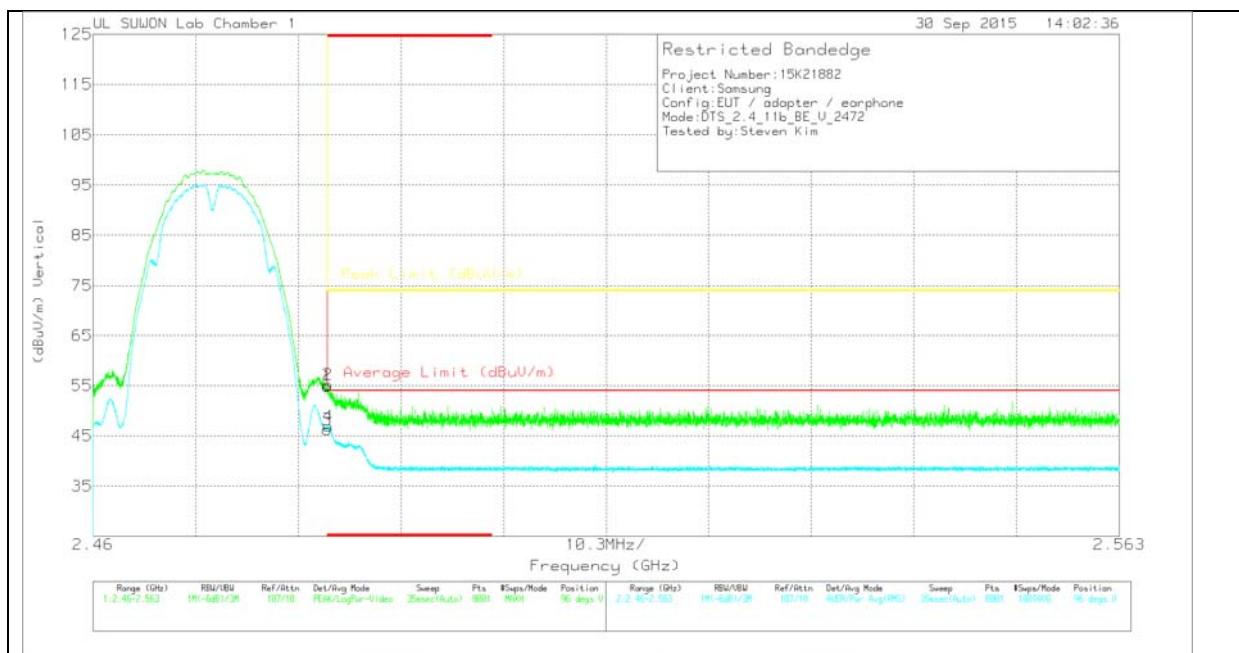


**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	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	45.52	Pk	32	-22.6	0	54.92	-	-	74	-19.08	96	240	V
2	* 2.484	45.79	PK	32	-22.6	0	55.19	-	-	74	-18.81	96	240	V
3	* 2.484	36.84	RMS	32	-22.6	0	46.24	54	-7.76	-	-	96	240	V
4	* 2.484	37.55	RMS	32	-22.6	0	46.95	54	-7.05	-	-	96	240	V

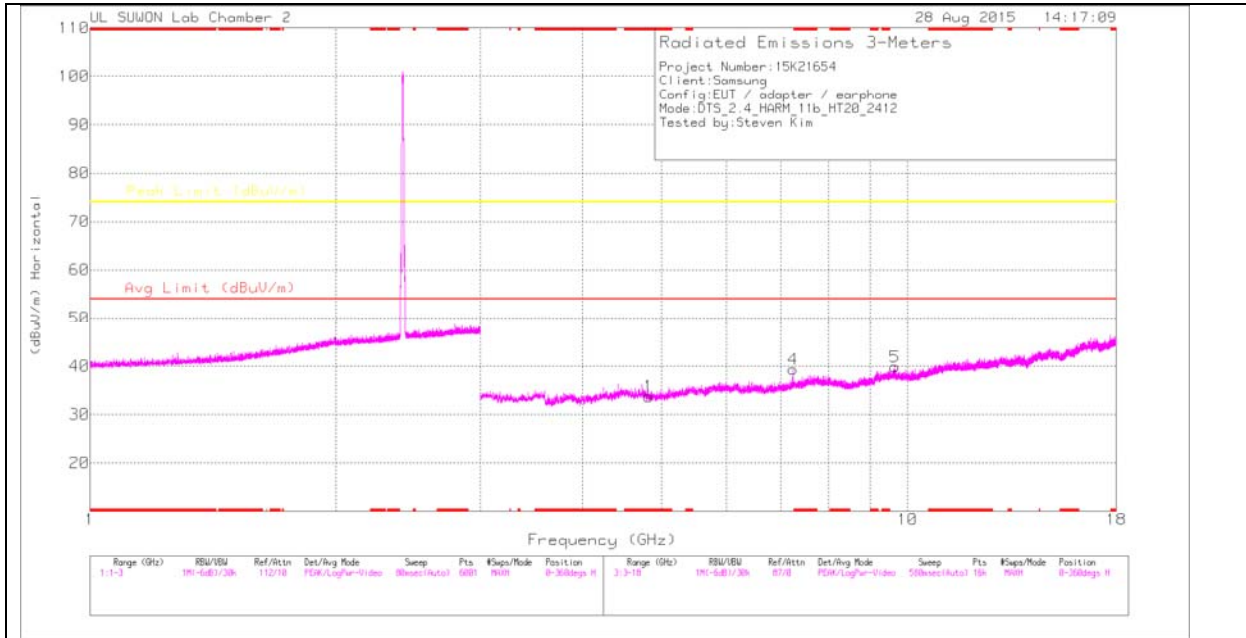
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

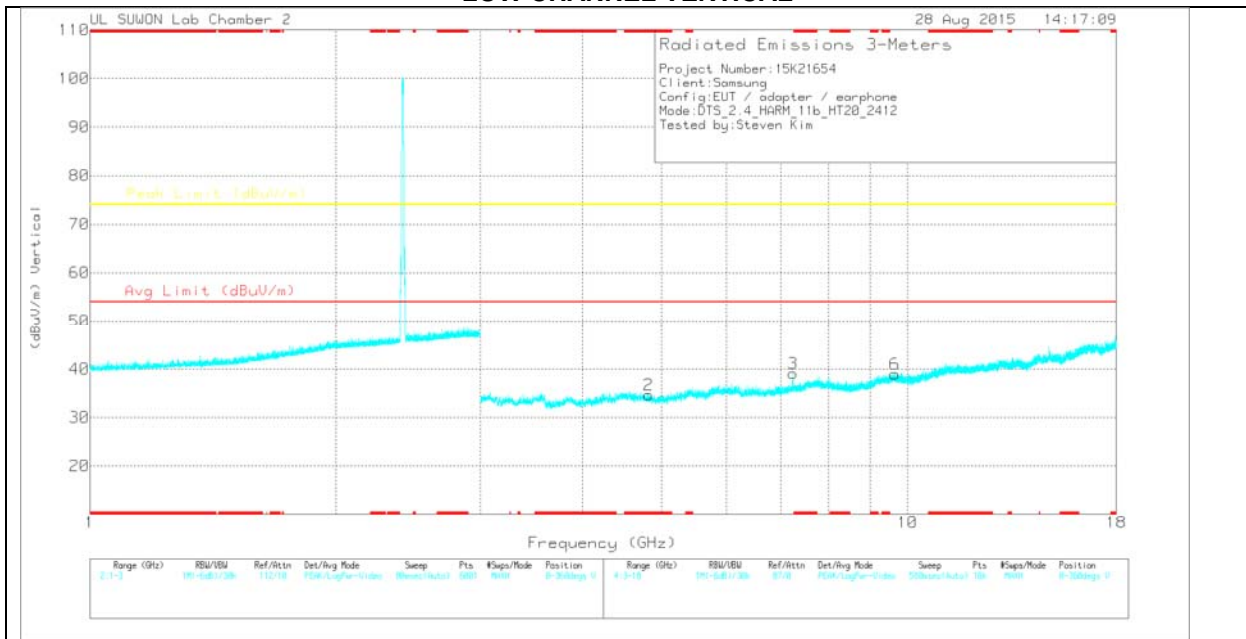
RMS - RMS detection

### 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(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	* 4.823	25.13	PK	33.9	-25.3	0	33.73	-	-	74	-40.27	0-360	200	H
4	7.235	26.56	PK	35.8	-23	0	39.36	-	-	74	-34.64	0-360	200	H
5	9.647	21.97	PK	36.9	-19	0	39.87	-	-	74	-34.13	0-360	200	H
2	* 4.821	26.03	PK	33.9	-25.3	0	34.63	-	-	74	-39.37	0-360	100	V
3	7.235	26.26	PK	35.8	-23	0	39.06	-	-	74	-34.94	0-360	200	V
6	9.647	21.11	PK	36.9	-19	0	39.01	-	-	74	-34.99	0-360	100	V

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

PK – Peak detector

Radiated Emissions

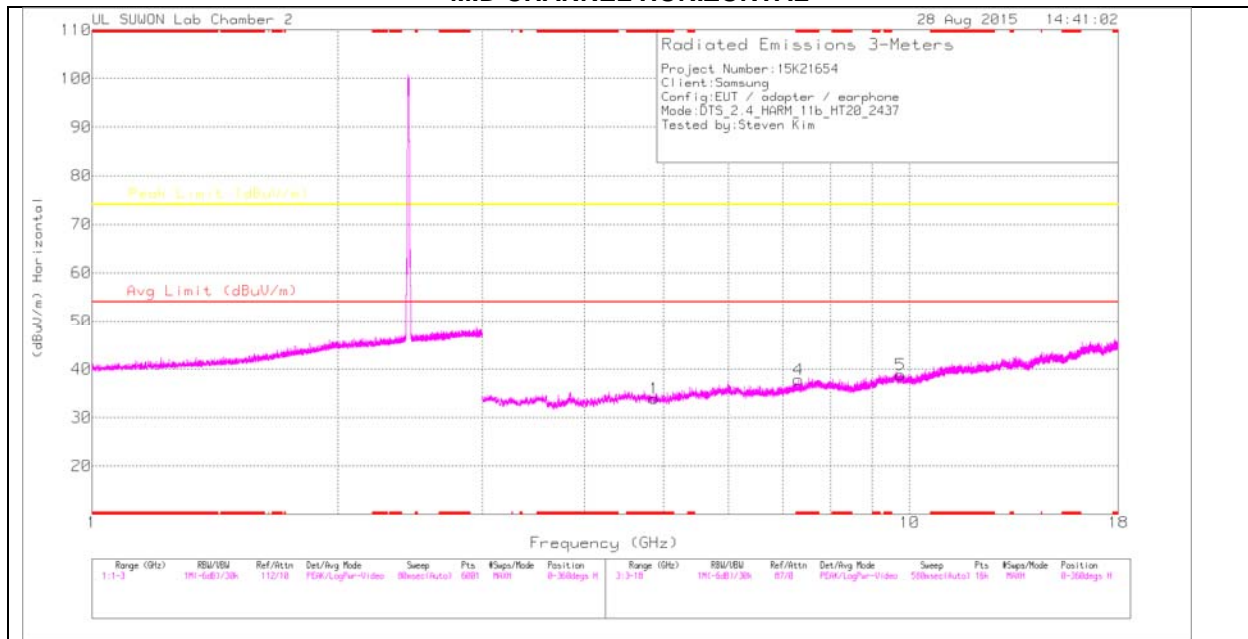
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.236	36.47	PK2	35.8	-23	0	49.27	-	-	74	-24.73	314	336	H
7.236	23.64	MAv1	35.8	-23	0	36.44	-	-	-	-	314	336	H
7.234	35.95	PK2	35.8	-23	0	48.75	-	-	74	-25.25	93	247	V
7.236	24.54	MAv1	35.8	-23	0	37.34	-	-	-	-	93	247	V

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

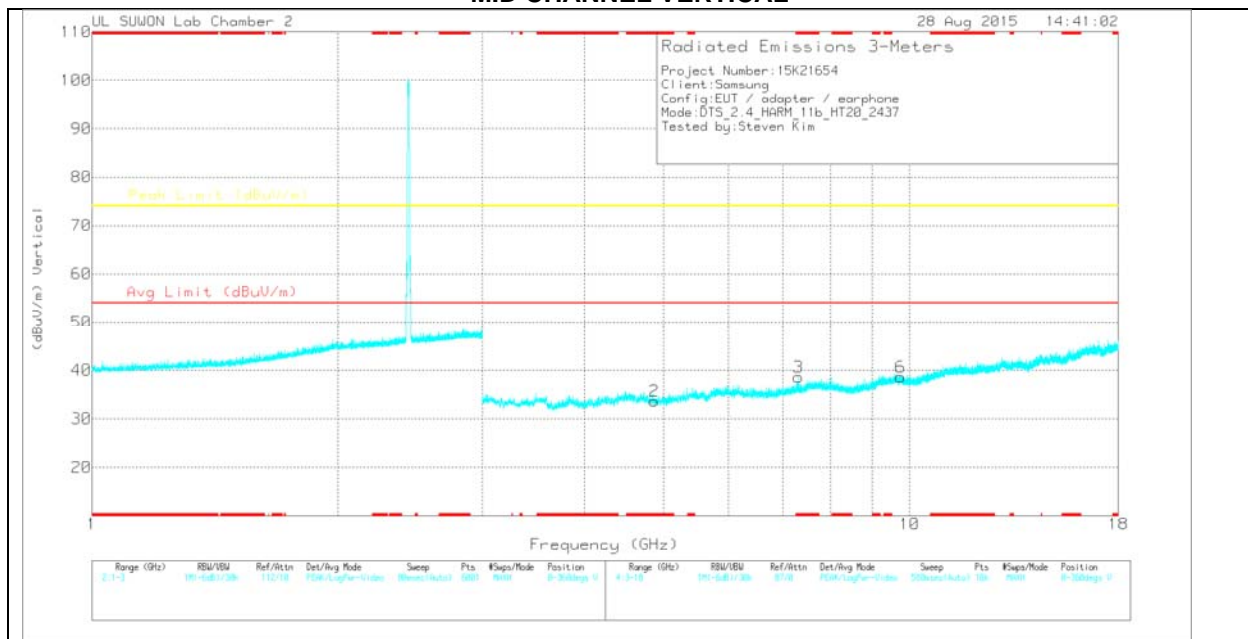
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**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

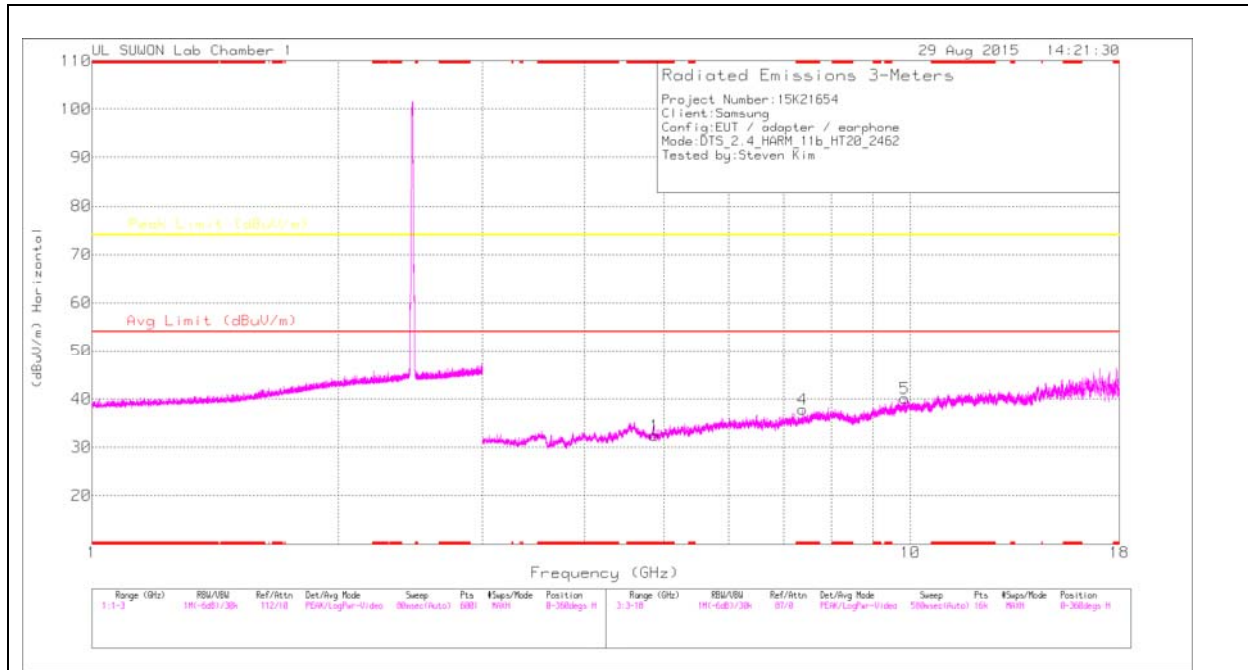
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.872	25.23	PK	33.9	-25.2	0	33.93	-	-	74	-40.07	0-360	200	H
4	* 7.31	24.54	PK	35.9	-22.6	0	37.84	-	-	74	-36.16	0-360	200	H
5	9.748	21.13	PK	37	-19.3	0	38.83	-	-	74	-35.17	0-360	200	H
2	* 4.87	24.99	PK	33.9	-25.2	0	33.69	-	-	74	-40.31	0-360	200	V
3	* 7.31	25.29	PK	35.9	-22.6	0	38.59	-	-	74	-35.41	0-360	200	V
6	9.748	20.86	PK	37	-19.3	0	38.56	-	-	74	-35.44	0-360	200	V

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

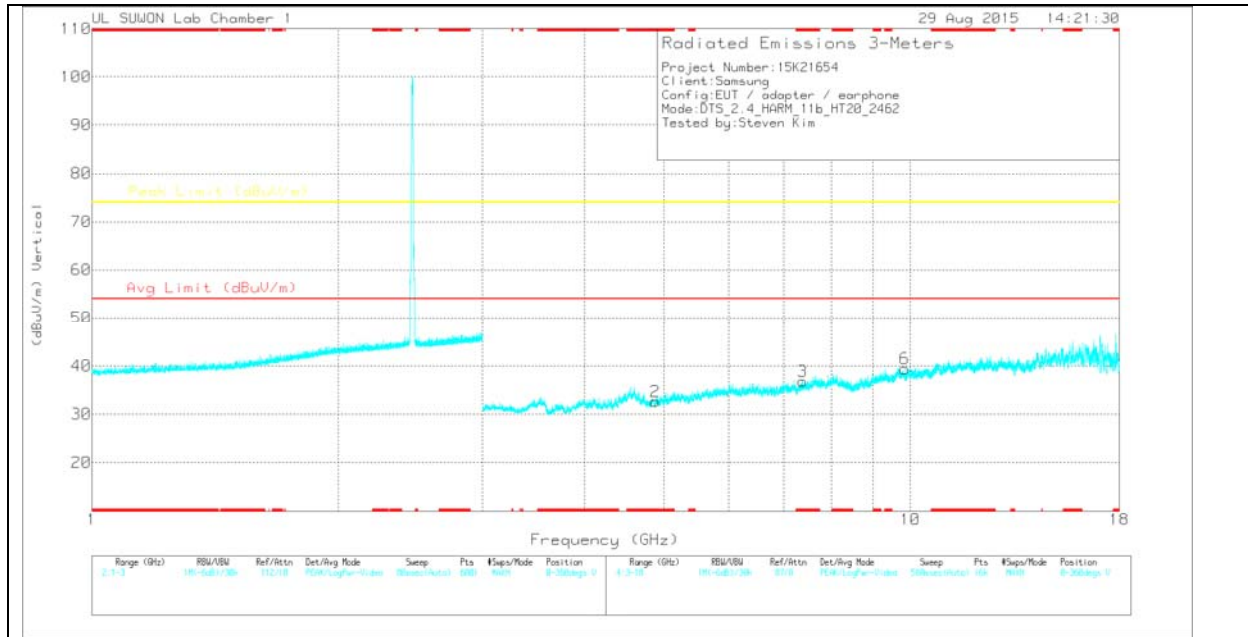
PK – Peak detector

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

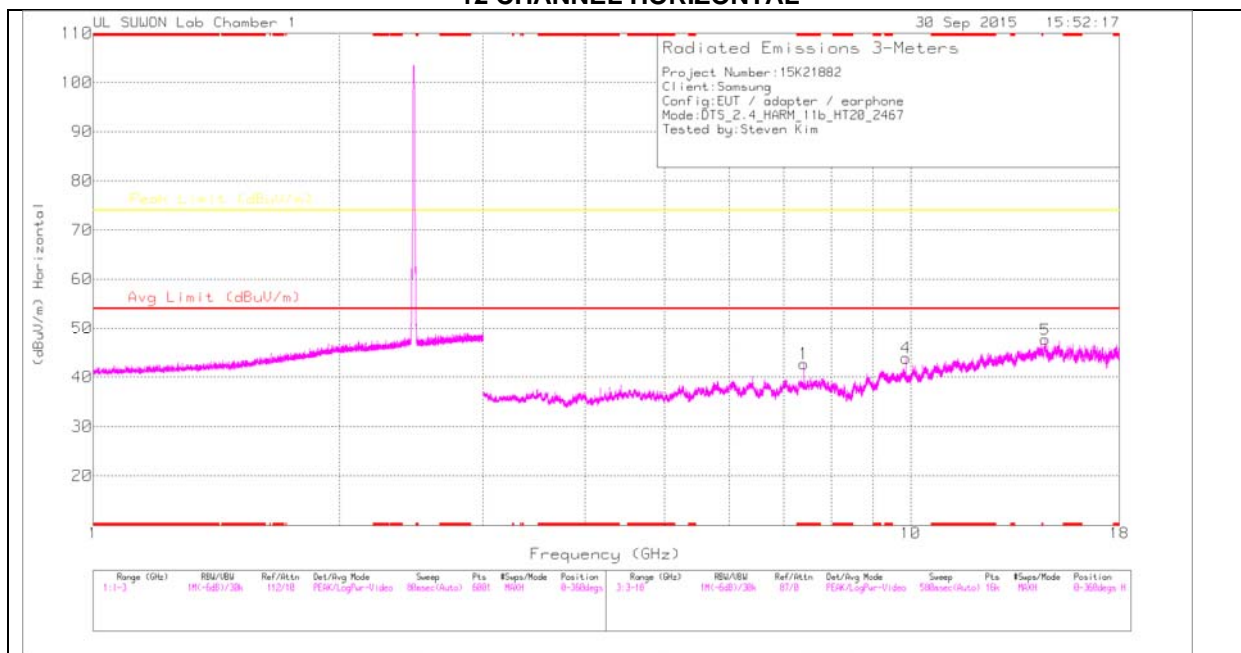
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_3_3GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	27.57	PK	34	-29.2	0	32.37	-	-	74	-41.63	0-360	100	H
4	* 7.386	27.12	PK	35.8	-25.1	0	37.82	-	-	74	-36.18	0-360	200	H
5	9.848	24.43	PK	37.3	-21.6	0	40.13	-	-	74	-33.87	0-360	200	H
2	* 4.878	27.77	PK	34	-29.1	0	32.67	-	-	74	-41.33	0-360	100	V
3	* 7.386	26.12	PK	35.8	-25.1	0	36.82	-	-	74	-37.18	0-360	200	V
6	9.848	23.72	PK	37.3	-21.6	0	39.42	-	-	74	-34.58	0-360	100	V

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

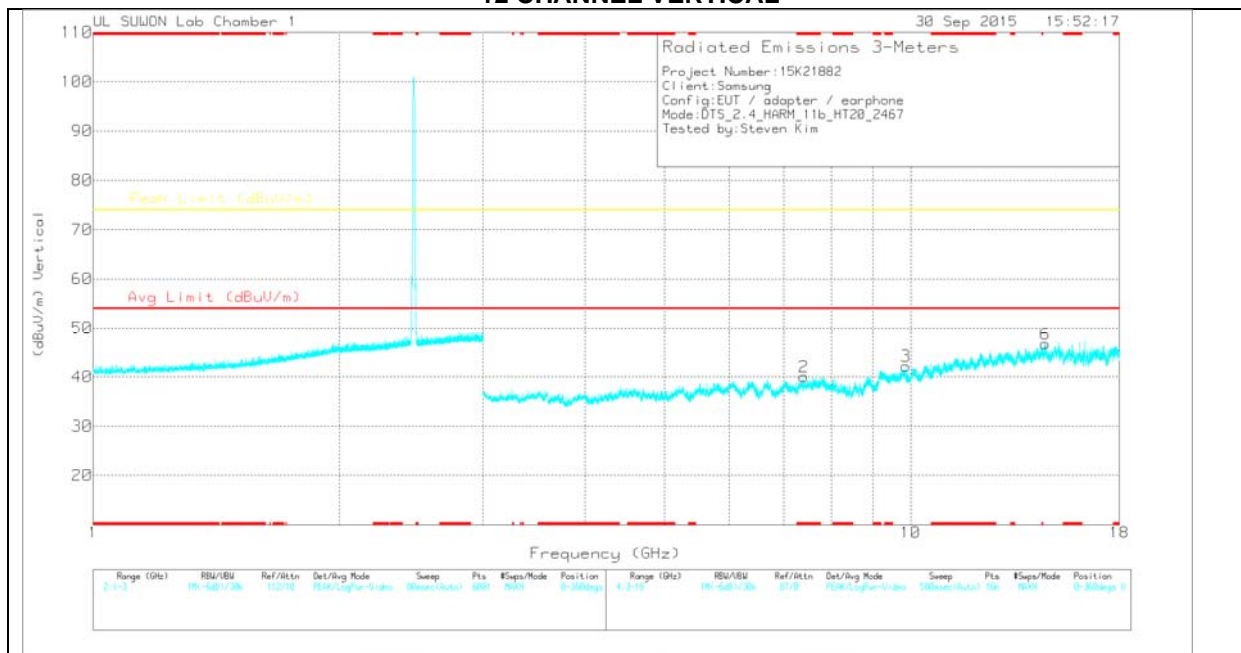
PK – Peak detector

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(00168724)_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	* 7.4	28.81	PK	36	-22.1	0	42.71	-	-	74	-31.29	0-360	200	H
4	9.868	25.95	PK	37.1	-19.2	0	43.85	-	-	74	-30.15	0-360	200	H
5	14.617	24.91	PK	39.4	-16.7	0	47.61	-	-	74	-26.39	0-360	100	H
2	* 7.4	26.11	PK	36	-22.1	0	40.01	-	-	74	-33.99	0-360	200	V
3	9.868	24.3	PK	37.1	-19.2	0	42.2	-	-	74	-31.8	0-360	100	V
6	14.613	24.07	PK	39.4	-16.7	0	46.77	-	-	74	-27.23	0-360	200	V

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

PK – Peak detector

Radiated Emissions

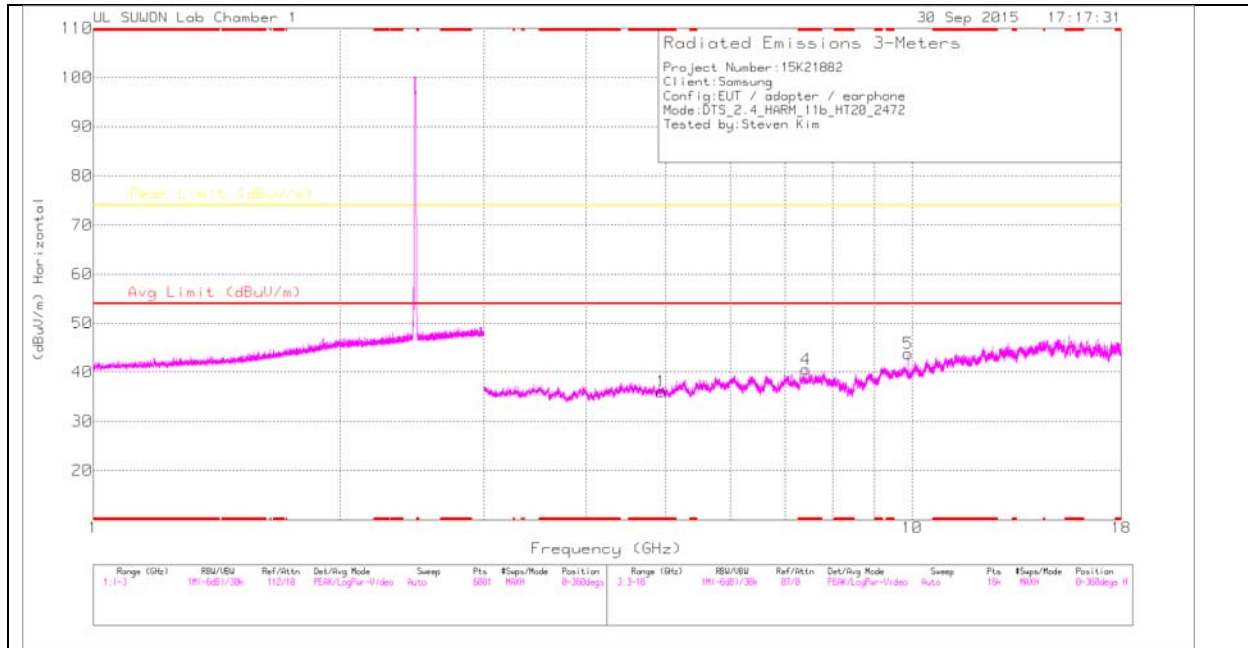
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168724)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.401	39.15	PK2	36	-22.1	0	53.05	-	-	74	-20.95	262	190	H
* 7.401	25.74	MAV1	36	-22.1	0	39.64	54	-14.36	-	-	262	190	H
9.868	34.36	PK2	37.1	-19.2	0	52.26	-	-	74	-21.74	303	238	H
14.618	34.2	PK2	39.4	-16.7	0	56.9	-	-	74	-17.1	247	107	H
* 7.401	37.48	PK2	36	-22.1	0	51.38	-	-	74	-22.62	328	277	V
* 7.401	24.71	MAV1	36	-22.1	0	38.61	54	-15.39	-	-	328	277	V
9.868	33.8	PK2	37.1	-19.2	0	51.7	-	-	74	-22.3	59	305	V
14.613	34.28	PK2	39.4	-16.7	0	56.98	-	-	74	-17.02	287	216	V

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

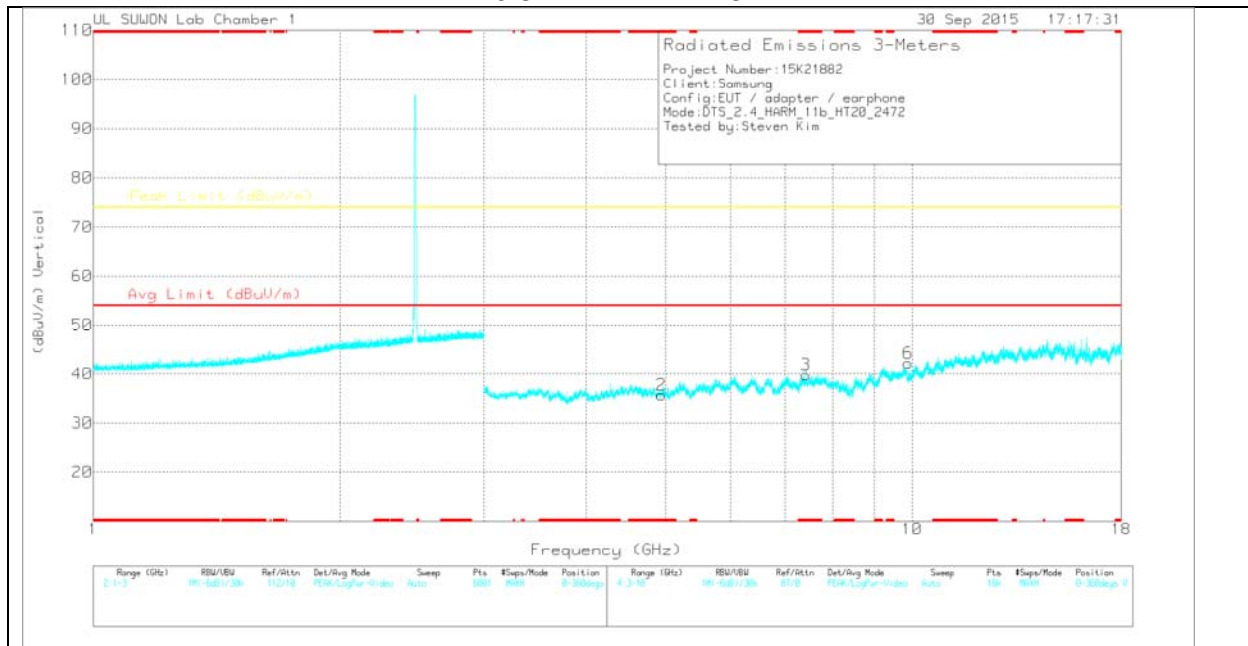
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

### 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	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	* 4.943	27.21	PK	33.9	-25.1	0	36.01	-	-	74	-37.99	0-360	200	H
4	* 7.415	26.64	PK	36	-22.1	0	40.54	-	-	74	-33.46	0-360	200	H
5	9.888	25.82	PK	37.1	-19.2	0	43.72	-	-	74	-30.28	0-360	200	H
2	* 4.943	26.92	PK	33.9	-25.1	0	35.72	-	-	74	-38.28	0-360	200	V
3	* 7.416	25.93	PK	36	-22.1	0	39.83	-	-	74	-34.17	0-360	200	V
6	9.888	24.31	PK	37.1	-19.2	0	42.21	-	-	74	-31.79	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(001 68724)_1 50619	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
* 7.416	37.82	PK2	36	-22.1	0	51.72	-	-	74	-22.28	271	270	H
* 7.416	27.12	MAv1	36	-22.1	0	41.02	54	-12.98	-	-	271	270	H
9.888	35	PK2	37.1	-19.2	0	52.9	-	-	74	-21.1	304	216	H
* 7.416	37.21	PK2	36	-22.1	0	51.11	-	-	74	-22.89	309	252	V
* 7.416	24.39	MAv1	36	-22.1	0	38.29	54	-15.71	-	-	309	252	V
9.887	34.41	PK2	37.1	-19.2	0	52.31	-	-	74	-21.69	60	100	V

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

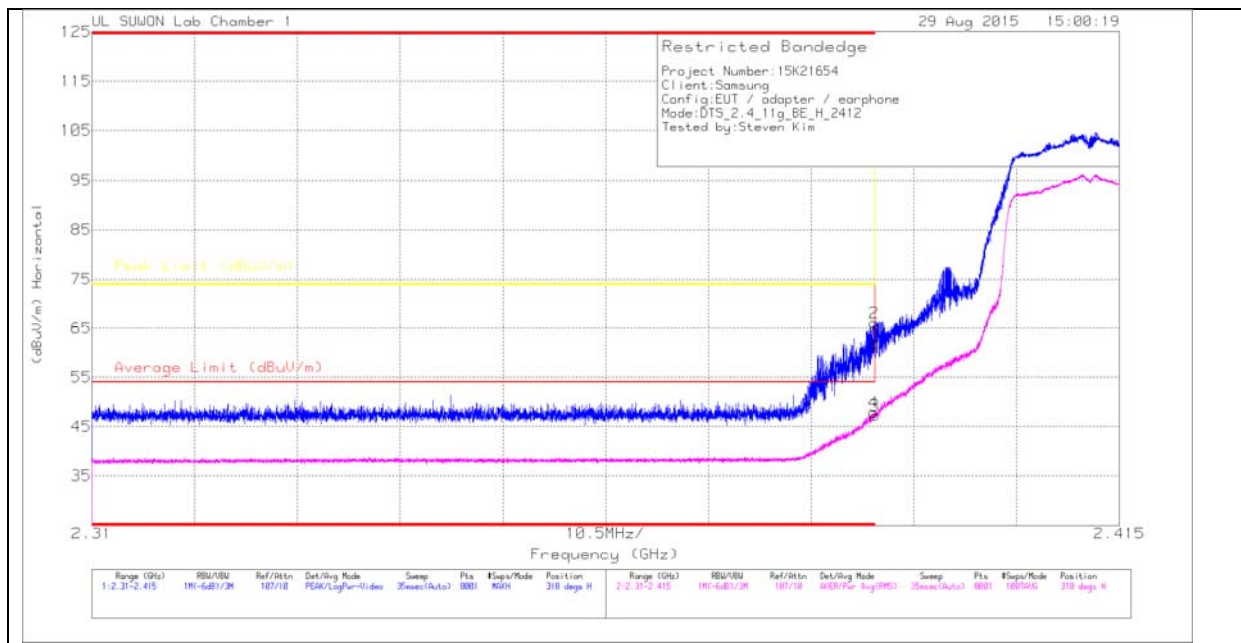
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 11.2.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

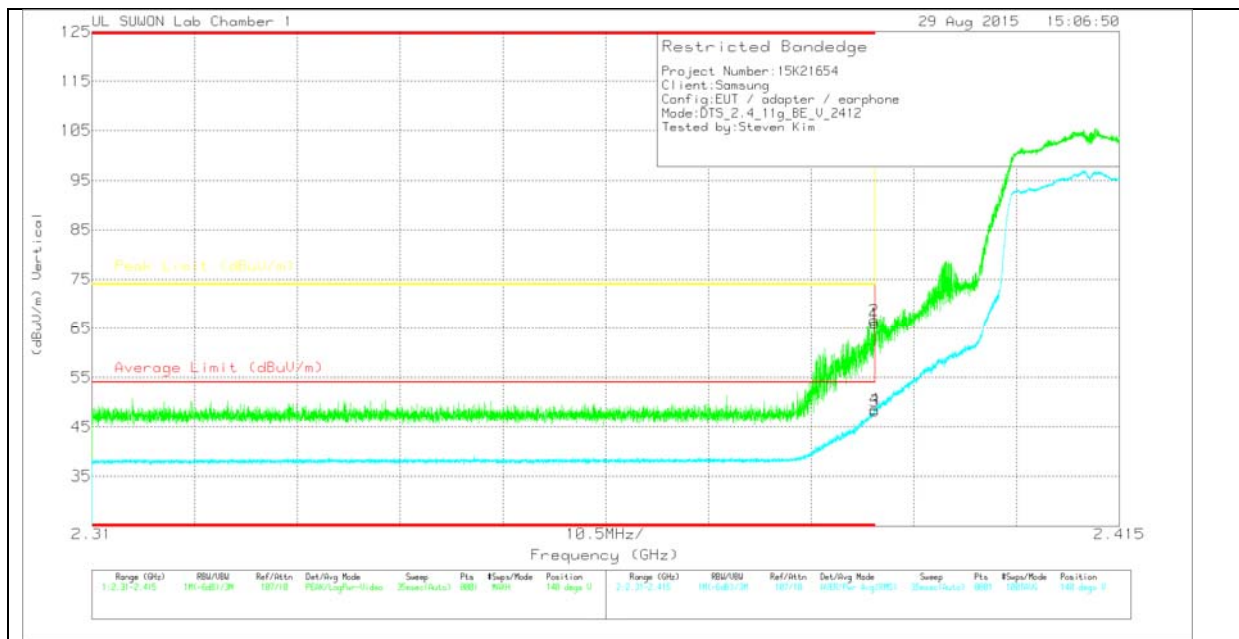
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17_150619)	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.83	PK	31.8	-22.8	0	61.83	-	-	74	-12.17	318	100	H
2	* 2.39	57.21	PK	31.8	-22.8	0	66.21	-	-	74	-7.79	318	100	H
3	* 2.39	37.89	RMS	31.8	-22.8	.3	47.19	54	-6.81	-	-	318	100	H
4	* 2.39	38.57	RMS	31.8	-22.8	.3	47.87	54	-6.13	-	-	318	100	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 17)_150619	Path_2_10d B	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	57.05	Pk	31.8	-22.8	0	66.05	-	-	74	-7.95	140	297	V
2	* 2.39	57.67	Pk	31.8	-22.8	0	66.67	-	-	74	-7.33	140	297	V
3	* 2.39	38.88	RMS	31.8	-22.8	.3	48.18	54	-5.82	-	-	140	297	V
4	* 2.39	39.24	RMS	31.8	-22.8	.3	48.54	54	-5.46	-	-	140	297	V

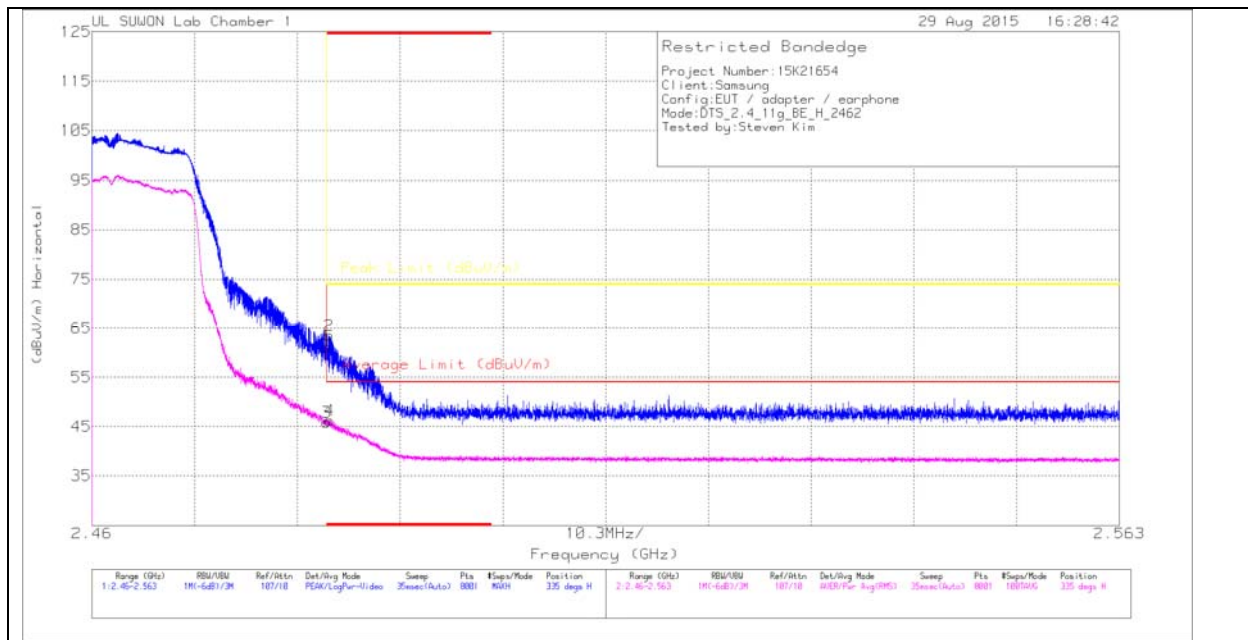
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

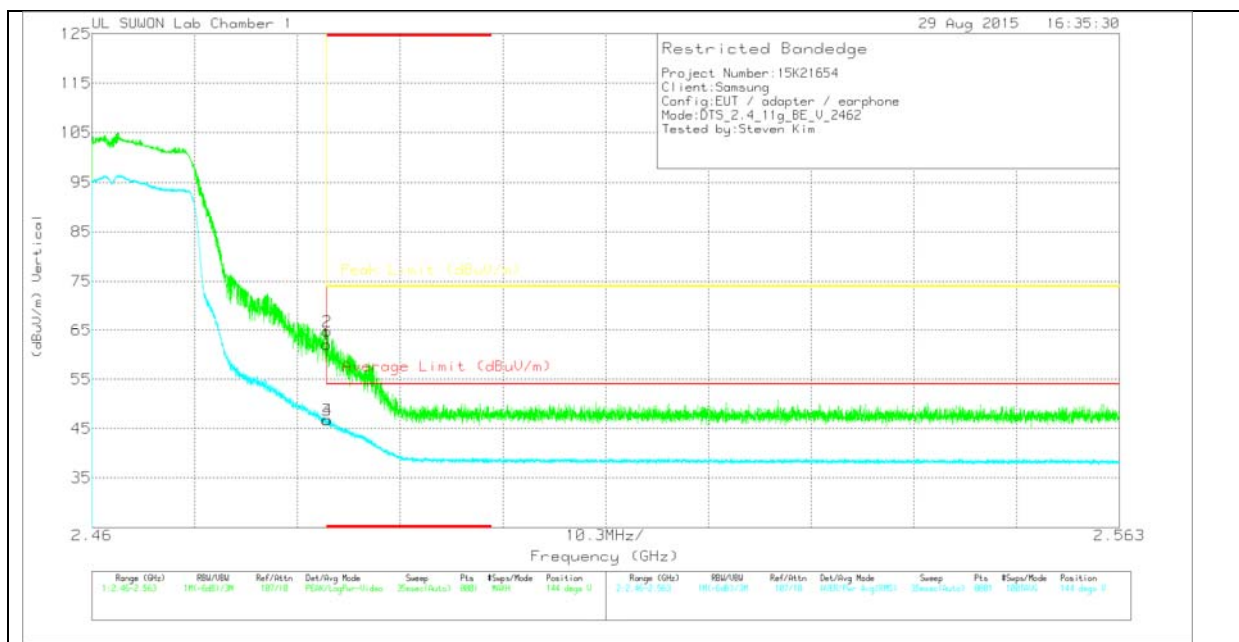
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.85	Pk	32	-22.6	0	61.25	-	-	74	-12.75	335	280	H
2	* 2.484	54.19	Pk	32	-22.6	0	63.59	-	-	74	-10.41	335	280	H
3	* 2.484	36.21	RMS	32	-22.6	.3	45.91	54	-8.09	-	-	335	280	H
4	* 2.484	36.6	RMS	32	-22.6	.3	46.3	54	-7.7	-	-	335	280	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 17)_150619	Path_2_10d B	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	52.66	PK	32	-22.6	0	62.06	-	-	74	-11.94	144	343	V
2	* 2.484	55.43	Pk	32	-22.6	0	64.83	-	-	74	-9.17	144	343	V
3	* 2.484	37.02	RMS	32	-22.6	.3	46.72	54	-7.28	-	-	144	343	V
4	* 2.484	37.09	RMS	32	-22.6	.3	46.79	54	-7.21	-	-	144	343	V

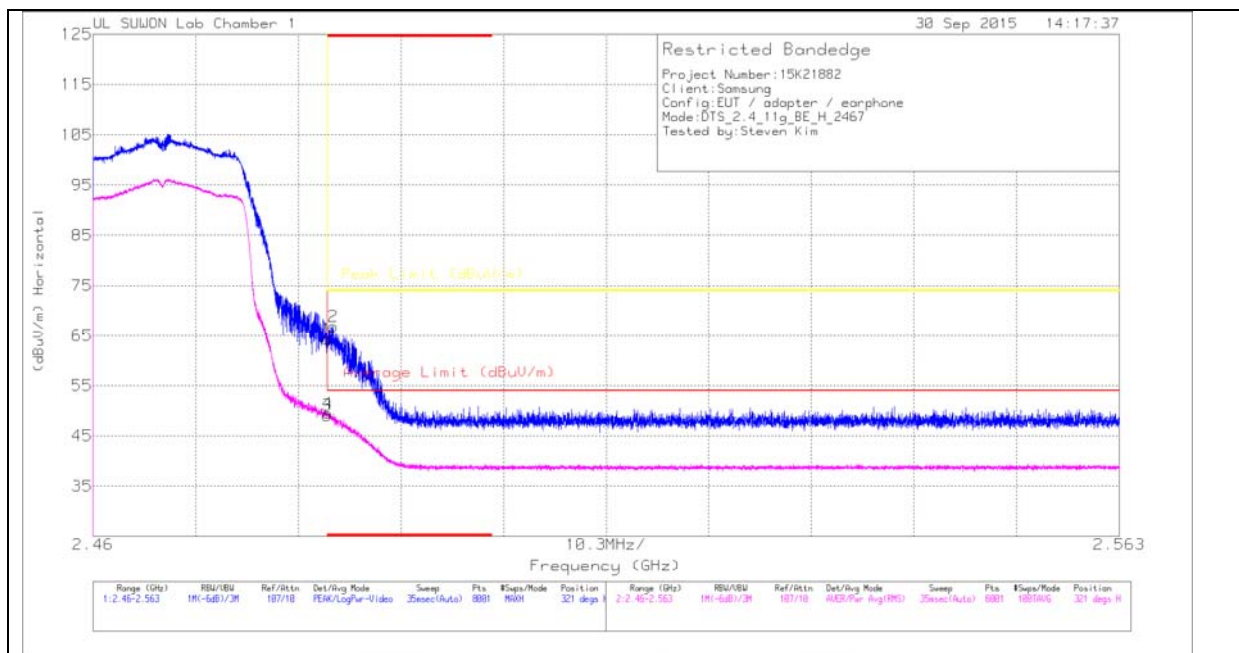
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (12 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

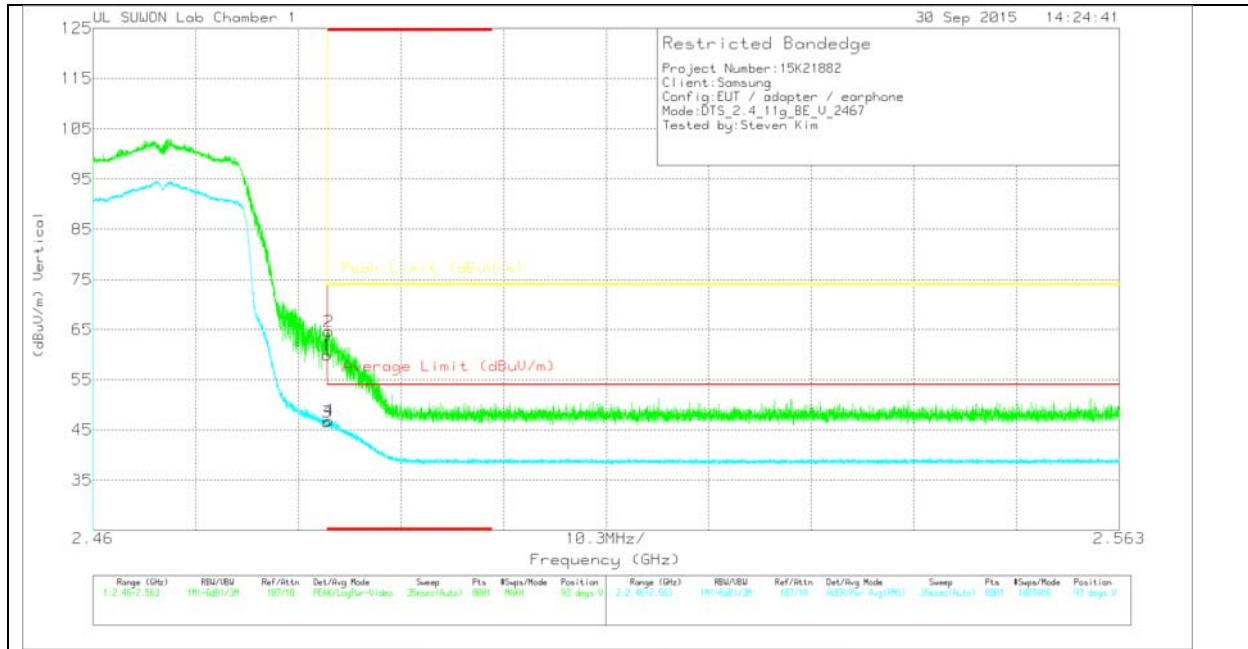
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.89	PK	32	-22.6	0	64.29	-	-	74	-9.71	321	272	H
2	* 2.484	57.48	PK	32	-22.6	0	66.88	-	-	74	-7.12	321	272	H
3	* 2.484	39.39	RMS	32	-22.6	.3	49.09	54	-4.91	-	-	321	272	H
4	* 2.484	39.78	RMS	32	-22.6	.3	49.48	54	-4.52	-	-	321	272	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 17)_150619	Path_2_10d B	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	50.43	PK	32	-22.6	0	59.83	-	-	74	-14.17	93	243	V
2	* 2.484	55.22	PK	32	-22.6	0	64.62	-	-	74	-9.38	93	243	V
3	* 2.484	36.89	RMS	32	-22.6	.3	46.59	54	-7.41	-	-	93	243	V
4	* 2.484	37.19	RMS	32	-22.6	.3	46.89	54	-7.11	-	-	93	243	V

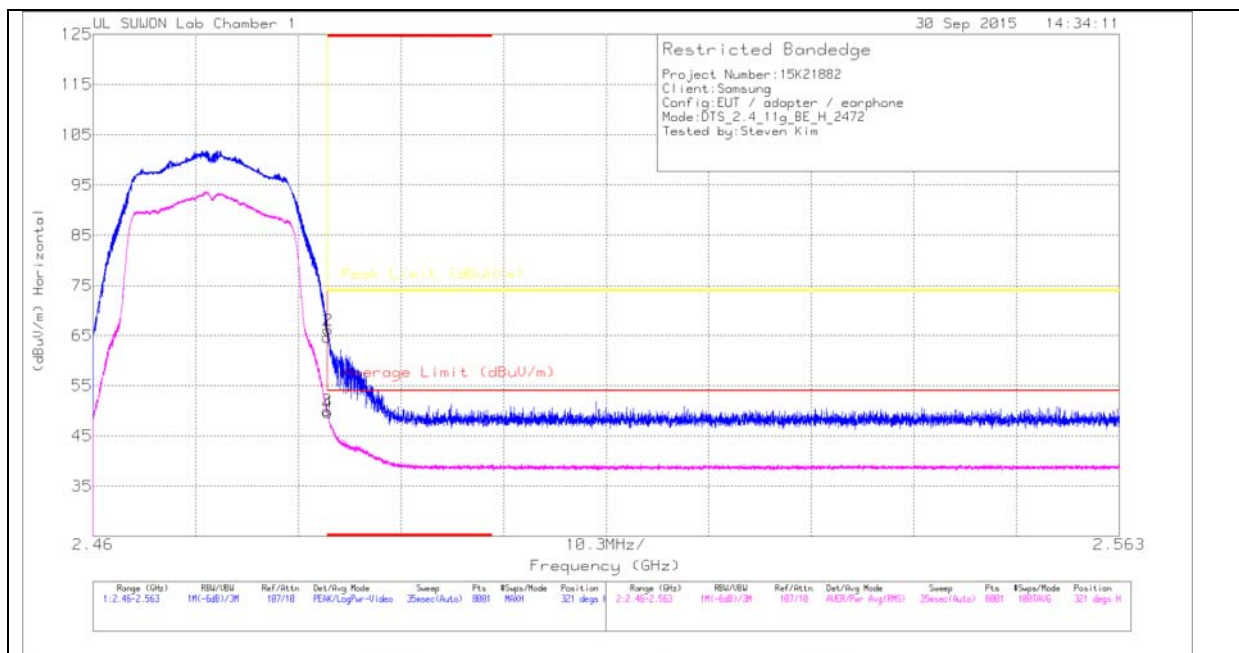
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (13 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

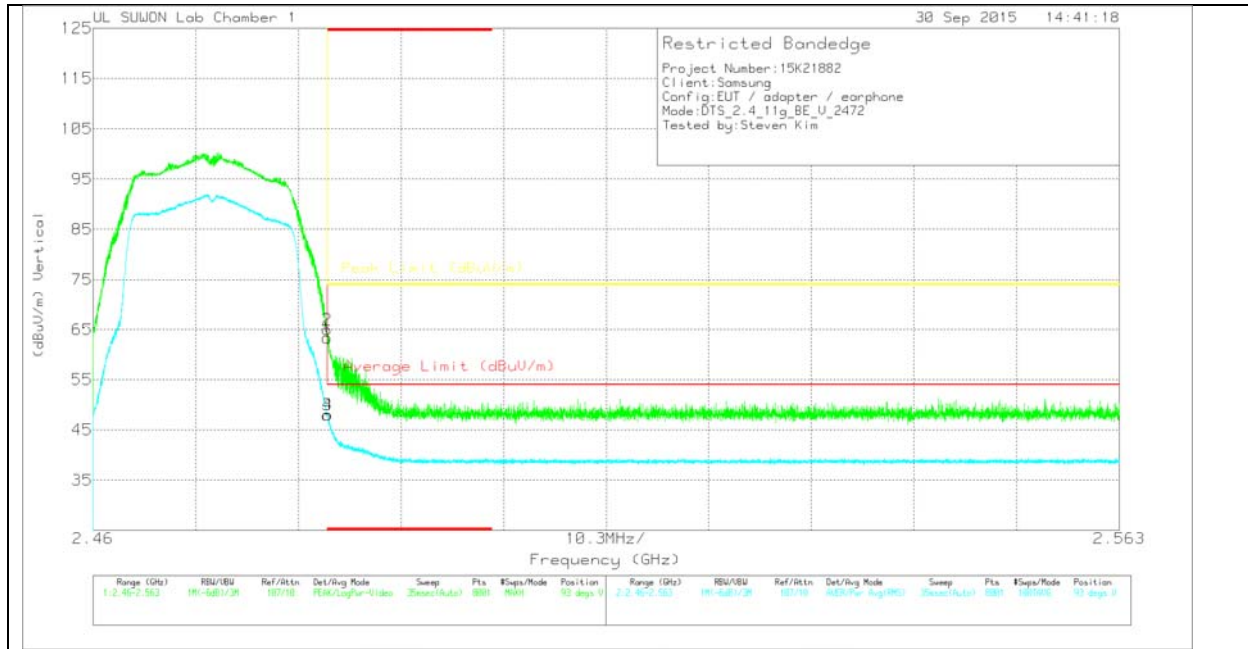
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.25	PK	32	-22.6	0	64.65	-	-	74	-9.35	321	272	H
2	* 2.484	56.76	PK	32	-22.6	0	66.16	-	-	74	-7.84	321	272	H
3	* 2.484	40.33	RMS	32	-22.6	.3	50.03	54	-3.97	-	-	321	272	H
4	* 2.484	39.94	RMS	32	-22.6	.3	49.64	54	-4.36	-	-	321	272	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 17)_150619	Path_2_10d B	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	53.94	PK	32	-22.6	0	63.34	-	-	74	-10.66	93	238	V
2	* 2.484	55.6	PK	32	-22.6	0	65	-	-	74	-9	93	238	V
3	* 2.484	38.28	RMS	32	-22.6	.3	47.98	54	-6.02	-	-	93	238	V
4	* 2.484	38.31	RMS	32	-22.6	.3	48.01	54	-5.99	-	-	93	238	V

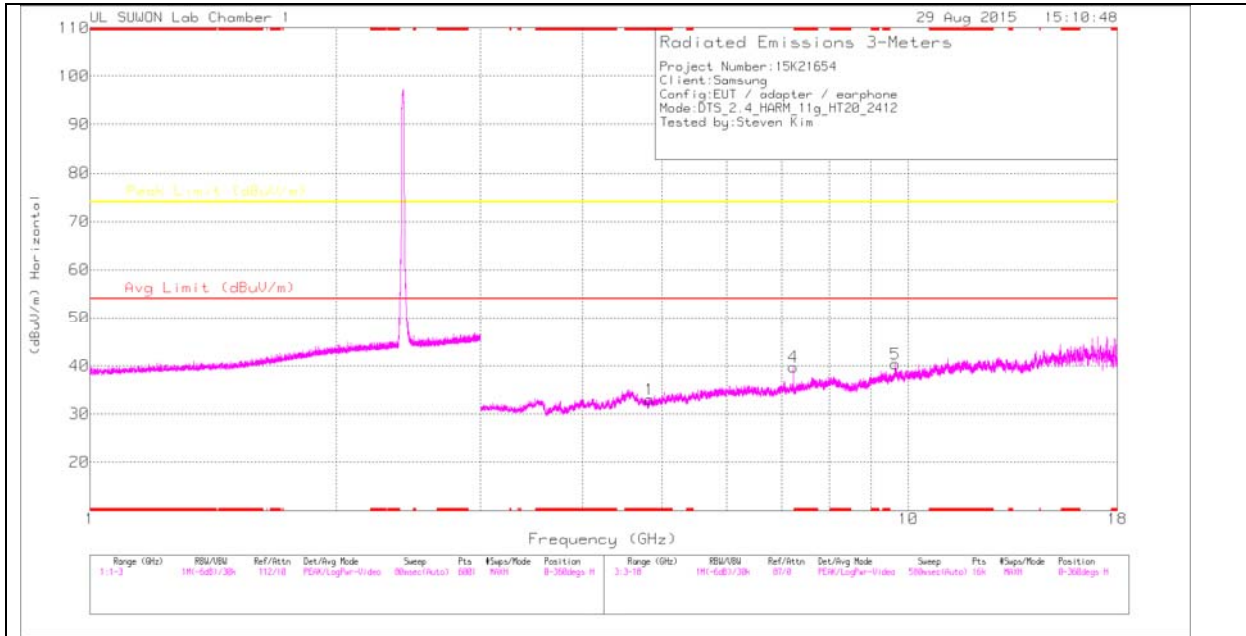
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

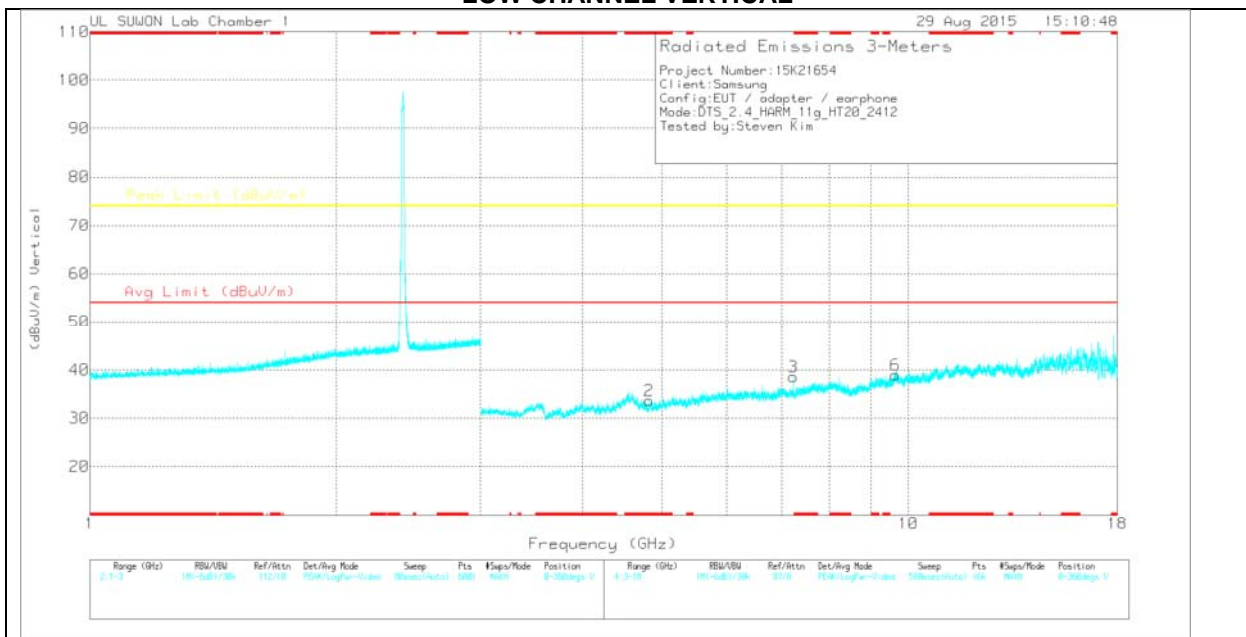
RMS - RMS detection

### 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 17)_150619	Path_3_3GHP	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	* 4.826	28.48	PK	34	-29.5	0	32.98	-	-	74	-41.02	0-360	200	H
4	7.235	29.59	PK	35.7	-25.5	0	39.79	-	-	74	-34.21	0-360	200	H
5	9.647	24.01	PK	37.1	-20.8	0	40.31	-	-	74	-33.69	0-360	200	H
2	* 4.823	29.32	PK	34	-29.6	0	33.72	-	-	74	-40.28	0-360	200	V
3	7.235	28.35	PK	35.7	-25.5	0	38.55	-	-	74	-35.45	0-360	100	V
6	9.647	22.73	PK	37.1	-20.8	0	39.03	-	-	74	-34.97	0-360	100	V

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

PK – Peak detector

Radiated Emissions

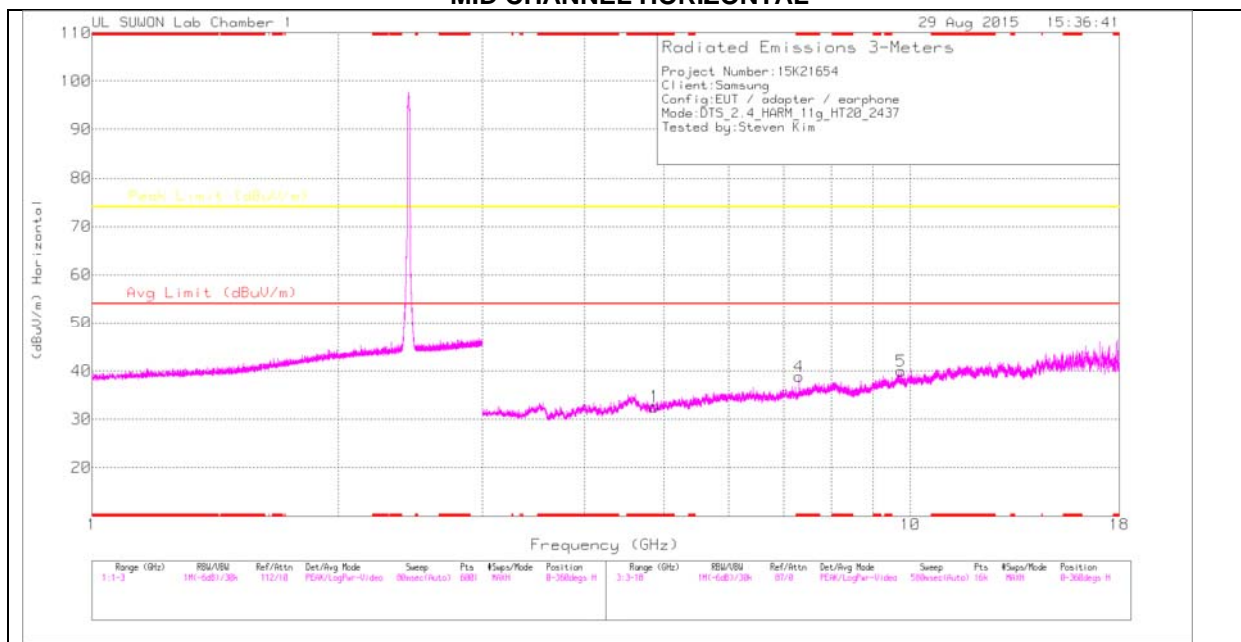
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3_3 GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.236	37.03	PK2	35.7	-25.5	0	47.23	-	-	74	-26.77	175	157	H
7.236	25.84	MAv1	35.7	-25.5	.3	36.34	-	-	-	-	175	157	H
7.236	38.29	PK2	35.7	-25.5	0	48.49	-	-	74	-25.51	63	201	V
7.236	28.75	MAv1	35.7	-25.5	.3	39.25	-	-	-	-	63	201	V

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

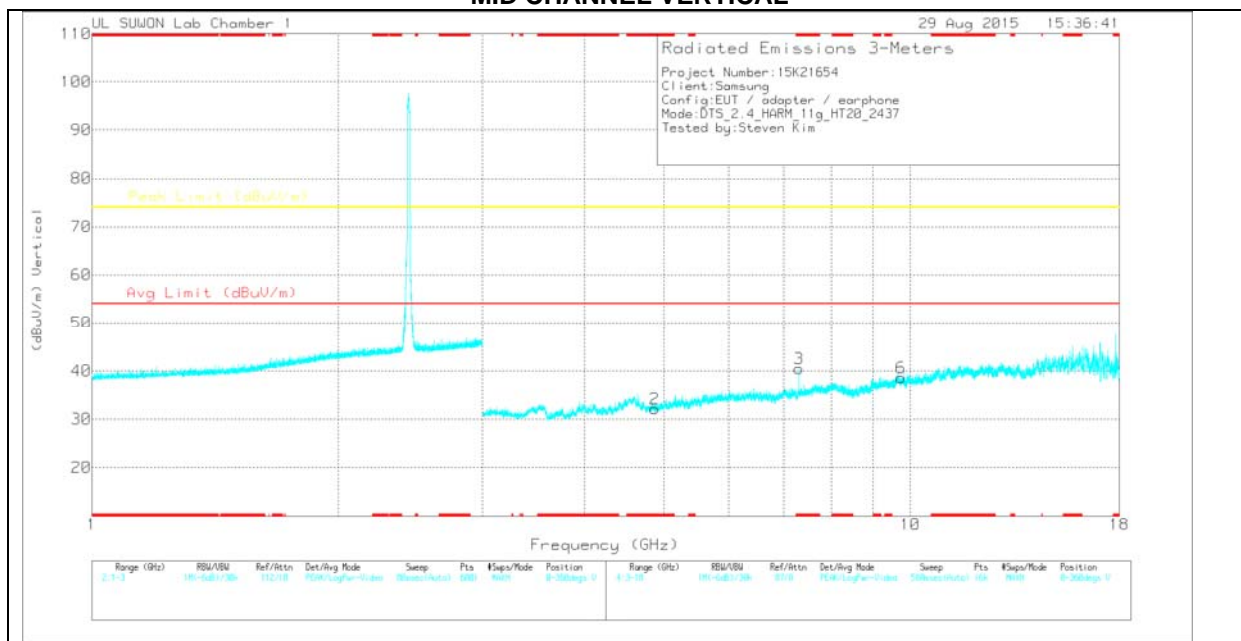
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**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(00168717)_150619	Path_3_3GHP	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	27.79	PK	34	-29.2	0	32.59	-	-	74	-41.41	0-360	200	H
4	* 7.311	28.85	PK	35.7	-25.7	0	38.85	-	-	74	-35.15	0-360	200	H
5	9.748	24.64	PK	37.2	-21.9	0	39.94	-	-	74	-34.06	0-360	200	H
2	* 4.871	27.39	PK	34	-29.2	0	32.19	-	-	74	-41.81	0-360	100	V
3	* 7.31	30.49	PK	35.7	-25.7	0	40.49	-	-	74	-33.51	0-360	200	V
6	9.748	23.31	PK	37.2	-21.9	0	38.61	-	-	74	-35.39	0-360	200	V

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

PK – Peak detector

Radiated Emissions

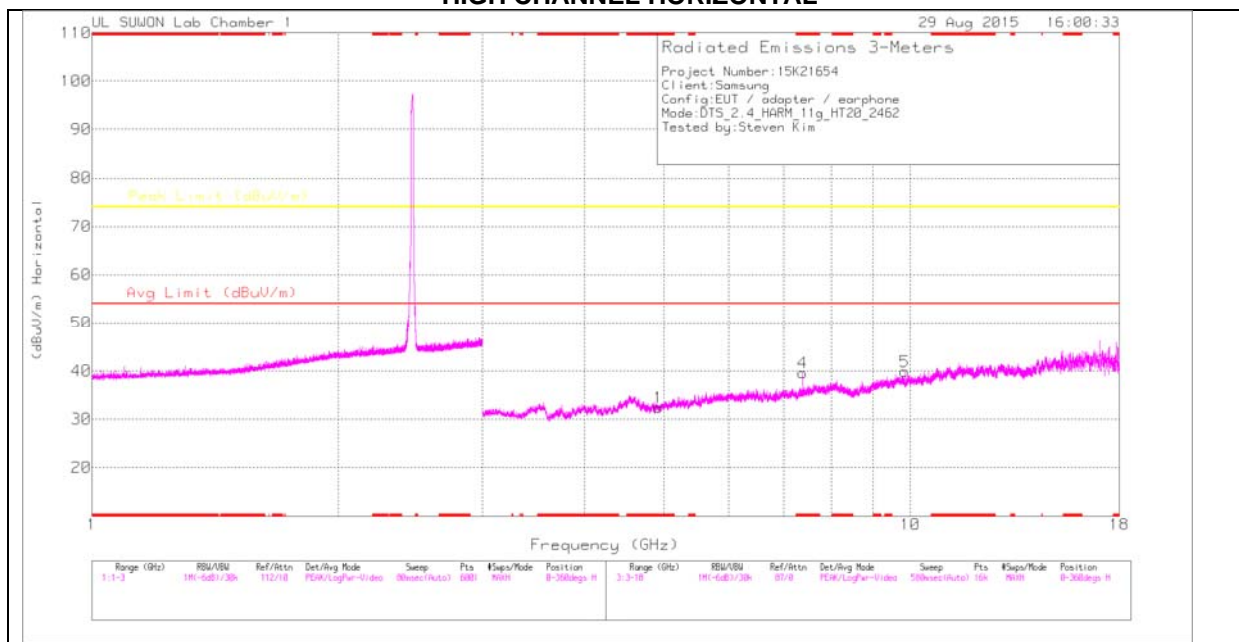
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168717)_150619	Path_3_3GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.305	37.11	PK2	35.7	-25.7	0	47.11	-	-	74	-26.89	209	190	H
* 7.311	25.01	MAv1	35.7	-25.7	.3	35.31	54	-18.69	-	-	209	190	H
* 7.311	37.01	PK2	35.7	-25.7	0	47.01	-	-	74	-26.99	187	112	V
* 7.311	24.73	MAv1	35.7	-25.7	.3	35.03	54	-18.97	-	-	187	112	V

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

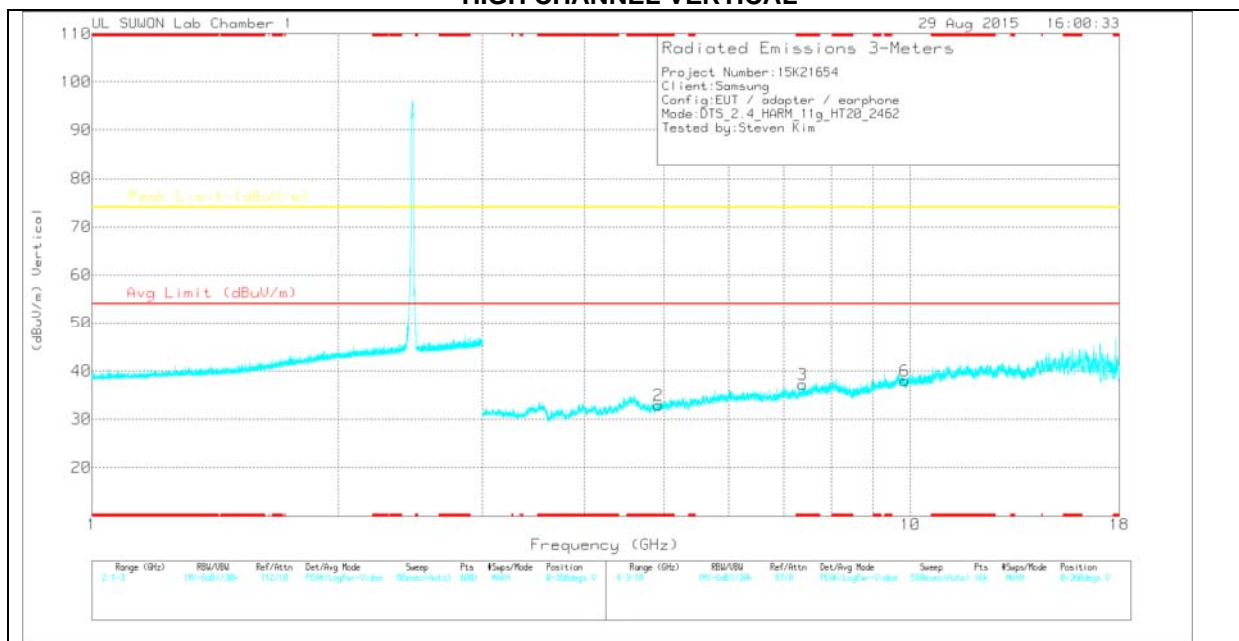
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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(00168717)_150619	Path_3_3GHP	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	27.34	PK	34	-29	0	32.34	-	-	74	-41.66	0-360	200	H
4	* 7.385	28.87	PK	35.8	-25.1	0	39.57	-	-	74	-34.43	0-360	200	H
5	9.848	24.11	PK	37.3	-21.6	0	39.81	-	-	74	-34.19	0-360	200	H
2	* 4.925	27.94	PK	34	-29	0	32.94	-	-	74	-41.06	0-360	200	V
3	* 7.385	26.55	PK	35.8	-25.1	0	37.25	-	-	74	-36.75	0-360	200	V
6	9.848	22.21	PK	37.3	-21.6	0	37.91	-	-	74	-36.09	0-360	200	V

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

PK – Peak detector

Radiated Emissions

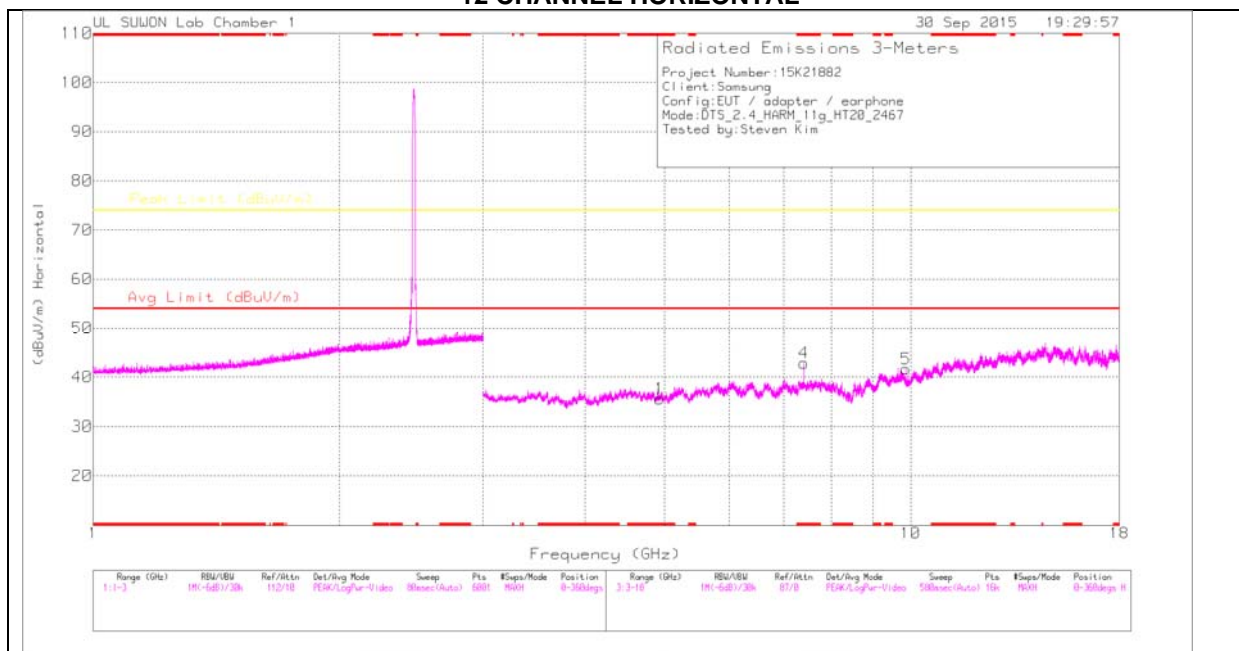
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168717)_150619	Path_3_3GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.376	36.2	PK2	35.8	-25.2	0	46.8	-	-	74	-27.2	166	213	H
* 7.386	22.74	MAv1	35.8	-25.1	.3	33.74	54	-20.26	-	-	166	213	H
* 7.386	36.48	PK2	35.8	-25.1	0	47.18	-	-	74	-26.82	72	296	V
* 7.386	24.88	MAv1	35.8	-25.1	.3	35.88	54	-18.12	-	-	72	296	V

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

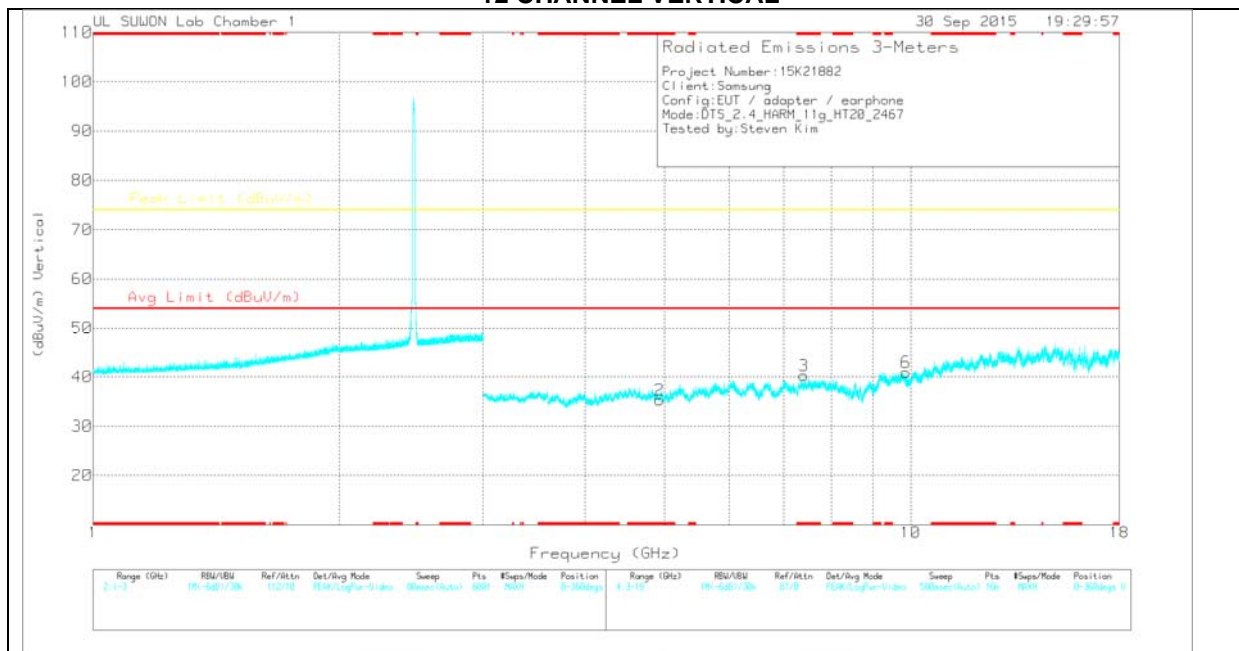
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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(00168724)_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	* 4.934	26.81	PK	33.9	-25.1	0	35.61	-	-	74	-38.39	0-360	100	H
4	* 7.401	28.95	PK	36	-22.1	0	42.85	-	-	74	-31.15	0-360	200	H
5	9.868	23.76	PK	37.1	-19.2	0	41.66	-	-	74	-32.34	0-360	200	H
2	* 4.934	26.49	PK	33.9	-25.1	0	35.29	-	-	74	-38.71	0-360	100	V
3	* 7.4	26.36	PK	36	-22.1	0	40.26	-	-	74	-33.74	0-360	100	V
6	9.868	23.03	PK	37.1	-19.2	0	40.93	-	-	74	-33.07	0-360	100	V

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

PK – Peak detector

Radiated Emissions

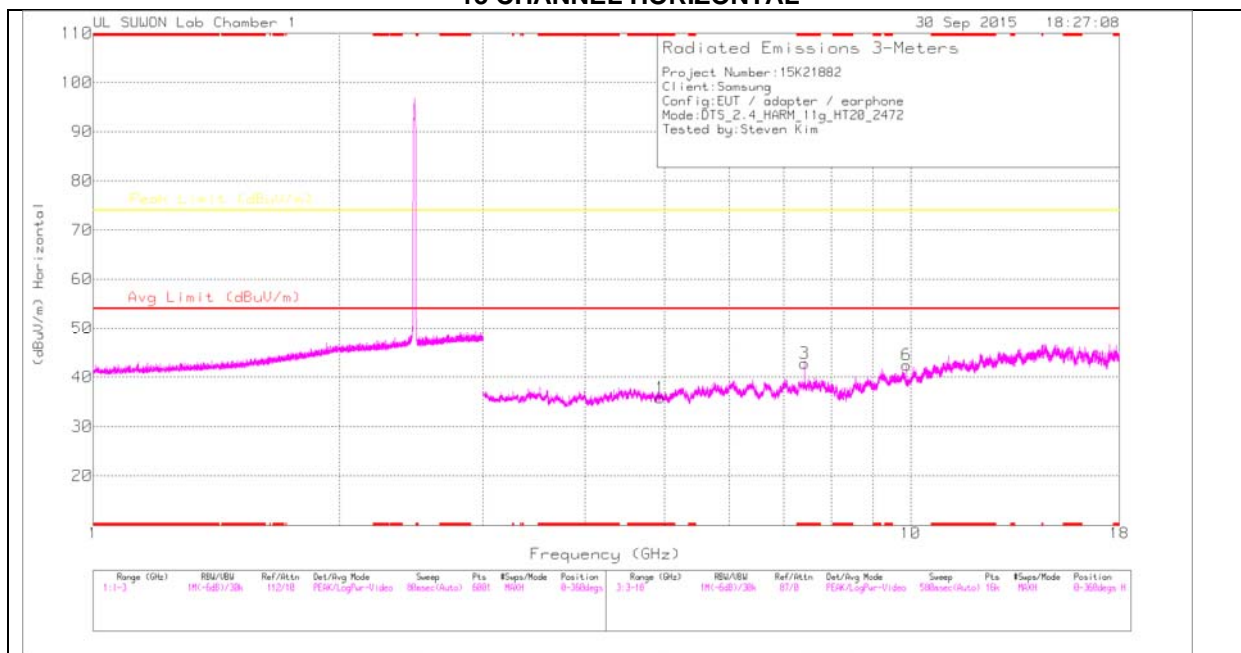
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168724)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.401	38.08	PK2	36	-22.1	0	51.98	-	-	74	-22.02	264	234	H
* 7.401	28.61	MAv1	36	-22.1	.3	42.81	54	-11.19	-	-	264	234	H
* 7.401	36.22	PK2	36	-22.1	0	50.12	-	-	74	-23.88	183	102	V
* 7.401	23.4	MAv1	36	-22.1	.3	37.6	54	-16.4	-	-	183	102	V

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

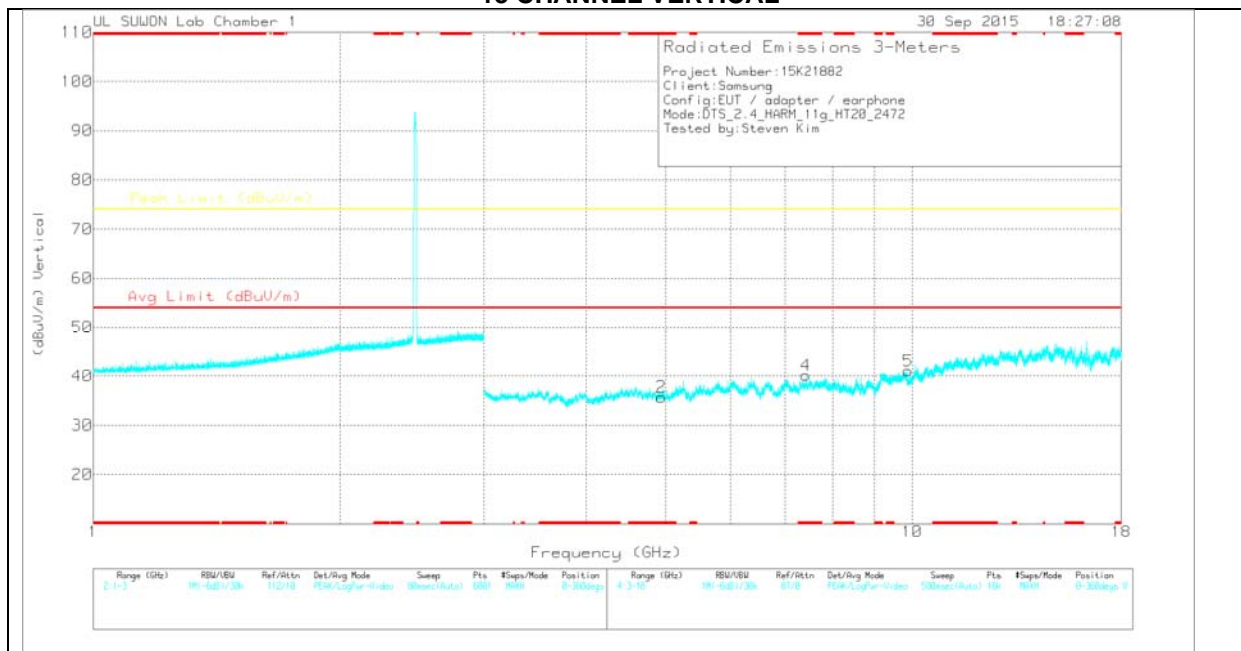
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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(00168724)_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	* 4.944	27.03	PK	33.9	-25.1	0	35.83	-	-	74	-38.17	0-360	100	H
3	* 7.416	28.93	PK	36	-22.1	0	42.83	-	-	74	-31.17	0-360	200	H
6	9.887	24.57	PK	37.1	-19.2	0	42.47	-	-	74	-31.53	0-360	200	H
2	* 4.942	26.92	PK	33.9	-25.1	0	35.72	-	-	74	-38.28	0-360	200	V
4	* 7.415	26.26	PK	36	-22.1	0	40.16	-	-	74	-33.84	0-360	200	V
5	9.888	23.11	PK	37.1	-19.2	0	41.01	-	-	74	-32.99	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(00168724)_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
* 7.416	37.78	PK2	36	-22.1	0	51.68	-	-	74	-22.32	261	236	H
* 7.416	28.05	MAv1	36	-22.1	.3	42.25	54	-11.75	-	-	261	236	H
9.888	24.6	Avg	37.1	-19.2	0	42.5	-	-	74	-31.5	250	161	H
* 7.416	37.1	PK2	36	-22.1	0	51	-	-	74	-23	246	305	V
9.888	33.96	PK2	37.1	-19.2	0	51.86	-	-	74	-22.14	62	304	V

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

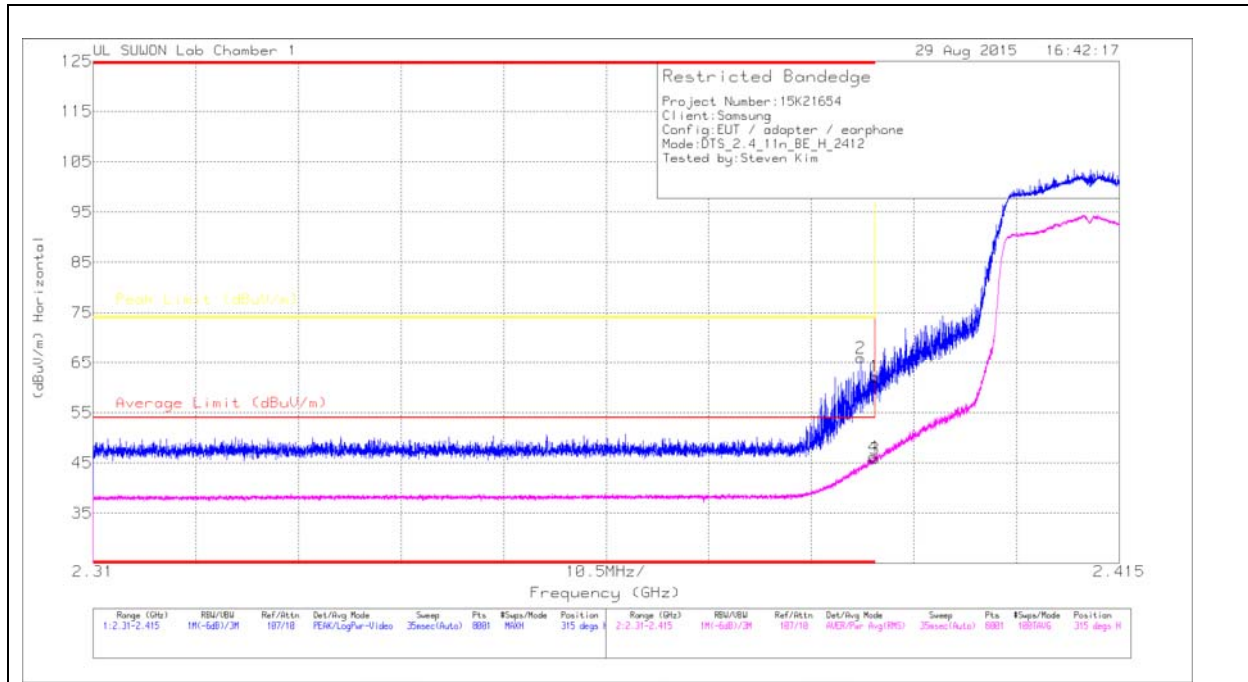
Avg - Video bandwidth < Resolution bandwidth

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 11.2.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

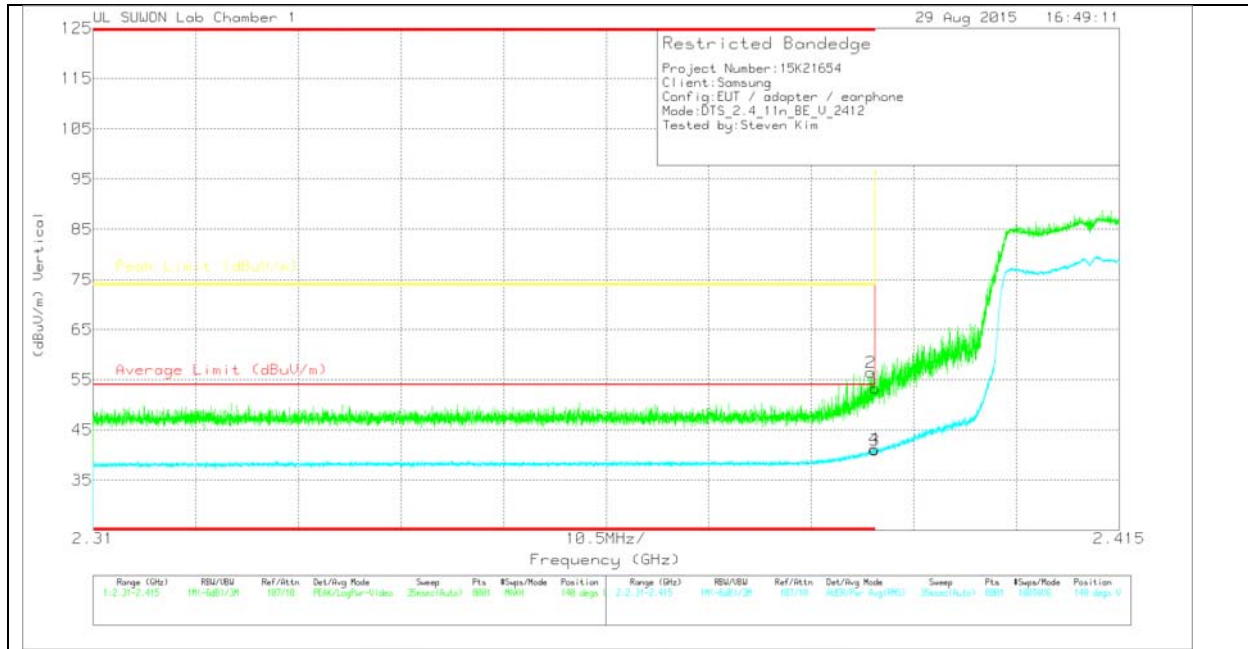
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.23	Pk		31.8	-22.8	0	62.23	-	74	-11.77	315	100	H
2	* 2.389	56.98	Pk		31.8	-22.8	0	65.98	-	74	-8.02	315	100	H
3	* 2.39	36.54	RMS		31.8	-22.8	.33	45.87	54	-8.13	-	315	100	H
4	* 2.39	36.87	RMS		31.8	-22.8	.33	46.2	54	-7.8	-	315	100	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	3117/00168 717_15061 9	Path_2_10d B	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	44.28	PK			0	53.28	-	-	74	-20.72	140	327	V
2	* 2.39	47.46	PK			0	56.46	-	-	74	-17.54	140	327	V
3	* 2.39	31.64	RMS			.33	40.97	54	-13.03	-	-	140	327	V
4	* 2.39	31.85	RMS			.33	41.18	54	-12.82	-	-	140	327	V

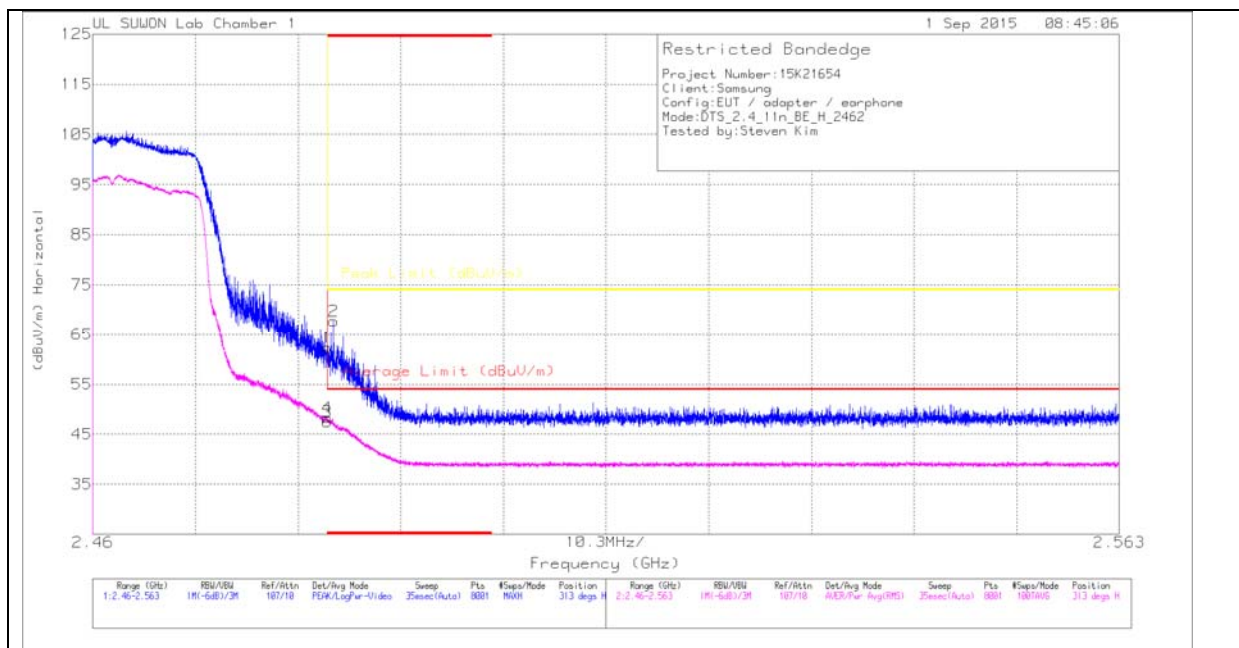
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

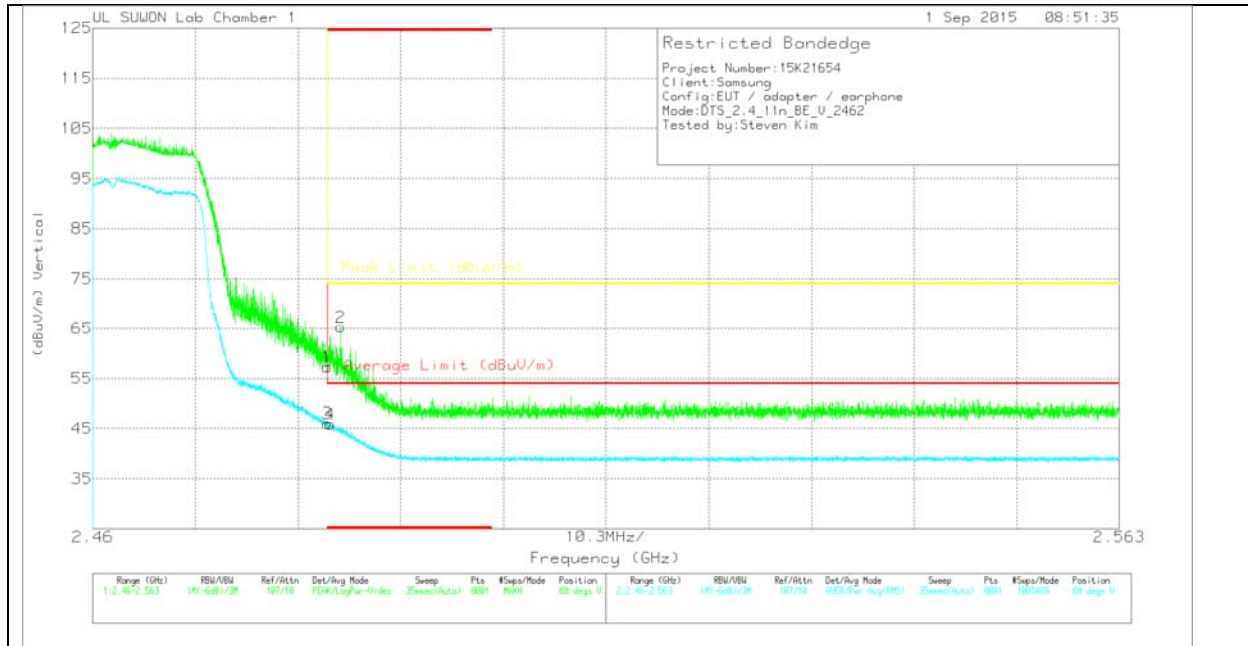
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.97	Pk	32	-22.6	0	62.37	-	-	74	-11.63	313	100	H
2	* 2.484	58.39	PK	32	-22.6	0	67.79	-	-	74	-6.21	313	100	H
3	* 2.484	37.78	RMS	32	-22.6	.33	47.51	54	-6.49	-	-	313	100	H
4	* 2.484	38.58	RMS	32	-22.6	.33	48.31	54	-5.69	-	-	313	100	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 17)_150619	Path_2_10d B	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	47.83	PK	32	-22.6	0	57.23	-	-	74	-16.77	88	242	V
2	* 2.485	55.93	PK	32	-22.6	0	65.33	-	-	74	-8.67	88	242	V
3	* 2.484	36.31	RMS	32	-22.6	.33	46.04	54	-7.96	-	-	88	242	V
4	* 2.484	36.14	RMS	32	-22.6	.33	45.87	54	-8.13	-	-	88	242	V

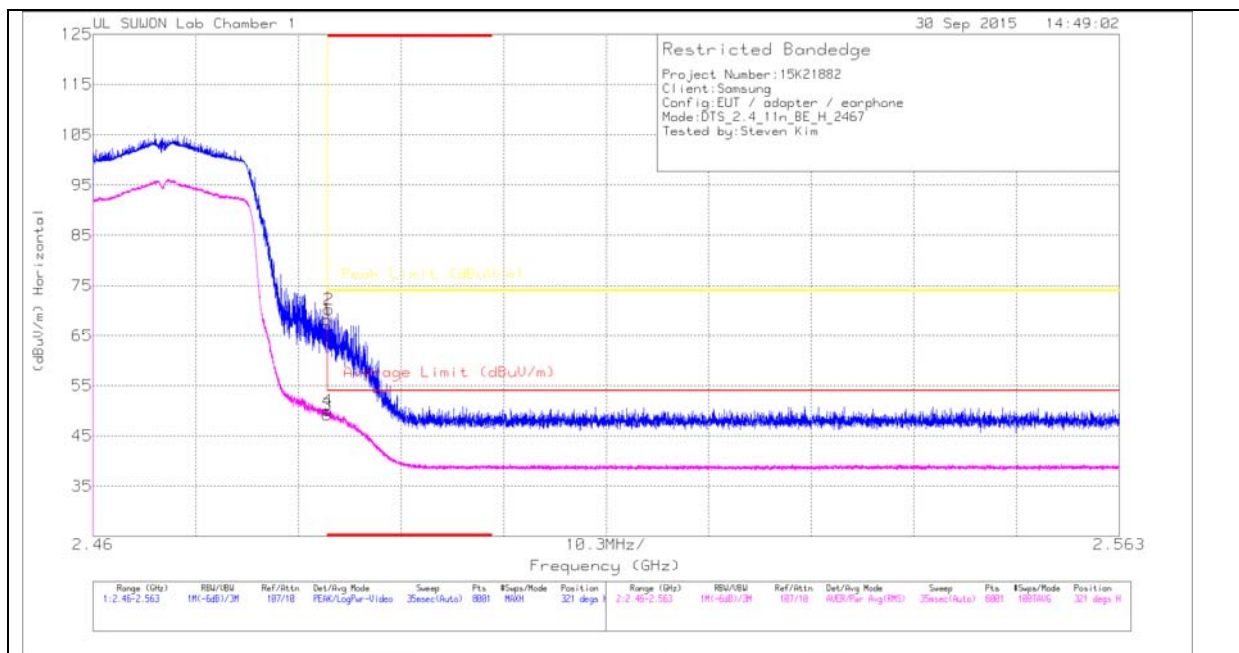
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (12 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

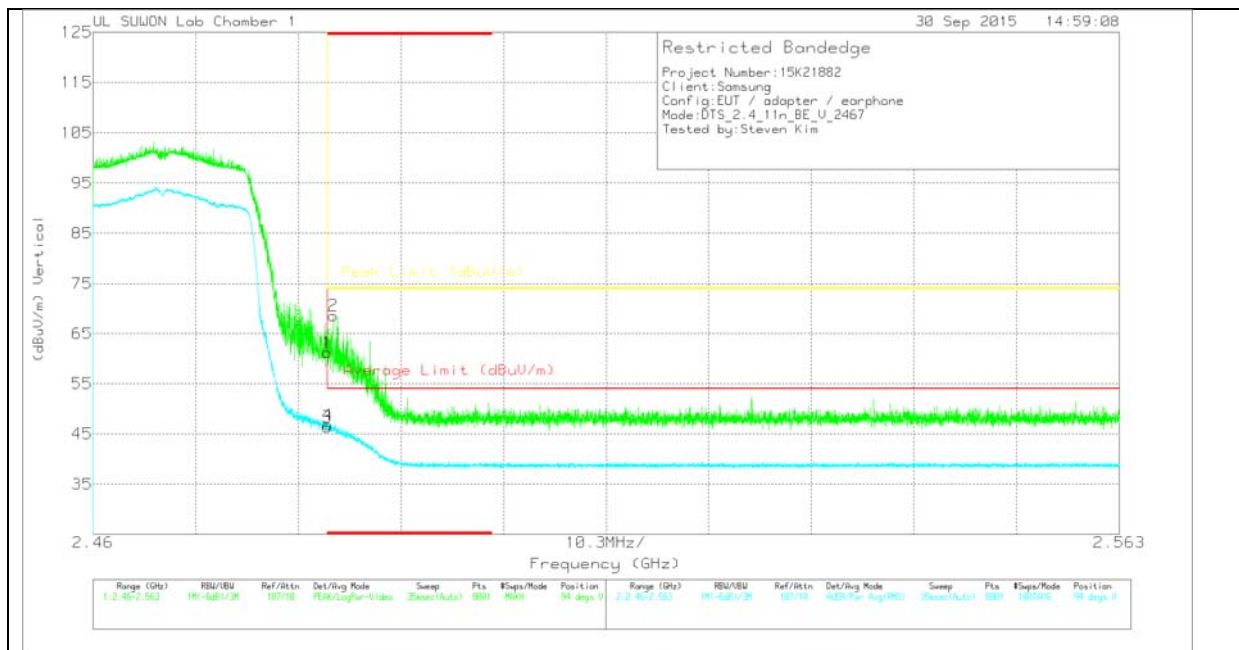
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17_150619)	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.88	PK	32	-22.6	0	68.28	-	-	74	-5.72	321	271	H
2	* 2.484	60.88	PK	32	-22.6	0	70.28	-	-	74	-3.72	321	271	H
3	* 2.484	39.43	RMS	32	-22.6	.33	49.16	54	-4.84	-	-	321	271	H
4	* 2.484	40.3	RMS	32	-22.6	.33	50.03	54	-3.97	-	-	321	271	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 17)_150619	Path_2_10d B	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	51.76	PK	32	-22.6	0	61.16	-	-	74	-12.84	94	238	V
2	* 2.484	59.27	PK	32	-22.6	0	68.67	-	-	74	-5.33	94	238	V
3	* 2.484	36.66	RMS	32	-22.6	.33	46.39	54	-7.61	-	-	94	238	V
4	* 2.484	37.09	RMS	32	-22.6	.33	46.82	54	-7.18	-	-	94	238	V

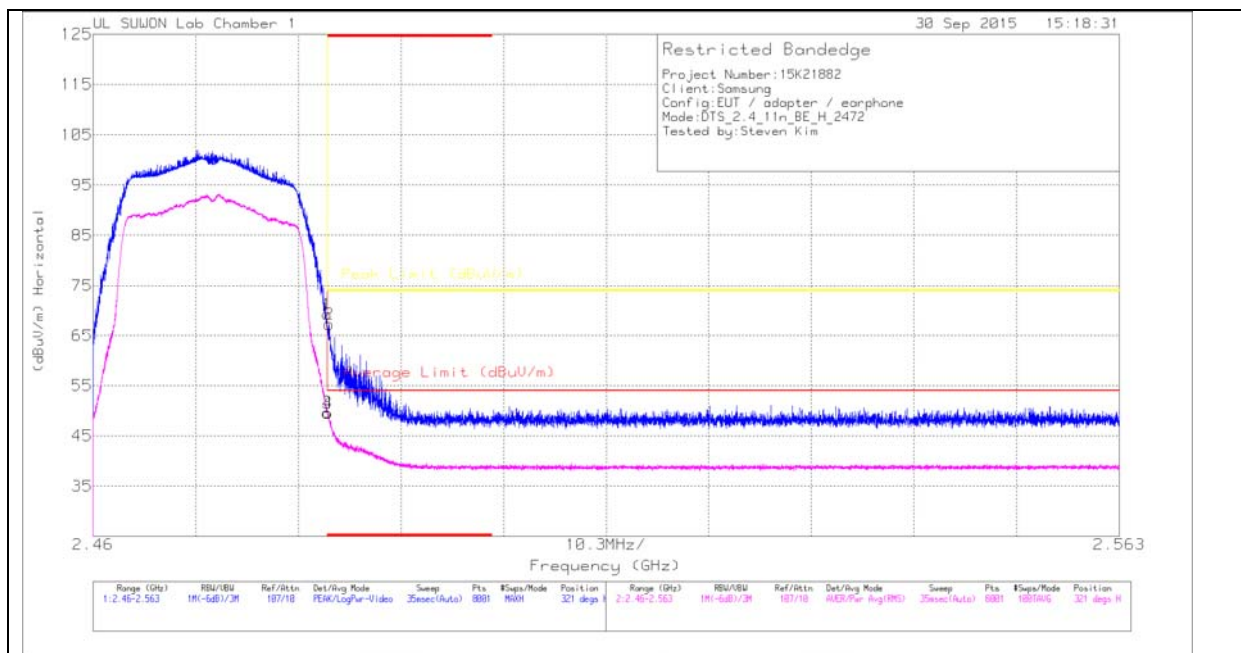
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (13 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

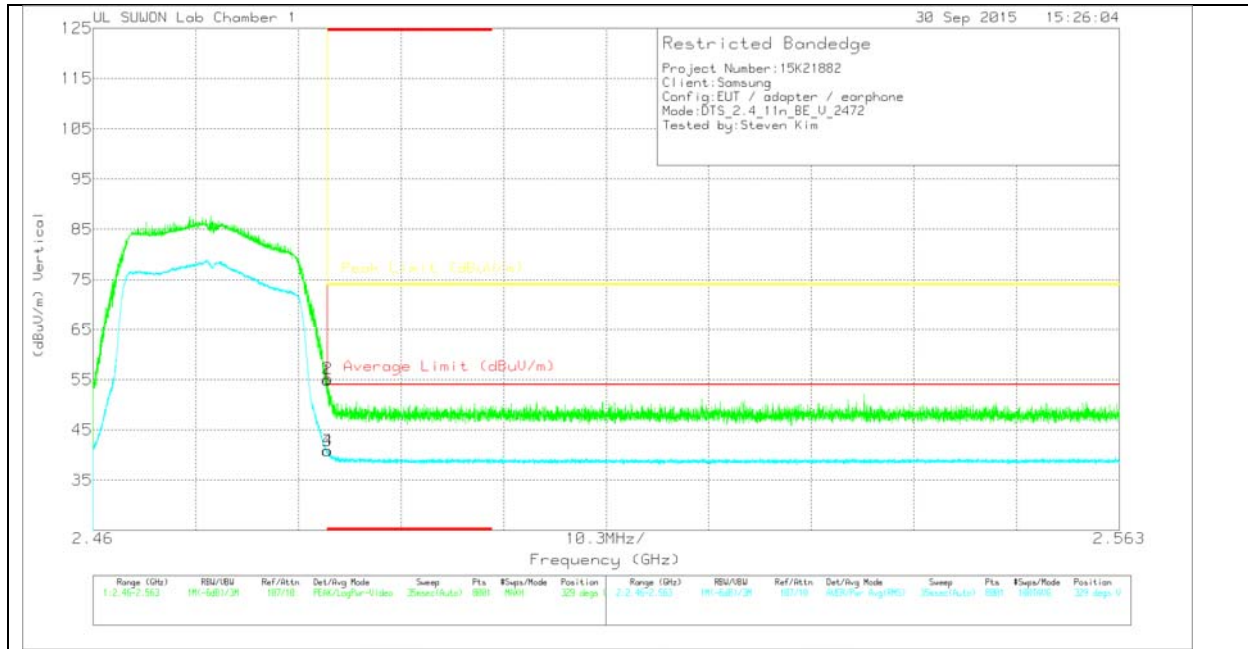
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	59.94	PK	32	-22.6	0	69.34	-	-	74	-4.66	321	271	H
2	* 2.484	57.95	PK	32	-22.6	0	67.35	-	-	74	-6.65	321	271	H
3	* 2.484	39.92	RMS	32	-22.6	.33	49.65	54	-4.35	-	-	321	271	H
4	* 2.484	39.8	RMS	32	-22.6	.33	49.53	54	-4.47	-	-	321	271	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	3117/00168 717/15061 9	Path_2_10d B	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	45.45	PK	32	-22.6	0	54.85	-	-	74	-19.15	329	102	V
2	* 2.484	45.79	PK	32	-22.6	0	55.19	-	-	74	-18.81	329	102	V
3	* 2.484	31.15	RMS	32	-22.6	.33	40.88	54	-13.12	-	-	329	102	V
4	* 2.484	31.2	RMS	32	-22.6	.33	40.93	54	-13.07	-	-	329	102	V

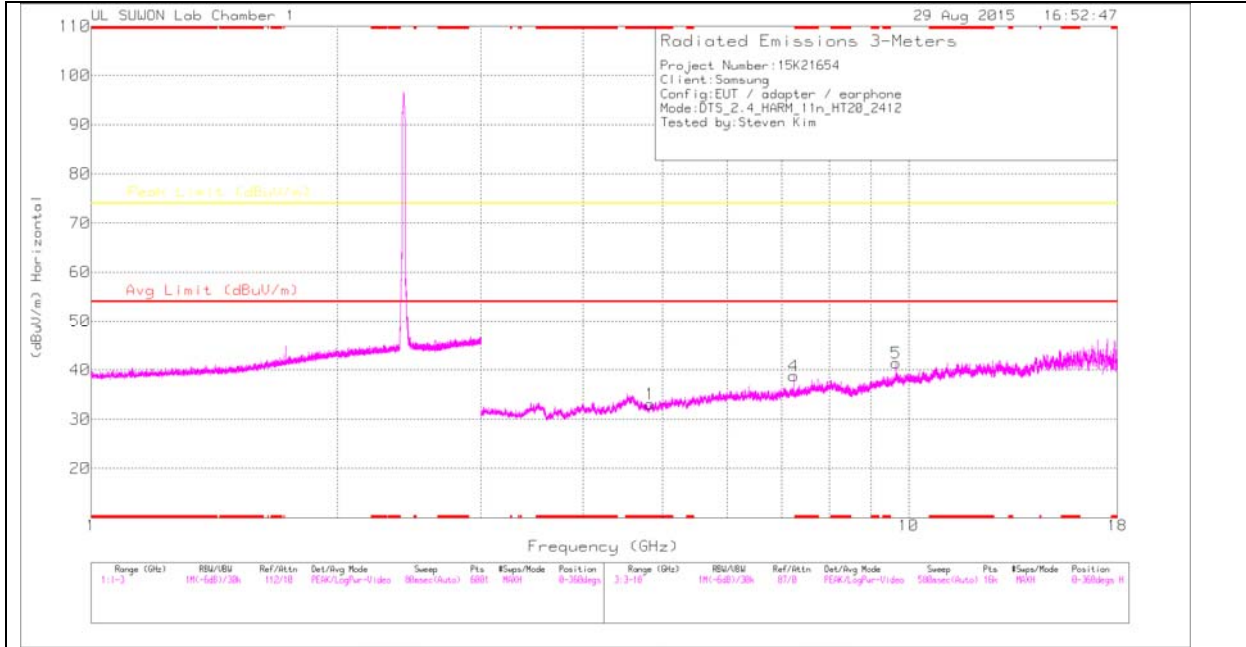
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

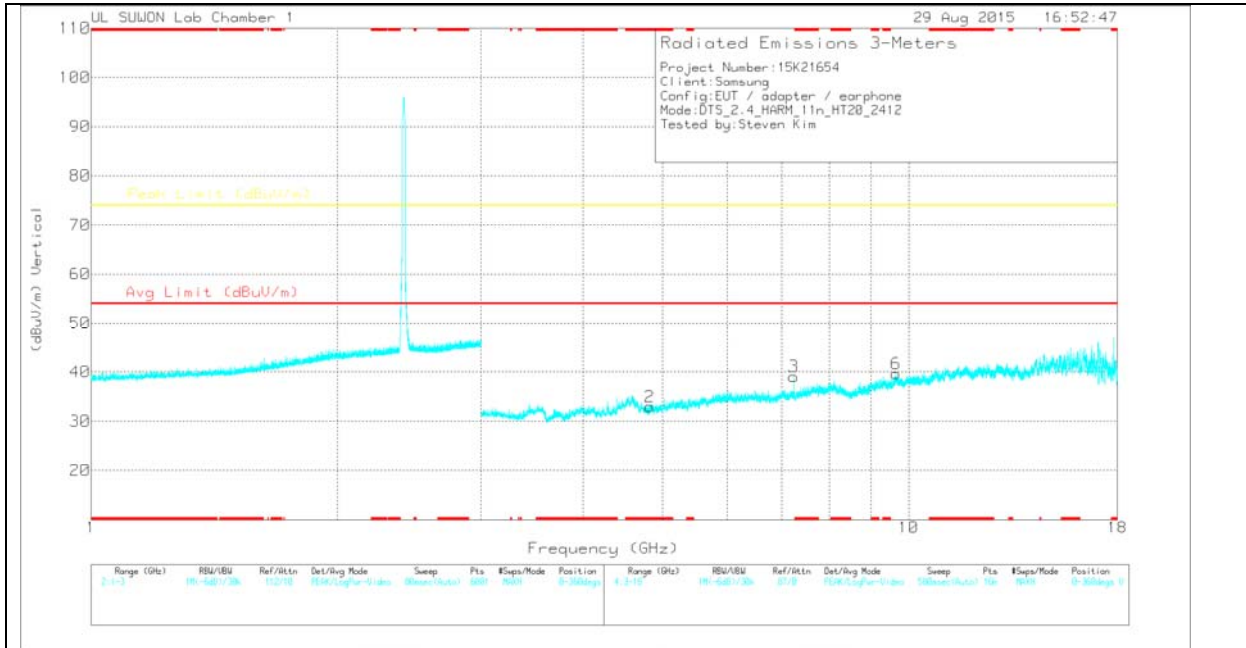
RMS - RMS detection

### 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 17)_150619	Path_3_3GHP	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	* 4.829	28.58	PK	34	-29.5	0	33.08	-	-	74	-40.92	0-360	100	H
4	7.235	28.61	PK	35.7	-25.5	0	38.81	-	-	74	-35.19	0-360	200	H
5	9.648	25.08	PK	37.1	-20.8	0	41.38	-	-	74	-32.62	0-360	200	H
2	* 4.826	28.43	PK	34	-29.5	0	32.93	-	-	74	-41.07	0-360	100	V
3	7.235	28.89	PK	35.7	-25.5	0	39.09	-	-	74	-34.91	0-360	200	V
6	9.647	23.34	PK	37.1	-20.8	0	39.64	-	-	74	-34.36	0-360	200	V

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

PK – Peak detector

Radiated Emissions

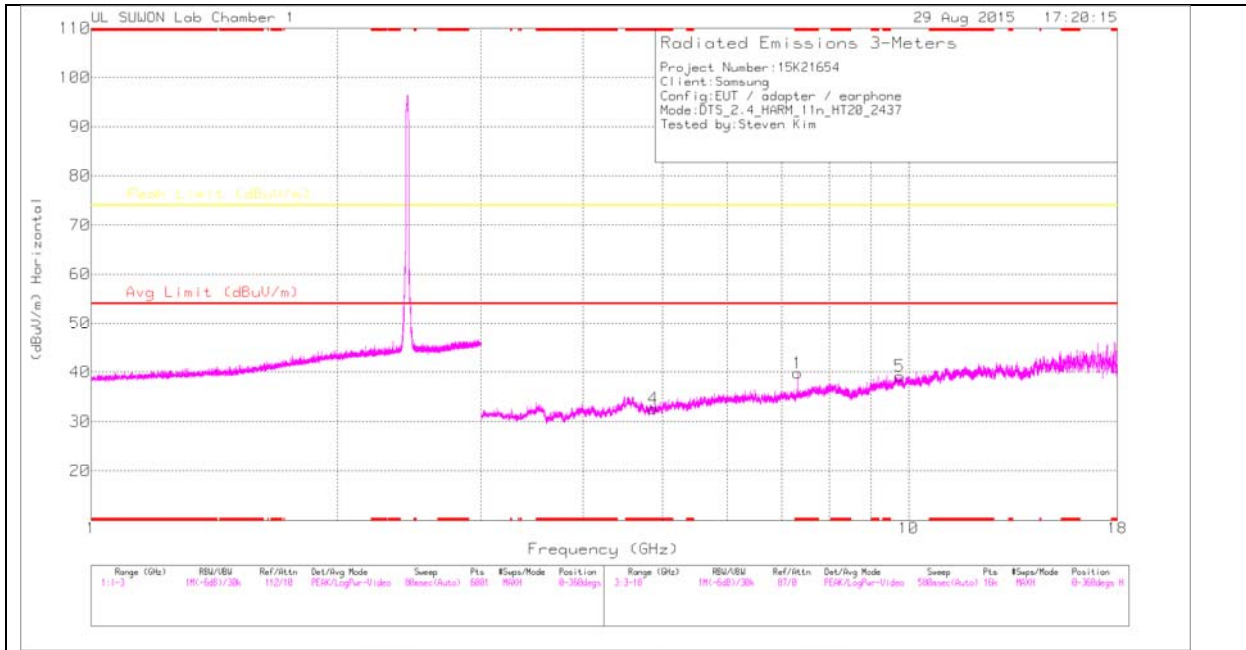
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3_3 GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.235	36.19	PK2	35.7	-25.5	0	46.39	-	-	74	-27.61	122	328	H
7.236	24.49	MAv1	35.7	-25.5	.33	35.02	-	-	-	-	122	328	H
7.236	38.67	PK2	35.7	-25.5	0	48.87	-	-	74	-25.13	53	209	V
7.236	25.96	MAv1	35.7	-25.5	.33	36.49	-	-	-	-	53	209	V
9.648	33.69	PK2	37.1	-20.8	0	49.99	-	-	74	-24.01	23	206	V
9.648	22.6	MAv1	37.1	-20.8	.33	39.23	-	-	-	-	23	206	V

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

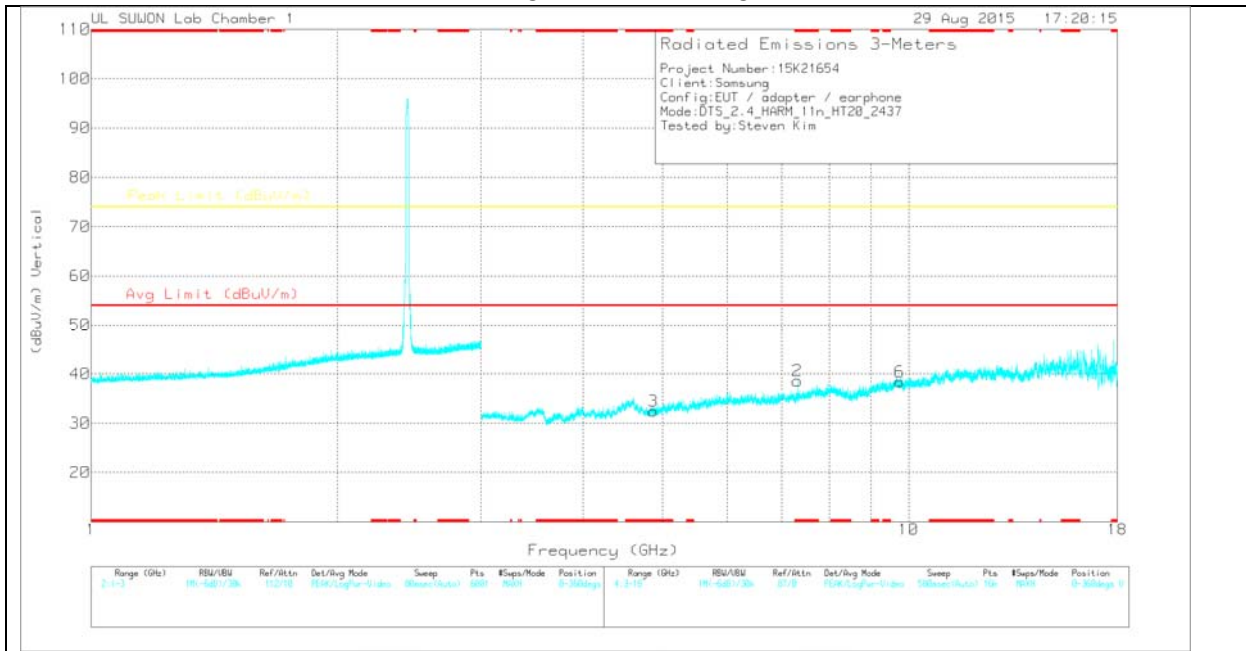
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**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(00168717)_150619	Path_3_3GHP	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	* 7.311	29.77	PK	35.7	-25.7	0	39.77	-	-	74	-34.23	0-360	200	H
4	* 4.875	27.81	PK	34	-29.2	0	32.61	-	-	74	-41.39	0-360	100	H
5	9.748	23.89	PK	37.2	-21.9	0	39.19	-	-	74	-34.81	0-360	200	H
2	* 7.31	28.62	PK	35.7	-25.7	0	38.62	-	-	74	-35.38	0-360	200	V
3	* 4.876	27.64	PK	34	-29.2	0	32.44	-	-	74	-41.56	0-360	200	V
6	9.748	23.12	PK	37.2	-21.9	0	38.42	-	-	74	-35.58	0-360	200	V

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

PK – Peak detector

Radiated Emissions

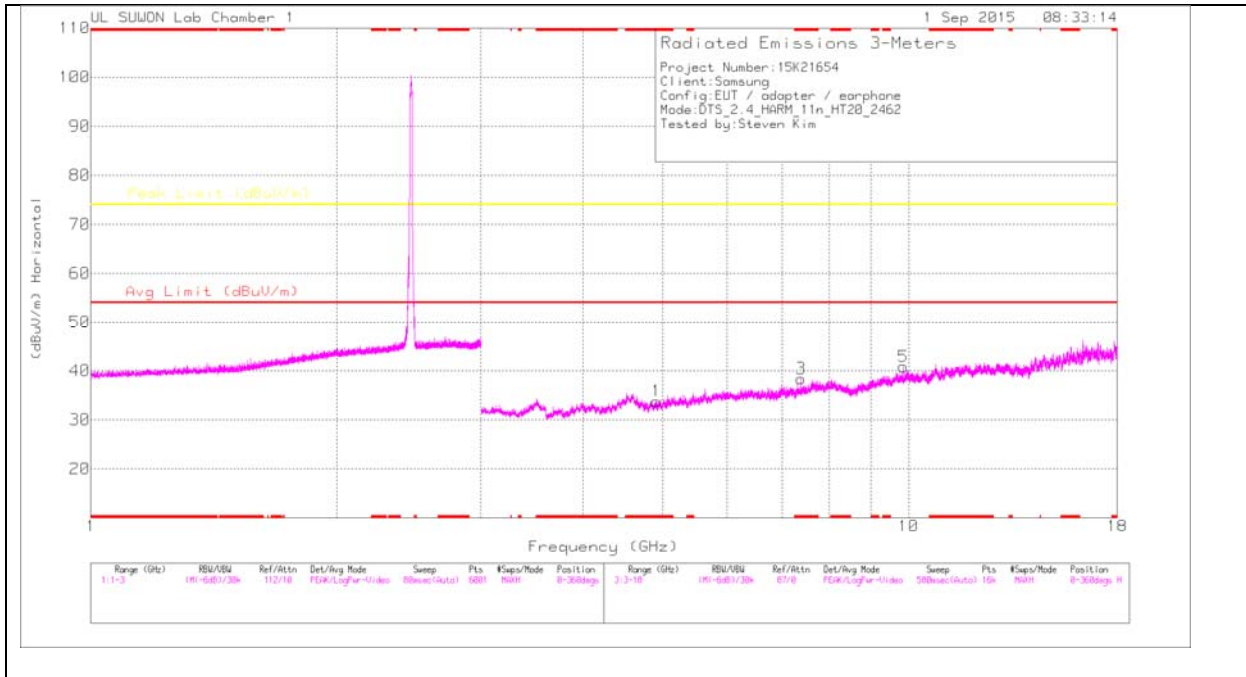
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168717)_150619	Path_3_3GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.314	37	PK2	35.8	-25.7	0	47.1	-	-	74	-26.9	205	193	H
* 7.311	24.8	MAv1	35.7	-25.7	.33	35.13	54	-18.87	-	-	205	193	H
* 7.311	37.93	PK2	35.7	-25.7	0	47.93	-	-	74	-26.07	184	112	V
* 7.311	25.42	MAv1	35.7	-25.7	.33	35.75	54	-18.25	-	-	184	112	V

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

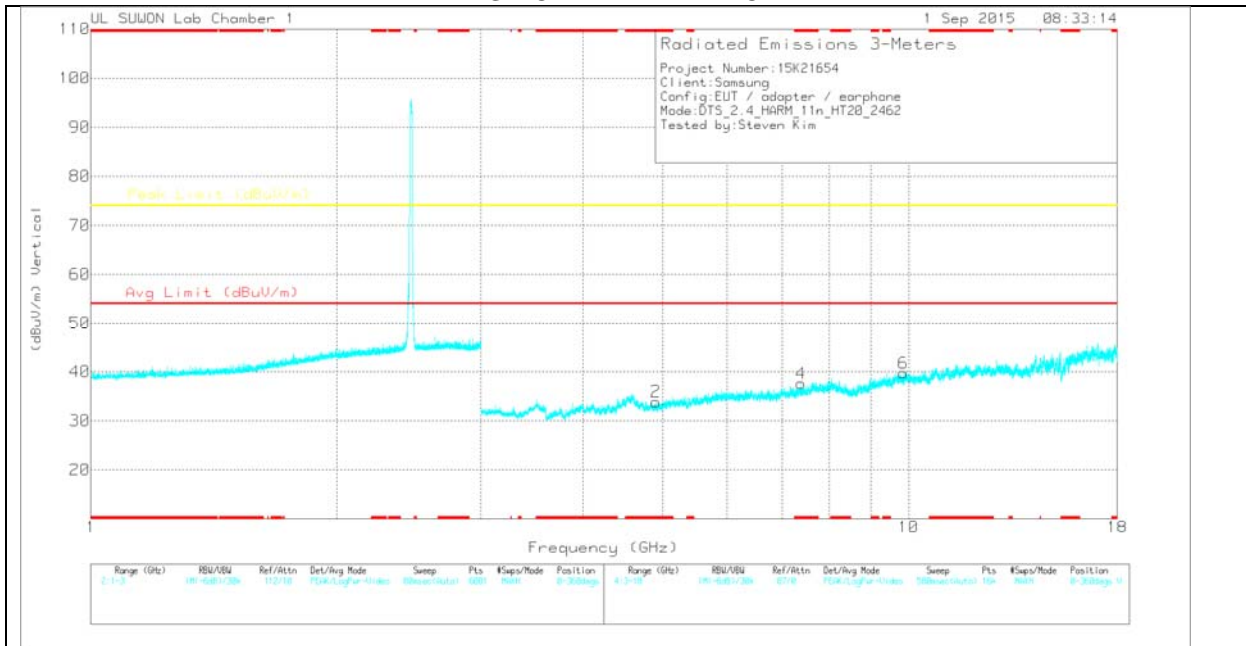
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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

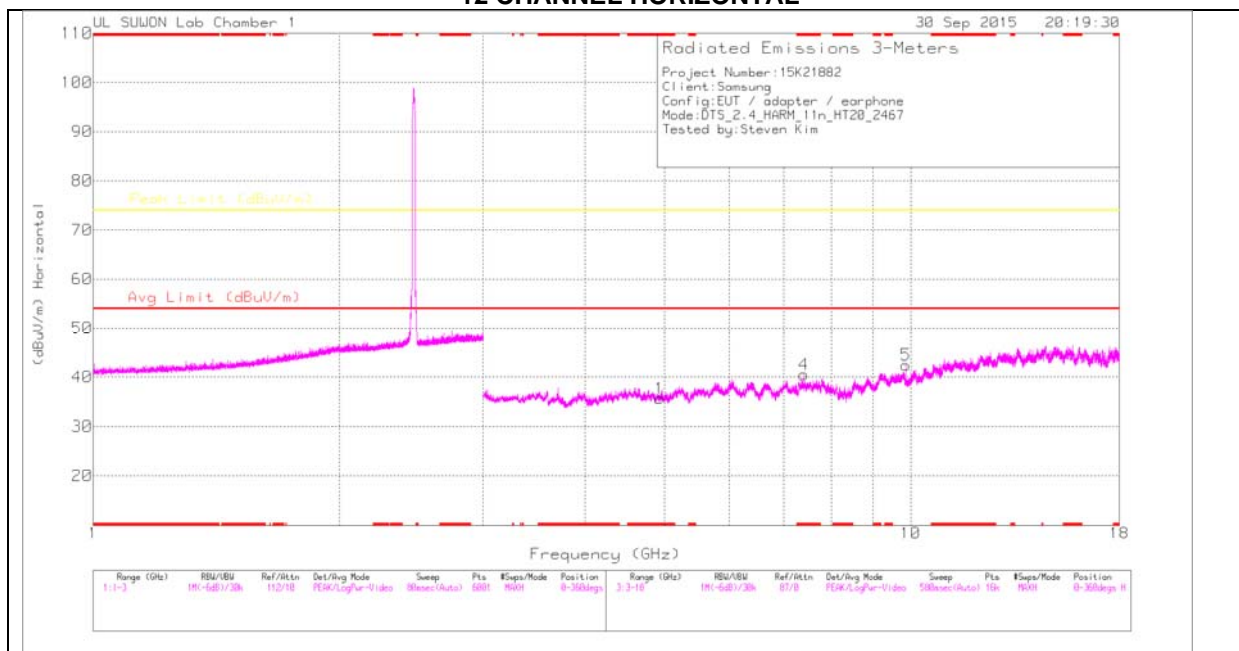
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_3_3GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.915	28.91	PK	34	-29.1	0	33.81	-	-	74	-40.19	0-360	100	H
3	* 7.385	27.72	PK	35.8	-25.1	0	38.42	-	-	74	-35.58	0-360	200	H
5	9.848	25.13	PK	37.3	-21.6	0	40.83	-	-	74	-33.17	0-360	200	H
2	* 4.91	29.03	PK	34	-29.1	0	33.93	-	-	74	-40.07	0-360	200	V
4	* 7.386	26.93	PK	35.8	-25.1	0	37.63	-	-	74	-36.37	0-360	200	V
6	9.848	24.02	PK	37.3	-21.6	0	39.72	-	-	74	-34.28	0-360	100	V

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

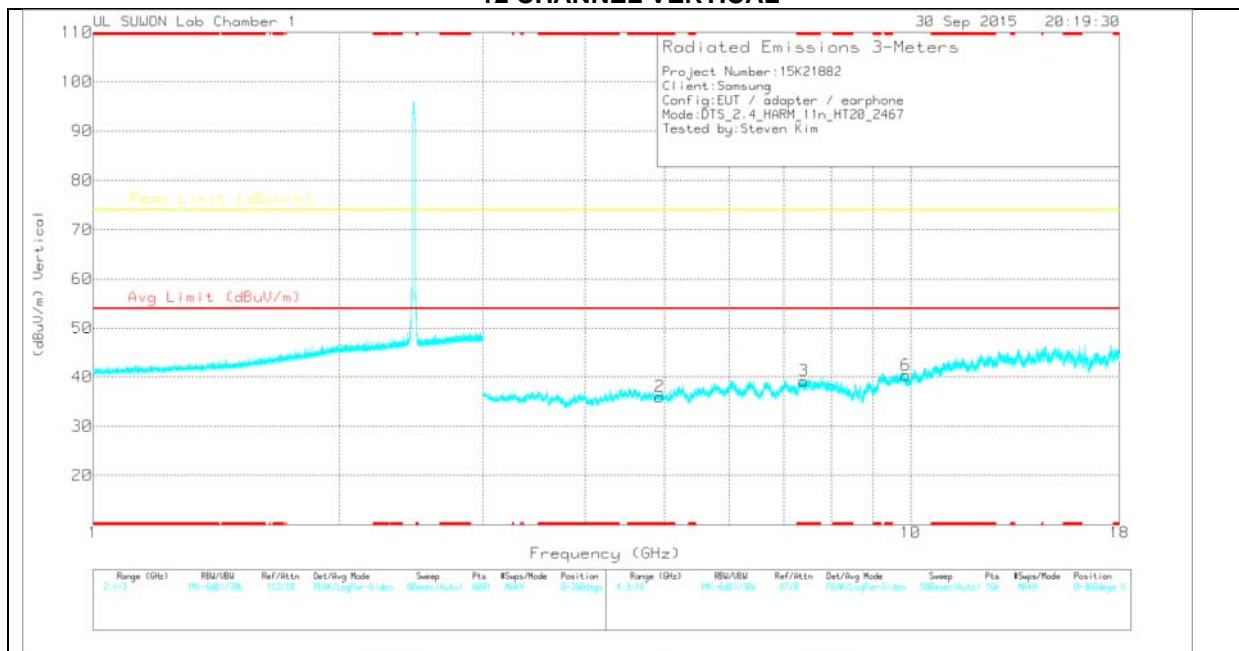
PK – Peak Detector

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(00168724)_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	* 4.934	26.86	PK	33.9	-25.1	0	35.66	-	-	74	-38.34	0-360	100	H
4	* 7.401	26.61	PK	36	-22.1	0	40.51	-	-	74	-33.49	0-360	200	H
5	9.868	24.56	PK	37.1	-19.2	0	42.46	-	-	74	-31.54	0-360	200	H
2	* 4.931	27.2	PK	33.9	-25.1	0	36	-	-	74	-38	0-360	100	V
3	* 7.401	25.33	PK	36	-22.1	0	39.23	-	-	74	-34.77	0-360	200	V
6	9.868	22.47	PK	37.1	-19.2	0	40.37	-	-	74	-33.63	0-360	100	V

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

PK – Peak detector

Radiated Emissions

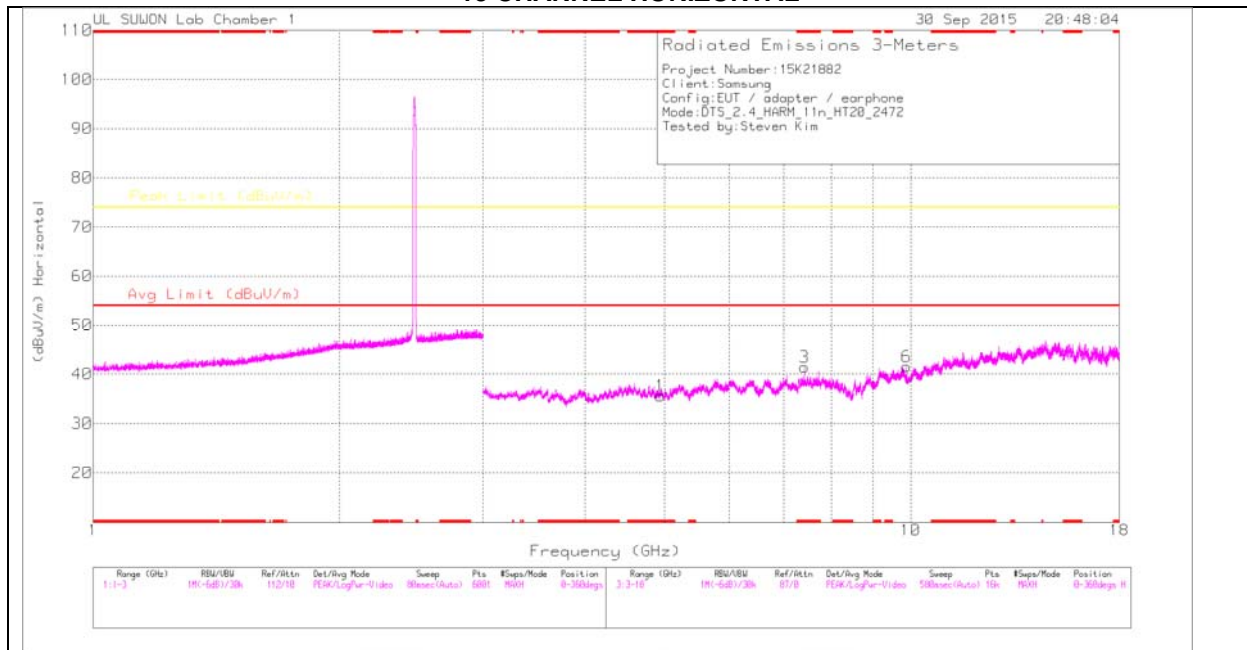
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168724)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.401	36.74	PK2	36	-22.1	0	50.64	-	-	74	-23.36	287	295	H
* 7.401	23.92	MAv1	36	-22.1	.33	38.15	54	-15.85	-	-	287	295	H
9.868	34.52	PK2	37.1	-19.2	0	52.42	-	-	74	-21.58	243	159	H

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

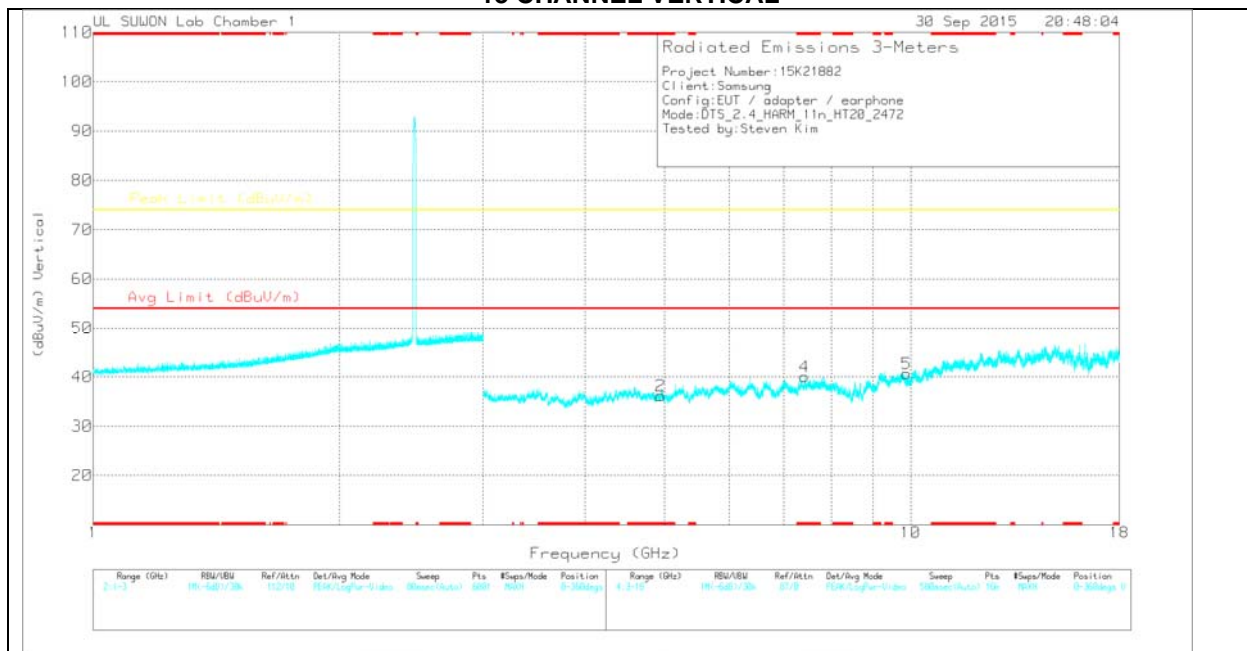
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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(00168724)_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	* 4.944	26.8	PK	33.9	-25.1	0	35.6	-	-	74	-38.4	0-360	200	H
3	* 7.415	27.53	PK	36	-22.1	0	41.43	-	-	74	-32.57	0-360	200	H
6	9.887	23.62	PK	37.1	-19.2	0	41.52	-	-	74	-32.48	0-360	200	H
2	* 4.945	27.37	PK	33.9	-25.1	0	36.17	-	-	74	-37.83	0-360	200	V
4	* 7.415	26.12	PK	36	-22.1	0	40.02	-	-	74	-33.98	0-360	100	V
5	9.888	22.75	PK	37.1	-19.2	0	40.65	-	-	74	-33.35	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(00168724)_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
* 7.416	37.74	PK2	36	-22.1	0	51.64	-	-	74	-22.36	268	188	H
* 7.416	27.72	MAv1	36	-22.1	.33	41.95	54	-12.05	-	-	268	188	H
* 7.416	36.5	PK2	36	-22.1	0	50.4	-	-	74	-23.6	25	276	V
* 7.416	24.04	MAv1	36	-22.1	.33	38.27	54	-15.73	-	-	25	276	V

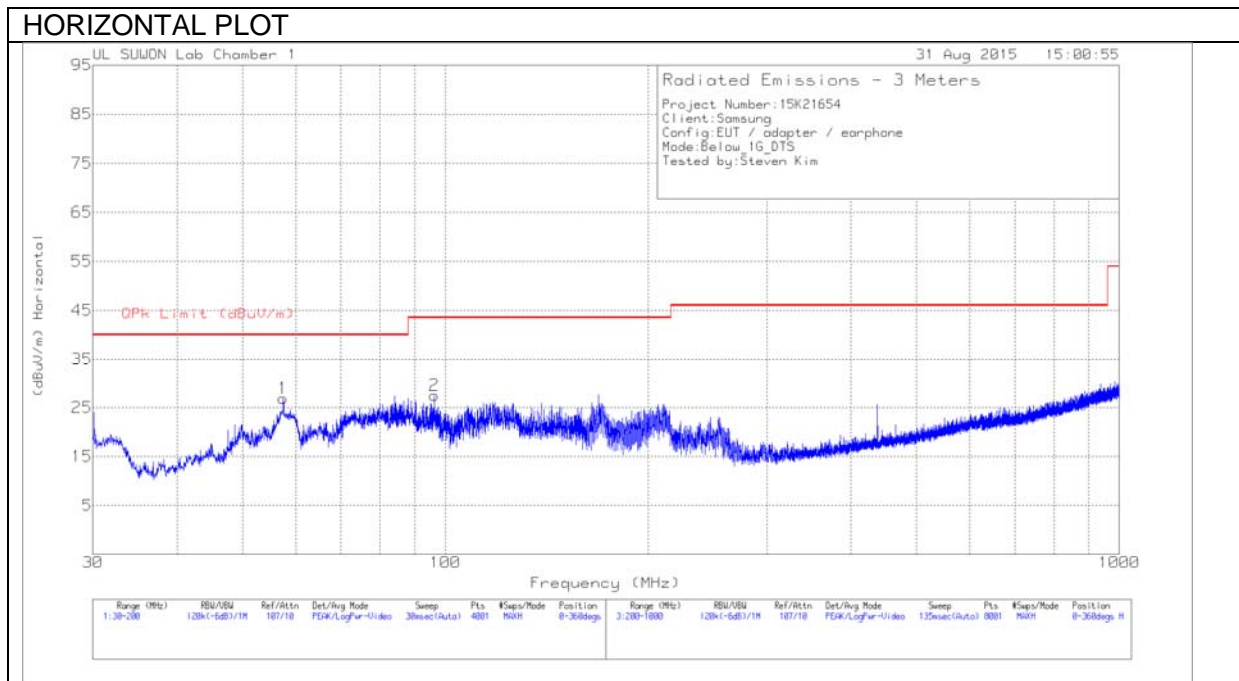
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

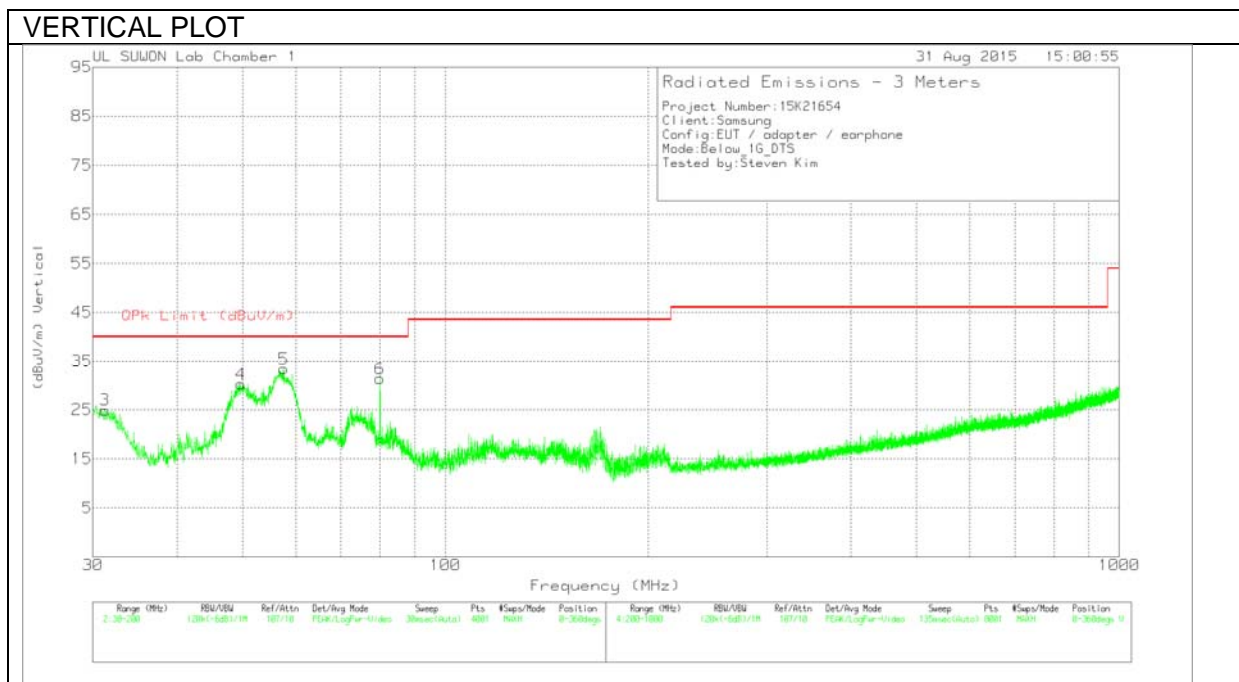
MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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**

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	57.4975	43.92	Pk	13	-30	26.92	40	-13.08	0-360	400	H
2	96.3425	46.05	Pk	10.8	-29.3	27.55	43.52	-15.97	0-360	300	H
3	31.2325	45.13	Pk	10.3	-30.5	24.93	40	-15.07	0-360	100	V
4	49.72	46.65	Pk	13.8	-30.2	30.25	40	-9.75	0-360	100	V
5	57.54	50.5	Pk	12.9	-30	33.4	40	-6.6	0-360	100	V
6	79.98	54.09	Pk	6.9	-29.6	31.39	40	-8.61	0-360	100	V

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 2009.

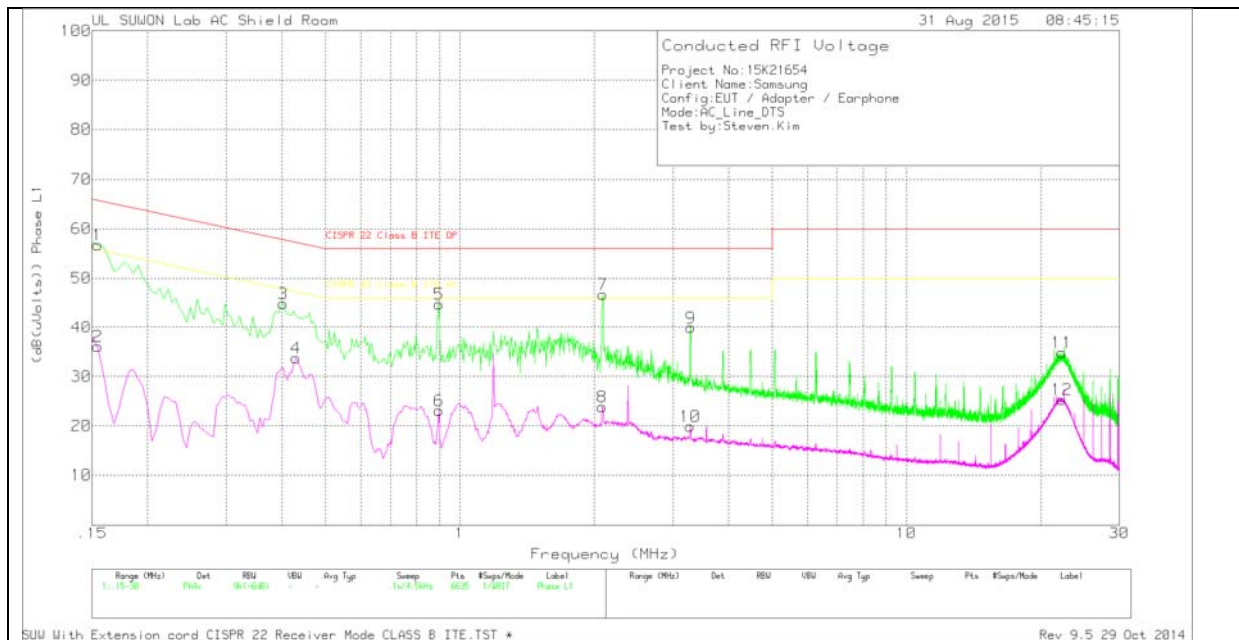
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

**RESULTS**

**WORST EMISSIONS**

**LINE 1 PLOT**



**LINE 1 RESULTS**

Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex- cord_L1	CE Shield Room	Corrected Reading (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.1545	46.84	Pk	9.9	0	56.74	65.75	-9.01	-	-
2	.1545	26.22	Av	9.9	0	36.12	-	-	55.75	-19.63
3	.402	34.74	Pk	10.1	0	44.84	57.81	-12.97	-	-
4	.429	23.61	Av	10.1	0	33.71	-	-	47.27	-13.56
5	.897	34.89	Pk	9.9	0	44.79	56	-11.21	-	-
6	.897	13.2	Av	9.9	0	23.1	-	-	46	-22.9
7	2.0895	36.77	Pk	9.8	.1	46.67	56	-9.33	-	-
8	2.085	13.98	Av	9.8	.1	23.88	-	-	46	-22.12
9	3.2865	30.02	Pk	9.8	.1	39.92	56	-16.08	-	-
10	3.282	10.01	Av	9.8	.1	19.91	-	-	46	-26.09
11	22.272	24.11	Pk	10.5	.2	34.81	60	-25.19	-	-
12	22.29	14.66	Av	10.5	.2	25.36	-	-	50	-24.64

Pk - Peak detector

Av - Average detection

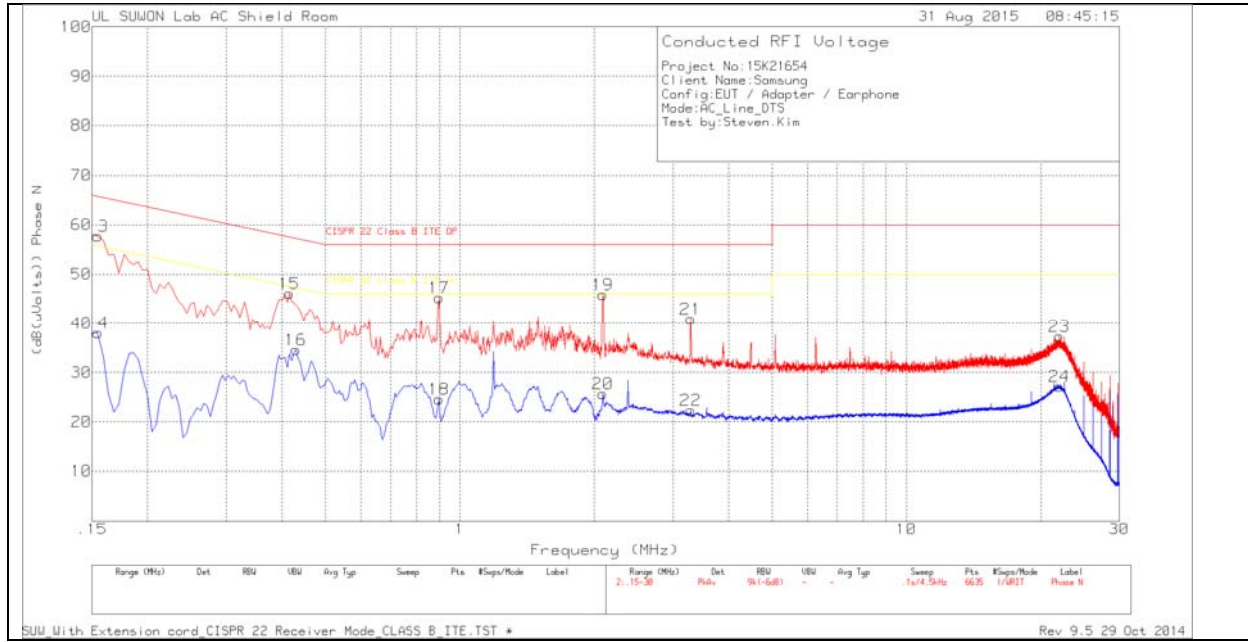
**Quasi-Peak Emissions**

Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101837_wit h ex-cord_L1	CE Shield Room	Corrected Reading (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
.1509	44.65	Qp	9.8	0	54.45	65.95	-11.5	-	-
2.0931	31.9	Qp	9.8	.1	41.8	56	-14.2	-	-

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 (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.1545	47.85	Pk	9.9	0	57.75	65.75	-8	-	-
14	.1545	28.11	Av	9.9	0	38.01	-	-	55.75	-17.74
15	.4155	36.02	Pk	10.1	0	46.12	57.54	-11.42	-	-
16	.429	24.53	Av	10.1	0	34.63	-	-	47.27	-12.64
17	.897	35.32	Pk	9.9	0	45.22	56	-10.78	-	-
18	.897	14.69	Av	9.9	0	24.59	-	-	46	-21.41
19	2.0895	35.98	Pk	9.8	.1	45.88	56	-10.12	-	-
20	2.0895	15.82	Av	9.8	.1	25.72	-	-	46	-20.28
21	3.2865	31.05	Pk	9.8	.1	40.95	56	-15.05	-	-
22	3.2865	12.49	Av	9.8	.1	22.39	-	-	46	-23.61
23	22.0065	26.4	Pk	10.7	.2	37.3	60	-22.7	-	-
24	22.011	16.28	Av	10.7	.2	27.18	-	-	50	-22.82

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 (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
.1518	44.98	Qp	9.8	0	54.78	65.9	-11.12	-	-
2.0931	38.76	Qp	9.8	.1	48.66	56	-7.34	-	-

Qp - Quasi-Peak detector