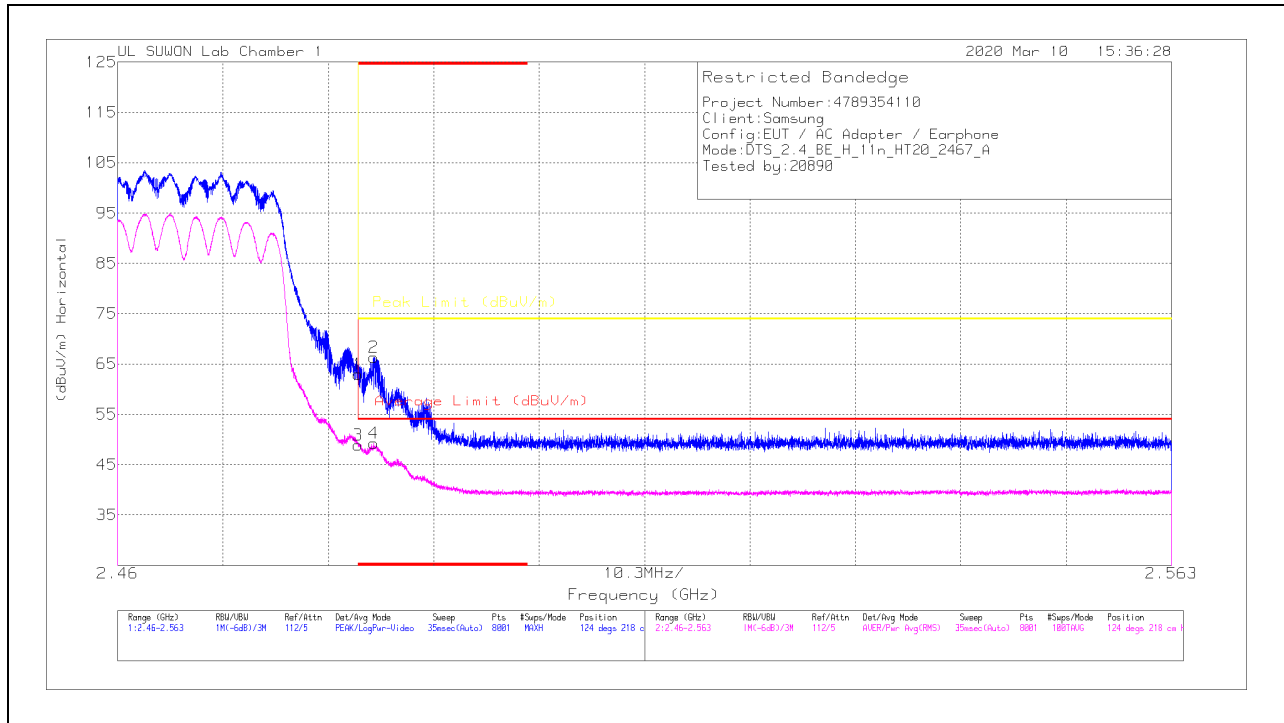


**BANDEDGE (HIGH CHANNEL, CH 12)**

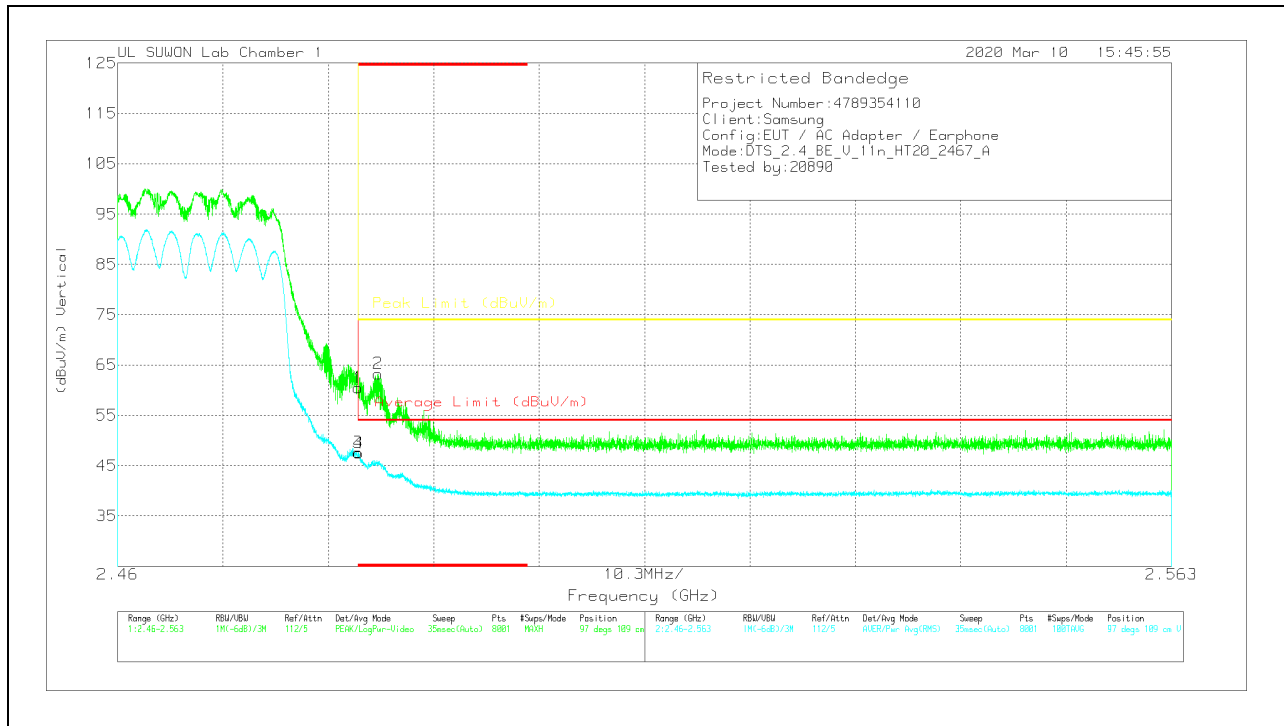
**HORIZONTAL RESULT**



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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	56.3	Pk	31.9	-25.2	0	63	-	-	74	-11	124	218	H
2	* 2.485	59.6	Pk	31.9	-25.2	0	66.3	-	-	74	-7.7	124	218	H
3	* 2.48351	42.07	RMS	31.9	-25.2	-17	48.94	54	-5.06	-	-	124	218	H
4	* 2.48503	42.41	RMS	31.9	-25.2	-17	49.28	54	-4.72	-	-	124	218	H

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

### VERTICAL RESULT

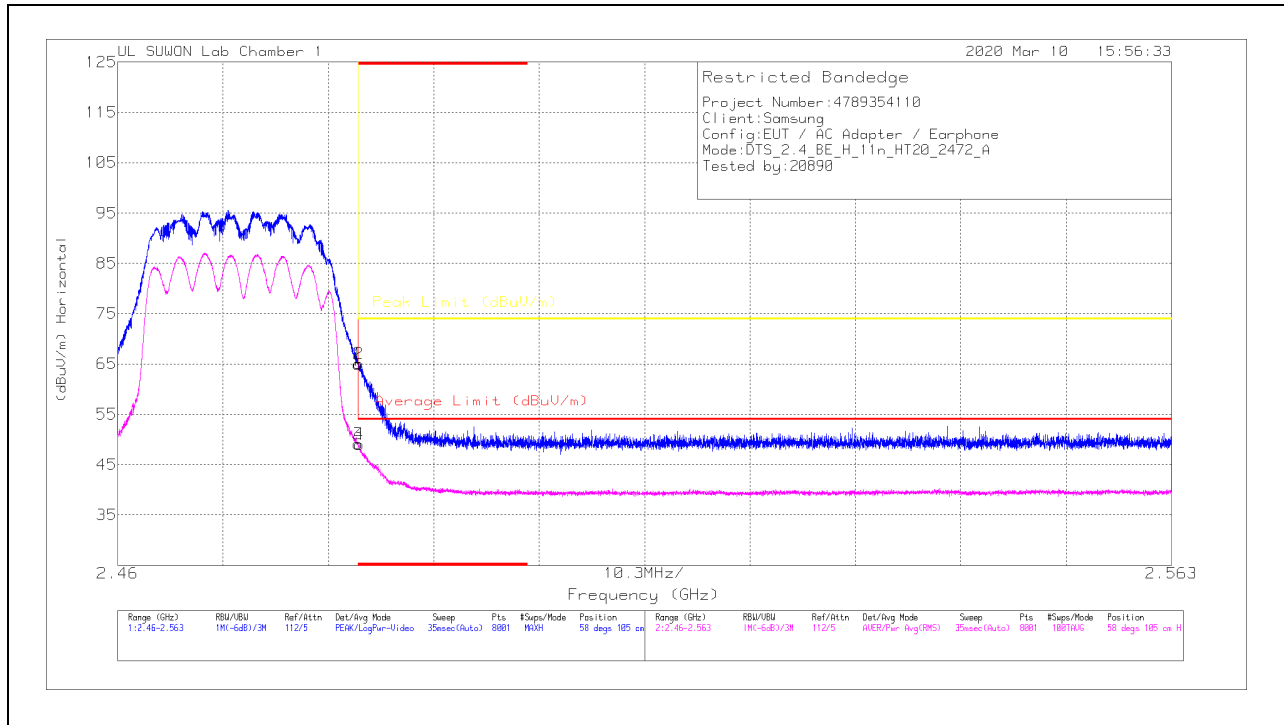


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	53.83	Pk	31.9	-25.2	0	60.53	-	-	74	-13.47	97	109	V
2	* 2.48543	56.58	Pk	31.9	-25.2	0	63.28	-	-	74	-10.72	97	109	V
3	* 2.48351	40.73	RMS	31.9	-25.2	-17	47.6	54	-6.4	-	-	97	109	V
4	* 2.48355	40.6	RMS	31.9	-25.2	-17	47.47	54	-6.53	-	-	97	109	V

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

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

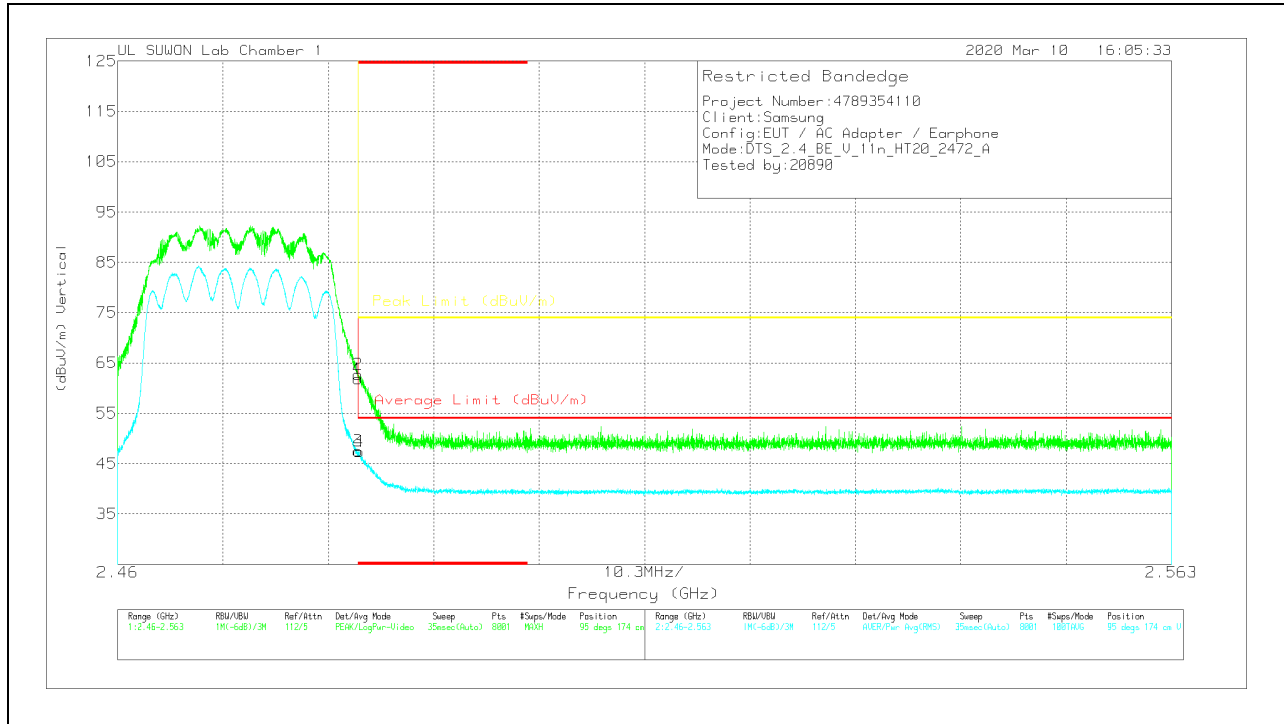
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	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	58.21	Pk	31.9	-25.2	0	64.91	-	-	74	-9.09	58	105	H
2	* 2.48357	58.37	Pk	31.9	-25.2	0	65.07	-	-	74	-8.93	58	105	H
3	* 2.48351	42.29	RMS	31.9	-25.2	-17	49.16	54	-4.84	-	-	58	105	H
4	* 2.48361	42.2	RMS	31.9	-25.2	-17	49.07	54	-4.93	-	-	58	105	H

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

### VERTICAL RESULT

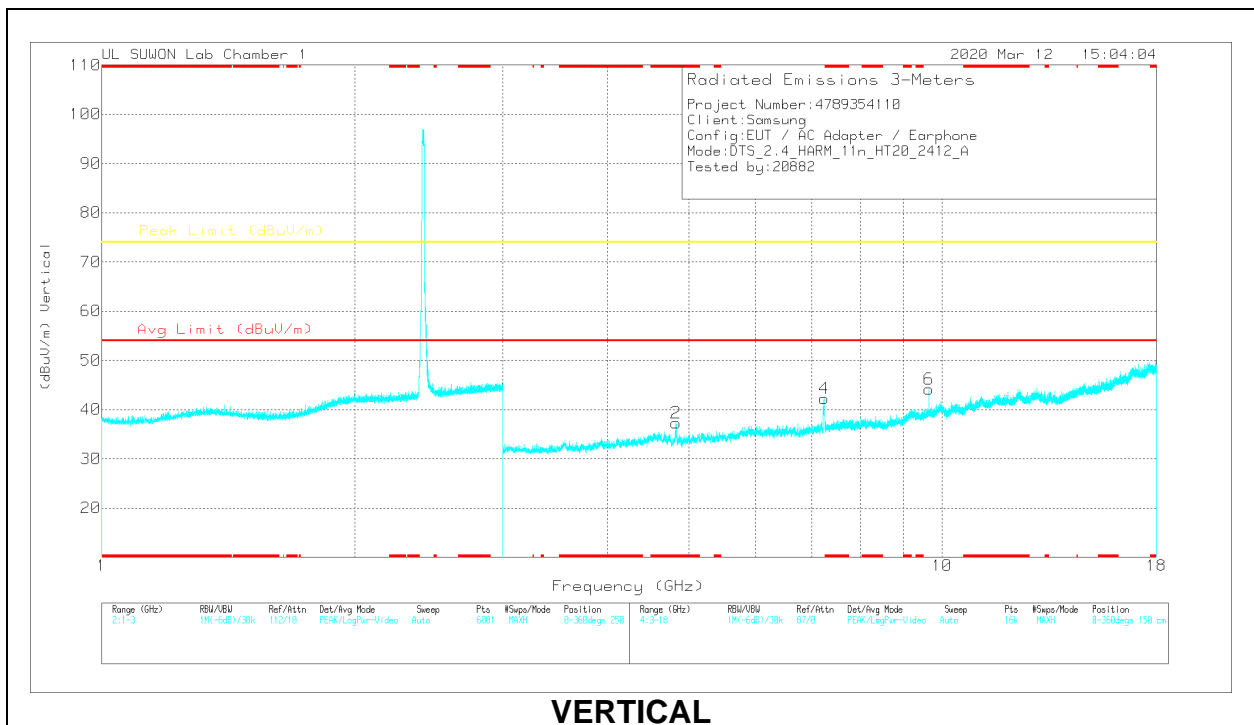
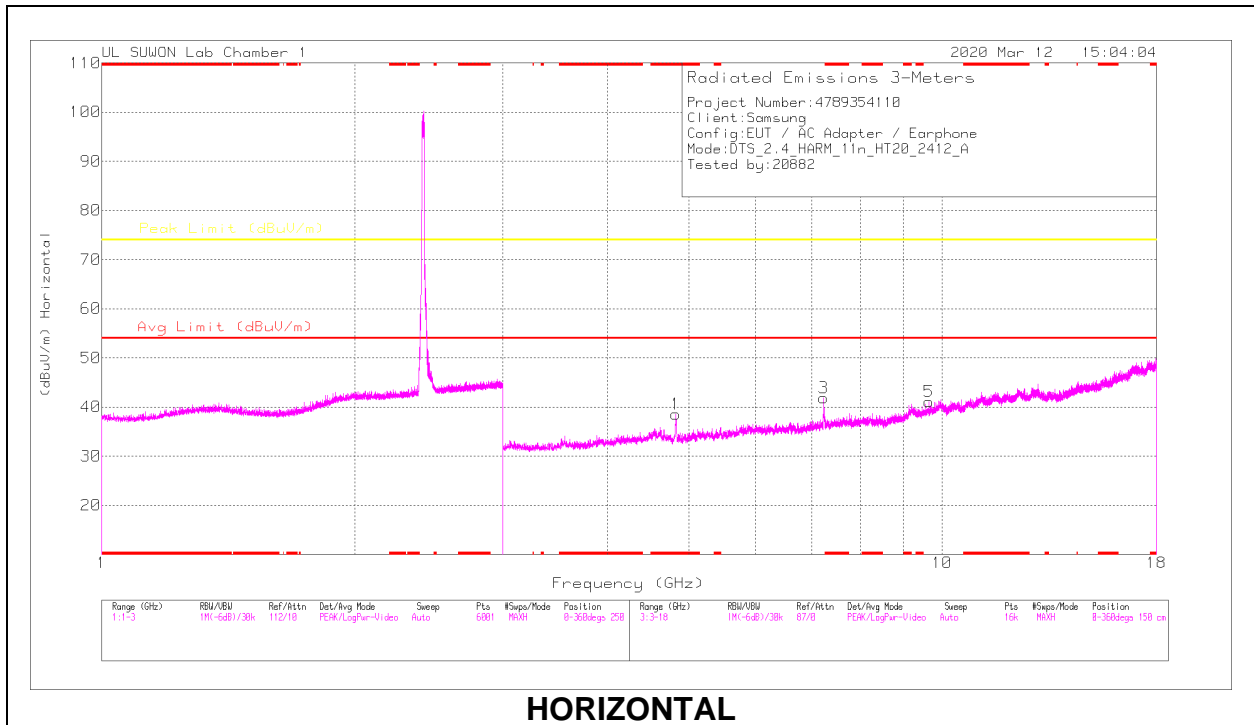


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	55.1	Pk	31.9	-25.2	0	51.8	-	-	74	-12.2	95	174	V
2	* 2.48352	56.01	Pk	31.9	-25.2	0	62.71	-	-	74	-11.29	95	174	V
3	* 2.48351	40.6	RMS	31.9	-25.2	-17	47.47	54	-6.53	-	-	95	174	V
4	* 2.48359	40.57	RMS	31.9	-25.2	-17	47.44	54	-6.56	-	-	95	174	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**

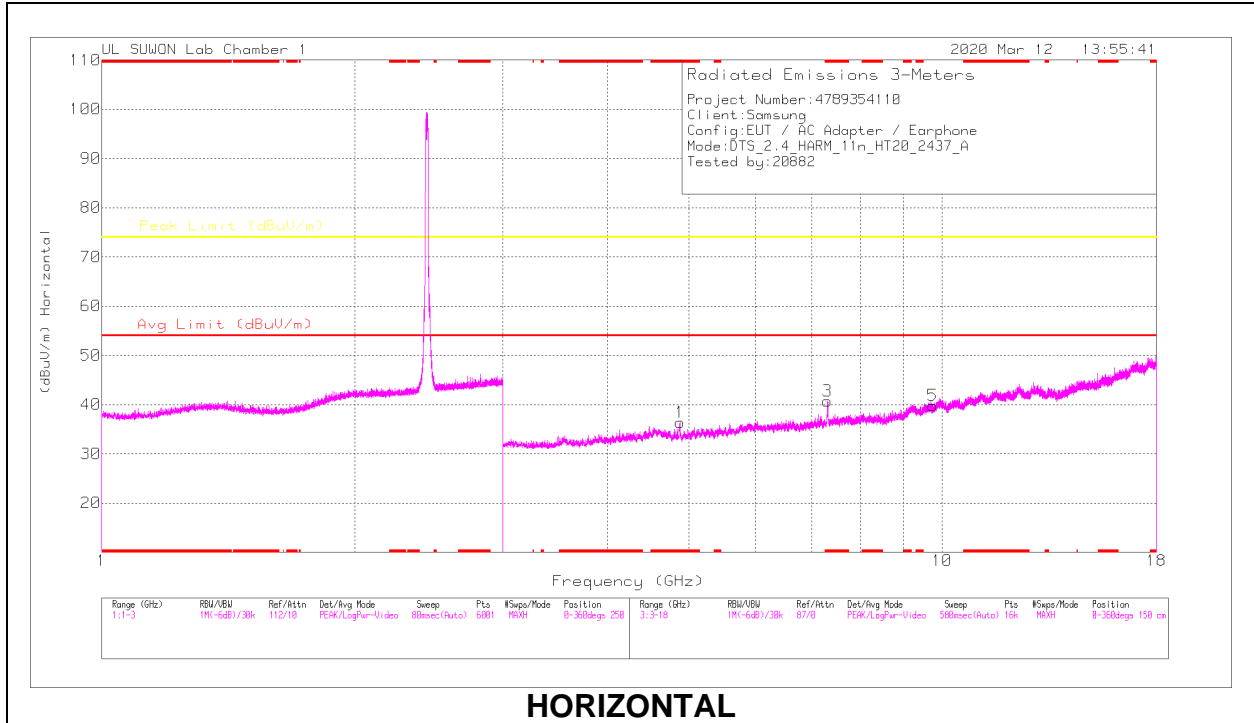
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82767	47.68	PK2	34.2	-31.5	0	50.38	-	-	74	-23.62	69	191	H
* 4.82305	35.44	MAv1	34.2	-31.6	.17	38.21	54	-15.79	-	-	69	191	H
* 4.81791	45.04	PK2	34.2	-31.5	0	47.74	-	-	74	-26.26	326	114	V
* 4.82285	31.83	MAv1	34.2	-31.6	.17	34.6	54	-19.4	-	-	326	114	V
7.24006	43.61	PK2	35.8	-27.8	0	51.61	-	-	74	-22.39	103	100	H
7.22964	46.58	PK2	35.8	-27.7	0	54.68	-	-	74	-19.32	40	101	V
9.64791	35.14	PK2	37.1	-23.5	0	48.74	-	-	74	-25.26	287	100	H
9.64791	36.88	PK2	37.1	-23.5	0	50.48	-	-	74	-23.52	41	104	V

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

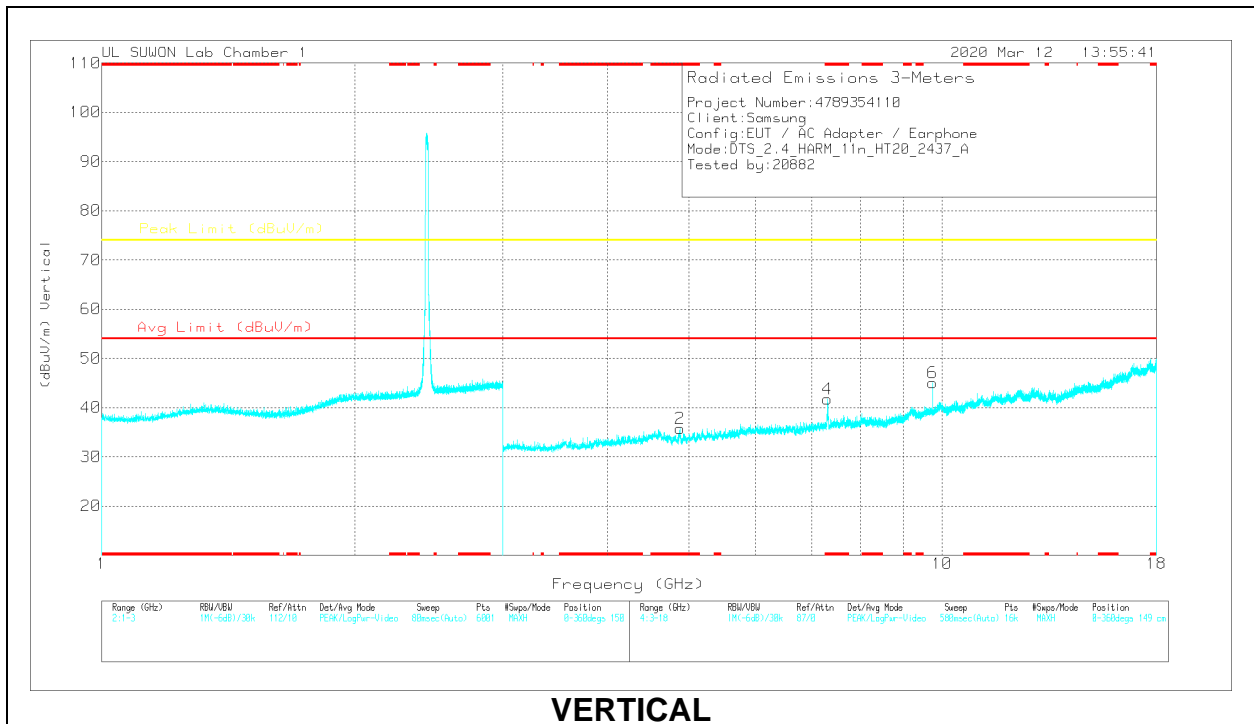
PK2 - KDB558074 Method: Maximum Peak

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
* 4.8736	45.92	PK2	34.2	-31.6	0	48.52	-	-	74	-25.48	71	174	H
* 4.87392	33.71	MAv1	34.2	-31.6	.17	36.48	54	-17.52	-	-	71	174	H
* 4.87322	42.87	PK2	34.2	-31.6	0	45.47	-	-	74	-28.53	349	122	V
* 4.87352	30.92	MAv1	34.2	-31.6	.17	33.69	54	-20.31	-	-	349	122	V
* 7.30445	43.88	PK2	35.8	-27.6	0	52.08	-	-	74	-21.92	70	222	H
* 7.30961	29.99	MAv1	35.8	-27.5	.17	38.46	54	-15.54	-	-	70	222	H
* 7.30441	45.11	PK2	35.8	-27.6	0	53.31	-	-	74	-20.69	346	201	V
* 7.30941	31.15	MAv1	35.8	-27.5	.17	39.62	54	-14.38	-	-	346	201	V
9.7481	36.2	PK2	37.2	-23.8	0	49.6	-	-	74	-24.4	75	340	H
9.7479	37.39	PK2	37.2	-23.8	0	50.79	-	-	74	-23.21	39	100	V

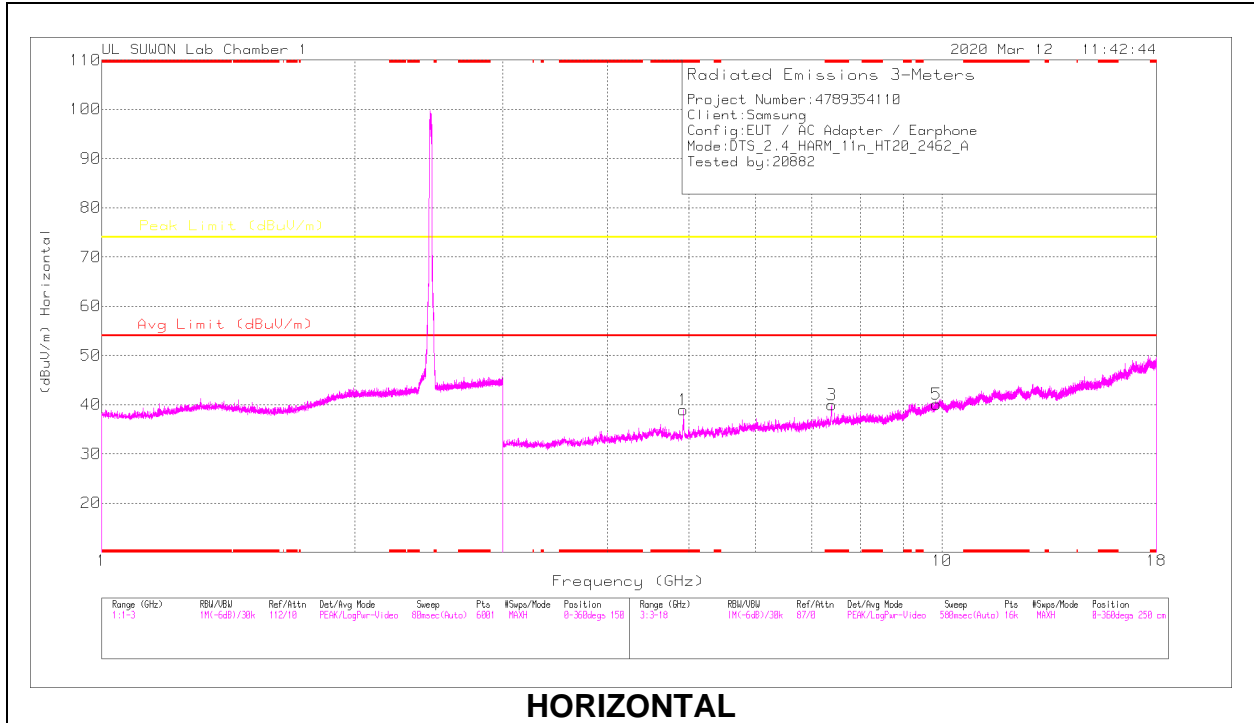
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

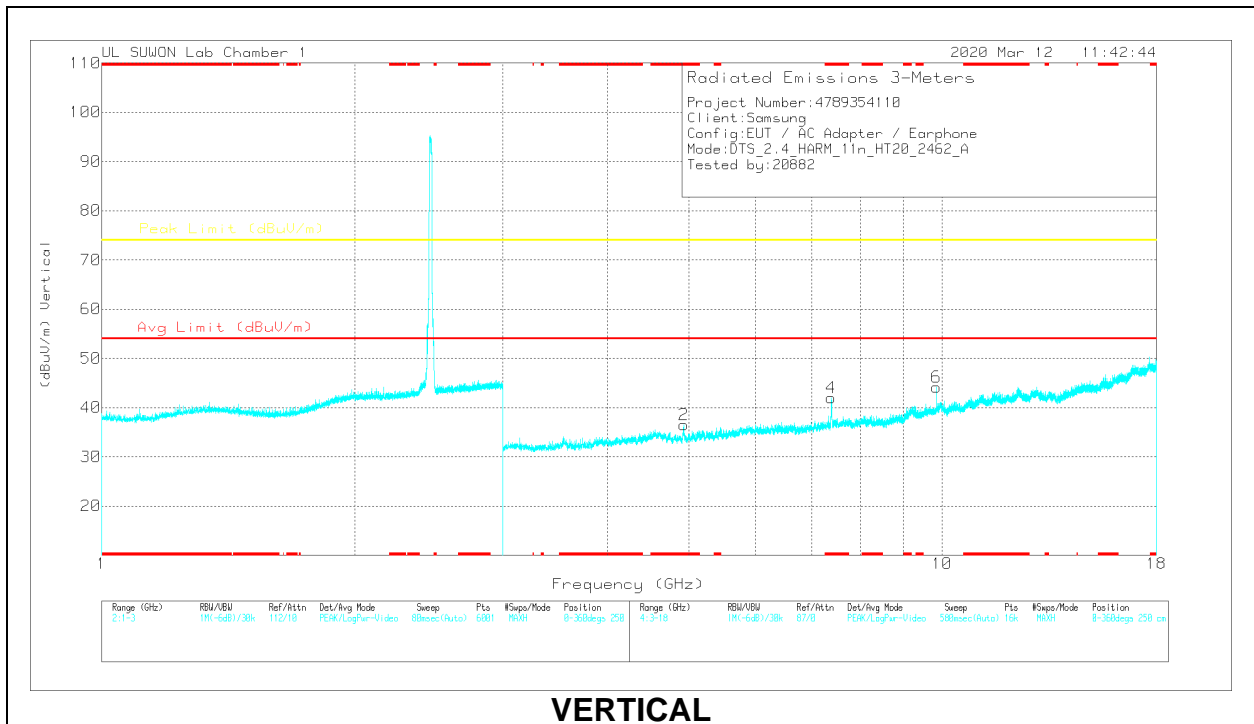
MAv1 - KDB558074 Option 1 Maximum RMS Average



### 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**

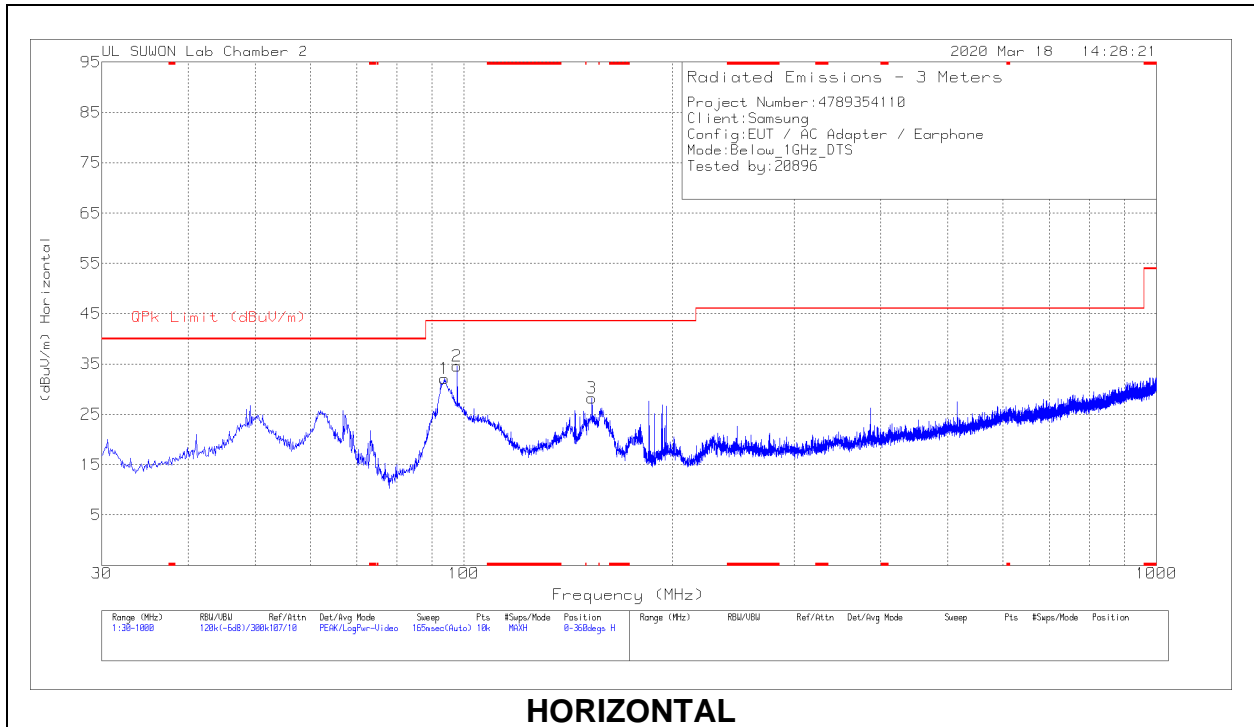
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.92681	48.33	PK2	34.2	-31.6	0	50.93	-	-	74	-23.07	68	187	H
* 4.92433	35.37	MAv1	34.2	-31.6	.17	38.14	54	-15.86	-	-	68	187	H
* 4.92679	43.62	PK2	34.2	-31.6	0	46.22	-	-	74	-27.78	325	113	V
* 4.92427	31.39	MAv1	34.2	-31.6	.17	34.16	54	-19.84	-	-	325	113	V
* 7.37949	42.43	PK2	35.8	-27	0	51.23	-	-	74	-22.77	106	101	H
* 7.38445	28.49	MAv1	35.8	-26.9	.17	37.56	54	-16.44	-	-	106	101	H
* 7.37949	45	PK2	35.8	-27	0	53.8	-	-	74	-20.2	346	198	V
* 7.38417	31.15	MAv1	35.8	-26.9	.17	40.22	54	-13.78	-	-	346	198	V
9.84803	35.42	PK2	37.4	-23.1	0	49.72	-	-	74	-24.28	72	335	H
9.84799	36.88	PK2	37.4	-23.1	0	51.18	-	-	74	-22.82	37	100	V

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

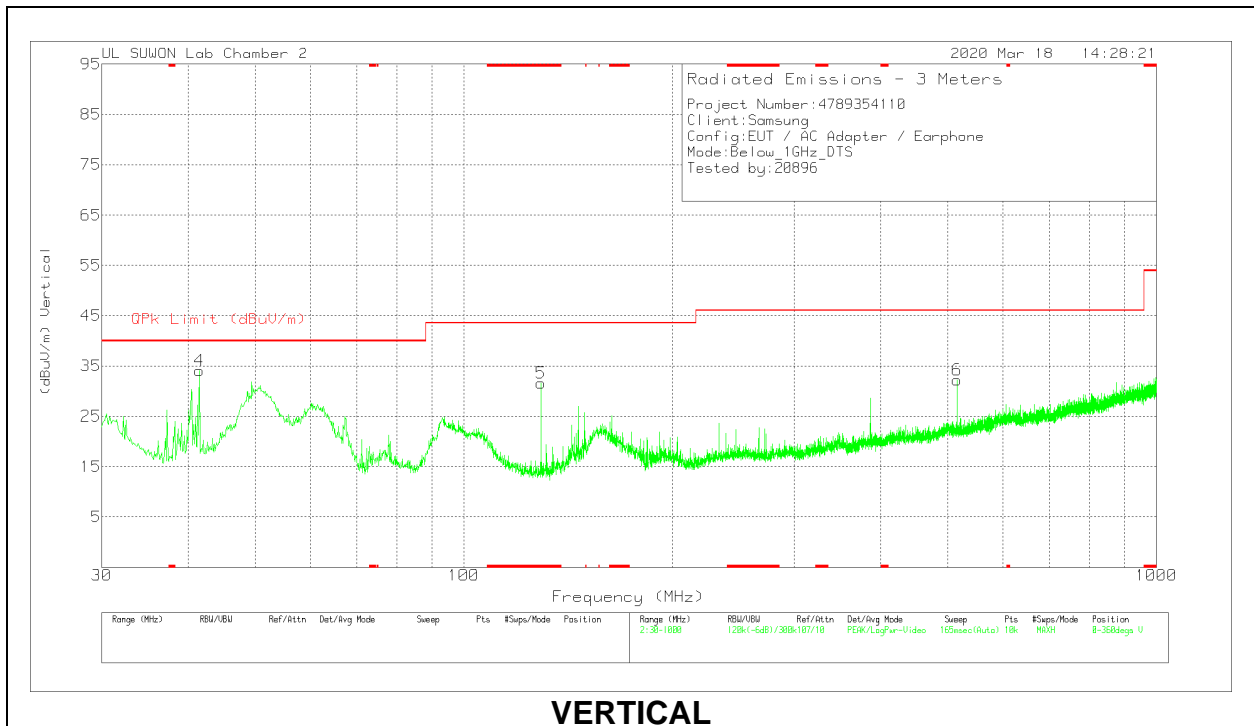
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 10.2. 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	93.729	46.65	Pk	16.9	-31.4	0	32.15	43.52	-11.37	0-360	300	H
2	97.803	48.34	Pk	17.6	-31.4	0	34.54	43.52	-8.98	0-360	200	H
3	153.093	45.07	Pk	14.2	-31	0	28.27	43.52	-15.25	0-360	100	H
4	41.543	46.8	Pk	19.1	-31.8	0	34.1	40	-5.9	0-360	100	V
5	* 129.231	48.42	Pk	14.4	-31.2	0	31.62	43.52	-11.9	0-360	100	V
6	515.097	38.84	Pk	23.2	-29.8	0	32.24	46.02	-13.78	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.

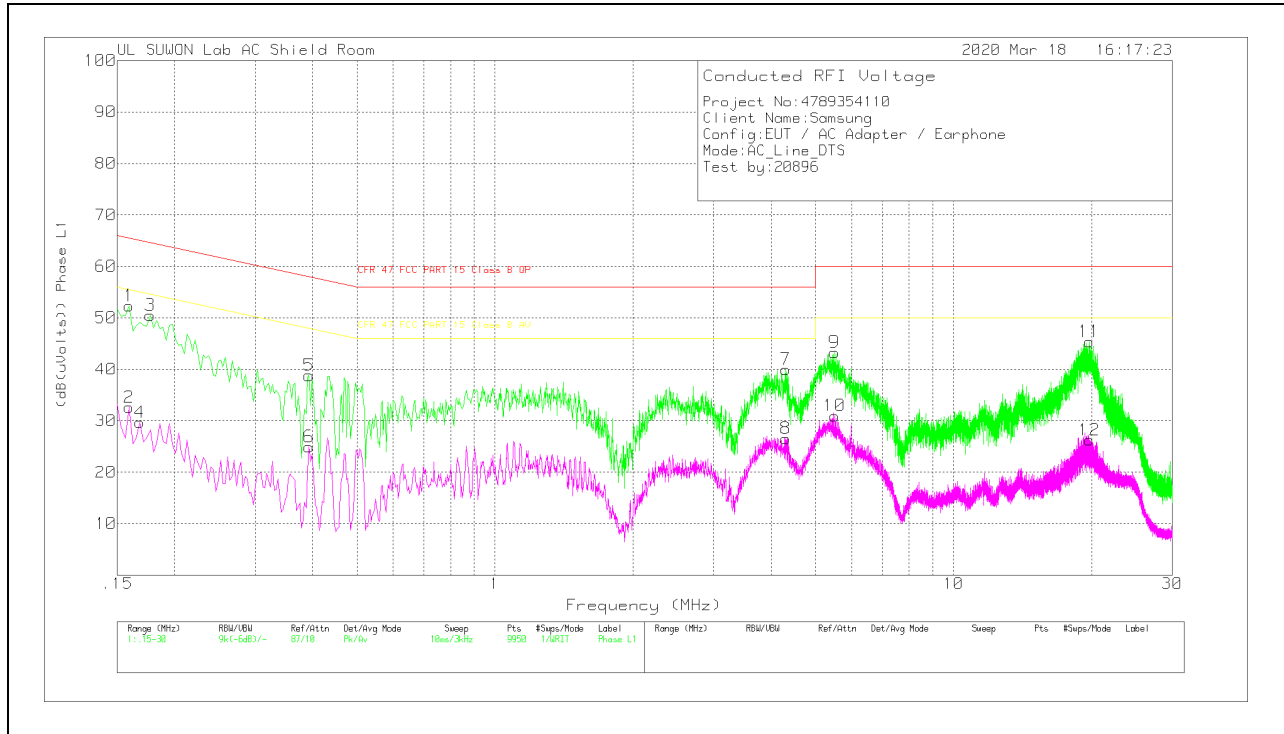
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

11.1.1. AC Power Line

LINE 1 RESULTS

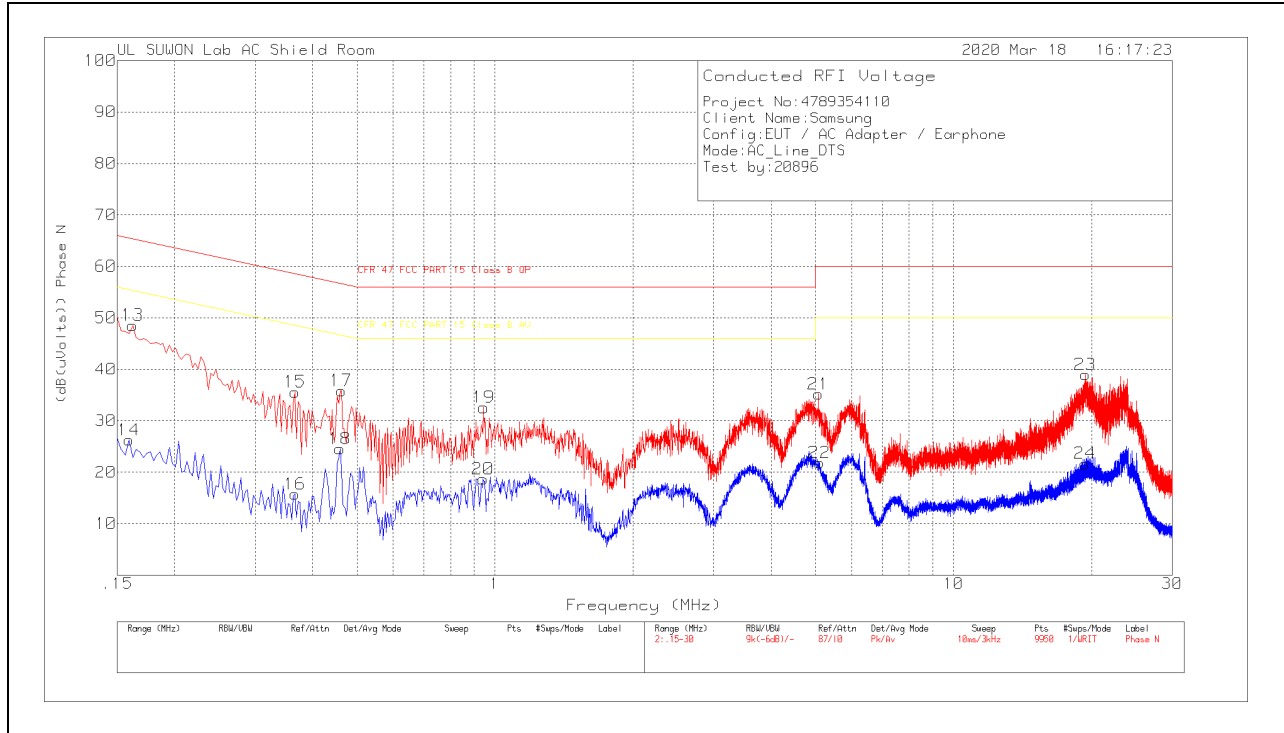


Range 1: Phase L1 .15 - 30MHz

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	.159	42.33	Pk	9.9	.1	52.33	65.52	-13.19	-	-
2	.159	22.61	Av	9.9	.1	32.61	-	-	55.52	-22.91
3	.177	40.3	Pk	10	.2	50.5	64.63	-14.13	-	-
4	.168	19.57	Av	10	.1	29.67	-	-	55.06	-25.39
5	.393	28.71	Pk	9.9	.2	38.81	58	-19.19	-	-
6	.393	14.84	Av	9.9	.2	24.94	-	-	48	-23.06
7	4.308	29.88	Pk	9.8	.3	39.98	56	-16.02	-	-
8	4.311	16.45	Av	9.8	.3	26.55	-	-	46	-19.45
9	5.499	33.18	Pk	9.8	.3	43.28	60	-16.72	-	-
10	5.502	20.86	Av	9.8	.3	30.96	-	-	50	-19.04
11	19.761	34.65	Pk	10.3	.4	45.35	60	-14.65	-	-
12	19.764	15.54	Av	10.3	.4	26.24	-	-	50	-23.76

Pk - Peak detector  
 Av - Average detection

**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	.162	38.44	Pk	10	.1	48.54	65.36	-16.82	-	-
14	.159	16.26	Av	9.9	.1	26.26	-	-	55.52	-29.26
15	.366	25.5	Pk	9.9	.2	35.6	58.59	-22.99	-	-
16	.366	5.62	Av	9.9	.2	15.72	-	-	48.59	-32.87
17	.462	25.72	Pk	9.9	.2	35.82	56.66	-20.84	-	-
18	.459	14.42	Av	9.9	.2	24.52	-	-	46.71	-22.19
19	.945	22.47	Pk	9.8	.3	32.57	56	-23.43	-	-
20	.942	8.55	Av	9.8	.3	18.65	-	-	46	-27.35
21	5.076	25.06	Pk	9.8	.3	35.16	60	-24.84	-	-
22	5.1	11.75	Av	9.8	.3	21.85	-	-	50	-28.15
23	19.383	28.27	Pk	10.3	.4	38.97	60	-21.03	-	-
24	19.359	10.98	Av	10.3	.4	21.68	-	-	50	-28.32

Pk - Peak detector  
 Av - Average detection

**END OF TEST REPORT**