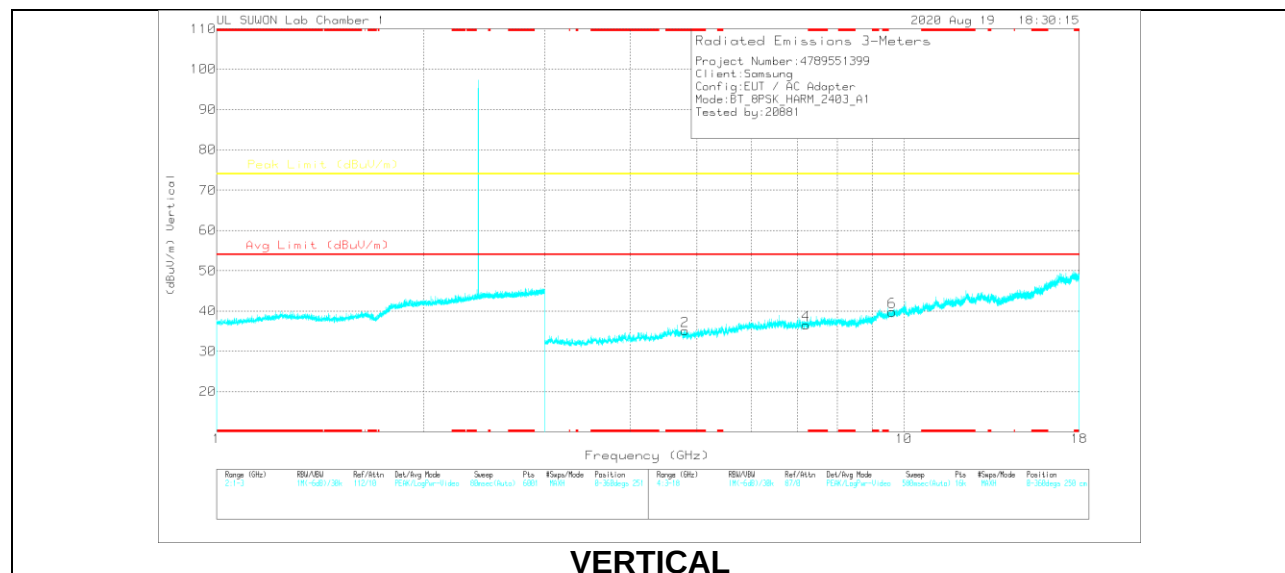
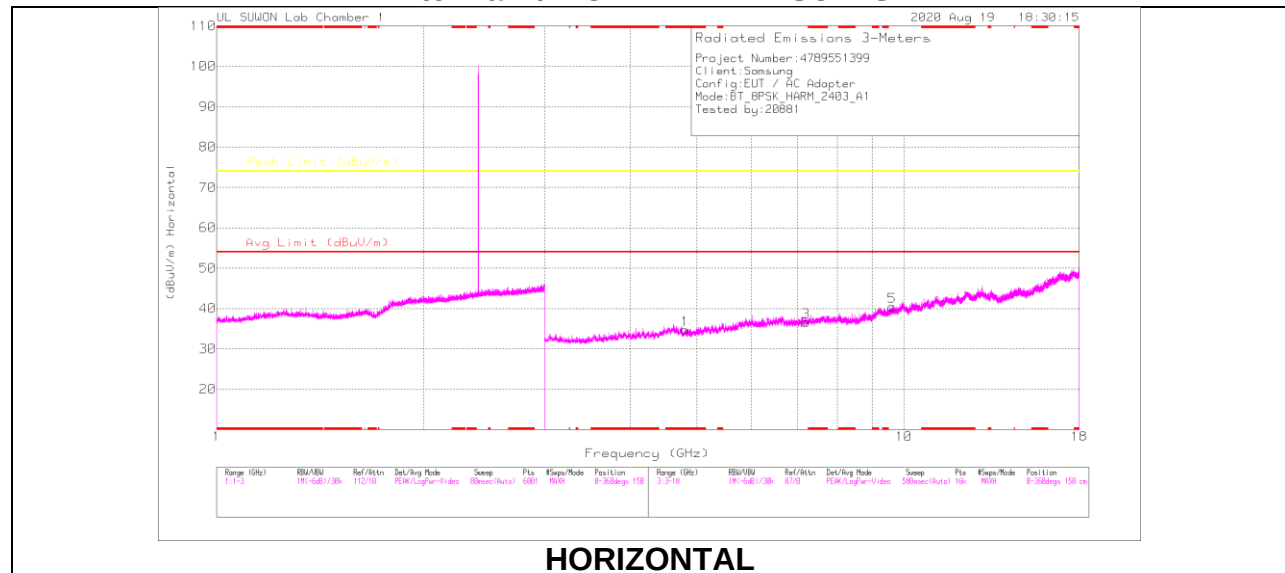


HARMONICS AND SPURIOUS EMISSIONS

Antenna 2 / 1 CHANNEL RESULTS



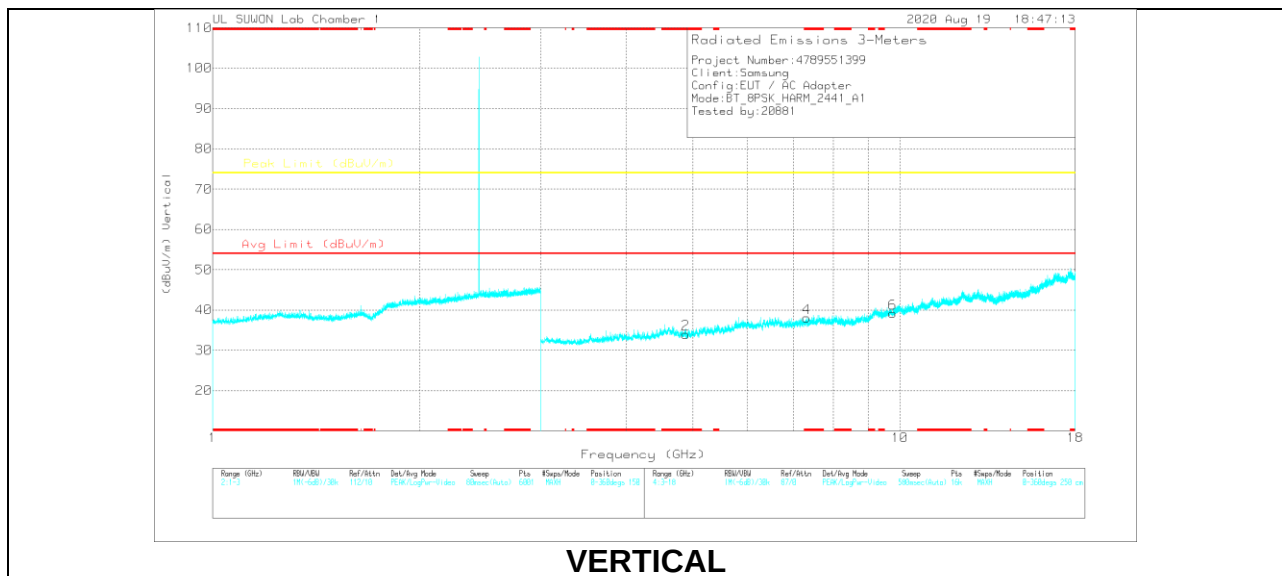
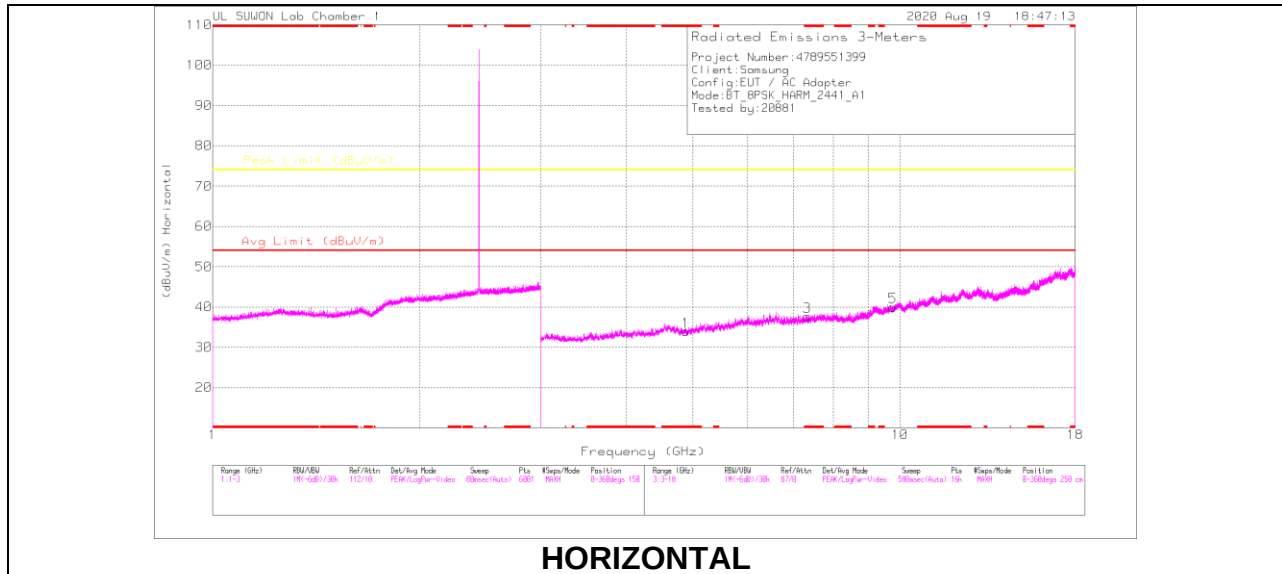
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80484	39.73	PKFH	34.2	-31.5	42.43	-	-	74	-31.57	360	100	H
* 4.80702	39.64	PKFH	34.2	-31.6	42.24	-	-	74	-31.76	360	100	V
7.20871	35.82	PKFH	35.9	-27.9	43.82	-	-	74	-30.18	360	100	H
7.21064	36.79	PKFH	35.9	-27.9	44.79	-	-	74	-29.21	360	100	V
9.61095	33.95	PKFH	36.8	-23.2	47.55	-	-	74	-26.45	360	100	H
9.61088	33.05	PKFH	36.8	-23.2	46.65	-	-	74	-27.35	360	100	V

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

PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak

Antenna 2 / 39 CHANNEL RESULTS



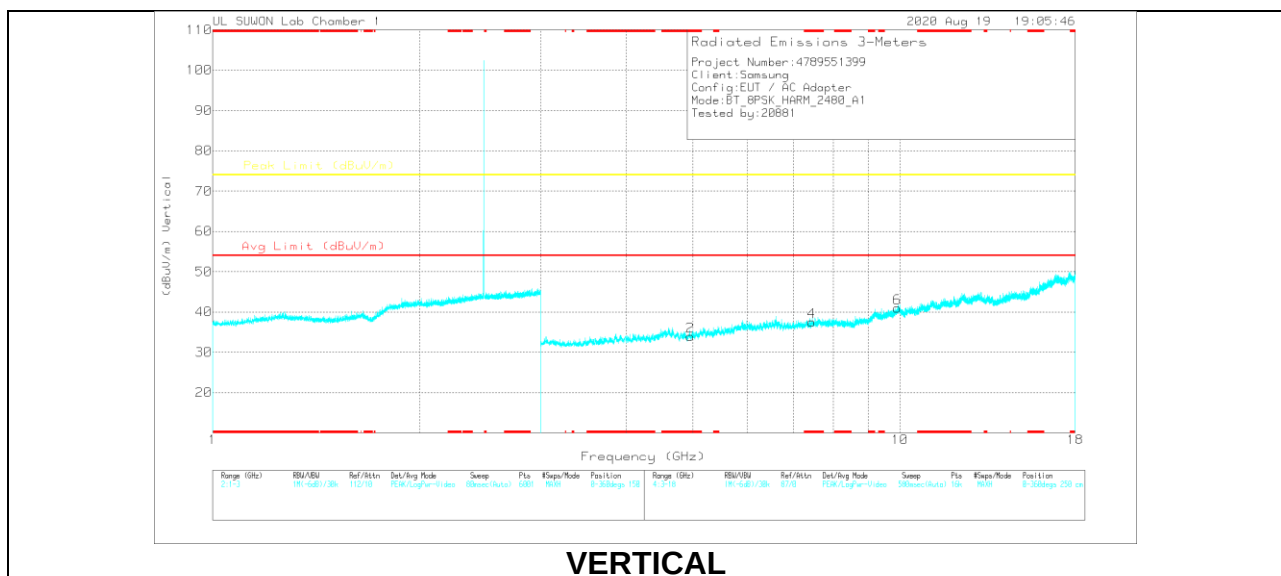
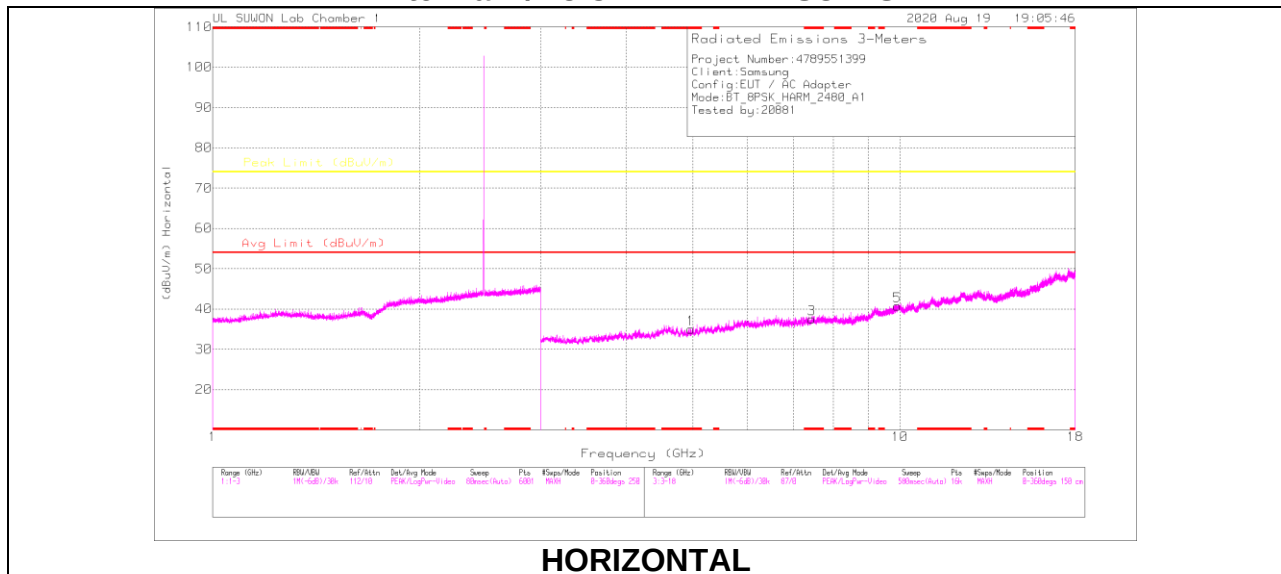
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	3GHz_HP(dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.88082	38.96	PKFH	34.1	-31.6	41.46	-	-	74	-32.54	360	100	H
* 4.88034	39.6	PKFH	34.1	-31.7	42	-	-	74	-32	360	100	V
* 7.32122	35.8	PKFH	35.9	-27.2	44.5	-	-	74	-29.5	360	100	H
* 7.32372	36.16	PKFH	35.9	-27.2	44.86	-	-	74	-29.14	360	100	V
9.76533	33	PKFH	37	-23.9	46.1	-	-	74	-27.9	360	100	H
9.76523	33.27	PKFH	37	-23.9	46.37	-	-	74	-27.63	360	100	V

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

PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak

Antenna 2 / 78 CHANNEL RESULTS



RADIATED EMISSIONS

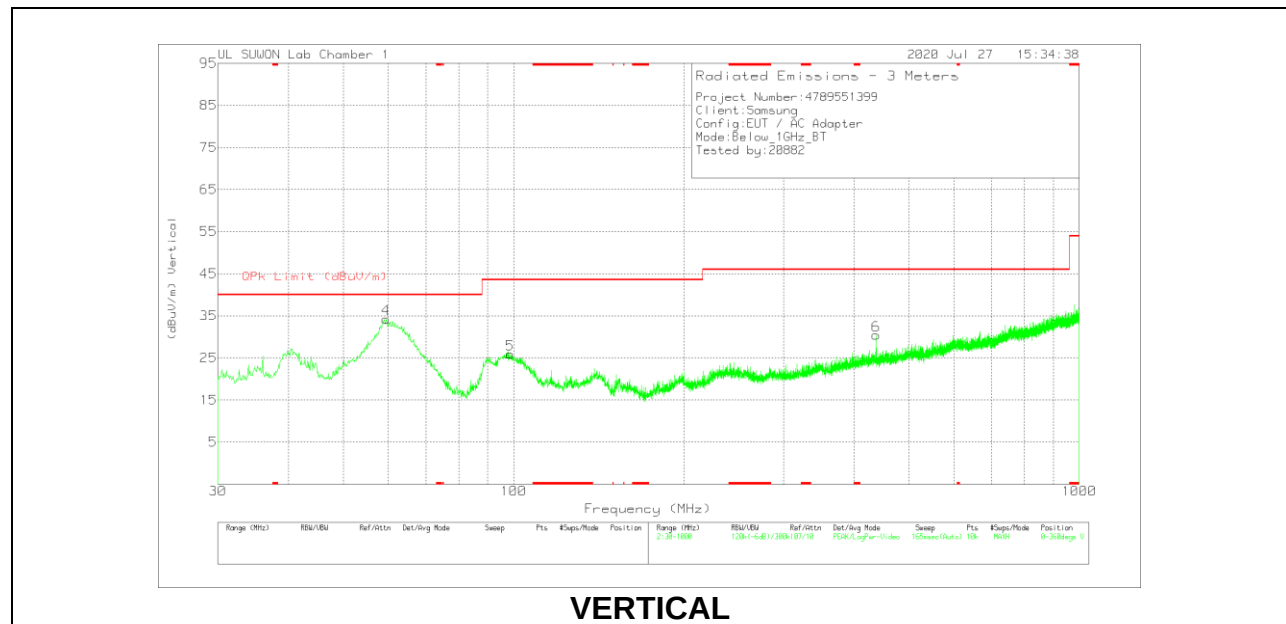
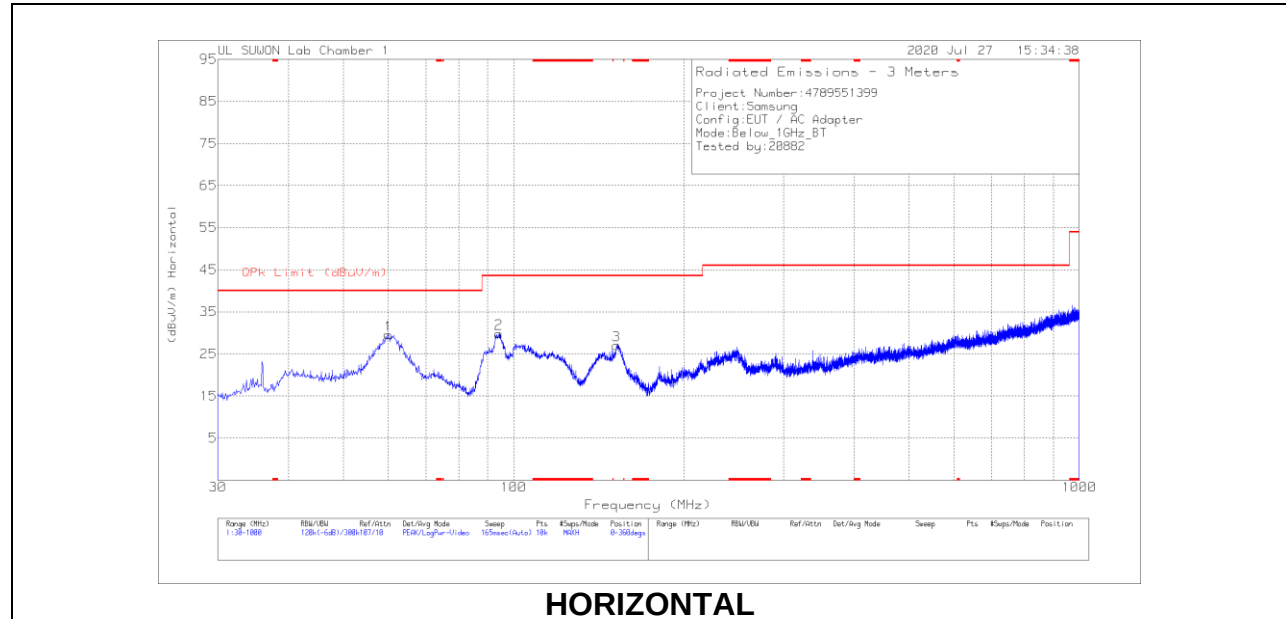
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.95999	39.45	PKFH	34.1	-31.6	41.95	-	-	74	-32.05	360	100	H
* 4.96163	38.58	PKFH	34.1	-31.6	41.08	-	-	74	-32.92	360	100	V
* 7.44097	36.37	PKFH	35.9	-27.1	45.17	-	-	74	-28.83	360	100	H
* 7.43902	36.28	PKFH	35.9	-27.1	45.08	-	-	74	-28.92	360	100	V
9.91806	32.47	PKFH	37.2	-22.1	47.57	-	-	74	-26.43	360	100	H
9.92	32.15	PKFH	37.2	-22	47.35	-	-	74	-26.65	360	100	V

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

PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak

10.2. WORST CASE BELOW 1 GHZ

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	60.07	41.26	Pk	18.5	-30.2	29.56	40	-10.44	0-360	200	H
2	94.214	42.56	Pk	17.1	-29.8	29.86	43.52	-13.66	0-360	200	H
3	152.026	41.96	Pk	14.1	-29	27.06	43.52	-16.46	0-360	200	H
4	59.488	44.97	Pk	18.6	-29.3	34.27	40	-5.73	0-360	100	V
5	98.579	36.78	Pk	17.8	-28.7	25.88	43.52	-17.64	0-360	100	V
6	437.594	34.3	Pk	22	-25.9	30.4	46.02	-15.62	0-360	100	V

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 C63.4.

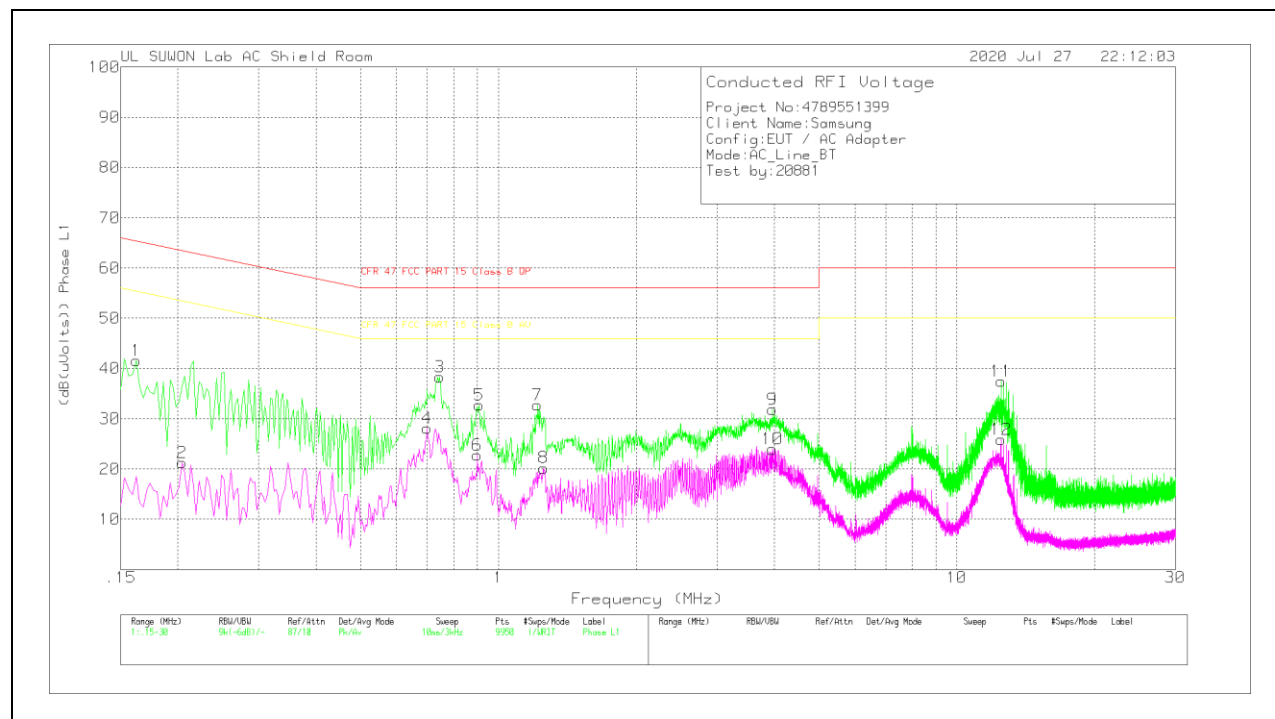
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line Host

LINE 1 RESULTS



Trace Markers

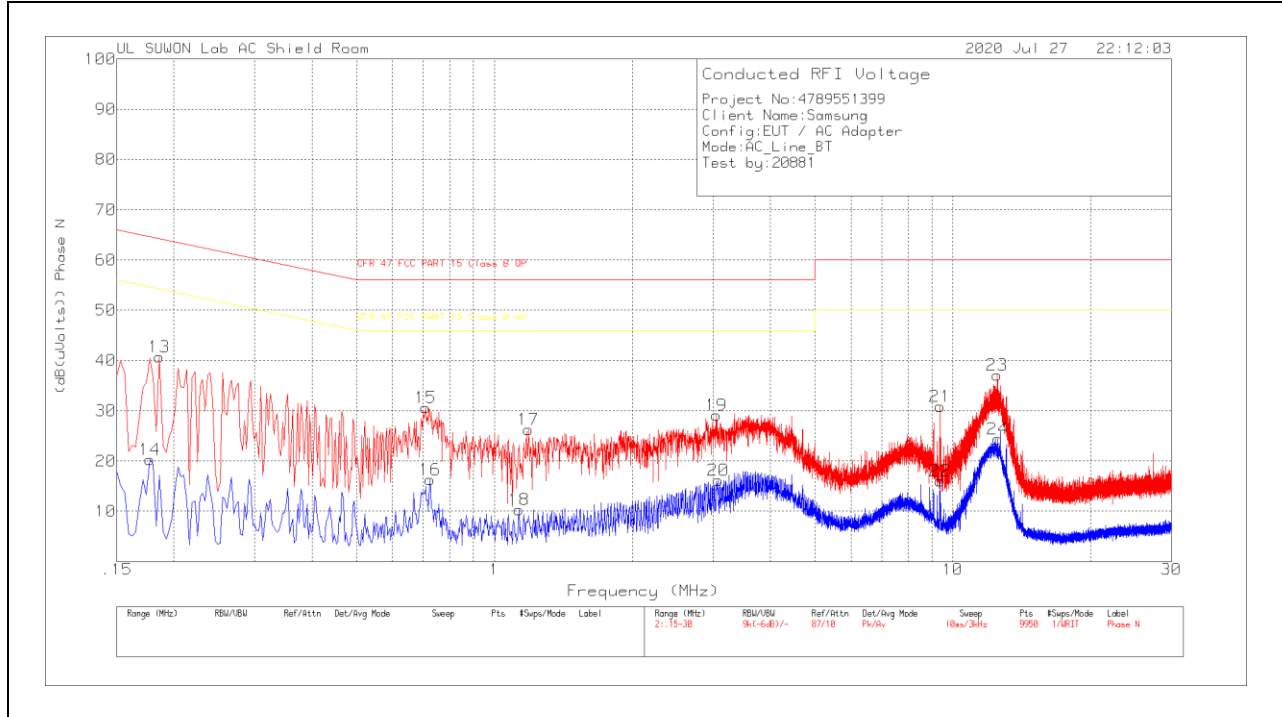
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h Ex_L1[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.162	31.53	Pk	10	.1	41.63	65.36	-23.73	-	-
2	.204	11.17	Av	9.9	.2	21.27	-	-	53.45	-32.18
3	.744	28.19	Pk	9.9	.2	38.29	56	-17.71	-	-
4	.699	18.02	Av	9.9	.2	28.12	-	-	46	-17.88
5	.909	22.66	Pk	9.8	.3	32.76	56	-23.24	-	-
6	.9	12.63	Av	9.8	.3	22.73	-	-	46	-23.27
7	1.218	22.68	Pk	9.8	.3	32.78	56	-23.22	-	-
8	1.257	10.11	Av	9.8	.3	20.21	-	-	46	-25.79
9	3.96	21.79	Pk	9.8	.3	31.89	56	-24.11	-	-
10	3.96	13.85	Av	9.8	.3	23.95	-	-	46	-22.05
11	12.486	27.13	Pk	10	.3	37.43	60	-22.57	-	-
12	12.486	15.59	Av	10	.3	25.89	-	-	50	-24.11

Pk - Peak detector

Av - Average detection

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_N[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
13	.186	30.55	Pk	10	.2	40.75	64.21	-23.46	-	-
14	.177	10.1	Av	10	.2	20.3	-	-	54.63	-34.33
15	.708	20.56	Pk	9.9	.2	30.66	56	-25.34	-	-
16	.723	6.22	Av	9.9	.2	16.32	-	-	46	-29.68
17	1.185	16.11	Pk	9.8	.3	26.21	56	-29.79	-	-
18	1.131	.2	Av	9.8	.3	10.3	-	-	46	-35.7
19	3.051	18.99	Pk	9.8	.3	29.09	56	-26.91	-	-
20	3.078	6.1	Av	9.8	.3	16.2	-	-	46	-29.8
21	9.378	20.55	Pk	9.9	.4	30.85	60	-29.15	-	-
22	9.378	5.74	Av	9.9	.4	16.04	-	-	50	-33.96
23	12.516	26.75	Pk	10.1	.3	37.15	60	-22.85	-	-
24	12.531	14.02	Av	10.1	.3	24.42	-	-	50	-25.58

Pk - Peak detector

Av - Average detection

END OF TEST REPORT