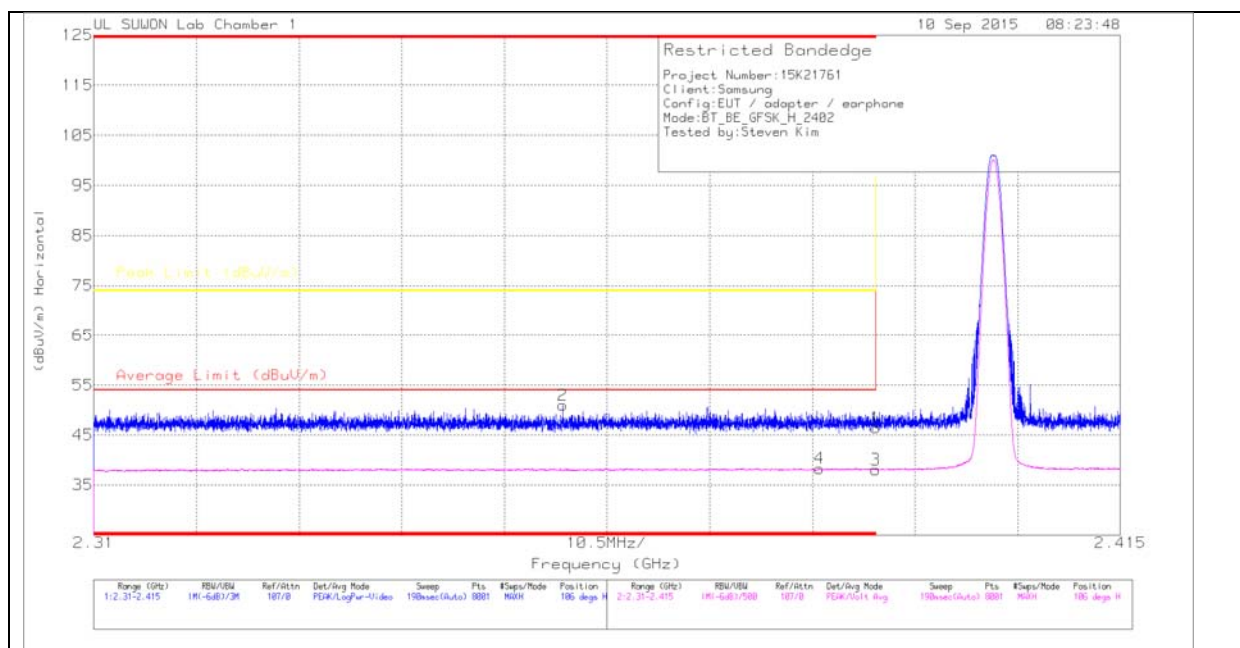


9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. BASIC DATA RATE GFSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

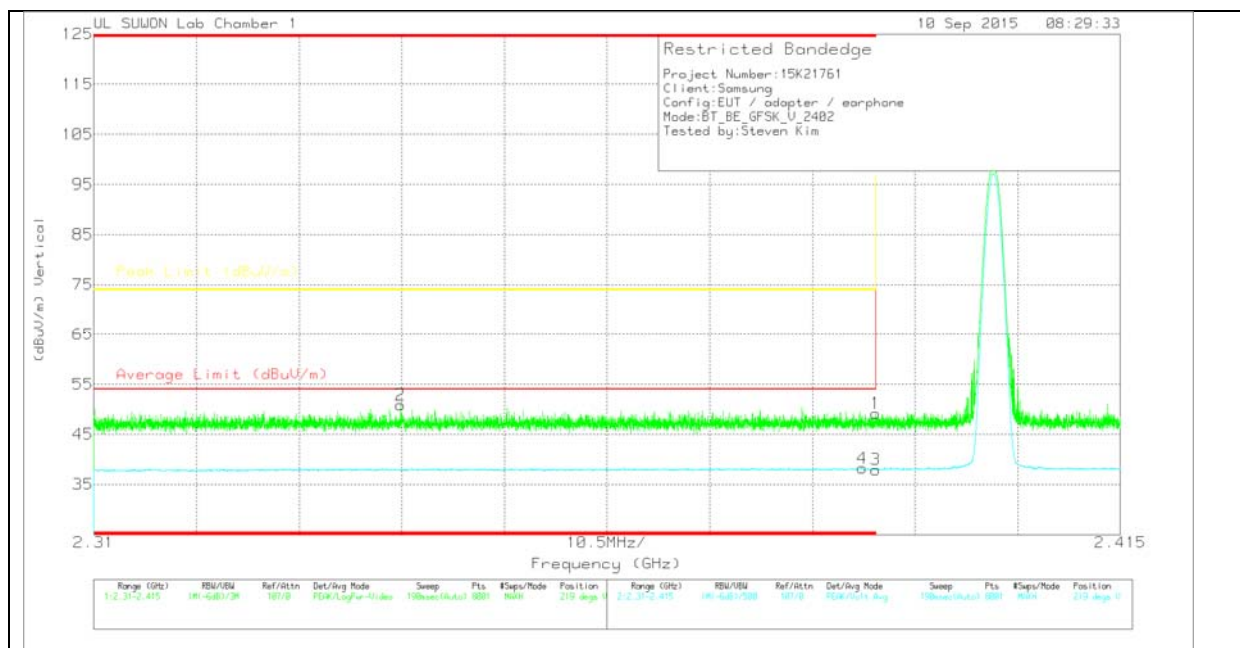
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_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	* 2.39	37.46	Pk	31.8	-22.8	46.46	-	-	74	-27.54	106	100	H
2	* 2.358	42.08	Pk	31.7	-22.8	50.98	-	-	74	-23.02	106	100	H
3	* 2.39	29.06	V1TV	31.8	-22.8	38.06	54	-15.94	-	-	106	100	H
4	* 2.384	29.33	V1TV	31.8	-22.8	38.33	54	-15.67	-	-	106	100	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

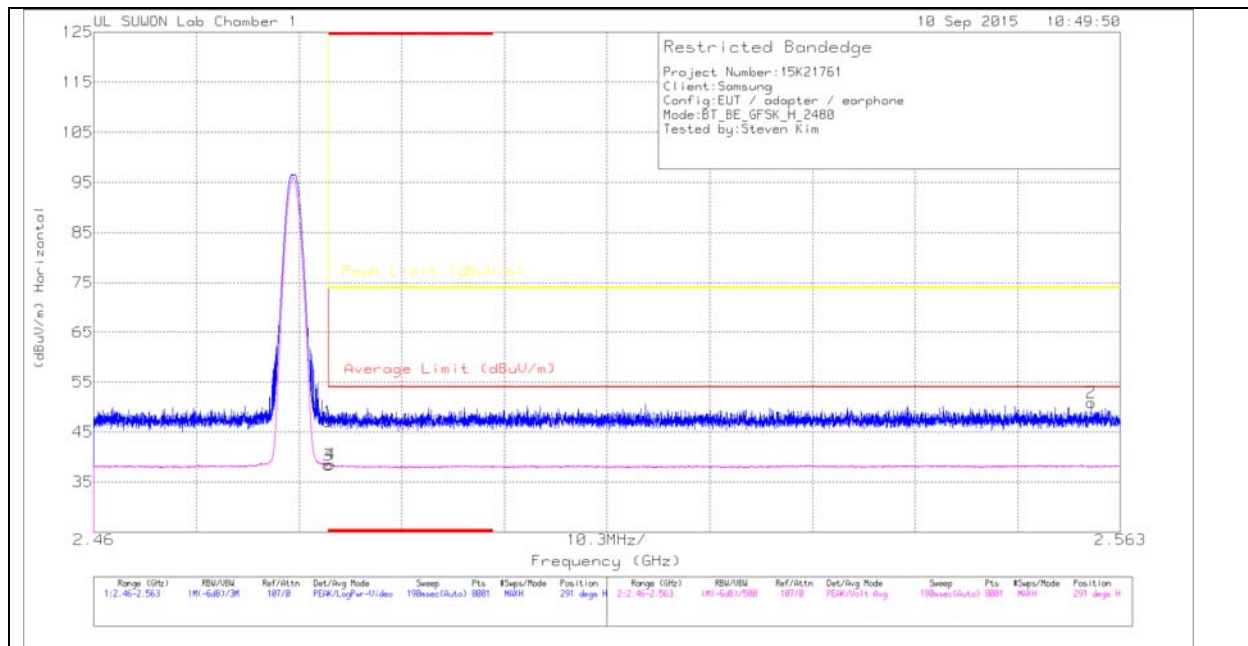
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.19	Pk	31.8	-22.8	49.19	-	-	74	-24.81	219	100	V
2	* 2.341	42.09	Pk	31.7	-22.9	50.89	-	-	74	-23.11	219	100	V
3	* 2.39	28.96	V1TV	31.8	-22.8	37.96	54	-16.04	-	-	219	100	V
4	* 2.389	29.25	V1TV	31.8	-22.8	38.25	54	-15.75	-	-	219	100	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

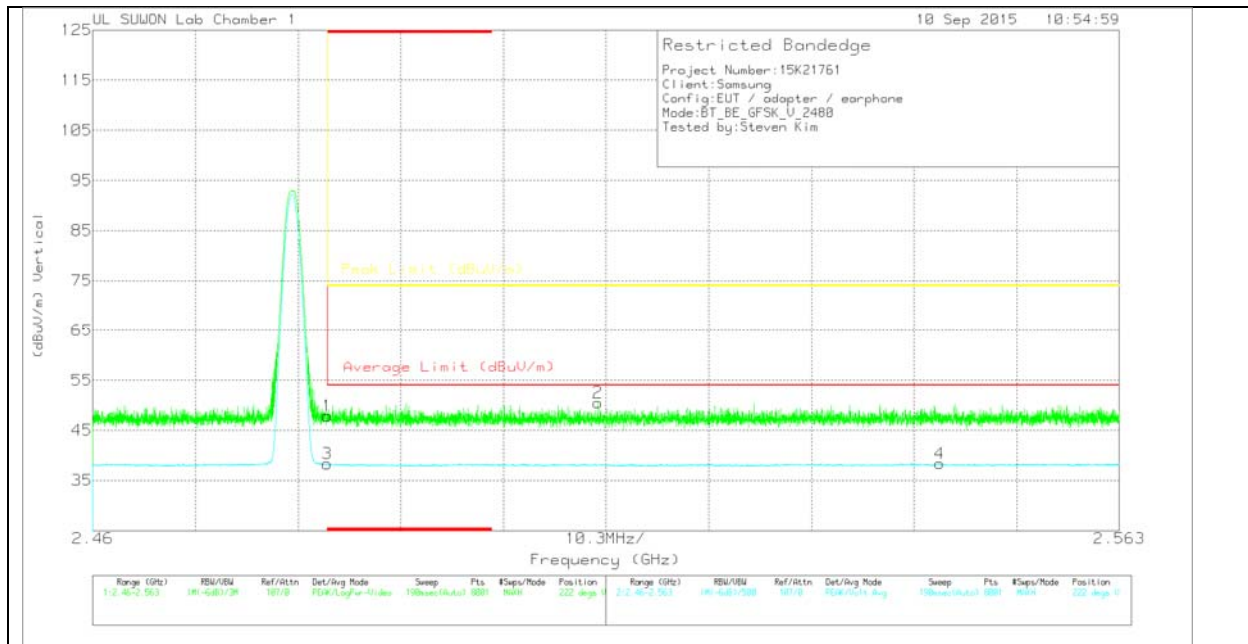
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_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	37.66	Pk	32	-22.6	47.06	-	-	74	-26.94	291	102	H
2	2.56	41.51	Pk	32	-22.6	50.91	-	-	74	-23.09	291	102	H
3	* 2.484	28.98	V1TV	32	-22.6	38.38	54	-15.62	-	-	291	102	H
4	* 2.484	29.16	V1TV	32	-22.6	38.56	54	-15.44	-	-	291	102	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

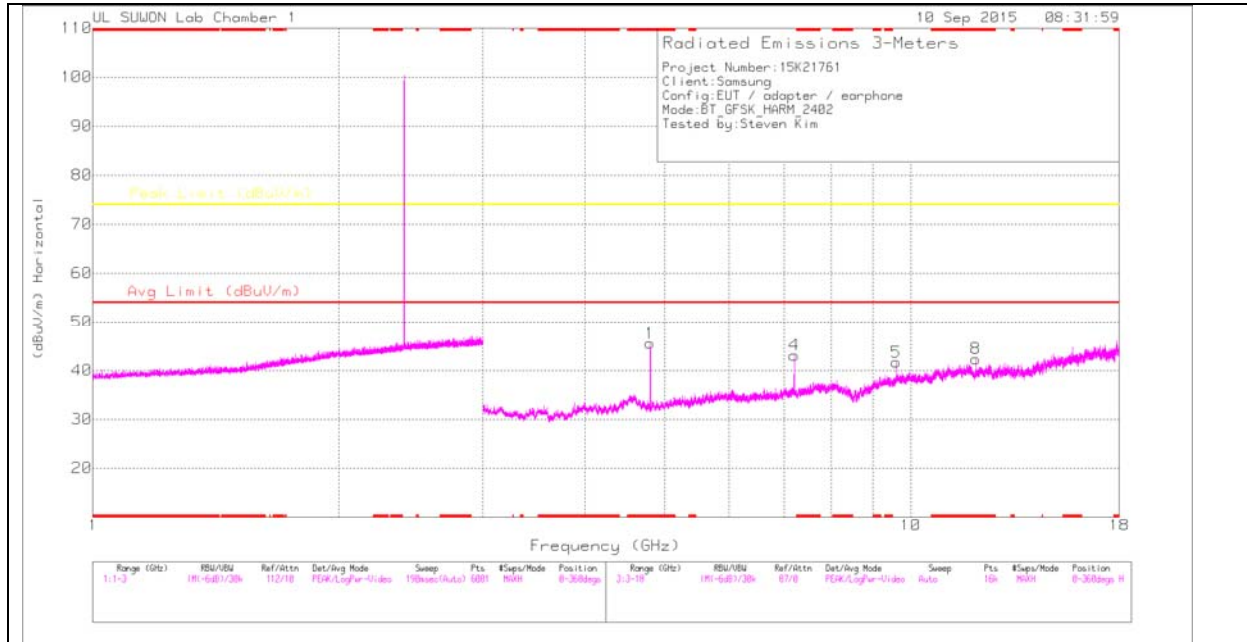
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.48	Pk	32	-22.6	47.88	-	-	74	-26.12	222	217	V
2	2.511	41.14	Pk	32	-22.6	50.54	-	-	74	-23.46	222	217	V
3	* 2.484	28.94	V1TV	32	-22.6	38.34	54	-15.66	-	-	222	217	V
4	2.545	29	V1TV	32	-22.6	38.4	54	-15.6	-	-	222	217	V

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

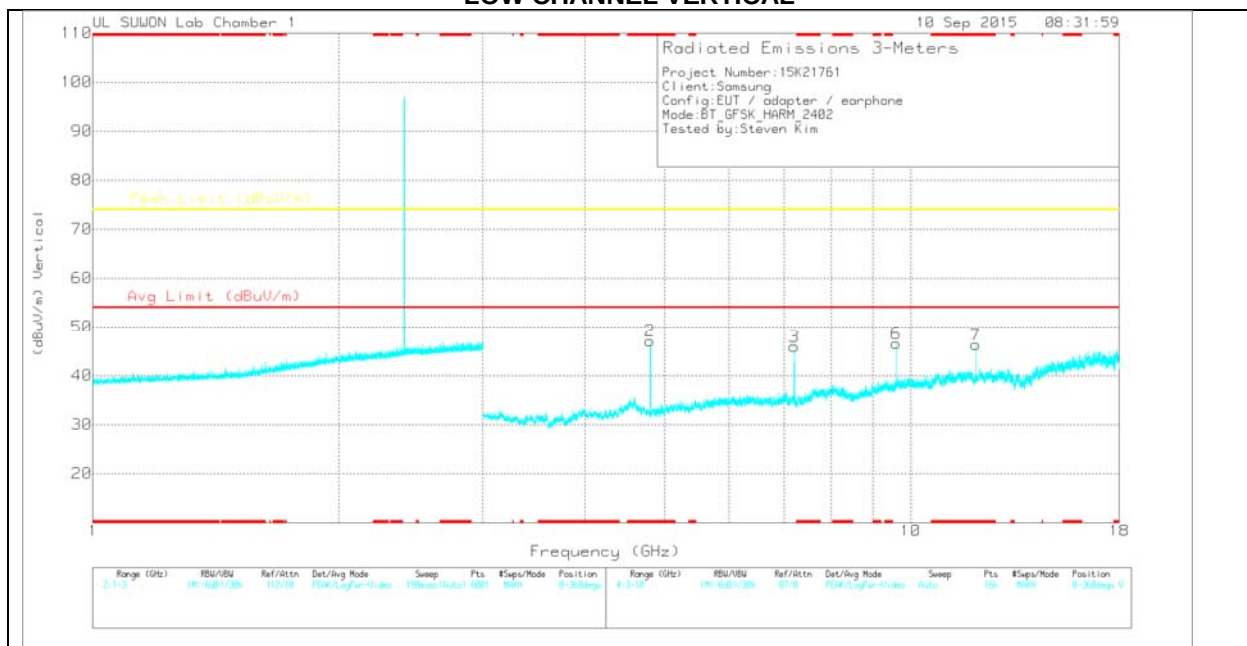
Pk - Peak detector

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	41.39	PK	34	-29.8	45.59	-	-	74	-28.41	0-360	100	H
4	7.206	32.84	PK	35.7	-25.4	43.14	-	-	74	-30.86	0-360	200	H
5	9.608	25.69	PK	37	-21	41.69	-	-	74	-32.31	0-360	200	H
8	* 12.01	24.19	PK	38.9	-20.7	42.39	-	-	74	-31.61	0-360	200	H
2	* 4.804	42.94	PK	34	-29.8	47.14	-	-	74	-26.86	0-360	100	V
3	7.205	35.68	PK	35.7	-25.4	45.98	-	-	74	-28.02	0-360	100	V
6	9.608	30.61	PK	37	-21	46.61	-	-	74	-27.39	0-360	100	V
7	* 12.01	28.12	PK	38.9	-20.7	46.32	-	-	74	-27.68	0-360	100	V

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

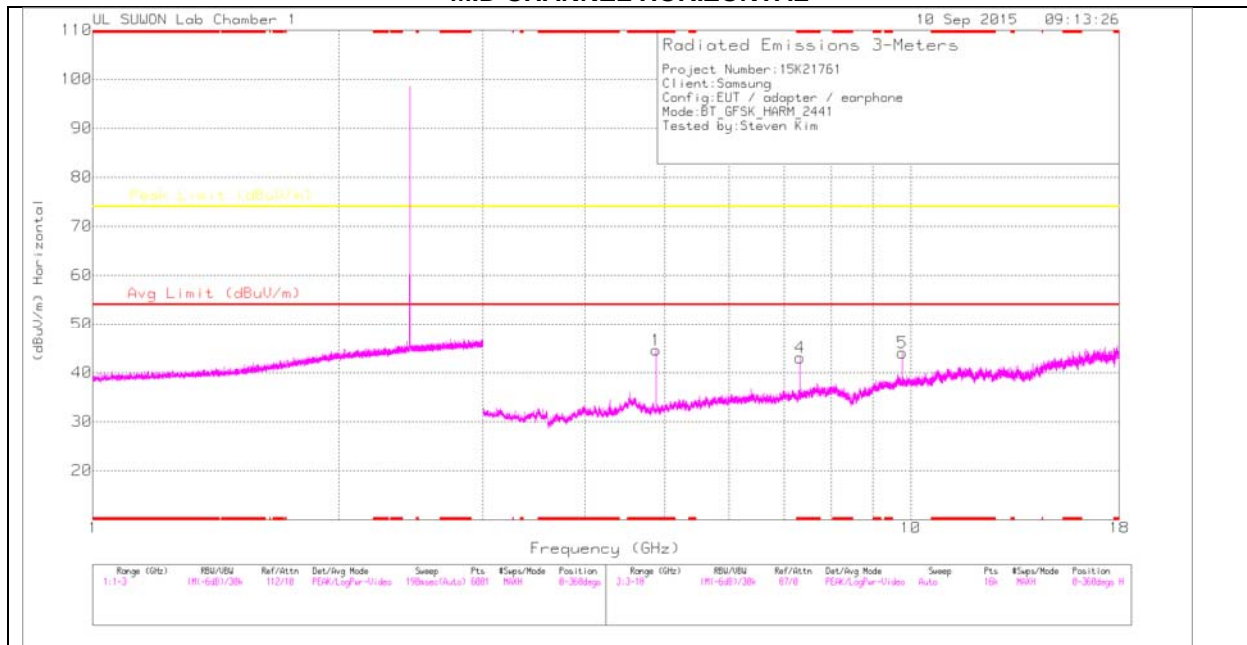
PK – Peak detector

Radiated Emissions

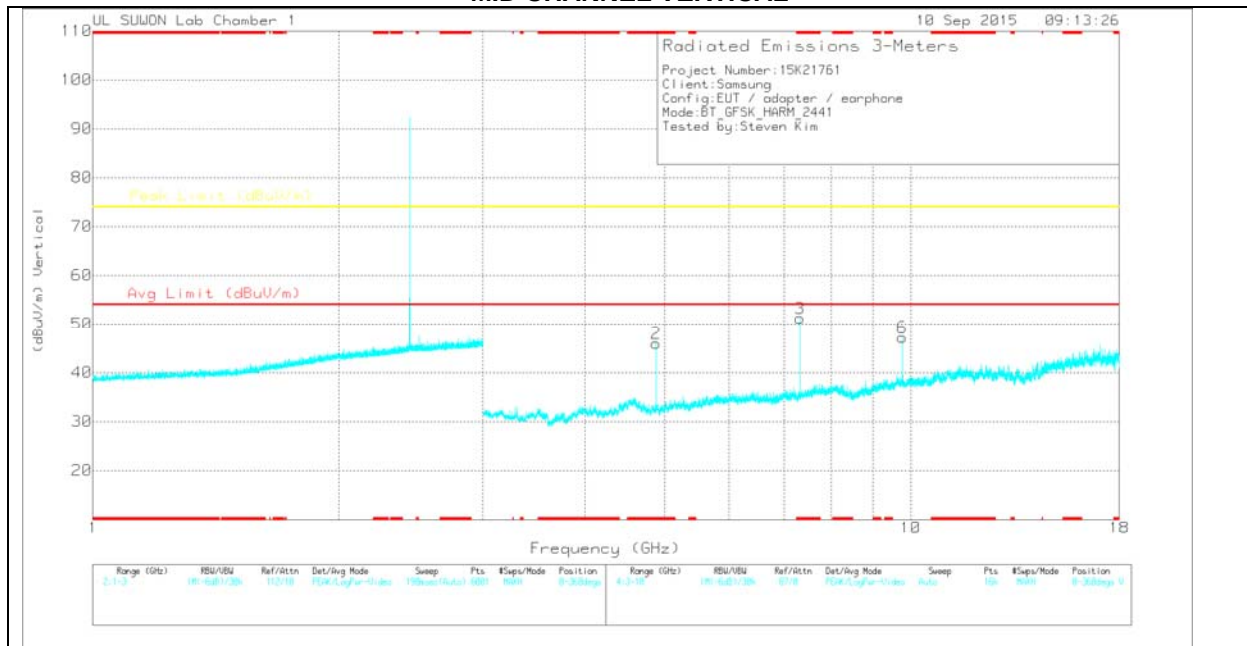
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3_3G HP	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.804	47.29	PK2	34	-29.8	51.49	-	-	74	-22.51	312	100	H
* 4.804	42.13	VA1T	34	-29.8	46.33	54	-7.67	-	-	312	100	H
* 4.804	48.18	PK2	34	-29.8	52.38	-	-	74	-21.62	263	100	V
* 4.804	42.31	VA1T	34	-29.8	46.51	54	-7.49	-	-	263	100	V
7.206	42.2	PK2	35.7	-25.4	52.5	-	-	74	-21.5	7	100	V
7.206	43.64	PK2	35.7	-25.4	53.94	-	-	74	-20.06	106	383	H
9.608	36.39	PK2	37	-21	52.39	-	-	74	-21.61	353	292	H
9.608	36.57	PK2	37	-21	52.57	-	-	74	-21.43	309	163	V
* 12.01	35.22	PK2	38.9	-20.7	53.42	-	-	74	-20.58	240	338	V
* 12.01	26.31	VA1T	38.9	-20.7	44.51	54	-9.49	-	-	240	338	V
* 12.01	32.57	PK2	38.9	-20.7	50.77	-	-	74	-23.23	9	176	H
* 12.01	20.06	VA1T	38.9	-20.7	38.26	54	-15.74	-	-	9	176	H

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

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	39.66	PK	34	-29.1	44.56	-	-	74	-29.44	0-360	100	H
4	* 7.323	32.83	PK	35.8	-25.6	43.03	-	-	74	-30.97	0-360	200	H
5	9.764	28.84	PK	37.2	-22	44.04	-	-	74	-29.96	0-360	200	H
2	* 4.881	41.1	PK	34	-29.1	46	-	-	74	-28	0-360	100	V
3	* 7.323	40.98	PK	35.8	-25.6	51.18	-	-	74	-22.82	0-360	100	V
6	9.764	32.04	PK	37.2	-22	47.24	-	-	74	-26.76	0-360	100	V

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

PK – Peak detector

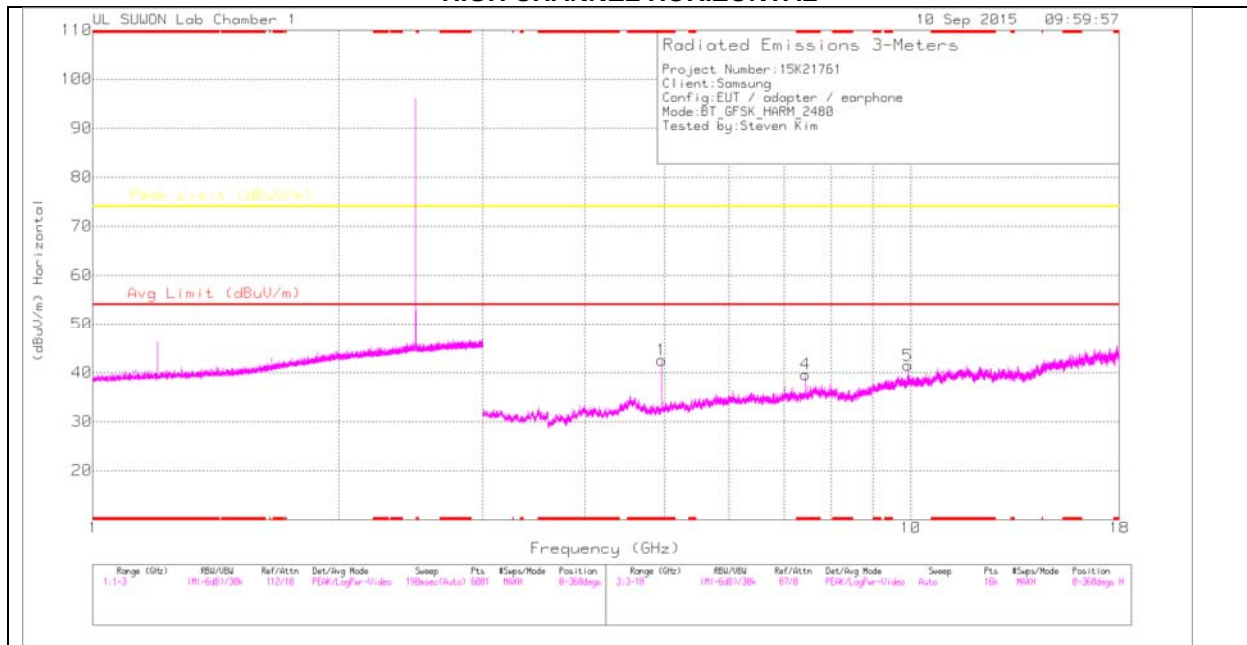
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3_3G HP	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.882	44.38	PK2	34	-29.1	49.28	-	-	74	-24.72	153	354	H
* 4.882	36.97	VA1T	34	-29.1	41.87	54	-12.13	-	-	153	354	H
* 4.882	47.57	PK2	34	-29.1	52.47	-	-	74	-21.53	258	100	V
* 4.882	42	VA1T	34	-29.1	46.9	54	-7.1	-	-	258	100	V
* 7.323	44.27	PK2	35.8	-25.6	54.47	-	-	74	-19.53	90	290	V
* 7.323	37.17	VA1T	35.8	-25.6	47.37	54	-6.63	-	-	90	290	V
* 7.323	39.41	PK2	35.8	-25.6	49.61	-	-	74	-24.39	166	392	H
* 7.323	29.13	VA1T	35.8	-25.6	39.33	54	-14.67	-	-	166	392	H
9.764	35.16	PK2	37.2	-22	50.36	-	-	74	-23.64	9	299	H
9.764	37.99	PK2	37.2	-22	53.19	-	-	74	-20.81	356	104	V
* 12.01	32.57	PK2	38.9	-20.7	50.77	-	-	74	-23.23	9	176	H
* 12.01	20.06	VA1T	38.9	-20.7	38.26	54	-15.74	-	-	9	176	H

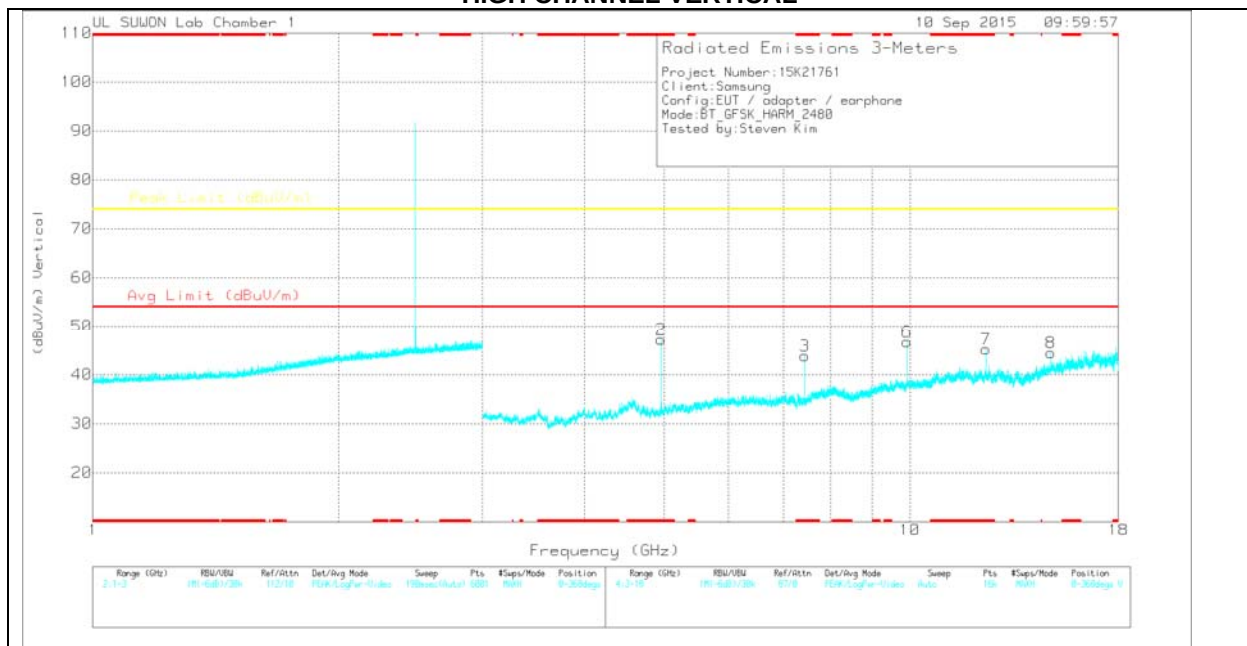
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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_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	37.44	PK	34	-28.9	42.54	-	-	74	-31.46	0-360	200	H
4	* 7.44	28.64	PK	35.8	-24.8	39.64	-	-	74	-34.36	0-360	200	H
5	9.92	24.47	PK	37.4	-20.4	41.47	-	-	74	-32.53	0-360	200	H
2	* 4.959	42.14	PK	34	-28.9	47.24	-	-	74	-26.76	0-360	100	V
3	* 7.44	32.85	PK	35.8	-24.8	43.85	-	-	74	-30.15	0-360	100	V
6	9.92	29.75	PK	37.4	-20.4	46.75	-	-	74	-27.25	0-360	100	V
7	* 12.401	27.21	PK	38.9	-20.9	45.21	-	-	74	-28.79	0-360	100	V
8	14.88	25.04	PK	39.9	-20.5	44.44	-	-	74	-29.56	0-360	100	V

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

PK – Peak detector

Radiated Emissions

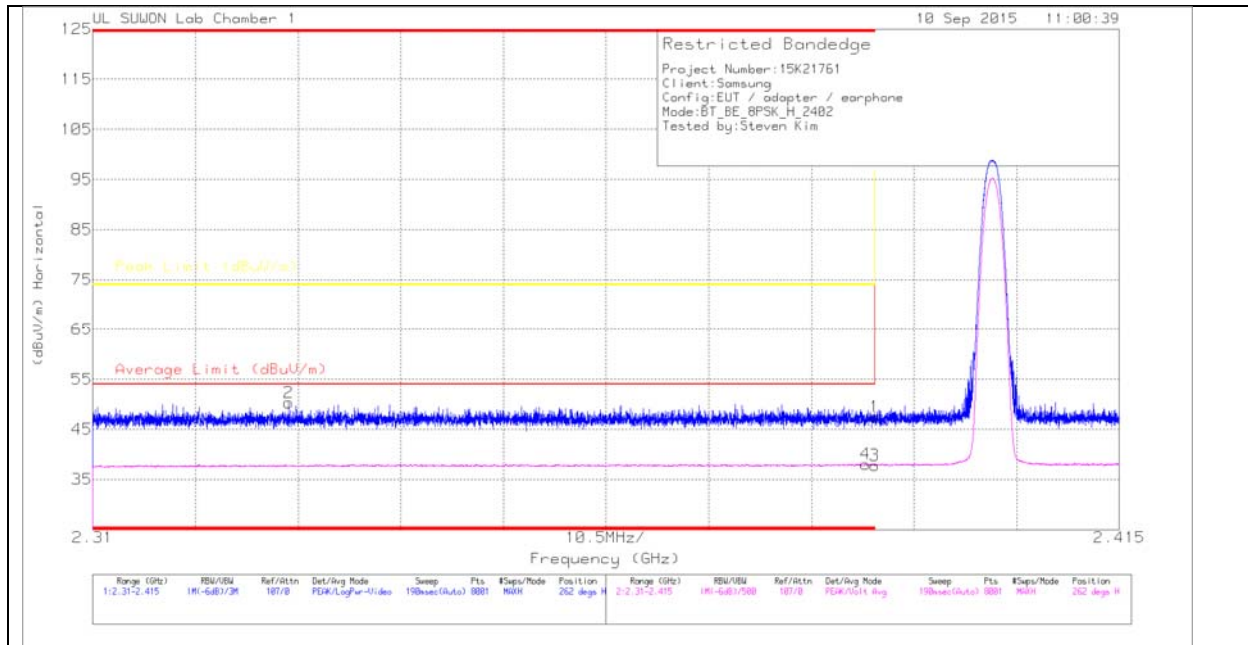
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3_3G HP	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.96	44.62	PK2	34	-28.9	49.72	-	-	74	-24.28	313	100	H
* 4.96	37.04	VA1T	34	-28.9	42.14	54	-11.86	-	-	313	100	H
* 4.96	46.98	PK2	34	-28.9	52.08	-	-	74	-21.92	291	321	V
* 4.96	39.94	VA1T	34	-28.9	45.04	54	-8.96	-	-	291	321	V
* 7.44	42.43	PK2	35.8	-24.8	53.43	-	-	74	-20.57	61	359	V
* 7.44	34.74	VA1T	35.8	-24.8	45.74	54	-8.26	-	-	61	359	V
* 7.44	38.13	PK2	35.8	-24.8	49.13	-	-	74	-24.87	131	330	H
* 7.44	26.85	VA1T	35.8	-24.8	37.85	54	-16.15	-	-	131	330	H
9.92	33.97	PK2	37.4	-20.4	50.97	-	-	74	-23.03	108	272	H
9.92	37.1	PK2	37.4	-20.4	54.1	-	-	74	-19.9	357	101	V
* 12.4	35.8	PK2	38.9	-20.9	53.8	-	-	74	-20.2	234	106	V
* 12.4	26.99	VA1T	38.9	-20.9	44.99	54	-9.01	-	-	234	106	V
14.88	34.53	PK2	39.9	-20.5	53.93	-	-	74	-20.07	359	107	V

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

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

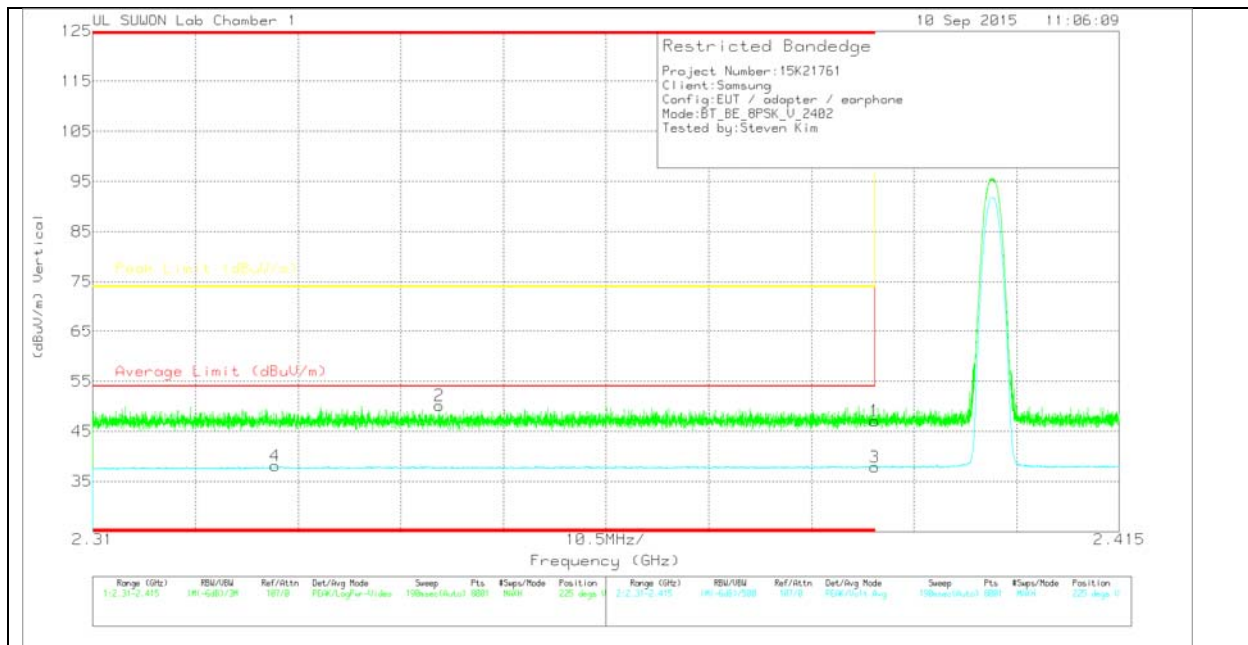
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_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	* 2.39	38.56	Pk	31.8	-22.8	47.56	-	-	74	-26.44	262	103	H
2	* 2.33	41.52	Pk	31.7	-22.9	50.32	-	-	74	-23.68	262	103	H
3	* 2.39	28.83	V1TV	31.8	-22.8	37.83	54	-16.17	-	-	262	103	H
4	* 2.389	29.08	V1TV	31.8	-22.8	38.08	54	-15.92	-	-	262	103	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

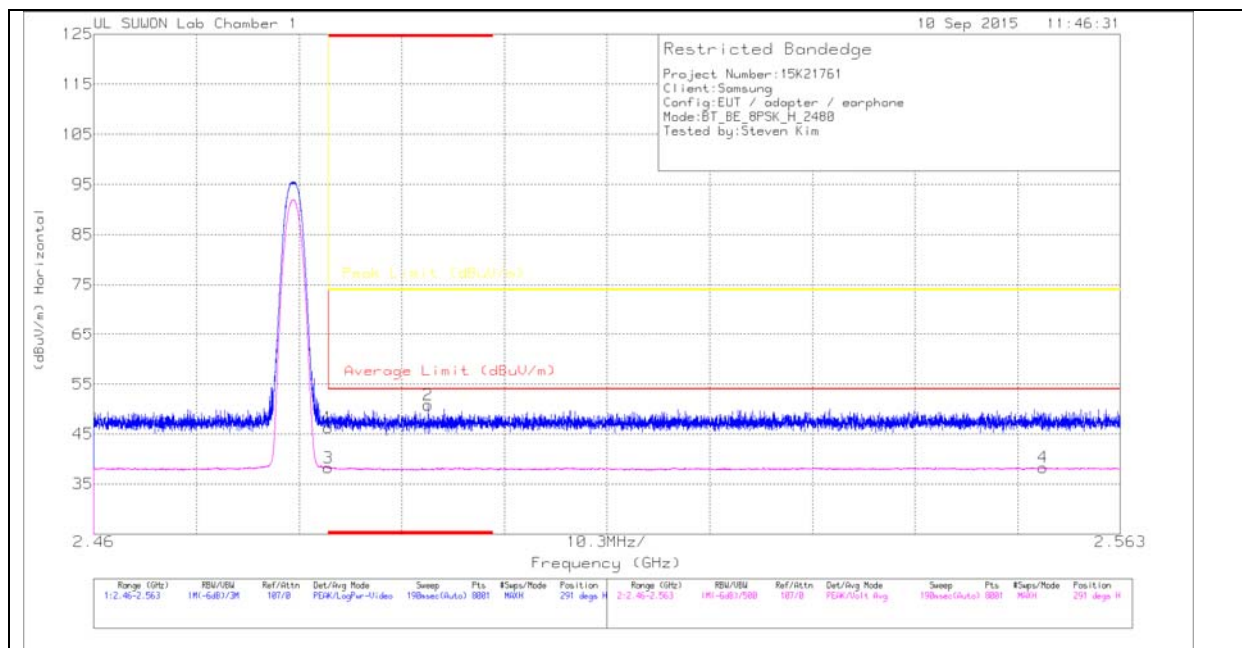
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.11	Pk	31.8	-22.8	47.11	-	-	74	-26.89	225	100	V
2	* 2.345	41.36	Pk	31.7	-22.9	50.16	-	-	74	-23.84	225	100	V
3	* 2.39	28.88	V1TV	31.8	-22.8	37.88	54	-16.12	-	-	225	100	V
4	* 2.329	29.33	V1TV	31.7	-22.9	38.13	54	-15.87	-	-	225	100	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

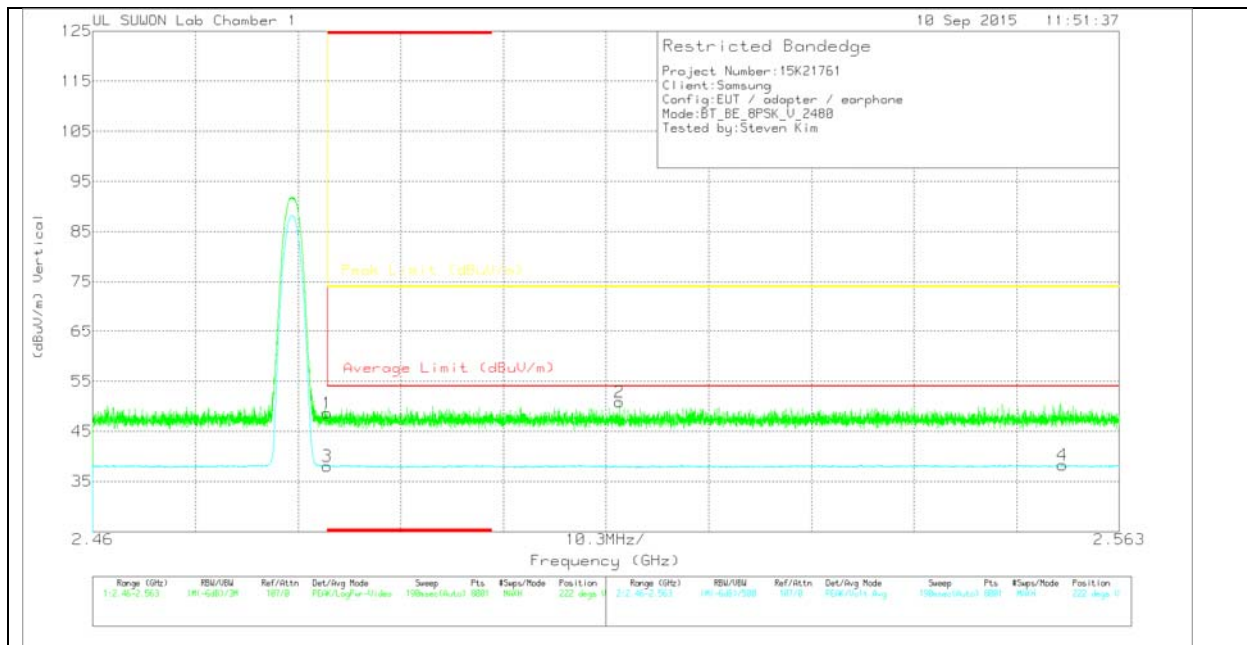
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_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	36.88	Pk	32	-22.6	46.28	-	-	74	-27.72	291	104	H
2	* 2.494	41.42	Pk	32	-22.6	50.82	-	-	74	-23.18	291	104	H
3	* 2.484	28.84	V1TV	32	-22.6	38.24	54	-15.76	-	-	291	104	H
4	2.555	28.93	V1TV	32	-22.6	38.33	54	-15.67	-	-	291	104	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

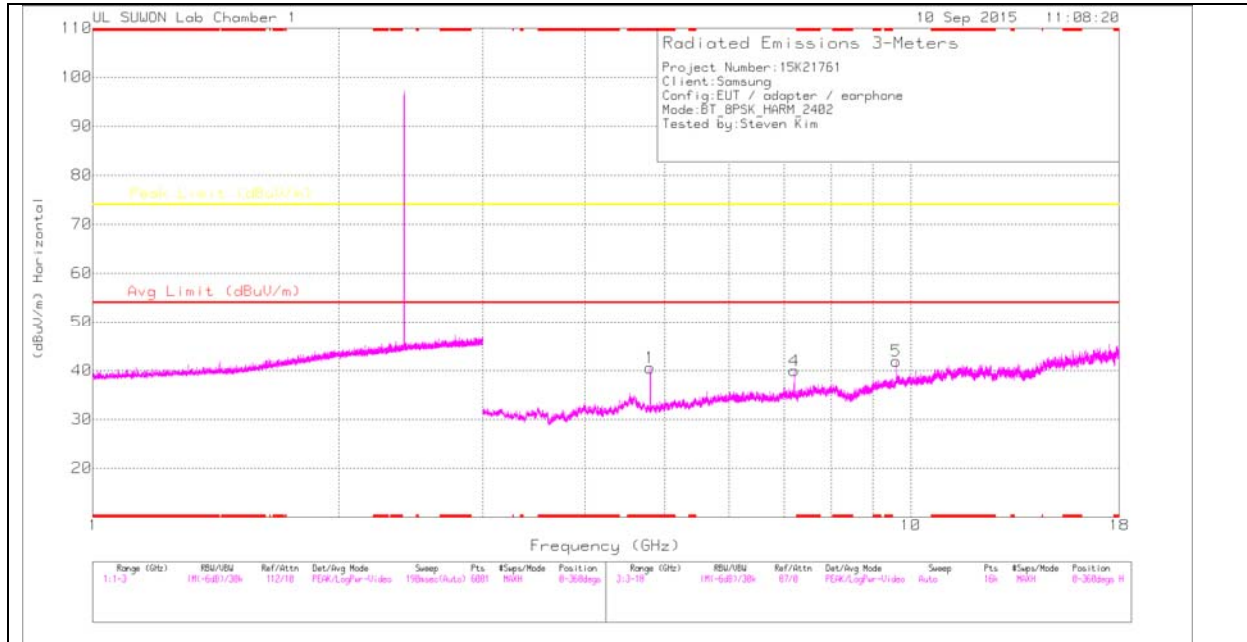
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_2_10 dB	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.24	Pk	32	-22.6	48.64	-	-	74	-25.36	222	218	V
2	2.513	41.44	Pk	32	-22.6	50.84	-	-	74	-23.16	222	218	V
3	* 2.484	28.66	V1TV	32	-22.6	38.06	54	-15.94	-	-	222	218	V
4	2.557	28.91	V1TV	32	-22.6	38.31	54	-15.69	-	-	222	218	V

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

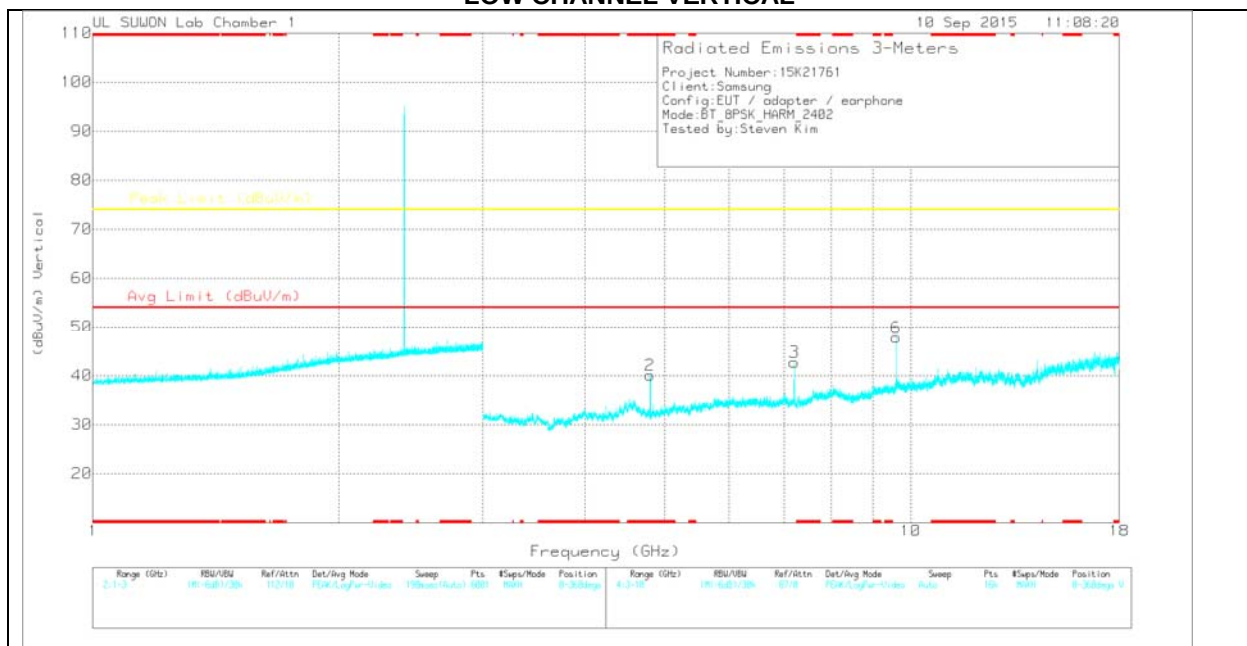
Pk - Peak detector

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(0016872 4)_150619	Path_3	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	* 4.804	36.34	PK	34	-29.8	40.54	-	-	74	-33.46	0-360	100	H	1
4	7.205	29.63	PK	35.7	-25.4	39.93	-	-	74	-34.07	0-360	200	H	4
5	9.608	25.9	PK	37	-21	41.9	-	-	74	-32.1	0-360	200	H	5
2	* 4.804	35.86	PK	34	-29.8	40.06	-	-	74	-33.94	0-360	100	V	2
3	7.206	32.45	PK	35.7	-25.4	42.75	-	-	74	-31.25	0-360	100	V	3
6	9.608	31.85	PK	37	-21	47.85	-	-	74	-26.15	0-360	100	V	6

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

PK - Peak detector

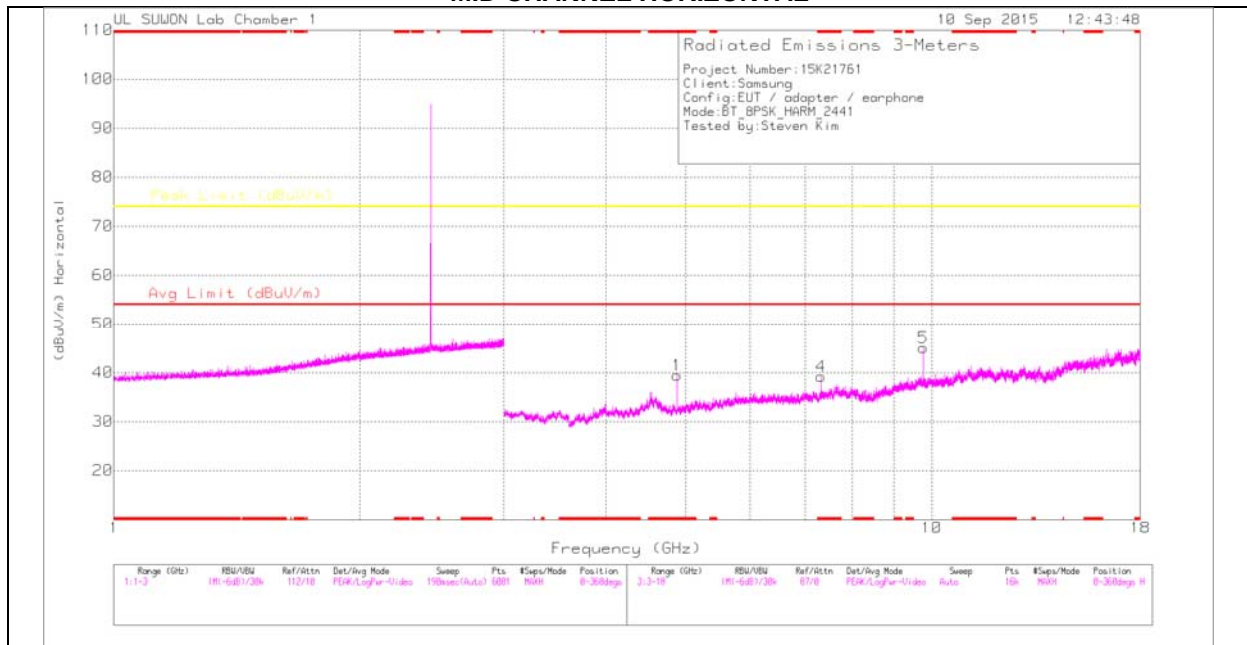
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3_3G HP	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.804	44.96	PK2	34	-29.8	49.16	-	-	74	-24.84	358	324	H
* 4.804	33.81	VA1T	34	-29.8	38.01	54	-15.99	-	-	358	324	H
* 4.804	47.31	PK2	34	-29.8	51.51	-	-	74	-22.49	262	103	V
* 4.804	36.48	VA1T	34	-29.8	40.68	54	-13.32	-	-	262	103	V
7.206	41.87	PK2	35.7	-25.4	52.17	-	-	74	-21.83	9	303	V
7.206	41.14	PK2	35.7	-25.4	51.44	-	-	74	-22.56	87	290	H
9.608	37.35	PK2	37	-21	53.35	-	-	74	-20.65	353	286	H
9.608	36.39	PK2	37	-21	52.39	-	-	74	-21.61	309	169	V

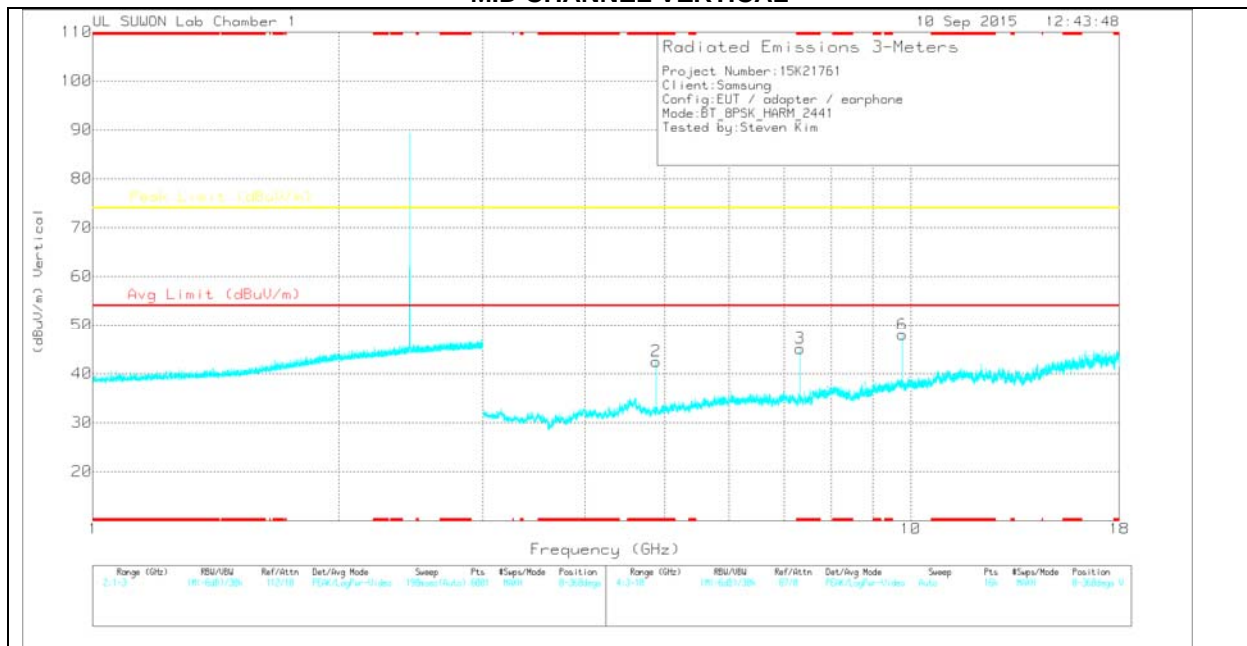
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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(00168724)_150619	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	34.56	PK	34	-29.1	39.46	-	-	74	-34.54	0-360	100	H
4	* 7.323	28.97	PK	35.8	-25.6	39.17	-	-	74	-34.83	0-360	200	H
5	9.764	29.89	PK	37.2	-22	45.09	-	-	74	-28.91	0-360	200	H
2	* 4.881	37.62	PK	34	-29.1	42.52	-	-	74	-31.48	0-360	100	V
3	* 7.323	34.94	PK	35.8	-25.6	45.14	-	-	74	-28.86	0-360	100	V
6	9.764	32.82	PK	37.2	-22	48.02	-	-	74	-25.98	0-360	100	V

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

PK – Peak detector

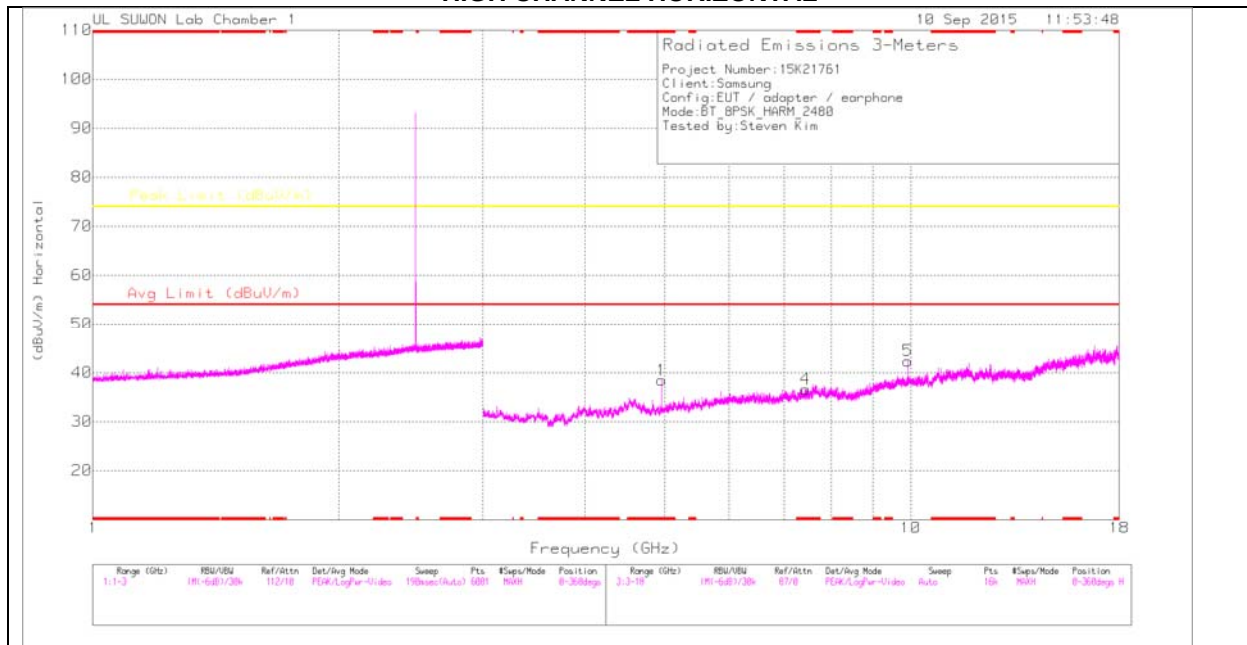
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168717)_150619	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
* 4.882	43.44	PK2	34	-29.1	48.34	-	-	74	-25.66	307	114	H
* 4.882	31.38	VA1T	34	-29.1	36.28	54	-17.72	-	-	307	114	H
* 4.882	48.24	PK2	34	-29.1	53.14	-	-	74	-20.86	262	100	V
* 4.882	36.7	VA1T	34	-29.1	41.6	54	-12.4	-	-	262	100	V
* 7.323	42.82	PK2	35.8	-25.6	53.02	-	-	74	-20.98	81	267	V
* 7.323	31.3	VA1T	35.8	-25.6	41.5	54	-12.5	-	-	81	267	V
* 7.323	40.81	PK2	35.8	-25.6	51.01	-	-	74	-22.99	25	284	H
* 7.323	28.61	VA1T	35.8	-25.6	38.81	54	-15.19	-	-	25	284	H
9.764	34.19	PK2	37.2	-22	49.39	-	-	74	-24.61	69	300	H
9.764	38.31	PK2	37.2	-22	53.51	-	-	74	-20.49	354	101	V

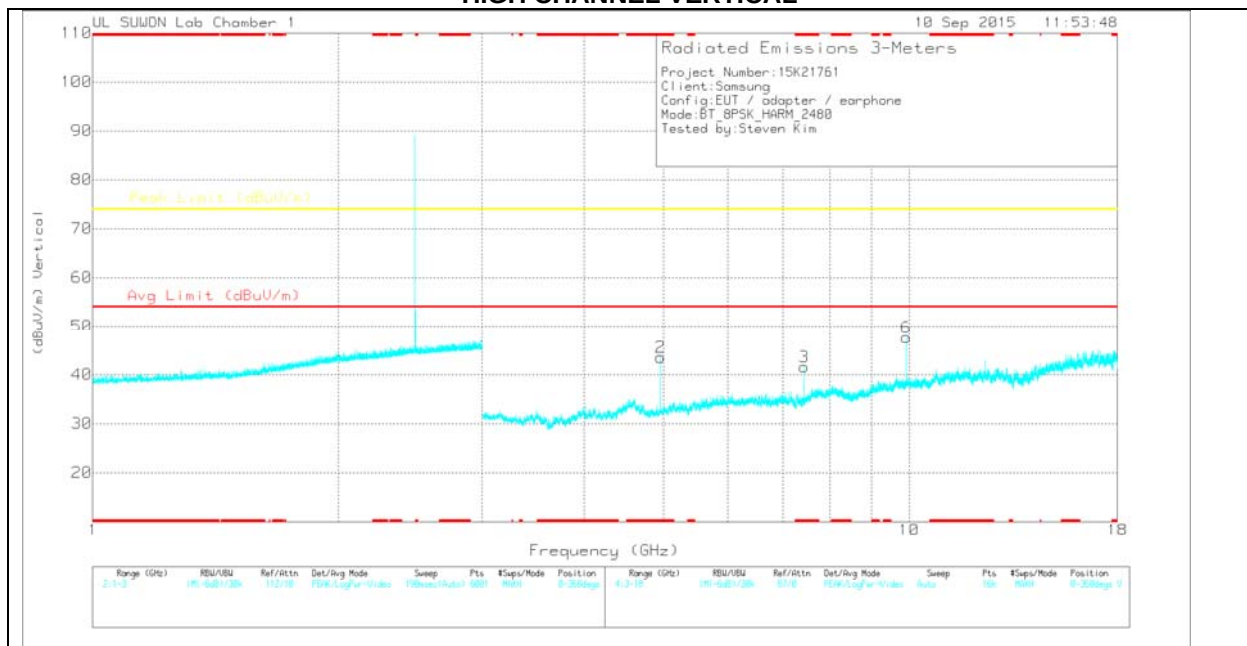
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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(0016872 4)_150619	Path_3	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	* 4.959	33.35	PK	34	-28.9	38.45	-	-	74	-35.55	0-360	100	H	1
4	* 7.44	25.63	PK	35.8	-24.8	36.63	-	-	74	-37.37	0-360	200	H	4
5	9.92	25.39	PK	37.4	-20.4	42.39	-	-	74	-31.61	0-360	200	H	5
2	* 4.96	38.44	PK	34	-28.9	43.54	-	-	74	-30.46	0-360	100	V	2
3	* 7.44	30.56	PK	35.8	-24.8	41.56	-	-	74	-32.44	0-360	100	V	3
6	9.92	30.65	PK	37.4	-20.4	47.65	-	-	74	-26.35	0-360	100	V	6

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

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168717)_150619	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
* 4.96	44.29	PK2	34	-28.9	49.39	-	-	74	-24.61	312	101	H
* 4.96	32.65	VA1T	34	-28.9	37.75	54	-16.25	-	-	312	101	H
* 4.96	46.49	PK2	34	-28.9	51.59	-	-	74	-22.41	291	320	V
* 4.96	35.55	VA1T	34	-28.9	40.65	54	-13.35	-	-	291	320	V
* 7.44	41.45	PK2	35.8	-24.8	52.45	-	-	74	-21.55	66	359	V
* 7.44	29.59	VA1T	35.8	-24.8	40.59	54	-13.41	-	-	66	359	V
9.92	36.56	PK2	37.4	-20.4	53.56	-	-	74	-20.44	352	100	V
9.92	33.14	PK2	37.4	-20.4	50.14	-	-	74	-23.86	72	228	H

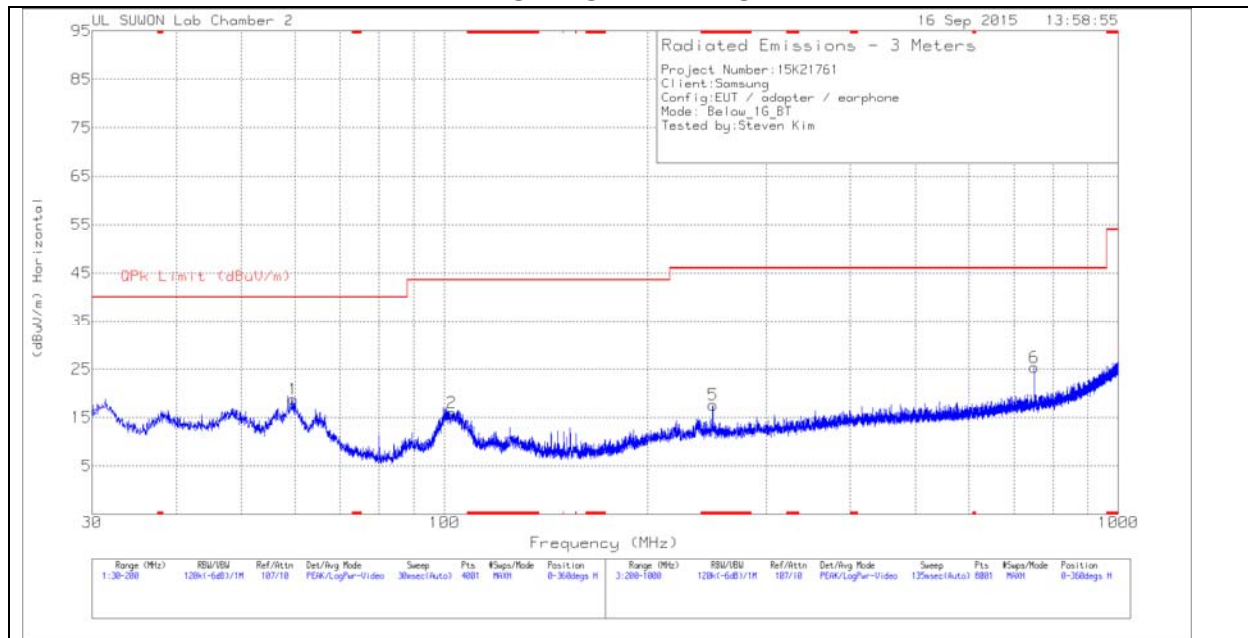
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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

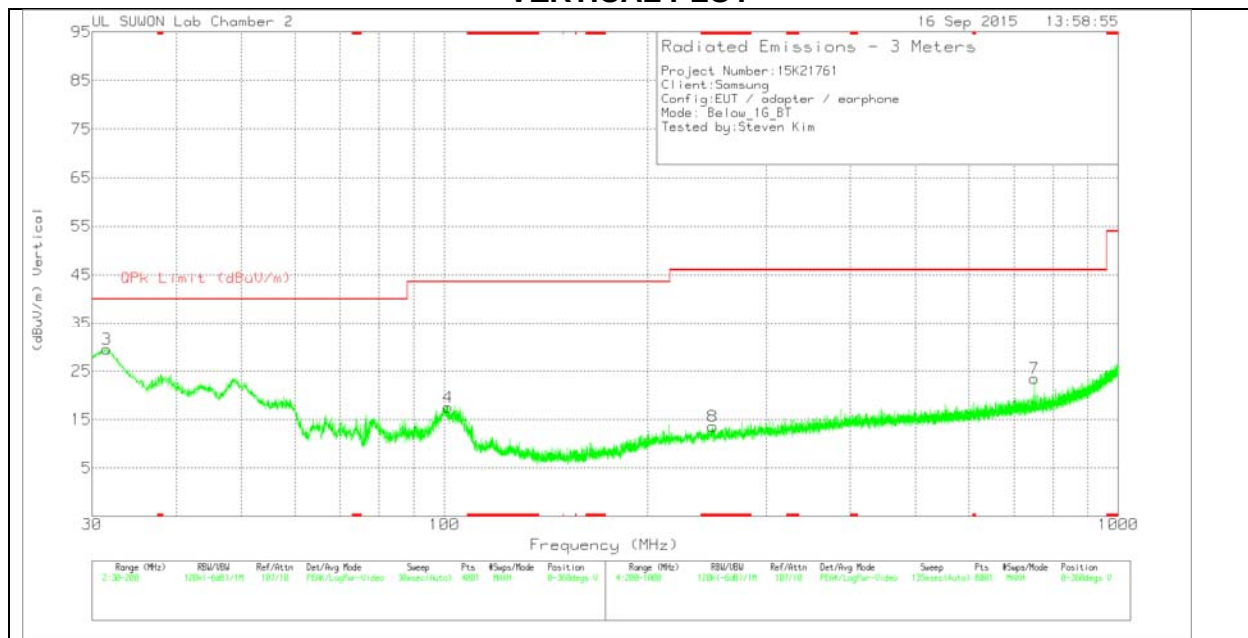
9.3. WORST-CASE BELOW 1 GHz

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	VULB9163-749	Below_1G	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.665	36.65	Pk	12.8	-30.7	18.75	40	-21.25	0-360	200	H
2	102.505	35.19	Pk	11.4	-30.6	15.99	43.52	-27.53	0-360	400	H
3	31.53	49.91	Pk	10.4	-30.8	29.51	40	-10.49	0-360	100	V
4	101.1875	36.49	Pk	11.5	-30.5	17.49	43.52	-26.03	0-360	100	V
5	* 250.2	35.29	Pk	12.4	-30.1	17.59	46.02	-28.43	0-360	100	H
6	750.6	36.7	Pk	17.6	-28.9	25.4	46.02	-20.62	0-360	100	H
7	750.6	34.79	Pk	17.6	-28.9	23.49	46.02	-22.53	0-360	100	V
8	* 250.1	31.26	Pk	12.4	-30.1	13.56	46.02	-32.46	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.

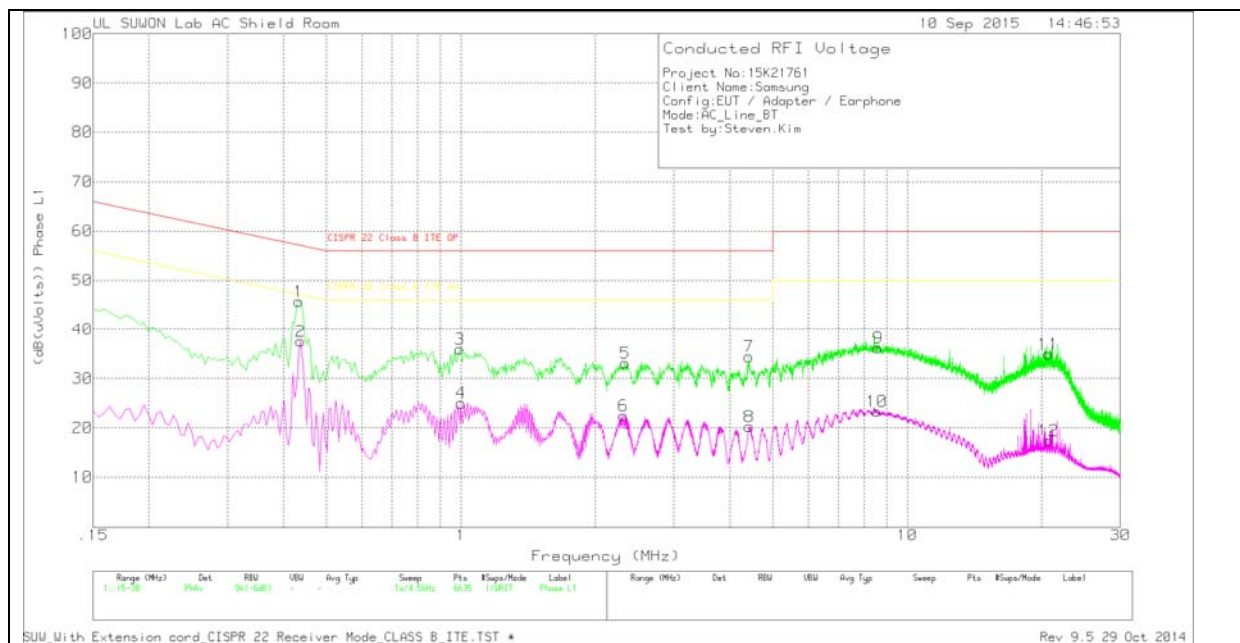
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

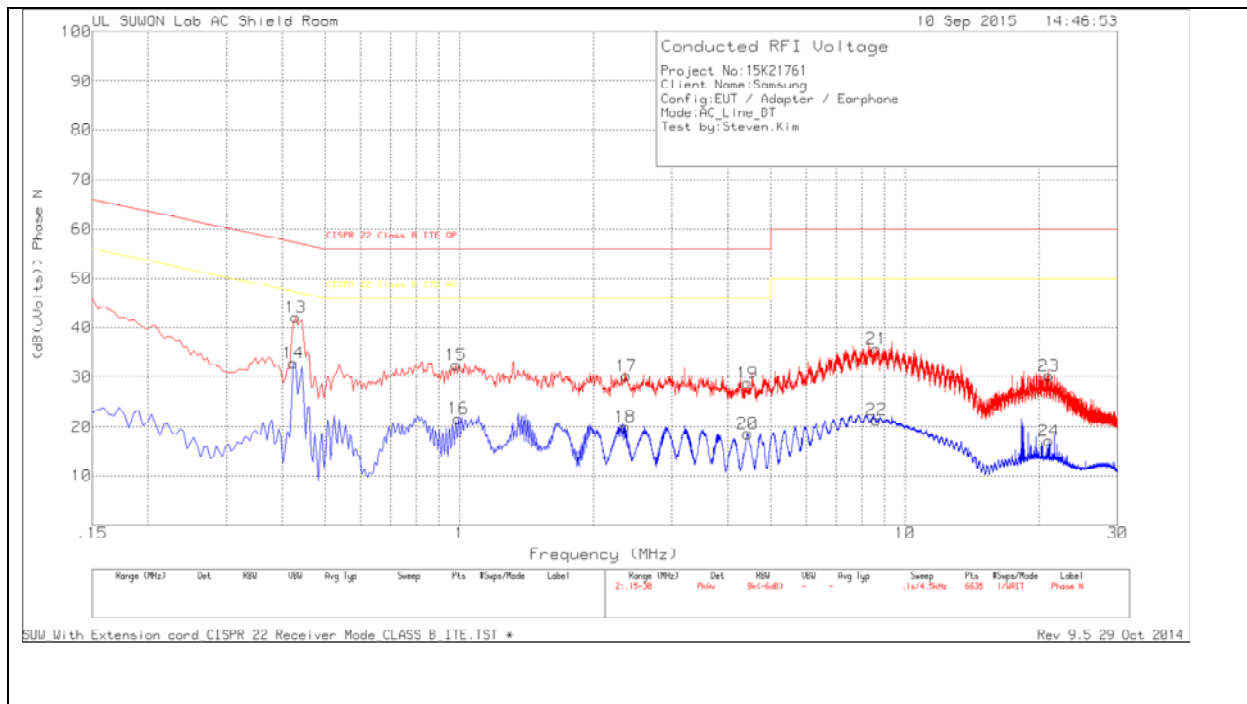
Phase L1 .15 - 30MHz

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	.4335	35.6	Pk	10.1	0	45.7	57.19	-11.49	-	-
2	.438	27.45	Av	10.1	0	37.55	-	-	47.1	-9.55
3	.996	26.03	Pk	9.9	0	35.93	56	-20.07	-	-
4	1.0005	15.12	Av	9.9	0	25.02	-	-	46	-20.98
5	2.3325	23.2	Pk	9.8	.1	33.1	56	-22.9	-	-
6	2.31	12.61	Av	9.8	.1	22.51	-	-	46	-23.49
7	4.416	24.52	Pk	9.8	.1	34.42	56	-21.58	-	-
8	4.425	10.32	Av	9.8	.1	20.22	-	-	46	-25.78
9	8.601	26.22	Pk	9.9	.1	36.22	60	-23.78	-	-
10	8.5605	13.38	Av	9.9	.1	23.38	-	-	50	-26.62
11	20.688	24.36	Pk	10.4	.2	34.96	60	-25.04	-	-
12	20.688	6.8	Av	10.4	.2	17.4	-	-	50	-32.6

Pk - Peak detector

Av - Average detection

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	.429	32.03	Pk	10.1	0	42.13	57.27	-15.14	-	-
14	.4245	22.8	Av	10.1	0	32.9	-	-	47.36	-14.46
15	.9825	22.56	Pk	9.9	0	32.46	56	-23.54	-	-
16	.996	11.72	Av	9.9	0	21.62	-	-	46	-24.38
17	2.3685	20.4	Pk	9.8	.1	30.3	56	-25.7	-	-
18	2.3595	10.08	Av	9.8	.1	19.98	-	-	46	-26.02
19	4.434	18.88	Pk	9.8	.1	28.78	56	-27.22	-	-
20	4.434	8.69	Av	9.8	.1	18.59	-	-	46	-27.41
21	8.6415	25.63	Pk	10	.1	35.73	60	-24.27	-	-
22	8.637	11.31	Av	10	.1	21.41	-	-	50	-28.59
23	21.057	19.45	Pk	10.6	.2	30.25	60	-29.75	-	-
24	21.0525	6.34	Av	10.6	.2	17.14	-	-	50	-32.86

Pk - Peak detector

Av - Average detection