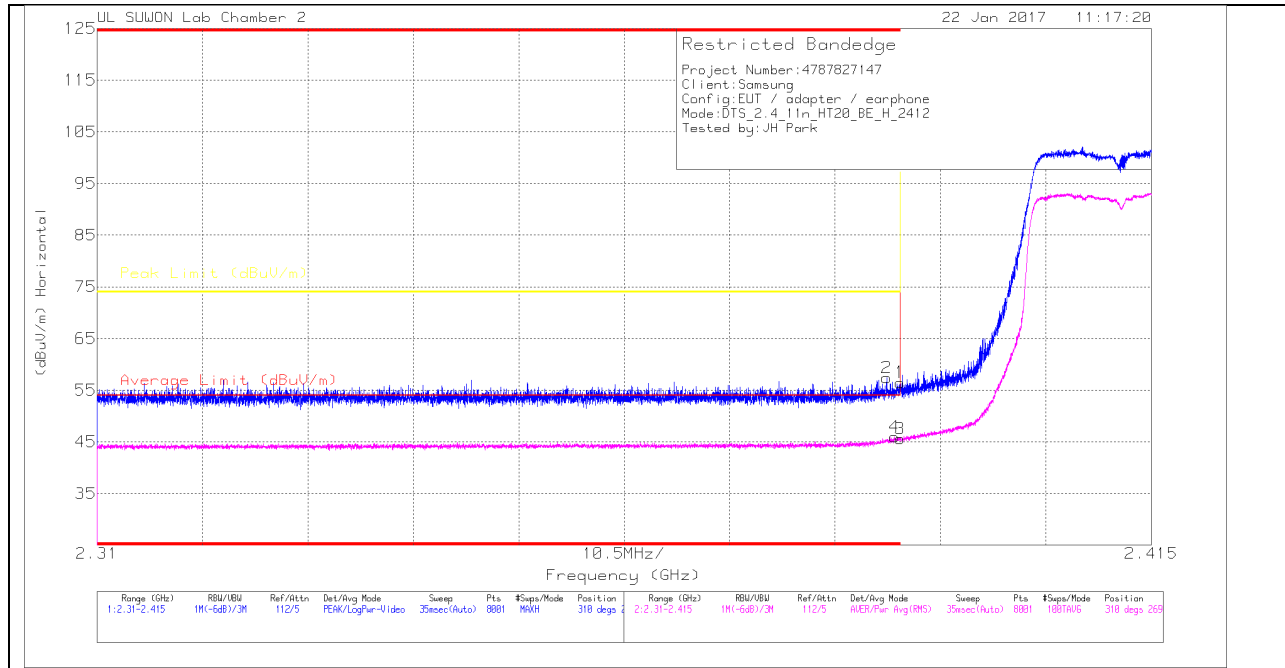


10.2.4. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

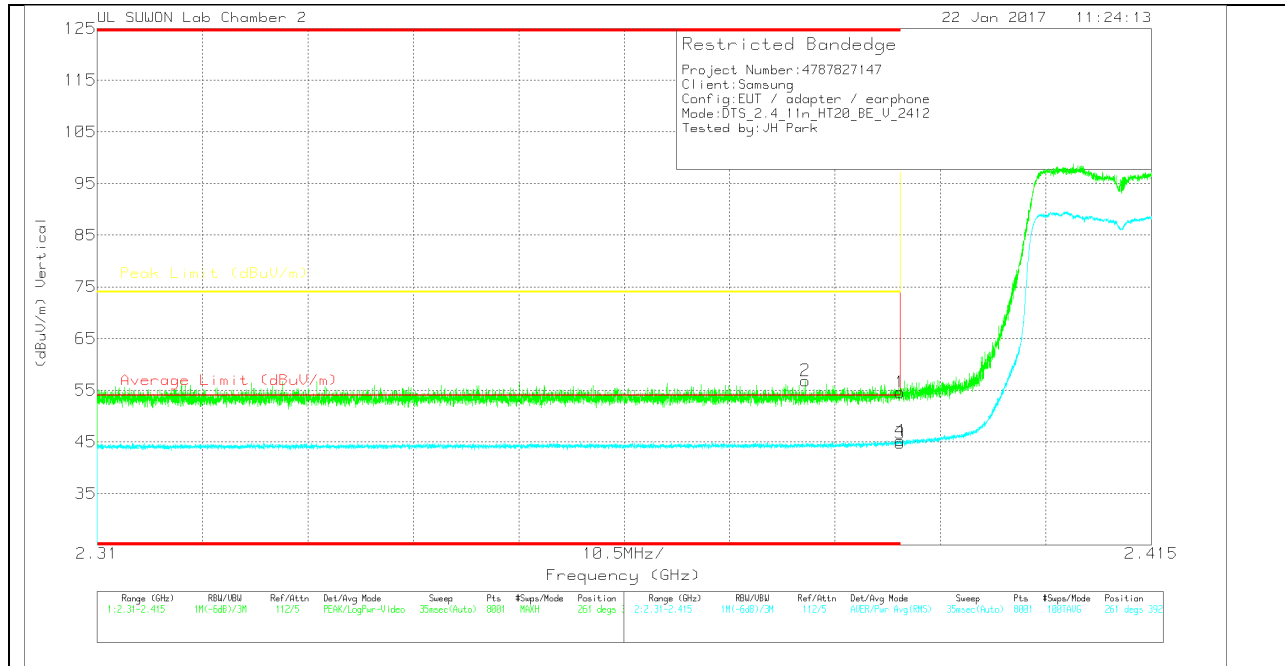
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.99	Pk	31.7	-18.2	0	56.49	-	-	74	-17.51	310	269	H
2	* 2.389	43.92	Pk	31.7	-18.2	0	57.42	-	-	74	-16.58	310	269	H
3	* 2.39	31.83	RMS	31.7	-18.2	.25	45.58	54	-8.42	-	-	310	269	H
4	* 2.389	32.24	RMS	31.7	-18.2	.25	45.99	54	-8.01	-	-	310	269	H

* - indicates frequency in CFR15.205/IC7.2.2 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(001687 24)_150619	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	41.07	Pk	31.7	-18.2	0	54.57	-	-	74	-19.43	261	392	V
2	* 2.381	43.45	Pk	31.7	-18.3	0	56.85	-	-	74	-17.15	261	392	V
3	* 2.39	31	RMS	31.7	-18.2	.25	44.75	54	-9.25	-	-	261	392	V
4	* 2.39	31.47	RMS	31.7	-18.2	.25	45.22	54	-8.78	-	-	261	392	V

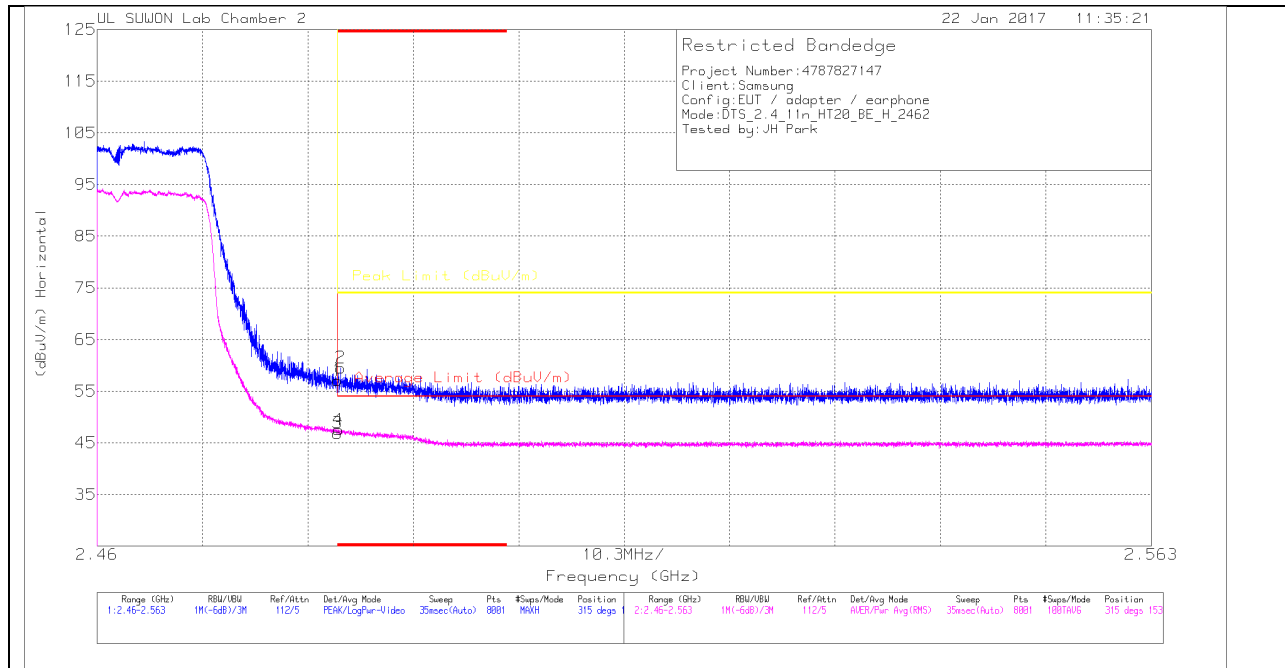
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

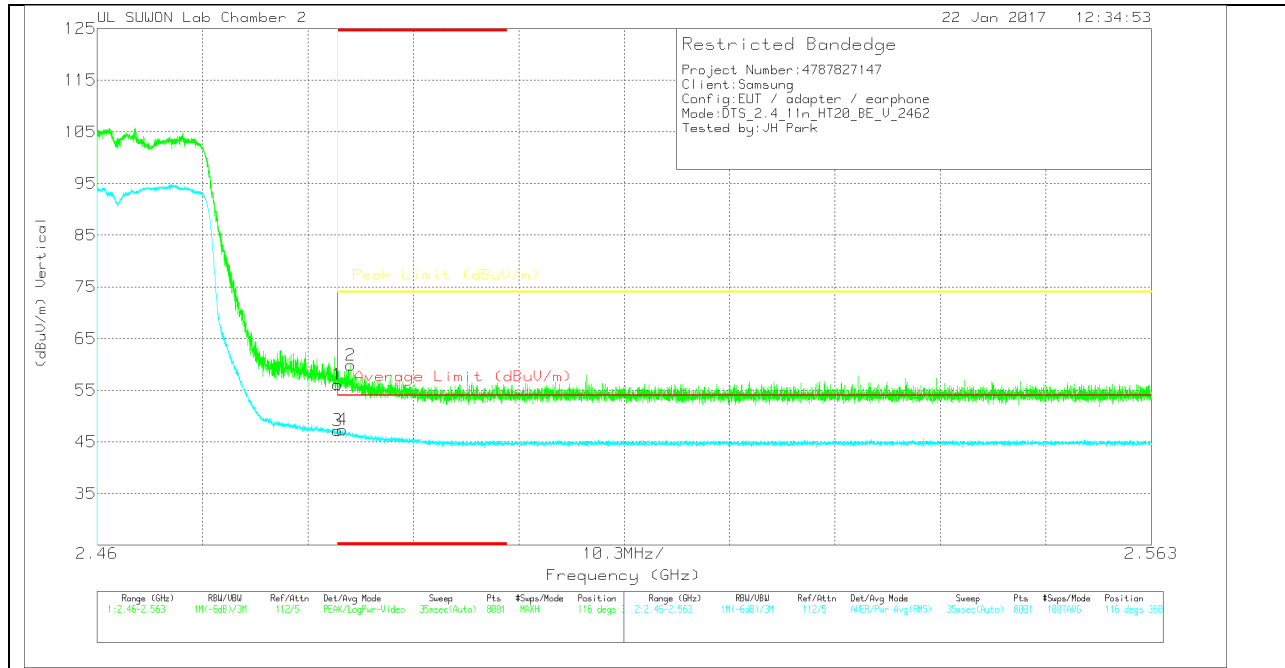
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.29	Pk		-18	0	57.09	-	-	74	-16.91	315	153	H
2	* 2.484	45.74	Pk		-18	0	59.54	-	-	74	-14.46	315	153	H
3	* 2.484	32.84	RMS		-18	.25	46.89	54	-7.11	-	-	315	153	H
4	* 2.484	33.49	RMS		-18	.25	47.54	54	-6.46	-	-	315	153	H

* - indicates frequency in CFR15.205/IC7.2.2 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(001687 24)_150619	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	42.29	Pk	31.8	-18	0	56.09	-	-	74	-17.91	116	360	V
2	* 2.485	46.06	Pk	31.8	-18	0	59.86	-	-	74	-14.14	116	360	V
3	* 2.484	33.16	RMS	31.8	-18	.25	47.21	54	-6.79	-	-	116	360	V
4	* 2.484	33.29	RMS	31.8	-18	.25	47.34	54	-6.66	-	-	116	360	V

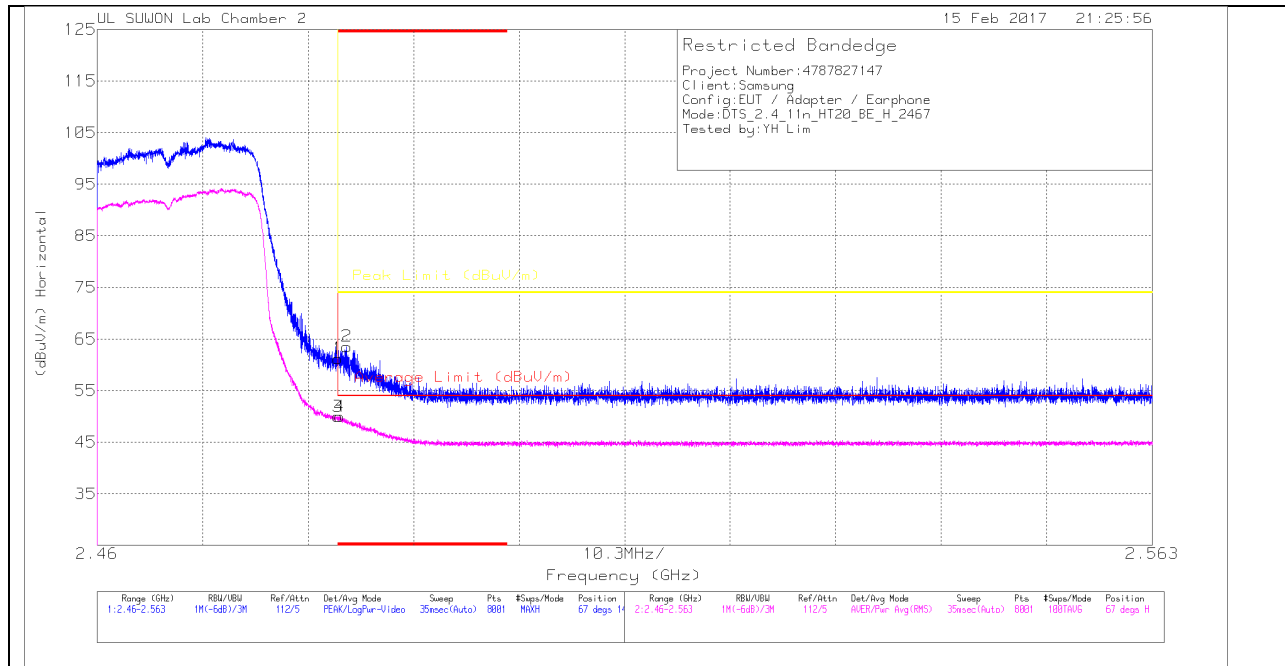
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

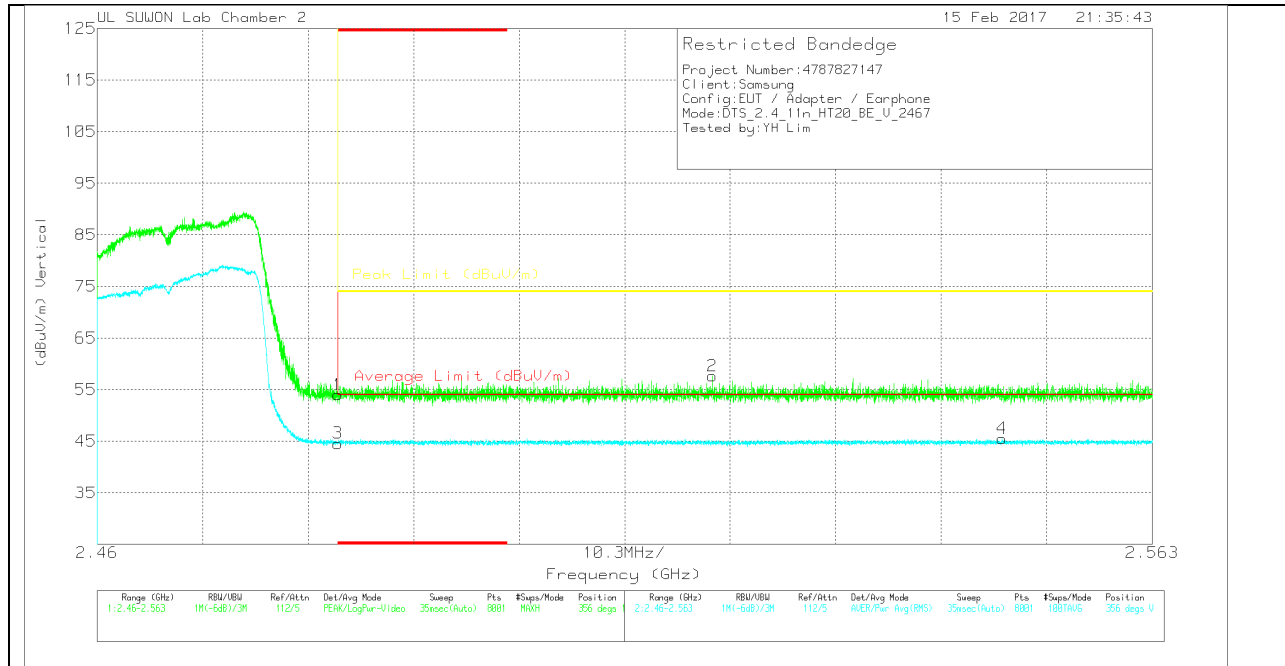
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24_150619)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.43	PK	31.8	-18	0	61.23	-	-	74	-12.77	67	147	H
2	* 2.484	49.76	PK	31.8	-18	0	63.56	-	-	74	-10.44	67	147	H
3	* 2.484	35.92	RMS	31.8	-18	.25	49.97	54	-4.03	-	-	67	147	H
4	* 2.484	35.95	RMS	31.8	-18	.25	50	54	-4	-	-	67	147	H

* - indicates frequency in CFR15.205/IC7.2.2 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(001687 24)_150619	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	40.2	Pk		-18	0	54	-	-	74	-20	356	118	V
2	2.52	43.76	Pk		-18	0	57.66	-	-	74	-16.34	356	118	V
3	* 2.484	30.53	RMS		-18	.25	44.58	54	-9.42	-	-	356	118	V
4	2.548	31.38	RMS		-18	.25	45.53	54	-8.47	-	-	356	118	V

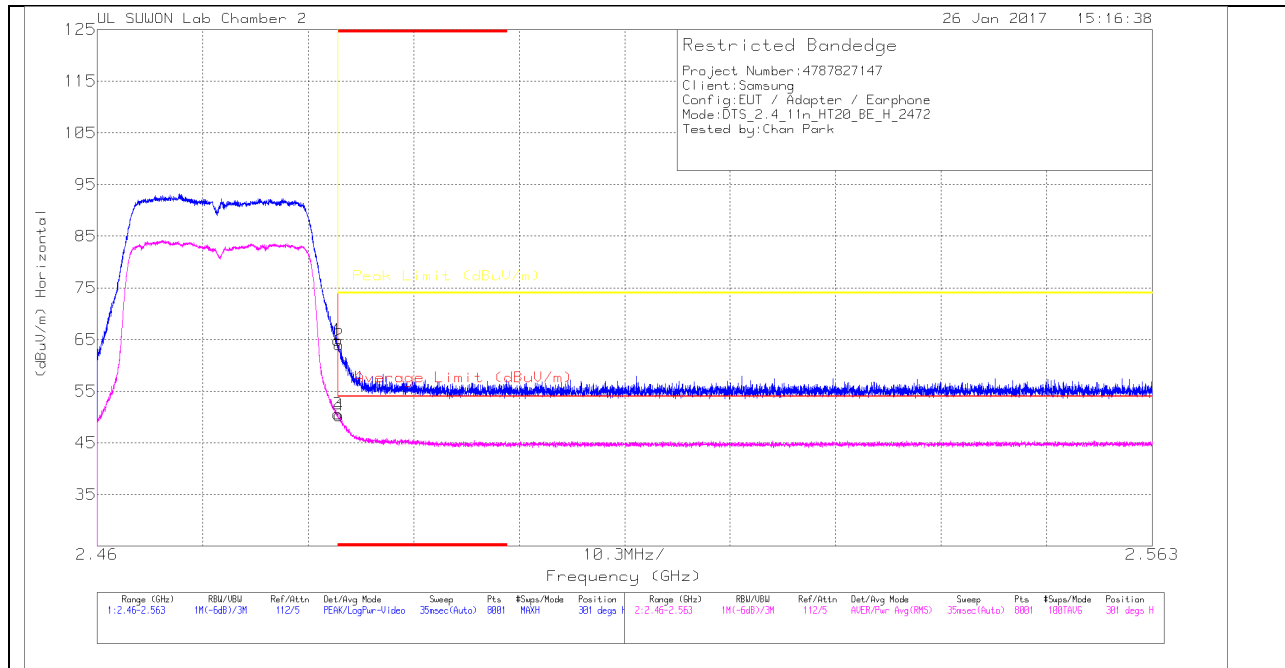
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

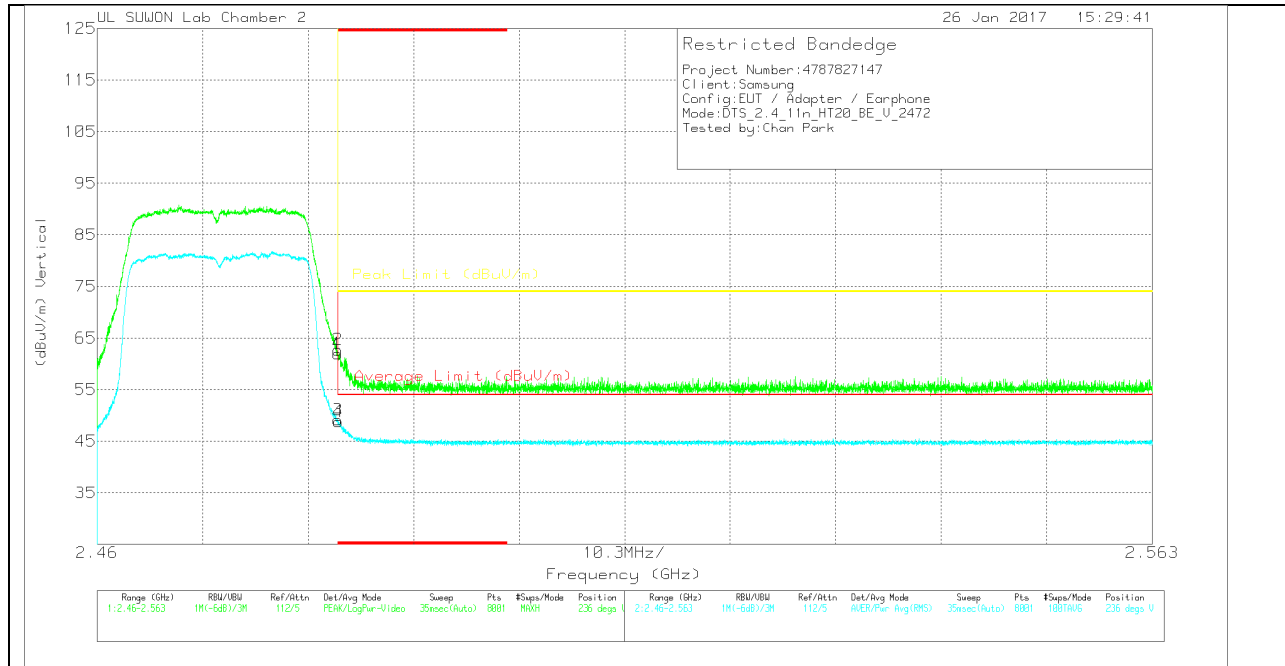
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.09	Pk		-18	0	64.89	-	-	74	-9.11	301	229	H
2	* 2.484	50.18	Pk		-18	0	63.98	-	-	74	-10.02	301	229	H
3	* 2.484	36.56	RMS		-18	.25	50.61	54	-3.39	-	-	301	229	H
4	* 2.484	36.26	RMS		-18	.25	50.31	54	-3.69	-	-	301	229	H

* - indicates frequency in CFR15.205/IC7.2.2 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(001687 24)_150619	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	48.17	Pk	31.8	-18	0	61.97	-	-	74	-12.03	236	376	V
2	* 2.484	48.92	Pk	31.8	-18	0	62.72	-	-	74	-11.28	236	376	V
3	* 2.484	35.08	RMS	31.8	-18	.25	49.13	54	-4.87	-	-	236	376	V
4	* 2.484	34.75	RMS	31.8	-18	.25	48.8	54	-5.2	-	-	236	376	V

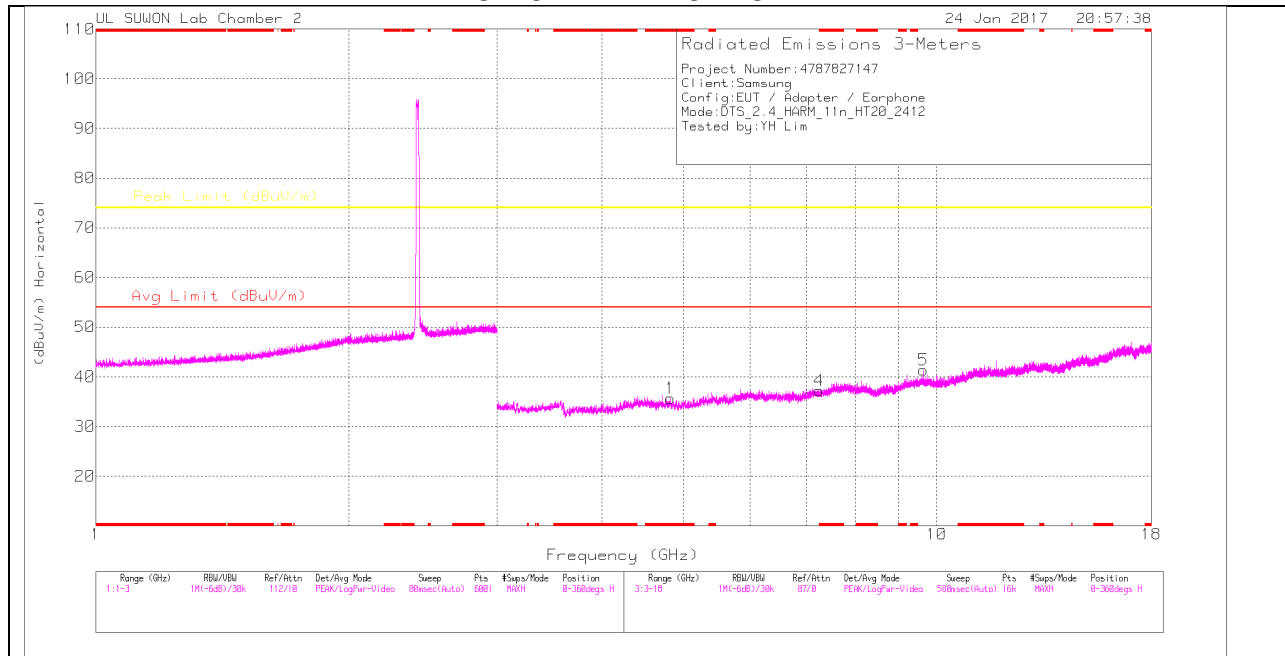
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

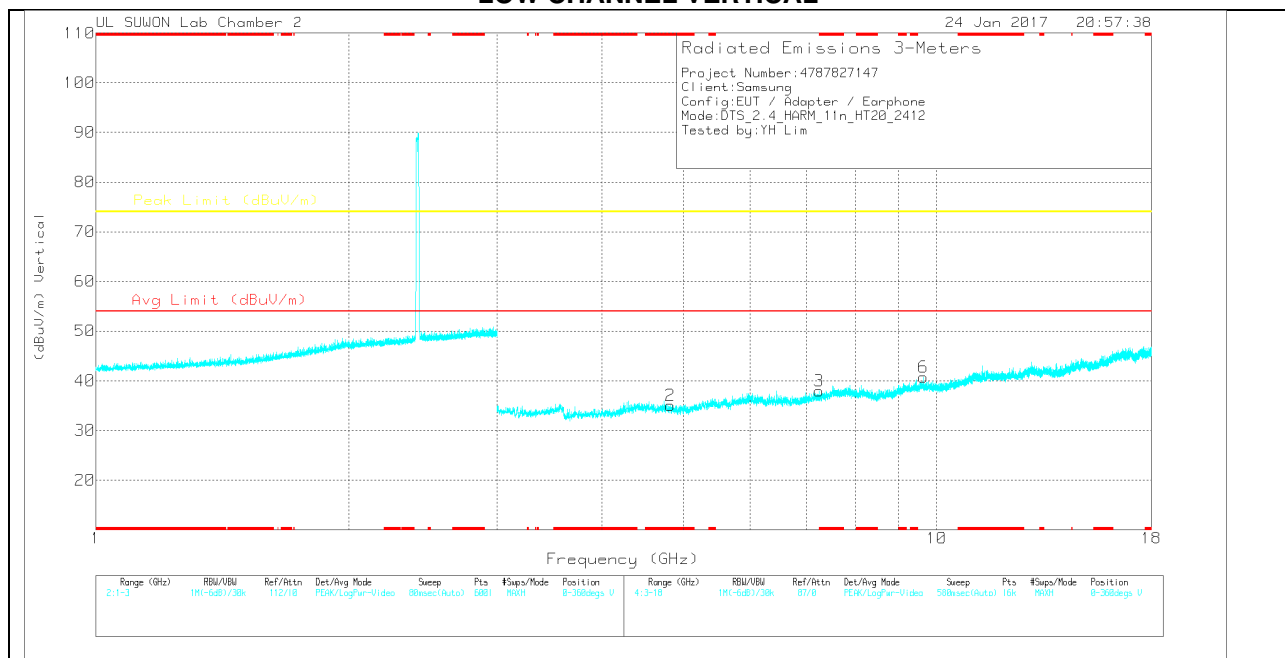
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

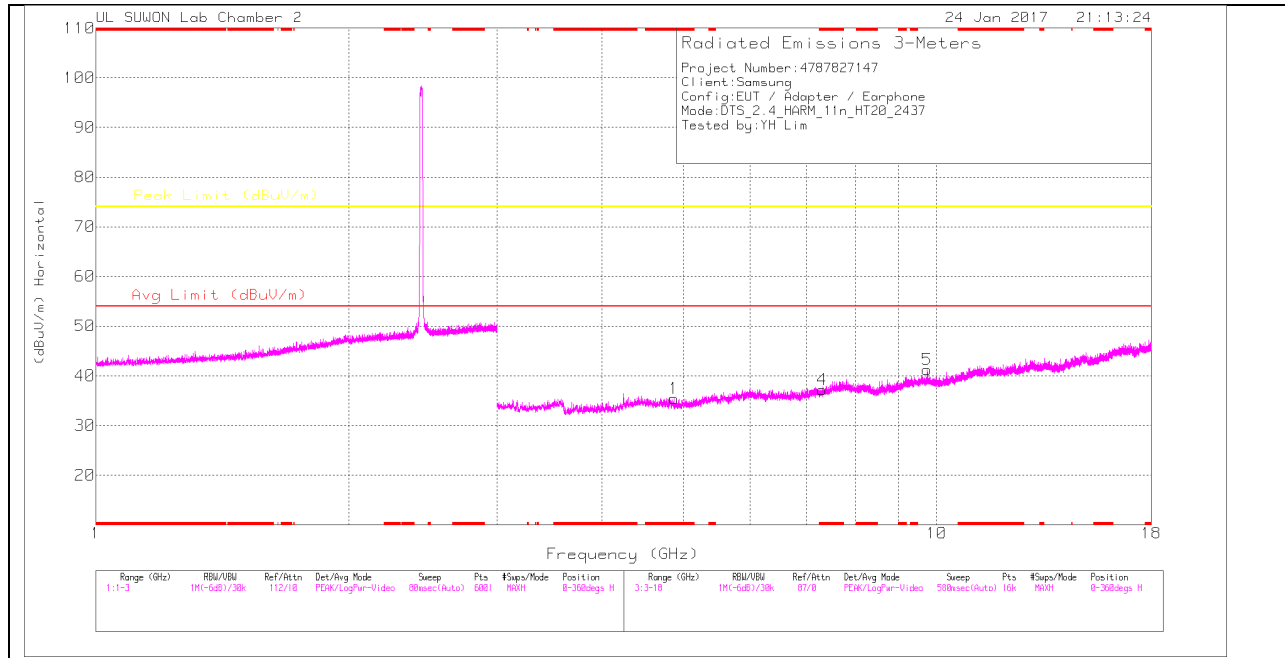
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117[001687 24_150619]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.823	26.05	Pk	33.9	-24.3	0	35.65	-	-	74	-38.35	0-360	150	H
4	7.242	23.44	Pk	35.8	-22	0	37.24	-	-	74	-36.76	0-360	250	H
5	9.647	22.79	Pk	36.9	-18.3	0	41.39	-	-	74	-32.61	0-360	150	H
2	* 4.82	25.42	Pk	33.9	-24.3	0	35.02	-	-	74	-38.98	0-360	150	V
3	7.242	24.17	Pk	35.8	-22	0	37.97	-	-	74	-36.03	0-360	250	V
6	9.648	22.18	Pk	36.9	-18.3	0	40.78	-	-	74	-33.22	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

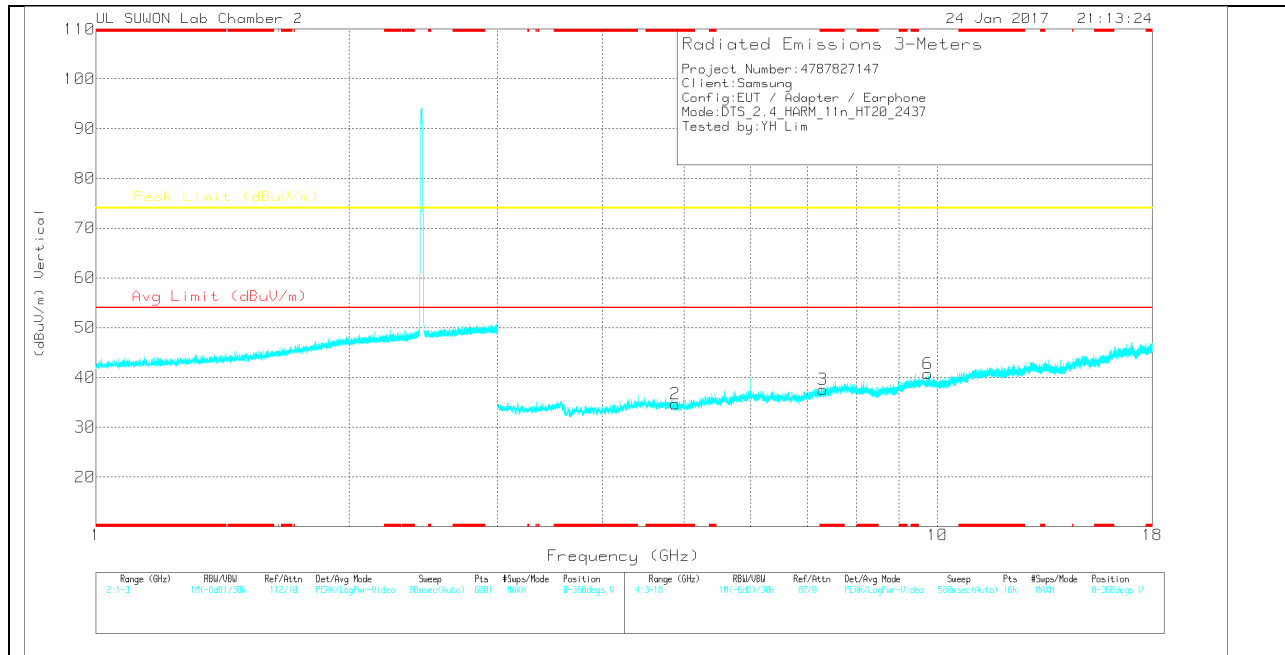
Pk – Peak detector

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

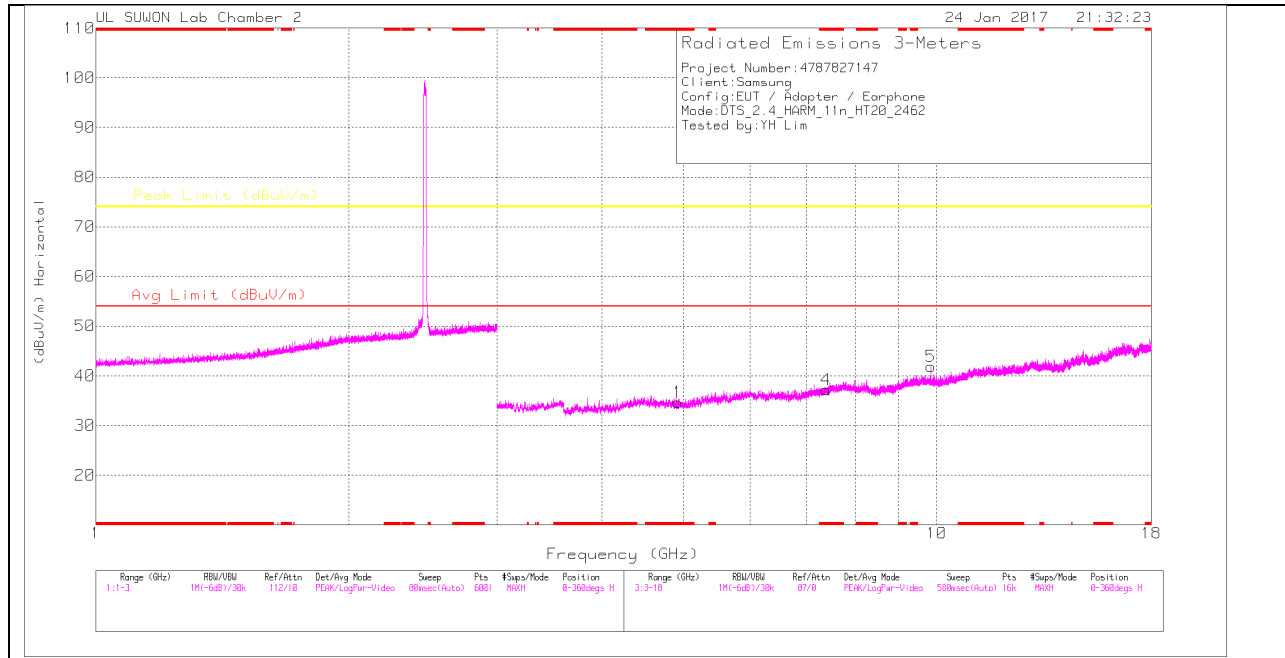
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.873	26.04	Pk	33.9	-24.5	0	35.44	-	-	74	-38.56	0-360	150	H
4	* 7.313	23.29	Pk	35.9	-22	0	37.19	-	-	74	-36.81	0-360	250	H
5	9.748	22.36	Pk	37	-18.1	0	41.26	-	-	74	-32.74	0-360	150	H
2	* 4.877	25.25	Pk	33.9	-24.5	0	34.65	-	-	74	-39.35	0-360	250	V
3	* 7.31	23.7	Pk	35.9	-22	0	37.6	-	-	74	-36.4	0-360	150	V
6	9.748	21.79	Pk	37	-18.1	0	40.69	-	-	74	-33.31	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

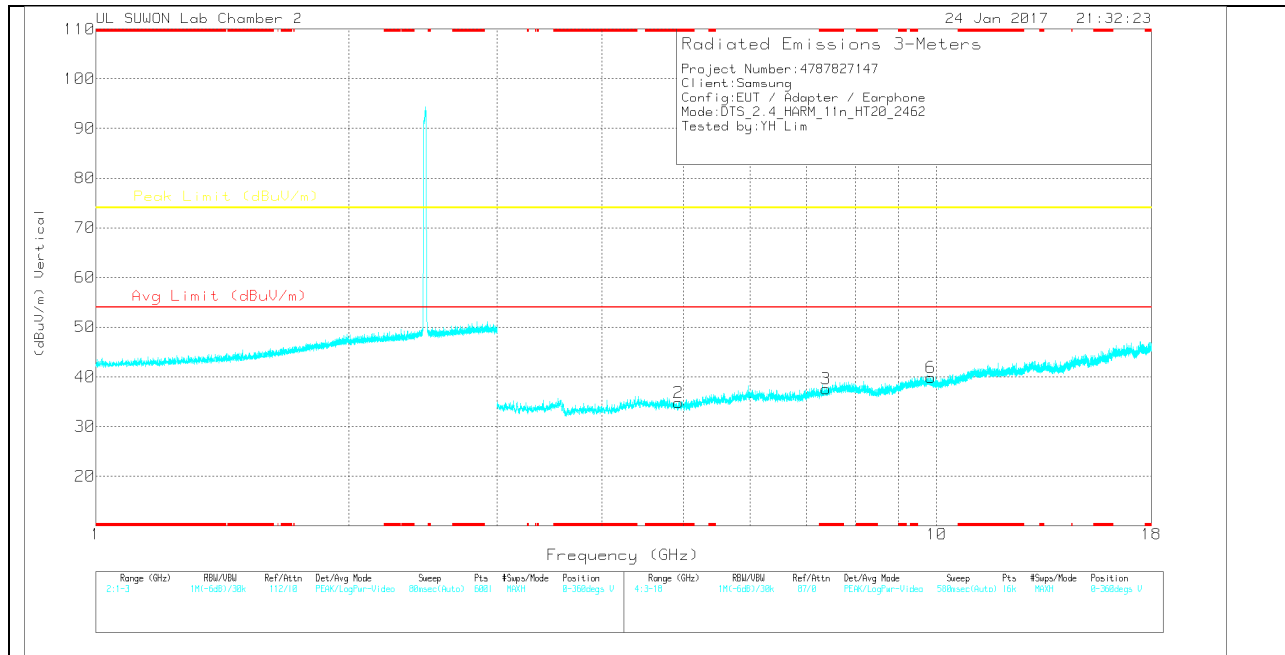
Pk – Peak detector

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

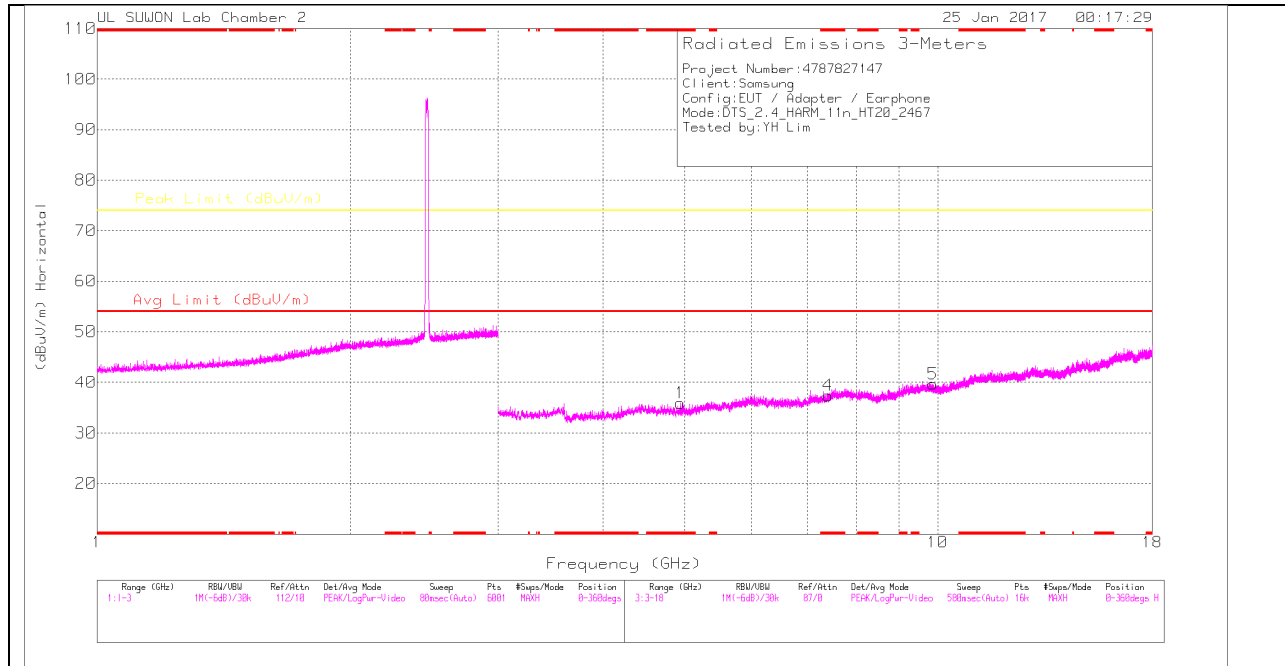
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.924	25.48	Pk	33.9	-24.7	0	34.68	-	-	74	-39.32	0-360	250	H
4	* 7.385	22.73	Pk	35.9	-21.4	0	37.23	-	-	74	-36.77	0-360	150	H
5	9.848	22.66	Pk	37.1	-17.9	0	41.86	-	-	74	-32.14	0-360	250	H
2	* 4.927	25.58	Pk	33.9	-24.7	0	34.78	-	-	74	-39.22	0-360	150	V
3	* 7.384	23.14	Pk	35.9	-21.4	0	37.64	-	-	74	-36.36	0-360	150	V
6	9.848	20.66	Pk	37.1	-17.9	0	39.86	-	-	74	-34.14	0-360	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

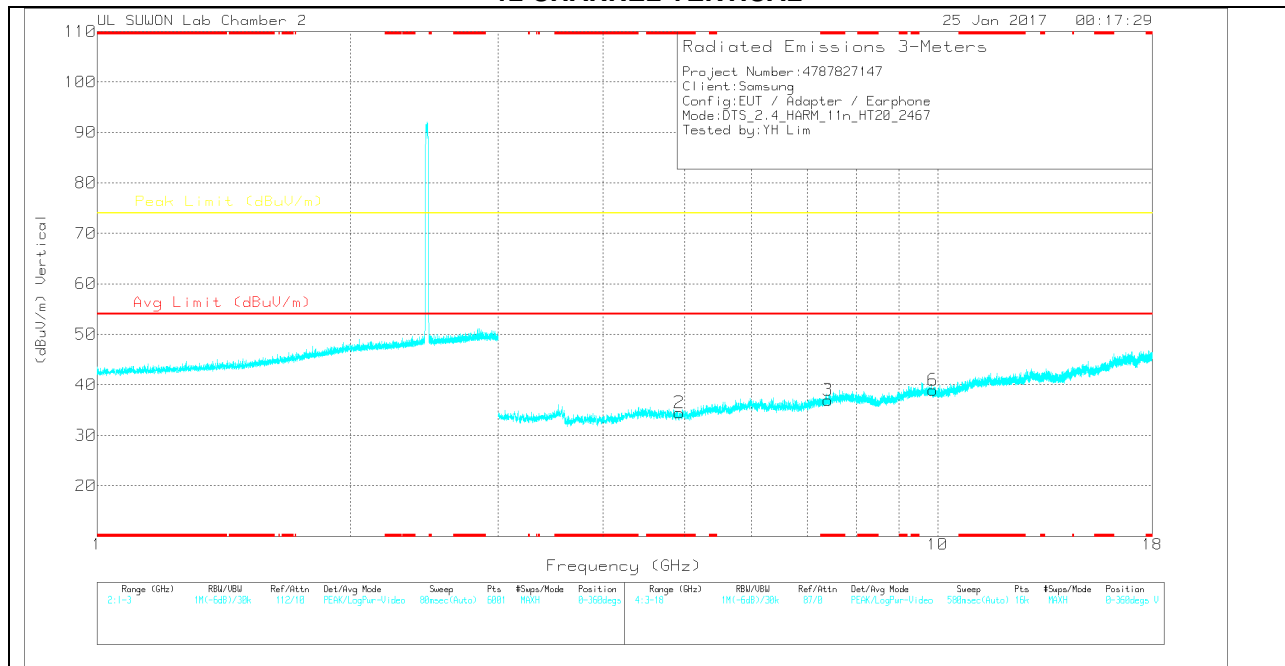
Pk – Peak detector

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

12 CHANNEL HORIZONTAL



12 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.

12 CHANNEL DATA

Trace Markers

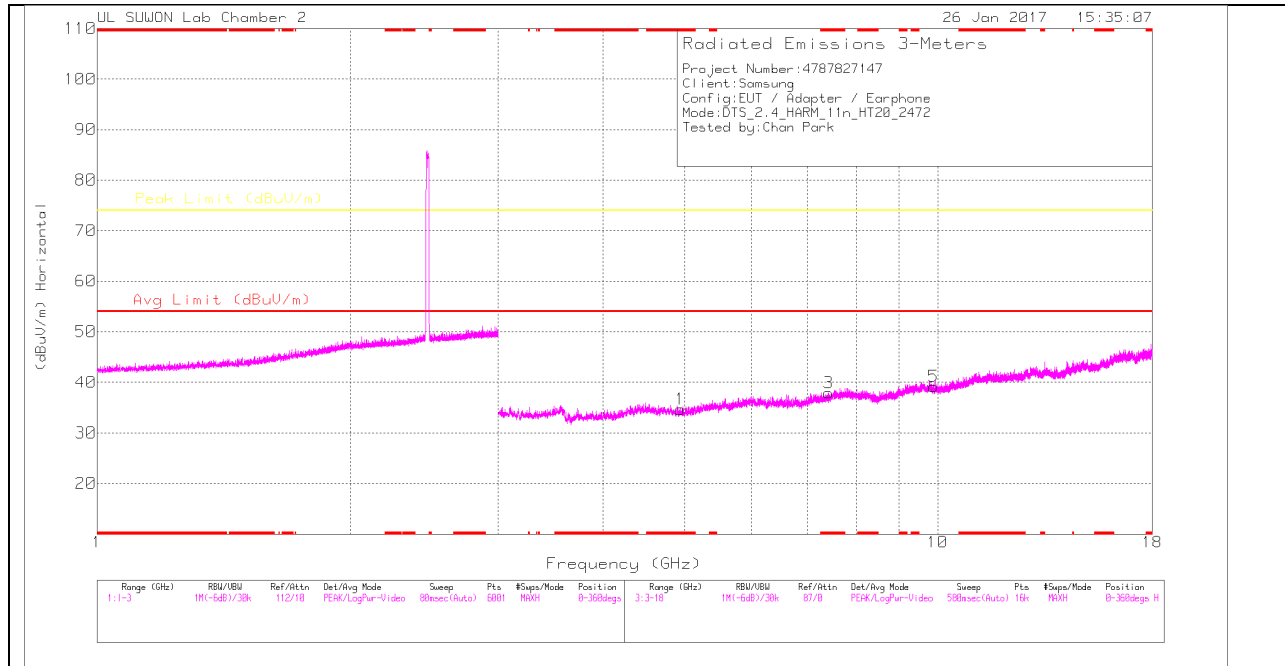
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.94	26.8	Pk	33.9	-24.8	0	35.9	-	-	74	-38.1	0-360	150	H
4	* 7.405	22.68	Pk	36	-21.3	0	37.38	-	-	74	-36.62	0-360	250	H
5	9.873	20.54	Pk	37.1	-18	0	39.64	-	-	74	-34.36	0-360	250	H
2	* 4.927	25.28	Pk	33.9	-24.7	0	34.48	-	-	74	-39.52	0-360	150	V
3	* 7.406	22.28	Pk	36	-21.3	0	36.98	-	-	74	-37.02	0-360	150	V
6	9.87	19.85	Pk	37.1	-18	0	38.95	-	-	74	-35.05	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

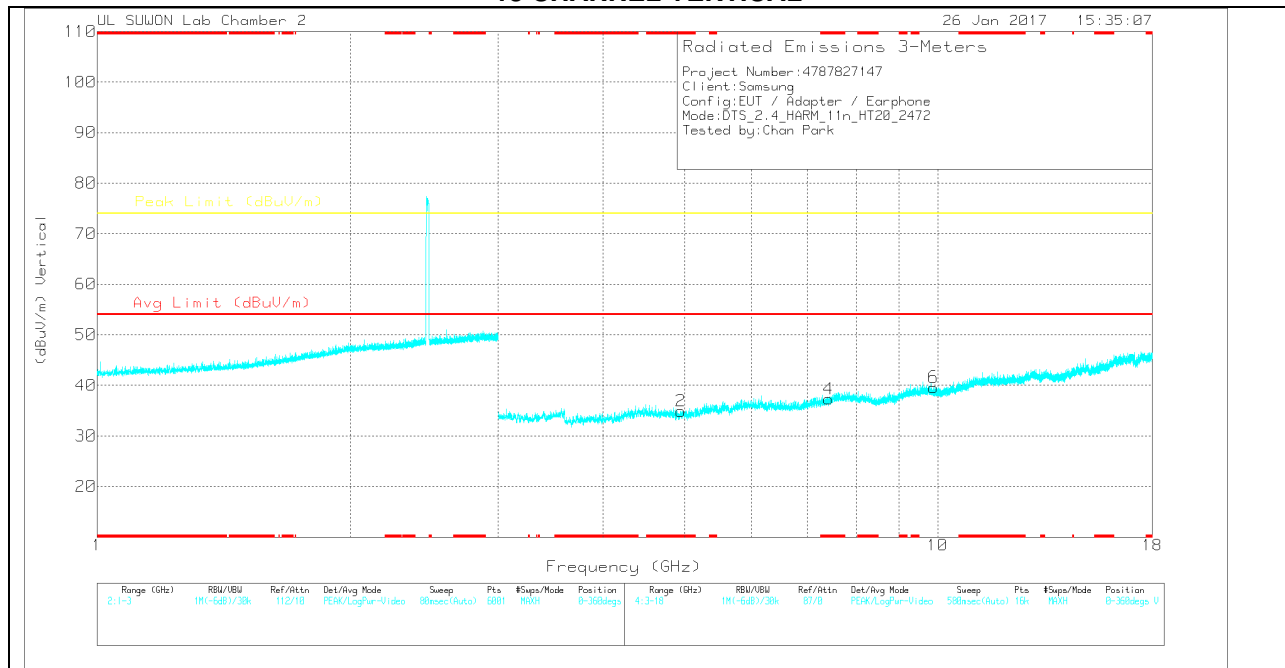
Pk – Peak detector

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

13 CHANNEL HORIZONTAL



13 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.

13 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	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	* 4.944	25.44	Pk	33.9	-24.7	0	34.64	-	-	74	-39.36	0-360	250	H
3	* 7.416	23.14	Pk	36	-21.2	0	37.94	-	-	74	-36.06	0-360	150	H
5	9.888	20.08	Pk	37.1	-18	0	39.18	-	-	74	-34.82	0-360	250	H
2	* 4.947	25.69	Pk	33.9	-24.7	0	34.89	-	-	74	-39.11	0-360	250	V
4	* 7.413	22.49	Pk	36	-21.2	0	37.29	-	-	74	-36.71	0-360	250	V
6	9.888	20.48	Pk	37.1	-18	0	39.58	-	-	74	-34.42	0-360	150	V

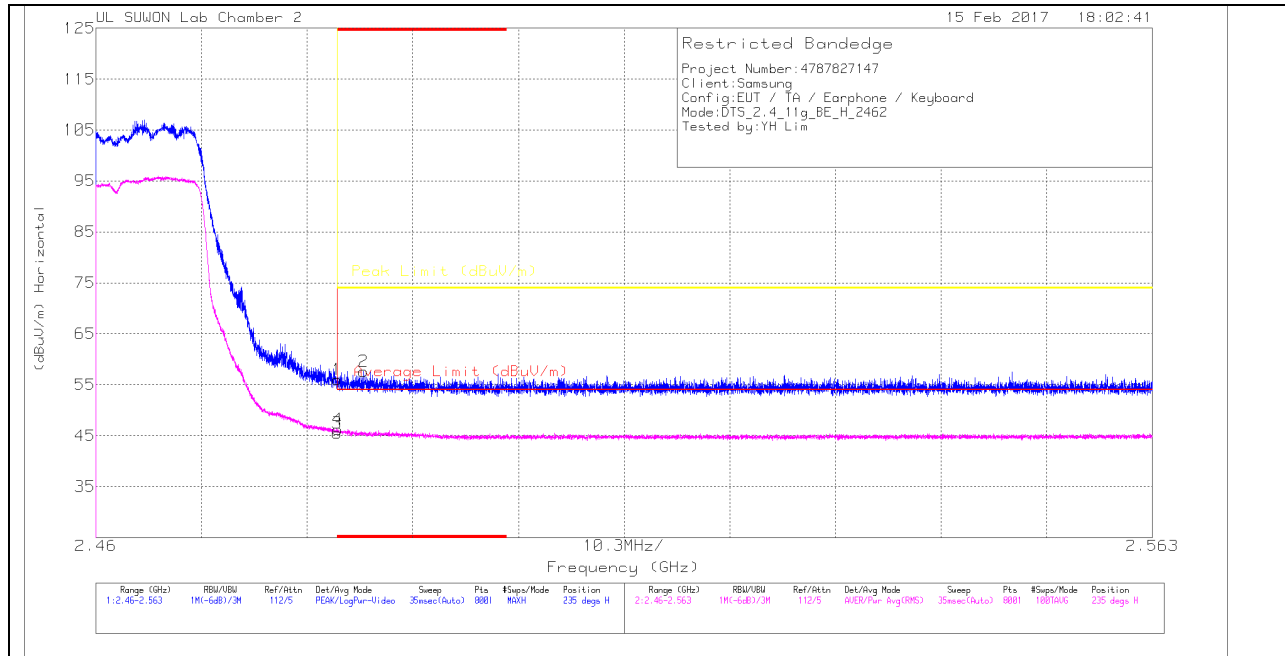
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk – Peak detector

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

**AUTHORIZED BANDEDGE (802.11 g mode 2Tx CDD HIGH CHANNEL)
 equipped with keyboard**

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

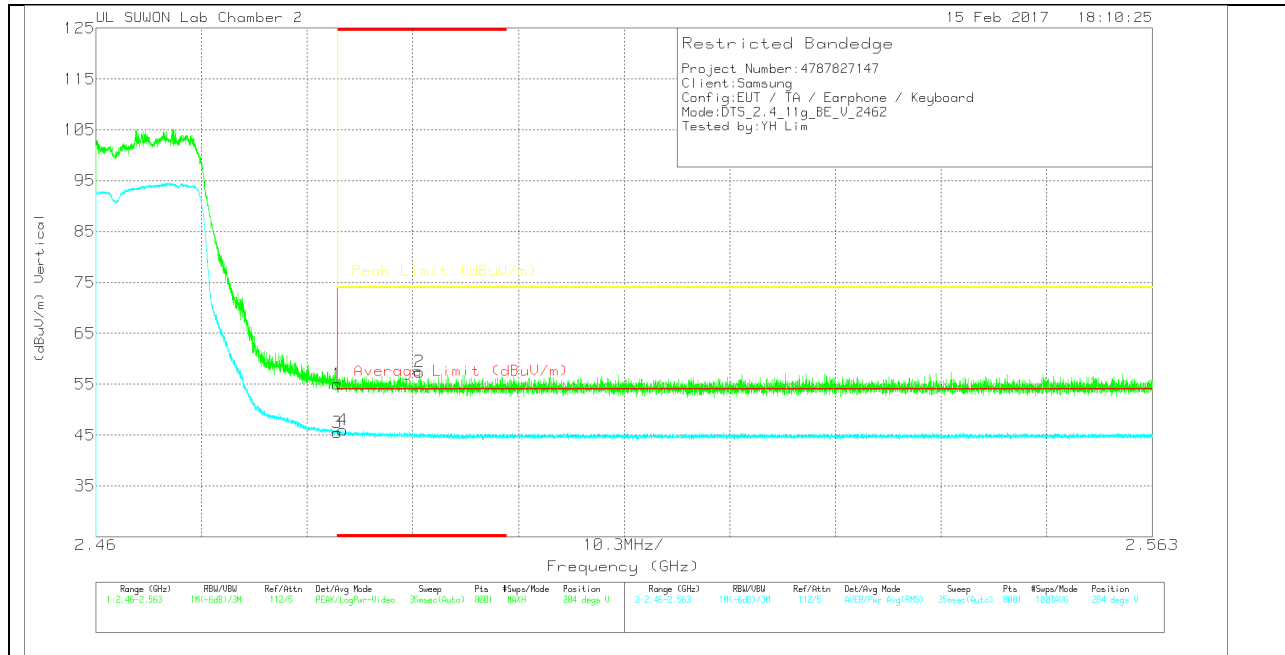
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.17	Pk		-18	0	55.97	-	-	74	-18.03	235	121	H
2	* 2.486	43.85	Pk		-18	0	57.65	-	-	74	-16.35	235	121	H
3	* 2.484	31.48	RMS		-18	.24	45.52	54	-8.48	-	-	235	121	H
4	* 2.484	32.19	RMS		-18	.24	46.23	54	-7.77	-	-	235	121	H

* - indicates frequency in CFR15.205/IC7.2.2 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(001687 24)_150619	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	41.2	Pk	31.8	-18	0	55	-	-	74	-19	284	296	V
2	* 2.492	43.64	Pk	31.8	-18	0	57.44	-	-	74	-16.56	284	296	V
3	* 2.484	31.41	RMS	31.8	-18	.24	45.45	54	-8.55	-	-	284	296	V
4	* 2.484	31.99	RMS	31.8	-18	.24	46.03	54	-7.97	-	-	284	296	V

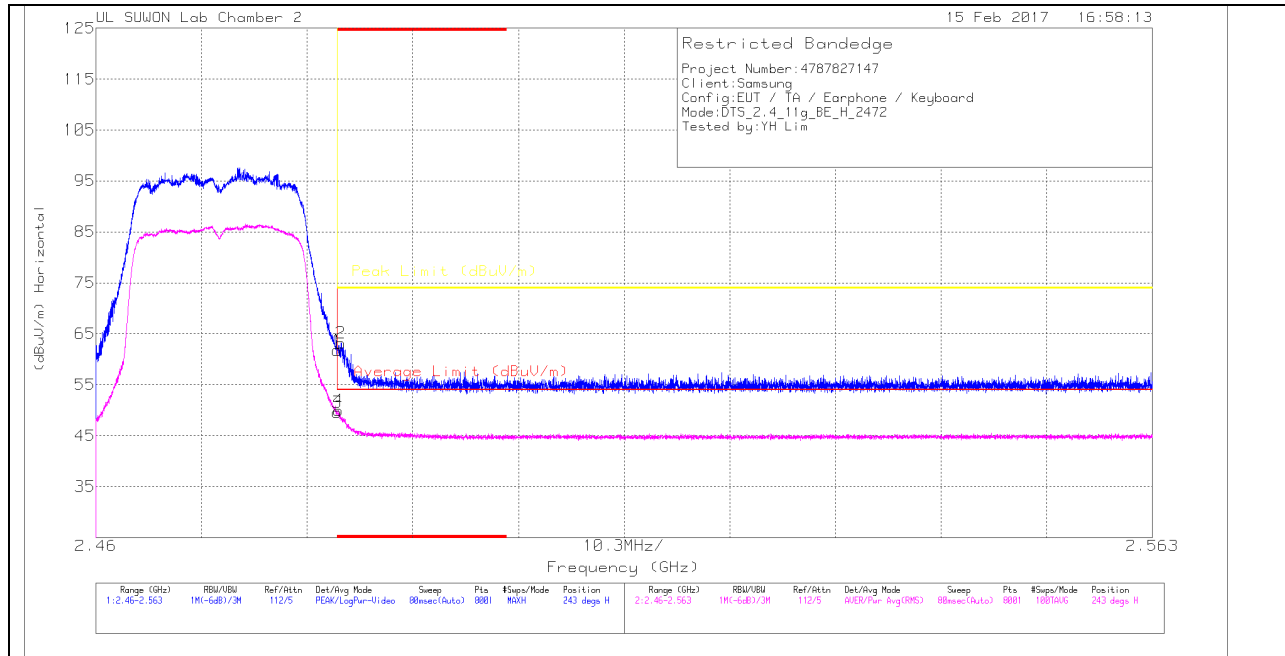
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (802.11 g mode 2Tx CDD 13 CHANNEL)
 equipped with keyboard**

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

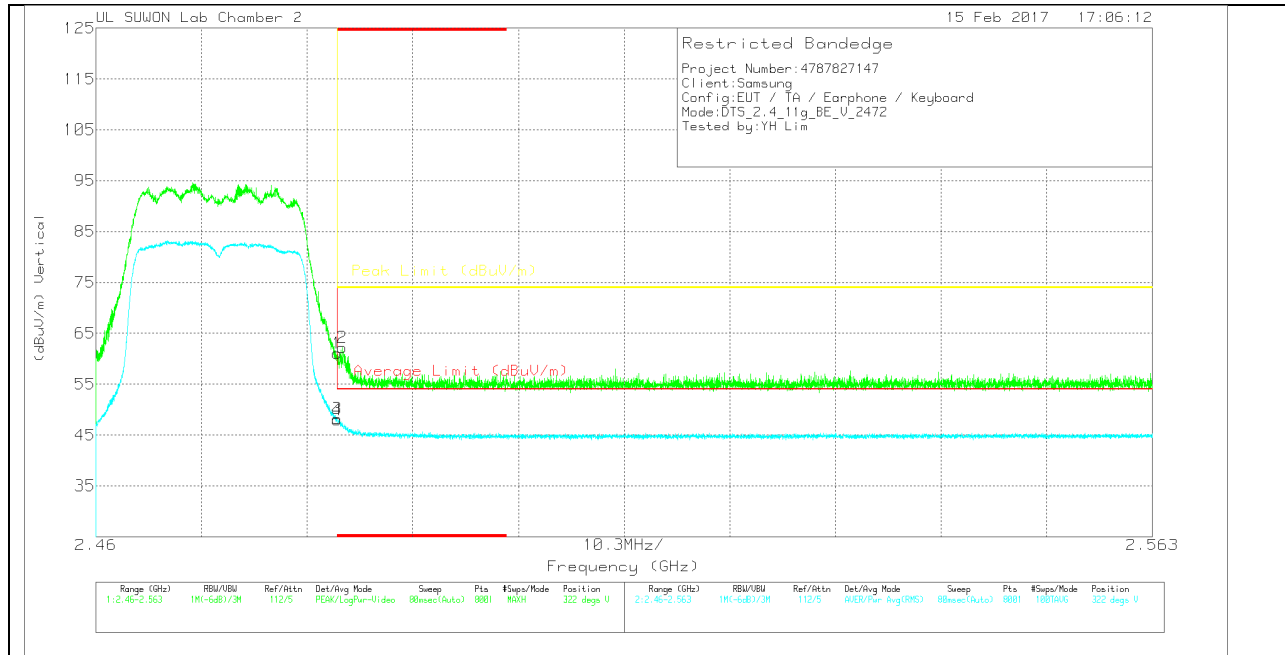
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 24_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.97	Pk		-18	0	61.77	-	-	74	-12.23	243	118	H
2	* 2.484	49.43	Pk		-18	0	63.23	-	-	74	-10.77	243	118	H
3	* 2.484	35.57	RMS		-18	.24	49.61	54	-4.39	-	-	243	118	H
4	* 2.484	35.93	RMS		-18	.24	49.97	54	-4.03	-	-	243	118	H

* - indicates frequency in CFR15.205/IC7.2.2 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(001687 24)_150619	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	47.34	PK	31.8	-18	0	61.14	-	-	74	-12.86	322	145	V
2	* 2.484	48.35	PK	31.8	-18	0	62.15	-	-	74	-11.85	322	145	V
3	* 2.484	34.19	RMS	31.8	-18	.24	48.23	54	-5.77	-	-	322	145	V
4	* 2.484	33.99	RMS	31.8	-18	.24	48.03	54	-5.97	-	-	322	145	V

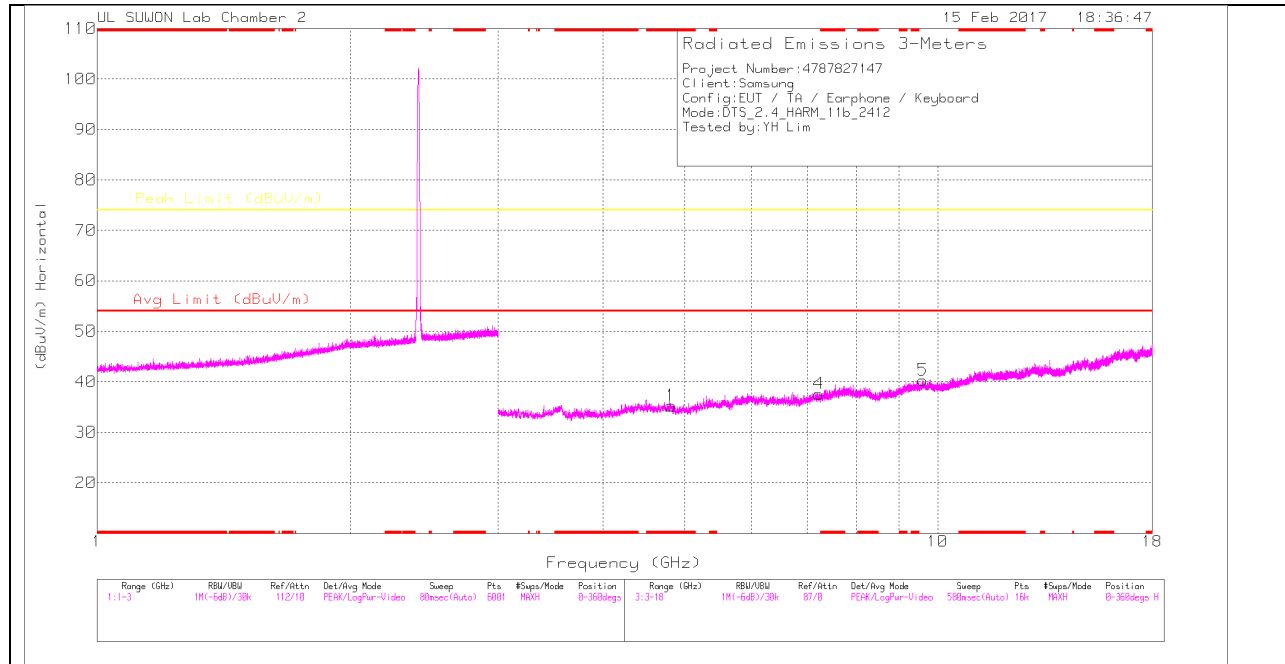
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

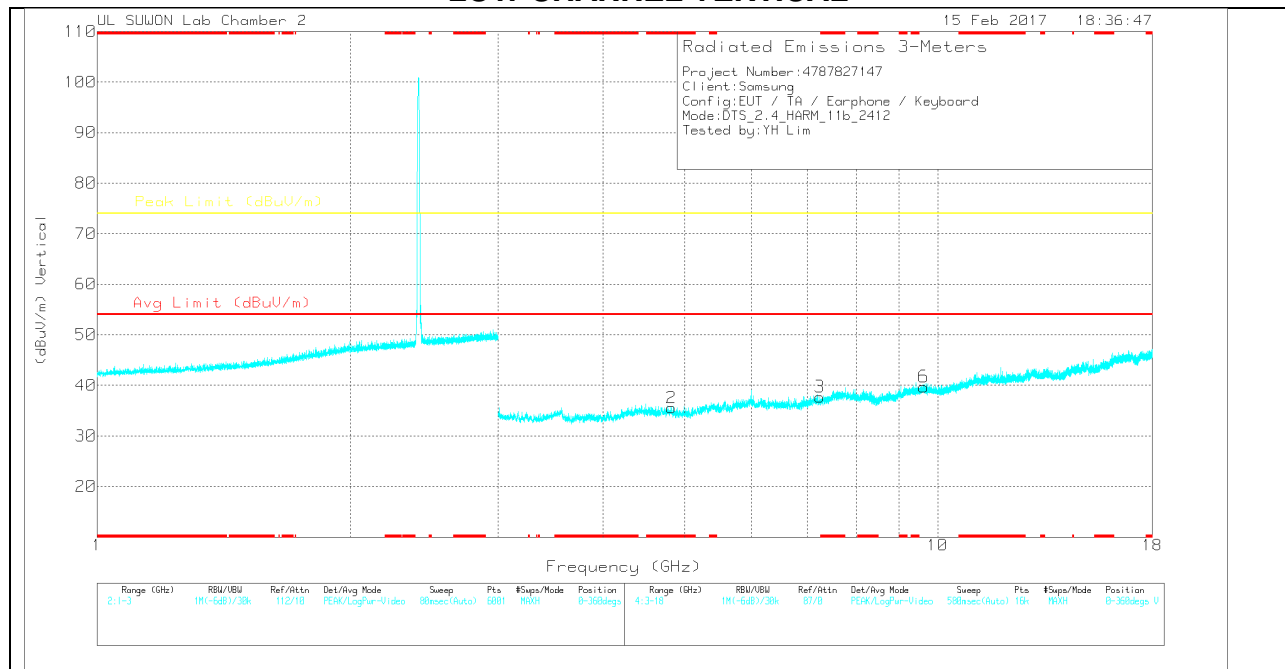
RMS - RMS detection

**802.11 b mode ANT2 HARMONICS AND SPURIOUS EMISSIONS
 equipped with keyboard**

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	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	* 4.819	25.68	Pk	33.9	-24.3	0	35.28	-	-	74	-38.72	0-360	250	H
4	7.222	23.72	Pk	35.8	-21.9	0	37.62	-	-	74	-36.38	0-360	250	H
5	9.606	21.84	Pk	36.9	-18.4	0	40.34	-	-	74	-33.66	0-360	250	H
2	* 4.822	25.96	Pk	33.9	-24.3	0	35.56	-	-	74	-38.44	0-360	150	V
3	7.242	23.9	Pk	35.8	-22	0	37.7	-	-	74	-36.3	0-360	150	V
6	9.625	21.11	Pk	36.9	-18.3	0	39.71	-	-	74	-34.29	0-360	150	V

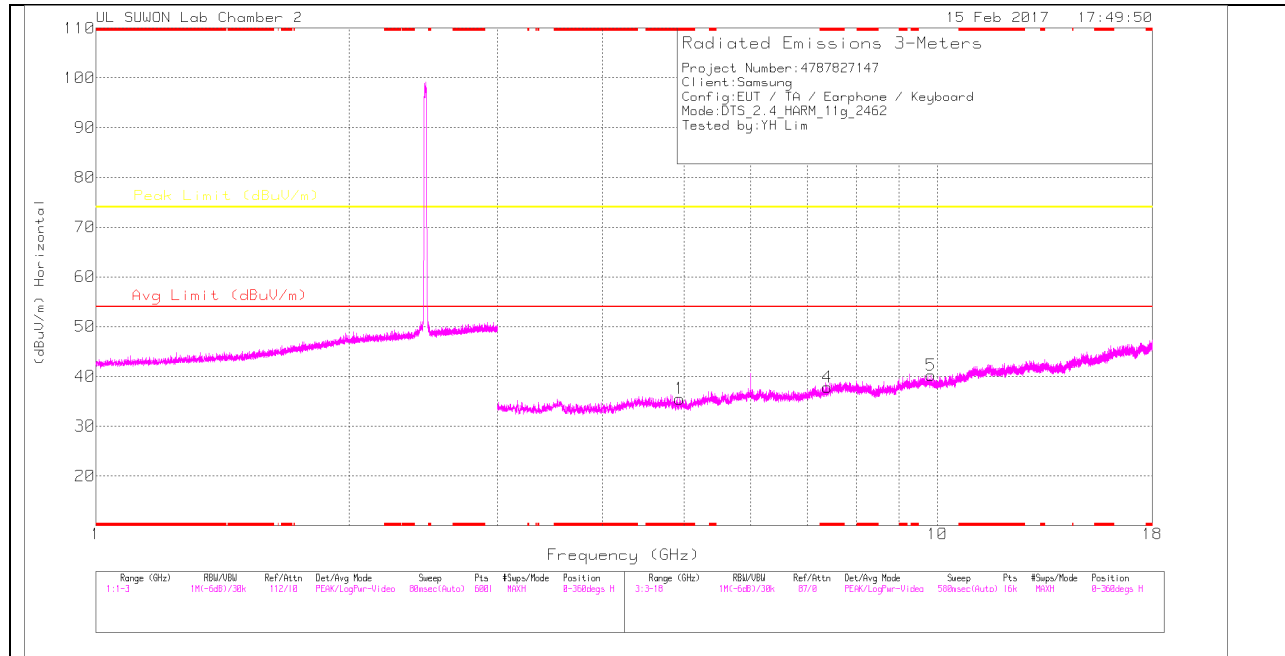
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk – Peak detector

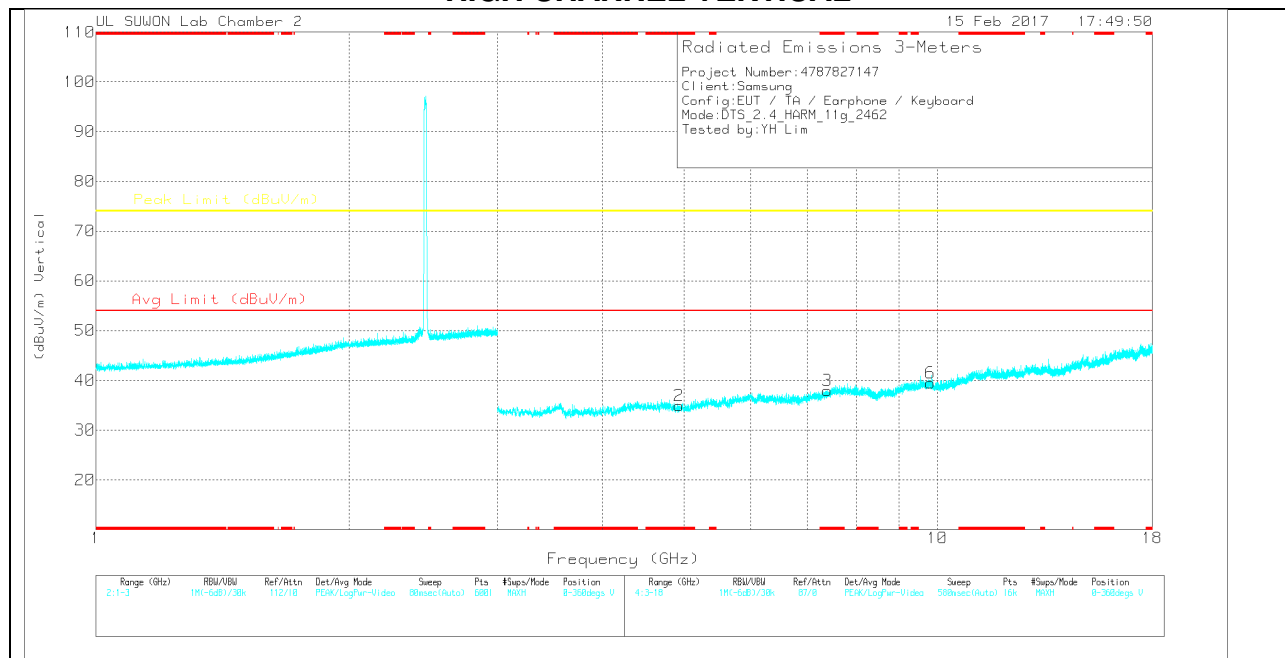
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

**802.11 g mode 2Tx CDD HARMONICS AND SPURIOUS EMISSIONS
 equipped with keyboard**

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24_150619)	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	* 4.939	26.4	Pk	33.9	-24.8	0	35.5	-	-	74	-38.5	0-360	150	H
4	* 7.394	23.25	Pk	35.9	-21.3	0	37.85	-	-	74	-36.15	0-360	150	H
5	9.818	21.01	Pk	37.1	-17.9	0	40.21	-	-	74	-33.79	0-360	150	H
2	* 4.93	25.78	Pk	33.9	-24.7	0	34.98	-	-	74	-39.02	0-360	150	V
3	* 7.396	23.26	Pk	36	-21.3	0	37.96	-	-	74	-36.04	0-360	150	V
6	9.814	20.32	Pk	37.1	-17.9	0	39.52	-	-	74	-34.48	0-360	150	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

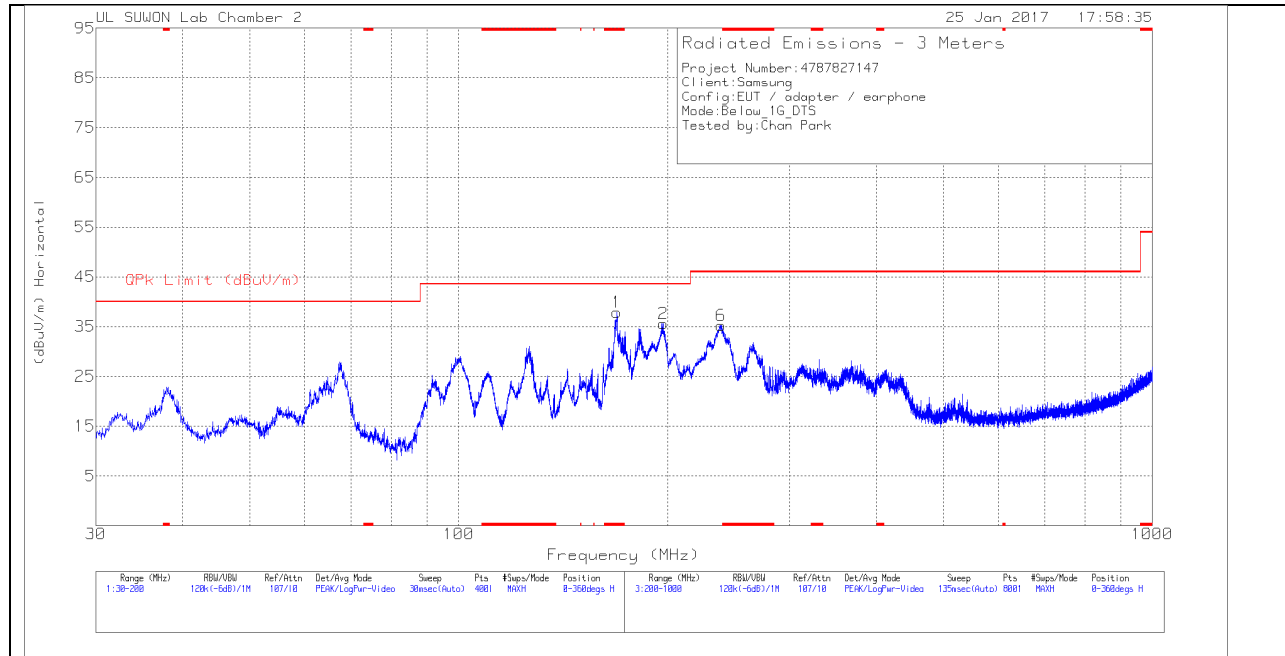
Pk – Peak detector

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

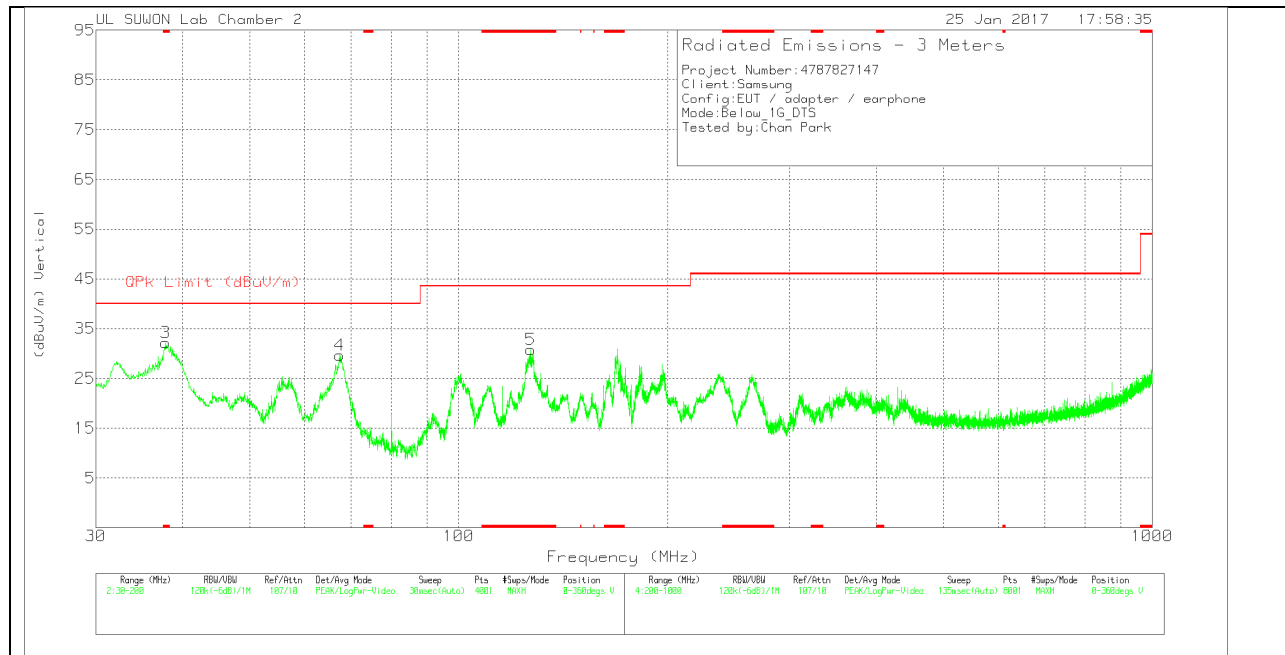
10.3. WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT



VERTICAL PLOT



Below 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 169.06	59.46	Pk	9	-30.6	37.86	43.52	-5.66	0-360	200	H
2	197.1525	55.05	Pk	11.1	-30.5	35.65	43.52	-7.87	0-360	200	H
3	* 37.82	51.86	Pk	11.9	-31.6	32.16	40	-7.84	0-360	100	V
4	67.4425	50.52	Pk	10.4	-31.3	29.62	40	-10.38	0-360	100	V
5	* 127.1125	52.5	Pk	9.2	-30.9	30.8	43.52	-12.72	0-360	100	V
6	239	53.44	Pk	12.2	-30.4	35.24	46.02	-10.78	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

Radiated Emissions

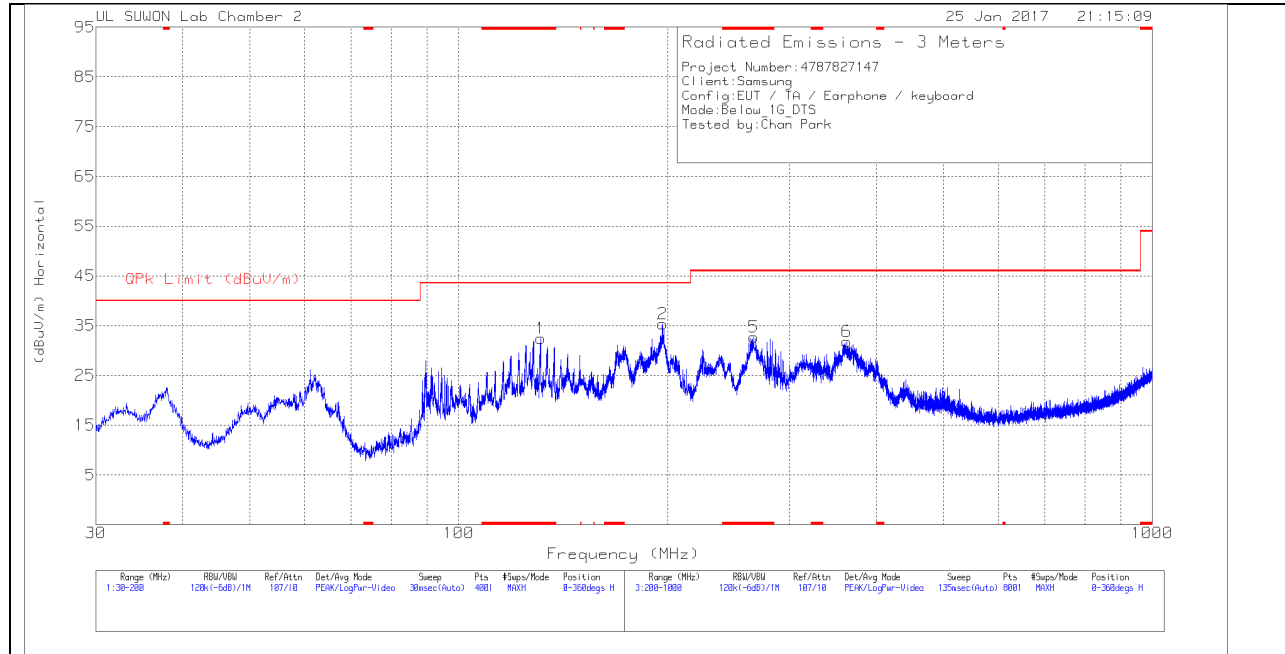
Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 169.2176	57.26	Qp	9	-30.6	35.66	43.52	-7.86	320	196	H
197.0018	52.32	Qp	11.1	-30.5	32.92	43.52	-10.6	341	163	H
* 37.8826	47.51	Qp	11.9	-31.6	27.81	40	-12.19	202	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

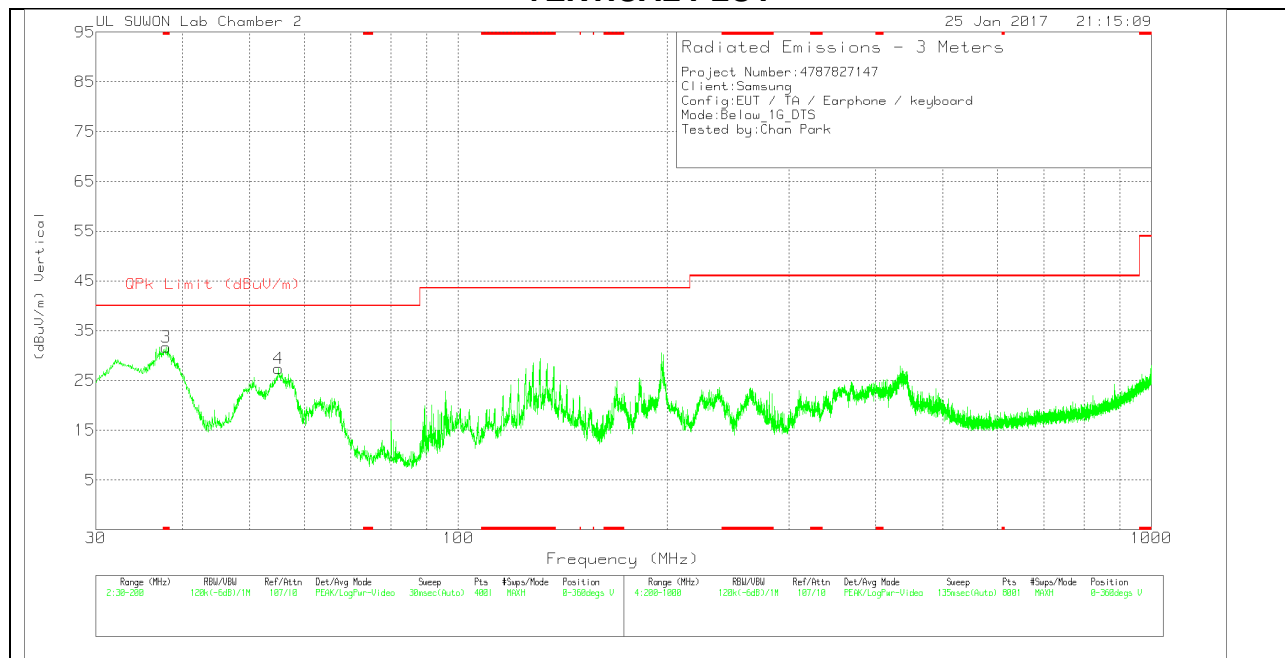
Qp - Quasi-Peak detector

**SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)
 equipped with keyboard**

HORIZONTAL PLOT



VERTICAL PLOT



Below 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 131.3625	54.6	Pk	8.8	-30.9	32.5	43.52	-11.02	0-360	200	H
2	196.685	54.72	Pk	11.1	-30.5	35.32	43.52	-8.2	0-360	200	H
3	* 37.8625	51.4	Pk	11.9	-31.6	31.7	40	-8.3	0-360	100	V
4	54.99	45.25	Pk	13.5	-31.4	27.35	40	-12.65	0-360	100	V
5	* 266.4	50.13	Pk	12.8	-30.2	32.73	46.02	-13.29	0-360	100	H
6	362.6	47.03	Pk	14.6	-29.8	31.83	46.02	-14.19	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
196.7456	49.84	Qp	11.1	-30.5	30.44	43.52	-13.08	158	168	H
* 37.8761	48.84	Qp	11.9	-31.6	29.14	40	-10.86	212	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Qp - Quasi-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.

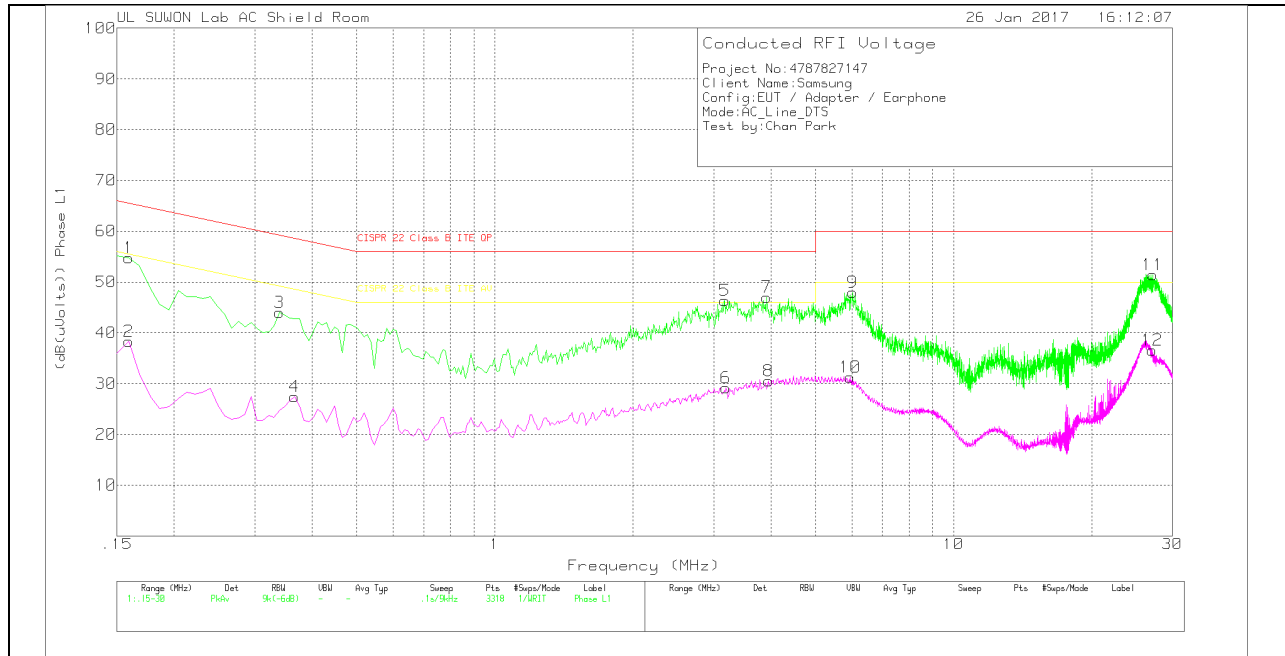
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex- cord_L1	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.159	44.86	Pk	9.9	0	54.76	65.52	-10.76	-	-
2	.159	28.47	Av	9.9	0	38.37	-	-	55.52	-17.15
3	.339	34.21	Pk	9.8	0	44.01	59.23	-15.22	-	-
4	.366	17.58	Av	9.9	0	27.48	-	-	48.59	-21.11
5	3.174	36.42	Pk	9.8	.1	46.32	56	-9.68	-	-
6	3.192	19.24	Av	9.8	.1	29.14	-	-	46	-16.86
7	3.912	37.13	Pk	9.8	.1	47.03	56	-8.97	-	-
8	3.948	20.62	Av	9.8	.1	30.52	-	-	46	-15.48
9	6.027	38.08	Pk	9.8	.1	47.98	60	-12.02	-	-
10	5.946	21.4	Av	9.8	.1	31.3	-	-	50	-18.7
11	27.168	40.49	Pk	10.6	.3	51.39	60	-8.61	-	-
12	27.087	25.72	Av	10.6	.3	36.62	-	-	50	-13.38

Pk - Peak detector

Av - Average detection

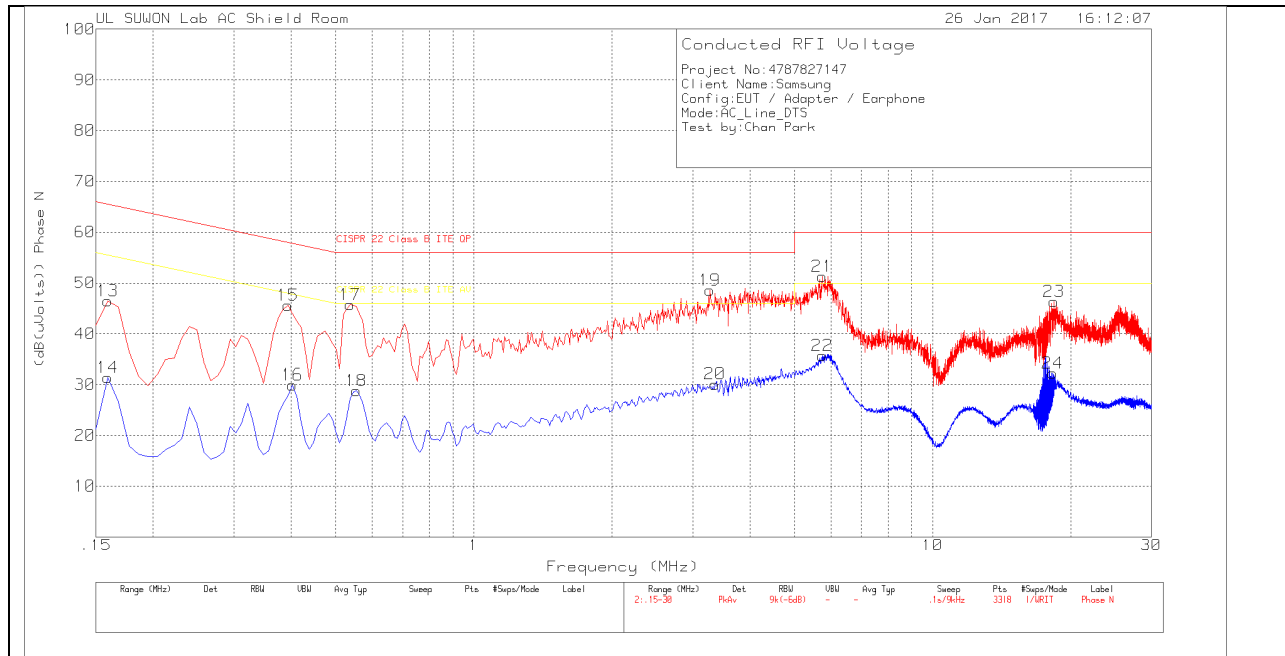
Quasi-Peak Emissions

Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101837_wit h ex-cord_L1	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
.1635	30.04	Qp	9.9	0	39.94	65.28	-25.34	-	-
.3345	21.08	Qp	9.8	0	30.88	59.34	-28.46	-	-
3.1776	24.88	Qp	9.8	.1	34.78	56	-21.22	-	-
3.9102	25.84	Qp	9.8	.1	35.74	56	-20.26	-	-
6.0315	27.99	Qp	9.8	.1	37.89	60	-22.11	-	-
27.1635	32.37	Qp	10.6	.3	43.27	60	-16.73	-	-

Qp - Quasi-Peak detector

LINE 2 PLOT



LINE 2 RESULTS

Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex- cord_N	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.159	36.61	Pk	9.9	0	46.51	65.52	-19.01	-	-
14	.159	21.47	Av	9.9	0	31.37	-	-	55.52	-24.15
15	.393	35.72	Pk	9.9	0	45.62	58	-12.38	-	-
16	.402	20.06	Av	9.9	0	29.96	-	-	47.81	-17.85
17	.537	35.8	Pk	9.9	0	45.7	56	-10.3	-	-
18	.555	18.91	Av	9.9	0	28.81	-	-	46	-17.19
19	3.273	38.65	Pk	9.8	.1	48.55	56	-7.45	-	-
20	3.354	20.19	Av	9.8	.1	30.09	-	-	46	-15.91
21	5.757	41.35	Pk	9.9	.1	51.35	60	-8.65	-	-
22	5.757	25.72	Av	9.9	.1	35.72	-	-	50	-14.28
23	18.393	35.58	Pk	10.6	.2	46.38	60	-13.62	-	-
24	18.267	21.45	Av	10.6	.2	32.25	-	-	50	-17.75

Pk - Peak detector

Av - Average detection

Qp - Quasi-Peak detector

Phase N .15 - 30MHz

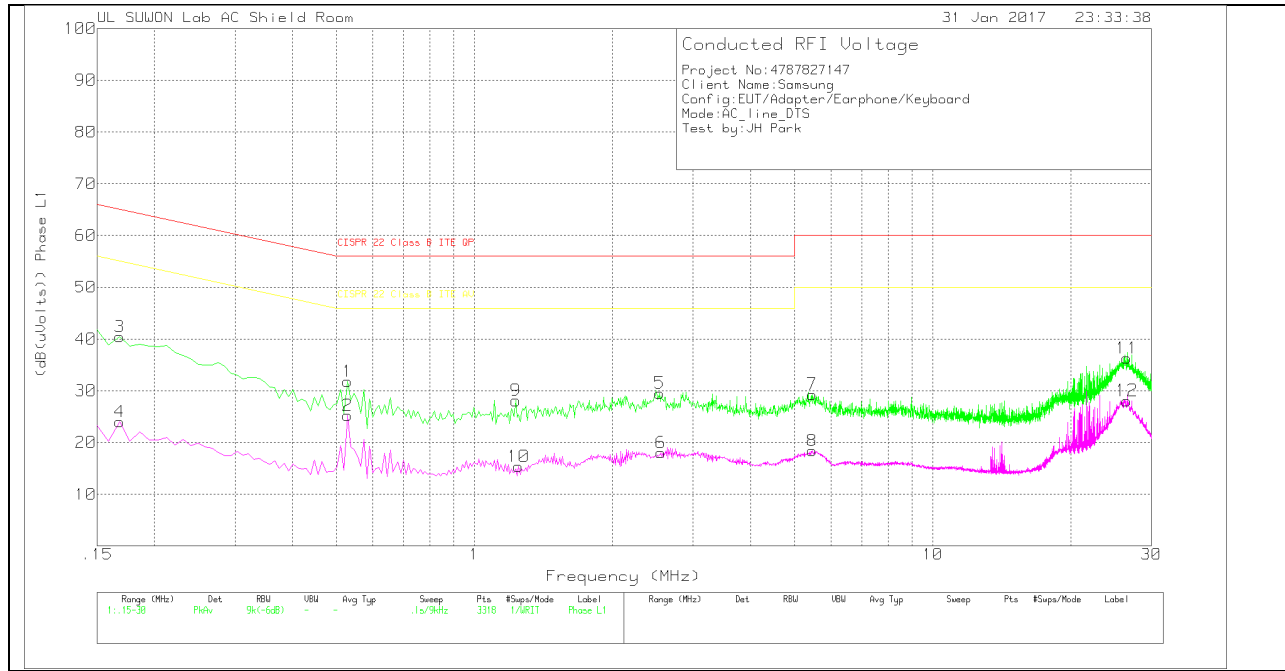
Frequency (MHz)	Meter Reading (dBuV)	Det	101837_wit h ex-cord_N	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
.1626	28.19	Qp	9.9	0	38.09	65.33	-27.24	-	-
.3975	24.82	Qp	9.9	0	34.72	57.91	-23.19	-	-
.5334	29	Qp	9.9	0	38.9	56	-17.1	-	-
3.2757	30.37	Qp	9.8	.1	40.27	56	-15.73	-	-
5.757	32.36	Qp	9.9	.1	42.36	60	-17.64	-	-
18.3912	24.65	Qp	10.6	.2	35.45	60	-24.55	-	-

Qp - Quasi-Peak detector

RESULTS equipped with keyboard

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

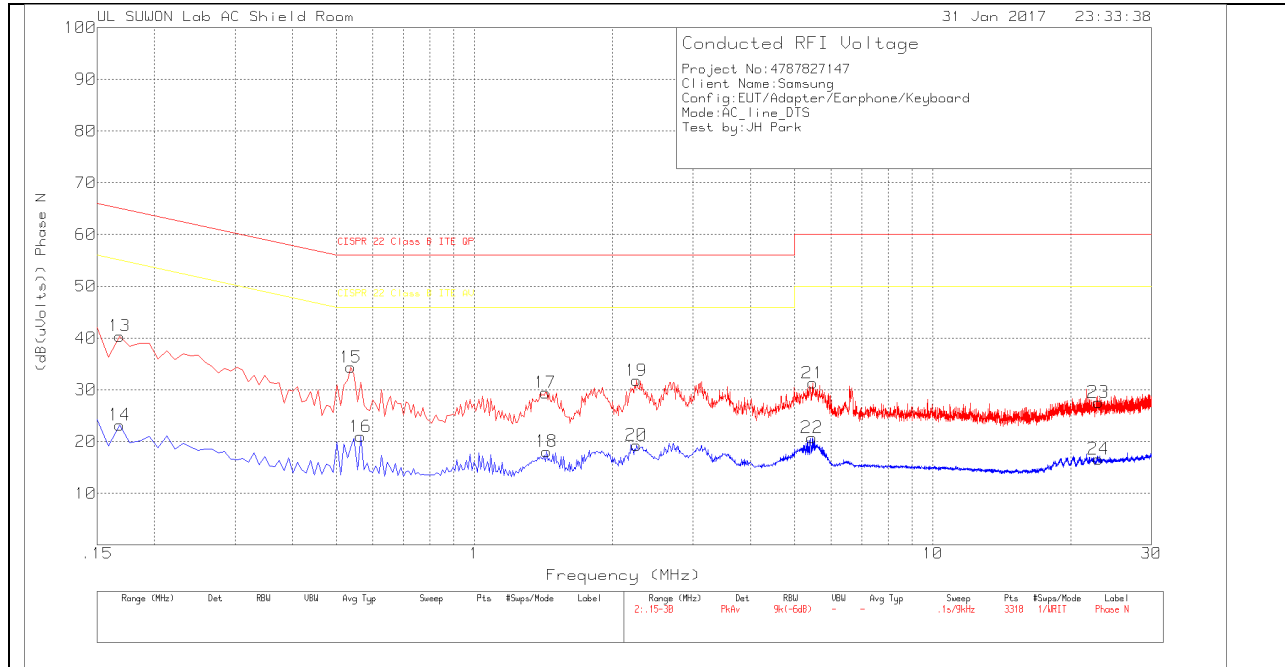
Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex- cord_L1	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.528	21.9	Pk	9.9	0	31.8	56	-24.2	-	-
2	.528	15.32	Av	9.9	0	25.22	-	-	46	-20.78
3	.168	30.43	Pk	10	0	40.43	65.06	-24.63	-	-
4	.168	14.02	Av	10	0	24.02	-	-	55.06	-31.04
5	2.535	19.74	Pk	9.7	.1	29.54	56	-26.46	-	-
6	2.553	8.24	Av	9.7	.1	18.04	-	-	46	-27.96
7	5.46	19.37	Pk	9.8	.1	29.27	60	-30.73	-	-
8	5.46	8.52	Av	9.8	.1	18.42	-	-	50	-31.58
9	1.23	18.21	Pk	9.8	.1	28.11	56	-27.89	-	-
10	1.248	5.46	Av	9.8	.1	15.36	-	-	46	-30.64
11	26.547	25.42	Pk	10.6	.3	36.32	60	-23.68	-	-
12	26.547	17.18	Av	10.6	.3	28.08	-	-	50	-21.92

Pk - Peak detector

Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex-cord_N	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.168	30.39	Pk	10	0	40.39	65.06	-24.67	-	-
14	.168	13.2	Av	10	0	23.2	-	-	55.06	-31.86
15	.537	24.45	Pk	9.9	0	34.35	56	-21.65	-	-
16	.564	11.05	Av	9.9	0	20.95	-	-	46	-25.05
17	1.428	19.56	Pk	9.8	.1	29.46	56	-26.54	-	-
18	1.437	8.19	Av	9.8	.1	18.09	-	-	46	-27.91
19	2.256	22.02	Pk	9.7	.1	31.82	56	-24.18	-	-
20	2.256	9.52	Av	9.7	.1	19.32	-	-	46	-26.68
21	5.469	21.31	Pk	9.9	.1	31.31	60	-28.69	-	-
22	5.451	10.75	Av	9.9	.1	20.75	-	-	50	-29.25
23	22.983	16.58	Pk	10.8	.2	27.58	60	-32.42	-	-
24	23.001	5.63	Av	10.8	.2	16.63	-	-	50	-33.37

Pk - Peak detector

Av - Average detection