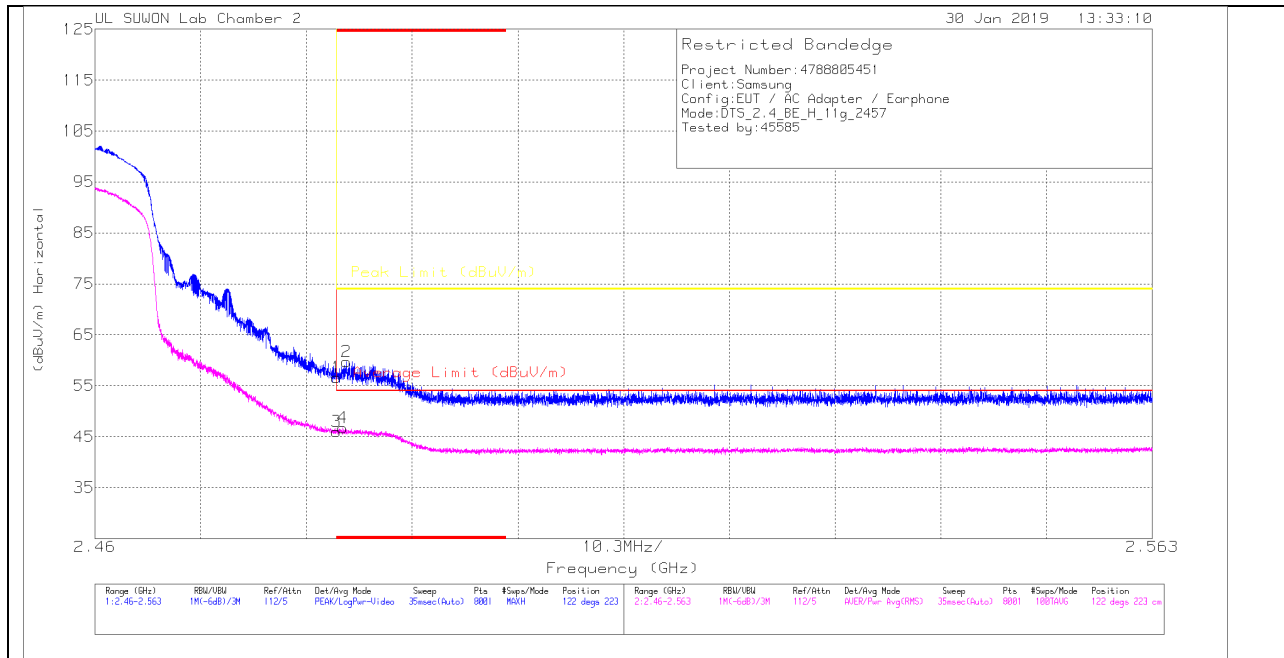


### AUTHORIZED BANDEDGE (10 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

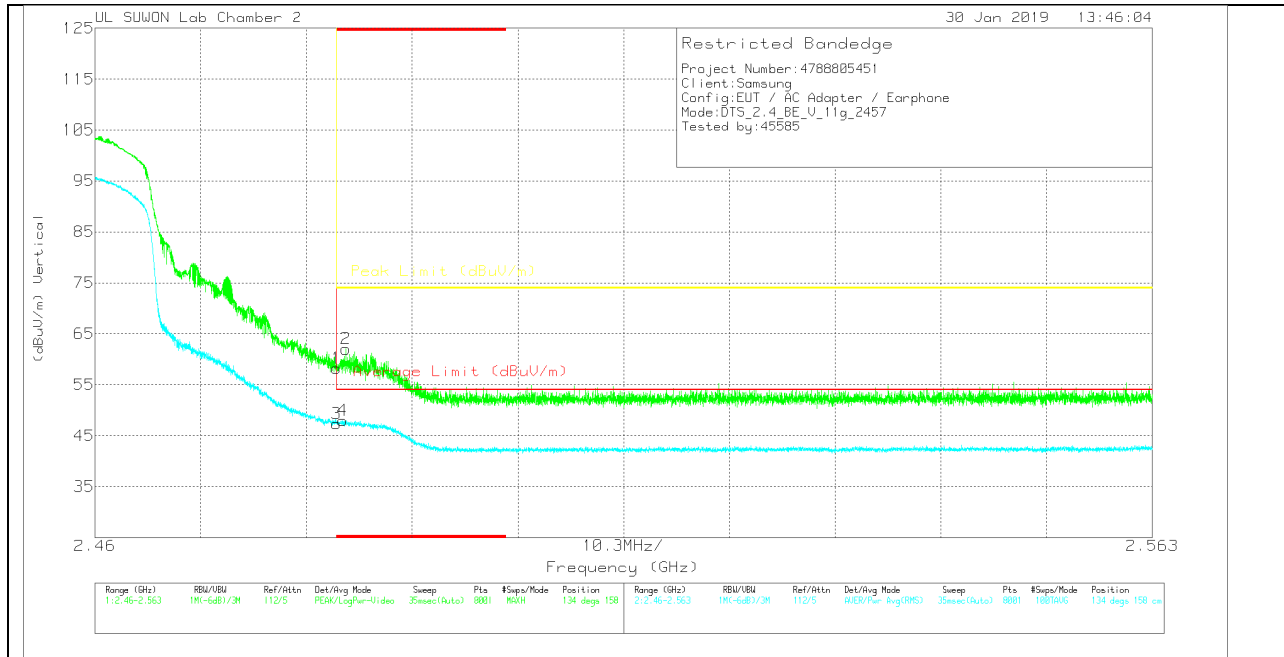
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.35	PK	31.9	-20.6	0	56.65	-	-	74	-17.35	122	223	H
2	* 2.485	48.43	PK	31.9	-20.6	0	59.73	-	-	74	-14.27	122	223	H
3	* 2.484	34.53	RMS	31.9	-20.6	.13	45.96	54	-8.04	-	-	122	223	H
4	* 2.484	35.26	RMS	31.9	-20.6	.13	46.69	54	-7.31	-	-	122	223	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	46.89	Pk	31.9	-20.6	0	58.19	-	-	74	-15.81	134	158	V
2	* 2.484	50.72	Pk	31.9	-20.6	0	62.02	-	-	74	-11.98	134	158	V
3	* 2.484	35.89	RMS	31.9	-20.6	.13	47.32	54	-6.68	-	-	134	158	V
4	* 2.484	36.55	RMS	31.9	-20.6	.13	47.98	54	-6.02	-	-	134	158	V

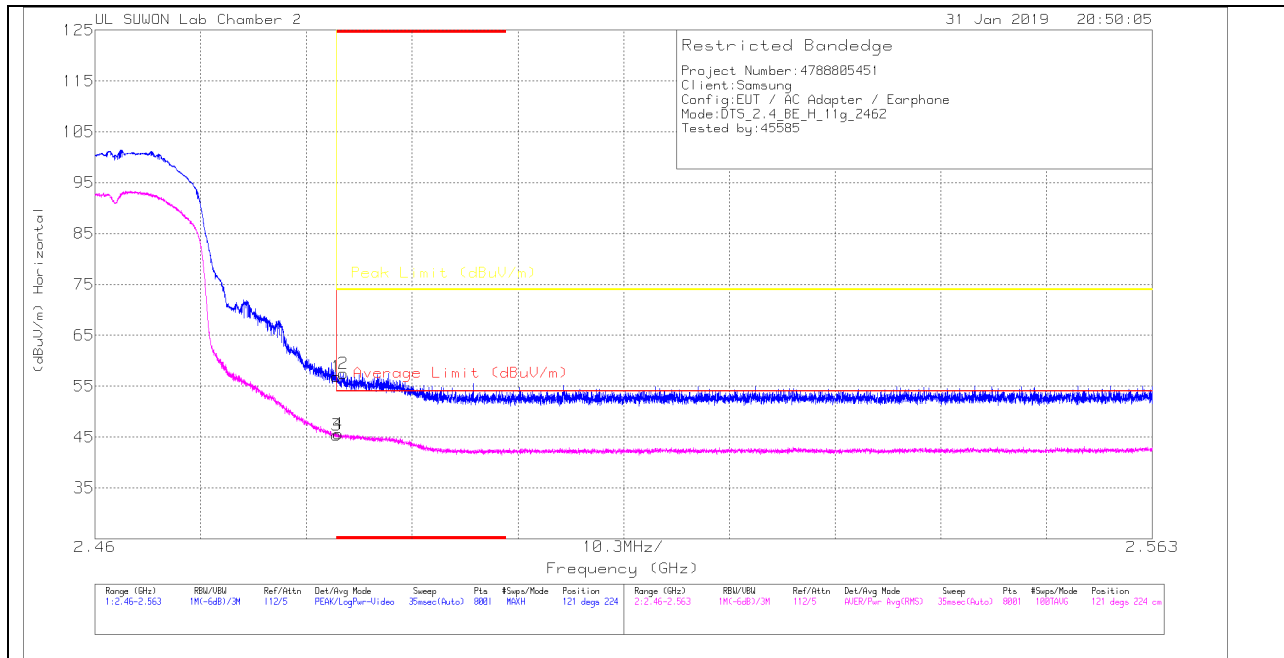
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (11 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

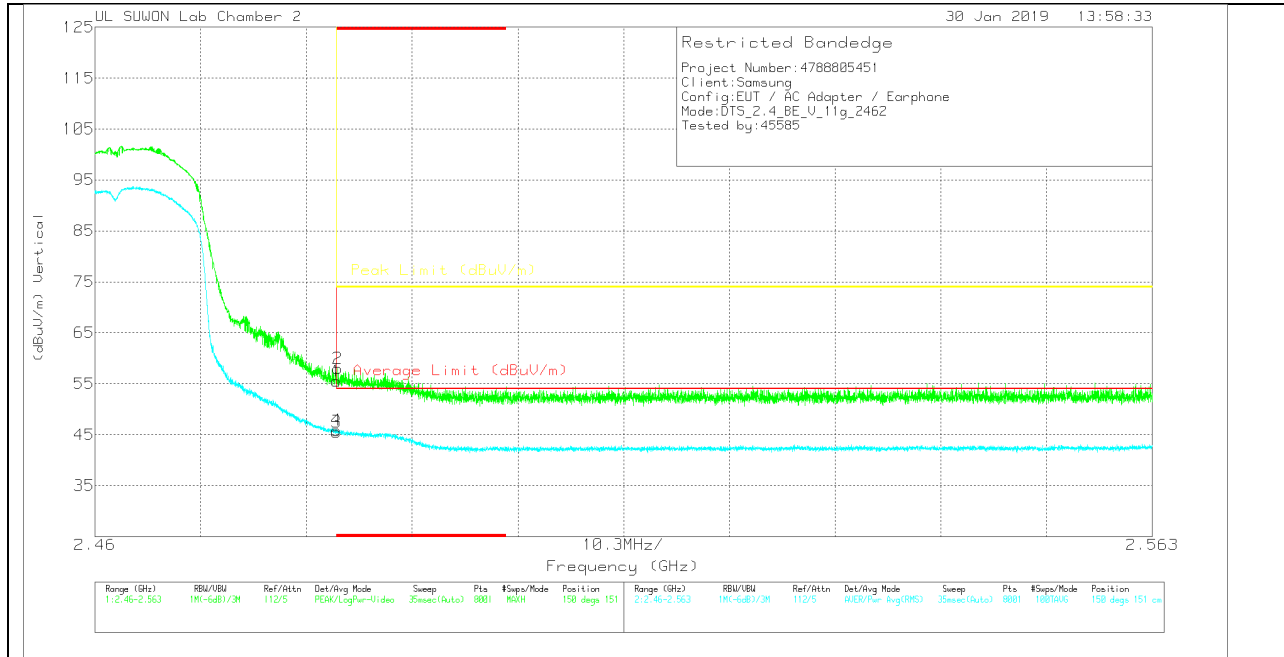
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	45.57	Pk	31.9	-20.6	0	56.87	-	-	74	-17.13	121	224	H
2	* 2.484	46.22	PK	31.9	-20.6	0	57.52	-	-	74	-16.48	121	224	H
3	* 2.484	33.93	RMS	31.9	-20.6	.13	45.36	54	-8.64	-	-	121	224	H
4	* 2.484	34.2	RMS	31.9	-20.6	.13	45.63	54	-8.37	-	-	121	224	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.24	Pk	31.9	-20.6	0	55.54	-	-	74	-18.46	150	151	V
2	* 2.484	46.71	Pk	31.9	-20.6	0	58.01	-	-	74	-15.99	150	151	V
3	* 2.484	34.13	RMS	31.9	-20.6	.13	45.56	54	-8.44	-	-	150	151	V
4	* 2.484	34.49	RMS	31.9	-20.6	.13	45.92	54	-8.08	-	-	150	151	V

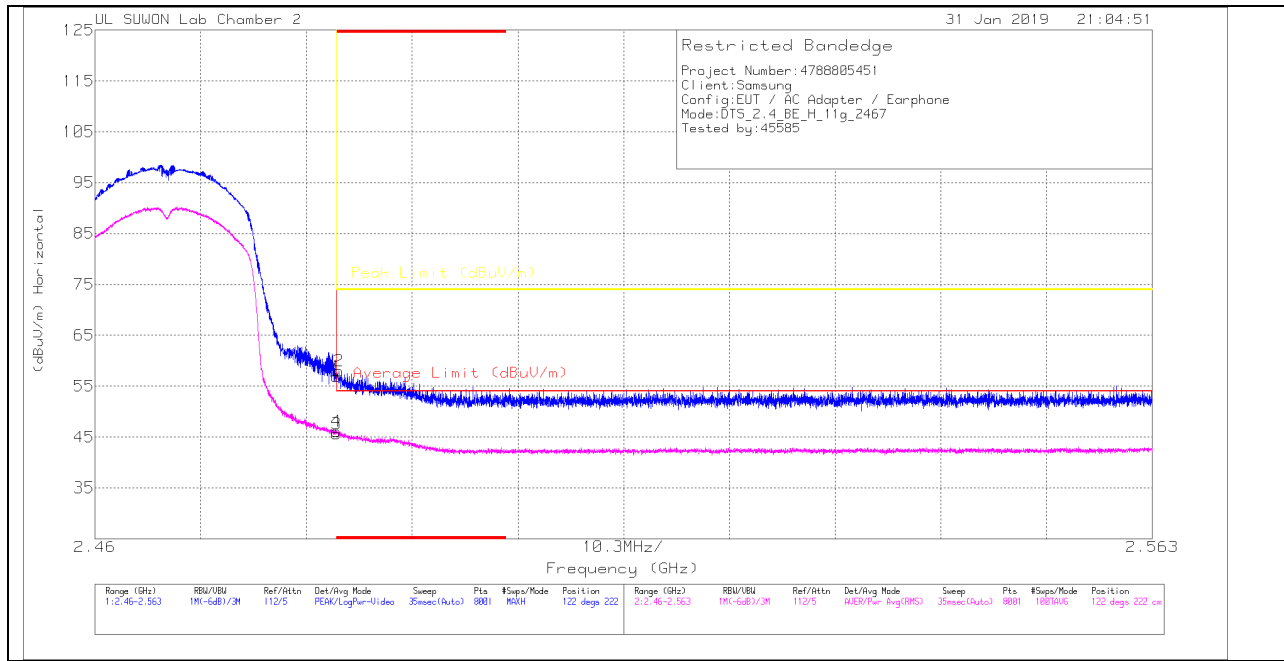
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (12 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

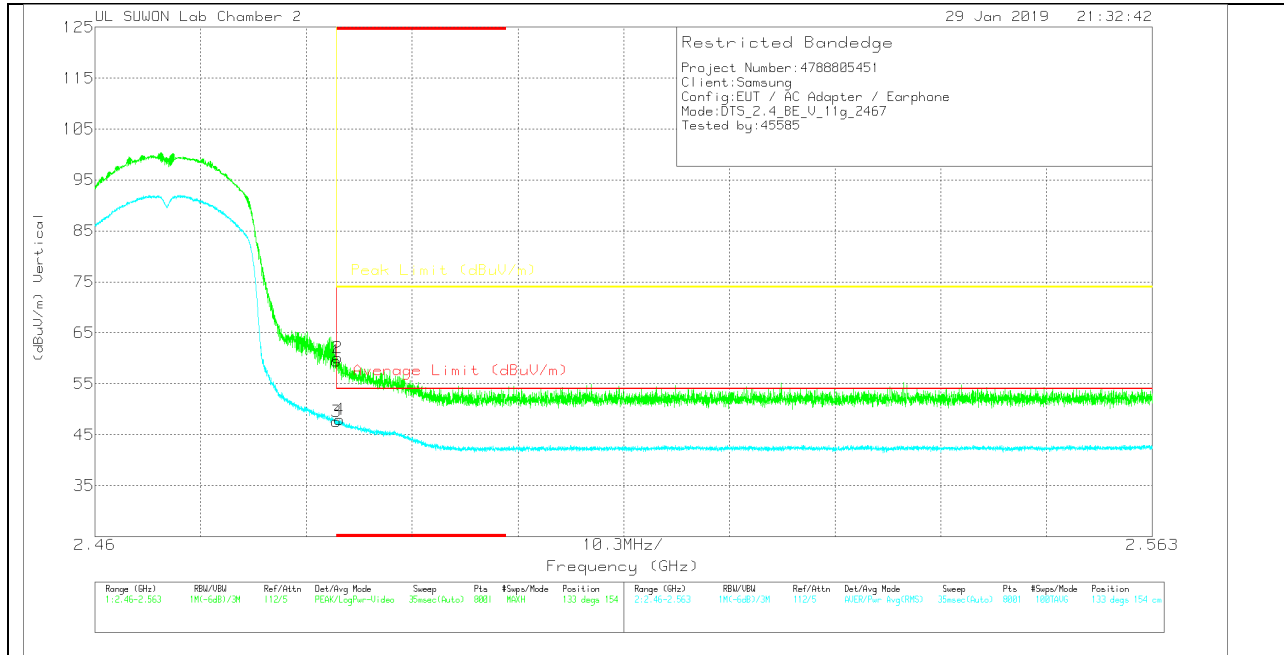
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.61	PK	31.9	-20.6	0	56.91	-	-	74	-17.09	122	222	H
2	* 2.484	46.64	PK	31.9	-20.6	0	57.94	-	-	74	-16.06	122	222	H
3	* 2.484	34.25	RMS	31.9	-20.6	.13	45.68	54	-8.32	-	-	122	222	H
4	* 2.484	34.66	RMS	31.9	-20.6	.13	46.09	54	-7.91	-	-	122	222	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.17	Pk	31.9	-20.6	0	59.47	-	-	74	-14.53	133	154	V
2	* 2.484	48.83	Pk	31.9	-20.6	0	60.13	-	-	74	-13.87	133	154	V
3	* 2.484	36.19	RMS	31.9	-20.6	.13	47.62	54	-6.38	-	-	133	154	V
4	* 2.484	36.5	RMS	31.9	-20.6	.13	47.93	54	-6.07	-	-	133	154	V

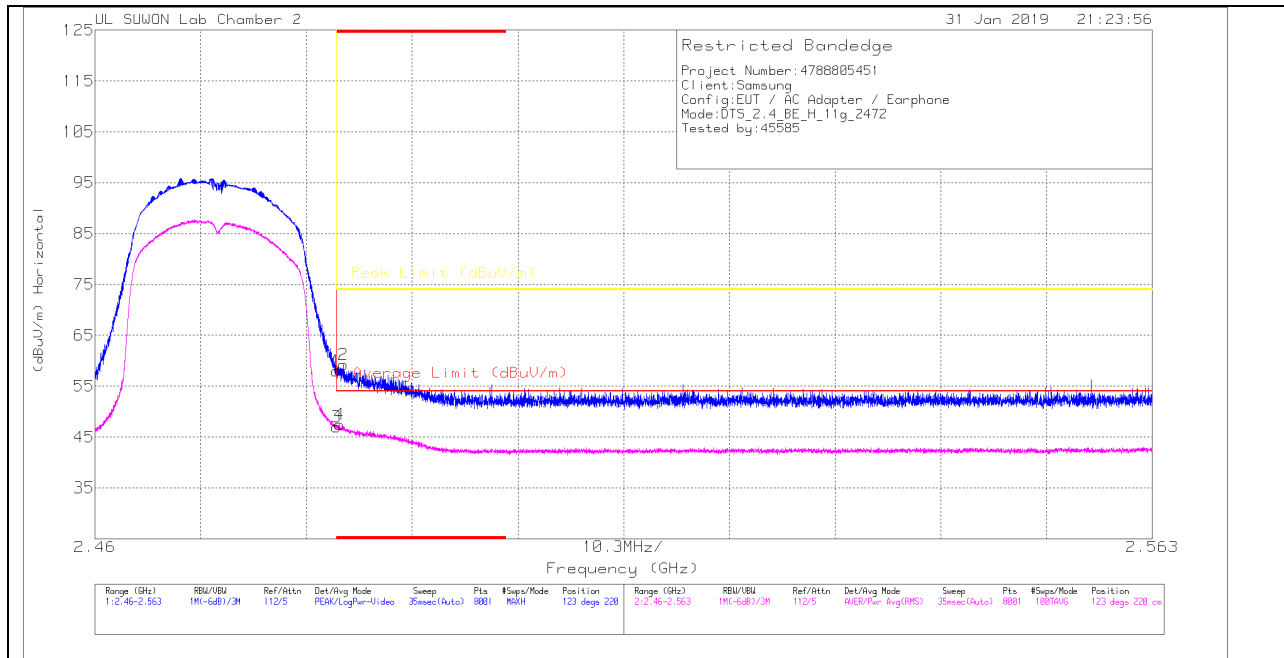
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (13 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

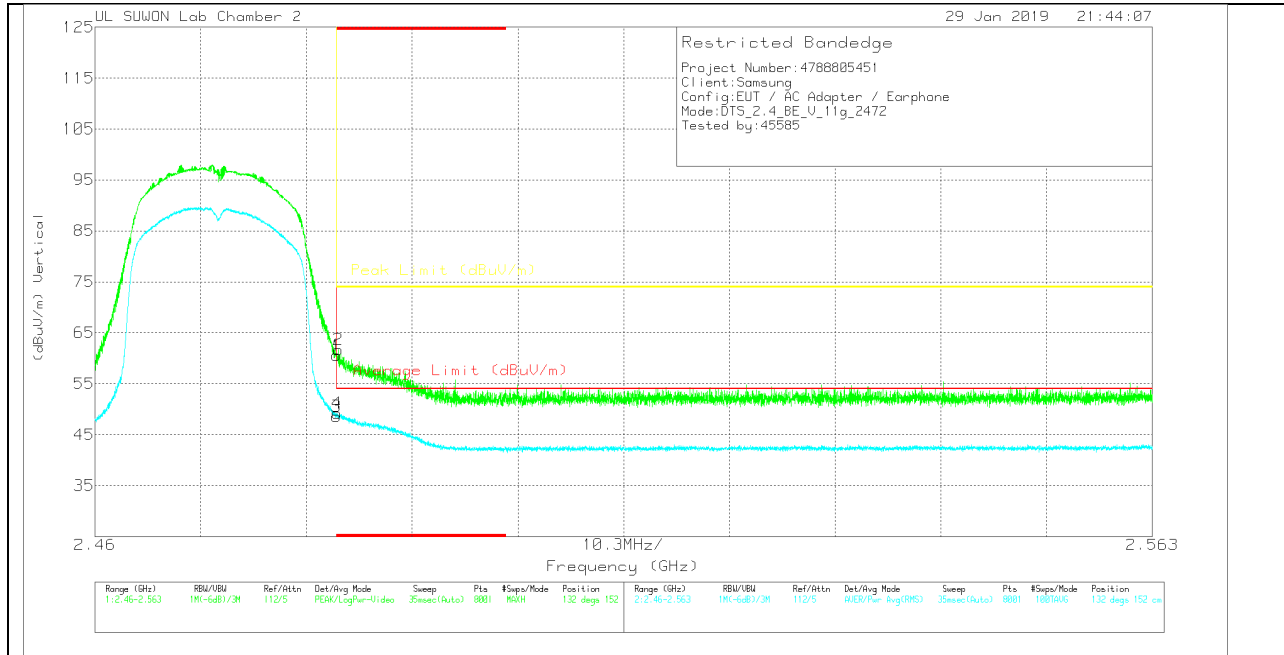
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	46.65	Pk	31.9	-20.6	0	57.95	-	-	74	-16.05	123	220	H
2	* 2.484	47.94	PK	31.9	-20.6	0	59.24	-	-	74	-14.76	123	220	H
3	* 2.484	35.55	RMS	31.9	-20.6	.13	46.98	54	-7.02	-	-	123	220	H
4	* 2.484	36	RMS	31.9	-20.6	.13	47.43	54	-6.57	-	-	123	220	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.26	Pk	31.9	-20.6	0	60.56	-	-	74	-13.44	132	152	V
2	* 2.484	50.45	Pk	31.9	-20.6	0	61.75	-	-	74	-12.25	132	152	V
3	* 2.484	37.15	RMS	31.9	-20.6	.13	48.58	54	-5.42	-	-	132	152	V
4	* 2.484	37.74	RMS	31.9	-20.6	.13	49.17	54	-4.83	-	-	132	152	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

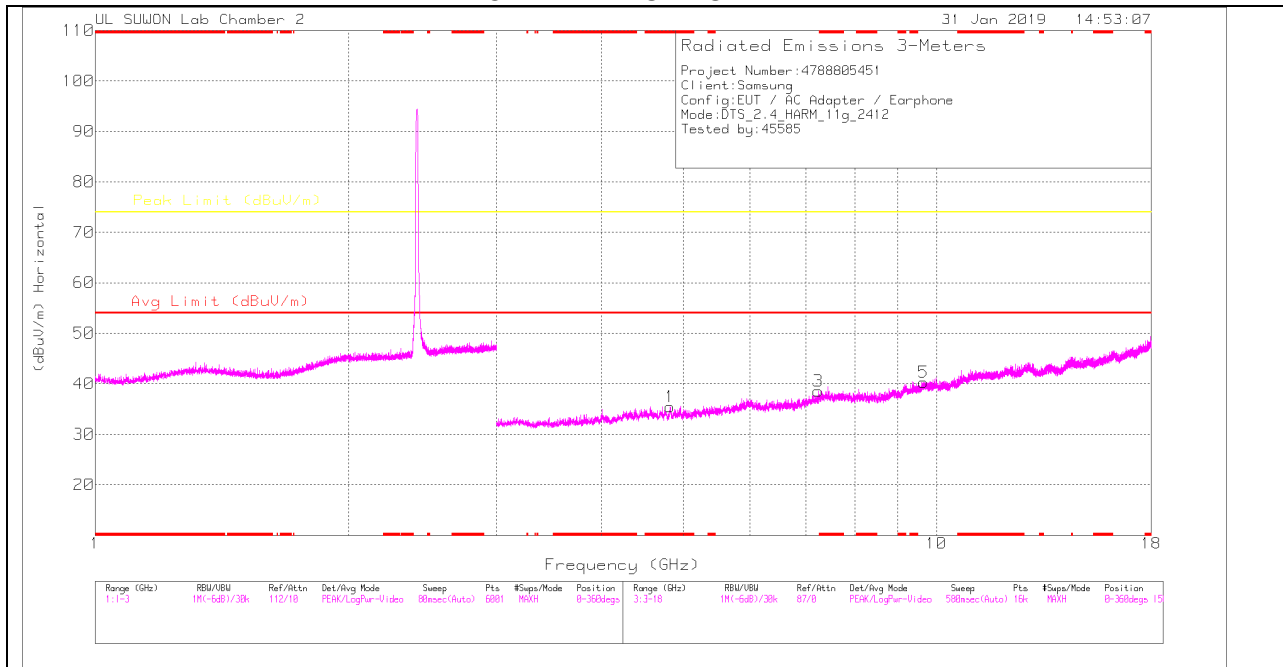
Pk - Peak detector

RMS - RMS detection

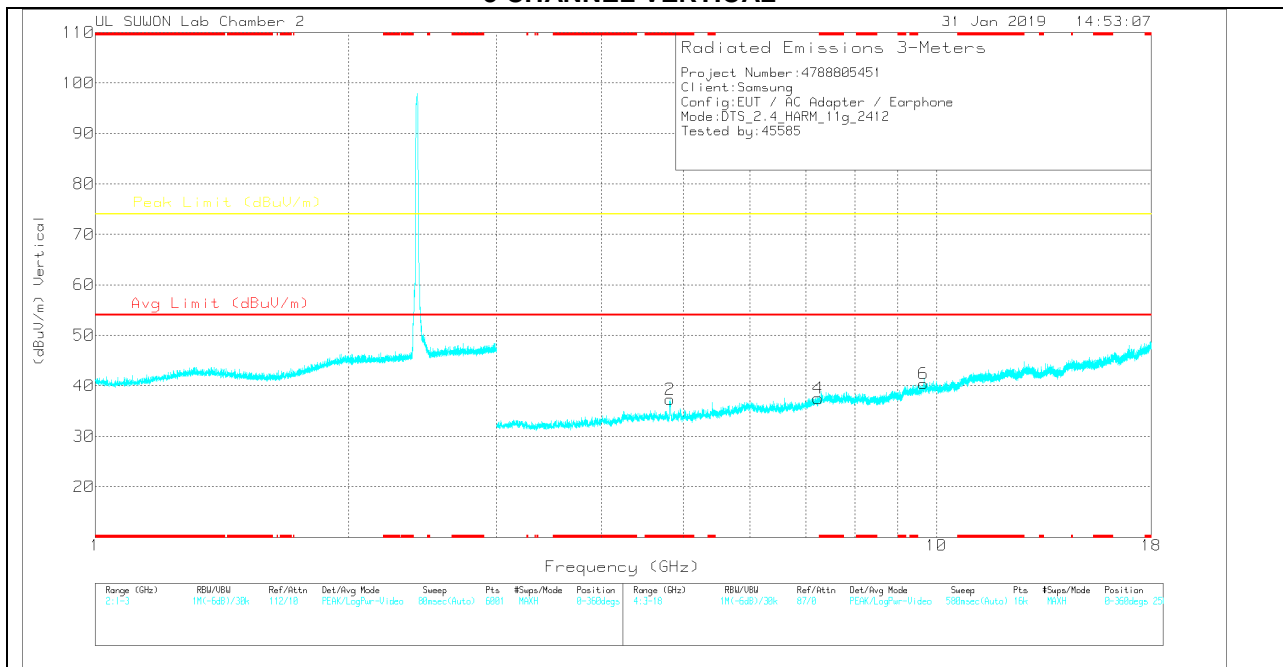


### HARMONICS AND SPURIOUS EMISSIONS

#### 1 CHANNEL HORIZONTAL



#### 3 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.

**1 CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	29.51	PK	34	-28.1	0	35.41	-	-	74	-38.59	0-360	150	H
3	7.234	27.94	PK	36.1	-25.5	0	38.54	-	-	74	-35.46	0-360	250	H
5	9.657	24.69	PK	37.1	-21.5	0	40.29	-	-	74	-33.71	0-360	250	H
2	* 4.824	31.39	PK	34	-28.1	0	37.29	-	-	74	-36.71	0-360	250	V
4	7.234	26.92	PK	36.1	-25.5	0	37.52	-	-	74	-36.48	0-360	150	V
6	9.647	25.11	PK	37	-21.7	0	40.41	-	-	74	-33.59	0-360	150	V

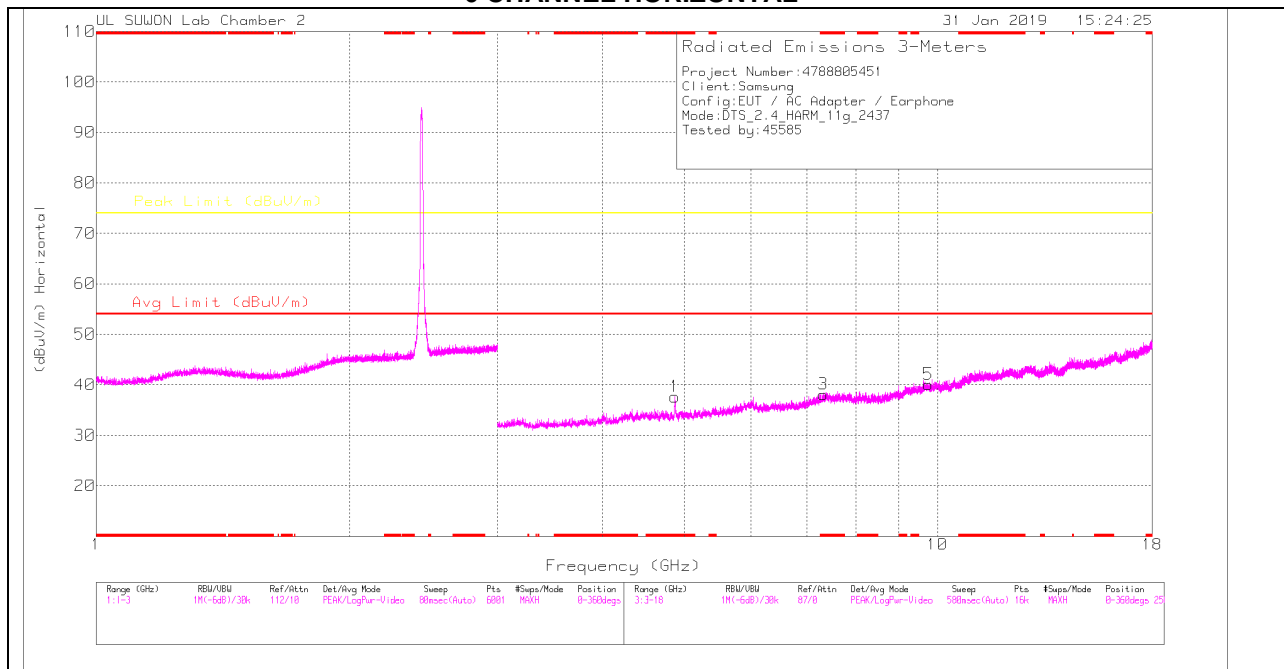
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

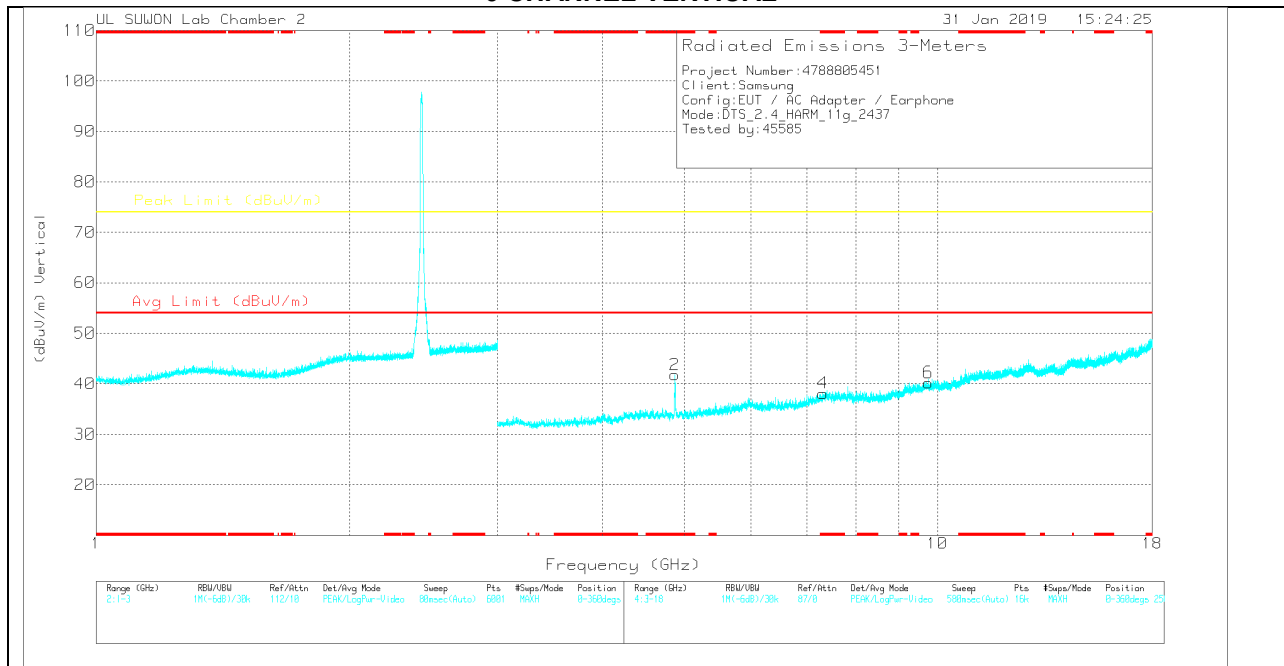
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.821	40.23	PK2	34	-28.2	0	46.03	-	-	74	-27.97	224	158	H
* 4.824	27.38	MAv1	34	-28.1	.13	33.41	54	-20.59	-	-	224	158	H
* 4.829	40.97	PK2	34	-28.1	0	46.87	-	-	74	-27.13	199	216	V
* 4.824	29.35	MAv1	34	-28.1	.13	35.38	54	-18.62	-	-	199	216	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

6 CHANNEL HORIZONTAL



6 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.

**6 CHANNEL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.874	31.64	PK	34	-28	0	37.64	-	-	74	-36.36	0-360	150	H
3	* 7.311	26.91	PK	36.2	-25	0	38.11	-	-	74	-35.89	0-360	250	H
5	9.755	24.36	PK	37.2	-21.5	0	40.06	-	-	74	-33.94	0-360	150	H
2	* 4.873	35.76	PK	34	-28	0	41.76	-	-	74	-32.24	0-360	250	V
4	* 7.308	27.02	PK	36.2	-25.1	0	38.12	-	-	74	-35.88	0-360	150	V
6	9.751	24.51	PK	37.2	-21.5	0	40.21	-	-	74	-33.79	0-360	150	V

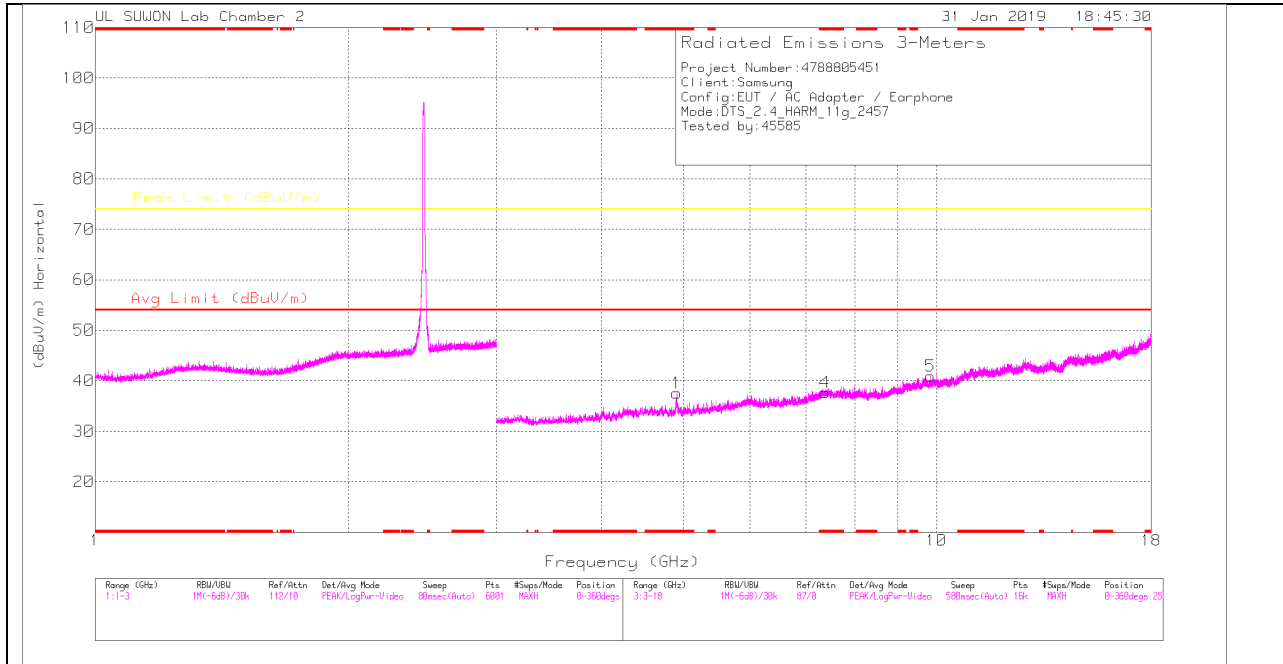
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Avg - Video bandwidth < Resolution bandwidth

**Radiated Emissions**

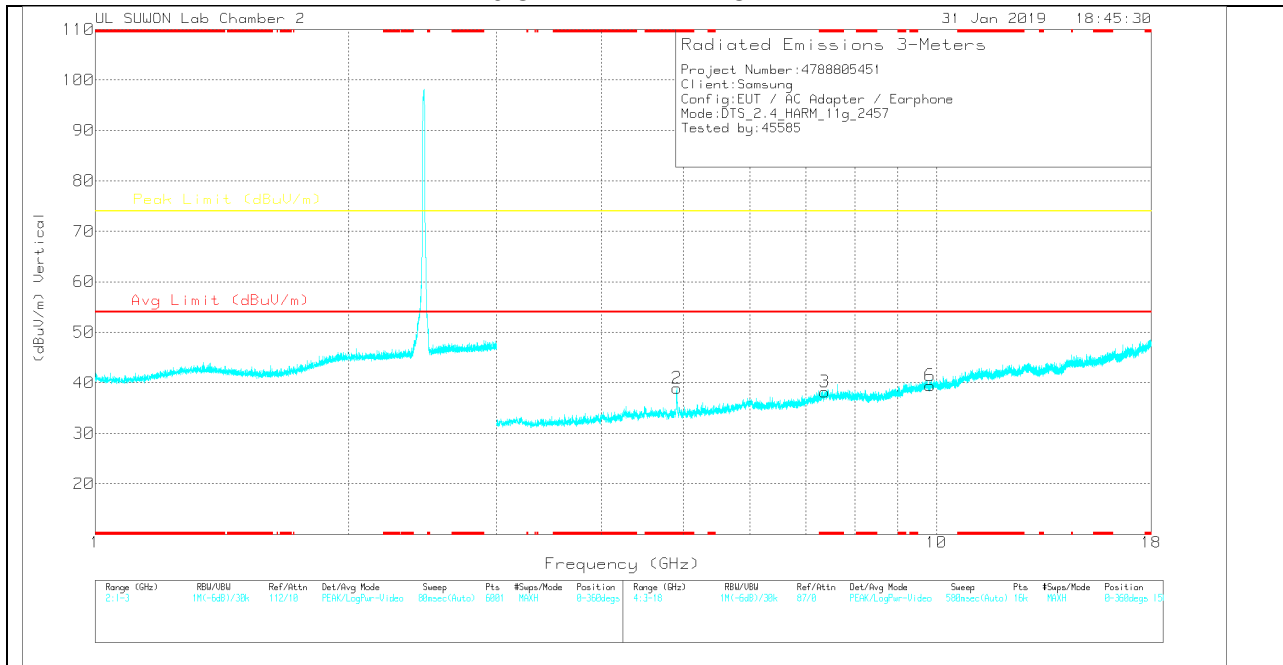
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.875	42.07	PK2	34	-28	0	48.07	-	-	74	-25.93	228	154	H
* 4.875	29.44	MAv1	34	-27.9	.13	35.67	54	-18.33	-	-	228	154	H
* 4.875	44.2	PK2	34	-27.9	0	50.3	-	-	74	-23.7	198	212	V
* 4.875	32.34	MAv1	34	-27.9	.13	38.57	54	-15.43	-	-	198	212	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### 10 CHANNEL HORIZONTAL



### 10 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.

**10 CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.911	30.94	PK	34	-27.4	0	37.54	-	-	74	-36.46	0-360	150	H
4	* 7.372	25.86	PK	36.2	-24.4	0	37.66	-	-	74	-36.34	0-360	150	H
5	9.83	25.5	PK	37.3	-21.9	0	40.9	-	-	74	-33.1	0-360	250	H
2	* 4.913	32.34	PK	34	-27.4	0	38.94	-	-	74	-35.06	0-360	250	V
3	* 7.37	26.43	PK	36.2	-24.4	0	38.23	-	-	74	-35.77	0-360	150	V
6	9.827	24.04	PK	37.3	-21.9	0	39.44	-	-	74	-34.56	0-360	150	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

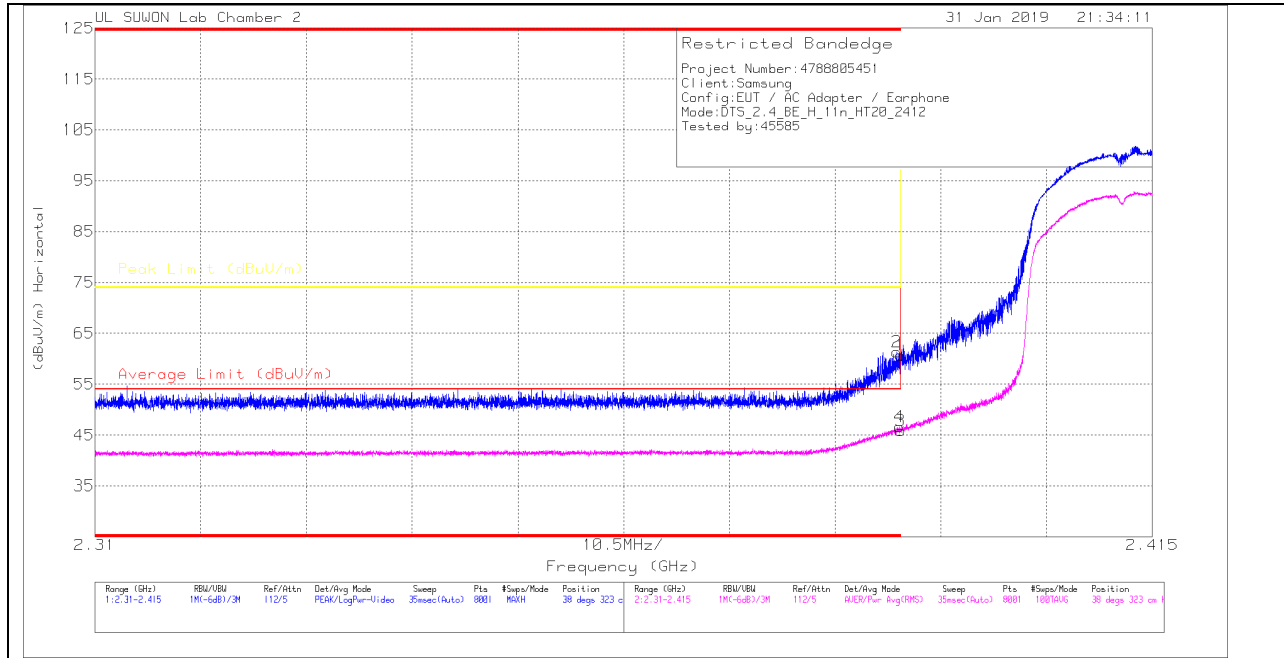
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.915	40.17	PK2	34	-27.4	0	46.77	-	-	74	-27.23	226	178	H
* 4.911	28.09	MAv1	34	-27.4	.13	34.82	54	-19.18	-	-	226	178	H
* 4.913	41.41	PK2	34	-27.4	0	48.01	-	-	74	-25.99	199	226	V
* 4.911	29.42	MAv1	34	-27.4	.13	36.15	54	-17.85	-	-	199	226	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 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 (1 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

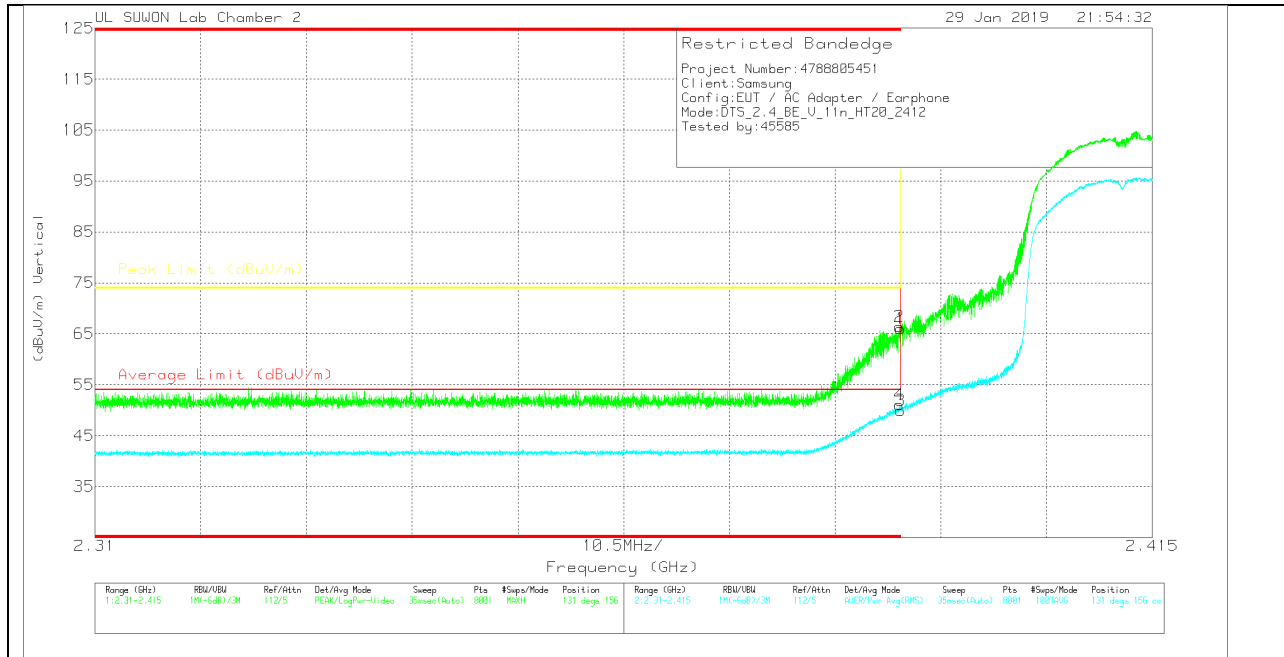
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	49.91	Pk	31.6	-20.8	0	60.71	-	-	74	-13.29	38	323	H
2	* 2.39	50.53	Pk	31.6	-20.8	0	61.33	-	-	74	-12.67	38	323	H
3	* 2.39	34.93	RMS	31.6	-20.8	.13	45.86	54	-8.14	-	-	38	323	H
4	* 2.39	35.73	RMS	31.6	-20.8	.13	46.66	54	-7.34	-	-	38	323	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	55.29	Pk	31.6	-20.8	0	66.09	-	-	74	-7.91	131	156	V
2	* 2.39	55.58	Pk	31.6	-20.8	0	66.38	-	-	74	-7.62	131	156	V
3	* 2.39	39.01	RMS	31.6	-20.8	.13	49.94	54	-4.06	-	-	131	156	V
4	* 2.39	40.1	RMS	31.6	-20.8	.13	51.03	54	-2.97	-	-	131	156	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

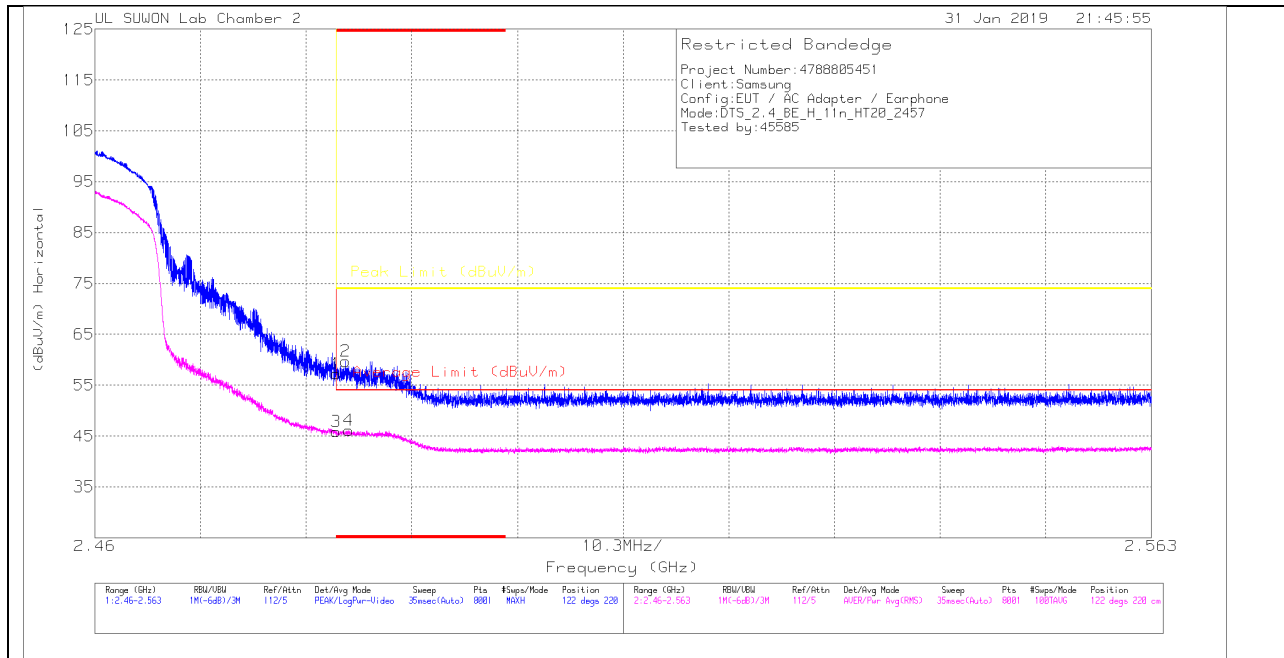
Pk - Peak detector

RMS - RMS detection



### AUTHORIZED BANDEDGE (10 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

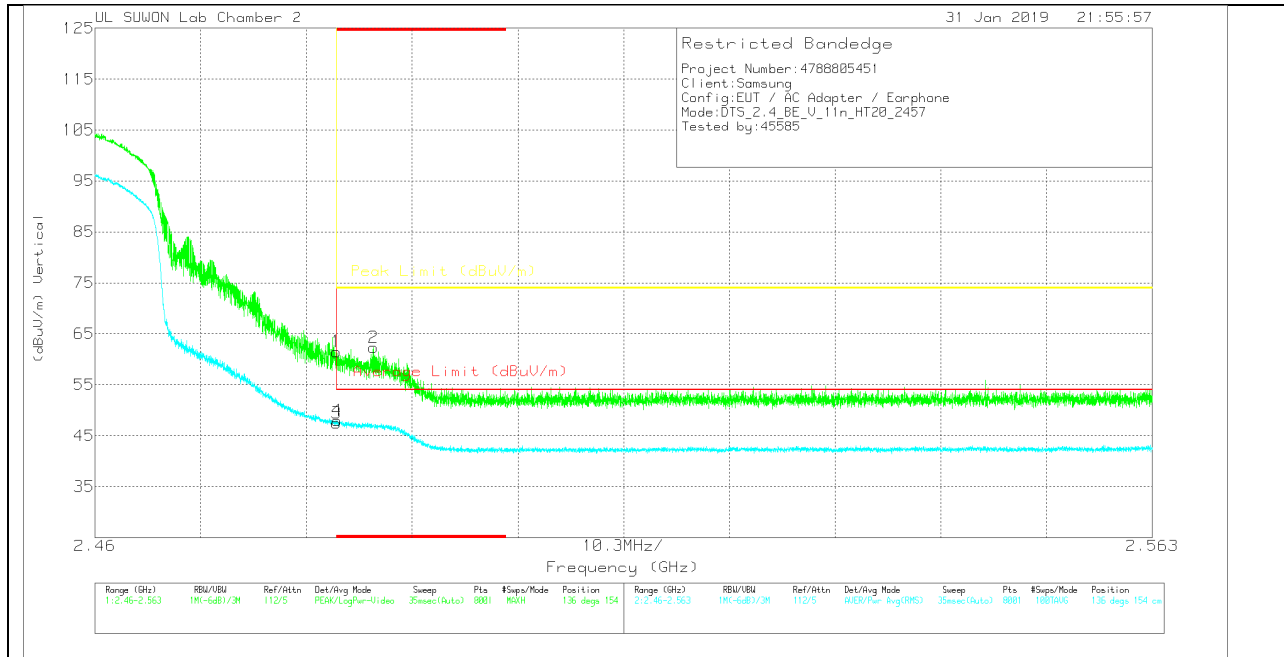
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	45.99	Pk	31.9	-20.6	0	57.29	-	-	74	-16.71	122	220	H
2	* 2.484	48.37	Pk	31.9	-20.6	0	59.67	-	-	74	-14.33	122	220	H
3	* 2.484	34.39	RMS	31.9	-20.6	.13	45.82	54	-8.18	-	-	122	220	H
4	* 2.485	34.73	RMS	31.9	-20.6	.13	46.16	54	-7.84	-	-	122	220	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	50.22	Pk	31.9	-20.6	0	61.52	-	-	74	-12.48	136	154	V
2	* 2.487	51.08	Pk	31.9	-20.7	0	62.28	-	-	74	-11.72	136	154	V
3	* 2.484	36.04	RMS	31.9	-20.6	.13	47.47	54	-6.53	-	-	136	154	V
4	* 2.484	36.52	RMS	31.9	-20.6	.13	47.95	54	-6.05	-	-	136	154	V

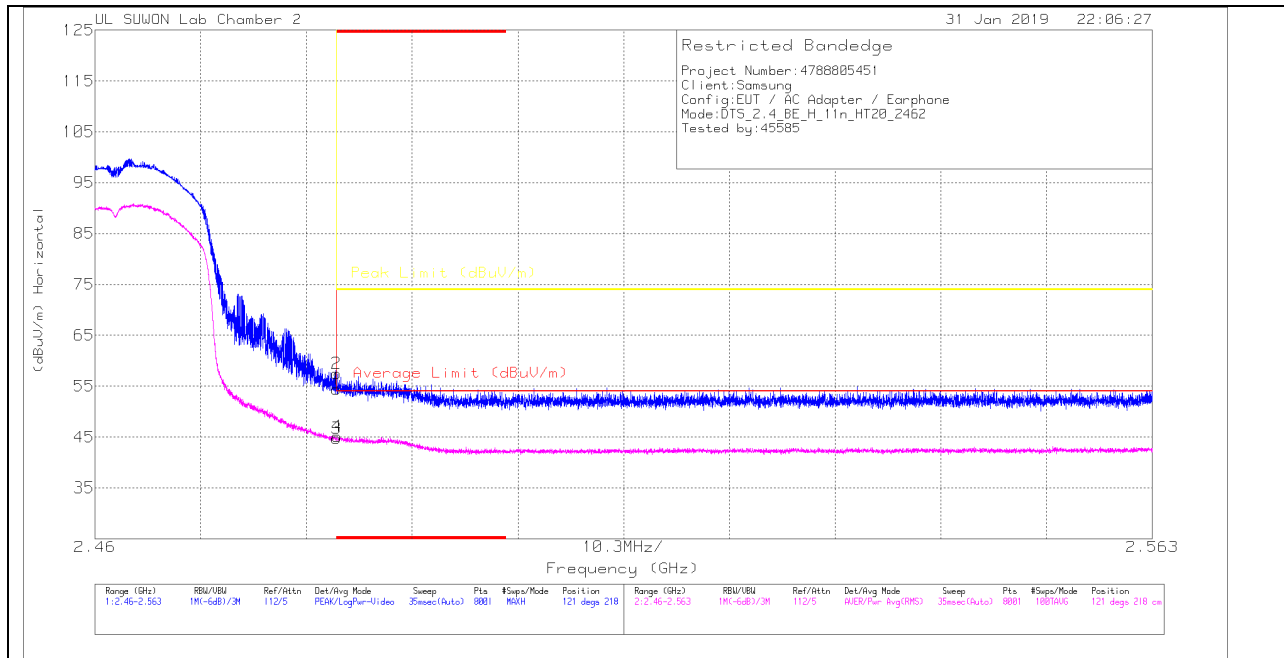
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (11 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

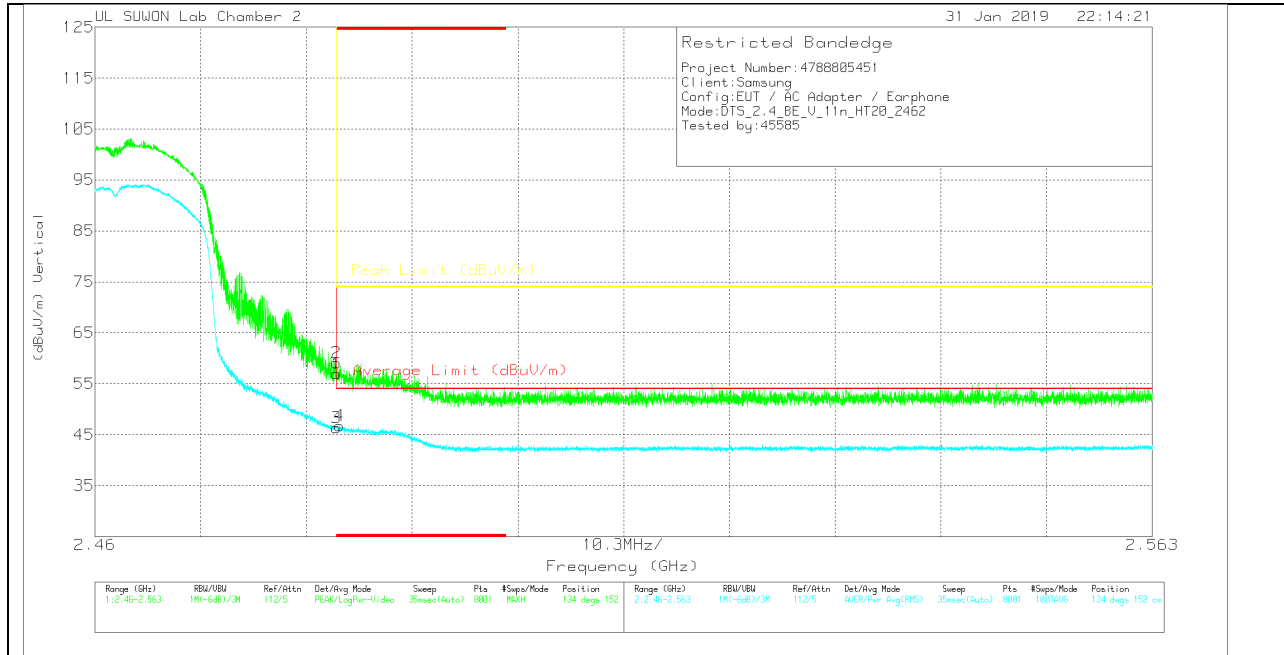
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	43.09	Pk	31.9	-20.6	0	54.39	-	-	74	-19.61	121	218	H
2	* 2.484	46.21	Pk	31.9	-20.6	0	57.51	-	-	74	-16.49	121	218	H
3	* 2.484	33.34	RMS	31.9	-20.6	.13	44.77	54	-9.23	-	-	121	218	H
4	* 2.484	33.72	RMS	31.9	-20.6	.13	45.15	54	-8.85	-	-	121	218	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.69	Pk	31.9	-20.6	0	56.99	-	-	74	-17.01	134	152	V
2	* 2.484	47.79	Pk	31.9	-20.6	0	59.09	-	-	74	-14.91	134	152	V
3	* 2.484	34.91	RMS	31.9	-20.6	.13	46.34	54	-7.66	-	-	134	152	V
4	* 2.484	35.3	RMS	31.9	-20.6	.13	46.73	54	-7.27	-	-	134	152	V

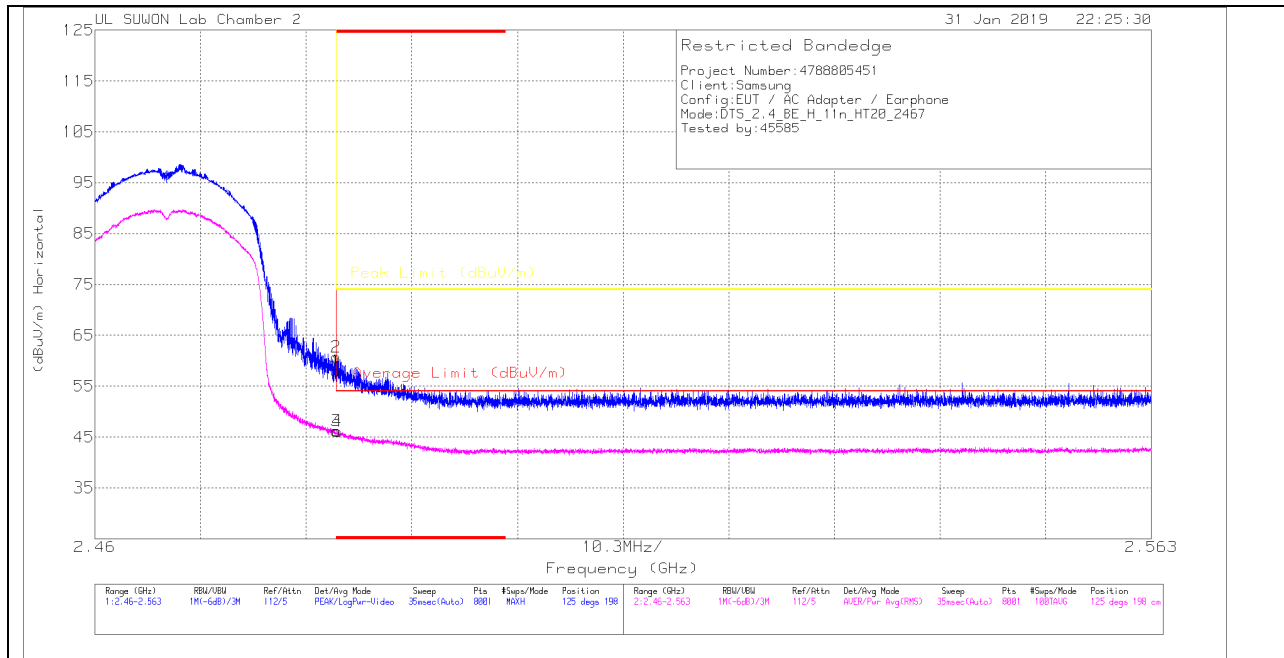
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (12 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

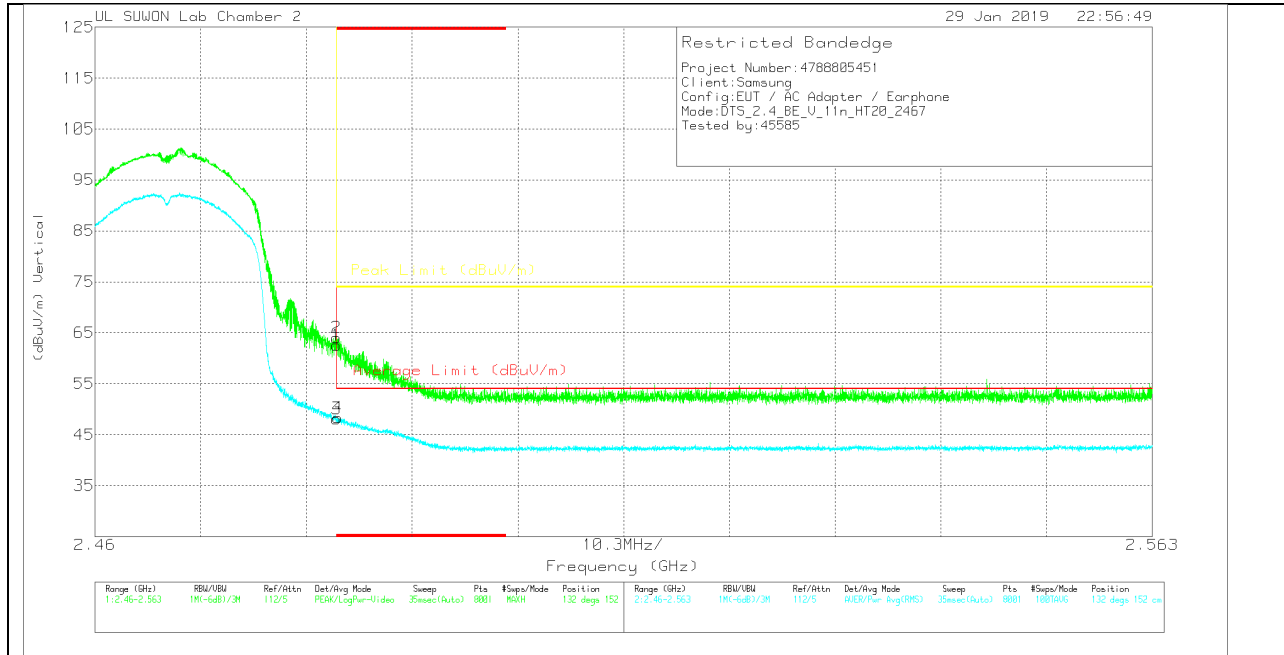
Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	46.72	PK	31.9	-20.6	0	58.02	-	-	74	-15.98	125	198	H
2	* 2.484	49.41	PK	31.9	-20.6	0	60.71	-	-	74	-13.29	125	198	H
3	* 2.484	34.77	RMS	31.9	-20.6	.13	46.2	54	-7.8	-	-	125	198	H
4	* 2.484	34.75	RMS	31.9	-20.6	.13	46.18	54	-7.82	-	-	125	198	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.28	Pk	31.9	-20.6	0	62.58	-	-	74	-11.42	132	152	V
2	* 2.484	52.8	Pk	31.9	-20.6	0	64.1	-	-	74	-9.9	132	152	V
3	* 2.484	36.73	RMS	31.9	-20.6	.13	48.16	54	-5.84	-	-	132	152	V
4	* 2.484	36.97	RMS	31.9	-20.6	.13	48.4	54	-5.6	-	-	132	152	V

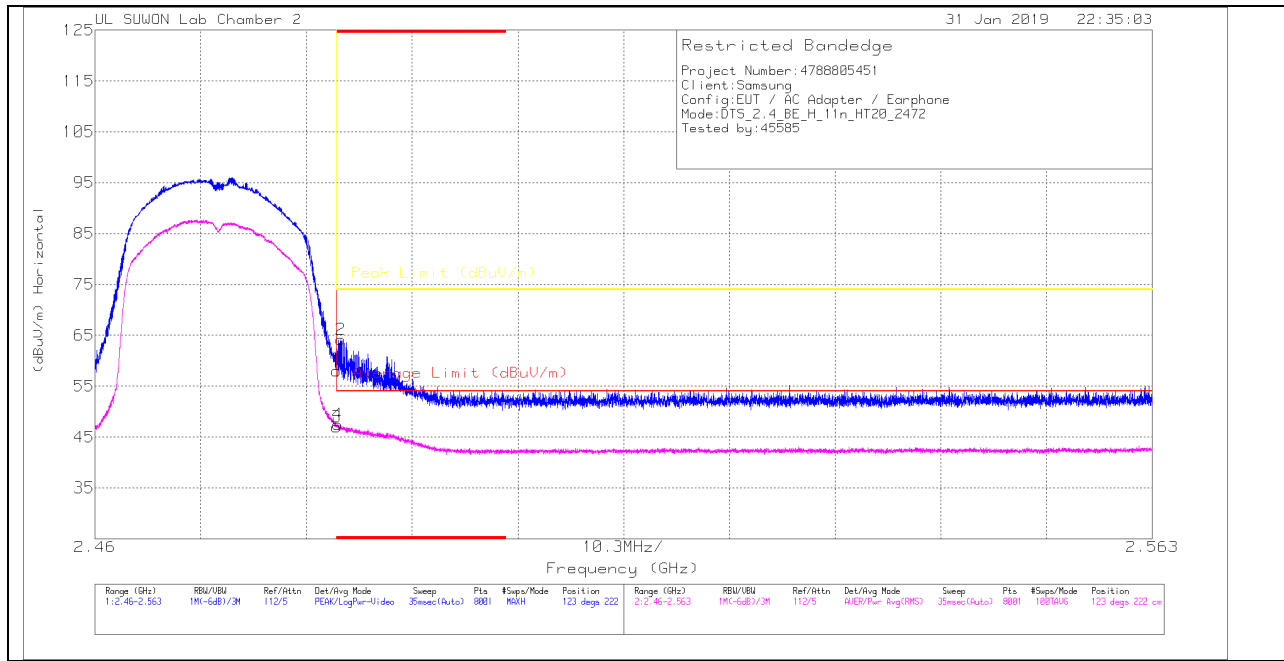
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (13 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

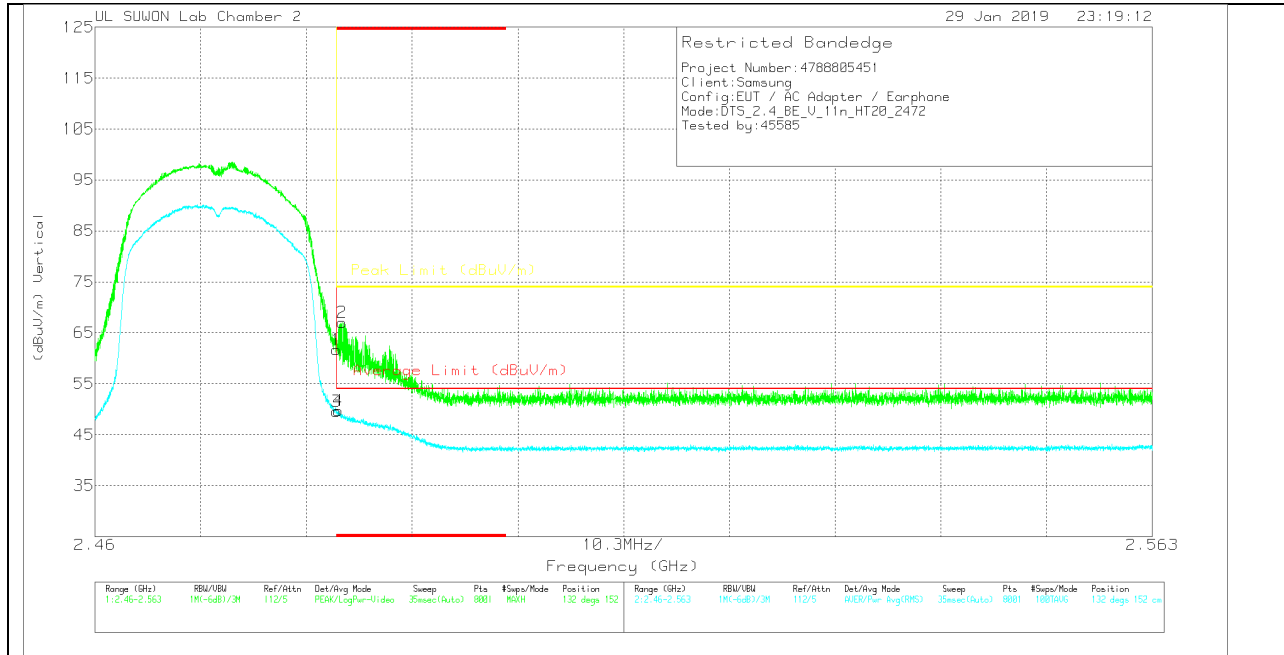
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	46.75	Pk	31.9	-20.6	0	58.05	-	-	74	-15.95	123	222	H
2	* 2.484	52.86	PK	31.9	-20.6	0	64.16	-	-	74	-9.84	123	222	H
3	* 2.484	35.61	RMS	31.9	-20.6	.13	47.04	54	-6.96	-	-	123	222	H
4	* 2.484	36.07	RMS	31.9	-20.6	.13	47.5	54	-6.5	-	-	123	222	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.43	Pk	31.9	-20.6	0	61.73	-	-	74	-12.27	132	152	V
2	* 2.484	55.73	Pk	31.9	-20.6	0	67.03	-	-	74	-6.97	132	152	V
3	* 2.484	38.17	RMS	31.9	-20.6	.13	49.6	54	-4.4	-	-	132	152	V
4	* 2.484	38.28	RMS	31.9	-20.6	.13	49.71	54	-4.29	-	-	132	152	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

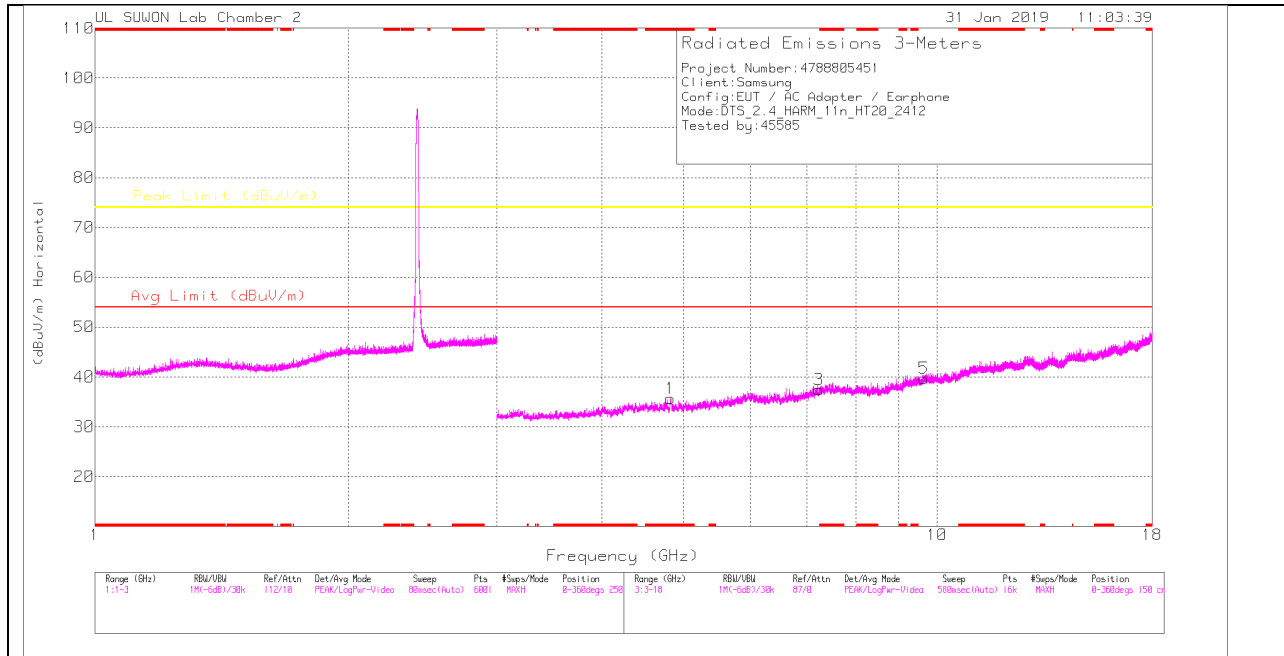
Pk - Peak detector

RMS - RMS detection

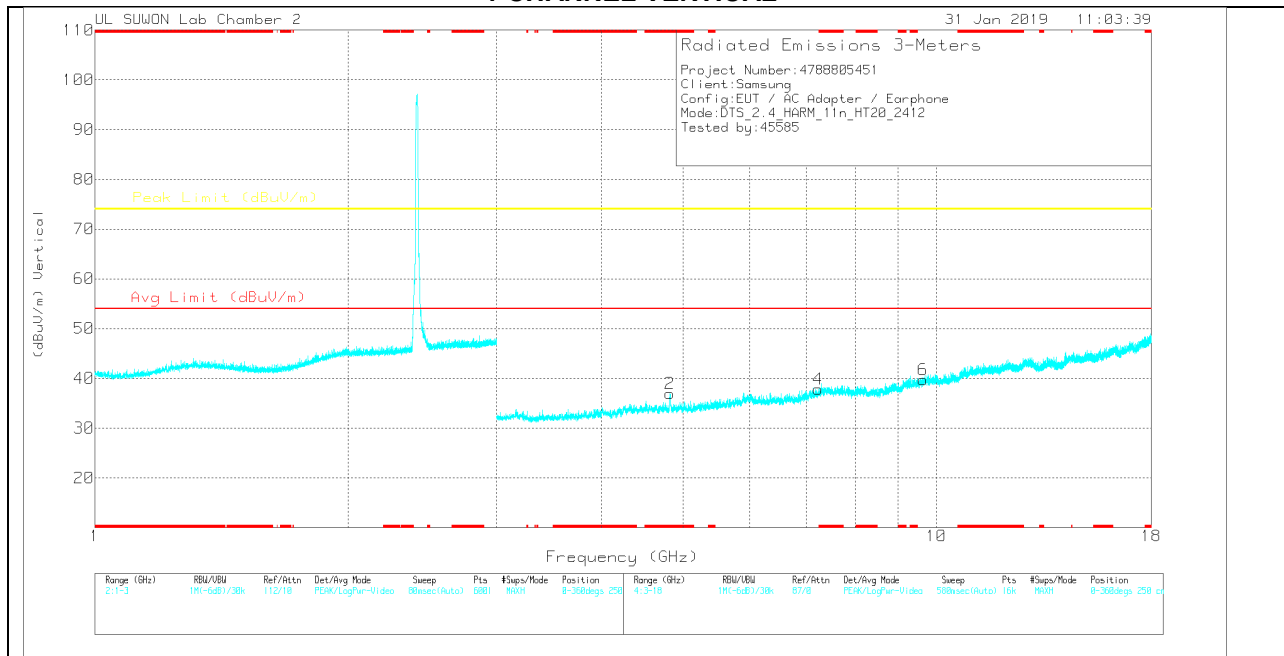


### HARMONICS AND SPURIOUS EMISSIONS

#### 1 CHANNEL HORIZONTAL



#### 1 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.

**1 CHANNEL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.825	29.86	PK	34	-28.2	0	35.66	-	-	74	-38.34	0-360	250	H
3	7.236	26.83	PK	36.1	-25.5	0	37.43	-	-	74	-36.57	0-360	250	H
5	9.646	24.39	PK	37	-21.7	0	39.69	-	-	74	-34.31	0-360	150	H
2	* 4.824	31.02	PK	34	-28.1	0	36.92	-	-	74	-37.08	0-360	250	V
4	7.239	27.22	PK	36.1	-25.5	0	37.82	-	-	74	-36.18	0-360	250	V
6	9.642	24.35	PK	37	-21.6	0	39.75	-	-	74	-34.25	0-360	250	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

**Radiated Emissions**

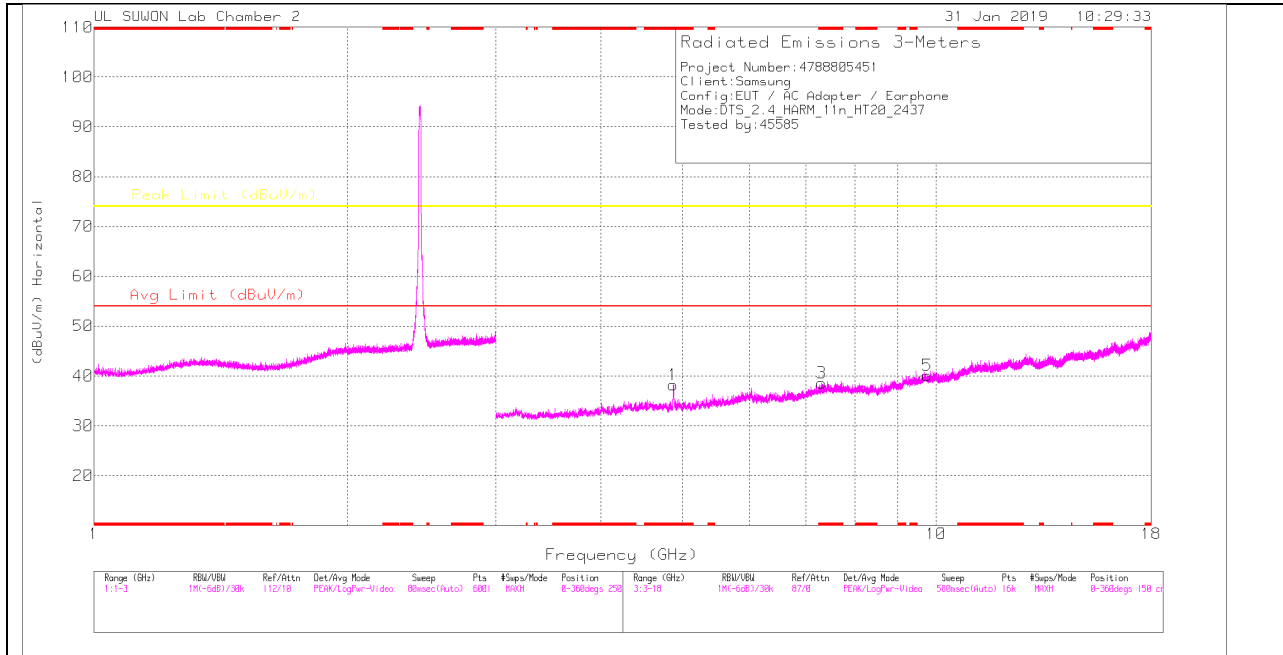
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82	38.91	PK2	34	-28.1	0	44.81	-	-	74	-29.19	224	159	H
* 4.825	27.23	MAv1	34	-28.2	.13	33.16	54	-20.84	-	-	224	159	H
* 4.822	40.98	PK2	34	-28.2	0	46.78	-	-	74	-27.22	199	217	V
* 4.825	30.03	MAv1	34	-28.2	.13	35.96	54	-18.04	-	-	199	217	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

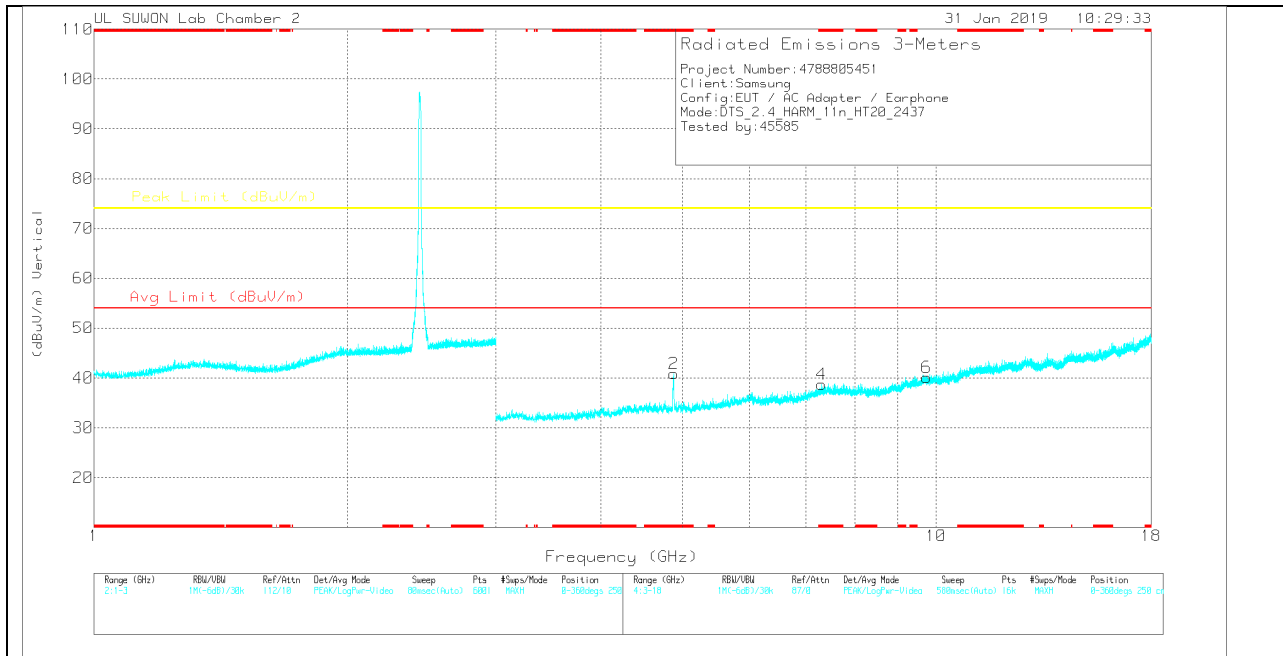
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

6 CHANNEL HORIZONTAL



6 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.

**6 CHANNEL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.873	32.22	PK	34	-28	0	38.22	-	-	74	-35.78	0-360	150	H
3	* 7.304	27.54	PK	36.2	-25.1	0	38.64	-	-	74	-35.36	0-360	150	H
5	9.751	24.4	PK	37.2	-21.5	0	40.1	-	-	74	-33.9	0-360	250	H
2	* 4.877	34.77	PK	34	-27.9	0	40.87	-	-	74	-33.13	0-360	250	V
4	* 7.311	27.53	PK	36.2	-25	0	38.73	-	-	74	-35.27	0-360	150	V
6	9.747	24.3	PK	37.2	-21.4	0	40.1	-	-	74	-33.9	0-360	150	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

**Peak Detector**

**Radiated Emissions**

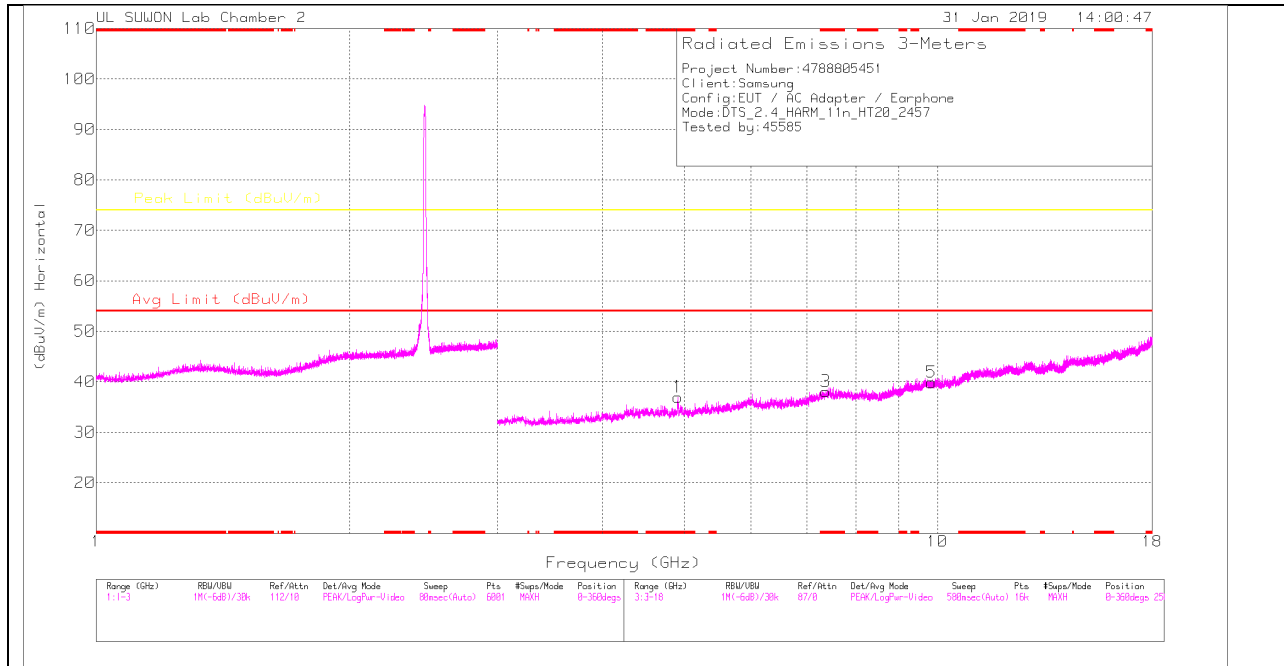
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.874	41.17	PK2	34	-28	0	47.17	-	-	74	-26.83	224	156	H
* 4.875	29.21	MAv1	34	-27.9	.13	35.44	54	-18.56	-	-	224	156	H
* 4.874	44.26	PK2	34	-28	0	50.26	-	-	74	-23.74	199	252	V
* 4.875	32.44	MAv1	34	-27.9	.13	38.67	54	-15.33	-	-	199	252	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

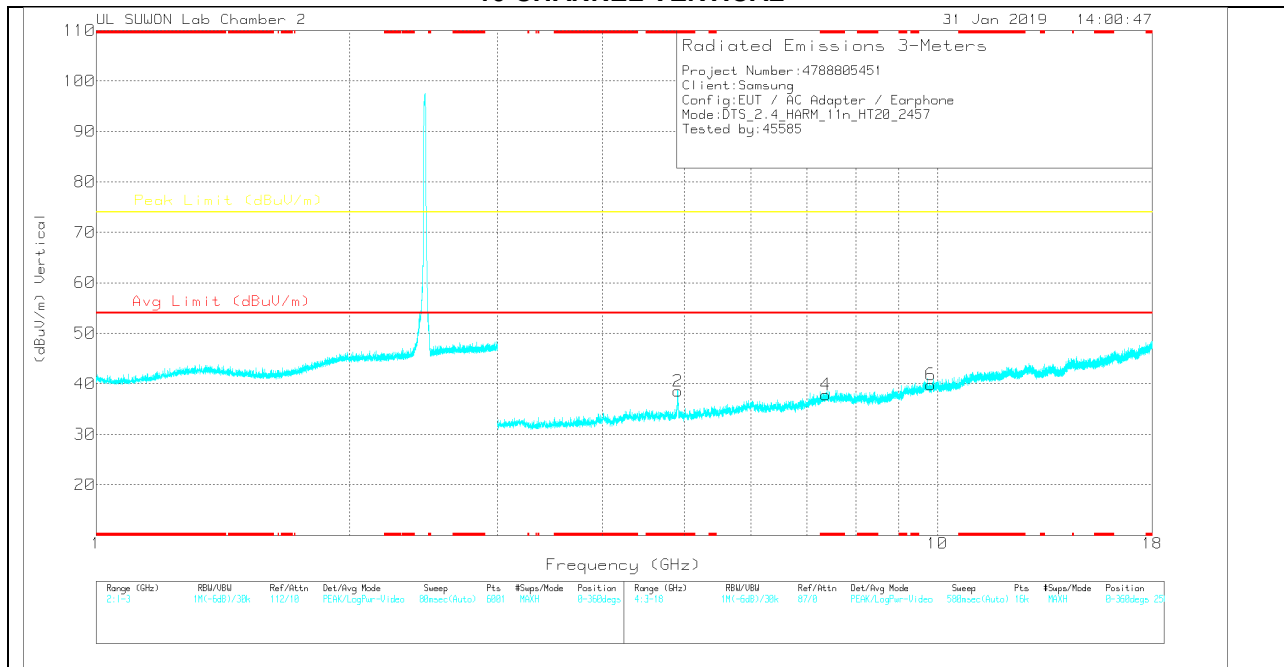
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 10 CHANNEL HORIZONTAL



### 10 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.

**10 CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.912	30.26	PK	34	-27.3	0	36.96	-	-	74	-37.04	0-360	250	H
3	* 7.367	26.28	PK	36.2	-24.4	0	38.08	-	-	74	-35.92	0-360	250	H
5	9.833	24.48	PK	37.3	-21.9	0	39.88	-	-	74	-34.12	0-360	250	H
2	* 4.916	31.86	PK	34	-27.3	0	38.56	-	-	74	-35.44	0-360	250	V
4	* 7.369	26.04	PK	36.2	-24.4	0	37.84	-	-	74	-36.16	0-360	250	V
6	9.825	24.42	PK	37.3	-21.9	0	39.82	-	-	74	-34.18	0-360	250	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

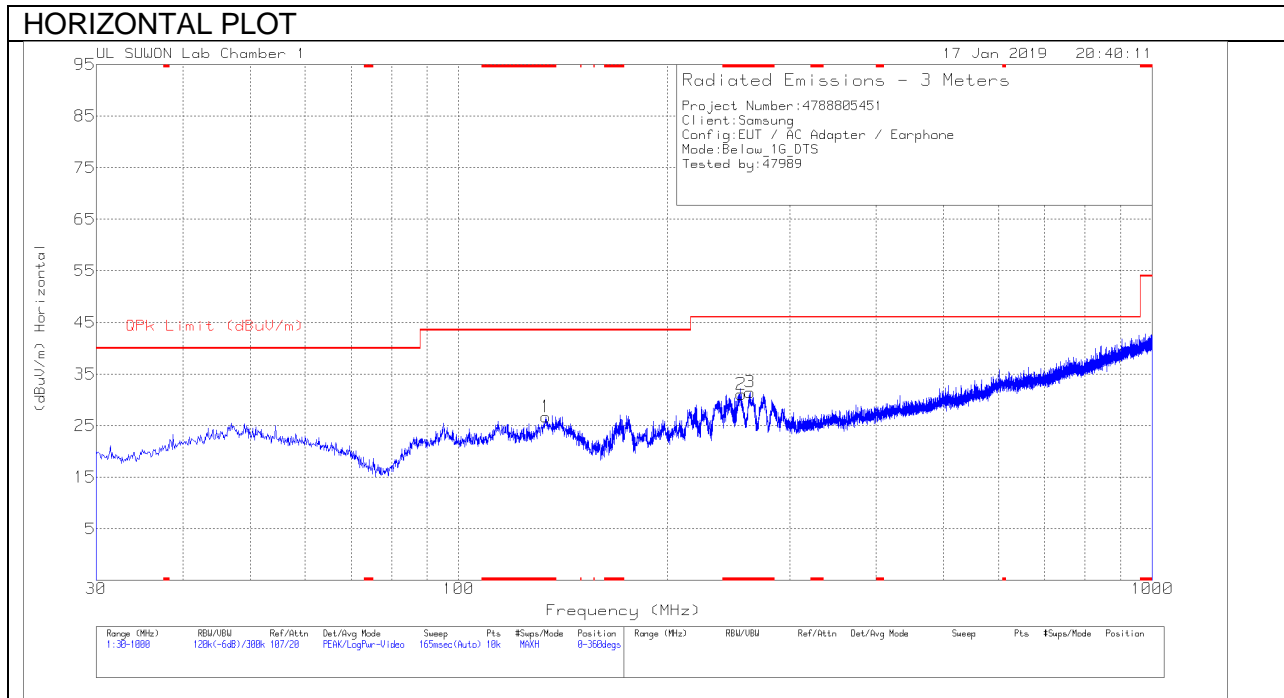
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.912	41.69	PK2	34	-27.4	0	48.29	-	-	74	-25.71	203	262	V
* 4.913	29.12	MAv1	34	-27.4	.13	35.85	54	-18.15	-	-	203	262	V
* 4.912	39.44	PK2	34	-27.4	0	46.04	-	-	74	-27.96	230	152	H
* 4.912	27.25	MAv1	34	-27.4	.13	33.98	54	-20.02	-	-	230	152	H

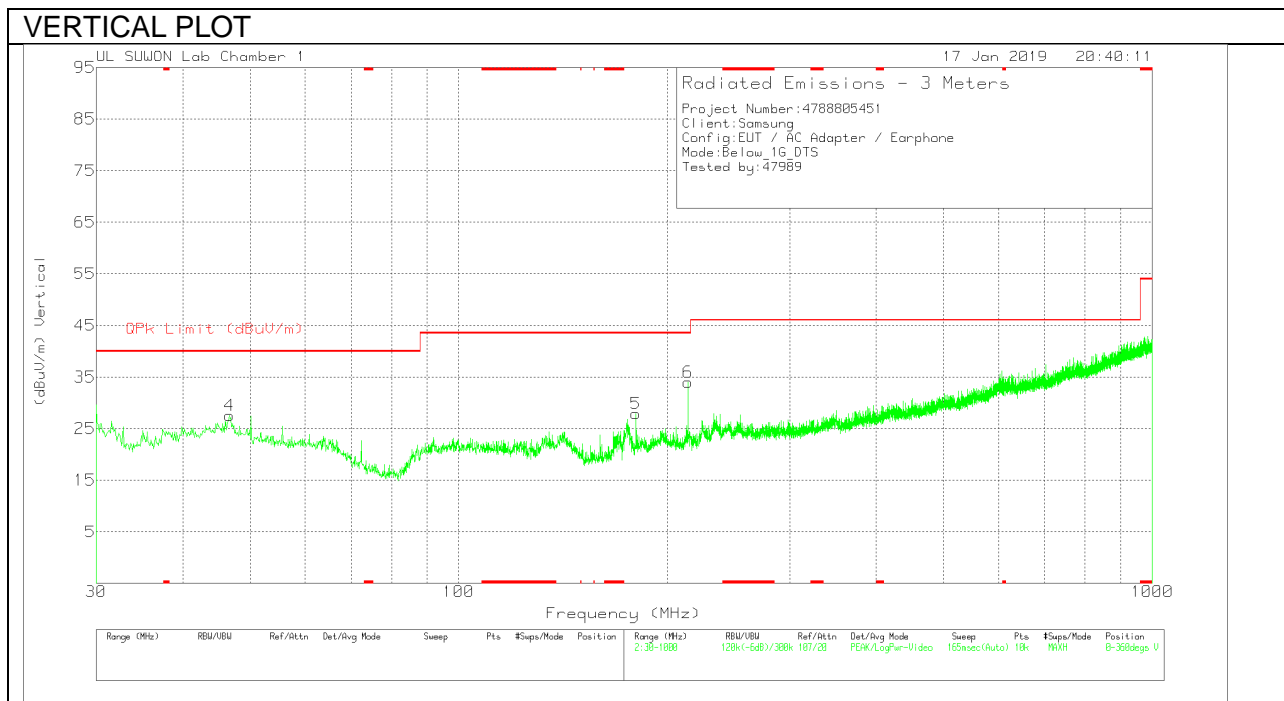
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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**

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 133.499	41.72	Pk	14.2	-29.2	26.72	43.52	-16.8	0-360	200	H
2	* 255.428	39.91	Pk	19.2	-28	31.11	46.02	-14.91	0-360	100	H
3	* 262.994	40.69	Pk	18.7	-27.9	31.49	46.02	-14.53	0-360	100	H
4	46.684	38.45	Pk	19.7	-30.6	27.55	40	-12.45	0-360	100	V
5	180.156	41	Pk	15.6	-28.7	27.9	43.52	-15.62	0-360	100	V
6	214.009	45.3	Pk	17.1	-28.4	34	43.52	-9.52	0-360	100	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 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.

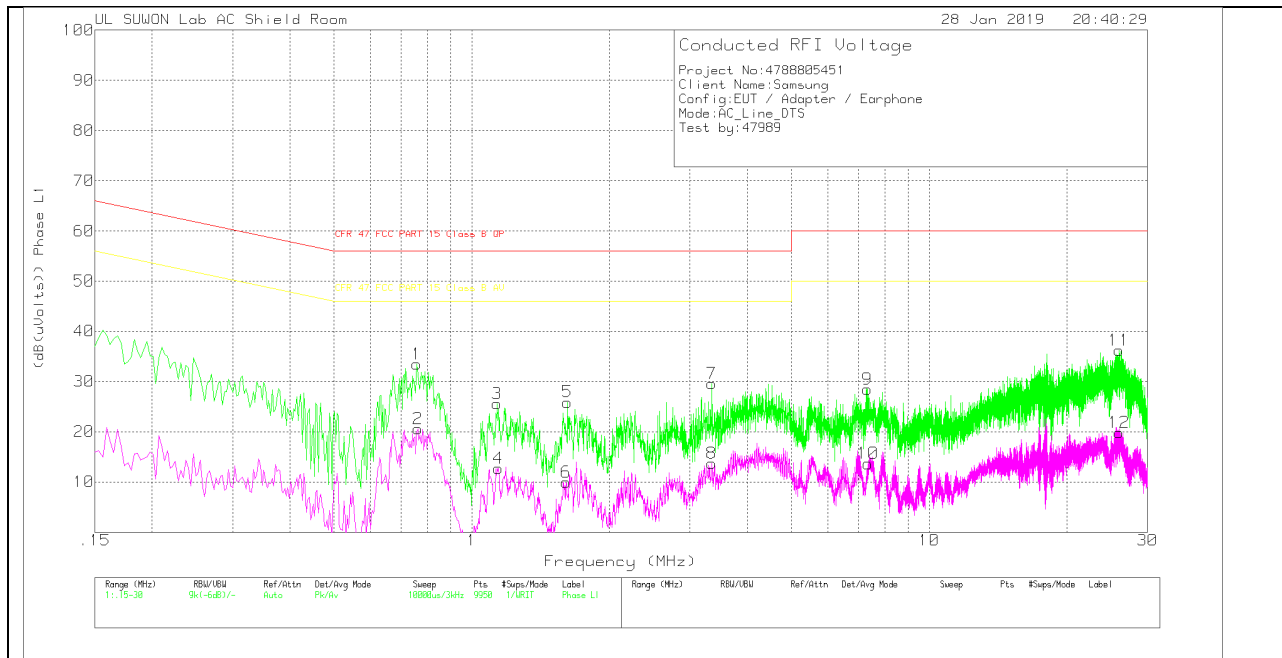
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise Vnoted as quasi-peak or average.

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

**RESULTS**

**WORST EMISSIONS**

**LINE 1 PLOT**



**LINE 1 RESULTS**

**Trace Markers**

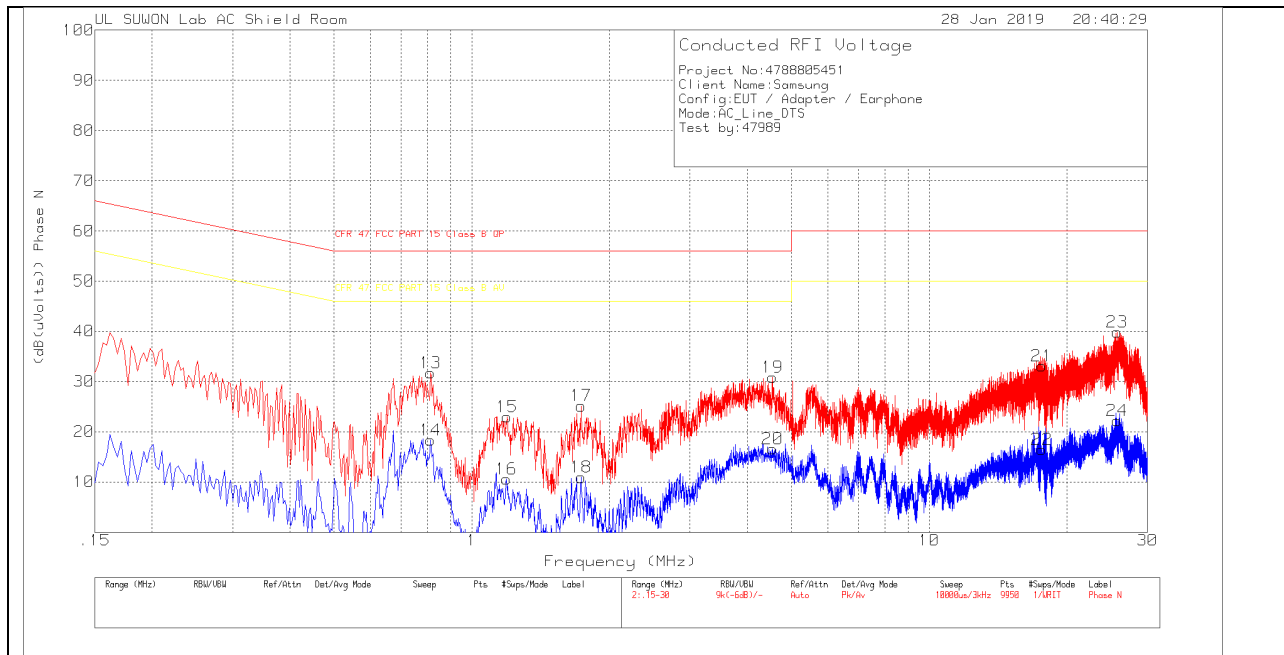
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_10183 6_With ex-cord_L1	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.759	23.36	Pk	9.9	.2	33.46	56	-22.54	-	-
2	.762	10.47	Av	9.9	.2	20.57	-	-	46	-25.43
3	1.137	15.45	Pk	9.8	.3	25.55	56	-30.45	-	-
4	1.143	2.58	Av	9.8	.3	12.68	-	-	46	-33.32
5	1.62	15.81	Pk	9.8	.3	25.91	56	-30.09	-	-
6	1.608	-11	Av	9.8	.3	9.99	-	-	46	-36.01
7	3.348	19.4	Pk	9.9	.3	29.6	56	-26.4	-	-
8	3.348	3.48	Av	9.9	.3	13.68	-	-	46	-32.32
9	7.332	18.31	Pk	9.9	.3	28.51	60	-31.49	-	-
10	7.35	3.45	Av	9.9	.3	13.65	-	-	50	-36.35
11	25.992	25.26	Pk	10.7	.3	36.26	60	-23.74	-	-
12	25.992	8.81	Av	10.7	.3	19.81	-	-	50	-30.19

Pk - Peak detector

Av - Average detection

**LINE 2 PLOT**



**LINE 2 RESULTS**

**Trace Markers**

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_10183 6_With ex-cord_N	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
13	.813	21.7	Pk	9.8	.2	31.7	56	-24.3	-	-
14	.813	8.33	Av	9.8	.2	18.33	-	-	46	-27.67
15	1.194	12.82	Pk	9.8	.3	22.92	56	-33.08	-	-
16	1.191	.44	Av	9.8	.3	10.54	-	-	46	-35.46
17	1.734	15.16	Pk	9.7	.3	25.16	56	-30.84	-	-
18	1.734	.9	Av	9.7	.3	10.9	-	-	46	-35.1
19	4.539	20.77	Pk	9.8	.3	30.87	56	-25.13	-	-
20	4.539	6.46	Av	9.8	.3	16.56	-	-	46	-29.44
21	17.643	22.29	Pk	10.4	.4	33.09	60	-26.91	-	-
22	17.64	5.66	Av	10.4	.4	16.46	-	-	50	-33.54
23	25.77	28.74	Pk	10.8	.3	39.84	60	-20.16	-	-
24	25.737	11.11	Av	10.8	.3	22.21	-	-	50	-27.79

Pk - Peak detector

Av - Average detection