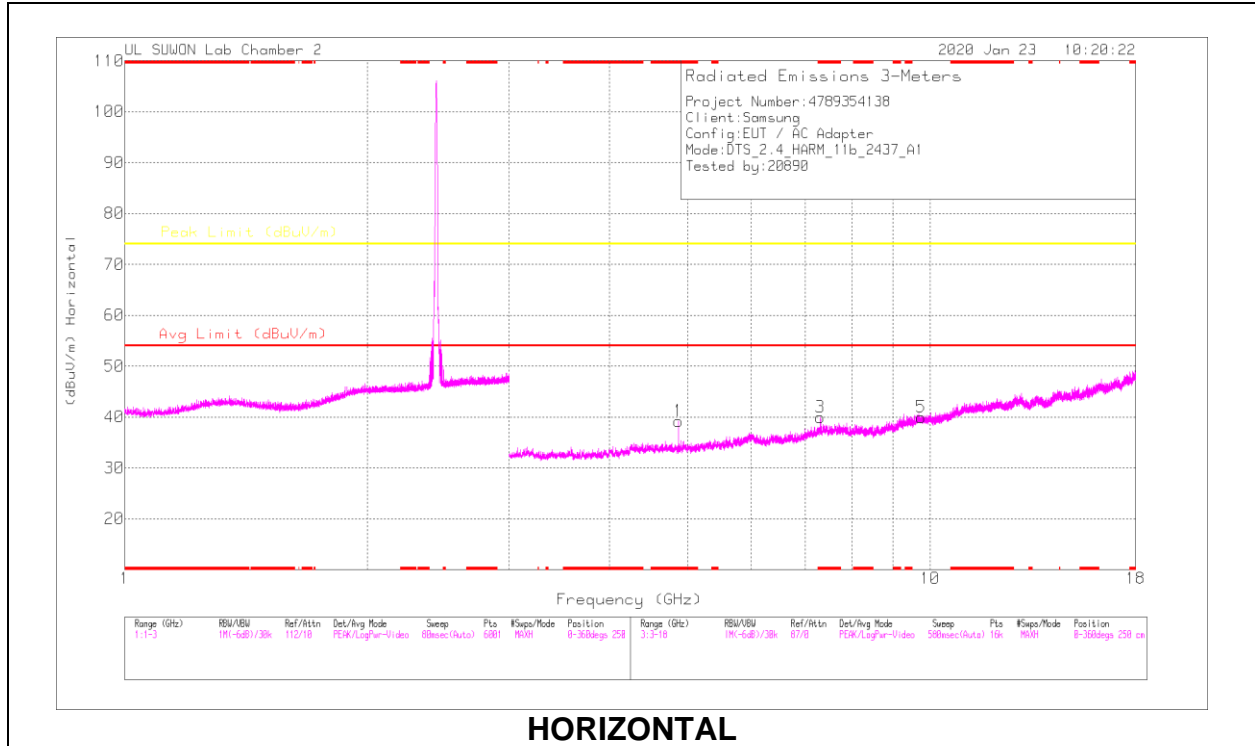


**RADIATED EMISSIONS**

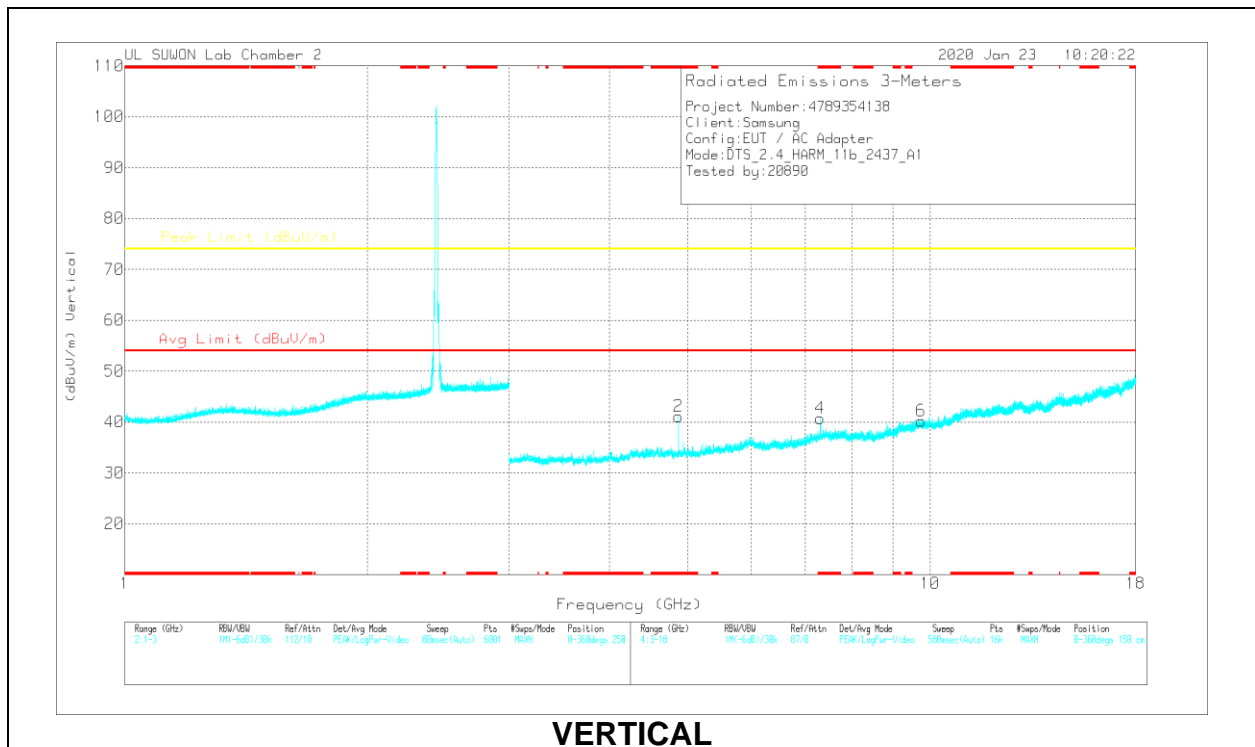
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.824	38.97	PK2	34	-28.1	0	44.87	-	-	74	-29.13	127	104	H
* 4.82398	31.11	MAv1	34	-28.1	0	37.01	54	-16.99	-	-	127	104	H
* 4.82396	39.06	PK2	34	-28.1	0	44.96	-	-	74	-29.04	221	102	V
* 4.82398	31.41	MAv1	34	-28.1	0	37.31	54	-16.69	-	-	221	102	V
7.23751	36.67	PK2	36.1	-25.4	0	47.37	-	-	74	-26.63	64	139	H
7.23633	37.48	PK2	36.1	-25.4	0	48.18	-	-	74	-25.82	169	390	V
9.63923	32.59	PK2	37	-21.5	0	48.09	-	-	74	-25.91	0	100	H
9.63749	33.18	PK2	37	-21.5	0	48.68	-	-	74	-25.32	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**

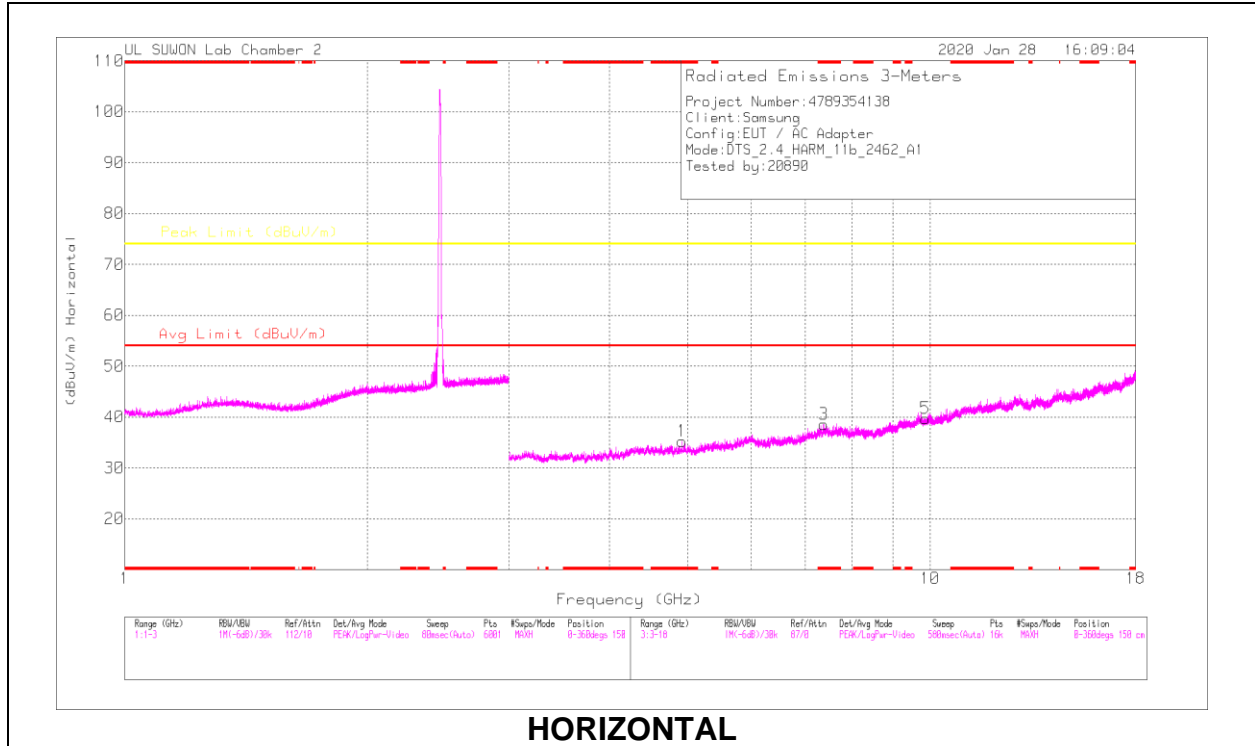
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87388	39.54	PK2	34	-27.9	0	45.64	-	-	74	-28.36	108	264	H
* 4.87392	32	MAv1	34	-27.9	0	38.1	54	-15.9	-	-	108	264	H
* 4.8739	40.76	PK2	34	-27.9	0	46.86	-	-	74	-27.14	189	284	V
* 4.87401	34.73	MAv1	34	-27.9	0	40.83	54	-13.17	-	-	189	284	V
* 7.3084	37.1	PK2	36.2	-24.9	0	48.4	-	-	74	-25.6	66	125	H
* 7.3101	26.86	MAv1	36.2	-24.9	0	38.16	54	-15.84	-	-	66	125	H
* 7.30888	36.91	PK2	36.2	-24.9	0	48.21	-	-	74	-25.79	195	111	V
* 7.31016	27.4	MAv1	36.2	-24.9	0	38.7	54	-15.3	-	-	195	111	V
9.74389	32.86	PK2	37.2	-21.2	0	48.86	-	-	74	-25.14	0	100	H
9.74721	33.26	PK2	37.2	-21.2	0	49.26	-	-	74	-24.74	0	100	V

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

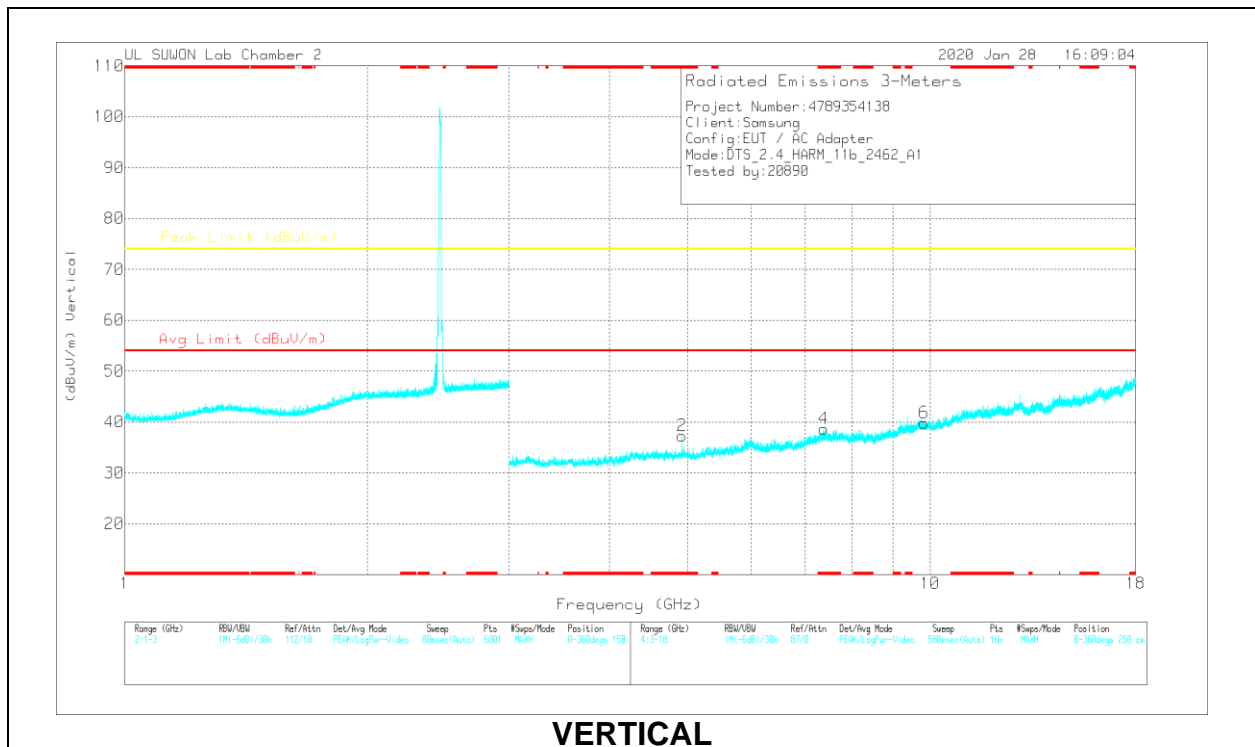
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### HIGH CHANNEL, CH 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**

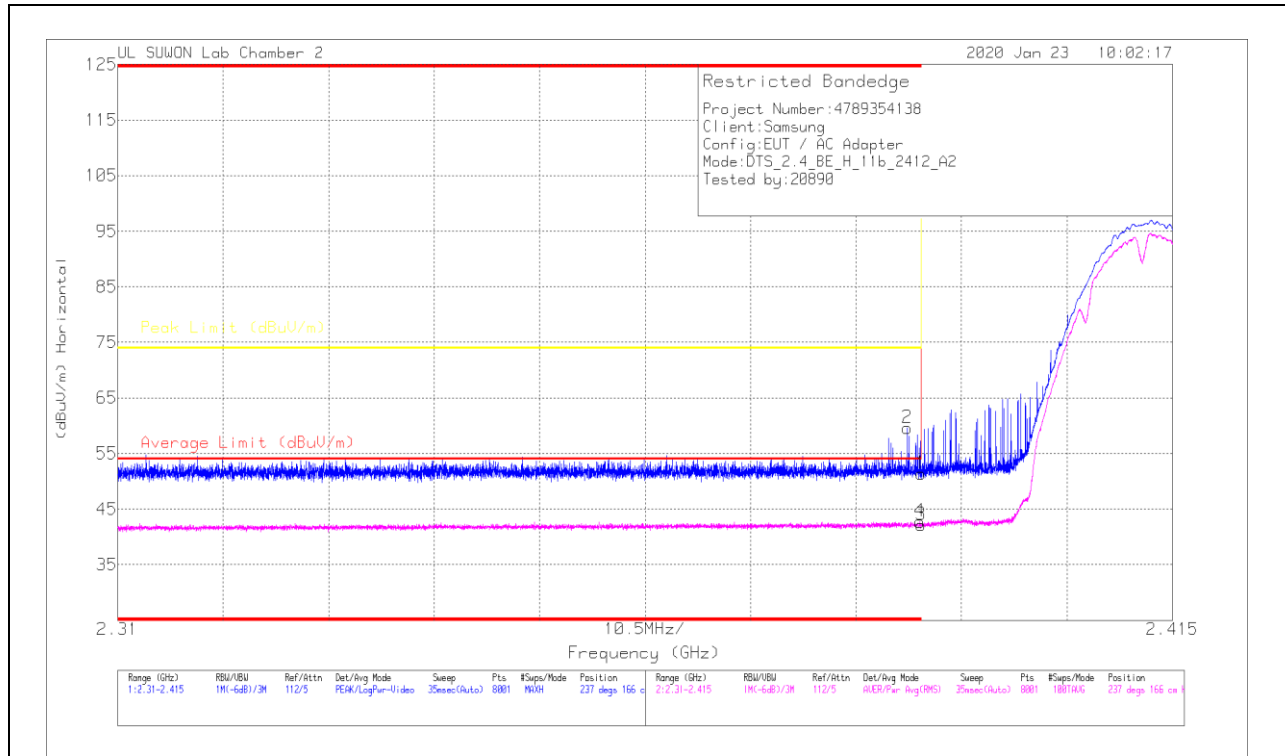
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.92423	37.12	PK2	34	-27.2	0	43.92	-	-	74	-30.08	117	214	H
* 4.92395	27.94	MAv1	34	-27.2	0	34.74	54	-19.26	-	-	117	214	H
* 4.92393	34.56	PK2	34	-27.2	0	41.36	-	-	74	-32.64	220	109	V
* 4.92399	29.36	MAv1	34	-27.2	0	36.16	54	-17.84	-	-	220	109	V
* 7.38317	34.97	PK2	36.2	-24.2	0	46.97	-	-	74	-27.03	360	100	H
* 7.38448	34.33	PK2	36.2	-24.2	0	46.33	-	-	74	-27.67	360	100	V
9.86312	32.1	PK2	37.4	-21.4	0	48.1	-	-	74	-25.9	360	100	H
9.86008	32.25	PK2	37.4	-21.5	0	48.15	-	-	74	-25.85	360	100	V

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

**1TX Antenna 2 MODE**

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

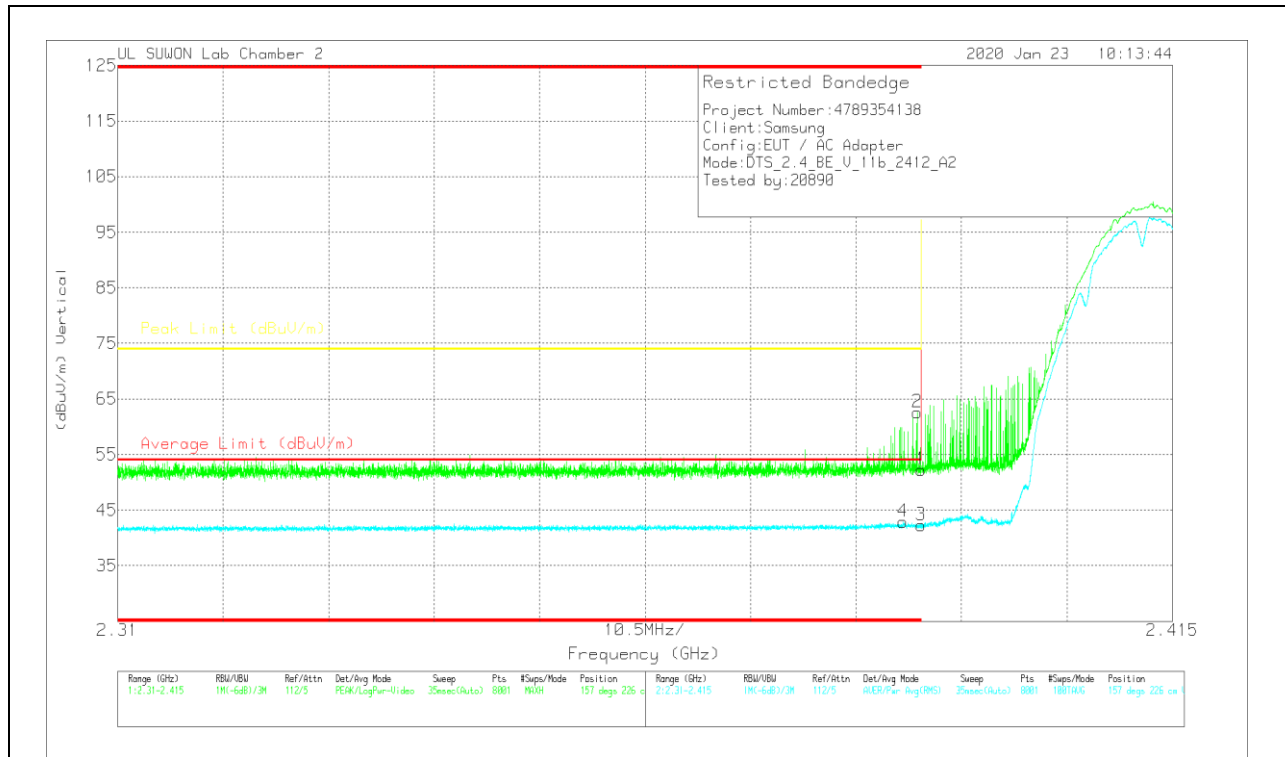
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	* 2.39	40.36	Pk	31.6	-20.6	0	51.36	-	-	74	-22.64	237	166	H
2	* 2.38861	49.63	Pk	31.6	-20.6	0	59.63	-	-	74	-14.37	237	166	H
3	* 2.39	31.11	RMS	31.6	-20.6	0	42.11	54	-11.89	-	-	237	166	H
4	* 2.38987	31.72	RMS	31.6	-20.6	0	42.72	54	-11.28	-	-	237	166	H

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

### VERTICAL RESULT

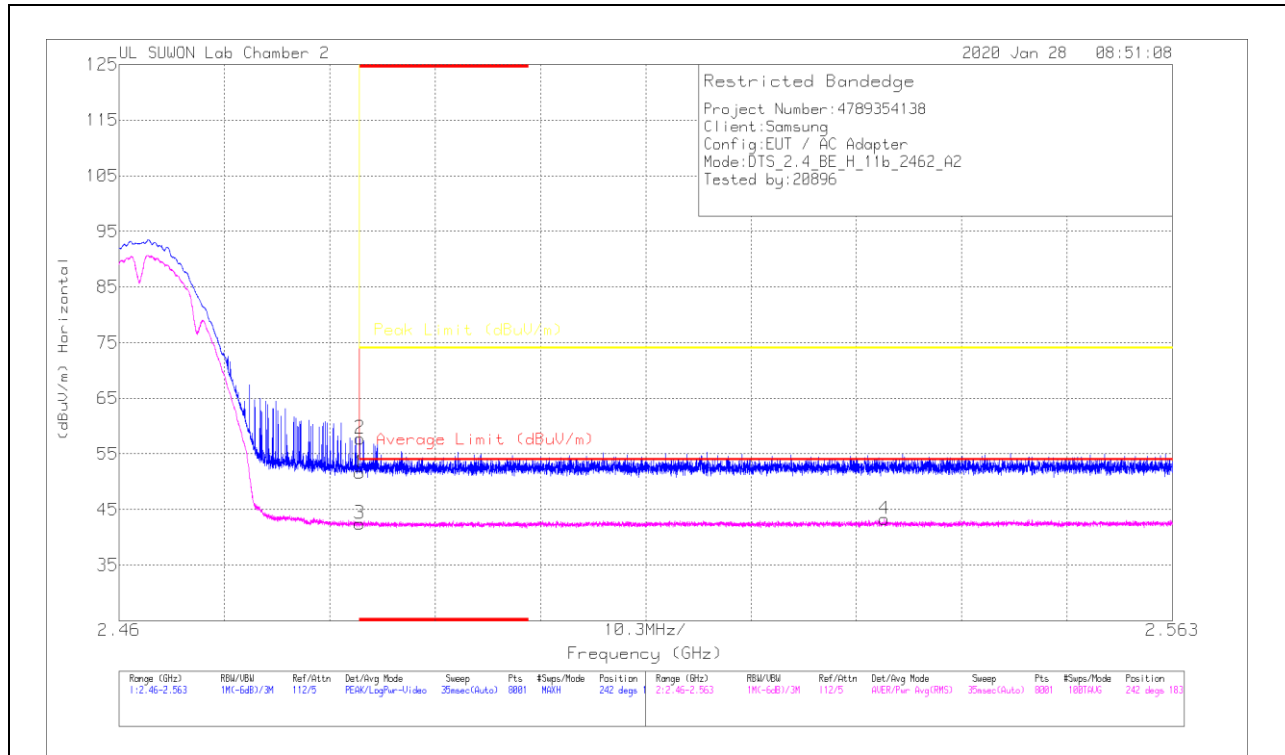


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.26	Pk	31.6	-20.6	0	62.26	-	-	74	-21.74	157	226	V
2	* 2.38862	51.64	Pk	31.6	-20.6	0	62.64	-	-	74	-11.36	157	226	V
3	* 2.39	31.28	RMS	31.6	-20.6	0	42.28	54	-11.72	-	-	157	226	V
4	* 2.38816	31.91	RMS	31.6	-20.6	0	42.91	54	-11.09	-	-	157	226	V

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

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

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meas 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	40.13	Pk	31.9	-20.4	0	51.63	-	-	74	-22.37	242	183	H
2	* 2.48354	46.27	Pk	31.9	-20.4	0	57.77	-	-	74	-16.23	242	183	H
3	* 2.48351	30.97	RMS	31.9	-20.4	0	42.47	54	-11.53	-	-	242	183	H
4	2.53482	31.7	RMS	32	-20.4	0	43.3	54	-10.7	-	-	242	183	H

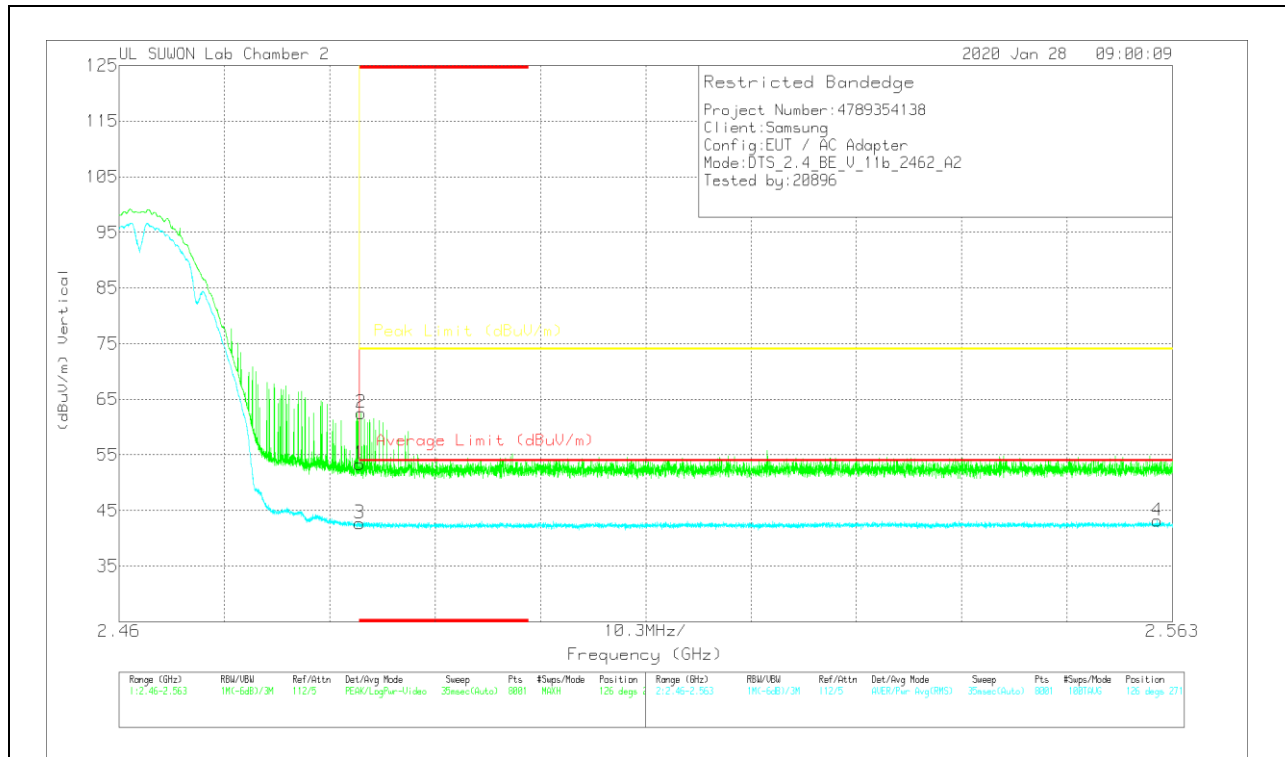
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT

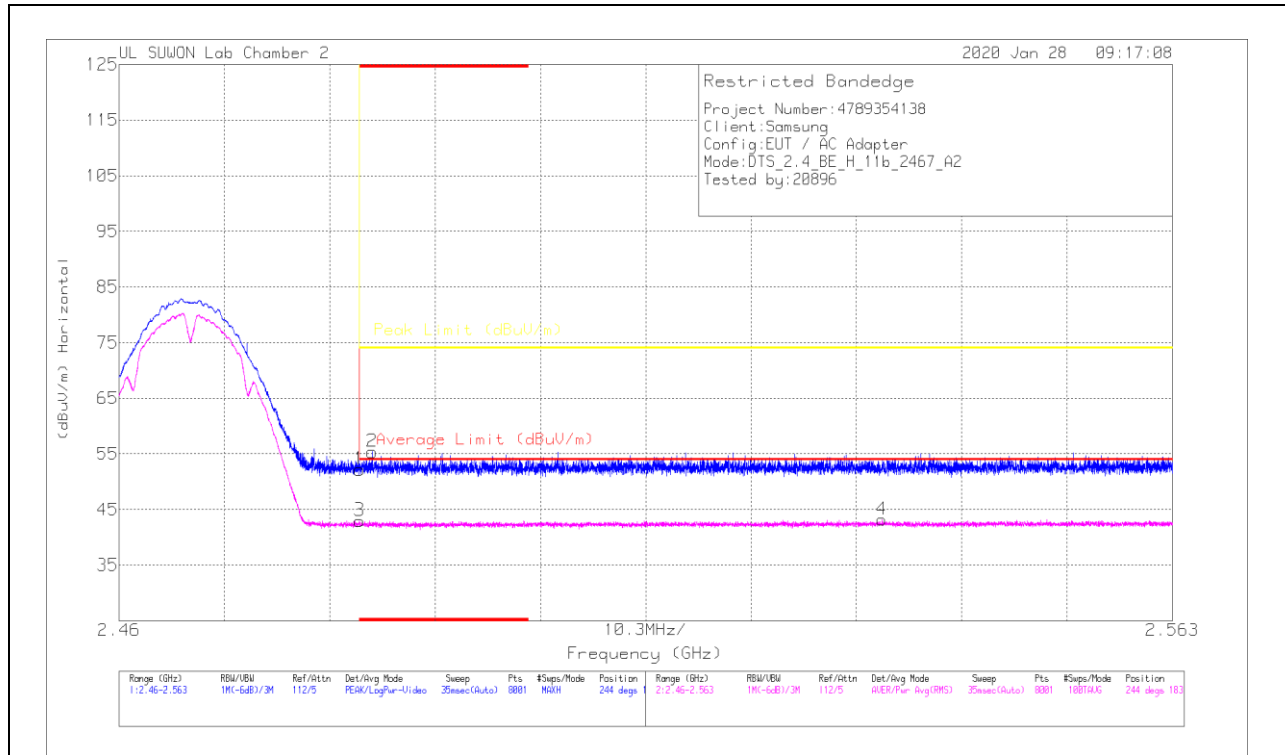


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.89	PK	31.9	-20.4	0	62.39	-	-	74	-20.61	126	271	V
2	* 2.48366	51.07	PK	31.9	-20.4	0	62.57	-	-	74	-11.43	126	271	V
3	* 2.48351	31.22	RMS	31.9	-20.4	0	42.72	54	-11.28	-	-	126	271	V
4	2.56152	31.58	RMS	32	-20.4	0	43.18	54	-10.82	-	-	126	271	V

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

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

**HORIZONTAL RESULT**



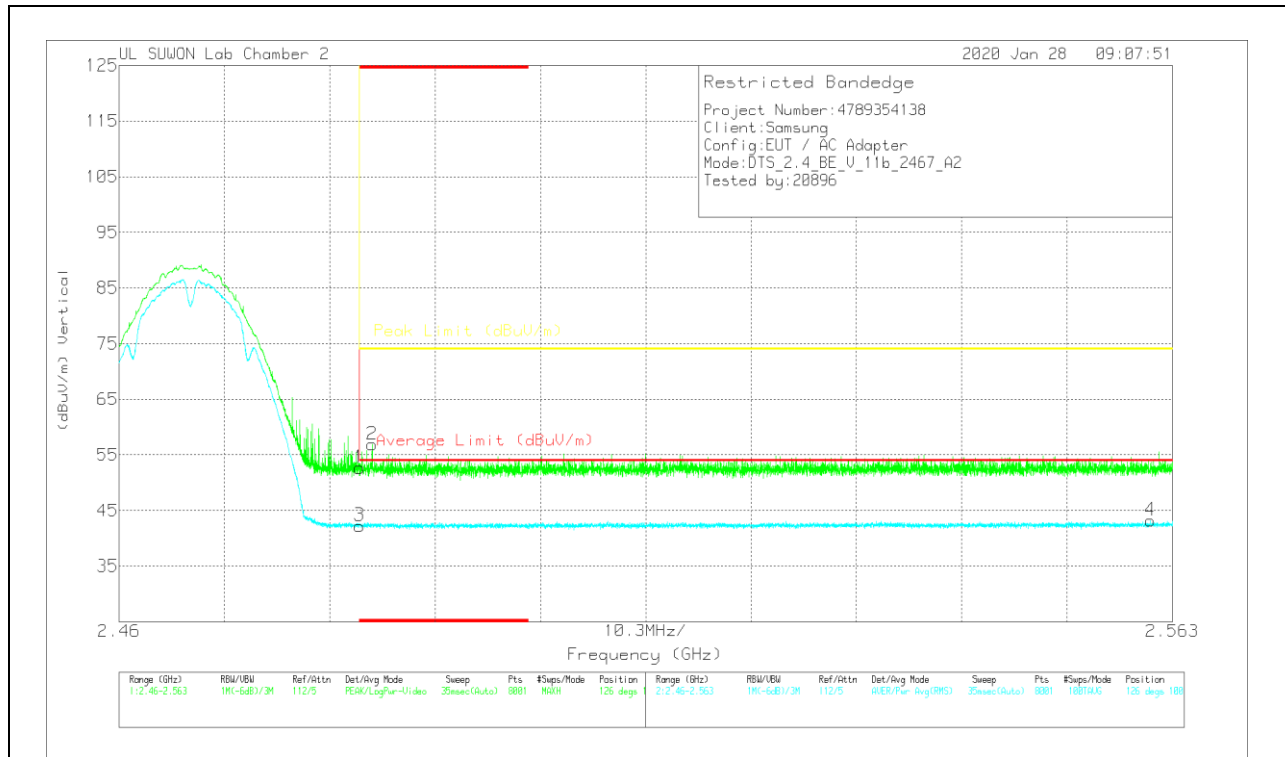
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.7	Pk	31.9	-20.4	0	52.2	-	-	74	-21.8	244	183	H
2	* 2.48475	43.88	Pk	31.9	-20.4	0	55.38	-	-	74	-18.62	244	183	H
3	* 2.48351	31.47	RMS	31.9	-20.4	0	42.97	54	-11.03	-	-	244	183	H
4	2.53461	31.58	RMS	32	-20.4	0	43.18	54	-10.82	-	-	244	183	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



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	41.19	PK	31.9	-20.4	0	52.59	-	-	74	-21.31	126	100	V
2	* 2.48475	45.39	PK	31.9	-20.4	0	56.89	-	-	74	-17.11	126	100	V
3	* 2.48351	30.76	RMS	31.9	-20.4	0	42.26	54	-11.74	-	-	126	100	V
4	2.56084	31.61	RMS	32	-20.4	0	43.21	54	-10.79	-	-	126	100	V

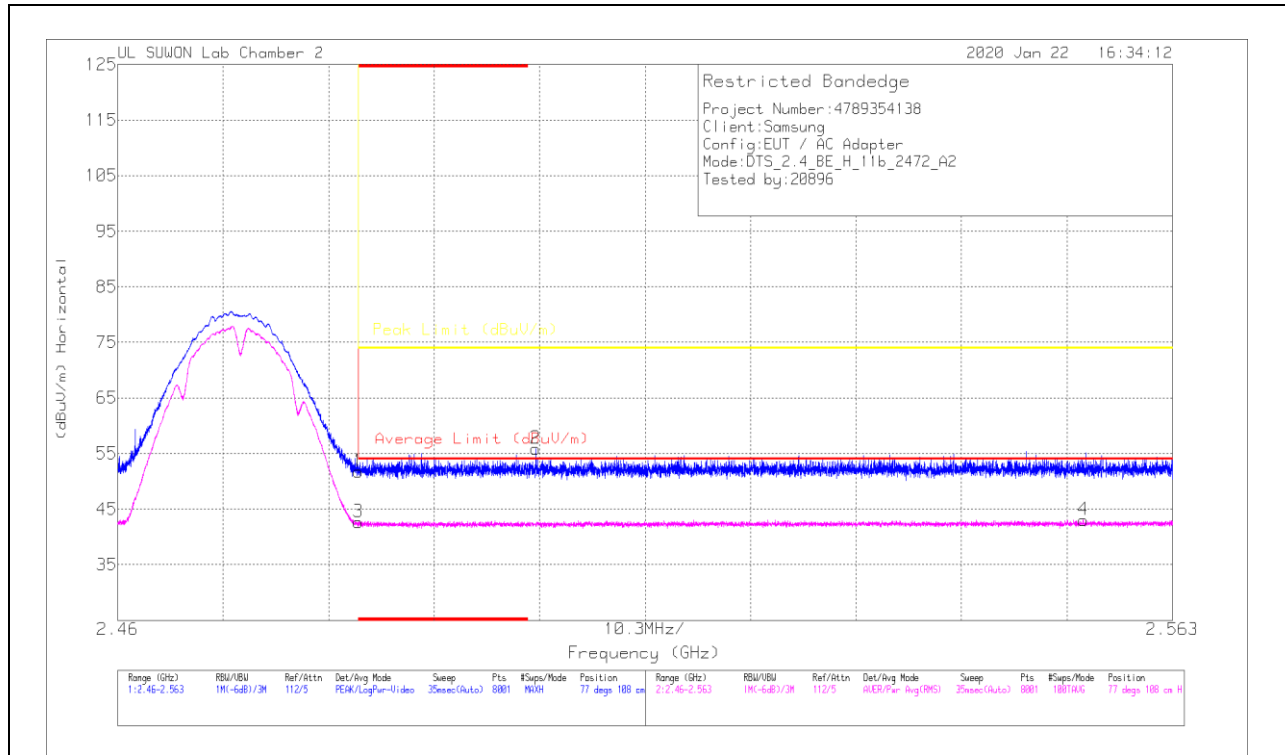
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

**HORIZONTAL RESULT**



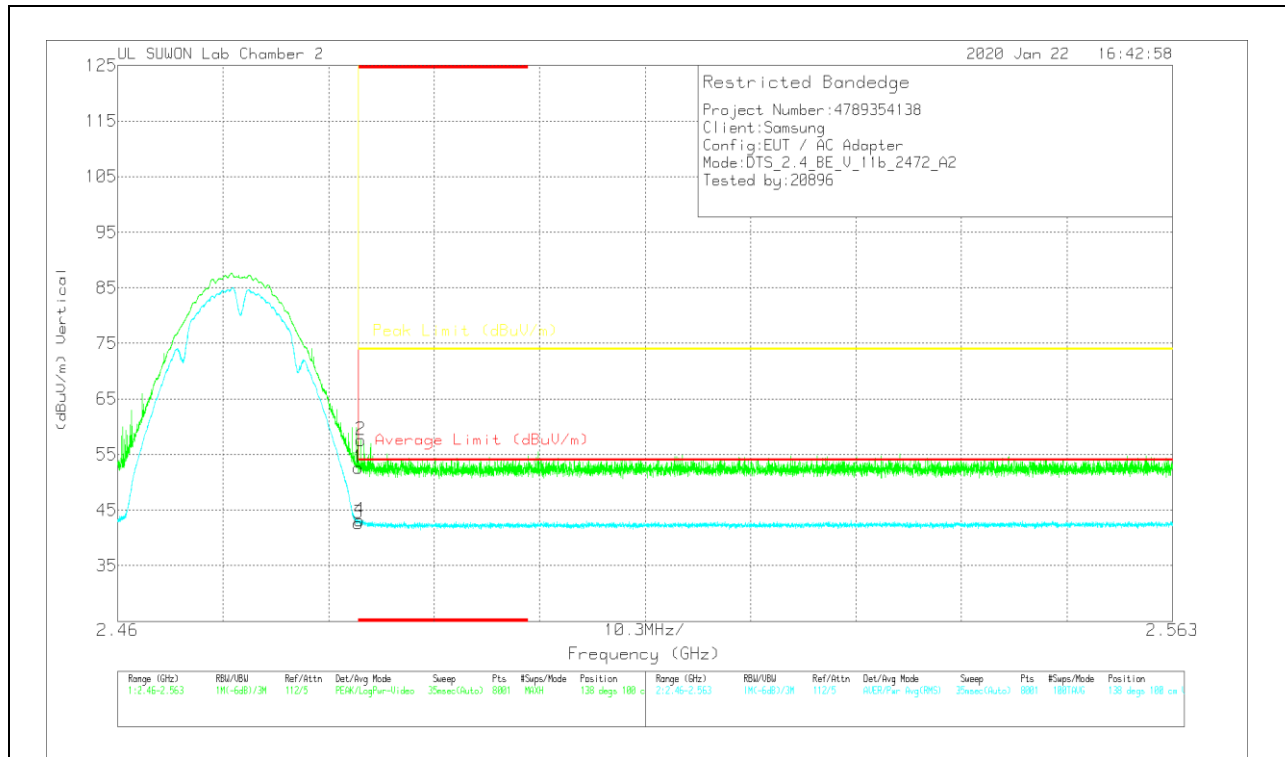
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	40.3	Pk	31.9	-20.4	0	51.8	-	-	74	-22.2	77	108	H
2	2.5008	44.34	Pk	31.9	-20.4	0	55.84	-	-	74	-18.16	77	108	H
3	*2.48351	31.2	RMS	31.9	-20.4	0	42.7	54	-11.3	-	-	77	108	H
4	2.5543	31.48	RMS	32	-20.4	0	43.08	54	-10.92	-	-	77	108	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

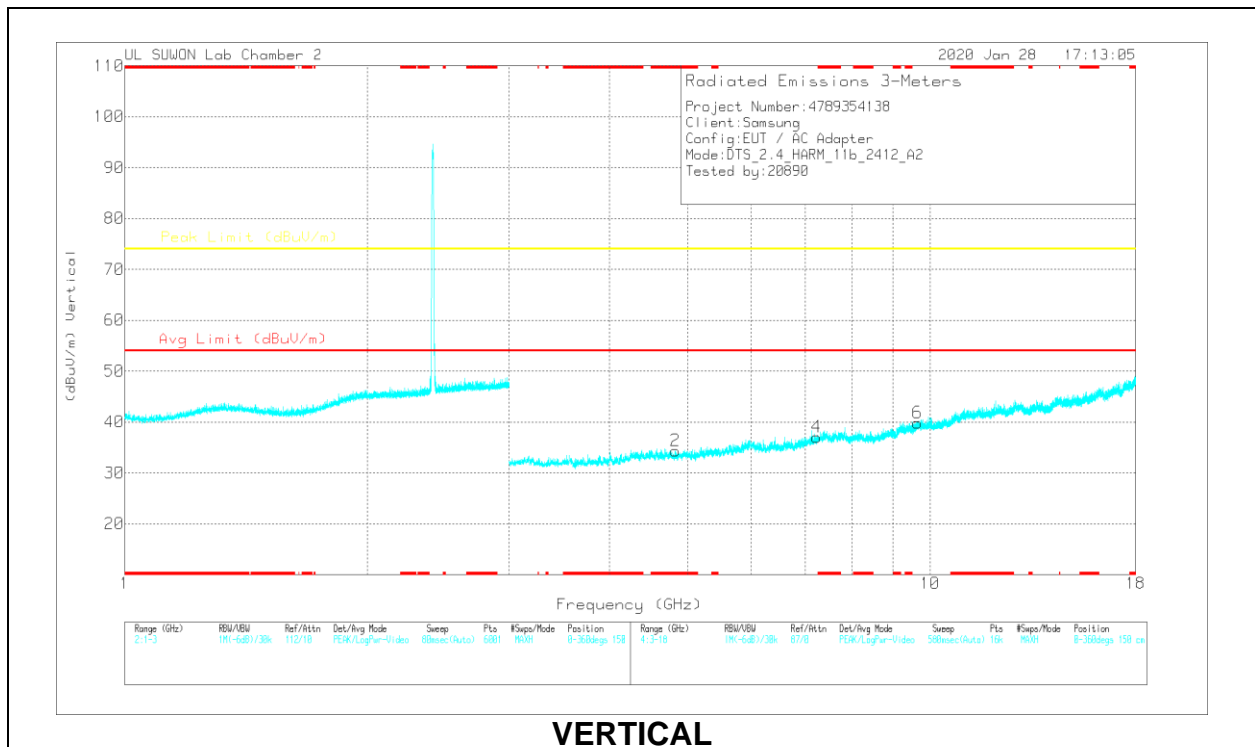
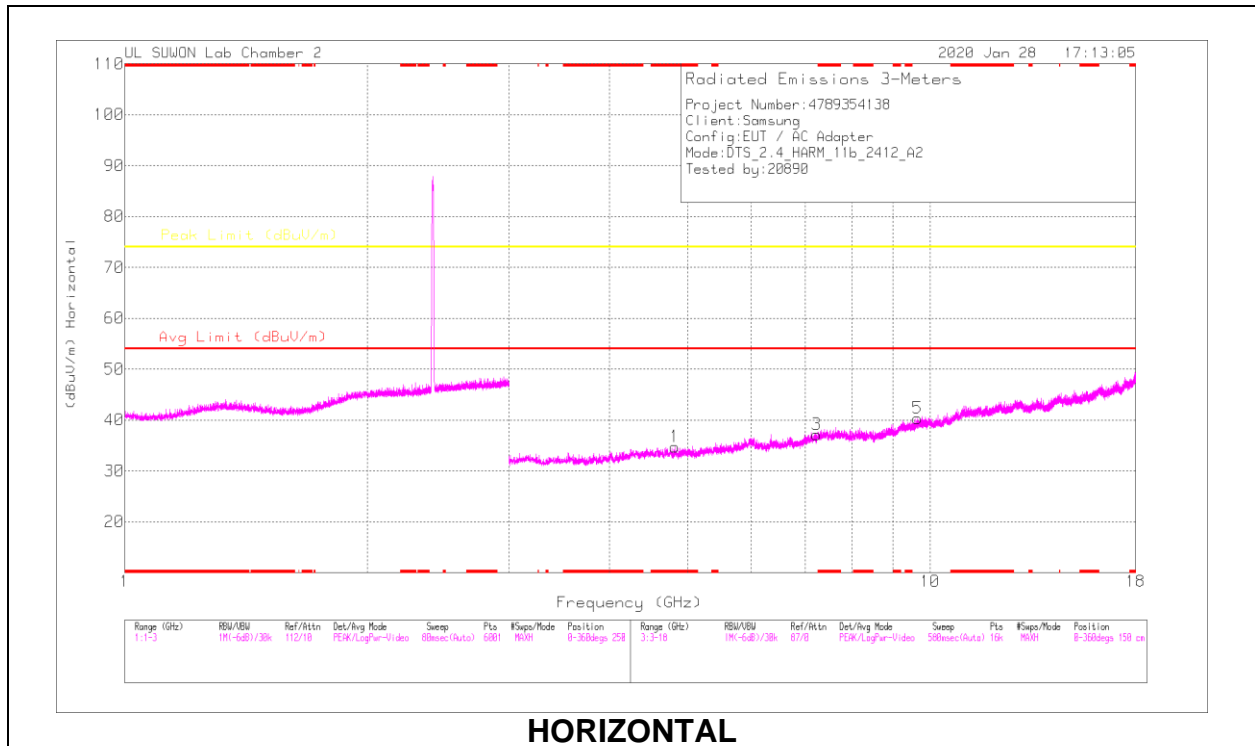


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.1	Pk	31.9	-20.4	0	52.5	-	-	74	-21.4	138	100	V
2	* 2.48374	46.08	Pk	31.9	-20.4	0	57.58	-	-	74	-16.42	138	100	V
3	* 2.48351	31.18	RMS	31.9	-20.4	0	42.68	54	-11.32	-	-	138	100	V
4	* 2.48363	31.68	RMS	31.9	-20.4	0	43.18	54	-10.82	-	-	138	100	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**



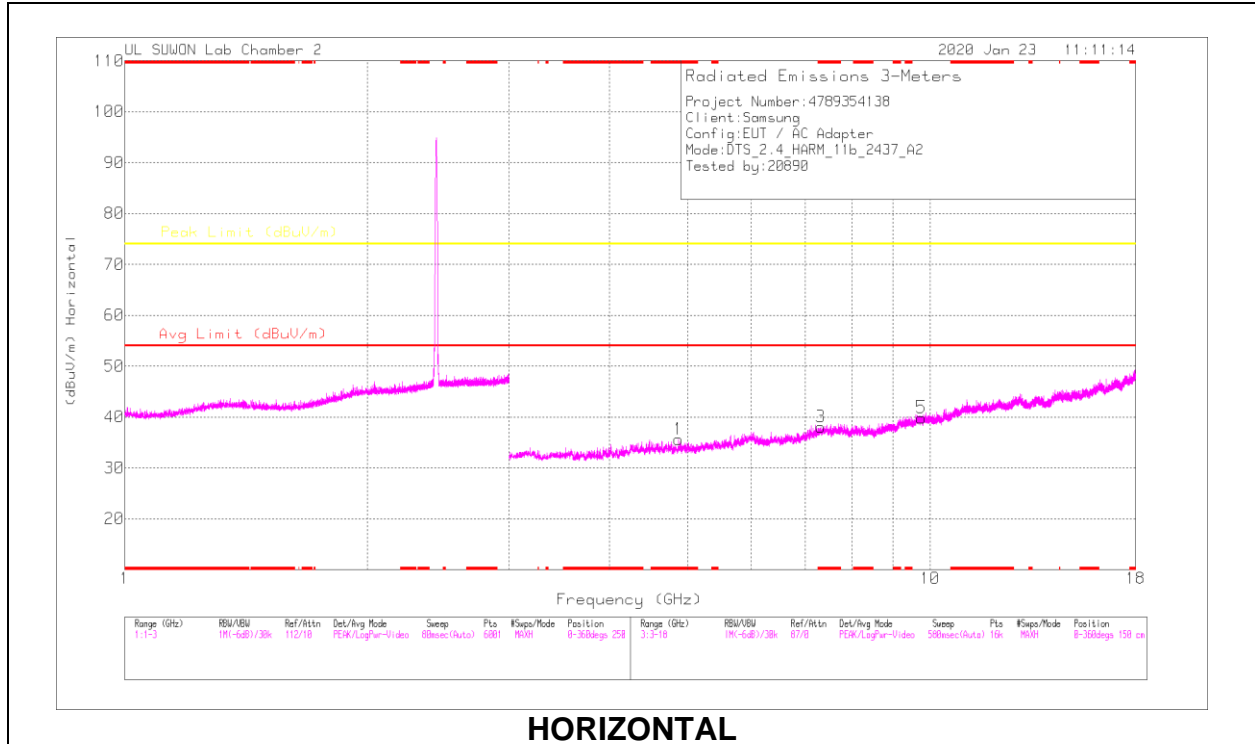
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**RADIATED EMISSIONS**

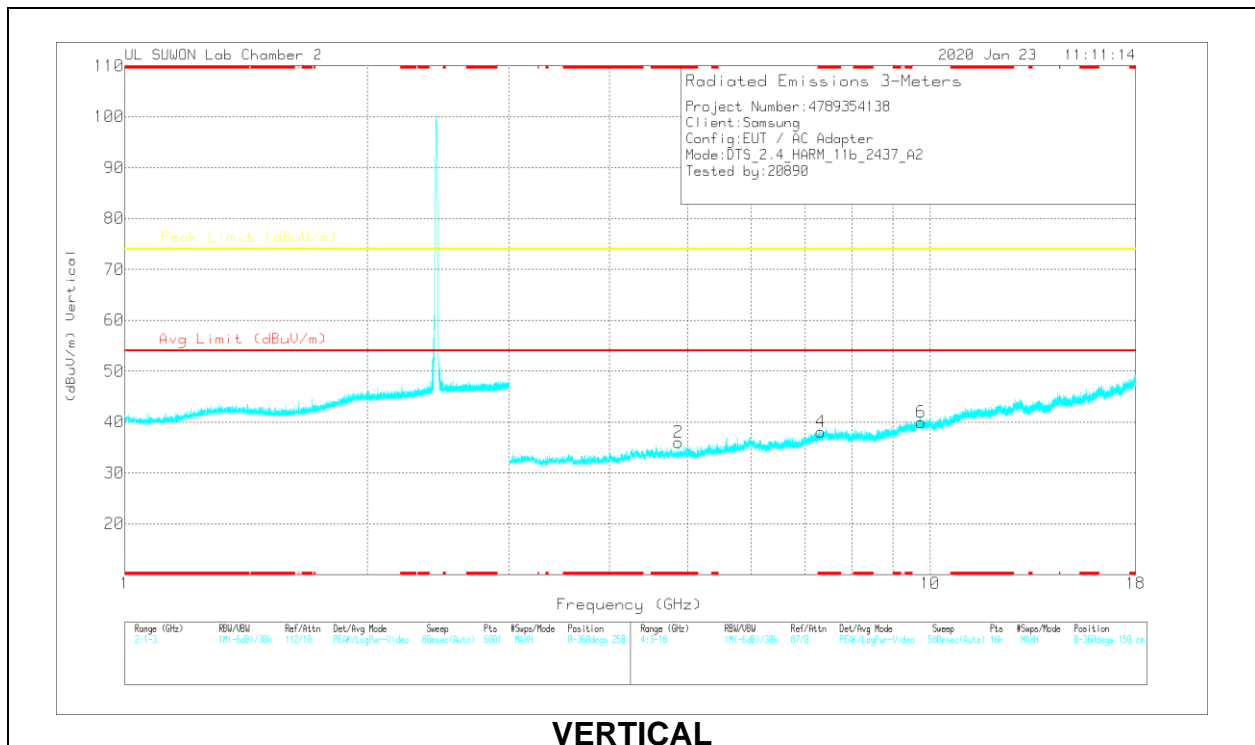
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82512	37.08	PK2	34	-28.1	0	42.98	-	-	74	-31.02	360	100	H
* 4.82238	37.22	PK2	34	-28.1	0	43.12	-	-	74	-30.88	360	100	V
7.23348	35.11	PK2	36.1	-25.3	0	45.91	-	-	74	-28.09	360	100	H
7.23266	34.96	PK2	36.1	-25.3	0	45.76	-	-	74	-28.24	360	100	V
9.64463	33.08	PK2	37	-21.5	0	48.58	-	-	74	-25.42	360	100	H
9.64538	32.59	PK2	37	-21.5	0	48.09	-	-	74	-25.91	360	100	V

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

### 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.

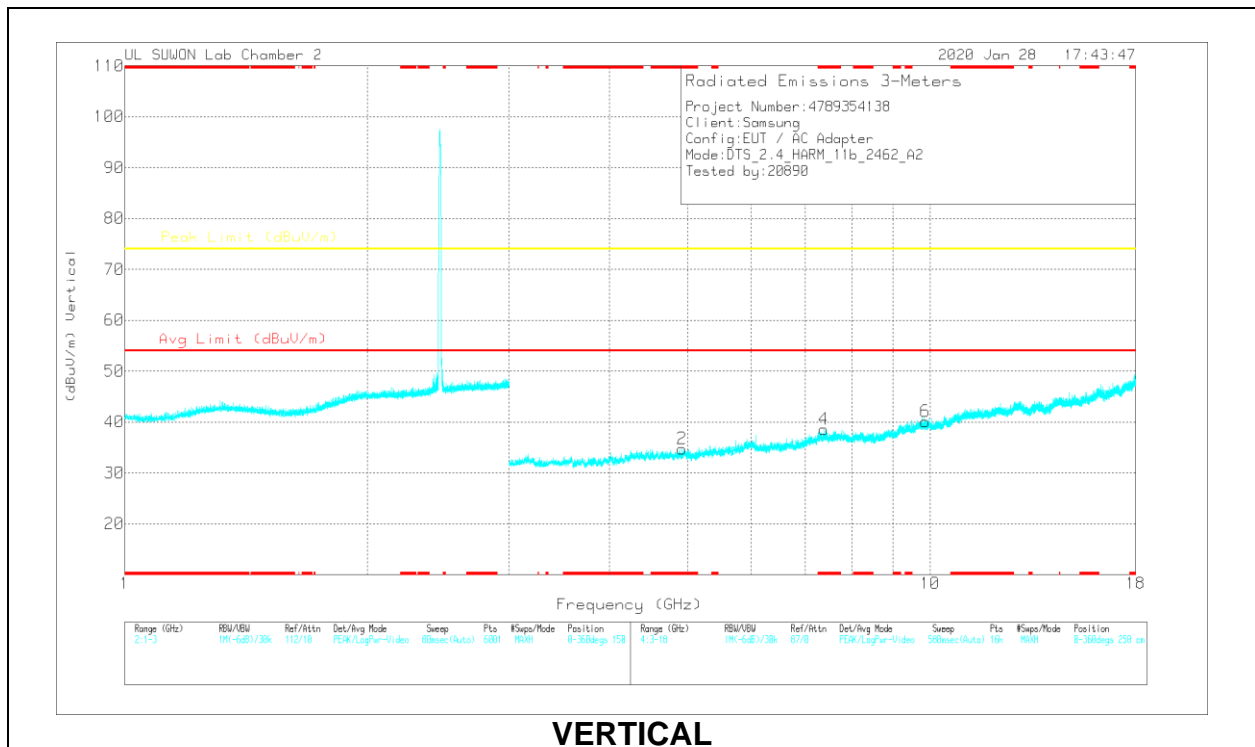
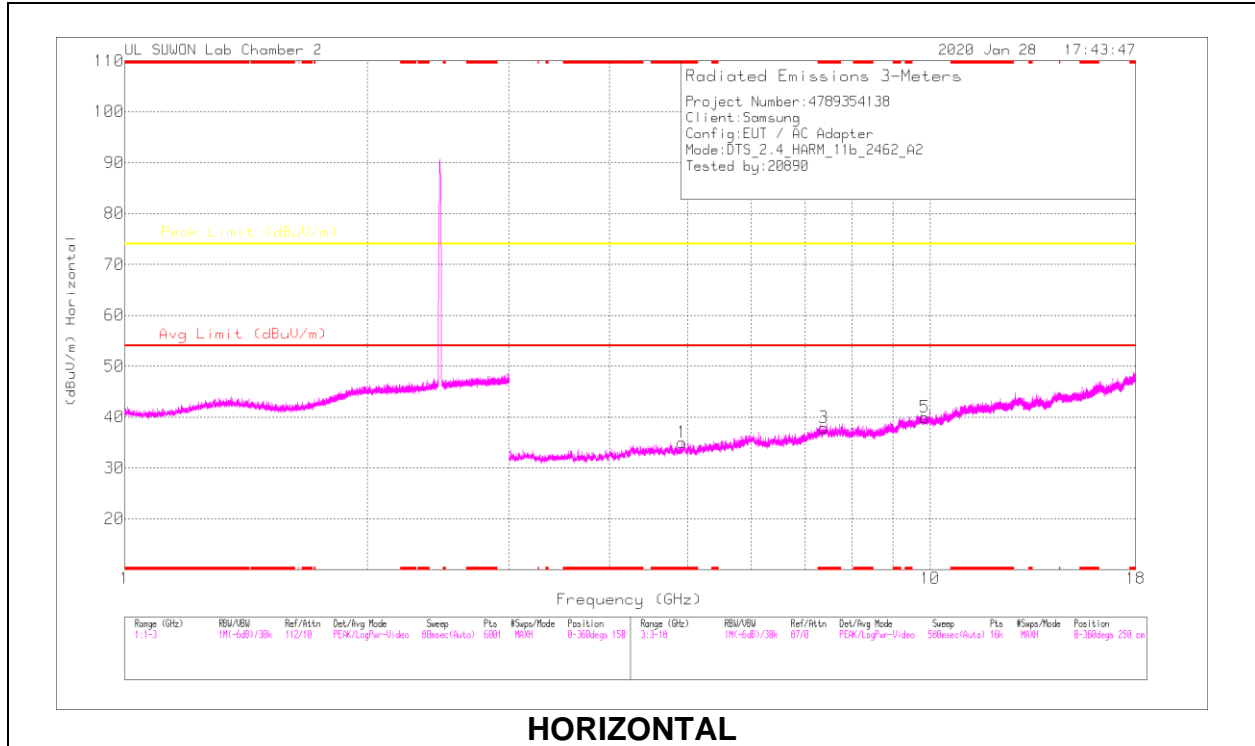


**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	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
* 4.8742	37.6	PK2	34	-27.9	0	43.7	-	-	74	-30.3	236	125	H
* 4.87402	28.41	MAv1	34	-27.9	0	34.51	54	-19.49	-	-	236	125	H
* 4.87384	38.01	PK2	34	-27.9	0	44.11	-	-	74	-29.89	180	312	V
* 4.874	29.98	MAv1	34	-27.9	0	36.08	54	-17.92	-	-	180	312	V
* 7.31977	34.81	PK2	36.2	-24.8	0	46.21	-	-	74	-27.79	0	100	H
* 7.31737	35.26	PK2	36.2	-24.8	0	46.66	-	-	74	-27.34	0	100	V
9.7591	33.33	PK2	37.2	-21.2	0	49.33	-	-	74	-24.67	0	100	H
9.75924	32.7	PK2	37.2	-21.2	0	48.7	-	-	74	-25.3	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 11 RESULTS



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_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
* 4.92399	36.01	PK2	34	-27.2	0	42.81	-	-	74	-31.19	360	100	H
* 4.9248	36.17	PK2	34	-27.2	0	42.97	-	-	74	-31.03	360	100	V
* 7.3819	34.57	PK2	36.2	-24.2	0	46.57	-	-	74	-27.43	360	100	H
* 7.38103	35.15	PK2	36.2	-24.2	0	47.15	-	-	74	-26.85	360	100	V
9.85409	32.48	PK2	37.4	-21.5	0	48.38	-	-	74	-25.62	360	100	H
9.85426	32.3	PK2	37.4	-21.5	0	48.2	-	-	74	-25.8	360	100	V

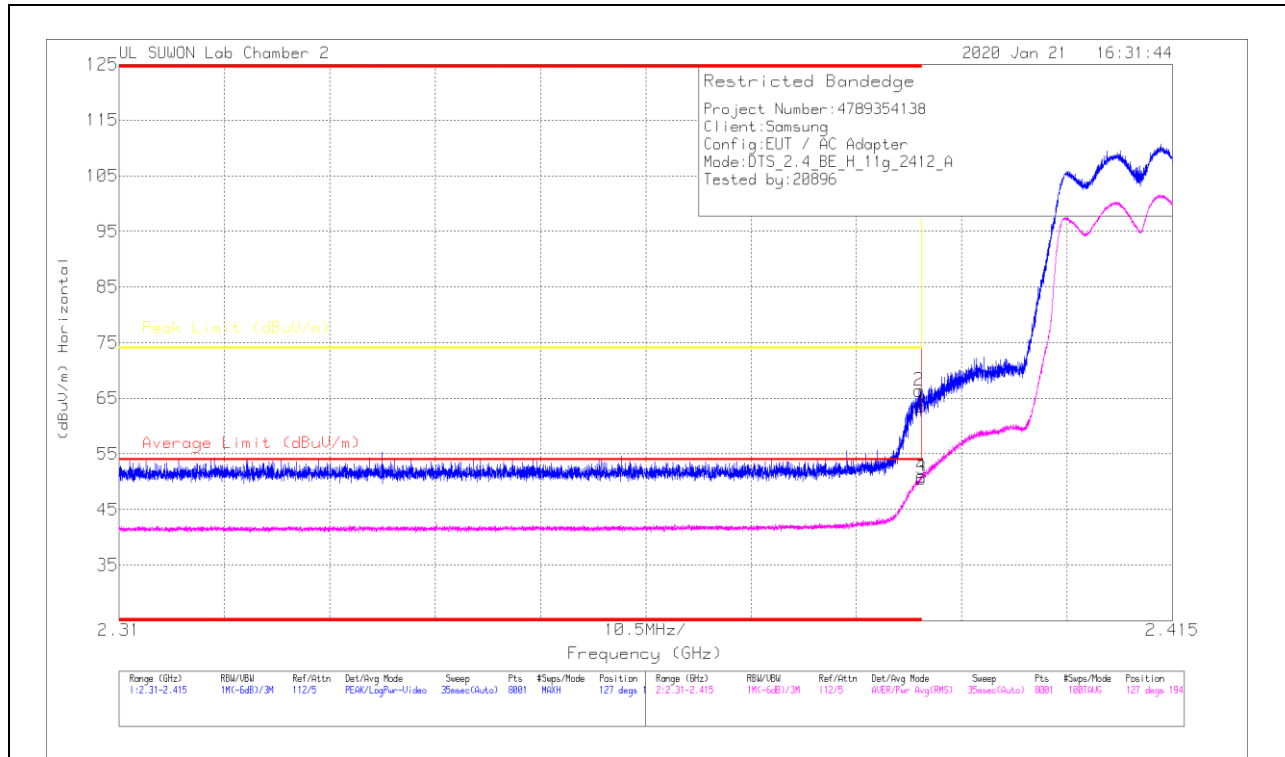
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak

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

**2TX Antenna 1 + Antenna 2 MODE**

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

**HORIZONTAL RESULT**



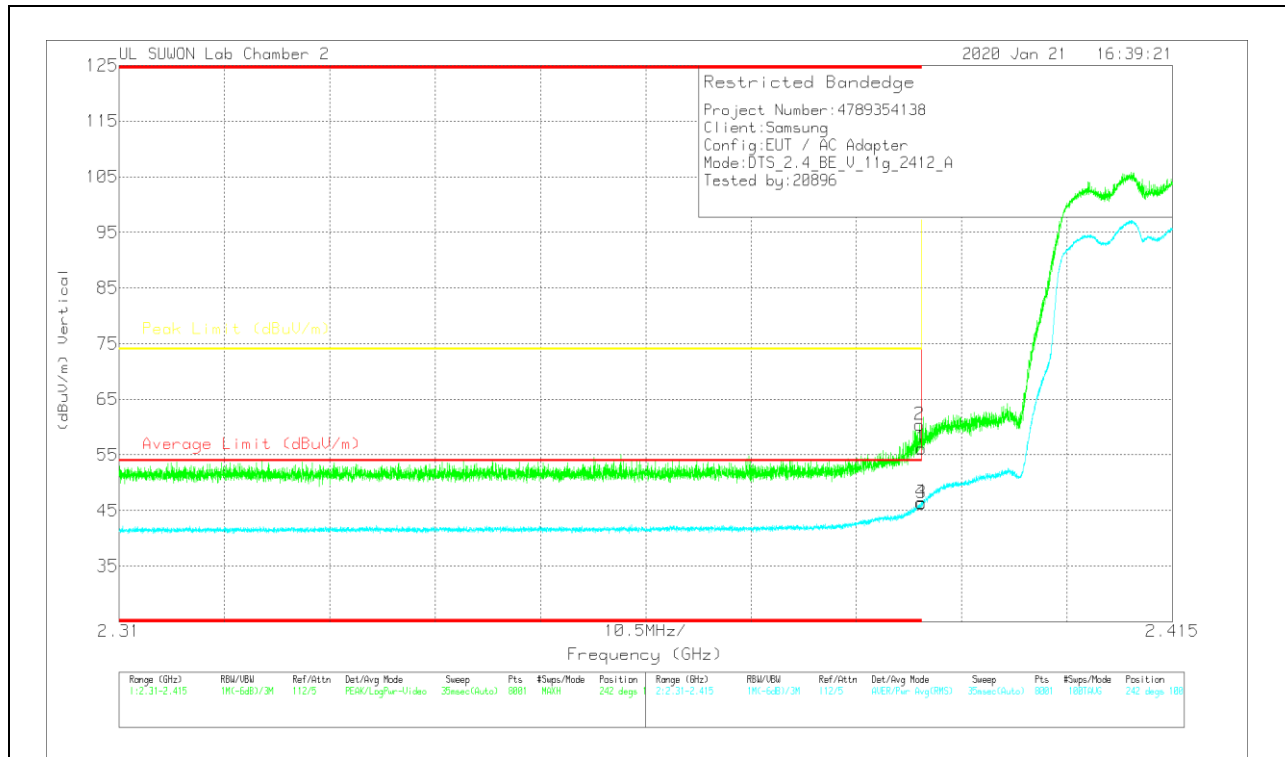
Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.53	Pk	31.6	-20.6	0	63.53	-	-	74	-10.47	127	194	H
2	* 2.38972	55.39	Pk	31.6	-20.6	0	66.39	-	-	74	-7.61	127	194	H
3	* 2.39	39.56	RMS	31.6	-20.6	0	50.56	54	-3.44	-	-	127	194	H
4	* 2.38998	39.98	RMS	31.6	-20.6	0	50.98	54	-3.02	-	-	127	194	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

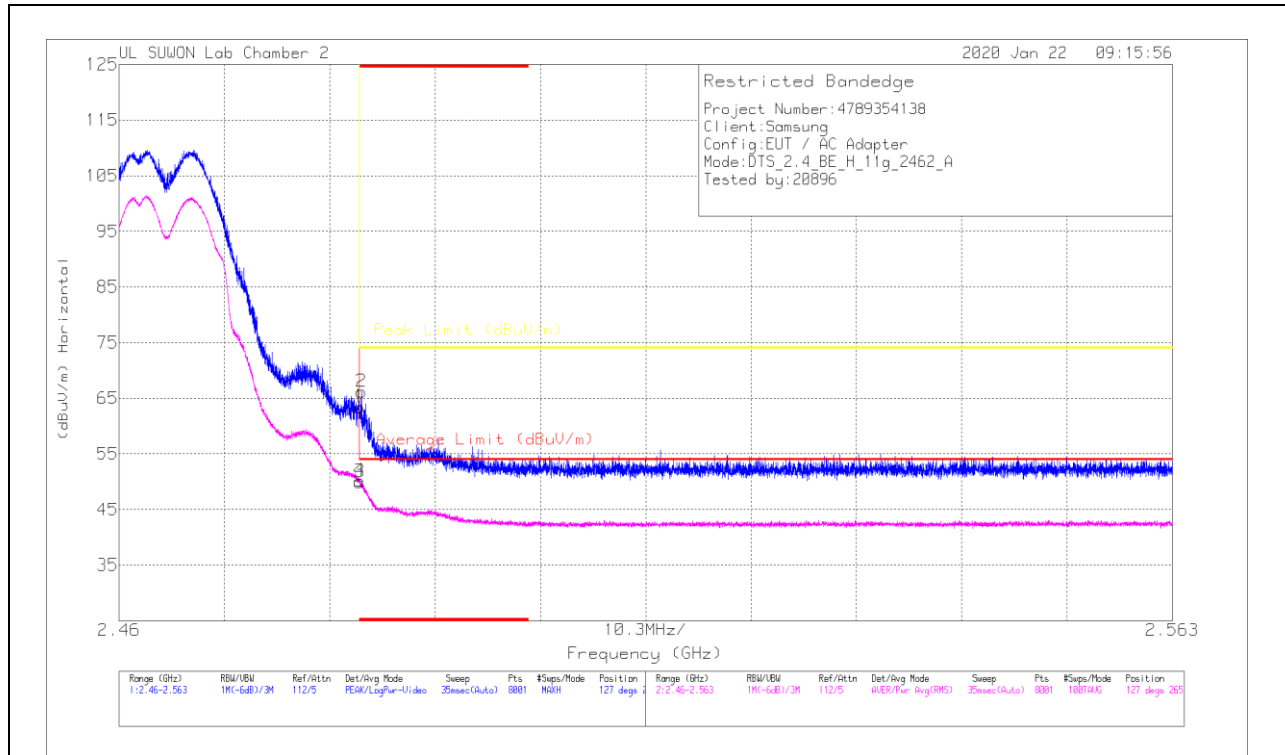


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.21	Pk	31.6	-20.6	0	56.21	-	-	74	-17.79	242	100	V
2	* 2.38977	49.42	Pk	31.6	-20.6	0	60.42	-	-	74	-13.58	242	100	V
3	* 2.39	35.32	RMS	31.6	-20.6	0	46.32	54	-7.68	-	-	242	100	V
4	* 2.38994	35.45	RMS	31.6	-20.6	0	46.45	54	-7.55	-	-	242	100	V

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

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

**HORIZONTAL RESULT**



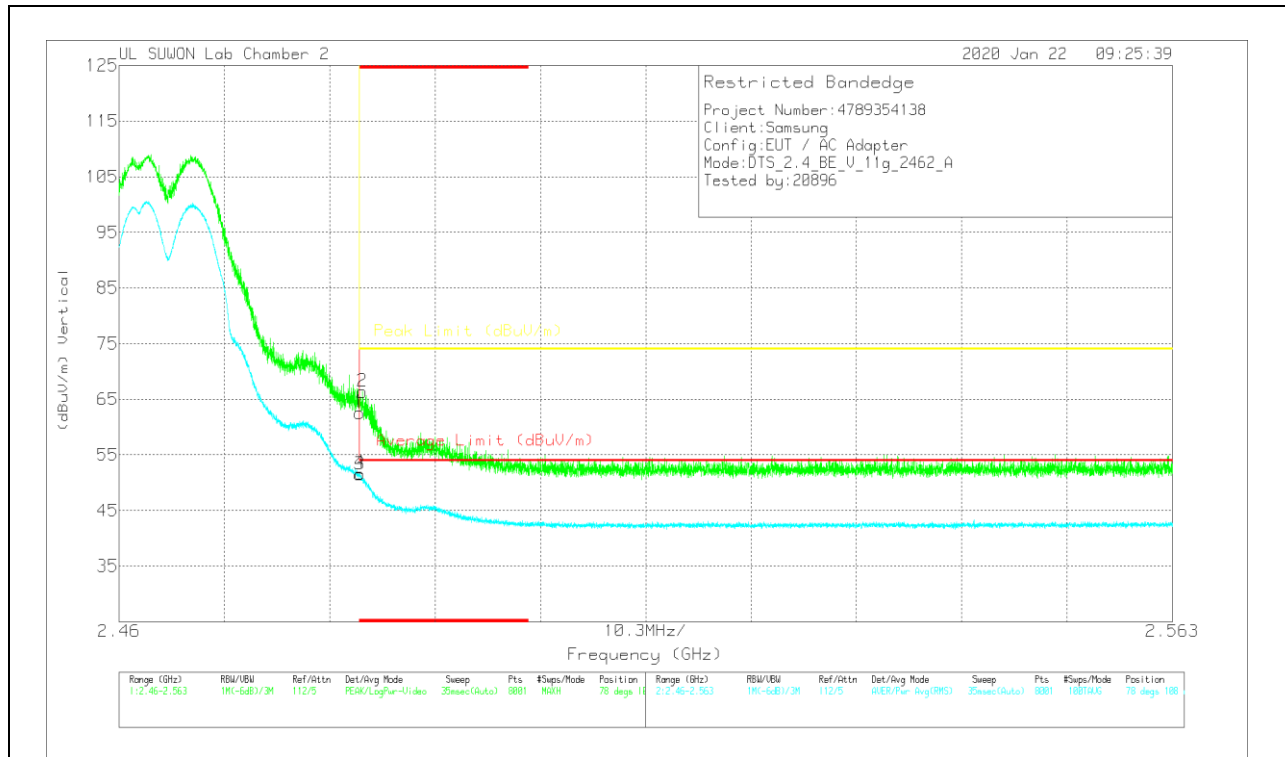
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.89	Pk		-20.4	0	63.39	-	-	74	-10.61	127	265	H
2	* 2.4837	54.67	Pk		-20.4	0	66.17	-	-	74	-7.83	127	265	H
3	* 2.48351	38.46	RMS		-20.4	0	49.96	54	-4.04	-	-	127	265	H
4	* 2.48352	38.65	RMS		-20.4	0	50.15	54	-3.85	-	-	127	265	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



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	51.06	PK	31.9	-20.4	0	62.59	-	-	74	-11.42	78	108	V
2	* 2.48378	54.88	PK	31.9	-20.4	0	66.38	-	-	74	-7.62	78	108	V
3	* 2.48351	39.98	RMS	31.9	-20.4	0	51.48	54	-2.52	-	-	78	108	V
4	* 2.48355	40.18	RMS	31.9	-20.4	0	51.68	54	-2.32	-	-	78	108	V

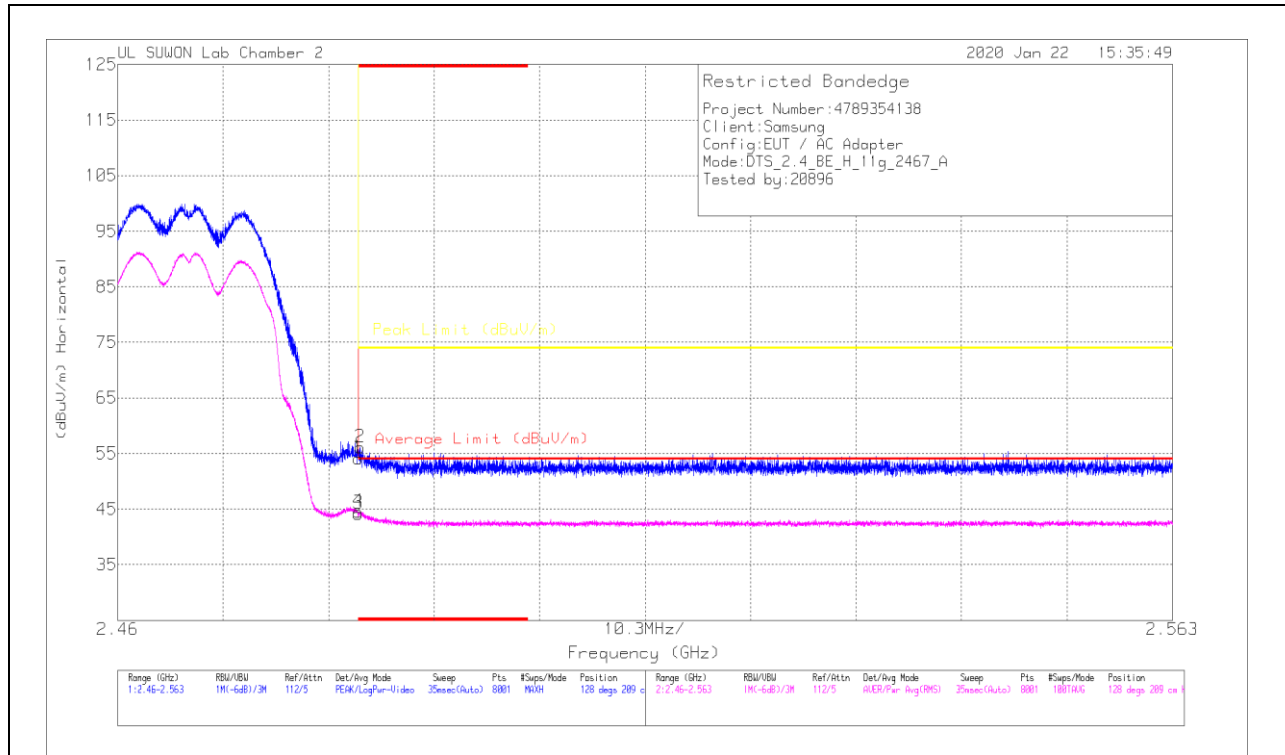
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meas 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	42.63	Pk	-31.9	-20.4	0	54.13	-	-	74	-19.87	128	209	H
2	* 2.48368	44.64	Pk	-31.9	-20.4	0	56.14	-	-	74	-17.86	128	209	H
3	* 2.48351	32.71	RMS	-31.9	-20.4	0	44.21	54	-9.79	-	-	128	209	H
4	* 2.48352	33.02	RMS	-31.9	-20.4	0	44.52	54	-9.48	-	-	128	209	H

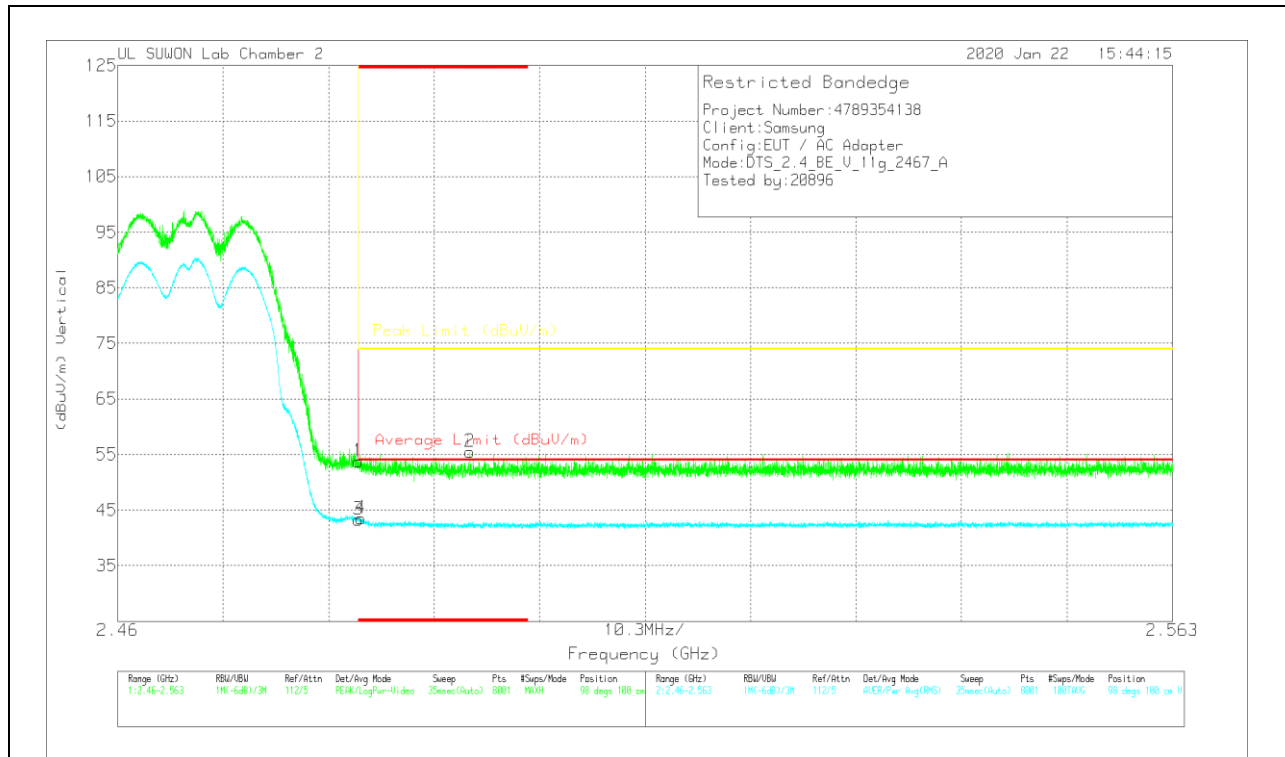
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT

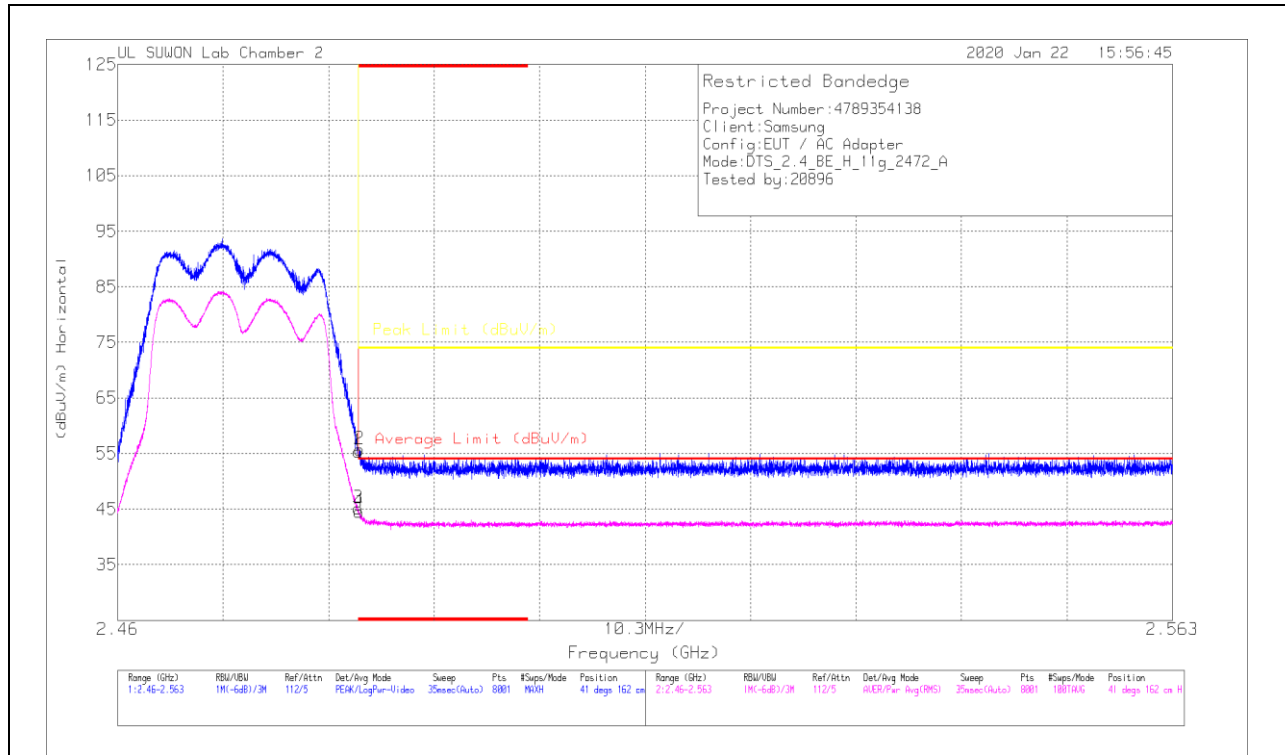


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.27	Pk	31.9	-20.4	0	53.77	-	-	74	-20.23	98	100	V
2	* 2.4844	44.05	Pk	31.9	-20.5	0	55.45	-	-	74	-18.55	98	100	V
3	* 2.48351	31.77	RMS	31.9	-20.4	0	43.27	54	-10.73	-	-	98	100	V
4	* 2.48377	32.05	RMS	31.9	-20.4	0	43.55	54	-10.45	-	-	98	100	V

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

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

**HORIZONTAL RESULT**



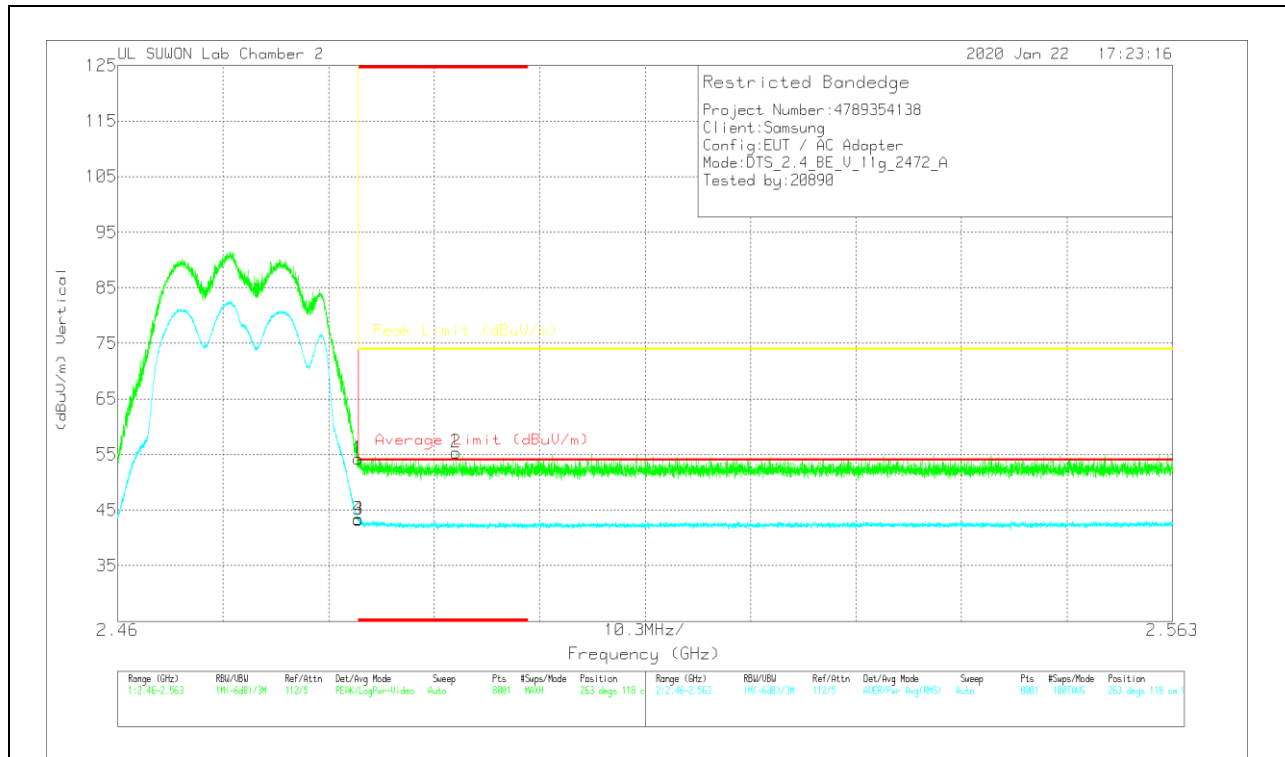
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.89	Pk	-31.9	-20.4	0	55.39	-	-	74	-18.61	41	162	H
2	* 2.48361	44.28	Pk	-31.9	-20.4	0	55.78	-	-	74	-18.22	41	162	H
3	* 2.48351	33.59	RMS	-31.9	-20.4	0	45.09	54	-8.91	-	-	41	162	H
4	* 2.48355	33.02	RMS	-31.9	-20.4	0	44.52	54	-9.48	-	-	41	162	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

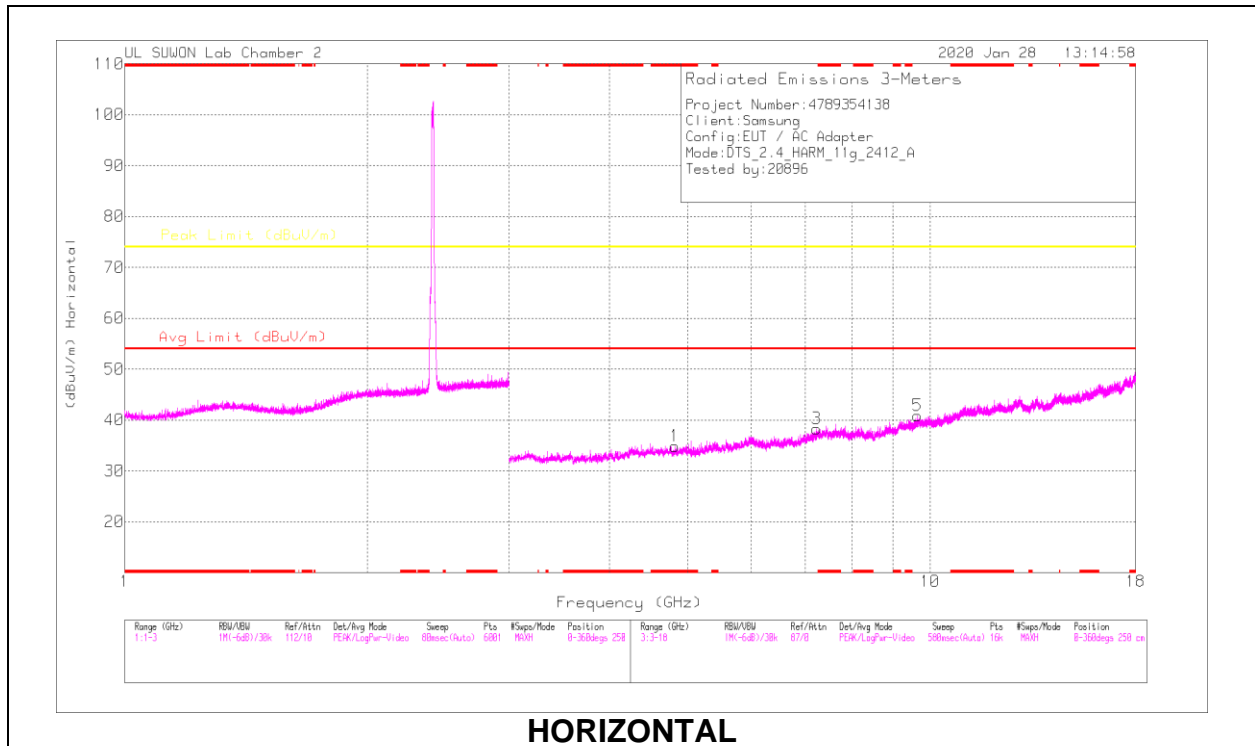


Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.72	Pk	31.9	-20.4	0	54.22	-	-	74	-19.78	263	118	V
2	* 2.49304	43.94	Pk	31.9	-20.5	0	55.34	-	-	74	-18.66	263	118	V
3	* 2.48351	31.82	RMS	31.9	-20.4	0	43.32	54	-10.68	-	-	263	118	V
4	* 2.48352	31.86	RMS	31.9	-20.4	0	43.36	54	-10.64	-	-	263	118	V

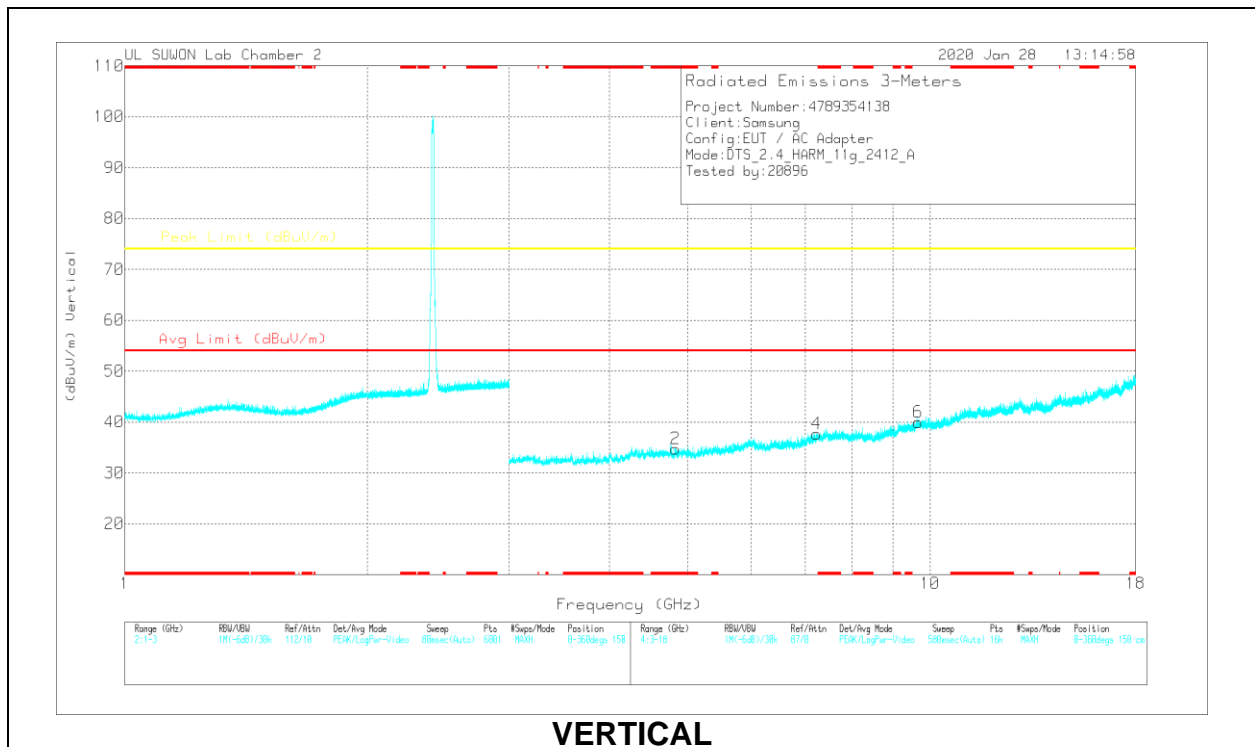
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL, CH 1 RESULTS**



**HORIZONTAL**



**VERTICAL**

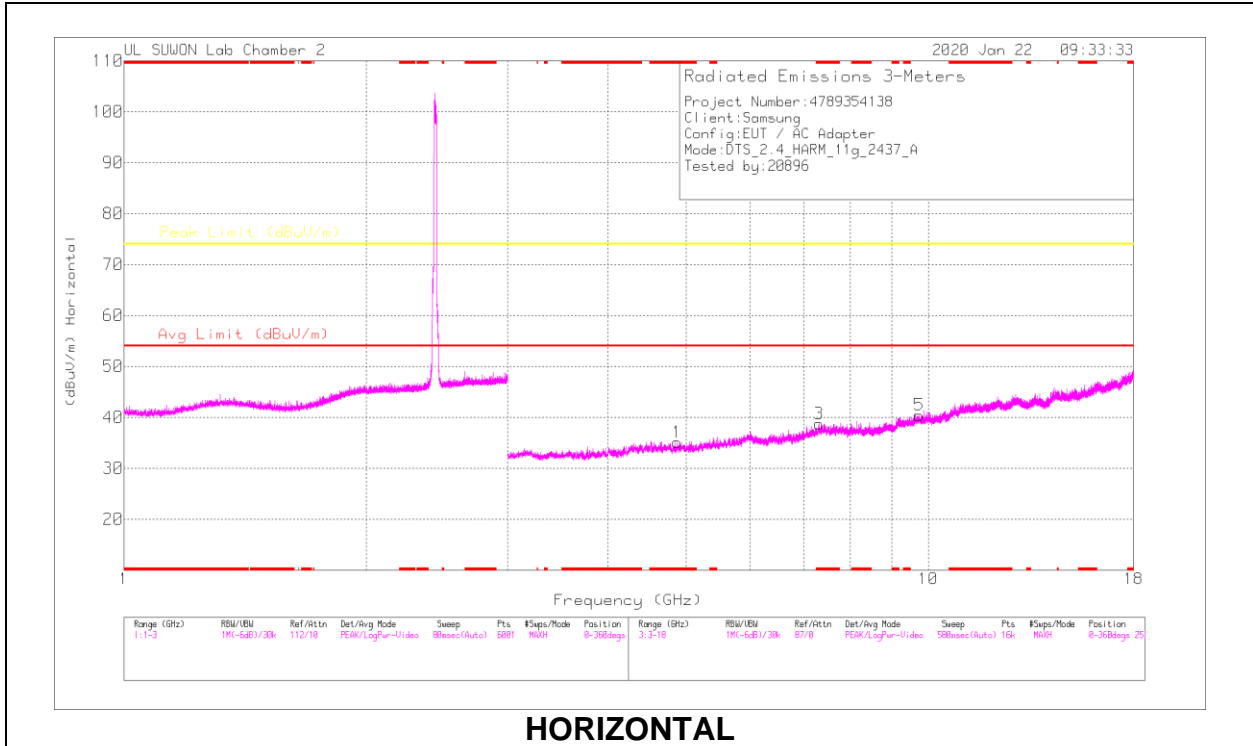
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**RADIATED EMISSIONS**

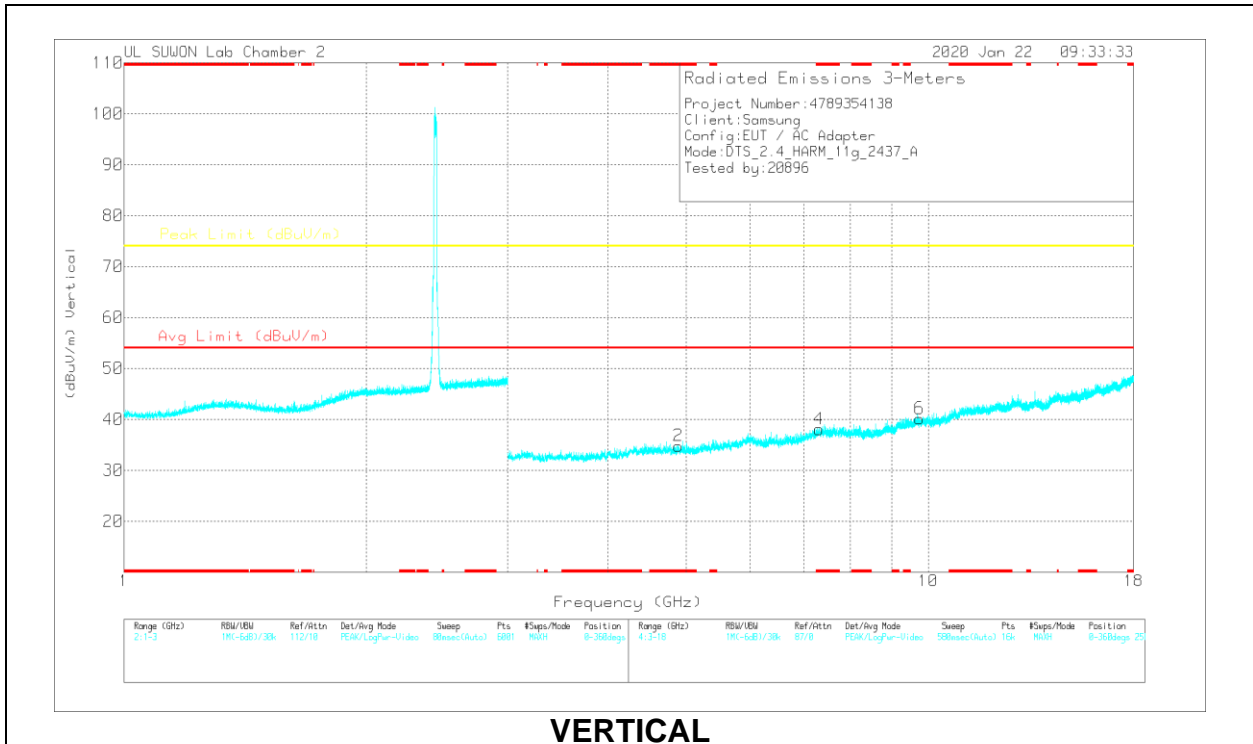
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82642	37.28	PK2	34	-28.1	0	43.18	-	-	74	-30.82	360	100	H
* 4.82235	37.33	PK2	34	-28.1	0	43.23	-	-	74	-30.77	360	100	V
7.23299	35.03	PK2	36.1	-25.3	0	45.83	-	-	74	-28.17	360	100	H
7.23284	34.98	PK2	36.1	-25.3	0	45.78	-	-	74	-28.22	360	100	V
9.64385	32.65	PK2	37	-21.5	0	48.15	-	-	74	-25.85	360	100	H
9.64891	32.83	PK2	37	-21.4	0	48.43	-	-	74	-25.57	360	100	V

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

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

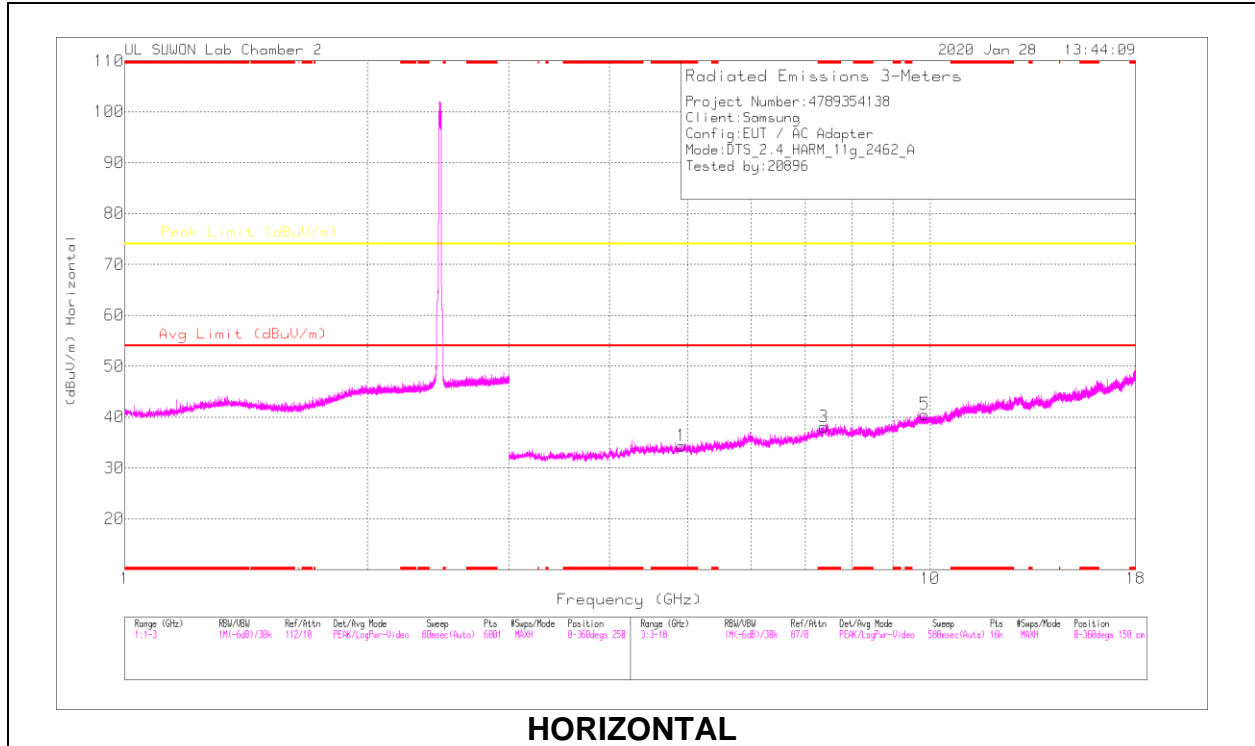
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**RADIATED EMISSIONS**

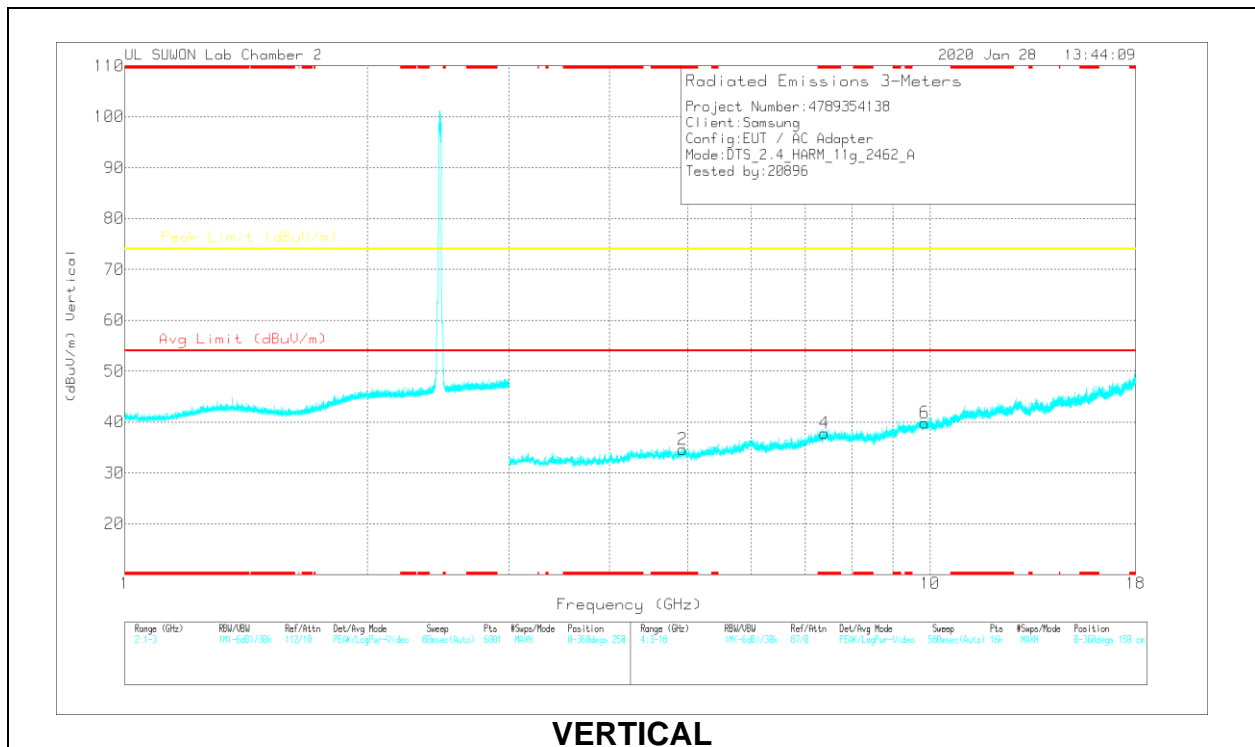
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.86681	37.55	PK2	34	-28	0	43.55	-	-	74	-30.45	0	100	H
* 4.86968	37.98	PK2	34	-27.9	0	44.08	-	-	74	-29.92	0	100	V
* 7.31162	35.15	PK2	36.2	-24.8	0	46.55	-	-	74	-27.45	0	100	H
* 7.32266	35.36	PK2	36.2	-24.8	0	46.76	-	-	74	-27.24	0	100	V
9.7424	33.73	PK2	37.2	-21.2	0	49.73	-	-	74	-24.27	0	100	H
9.74649	32.81	PK2	37.2	-21.2	0	48.81	-	-	74	-25.19	0	100	V

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

### 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_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
* 4.91664	36.15	PK2	34	-27.2	0	42.95	-	-	74	-31.05	360	100	H
* 4.92052	35.75	PK2	34	-27.2	0	42.55	-	-	74	-31.45	360	100	V
* 7.38274	34.47	PK2	36.2	-24.2	0	46.47	-	-	74	-27.53	360	100	H
* 7.38566	34.63	PK2	36.2	-24.2	0	46.63	-	-	74	-27.37	360	100	V
9.85166	32.1	PK2	37.4	-21.6	0	47.9	-	-	74	-26.1	360	100	H
9.85068	32.73	PK2	37.4	-21.6	0	48.53	-	-	74	-25.47	360	100	V

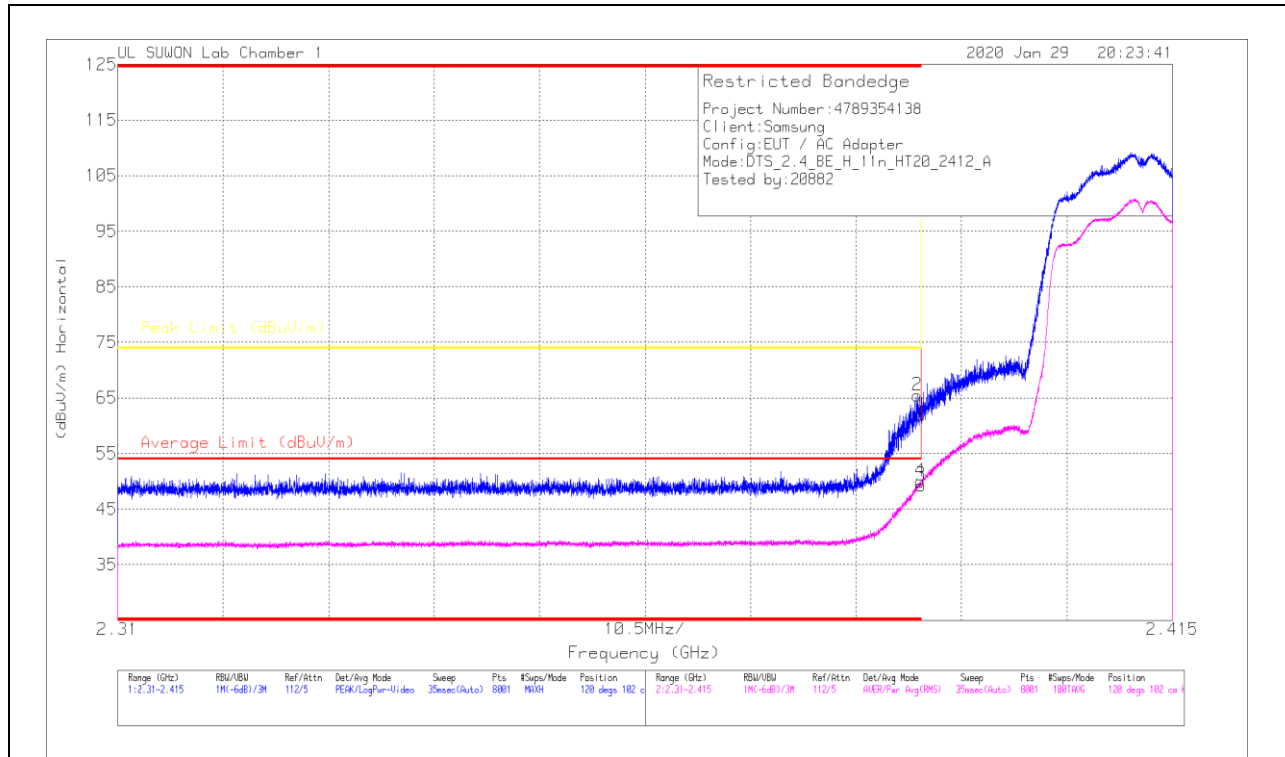
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak

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

**2TX Antenna 1 + Antenna 2 MODE**

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

**HORIZONTAL RESULT**



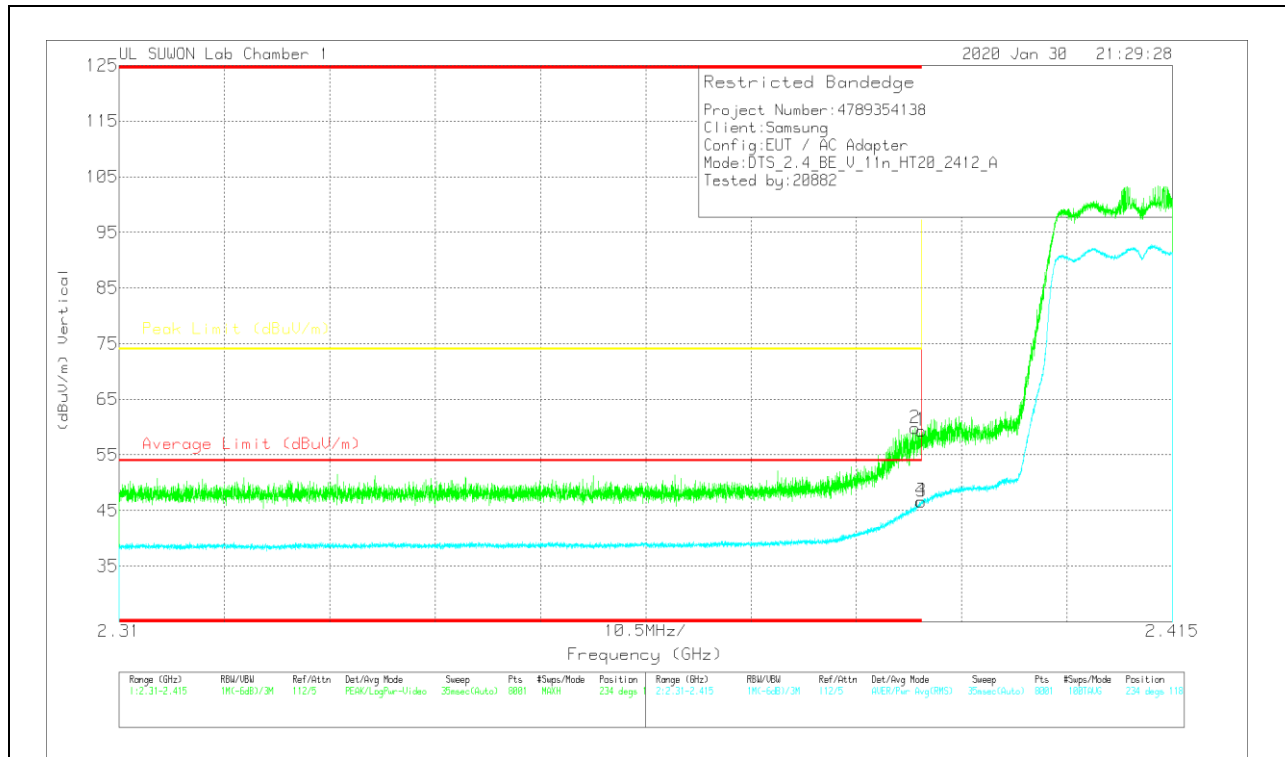
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	55.77	Pk	31.7	-25.5	0	61.97	-	-	74	-12.03	120	102	H
2	* 2.38963	59.22	Pk	31.7	-25.5	0	65.42	-	-	74	-8.58	120	102	H
3	* 2.39	43.12	RMS	31.7	-25.5	0	49.32	54	-4.68	-	-	120	102	H
4	* 2.38992	43.81	RMS	31.7	-25.5	0	50.01	54	-3.99	-	-	120	102	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



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	53.17	Pk	31.7	-25.5	0	59.37	-	-	74	-14.63	234	118	V
2	* 2.38334	53.72	Pk	31.7	-25.6	0	59.82	-	-	74	-14.18	234	118	V
3	* 2.39	40.46	RMS	31.7	-25.5	0	46.66	54	-7.34	-	-	234	118	V
4	* 2.38994	40.47	RMS	31.7	-25.5	0	46.67	54	-7.33	-	-	234	118	V

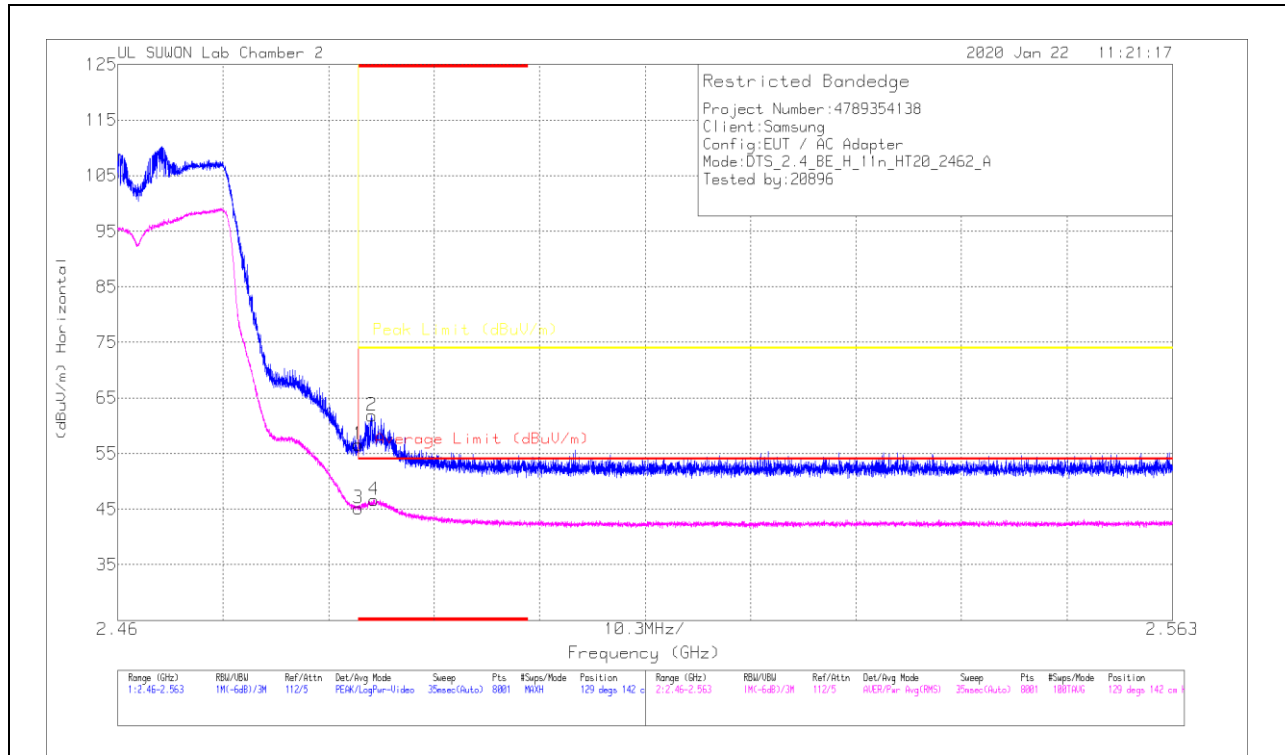
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

**HORIZONTAL RESULT**



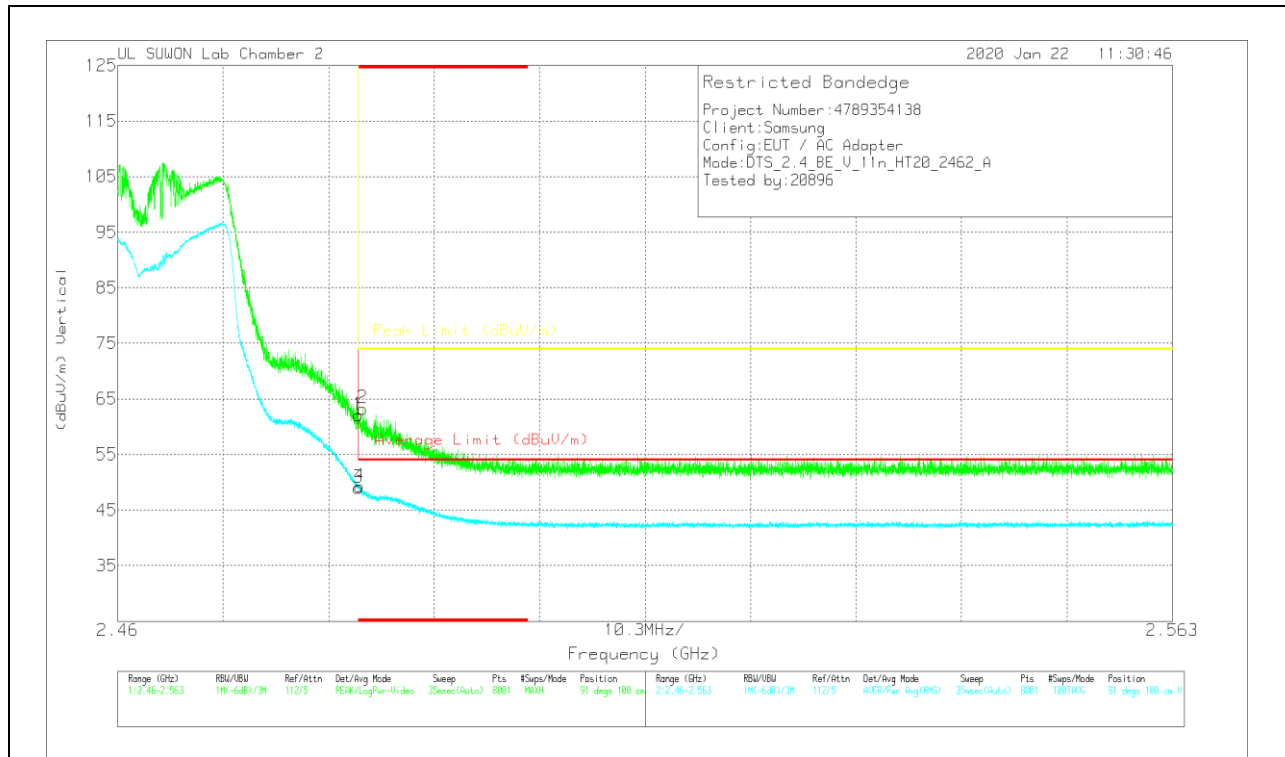
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.15	Pk	-31.9	-20.4	0	56.65	-	-	74	-17.35	129	142	H
2	* 2.48481	50.35	Pk	-31.9	-20.4	0	61.85	-	-	74	-12.15	129	142	H
3	* 2.48351	33.7	RMS	-31.9	-20.4	0	45.2	54	-8.8	-	-	129	142	H
4	* 2.48502	35.18	RMS	-31.9	-20.4	0	46.68	54	-7.32	-	-	129	142	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

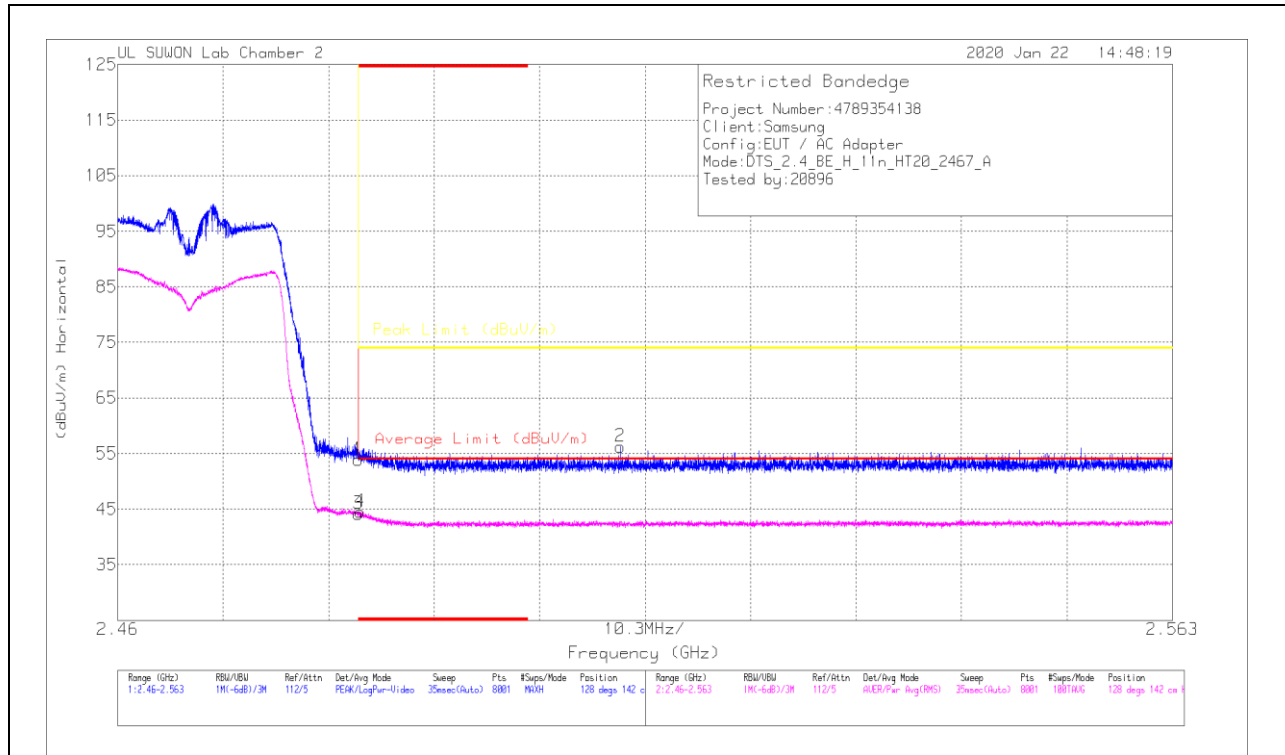


Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	50.63	Pk	31.9	-20.4	0	62.13	-	-	74	-11.87	91	100	V
2	* 2.48393	51.78	Pk	31.9	-20.4	0	63.28	-	-	74	-10.72	91	100	V
3	* 2.48351	37.56	RMS	31.9	-20.4	0	49.06	54	-4.94	-	-	91	100	V
4	* 2.48364	37.8	RMS	31.9	-20.4	0	49.3	54	-4.7	-	-	91	100	V

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

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

**HORIZONTAL RESULT**



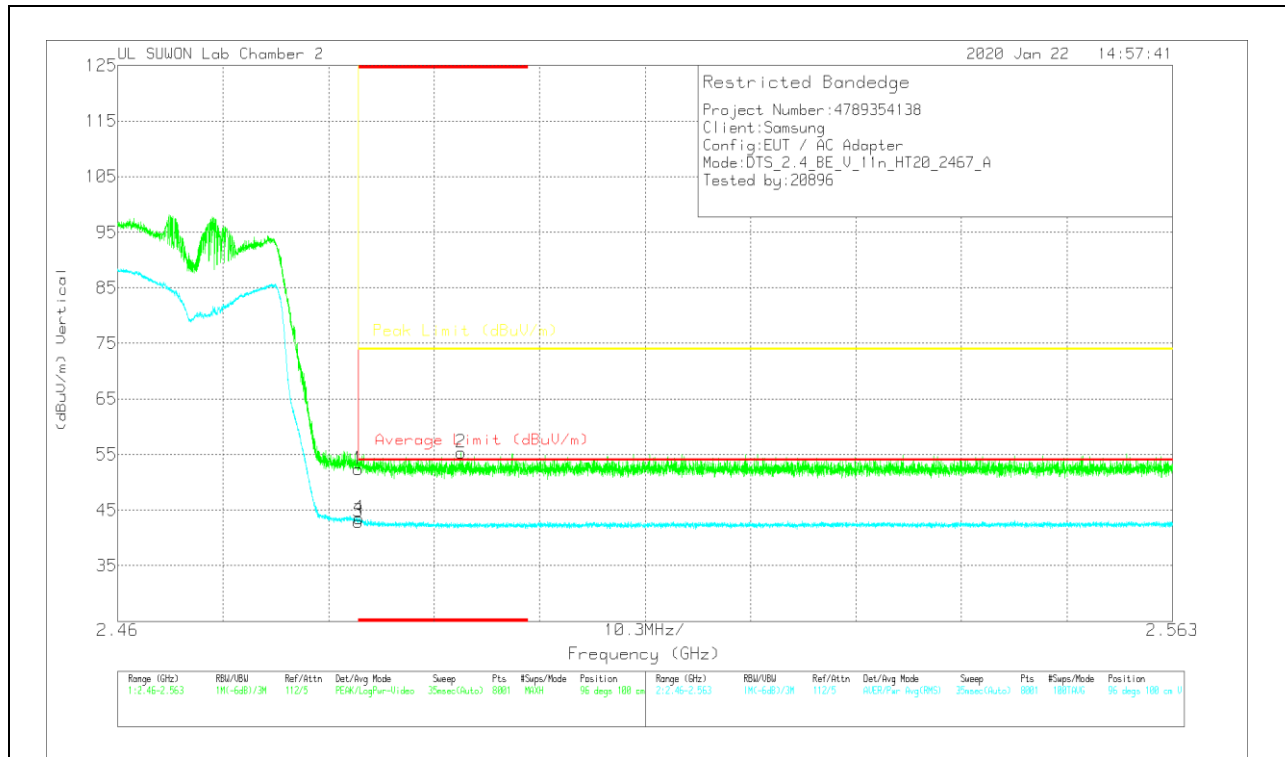
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.37	Pk	-31.9	-20.4	0	53.87	-	-	74	-20.13	128	142	H
2	2.50908	44.85	Pk	-31.9	-20.5	0	56.25	-	-	74	-17.75	128	142	H
3	* 2.48351	32.7	RMS	-31.9	-20.4	0	44.2	54	-9.8	-	-	128	142	H
4	* 2.48366	32.99	RMS	-31.9	-20.4	0	44.49	54	-9.51	-	-	128	142	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

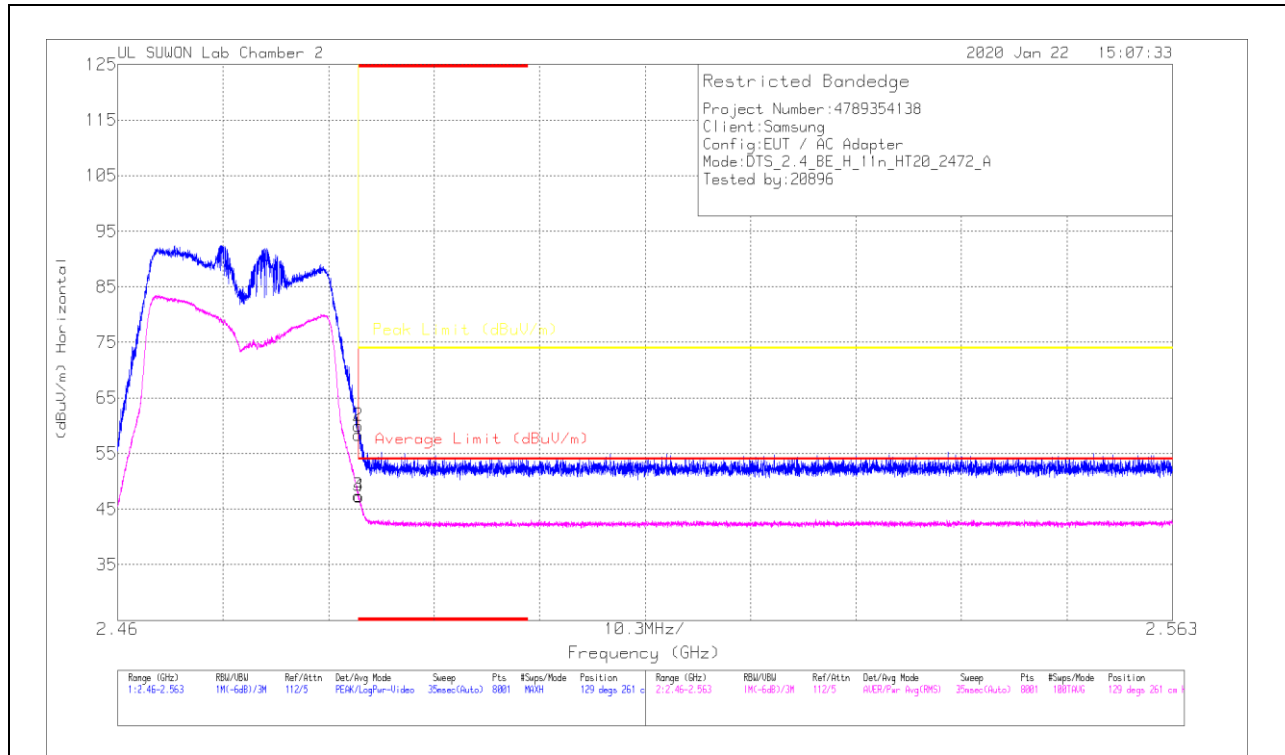


Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.82	Pk	31.9	-20.4	0	52.32	-	-	74	-21.68	96	100	V
2	* 2.49353	44.02	Pk	31.9	-20.5	0	55.42	-	-	74	-18.58	96	100	V
3	* 2.48351	31.45	RMS	31.9	-20.4	0	42.95	54	-11.05	-	-	96	100	V
4	* 2.48356	32	RMS	31.9	-20.4	0	43.5	54	-10.5	-	-	96	100	V

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

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

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meas 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	46.82	Pk	-31.9	-20.4	0	58.32	-	-	74	-15.68	129	261	H
2	* 2.48352	48.49	Pk	-31.9	-20.4	0	59.99	-	-	74	-14.01	129	261	H
3	* 2.48351	35.9	RMS	-31.9	-20.4	0	47.4	54	-6.6	-	-	129	261	H
4	* 2.48357	35.78	RMS	-31.9	-20.4	0	47.28	54	-6.72	-	-	129	261	H

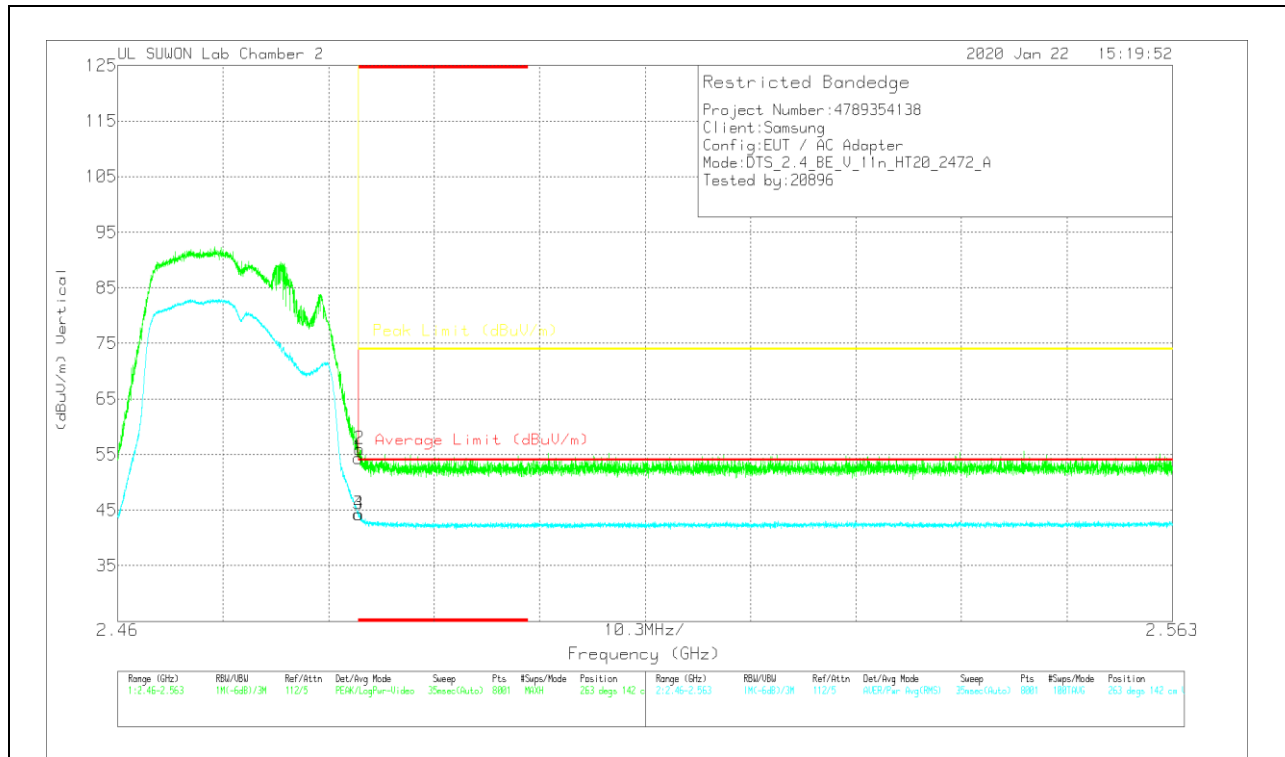
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT

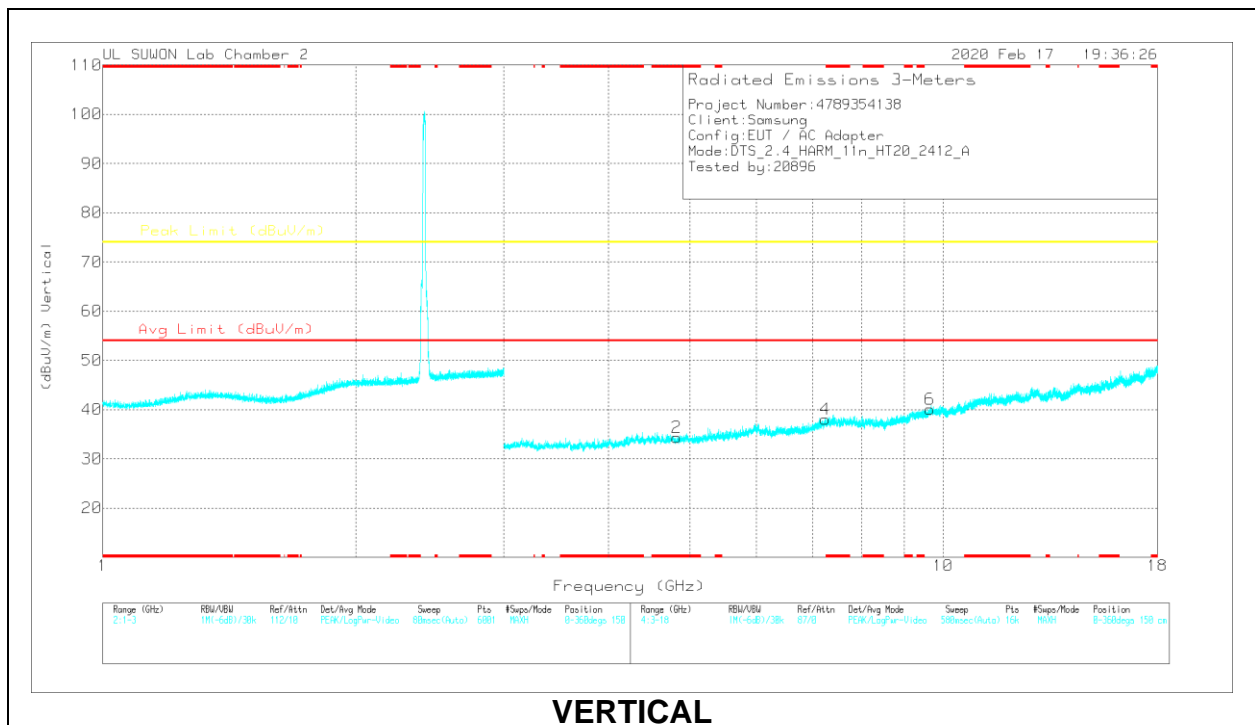
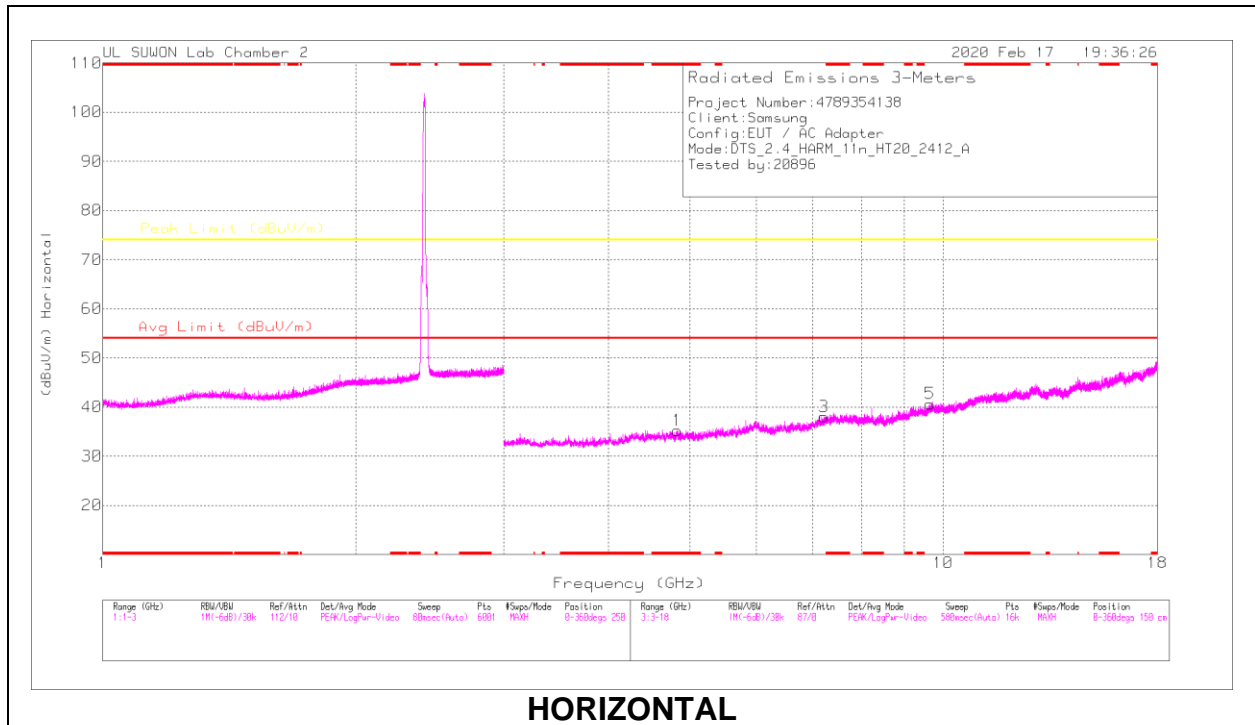


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.85	Pk	31.9	-20.4	0	54.35	-	-	74	-19.65	263	142	V
2	* 2.48364	44.44	Pk	31.9	-20.4	0	55.94	-	-	74	-18.06	263	142	V
3	* 2.48351	32.76	RMS	31.9	-20.4	0	44.26	54	-9.74	-	-	263	142	V
4	* 2.48354	32.77	RMS	31.9	-20.4	0	44.27	54	-9.73	-	-	263	142	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**



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

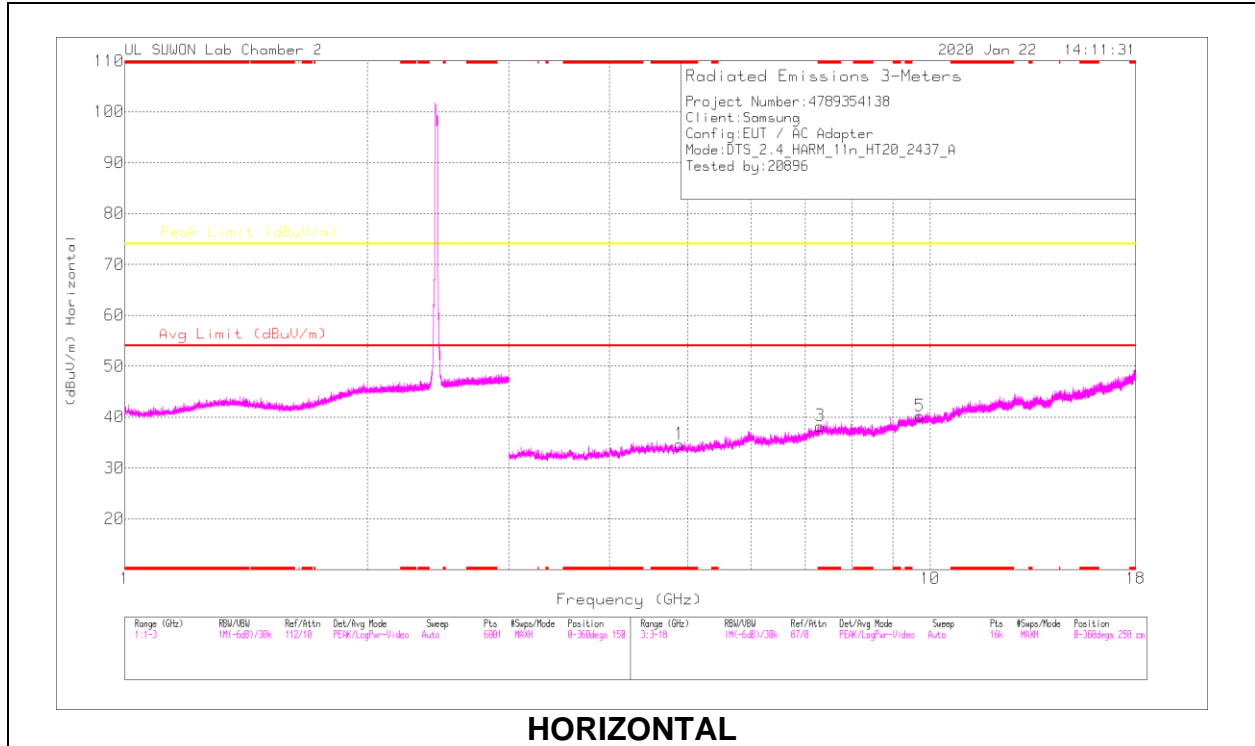
**RADIATED EMISSIONS**

Radiated Emissions

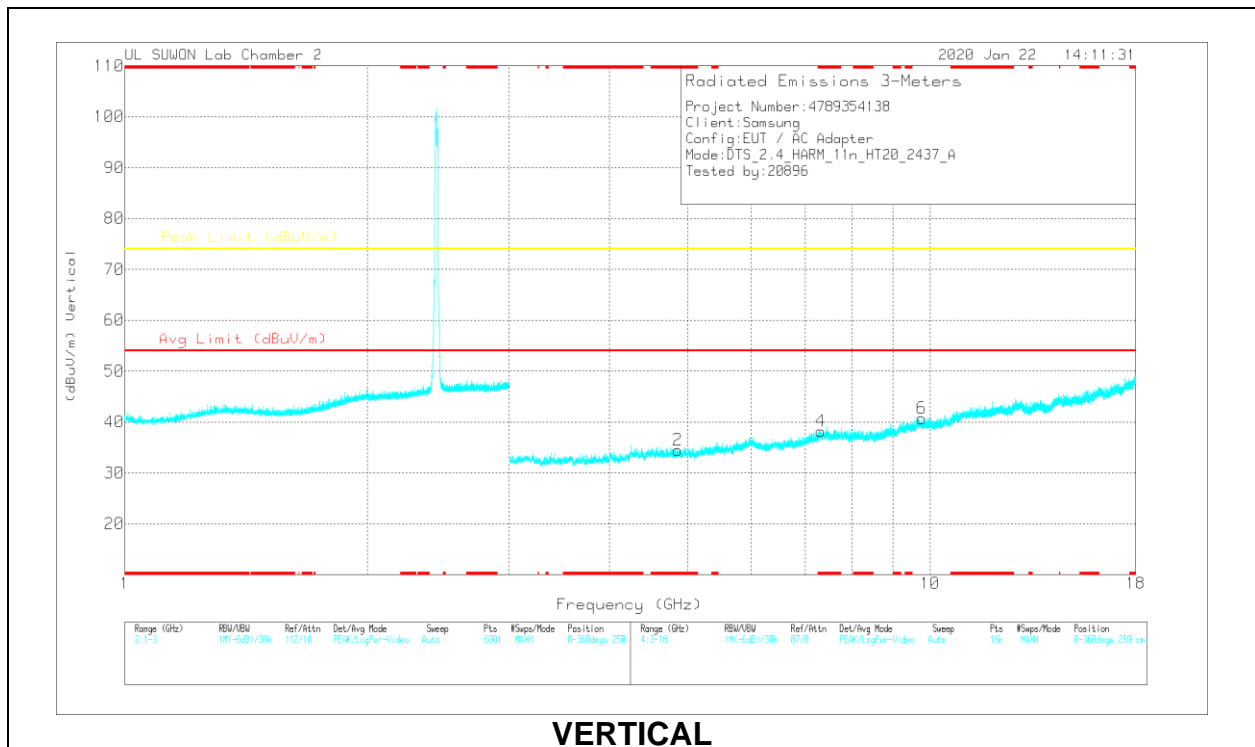
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.83361	37.14	PK2	34	-28.1	0	43.04	-	-	74	-30.96	0	100	H
* 4.83265	37.6	PK2	34	-28.1	0	43.5	-	-	74	-30.5	0	100	V
7.22424	35.05	PK2	36.1	-25.3	0	45.85	-	-	74	-28.15	0	100	H
7.22513	35.3	PK2	36.1	-25.3	0	46.1	-	-	74	-27.9	0	100	V
9.64255	32.85	PK2	37	-21.5	0	48.35	-	-	74	-25.65	0	100	H
9.64022	32.61	PK2	37	-21.5	0	48.11	-	-	74	-25.89	0	100	V

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

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

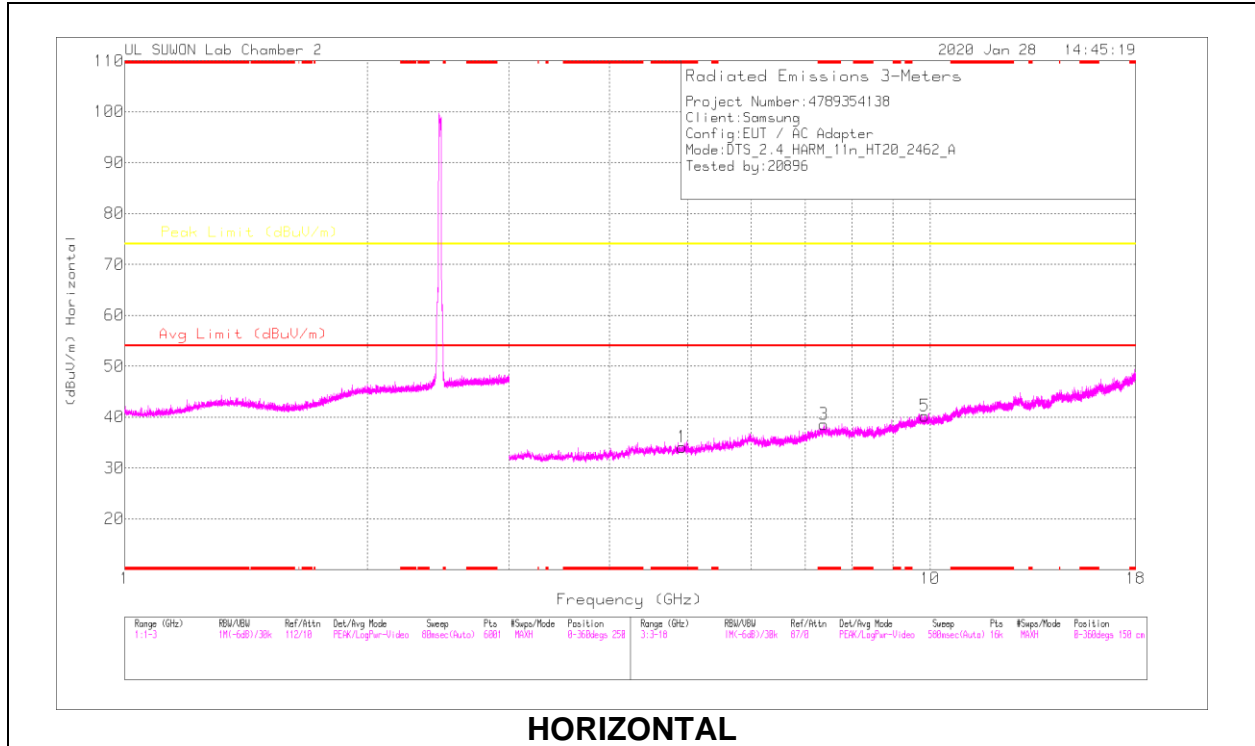
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**RADIATED EMISSIONS**

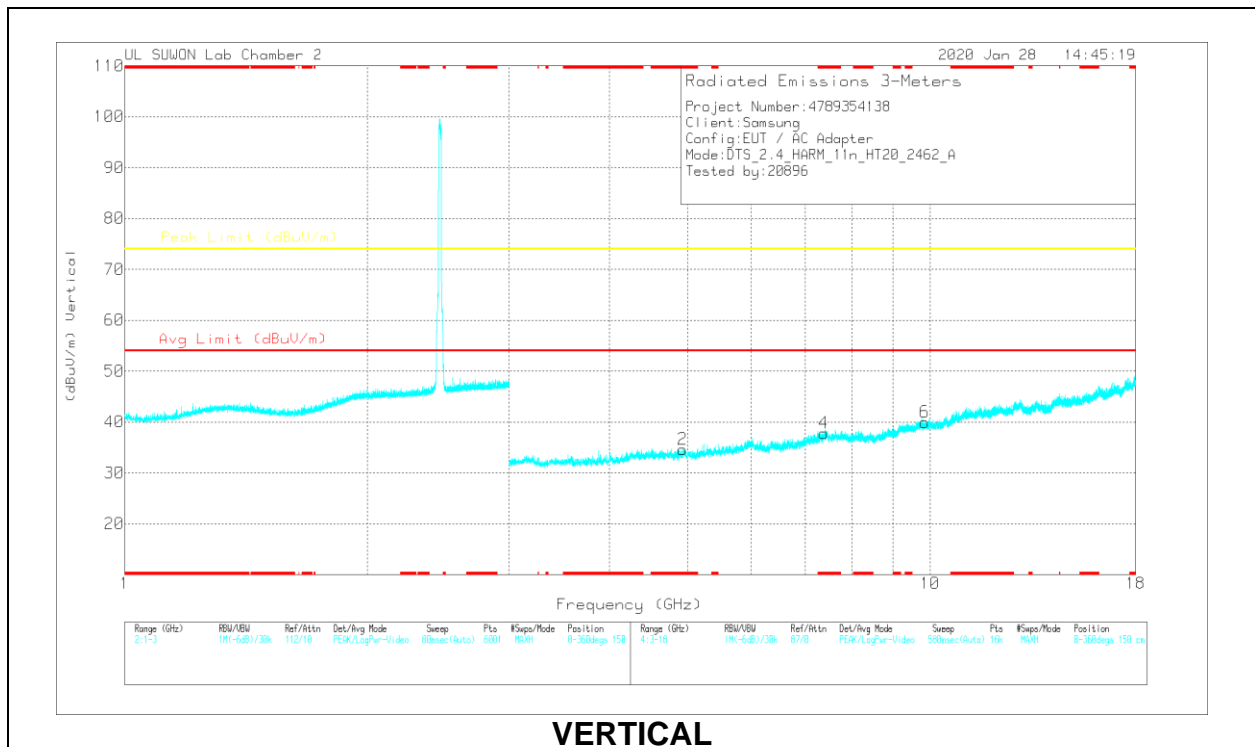
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.88953	37.41	PK2	34	-27.7	0	43.71	-	-	74	-30.29	360	100	H
* 4.88953	36.8	PK2	34	-27.7	0	43.1	-	-	74	-30.9	360	100	V
* 7.30238	35.37	PK2	36.2	-24.9	0	46.67	-	-	74	-27.33	360	100	H
* 7.30272	35.85	PK2	36.2	-24.9	0	47.15	-	-	74	-26.85	360	100	V
9.71858	32.31	PK2	37.1	-21.2	0	48.21	-	-	74	-25.79	360	100	H
9.71942	32.3	PK2	37.2	-21.2	0	48.3	-	-	74	-25.7	360	100	V

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

### HIGH CHANNEL, CH 11 RESULTS



**HORIZONTAL**



**VERTICAL**

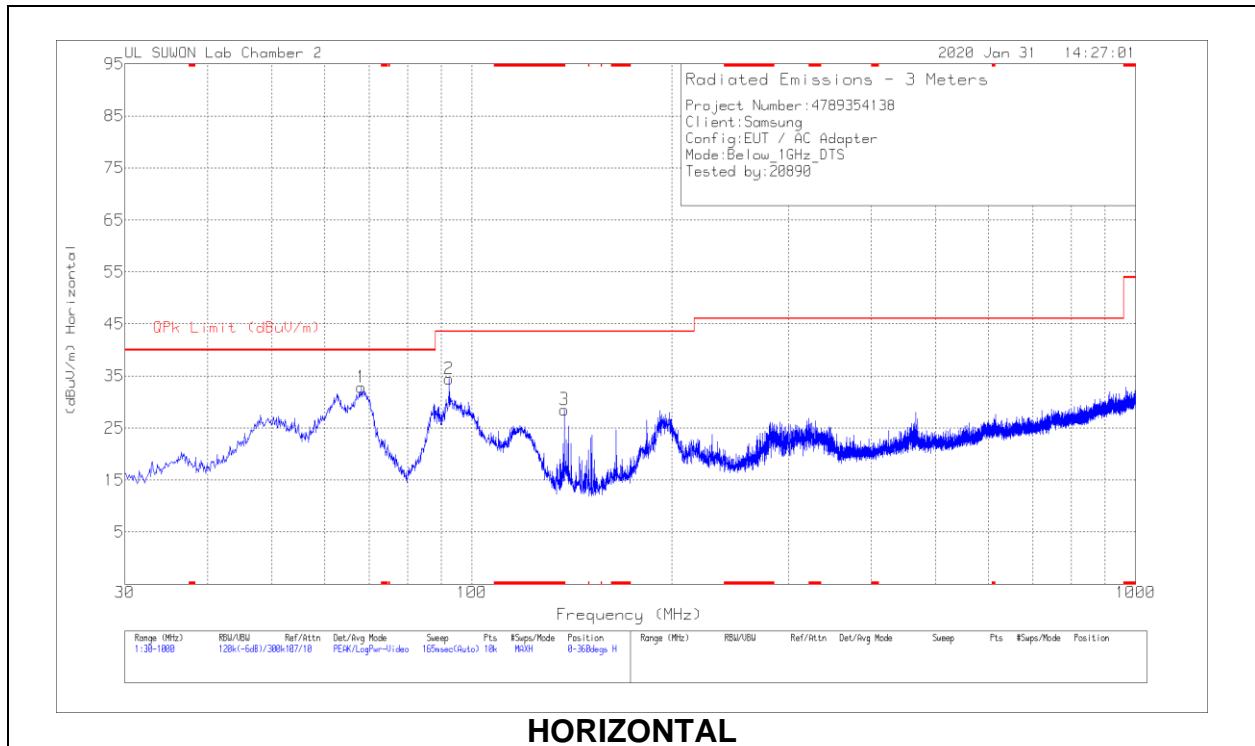
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**RADIATED EMISSIONS**

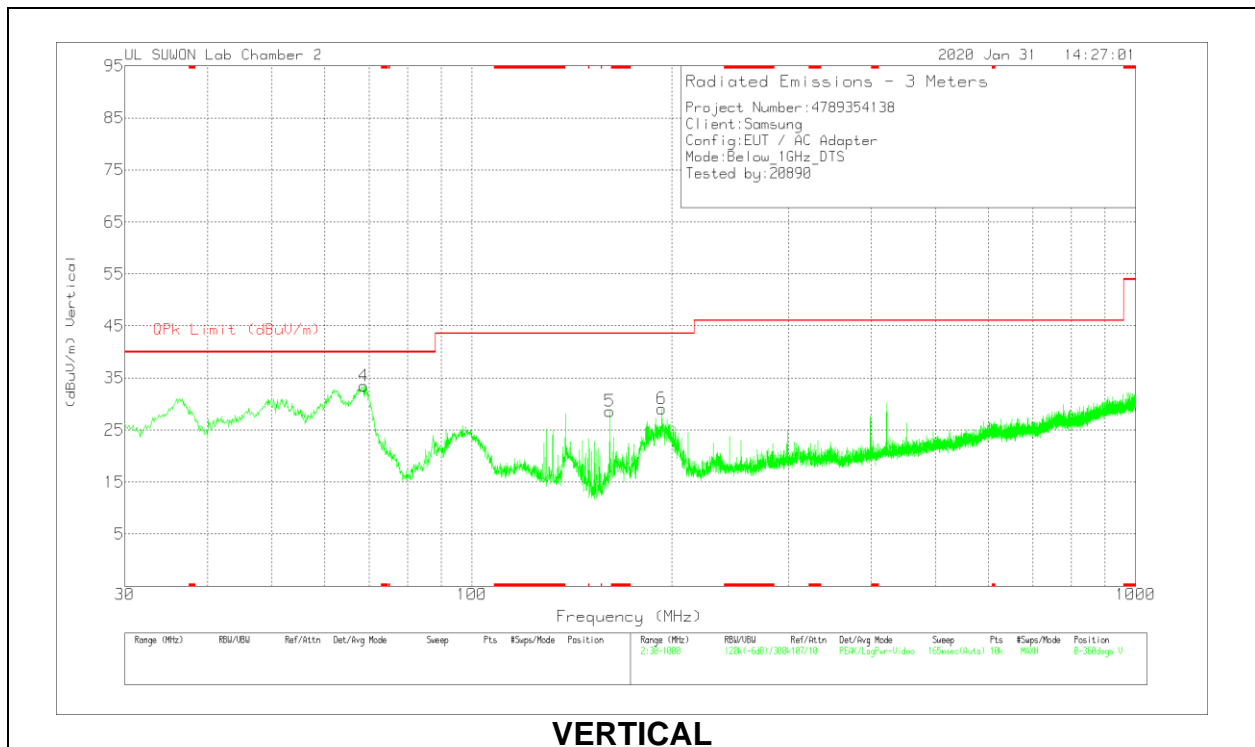
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.92357	36.52	PK2	34	-27.2	0	43.32	-	-	74	-30.68	0	100	H
* 4.92574	36.02	PK2	34	-27.2	0	42.82	-	-	74	-31.18	0	100	V
* 7.37727	34.99	PK2	36.2	-24.2	0	46.99	-	-	74	-27.01	0	100	H
* 7.37688	34.55	PK2	36.2	-24.2	0	46.55	-	-	74	-27.45	0	100	V
9.84809	32.88	PK2	37.3	-21.6	0	48.58	-	-	74	-25.42	0	100	H
9.84755	32.52	PK2	37.3	-21.6	0	48.22	-	-	74	-25.78	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**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	68.218	48.25	Pk	16.2	-31.6	0	32.85	40	-7.15	0-360	400	H
2	92.468	49.39	Pk	16.5	-31.4	0	34.49	43.52	-9.03	0-360	300	H
3	* 137.864	45.54	Pk	14.1	-31.1	0	28.54	43.52	-14.98	0-360	200	H
4	68.8	48.91	Pk	15.9	-31.4	0	33.41	40	-6.59	0-360	100	V
5	161.338	45.05	Pk	14.7	-31.1	0	28.65	43.52	-14.87	0-360	100	V
6	193.348	42.18	Pk	17.7	-30.8	0	29.08	43.52	-14.44	0-360	300	V

## 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.

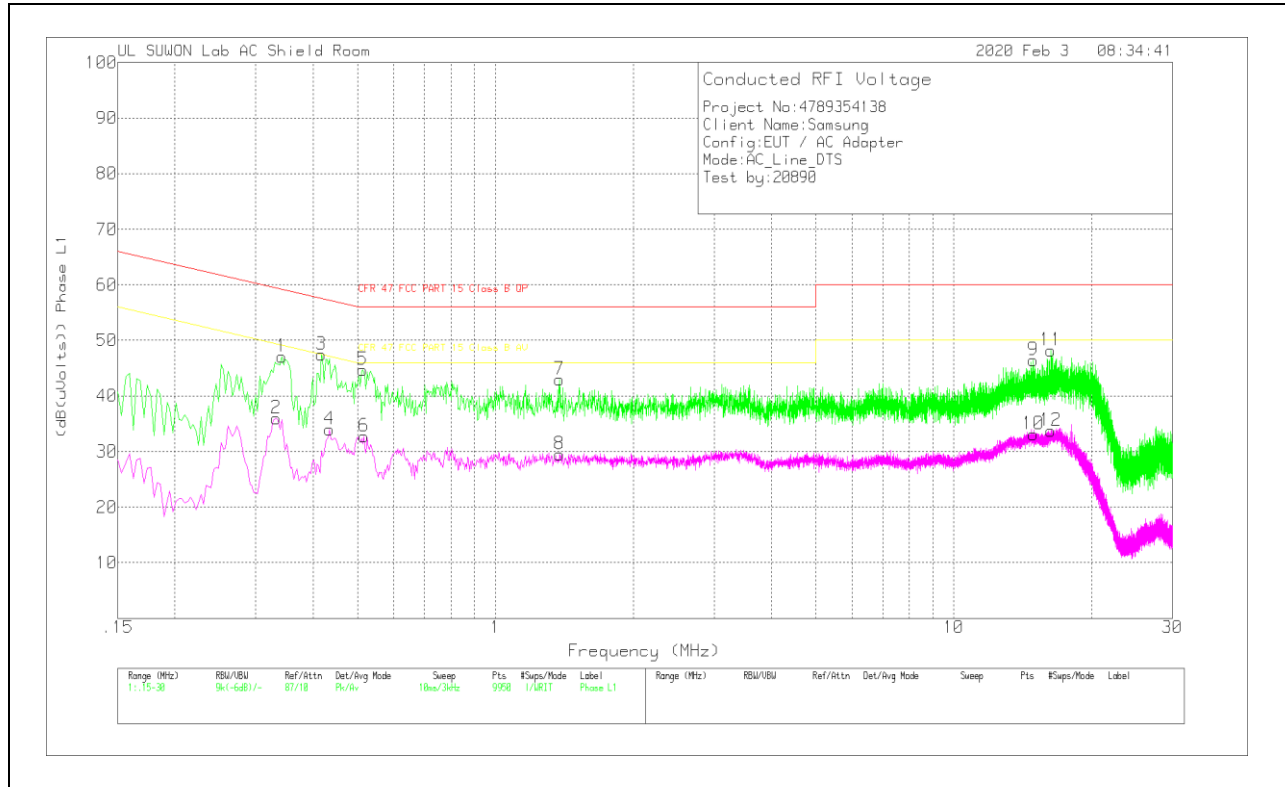
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

### 11.1.1. AC Power Line

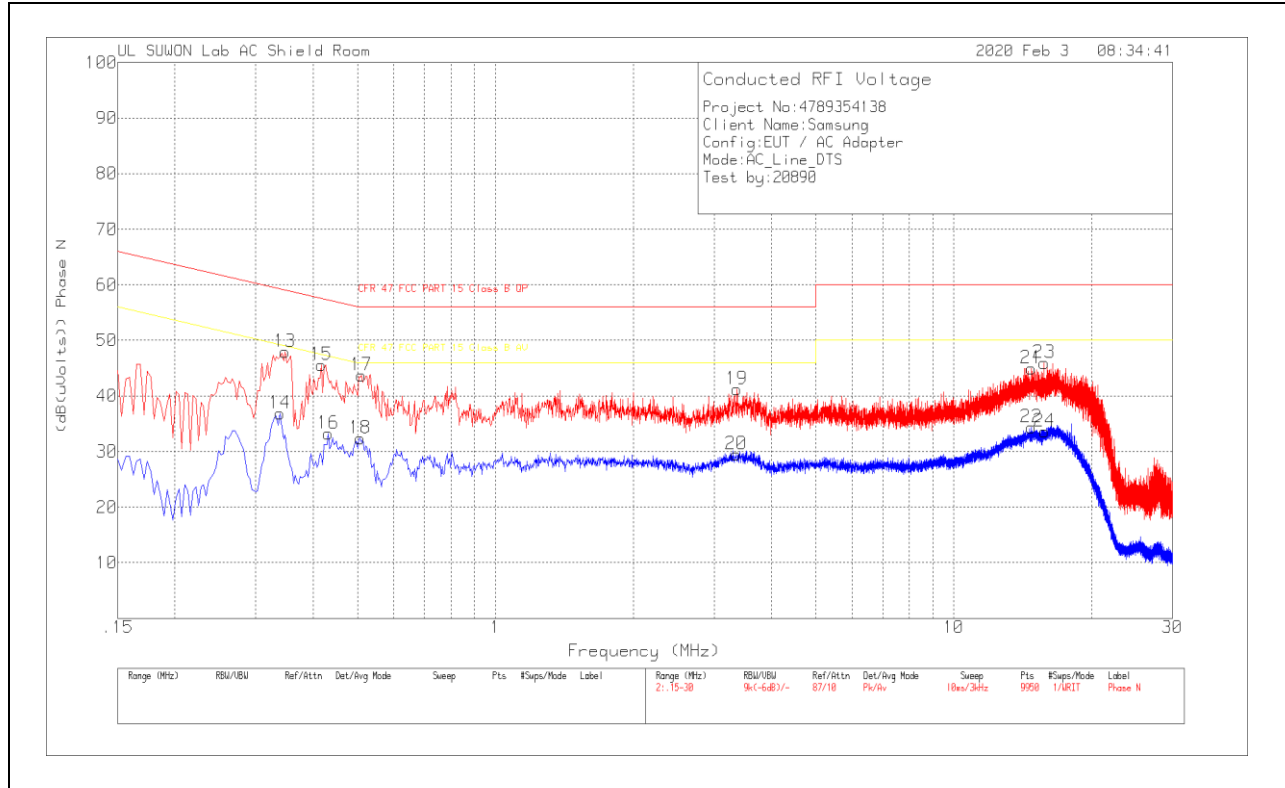
### LINE 1 RESULTS



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	.342	36.97	Pk	9.9	.2	47.07	59.15	-12.08	-	-
2	.333	25.94	Av	9.8	.2	35.94	-	-	49.38	-13.44
3	.417	37.39	Pk	9.9	.2	47.49	57.51	-10.02	-	-
4	.435	23.85	Av	9.9	.2	33.95	-	-	47.16	-13.21
5	.513	34.59	Pk	9.9	.2	44.69	56	-11.31	-	-
6	.516	22.64	Av	9.9	.2	32.74	-	-	46	-13.26
7	1.38	32.9	Pk	9.8	.3	43	56	-13	-	-
8	1.38	19.37	Av	9.8	.3	29.47	-	-	46	-16.53
9	14.91	36	Pk	10.1	.4	46.5	60	-13.5	-	-
10	14.925	22.66	Av	10.1	.4	33.16	-	-	50	-16.84
11	16.281	37.61	Pk	10.2	.4	48.21	60	-11.79	-	-
12	16.29	23.09	Av	10.2	.4	33.69	-	-	50	-16.31

**LINE 2 RESULTS**



**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	.348	37.81	Pk	9.9	.2	47.91	59.01	-11.1	-	-
14	.339	26.88	Av	9.8	.2	36.88	-	-	49.23	-12.35
15	.417	35.5	Pk	9.9	.2	45.6	57.51	-11.91	-	-
16	.432	23.17	Av	9.9	.2	33.27	-	-	47.21	-13.94
17	.51	33.56	Pk	9.9	.2	43.66	56	-12.34	-	-
18	.507	22.25	Av	9.9	.2	32.35	-	-	46	-13.65
19	3.363	31.12	Pk	9.8	.3	41.22	56	-14.78	-	-
20	3.351	19.43	Av	9.8	.3	29.53	-	-	46	-16.47
21	14.784	34.45	Pk	10.1	.4	44.95	60	-15.05	-	-
22	14.784	23.84	Av	10.1	.4	34.34	-	-	50	-15.66
23	15.756	35.35	Pk	10.2	.4	45.95	60	-14.05	-	-
24	15.777	23.03	Av	10.2	.4	33.63	-	-	50	-16.37

**END OF TEST REPORT**