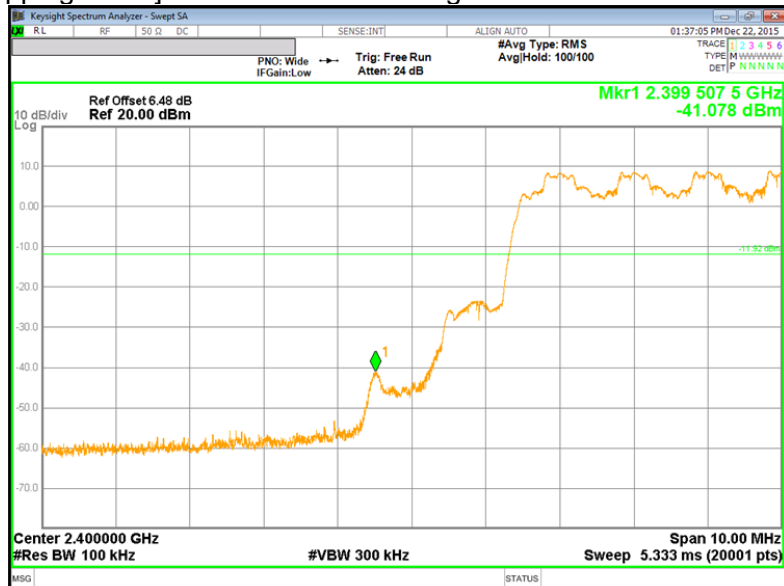
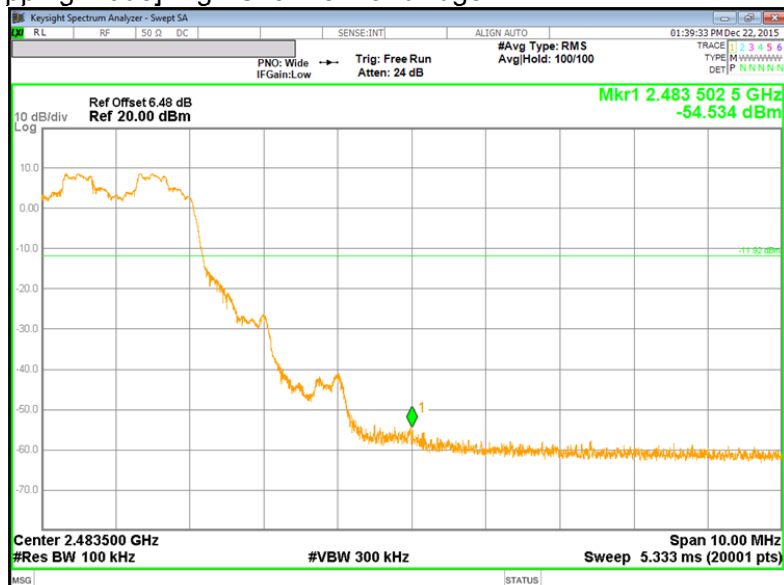


BandEdge Emission at PI/4-DQPSK Hopping Mode

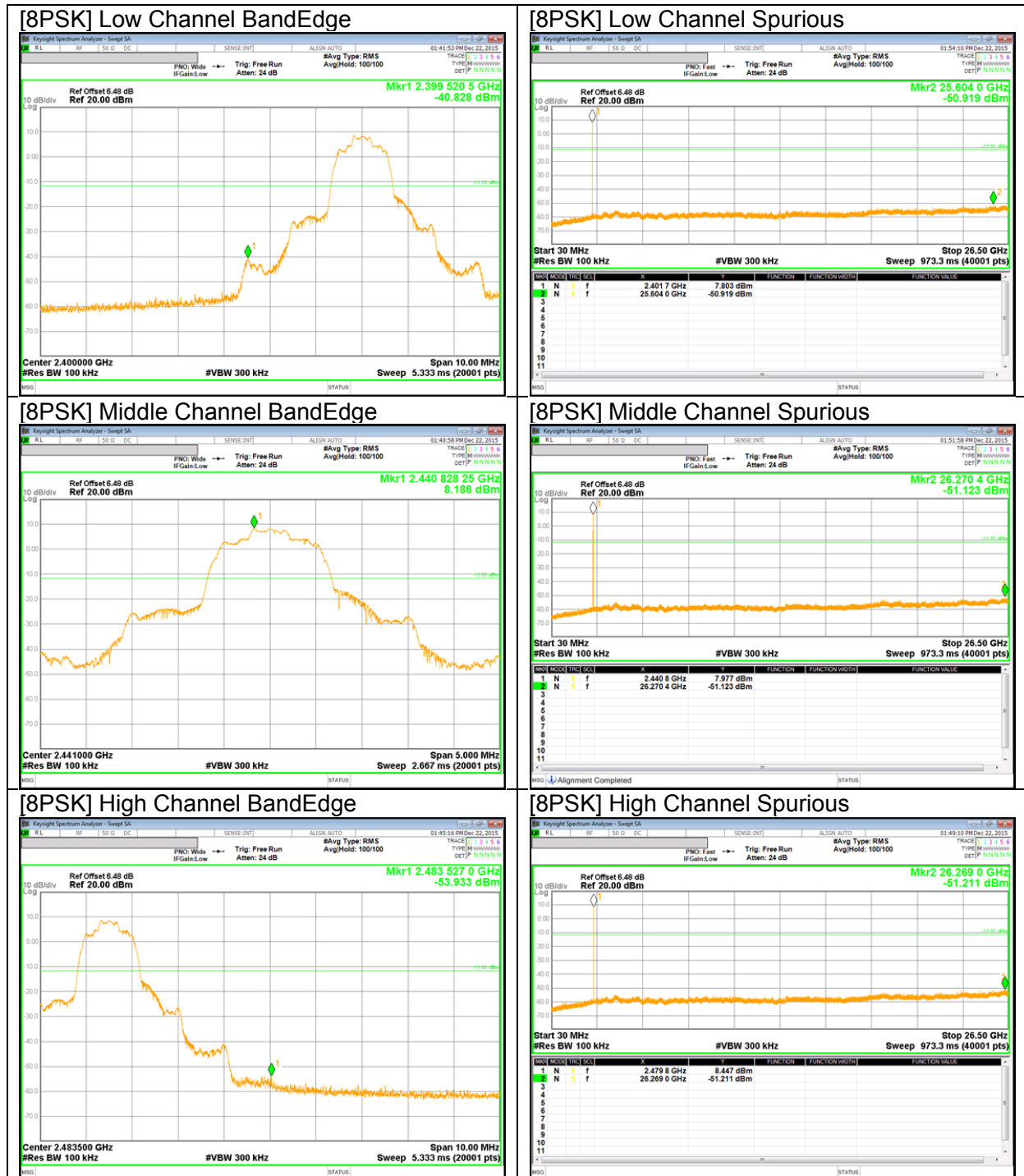
[PI/4-DQPSK Hopping Mode] Low Channel BandEdge



[PI/4-DQPSK Hopping Mode] High Channel BandEdge

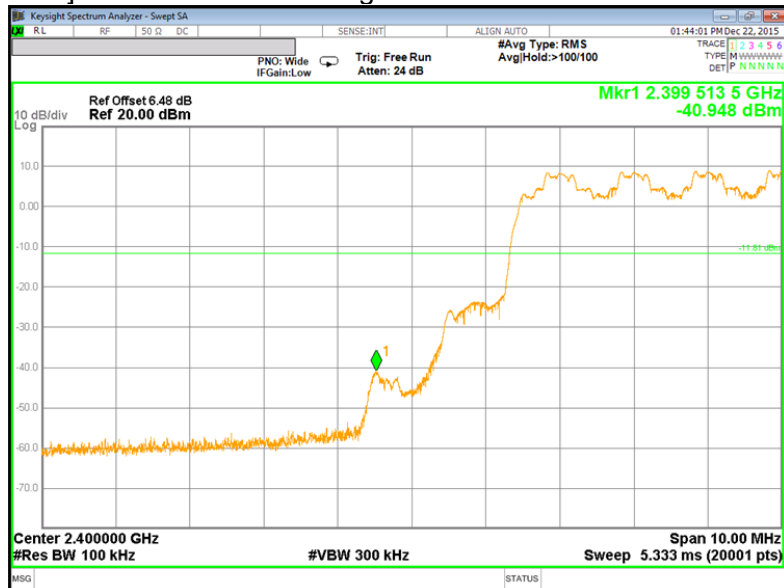


8PSK Mode

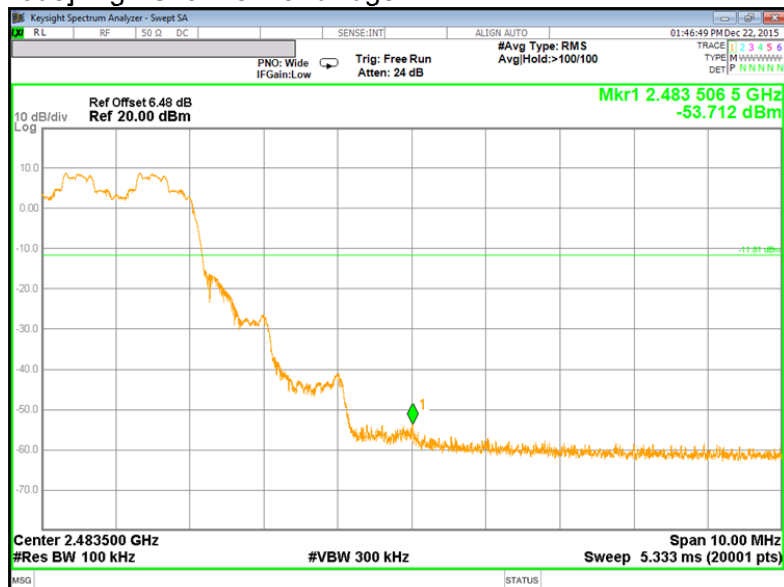


BandEdge Emission at 8PSK Hopping Mode

[8PSK Hopping Mode] Low Channel BandEdge



[8PSK Hopping Mode] High Channel BandEdge



9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For band edge measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 1/T (on time) for average measurement.

$GFSK = 1/T = 1 / 0.0029S = 350Hz$.

The spectrum from 1GHzHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

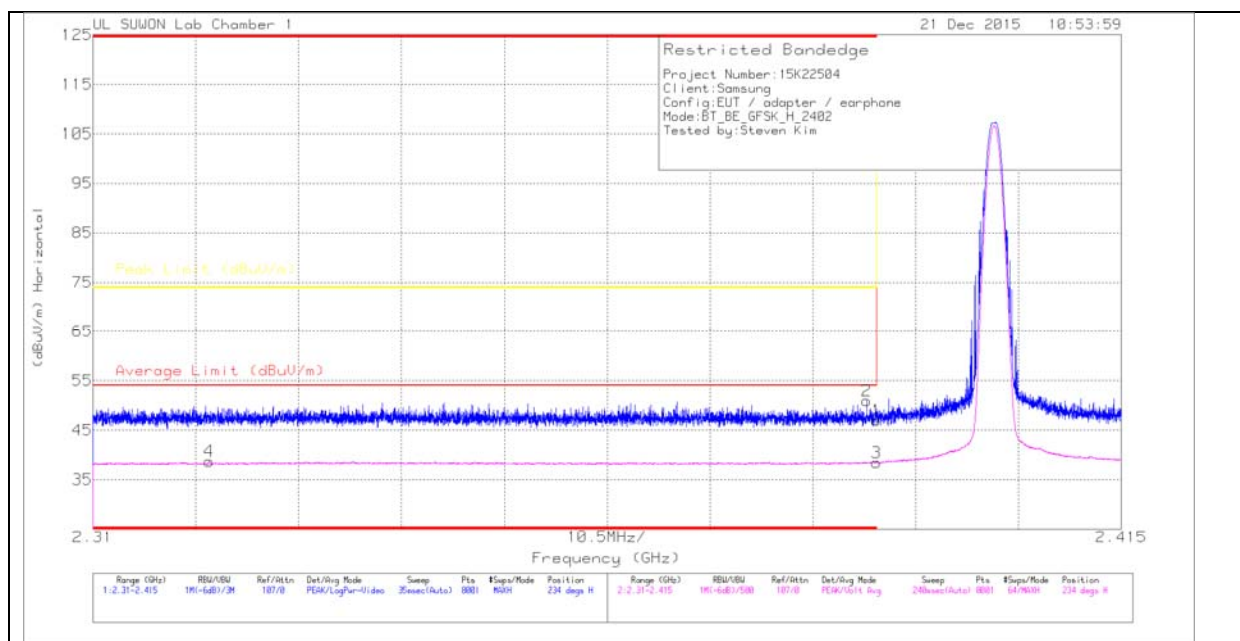
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. BASIC DATA RATE GFSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

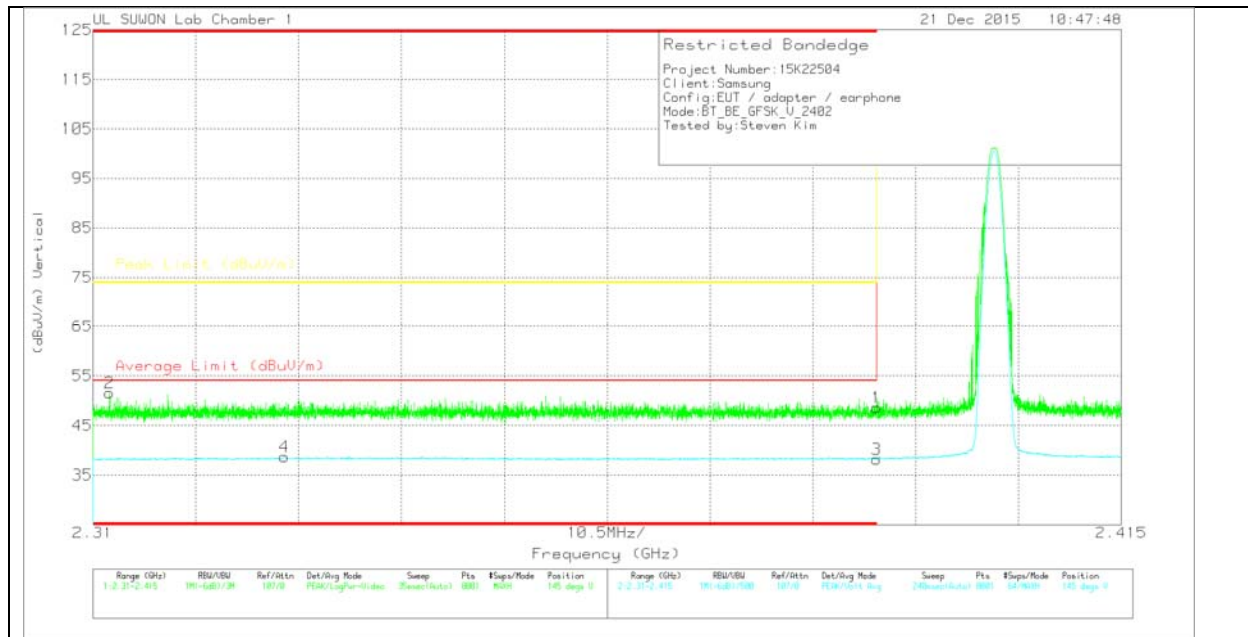
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.23	Pk	31.8	-29	47.03	-	-	74	-26.97	234	105	H
2	* 2.389	48.2	Pk	31.8	-29	51	-	-	74	-23	234	105	H
3	* 2.39	35.68	V1TV	31.8	-29	38.48	54	-15.52	-	-	234	105	H
4	* 2.322	36.06	V1TV	31.7	-29	38.76	54	-15.24	-	-	234	105	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

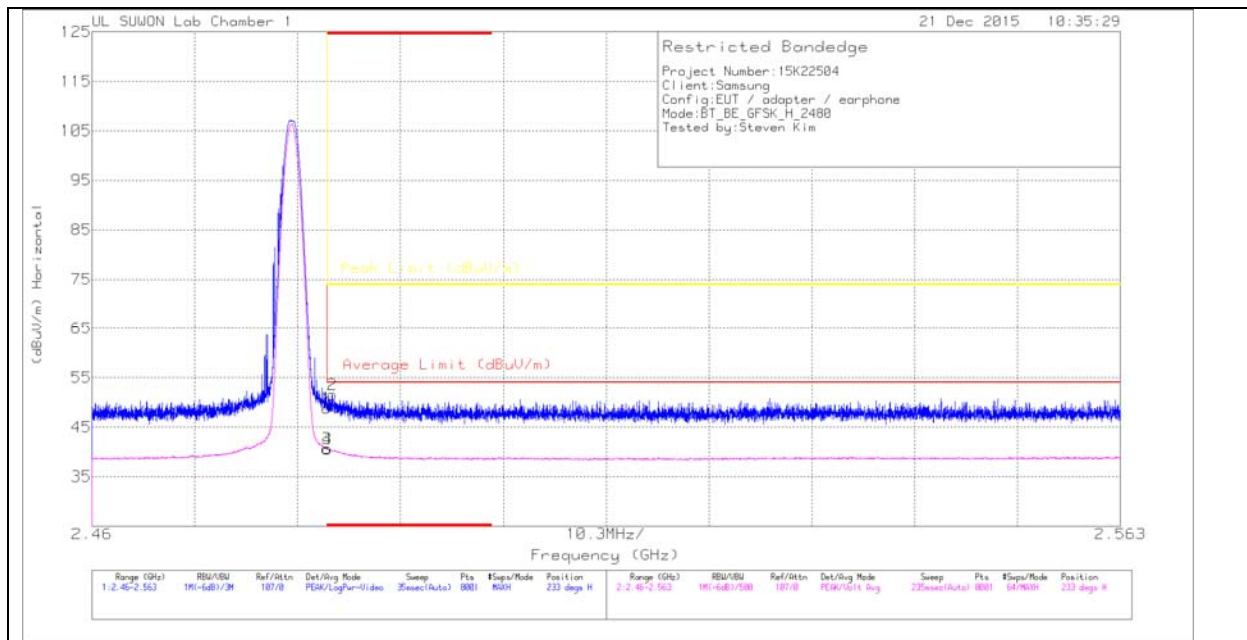
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.79	Pk	31.8	-29	48.59	-	-	74	-25.41	145	243	V
2	* 2.312	48.98	Pk	31.7	-29.1	51.58	-	-	74	-22.42	145	243	V
3	* 2.39	35.42	V1TV	31.8	-29	38.22	54	-15.78	-	-	145	243	V
4	* 2.33	35.98	V1TV	31.7	-29	38.68	54	-15.32	-	-	145	243	V

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

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

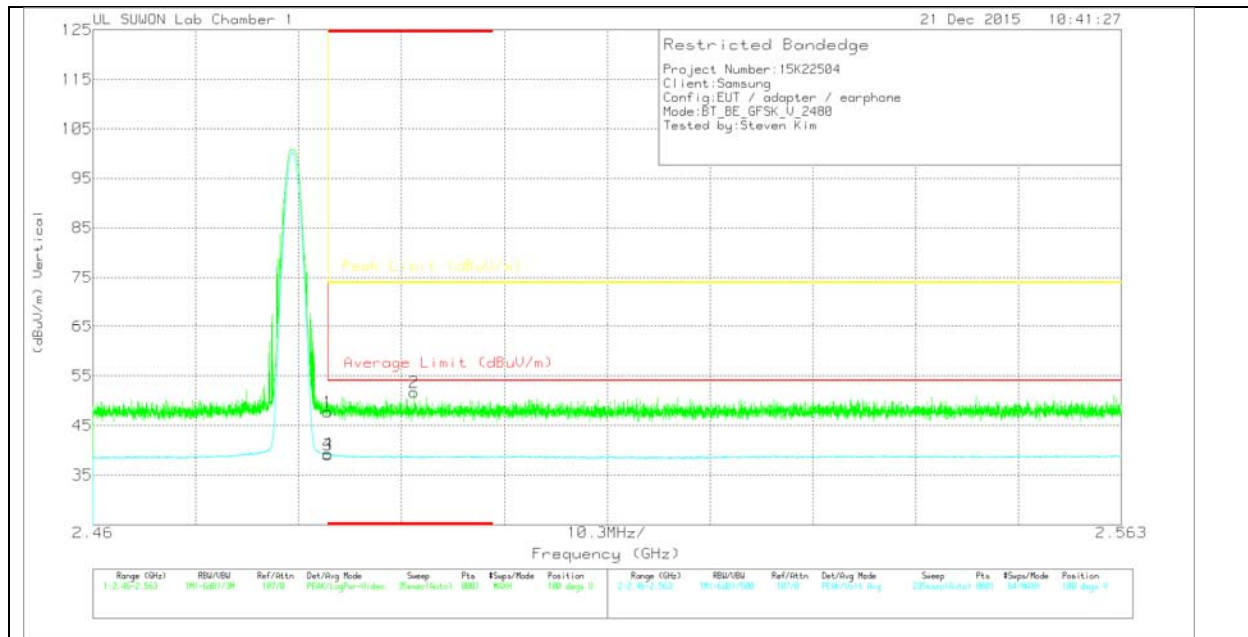
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	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	45.76	Pk	32	-28.9	48.86	-	-	74	-25.14	233	101	H
2	* 2.484	48.46	Pk	32	-28.9	51.56	-	-	74	-22.44	233	101	H
3	* 2.484	37.58	V1TV	32	-28.9	40.68	54	-13.32	-	-	233	101	H
4	* 2.484	37.43	V1TV	32	-28.9	40.53	54	-13.47	-	-	233	101	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

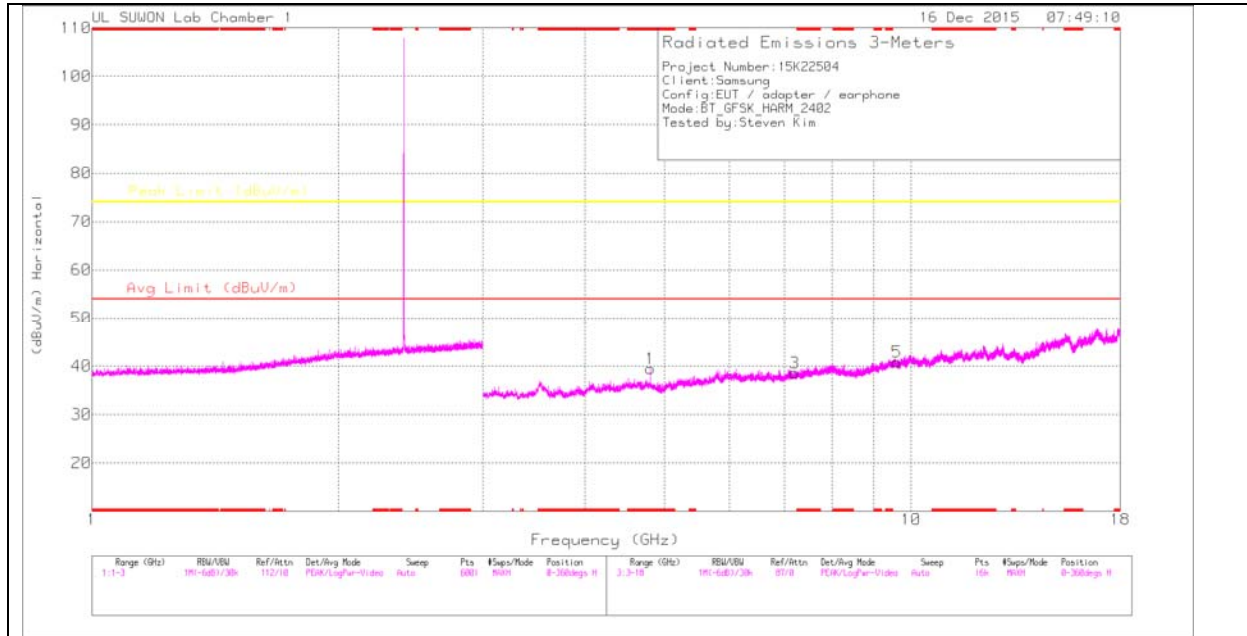
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.6	Pk	32	-28.9	47.7	-	-	74	-26.3	100	340	V
2	* 2.492	48.56	Pk	32	-28.9	51.66	-	-	74	-22.34	100	340	V
3	* 2.484	35.97	V1TV	32	-28.9	39.07	54	-14.93	-	-	100	340	V
4	* 2.484	36.17	V1TV	32	-28.9	39.27	54	-14.73	-	-	100	340	V

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

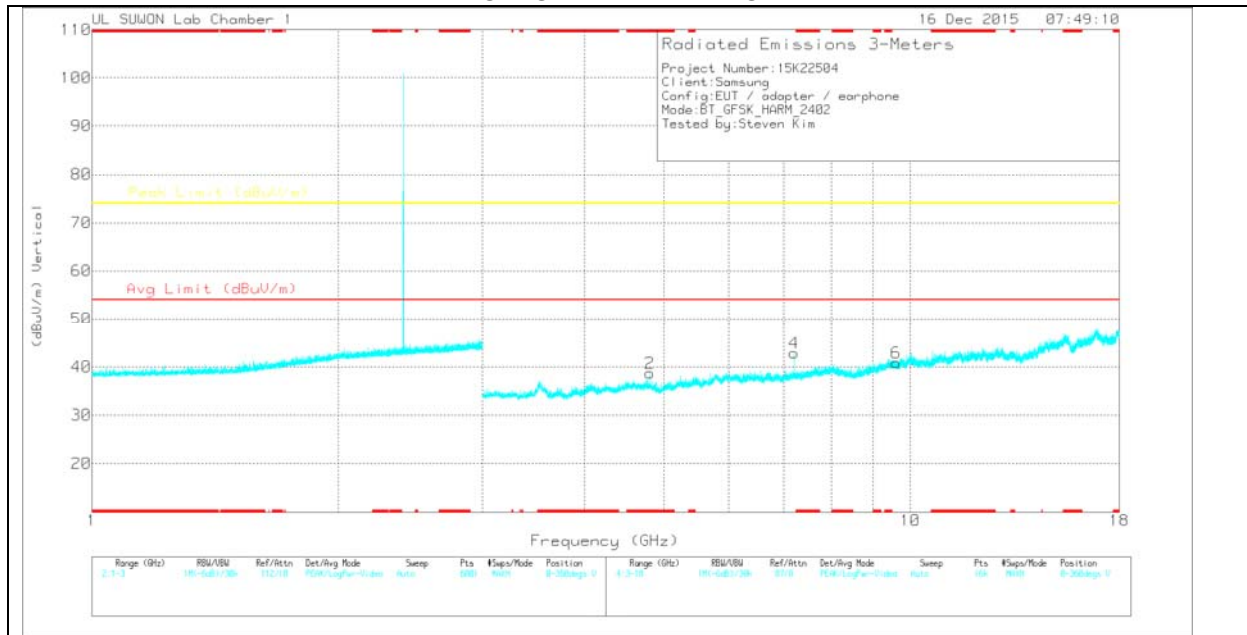
Pk - Peak detector

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	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.804	39.28	PK	34	-33.8	39.48	-	-	74	-34.52	0-360	100	H
3	7.207	33.75	PK	35.7	-30.8	38.65	-	-	74	-35.35	0-360	200	H
5	9.61	31.16	PK	37	-27.3	40.86	-	-	74	-33.14	0-360	200	H
2	* 4.804	38.52	PK	34	-33.8	38.72	-	-	74	-35.28	0-360	100	V
4	7.205	38.04	PK	35.7	-30.8	42.94	-	-	74	-31.06	0-360	100	V
6	9.608	31.13	PK	37	-27.3	40.83	-	-	74	-33.17	0-360	100	V

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

PK – Peak detector

Radiated Emissions

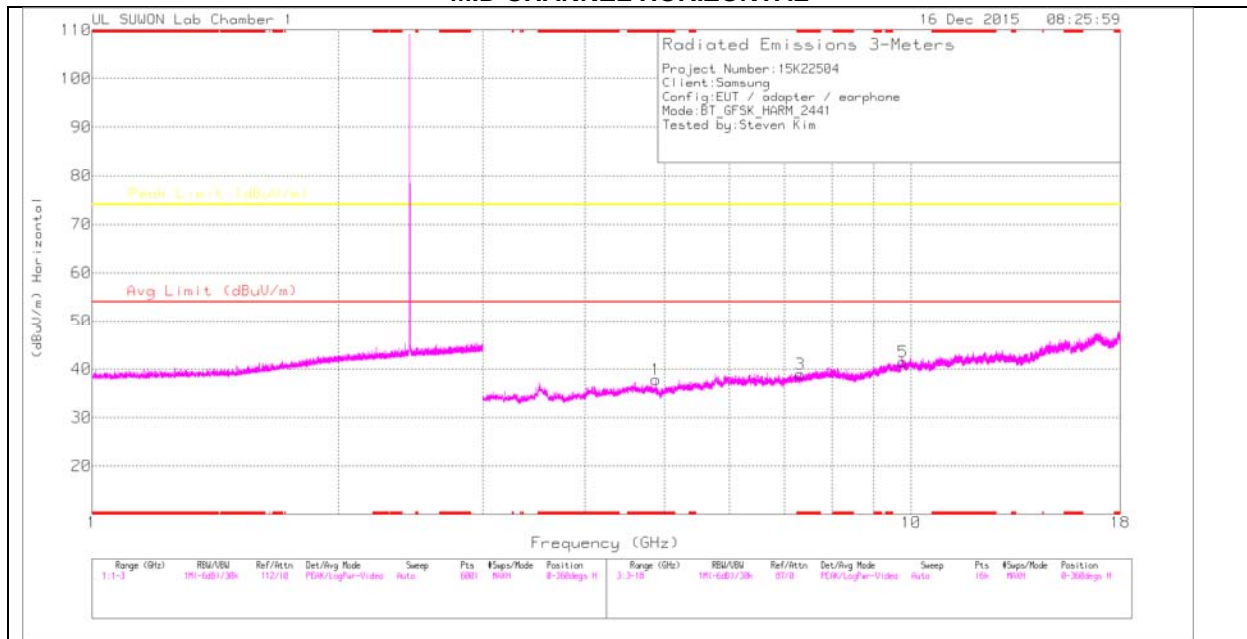
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.804	49.5	PK2	34	-33.8	49.7	-	-	74	-24.3	301	101	H
* 4.804	38.35	VA1T	34	-33.8	38.55	54	-15.45	-	-	301	101	H
* 4.804	48.81	PK2	34	-33.8	49.01	-	-	74	-24.99	296	354	V
* 4.804	36.85	VA1T	34	-33.8	37.05	54	-16.95	-	-	296	354	V
7.205	47.54	PK2	35.7	-30.8	52.44	-	-	74	-21.56	348	101	V

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

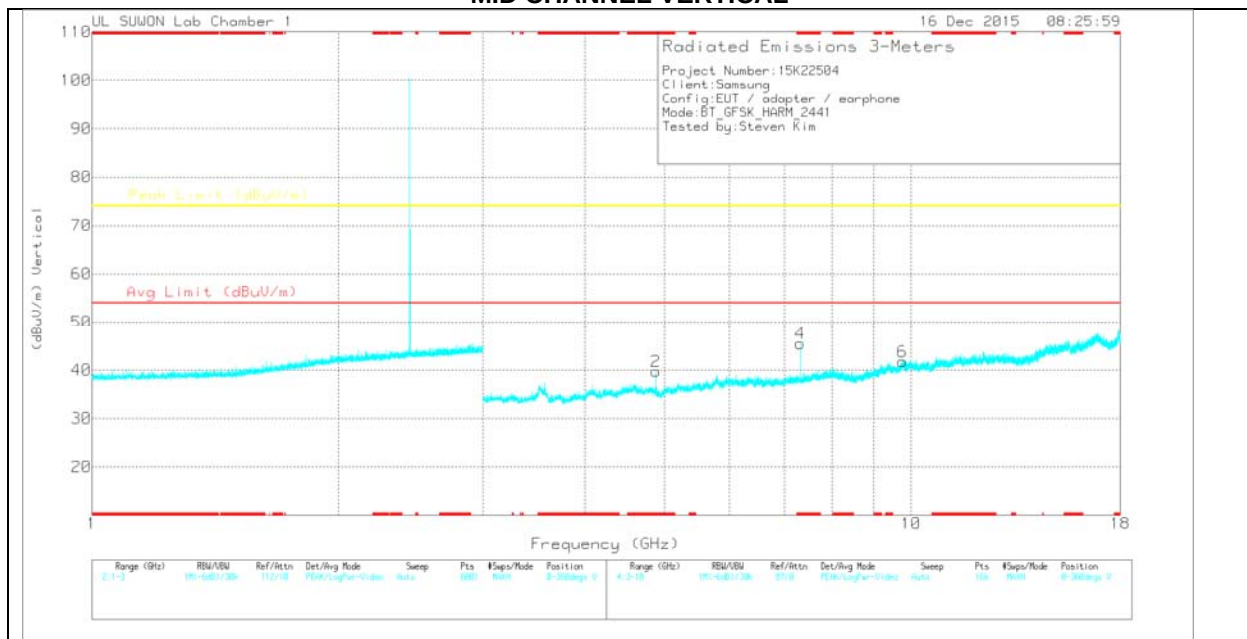
PK2 - KDB558074 Method: Maximum Peak

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

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	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.881	37.79	Avg	34	-34	37.79	-	-	74	-36.21	0-360	100	H
3	* 7.323	34.02	Avg	35.8	-30.9	38.92	-	-	74	-35.08	0-360	200	H
5	9.767	30.82	Avg	37.2	-26.5	41.52	-	-	74	-32.48	0-360	100	H
2	* 4.881	39.71	Avg	34	-34	39.71	-	-	74	-34.29	0-360	100	V
4	* 7.323	40.59	Avg	35.8	-30.9	45.49	-	-	74	-28.51	0-360	100	V
6	9.765	31.1	Avg	37.2	-26.6	41.7	-	-	74	-32.3	0-360	200	V

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

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

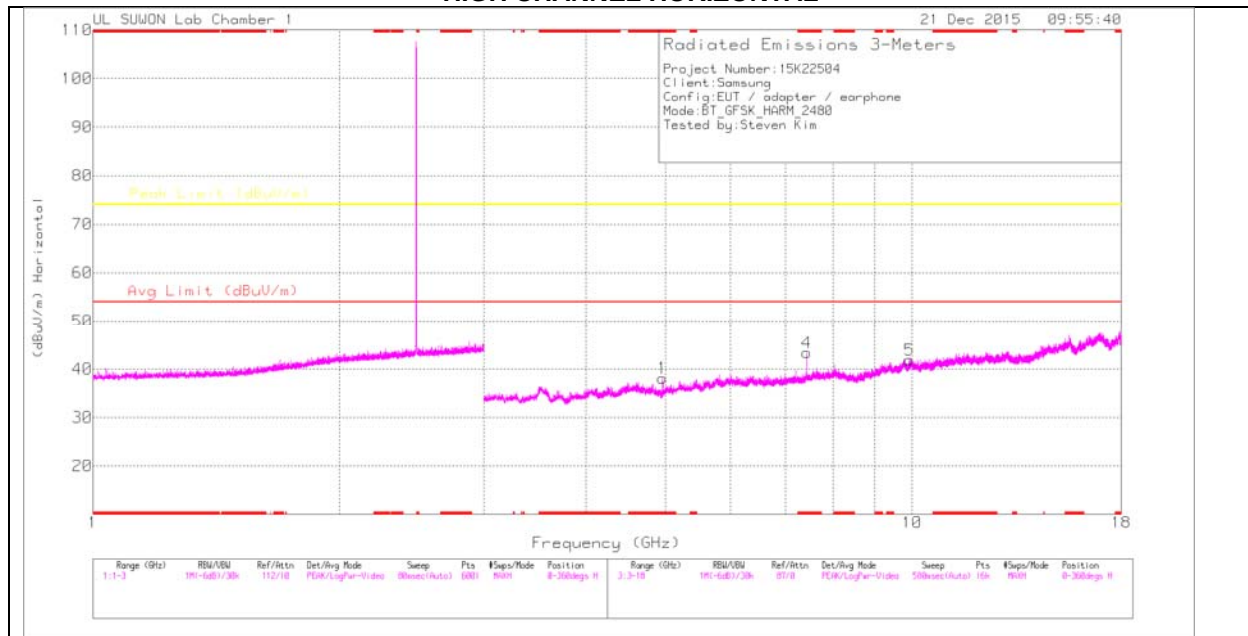
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.882	48.95	PK2	34	-34	48.95	-	-	74	-25.05	269	102	H
* 4.882	37.52	VA1T	34	-34	37.52	54	-16.48	-	-	269	102	H
* 4.881	48.29	PK2	34	-34	48.29	-	-	74	-25.71	218	114	V
* 4.882	37.41	VA1T	34	-34	37.41	54	-16.59	-	-	218	114	V
* 7.323	48.57	PK2	35.8	-30.9	53.47	-	-	74	-20.53	360	107	V
* 7.323	40.51	VA1T	35.8	-30.9	45.41	54	-8.59	-	-	360	107	V

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

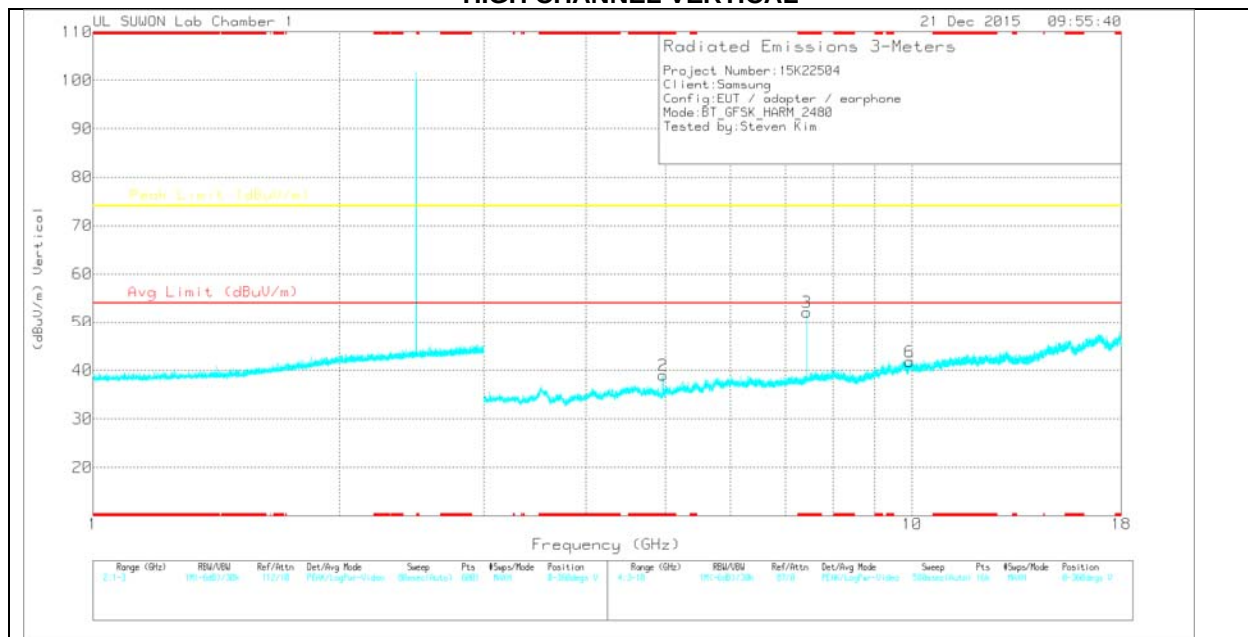
PK2 - KDB558074 Method: Maximum Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.959	38.15	PK	34	-34	38.15	-	-	74	-35.85	0-360	100	H
4	* 7.441	38.28	PK	35.8	-30.7	43.38	-	-	74	-30.62	0-360	200	H
5	9.923	31.55	PK	37.4	-27.1	41.85	-	-	74	-32.15	0-360	100	H
2	* 4.96	38.92	PK	34	-34	38.92	-	-	74	-35.08	0-360	100	V
3	* 7.44	47	PK	35.8	-30.7	52.1	-	-	74	-21.9	0-360	100	V
6	9.92	31.5	PK	37.4	-27.2	41.7	-	-	74	-32.3	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.961	48.2	PK2	34	-34	48.2	-	-	74	-25.8	263	102	H
* 4.96	37.64	VA1T	34	-34	37.64	54	-16.36	-	-	263	102	H
* 7.44	47.16	PK2	35.8	-30.7	52.26	-	-	74	-21.74	307	244	H
* 7.44	37.34	VA1T	35.8	-30.7	42.44	54	-11.56	-	-	307	244	H
* 4.96	49	PK2	34	-34	49	-	-	74	-25	274	390	V
* 4.96	39.32	VA1T	34	-34	39.32	54	-14.68	-	-	274	390	V
* 7.44	50.36	PK2	35.8	-30.7	55.46	-	-	74	-18.54	18	288	V
* 7.44	44.46	VA1T	35.8	-30.7	49.56	54	-4.44	-	-	18	288	V

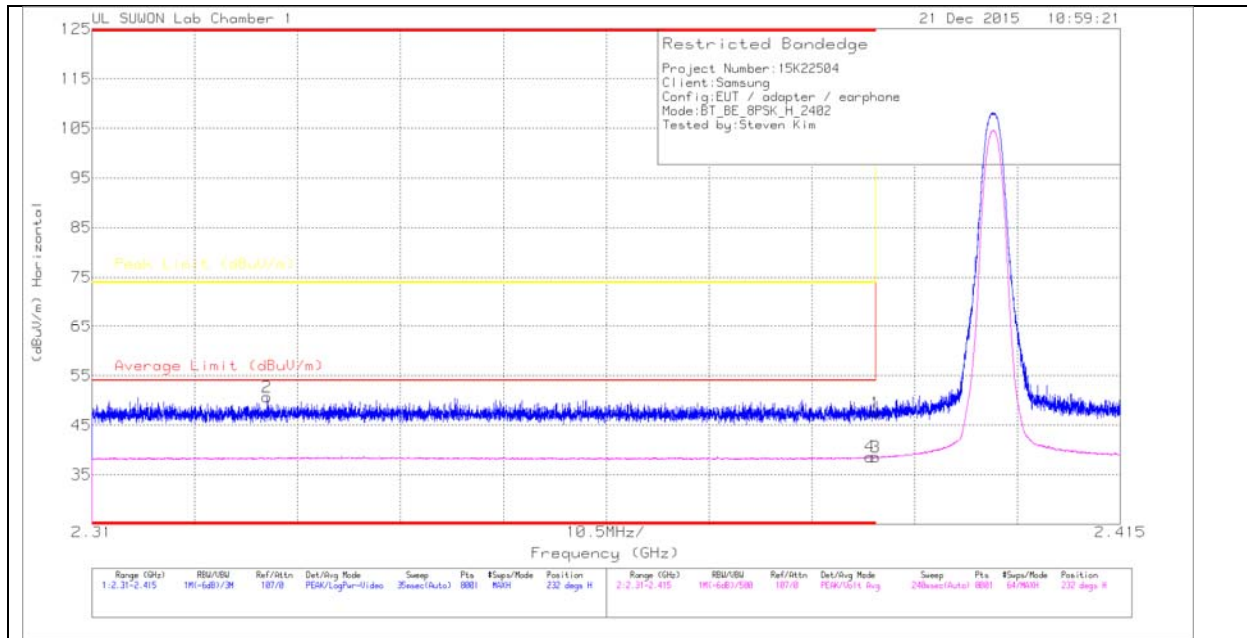
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

9.2.2. ENHANCED DATA RATE 8PSK MODULATION RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

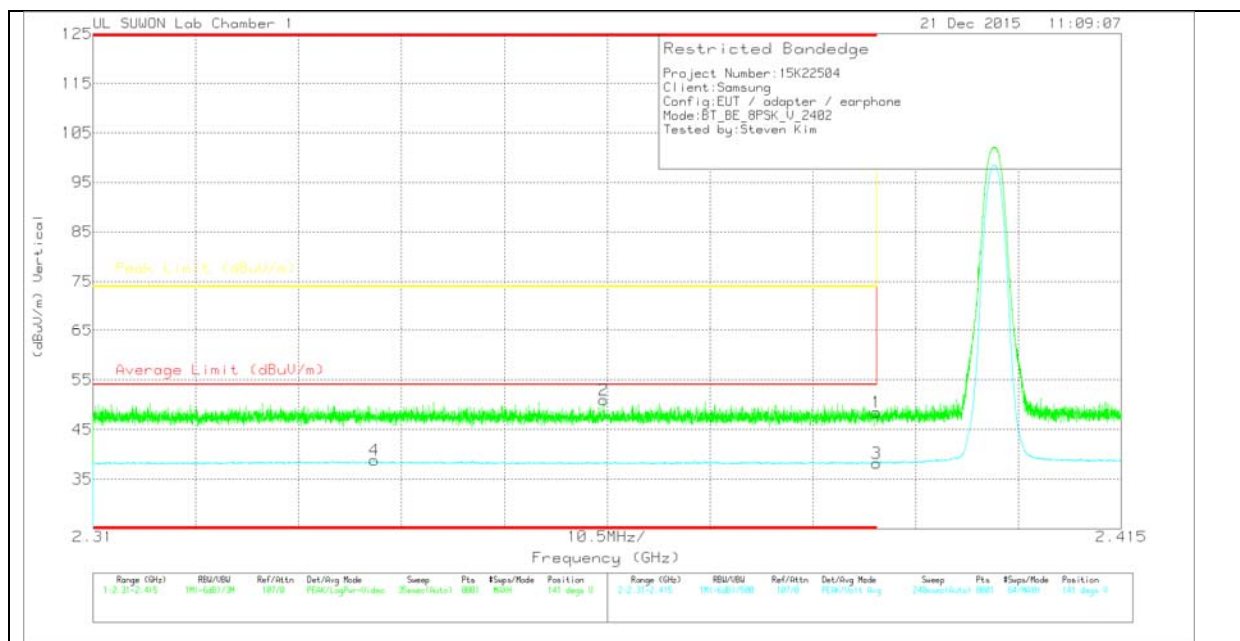
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.64	Pk	31.8	-29	47.44	-	-	74	-26.56	232	100	H
2	* 2.328	47.98	Pk	31.7	-29	50.68	-	-	74	-23.32	232	100	H
3	* 2.39	35.78	V1TV	31.8	-29	38.58	54	-15.42	-	-	232	100	H
4	* 2.389	35.84	V1TV	31.8	-29	38.64	54	-15.36	-	-	232	100	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

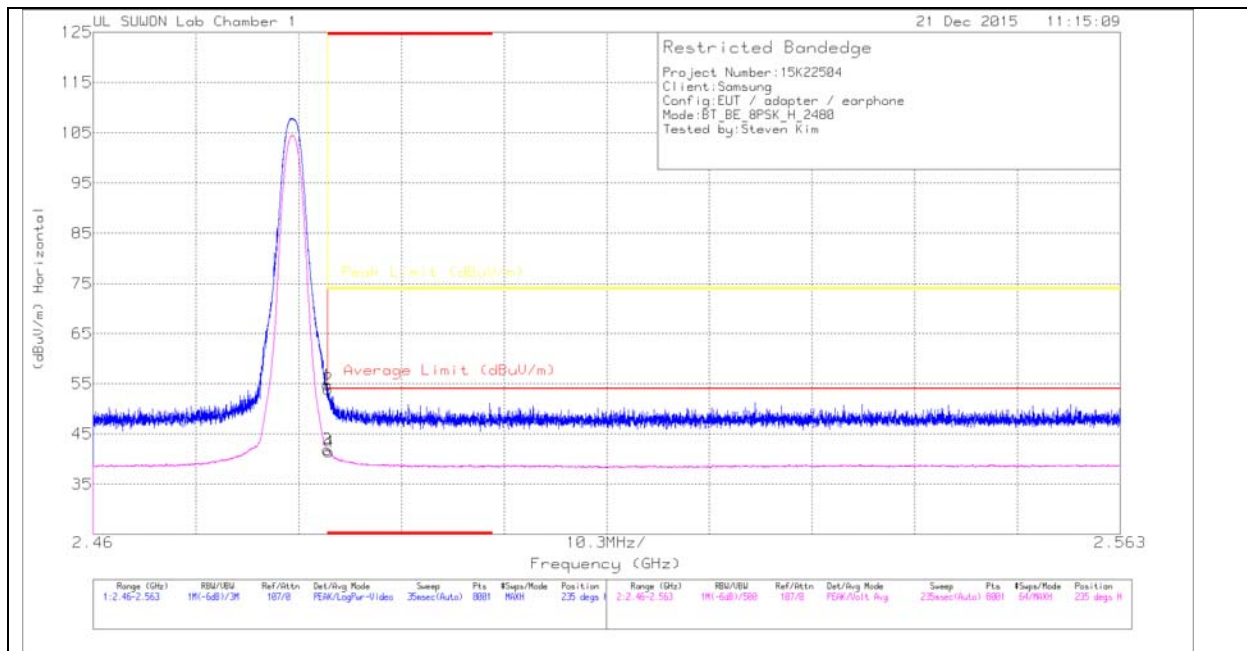
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.67	Pk	31.8	-29	48.47	-	-	74	-25.53	141	250	V
2	* 2.362	48.19	Pk	31.8	-29	50.99	-	-	74	-23.01	141	250	V
3	* 2.39	35.46	V1TV	31.8	-29	38.26	54	-15.74	-	-	141	250	V
4	* 2.339	36.09	V1TV	31.7	-29	38.79	54	-15.21	-	-	141	250	V

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

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

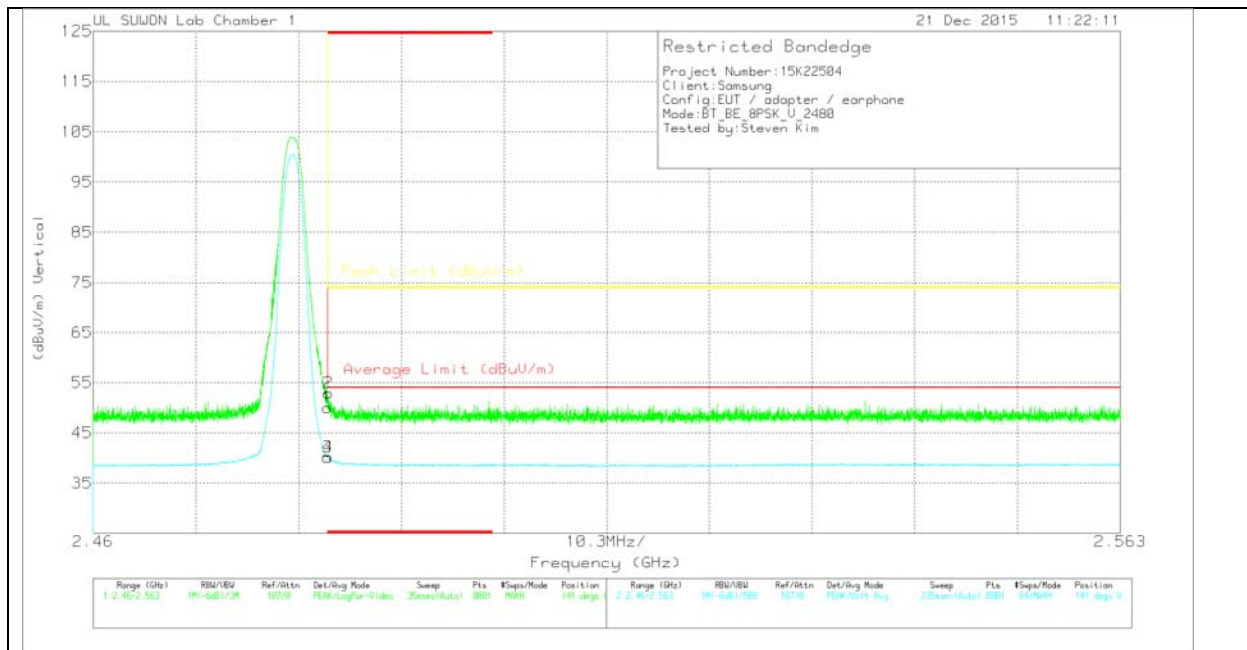
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	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	51.63	Pk	32	-28.9	54.73	-	-	74	-19.27	235	100	H
2	* 2.484	50.82	Pk	32	-28.9	53.92	-	-	74	-20.08	235	100	H
3	* 2.484	38.77	V1TV	32	-28.9	41.87	54	-12.13	-	-	235	100	H
4	* 2.484	38.38	V1TV	32	-28.9	41.48	54	-12.52	-	-	235	100	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

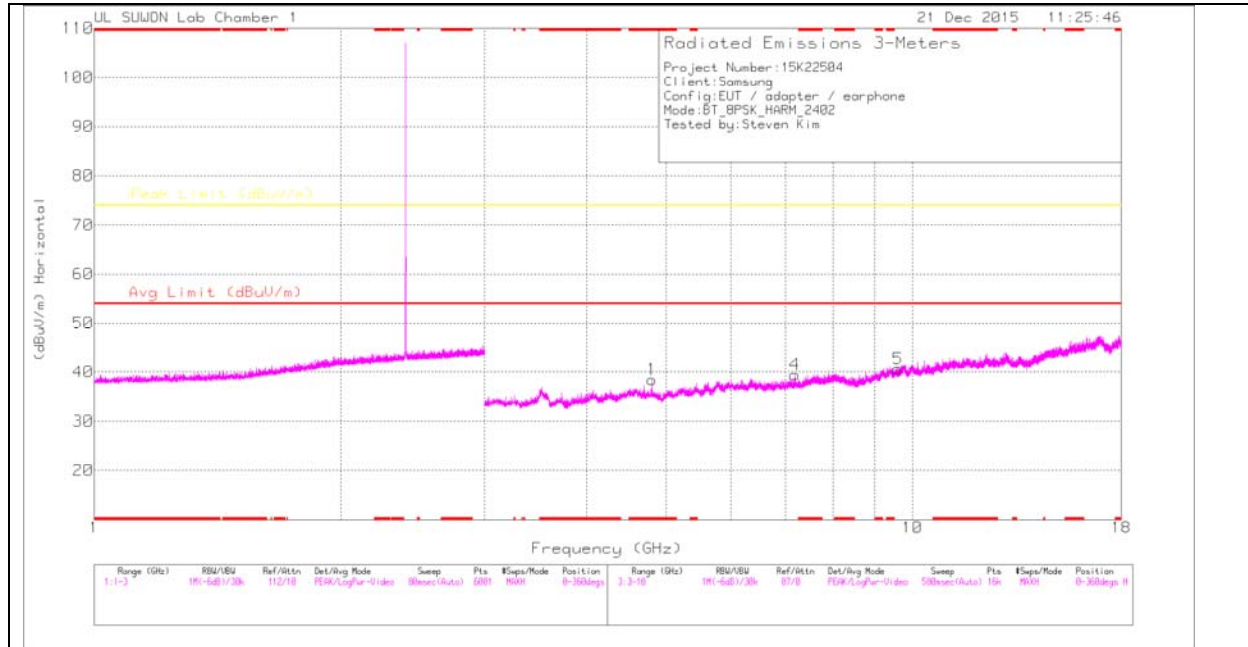
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.92	Pk	32	-28.9	50.02	-	-	74	-23.98	141	237	V
2	* 2.484	49.87	Pk	32	-28.9	52.97	-	-	74	-21.03	141	237	V
3	* 2.484	37.1	V1TV	32	-28.9	40.2	54	-13.8	-	-	141	237	V
4	* 2.484	37.11	V1TV	32	-28.9	40.21	54	-13.79	-	-	141	237	V

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

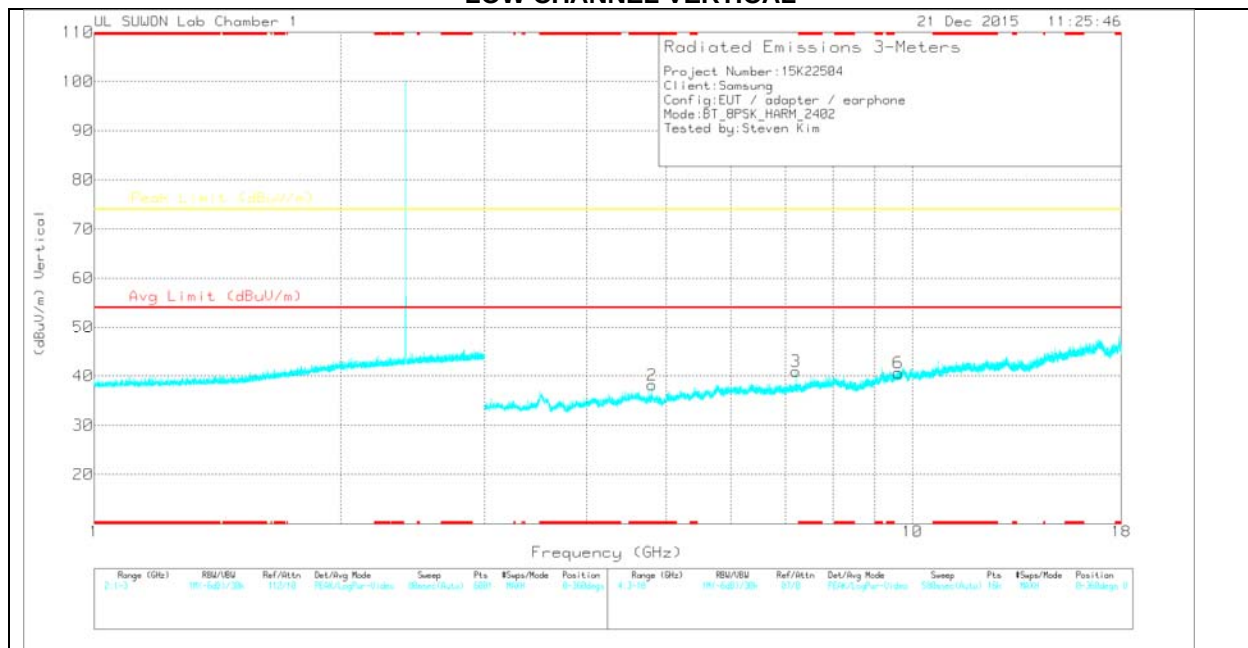
Pk - Peak detector

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	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.804	38.27	PK	34	-33.8	38.47	-	-	74	-35.53	0-360	100	H
4	7.185	34.57	PK	35.7	-30.8	39.47	-	-	74	-34.53	0-360	100	H
5	9.604	30.95	PK	37	-27.3	40.65	-	-	74	-33.35	0-360	200	H
2	* 4.804	37.97	PK	34	-33.8	38.17	-	-	74	-35.83	0-360	100	V
3	7.206	36.03	PK	35.7	-30.8	40.93	-	-	74	-33.07	0-360	100	V
6	9.609	30.93	PK	37	-27.3	40.63	-	-	74	-33.37	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

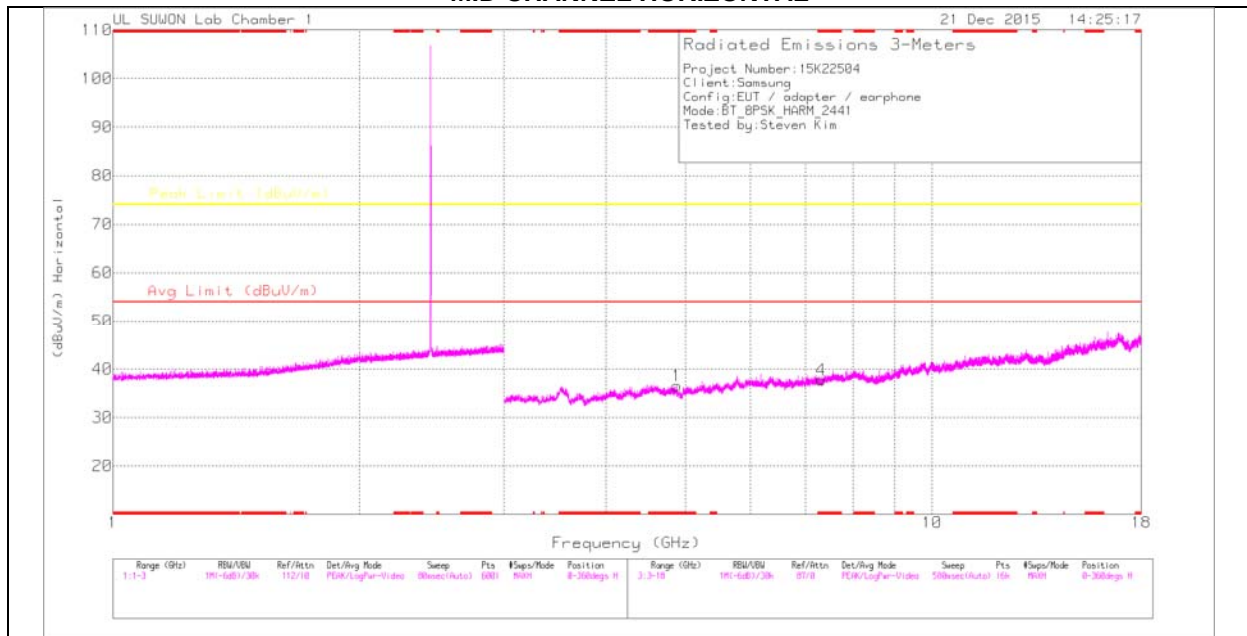
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.804	48.43	PK2	34	-33.8	48.63	-	-	74	-25.37	209	102	H
* 4.804	35.97	VA1T	34	-33.8	36.17	54	-17.83	-	-	209	102	H
* 4.804	49.38	PK2	34	-33.8	49.58	-	-	74	-24.42	253	214	V
* 4.804	35.21	VA1T	34	-33.8	35.41	54	-18.59	-	-	253	214	V
7.206	44.92	PK2	35.7	-30.8	49.82	-	-	74	-24.18	52	218	V
7.206	31.14	VA1T	35.7	-30.8	36.04	-	-	-	-	52	218	V

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

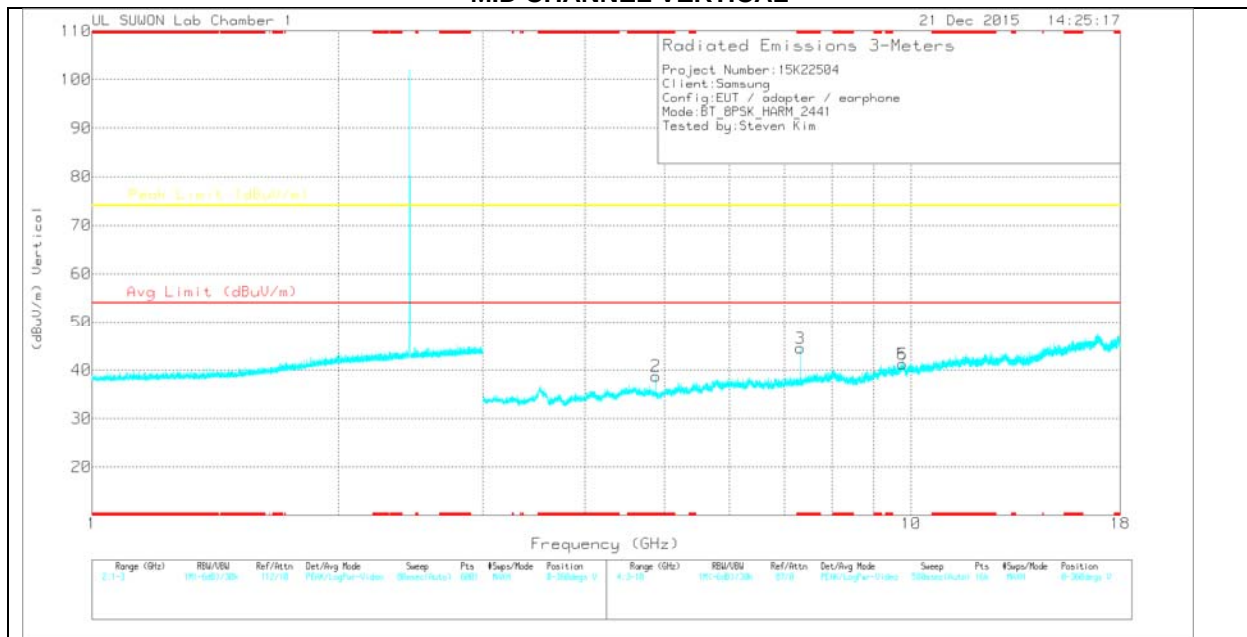
PK2 - KDB558074 Method: Maximum Peak

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

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	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.881	36.52	Pk	34	-34	36.52	-	-	74	-37.48	0-360	100	H
4	* 7.323	32.87	Pk	35.8	-30.9	37.77	-	-	74	-36.23	0-360	200	H
2	* 4.881	38.78	Pk	34	-34	38.78	-	-	74	-35.22	0-360	100	V
3	* 7.323	39.59	Pk	35.8	-30.9	44.49	-	-	74	-29.51	0-360	100	V
5	9.763	30.66	Pk	37.2	-26.6	41.26	-	-	74	-32.74	0-360	100	V
6	9.763	30.66	Pk	37.2	-26.6	41.26	-	-	74	-32.74	0-360	100	V

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

Pk – Peak Detector

Radiated Emissions

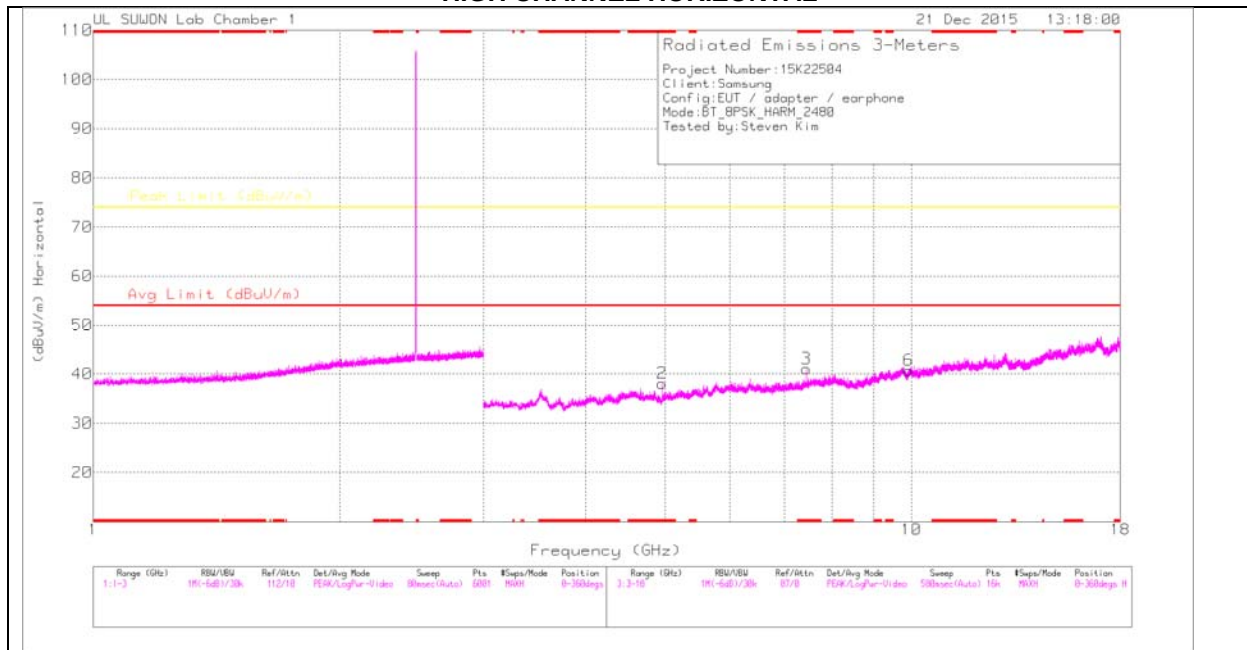
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.882	48	PK2	34	-34	48	-	-	74	-26	125	376	V
* 4.882	35.31	VA1T	34	-34	35.31	54	-18.69	-	-	125	376	V
* 7.323	49.77	PK2	35.8	-30.9	54.67	-	-	74	-19.33	357	100	V
* 7.323	37.81	VA1T	35.8	-30.9	42.71	54	-11.29	-	-	357	100	V

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

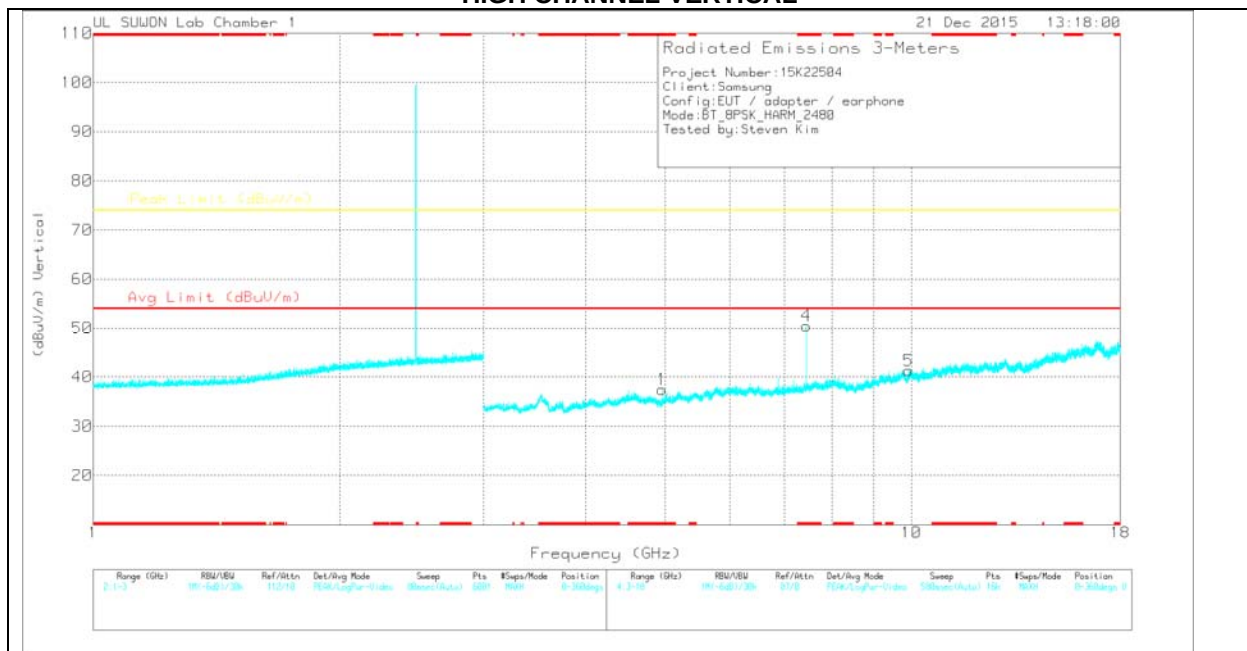
PK2 - KDB558074 Method: Maximum Peak

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

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	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.959	38.12	PK	34	-34	38.12	-	-	74	-35.88	0-360	100	H
3	* 7.44	35.98	PK	35.8	-30.7	41.08	-	-	74	-32.92	0-360	100	H
6	9.927	30.43	PK	37.4	-27.1	40.73	-	-	74	-33.27	0-360	100	H
1	* 4.959	37.48	PK	34	-34	37.48	-	-	74	-36.52	0-360	100	V
4	* 7.441	45.44	PK	35.8	-30.7	50.54	-	-	74	-23.46	0-360	100	V
5	9.92	31.08	PK	37.4	-27.2	41.28	-	-	74	-32.72	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.96	47.47	PK2	34	-34	47.47	-	-	74	-26.53	263	164	H
* 4.96	34.35	VA1T	34	-34	34.35	54	-19.65	-	-	263	164	H
* 7.44	46.89	PK2	35.8	-30.7	51.99	-	-	74	-22.01	277	159	H
* 7.44	34.35	VA1T	35.8	-30.7	39.45	54	-14.55	-	-	277	159	H
* 4.961	47.47	PK2	34	-34	47.47	-	-	74	-26.53	241	252	V
* 4.96	35.64	VA1T	34	-34	35.64	54	-18.36	-	-	241	252	V
* 7.44	54.26	PK2	35.8	-30.7	59.36	-	-	74	-14.64	15	100	V
* 7.44	43.64	VA1T	35.8	-30.7	48.74	54	-5.26	-	-	15	100	V

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

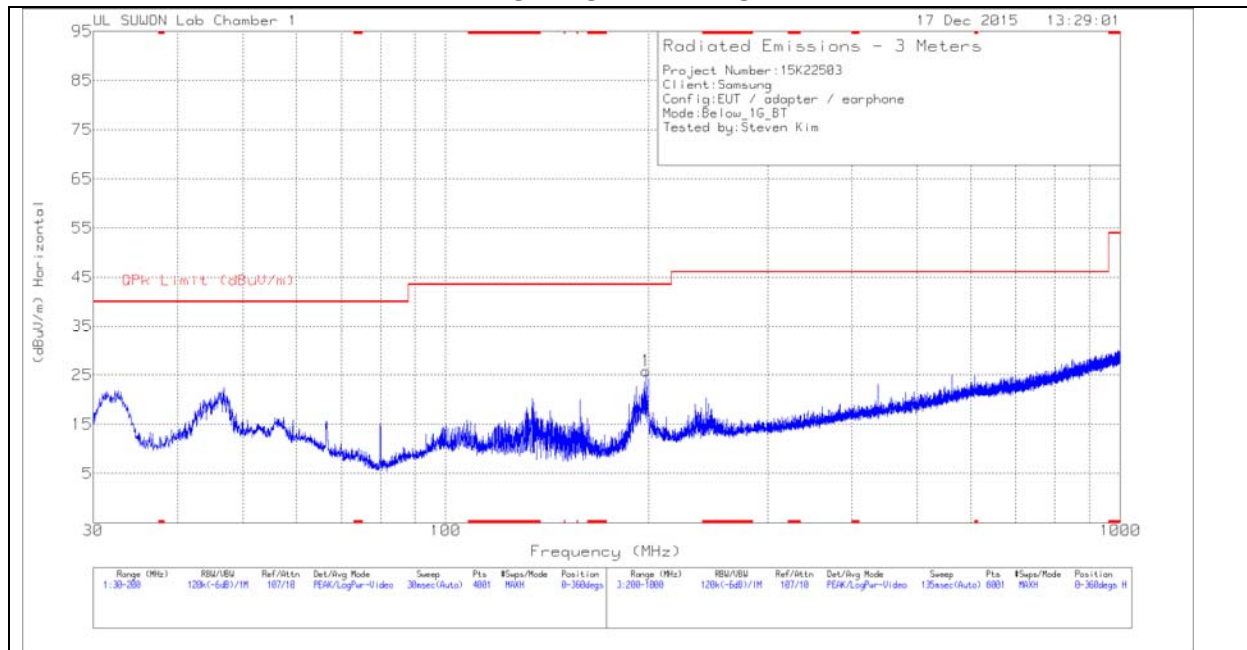
PK2 - KDB558074 Method: Maximum Peak

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

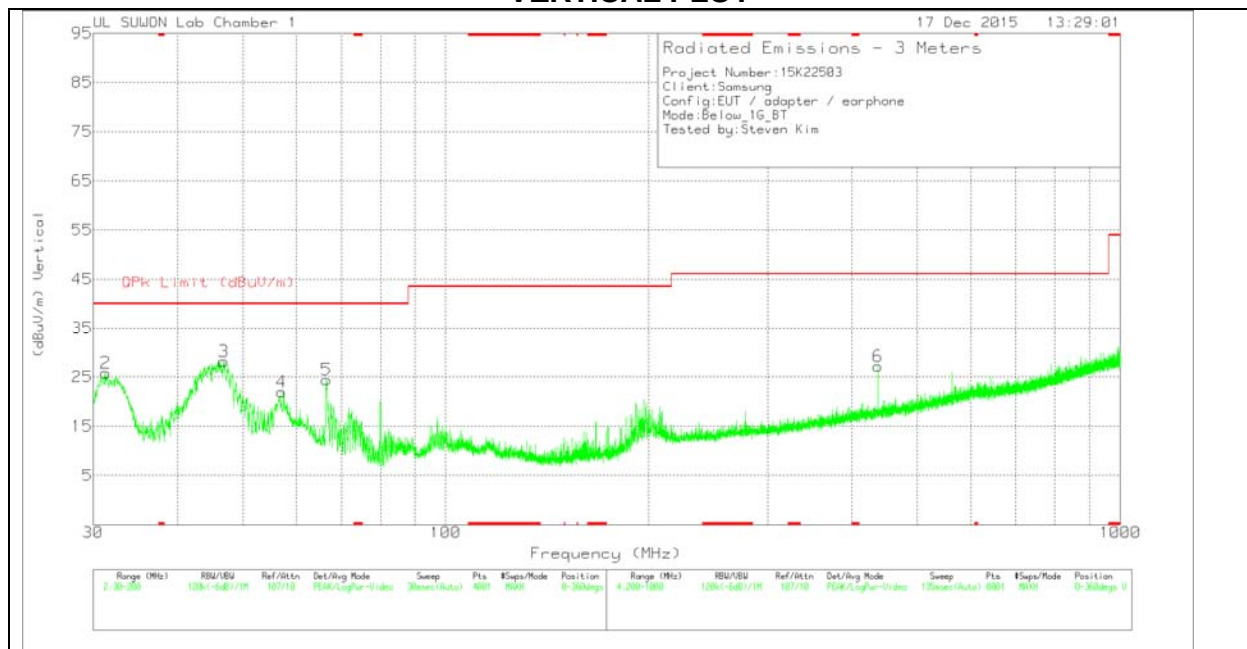
9.3. WORST-CASE BELOW 1 GHz

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	VULB9163-750	Bi-Log	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	198.3	42.82	Pk	11.2	-28.2	25.82	43.52	-17.7	0-360	100	H
2	31.3175	46.02	Pk	10.3	-30.5	25.82	40	-14.18	0-360	100	V
3	46.8725	44.67	Pk	13.7	-30.2	28.17	40	-11.83	0-360	100	V
4	57.0725	38.96	Pk	13	-30	21.96	40	-18.04	0-360	100	V
5	66.55	43.57	Pk	10.7	-29.8	24.47	40	-15.53	0-360	100	V
6	437.5	37.68	Pk	16.1	-26.6	27.18	46.02	-18.84	0-360	100	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.

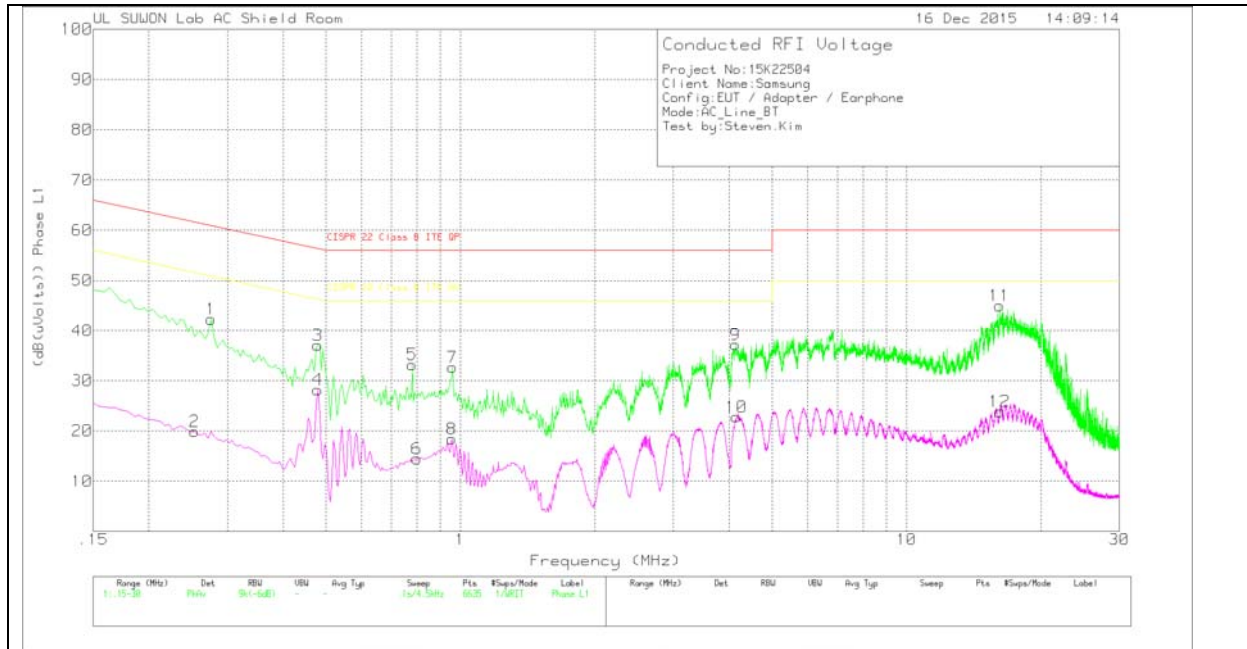
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

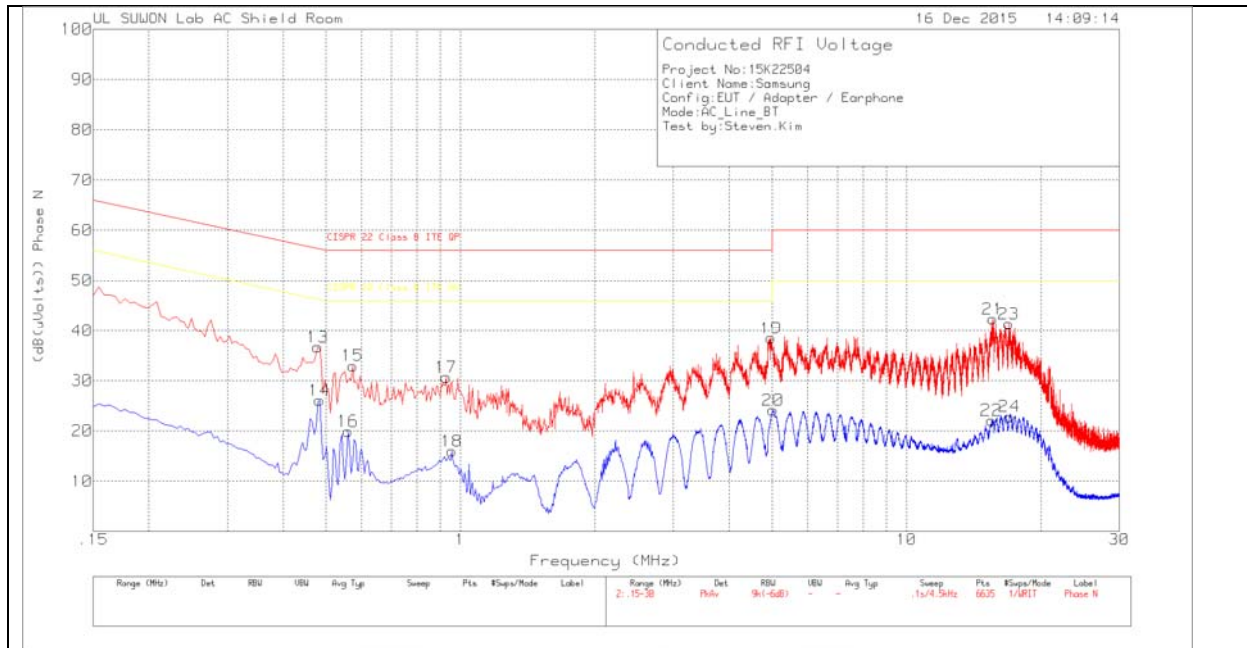
Phase L1 .15 - 30MHz

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	.276	32.56	Pk	9.8	0	42.36	60.94	-18.58	-	-
2	.2535	10.2	Av	9.7	0	19.9	-	-	51.64	-31.74
3	.4785	26.83	Pk	10.2	0	37.03	56.37	-19.34	-	-
4	.4785	18	Av	10.2	0	28.2	-	-	46.37	-18.17
5	.78	23.2	Pk	10	0	33.2	56	-22.8	-	-
6	.798	4.49	Av	10	0	14.49	-	-	46	-31.51
7	.96	22.74	Pk	9.9	0	32.64	56	-23.36	-	-
8	.9555	8.53	Av	9.9	0	18.43	-	-	46	-27.57
9	4.137	27.27	Pk	9.8	.1	37.17	56	-18.83	-	-
10	4.155	12.89	Av	9.8	.1	22.79	-	-	46	-23.21
11	16.1745	34.63	Pk	10.2	.2	45.03	60	-14.97	-	-
12	16.1745	13.46	Av	10.2	.2	23.86	-	-	50	-26.14

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	.4785	26.58	Pk	10.1	0	36.68	56.37	-19.69	-	-
14	.483	15.97	Av	10.1	0	26.07	-	-	46.29	-20.22
15	.573	22.86	Pk	10.1	0	32.96	56	-23.04	-	-
16	.5595	9.82	Av	10.1	0	19.92	-	-	46	-26.08
17	.9285	20.77	Pk	9.9	0	30.67	56	-25.33	-	-
18	.9555	6.08	Av	9.9	0	15.98	-	-	46	-30.02
19	4.9695	28.58	Pk	9.8	.1	38.48	56	-17.52	-	-
20	5.019	14.21	Av	9.8	.1	24.11	-	-	50	-25.89
21	15.6165	31.81	Pk	10.4	.2	42.41	60	-17.59	-	-
22	15.4905	11.52	Av	10.4	.2	22.12	-	-	50	-27.88
23	16.9485	30.79	Pk	10.4	.2	41.39	60	-18.61	-	-
24	17.0205	12.26	Av	10.4	.2	22.86	-	-	50	-27.14

Pk - Peak detector

Av - Average detection