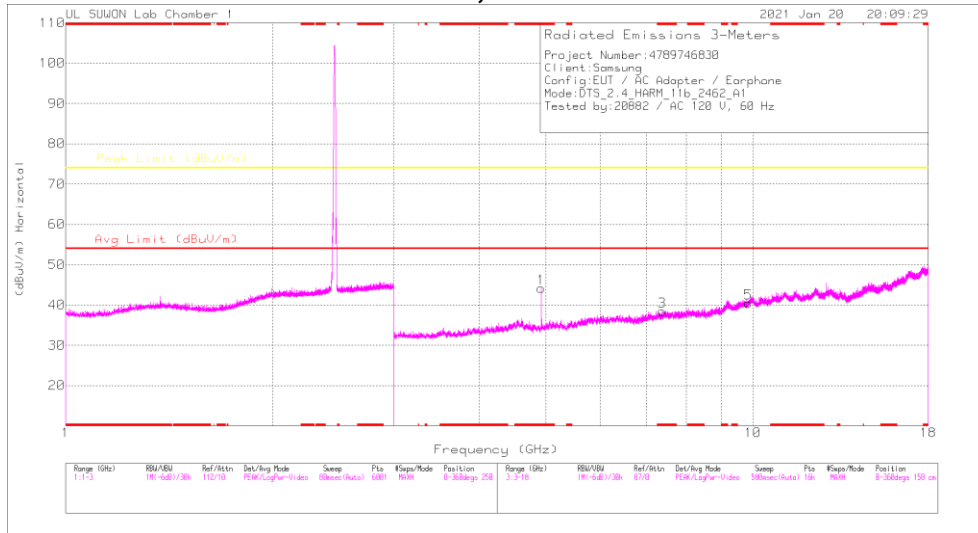
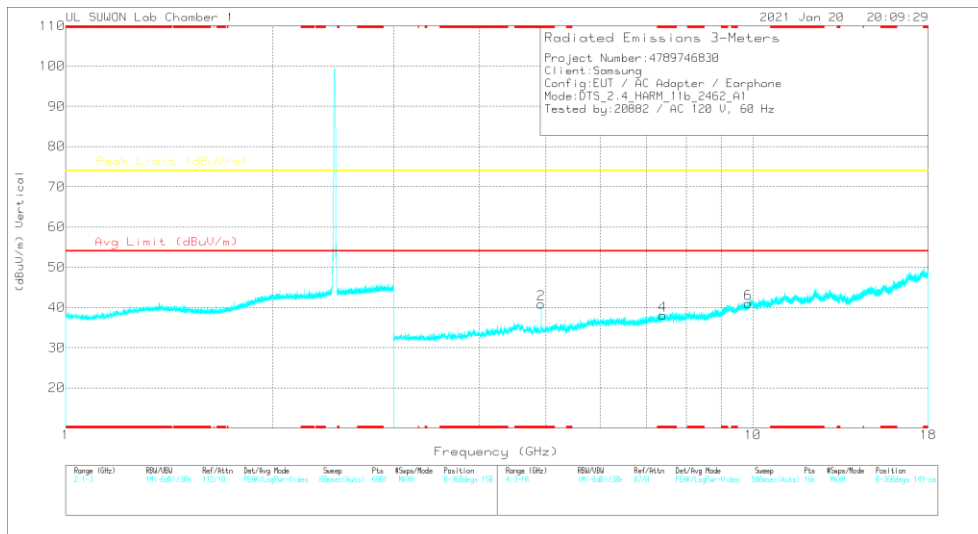


### HIGH CHANNEL, CH 11 RESULTS



### HORIZONTAL



### 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.

### Radiated Emissions

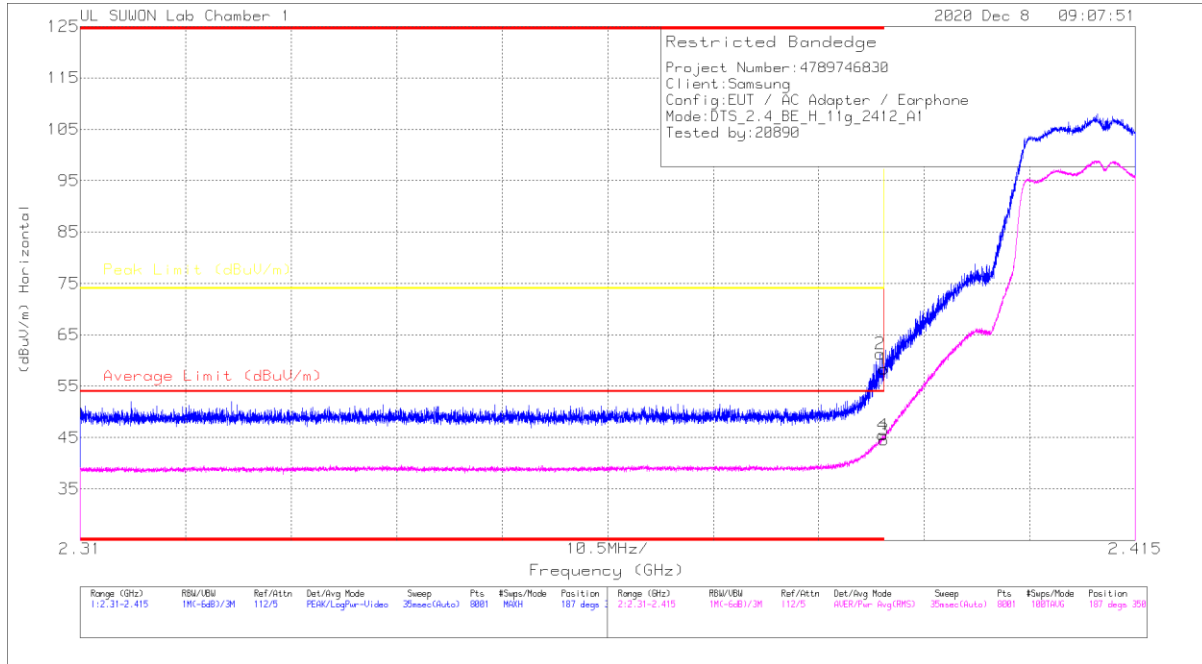
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.92397	46.85	PK2	34.1	-31.4	0	49.55	-	-	74	-24.45	177	150	H
* 4.92401	42.03	MAv1	34.1	-31.5	0	44.63	54	-9.37	-	-	177	150	H
* 4.92403	45.33	PK2	34.1	-31.5	0	47.93	-	-	74	-26.07	176	285	V
* 4.92403	39.33	MAv1	34.1	-31.5	0	41.93	54	-12.07	-	-	176	285	V
* 7.38444	37.84	PK2	35.8	-27	0	46.64	-	-	74	-27.36	0	100	H
* 7.38681	38.06	PK2	35.8	-27	0	46.88	-	-	74	-27.12	0	100	V
9.84833	35.12	PK2	37.6	-23	0	49.72	-	-	74	-24.28	0	100	H
9.84902	35.13	PK2	37.6	-23	0	49.73	-	-	74	-24.27	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

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

#### BANDEDGE (LOW CHANNEL, CH 1)

#### HORIZONTAL RESULT

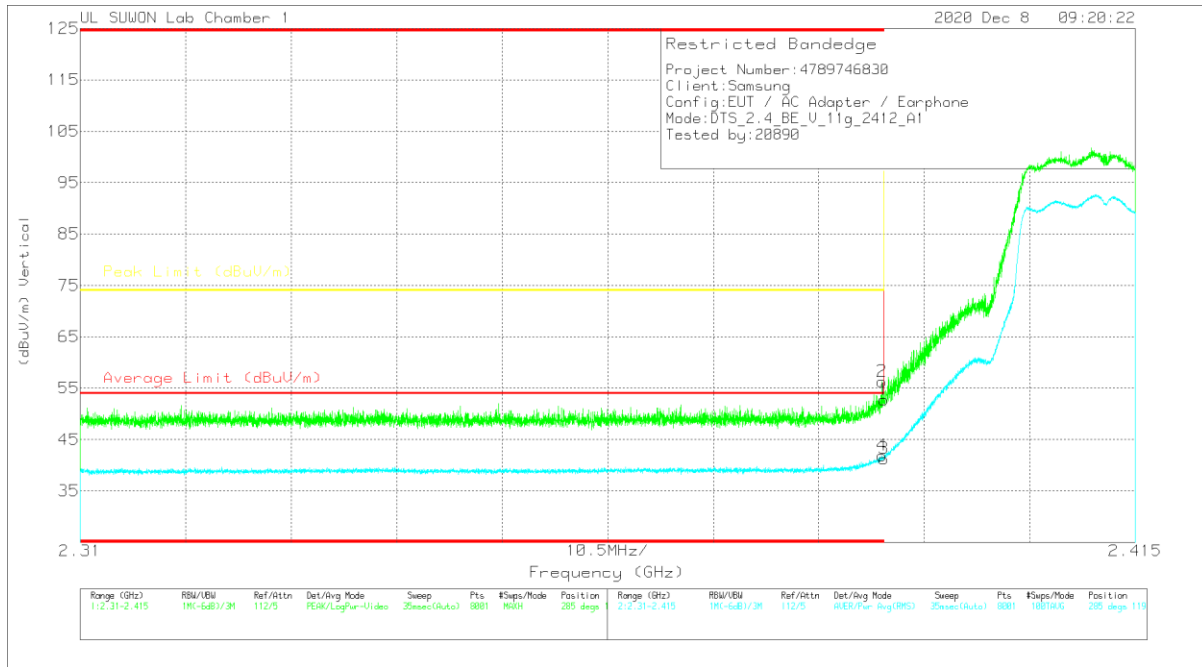


#### Trace Markers

Marker	Frequency (GHz)	Meas 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	52.14	Pk	31.8	-25.6	0	58.34	-	-	74	-15.66	187	350	H
2	* 2.3896	55.1	PK	31.8	-25.6	0	61.3	-	-	74	-12.7	187	350	H
3	* 2.39	38.36	RMS	31.8	-25.6	0	44.56	54	-9.44	-	-	187	350	H
4	* 2.38989	39.31	RMS	31.8	-25.6	0	45.51	54	-8.49	-	-	187	350	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



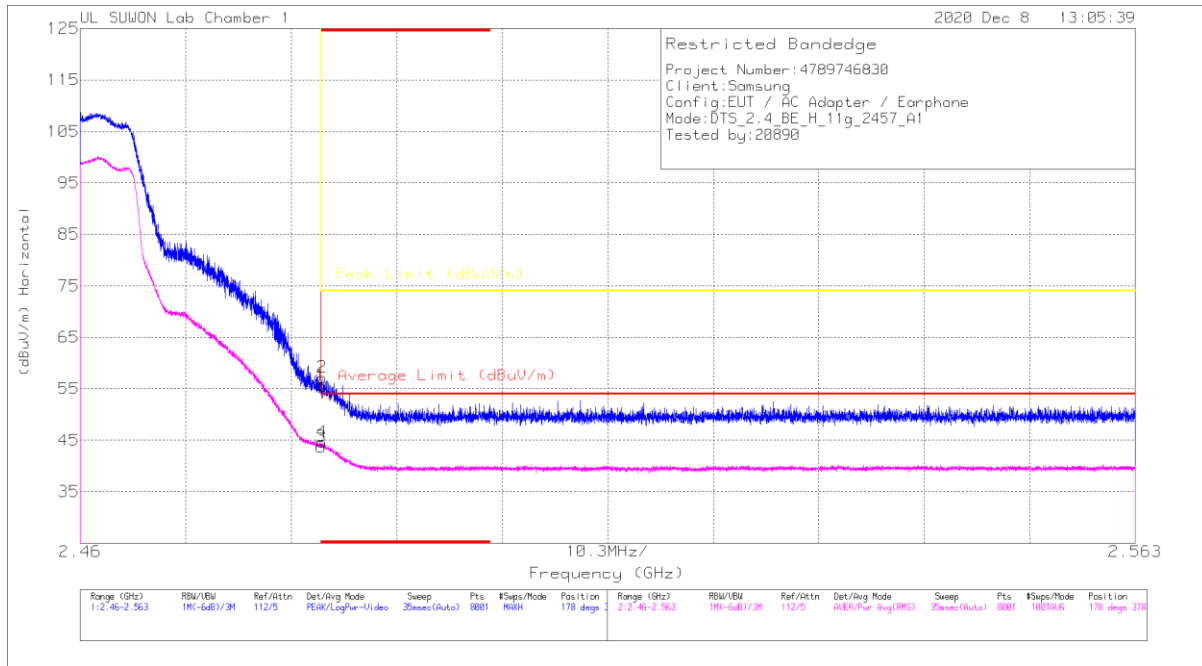
#### Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBu/m)	Det	3117_00168717	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.56	PK		-25.6	0	52.76	-	-	74	-21.24	285	119	V
2	* 2.38979	50.1	PK		-25.6	0	56.3	-	-	74	-17.7	285	119	V
3	* 2.39	35.1	RMS		-25.6	0	41.3	54	-12.7	-	-	285	119	V
4	* 2.38977	35.7	RMS		-25.6	0	41.9	54	-12.1	-	-	285	119	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 10)**

**HORIZONTAL RESULT**

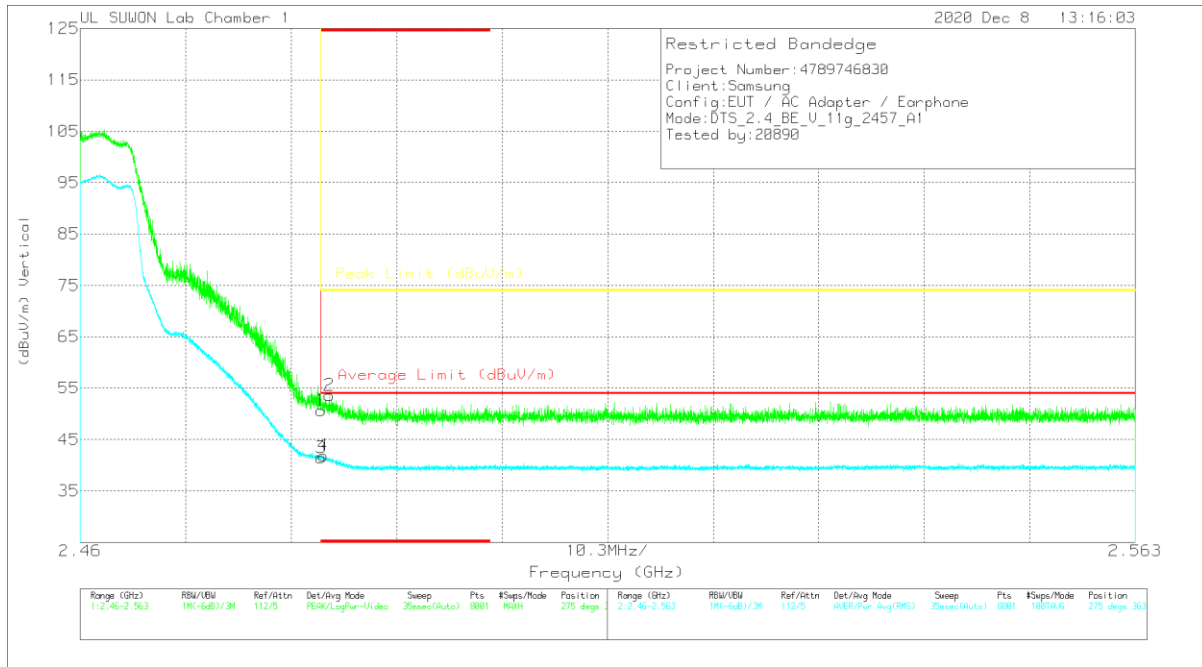


**Trace Markers**

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)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	48.96	Pk	32	-25.3	0	55.66	-	-	74	-18.34	178	378	H
2	* 2.4836	50.49	Pk	32	-25.3	0	57.19	-	-	74	-16.81	178	378	H
3	* 2.48351	37.05	RMS	32	-25.3	0	43.75	54	-10.25	-	-	178	378	H
4	* 2.48363	37.95	RMS	32	-25.3	0	44.65	54	-9.35	-	-	178	378	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



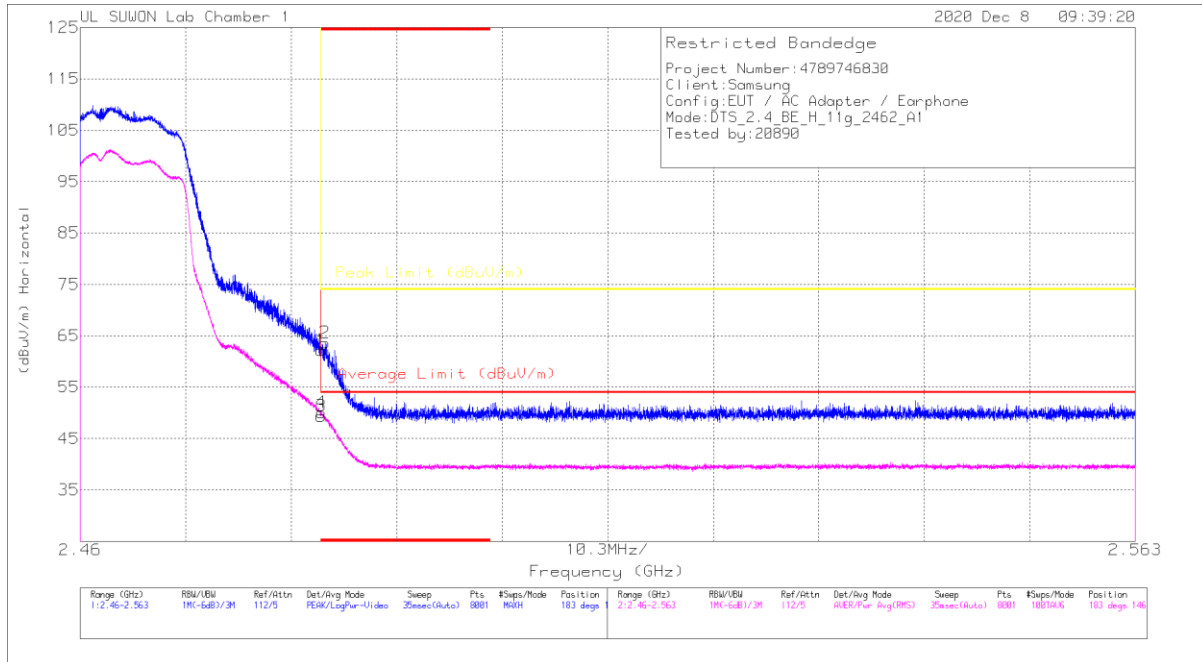
#### Trace Markers

Marker	Frequency (GHz)	Meas 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	43.99	PK	32	-25.3	0	50.69	-	-	74	-23.31	275	363	V
2	* 2.48432	46.93	PK	32	-25.2	0	53.53	-	-	74	-20.37	275	363	V
3	* 2.48351	34.79	RMS	32	-25.3	0	41.49	54	-12.51	-	-	275	363	V
4	* 2.48372	35.2	RMS	32	-25.3	0	41.9	54	-12.1	-	-	275	363	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 11)**

**HORIZONTAL RESULT**

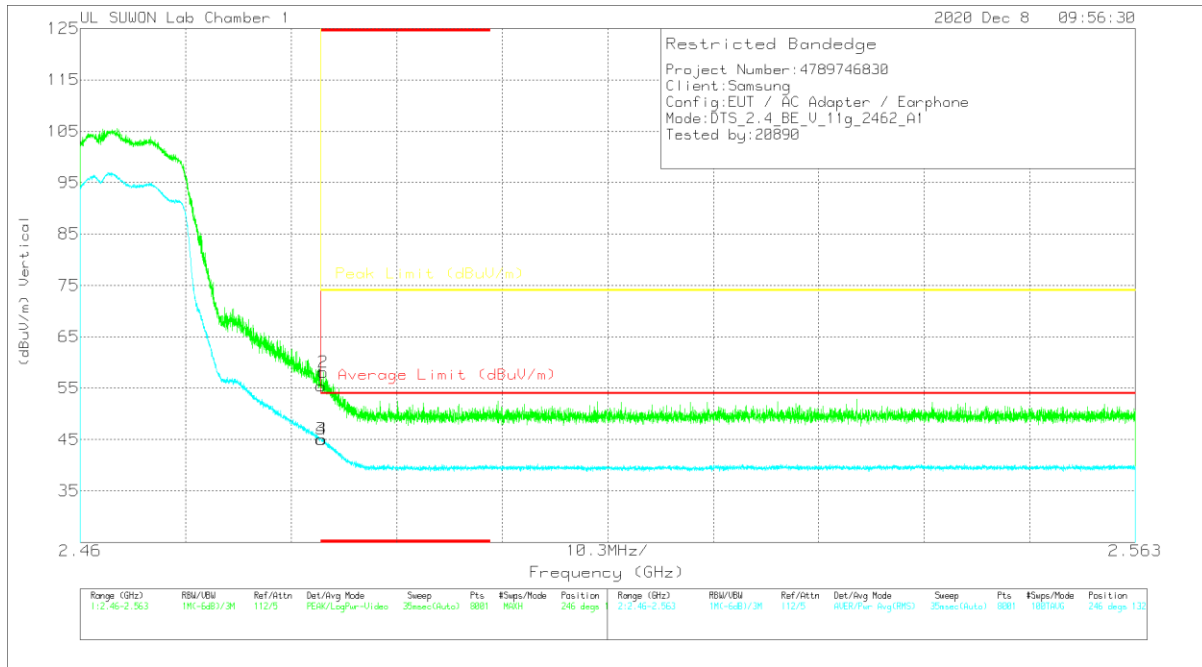


**Trace Markers**

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	55.48	Pk	32	-25.3	0	62.18	-	-	74	-11.82	183	146	H
2	* 2.48388	56.93	Pk	32	-25.3	0	63.63	-	-	74	-10.37	183	146	H
3	* 2.48351	42.69	RMS	32	-25.3	0	49.39	54	-4.61	-	-	183	146	H
4	* 2.48356	43.37	RMS	32	-25.3	0	50.07	54	-3.93	-	-	183	146	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



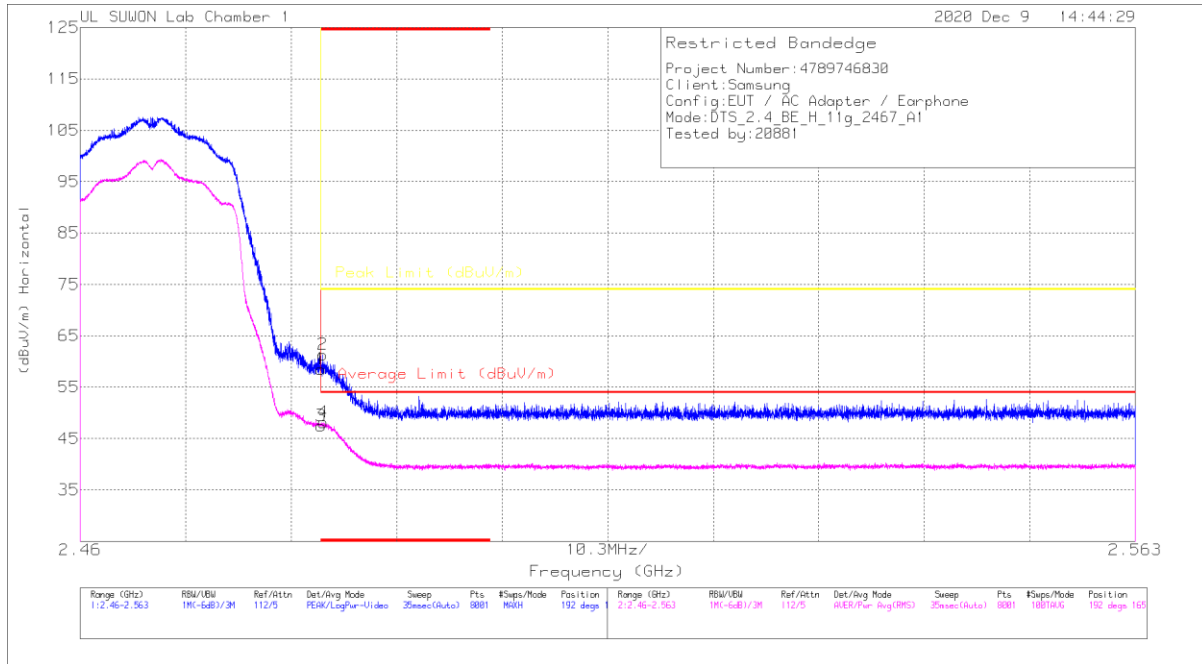
#### Trace Markers

Marker	Frequency (GHz)	Meas 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	48.76	PK	32	-25.3	0	55.46	-	-	74	-18.54	246	132	V
2	* 2.48374	51.39	PK	32	-25.3	0	58.09	-	-	74	-15.91	246	132	V
3	* 2.48351	38.39	RMS	32	-25.3	0	45.09	54	-8.91	-	-	246	132	V
4	* 2.48357	38.36	RMS	32	-25.3	0	45.06	54	-8.94	-	-	246	132	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 12)**

**HORIZONTAL RESULT**



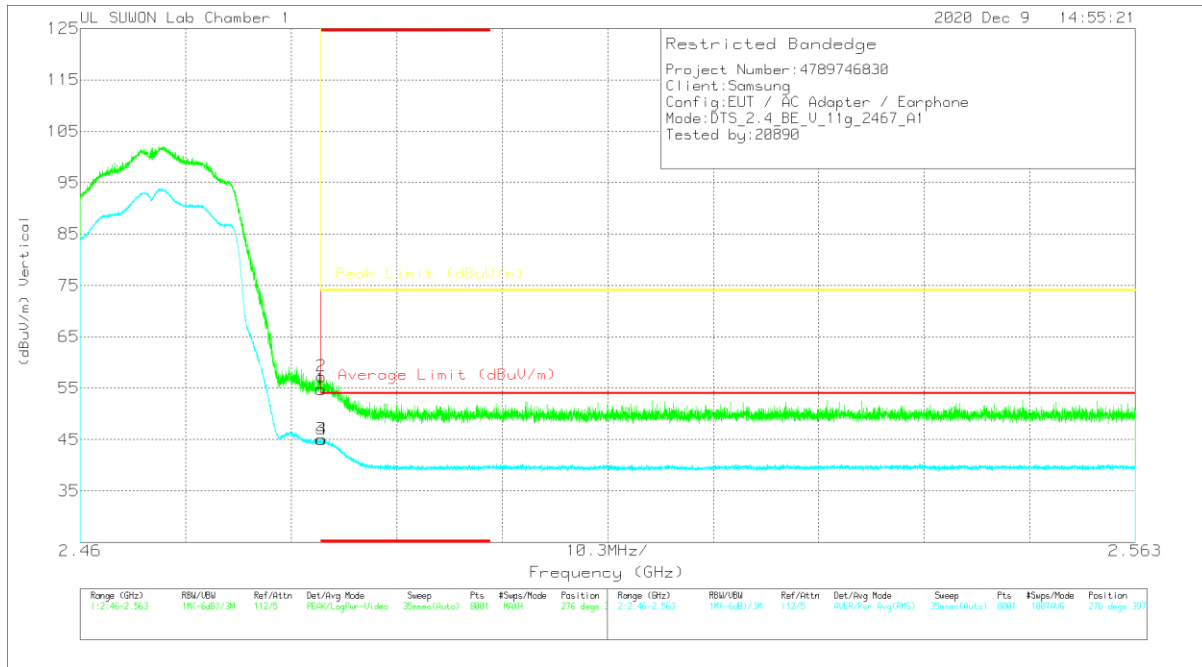
**Trace Markers**

Marker	Frequency (GHz)	Meas 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	51.8	Pk	32	-25.3	0	58.5	-	-	74	-15.5	192	165	H
2	* 2.48368	54.64	Pk	32	-25.3	0	61.34	-	-	74	-12.66	192	165	H
3	* 2.48351	40.78	RMS	32	-25.3	0	47.48	54	-6.52	-	-	192	165	H
4	* 2.48374	41.45	RMS	32	-25.3	0	48.15	54	-5.85	-	-	192	165	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection



### VERTICAL RESULT



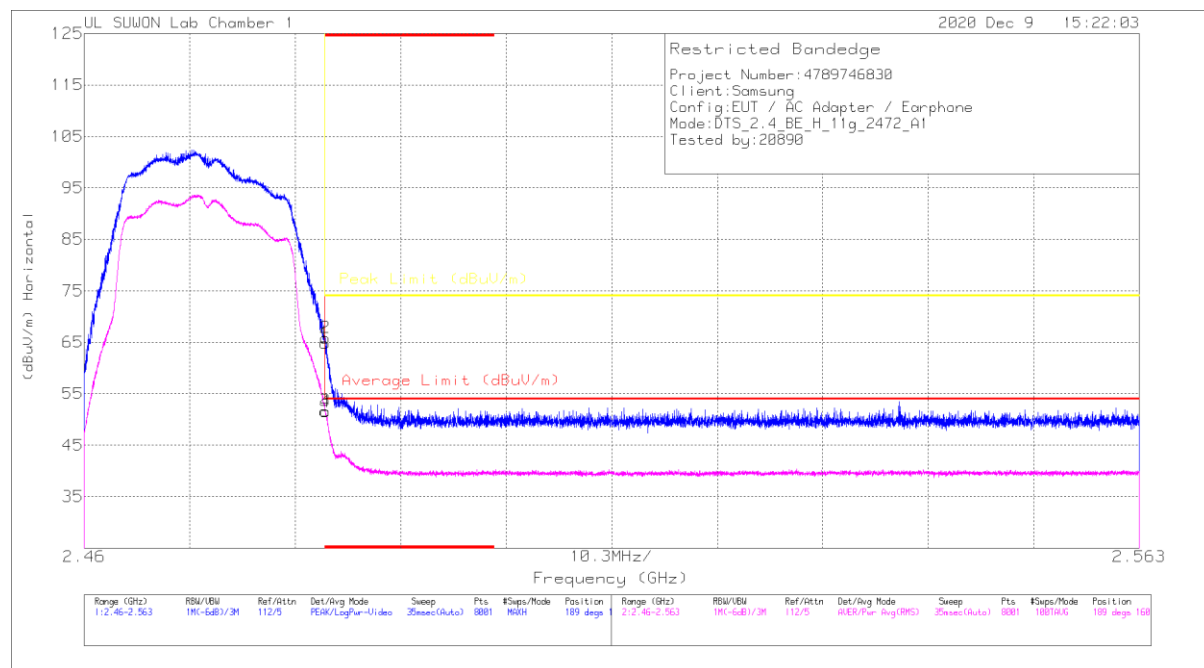
#### Trace Markers

Marker	Frequency (GHz)	Meas 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	48.07	PK	32	-25.3	0	54.77	-	-	74	-19.23	276	397	V
2	* 2.48354	50.61	PK	32	-25.3	0	57.31	-	-	74	-16.69	276	397	V
3	* 2.48351	38.39	RMS	32	-25.3	0	45.09	54	-8.91	-	-	276	397	V
4	* 2.48357	38.36	RMS	32	-25.3	0	45.06	54	-8.94	-	-	276	397	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**

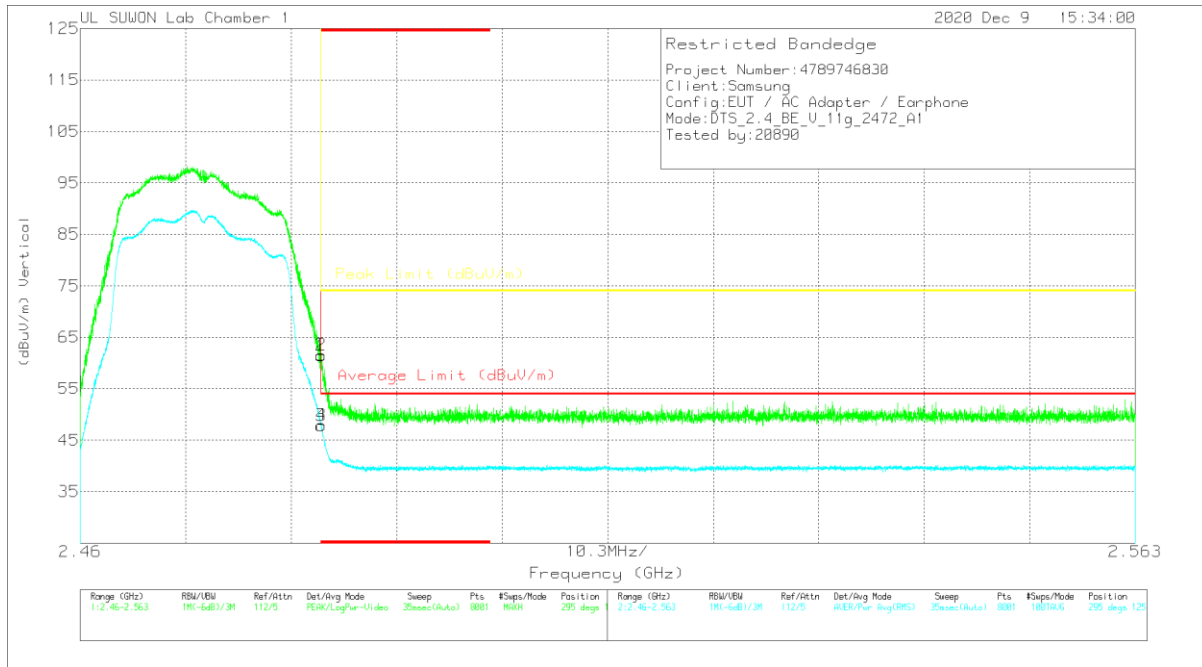


**Trace Markers**

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	58.12	Pk	32	-25.3	0	64.82	-	-	74	-9.18	189	160	H
2	* 2.48355	59.17	Pk	32	-25.3	0	65.87	-	-	74	-8.13	189	160	H
3	* 2.48351	44.98	RMS	32	-25.3	0	51.68	54	-2.32	-	-	189	160	H
4	* 2.48356	44.79	RMS	32	-25.3	0	51.49	54	-2.51	-	-	189	160	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT

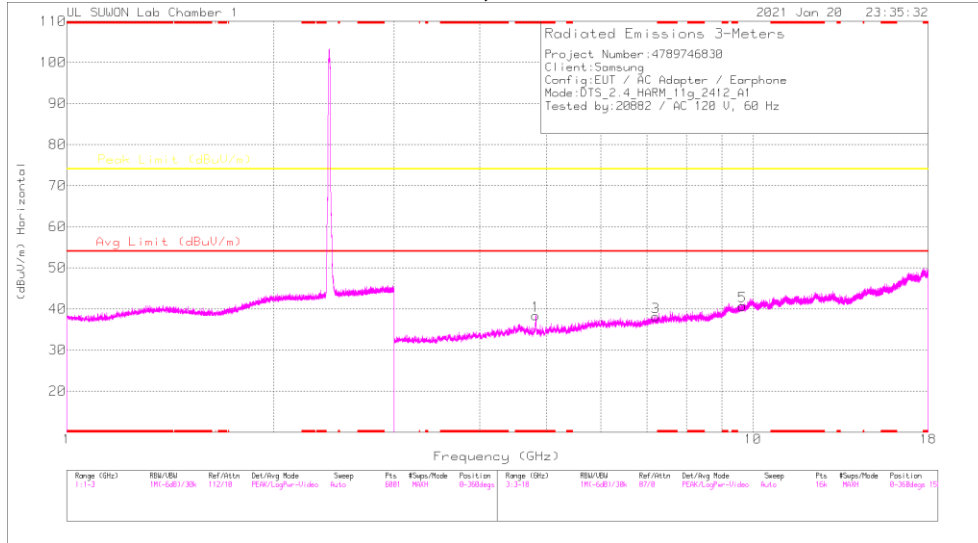


#### Trace Markers

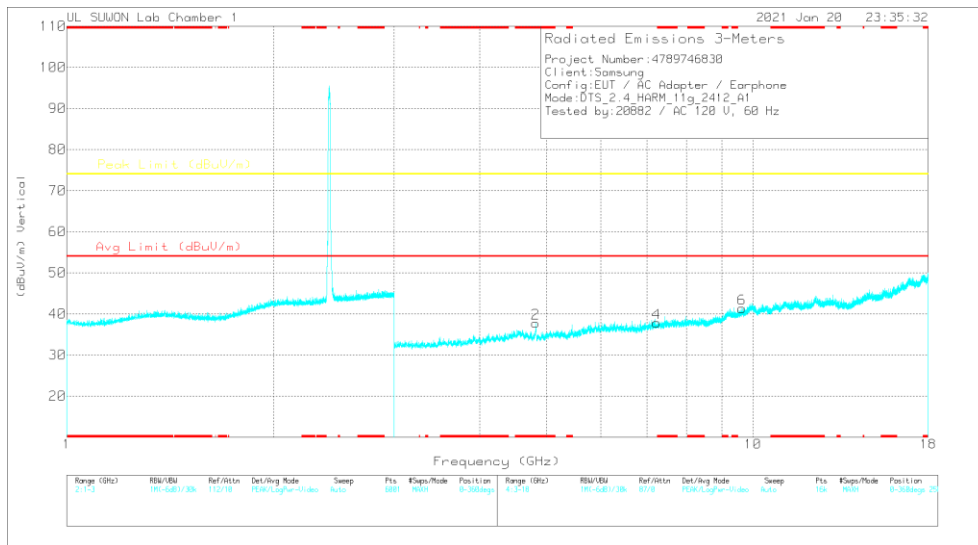
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168717	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	54.72	PK	32	-25.3	0	61.42	-	-	74	-12.58	295	125	V
2	* 2.48352	54.86	PK	32	-25.3	0	61.56	-	-	74	-12.44	295	125	V
3	* 2.48351	41.17	RMS	32	-25.3	0	47.87	54	-6.13	-	-	295	125	V
4	* 2.48356	41.22	RMS	32	-25.3	0	47.92	54	-6.08	-	-	295	125	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1 RESULTS



### HORIZONTAL



### VERTICAL

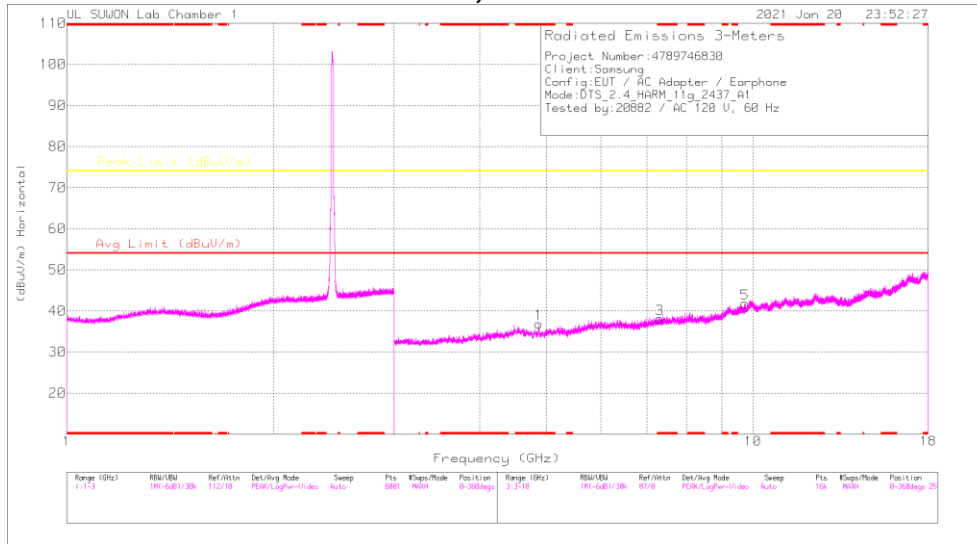
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### Radiated Emissions

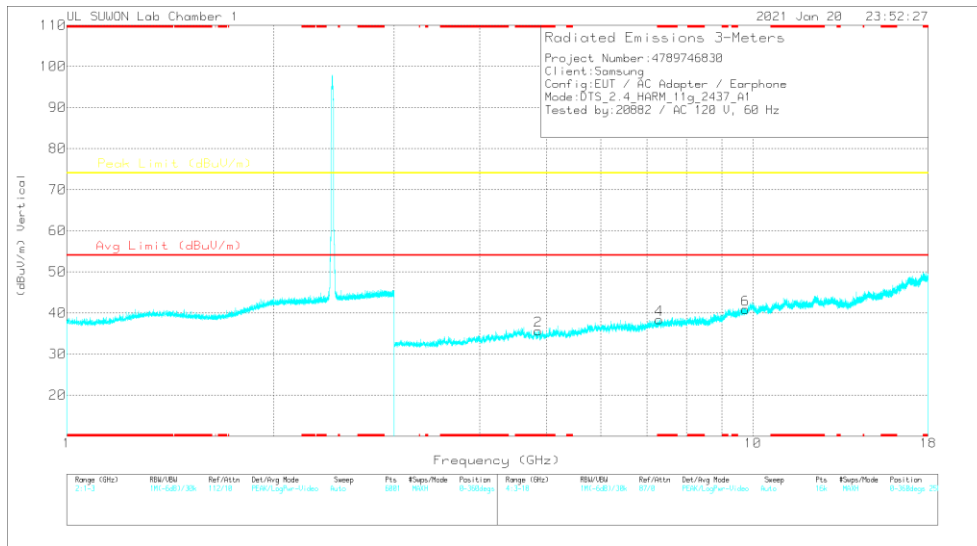
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82382	44.54	PK2	34.1	-31.3	0	47.34	-	-	74	-26.66	182	100	H
* 4.82392	32.12	MAV1	34.1	-31.3	0	34.92	54	-19.08	-	-	182	100	H
* 4.8244	44.59	PK2	34.1	-31.3	0	47.39	-	-	74	-26.61	132	328	V
* 4.82396	32.14	MAV1	34.1	-31.3	0	34.94	54	-19.06	-	-	132	328	V
7.23642	38.11	PK2	35.8	-27.6	0	46.31	-	-	74	-27.69	0	100	H
7.23782	38.7	PK2	35.8	-27.6	0	46.9	-	-	74	-27.1	0	100	V
9.64861	35.21	PK2	37.2	-23.2	0	49.21	-	-	74	-24.79	0	100	H
9.64996	35.52	PK2	37.2	-23.1	0	49.62	-	-	74	-24.38	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

### MID CHANNEL, CH 6 RESULTS



### HORIZONTAL



### VERTICAL

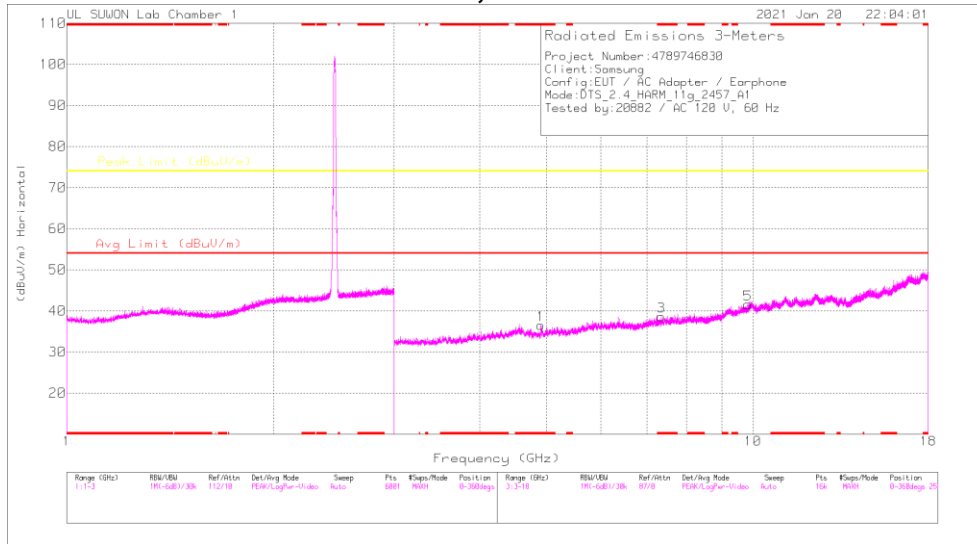
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### Radiated Emissions

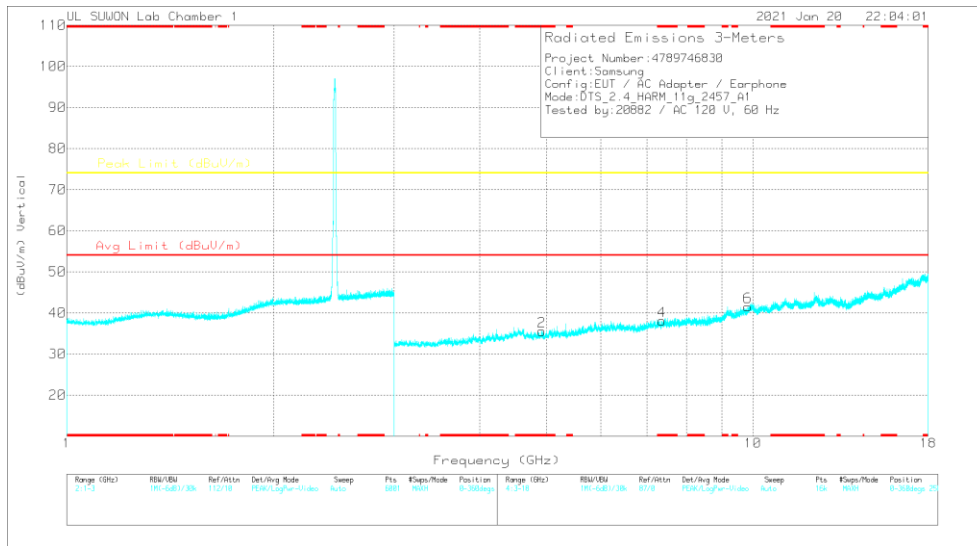
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87524	43.35	PK2	34.1	-31.3	0	46.15	-	-	74	-27.85	180	373	H
* 4.87378	31.24	MAV1	34.1	-31.3	0	34.04	54	-19.96	-	-	180	373	H
* 4.87844	43	PK2	34.1	-31.4	0	45.7	-	-	74	-28.3	187	287	V
* 4.8738	30.72	MAV1	34.1	-31.3	0	33.52	54	-20.48	-	-	187	287	V
* 7.31039	38.56	PK2	35.8	-27.4	0	46.96	-	-	74	-27.04	0	100	H
* 7.31091	39.21	PK2	35.8	-27.4	0	47.61	-	-	74	-26.39	0	100	V
9.74814	35.52	PK2	37.4	-23.7	0	49.22	-	-	74	-24.78	0	100	H
9.74782	35.6	PK2	37.4	-23.7	0	49.3	-	-	74	-24.7	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

### HIGH CHANNEL, CH 10 RESULTS



### HORIZONTAL



### 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.

### Radiated Emissions

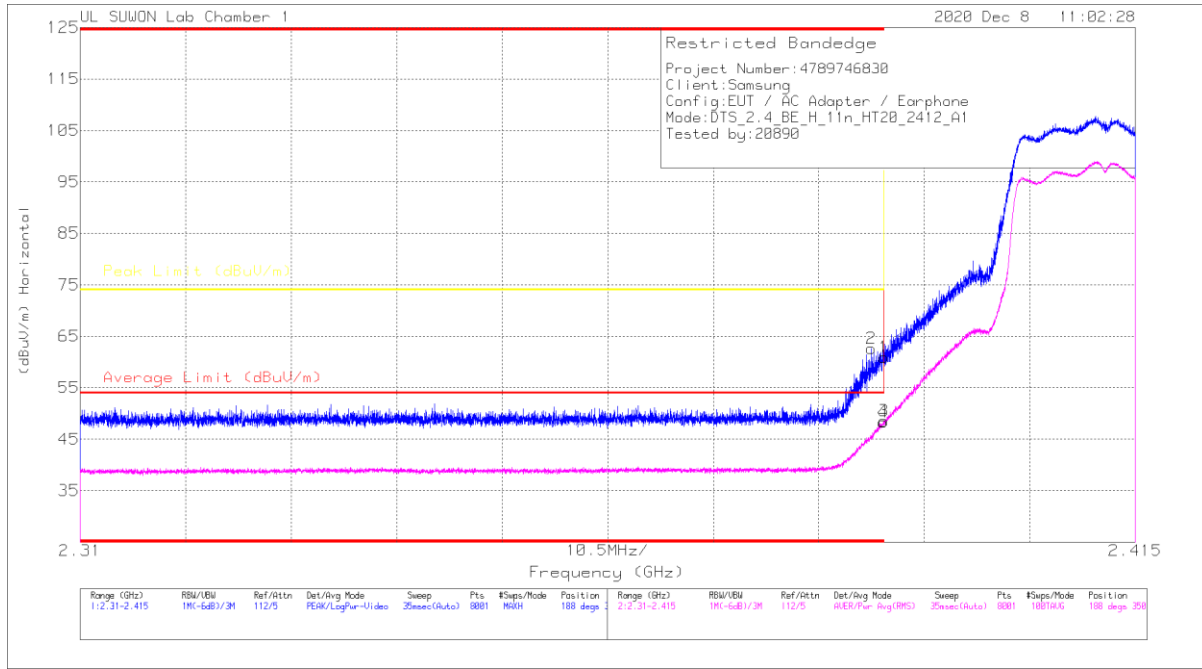
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.9169	43.56	PK2	34.1	-31.5	0	46.16	-	-	74	-27.84	185	149	H
* 4.91398	31.29	MAV1	34.1	-31.5	0	33.89	54	-20.11	-	-	185	149	H
* 4.90984	42.41	PK2	34.1	-31.4	0	45.11	-	-	74	-28.89	184	286	V
* 4.91798	30.51	MAV1	34.1	-31.5	0	33.11	54	-20.89	-	-	184	286	V
* 7.37262	37.73	PK2	35.8	-27	0	46.53	-	-	74	-27.47	0	100	H
* 7.36958	38.21	PK2	35.8	-27.1	0	46.91	-	-	74	-27.09	0	100	V
9.82916	35.83	PK2	37.6	-23.3	0	50.13	-	-	74	-23.87	0	100	H
9.82806	35.66	PK2	37.6	-23.3	0	49.96	-	-	74	-24.04	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

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

**BANDEDGE (LOW CHANNEL, CH 1)**

**HORIZONTAL RESULT**

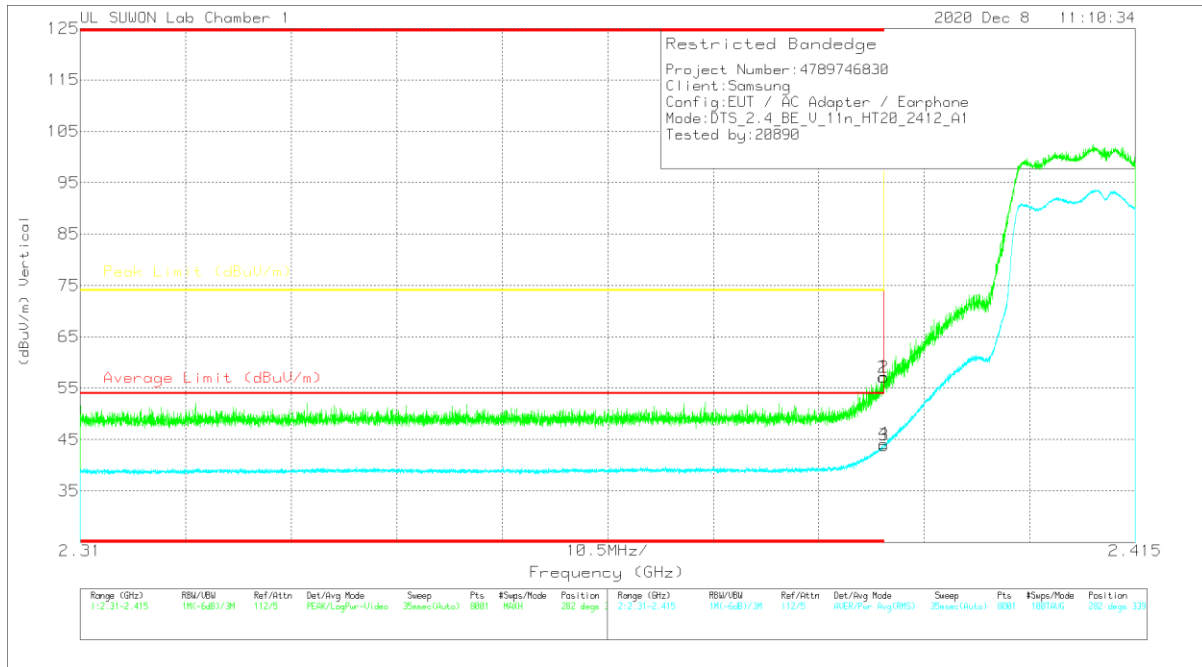


**Trace Markers**

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	54.69	Pk	31.8	-25.6	0	60.89	-	-	74	-13.11	188	350	H
2	* 2.38872	56.31	Pk	31.8	-25.5	0	62.61	-	-	74	-11.39	188	350	H
3	* 2.39	42.33	RMS	31.8	-25.6	0	48.53	54	-5.47	-	-	188	350	H
4	* 2.38992	42.15	RMS	31.8	-25.6	0	48.35	54	-5.65	-	-	188	350	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



#### Trace Markers

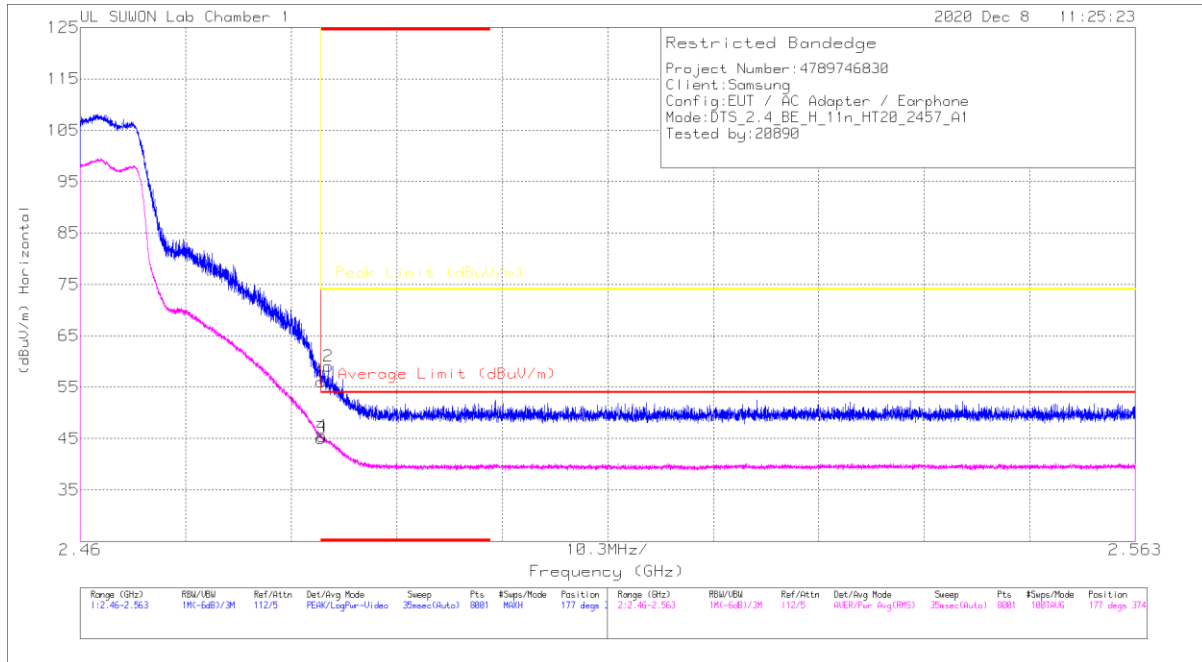
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168717	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.01	PK		31.8	-25.6	0	57.21	-	74	-16.79	282	339	V
2	* 2.38994	50.92	PK		31.8	-25.6	0	57.12	-	74	-16.88	282	339	V
3	* 2.39	37.66	RMS		31.8	-25.6	0	43.86	54	-10.14	-	292	339	V
4	* 2.38996	38.02	RMS		31.8	-25.6	0	44.22	54	-9.78	-	282	339	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection



**BANDEDGE (HIGH CHANNEL, CH 10)**

**HORIZONTAL RESULT**

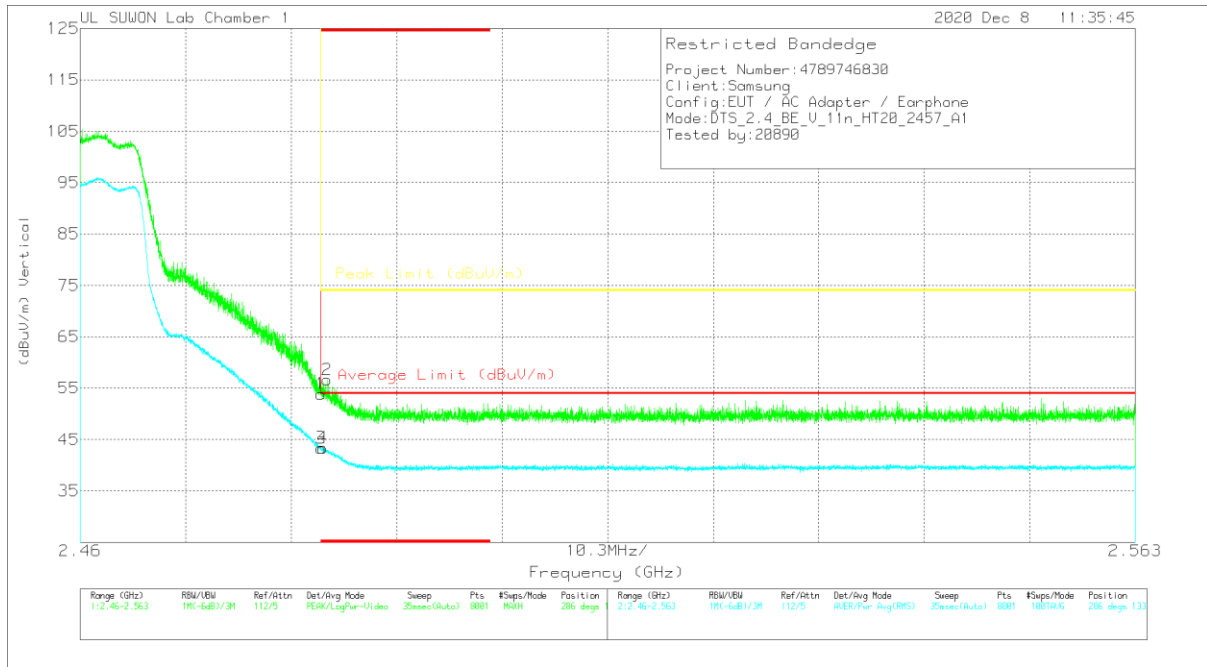


**Trace Markers**

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	49.36	Pk	32	-25.3	0	56.06	-	-	74	-17.94	177	374	H
2	* 2.48424	52.36	Pk	32	-25.3	0	59.06	-	-	74	-14.94	177	374	H
3	* 2.48351	38.34	RMS	32	-25.3	0	45.04	54	-8.96	-	-	177	374	H
4	* 2.48363	38.76	RMS	32	-25.3	0	45.46	54	-8.54	-	-	177	374	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



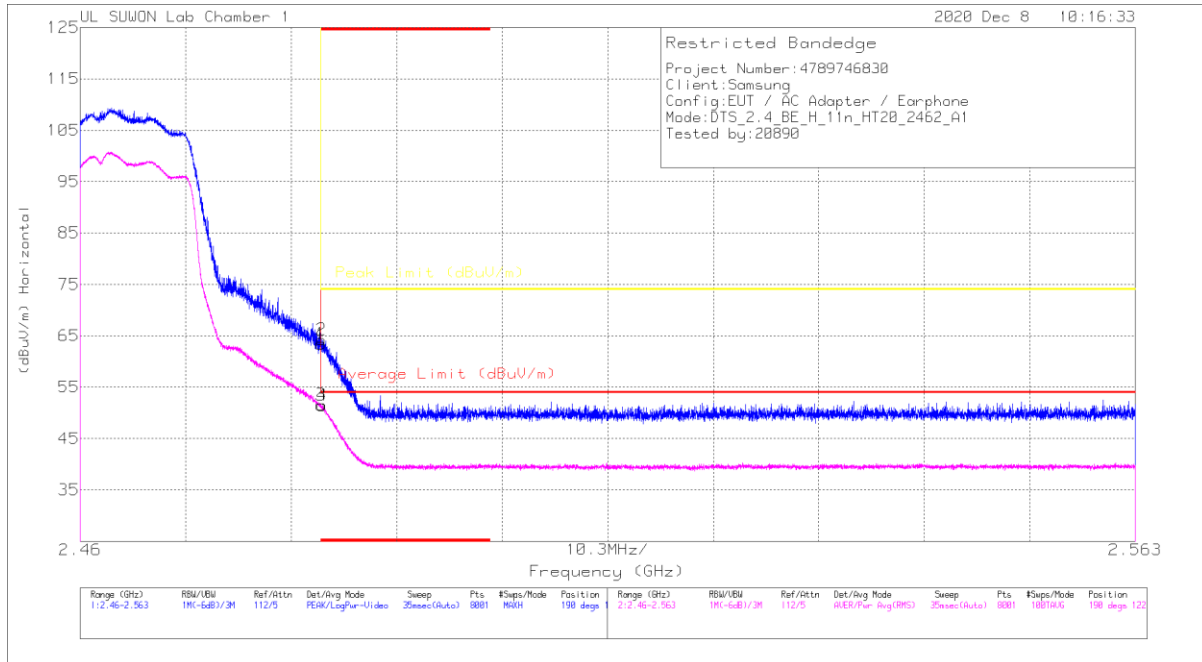
#### Trace Markers

Marker	Frequency (GHz)	Meas 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	47.18	PK	32	-25.3	0	53.88	-	-	74	-20.12	286	133	V
2	* 2.48411	48.93	PK	32	-25.3	0	56.63	-	-	74	-17.37	286	133	V
3	* 2.48351	36.63	RMS	32	-25.3	0	43.33	54	-10.67	-	-	286	133	V
4	* 2.48369	36.68	RMS	32	-25.3	0	43.38	54	-10.62	-	-	286	133	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 11)**

**HORIZONTAL RESULT**

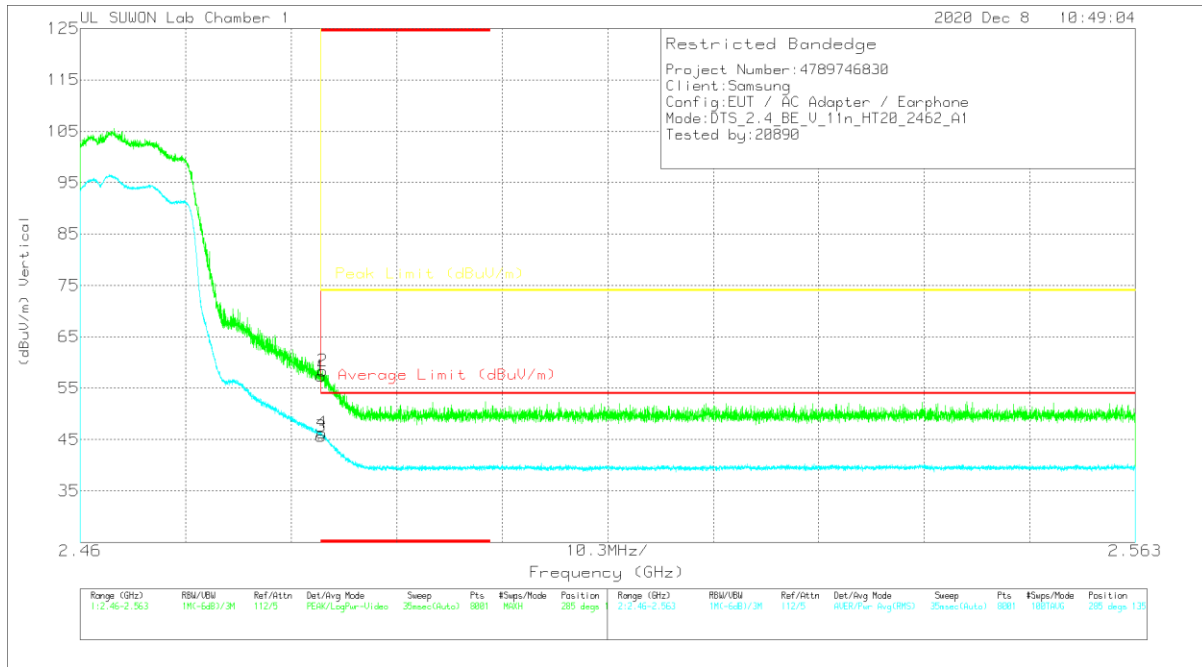


**Trace Markers**

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	56.75	Pk	32	-25.3	0	63.45	-	-	74	-10.55	190	122	H
2	* 2.48356	57.53	Pk	32	-25.3	0	64.23	-	-	74	-9.77	190	122	H
3	* 2.48351	44.85	RMS	32	-25.3	0	51.55	54	-2.45	-	-	190	122	H
4	* 2.4836	44.77	RMS	32	-25.3	0	51.47	54	-2.53	-	-	190	122	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



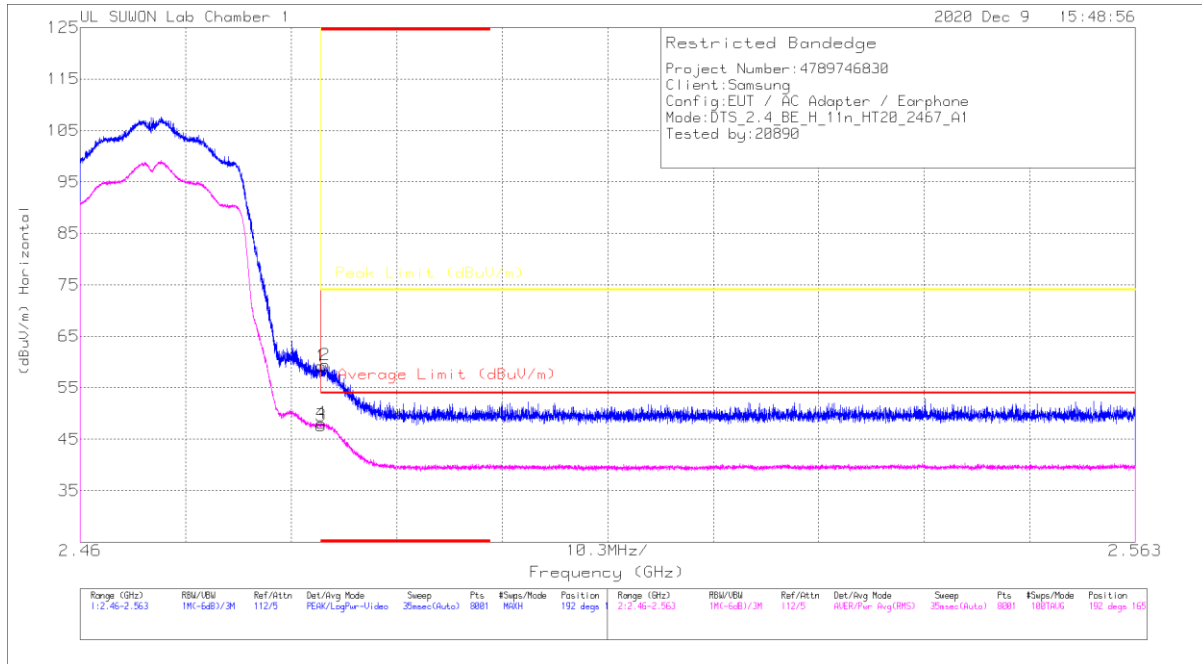
#### Trace Markers

Marker	Frequency (GHz)	Meas 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	50.65	PK	32	-25.3	0	57.35	-	-	74	-16.65	285	135	V
2	* 2.48368	51.67	PK	32	-25.3	0	58.37	-	-	74	-15.63	285	135	V
3	* 2.48351	38.93	RMS	32	-25.3	0	45.63	54	-8.37	-	-	285	135	V
4	* 2.48359	39.6	RMS	32	-25.3	0	46.3	54	-7.7	-	-	285	135	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 12)**

**HORIZONTAL RESULT**

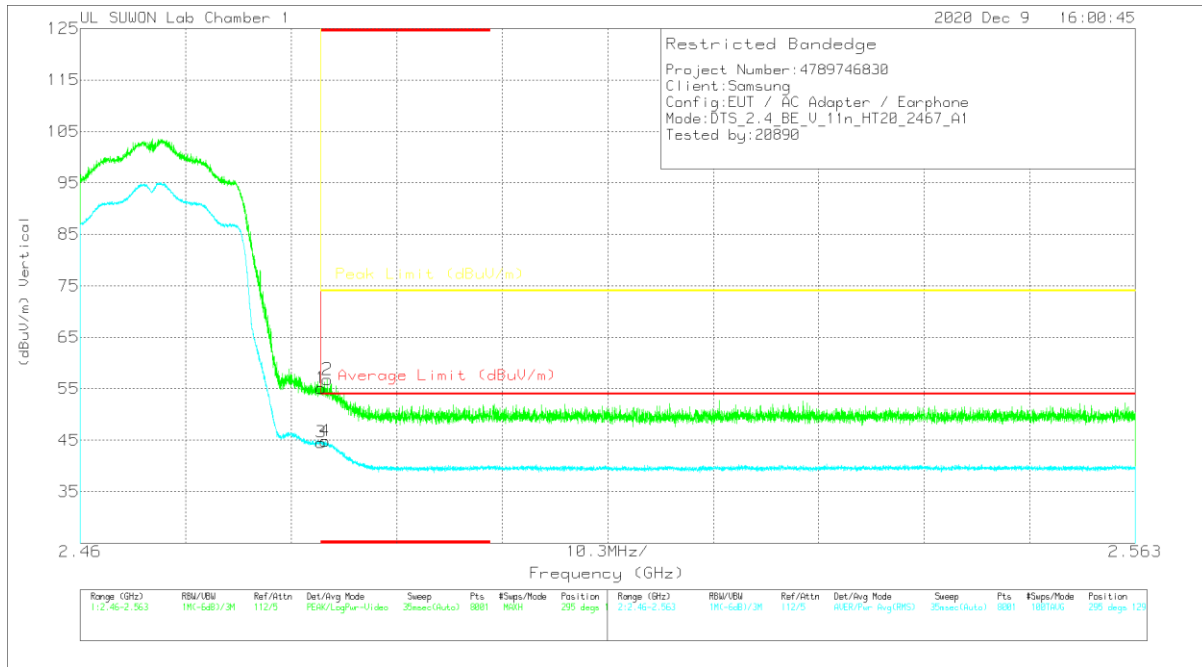


**Trace Markers**

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	52.5	Pk	32	-25.3	0	59.2	-	-	74	-14.8	192	165	H
2	* 2.48391	52.7	Pk	32	-25.3	0	59.4	-	-	74	-14.6	192	165	H
3	* 2.48351	40.94	RMS	32	-25.3	0	47.64	54	-6.36	-	-	192	165	H
4	* 2.48355	41.41	RMS	32	-25.3	0	48.11	54	-5.89	-	-	192	165	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



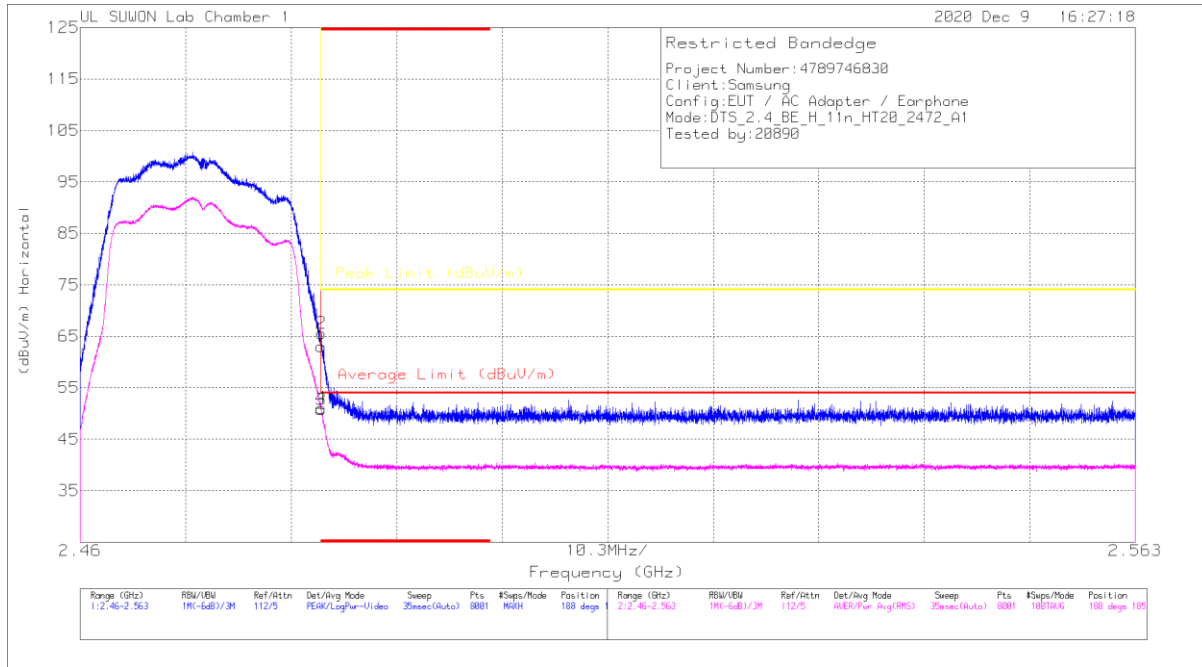
#### Trace Markers

Marker	Frequency (GHz)	Meas 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	48.42	PK	32	-25.3	0	55.12	-	-	74	-18.88	295	129	V
2	* 2.48413	50.08	PK	32	-25.3	0	56.78	-	-	74	-17.22	295	129	V
3	* 2.48351	37.89	RMS	32	-25.3	0	44.59	54	-9.41	-	-	295	129	V
4	* 2.48393	38.15	RMS	32	-25.3	0	44.85	54	-9.15	-	-	295	129	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**

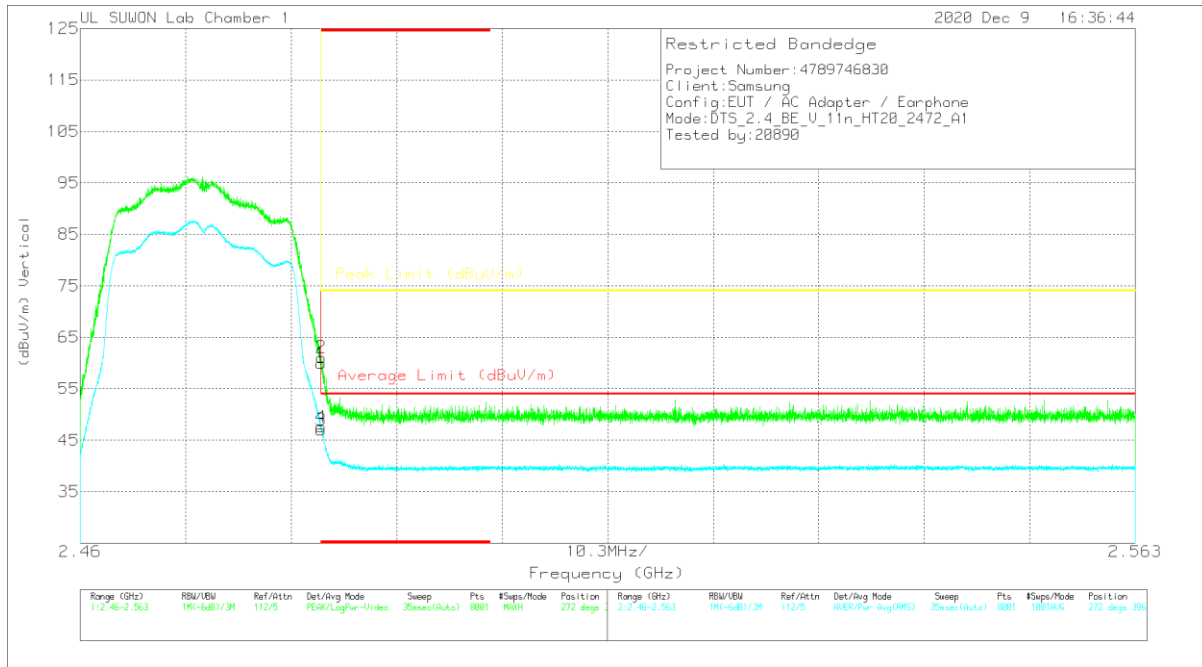


**Trace Markers**

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	56.33	Pk	32	-25.3	0	63.03	-	-	74	-10.97	188	185	H
2	* 2.48356	58.88	Pk	32	-25.3	0	65.58	-	-	74	-8.42	188	185	H
3	* 2.48351	44.06	RMS	32	-25.3	0	50.76	54	-3.24	-	-	188	185	H
4	* 2.48352	44.33	RMS	32	-25.3	0	51.03	54	-2.97	-	-	188	185	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



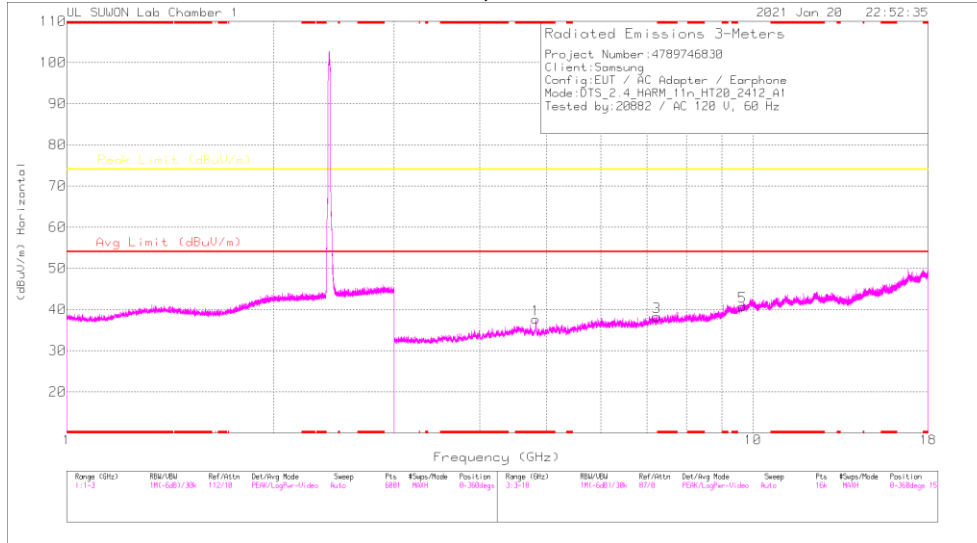
#### Trace Markers

Marker	Frequency (GHz)	Meas 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	53.22	PK	32	-25.3	0	59.92	-	-	74	-14.08	272	396	V
2	* 2.48355	54.39	PK	32	-25.3	0	61.09	-	-	74	-12.91	272	396	V
3	* 2.48351	40.3	RMS	32	-25.3	0	47	54	-7	-	-	272	396	V
4	* 2.48352	40.88	RMS	32	-25.3	0	47.58	54	-6.42	-	-	272	396	V

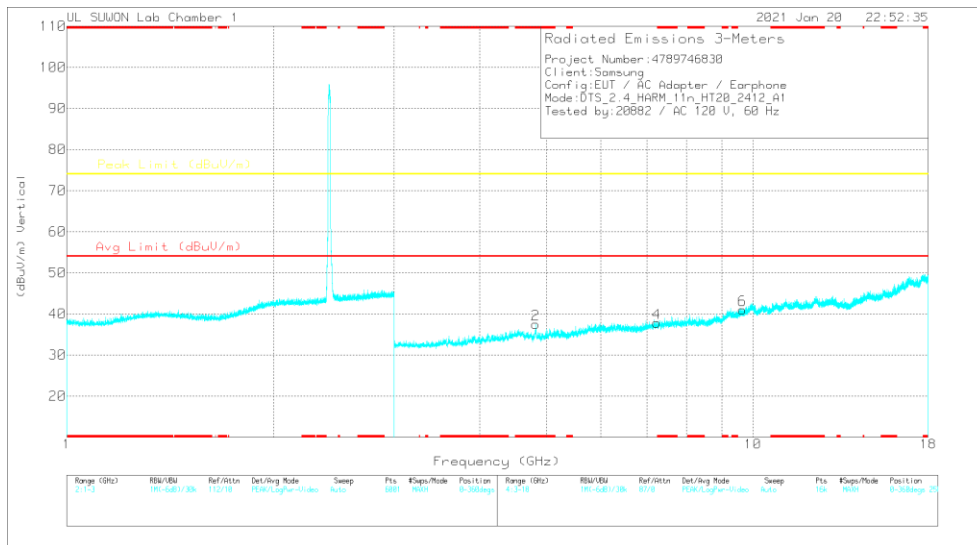
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection



## HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1 RESULTS



### HORIZONTAL



### VERTICAL

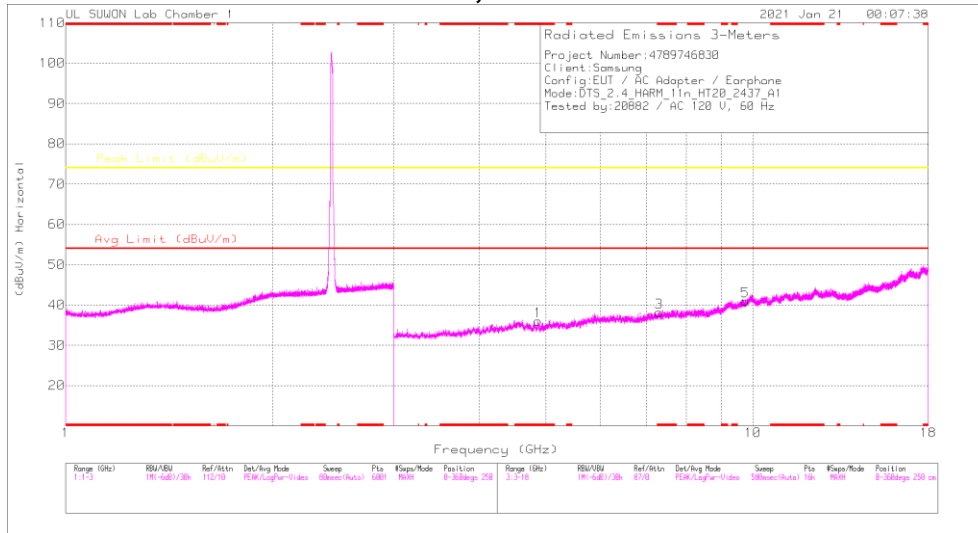
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### Radiated Emissions

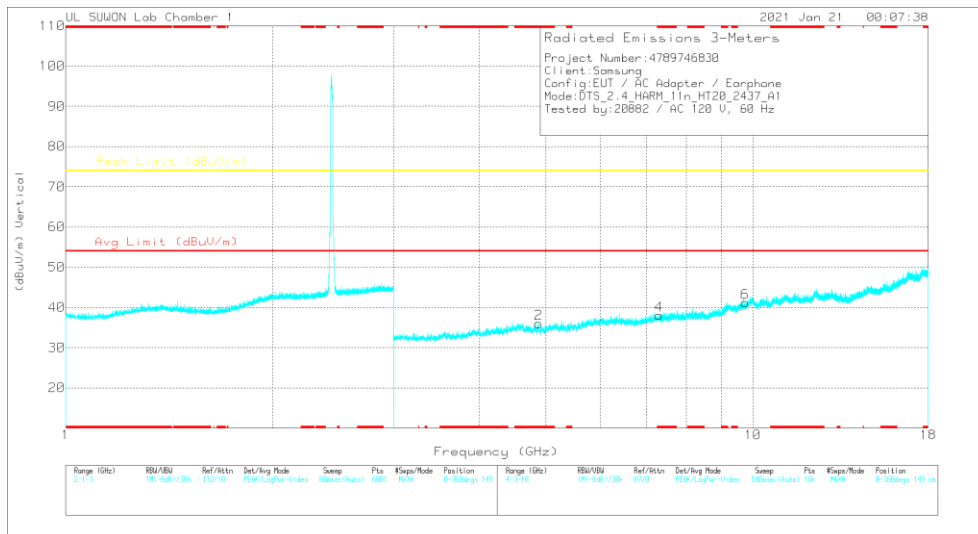
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82426	44.61	PK2	34.1	-31.3	0	47.41	-	-	74	-26.59	177	148	H
* 4.82414	32.39	MAV1	34.1	-31.3	0	35.19	54	-18.81	-	-	177	148	H
* 4.82648	43.77	PK2	34.1	-31.3	0	46.57	-	-	74	-27.43	132	306	V
* 4.82372	31.91	MAV1	34.1	-31.3	0	34.71	54	-19.29	-	-	132	306	V
7.23568	38.12	PK2	35.8	-27.6	0	46.32	-	-	74	-27.68	0	100	H
7.23693	38.62	PK2	35.8	-27.6	0	46.82	-	-	74	-27.18	0	100	V
9.64774	35.02	PK2	37.2	-23.1	0	49.12	-	-	74	-24.88	0	100	H
9.64748	35.29	PK2	37.2	-23.1	0	49.39	-	-	74	-24.61	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

### MID CHANNEL, CH 6 RESULTS



### HORIZONTAL



### VERTICAL

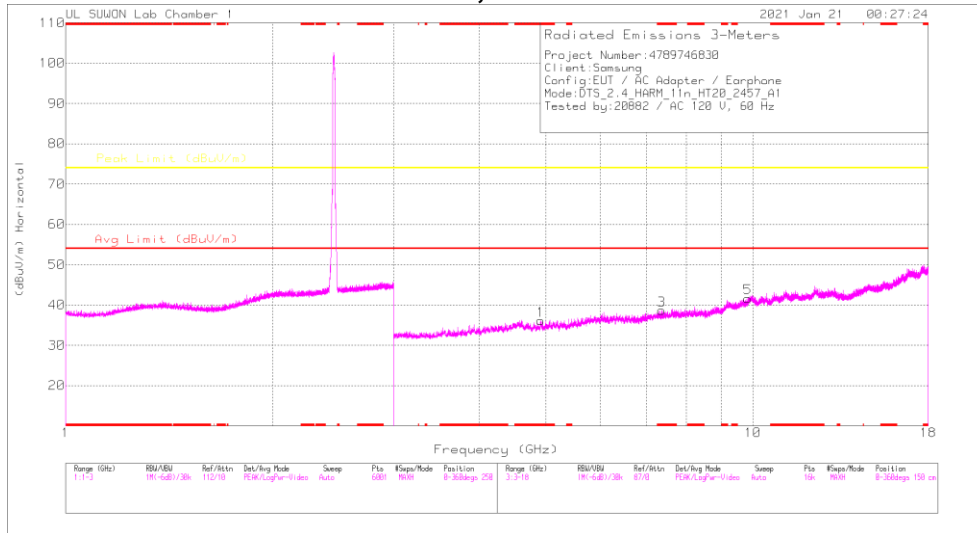
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### Radiated Emissions

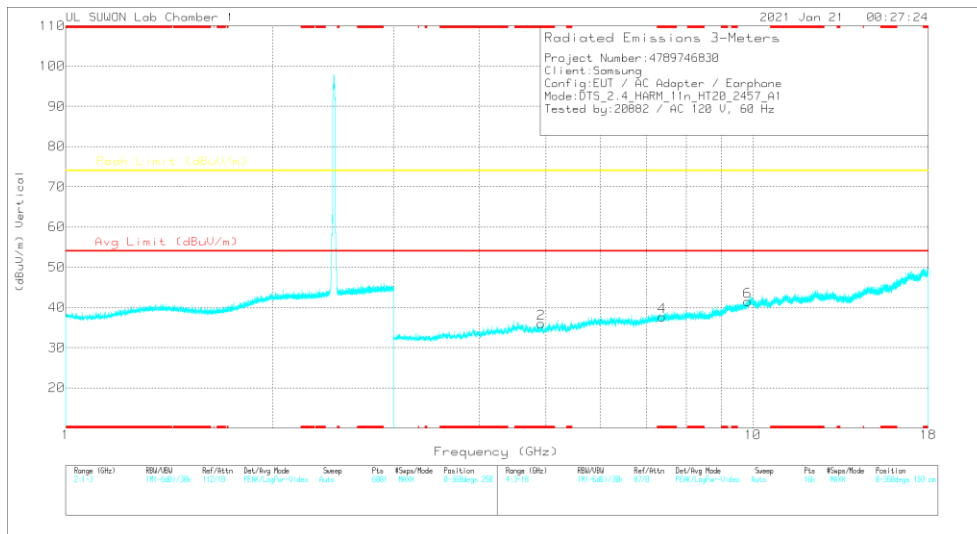
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.8741	41.9	PK2	34.1	-31.3	0	44.7	-	-	74	-29.3	0	100	H
* 4.8723	41.77	PK2	34.1	-31.3	0	44.57	-	-	74	-29.43	0	100	V
* 7.31192	38.8	PK2	35.8	-27.4	0	47.2	-	-	74	-26.8	0	100	H
* 7.31032	38.51	PK2	35.8	-27.4	0	46.91	-	-	74	-27.09	0	100	V
9.748	35.29	PK2	37.4	-23.7	0	48.99	-	-	74	-25.01	0	100	H
9.74797	35.52	PK2	37.4	-23.7	0	49.22	-	-	74	-24.78	0	100	V

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

### HIGH CHANNEL, CH 10 RESULTS



### HORIZONTAL



### VERTICAL

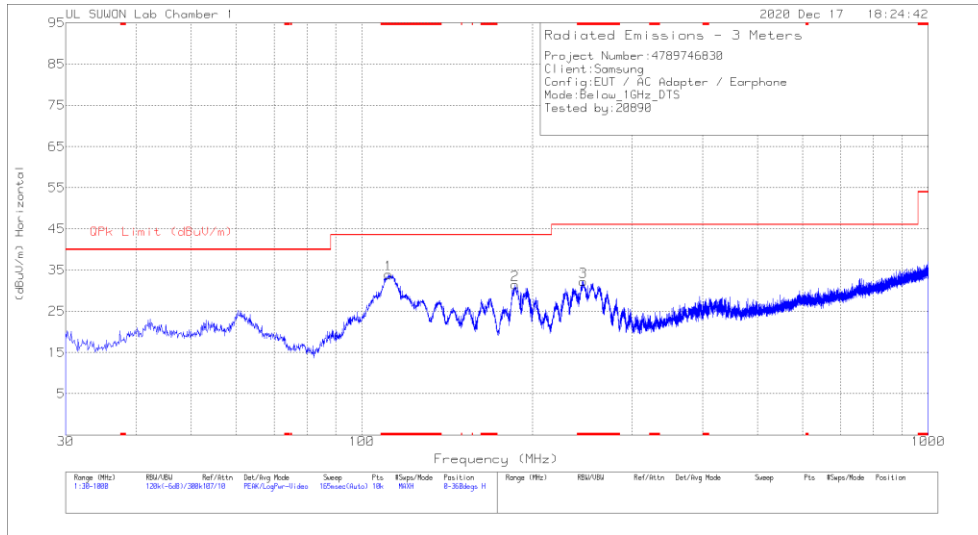
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### Radiated Emissions

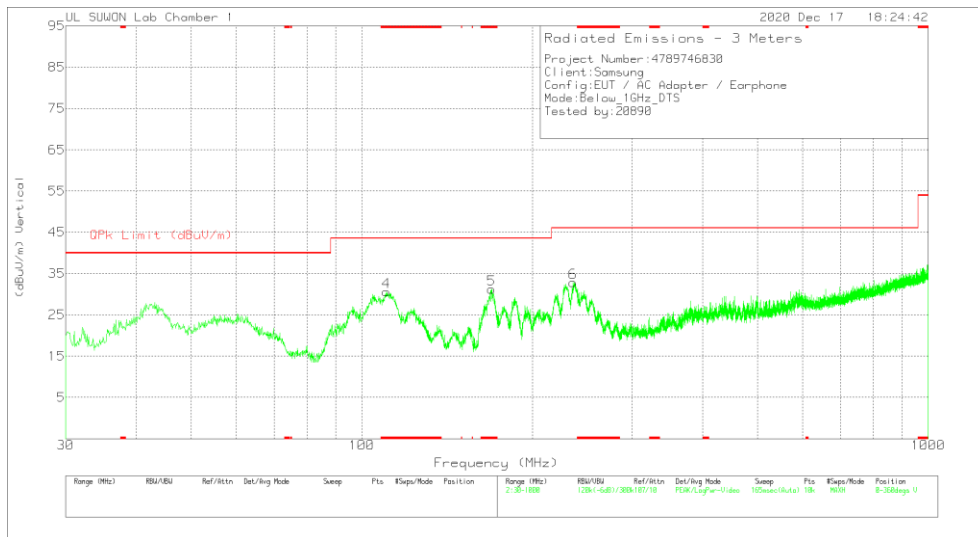
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.91571	41.4	PK2	34.1	-31.4	0	44.1	-	-	74	-29.9	0	100	H
* 4.9138	41.78	PK2	34.1	-31.5	0	44.38	-	-	74	-29.62	0	100	V
* 7.36962	38.21	PK2	35.8	-27.1	0	46.91	-	-	74	-27.09	0	100	H
* 7.36983	38.43	PK2	35.8	-27.1	0	47.13	-	-	74	-26.87	0	100	V
9.82453	36.01	PK2	37.6	-23.4	0	50.21	-	-	74	-23.79	0	100	H
9.82427	35.46	PK2	37.6	-23.4	0	49.66	-	-	74	-24.34	0	100	V

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

## 10.2. WORST CASE BELOW 1 GHZ



**HORIZONTAL**



**VERTICAL**

### Below 1GHz DATA

#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	Corrected Reading (dBuV/m)	OPK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 111.383	46.84	Pk	16.7	-29.6	33.94	43.52	-9.58	0-360	200	H
2	186.461	44.14	Pk	16	-28.7	31.44	43.52	-12.08	0-360	100	H
3	* 245.922	41.84	Pk	18.4	-28	32.24	46.02	-13.78	0-360	100	H
4	* 110.51	43.21	Pk	17	-29.6	30.61	43.52	-12.91	0-360	300	V
5	* 169.583	45.4	Pk	14.6	-28.8	31.2	43.52	-12.32	0-360	100	V
6	235.931	43.07	Pk	18	-28.2	32.87	46.02	-13.15	0-360	100	V

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

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

\* Decreases with the logarithm of the frequency.

### TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

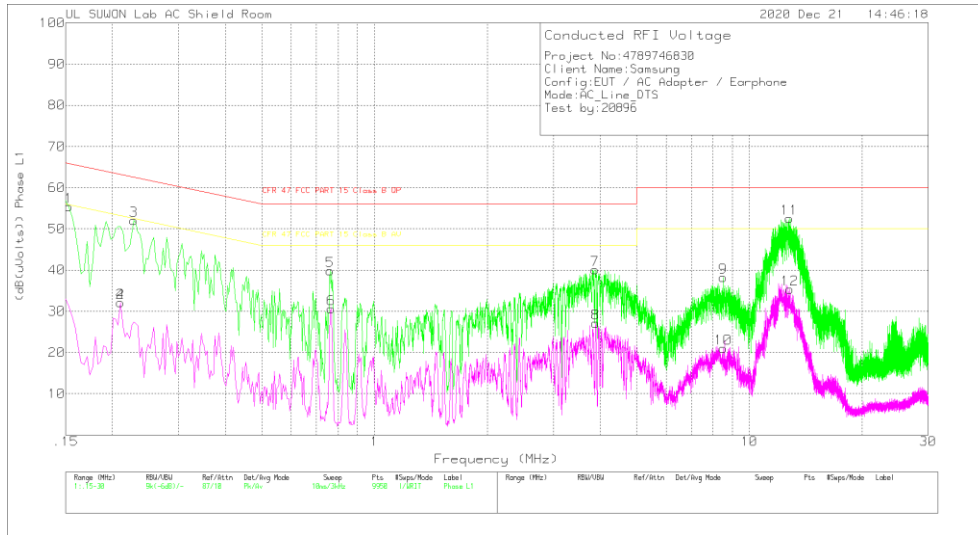
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

11.1.1. AC Power Line

LINE 1 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_L1[dB]	CABLELOS S(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	.153	45.46	Pk	9.8	.1	55.36	65.84	-10.48	-	-
2	.21	22.03	Av	9.9	.2	32.13	-	-	53.21	-21.08
3	.228	42.02	Pk	9.8	.2	52.02	62.52	-10.5	-	-
4	.21	22.03	Av	9.9	.2	32.13	-	-	53.21	-21.08
5	.762	29.77	Pk	9.9	.2	39.87	56	-16.13	-	-
6	.765	20.55	Av	9.9	.2	30.65	-	-	46	-15.35
7	3.879	29.97	Pk	9.8	.3	40.07	56	-15.93	-	-
8	3.888	16.99	Av	9.8	.3	27.09	-	-	46	-18.91
9	8.517	28.03	Pk	9.9	.3	38.23	60	-21.77	-	-
10	8.517	10.86	Av	9.9	.3	21.06	-	-	50	-28.94
11	12.777	42.21	Pk	10	.3	52.51	60	-7.49	-	-
12	12.804	24.9	Av	10	.4	35.3	-	-	50	-14.7

Pk - Peak detector

Av - Average detection

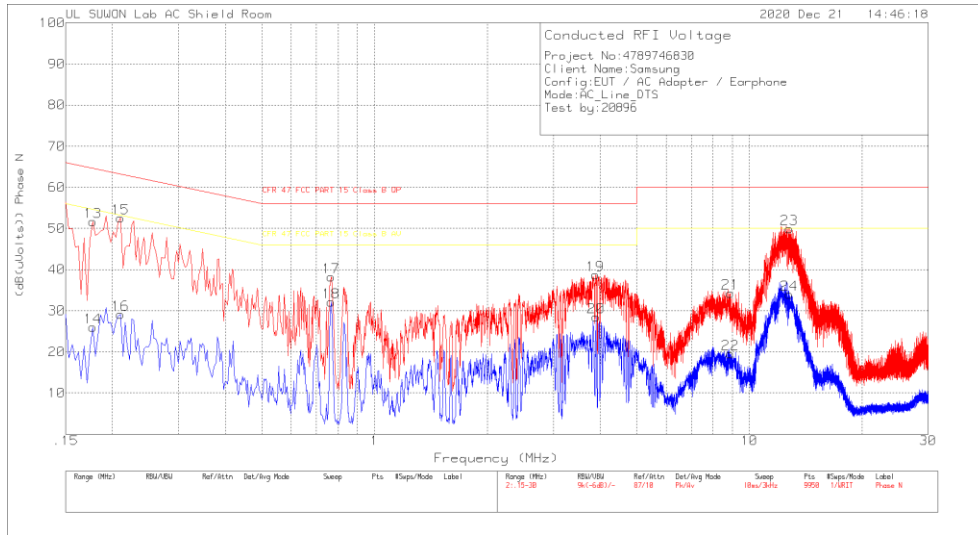
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_L1[dB]	CABLELOS S(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)
12.7763	34.91	Qp	10	.3	45.21	60	-14.79	-	-

Qp - Quasi-Peak detector

### LINE 2 RESULTS



#### Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_N[dB]	CABLELOS S(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	.177	41.48	Pk	10	.2	51.68	64.63	-12.95	-	-
14	.177	15.78	Av	10	.2	25.98	-	-	54.63	-28.65
15	.21	42.43	Pk	9.9	.2	52.53	63.21	-10.68	-	-
16	.21	19.02	Av	9.9	.2	29.12	-	-	53.21	-24.09
17	.765	28.14	Pk	9.9	.2	38.24	56	-17.76	-	-
18	.765	22.02	Av	9.9	.2	32.12	-	-	46	-13.88
19	3.882	28.65	Pk	9.8	.3	38.75	56	-17.25	-	-
20	3.897	18.37	Av	9.8	.3	28.47	-	-	46	-17.53
21	8.889	23.99	Pk	9.9	.4	34.29	60	-25.71	-	-
22	8.904	9.27	Av	9.9	.4	19.57	-	-	50	-30.43
23	12.783	39.59	Pk	10	.3	49.89	60	-10.11	-	-
24	12.762	23.69	Av	10	.3	33.99	-	-	50	-16.01

Pk - Peak detector  
 Av - Average detection

## END OF TEST REPORT