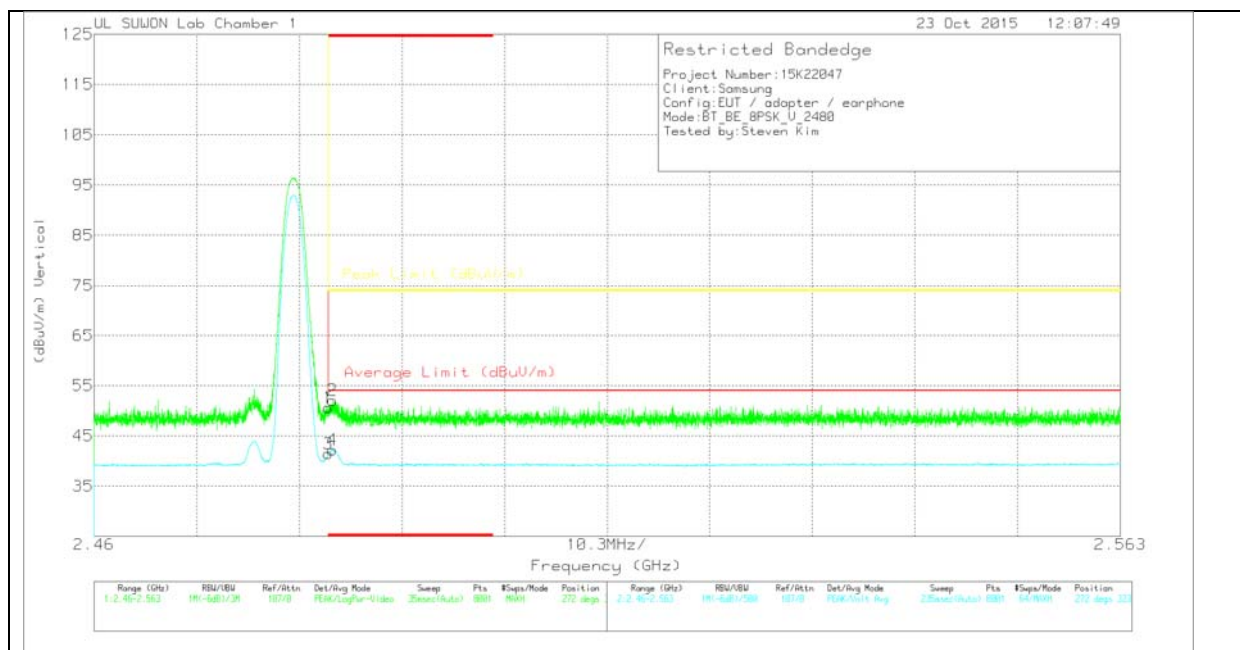


VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

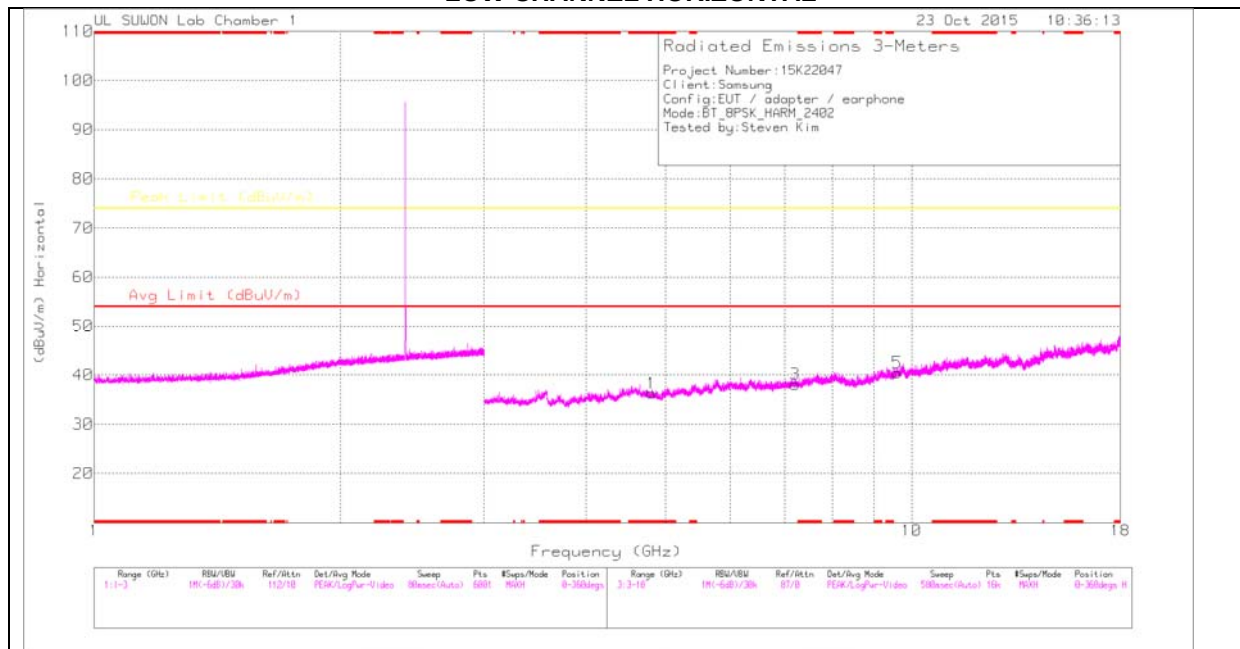
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2_10 dB	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.94	Pk	32	-28.3	50.64	-	-	74	-23.36	272	323	V
2	* 2.484	48.39	Pk	32	-28.3	52.09	-	-	74	-21.91	272	323	V
3	* 2.484	37.76	V1TV	32	-28.3	41.46	54	-12.54	-	-	272	323	V
4	* 2.484	38.52	V1TV	32	-28.3	42.22	54	-11.78	-	-	272	323	V

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

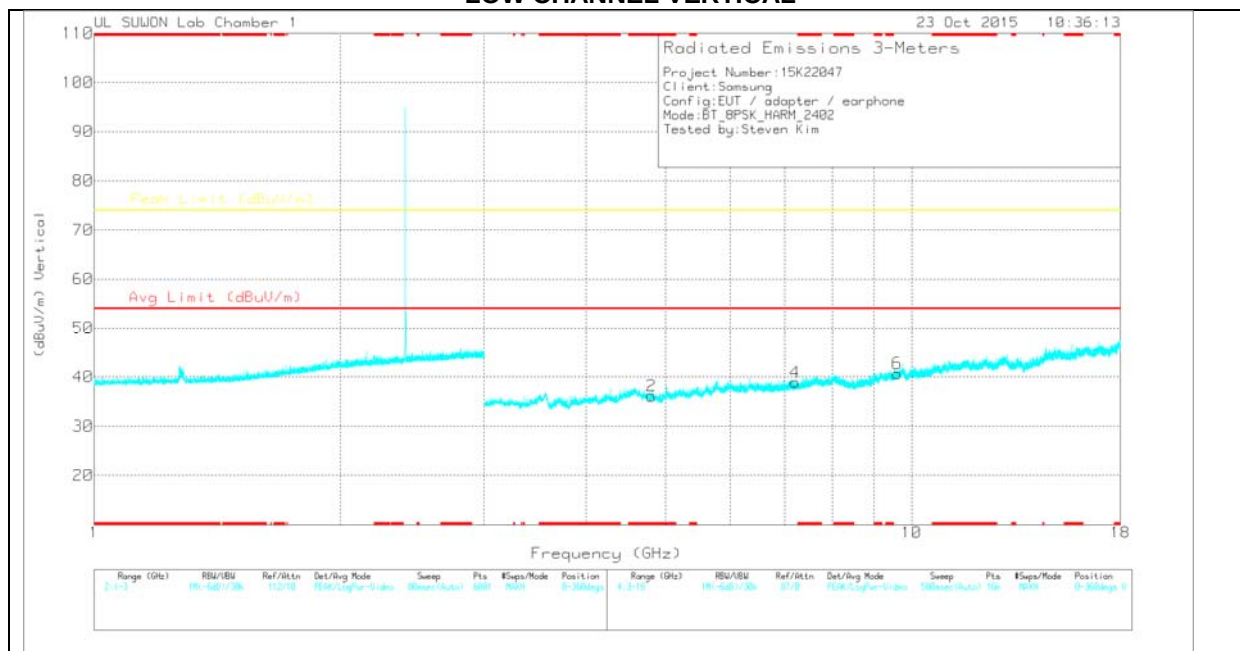
Pk - Peak detector

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

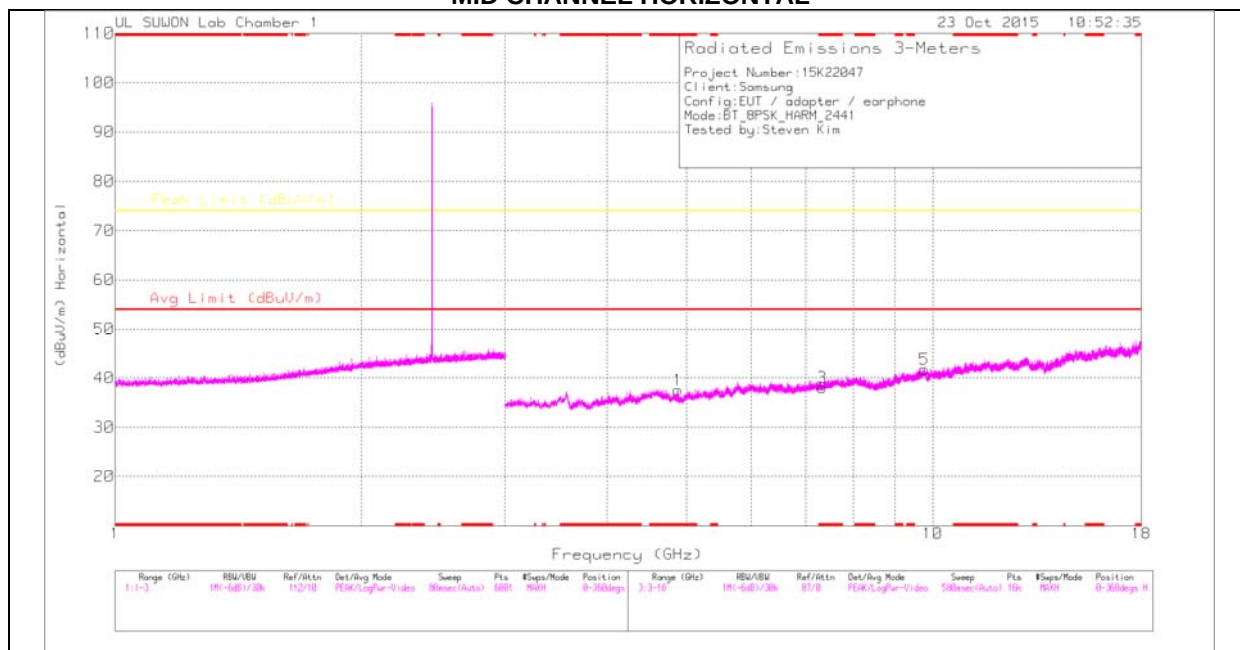
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3_3G HP	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.804	35.32	PK	34	-33	36.32	-	-	74	-37.68	0-360	200	H
3	7.206	32.42	PK	35.7	-30	38.12	-	-	74	-35.88	0-360	200	H
5	9.608	30.05	PK	37	-26.6	40.45	-	-	74	-33.55	0-360	100	H
2	* 4.804	35.13	PK	34	-33	36.13	-	-	74	-37.87	0-360	100	V
4	7.206	33.2	PK	35.7	-30	38.9	-	-	74	-35.1	0-360	200	V
6	9.608	30.31	PK	37	-26.6	40.71	-	-	74	-33.29	0-360	200	V

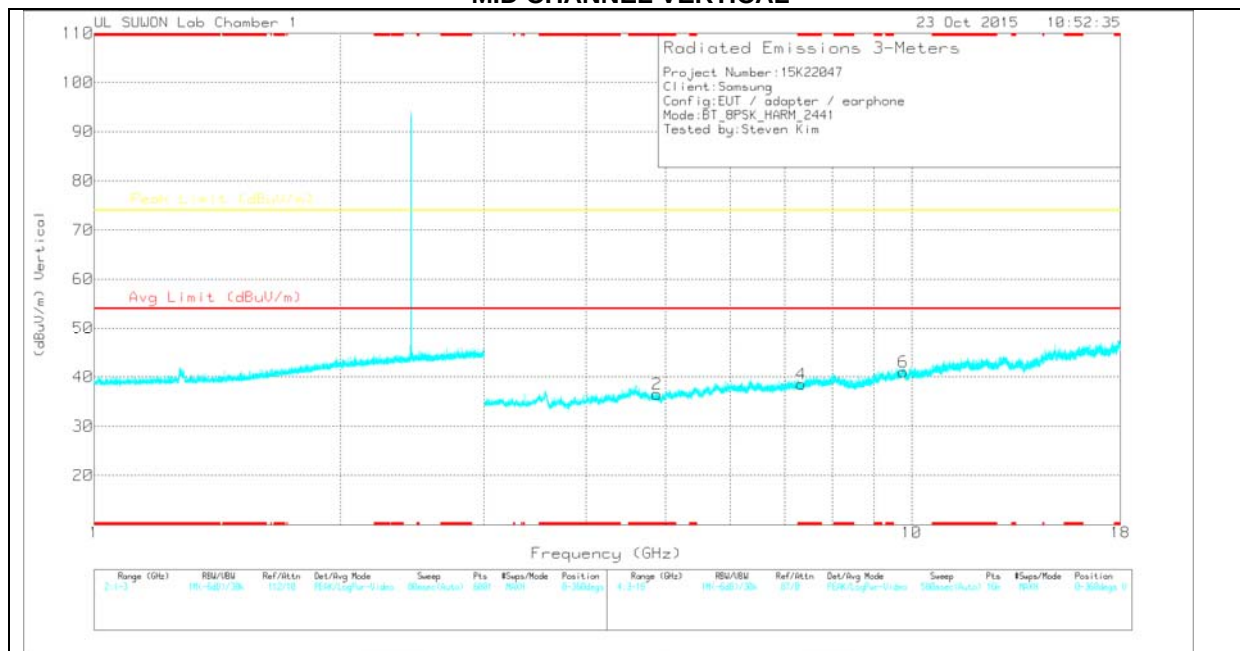
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

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

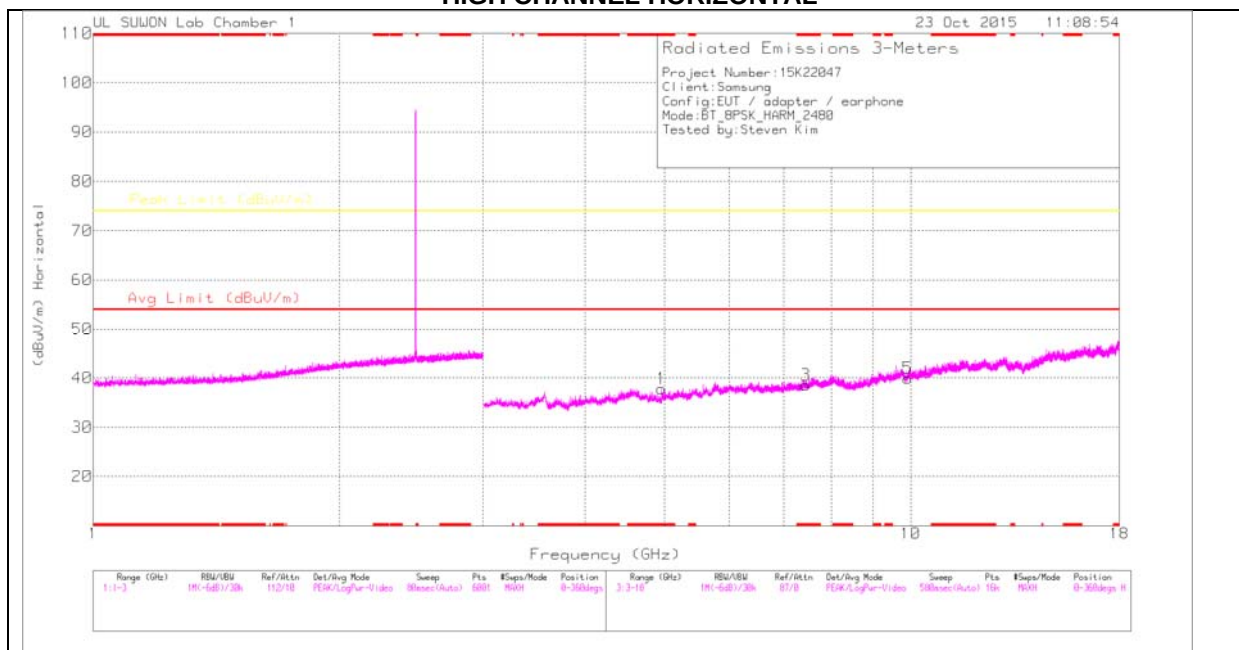
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3_3G HP	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.881	36.64	PK	34	-33.1	37.54	-	-	74	-36.46	0-360	100	H
3	* 7.323	32.23	PK	35.8	-30	38.03	-	-	74	-35.97	0-360	100	H
5	9.764	30.54	PK	37.2	-26	41.74	-	-	74	-32.26	0-360	200	H
2	* 4.881	35.62	PK	34	-33.1	36.52	-	-	74	-37.48	0-360	100	V
4	* 7.323	32.73	PK	35.8	-30	38.53	-	-	74	-35.47	0-360	200	V
6	9.764	29.81	PK	37.2	-26	41.01	-	-	74	-32.99	0-360	100	V

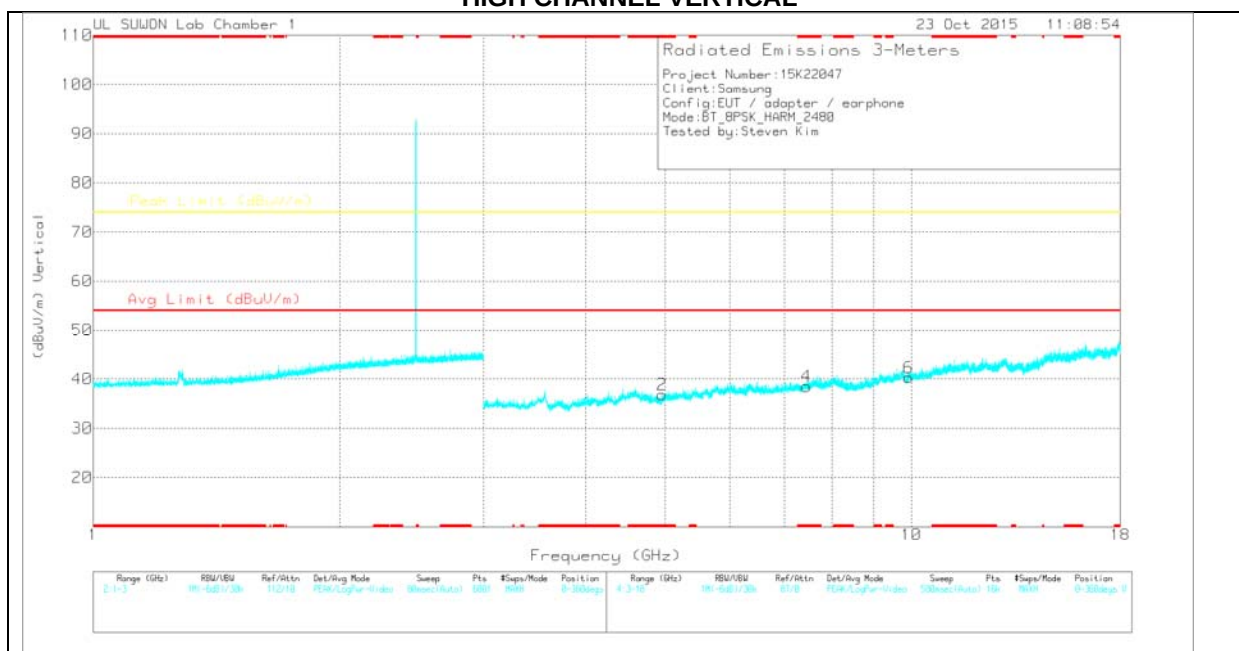
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

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(0016 8717)_150 619	Path_3_3G HP	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.96	36.93	PK	34	-33.1	37.83	-	-	74	-36.17	0-360	100	H
3	* 7.441	32.69	PK	35.8	-29.9	38.59	-	-	74	-35.41	0-360	200	H
5	9.92	29.17	PK	37.4	-26.6	39.97	-	-	74	-34.03	0-360	100	H
2	* 4.96	35.94	PK	34	-33.1	36.84	-	-	74	-37.16	0-360	200	V
4	* 7.441	32.61	PK	35.8	-29.9	38.51	-	-	74	-35.49	0-360	100	V
6	9.92	29.5	PK	37.4	-26.6	40.3	-	-	74	-33.7	0-360	100	V

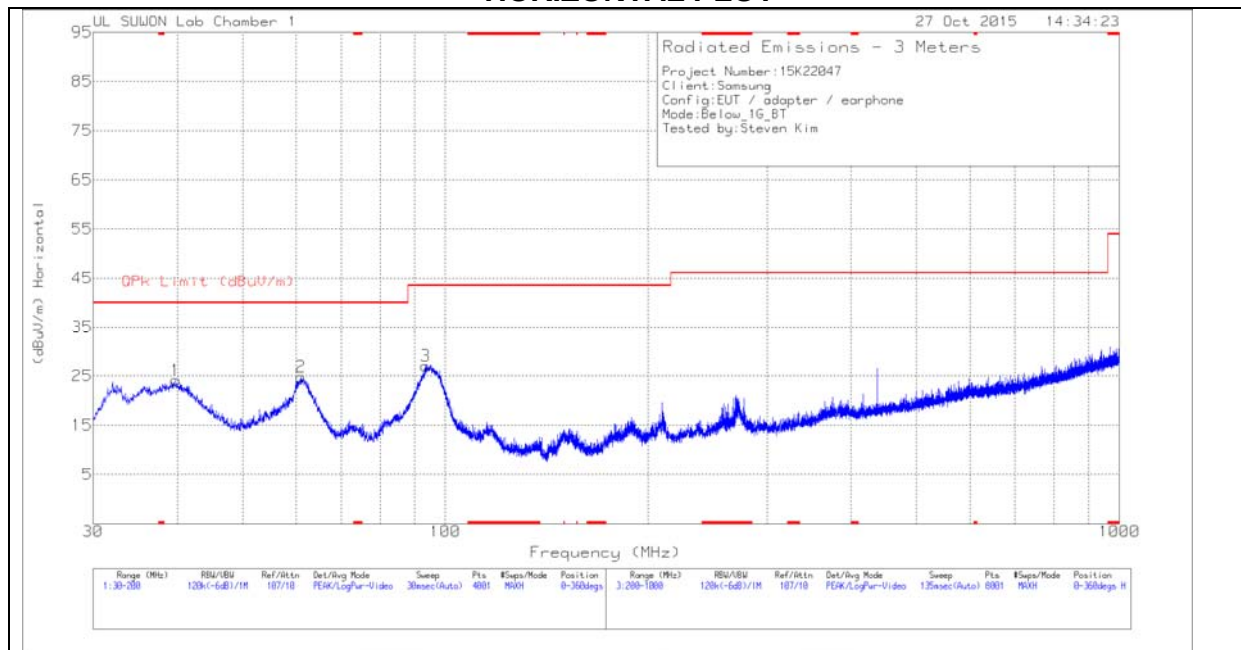
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

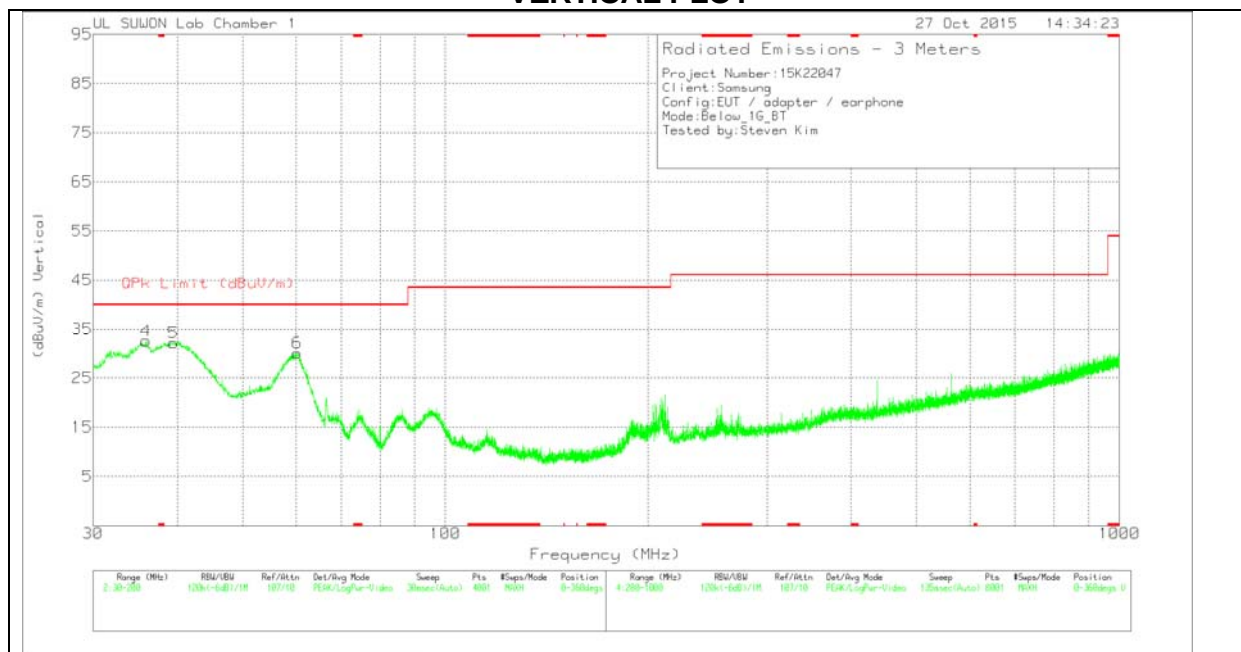
9.3. WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT



VERTICAL PLOT



BELOW 1 GHz TABLE

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	Below_1G	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	39.8175	42.04	Pk	12.4	-30.3	24.14	40	-15.86	0-360	300	H
2	61.025	42.44	Pk	12.3	-29.9	24.84	40	-15.16	0-360	400	H
3	93.4525	46.26	Pk	10.2	-29.4	27.06	43.52	-16.46	0-360	300	H
4	35.95	52.08	Pk	10.9	-30.4	32.58	40	-7.42	0-360	100	V
5	39.4988	50.2	Pk	12.3	-30.3	32.2	40	-7.8	0-360	100	V
6	60.26	47.38	Pk	12.6	-29.9	30.08	40	-9.92	0-360	200	V

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

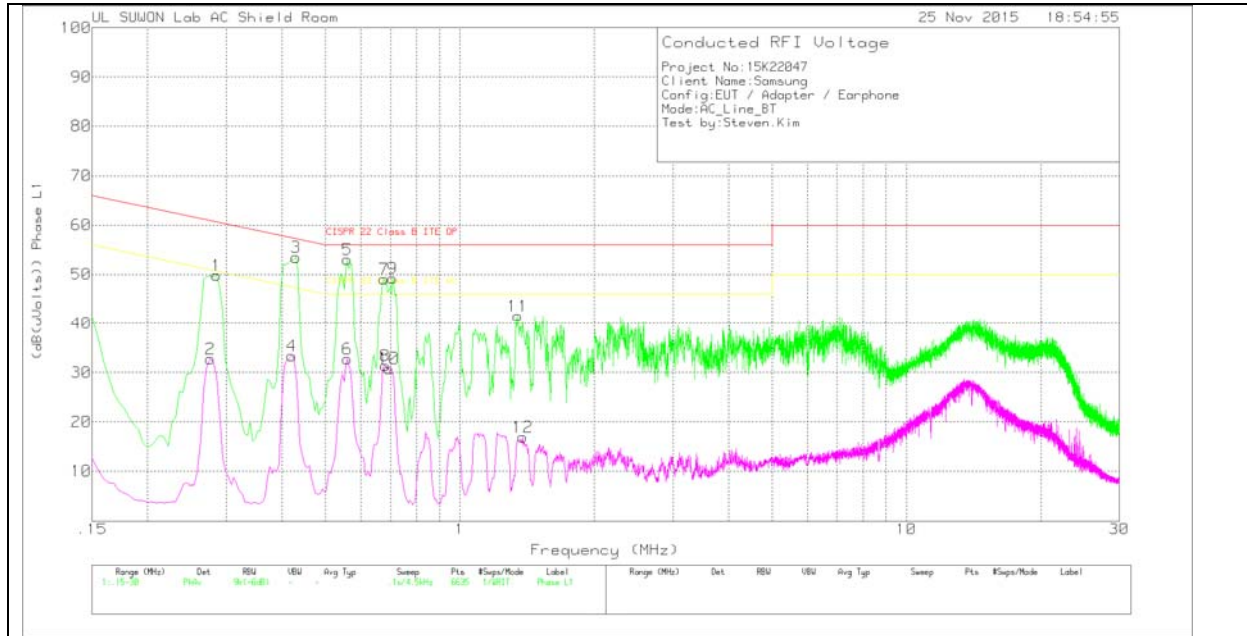
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

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	.285	40	Pk	9.8	0	49.8	60.67	-10.87	-	-
2	.276	22.91	Av	9.8	0	32.71	-	-	50.94	-18.23
3	.429	43.37	Pk	10.1	0	53.47	57.27	-3.8	-	-
4	.42	23.29	Av	10.1	0	33.39	-	-	47.45	-14.06
5	.5595	42.97	Pk	10.1	0	53.07	56	-2.93	-	-
6	.5595	22.64	Av	10.1	0	32.74	-	-	46	-13.26
7	.6765	38.96	Pk	10.1	0	49.06	56	-6.94	-	-
8	.681	21.32	Av	10.1	0	31.42	-	-	46	-14.58
9	.708	39.08	Pk	10.1	0	49.18	56	-6.82	-	-
10	.6945	20.73	Av	10.1	0	30.83	-	-	46	-15.17
11	1.347	31.65	Pk	9.8	.1	41.55	56	-14.45	-	-
12	1.383	7.03	Av	9.8	.1	16.93	-	-	46	-29.07

Pk - Peak detector

Av - Average detection

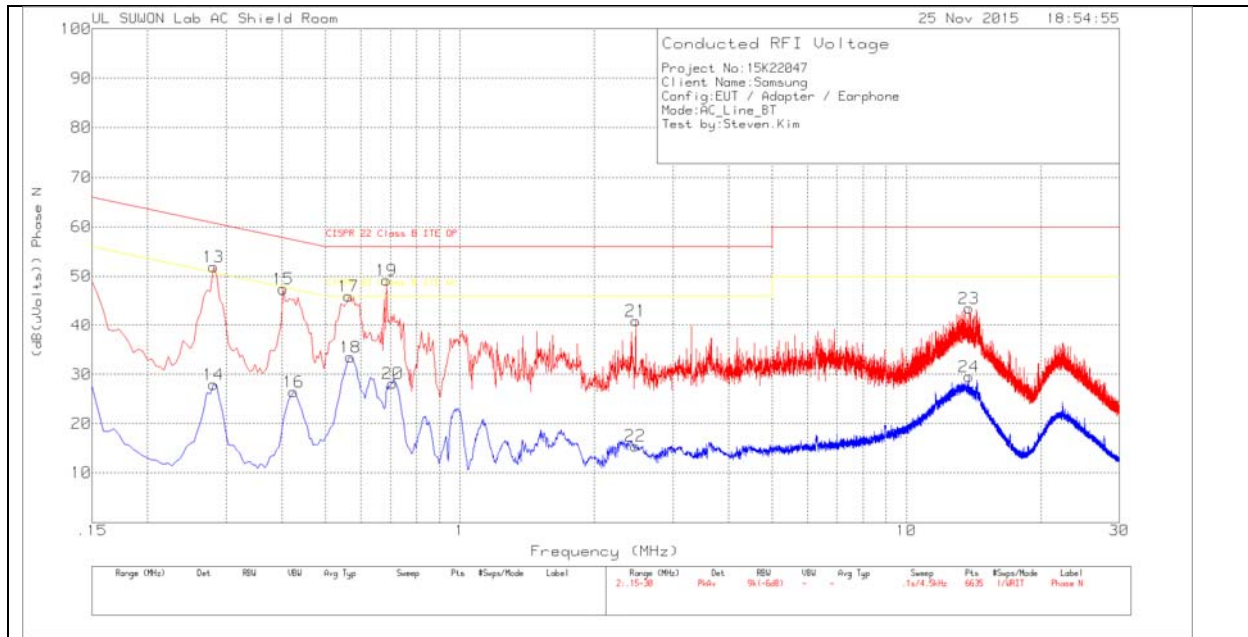
Quasi-Peak Emissions

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)
.2823	34.6	Qp	9.8	0	44.4	60.75	-16.35	-	-
.4245	32.57	Qp	10.1	0	42.67	57.36	-14.69	-	-
.564	32.01	Qp	10.1	0	42.11	56	-13.89	-	-
.6765	24.22	Qp	10.1	0	34.32	56	-21.68	-	-
.7035	26.3	Qp	10.1	0	36.4	56	-19.6	-	-
1.347	11.78	Qp	9.8	.1	21.68	56	-34.32	-	-

Qp - Quasi-Peak detector

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	.2805	42.17	Pk	9.8	0	51.97	60.8	-8.83	-	-
14	.2805	18.16	Av	9.8	0	27.96	-	-	50.8	-22.84
15	.402	37.31	Pk	10.1	0	47.41	57.81	-10.4	-	-
16	.4245	16.39	Av	10.1	0	26.49	-	-	47.36	-20.87
17	.564	35.89	Pk	10.1	0	45.99	56	-10.01	-	-
18	.5685	23.43	Av	10.1	0	33.53	-	-	46	-12.47
19	.6855	39.17	Pk	10	0	49.17	56	-6.83	-	-
20	.708	18.14	Av	10	0	28.14	-	-	46	-17.86
21	2.4765	31.07	Pk	9.8	.1	40.97	56	-15.03	-	-
22	2.472	5.59	Av	9.8	.1	15.49	-	-	46	-30.51
23	13.8075	33.07	Pk	10.2	.2	43.47	60	-16.53	-	-
24	13.8075	19.11	Av	10.2	.2	29.51	-	-	50	-20.49

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

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)
.2814	34.56	Qp	9.8	0	44.36	60.77	-16.41	-	-
.4056	30.67	Qp	10.1	0	40.77	57.74	-16.97	-	-
.5613	31.14	Qp	10.1	0	41.24	56	-14.76	-	-
.6819	24.51	Qp	10	0	34.51	56	-21.49	-	-
2.4801	13.36	Qp	9.8	.1	23.26	56	-32.74	-	-
13.803	22.43	Qp	10.2	.2	32.83	60	-27.17	-	-

Qp - Quasi-Peak detector