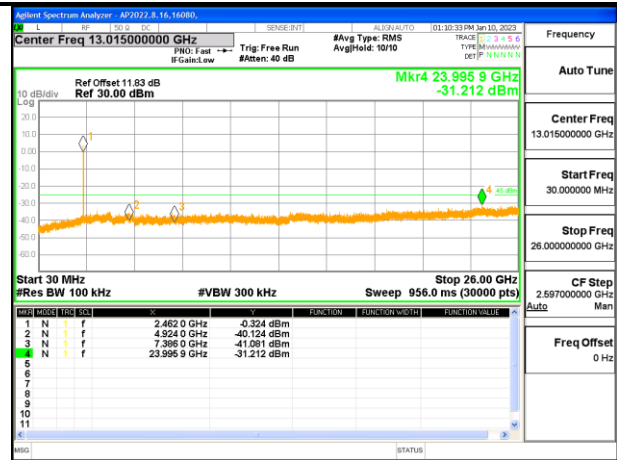
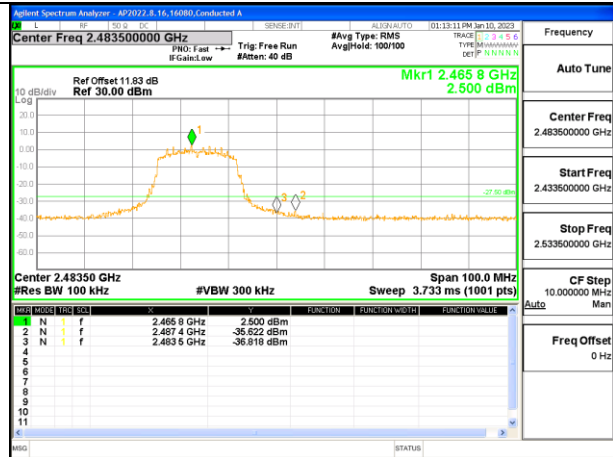


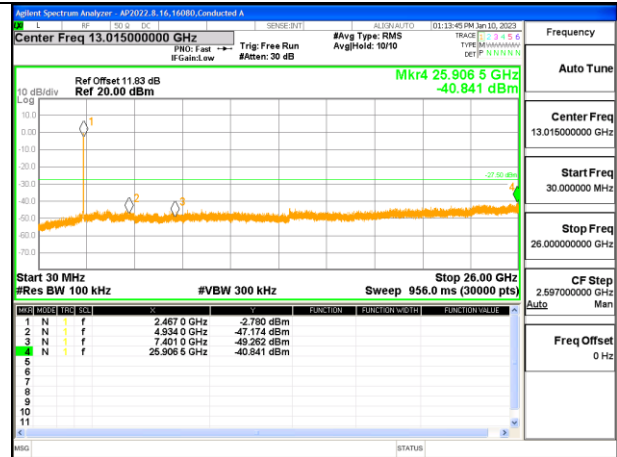
**HIGH CHANNEL 11 BANDEDGE**



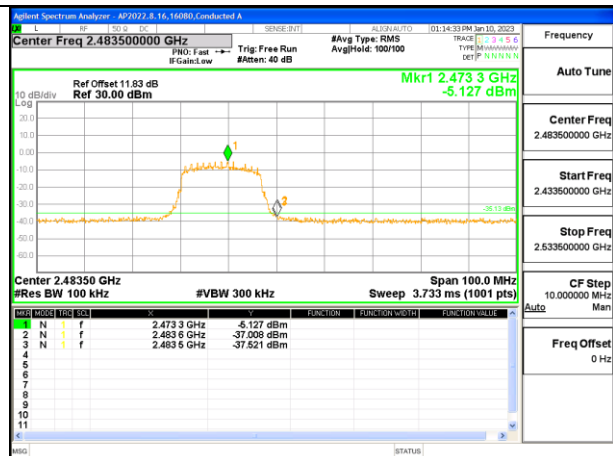
**OUT-OF-BAND HIGH CHANNEL 11**



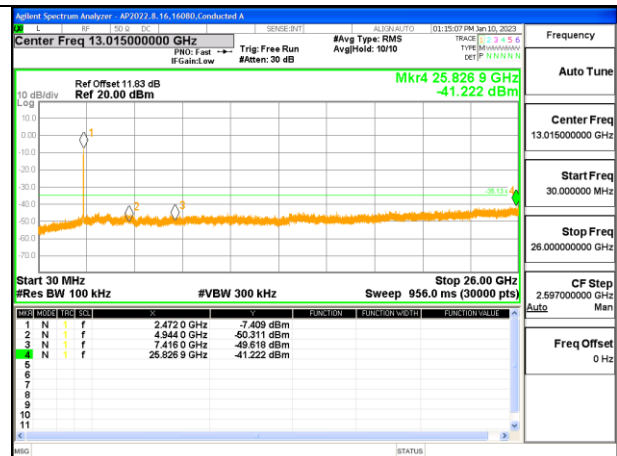
**HIGH CHANNEL 12 BANDEDGE**



**OUT-OF-BAND HIGH CHANNEL 12**



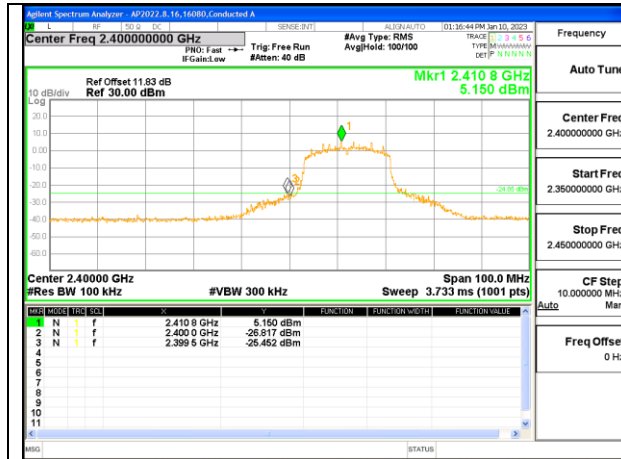
**HIGH CHANNEL 13 BANDEDGE**



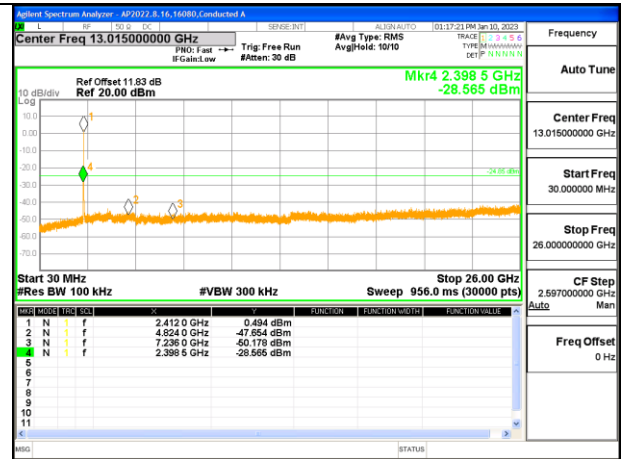
**OUT-OF-BAND HIGH CHANNEL 13**

9.5.3. 802.11n HT20 MODE

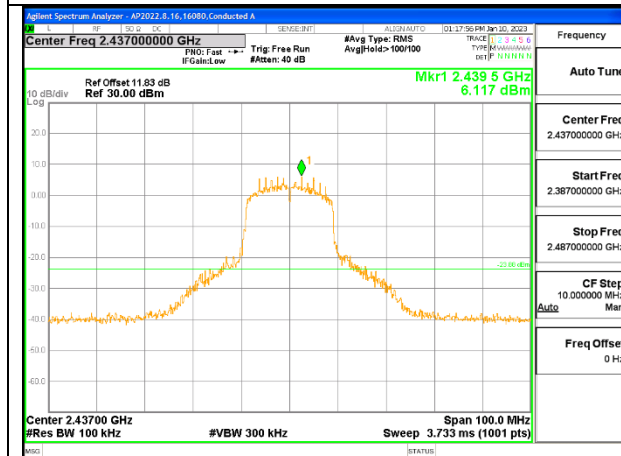
1TX Antenna 1 MODE



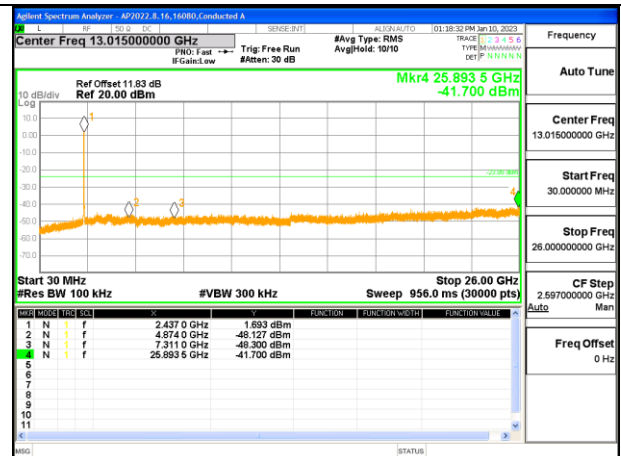
LOW CHANNEL 1 BANDEDGE



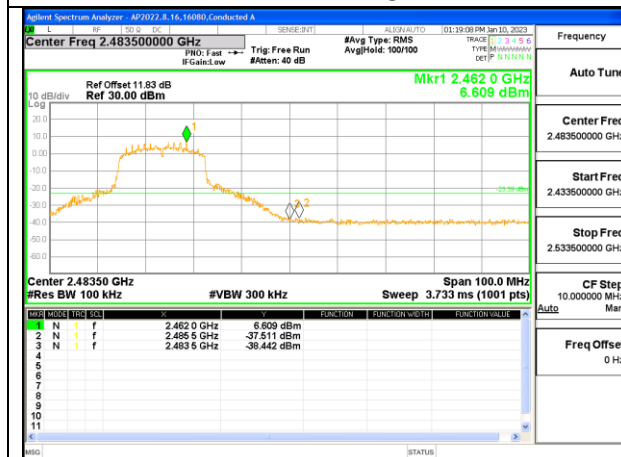
OUT-OF-BAND LOW CHANNEL 1



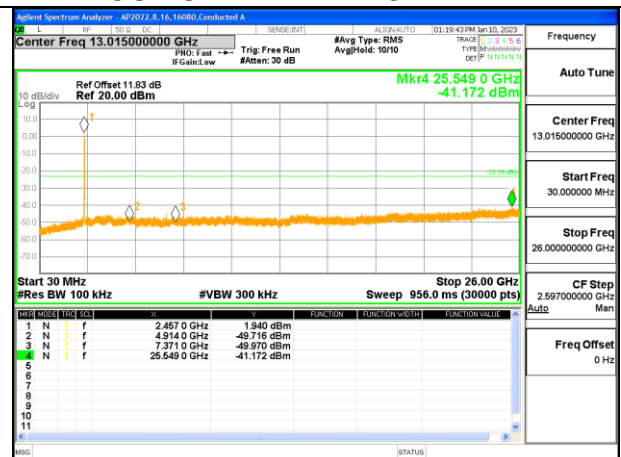
IN-BAND REFERENCE LEVEL



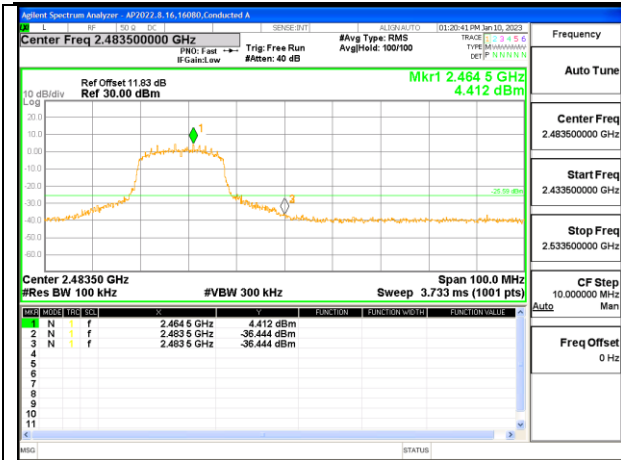
OUT-OF-BAND MID CHANNEL



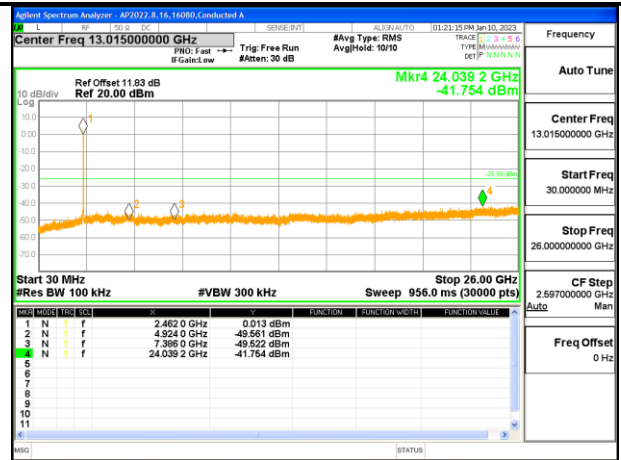
HIGH CHANNEL 10 BANDEDGE



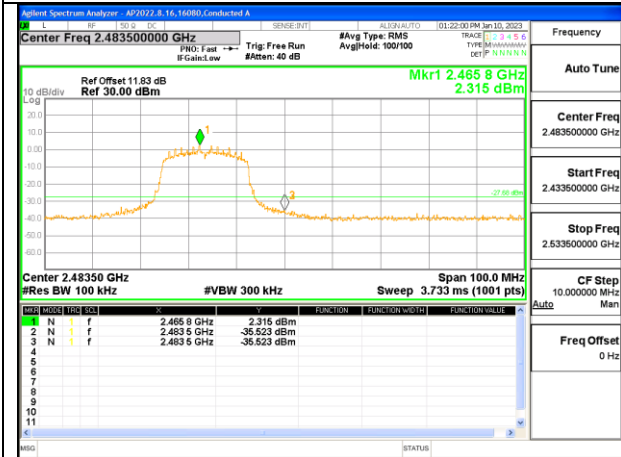
OUT-OF-BAND HIGH CHANNEL 10



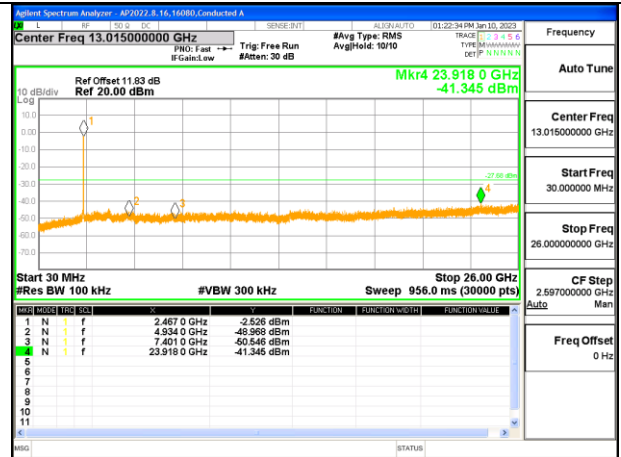
**HIGH CHANNEL 11 BANDEDGE**



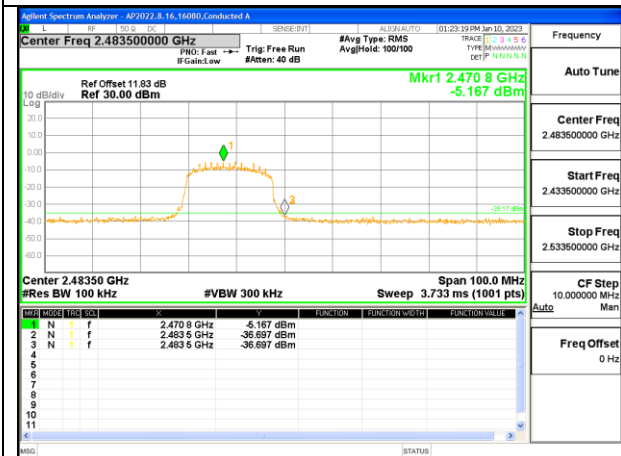
**OUT-OF-BAND HIGH CHANNEL 11**



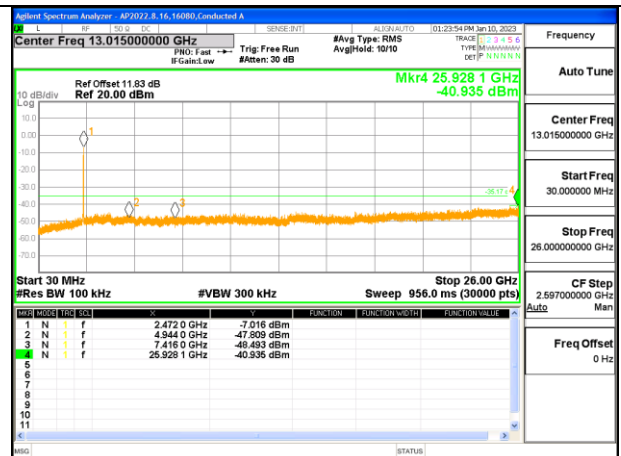
**HIGH CHANNEL 12 BANDEDGE**



**OUT-OF-BAND HIGH CHANNEL 12**



**HIGH CHANNEL 13 BANDEDGE**



**OUT-OF-BAND HIGH CHANNEL 13**

## 10. RADIATED TEST RESULTS

### LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

**KDB 414788 Open Field Site (OFS) and Chamber Correlation Justification**

OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

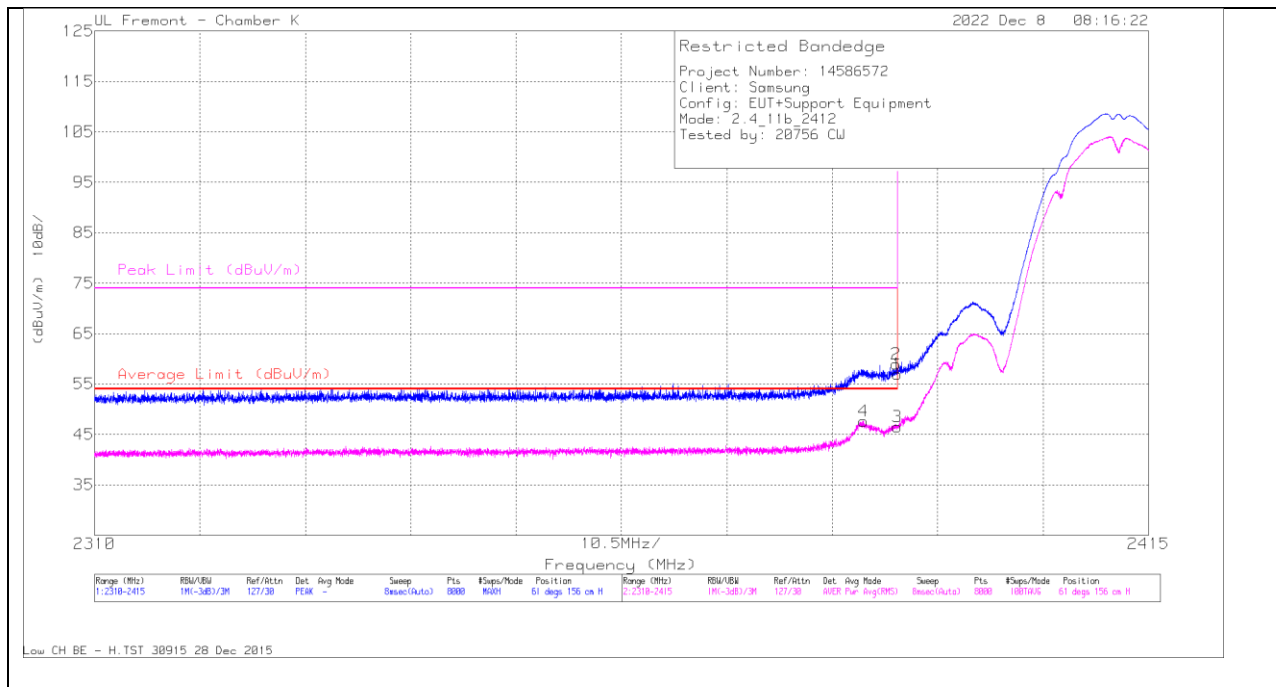
## 10.1. TRANSMITTER ABOVE 1 GHz

### 10.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

#### 1TX Antenna 1 MODE

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

#### HORIZONTAL RESULT



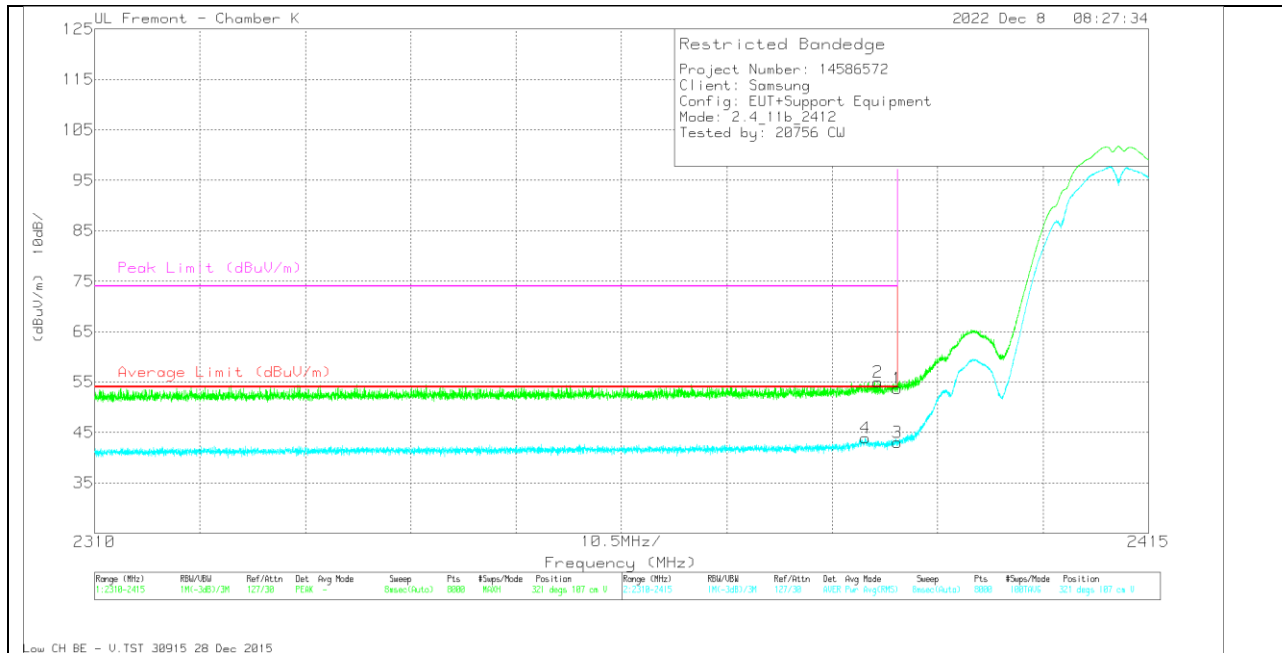
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	60.04	PK	31.8	-34.9	56.94	-	-	74	-17.06	61	156	H
2	* 2389.852	62.11	PK	31.8	-34.9	59.01	-	-	74	-14.99	61	156	H
3	* 2390	49.66	RMS	31.8	-34.9	46.56	54	-7.44	-	-	61	156	H
4	* 2386.596	50.74	RMS	31.8	-34.9	47.64	54	-6.36	-	-	61	156	H

\* - indicates frequency in CFR47 Pt 15

PK - Peak detector

RMS - RMS detection

### VERTICAL RESULT

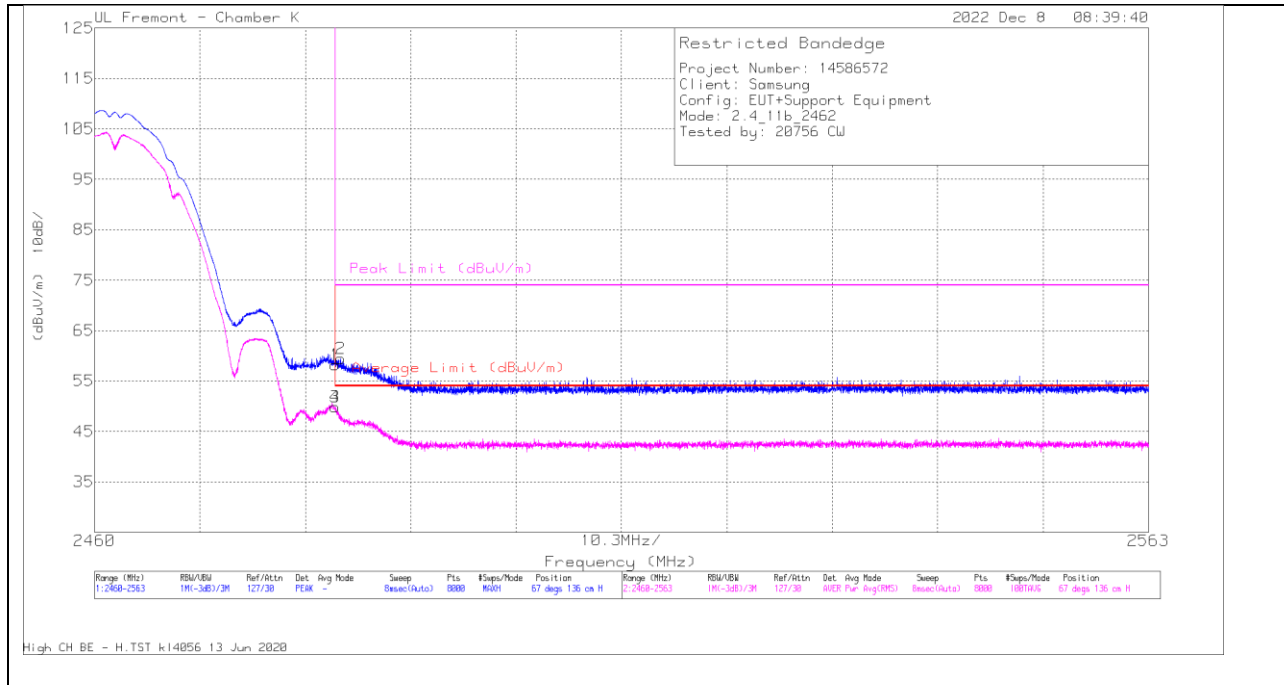


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3MH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	56.8	PK	31.8	-34.9	53.7	-	-	74	-20.3	321	107	V
2	* 2388.053	58.03	PK	31.8	-34.8	55.03	-	-	74	-18.97	321	107	V
3	* 2390	46.18	RMS	31.8	-34.9	43.08	54	-10.92	-	-	321	107	V
4	* 2386.819	46.98	RMS	31.8	-34.9	43.88	54	-10.12	-	-	321	107	V

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection

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

**HORIZONTAL RESULT**

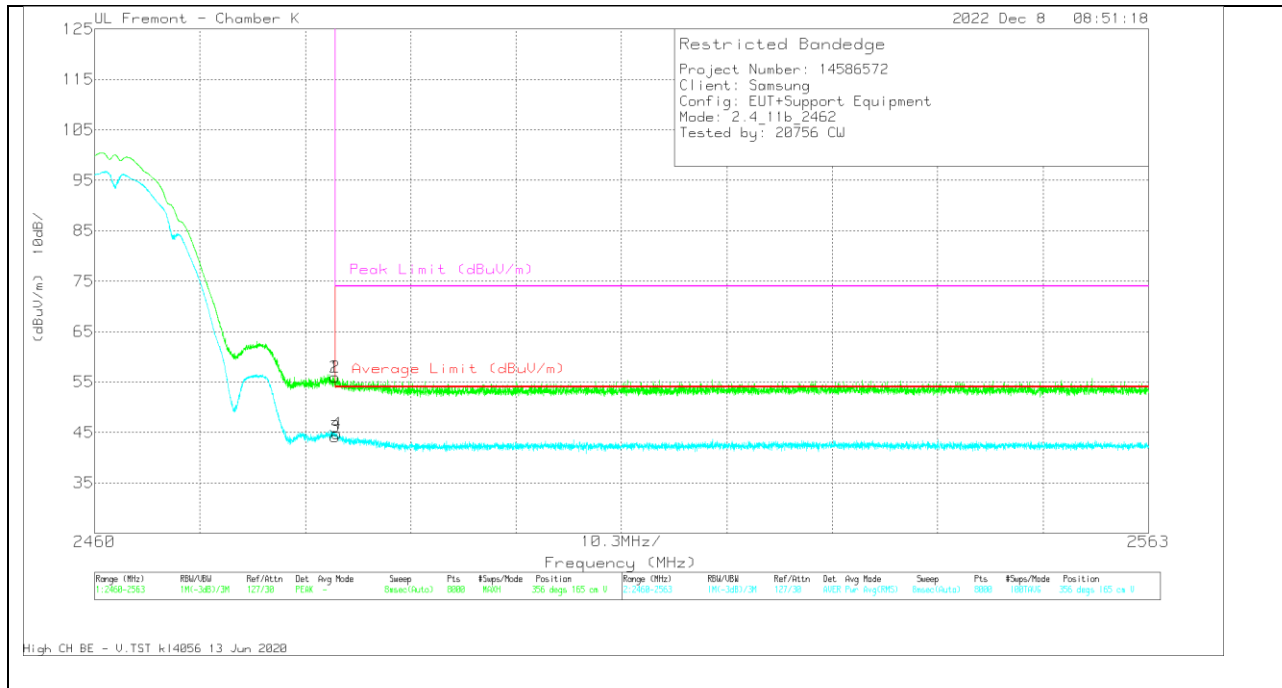


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	60.55	Pk	32.2	-34.5	58.25	-	-	74	-15.75	67	136	H
2	* 2484.028	61.78	Pk	32.2	-34.5	59.48	-	-	74	-14.52	67	136	H
3	* 2483.5	52.17	RMS	32.2	-34.5	49.87	54	-4.13	-	-	67	136	H
4	* 2483.501	52.2	RMS	32.2	-34.5	49.9	54	-4.1	-	-	67	136	H

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection



### VERTICAL RESULT

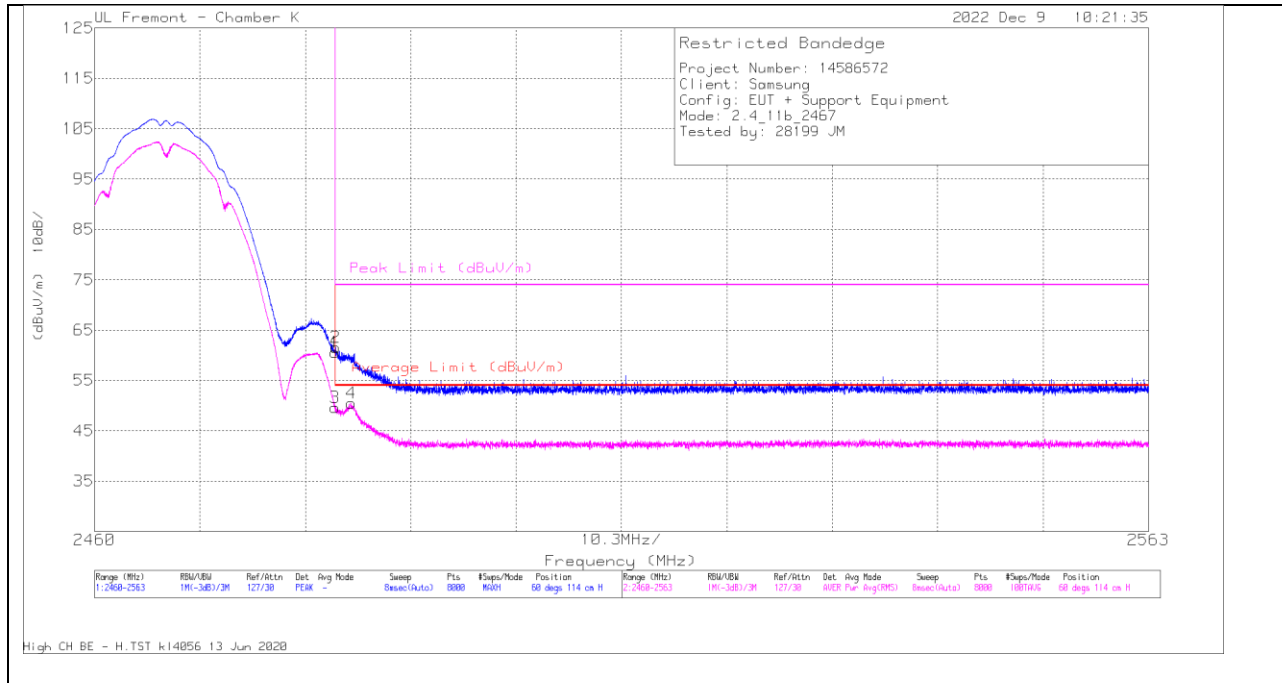


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	58.22	Pk	32.2	-34.5	55.92	-	-	74	-18.08	356	165	V
2	* 2483.501	58.29	Pk	32.2	-34.5	55.99	-	-	74	-18.01	356	165	V
3	* 2483.5	46.47	RMS	32.2	-34.5	44.17	54	-9.83	-	-	356	165	V
4	* 2483.694	47.07	RMS	32.2	-34.5	44.77	54	-9.23	-	-	356	165	V

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection

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

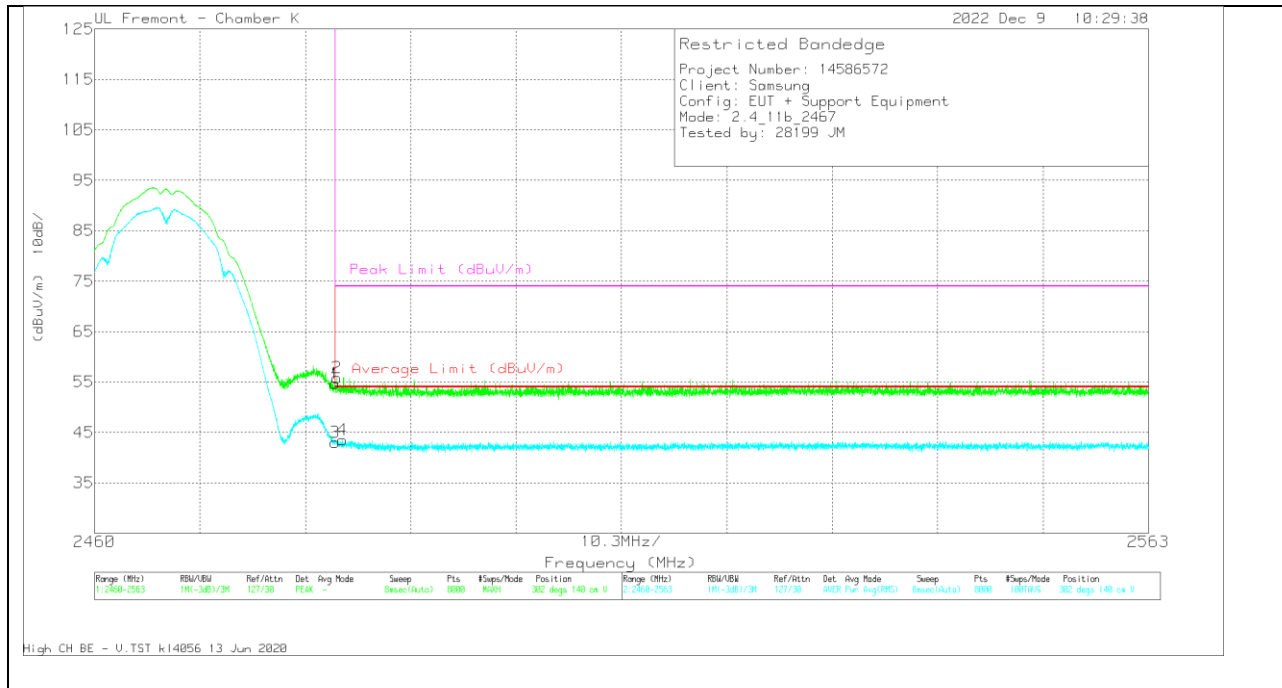
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbi/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	62.85	PK	32.2	-34.5	60.55	-	-	74	-13.45	60	114	H
2	* 2483.565	63.83	PK	32.2	-34.5	61.53	-	-	74	-12.47	60	114	H
3	* 2483.5	51.88	RMS	32.2	-34.5	49.58	54	-4.42	-	-	60	114	H
4	* 2485.097	52.78	RMS	32.2	-34.5	50.48	54	-3.52	-	-	60	114	H

\* - indicates frequency in CFR47 Pt 15  
 PK - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT

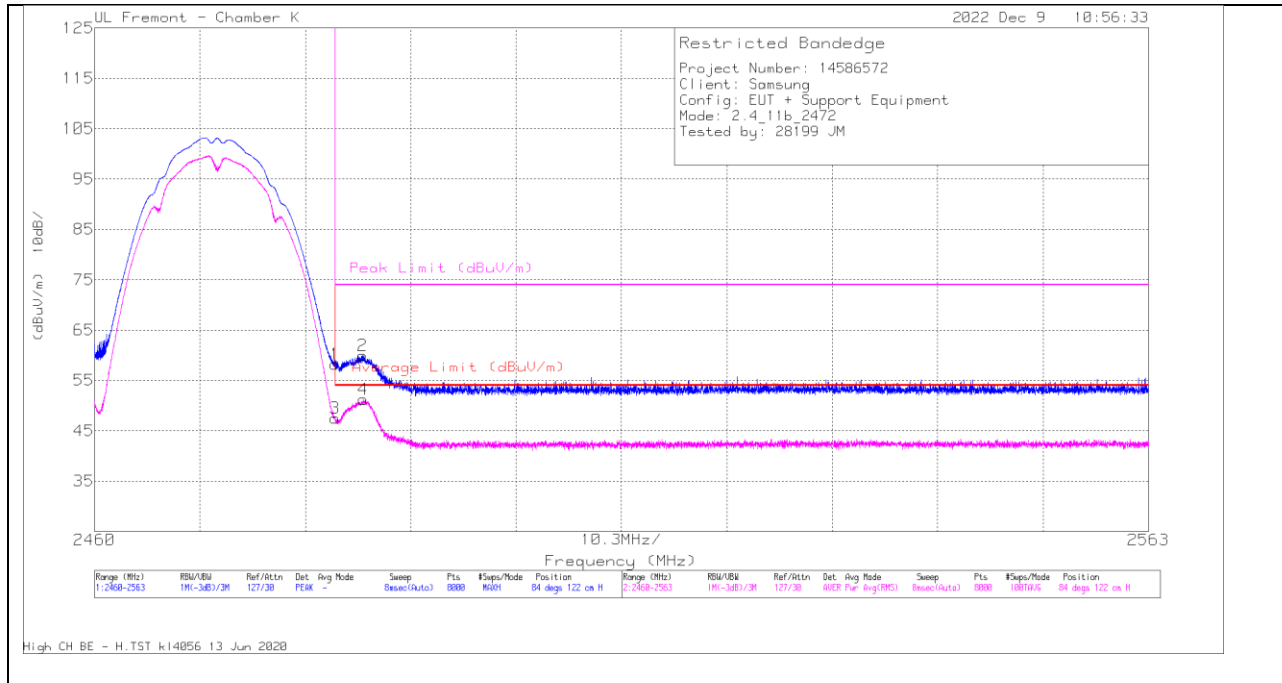


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	57.05	Pk	32.2	-34.5	54.75	-	-	74	-19.25	302	140	V
2	* 2483.694	58.18	Pk	32.2	-34.5	55.88	-	-	74	-18.12	302	140	V
3	* 2483.5	45.38	RMS	32.2	-34.5	43.08	54	-10.92	-	-	302	140	V
4	* 2484.26	45.83	RMS	32.2	-34.5	43.53	54	-10.47	-	-	302	140	V

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection

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

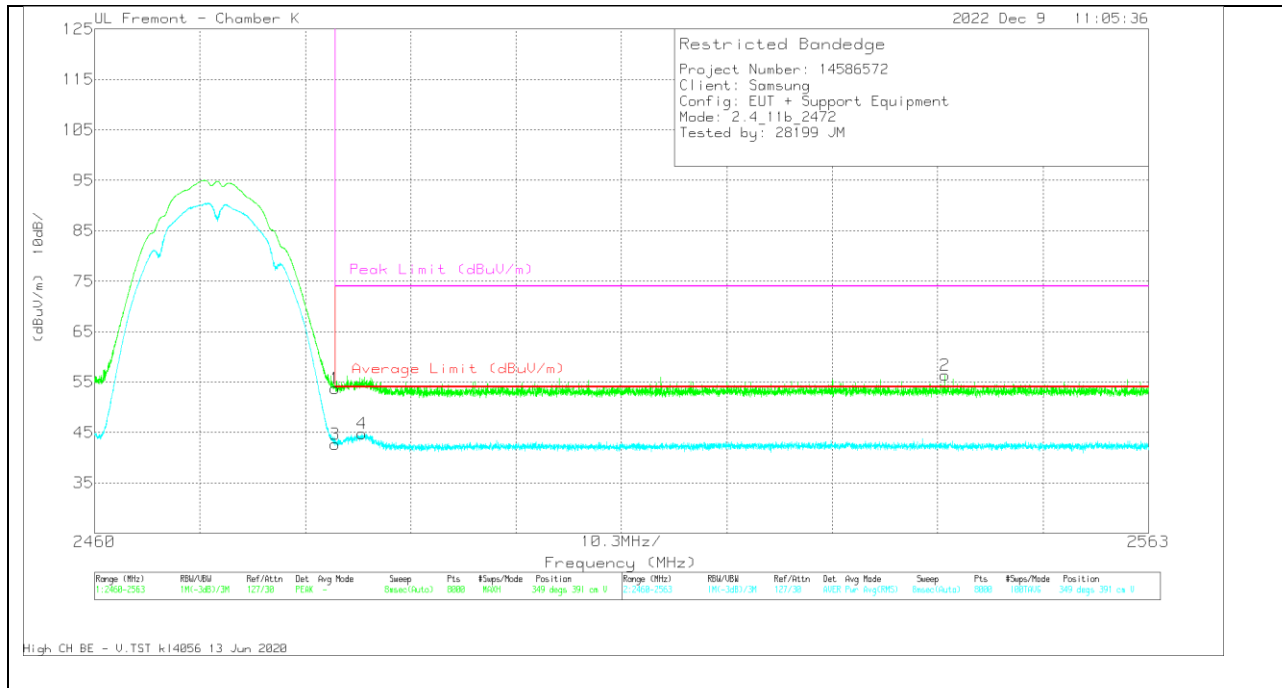
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbi/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	60.57	PK	32.2	-34.5	58.27	-	-	74	-15.73	84	122	H
2	* 2486.179	62.31	PK	32.2	-34.5	60.01	-	-	74	-13.99	84	122	H
3	* 2483.5	49.79	RMS	32.2	-34.5	47.49	54	-6.51	-	-	84	122	H
4	* 2486.243	53.53	RMS	32.2	-34.5	51.23	54	-2.77	-	-	84	122	H

\* - indicates frequency in CFR47 Pt 15  
 PK - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT

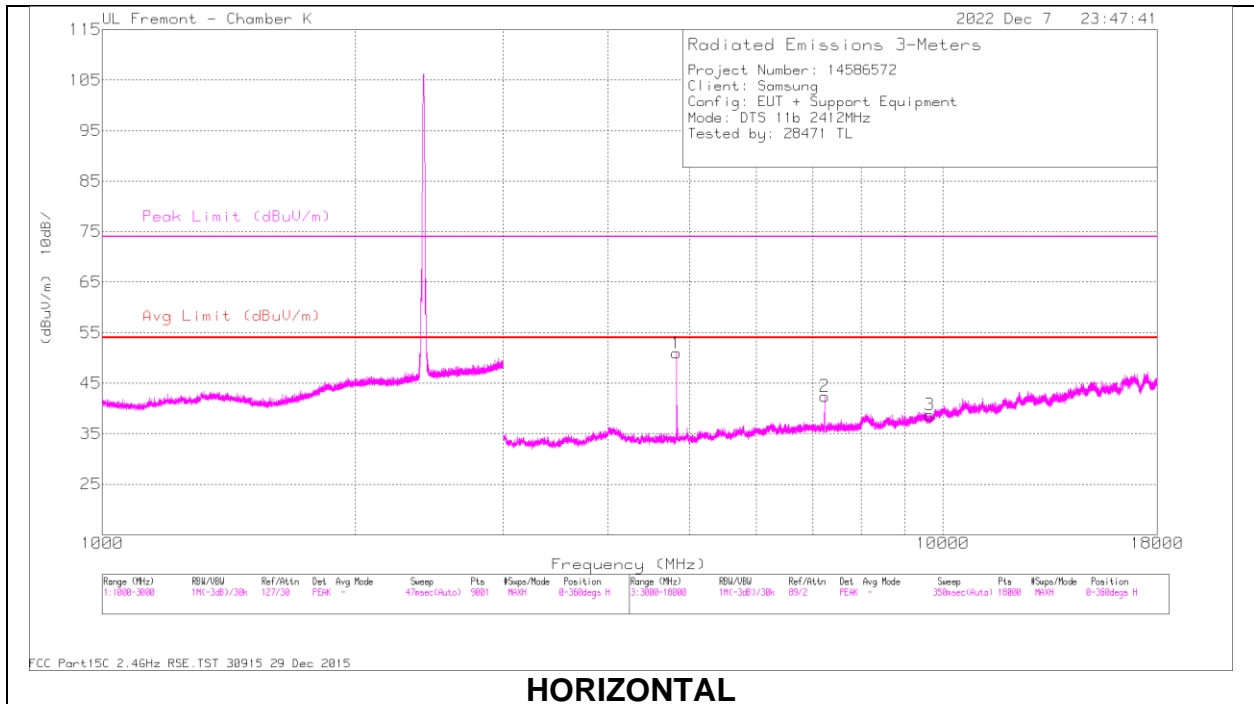


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3MHz	Amp/Cb/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	56.04	PK	32.2	-34.5	53.74	-	-	74	-20.26	349	391	V
2	2543.095	58.4	PK	32.2	-34.2	56.4	-	-	74	-17.6	349	391	V
3	* 2483.5	44.95	RMS	32.2	-34.5	42.65	54	-11.35	-	-	349	391	V
4	* 2486.166	47.08	RMS	32.2	-34.5	44.78	54	-9.22	-	-	349	391	V

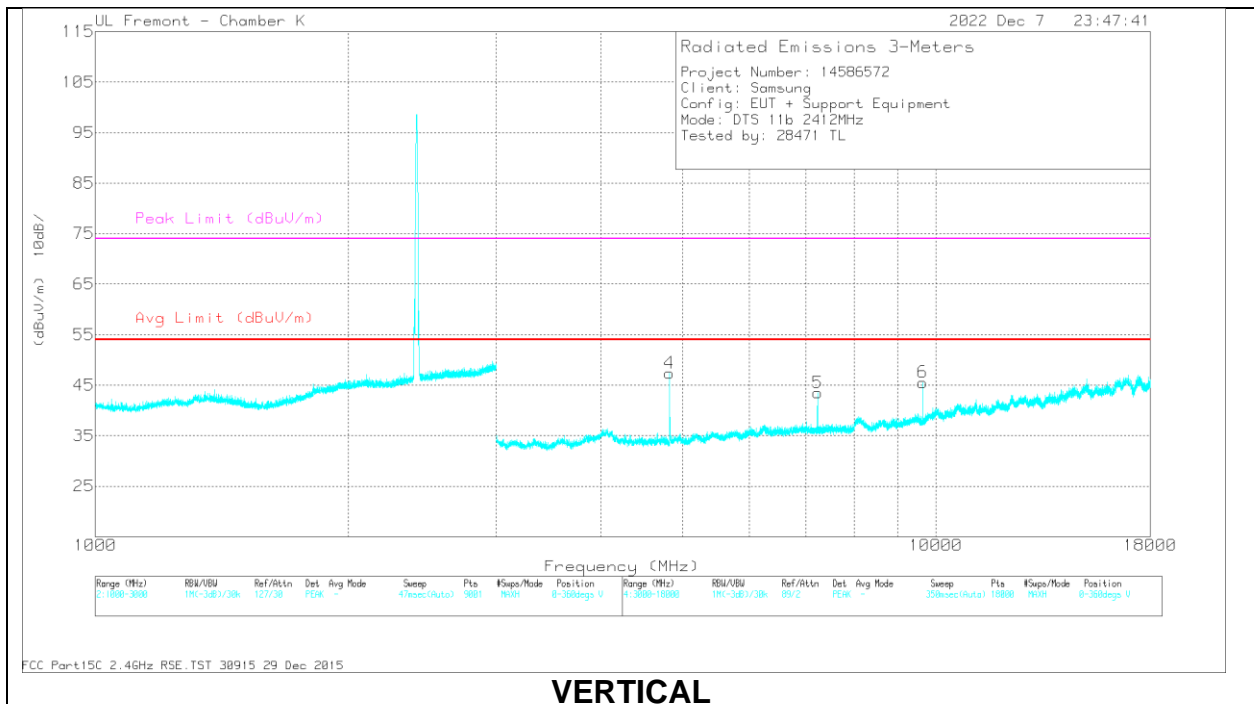
\* - indicates frequency in CFR47 Pt 315  
 Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL, CH 1 RESULTS**



**HORIZONTAL**



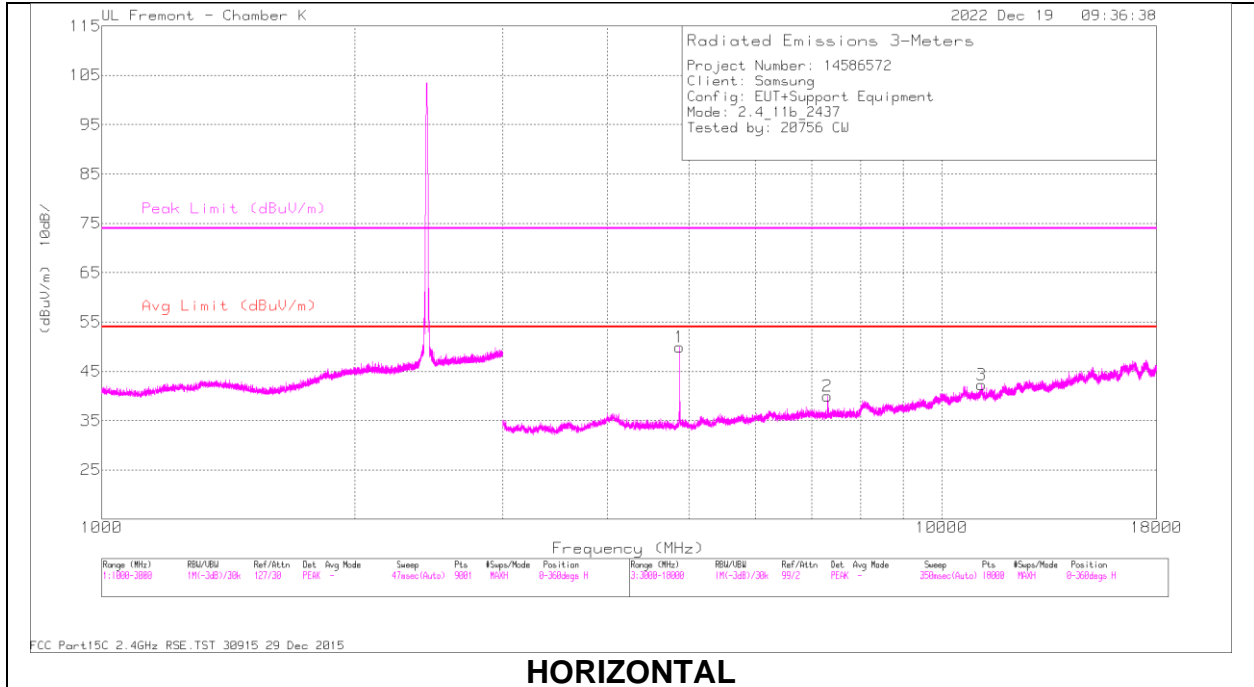
**VERTICAL**

**RADIATED EMISSIONS**

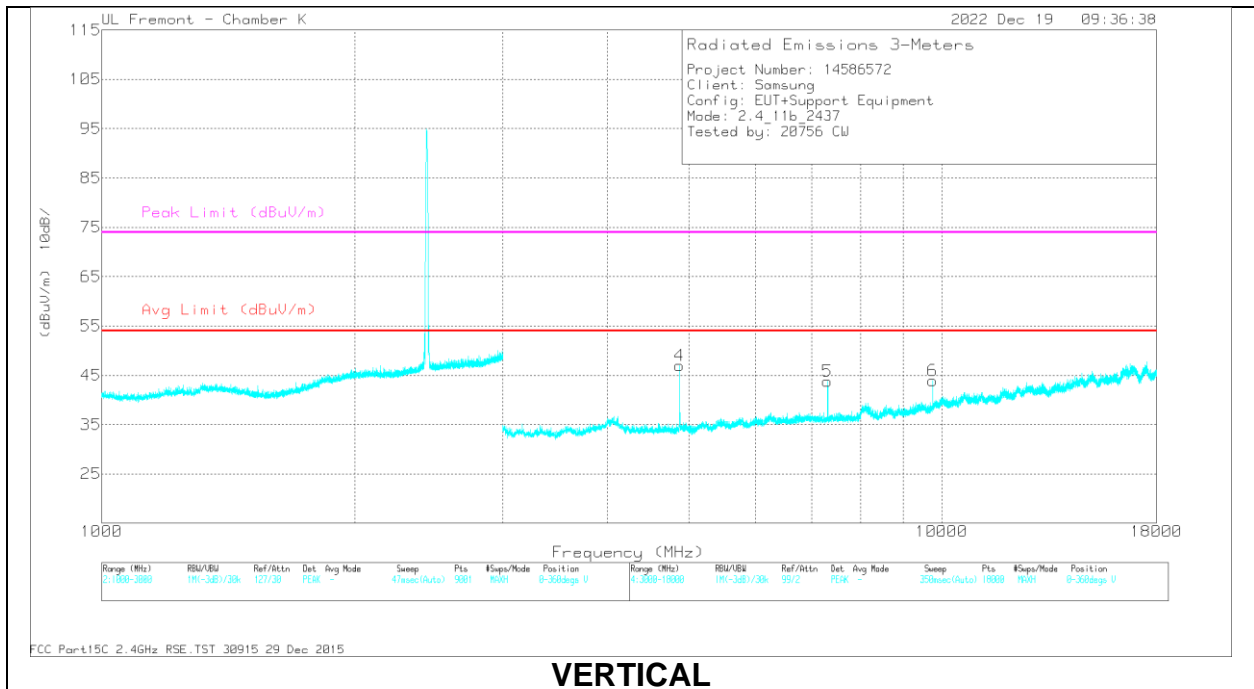
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Filtr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4824.054	60.76	PK2	33.7	-40.5	53.96	-	-	74	-20.04	180	124	H
	* 4824.077	57.68	MAv1	33.7	-40.5	50.88	54	-3.12	-	-	180	124	H
2	7235.794	53.55	PK2	35.7	-38.3	50.95	-	-	-	-	119	123	H
	7237.034	45.99	MAv1	35.7	-38.3	43.39	-	-	-	-	119	123	H
3	9647.818	48	PK2	36.8	-36.4	48.4	-	-	-	-	228	115	H
	9648.107	37.49	MAv1	36.8	-36.4	37.89	-	-	-	-	228	115	H
4	* 4824.108	57.77	PK2	33.7	-40.5	50.97	-	-	74	-23.03	319	104	V
	* 4823.948	54.05	MAv1	33.7	-40.4	47.35	54	-6.65	-	-	319	104	V
5	7234.69	53.14	PK2	35.7	-38.2	50.64	-	-	-	-	306	162	V
	7237.325	39.37	MAv1	35.7	-38.3	36.77	-	-	-	-	306	162	V
6	9648.607	48.77	PK2	36.8	-36.4	49.17	-	-	-	-	315	236	V
	9648.193	38.81	MAv1	36.8	-36.4	39.21	-	-	-	-	315	236	V

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

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

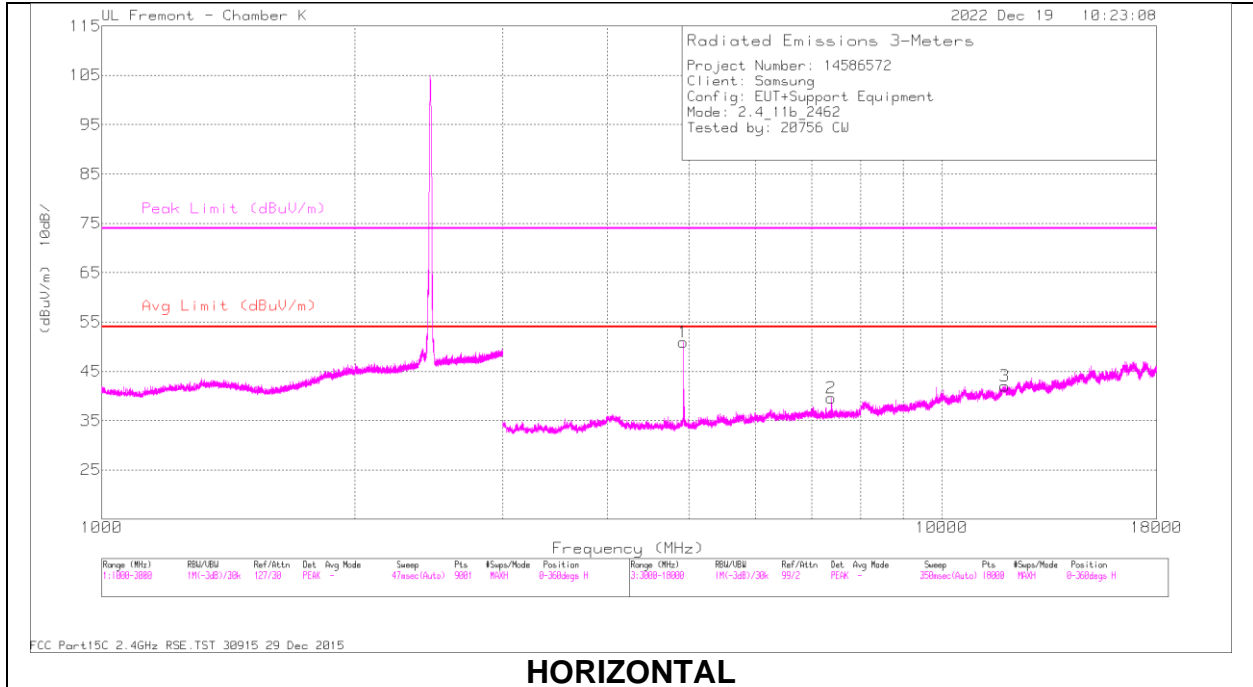


**RADIATED EMISSIONS**

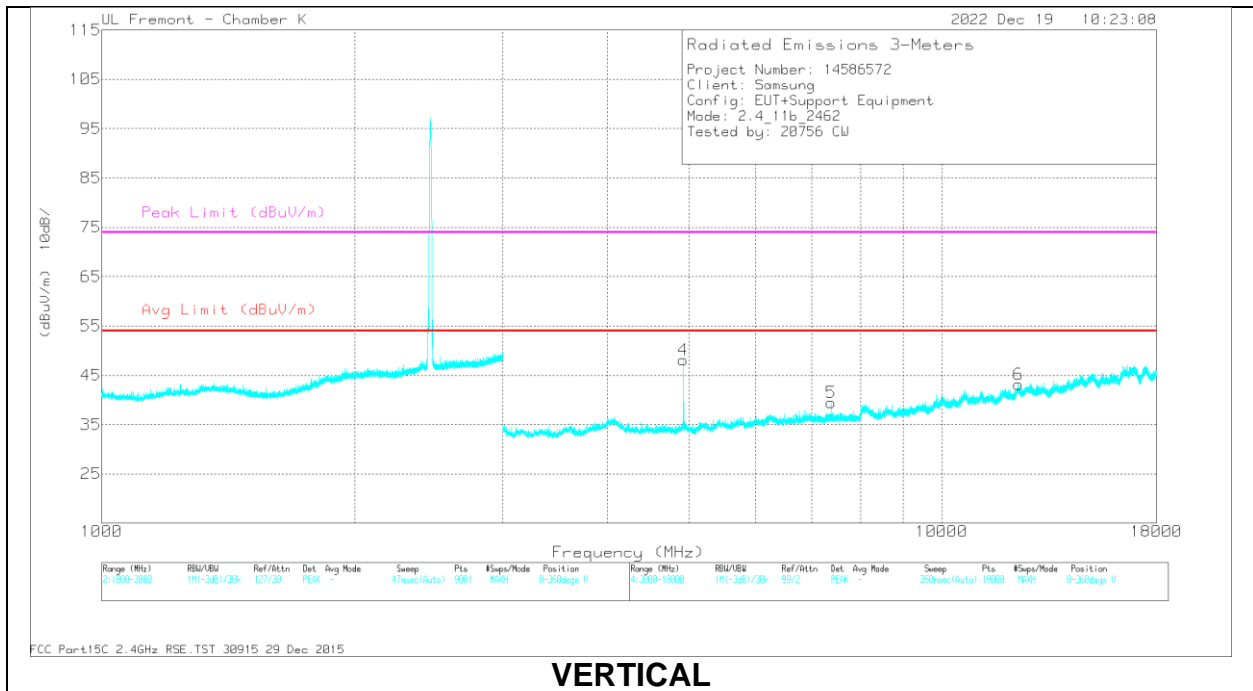
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4873.765	55.36	PK2	33.7	-40.3	0	48.76	-	-	74	-25.24	154	107	H
	* 4874.008	48.58	MAv1	33.7	-40.3	0	41.98	54	-12.02	-	-	154	107	H
2	* 7312.254	51.84	PK2	35.7	-38	0	49.54	-	-	74	-24.46	29	166	H
	* 7311.943	40.73	MAv1	35.7	-38	0	38.43	54	-15.57	-	-	29	166	H
3	* 11155.705	49.06	PK2	38	-35.5	0	51.56	-	-	74	-22.44	251	132	H
	* 11157.473	37.3	MAv1	38	-35.5	0	39.8	54	-14.2	-	-	251	132	H
4	* 4874.055	54.53	PK2	33.7	-40.3	0	47.93	-	-	74	-26.07	144	225	V
	* 4873.966	44.44	MAv1	33.7	-40.3	0	37.84	54	-16.16	-	-	144	225	V
5	* 7310.522	50.99	PK2	35.7	-38	0	48.69	-	-	74	-25.31	330	203	V
	* 7312.493	37.5	MAv1	35.7	-38	0	35.2	54	-18.8	-	-	330	203	V
6	9748.915	49.02	PK2	36.9	-36.4	0	49.52	-	-	-	-	100	119	V
	9748.033	37.6	MAv1	36.9	-36.4	0	38.1	-	-	-	-	100	119	V

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

### HIGH CHANNEL, CH 11 RESULTS



**HORIZONTAL**



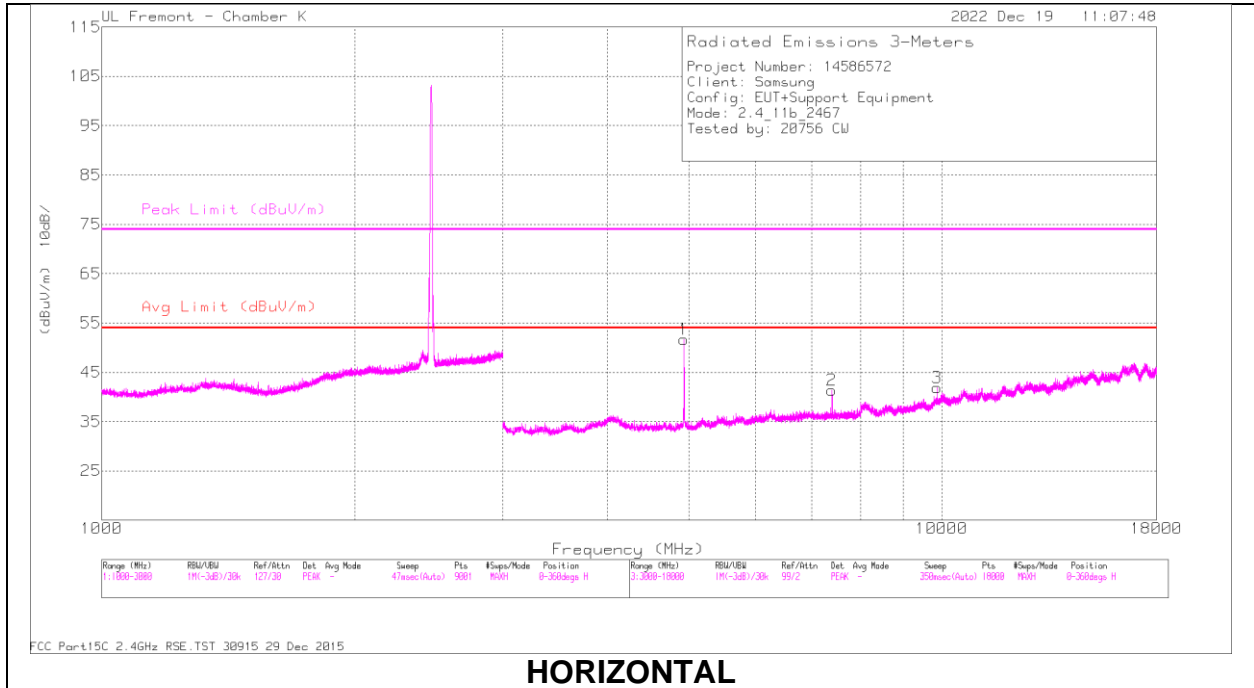
**VERTICAL**

**RADIATED EMISSIONS**

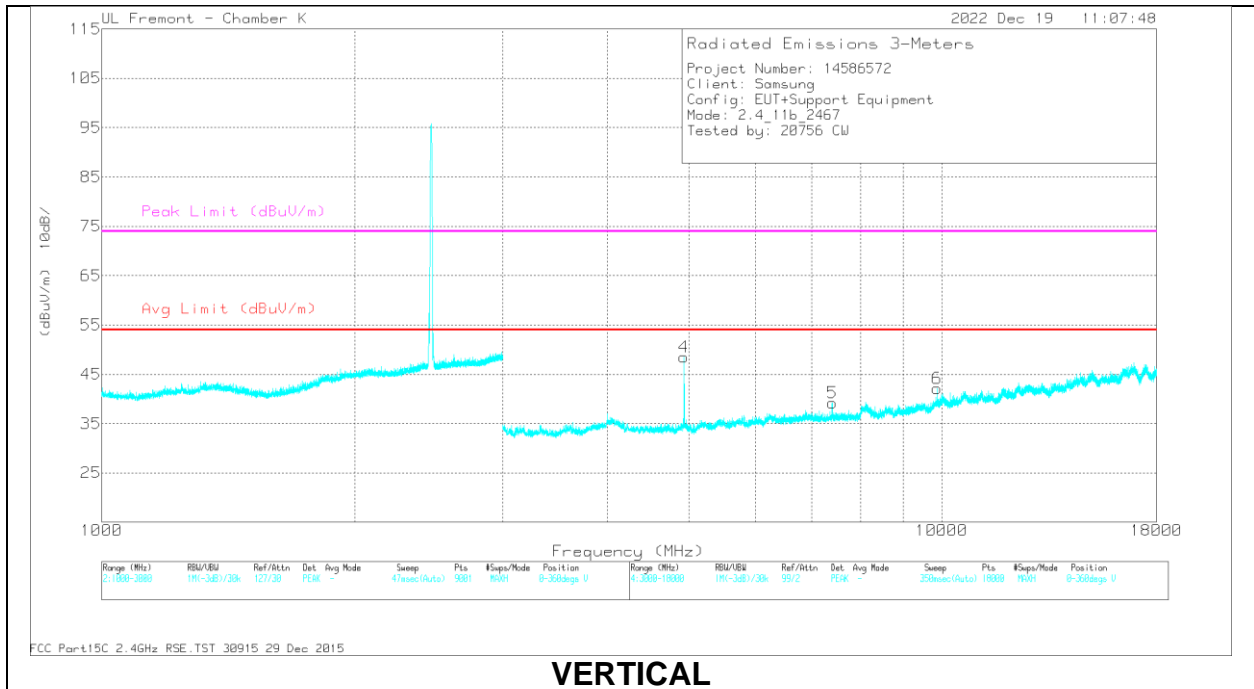
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4924.504	55.76	PK2	33.7	-40.6	48.86	-	-	74	-25.14	194	239	H
	* 4924.012	48.96	MAv1	33.7	-40.6	42.06	54	-11.94	-	-	194	239	H
2	* 7386.111	50.97	PK2	35.7	-37.7	48.97	-	-	74	-25.03	20	135	H
	* 7384.977	41.23	MAv1	35.7	-37.8	39.13	54	-14.67	-	-	20	135	H
3	* 11883.748	48.23	PK2	38.4	-34.5	52.13	-	-	74	-21.87	333	251	H
	* 11883.861	36.3	MAv1	38.4	-34.5	40.2	54	-13.8	-	-	333	251	H
4	* 4923.987	55.1	PK2	33.7	-40.6	48.2	-	-	74	-25.8	138	123	V
	* 4923.939	45.04	MAv1	33.7	-40.6	38.14	54	-15.86	-	-	138	123	V
5	* 7384.12	50.13	PK2	35.7	-37.7	48.13	-	-	74	-25.87	230	150	V
	* 7385.179	39.37	MAv1	35.7	-37.8	37.27	54	-16.73	-	-	230	150	V
6	* 12332.039	46.75	PK2	39	-33.7	52.05	-	-	74	-21.95	207	289	V
	* 12333.668	35.42	MAv1	39	-33.7	40.72	54	-13.28	-	-	207	289	V

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

### HIGH CHANNEL CH 12 RESULTS



**HORIZONTAL**



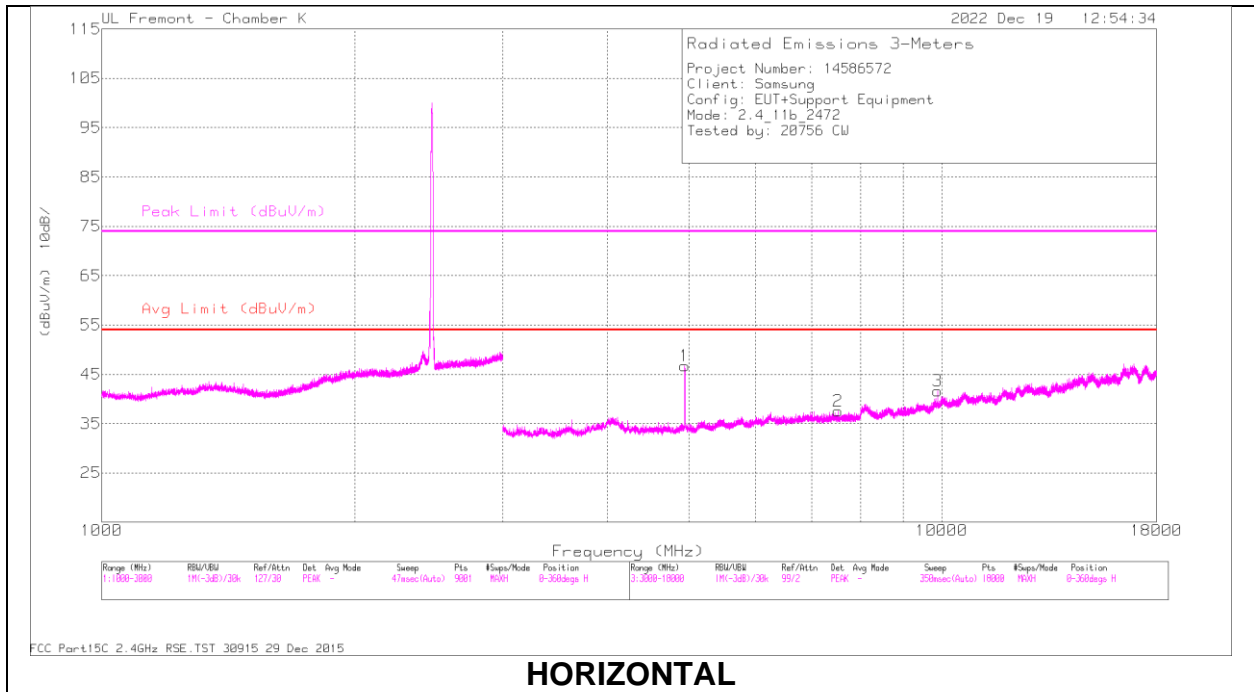
**VERTICAL**

**RADIATED EMISSIONS**

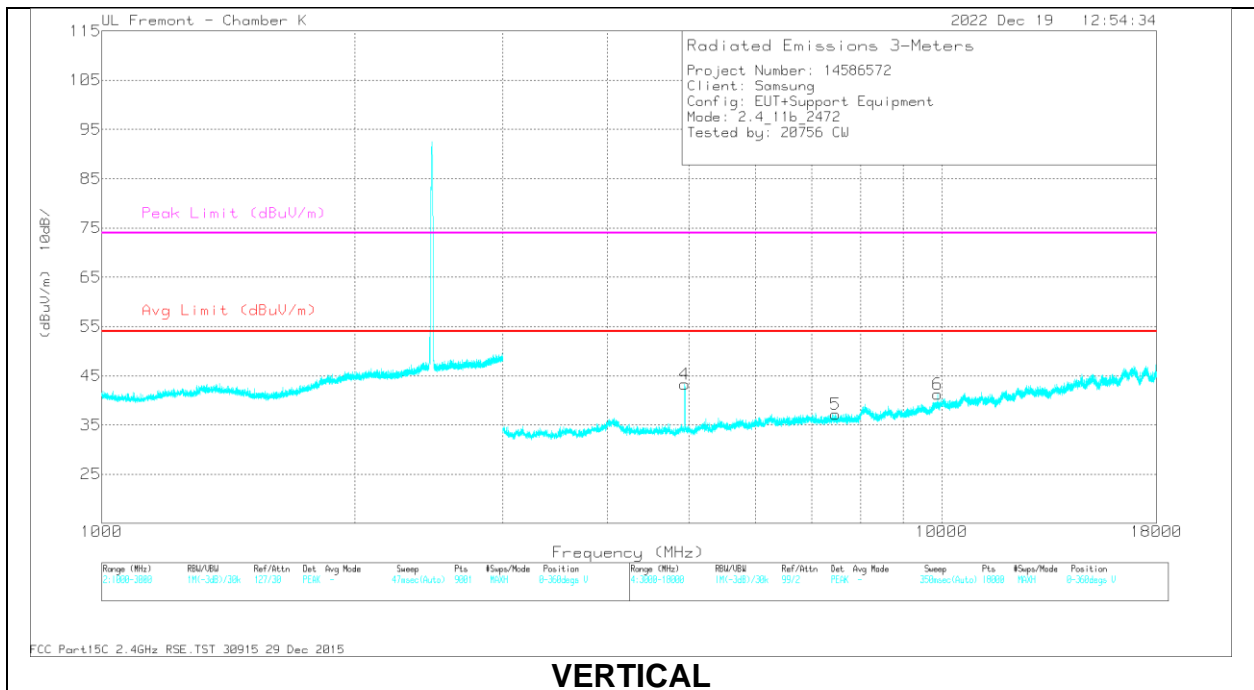
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4933.991	60.1	PK2	33.7	-40.4	53.4	-	-	74	-20.6	106	390	H
	* 4933.95	55.46	MAv1	33.7	-40.4	48.76	54	-5.24	-	-	106	390	H
2	* 7400.366	49.44	PK2	35.7	-37.7	47.44	-	-	74	-26.56	288	169	H
	* 7399.754	39.48	MAv1	35.7	-37.7	37.48	54	-16.52	-	-	288	169	H
3	9868.319	48.52	PK2	37.1	-36	49.62	-	-	-	-	211	191	H
	9868.807	37.07	MAv1	37.1	-36	38.17	-	-	-	-	211	191	H
4	* 4933.967	56.74	PK2	33.7	-40.4	50.04	-	-	74	-23.96	217	142	V
	* 4933.98	51.15	MAv1	33.7	-40.4	44.45	54	-9.55	-	-	217	142	V
5	* 7400.992	52.49	PK2	35.7	-37.7	50.49	-	-	74	-23.51	224	103	V
	* 7402.004	41.3	MAv1	35.7	-37.7	39.3	54	-14.7	-	-	224	103	V
6	9867.947	49.65	PK2	37.1	-36	50.75	-	-	-	-	56	107	V
	9867.929	39.46	MAv1	37.1	-36	40.56	-	-	-	-	56	107	V

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

### HIGH CHANNEL, CH 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4944.016	57.31	PK2	33.7	-40.5	50.51	-	-	74	-23.49	80	355	H
	* 4943.956	51.81	MAv1	33.7	-40.5	45.01	54	-8.99	-	-	80	355	H
2	* 7527.33	48.94	PK2	35.7	-37.7	46.94	-	-	74	-27.06	285	363	H
	* 7526.544	37.19	MAv1	35.7	-37.7	35.19	54	-18.81	-	-	285	363	H
3	9888.873	48.98	PK2	37.1	-35.9	50.18	-	-	-	-	236	310	H
	9888.357	37	MAv1	37.1	-35.9	38.2	-	-	-	-	236	310	H
4	* 4943.54	51.68	PK2	33.7	-40.4	44.98	-	-	74	-29.02	84	135	V
	* 4944.107	40.49	MAv1	33.7	-40.5	33.69	54	-20.31	-	-	84	135	V
5	* 7466.558	49.24	PK2	35.7	-37.6	47.34	-	-	74	-26.66	262	343	V
	* 7467.175	37.29	MAv1	35.7	-37.7	35.29	54	-18.71	-	-	262	343	V
6	9888.693	48.84	PK2	37.1	-35.9	50.04	-	-	-	-	36	223	V
	9887.843	37.65	MAv1	37.1	-35.9	38.85	-	-	-	-	36	223	V

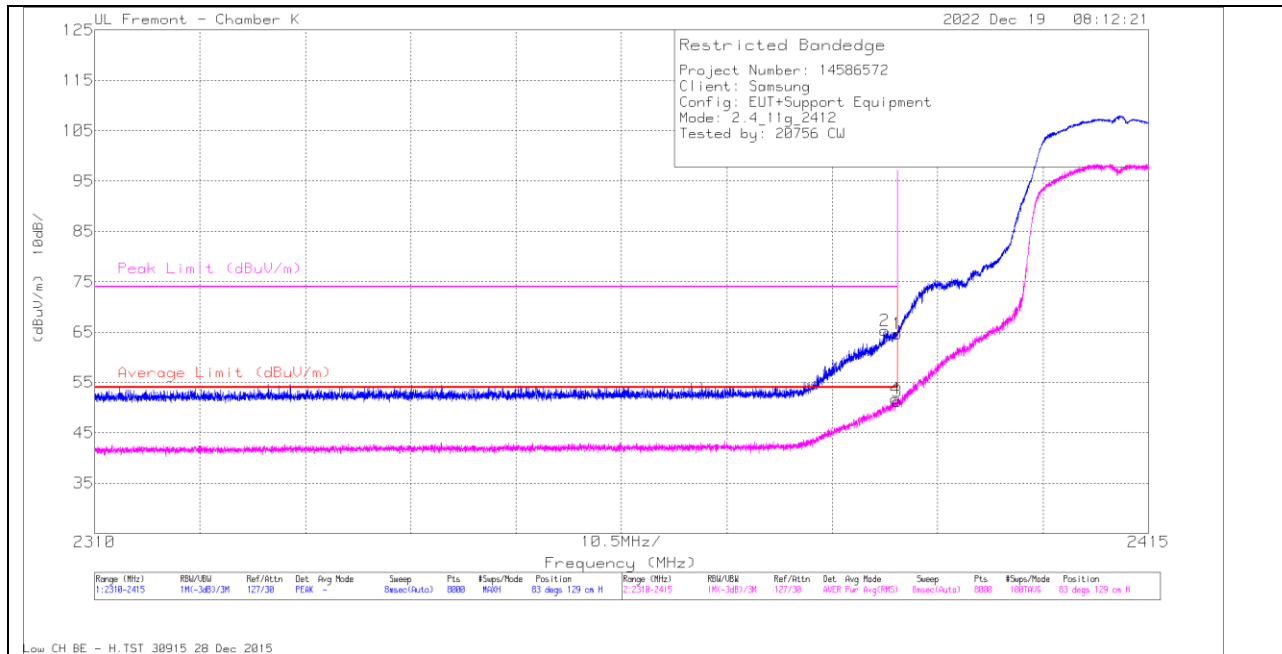
\* - indicates frequency in CFR47 Pt 15  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

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

#### 1TX Antenna 1 MODE

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

#### HORIZONTAL RESULT

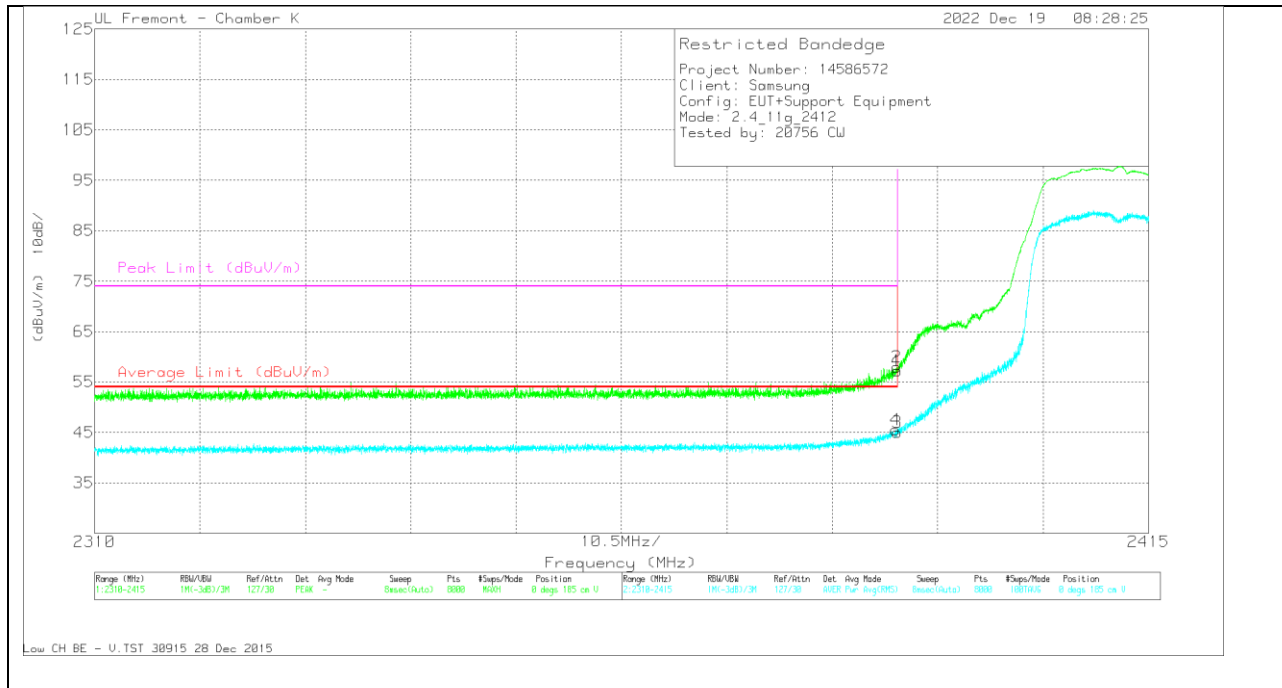


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3MHz	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	67.74	Pk	31.8	-34.9	0	64.64	-	-	74	-9.36	83	129	H
2	* 2388.749	68.35	Pk	31.8	-34.8	0	65.35	-	-	74	-8.65	83	129	H
3	* 2390	53.98	RMS	31.8	-34.9	-34	51.22	54	-2.78	-	-	83	129	H
4	* 2388.786	54.53	RMS	31.8	-34.9	-34	51.77	54	-2.23	-	-	83	129	H

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection



### VERTICAL RESULT

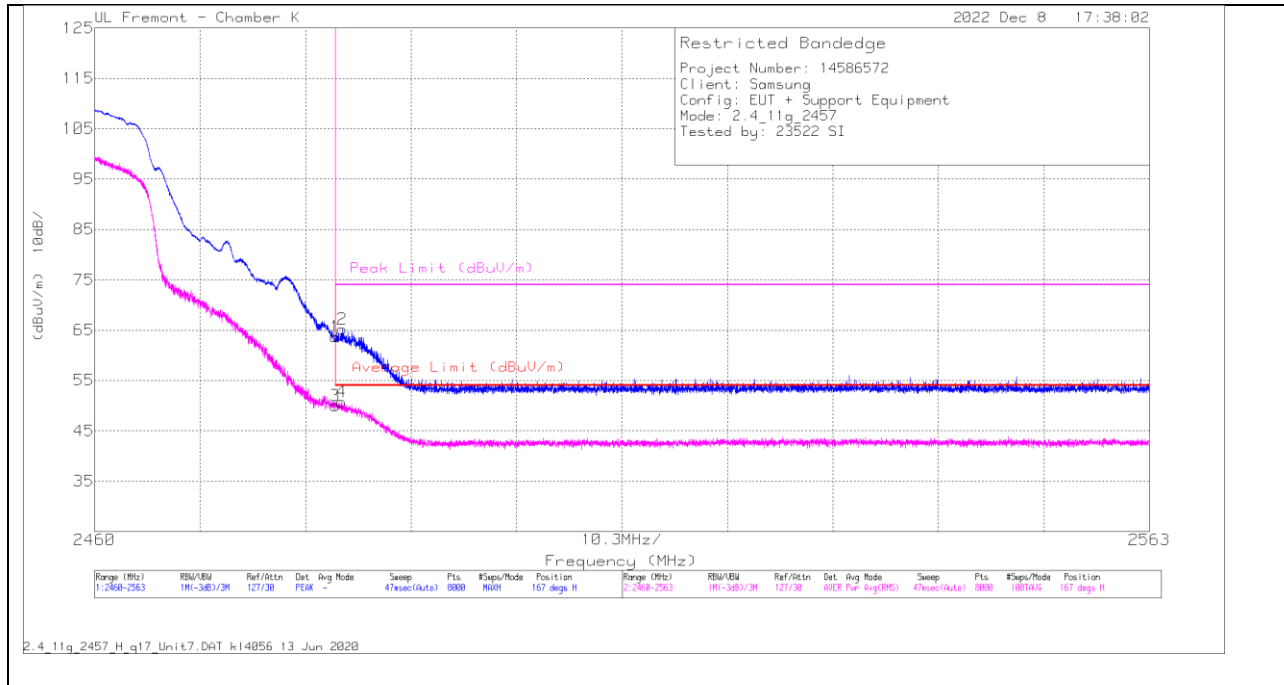


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	60.34	Pk	31.8	-34.9	0	57.24	-	-	74	-16.76	0	185	V
2	* 2389.917	61.1	Pk	31.8	-34.9	0	58	-	-	74	-16	0	185	V
3	* 2390	47.74	RMS	31.8	-34.9	.34	44.98	54	-9.02	-	-	0	185	V
4	* 2389.786	48.29	RMS	31.8	-34.9	.34	45.53	54	-8.47	-	-	0	185	V

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection

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

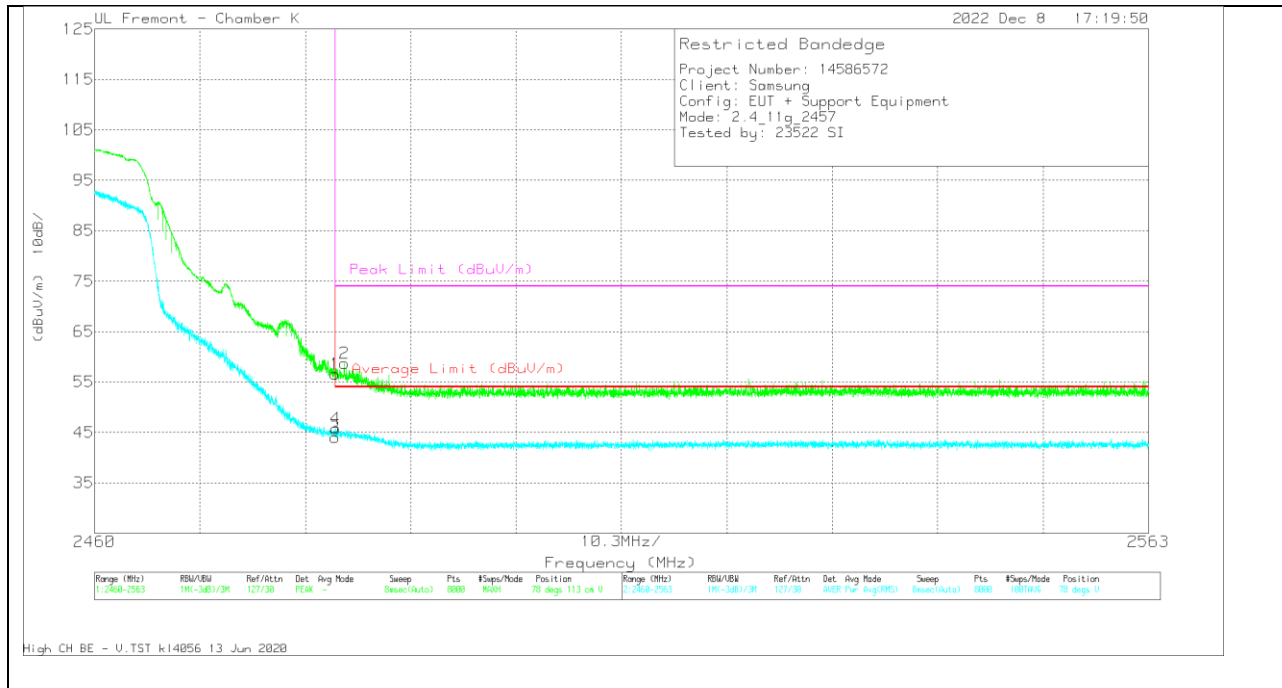
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	22083 ACF (dB) 3mH	AmpChn/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	65.94	Pk	32.2	-34.5	0	63.84	-	-	74	-10.36	167	117	H
2	*2484.157	67.52	Pk	32.2	-34.5	0	65.22	-	-	74	-8.78	167	117	H
3	*2483.5	51.95	RMS	32.2	-34.5	.34	49.99	54	-4.01	-	-	167	117	H
4	*2484.144	52.66	RMS	32.2	-34.5	.34	50.7	54	-3.3	-	-	167	117	H

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT

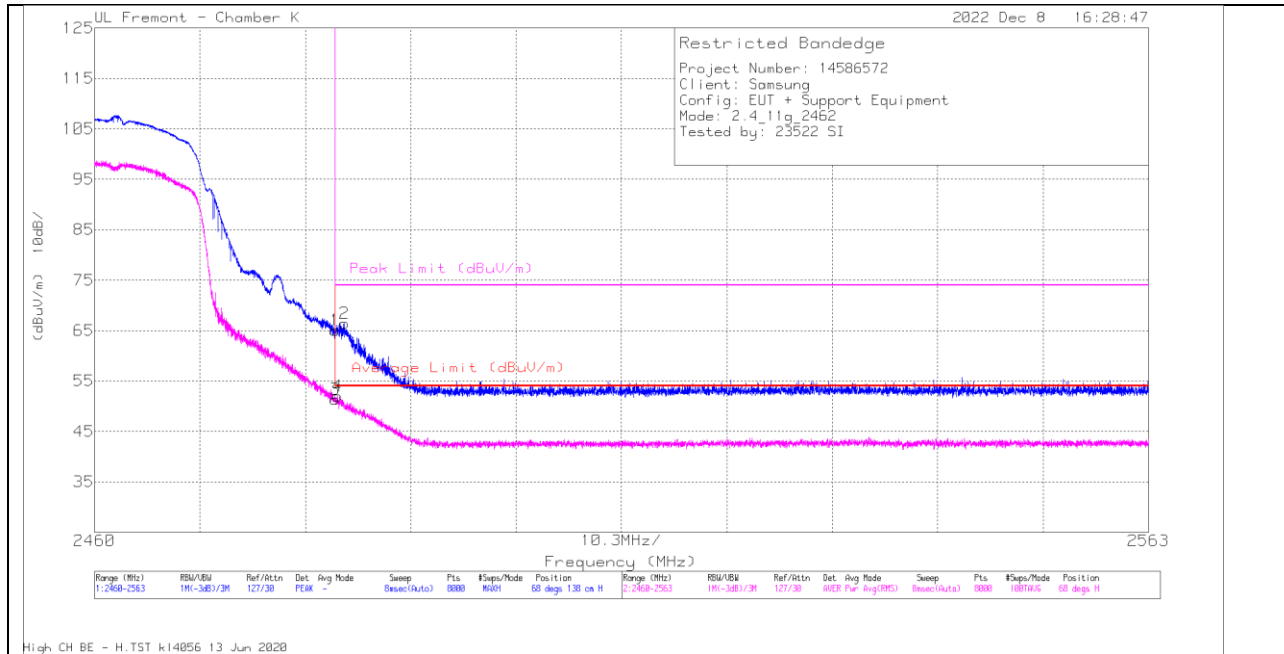


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	58.92	Pk	32.2	-34.5	0	56.62	-	-	74	-17.38	78	113	V
2	*2484.402	60.97	Pk	32.2	-34.5	0	58.67	-	-	74	-15.33	78	113	V
3	*2483.5	46.05	RMS	32.2	-34.5	.34	44.09	54	-9.91	-	-	78	113	V
4	*2483.591	47.73	RMS	32.2	-34.5	.34	45.77	54	-8.23	-	-	78	113	V

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection

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

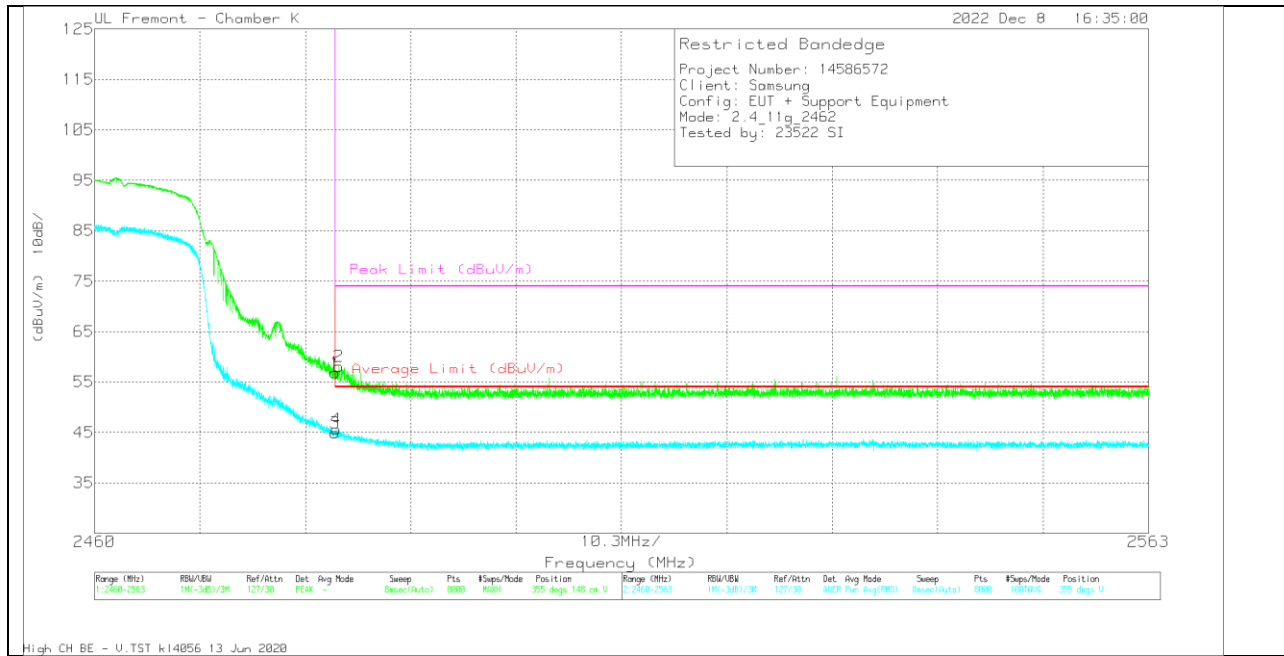
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	22083 ACF (dB) 3MHz	AmpChl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	67.41	Pk	32.2	-34.5	0	65.11	-	-	74	-8.89	68	138	H
2	*2484.428	68.79	Pk	32.2	-34.5	0	66.49	-	-	74	-7.51	68	138	H
3	*2483.5	53.34	RMS	32.2	-34.5	-34	51.38	54	-2.62	-	-	68	138	H
4	*2483.758	53.9	RMS	32.2	-34.5	-34	51.94	54	-2.06	-	-	68	138	H

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT

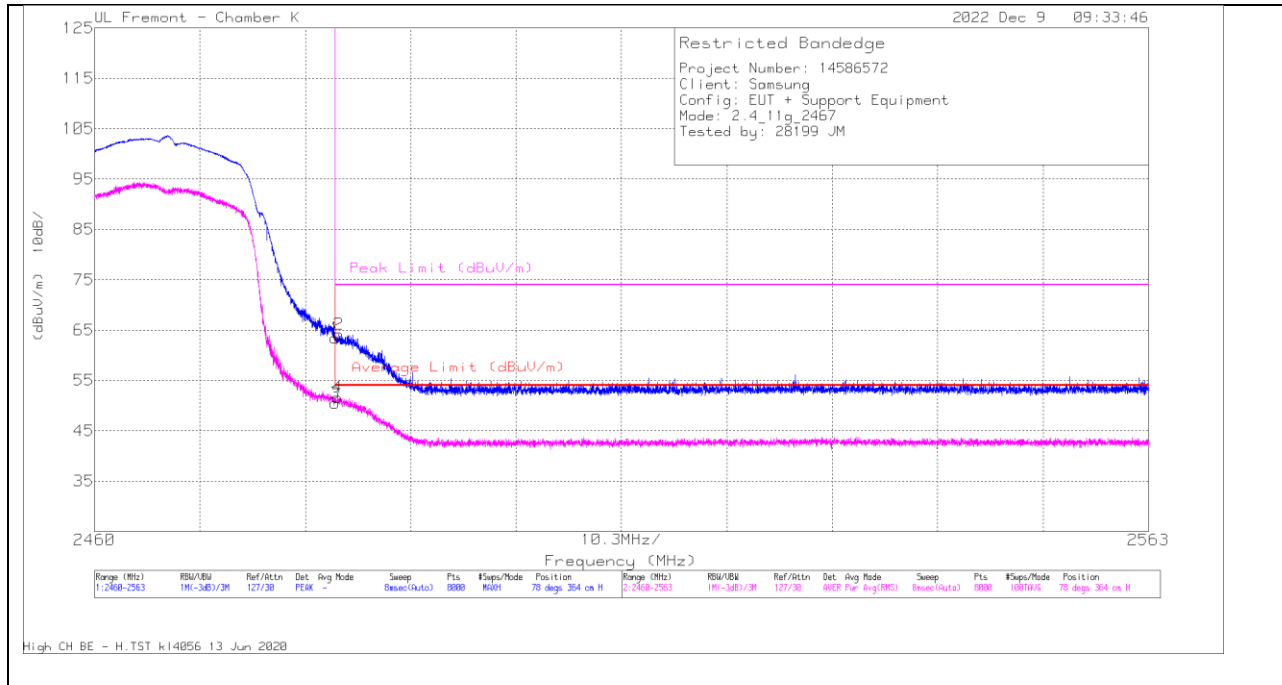


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mIt	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	59.16	Pk	32.2	-34.5	0	56.86	-	-	74	-17.14	355	148	V
2	* 2483.874	60.43	Pk	32.2	-34.5	0	58.13	-	-	74	-15.87	355	148	V
3	* 2483.5	46.84	RMS	32.2	-34.5	.34	44.88	54	-8.12	-	-	355	148	V
4	* 2483.616	47.62	RMS	32.2	-34.5	.34	45.66	54	-8.34	-	-	355	148	V

\* - indicates frequency in CFR47 Pt 15  
 PK - Peak detector  
 RMS - RMS detection

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

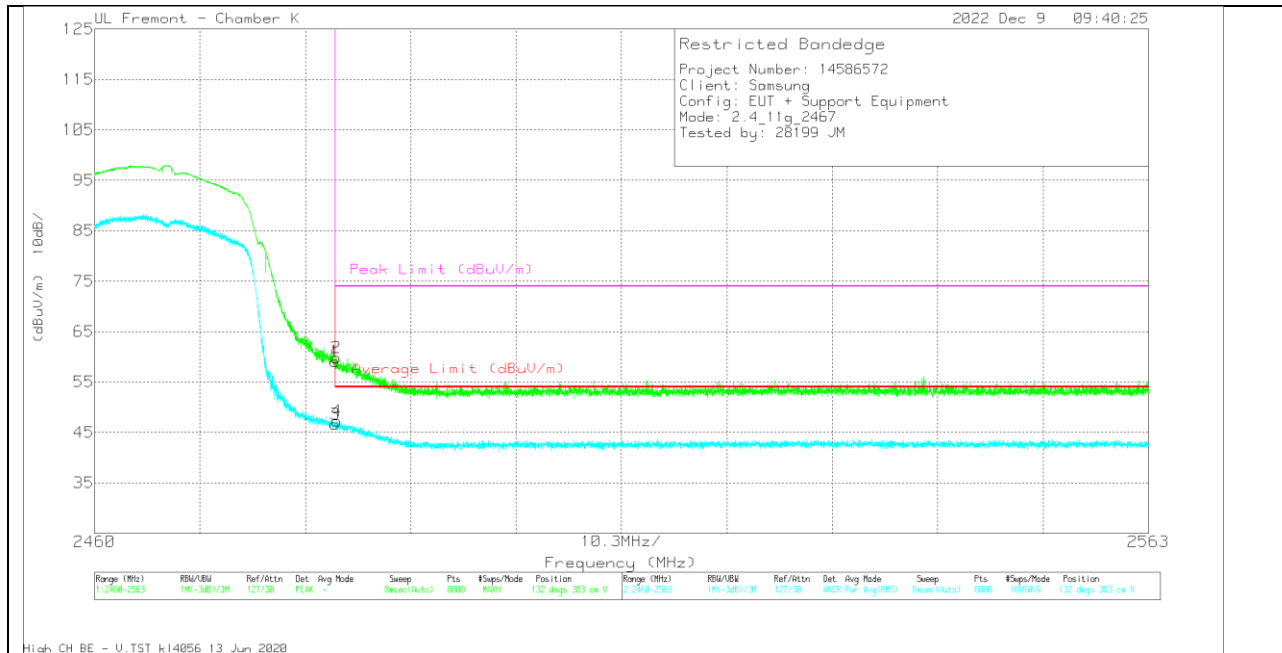
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/ChIPad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2483.5	65.71	Pk	32.2	-34.5	0	63.41	-	-	74	-10.59	78	364	H
2	* 2483.9	66.47	Pk	32.2	-34.5	0	64.17	-	-	74	-9.83	78	364	H
3	* 2483.5	52.44	RMS	32.2	-34.5	.34	50.48	54	-3.52	-	-	78	364	H
4	* 2483.758	53.6	RMS	32.2	-34.5	.34	51.64	54	-2.36	-	-	78	364	H

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT

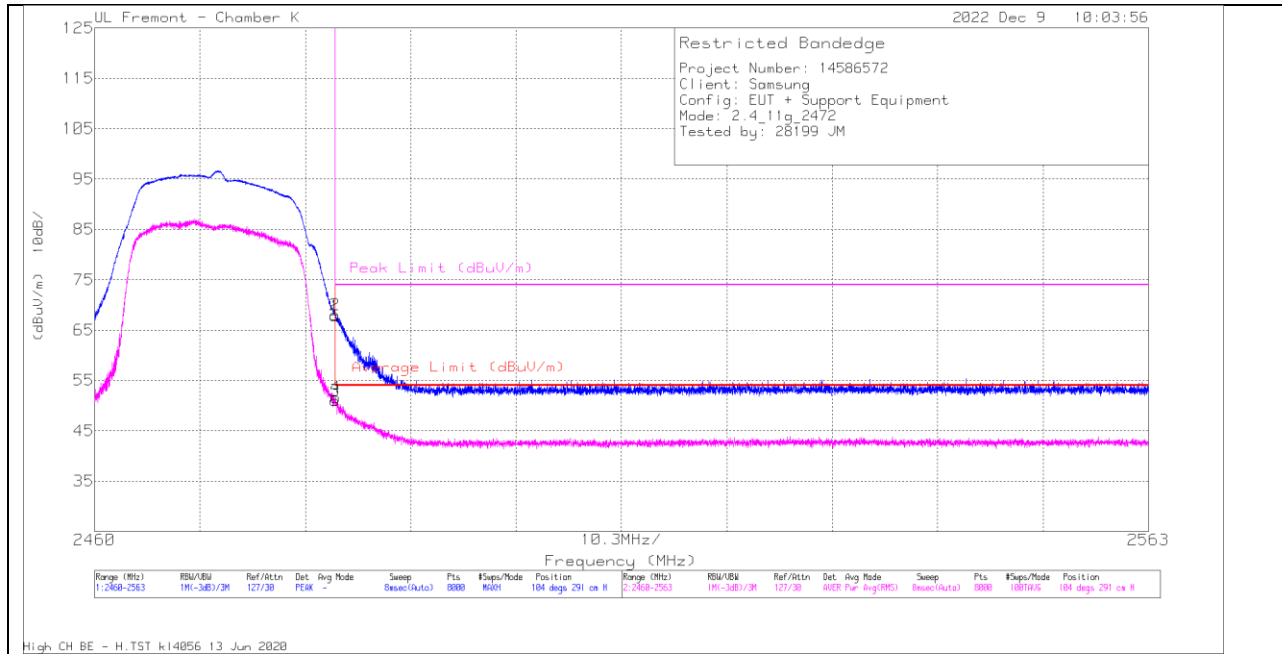


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	61.45	Pk	32.2	-34.5	0	59.15	-	-	74	-14.85	132	383	V
2	*2483.642	62.16	Pk	32.2	-34.5	0	59.86	-	-	74	-14.14	132	383	V
3	*2483.5	48.67	RMS	32.2	-34.5	.34	46.71	54	-7.29	-	-	132	383	V
4	*2483.694	49.2	RMS	32.2	-34.5	.34	47.24	54	-6.76	-	-	132	383	V

\* - indicates frequency in CFR47 Pt 15  
 PK - Peak detector  
 RMS - RMS detection

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

**HORIZONTAL RESULT**

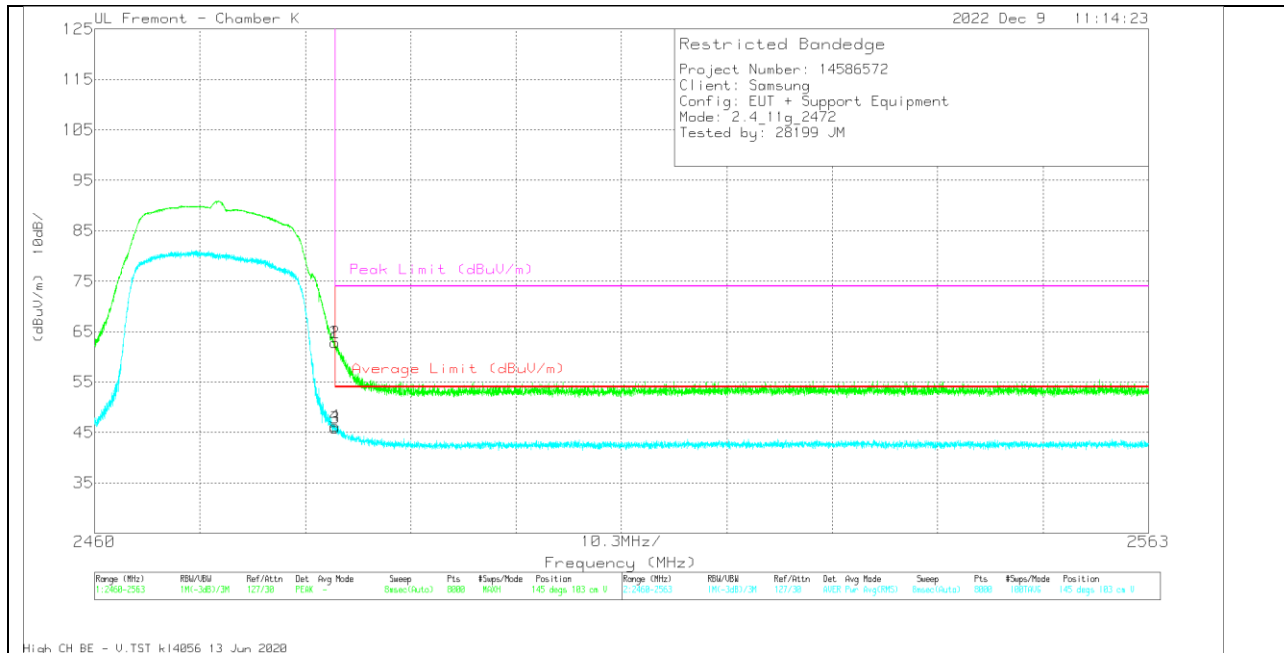


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	AmpChW/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarizy
1	*2483.5	70.09	Pk	32.2	-34.5	0	67.79	-	-	74	-6.21	104	291	H
2	*2483.513	70.4	Pk	32.2	-34.5	0	68.1	-	-	74	-5.9	104	291	H
3	*2483.5	52.93	RMS	32.2	-34.5	-34	50.97	54	-3.03	-	-	104	291	H
4	*2483.565	53.61	RMS	32.2	-34.5	-34	51.65	54	-2.35	-	-	104	291	H

\* - indicates frequency in CFR47 Pt 15  
 Pk - Peak detector  
 RMS - RMS detection



### VERTICAL RESULT

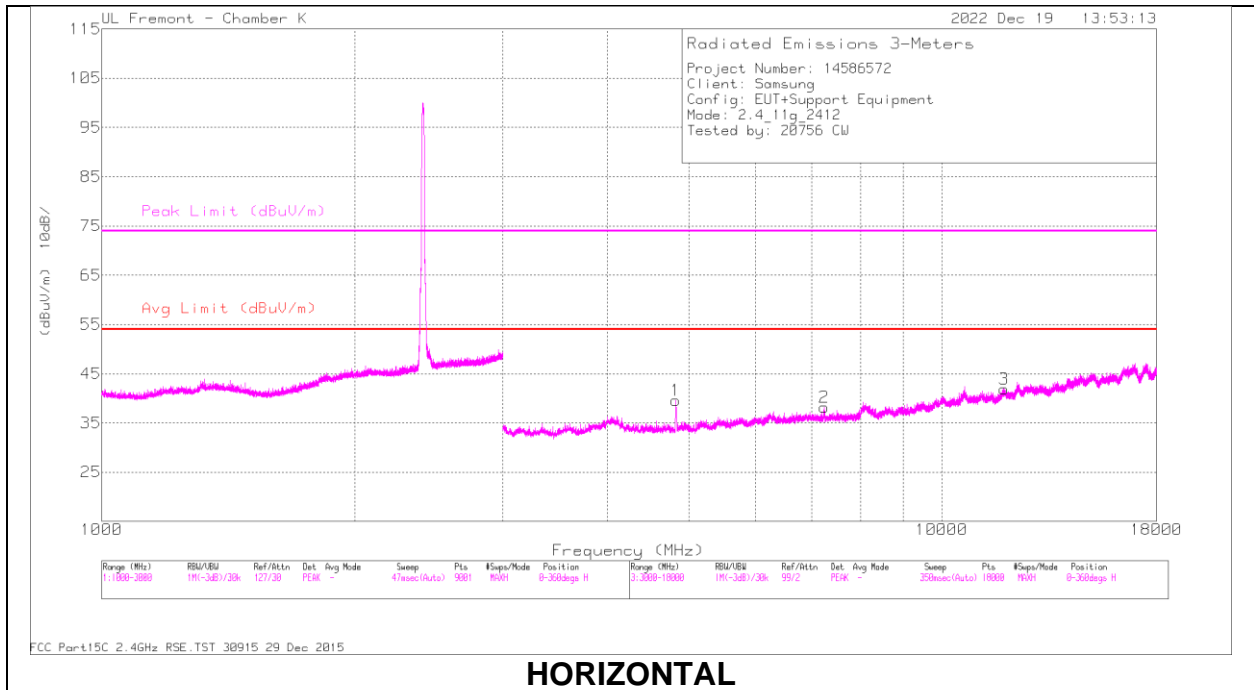


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Ch/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	65.09	Pk	32.2	-34.5	0	62.79	-	-	74	-11.21	145	103	V
2	*2483.501	65.11	Pk	32.2	-34.5	0	62.81	-	-	74	-11.19	145	103	V
3	*2483.5	47.88	RMS	32.2	-34.5	.34	45.92	54	-8.08	-	-	145	103	V
4	*2483.513	48.26	RMS	32.2	-34.5	.34	46.3	54	-7.7	-	-	145	103	V

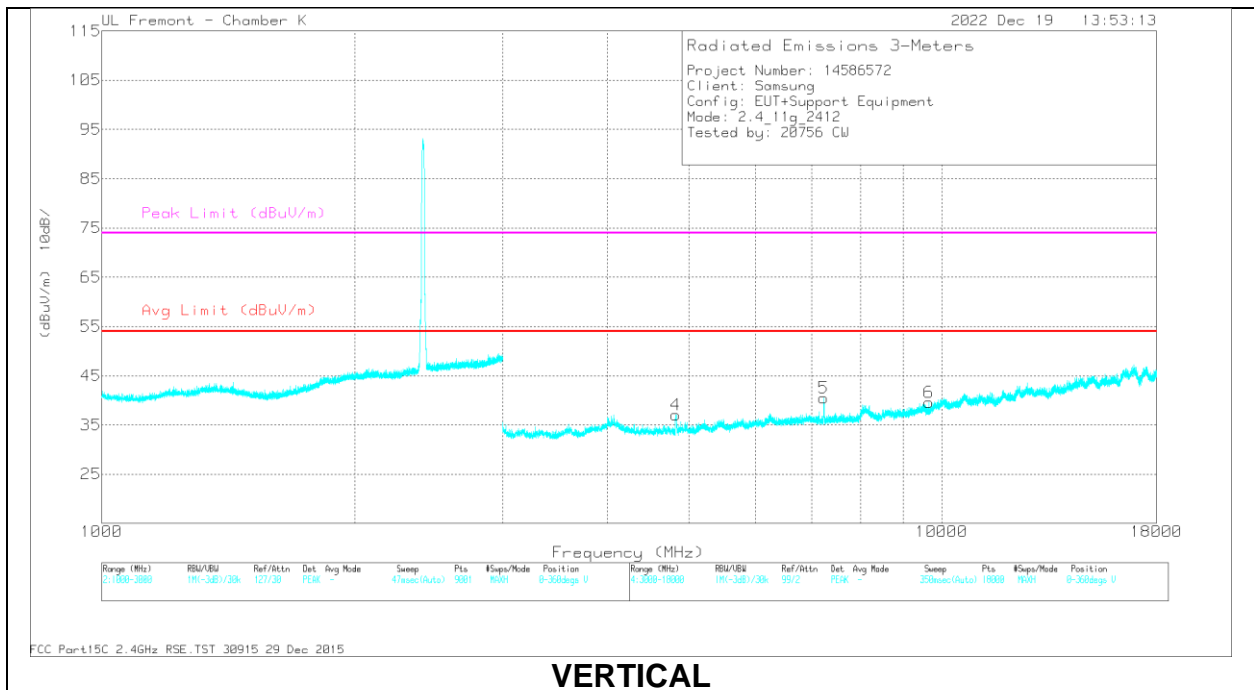
\* - indicates frequency in CFR47 Pt 15  
 PK - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL, CH 1 RESULTS**



**HORIZONTAL**



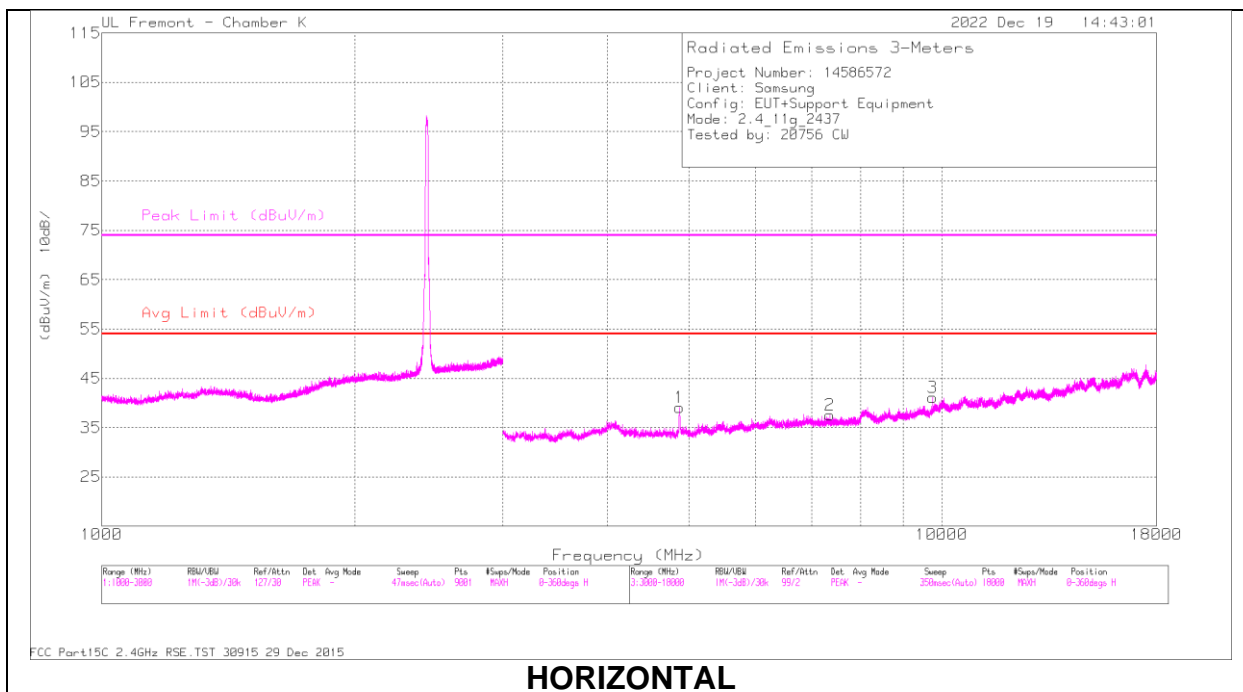
**VERTICAL**

**RADIATED EMISSIONS**

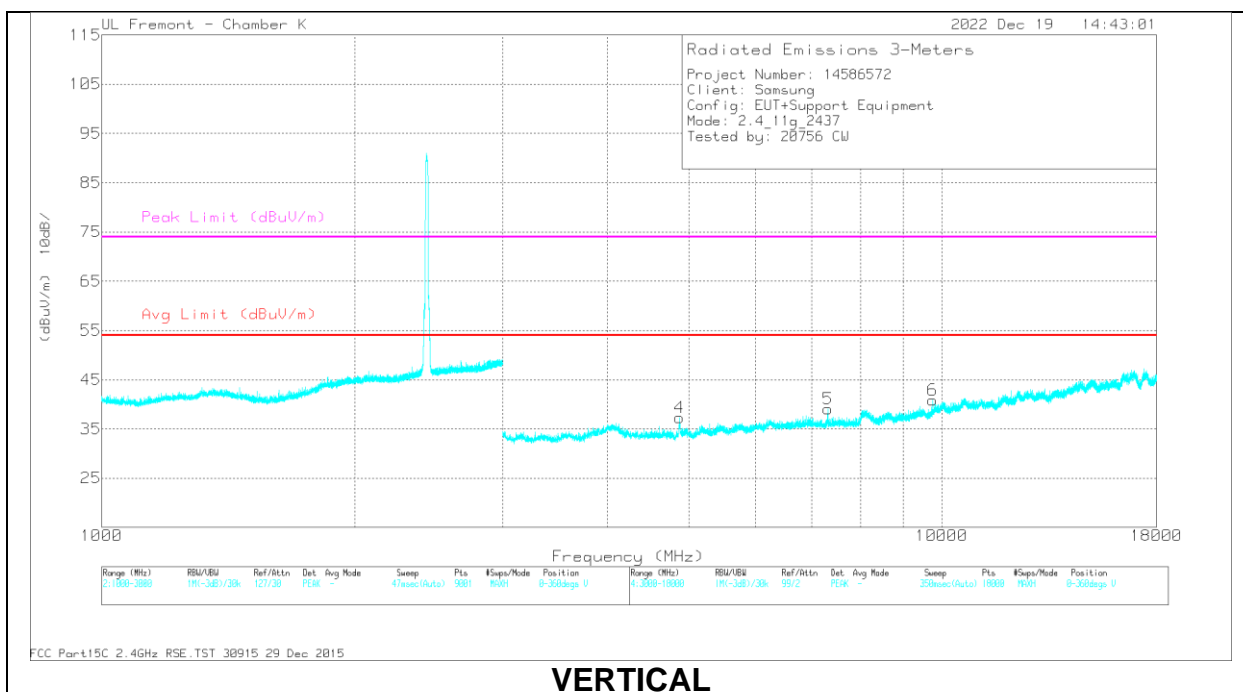
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4825.306	55.05	PK2	33.7	-40.5	0	48.25	-	-	74	-25.75	81	160	H
	* 4823.843	43.51	MAv1	33.7	-40.4	.34	37.15	54	-16.85	-	-	81	160	H
2	7240.872	52.9	PK2	35.7	-38.3	0	50.3	-	-	-	-	0	136	H
	7240.051	39.36	MAv1	35.7	-38.3	.34	37.1	-	-	-	-	0	136	H
3	* 11847.503	47.15	PK2	38.4	-34.6	0	50.95	-	-	74	-23.05	63	157	H
	* 11848.602	35.83	MAv1	38.4	-34.6	.34	39.97	54	-14.03	-	-	63	157	H
4	* 4826.844	55.7	PK2	33.7	-40.5	0	48.9	-	-	74	-25.1	171	329	V
	* 4826.452	45.35	MAv1	33.7	-40.5	.34	38.89	54	-15.11	-	-	171	329	V
5	7234.024	49.44	PK2	35.7	-38.2	0	46.94	-	-	-	-	273	231	V
	7233.826	38.01	MAv1	35.7	-38.2	.34	35.85	-	-	-	-	273	231	V
6	9646.963	48.23	PK2	36.8	-36.4	0	48.63	-	-	-	-	195	248	V
	9648.198	37.33	MAv1	36.8	-36.4	.34	38.07	-	-	-	-	195	248	V

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

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4875.378	57.02	PK2	33.7	-40.4	0	50.32	-	-	74	-23.68	108	262	H
	* 4874.061	43.8	MAv1	33.7	-40.3	.34	37.54	54	-16.46	-	-	108	262	H
2	* 7354.523	48.8	PK2	35.7	-37.8	0	46.7	-	-	74	-27.3	91	337	H
	* 7356.083	37.23	MAv1	35.7	-37.7	.34	35.57	54	-18.43	-	-	91	337	H
3	9748.034	49.6	PK2	36.9	-36.4	0	50.1	-	-	-	-	34	139	H
	9747.876	39.5	MAv1	36.9	-36.4	.34	40.34	-	-	-	-	34	139	H
4	* 4875.486	55.09	PK2	33.7	-40.4	0	48.39	-	-	74	-25.61	201	313	V
	* 4874.046	43.21	MAv1	33.7	-40.3	.34	36.95	54	-17.05	-	-	201	313	V
5	* 7312.934	48.84	PK2	35.7	-38	0	46.54	-	-	74	-27.46	238	264	V
	* 7312.601	37.37	MAv1	35.7	-38	.34	35.41	54	-18.59	-	-	238	264	V
6	9747.575	48.61	PK2	36.9	-36.4	0	49.11	-	-	-	-	209	127	V
	9747.845	37.92	MAv1	36.9	-36.4	.34	38.76	-	-	-	-	209	127	V

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