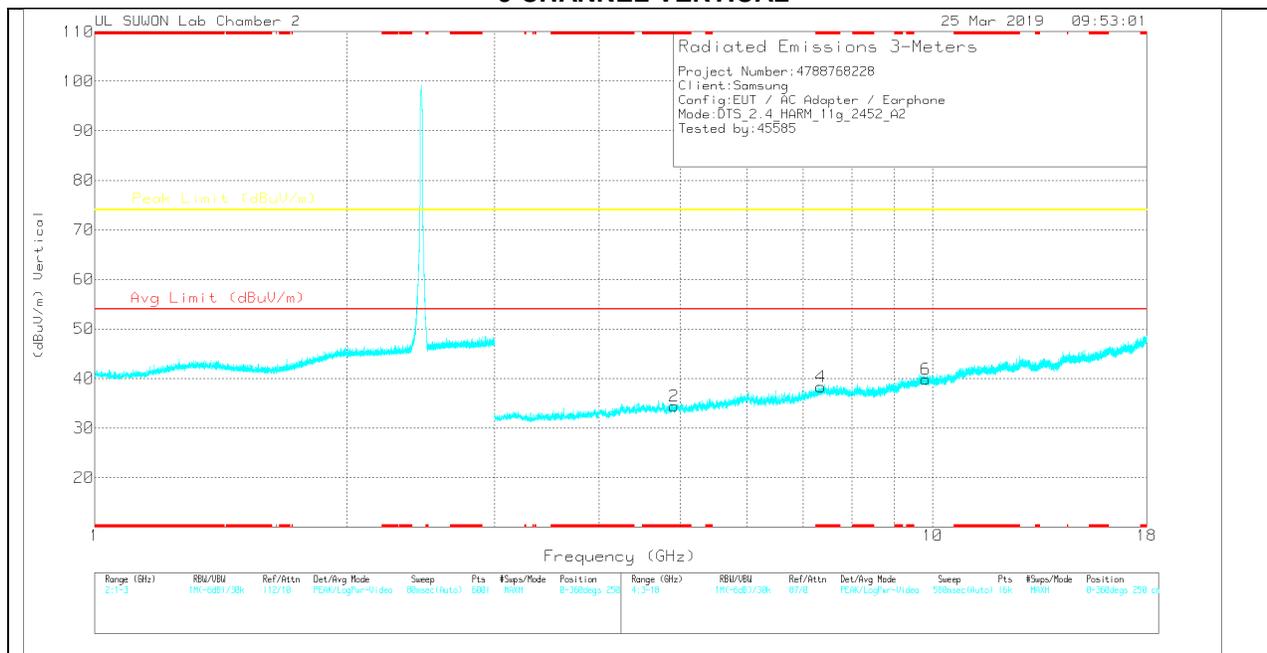
PK – Peak detector

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

9 CHANNEL HORIZONTAL



9 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.

9 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HF(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	* 4.9	28.59	PK	34	-27.6	0	34.99	-	-	74	-39.01	0-360	250	H
3	* 7.356	26.79	PK	36.2	-24.5	0	38.49	-	-	74	-35.51	0-360	250	H
5	9.802	24.35	PK	37.3	-21.8	0	39.85	-	-	74	-34.15	0-360	250	H
2	* 4.91	27.87	PK	34	-27.5	0	34.37	-	-	74	-39.63	0-360	250	V
4	* 7.353	26.64	PK	36.2	-24.5	0	38.34	-	-	74	-35.66	0-360	150	V
6	9.805	24.44	PK	37.3	-21.9	0	39.84	-	-	74	-34.16	0-360	150	V

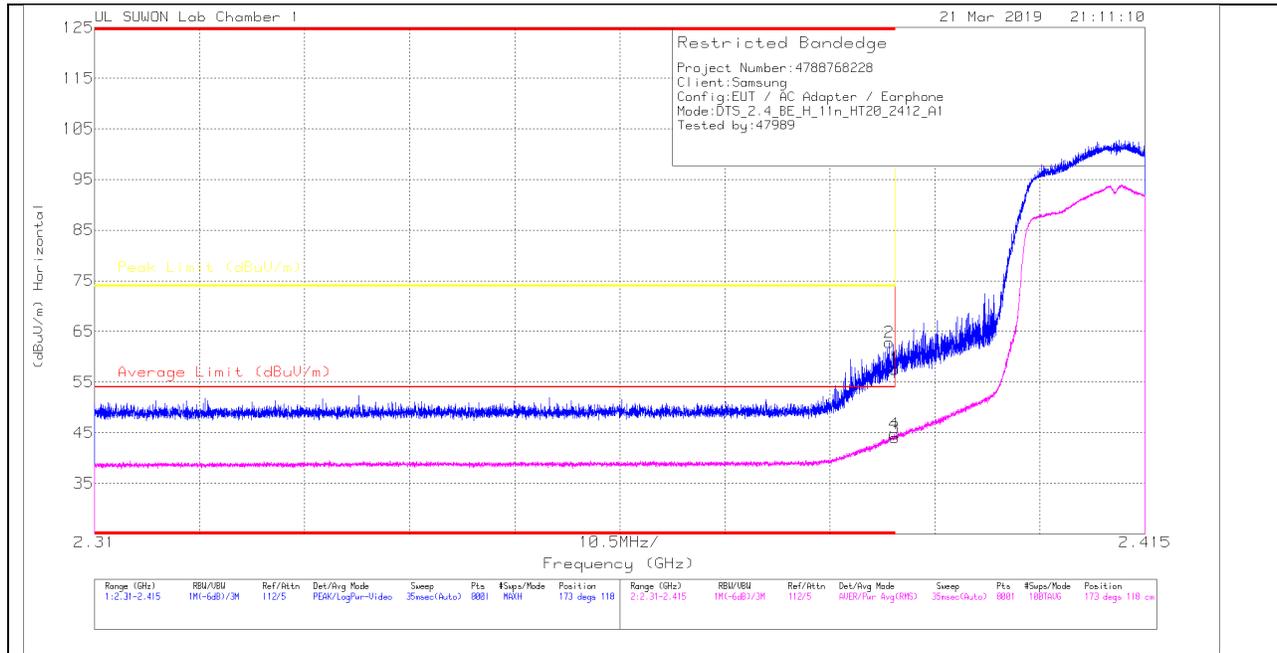
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

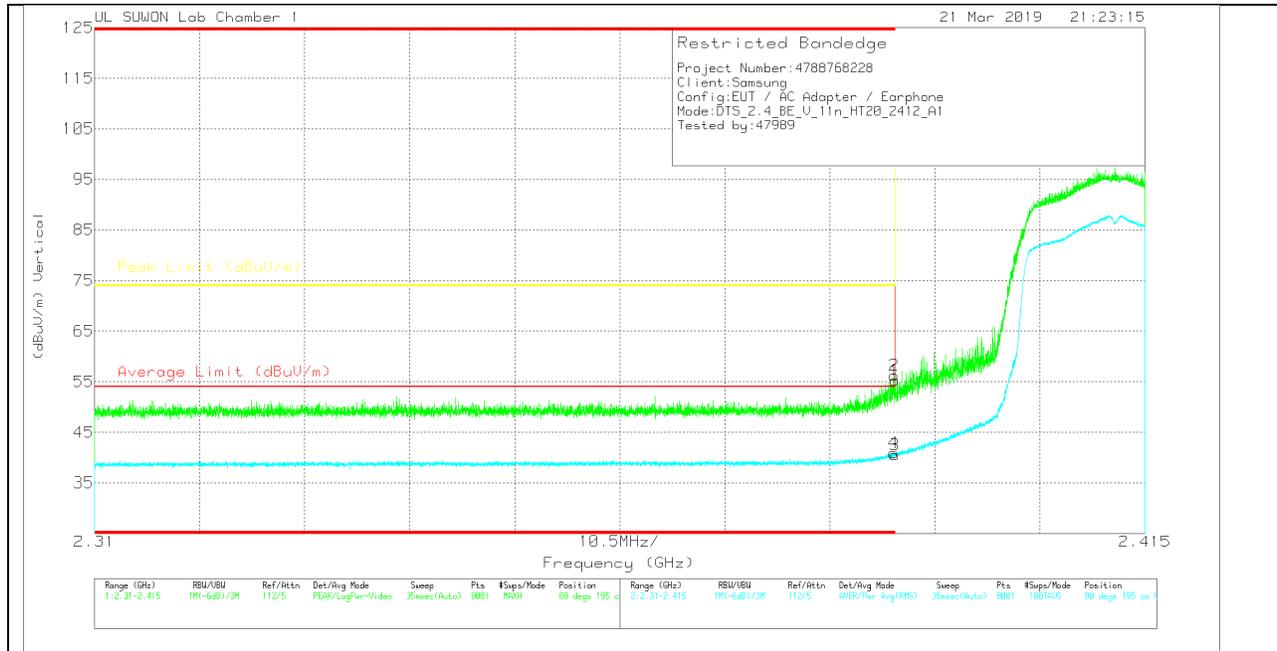
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	51.36	Pk	31.7	-25.5	0	57.56	-	-	74	-16.44	173	118	H
2	* 2.389	56.62	Pk	31.7	-25.5	0	62.82	-	-	74	-11.18	173	118	H
3	* 2.39	37.75	RMS	31.7	-25.5	.09	44.04	54	-9.96	-	-	173	118	H
4	* 2.39	38.47	RMS	31.7	-25.5	.09	44.76	54	-9.24	-	-	173	118	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.05	Pk	31.7	-25.5	0	55.25	-	-	74	-18.75	80	195	V
2	* 2.39	50.01	Pk	31.7	-25.5	0	56.21	-	-	74	-17.79	80	195	V
3	* 2.39	34.24	RMS	31.7	-25.5	.09	40.53	54	-13.47	-	-	80	195	V
4	* 2.39	34.65	RMS	31.7	-25.5	.09	40.94	54	-13.06	-	-	80	195	V

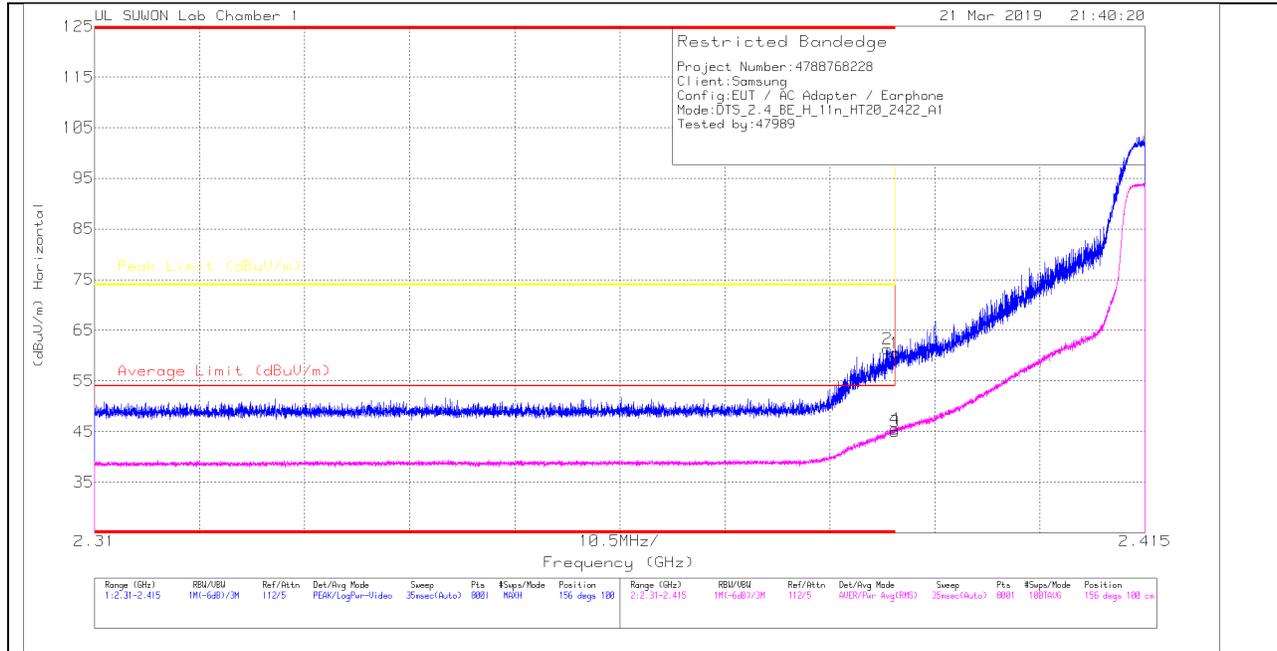
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (3 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

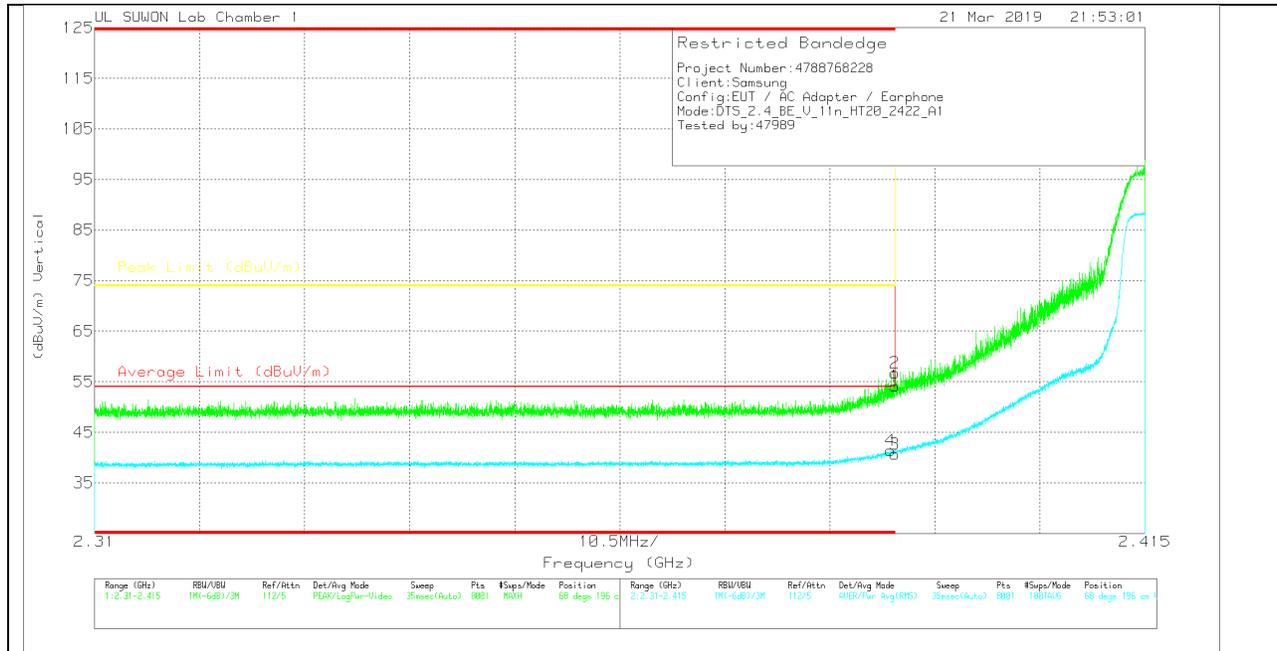
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.28	Pk	31.7	-25.5	0	60.48	-	-	74	-13.52	156	100	H
2	* 2.389	55.09	Pk	31.7	-25.5	0	61.29	-	-	74	-12.71	156	100	H
3	* 2.39	38.71	RMS	31.7	-25.5	.09	45	54	-9	-	-	156	100	H
4	* 2.39	39.25	RMS	31.7	-25.5	.09	45.54	54	-8.46	-	-	156	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.94	Pk	31.7	-25.5	0	54.14	-	-	74	-19.86	68	196	V
2	* 2.39	50.59	Pk	31.7	-25.5	0	56.79	-	-	74	-17.21	68	196	V
3	* 2.39	34.41	RMS	31.7	-25.5	.09	40.7	54	-13.3	-	-	68	196	V
4	* 2.39	35.08	RMS	31.7	-25.5	.09	41.37	54	-12.63	-	-	68	196	V

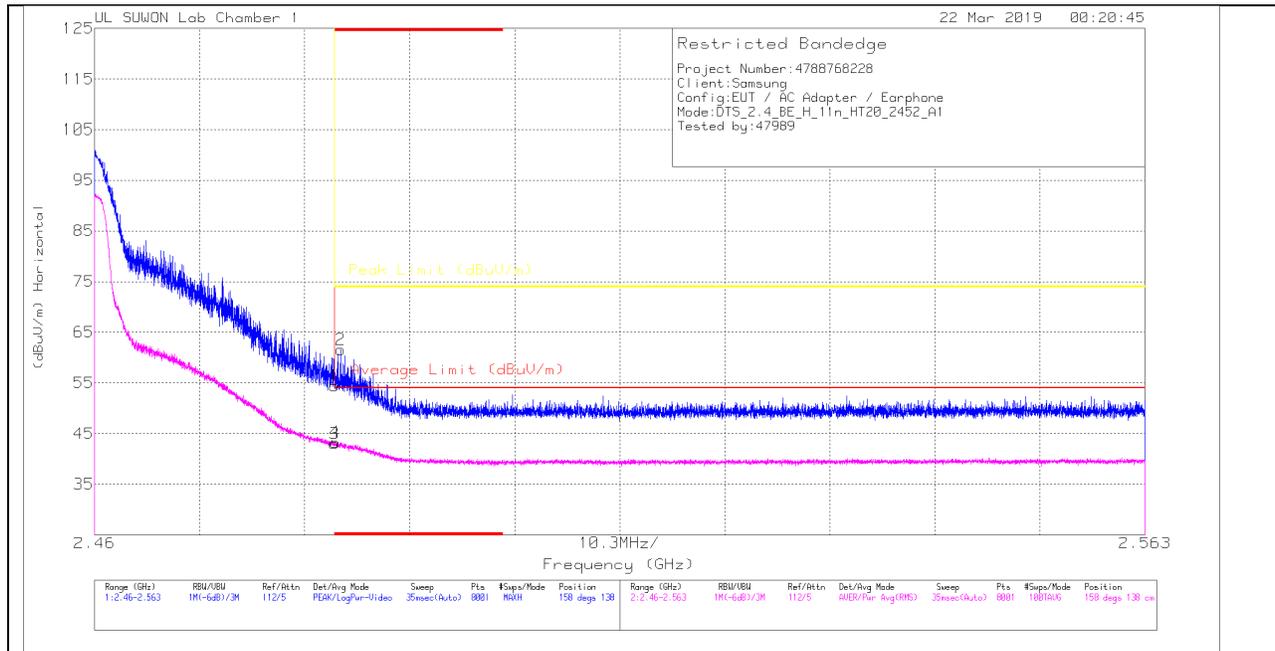
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (9 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

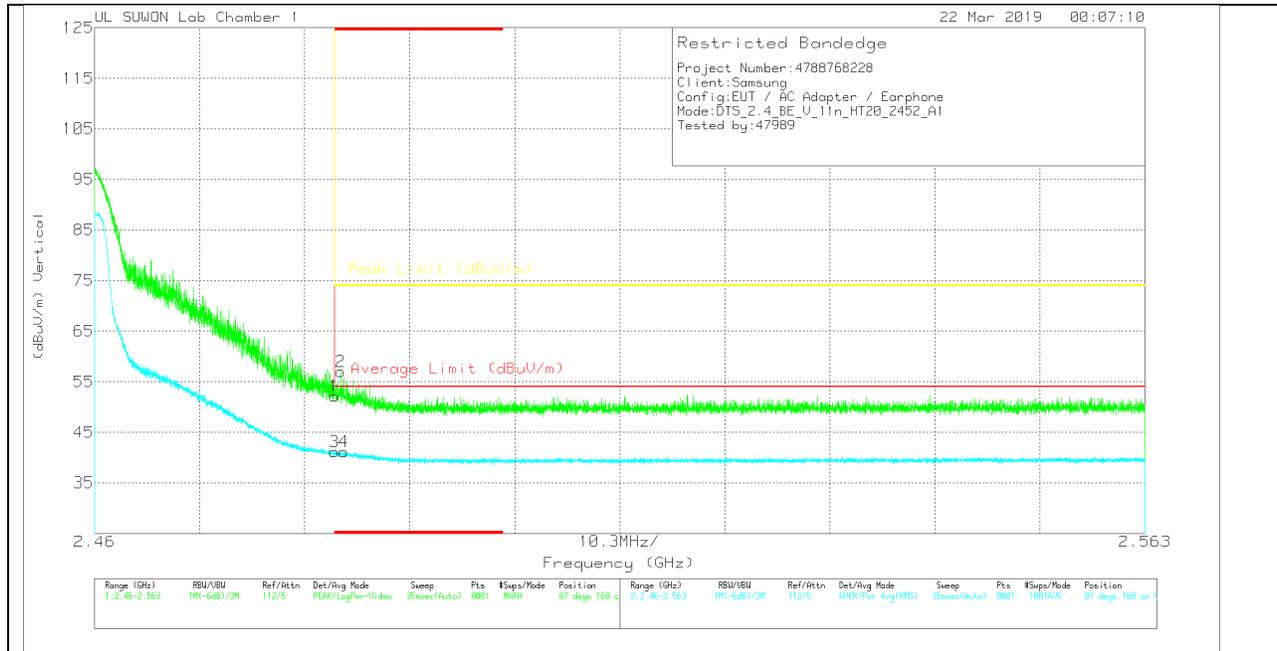
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.8	Pk	31.9	-25.3	0	54.4	-	-	74	-19.6	158	138	H
2	* 2.484	55	Pk	31.9	-25.3	0	61.6	-	-	74	-12.4	158	138	H
3	* 2.484	36.35	RMS	31.9	-25.3	.09	43.04	54	-10.96	-	-	158	138	H
4	* 2.484	36.56	RMS	31.9	-25.3	.09	43.25	54	-10.75	-	-	158	138	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.63	Pk	31.9	-25.3	0	52.23	-	-	74	-21.77	87	168	V
2	* 2.484	50.35	Pk	31.9	-25.3	0	56.95	-	-	74	-17.05	87	168	V
3	* 2.484	34.51	RMS	31.9	-25.3	.09	41.2	54	-12.8	-	-	87	168	V
4	* 2.484	34.47	RMS	31.9	-25.3	.09	41.16	54	-12.84	-	-	87	168	V

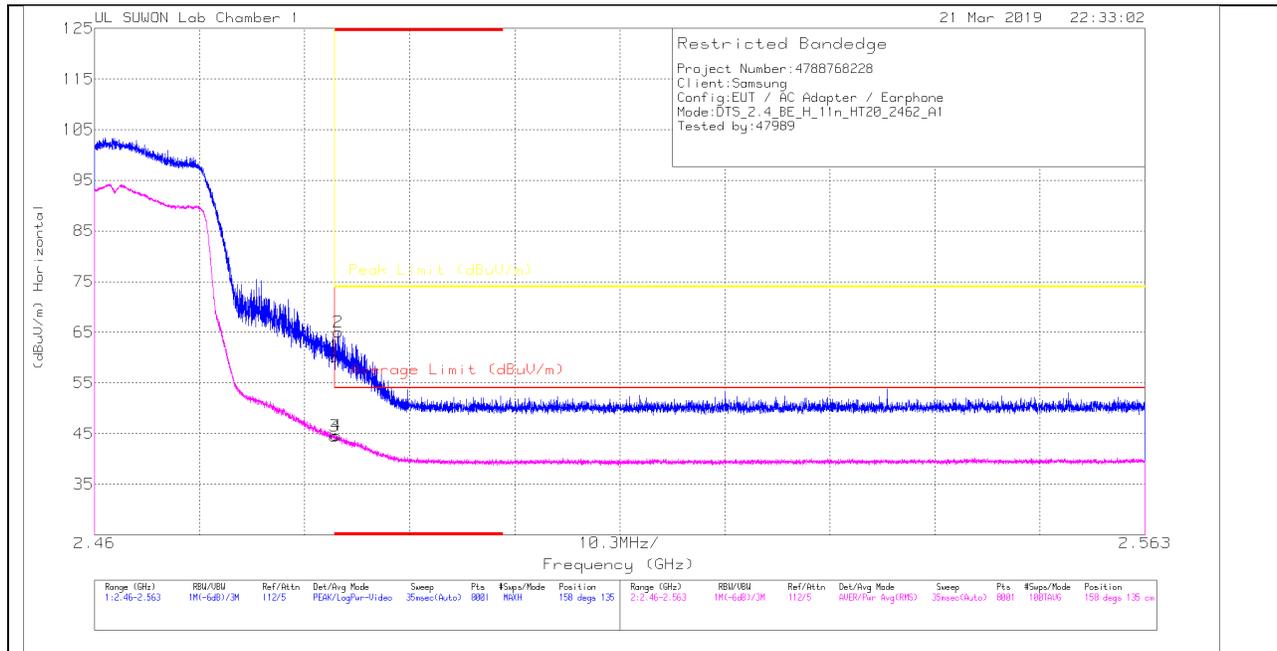
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

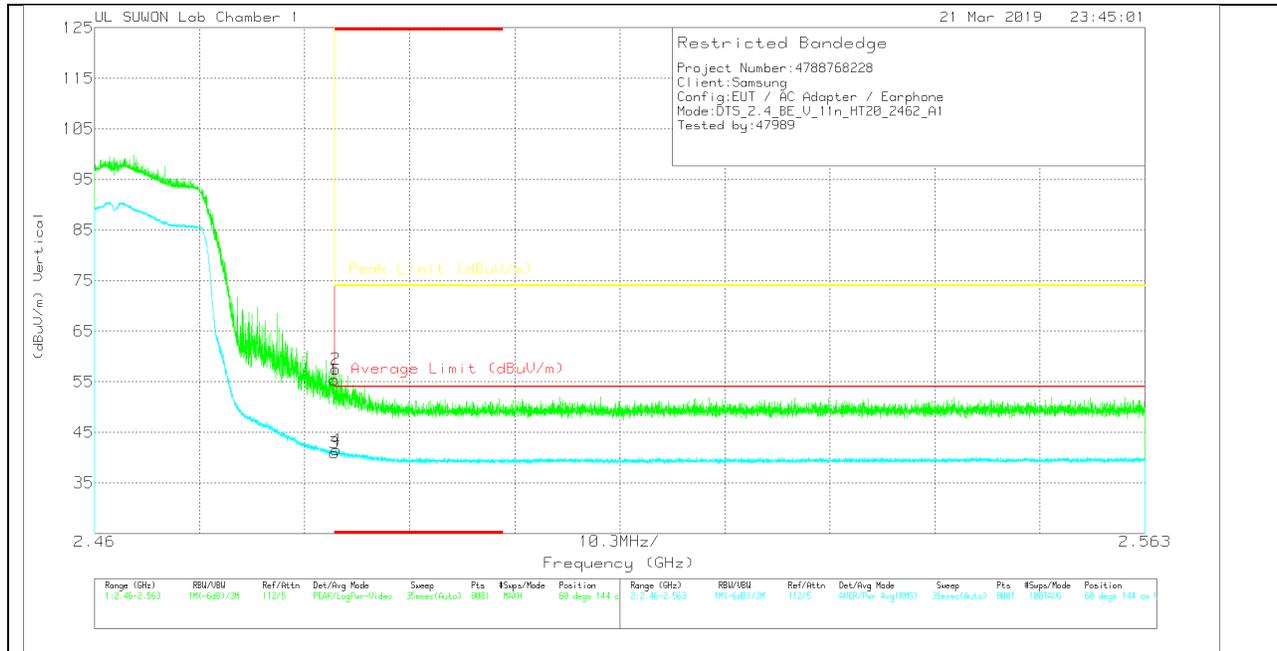
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.68	Pk	31.9	-25.3	0	60.28	-	-	74	-13.72	158	135	H
2	* 2.484	58.45	Pk	31.9	-25.3	0	65.05	-	-	74	-8.95	158	135	H
3	* 2.484	37.88	RMS	31.9	-25.3	.09	44.57	54	-9.43	-	-	158	135	H
4	* 2.484	37.98	RMS	31.9	-25.3	.09	44.67	54	-9.33	-	-	158	135	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.82	Pk	31.9	-25.3	0	55.42	-	-	74	-18.58	60	144	V
2	* 2.484	50.91	Pk	31.9	-25.3	0	57.51	-	-	74	-16.49	60	144	V
3	* 2.484	34.2	RMS	31.9	-25.3	.09	40.89	54	-13.11	-	-	60	144	V
4	* 2.484	34.81	RMS	31.9	-25.3	.09	41.5	54	-12.5	-	-	60	144	V

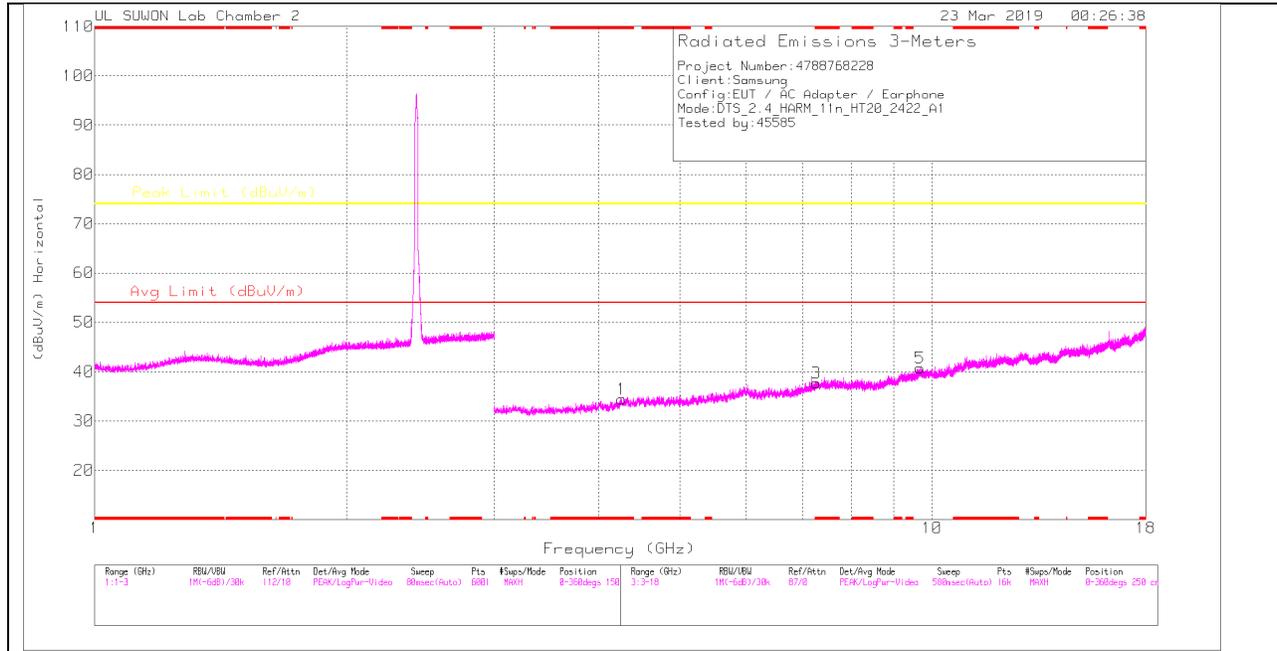
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

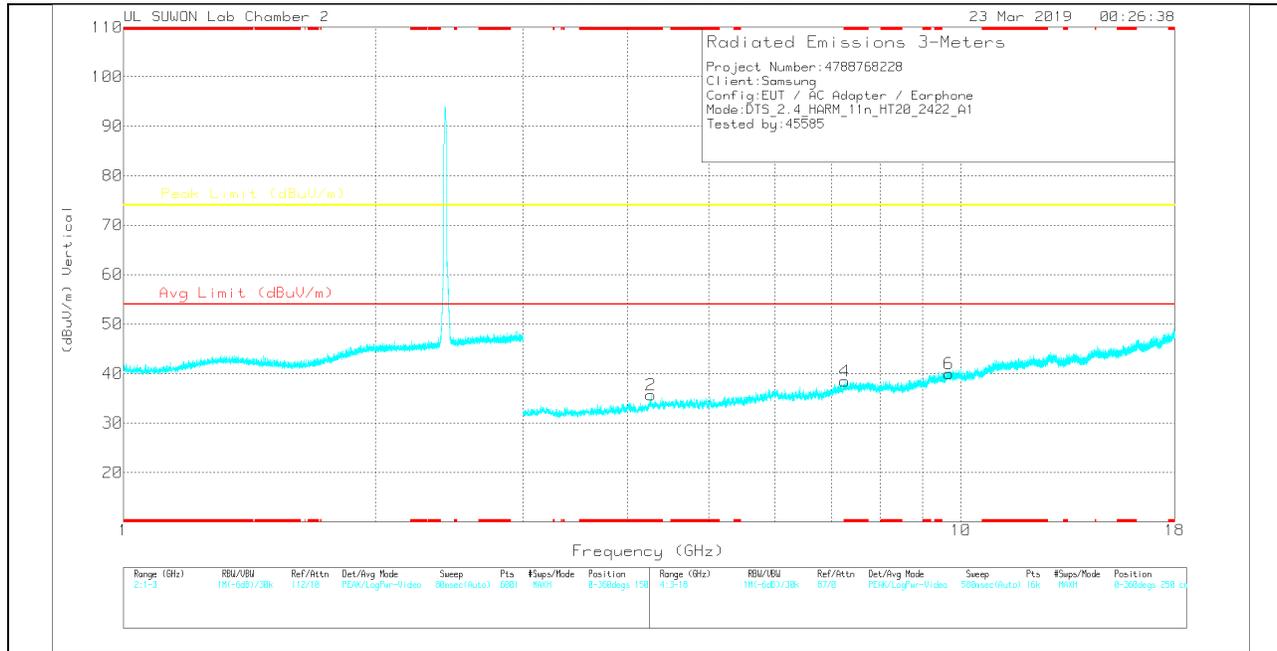
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

3 CHANNEL HORIZONTAL



3 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.

3 CHANNEL DATA

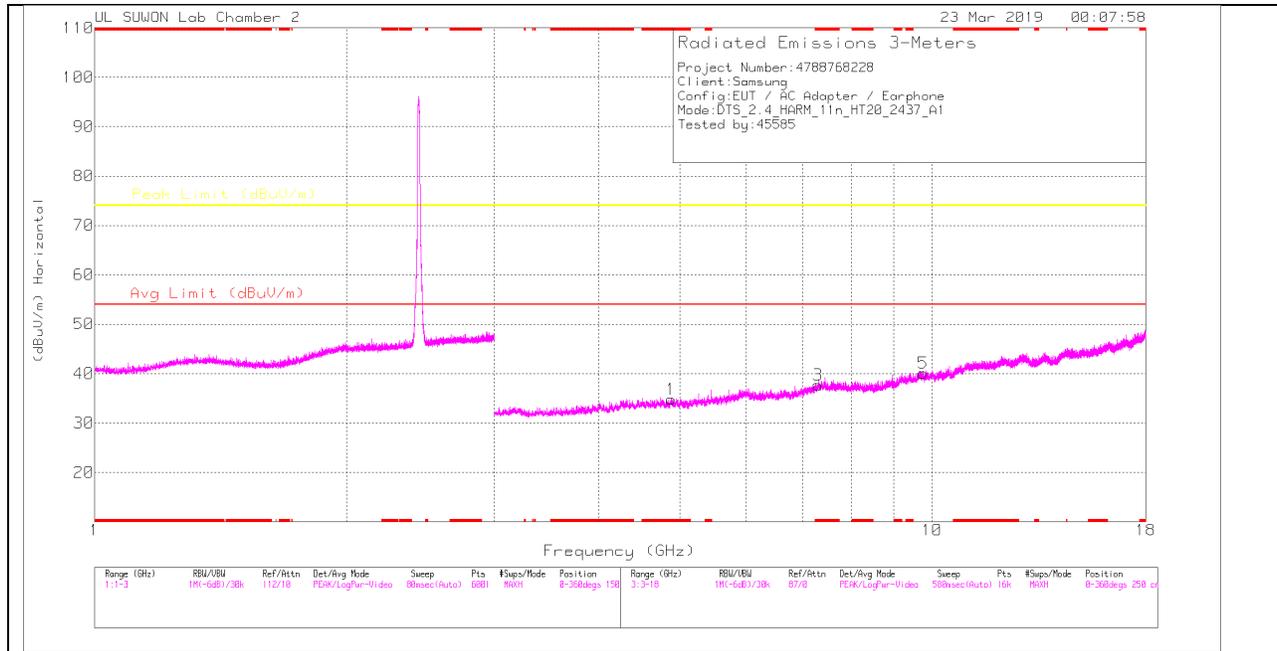
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.262	28.18	PK	33.5	-27.3	0	34.38	-	-	74	-39.62	0-360	150	H
3	* 7.271	26.87	PK	36.2	-25.4	0	37.67	-	-	74	-36.33	0-360	250	H
5	9.678	24.95	PK	37.1	-21.3	0	40.75	-	-	74	-33.25	0-360	250	H
2	* 4.264	29.38	PK	33.5	-27.2	0	35.68	-	-	74	-38.32	0-360	250	V
4	* 7.265	27.67	PK	36.2	-25.4	0	38.47	-	-	74	-35.53	0-360	150	V
6	9.673	24.23	PK	37.1	-21.4	0	39.93	-	-	74	-34.07	0-360	250	V

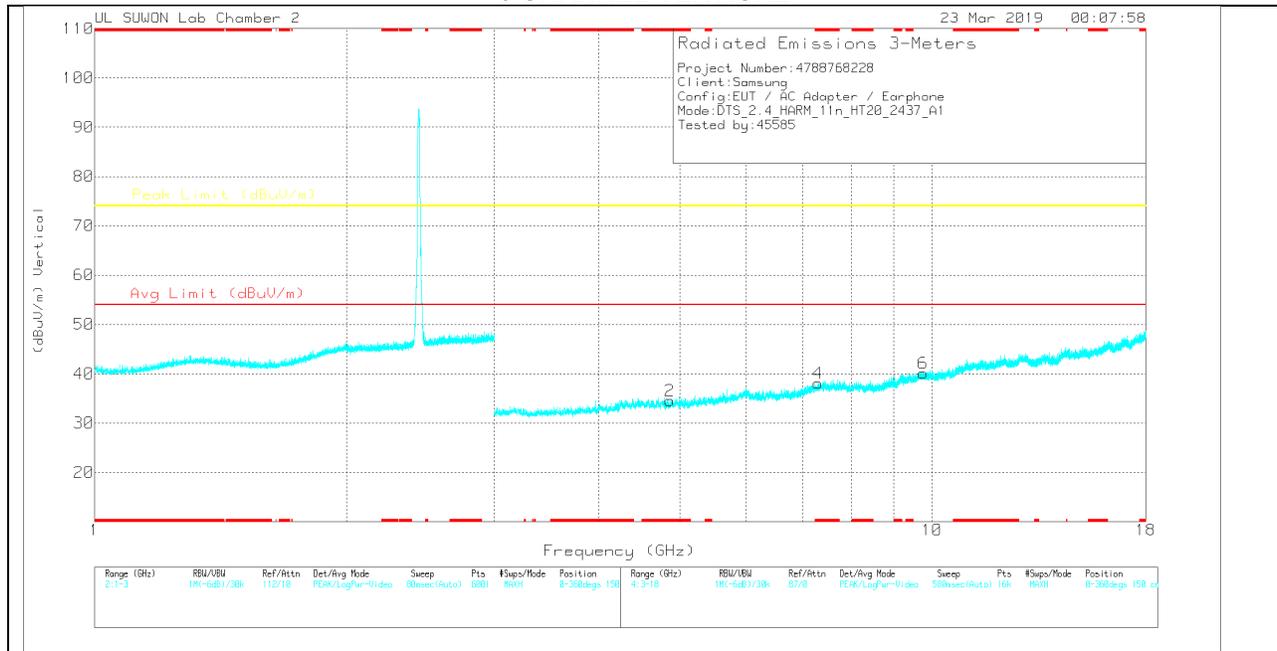
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

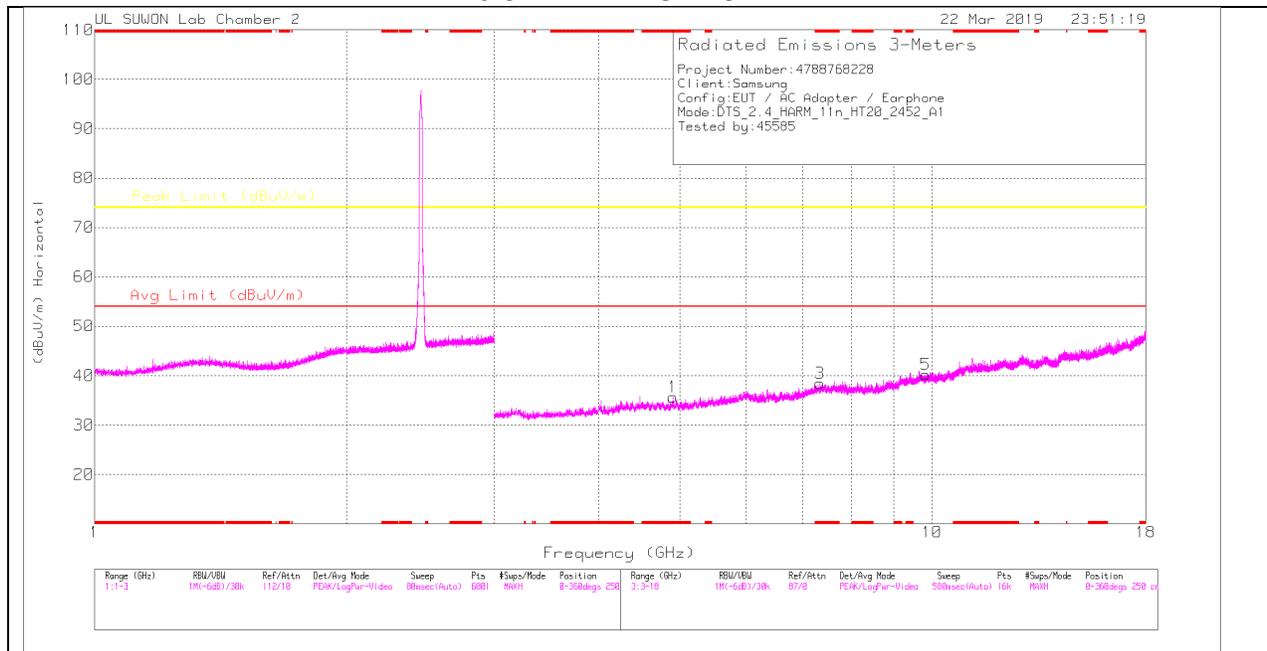
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	* 4.878	28.69	PK	34	-27.9	0	34.79	-	-	74	-39.21	0-360	150	H
3	* 7.31	26.53	PK	36.2	-25	0	37.73	-	-	74	-36.27	0-360	250	H
5	9.753	24.29	PK	37.2	-21.4	0	40.09	-	-	74	-33.91	0-360	250	H
2	* 4.866	28.52	PK	34	-28	0	34.52	-	-	74	-39.48	0-360	150	V
4	* 7.311	26.84	PK	36.2	-25	0	38.04	-	-	74	-35.96	0-360	250	V
6	9.751	24.27	PK	37.2	-21.4	0	40.07	-	-	74	-33.93	0-360	250	V

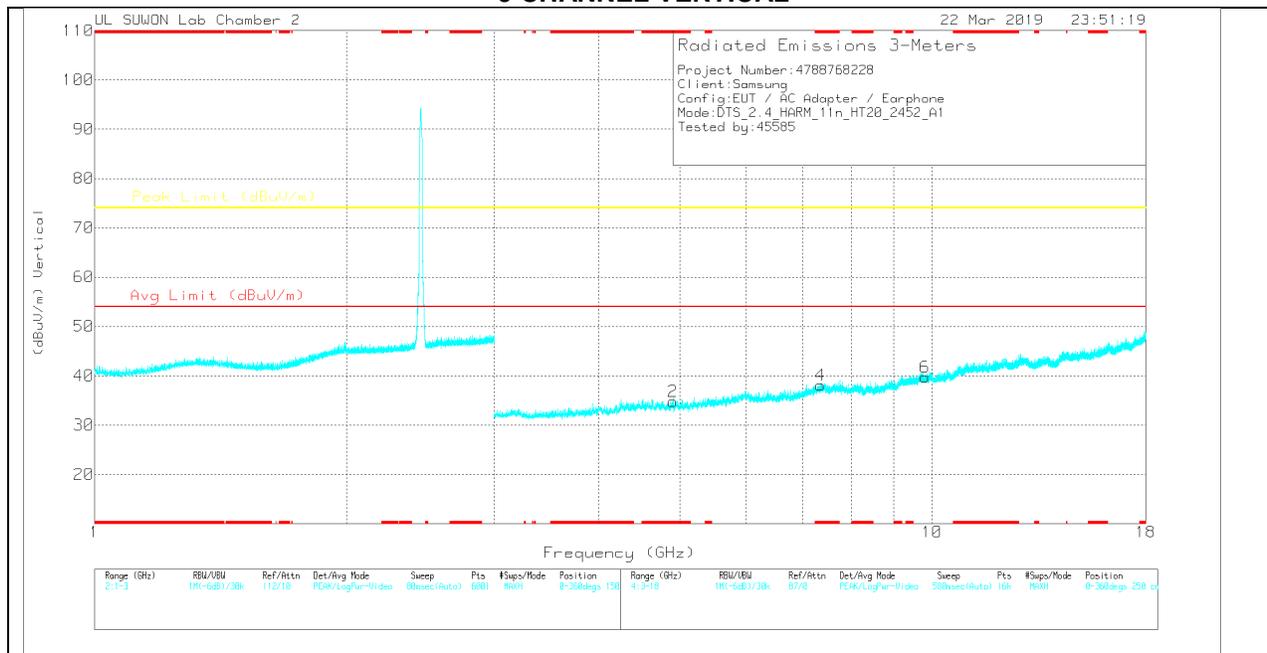
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

9 CHANNEL HORIZONTAL



9 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.

9 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.907	29.13	PK	34	-27.5	0	35.63	-	-	74	-38.37	0-360	250	H
3	* 7.353	26.76	PK	36.2	-24.5	0	38.46	-	-	74	-35.54	0-360	250	H
5	9.817	24.76	PK	37.3	-21.8	0	40.26	-	-	74	-33.74	0-360	250	H
2	* 4.908	28.31	PK	34	-27.5	0	34.81	-	-	74	-39.19	0-360	250	V
4	* 7.36	26.38	PK	36.2	-24.5	0	38.08	-	-	74	-35.92	0-360	150	V
6	9.808	24.24	PK	37.3	-21.8	0	39.74	-	-	74	-34.26	0-360	150	V

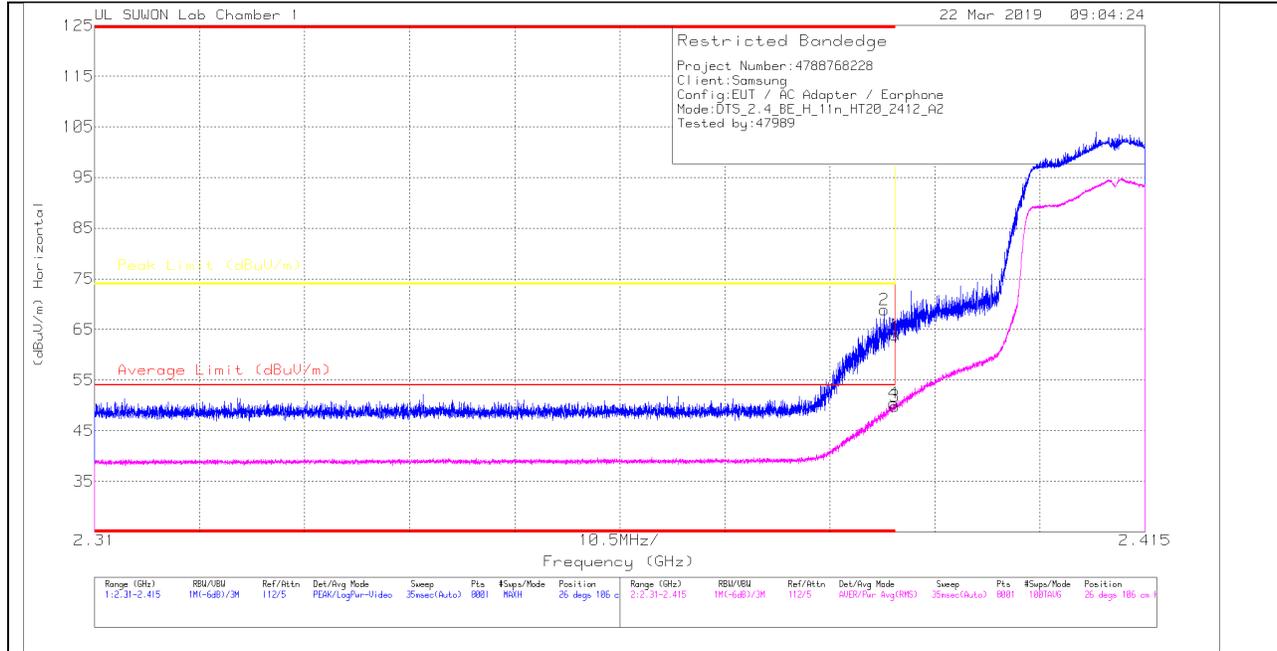
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

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

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

BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

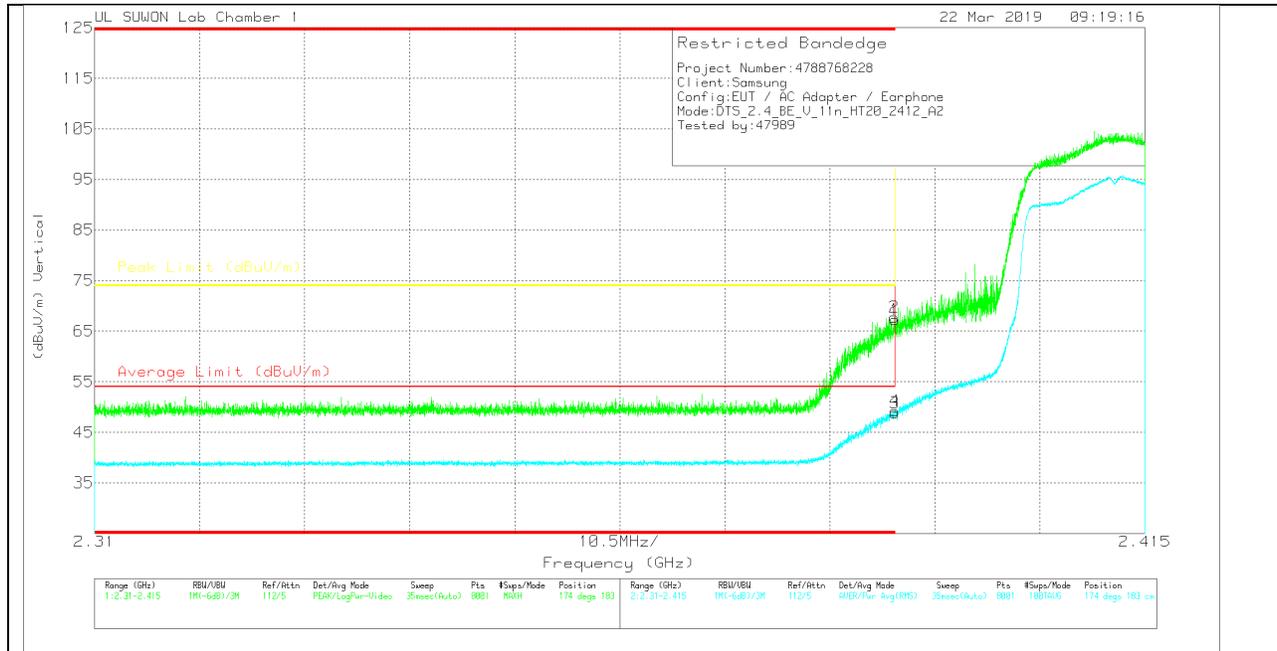
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	57.71	Pk	31.7	-25.5	0	63.91	-	-	74	-10.09	26	106	H
2	* 2.389	62.65	Pk	31.7	-25.5	0	68.85	-	-	74	-5.15	26	106	H
3	* 2.39	43.52	RMS	31.7	-25.5	.09	49.81	54	-4.19	-	-	26	106	H
4	* 2.39	44.2	RMS	31.7	-25.5	.09	50.49	54	-3.51	-	-	26	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	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.11	Pk	31.7	-25.5	0	67.31	-	-	74	-6.69	174	183	V
2	* 2.39	61.58	Pk	31.7	-25.5	0	67.78	-	-	74	-6.22	174	183	V
3	* 2.39	42.53	RMS	31.7	-25.5	.09	48.82	54	-5.18	-	-	174	183	V
4	* 2.39	42.96	RMS	31.7	-25.5	.09	49.25	54	-4.75	-	-	174	183	V

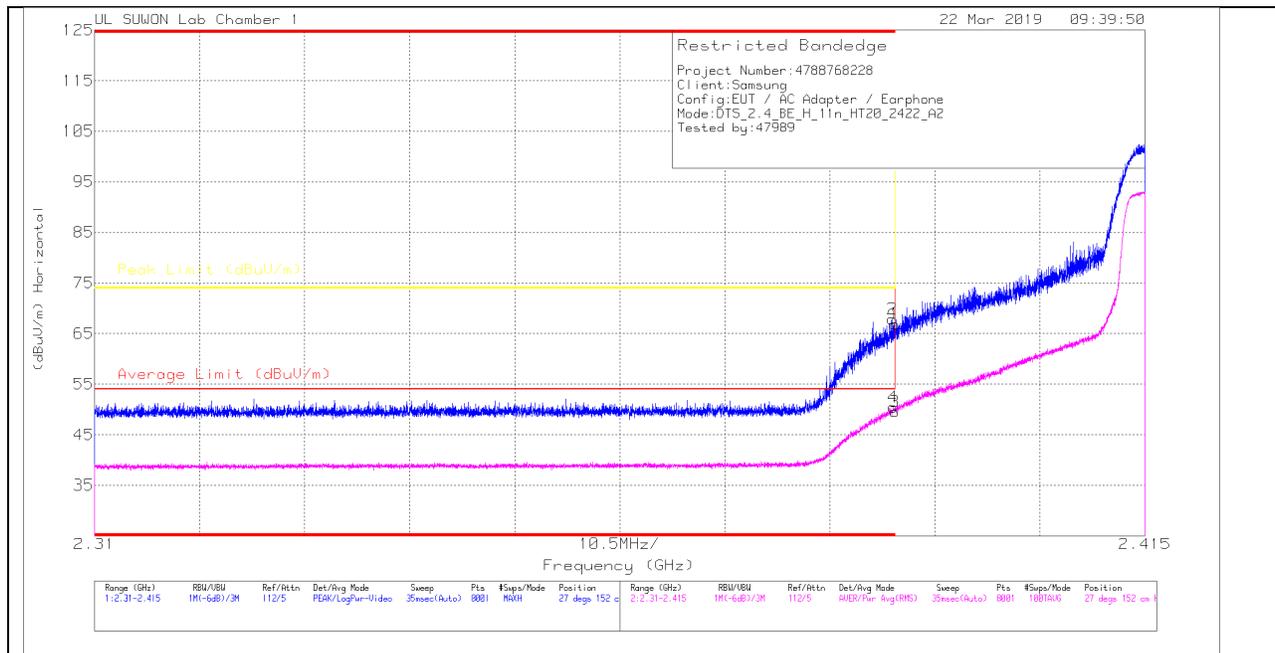
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (3 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

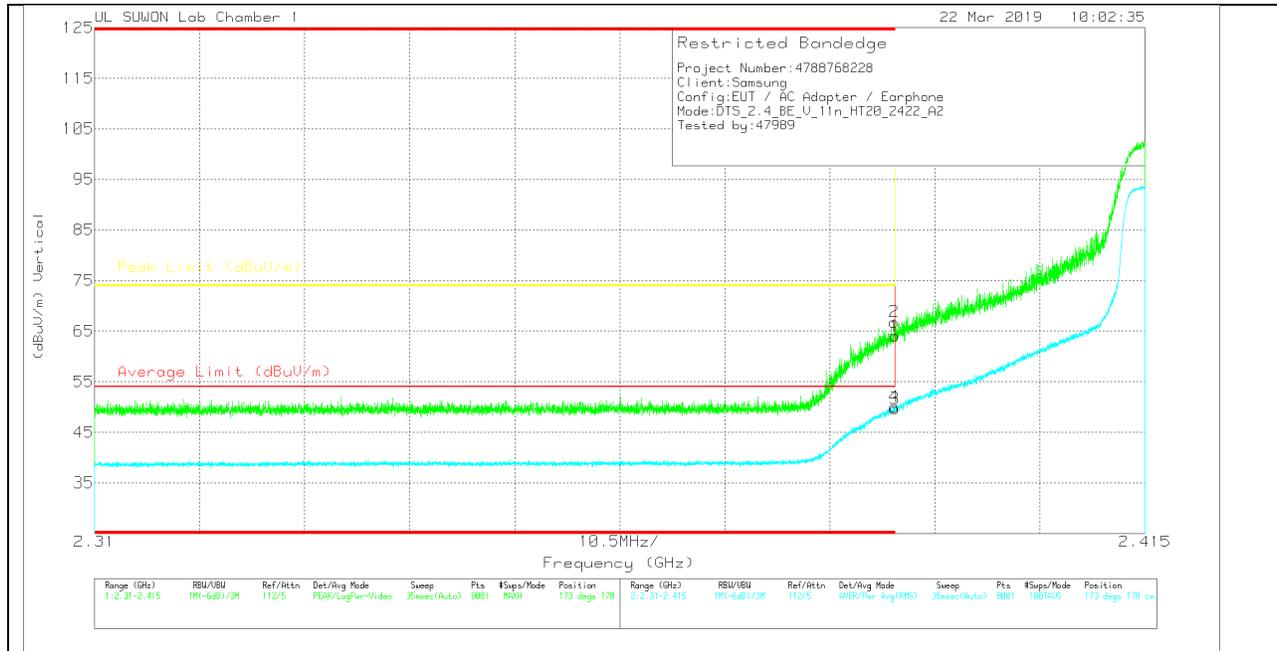
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.72	Pk	31.7	-25.5	0	66.92	-	-	74	-7.08	27	152	H
2	* 2.39	61.68	Pk	31.7	-25.5	0	67.88	-	-	74	-6.12	27	152	H
3	* 2.39	43.27	RMS	31.7	-25.5	.09	49.56	54	-4.44	-	-	27	152	H
4	* 2.39	44.14	RMS	31.7	-25.5	.09	50.43	54	-3.57	-	-	27	152	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.88	Pk	31.7	-25.5	0	64.08	-	-	74	-9.92	173	178	V
2	* 2.39	60.64	Pk	31.7	-25.5	0	66.84	-	-	74	-7.16	173	178	V
3	* 2.39	43.43	RMS	31.7	-25.5	.09	49.72	54	-4.28	-	-	173	178	V
4	* 2.39	43.73	RMS	31.7	-25.5	.09	50.02	54	-3.98	-	-	173	178	V

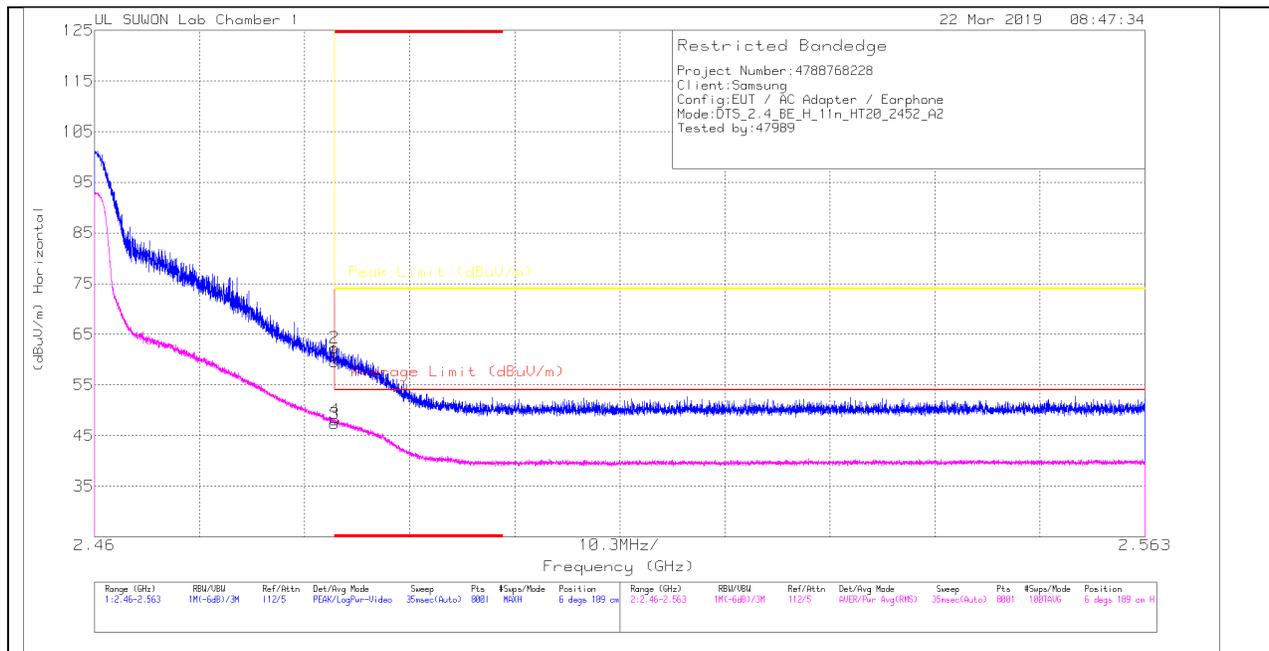
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (9 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

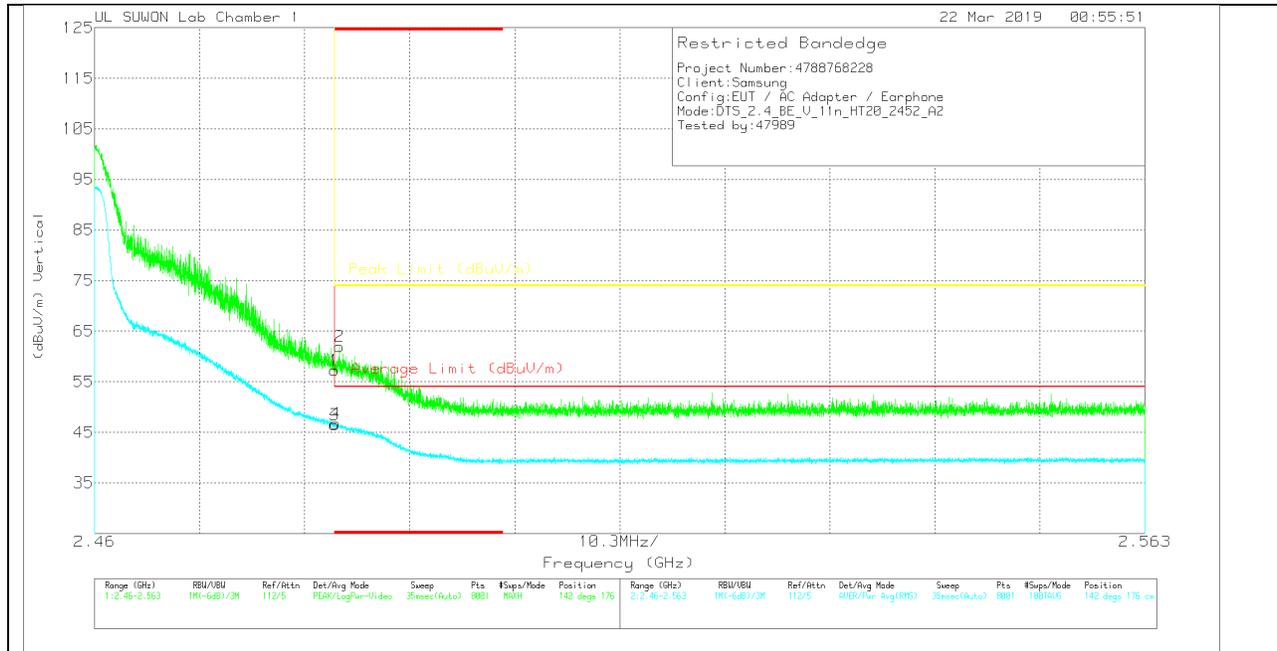
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.03	Pk	31.9	-25.3	0	59.63	-	-	74	-14.37	6	189	H
2	* 2.484	55.67	Pk	31.9	-25.3	0	62.27	-	-	74	-11.73	6	189	H
3	* 2.484	40.66	RMS	31.9	-25.3	.09	47.35	54	-6.65	-	-	6	189	H
4	* 2.484	41.4	RMS	31.9	-25.3	.09	48.09	54	-5.91	-	-	6	189	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.62	Pk	31.9	-25.3	0	57.22	-	-	74	-16.78	142	176	V
2	* 2.484	55.31	Pk	31.9	-25.3	0	61.91	-	-	74	-12.09	142	176	V
3	* 2.484	39.81	RMS	31.9	-25.3	.09	46.5	54	-7.5	-	-	142	176	V
4	* 2.484	40.1	RMS	31.9	-25.3	.09	46.79	54	-7.21	-	-	142	176	V

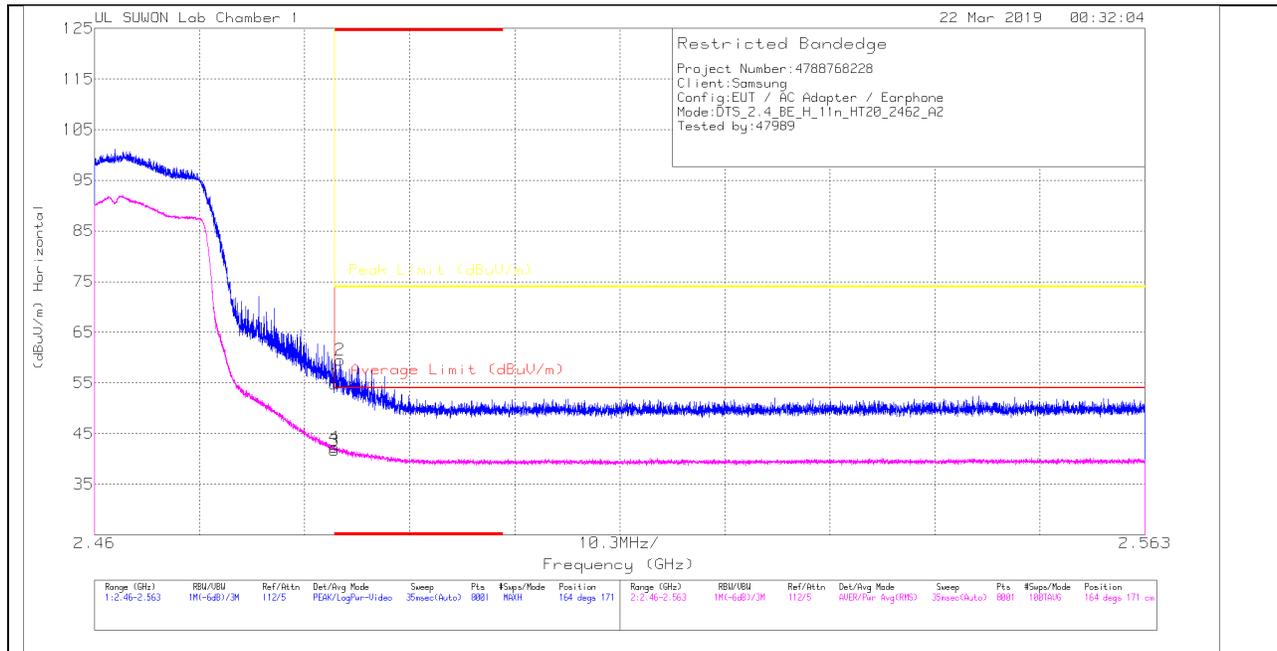
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

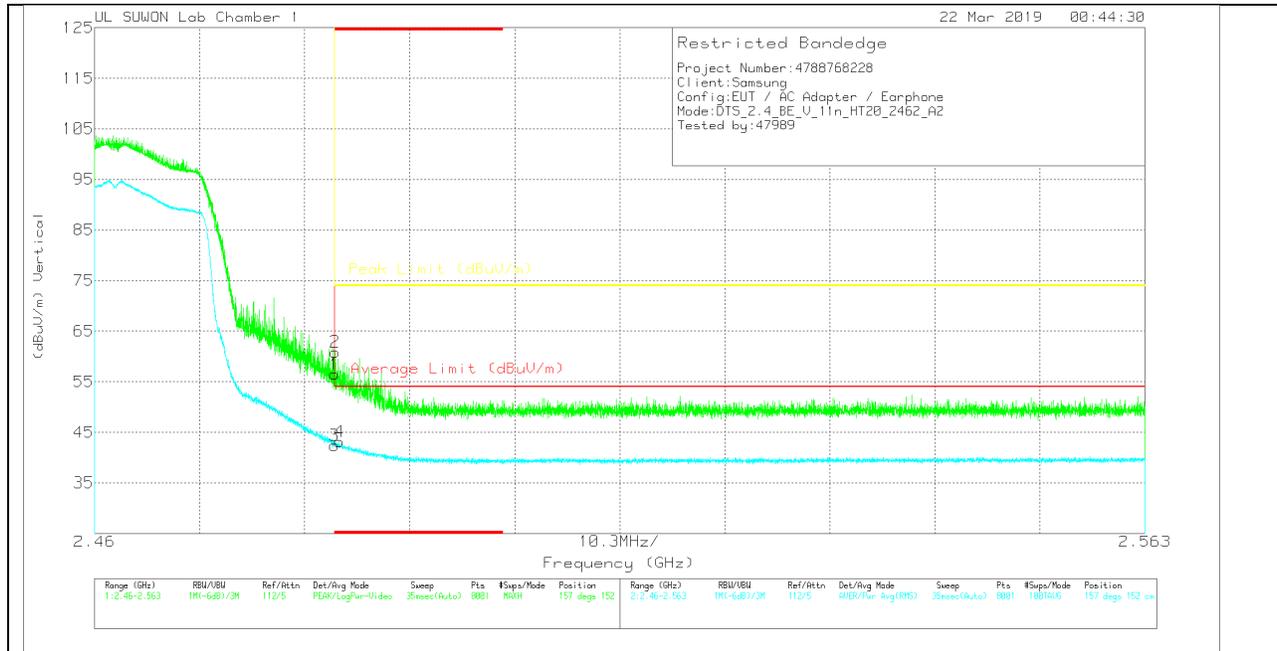
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.16	Pk	31.9	-25.3	0	54.76	-	-	74	-19.24	164	171	H
2	* 2.484	52.94	Pk	31.9	-25.3	0	59.54	-	-	74	-14.46	164	171	H
3	* 2.484	35.02	RMS	31.9	-25.3	.09	41.71	54	-12.29	-	-	164	171	H
4	* 2.484	35.63	RMS	31.9	-25.3	.09	42.32	54	-11.68	-	-	164	171	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.89	Pk	31.9	-25.3	0	56.49	-	-	74	-17.51	157	152	V
2	* 2.484	54.3	Pk	31.9	-25.3	0	60.9	-	-	74	-13.1	157	152	V
3	* 2.484	35.71	RMS	31.9	-25.3	.09	42.4	54	-11.6	-	-	157	152	V
4	* 2.484	36.5	RMS	31.9	-25.3	.09	43.19	54	-10.81	-	-	157	152	V

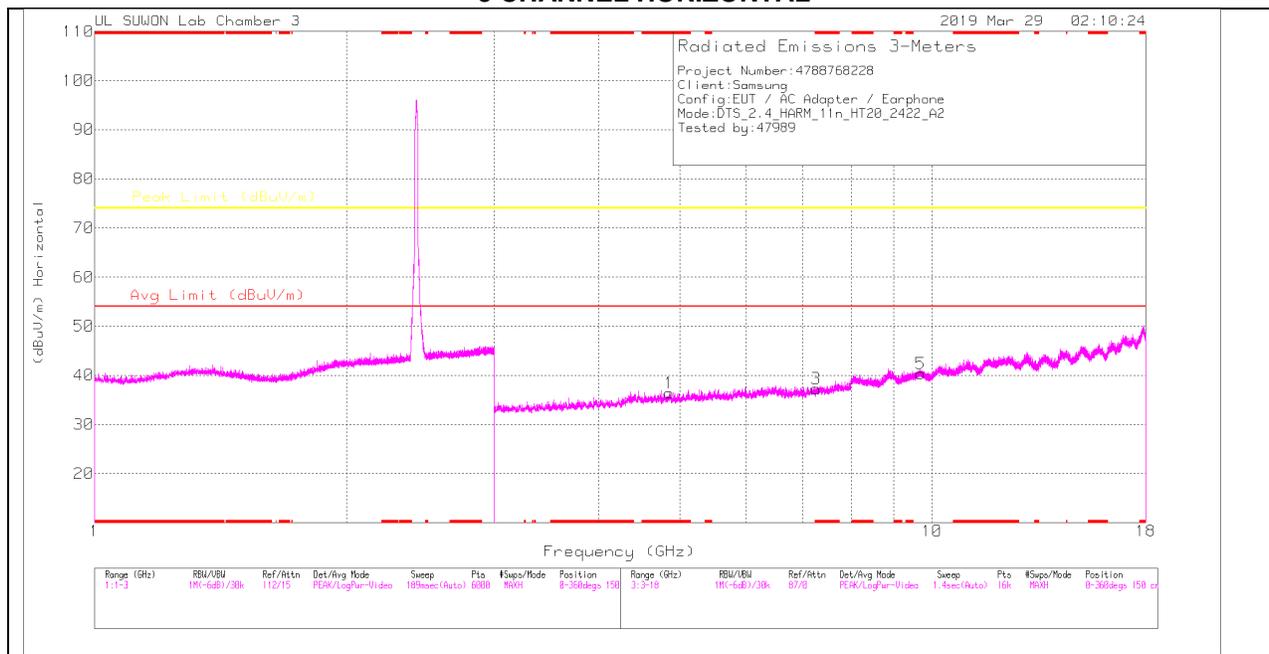
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

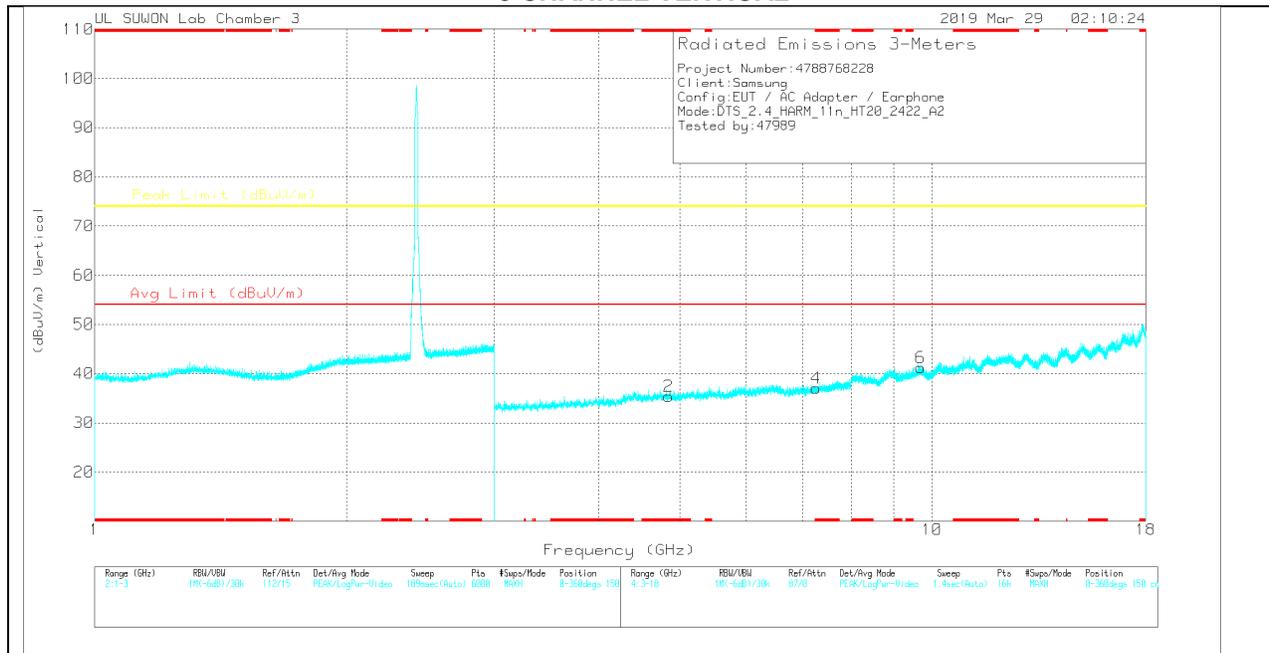
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

3 CHANNEL HORIZONTAL



3 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.

3 CHANNEL DATA

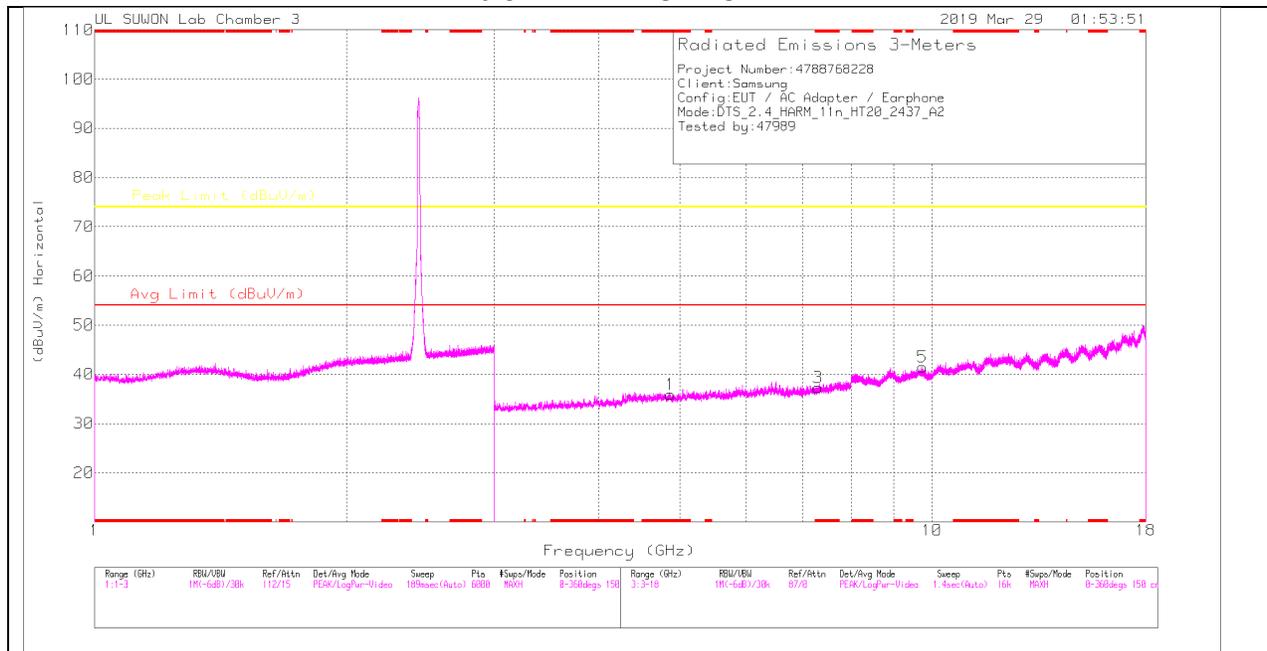
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	* 4.852	31.03	PK	34.2	-28.8	0	36.43	-	-	74	-37.57	0-360	250	H
3	* 7.272	25.49	PK	35.8	-24	0	37.29	-	-	74	-36.71	0-360	150	H
5	9.689	22.86	PK	37.1	-19.6	0	40.36	-	-	74	-33.64	0-360	150	H
2	* 4.849	29.97	PK	34.2	-28.8	0	35.37	-	-	74	-38.63	0-360	150	V
4	* 7.269	25.22	PK	35.8	-24	0	37.02	-	-	74	-36.98	0-360	150	V
6	9.689	23.77	PK	37.1	-19.6	0	41.27	-	-	74	-32.73	0-360	150	V

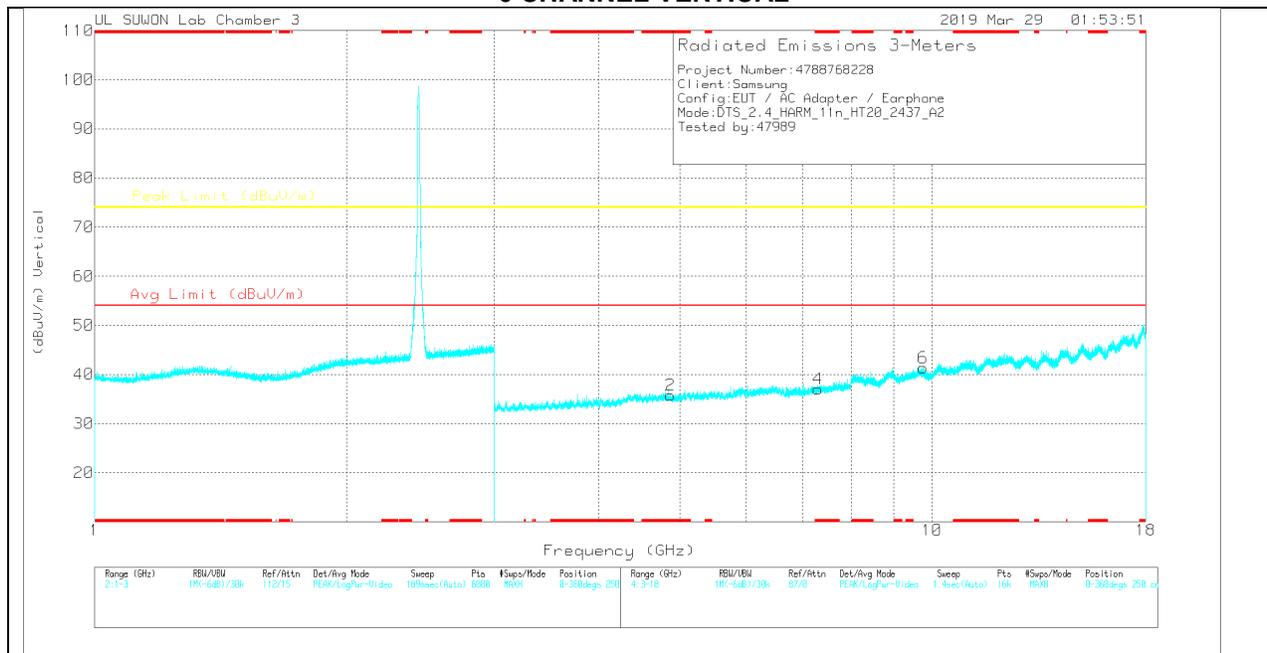
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

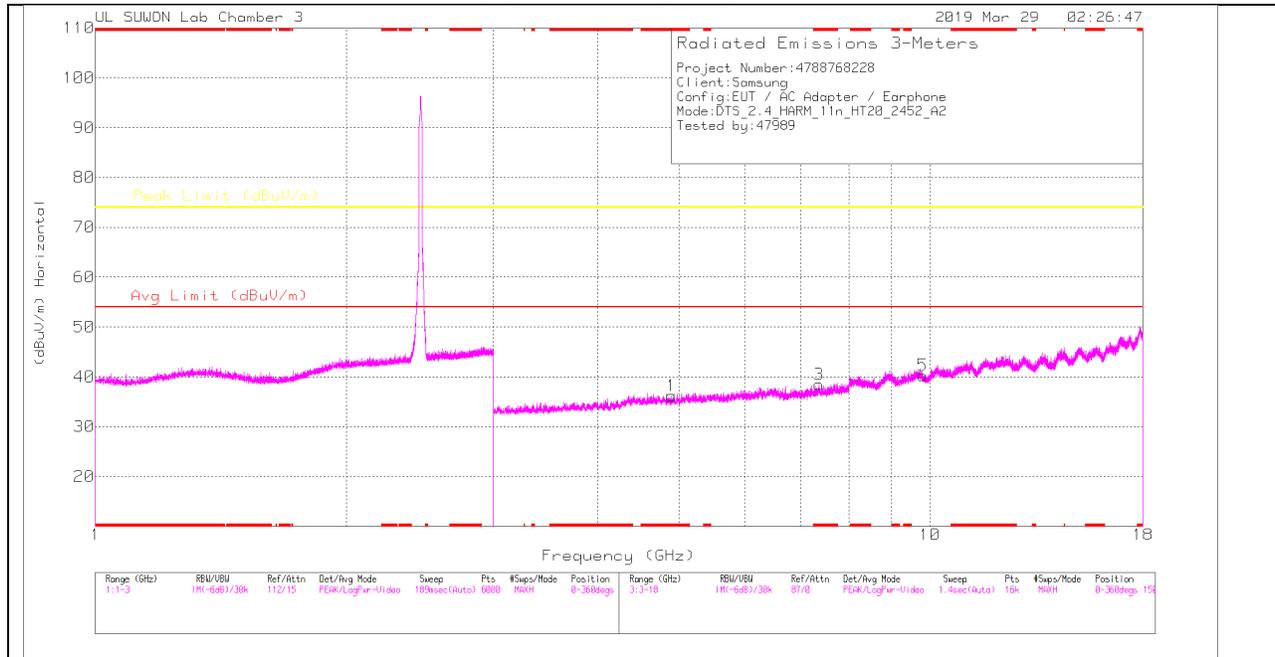
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.868	30.83	PK	34.2	-29.1	0	35.93	-	-	74	-38.07	0-360	250	H
3	* 7.313	25.25	PK	35.8	-23.7	0	37.35	-	-	74	-36.65	0-360	250	H
5	9.745	23.84	PK	37.2	-19.6	0	41.44	-	-	74	-32.56	0-360	150	H
2	* 4.869	30.64	PK	34.2	-29.1	0	35.74	-	-	74	-38.26	0-360	150	V
4	* 7.31	25.04	PK	35.8	-23.8	0	37.04	-	-	74	-36.96	0-360	150	V
6	9.75	23.79	PK	37.2	-19.6	0	41.39	-	-	74	-32.61	0-360	250	V

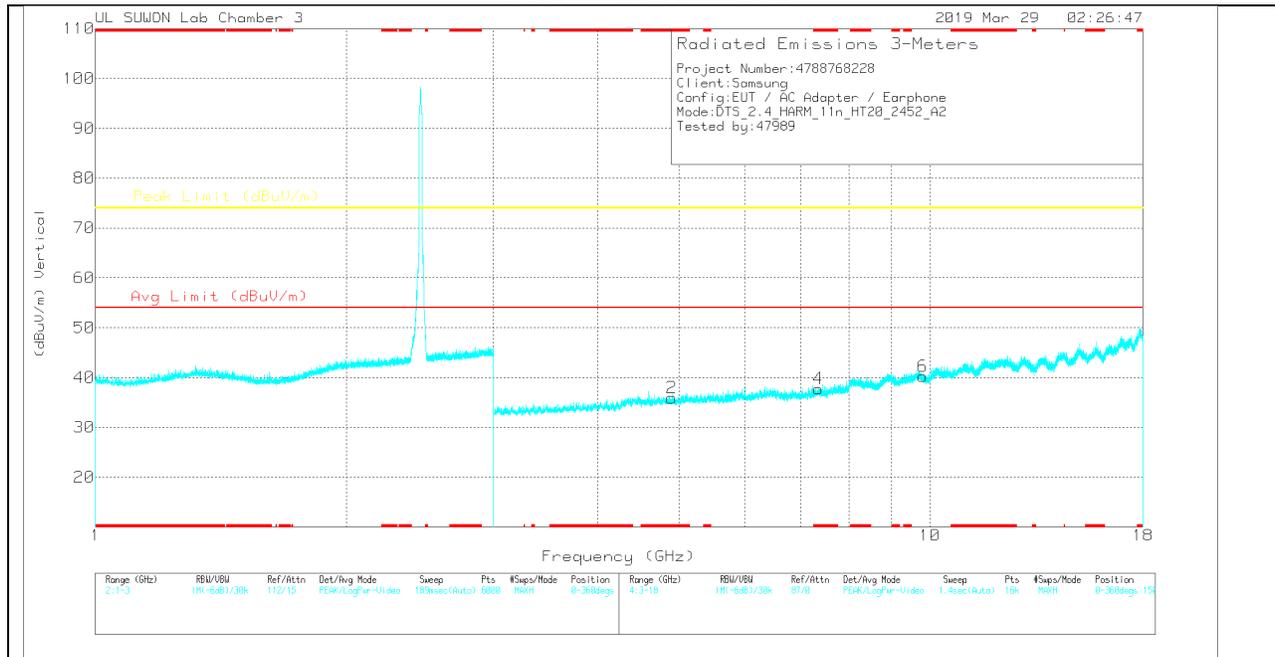
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

9 CHANNEL HORIZONTAL



9 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.

9 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	* 4.903	31.16	PK	34.2	-29.2	0	36.16	-	-	74	-37.84	0-360	150	H
3	* 7.363	26	PK	35.8	-23.3	0	38.5	-	-	74	-35.5	0-360	250	H
5	9.808	22.67	PK	37.3	-19.7	0	40.27	-	-	74	-33.73	0-360	150	H
2	* 4.905	30.92	PK	34.2	-29.2	0	35.92	-	-	74	-38.08	0-360	150	V
4	* 7.355	25.26	PK	35.8	-23.3	0	37.76	-	-	74	-36.24	0-360	150	V
6	9.807	22.65	PK	37.3	-19.7	0	40.25	-	-	74	-33.75	0-360	250	V

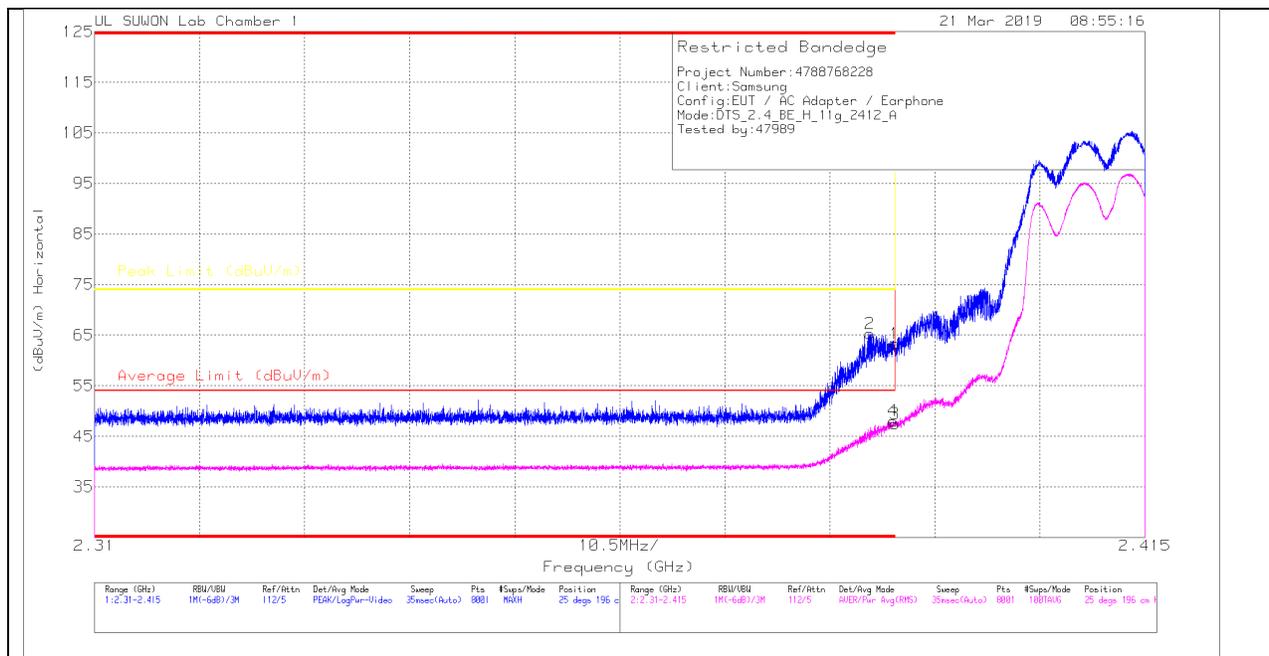
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

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

BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

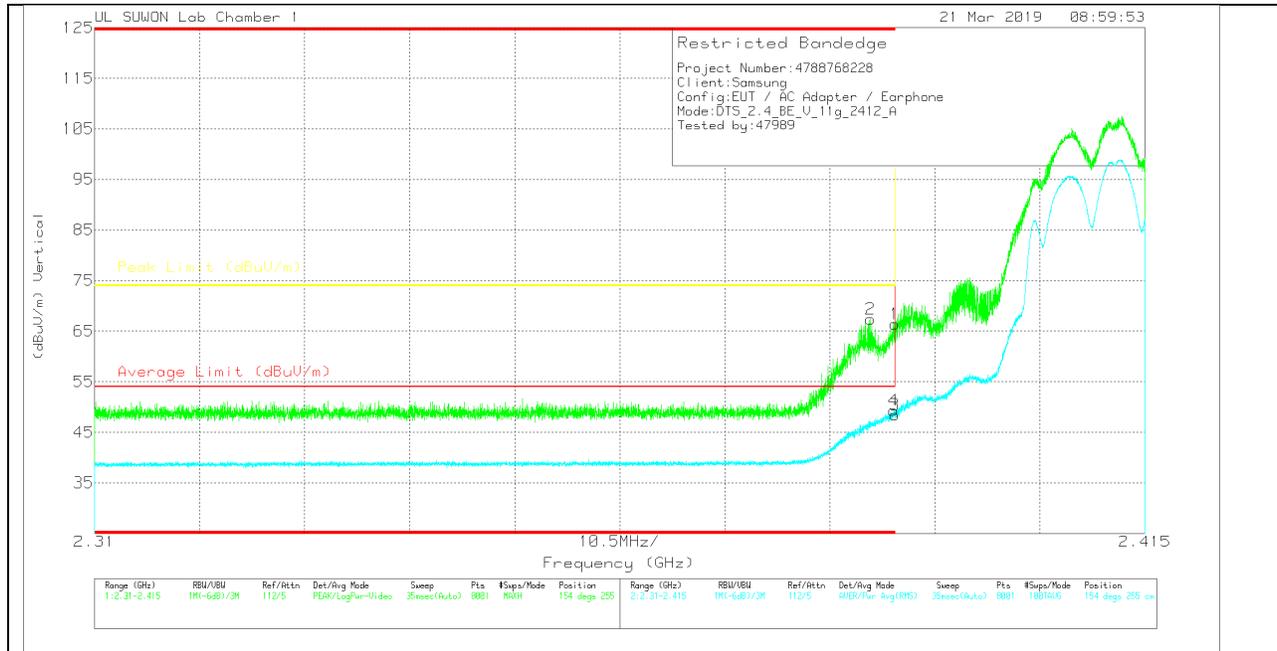
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.13	Pk	31.7	-25.5	0	63.33	-	-	74	-10.67	25	196	H
2	* 2.388	59.09	Pk	31.7	-25.5	0	65.29	-	-	74	-8.71	25	196	H
3	* 2.39	41.3	RMS	31.7	-25.5	0	47.5	54	-6.5	-	-	25	196	H
4	* 2.39	41.84	RMS	31.7	-25.5	0	48.04	54	-5.96	-	-	25	196	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 2.39	60.2	Pk	31.7	-25.5	0	66.4	-	-	74	-7.6	154	255	V
2	* 2.388	61.19	Pk	31.7	-25.5	0	67.39	-	-	74	-6.61	154	255	V
3	* 2.39	42.31	RMS	31.7	-25.5	0	48.51	54	-5.49	-	-	154	255	V
4	* 2.39	43.16	RMS	31.7	-25.5	0	49.36	54	-4.64	-	-	154	255	V

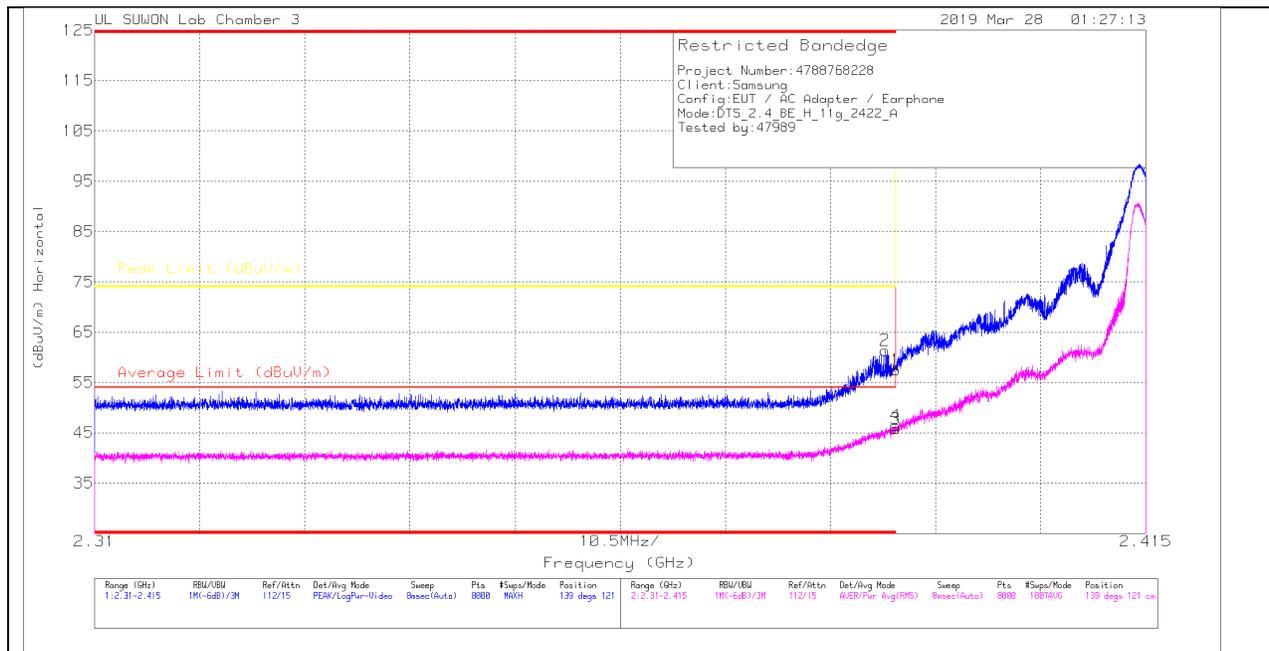
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (3 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



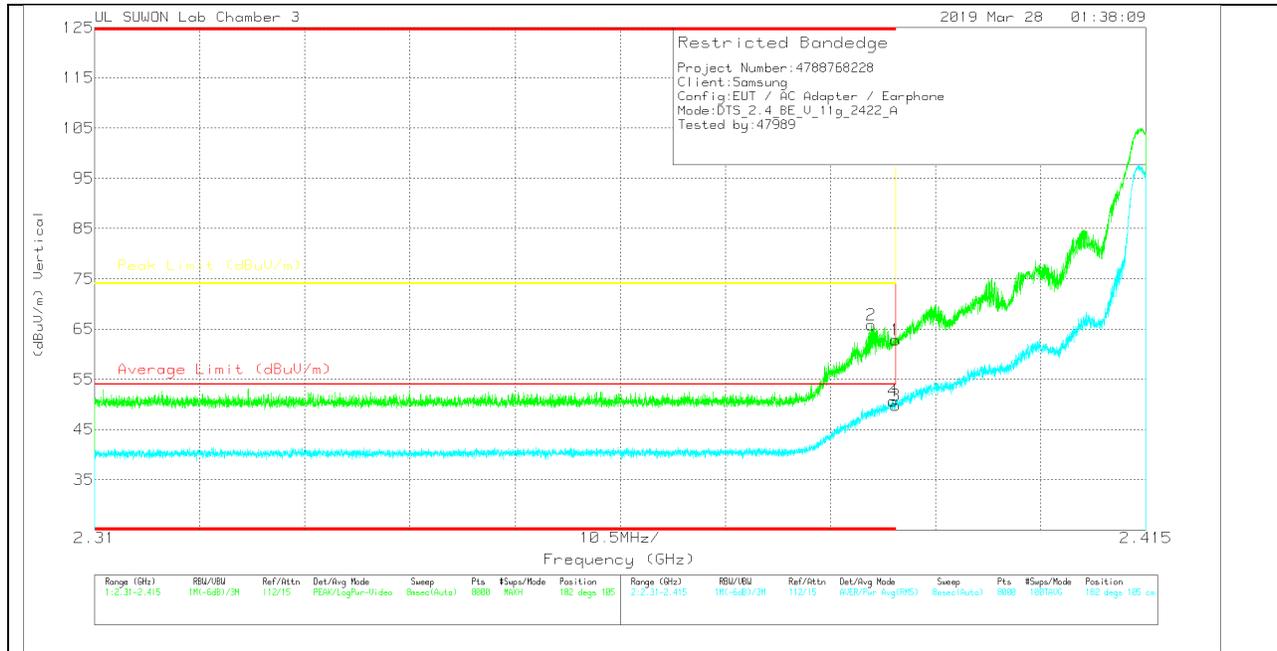
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	49.17	Pk	31.7	-23.4	0	57.47	-	-	74	-16.53	139	121	H
2	* 2.389	53.1	PK	31.7	-23.4	0	61.4	-	-	74	-12.6	139	121	H
3	* 2.39	37.53	RMS	31.7	-23.4	0	45.83	54	-8.17	-	-	139	121	H
4	* 2.39	38.15	RMS	31.7	-23.4	0	46.45	54	-7.55	-	-	139	121	H

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

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	54.56	Pk	31.7	-23.4	0	62.86	-	-	74	-11.14	182	105	V
2	* 2.388	57.53	Pk	31.7	-23.4	0	65.83	-	-	74	-8.17	182	105	V
3	* 2.39	41.48	RMS	31.7	-23.4	0	49.78	54	-4.22	-	-	182	105	V
4	* 2.39	42.32	RMS	31.7	-23.4	0	50.62	54	-3.38	-	-	182	105	V

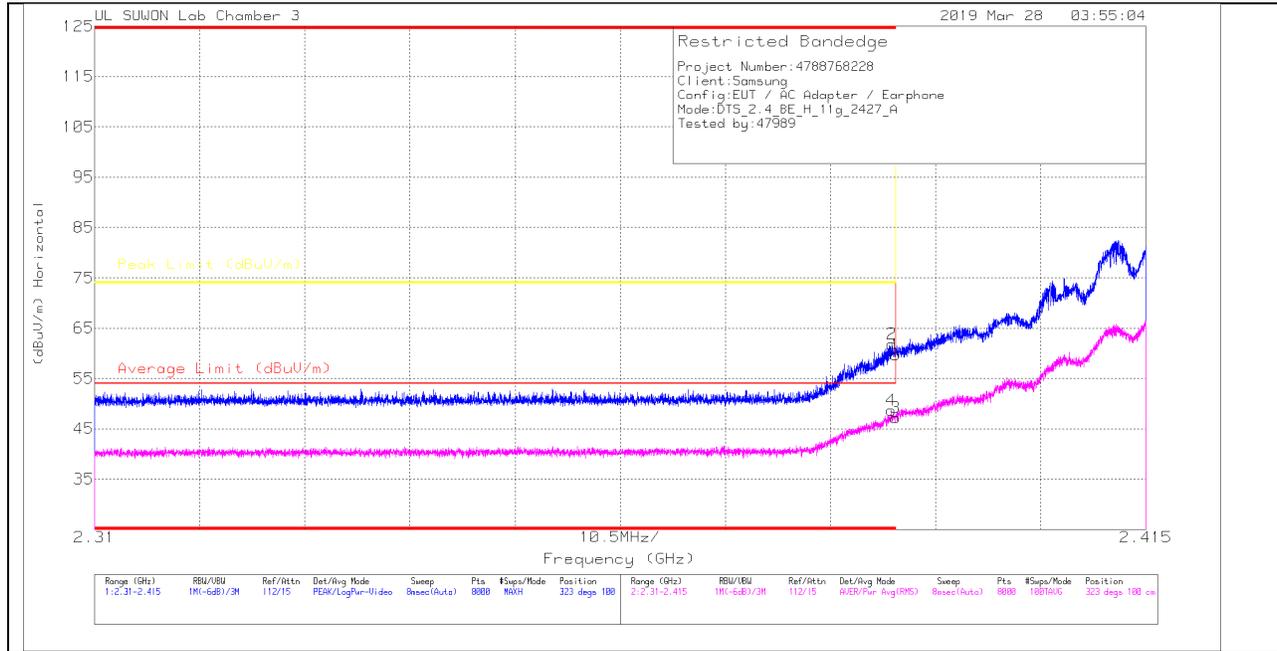
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (4 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

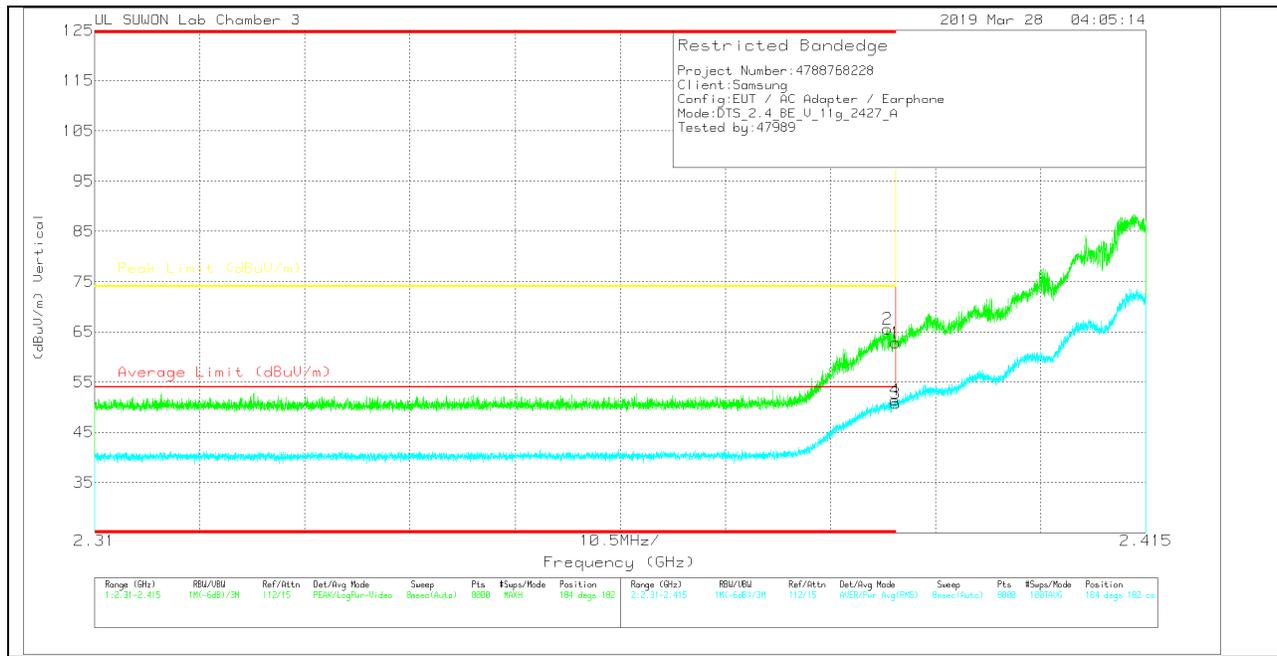
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0020595 9	10dB[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.46	Pk	31.7	-23.4	59.76	-	-	74	-14.24	323	100	H
2	* 2.39	53.58	Pk	31.7	-23.4	61.88	-	-	74	-12.12	323	100	H
3	* 2.39	38.84	RMS	31.7	-23.4	47.14	54	-6.86	-	-	323	100	H
4	* 2.39	40.36	RMS	31.7	-23.4	48.66	54	-5.34	-	-	323	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

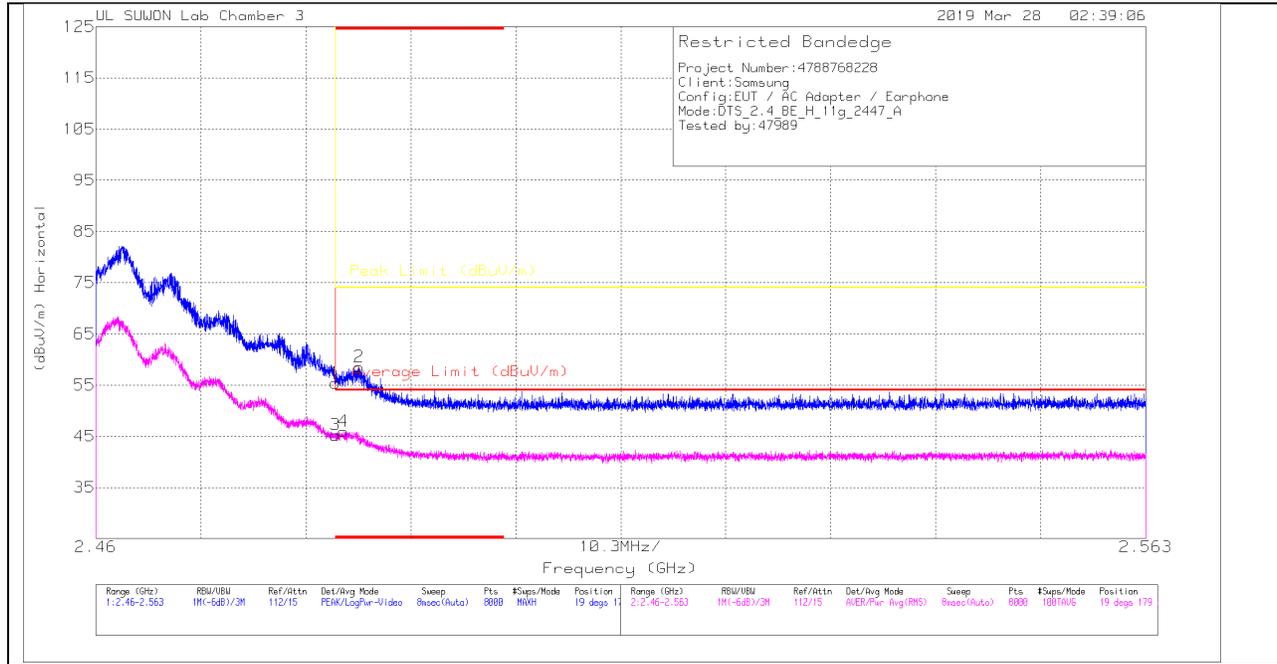
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	54.56	Pk	31.7	-23.4	0	62.86	-	-	74	-11.14	184	182	V
2	* 2.389	57.32	Pk	31.7	-23.4	0	65.62	-	-	74	-8.38	184	182	V
3	* 2.39	42.52	RMS	31.7	-23.4	0	50.82	54	-3.18	-	-	184	182	V
4	* 2.39	43.14	RMS	31.7	-23.4	0	51.44	54	-2.56	-	-	184	182	V

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

BANDEDGE (8 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



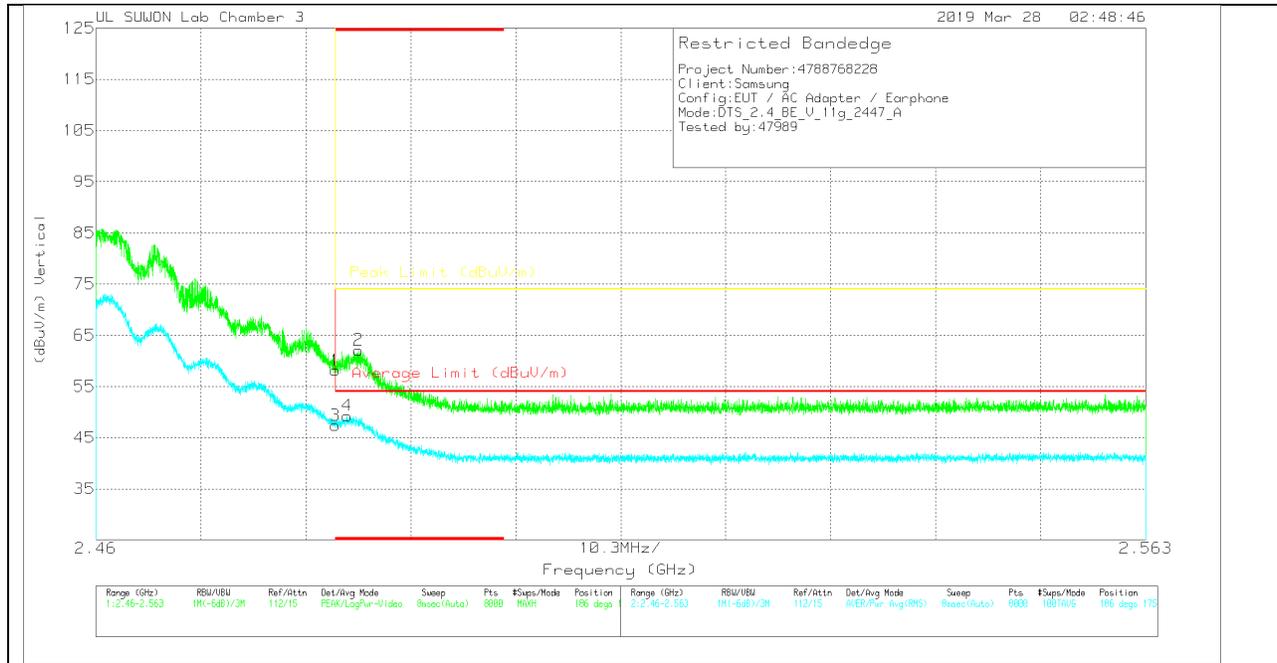
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	46.71	Pk	31.9	-23.2	0	55.41	-	-	74	-18.59	19	179	H
2	* 2.486	49.84	Pk	31.9	-23.2	0	58.54	-	-	74	-15.46	19	179	H
3	* 2.484	36.55	RMS	31.9	-23.2	0	45.25	54	-8.75	-	-	19	179	H
4	* 2.484	37.35	RMS	31.9	-23.3	0	45.95	54	-8.05	-	-	19	179	H

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

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

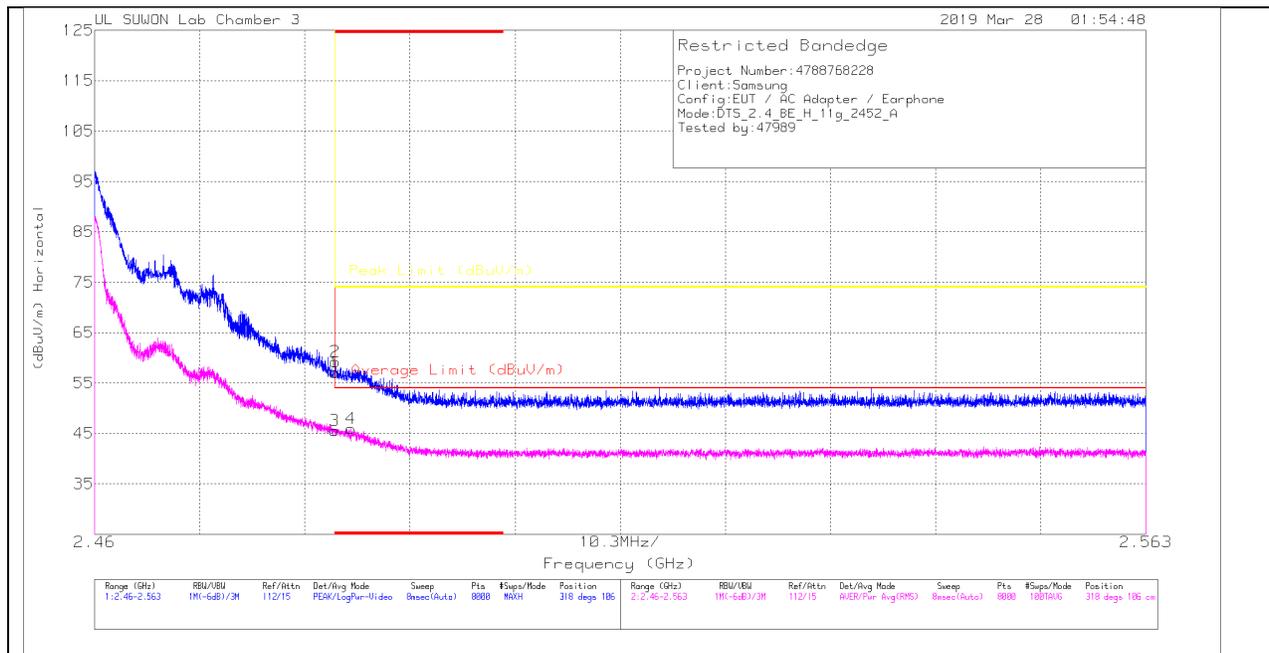
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	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	49.42	Pk	31.9	-23.2	0	58.12	-	-	74	-15.88	186	175	V
2	* 2.486	53.4	Pk	31.9	-23.2	0	62.1	-	-	74	-11.9	186	175	V
3	* 2.484	38.69	RMS	31.9	-23.2	0	47.39	54	-6.61	-	-	186	175	V
4	* 2.485	40.59	RMS	31.9	-23.2	0	49.29	54	-4.71	-	-	186	175	V

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

BANDEDGE (9 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



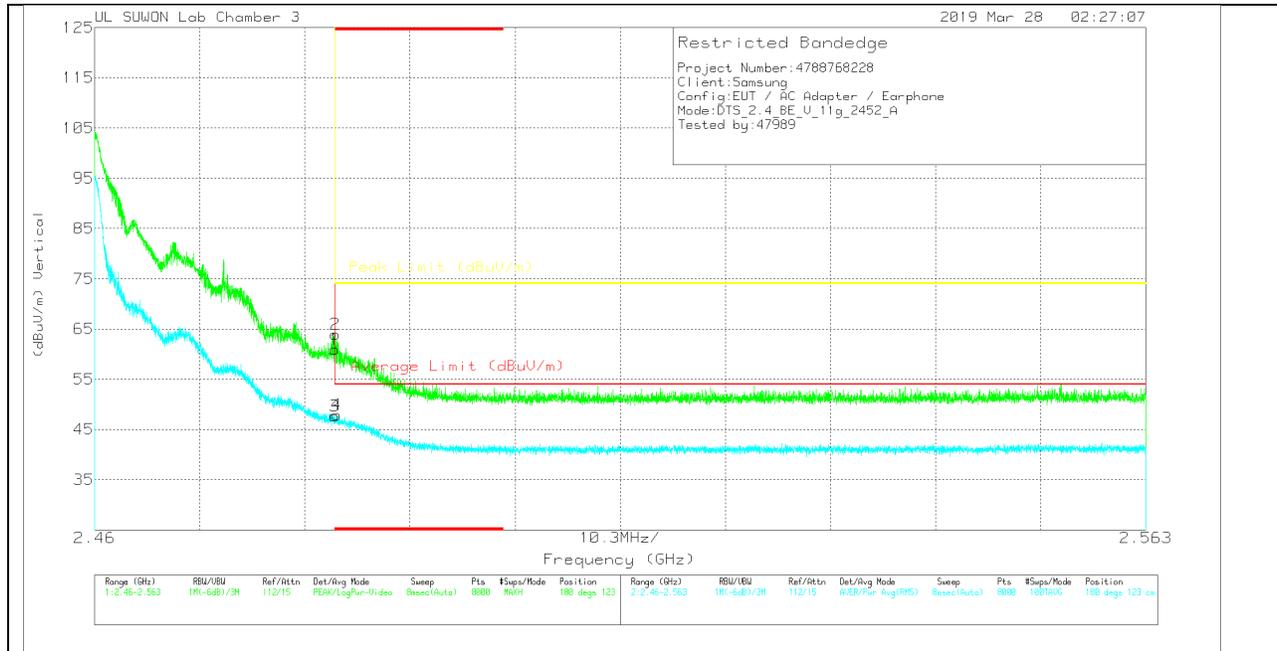
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	48.42	PK	31.9	-23.2	0	57.12	-	-	74	-16.88	318	106	H
2	* 2.484	50.54	PK	31.9	-23.2	0	59.24	-	-	74	-14.76	318	106	H
3	* 2.484	36.91	RMS	31.9	-23.2	0	45.61	54	-8.39	-	-	318	106	H
4	* 2.485	37.2	RMS	31.9	-23.2	0	45.9	54	-8.1	-	-	318	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	3117_00205959	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	52.32	Pk	31.9	-23.2	0	61.02	-	-	74	-12.98	180	123	V
2	* 2.484	55.27	Pk	31.9	-23.2	0	63.97	-	-	74	-10.03	180	123	V
3	* 2.484	38.95	RMS	31.9	-23.2	0	47.65	54	-6.35	-	-	180	123	V
4	* 2.484	39.28	RMS	31.9	-23.3	0	47.88	54	-6.12	-	-	180	123	V

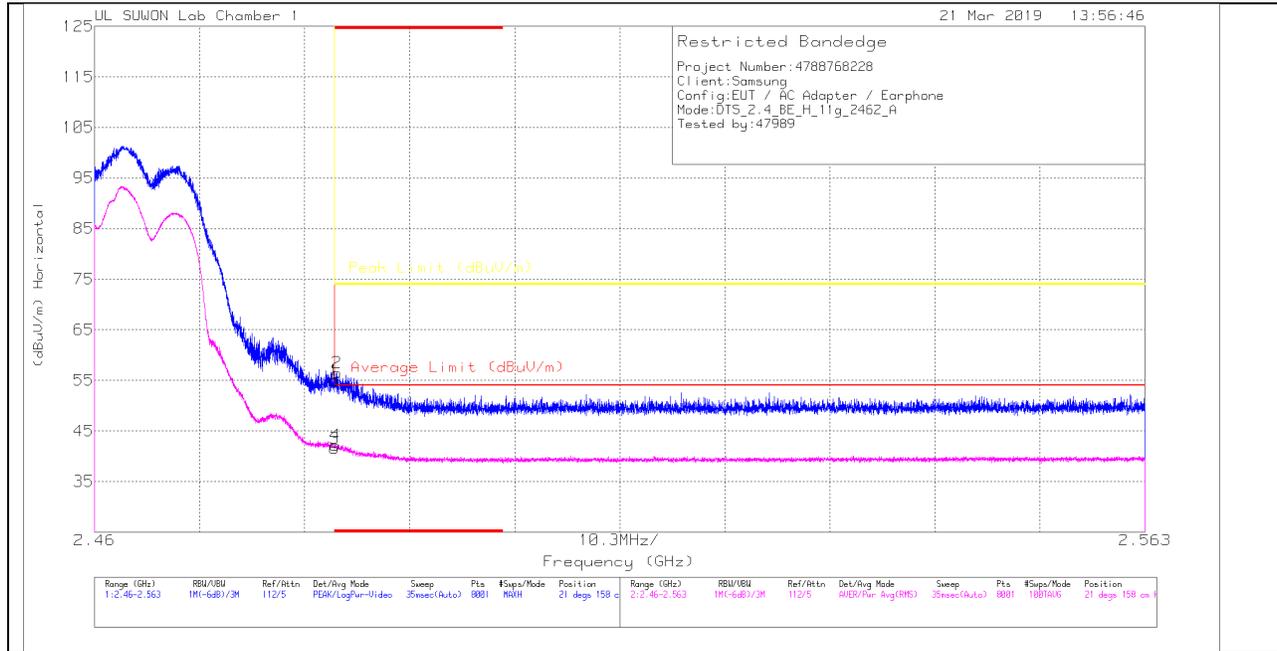
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

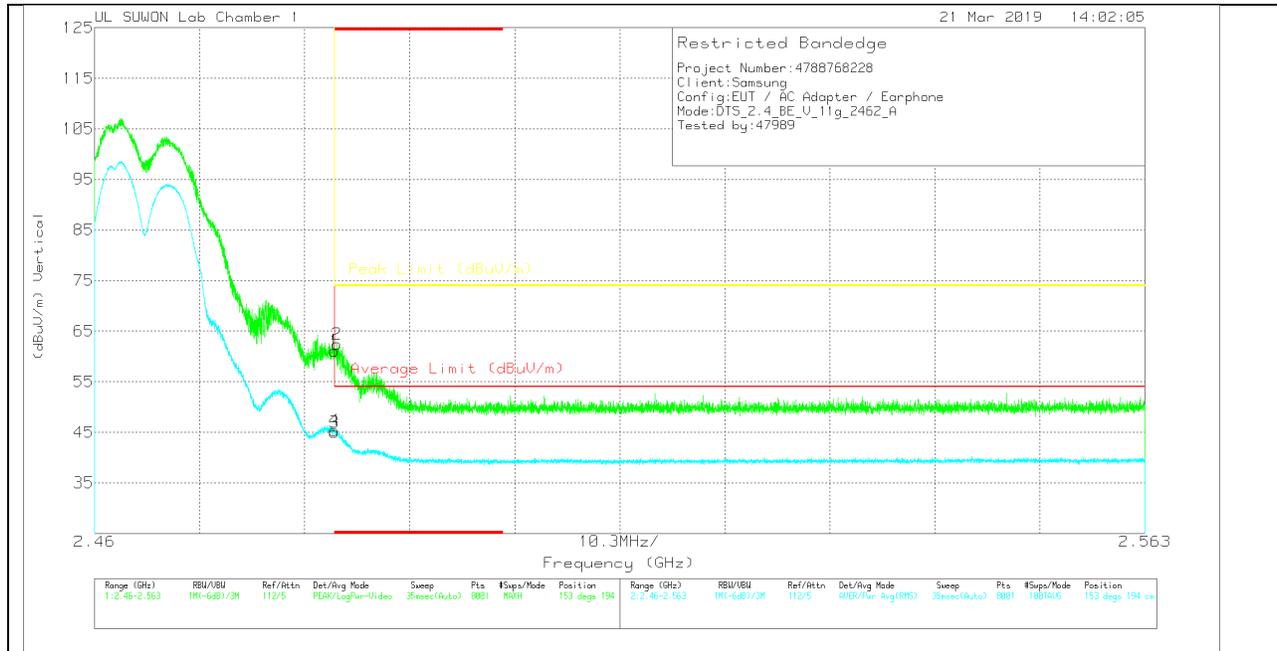
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.46	Pk	31.9	-25.3	0	55.06	-	-	74	-18.94	21	158	H
2	* 2.484	49.88	Pk	31.9	-25.3	0	56.48	-	-	74	-17.52	21	158	H
3	* 2.484	34.92	RMS	31.9	-25.3	0	41.52	54	-12.48	-	-	21	158	H
4	* 2.484	35.59	RMS	31.9	-25.3	0	42.19	54	-11.81	-	-	21	158	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

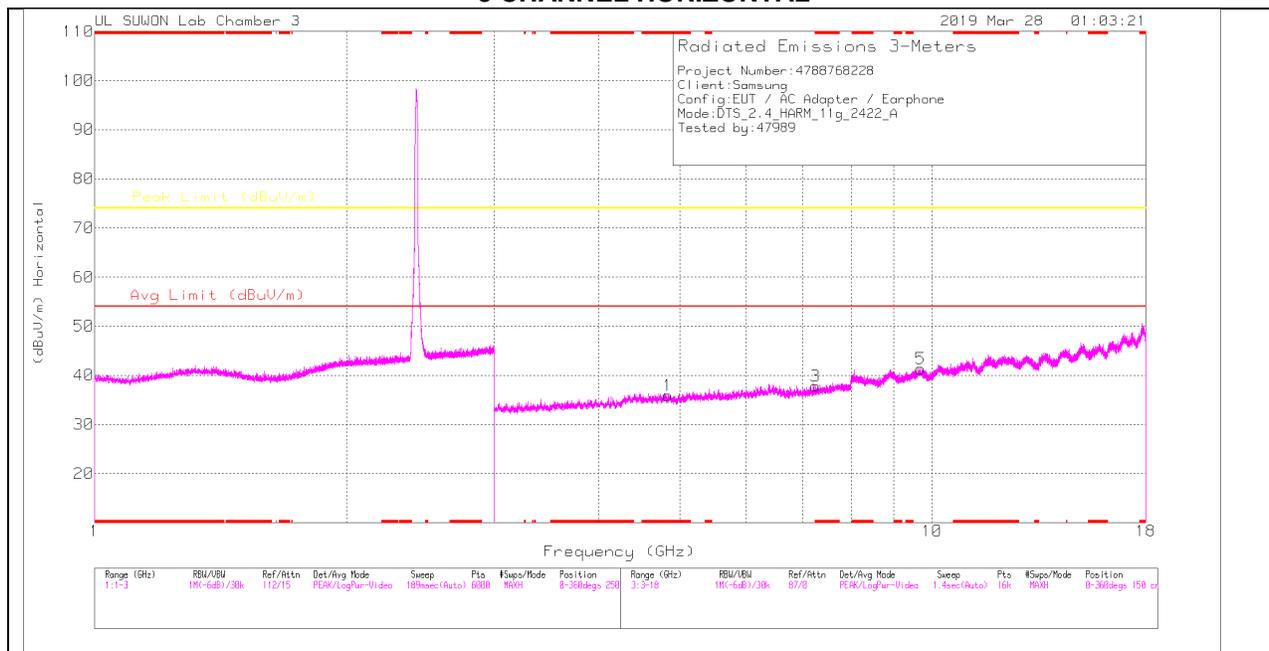
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_D0168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 2.484	54.55	Pk	31.9	-25.3	0	61.15	-	-	74	-12.85	153	194	V
2	* 2.484	55.85	Pk	31.9	-25.3	0	62.45	-	-	74	-11.55	153	194	V
3	* 2.484	38.43	RMS	31.9	-25.3	0	45.03	54	-8.97	-	-	153	194	V
4	* 2.484	38.8	RMS	31.9	-25.3	0	45.4	54	-8.6	-	-	153	194	V

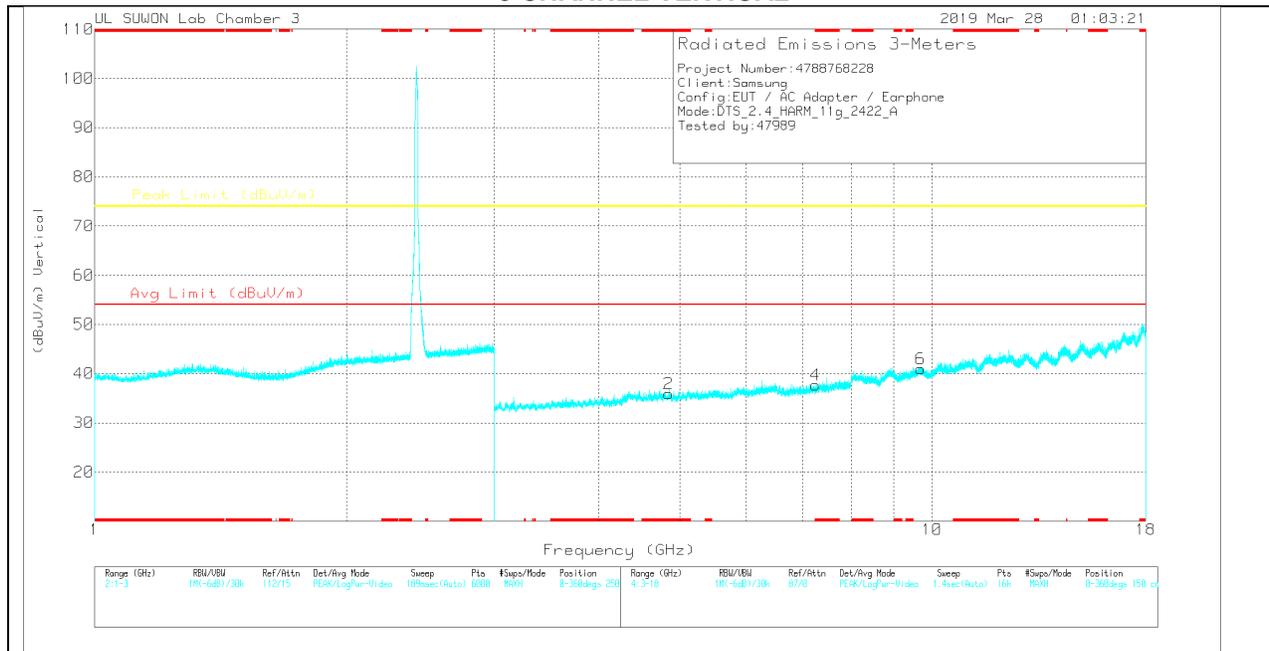
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

3 CHANNEL HORIZONTAL



3 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.

3 CHANNEL DATA

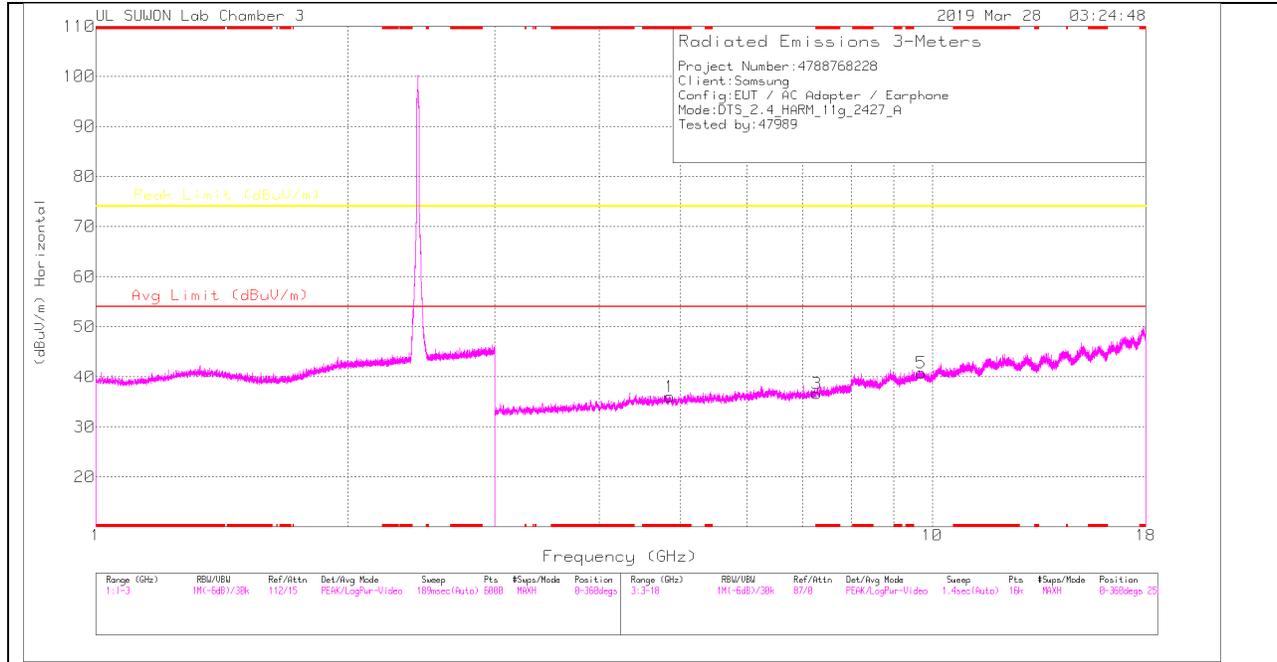
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	* 4.841	30.38	PK	34.2	-28.7	0	35.88	-	-	74	-38.12	0-360	250	H
3	* 7.265	25.99	PK	35.8	-24	0	37.79	-	-	74	-36.21	0-360	250	H
5	9.688	23.88	PK	37.1	-19.6	0	41.38	-	-	74	-32.62	0-360	250	H
2	* 4.848	30.49	PK	34.2	-28.8	0	35.89	-	-	74	-38.11	0-360	250	V
4	* 7.265	25.89	PK	35.8	-24	0	37.69	-	-	74	-36.31	0-360	250	V
6	9.689	23.5	PK	37.1	-19.6	0	41	-	-	74	-33	0-360	250	V

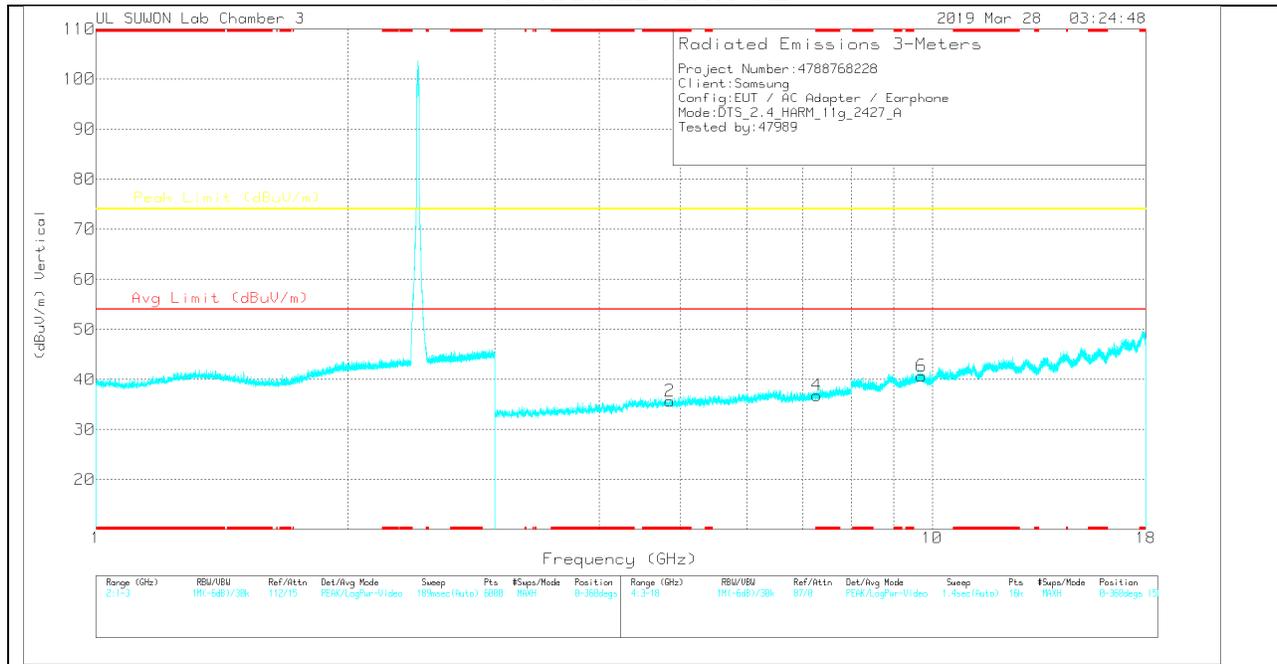
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

4 CHANNEL HORIZONTAL



4 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.

4 CHANNEL DATA

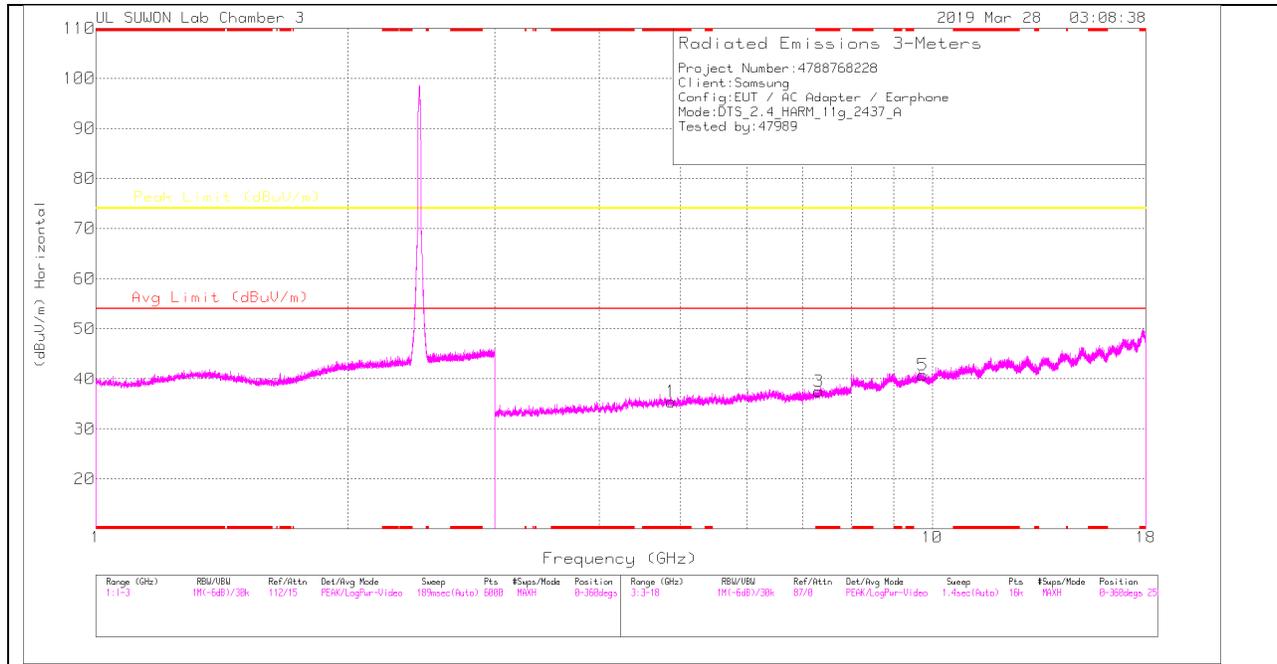
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	* 4.858	30.73	PK	34.2	-28.9	0	36.03	-	-	74	-37.97	0-360	250	H
3	* 7.28	24.86	PK	35.8	-24	0	36.66	-	-	74	-37.34	0-360	250	H
5	9.707	23.07	PK	37.2	-19.5	0	40.77	-	-	74	-33.23	0-360	150	H
2	* 4.855	30.4	PK	34.2	-28.9	0	35.7	-	-	74	-38.3	0-360	150	V
4	* 7.28	25.03	PK	35.8	-24	0	36.83	-	-	74	-37.17	0-360	150	V
6	9.709	22.97	PK	37.2	-19.5	0	40.67	-	-	74	-33.33	0-360	150	V

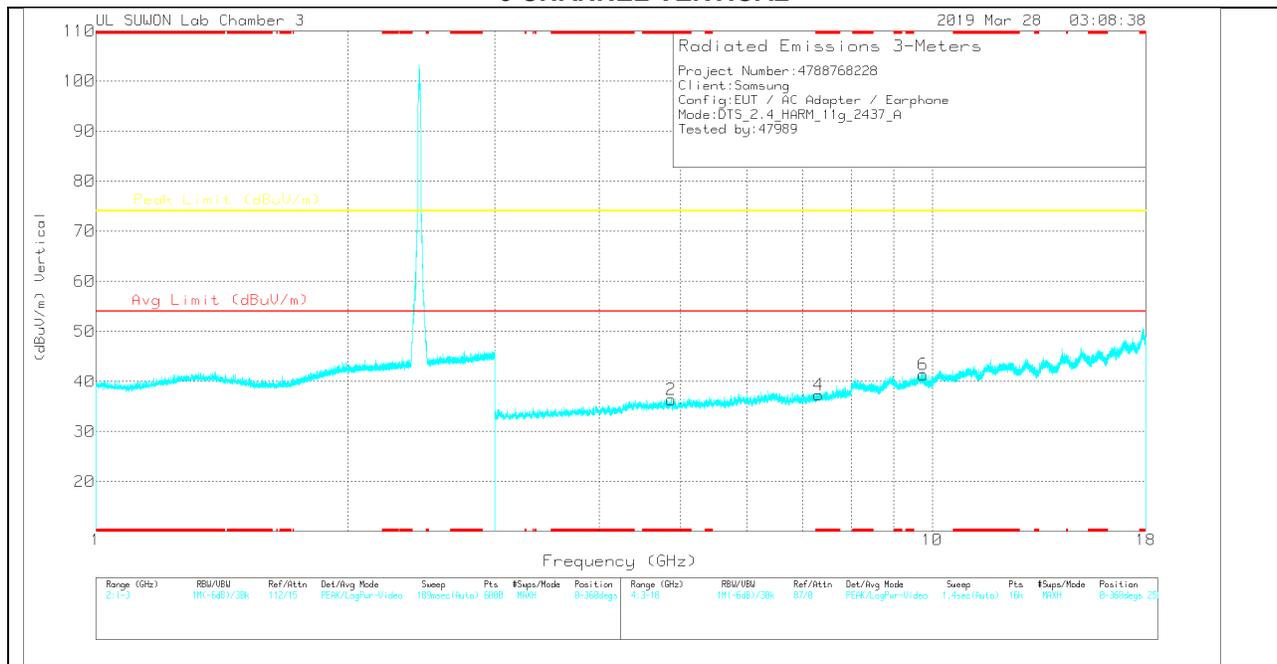
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

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

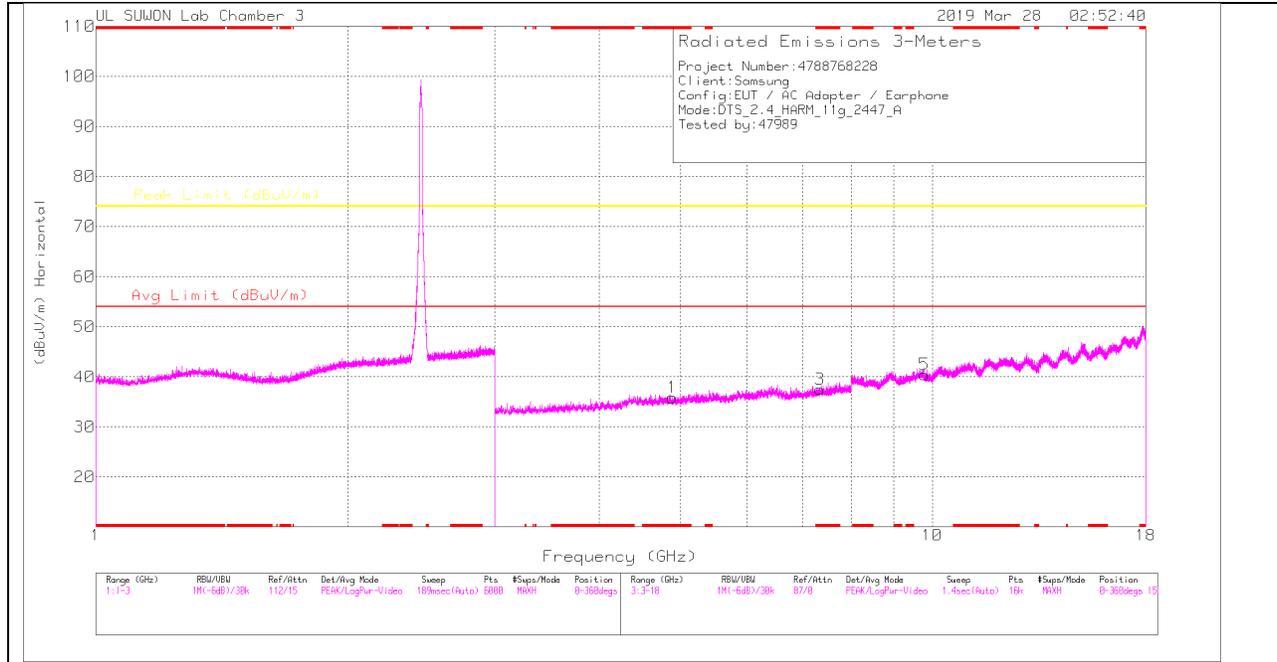
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	30.35	PK	34.2	-29.1	0	35.45	-	-	74	-38.55	0-360	250	H
3	* 7.311	25.61	PK	35.8	-23.9	0	37.51	-	-	74	-36.49	0-360	150	H
5	9.743	23.18	PK	37.2	-19.6	0	40.78	-	-	74	-33.22	0-360	250	H
2	* 4.873	31.26	PK	34.2	-29.1	0	36.36	-	-	74	-37.64	0-360	150	V
4	* 7.311	25.4	PK	35.8	-23.9	0	37.3	-	-	74	-36.7	0-360	150	V
6	9.75	23.75	PK	37.2	-19.6	0	41.35	-	-	74	-32.65	0-360	250	V

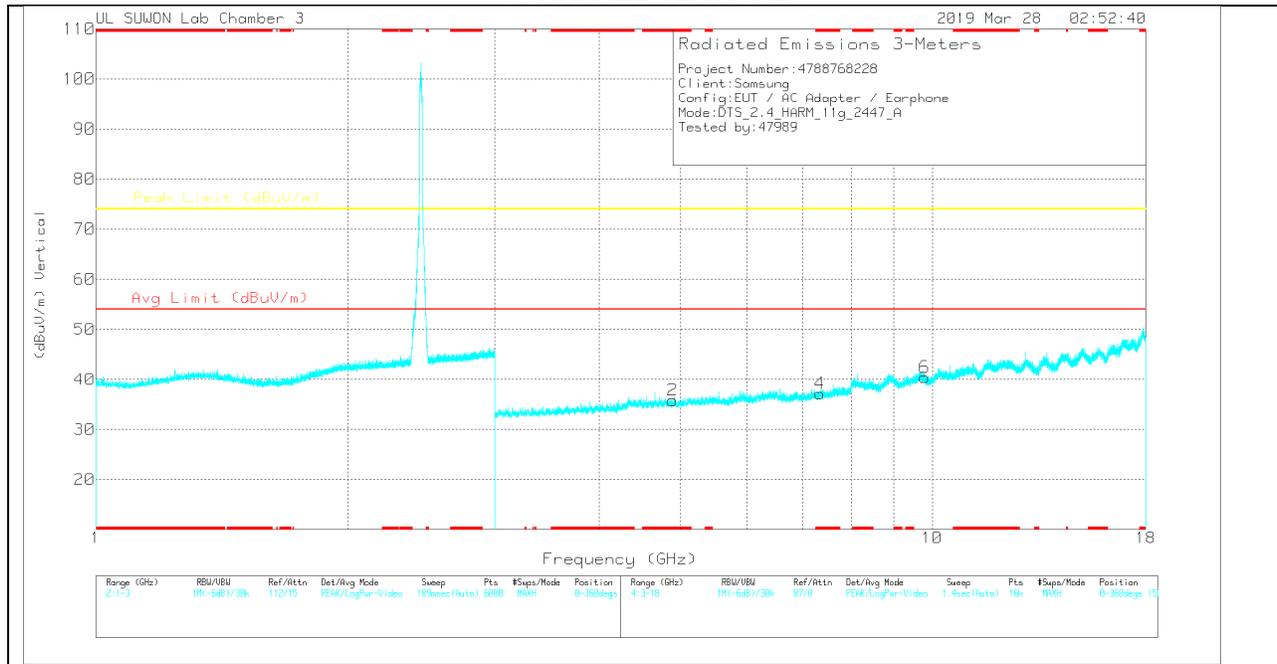
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

8 CHANNEL HORIZONTAL



8 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.

8 CHANNEL DATA

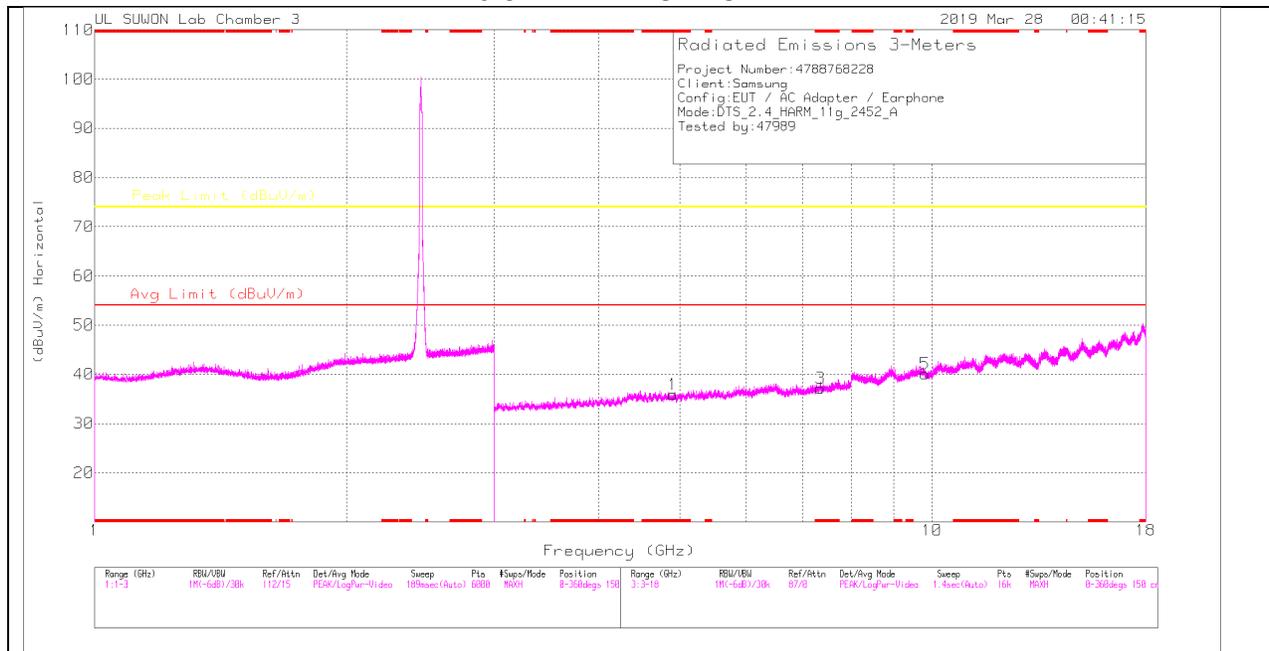
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	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	* 4.887	30.86	PK	34.2	-29.2	0	35.86	-	-	74	-38.14	0-360	150	H
3	* 7.34	25.13	PK	35.8	-23.4	0	37.53	-	-	74	-36.47	0-360	250	H
5	9.792	22.84	PK	37.3	-19.7	0	40.44	-	-	74	-33.56	0-360	150	H
2	* 4.894	30.95	PK	34.2	-29.3	0	35.85	-	-	74	-38.15	0-360	150	V
4	* 7.34	24.79	PK	35.8	-23.4	0	37.19	-	-	74	-36.81	0-360	150	V
6	9.793	22.82	PK	37.3	-19.7	0	40.42	-	-	74	-33.58	0-360	250	V

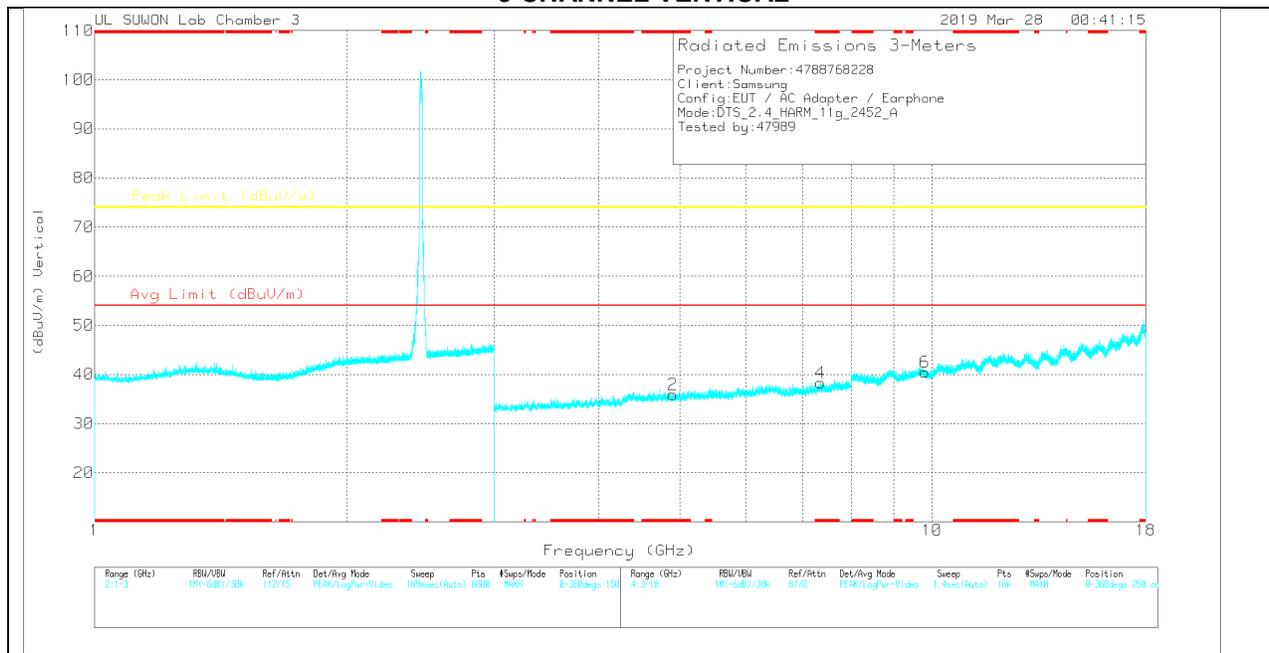
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

9 CHANNEL HORIZONTAL



9 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.

9 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	* 4.904	30.96	PK	34.2	-29.2	0	35.96	-	-	74	-38.04	0-360	150	H
3	* 7.356	24.68	PK	35.8	-23.3	0	37.18	-	-	74	-36.82	0-360	150	H
5	9.809	22.54	PK	37.3	-19.7	0	40.14	-	-	74	-33.86	0-360	250	H
2	* 4.903	30.93	PK	34.2	-29.2	0	35.93	-	-	74	-38.07	0-360	250	V
4	* 7.356	25.84	PK	35.8	-23.3	0	38.34	-	-	74	-35.66	0-360	250	V
6	9.808	22.89	PK	37.3	-19.7	0	40.49	-	-	74	-33.51	0-360	250	V

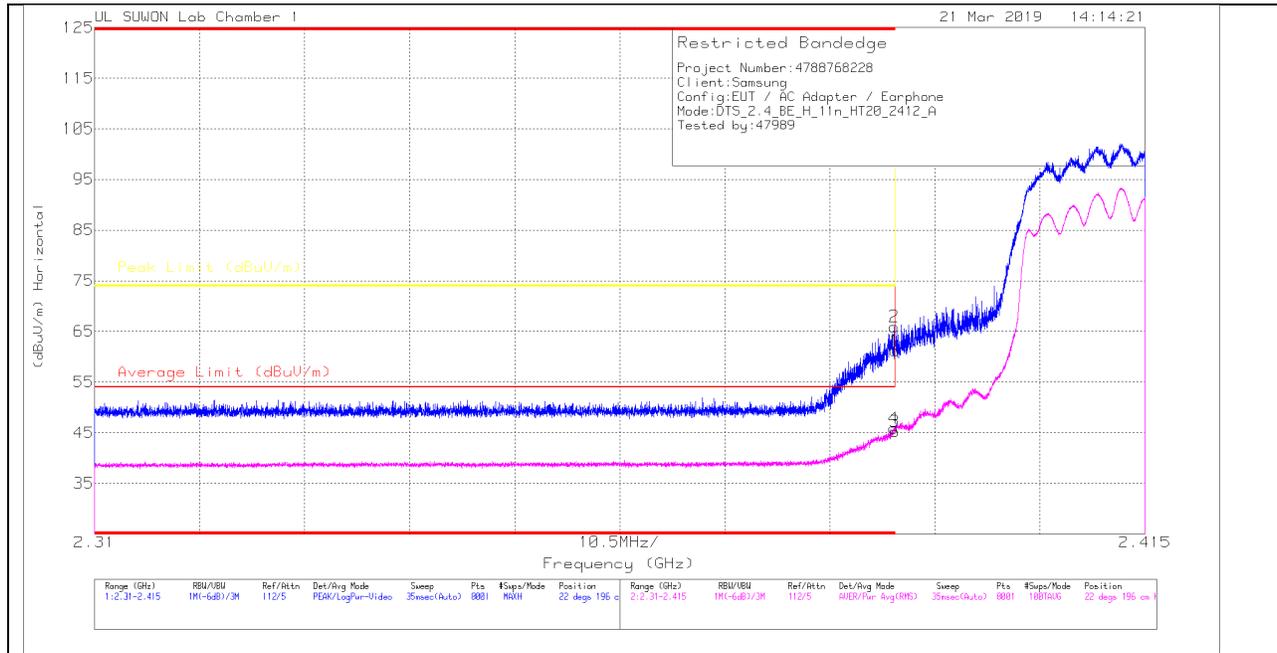
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

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

BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

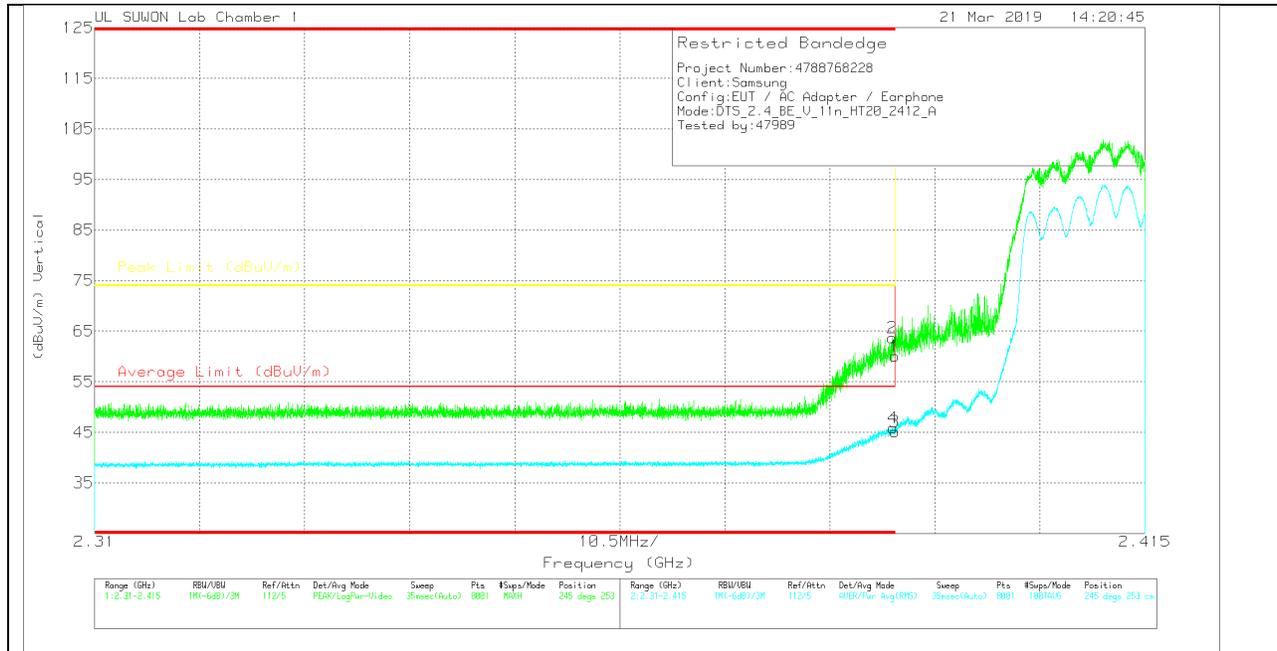
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	54.97	Pk	31.7	-25.5	0	61.17	-	-	74	-12.83	22	196	H
2	* 2.39	59.77	Pk	31.7	-25.5	0	65.97	-	-	74	-8.03	22	196	H
3	* 2.39	38.97	RMS	31.7	-25.5	.09	45.26	54	-8.74	-	-	22	196	H
4	* 2.39	39.64	RMS	31.7	-25.5	.09	45.93	54	-8.07	-	-	22	196	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.94	Pk	31.7	-25.5	0	60.14	-	-	74	-13.86	245	253	V
2	* 2.39	57.53	Pk	31.7	-25.5	0	63.73	-	-	74	-10.27	245	253	V
3	* 2.39	38.86	RMS	31.7	-25.5	.09	45.15	54	-8.85	-	-	245	253	V
4	* 2.39	39.53	RMS	31.7	-25.5	.09	45.82	54	-8.18	-	-	245	253	V

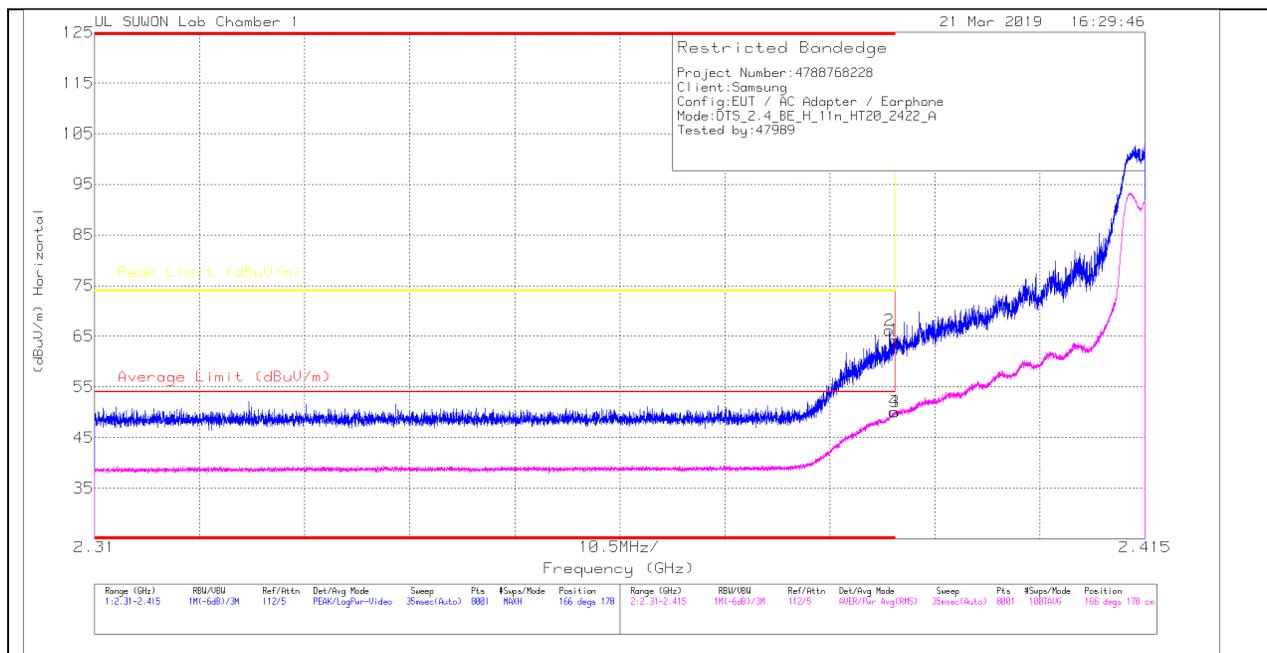
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (3 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

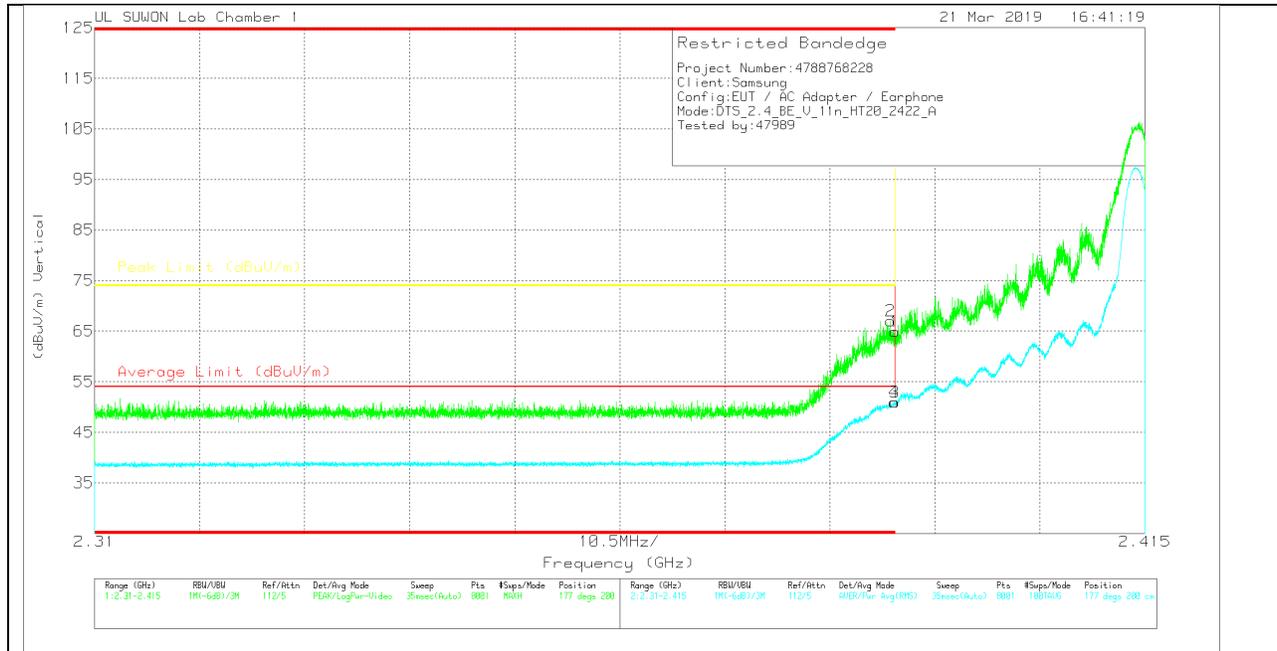
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Aimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.04	Pk	31.7	-25.5	0	64.24	-	-	74	-9.76	166	178	H
2	* 2.389	59.93	Pk	31.7	-25.5	0	66.13	-	-	74	-7.87	166	178	H
3	* 2.39	43.76	RMS	31.7	-25.5	.09	50.05	54	-3.95	-	-	166	178	H
4	* 2.39	43.85	RMS	31.7	-25.5	.09	50.14	54	-3.86	-	-	166	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

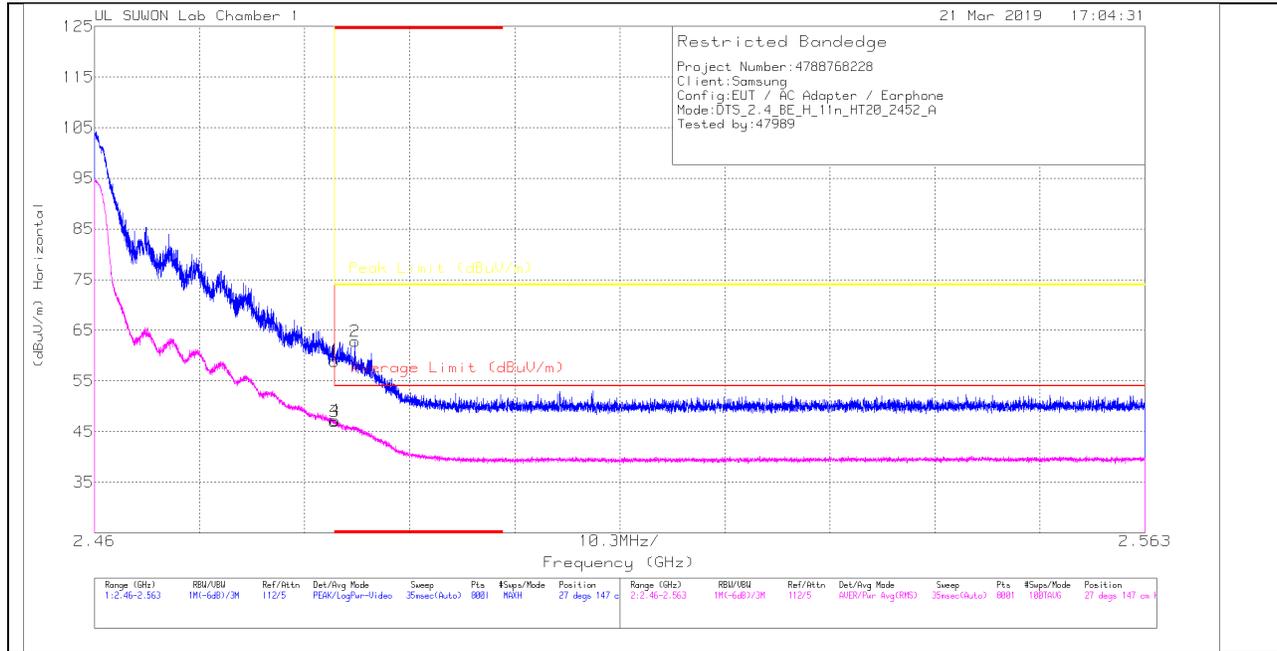
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.76	Pk	31.7	-25.5	0	64.96	-	-	74	-9.04	177	200	V
2	* 2.39	60.88	Pk	31.7	-25.5	0	67.08	-	-	74	-6.92	177	200	V
3	* 2.39	44.67	RMS	31.7	-25.5	.09	50.96	54	-3.04	-	-	177	200	V
4	* 2.39	44.61	RMS	31.7	-25.5	.09	50.9	54	-3.1	-	-	177	200	V

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

BANEDGE (9 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

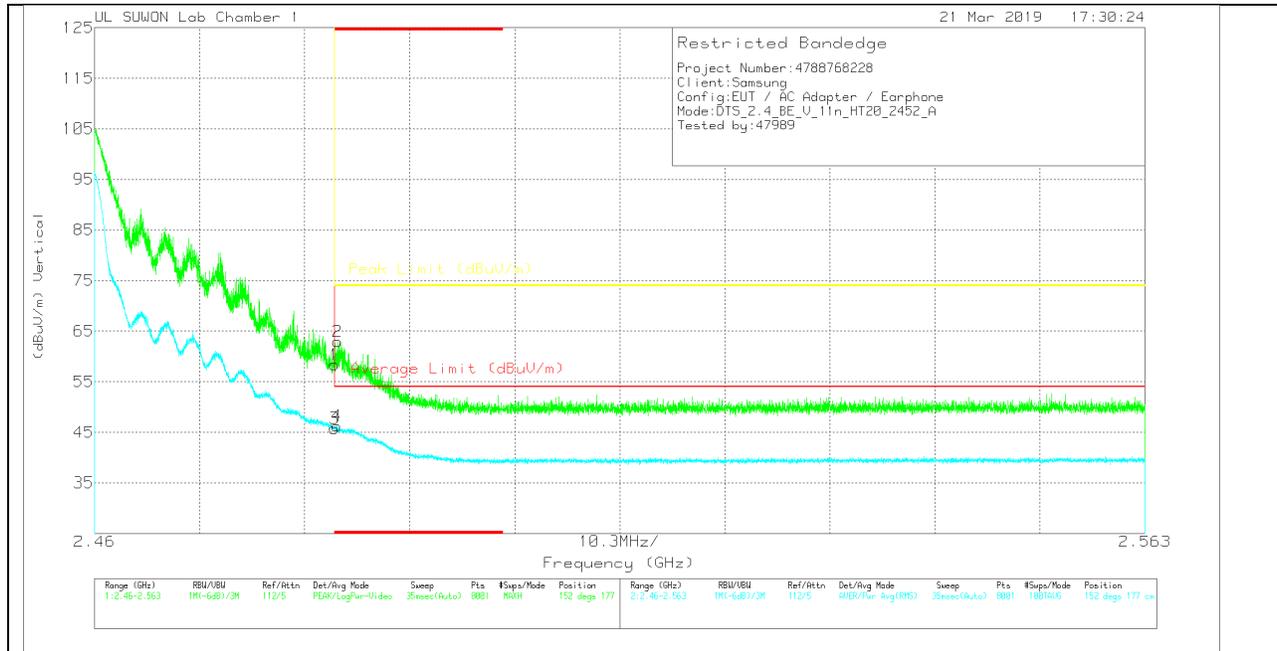
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Aimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.26	Pk	31.9	-25.3	0	58.86	-	-	74	-15.14	27	147	H
2	* 2.486	56.17	Pk	31.9	-25.3	0	62.77	-	-	74	-11.23	27	147	H
3	* 2.484	40.25	RMS	31.9	-25.3	.09	46.94	54	-7.06	-	-	27	147	H
4	* 2.484	40.5	RMS	31.9	-25.3	.09	47.19	54	-6.81	-	-	27	147	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.81	Pk	31.9	-25.3	0	58.41	-	-	74	-15.59	152	177	V
2	* 2.484	56.35	Pk	31.9	-25.3	0	62.95	-	-	74	-11.05	152	177	V
3	* 2.484	39.12	RMS	31.9	-25.3	.09	45.81	54	-8.19	-	-	152	177	V
4	* 2.484	39.53	RMS	31.9	-25.3	.09	46.22	54	-7.78	-	-	152	177	V

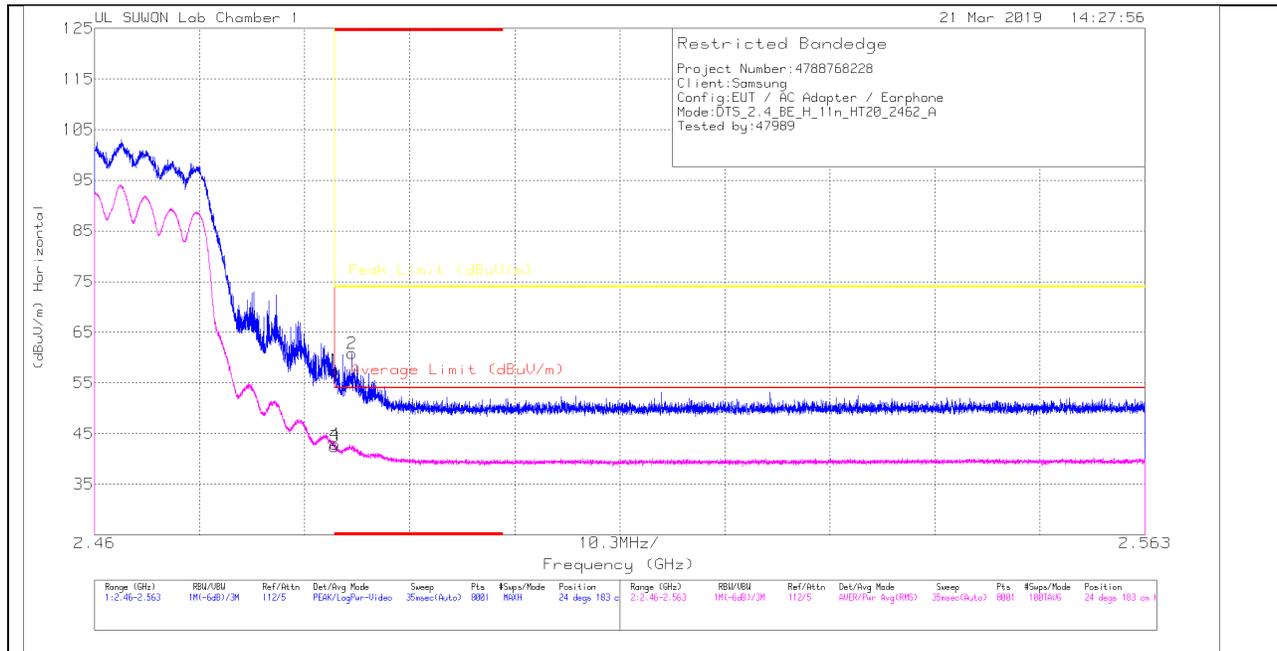
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

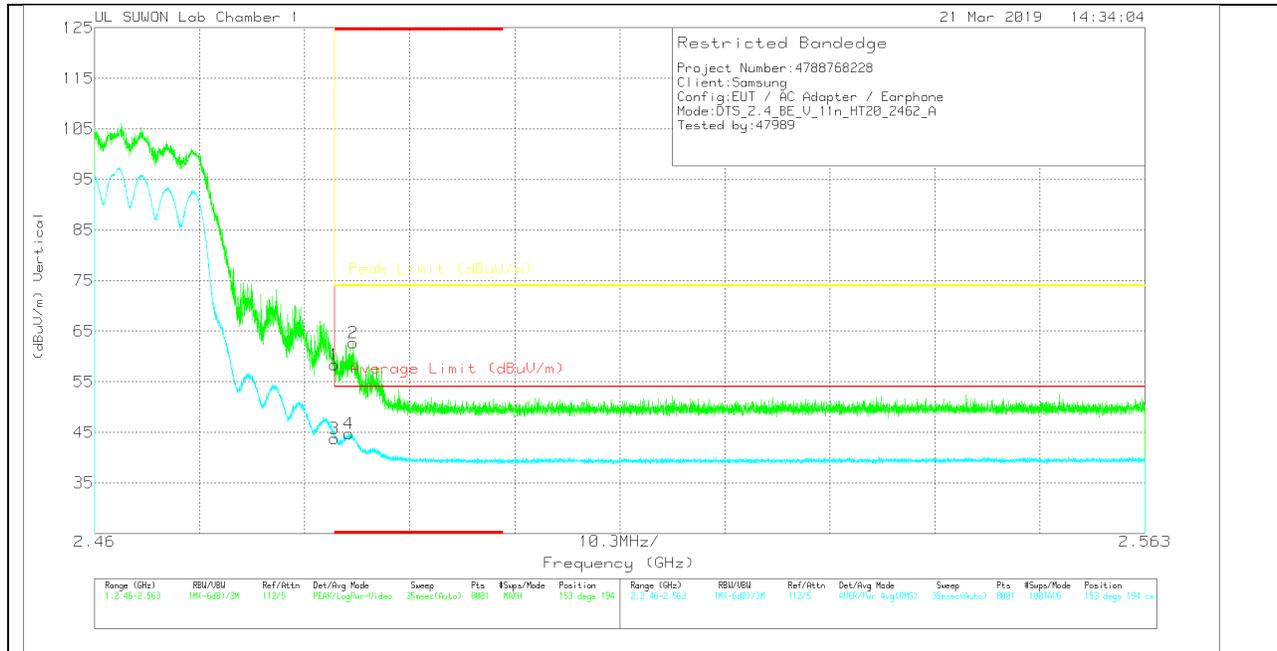
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1	* 2.484	50.84	Pk	31.9	-25.3	0	57.44	-	-	74	-16.56	24	183	H
2	* 2.485	54.27	Pk	31.9	-25.3	0	60.87	-	-	74	-13.13	24	183	H
3	* 2.484	35.7	RMS	31.9	-25.3	.09	42.39	54	-11.61	-	-	24	183	H
4	* 2.484	36.18	RMS	31.9	-25.3	.09	42.87	54	-11.13	-	-	24	183	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.82	Pk	31.9	-25.3	0	58.42	-	-	74	-15.58	153	194	V
2	* 2.485	56.1	Pk	31.9	-25.3	0	62.7	-	-	74	-11.3	153	194	V
3	* 2.484	37.1	RMS	31.9	-25.3	.09	43.79	54	-10.21	-	-	153	194	V
4	* 2.485	38.03	RMS	31.9	-25.3	.09	44.72	54	-9.28	-	-	153	194	V

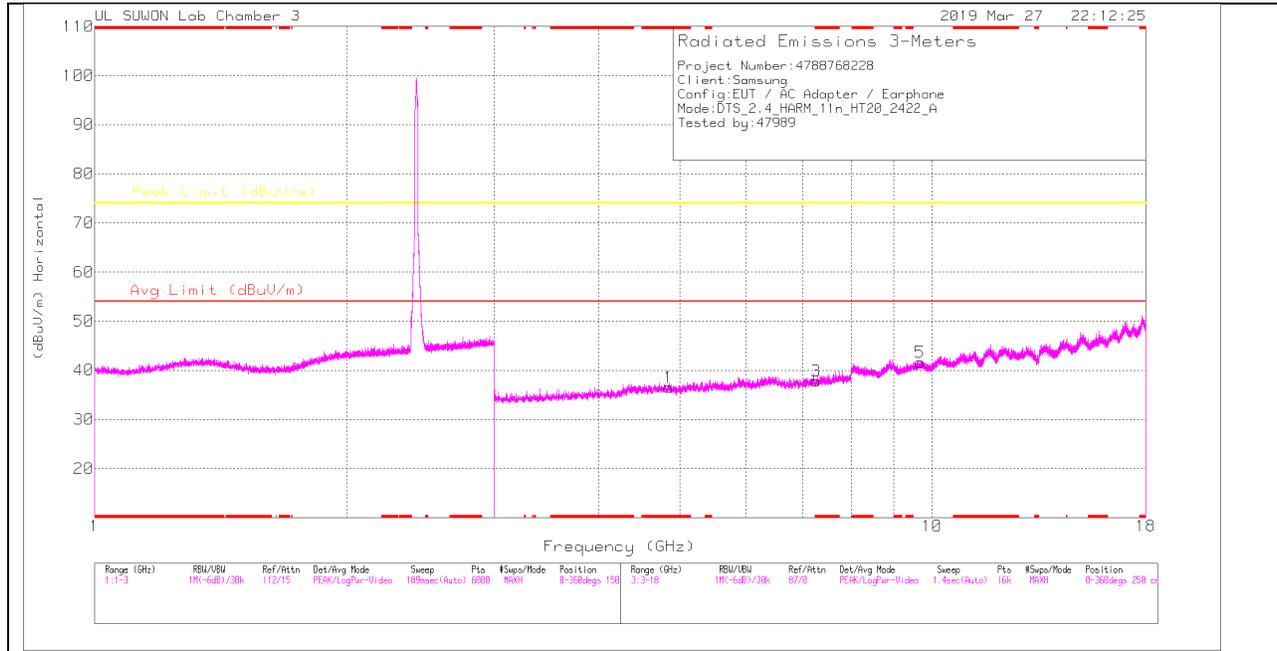
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

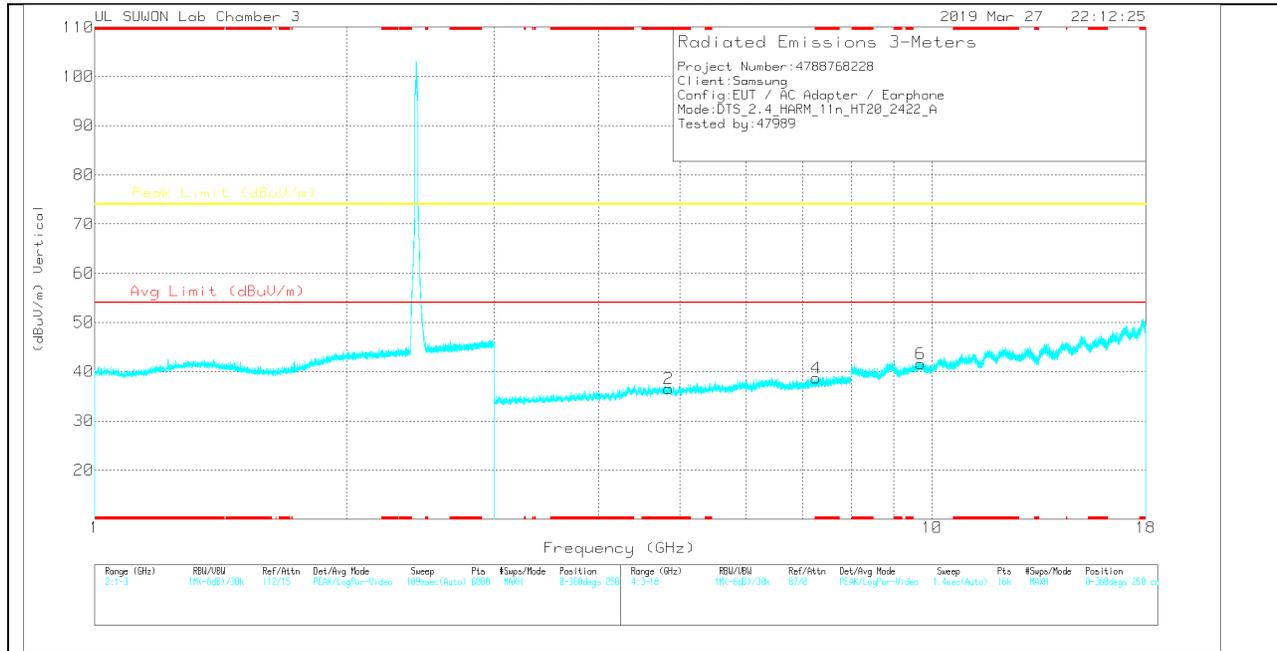
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

3 CHANNEL HORIZONTAL



3 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.

3 CHANNEL DATA

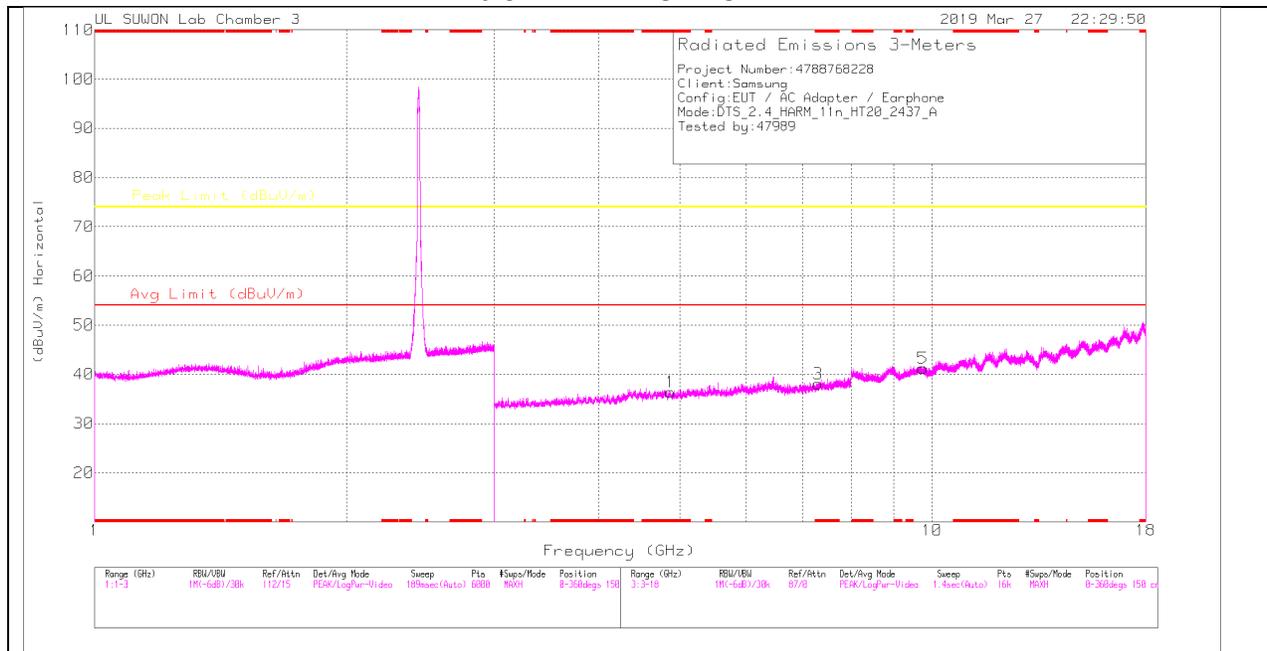
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	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	* 4.844	31.06	PK	34.2	-28.7	0	36.56	-	-	74	-37.44	0-360	150	H
3	* 7.268	25.9	PK	35.8	-23.9	0	37.8	-	-	74	-36.2	0-360	250	H
5	9.681	24.13	PK	37.1	-19.6	0	41.63	-	-	74	-32.37	0-360	150	H
2	* 4.844	31.09	PK	34.2	-28.7	0	36.59	-	-	74	-37.41	0-360	250	V
4	* 7.268	26.76	PK	35.8	-23.9	0	38.66	-	-	74	-35.34	0-360	250	V
6	9.689	24.1	PK	37.1	-19.6	0	41.6	-	-	74	-32.4	0-360	250	V

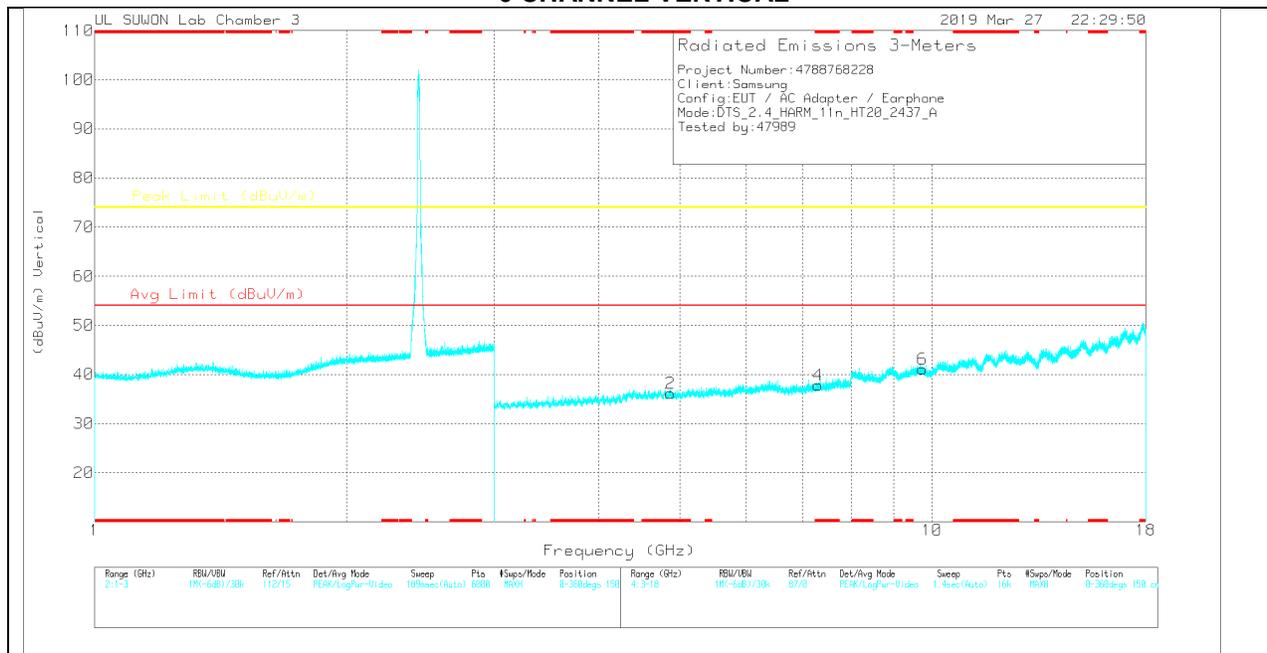
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

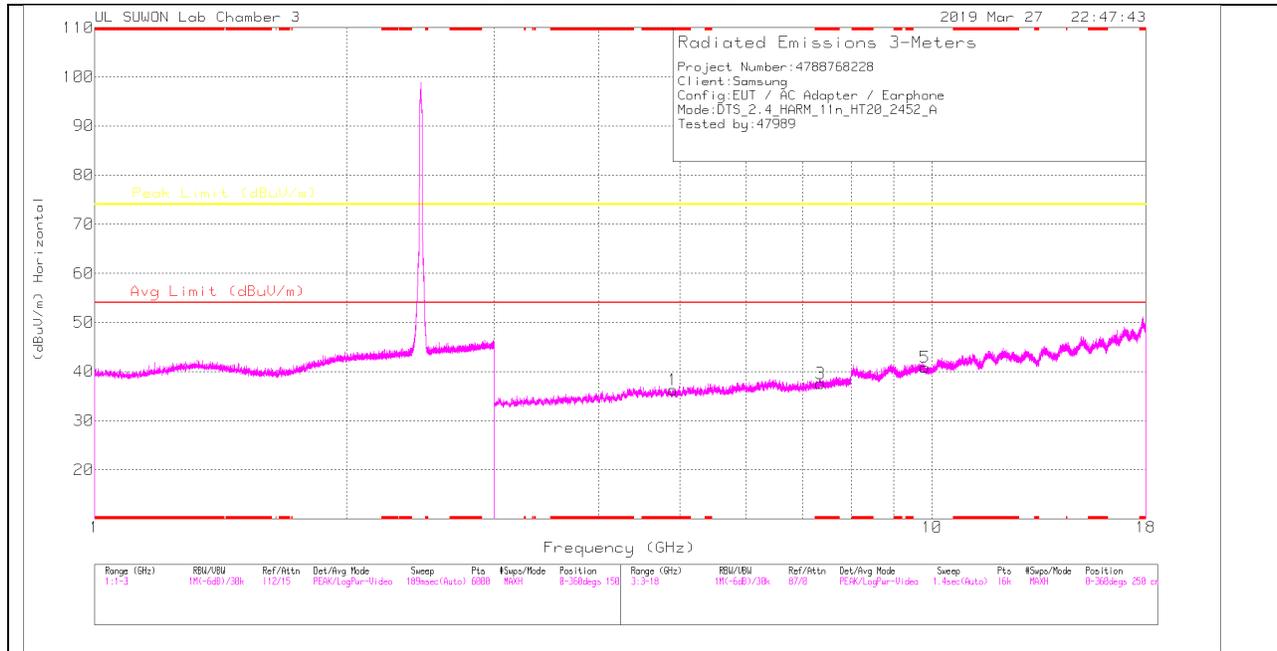
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.874	31.23	PK	34.2	-29	0	36.43	-	-	74	-37.57	0-360	150	H
3	* 7.311	26.11	PK	35.8	-23.9	0	38.01	-	-	74	-35.99	0-360	150	H
5	9.749	23.68	PK	37.2	-19.6	0	41.28	-	-	74	-32.72	0-360	250	H
2	* 4.875	31.02	PK	34.2	-29.1	0	36.12	-	-	74	-37.88	0-360	150	V
4	* 7.307	25.85	PK	35.8	-23.8	0	37.85	-	-	74	-36.15	0-360	150	V
6	9.745	23.55	PK	37.2	-19.6	0	41.15	-	-	74	-32.85	0-360	150	V

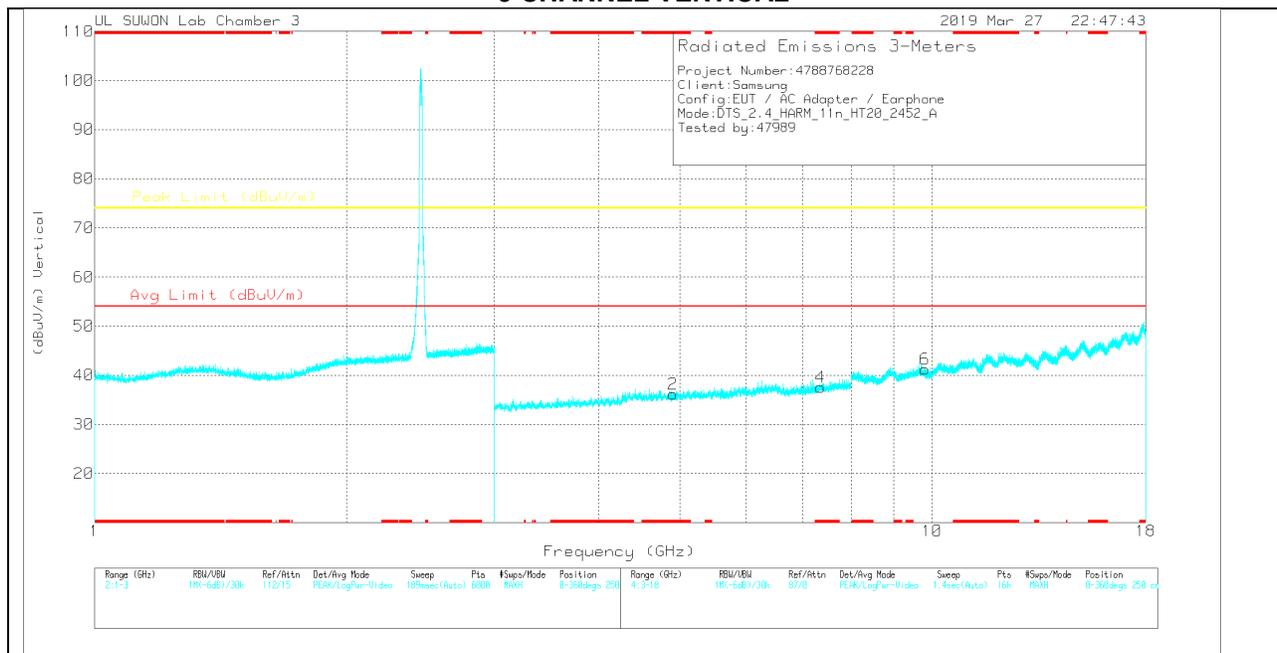
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

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

9 CHANNEL HORIZONTAL



9 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.

9 CHANNEL DATA

Trace Markers

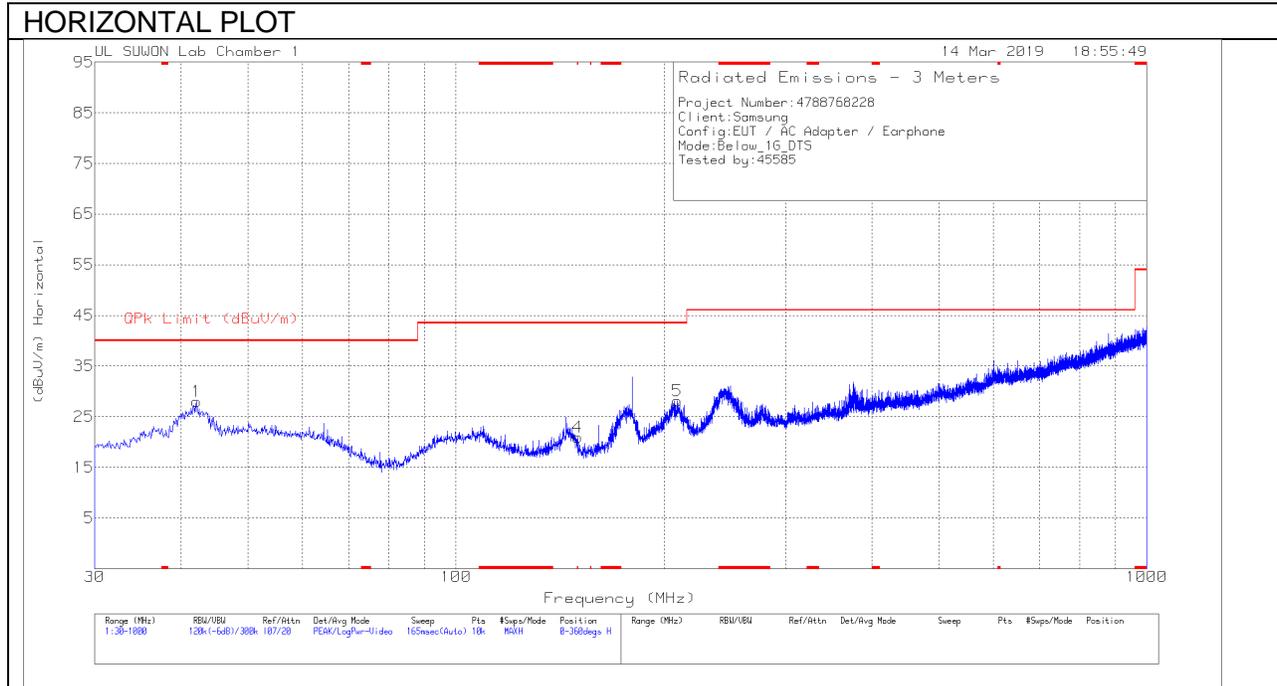
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.904	31.23	PK	34.2	-29.2	0	36.23	-	-	74	-37.77	0-360	150	H
3	* 7.358	25.01	PK	35.8	-23.3	0	37.51	-	-	74	-36.49	0-360	250	H
5	9.809	23.25	PK	37.3	-19.7	0	40.85	-	-	74	-33.15	0-360	150	H
2	* 4.905	31.21	PK	34.2	-29.2	0	36.21	-	-	74	-37.79	0-360	250	V
4	* 7.354	25.1	PK	35.8	-23.3	0	37.6	-	-	74	-36.4	0-360	150	V
6	9.809	23.6	PK	37.3	-19.7	0	41.2	-	-	74	-32.8	0-360	150	V

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

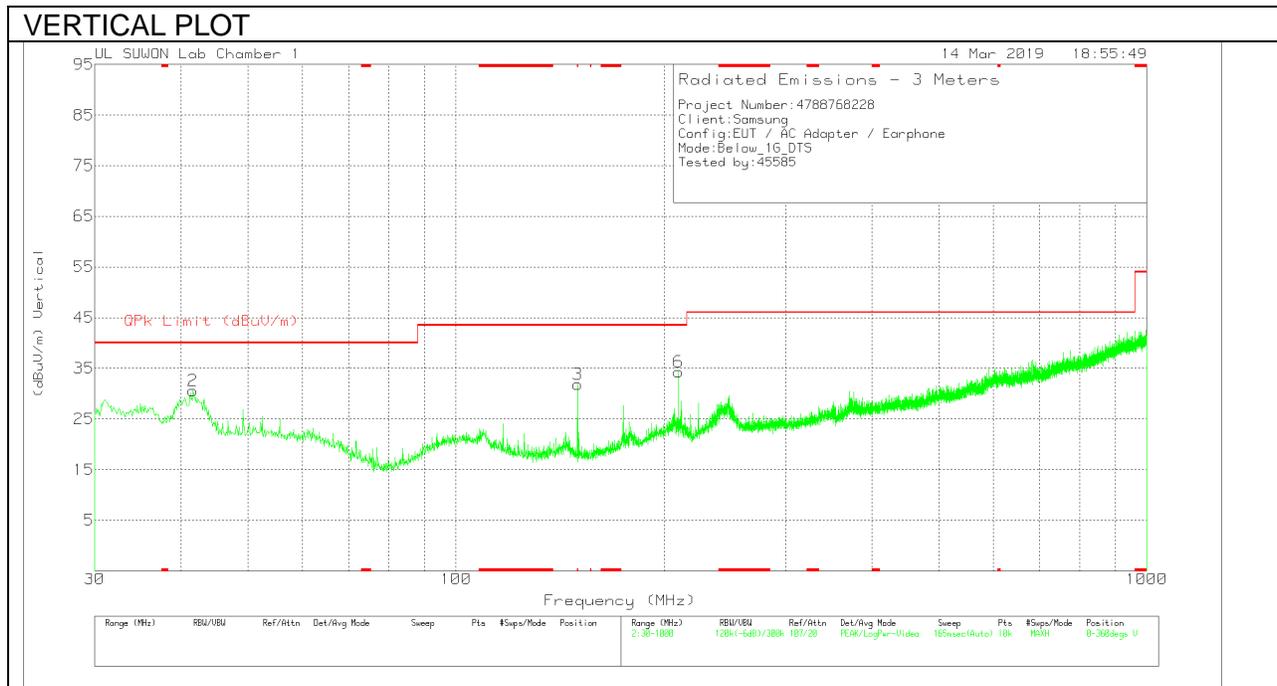
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3. WORST-CASE BELOW 1 GHz

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



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



Below 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	42.125	39.61	Pk	19.1	-30.7	0	28.01	40	-11.99	0-360	300	H
4	* 149.989	35.89	Pk	14.1	-29	0	20.99	43.52	-22.53	0-360	100	H
5	208.965	39.58	Pk	16.9	-28.4	0	28.08	43.52	-15.44	0-360	100	H
2	41.64	42.21	Pk	19.1	-30.7	0	30.61	40	-9.39	0-360	100	V
3	* 149.989	46.73	Pk	14.1	-29	0	31.83	43.52	-11.69	0-360	100	V
6	209.935	45.91	Pk	16.9	-28.5	0	34.31	43.52	-9.21	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.

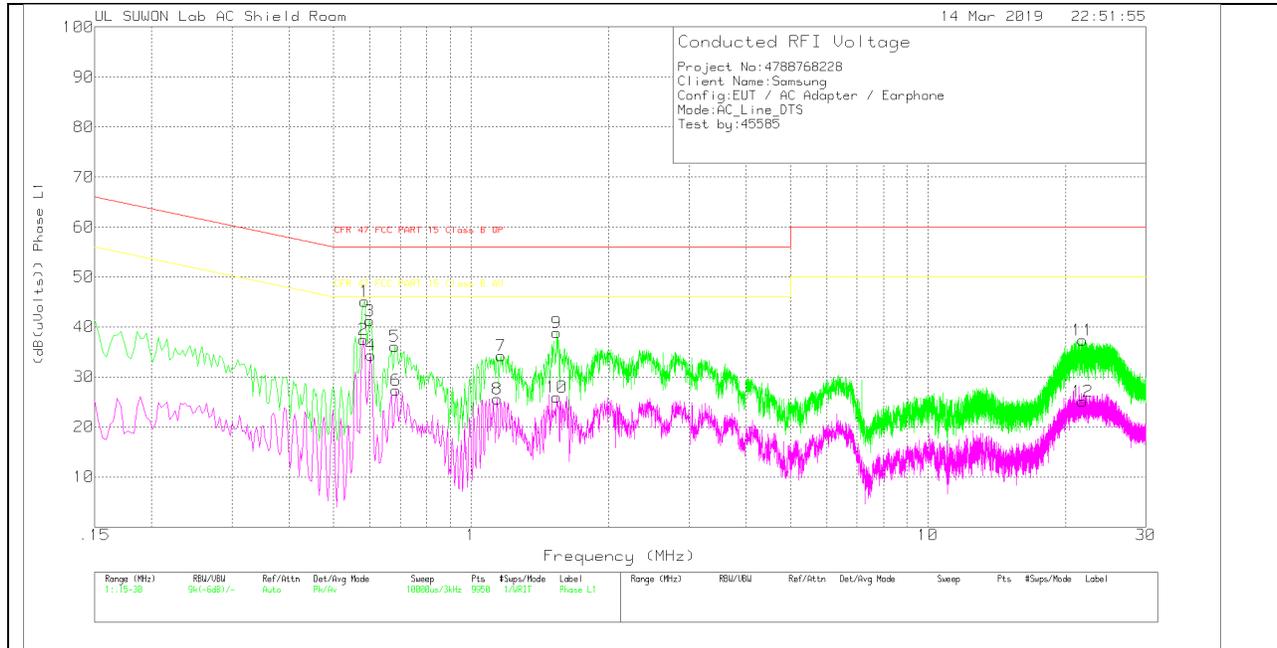
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_101836_With ex-cord_L1	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.585	34.99	Pk	9.9	.2	45.09	56	-10.91	-	-
2	.582	27.4	Av	9.9	.2	37.5	-	-	46	-8.5
3	.6	31.1	Pk	9.9	.2	41.2	56	-14.8	-	-
4	.603	24.23	Av	9.9	.2	34.33	-	-	46	-11.67
5	.681	26.05	Pk	9.9	.2	36.15	56	-19.85	-	-
6	.684	17.23	Av	9.9	.2	27.33	-	-	46	-18.67
7	1.164	24.08	Pk	9.8	.3	34.18	56	-21.82	-	-
8	1.143	15.51	Av	9.8	.3	25.61	-	-	46	-20.39
9	1.542	28.79	Pk	9.8	.3	38.89	56	-17.11	-	-
10	1.542	15.87	Av	9.8	.3	25.97	-	-	46	-20.03
11	21.807	26.4	Pk	10.5	.4	37.3	60	-22.7	-	-
12	21.792	14.15	Av	10.5	.4	25.05	-	-	50	-24.95

Pk - Peak detector

Av - Average detection

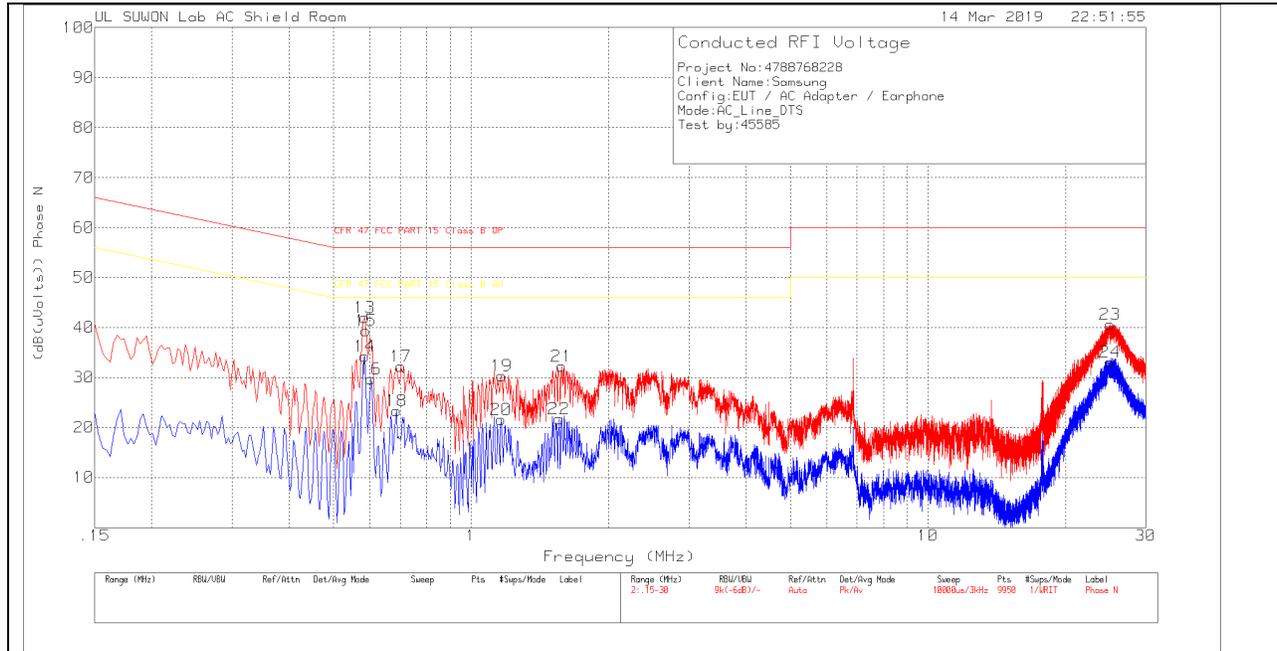
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_101836_With ex-cord_L1	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
.58425	33.94	Qp	9.9	.2	44.04	56	-11.96	-	-

Qp - Quasi-Peak detector

LINE 2 PLOT



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_101836_With ex-cord_N	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
13	.585	31.93	Pk	9.9	.2	42.03	56	-13.97	-	-
14	.585	24.08	Av	9.9	.2	34.18	-	-	46	-11.82
15	.588	29.22	Pk	9.9	.2	39.32	56	-16.68	-	-
16	.603	19.65	Av	9.9	.2	29.75	-	-	46	-16.25
17	.702	22.13	Pk	9.9	.2	32.23	56	-23.77	-	-
18	.687	13.19	Av	9.9	.2	23.29	-	-	46	-22.71
19	1.167	20.23	Pk	9.8	.3	30.33	56	-25.67	-	-
20	1.164	11.48	Av	9.8	.3	21.58	-	-	46	-24.42
21	1.578	22.2	Pk	9.7	.3	32.2	56	-23.8	-	-
22	1.557	11.69	Av	9.7	.3	21.69	-	-	46	-24.31
23	25.023	29.47	Pk	10.7	.4	40.57	60	-19.43	-	-
24	25.05	21.99	Av	10.7	.4	33.09	-	-	50	-16.91

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_101836_With ex-cord_N	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
.58425	30.49	Qp	9.9	.2	40.59	56	-15.41	-	-

Qp - Quasi-Peak detector