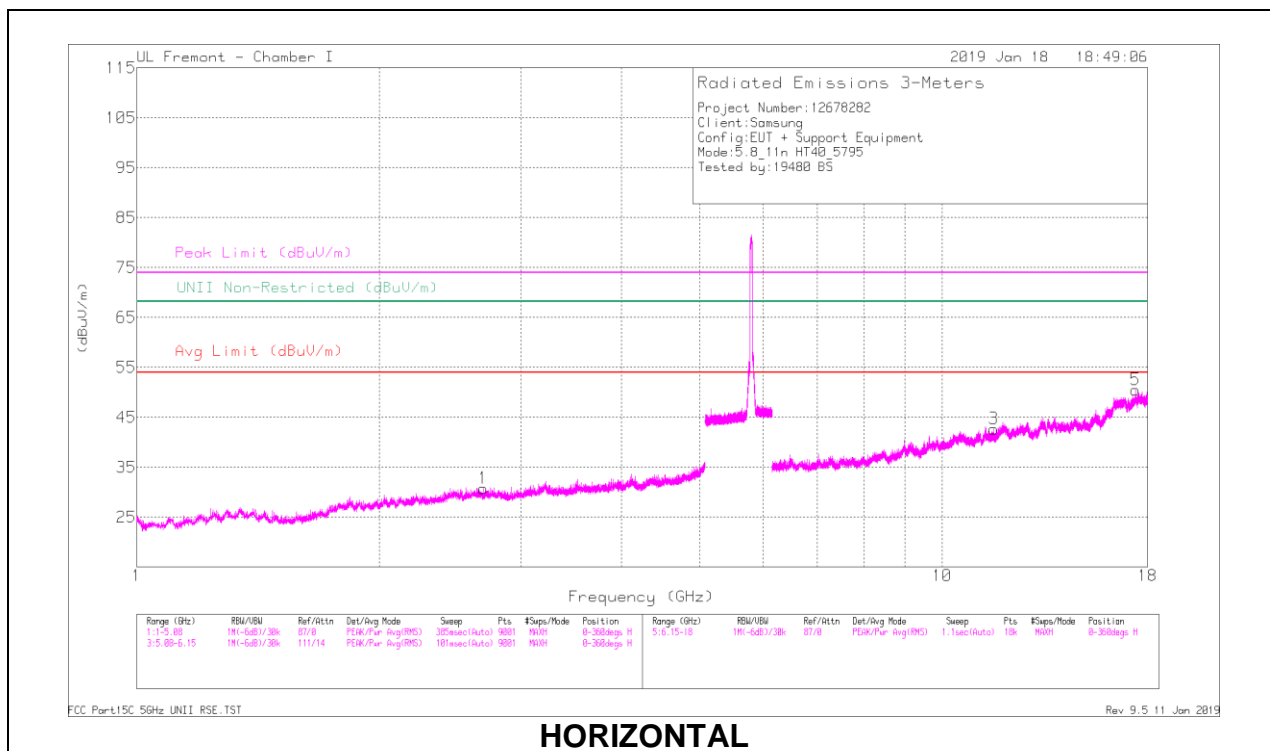
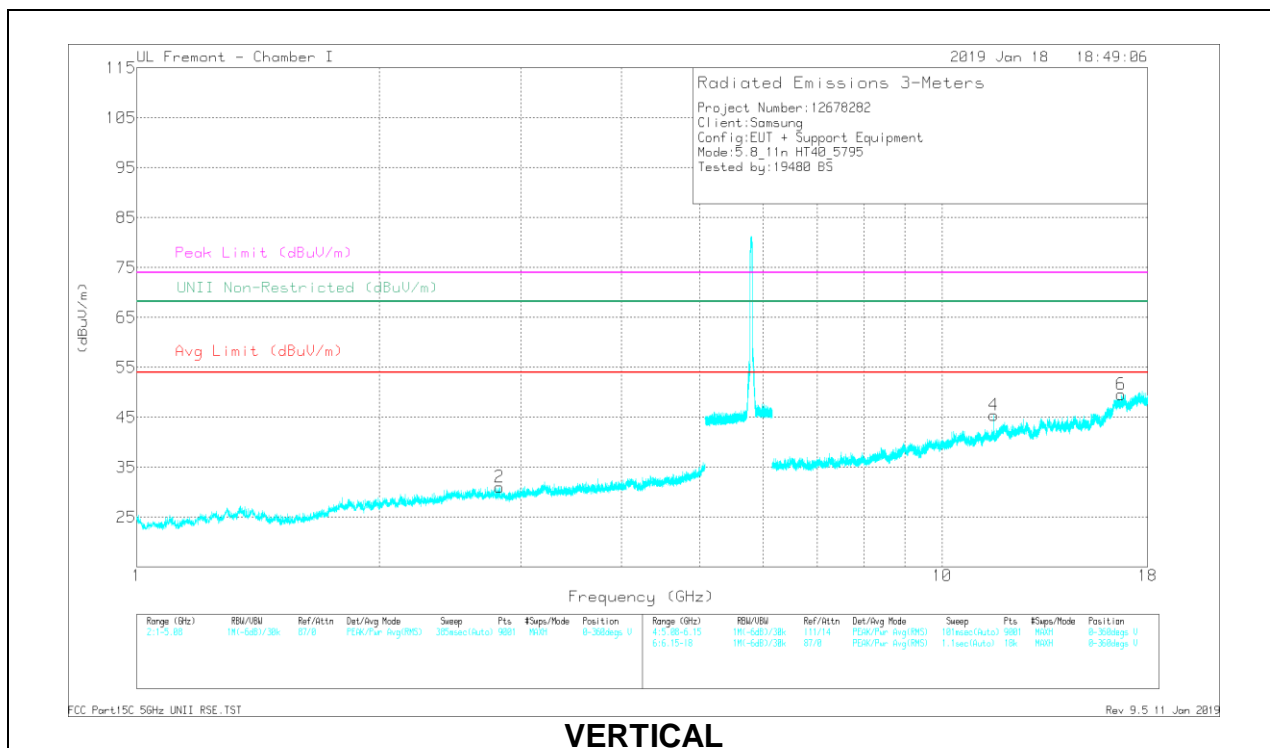


### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Measr Reading (dBuV)	Det	AF Y862 (dBm)	AmpC20/F10rPa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.694	36.26	PK-U	32.4	-31.5	0	37.16	-	-	74	-36.84	-	-	249	186	H
* 2.693	26.65	ADR	32.4	-31.5	.71	28.26	54	-25.74	-	-	-	-	249	186	H
* 2.823	38.17	PK-U	32.3	-31	0	37.47	-	-	74	-36.53	-	-	340	355	V
* 2.823	26.51	ADR	32.3	-31	.71	28.52	54	-25.48	-	-	-	-	340	355	V
* 11.59	29.86	PK-U	38.3	-16.6	0	51.56	-	-	74	-22.44	-	-	54	106	H
* 11.59	20.08	ADR	38.3	-16.6	.71	42.49	54	-11.51	-	-	-	-	54	106	H
17.404	25.31	PK-U	41.3	-10.6	0	56.01	-	-	-	-	68.2	-12.19	89	253	H
* 11.59	29.59	PK-U	38.3	-16.6	0	51.29	-	-	74	-22.71	-	-	62	106	V
* 11.59	22.72	ADR	38.3	-16.6	.71	45.13	54	-8.87	-	-	-	-	62	106	V
16.678	26.06	PK-U	41.5	-11.7	0	55.86	-	-	-	-	68.2	-12.34	300	224	V

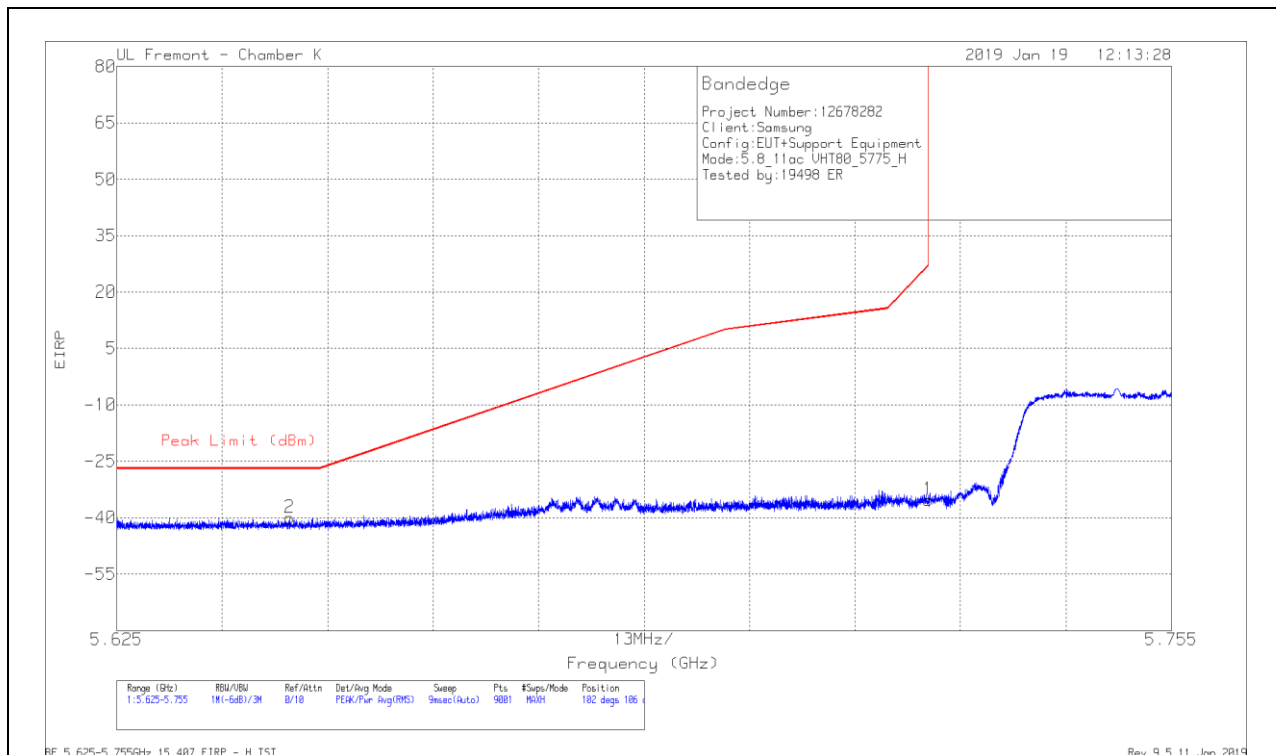
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**10.1.16. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND**

**1TX Antenna 1 MODE**

**BANDEDGE (CHANNEL 155 LOW EDGE)**

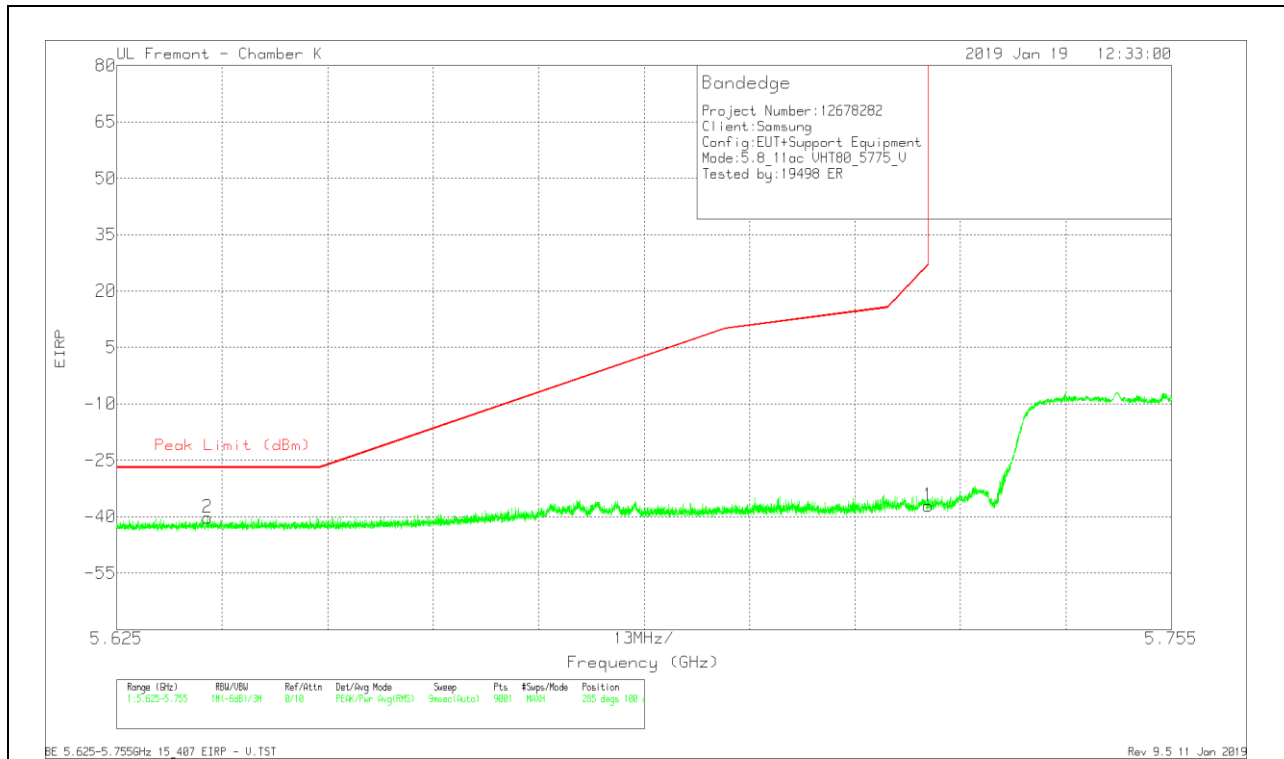
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cb/Filtr /Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.95	Pk	34.9	-19	11.8	-35.25	26.99	-62.24	102	106	H
2	5.646	-66.98	Pk	34.6	-19.4	11.8	-39.98	-27	-12.98	102	106	H

Pk - Peak detector

### VERTICAL RESULT

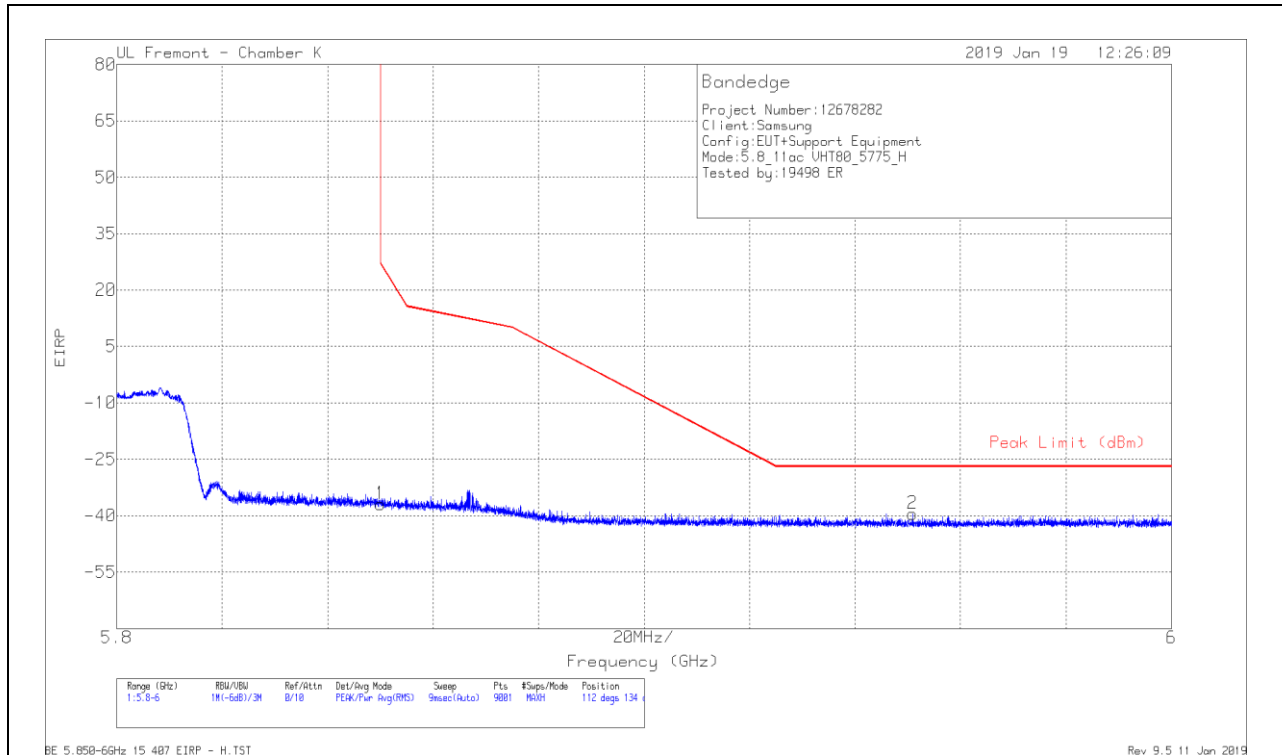


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cb/Filtr /Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.89	Pk	34.9	-19	11.8	-37.19	26.99	-64.18	285	100	V
2	5.636	-67.14	Pk	34.6	-19.5	11.8	-40.24	-27	-13.24	285	100	V

Pk - Peak detector

**BANDEDGE (CHANNEL 155 HIGH EDGE)**

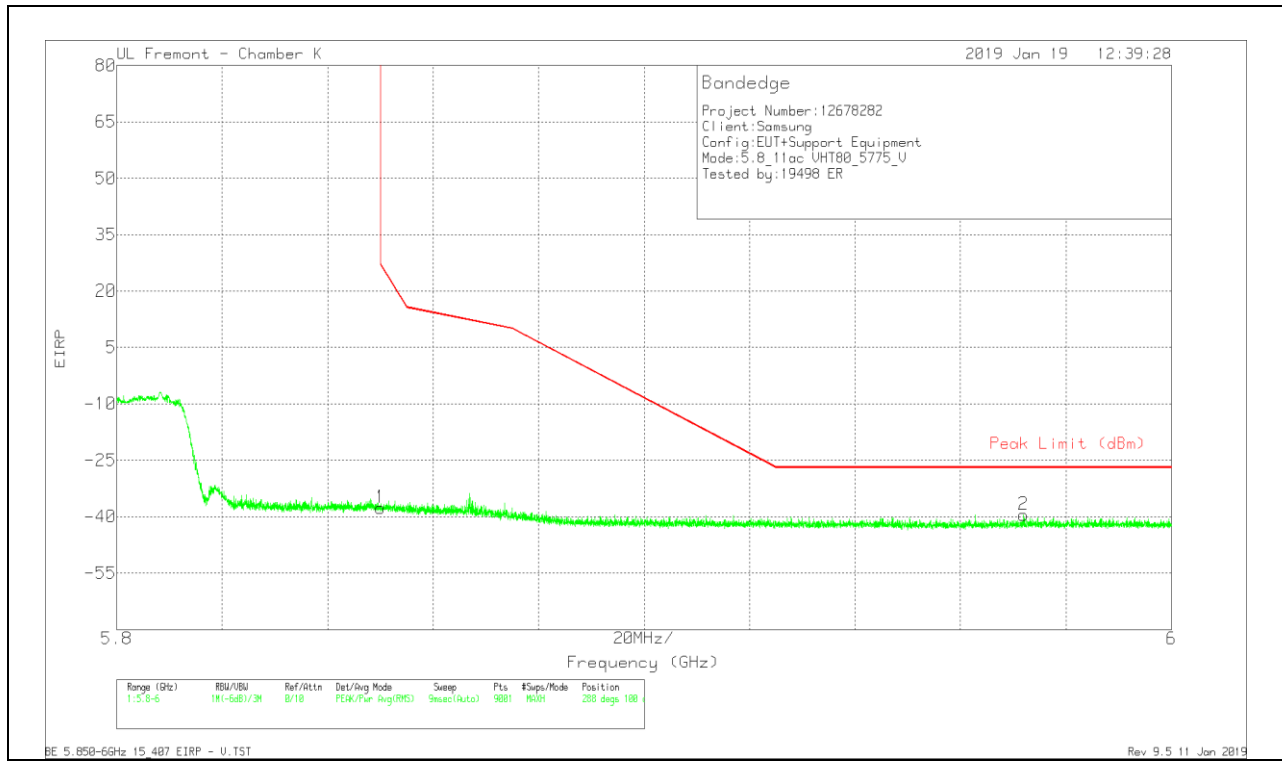
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cb/Fitr /Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.82	Pk	35	-18.9	11.8	-36.92	26.95	-63.87	112	134	H
2	5.951	-67.68	Pk	35.1	-18.7	11.8	-39.48	-27	-12.48	112	134	H

Pk - Peak detector

**VERTICAL RESULT**

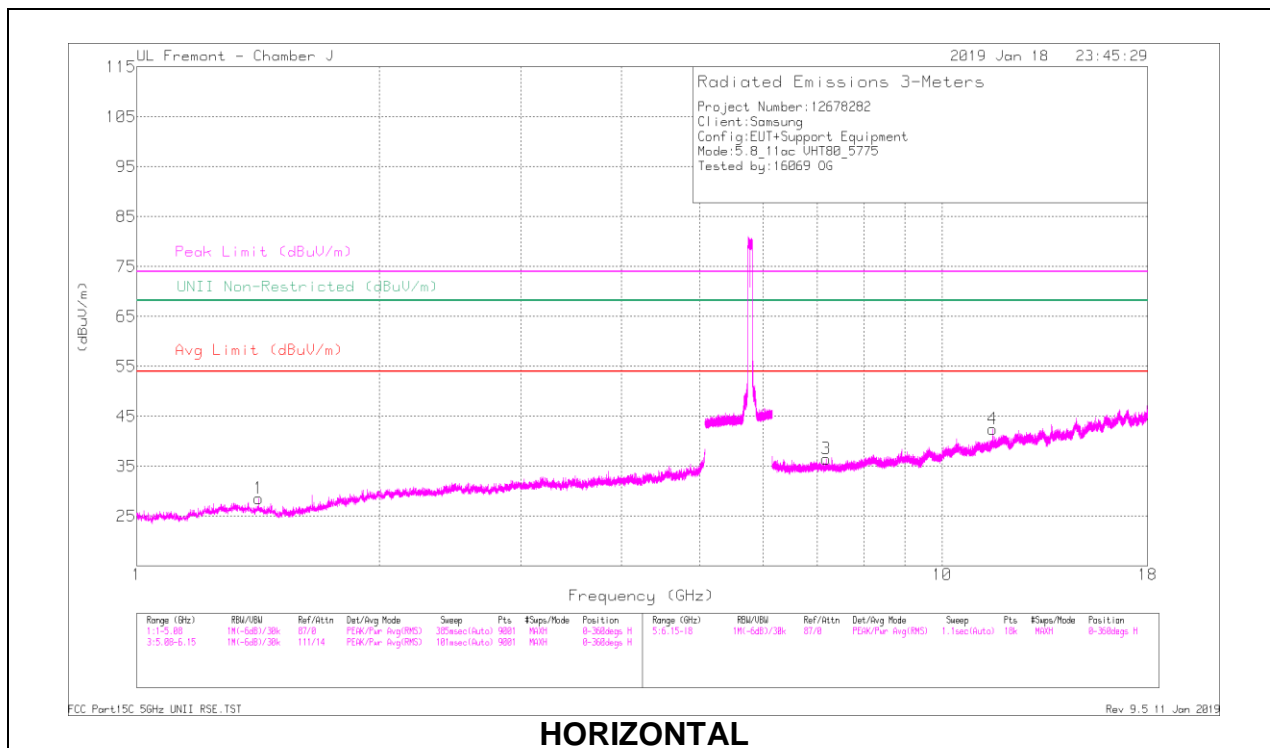


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cb/Filtr /Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.59	Pk	35	-18.9	11.8	-37.69	26.95	-64.64	288	100	V
2	5.972	-67.79	Pk	35.1	-18.6	11.8	-39.49	-27	-12.49	288	100	V

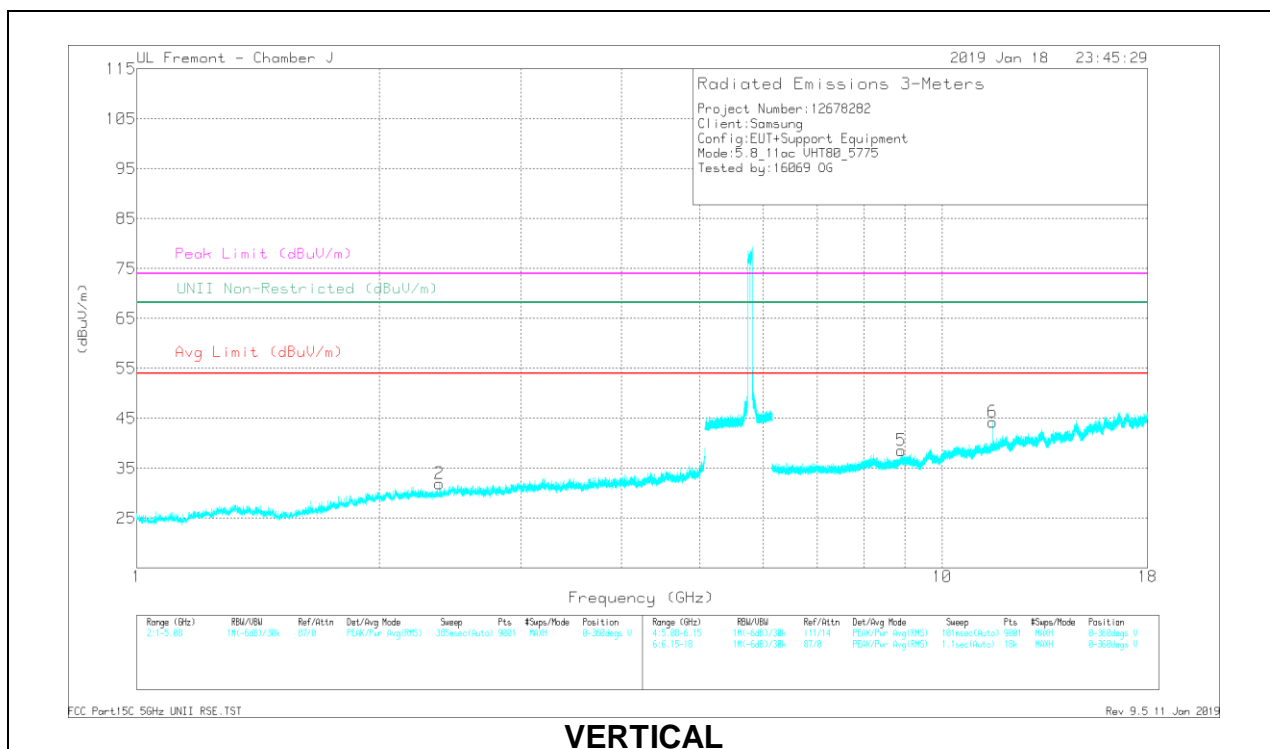
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**MID CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Measr Reading (dBuV)	Det	AF AT0067 (dBm)	AmpCoef/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.417	42.76	PK-U	28.8	-35.9	0	35.66	-	-	74	-38.34	-	-	163	222	H
* 1.417	31.69	ADR	28.8	-35.9	1.29	25.88	54	-28.12	-	-	-	-	163	222	H
* 2.378	41.59	PK-U	32	-35.5	0	38.09	-	-	74	-35.91	-	-	43	220	V
* 2.376	31.68	ADR	32	-35.5	1.29	29.47	54	-24.53	-	-	-	-	43	220	V
* 11.55	34.37	PK-U	38.3	-23.6	0	49.07	-	-	74	-24.93	-	-	292	109	H
* 11.55	26.64	ADR	38.3	-23.6	1.29	42.63	54	-11.37	-	-	-	-	292	109	H
7.183	34.57	PK-U	35.6	-27.3	0	42.87	-	-	-	-	68.2	-25.33	18	257	H
* 11.55	35.65	PK-U	38.3	-23.6	0	50.35	-	-	74	-23.65	-	-	294	103	V
* 11.55	28.4	ADR	38.3	-23.6	1.29	44.39	54	-9.61	-	-	-	-	294	103	V
8.902	33.09	PK-U	35.9	-25.1	0	44.69	-	-	-	-	68.2	-23.51	4	246	V

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

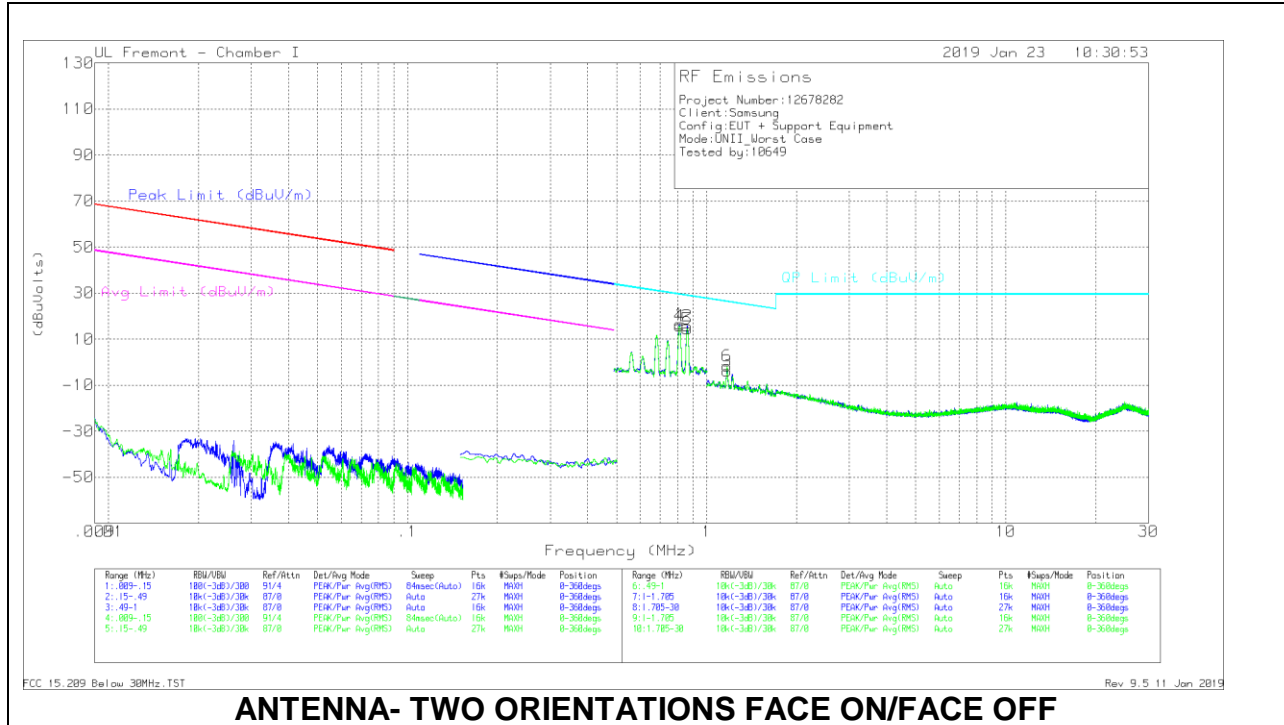
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



## 10.2. Worst Case Below 30MHz

### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



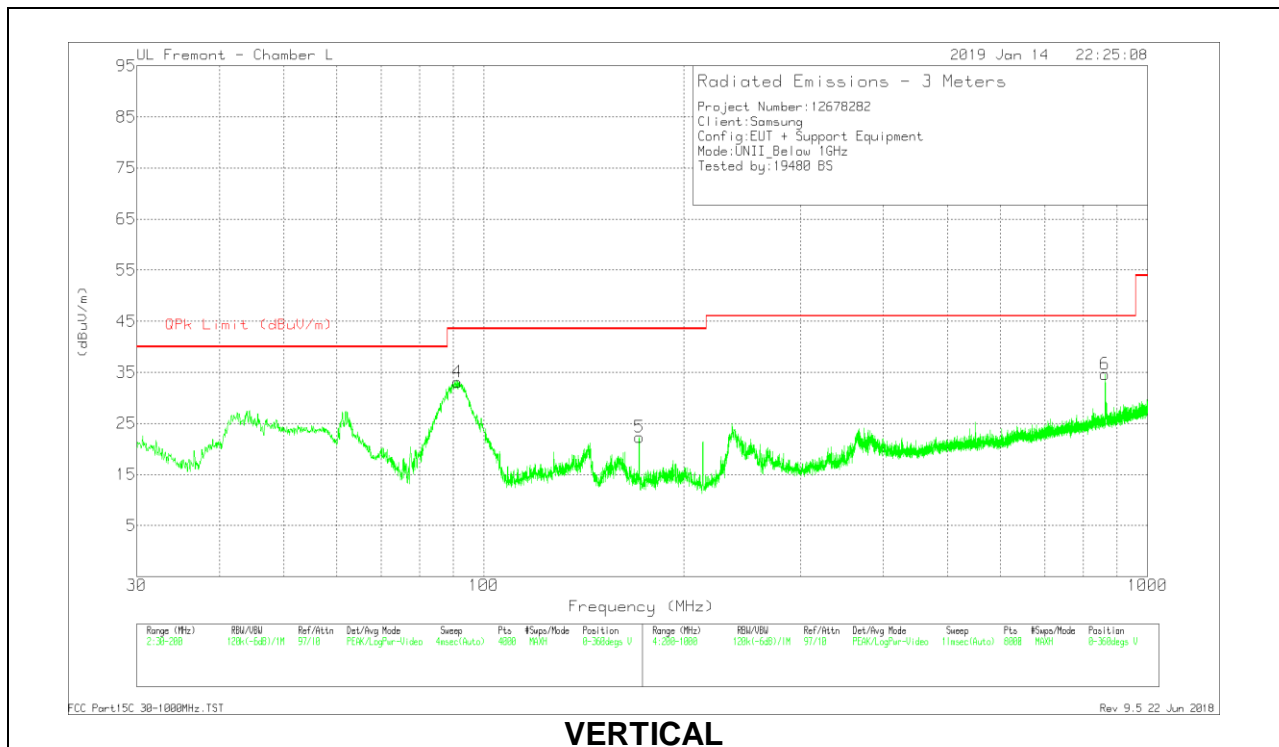
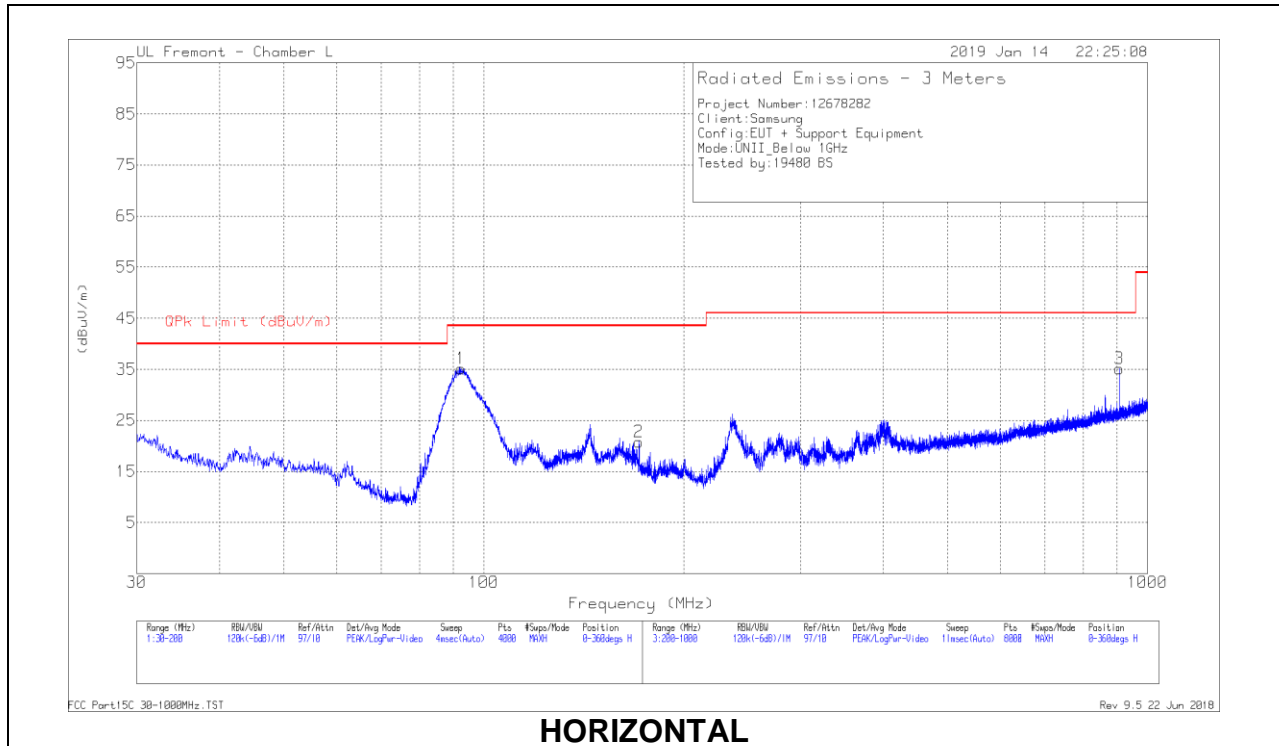
### ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cable s w/ PRE0 18017 5 (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV /m)	Margin (dB)	Azimuth (Degs)
1	.81069	32.17	Pk	56.3	-31.8	-40	16.67	29.44	-12.77	0-360
2	.86157	31.3	Pk	56.3	-31.8	-40	15.8	28.91	-13.11	0-360
4	.81035	31.18	Pk	56.3	-31.8	-40	15.68	29.44	-13.76	0-360
5	.8617	30	Pk	56.3	-31.8	-40	14.5	28.91	-14.41	0-360
3	1.16867	22.44	Pk	45.5	-31.8	-40	-3.86	26.27	-30.13	0-360
6	1.17039	24.62	Pk	45.5	-31.8	-40	-1.68	26.26	-27.94	0-360

Pk - Peak detector

### 10.3. Worst Case Below 1 GHz

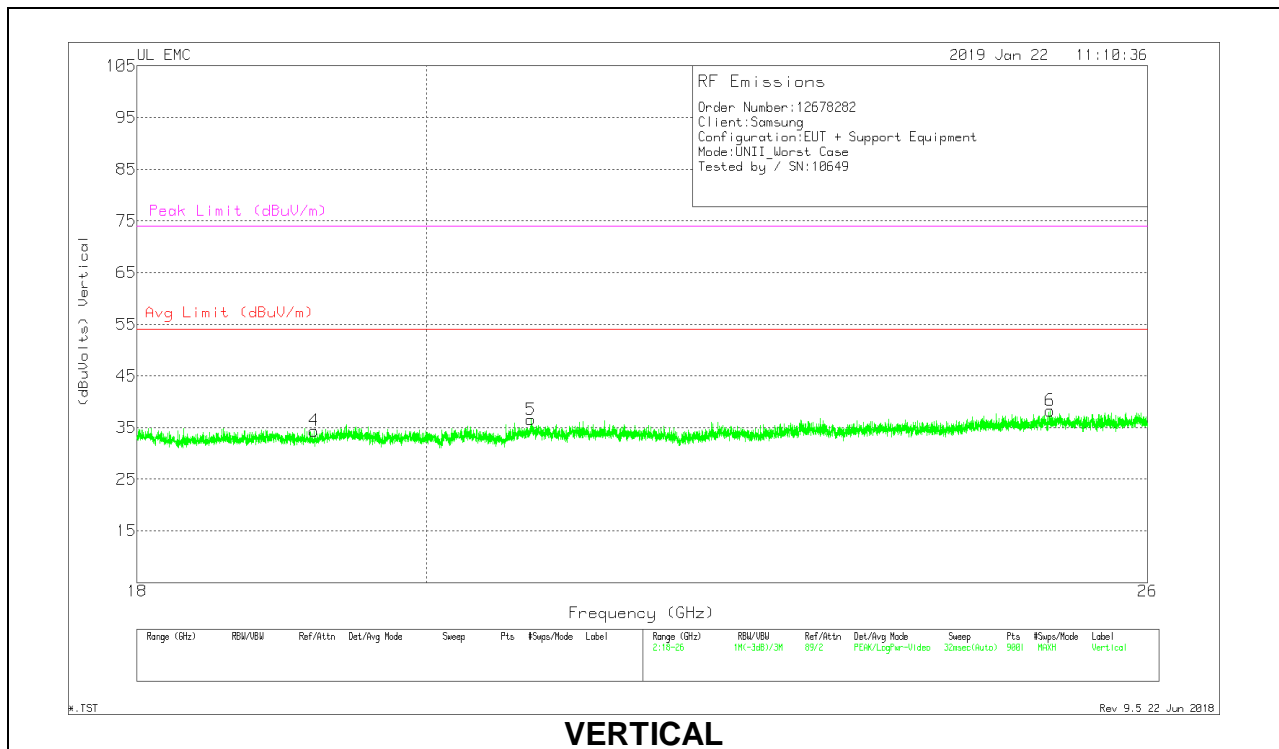
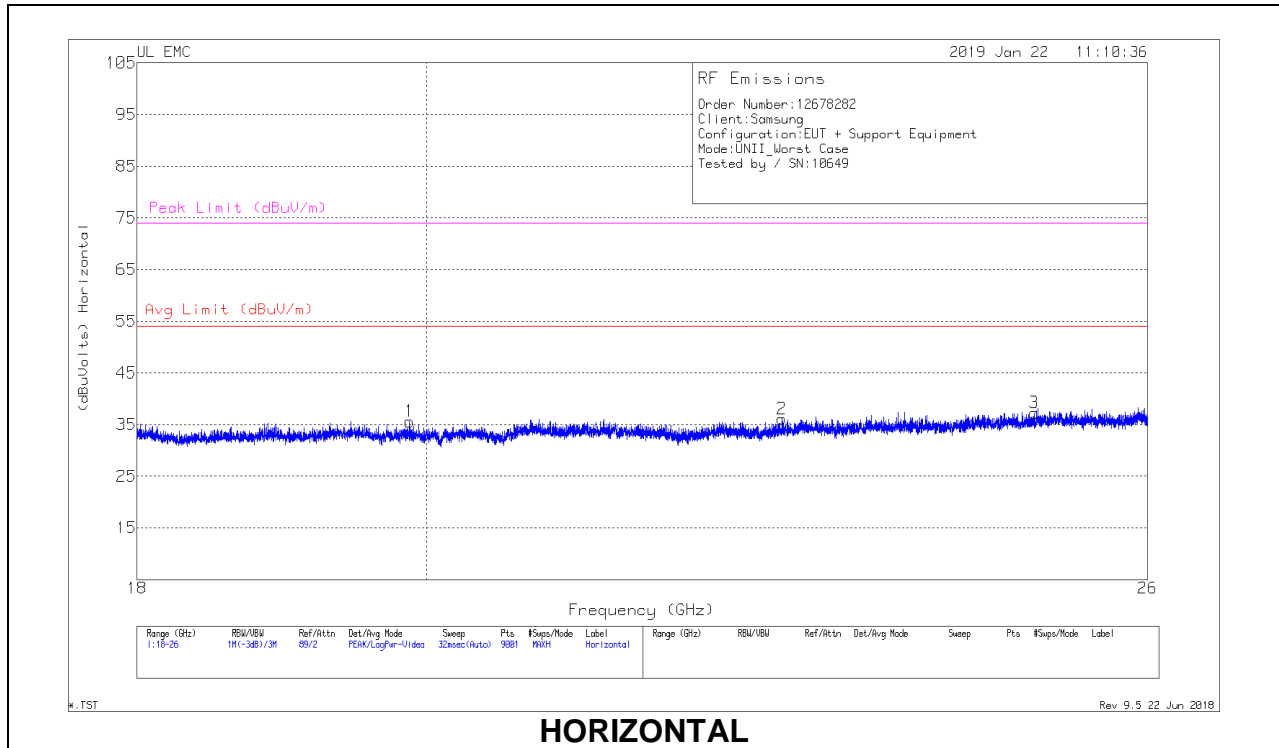


**Below 1GHz DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184970 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	92.4061	52.07	Pk	14	-31	35.07	43.52	-8.45	0-360	299	H
2	* 171.3491	33.8	Pk	17.5	-30.5	20.8	43.52	-22.72	0-360	102	H
4	91.2584	50.28	Pk	13.8	-31	33.08	43.52	-10.44	0-360	102	V
5	* 171.3916	35.31	Pk	17.5	-30.5	22.31	43.52	-21.21	0-360	102	V
3	907.0919	34.54	Pk	28.1	-27.5	35.14	46.02	-10.88	0-360	199	H
6	863.2862	34.58	Pk	27.6	-27.6	34.58	46.02	-11.44	0-360	102	V

Pk - Peak detector

### 10.4. Worst Case 18-26 GHz

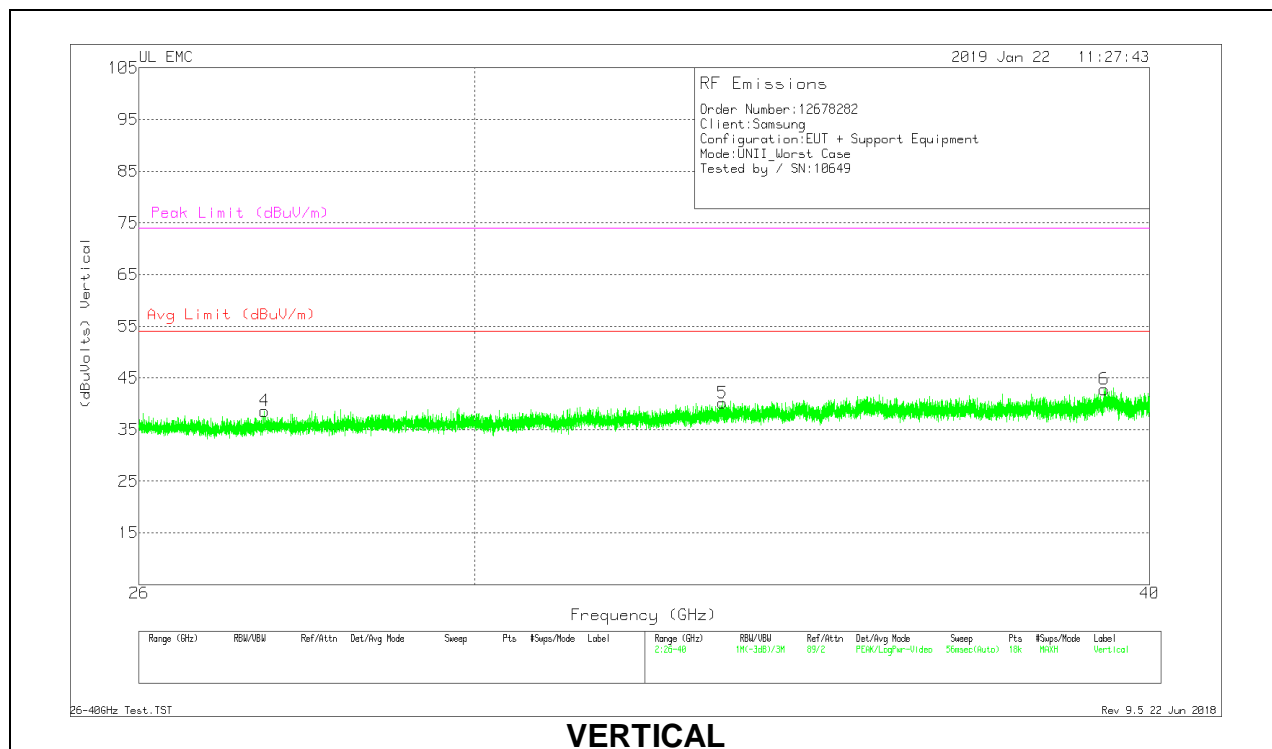
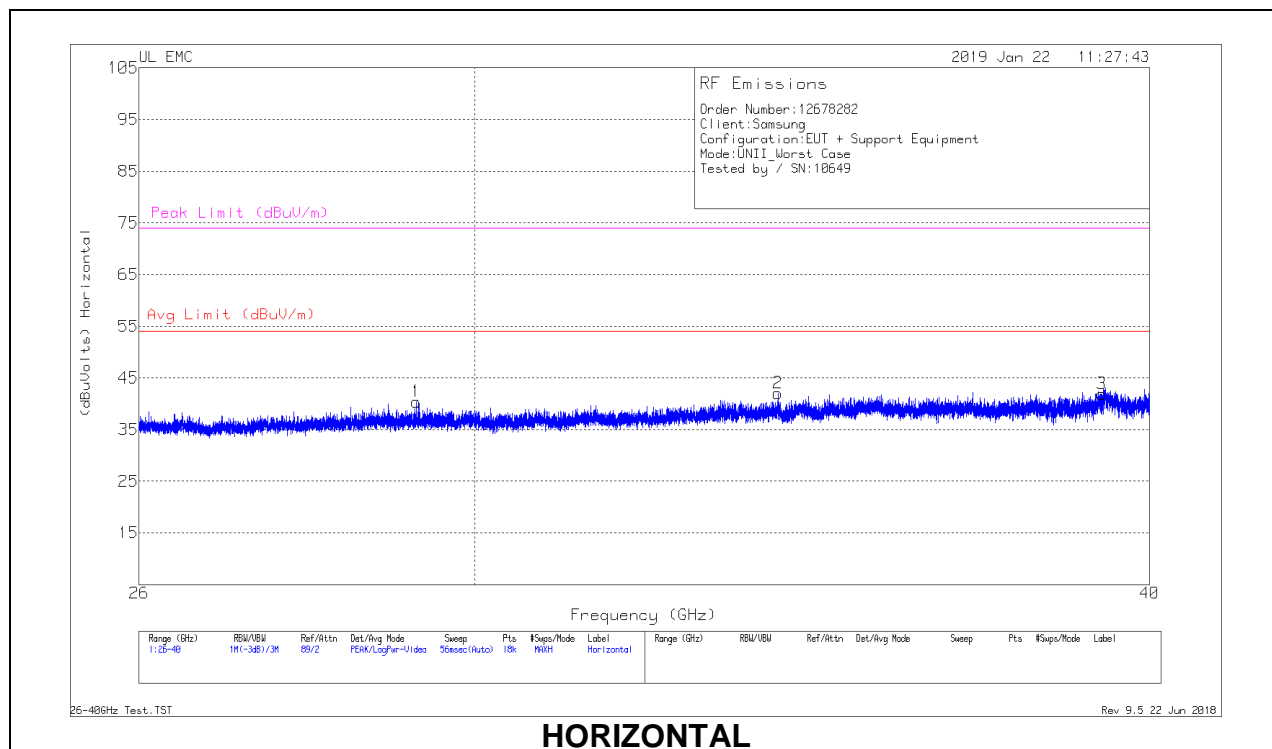


**18 – 26GHz DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T448 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.876	69.2	Pk	32.6	-56.7	-9.5	35.6	54	-18.4	74	-38.4
2	22.762	69.72	Pk	33.5	-57.6	-9.5	36.12	54	-17.88	74	-37.88
3	24.95	67.85	Pk	34.4	-55.5	-9.5	37.25	54	-16.75	74	-36.75
4	19.197	68.57	Pk	32.6	-57.3	-9.5	34.37	54	-19.63	74	-39.63
5	20.772	69.76	Pk	33	-56.7	-9.5	36.56	54	-17.44	74	-37.44
6	25.094	68.27	Pk	34.6	-55.1	-9.5	38.27	54	-15.73	74	-35.73

Pk - Peak detector

### 10.5. Worst Case 26-40 GHz



**26 – 40GHz DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	29.262	67.18	Pk	35.9	-53.2	-9.5	40.38	54	-13.62	74	-33.62
2	34.138	68.75	Pk	36.9	-54.1	-9.5	42.05	54	-11.95	74	-31.95
3	39.195	67.67	Pk	38.3	-54.6	-9.5	41.87	54	-12.13	74	-32.13
4	27.428	69.3	Pk	35.7	-56.9	-9.5	38.6	54	-15.4	74	-35.4
5	33.34	66.96	Pk	37	-54.3	-9.5	40.16	54	-13.84	74	-33.84
6	39.233	68.4	Pk	38.5	-54.6	-9.5	42.8	54	-11.2	74	-31.2

Pk - Peak detector



## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

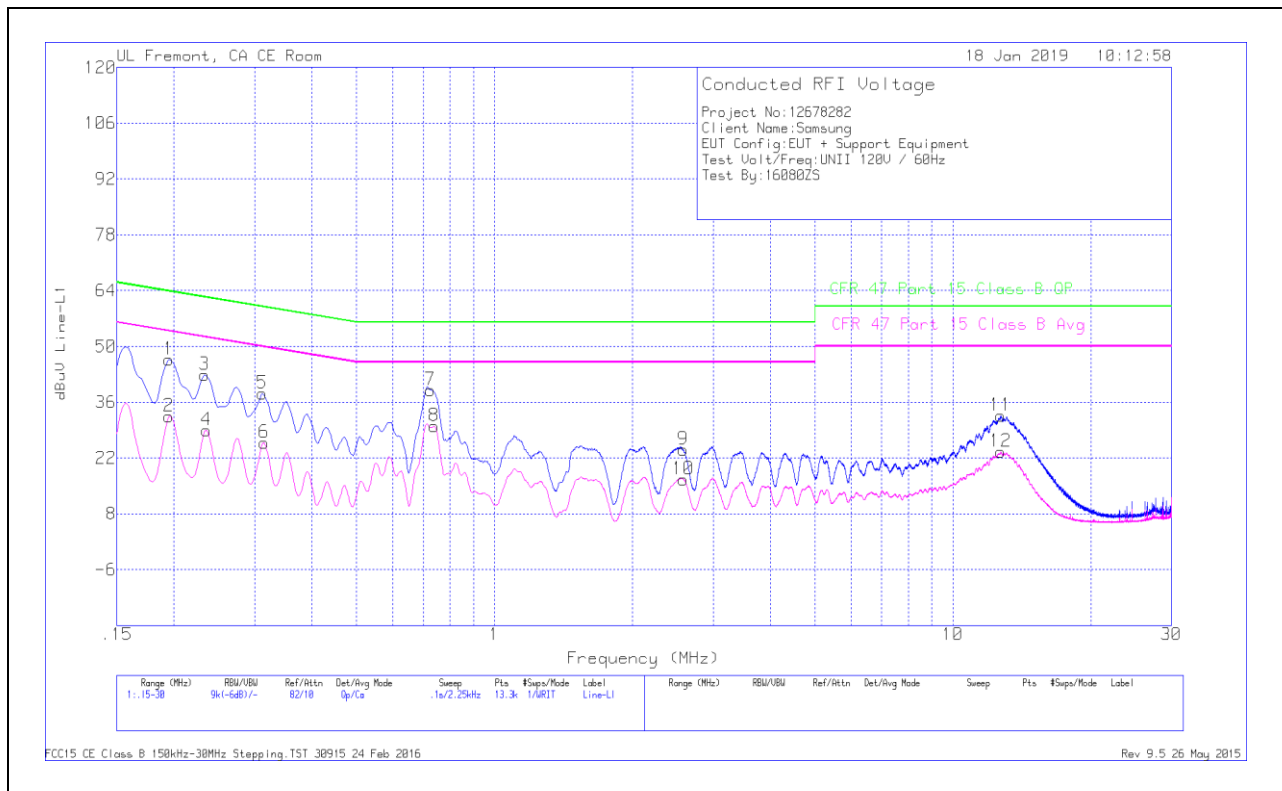
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

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

### RESULTS

### LINE 1 RESULTS

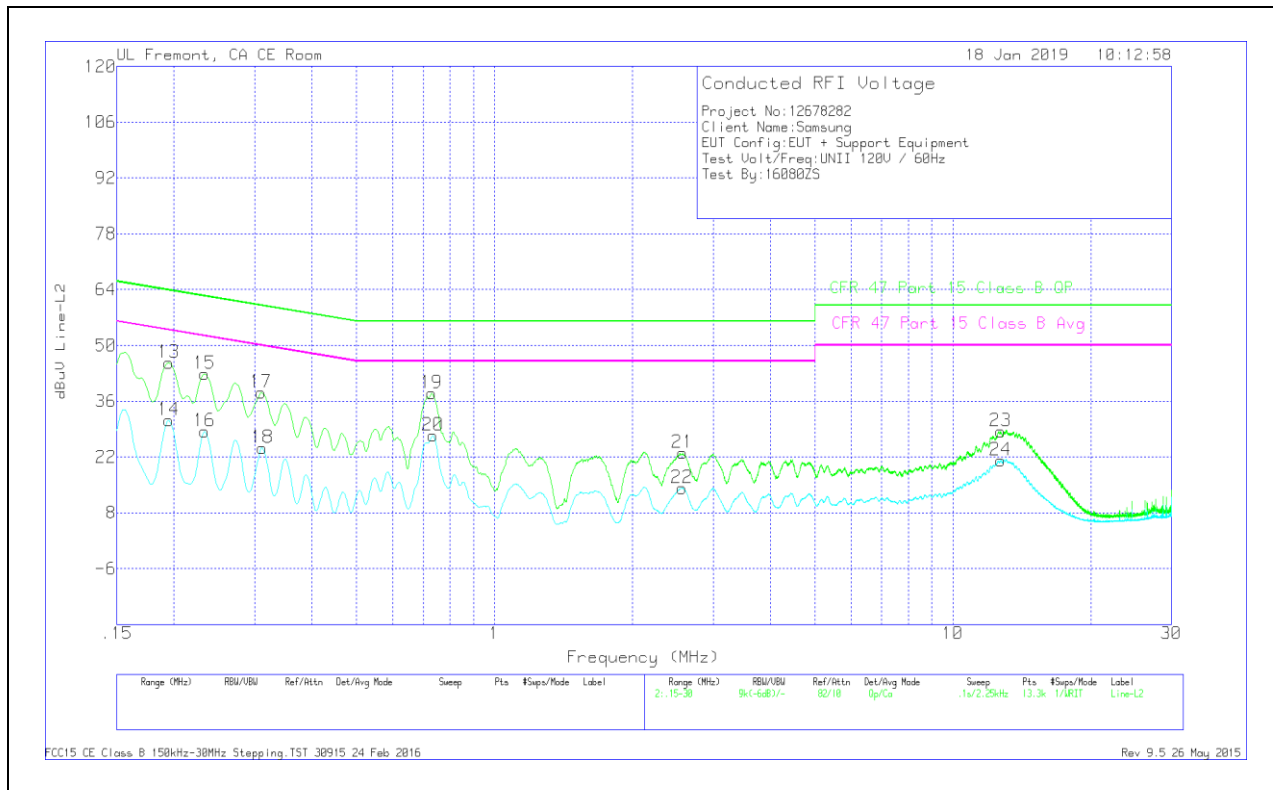


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.195	36.54	Qp	0	0	10.1	46.64	63.82	-17.18	-	-
2	.195	22.42	Ca	0	0	10.1	32.52	-	-	53.82	-21.3
3	.23325	32.83	Qp	0	0	10.1	42.93	62.33	-19.4	-	-
4	.2355	18.87	Ca	0	0	10.1	28.97	-	-	52.25	-23.28
5	.312	28.02	Qp	0	0	10.1	38.12	59.92	-21.8	-	-
6	.31425	15.66	Ca	0	0	10.1	25.76	-	-	49.86	-24.1
7	.726	29	Qp	0	0	10.1	39.1	56	-16.9	-	-
8	.7395	19.83	Ca	0	0	10.1	29.93	-	-	46	-16.07
9	2.5845	13.89	Qp	0	.1	10.1	24.09	56	-31.91	-	-
10	2.58113	6.49	Ca	0	.1	10.1	16.69	-	-	46	-29.31
11	12.741	22.04	Qp	.1	.2	10.2	32.54	60	-27.46	-	-
12	12.7275	13.01	Ca	.1	.2	10.2	23.51	-	-	50	-26.49

Qp - Quasi-Peak detector

Ca - CISPR average detection

### LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.195	35.51	Qp	0	0	10.1	45.61	63.82	-18.21	-	-
14	.195	21.15	Ca	0	0	10.1	31.25	-	-	53.82	-22.57
15	.23325	32.71	Qp	0	0	10.1	42.81	62.33	-19.52	-	-
16	.23325	18.28	Ca	0	0	10.1	28.38	-	-	52.33	-23.95
17	.30975	28.05	Qp	0	0	10.1	38.15	59.98	-21.83	-	-
18	.312	14.15	Ca	0	0	10.1	24.25	-	-	49.92	-25.67
19	.7305	27.84	Qp	0	0	10.1	37.94	56	-18.06	-	-
20	.735	17.24	Ca	0	0	10.1	27.34	-	-	46	-18.66
21	2.57775	12.83	Qp	0	.1	10.1	23.03	56	-32.97	-	-
22	2.5665	3.99	Ca	0	.1	10.1	14.19	-	-	46	-31.81
23	12.7376	17.87	Qp	.1	.2	10.2	28.37	60	-31.63	-	-
24	12.7376	10.71	Ca	.1	.2	10.2	21.21	-	-	50	-28.79

Qp - Quasi-Peak detector

Ca - CISPR average detection