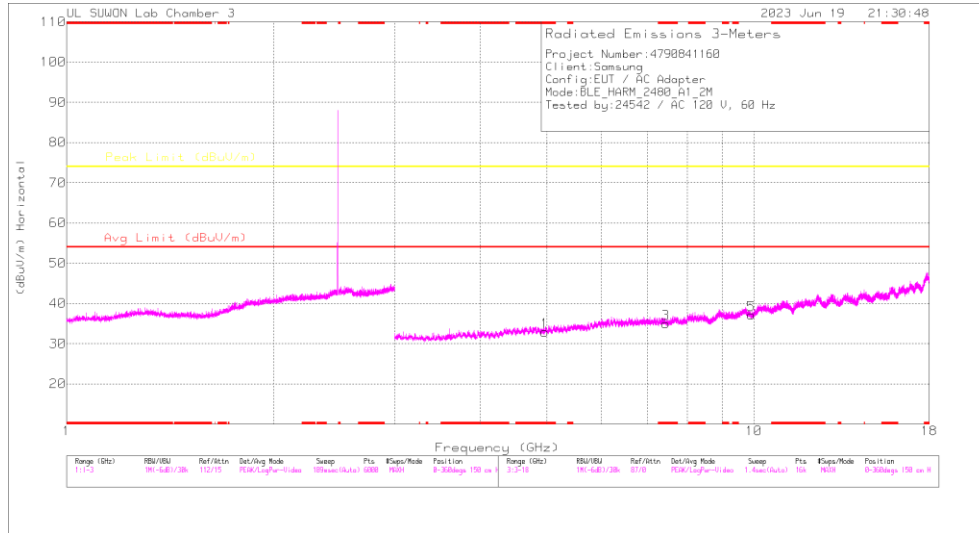
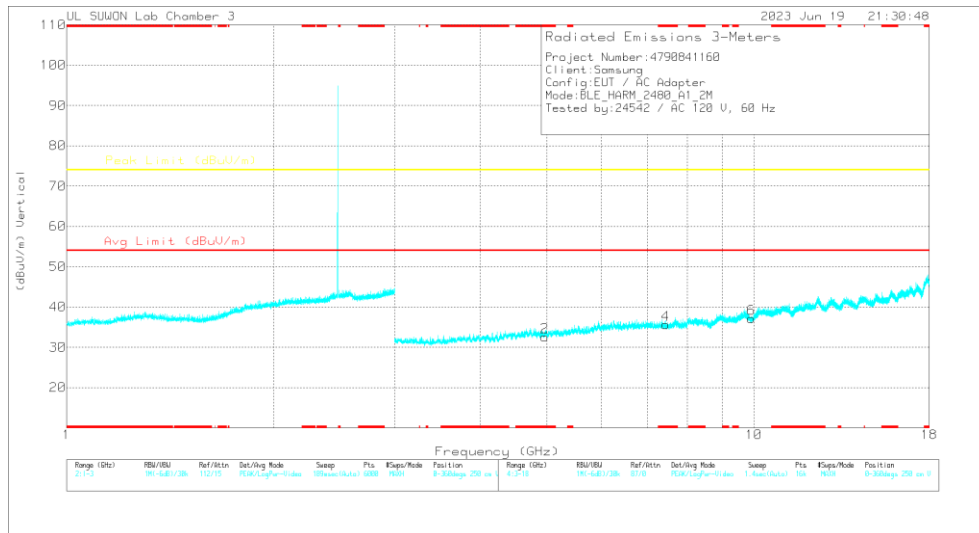


39 CHANNEL RESULTS



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

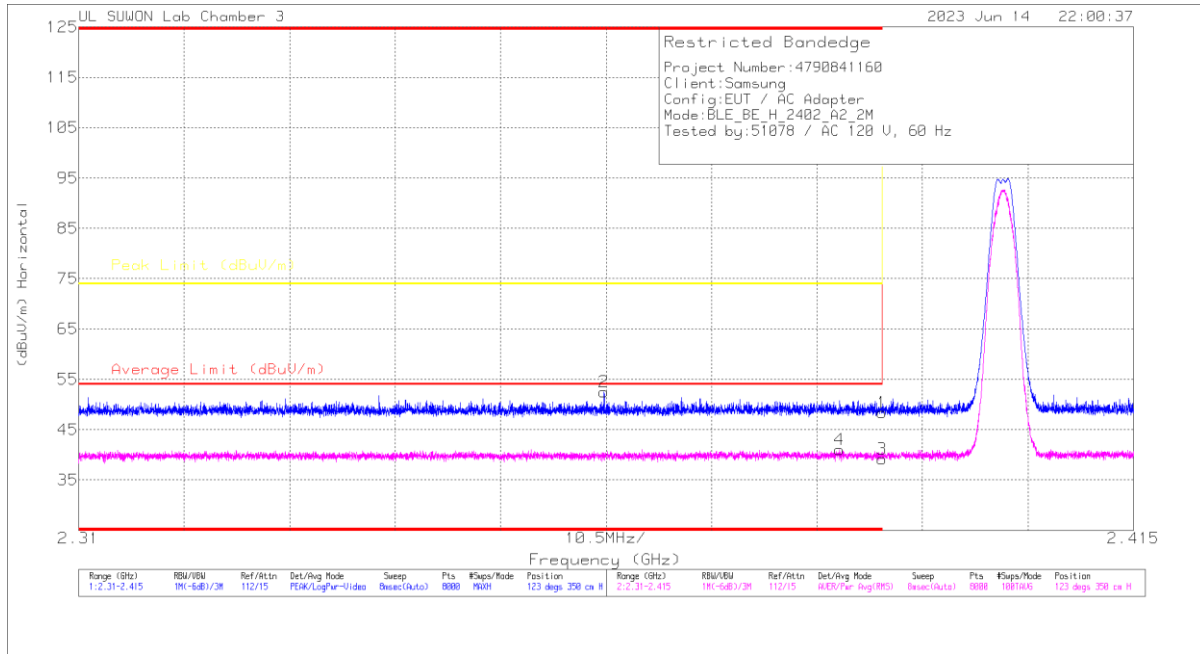
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.96904	39.33	PK2	34.3	-30.4	0	43.23	-	-	74	-30.77	0	100	H
* 4.96795	39.68	PK2	34.3	-30.4	0	43.58	-	-	74	-30.42	0	100	V
* 7.44901	35	PK2	35.7	-25.2	0	45.5	-	-	74	-28.5	0	100	H
* 7.43918	35.16	PK2	35.7	-25.1	0	45.76	-	-	74	-28.24	0	100	V
9.92162	31.43	PK2	37.1	-21.3	0	47.23	-	-	74	-26.77	0	100	H
9.9292	31.25	PK2	37.2	-21.4	0	47.05	-	-	74	-26.95	0	100	V

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

10.2.4. 2 Mbps ANT2

BANDEDGE (0 CHANNEL)

HORIZONTAL RESULT

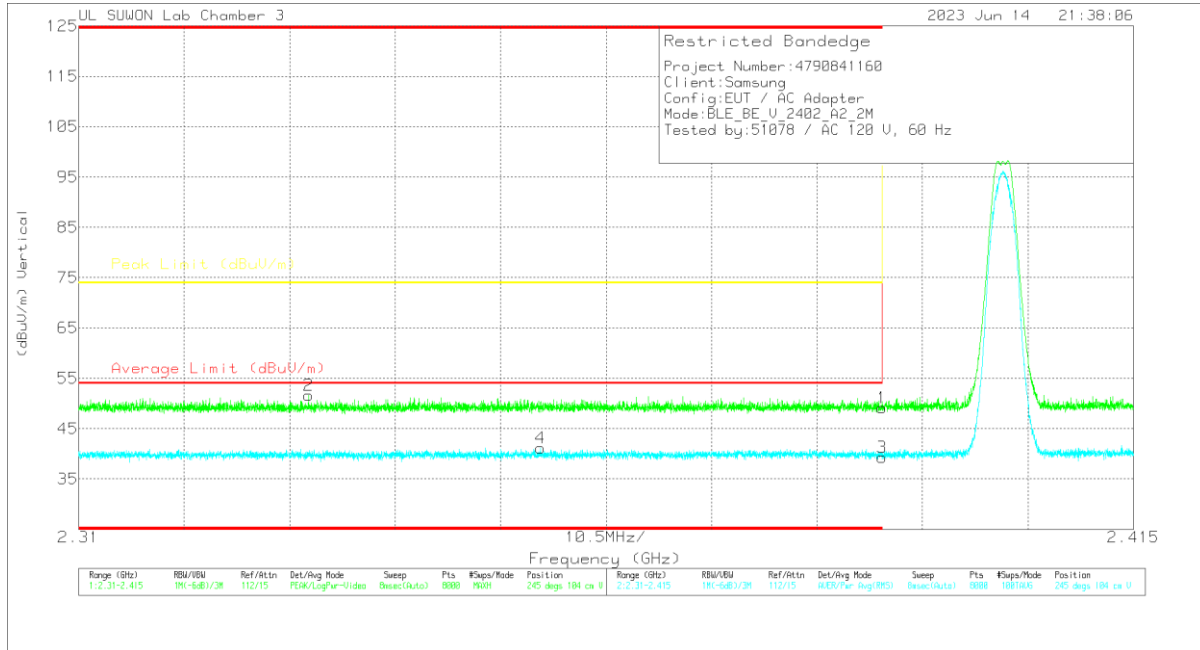


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	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	41.37	Pk	32.1	-25.1	0	48.37	-	-	74	-25.63	123	350	H
2	* 2.3823	45.67	Pk	32	-25.2	0	52.47	-	-	74	-21.53	123	350	H
3	* 2.39	30.97	RMS	32.1	-25.1	1.2	39.17	54	-14.83	-	-	123	350	H
4	* 2.38576	32.87	RMS	32.1	-25.1	1.2	41.07	54	-12.93	-	-	123	350	H

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

VERTICAL RESULT



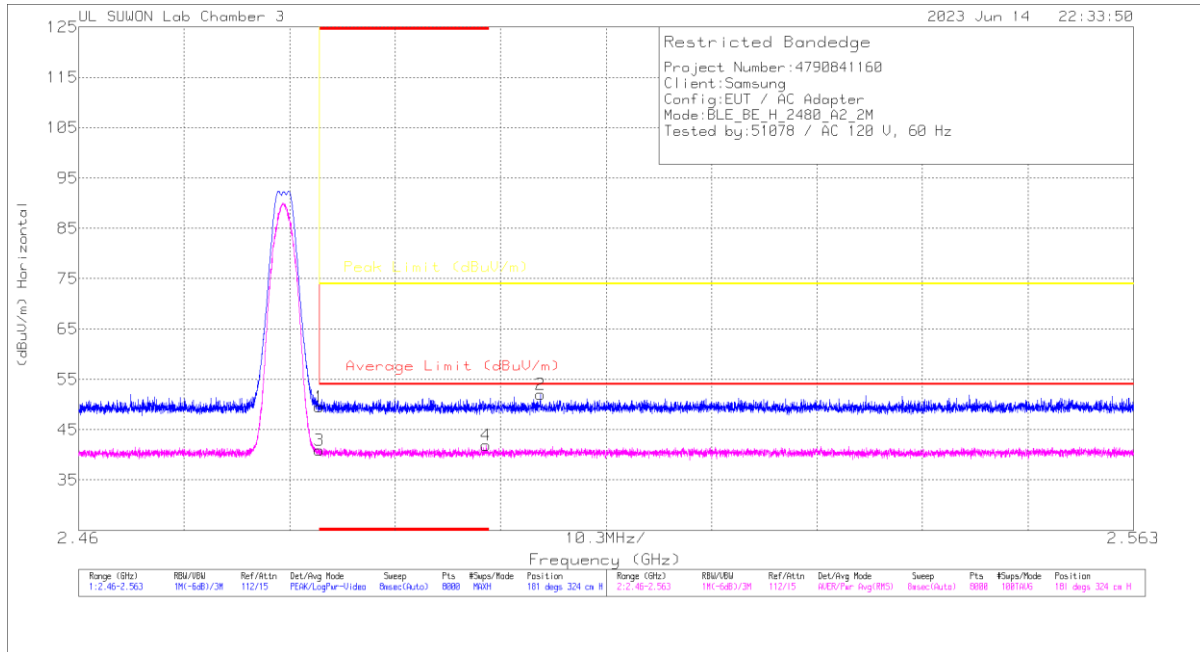
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00218957	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	42.18	Pk	32.1	-25.1	0	49.18	-	-	74	-24.82	245	104	V
2	* 2.33289	44.88	Pk	31.9	-25.2	0	51.58	-	-	74	-22.42	245	104	V
3	* 2.39	31.1	RMS	32.1	-25.1	1.2	39.3	54	-14.7	-	-	245	104	V
4	* 2.35597	33.08	RMS	32	-25.1	1.2	41.18	54	-12.82	-	-	245	104	V

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

BANDEDGE (39 CHANNEL)

HORIZONTAL RESULT

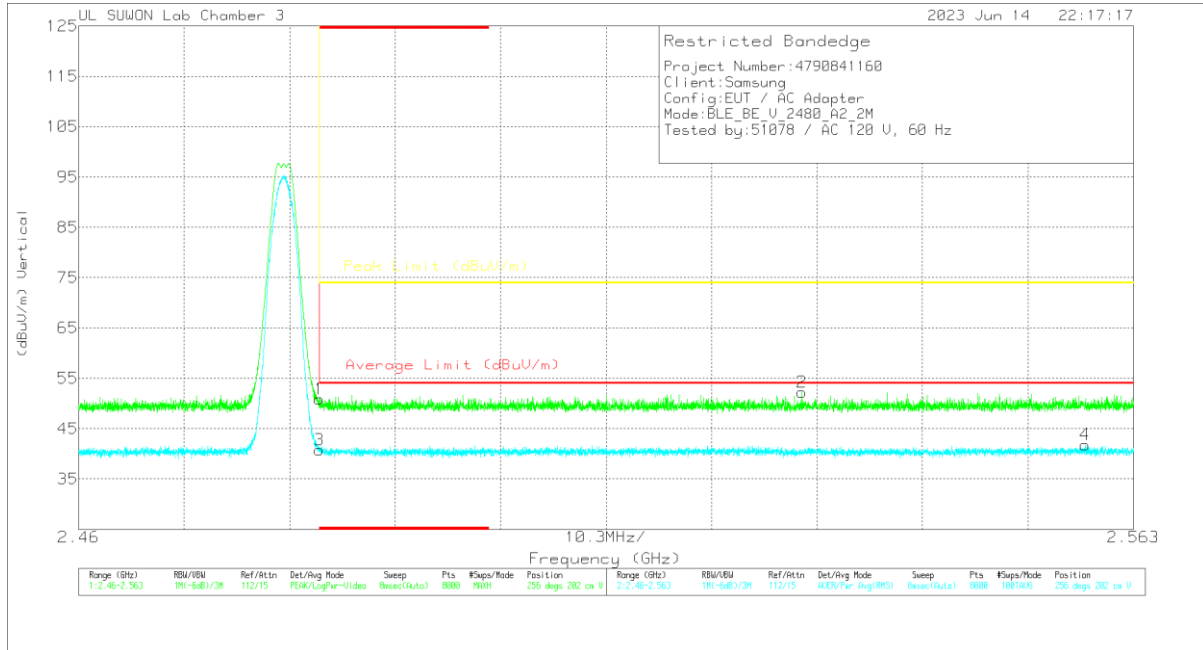


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	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	* 2.4835	42.07	PK	32.4	-25	0	49.47	-	-	74	-24.53	181	324	H
2	2.50508	44.54	PK	32.4	-24.9	0	52.04	-	-	74	-21.96	181	324	H
3	* 2.4835	32.28	RMS	32.4	-25	1.2	40.88	54	-13.12	-	-	181	324	H
4	* 2.4998	33.26	RMS	32.4	-25	1.2	41.86	54	-12.14	-	-	181	324	H

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

VERTICAL RESULT



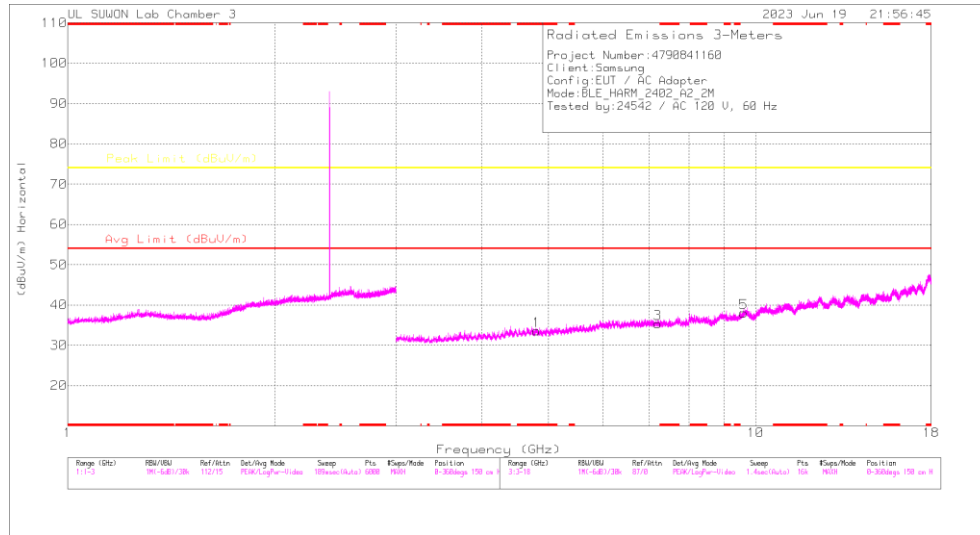
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	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	* 2.4835	43.44	Pk	32.4	-25	0	50.84	-	-	74	-23.16	256	202	V
2	2.53064	44.85	Pk	32.4	-25	0	52.25	-	-	74	-21.75	256	202	V
3	* 2.4835	32.14	RMS	32.4	-25	1.2	40.74	54	-13.26	-	-	256	202	V
4	2.5583	33.14	RMS	32.4	-24.9	1.2	41.84	54	-12.16	-	-	256	202	V

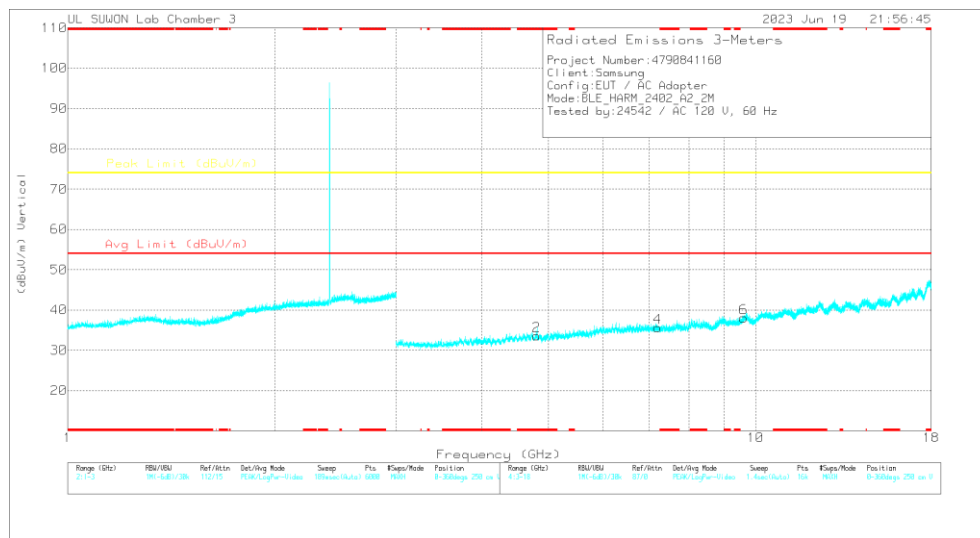
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

0 CHANNEL RESULTS



HORIZONTAL



VERTICAL

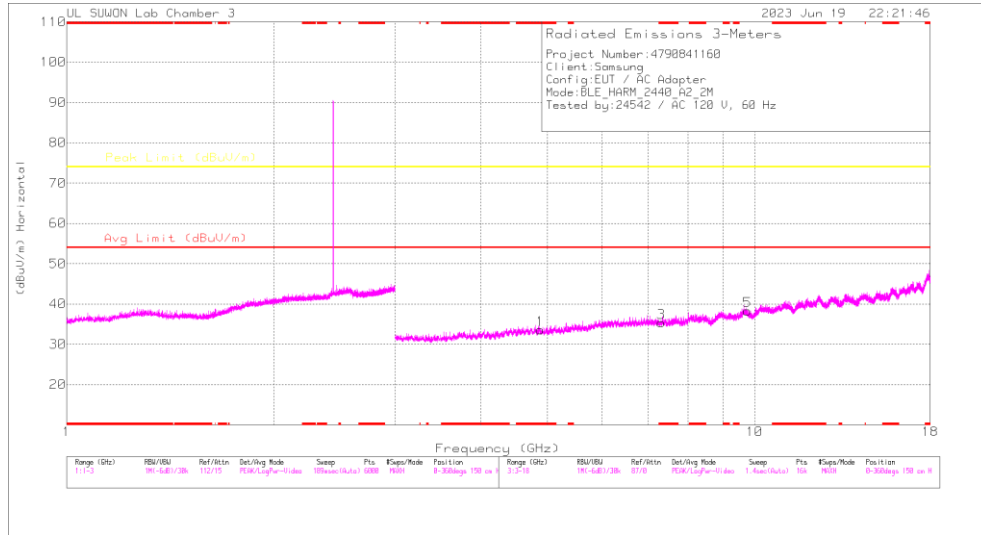
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

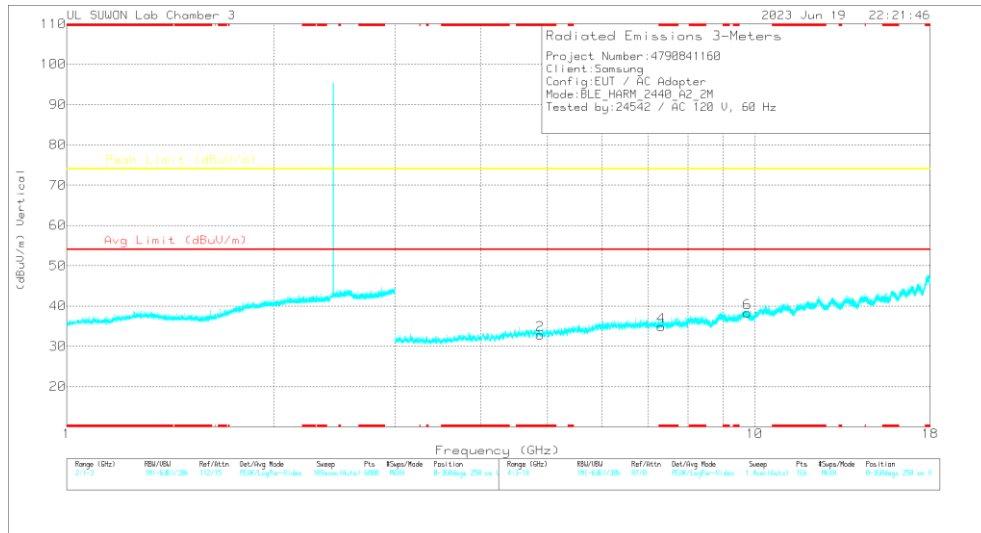
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.8039	39.54	PK2	34.3	-30.1	0	43.74	-	-	74	-30.26	0	100	H
* 4.7969	39.61	PK2	34.3	-30.1	0	43.81	-	-	74	-30.19	0	100	V
7.20512	35.44	PK2	35.8	-25.8	0	45.44	-	-	74	-28.56	0	100	H
7.19708	35.51	PK2	35.8	-25.9	0	45.41	-	-	74	-28.59	0	100	V
9.60516	32.34	PK2	36.7	-21.6	0	47.44	-	-	74	-26.56	0	100	H
9.59916	32.38	PK2	36.7	-21.6	0	47.48	-	-	74	-26.52	0	100	V

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

19 CHANNEL RESULTS



HORIZONTAL



VERTICAL

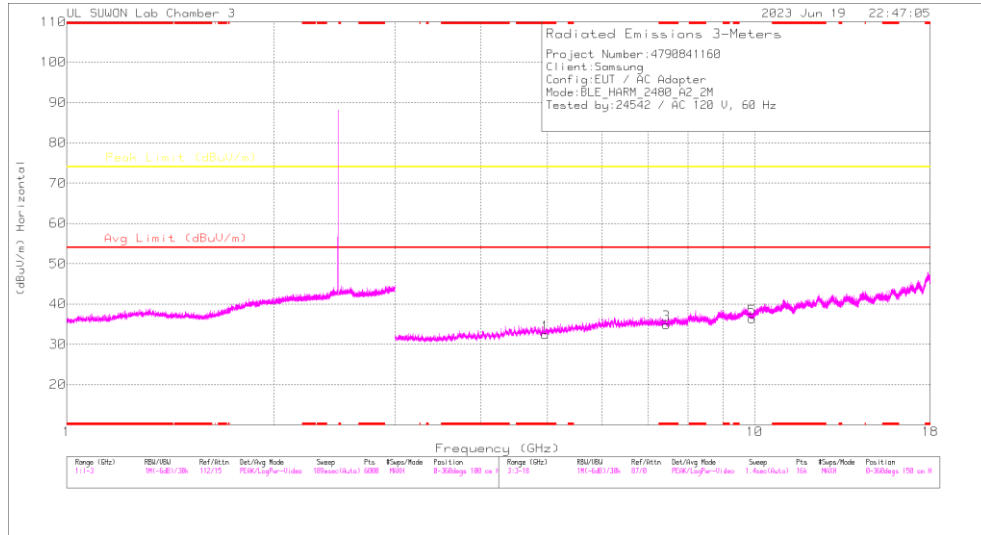
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

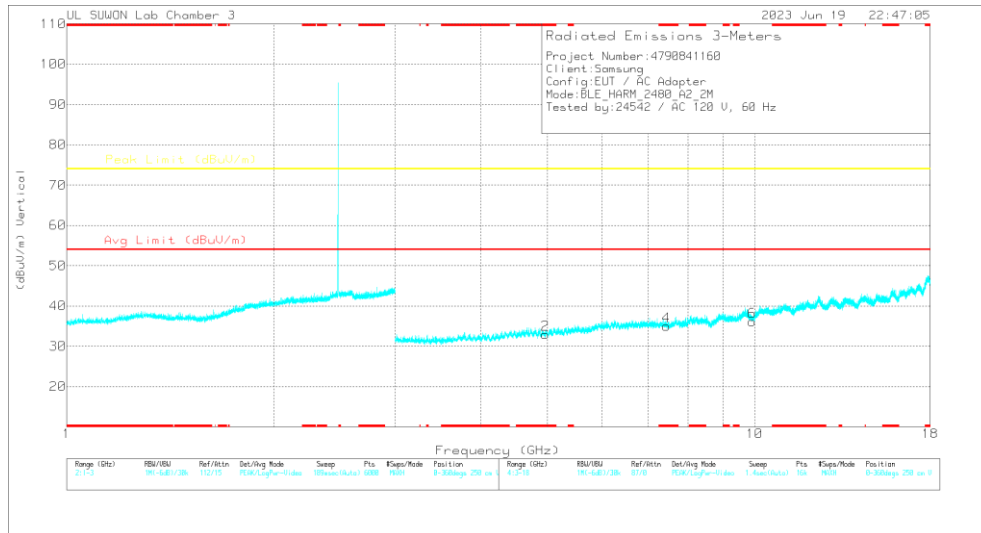
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87691	40.35	PK2	34.2	-30.8	0	43.75	-	-	74	-30.25	0	100	H
* 4.87877	39.66	PK2	34.2	-30.8	0	43.06	-	-	74	-30.94	0	100	V
* 7.31515	35.33	PK2	35.8	-25.5	0	45.63	-	-	74	-28.37	0	100	H
* 7.31115	35.2	PK2	35.8	-25.5	0	45.5	-	-	74	-28.5	0	100	V
9.75295	31.77	PK2	36.9	-21.2	0	47.47	-	-	74	-26.53	0	100	H
9.76716	32.12	PK2	36.9	-21.2	0	47.82	-	-	74	-26.18	0	100	V

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

39 CHANNEL 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.

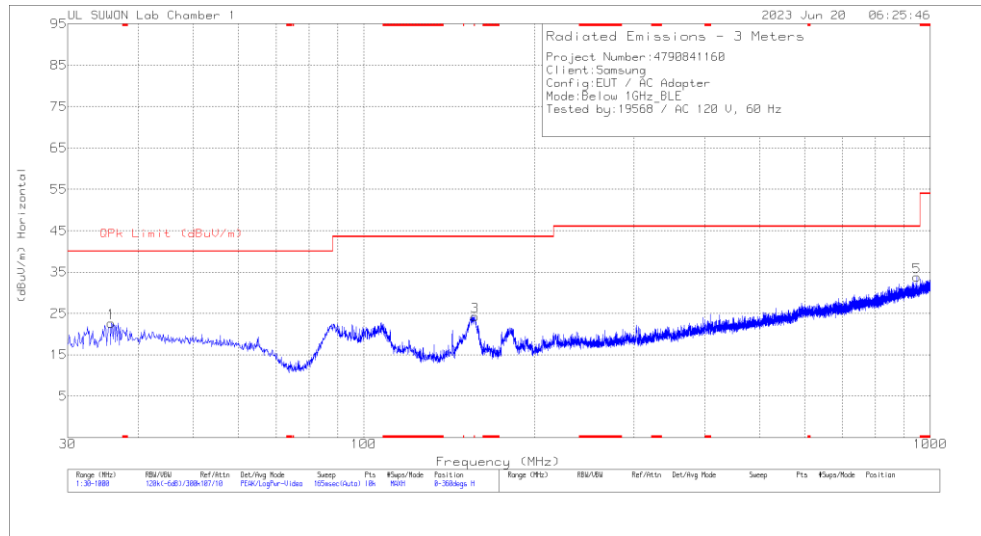
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	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
* 4.96852	39.33	PK2	34.3	-30.4	0	43.23	-	-	74	-30.77	0	100	H
* 4.96801	40.2	PK2	34.3	-30.6	0	43.9	-	-	74	-30.1	0	100	V
* 7.43528	34.92	PK2	35.7	-25.1	0	45.52	-	-	74	-28.48	0	100	H
* 7.43939	35.04	PK2	35.7	-25.1	0	45.64	-	-	74	-28.36	0	100	V
9.91915	31.46	PK2	37.1	-21.3	0	47.26	-	-	74	-26.74	0	100	H
9.91294	31.79	PK2	37.1	-21.2	0	47.69	-	-	74	-26.31	0	100	V

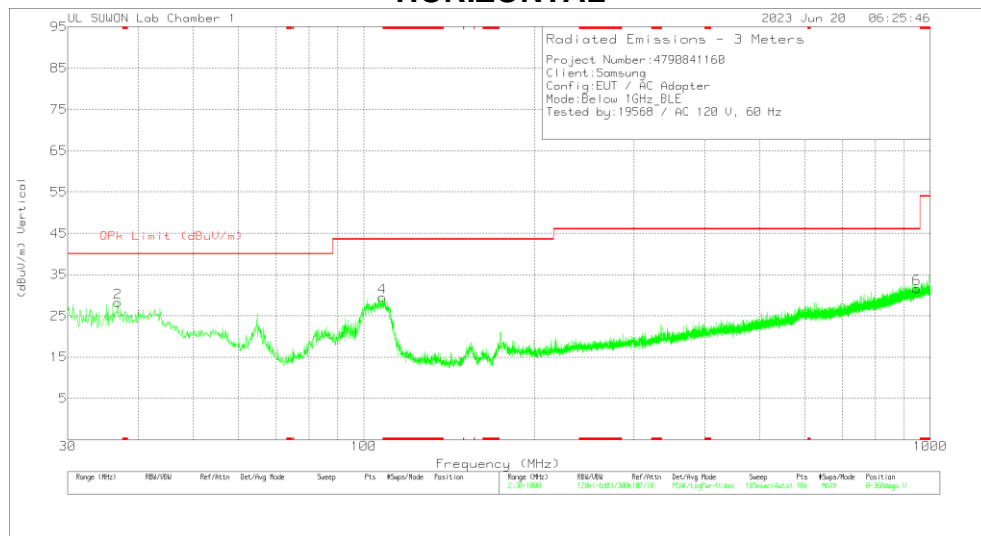
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak

10.3. WORST CASE BELOW 1 GHz

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



HORIZONTAL



VERTICAL

Trace Markers

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	35.82	37.11	Pk	16.8	-31.2	22.71	40	-17.29	0-360	100	H
3	157.07	39.77	Pk	14.1	-29.6	24.27	43.52	-19.25	0-360	100	H
5	947.329	31.5	Pk	27	-24.7	33.8	46.02	-12.22	0-360	200	H
2	36.79	42.24	Pk	17.3	-31.3	28.24	40	-11.76	0-360	200	V
4	107.891	42.08	Pk	17.4	-30	29.48	43.52	-14.04	0-360	200	V
6	947.329	29.24	Pk	27	-24.7	31.54	46.02	-14.48	0-360	300	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.

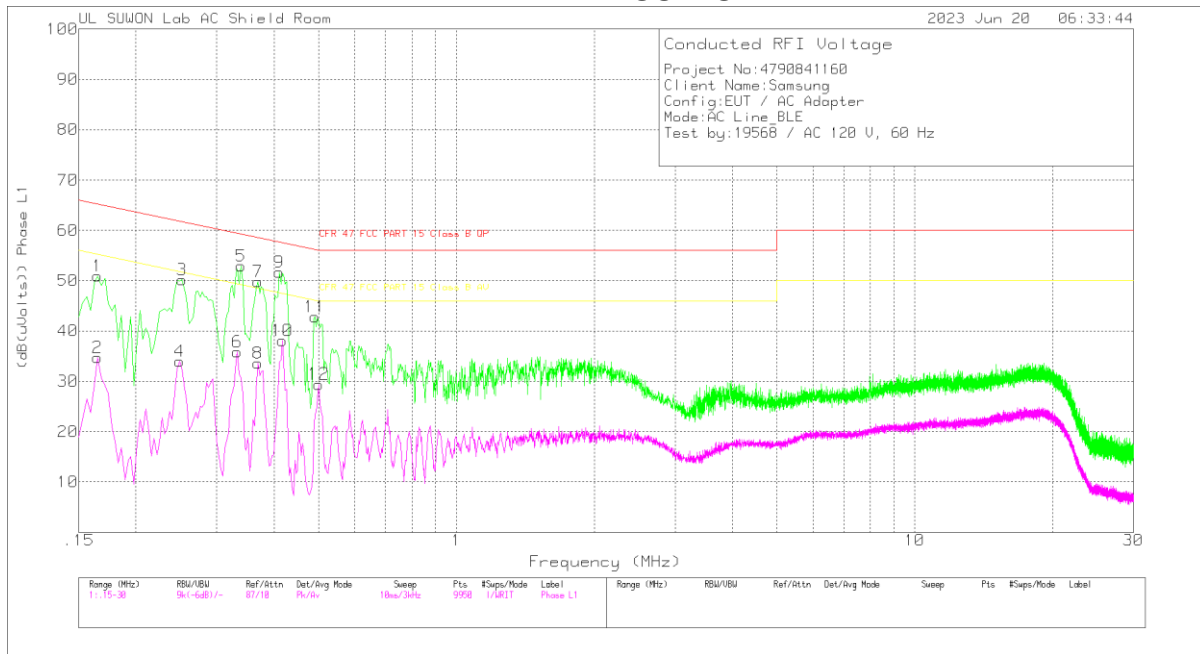
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line

LINE 1 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With 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	.165	41.31	Pk	9.5	.1	50.91	65.21	-14.3	-	-
2	.165	25.14	Av	9.5	.1	34.74	-	-	55.21	-20.47
3	.252	40.46	Pk	9.5	.2	50.16	61.69	-11.53	-	-
4	.249	24.28	Av	9.5	.2	33.98	-	-	51.79	-17.81
5	.339	43.23	Pk	9.5	.2	52.93	59.23	-6.3	-	-
6	.333	26.18	Av	9.5	.2	35.88	-	-	49.38	-13.5
7	.369	40.06	Pk	9.5	.2	49.76	58.52	-8.76	-	-
8	.369	23.87	Av	9.5	.2	33.57	-	-	48.52	-14.95
9	.411	42	Pk	9.5	.2	51.7	57.63	-5.93	-	-
10	.417	28.35	Av	9.5	.2	38.05	-	-	47.51	-9.46
11	.492	33.13	Pk	9.5	.2	42.83	56.13	-13.3	-	-
12	.501	19.63	Av	9.6	.2	29.43	-	-	46	-16.57

Pk - Peak detector

Av - Average detection

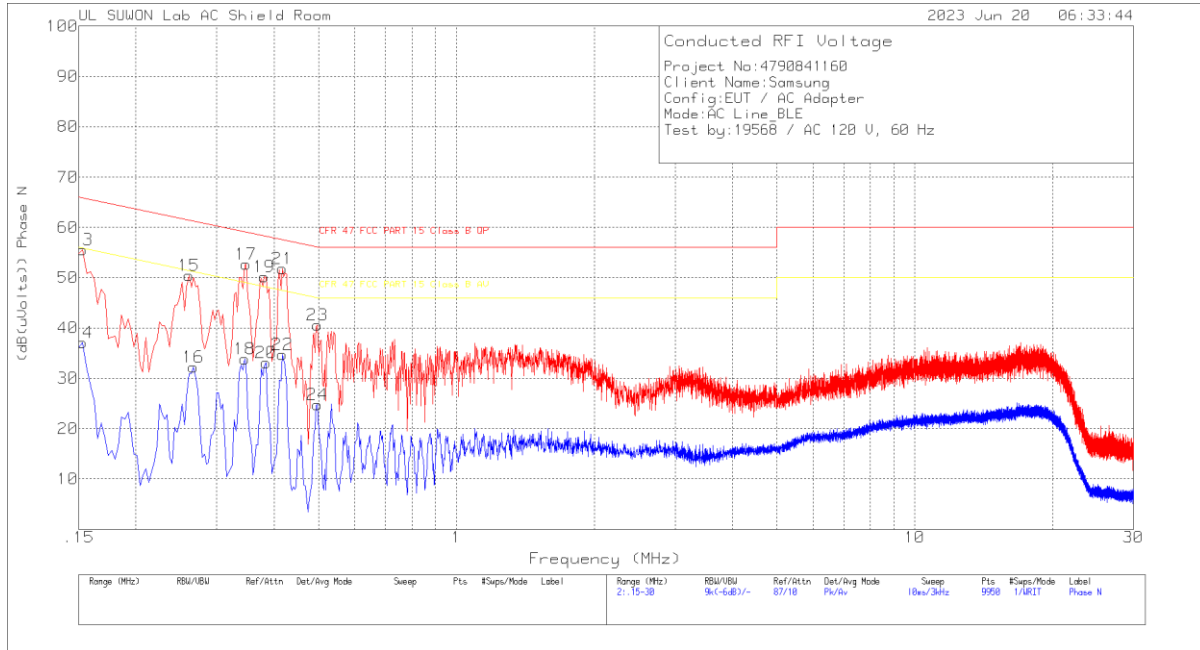
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With 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)
.33825	30.55	Qp	9.5	.2	40.25	59.25	-19	-	-
.36825	30.41	Qp	9.5	.2	40.11	58.54	-18.43	-	-
.41025	35.67	Qp	9.5	.2	45.37	57.64	-12.27	-	-
.41625	33.18	Qp	9.5	.2	42.88	57.52	-14.64	-	-

Qp - Quasi-Peak detector

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With 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	.153	45.99	Pk	9.5	.1	55.59	65.84	-10.25	-	-
14	.153	27.54	Av	9.5	.1	37.14	-	-	55.84	-18.7
15	.261	40.68	Pk	9.5	.2	50.38	61.4	-11.02	-	-
16	.267	22.56	Av	9.5	.2	32.26	-	-	51.21	-18.95
17	.348	42.98	Pk	9.5	.2	52.68	59.01	-6.33	-	-
18	.345	24.12	Av	9.5	.2	33.82	-	-	49.08	-15.26
19	.381	40.44	Pk	9.5	.2	50.14	58.26	-8.12	-	-
20	.384	23.42	Av	9.5	.2	33.12	-	-	48.19	-15.07
21	.417	42.05	Pk	9.5	.2	51.75	57.51	-5.76	-	-
22	.417	25.03	Av	9.5	.2	34.73	-	-	47.51	-12.78
23	.498	30.87	Pk	9.5	.2	40.57	56.03	-15.46	-	-
24	.498	15.01	Av	9.5	.2	24.71	-	-	46.03	-21.32

Pk - Peak detector
 Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With 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)
.34725	26.82	Qp	9.5	.2	36.52	59.03	-22.51	-	-
.38175	39.21	Qp	9.5	.2	48.91	58.24	-9.33	-	-
.41625	33.06	Qp	9.5	.2	42.76	57.52	-14.76	-	-

Qp - Quasi-Peak detector

END OF TEST REPORT