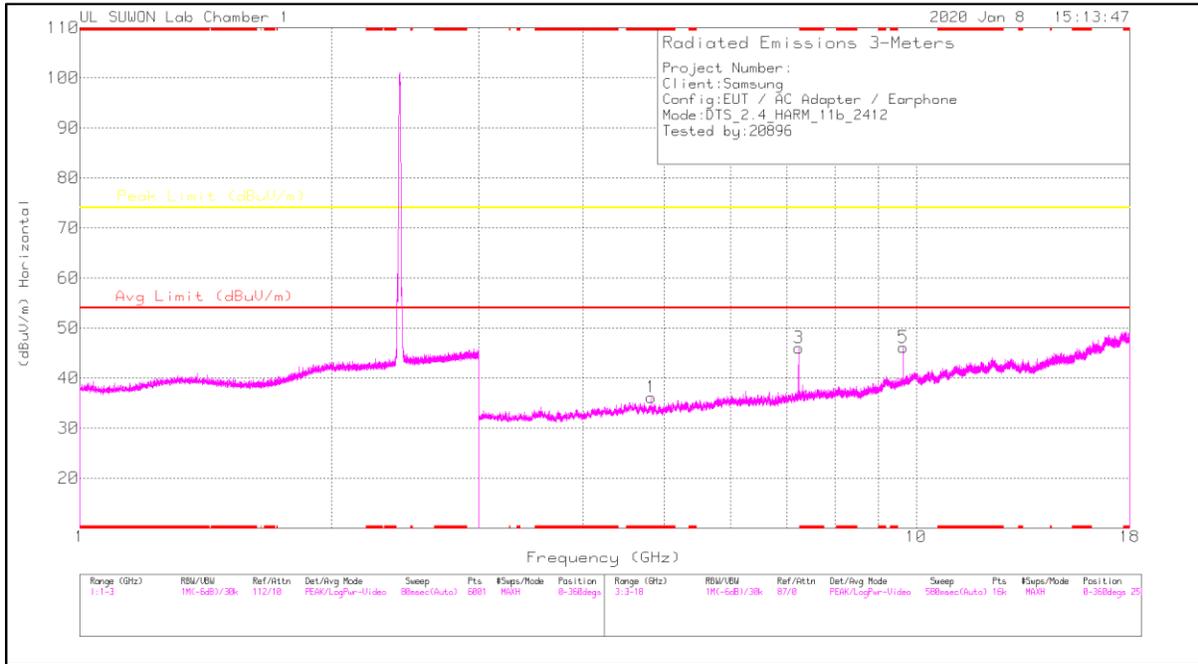
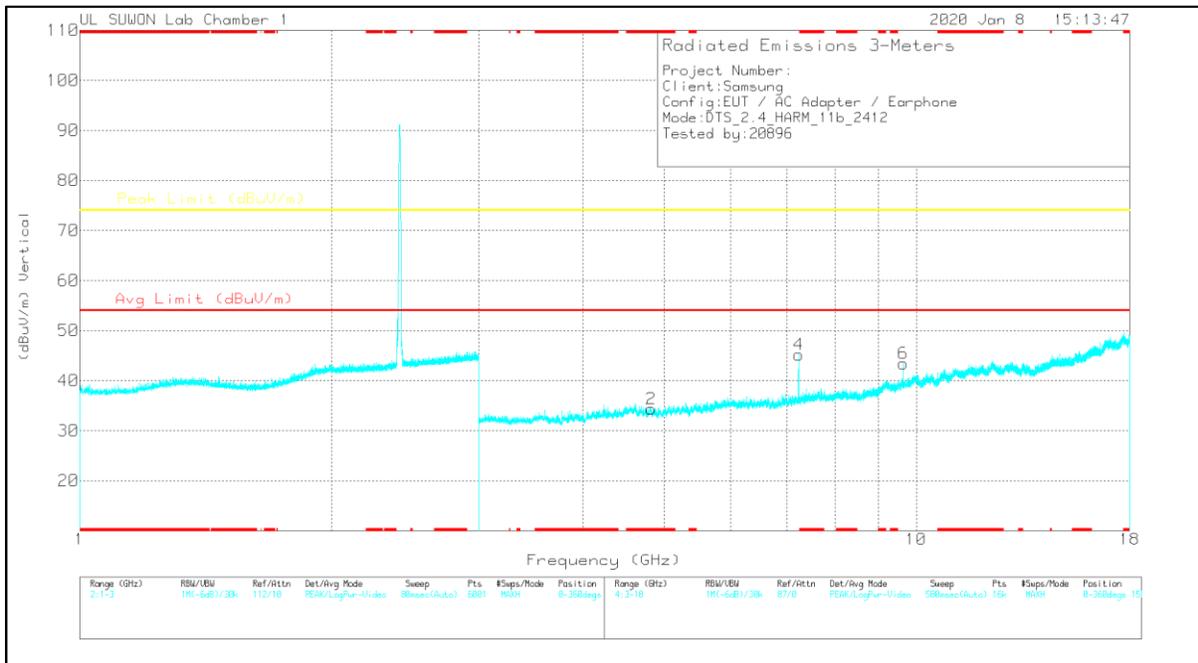


# HARMONICS AND SPURIOUS EMISSIONS

## 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**

**Radiated Emissions**

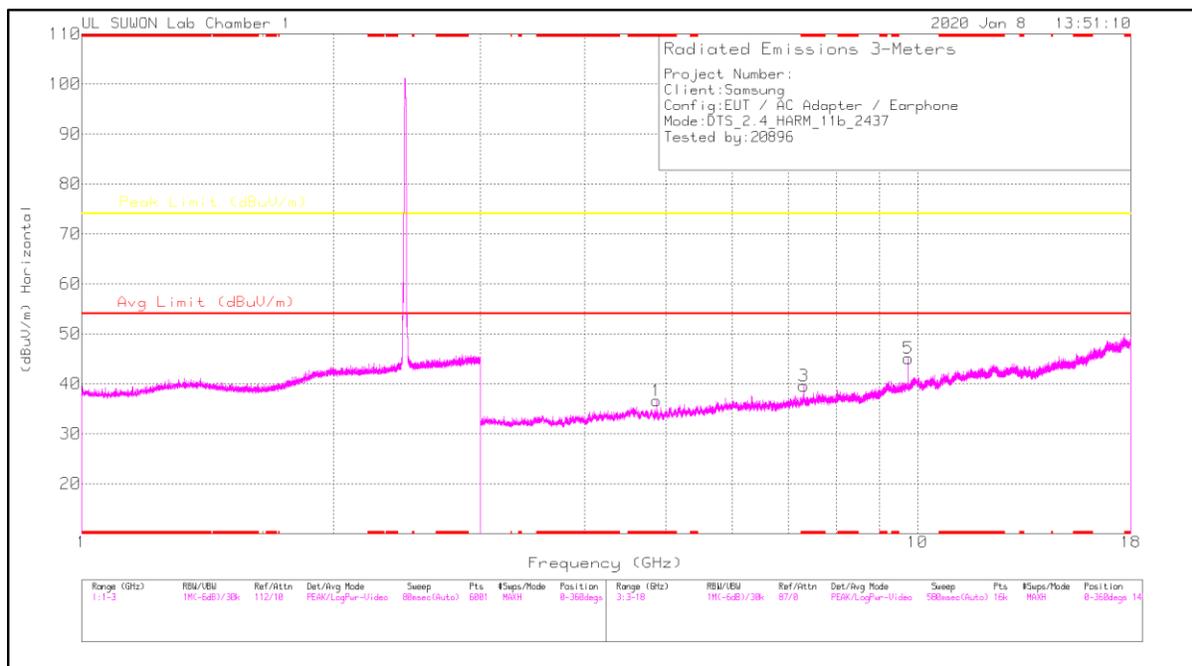
	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82408	41.92	PK2	34.2	-31.6	0	44.52	-	-	74	-29.48	59	100	H
* 4.82398	33.82	MAv1	34.2	-31.6	0	36.42	54	-17.58	-	-	59	100	H
* 4.82362	41.45	PK2	34.2	-31.6	0	44.05	-	-	74	-29.95	120	378	V
* 4.82402	32.57	MAv1	34.2	-31.6	0	35.17	54	-18.83	-	-	120	378	V
7.23682	44.15	PK2	35.8	-27.8	0	52.15	-	-	74	-21.85	317	100	H
7.23652	44.34	PK2	35.8	-27.8	0	52.34	-	-	74	-21.66	110	389	V
9.64799	38.25	PK2	37.1	-23.5	0	51.85	-	-	74	-22.15	289	104	H
9.64797	37.37	PK2	37.1	-23.5	0	50.97	-	-	74	-23.03	197	119	V

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

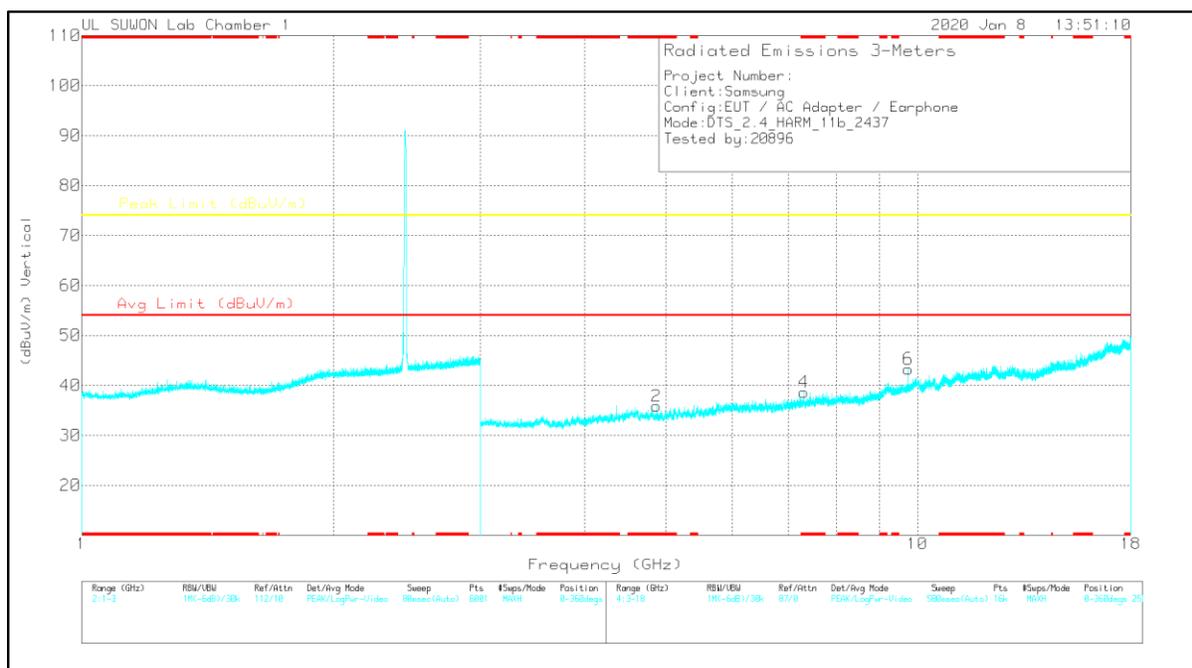
PK2 - KDB558074 Method: Maximum Peak

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**

**Radiated Emissions**

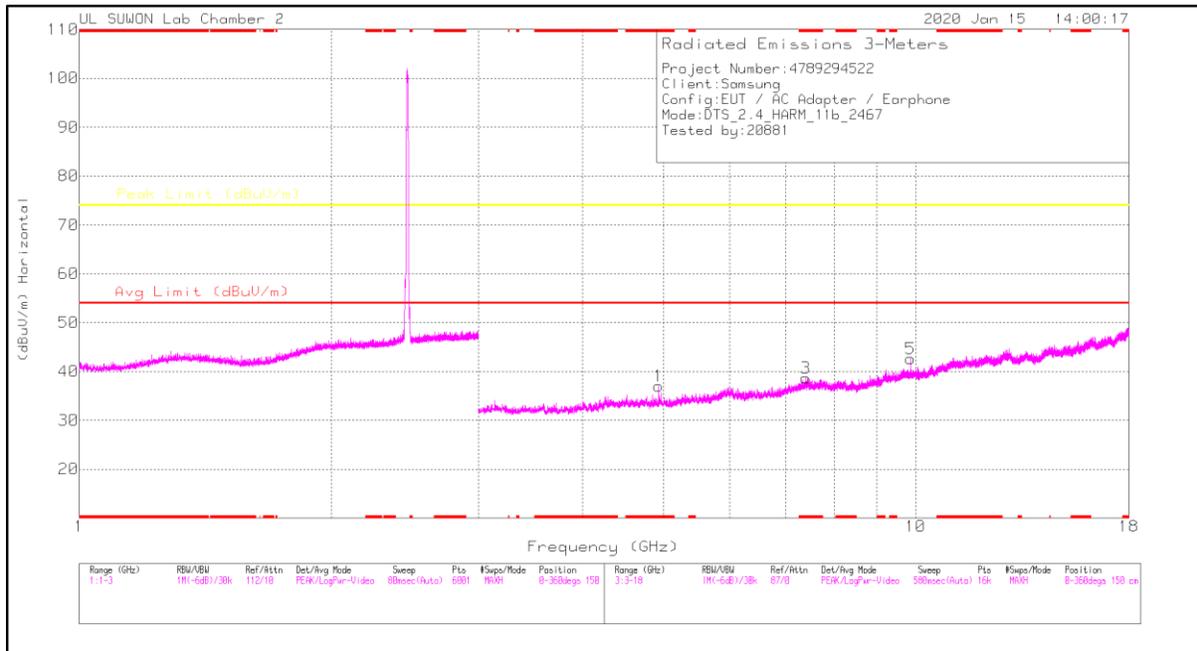
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87394	42.73	PK2	34.2	-31.6	0	45.33	-	-	74	-28.67	72	114	H
* 4.87394	34.95	MAv1	34.2	-31.6	0	37.55	54	-16.45	-	-	72	114	H
* 4.87406	41.48	PK2	34.2	-31.6	0	44.08	-	-	74	-29.92	192	370	V
* 4.8739	32.3	MAv1	34.2	-31.6	0	34.9	54	-19.1	-	-	192	370	V
* 7.30966	39.58	PK2	35.8	-27.5	0	47.88	-	-	74	-26.12	315	111	H
* 7.31018	29.39	MAv1	35.8	-27.5	0	37.69	54	-16.31	-	-	315	111	H
* 7.30798	38.69	PK2	35.8	-27.6	0	46.89	-	-	74	-27.11	129	293	V
* 7.31018	28.33	MAv1	35.8	-27.5	0	36.63	54	-17.37	-	-	129	293	V
9.74806	38.02	PK2	37.2	-23.8	0	51.42	-	-	74	-22.58	286	100	H
9.74794	36.48	PK2	37.2	-23.8	0	49.88	-	-	74	-24.12	206	100	V

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

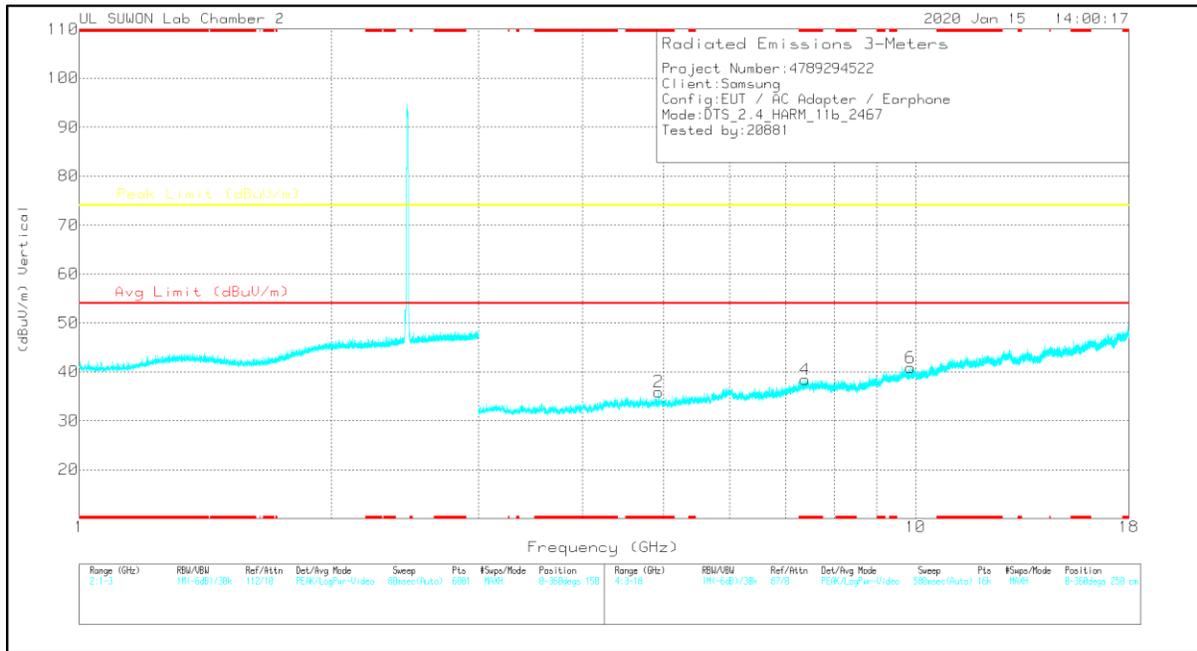
PK2 - KDB558074 Method: Maximum Peak

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**

**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
* 4.93392	37.89	PK2	34.1	-27.1	0	44.89	-	-	74	-29.11	71	108	H
* 4.93396	29.71	MAv1	34.1	-27.1	0	36.71	54	-17.29	-	-	71	108	H
* 4.93418	37.3	PK2	34.1	-27.1	0	44.3	-	-	74	-29.7	114	393	V
* 4.93394	28.22	MAv1	34.1	-27.1	0	35.22	54	-18.78	-	-	114	393	V
* 7.39997	34.68	PK2	36.2	-24.1	0	46.78	-	-	74	-27.22	0	100	H
* 7.39925	34.19	PK2	36.2	-24.1	0	46.29	-	-	74	-27.71	0	100	V
9.86795	33.55	PK2	37.4	-21.4	0	49.55	-	-	74	-24.45	277	100	H
9.86823	32.91	PK2	37.4	-21.3	0	49.01	-	-	74	-24.99	253	104	V

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

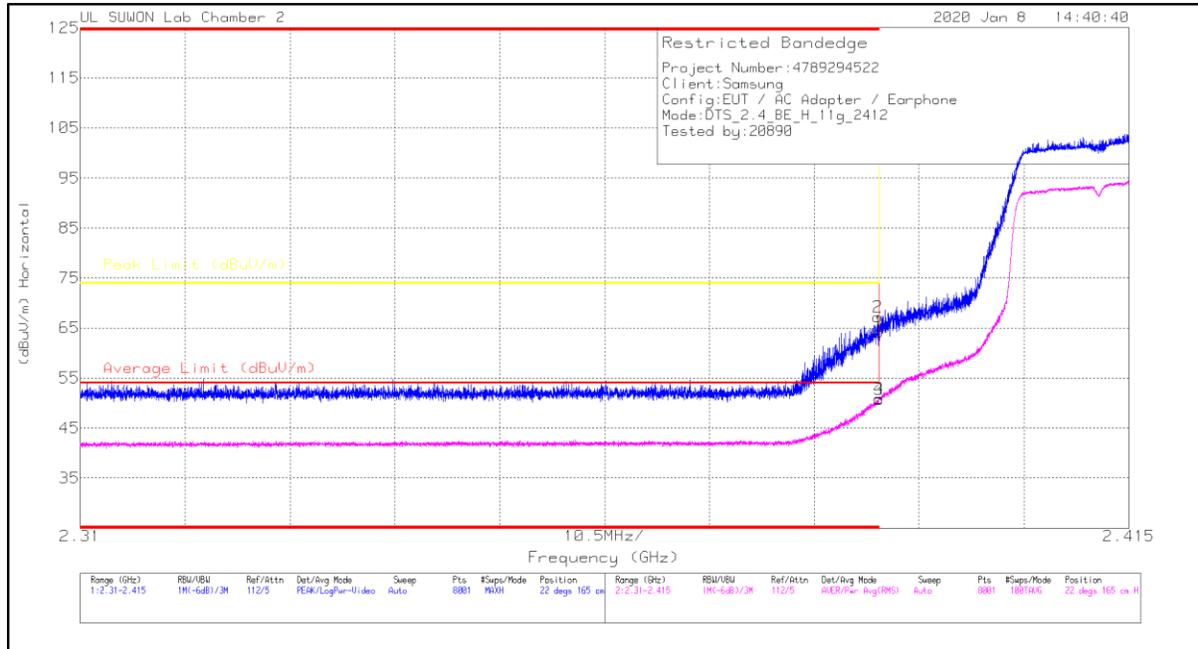
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

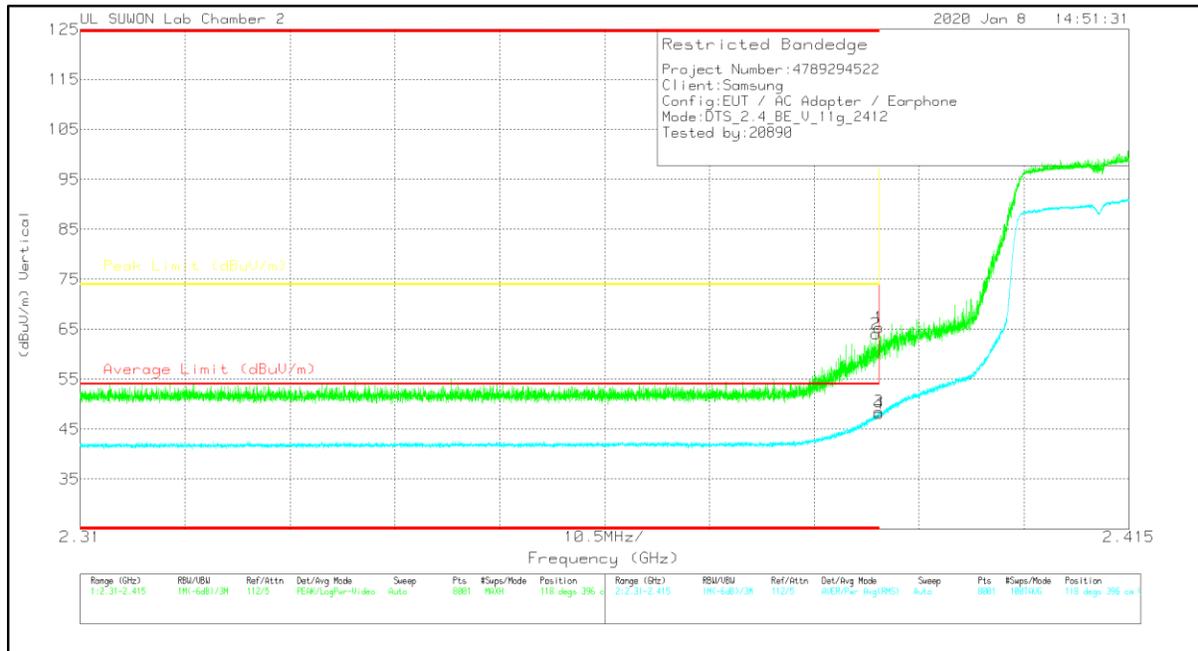
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.19	Pk	31.6	-20.6	0	64.19	-	-	74	-9.81	22	165	H
2	* 2.38983	56.23	Pk	31.6	-20.6	0	67.23	-	-	74	-6.77	22	165	H
3	* 2.39	39.66	RMS	31.6	-20.6	.15	50.81	54	-3.19	-	-	22	165	H
4	* 2.38996	39.73	RMS	31.6	-20.6	.15	50.88	54	-3.12	-	-	22	165	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_ATT(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	* 2.39	54.32	Pk	31.6	-20.6	0	65.32	-	-	74	-8.68	118	396	V
2	* 2.38966	53.06	Pk	31.6	-20.6	0	64.06	-	-	74	-9.94	118	396	V
3	* 2.39	37.36	RMS	31.6	-20.6	.15	48.51	54	-5.49	-	-	118	396	V
4	* 2.38998	36.95	RMS	31.6	-20.6	.15	48.1	54	-5.9	-	-	118	396	V

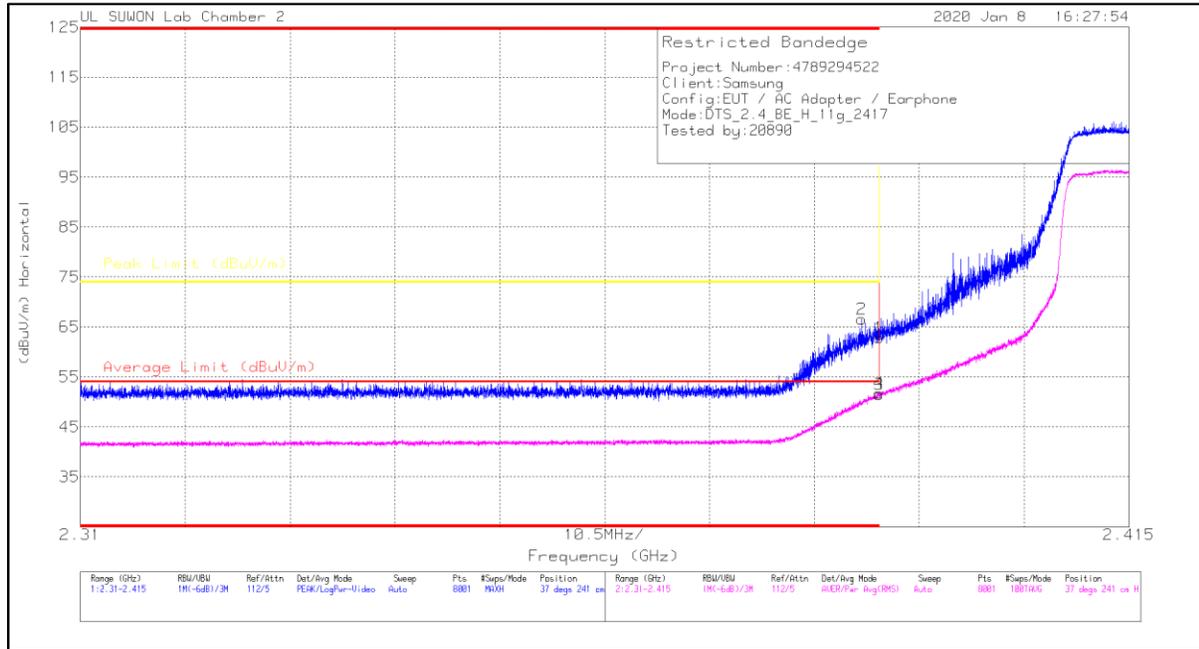
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (2 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

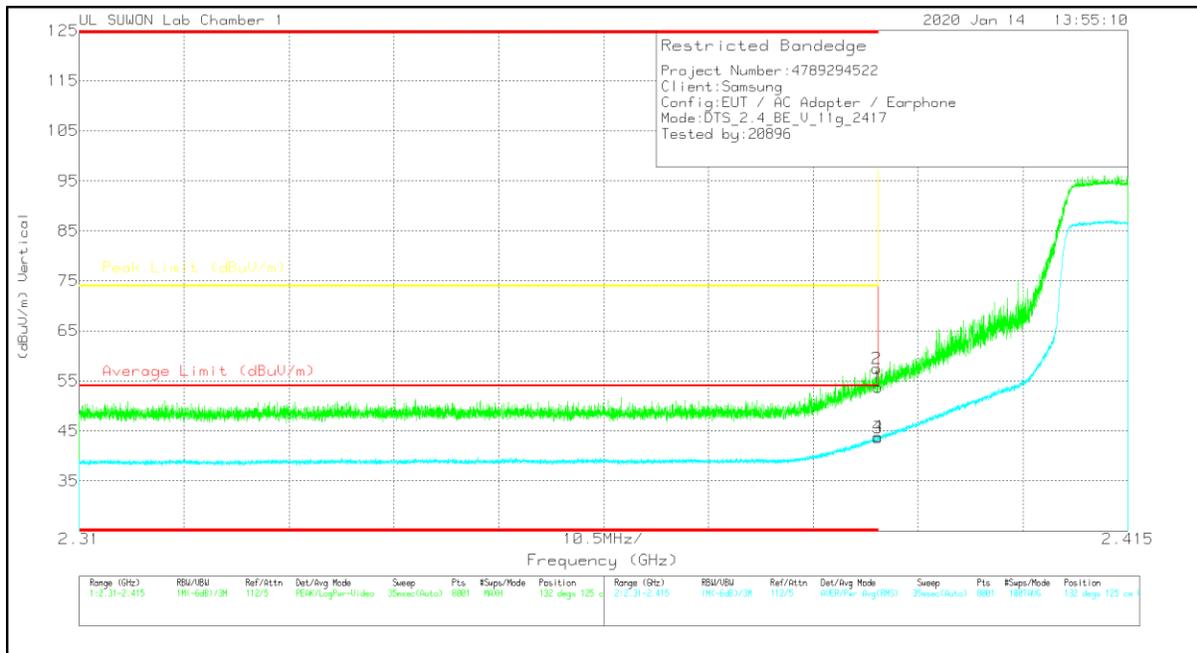
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.86	Pk	31.6	-20.6	0	62.86	-	-	74	-11.14	37	241	H
2	* 2.38825	55.55	Pk	31.6	-20.6	0	66.55	-	-	74	-7.45	37	241	H
3	* 2.39	40.3	RMS	31.6	-20.6	.15	51.45	54	-2.55	-	-	37	241	H
4	* 2.38996	40.55	RMS	31.6	-20.6	.15	51.7	54	-2.3	-	-	37	241	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_00168717	10dB_ATT[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	* 2.39	47.51	Pk	31.7	-25.5	0	53.71	-	-	74	-20.29	132	125	V
2	* 2.38985	51.25	Pk	31.7	-25.5	0	57.45	-	-	74	-16.55	132	125	V
3	* 2.39	37.33	RMS	31.7	-25.5	.15	43.68	54	-10.32	-	-	132	125	V
4	* 2.38996	37.51	RMS	31.7	-25.5	.15	43.86	54	-10.14	-	-	132	125	V

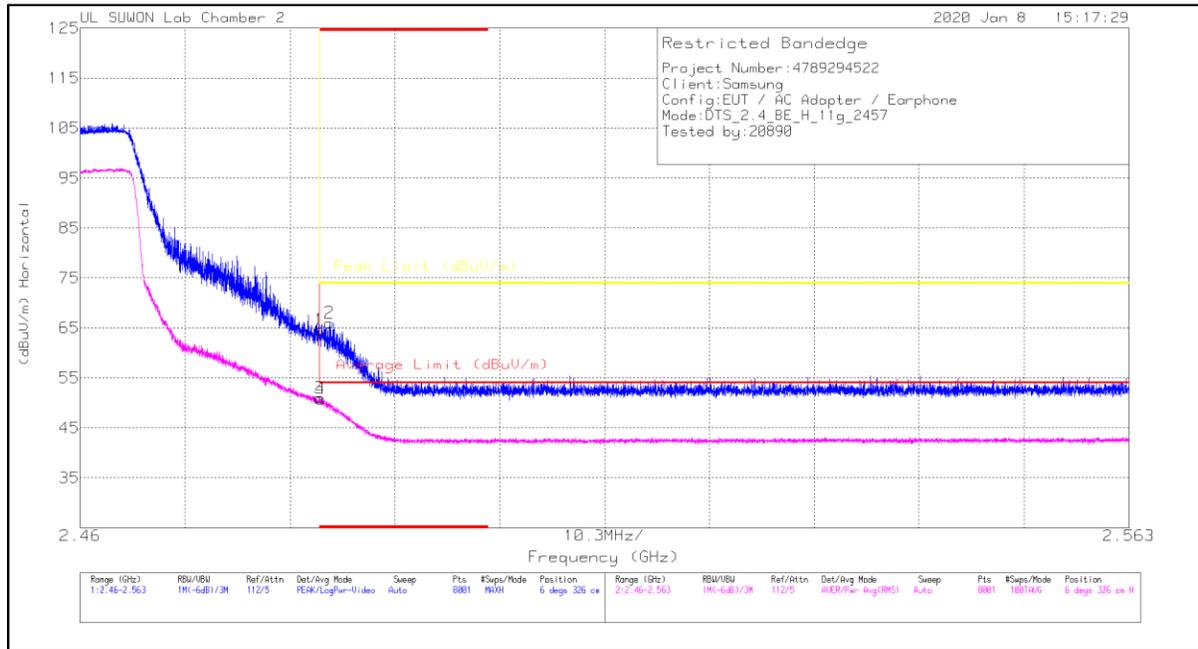
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (10 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

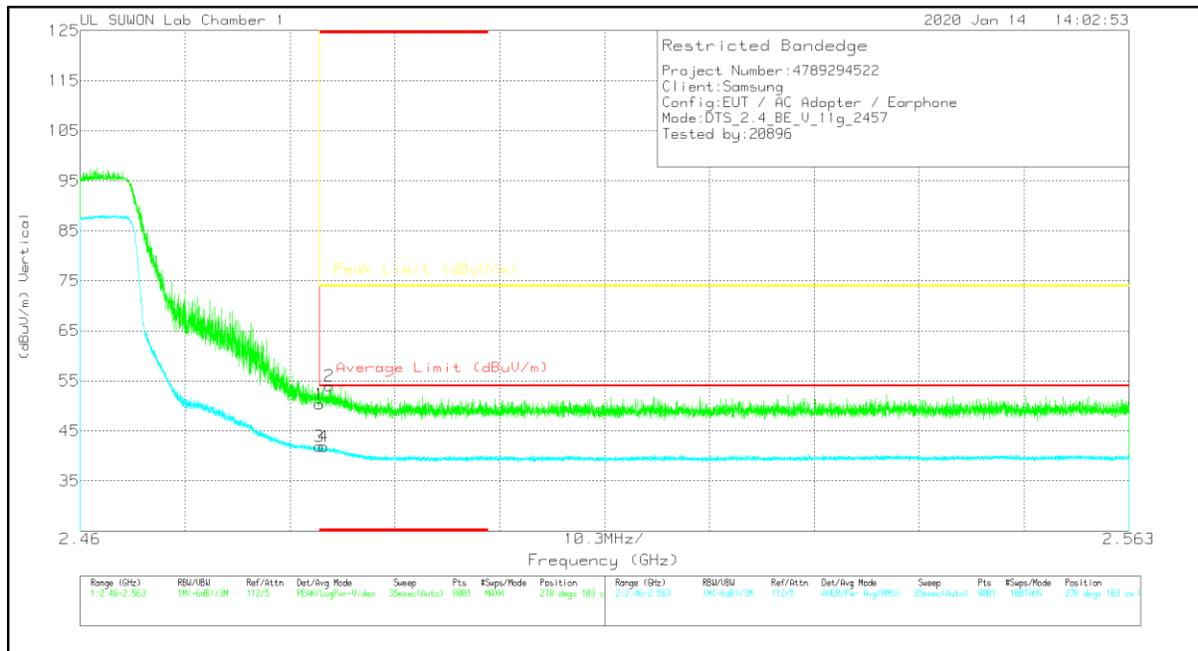
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	53.25	Pk	31.9	-20.4	0	64.75	-	-	74	-9.25	6	326	H
2	* 2.48449	54.52	Pk	31.9	-20.4	0	66.02	-	-	74	-7.98	6	326	H
3	* 2.48351	39.37	RMS	31.9	-20.4	.15	51.02	54	-2.98	-	-	6	326	H
4	* 2.48363	39.17	RMS	31.9	-20.4	.15	50.82	54	-3.18	-	-	6	326	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_00168717	10dB_ATT[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	* 2.48351	43.64	Pk	31.9	-25.2	0	50.34	-	-	74	-23.66	278	103	V
2	* 2.48448	47.34	Pk	31.9	-25.2	0	54.04	-	-	74	-19.96	278	103	V
3	* 2.48351	35.05	RMS	31.9	-25.2	.15	41.9	54	-12.1	-	-	278	103	V
4	* 2.4839	35.01	RMS	31.9	-25.2	.15	41.86	54	-12.14	-	-	278	103	V

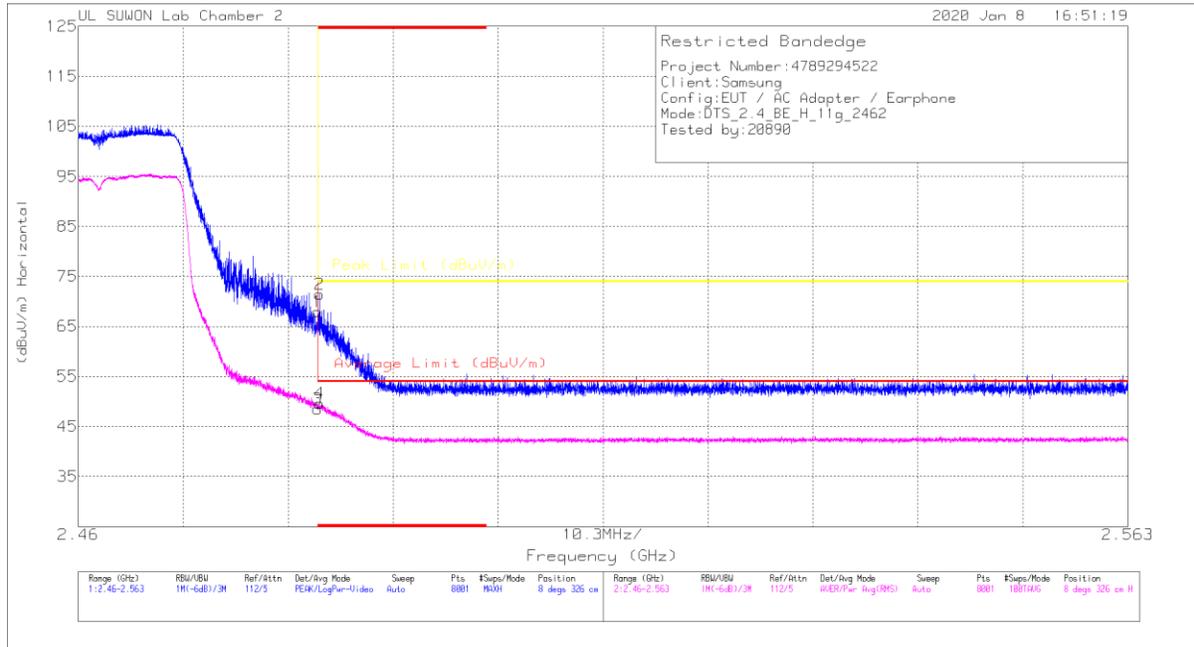
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (11 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

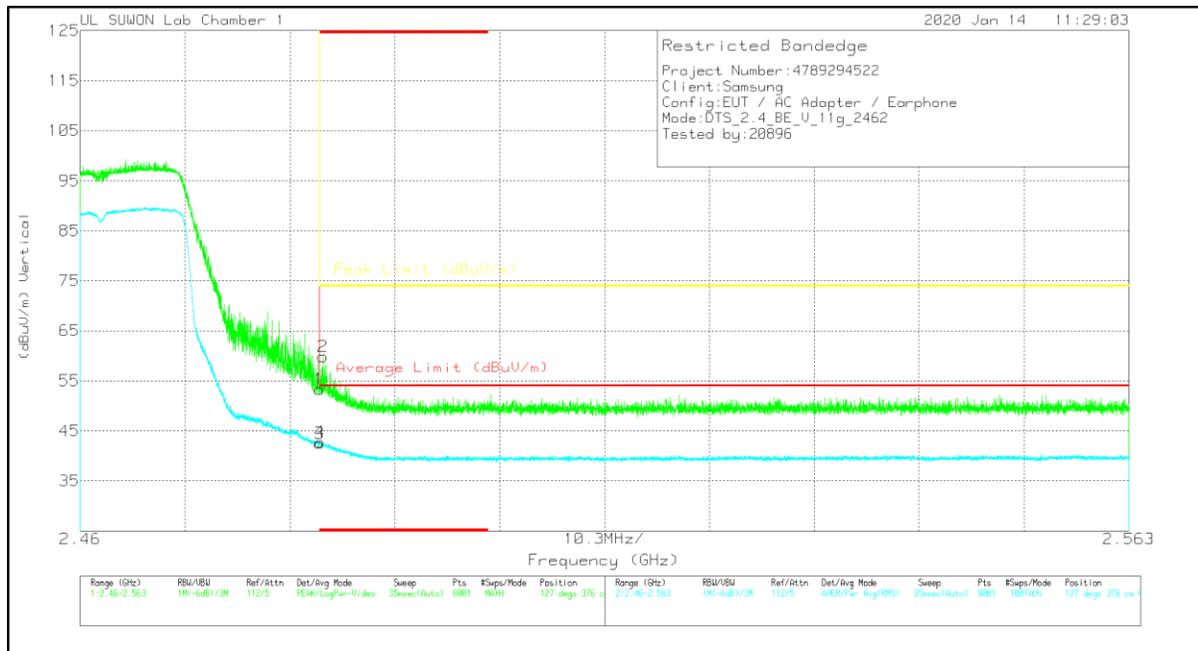
Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	56.5	Pk	31.9	-20.4	0	68	-	-	74	-6	8	326	H
2	* 2.48365	59.99	Pk	31.9	-20.4	0	71.49	-	-	74	-2.51	8	326	H
3	* 2.48351	36.81	RMS	31.9	-20.4	15	48.46	54	-5.54	-	-	8	326	H
4	* 2.48368	37.95	RMS	31.9	-20.4	15	49.6	54	-4.4	-	-	8	326	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_00168717	10dB_ATT[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	* 2.48351	46.72	Pk	31.9	-25.2	0	53.42	-	-	74	-20.58	127	376	V
2	* 2.48383	53.1	Pk	31.9	-25.2	0	59.8	-	-	74	-14.2	127	376	V
3	* 2.48351	35.65	RMS	31.9	-25.2	.15	42.5	54	-11.5	-	-	127	376	V
4	* 2.48357	35.92	RMS	31.9	-25.2	.15	42.77	54	-11.23	-	-	127	376	V

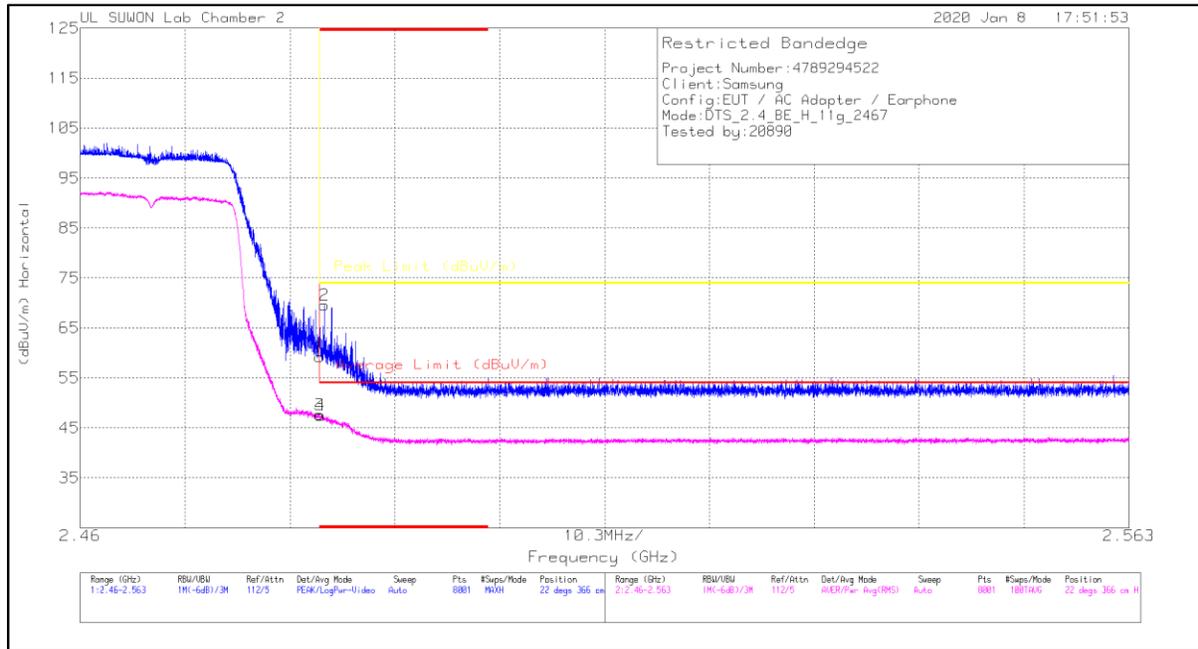
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (12 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

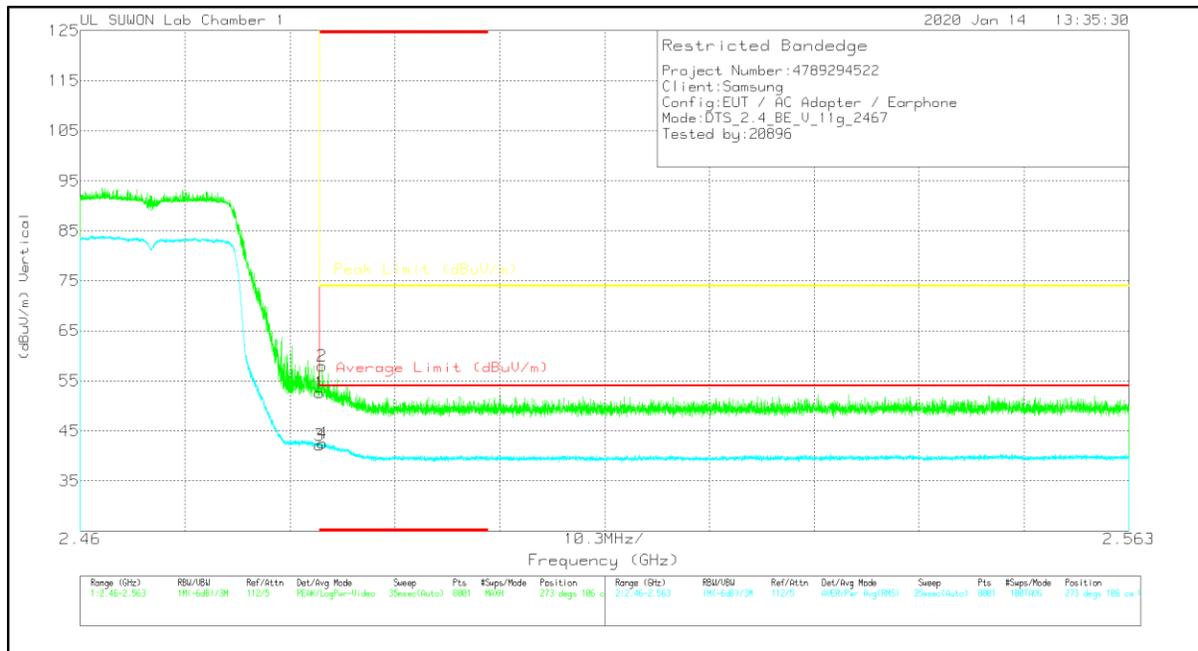
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	47.75	Pk	31.9	-20.4	0	59.25	-	-	74	-14.75	22	366	H
2	* 2.48399	58.12	Pk	31.9	-20.4	0	69.62	-	-	74	-4.38	22	366	H
3	* 2.48351	35.97	RMS	31.9	-20.4	.15	47.62	54	-6.38	-	-	22	366	H
4	* 2.48359	35.92	RMS	31.9	-20.4	.15	47.57	54	-6.43	-	-	22	366	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_00168717	10dB_ATT[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	* 2.48351	45.89	Pk	31.9	-25.2	0	52.59	-	-	74	-21.41	273	106	V
2	* 2.48375	51.26	Pk	31.9	-25.2	0	57.96	-	-	74	-16.04	273	106	V
3	* 2.48351	35.28	RMS	31.9	-25.2	.15	42.13	54	-11.87	-	-	273	106	V
4	* 2.48379	35.69	RMS	31.9	-25.2	.15	42.54	54	-11.46	-	-	273	106	V

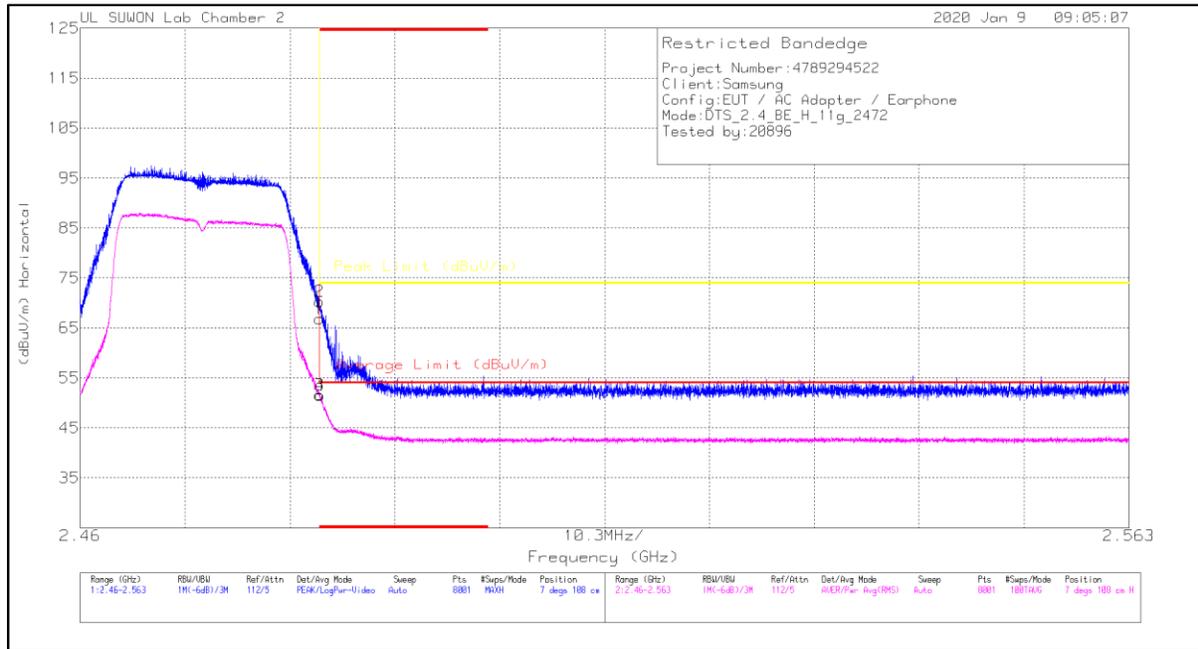
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (13 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

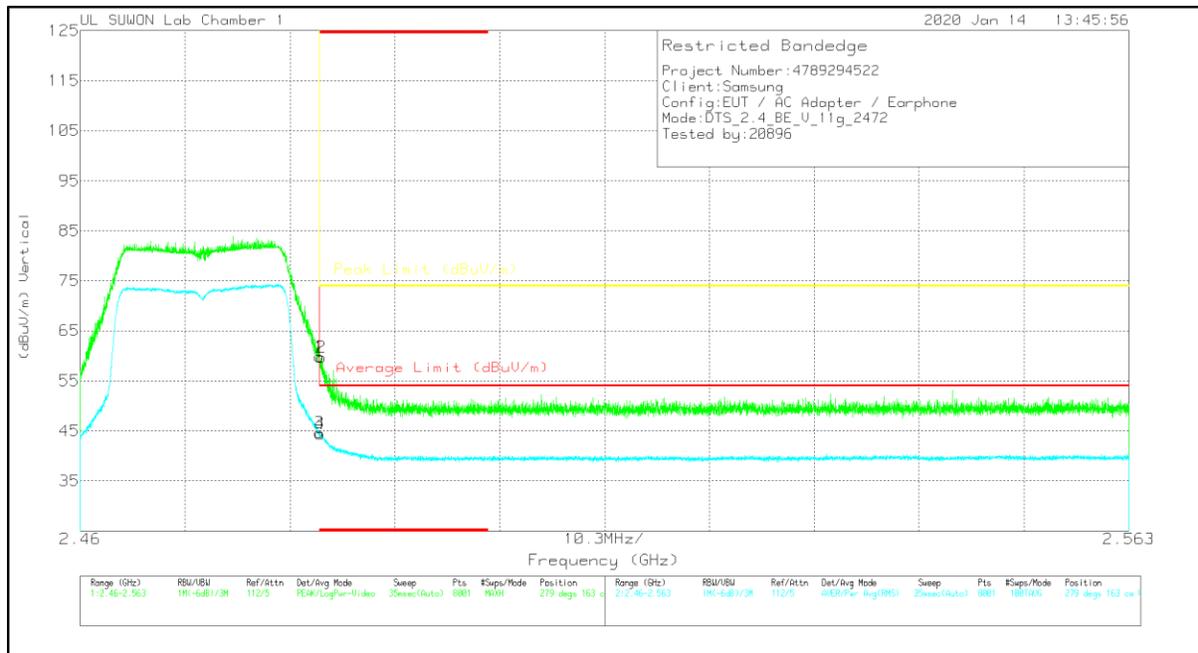
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	55.36	Pk	31.9	-20.4	0	66.86	-	-	74	-7.14	7	108	H
2	* 2.48352	58.77	Pk	31.9	-20.4	0	70.27	-	-	74	-3.73	7	108	H
3	* 2.48351	39.93	RMS	31.9	-20.4	.15	51.58	54	-2.42	-	-	7	108	H
4	* 2.48355	39.86	RMS	31.9	-20.4	.15	51.51	54	-2.49	-	-	7	108	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_00168717	10dB_ATT[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	* 2.48351	53.14	Pk	31.9	-25.2	0	59.84	-	-	74	-14.16	279	163	V
2	* 2.4837	53.04	Pk	31.9	-25.2	0	59.74	-	-	74	-14.26	279	163	V
3	* 2.48351	37.75	RMS	31.9	-25.2	.15	44.6	54	-9.4	-	-	279	163	V
4	* 2.48357	37.55	RMS	31.9	-25.2	.15	44.4	54	-9.6	-	-	279	163	V

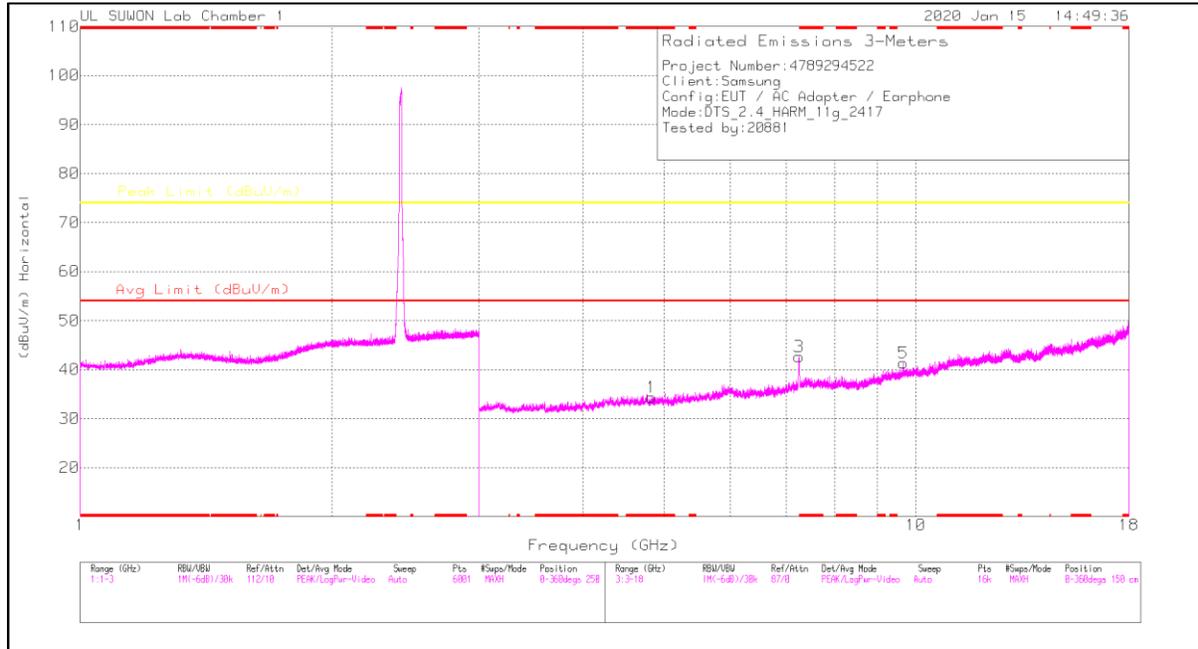
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

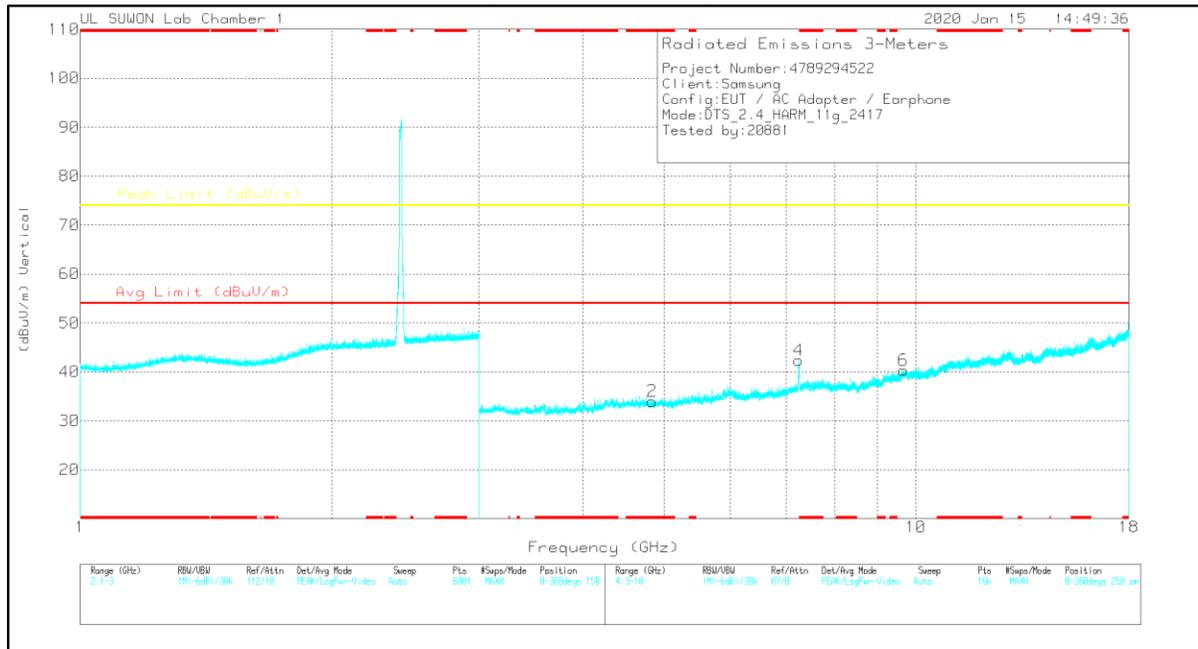
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### 2 CHANNEL HORIZONTAL



### 2 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.

**2 CHANNEL DATA**

**Radiated Emissions**

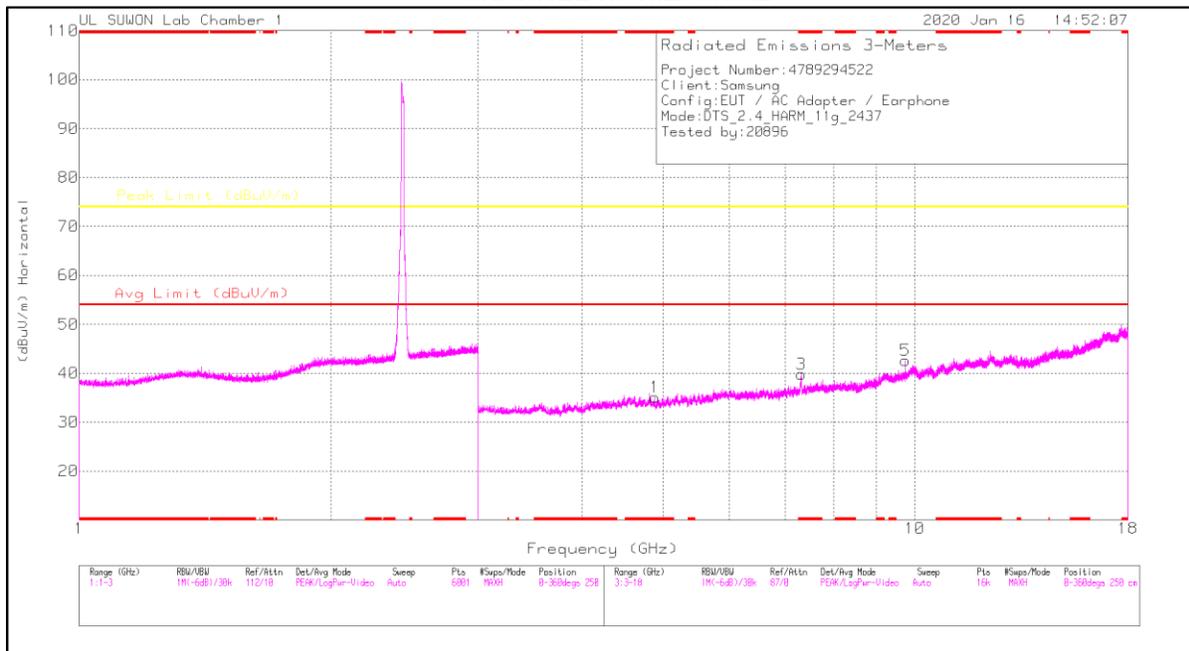
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82791	41.03	PK2	34	-28.1	0	46.93	-	-	74	-27.07	360	100	H
* 4.82887	41.01	PK2	34	-28.1	0	46.91	-	-	74	-27.09	360	100	V
* 7.25012	48.52	PK2	36.2	-25.4	0	59.32	-	-	74	-14.68	318	102	H
* 7.25049	34.13	MAv1	36.2	-25.4	.15	45.08	54	-8.92	-	-	318	102	H
* 7.25129	46.94	PK2	36.2	-25.4	0	57.74	-	-	74	-16.26	114	389	V
* 7.25075	32.5	MAv1	36.2	-25.4	.15	43.45	54	-10.55	-	-	114	389	V
9.66702	35.65	PK2	37.1	-21.3	0	51.45	-	-	74	-22.55	298	101	H
9.6679	35.26	PK2	37.1	-21.3	0	51.06	-	-	74	-22.94	100	104	V

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

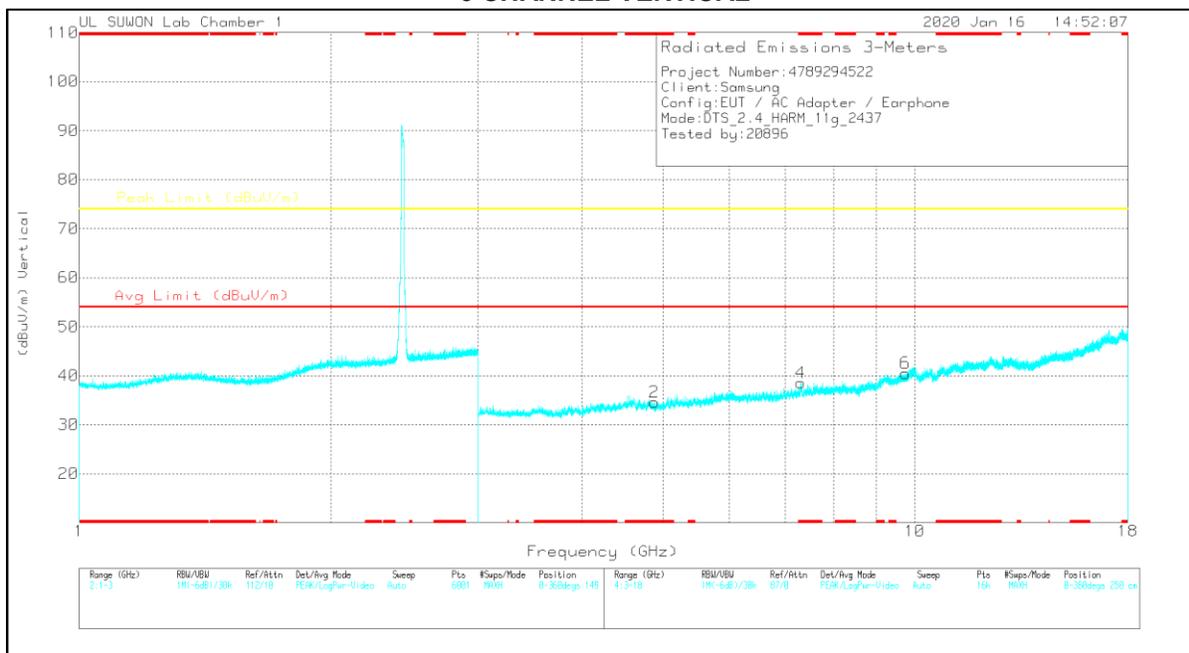
PK2 – KDB558074 Method: Maximum Peak

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**

**Radiated Emissions**

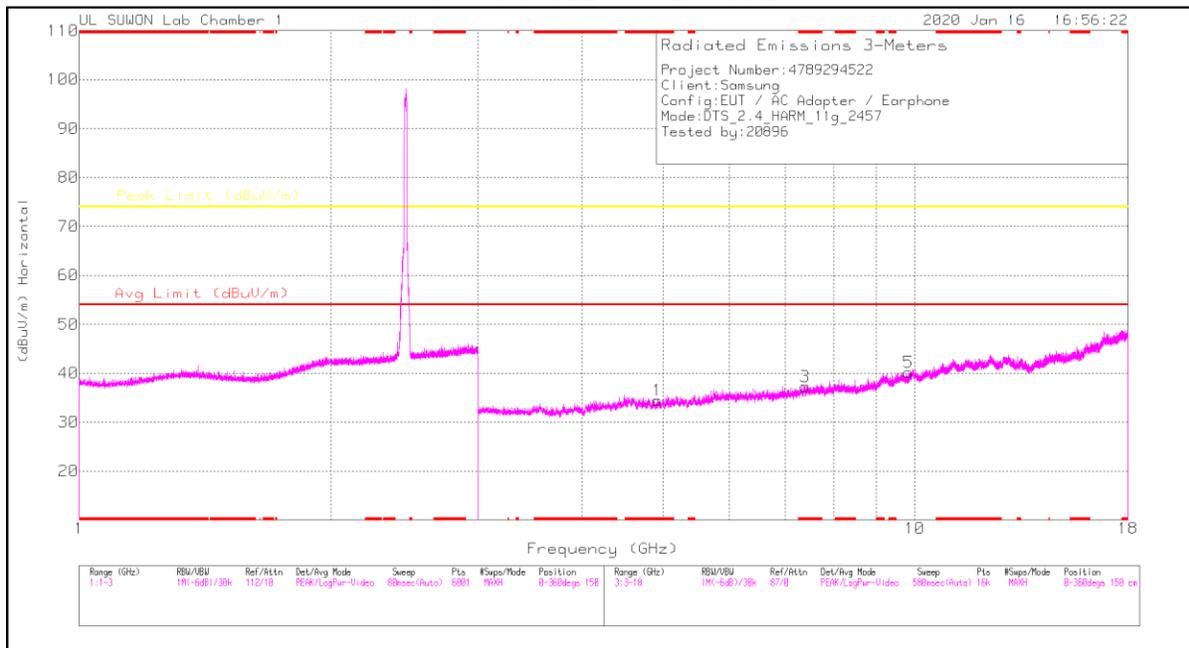
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.88693	40.66	PK2	34.2	-31.7	0	43.16	-	-	74	-30.84	0	100	H
* 4.88623	40.33	PK2	34.2	-31.7	0	42.83	-	-	74	-31.17	0	100	V
* 7.31447	41.54	PK2	35.8	-27.4	0	49.94	-	-	74	-24.06	318	100	H
* 7.30939	28.82	MAv1	35.8	-27.5	.15	37.27	54	-16.73	-	-	318	100	H
* 7.32027	38.81	PK2	35.8	-27.2	0	47.41	-	-	74	-26.59	59	103	V
* 7.31131	26.53	MAv1	35.8	-27.5	.15	34.98	54	-19.02	-	-	59	103	V
9.7481	35.84	PK2	37.2	-23.8	0	49.24	-	-	74	-24.76	305	243	H
9.74798	36	PK2	37.2	-23.8	0	49.4	-	-	74	-24.6	193	100	V

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

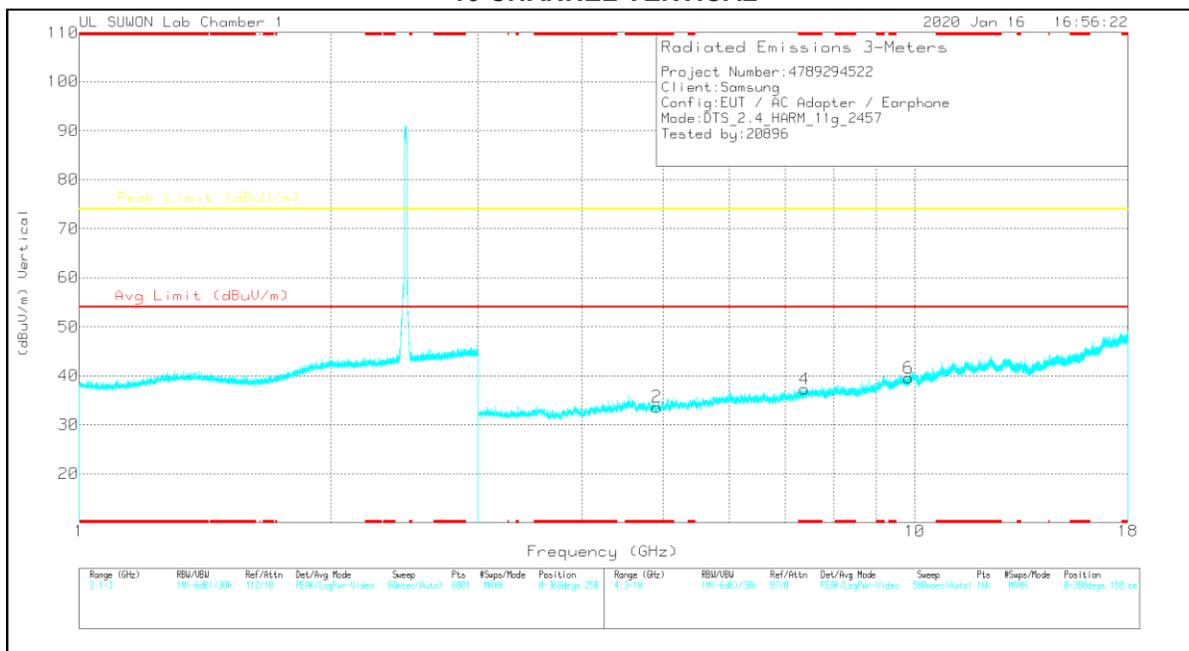
PK2 - KDB558074 Method: Maximum Peak

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**

**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168 717	3GHz_HP[d B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.91674	40.81	PK2	34.2	-31.6	0	43.41	-	-	74	-30.59	0	100	H
* 4.91989	40.5	PK2	34.2	-31.6	0	43.1	-	-	74	-30.9	0	100	V
* 7.38918	37.61	PK2	35.8	-27	0	46.41	-	-	74	-27.59	0	100	H
* 7.38865	37.04	PK2	35.8	-26.9	0	45.94	-	-	74	-28.06	0	100	V
9.82796	34.63	PK2	37.4	-23.6	0	48.43	-	-	74	-25.57	0	100	H
9.82788	34.88	PK2	37.4	-23.6	0	48.68	-	-	74	-25.32	0	100	V

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

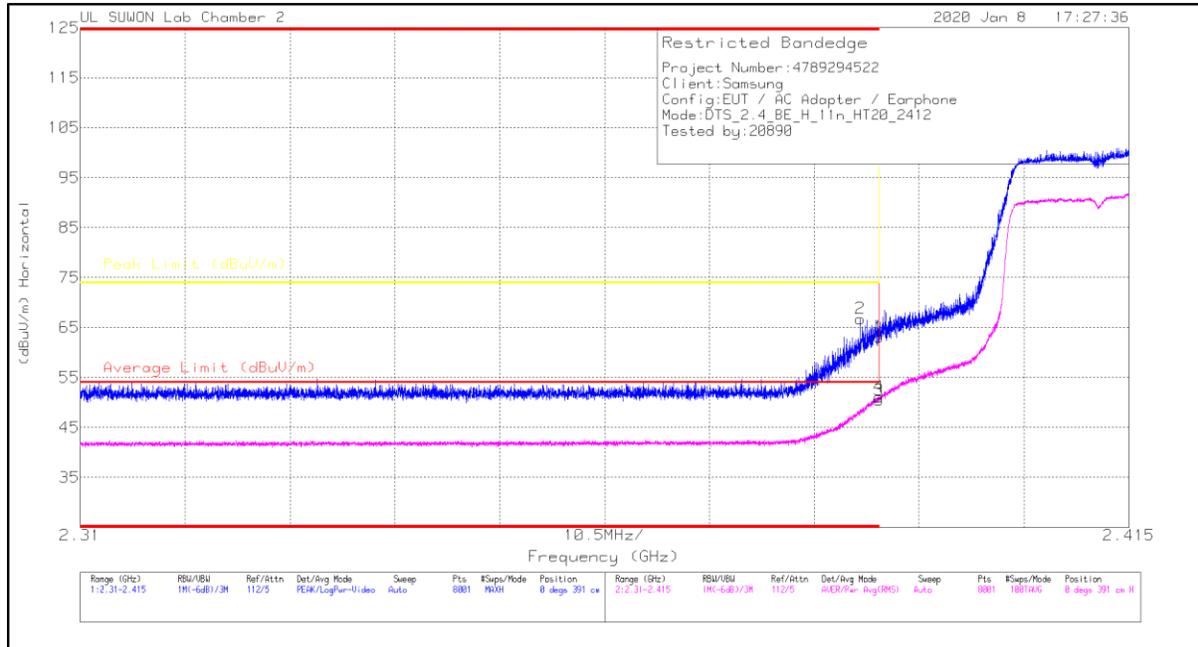
PK2 - KDB558074 Method: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.2.3. TX ABOVE 1GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

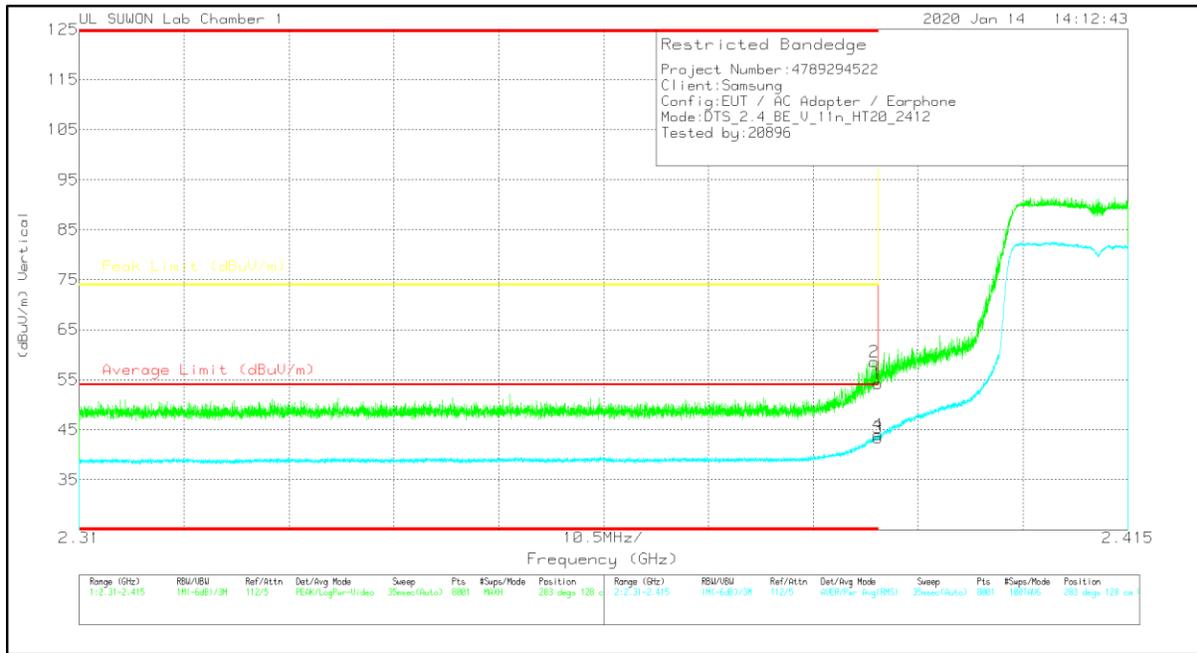
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.15	Pk	31.6	-20.6	0	63.15	-	-	74	-10.85	0	391	H
2	* 2.38811	55.77	Pk	31.6	-20.6	0	66.77	-	-	74	-7.23	0	391	H
3	* 2.39	39.3	RMS	31.6	-20.6	.16	50.46	54	-3.54	-	-	0	391	H
4	* 2.38998	39.92	RMS	31.6	-20.6	.16	51.08	54	-2.92	-	-	0	391	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_00168717	10dB_ATT[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	* 2.39	48.06	Pk	31.7	-25.5	0	54.26	-	-	74	-19.74	283	128	V
2	* 2.38958	52.56	Pk	31.7	-25.6	0	58.66	-	-	74	-15.34	283	128	V
3	* 2.39	37.01	RMS	31.7	-25.5	.16	43.37	54	-10.63	-	-	283	128	V
4	* 2.38996	37.71	RMS	31.7	-25.5	.16	44.07	54	-9.93	-	-	283	128	V

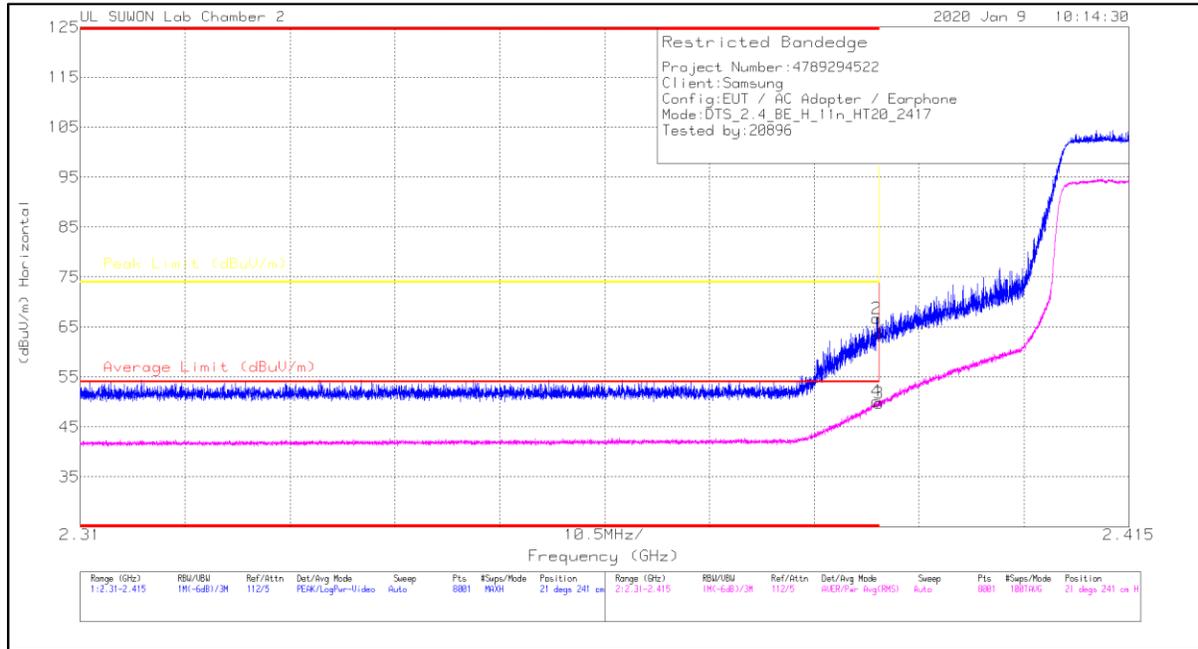
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (2 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

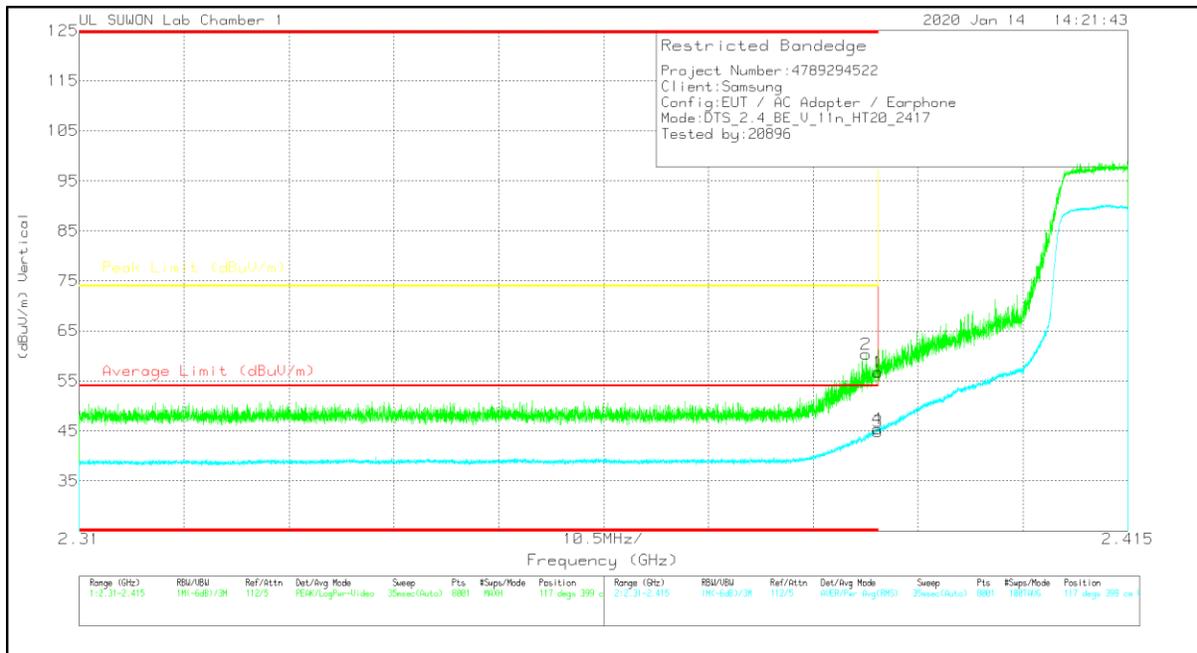
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.72	Pk	31.6	-20.6	0	63.72	-	-	74	-10.28	21	241	H
2	* 2.38975	55.76	Pk	31.6	-20.6	0	66.76	-	-	74	-7.24	21	241	H
3	* 2.39	38.59	RMS	31.6	-20.6	.16	49.75	54	-4.25	-	-	21	241	H
4	* 2.38975	39.03	RMS	31.6	-20.6	.16	50.19	54	-3.81	-	-	21	241	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_00168717	10dB_ATT[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	* 2.39	50.54	Pk	31.7	-25.5	0	56.74	-	-	74	-17.26	117	399	V
2	* 2.38876	54.28	Pk	31.7	-25.6	0	60.38	-	-	74	-13.62	117	399	V
3	* 2.39	38.59	RMS	31.7	-25.5	.16	44.95	54	-9.05	-	-	117	399	V
4	* 2.38991	39.01	RMS	31.7	-25.5	.16	45.37	54	-8.63	-	-	117	399	V

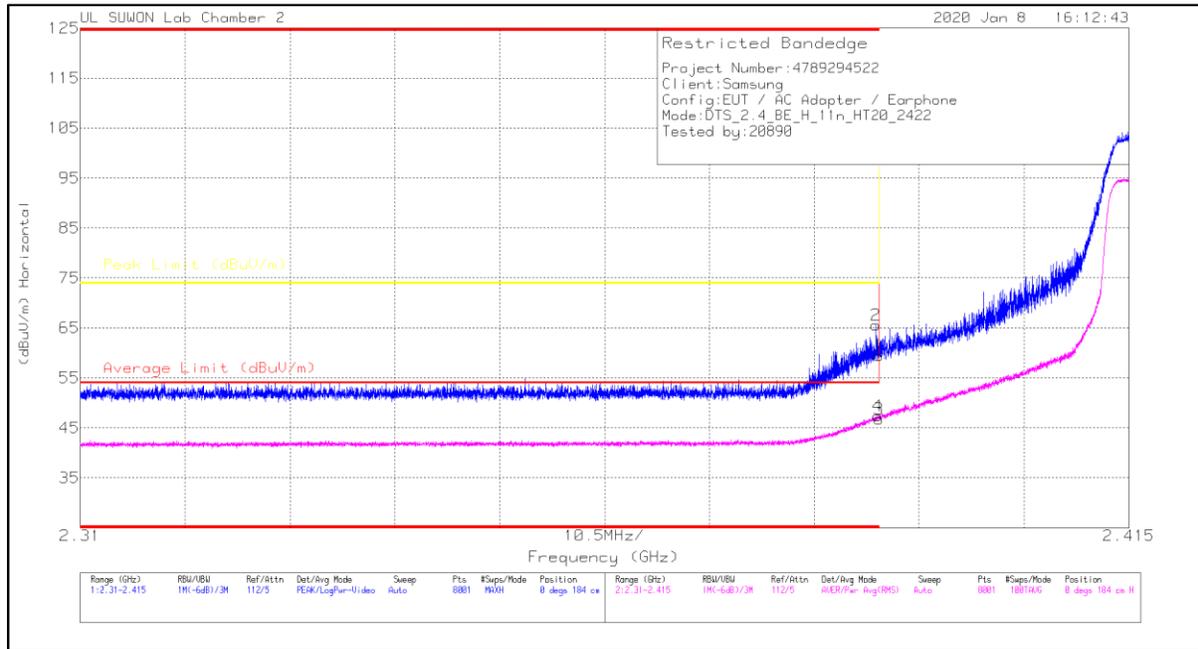
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (3 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

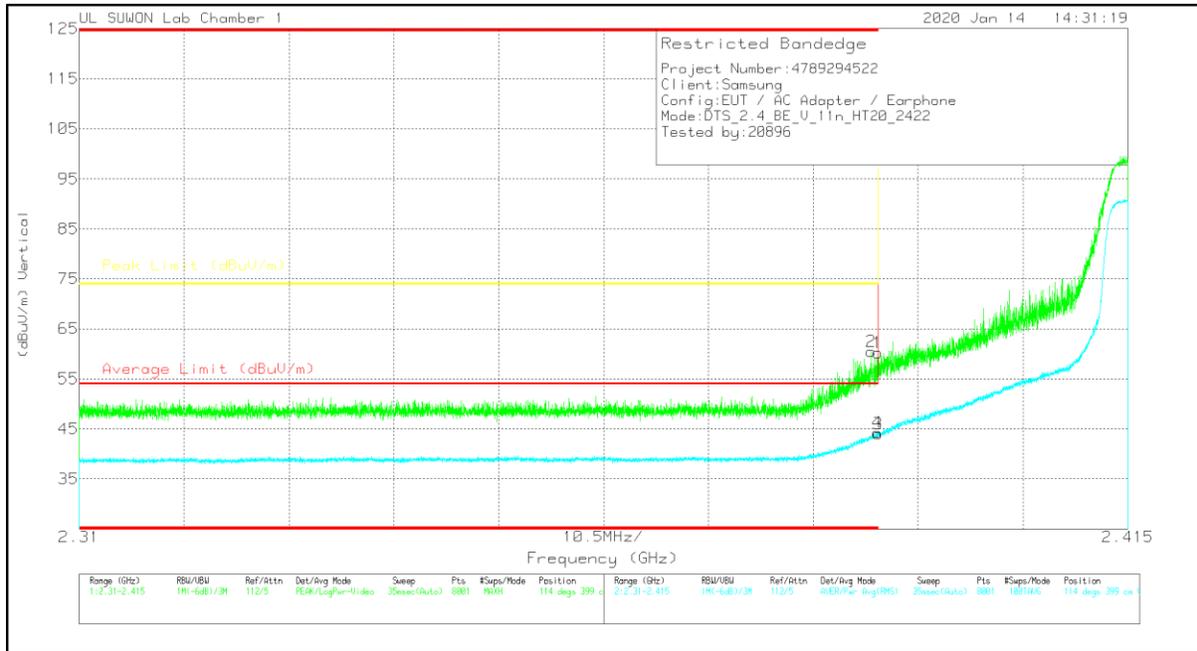
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.44	Pk	31.6	-20.6	0	59.44	-	-	74	-14.56	0	184	H
2	* 2.3897	54.55	Pk	31.6	-20.6	0	65.55	-	-	74	-8.45	0	184	H
3	* 2.39	35.55	RMS	31.6	-20.6	.16	46.71	54	-7.29	-	-	0	184	H
4	* 2.38984	36.27	RMS	31.6	-20.6	.16	47.43	54	-6.57	-	-	0	184	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_00168717	10dB_ATT[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	* 2.39	54.02	Pk	31.7	-25.5	0	60.22	-	-	74	-13.78	114	399	V
2	* 2.38929	54.37	Pk	31.7	-25.6	0	60.47	-	-	74	-13.53	114	399	V
3	* 2.39	37.7	RMS	31.7	-25.5	.16	44.06	54	-9.94	-	-	114	399	V
4	* 2.38991	37.86	RMS	31.7	-25.5	.16	44.22	54	-9.78	-	-	114	399	V

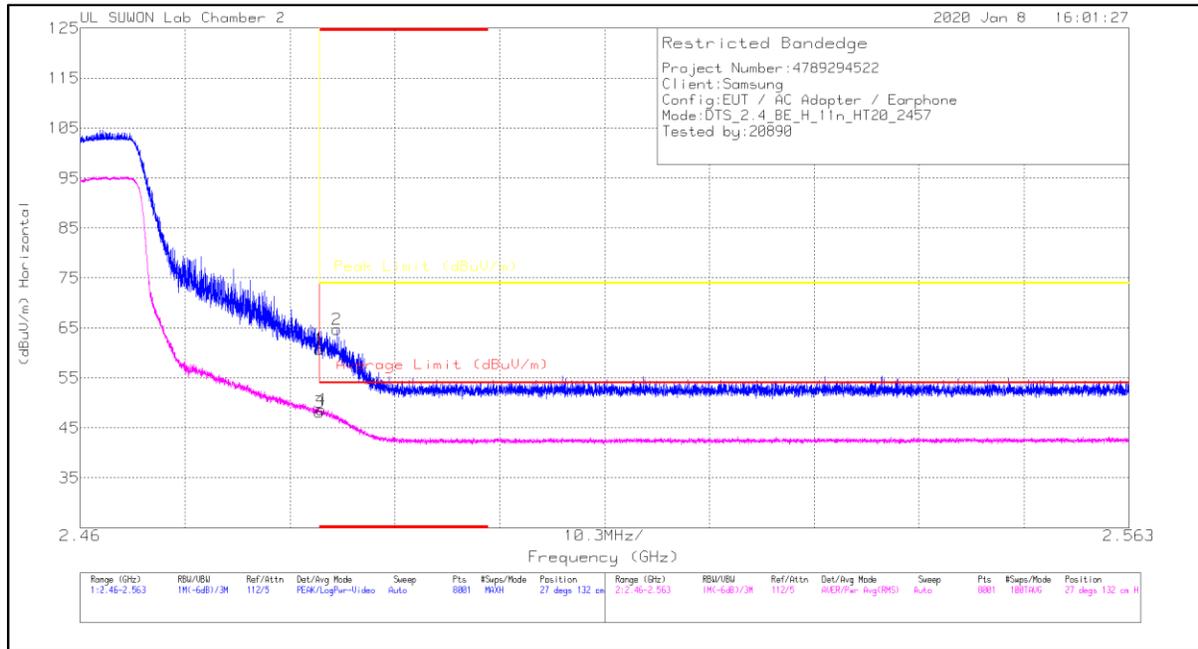
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (10 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

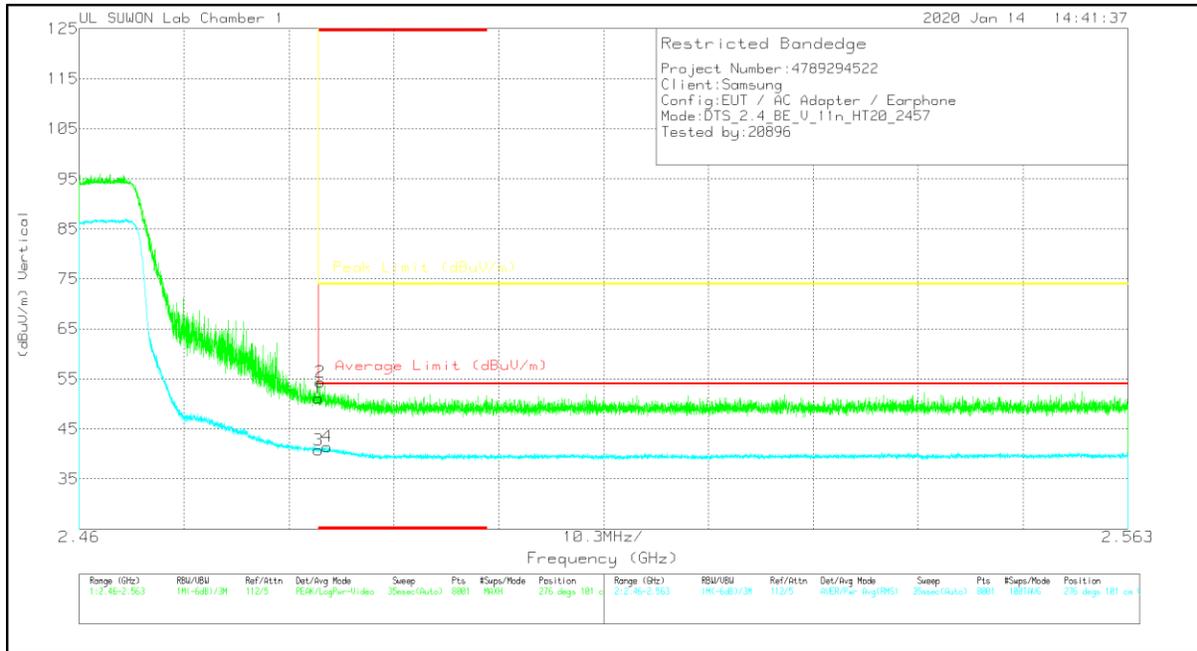
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.18	Pk	31.9	-20.4	0	69.68	-	-	74	-13.32	27	132	H
2	* 2.4852	53.19	Pk	31.9	-20.4	0	64.69	-	-	74	-9.31	27	132	H
3	* 2.48351	36.53	RMS	31.9	-20.4	-16	48.19	54	-5.81	-	-	27	132	H
4	* 2.4837	37.02	RMS	31.9	-20.4	-16	48.68	54	-5.32	-	-	27	132	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_00168717	10dB_ATT[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	* 2.48351	44.42	Pk	31.9	-25.2	0	51.12	-	-	74	-22.88	276	101	V
2	* 2.48365	47.65	Pk	31.9	-25.2	0	54.35	-	-	74	-19.65	276	101	V
3	* 2.48351	33.98	RMS	31.9	-25.2	.16	40.84	54	-13.16	-	-	276	101	V
4	* 2.48437	34.61	RMS	31.9	-25.2	.16	41.47	54	-12.53	-	-	276	101	V

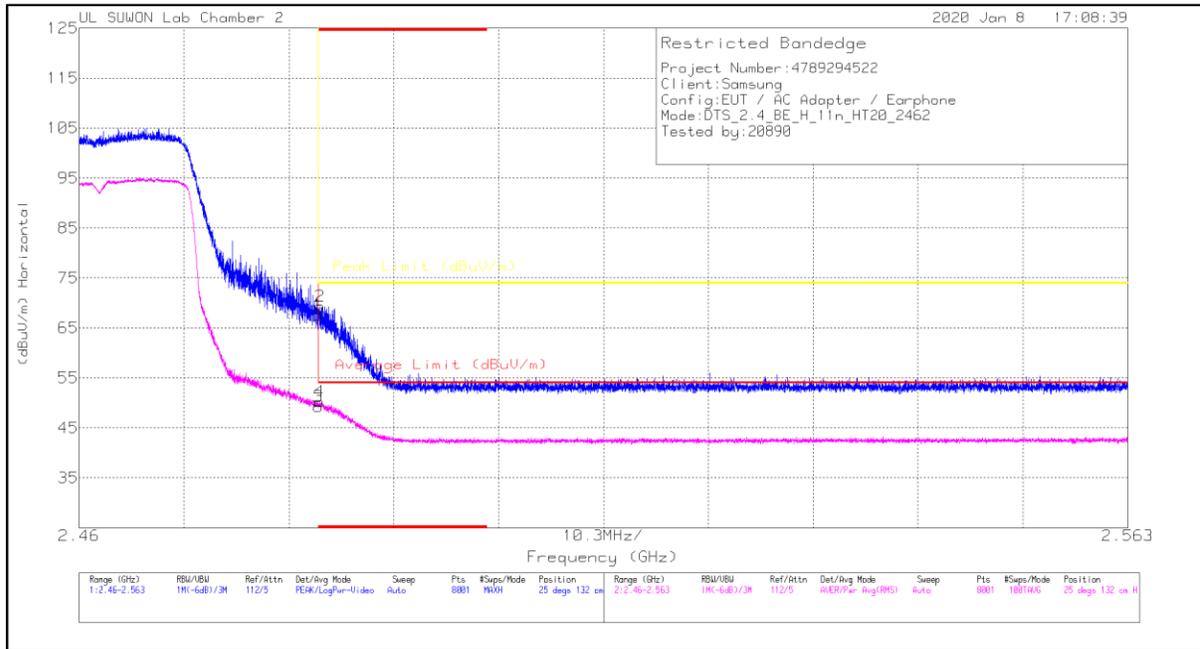
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (11 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

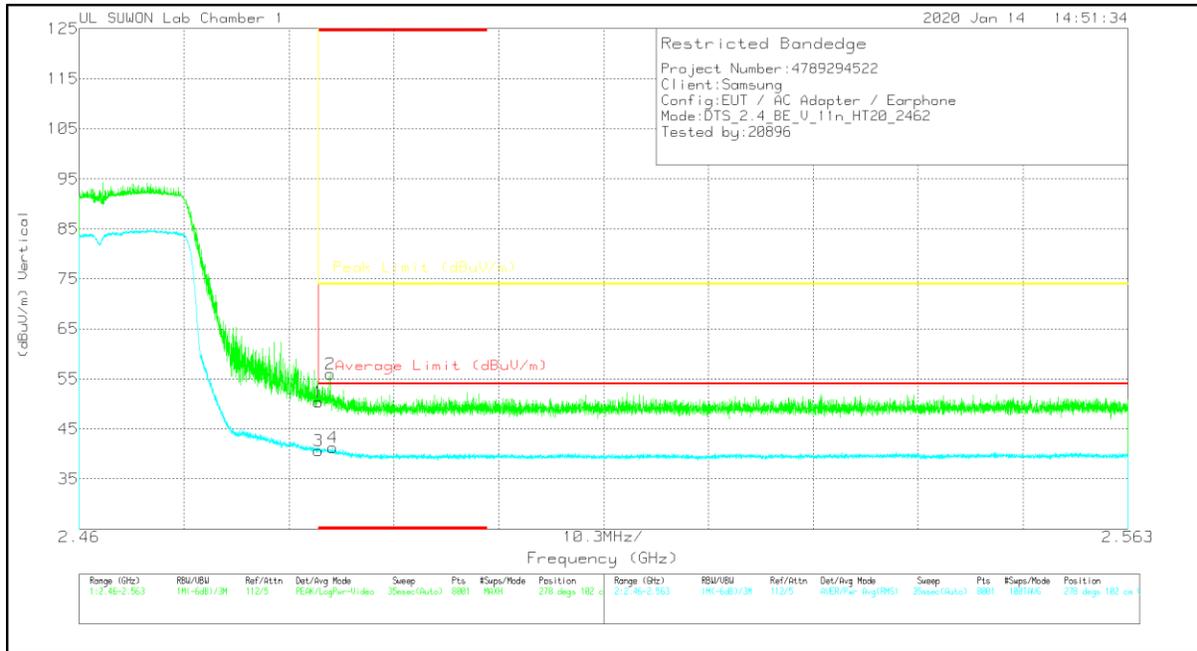
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	56.11	Pk	31.9	-20.4	0	67.61	-	-	74	-6.39	25	132	H
2	* 2.48365	57.85	Pk	31.9	-20.4	0	69.35	-	-	74	-4.65	25	132	H
3	* 2.48351	37.64	RMS	31.9	-20.4	.16	49.3	54	-4.7	-	-	25	132	H
4	* 2.48359	38.56	RMS	31.9	-20.4	.16	50.22	54	-3.78	-	-	25	132	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_00168717	10dB_ATT[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	* 2.48351	43.71	Pk	31.9	-25.2	0	50.41	-	-	74	-23.59	278	102	V
2	* 2.48464	49.28	Pk	31.9	-25.2	0	55.98	-	-	74	-18.02	278	102	V
3	* 2.48351	33.85	RMS	31.9	-25.2	.16	40.71	54	-13.29	-	-	278	102	V
4	* 2.48493	34.45	RMS	31.9	-25.2	.16	41.31	54	-12.69	-	-	278	102	V

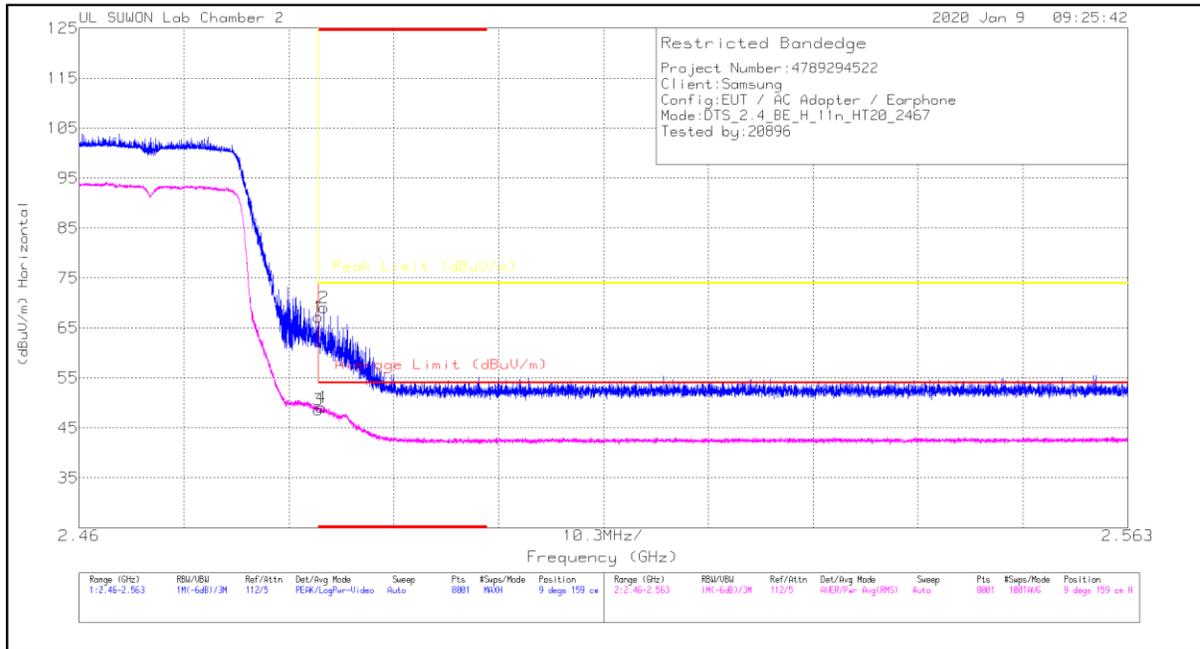
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (12 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

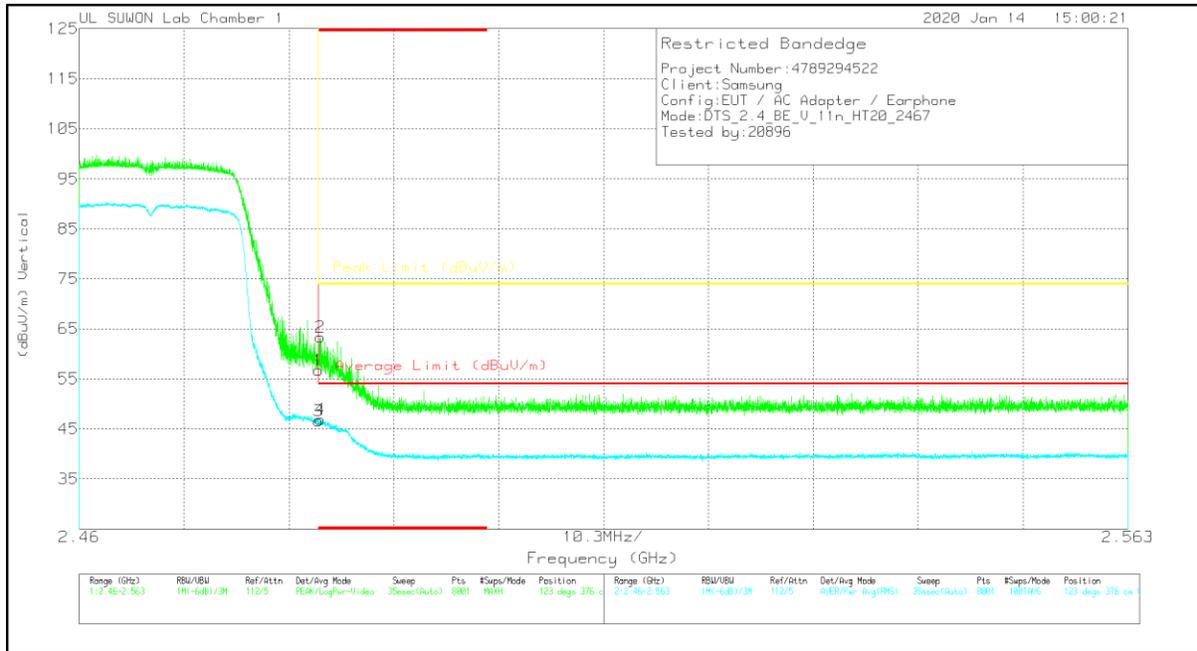
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	55.67	Pk	31.9	-20.4	0	67.17	-	-	74	-6.83	9	159	H
2	* 2.48405	57.62	Pk	31.9	-20.4	0	69.12	-	-	74	-4.88	9	159	H
3	* 2.48351	36.99	RMS	31.9	-20.4	.16	48.65	54	-5.35	-	-	9	159	H
4	* 2.48382	37.5	RMS	31.9	-20.4	.16	49.16	54	-4.84	-	-	9	159	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_00168717	10dB_ATT[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	* 2.48351	50.06	Pk	31.9	-25.2	0	56.76	-	-	74	-17.24	123	376	V
2	* 2.48365	56.61	Pk	31.9	-25.2	0	63.31	-	-	74	-10.69	123	376	V
3	* 2.48351	39.82	RMS	31.9	-25.2	.16	46.68	54	-7.32	-	-	123	376	V
4	* 2.48369	40.01	RMS	31.9	-25.2	.16	46.87	54	-7.13	-	-	123	376	V

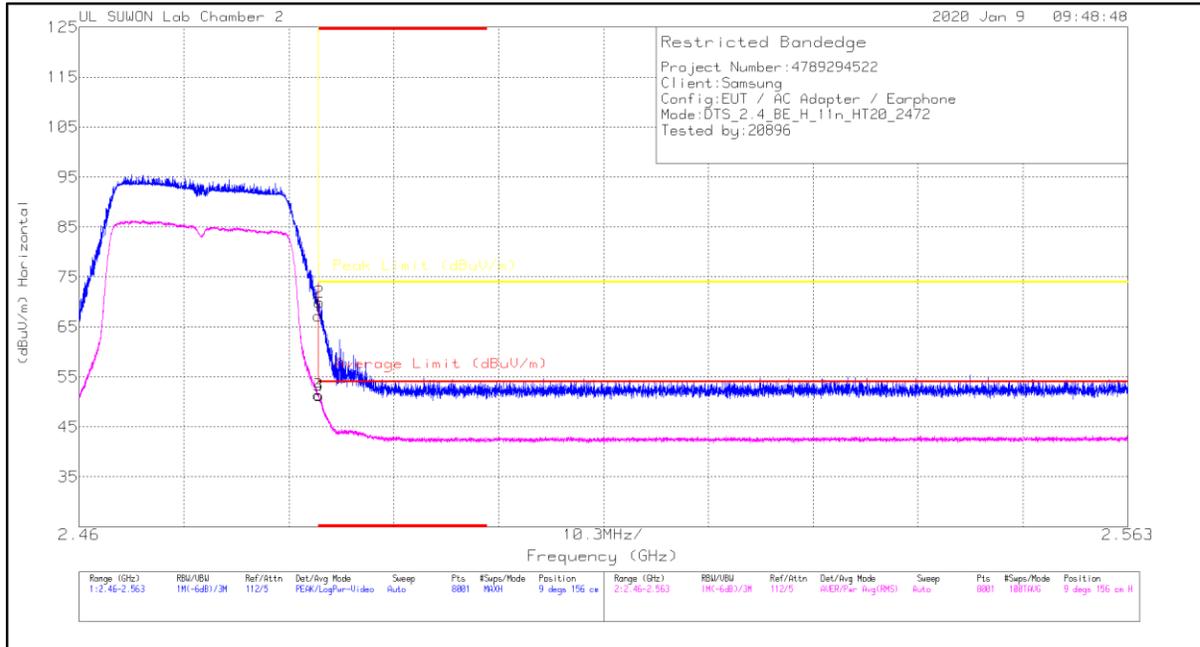
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (13 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

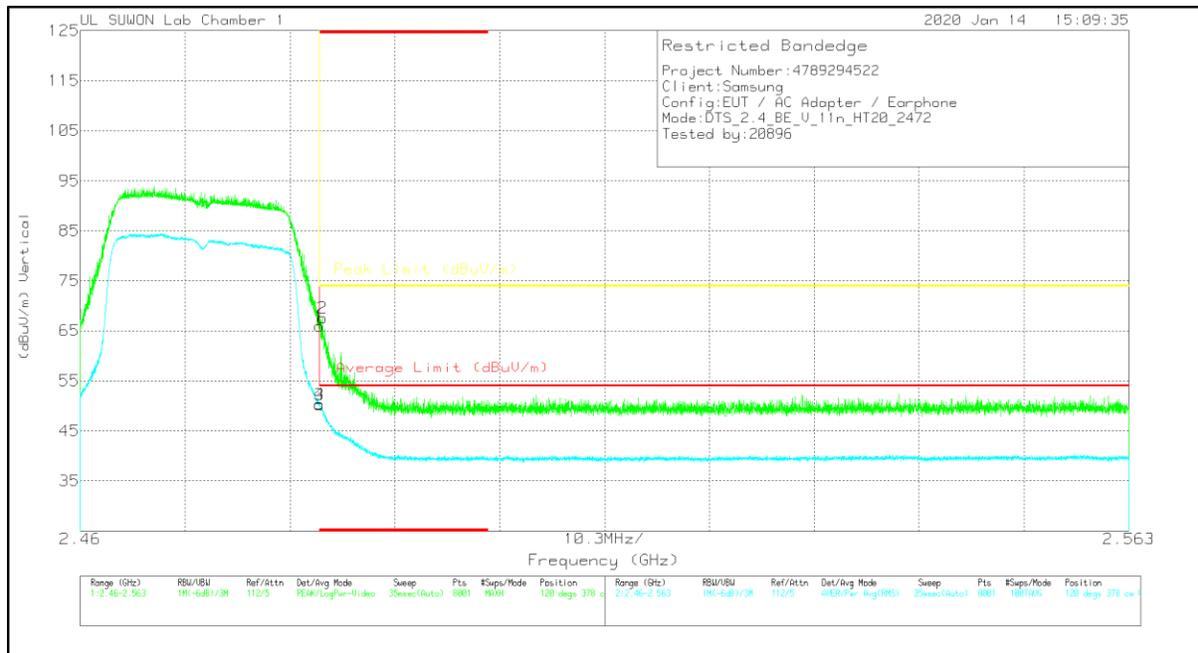
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	55.71	Pk	31.9	-20.4	0	67.21	-	-	74	-6.79	9	156	H
2	* 2.48359	58.4	Pk	31.9	-20.4	0	69.9	-	-	74	-4.1	9	156	H
3	* 2.48351	39.68	RMS	31.9	-20.4	.16	51.34	54	-2.66	-	-	9	156	H
4	* 2.48357	39.6	RMS	31.9	-20.4	.16	51.26	54	-2.74	-	-	9	156	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_00168717	10dB_ATT[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	* 2.48351	59.28	Pk	31.9	-25.2	0	65.98	-	-	74	-8.02	120	378	V
2	* 2.48379	60.85	Pk	31.9	-25.2	0	67.55	-	-	74	-6.45	120	378	V
3	* 2.48351	43.43	RMS	31.9	-25.2	.16	50.29	54	-3.71	-	-	120	378	V
4	* 2.48352	43.53	RMS	31.9	-25.2	.16	50.39	54	-3.61	-	-	120	378	V

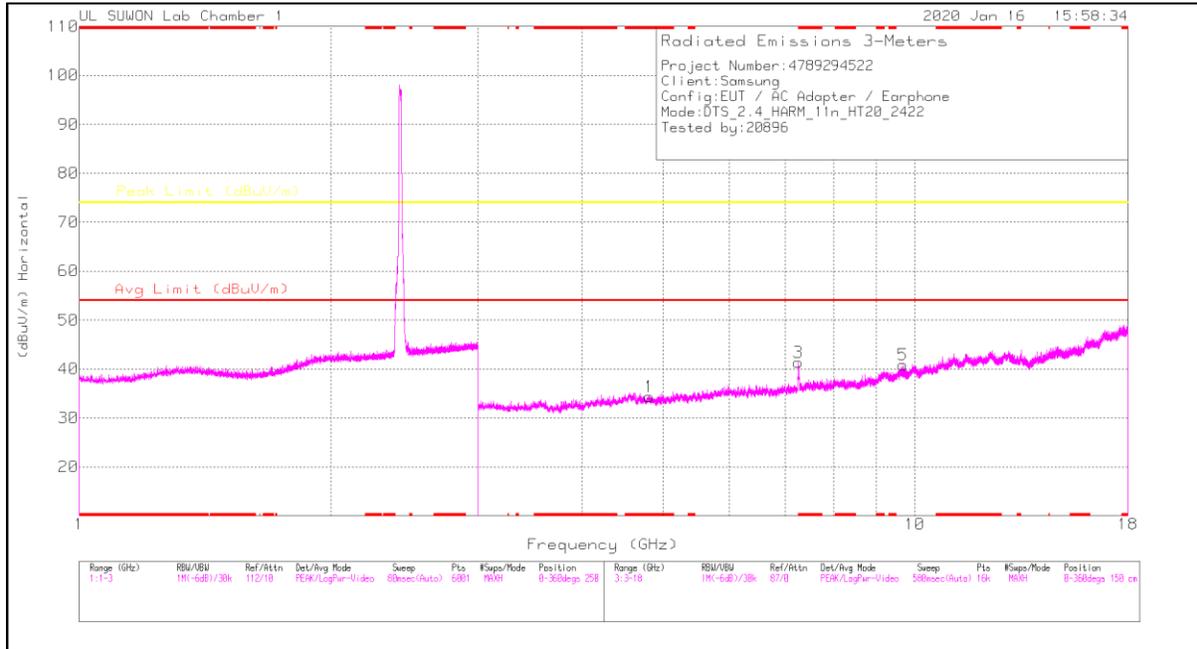
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

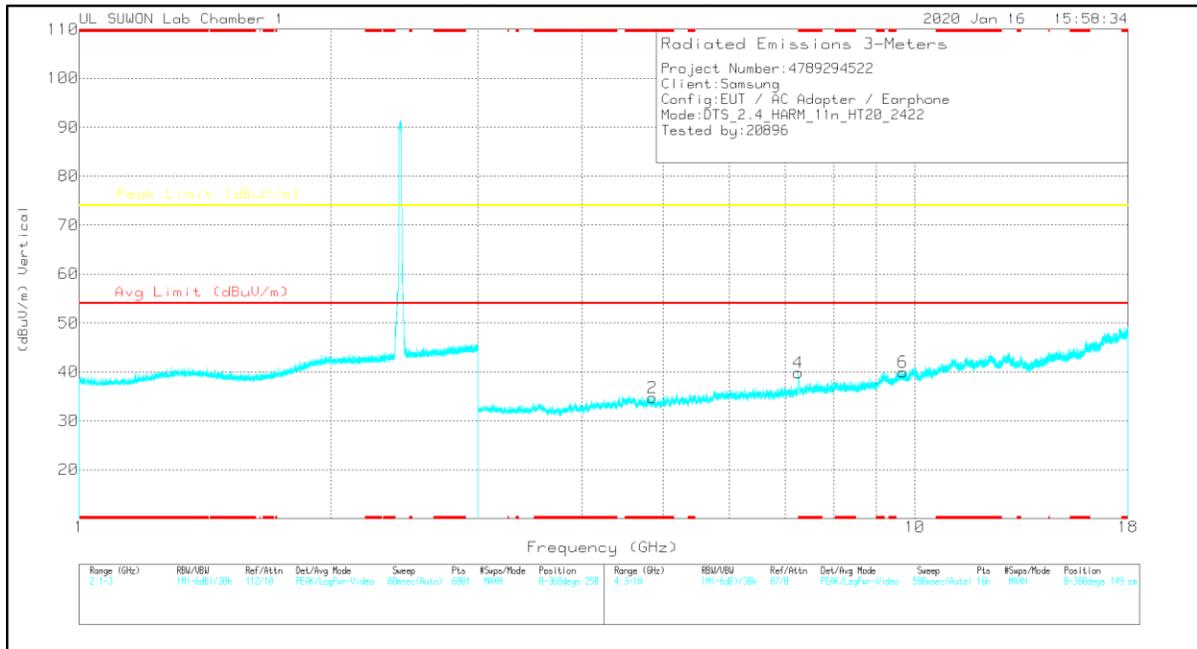
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

#### 3 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.

**3 CHANNEL DATA**

**Radiated Emissions**

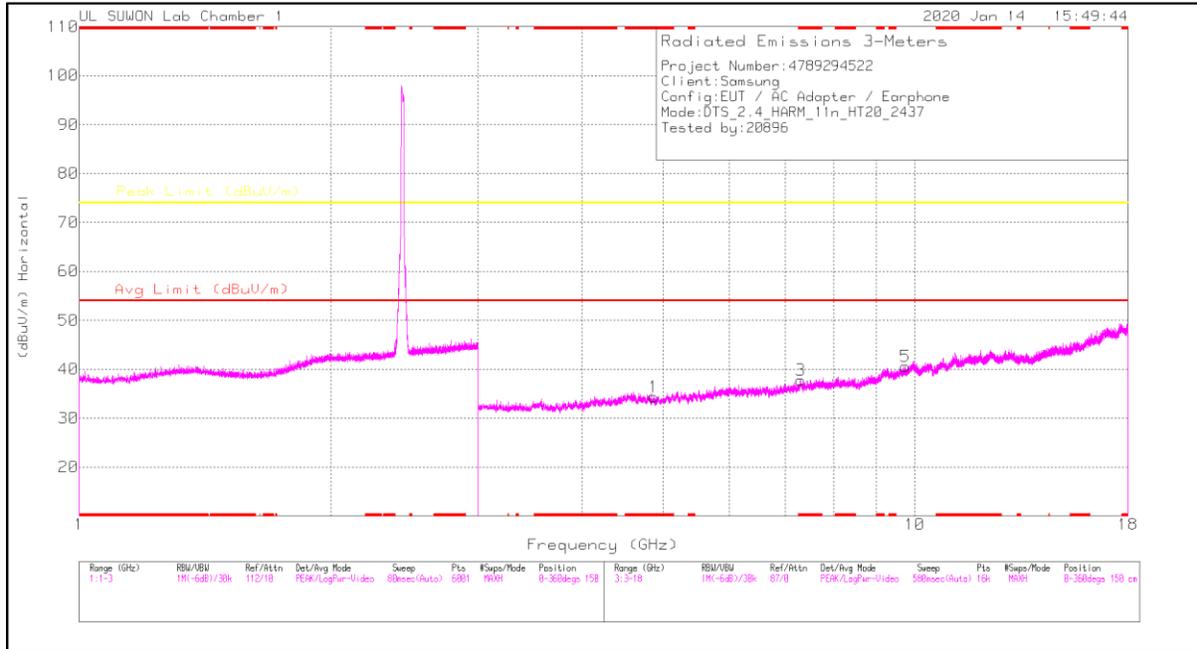
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.8183	41.15	PK2	34.2	-31.5	0	43.85	-	-	74	-30.15	0	100	H
* 4.81816	40.7	PK2	34.2	-31.5	0	43.4	-	-	74	-30.6	0	100	V
* 7.25453	45.32	PK2	35.8	-27.6	0	53.52	-	-	74	-20.48	321	259	H
* 7.25846	30.97	MAv1	35.8	-27.5	.16	39.43	54	-14.57	-	-	321	259	H
* 7.25158	43.74	PK2	35.8	-27.7	0	51.84	-	-	74	-22.16	118	306	V
* 7.262	29.55	MAv1	35.8	-27.6	.16	37.91	54	-16.09	-	-	118	306	V
9.68831	34.7	PK2	37.1	-23.5	0	48.3	-	-	74	-25.7	0	100	H
9.68961	34.34	PK2	37.1	-23.5	0	47.94	-	-	74	-26.06	0	100	V

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

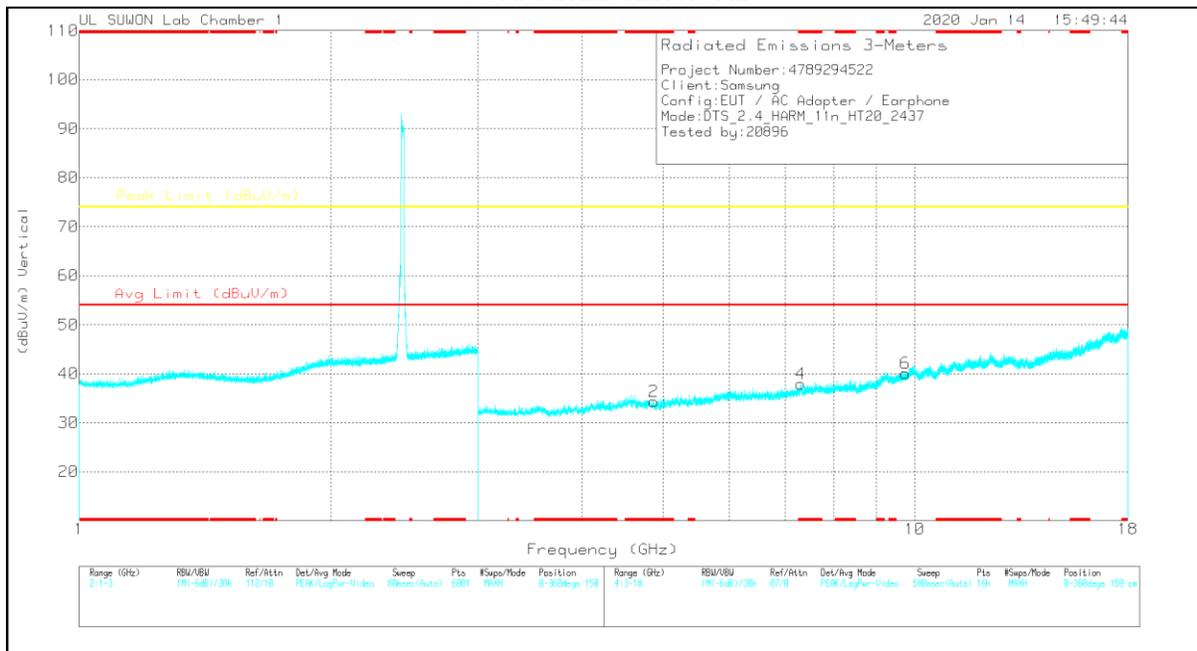
PK2 - KDB558074 Method: Maximum Peak

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**

**Radiated Emissions**

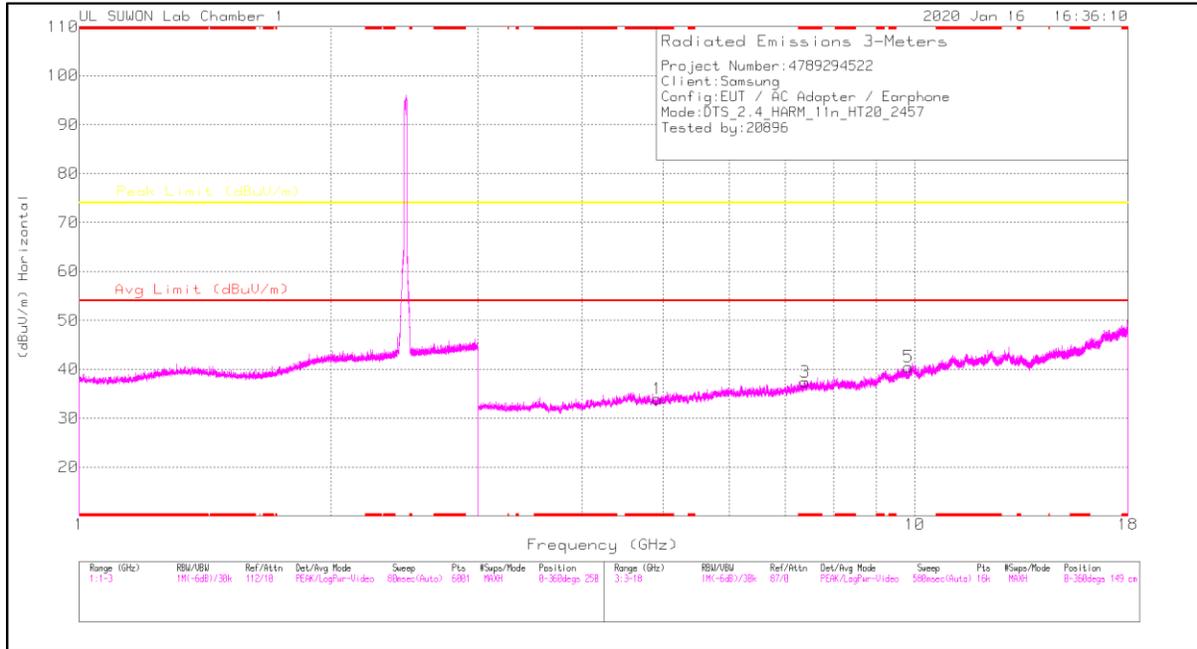
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87203	40.75	PK2	34.2	-31.6	0	43.35	-	-	74	-30.65	360	100	H
* 4.87486	41.01	PK2	34.2	-31.6	0	43.61	-	-	74	-30.39	360	100	V
* 7.30248	38.47	PK2	35.8	-27.6	0	46.67	-	-	74	-27.33	360	100	H
* 7.30439	37.96	PK2	35.8	-27.6	0	46.16	-	-	74	-27.84	360	100	V
9.74771	35.54	PK2	37.2	-23.8	0	48.94	-	-	74	-25.06	360	100	H
9.74803	34.96	PK2	37.2	-23.8	0	48.36	-	-	74	-25.64	360	100	V

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

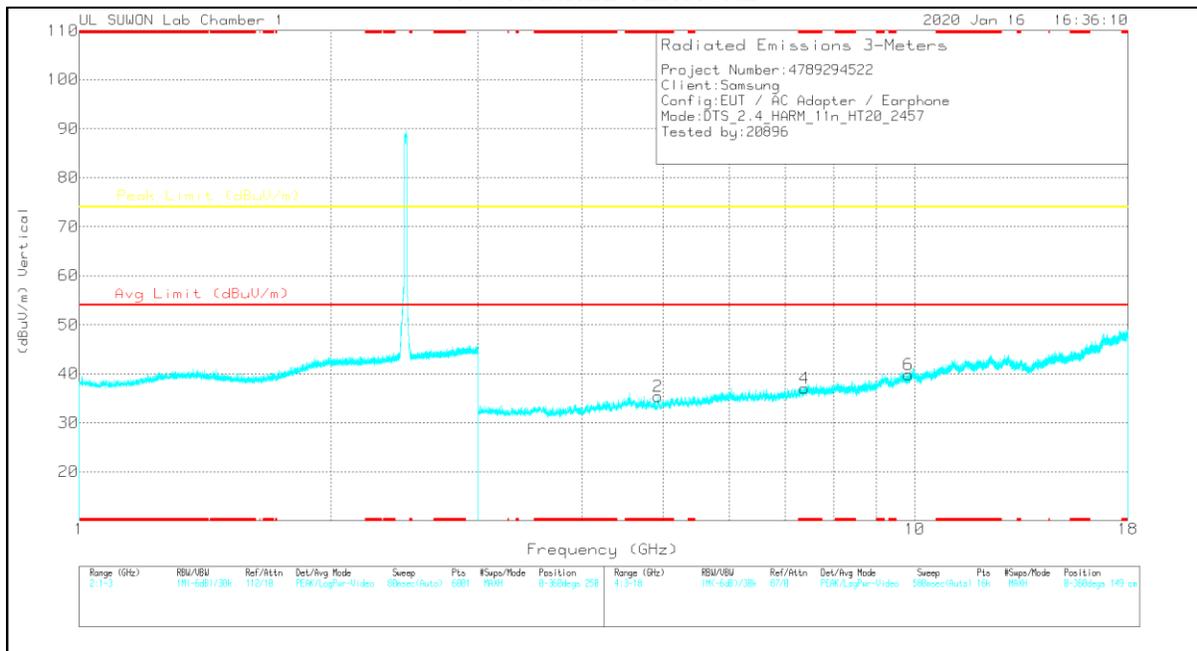
PK2 - KDB558074 Method: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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**

**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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
* 4.92124	41.33	PK2	34.2	-31.7	0	43.83	-	-	74	-30.17	0	100	H
* 4.92673	40.8	PK2	34.2	-31.6	0	43.4	-	-	74	-30.6	0	100	V
* 7.39672	37.32	PK2	35.8	-27.1	0	46.02	-	-	74	-27.98	0	100	H
* 7.37754	37.29	PK2	35.8	-27.1	0	45.99	-	-	74	-28.01	0	100	V
9.82826	34.76	PK2	37.4	-23.6	0	48.56	-	-	74	-25.44	0	100	H
9.8269	35.32	PK2	37.4	-23.6	0	49.12	-	-	74	-24.88	0	100	V

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

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).