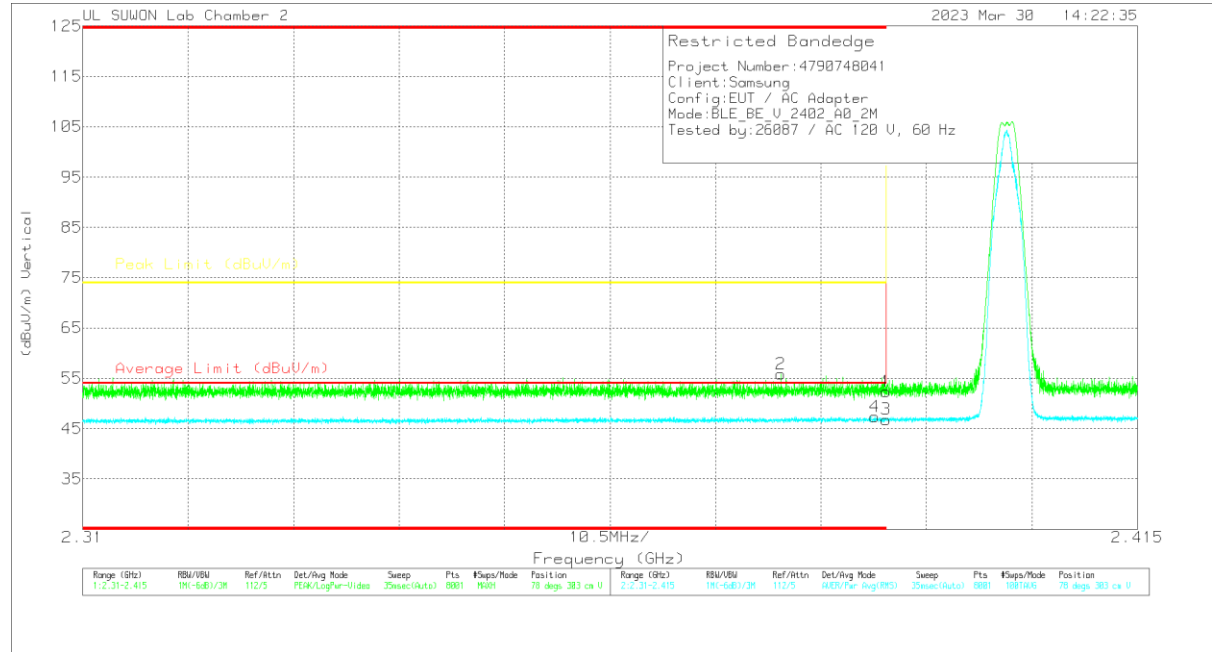


VERTICAL RESULT



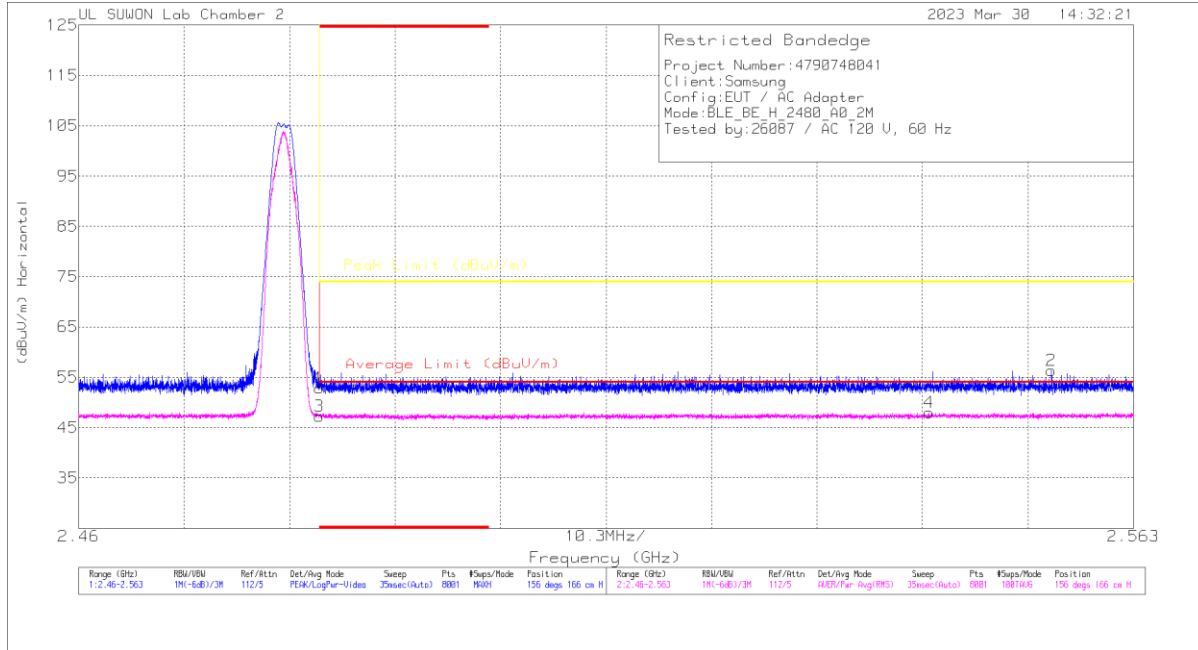
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	40.46	PK	31.7	-19.8	0	52.36	-	-	74	-21.64	78	303	V
2	* 2.3795	43.93	PK	31.7	-19.8	0	55.83	-	-	74	-18.17	78	303	V
3	* 2.39	30.71	RMS	31.7	-19.8	4.22	46.83	54	-7.17	-	-	78	303	V
4	* 2.38888	31.28	RMS	31.7	-19.8	4.22	47.4	54	-6.6	-	-	78	303	V

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

BANDEDGE (39 CHANNEL)

HORIZONTAL RESULT



Trace Markers

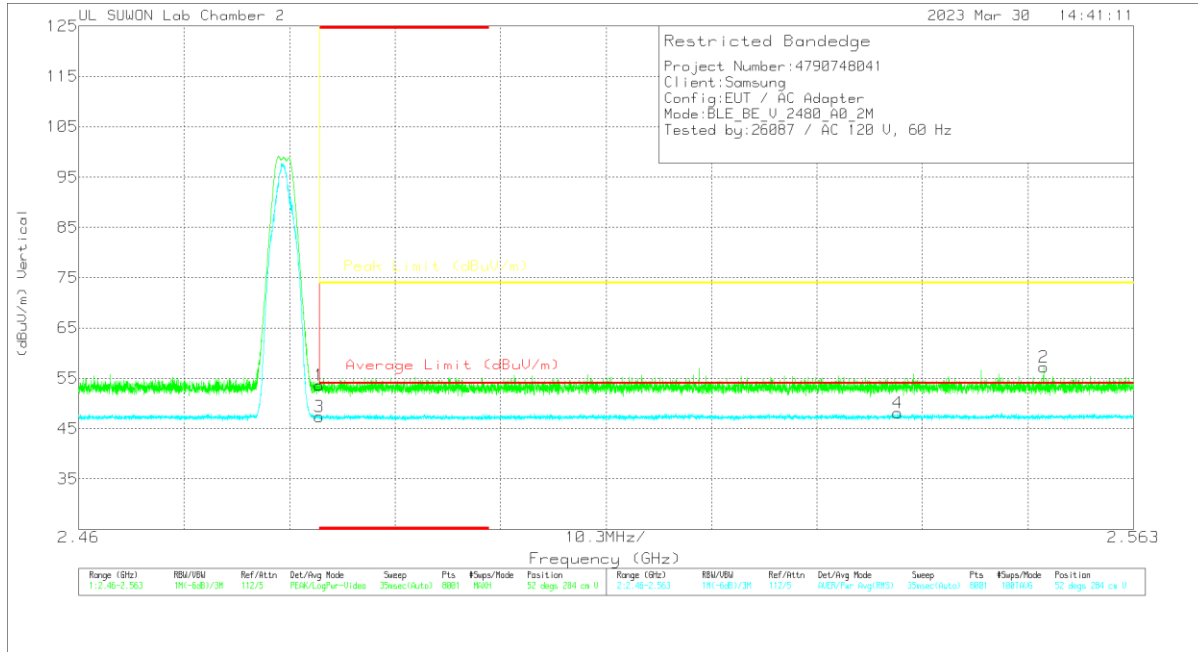
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158724	10dB_ATT(dB)	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	40.53	PK	31.9	-19.6	0	52.83	-	-	74	-21.17	156	166	H
2	2.555	43.87	PK	32	-19.5	0	56.37	-	-	74	-17.63	156	166	H
3	* 2.48351	30.78	RMS	31.9	-19.6	4.22	47.3	54	-6.7	-	-	156	166	H
4	2.54304	31.31	RMS	32	-19.5	4.22	48.03	54	-5.97	-	-	156	166	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_50168724	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	41.36	PK	31.9	-19.6	0	53.66	-	-	74	-20.34	52	284	V
2	2.55422	44.77	PK	32	-19.5	0	57.27	-	-	74	-16.73	52	284	V
3	* 2.48351	30.84	RMS	31.9	-19.6	4.22	47.36	54	-6.64	-	-	52	284	V
4	2.53997	31.37	RMS	32	-19.5	4.22	48.09	54	-5.01	-	-	52	284	V

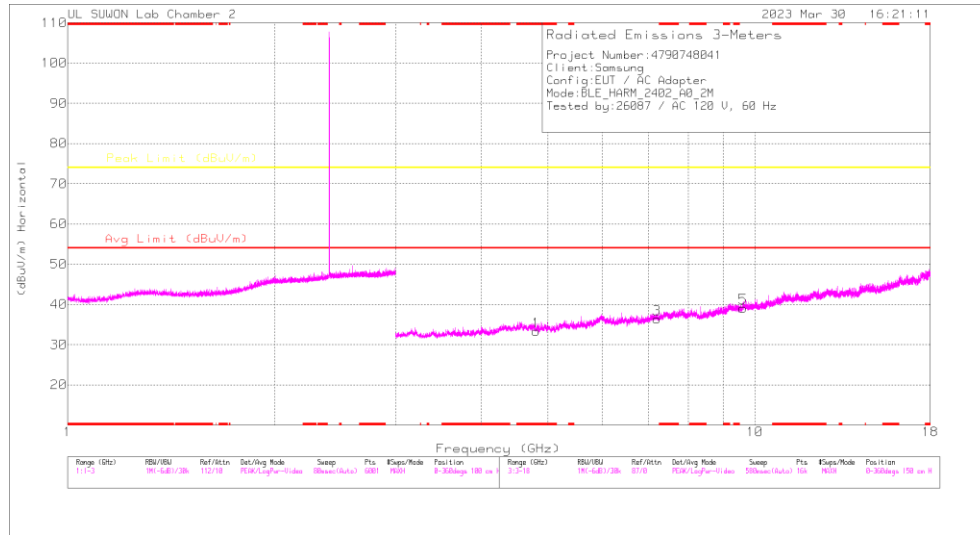
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

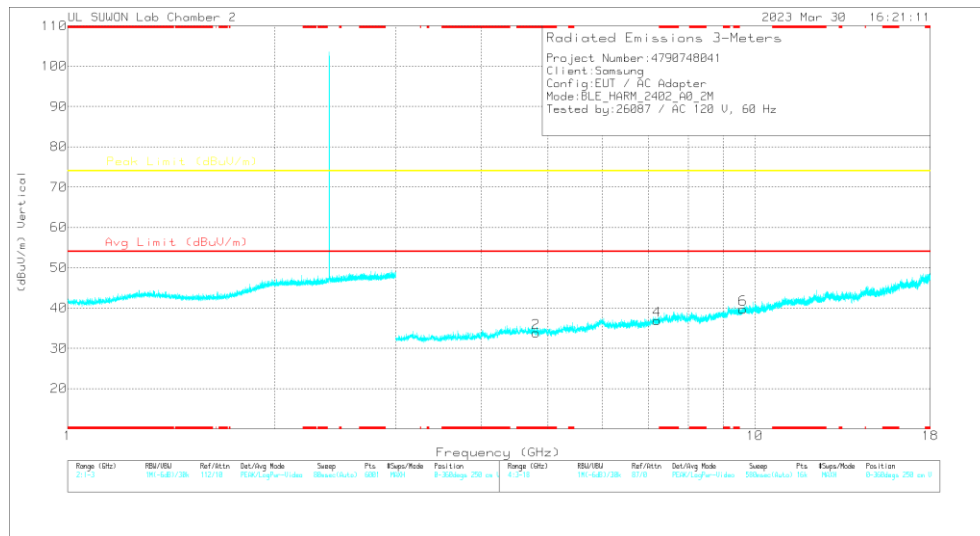
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

0 CHANNEL RESULTS



HORIZONTAL



VERTICAL

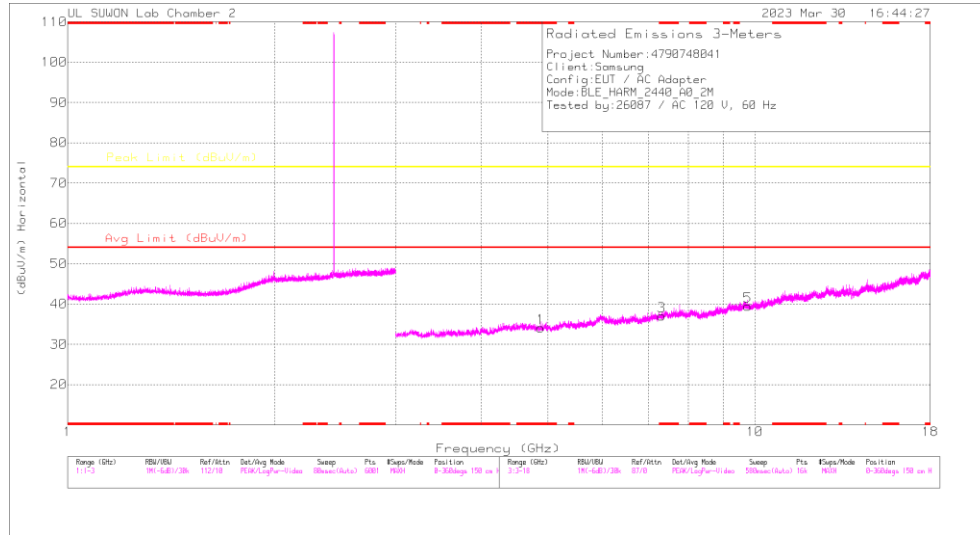
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

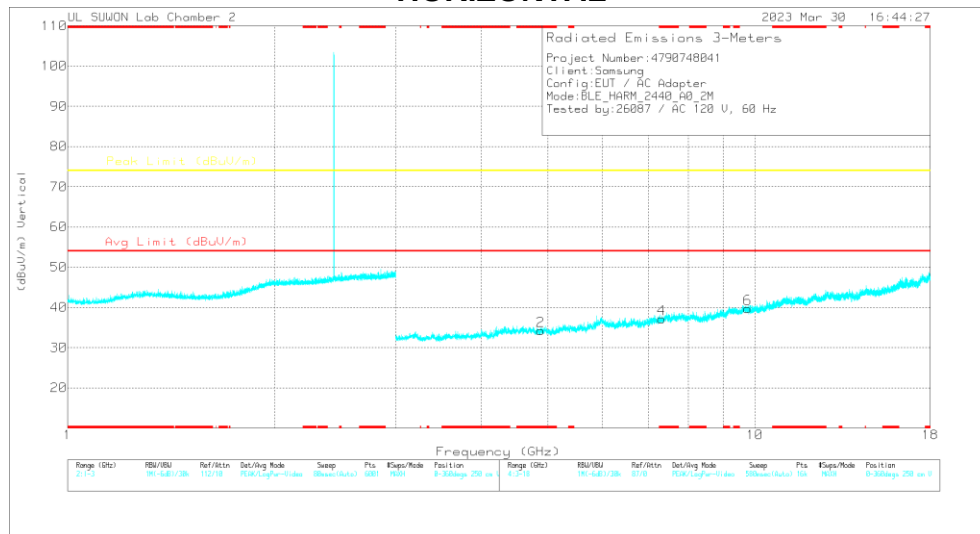
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80773	28.59	PK2	34	-26.9	0	35.69	-	-	74	-38.31	0	100	H
* 4.80435	27.1	PK2	34	-27	0	34.1	-	-	74	-39.9	0	100	V
7.21107	30.54	PK2	35.7	-24.5	0	41.74	-	-	74	-32.26	0	100	H
7.2157	25.69	PK2	35.7	-24.6	0	36.79	-	-	74	-37.21	0	100	V
9.59989	25.1	PK2	36.9	-21.3	0	40.7	-	-	74	-33.3	0	100	H
9.61181	22.03	PK2	36.9	-21.2	0	37.73	-	-	74	-36.27	0	100	V

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

19 CHANNEL RESULTS



HORIZONTAL



VERTICAL

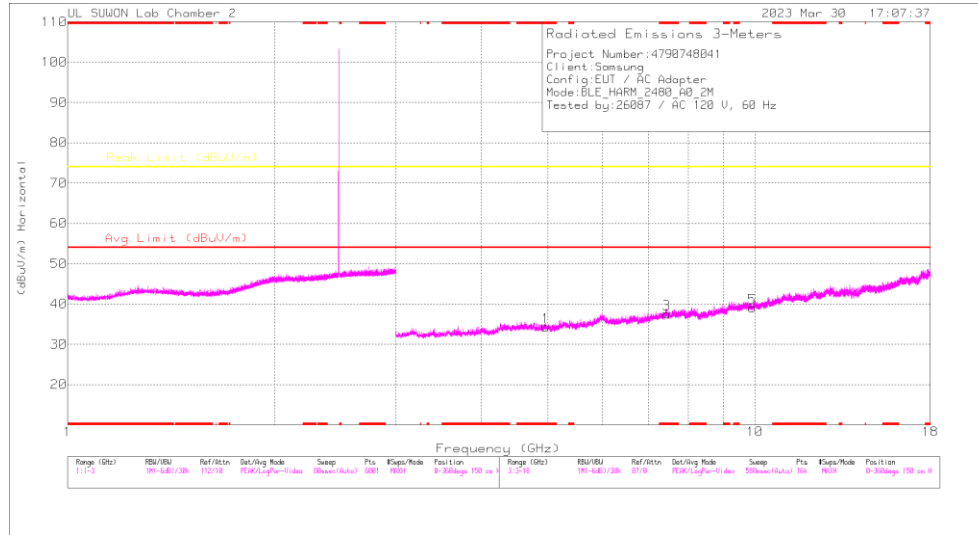
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

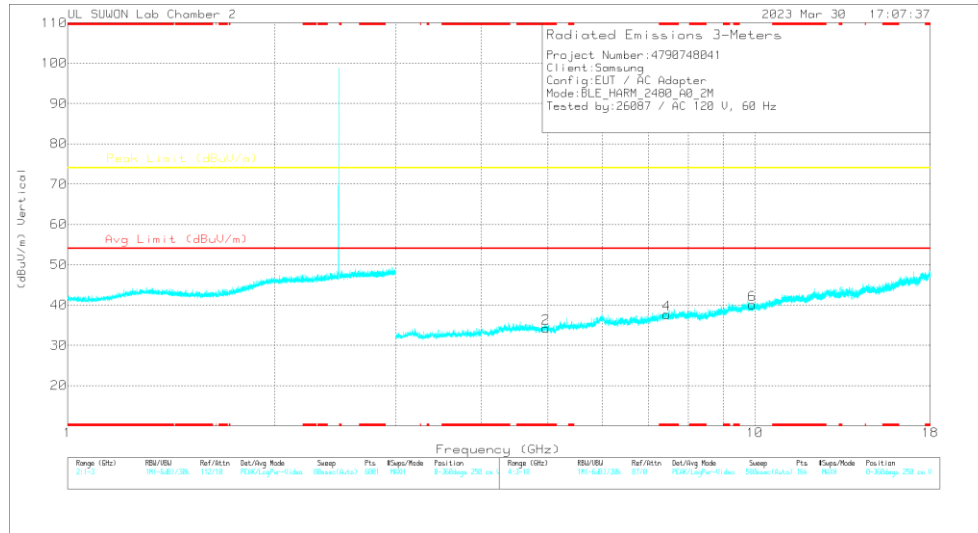
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87422	29.62	PK2	34	-26.9	0	36.72	-	-	74	-37.28	0	100	H
* 4.88811	28.59	PK2	34	-26.8	0	35.79	-	-	74	-38.21	0	100	V
* 7.31657	26.78	PK2	35.7	-24	0	38.48	-	-	74	-35.52	0	100	H
* 7.32954	29.38	PK2	35.7	-23.9	0	41.18	-	-	74	-32.82	0	100	V
9.7574	21.37	PK2	37.1	-21.1	0	37.37	-	-	74	-36.63	0	100	H
9.76307	27.07	PK2	37.1	-21.1	0	43.07	-	-	74	-30.93	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.

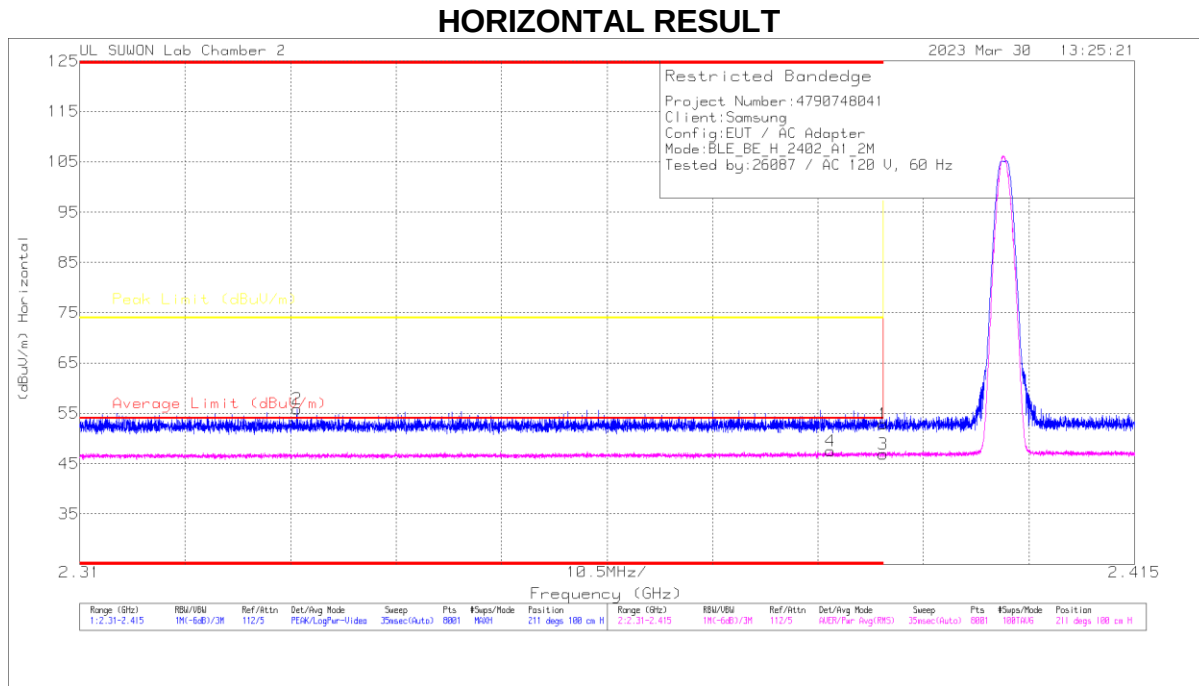
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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
* 4.96689	29.07	PK2	34	-26.3	0	36.77	-	-	74	-37.23	0	100	H
* 4.96539	25.6	PK2	34	-26.3	0	33.3	-	-	74	-40.7	0	100	V
* 7.43294	22.15	PK2	35.7	-23	0	34.85	-	-	74	-39.15	0	100	H
* 7.45037	23.65	PK2	35.7	-23.1	0	36.25	-	-	74	-37.75	0	100	V
9.91289	28.68	PK2	37.3	-21	0	44.98	-	-	74	-29.02	0	100	H
9.91755	24.41	PK2	37.3	-20.9	0	40.81	-	-	74	-33.19	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)



Trace Markers

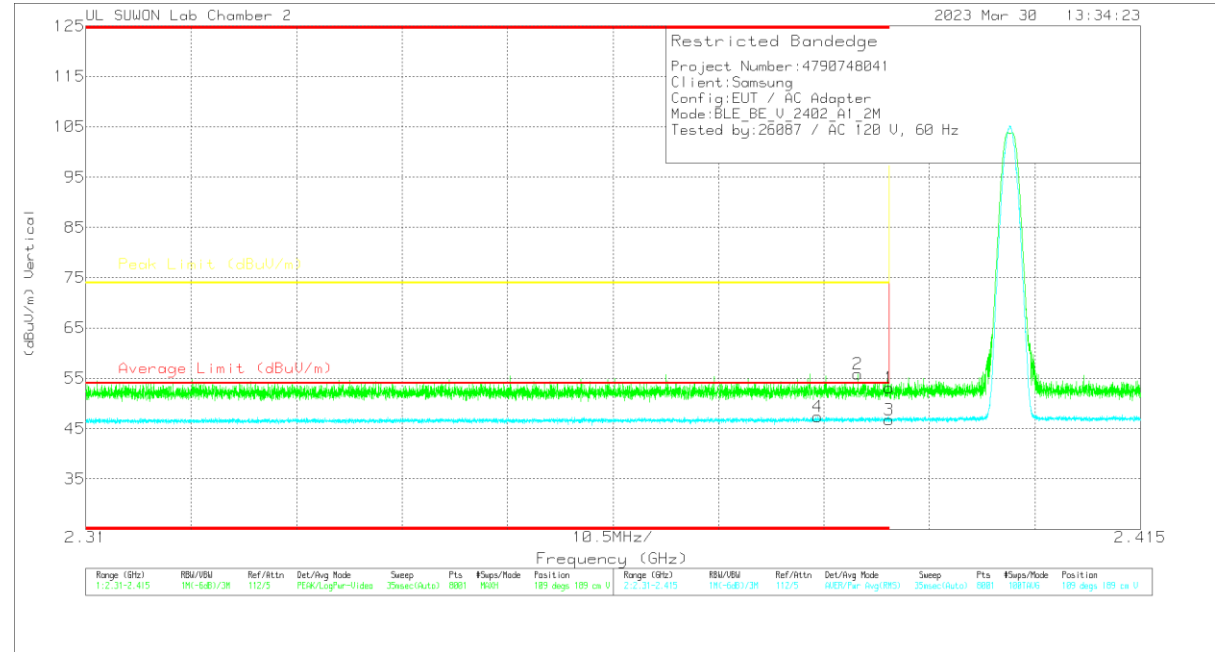
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_90168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	40.94	PK	31.7	-19.8	0	52.84	-	-	74	-21.16	211	100	H
2	* 2.33162	44.11	PK	31.6	-19.9	0	55.81	-	-	74	-18.19	211	100	H
3	* 2.39	30.75	RMS	31.7	-19.8	4.22	46.87	54	-7.13	-	-	211	100	H
4	* 2.38475	31.39	RMS	31.7	-19.8	4.22	47.51	54	-6.49	-	-	211	100	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



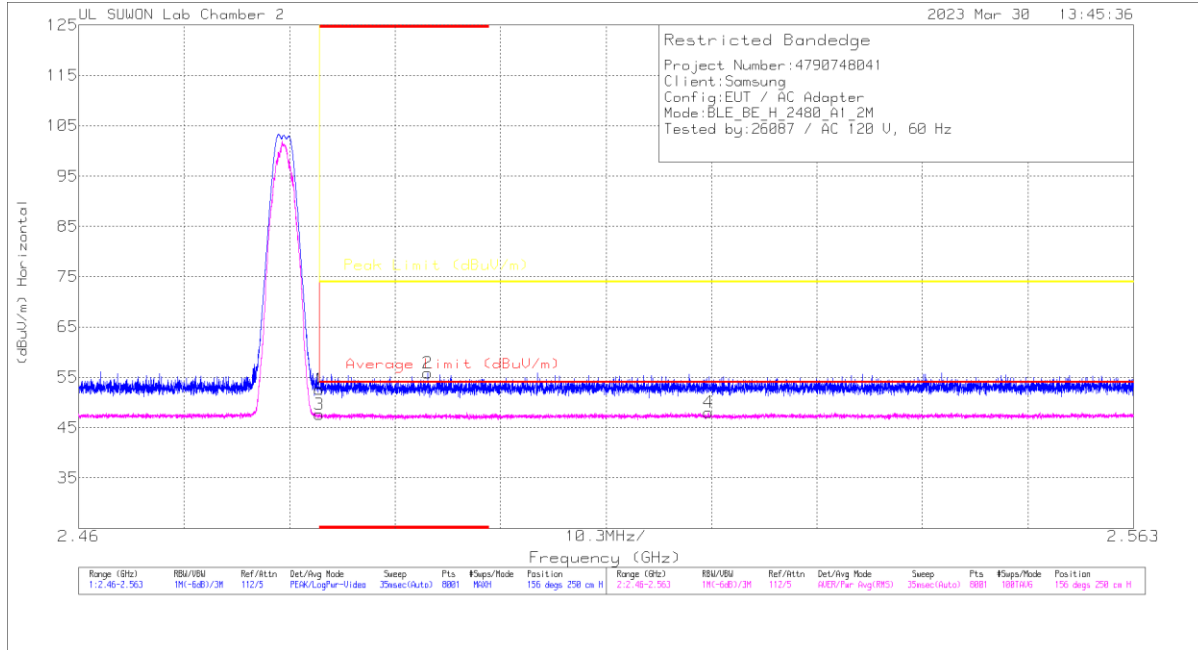
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_50168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (deg)	Height (m)	Polarity
1	* 2.39	41.2	PK	31.7	-19.8	0	53.1	-	-	74	-20.9	109	189	V
2	* 2.38687	44	PK	31.7	-19.8	0	55.9	-	-	74	-18.1	109	189	V
3	* 2.39	30.68	RMS	31.7	-19.8	4.22	46.8	54	-7.2	-	-	109	189	V
4	* 2.38284	31.32	RMS	31.7	-19.8	4.22	47.44	54	-6.56	-	-	109	189	V

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

BANDEDGE (39 CHANNEL)

HORIZONTAL RESULT



Trace Markers

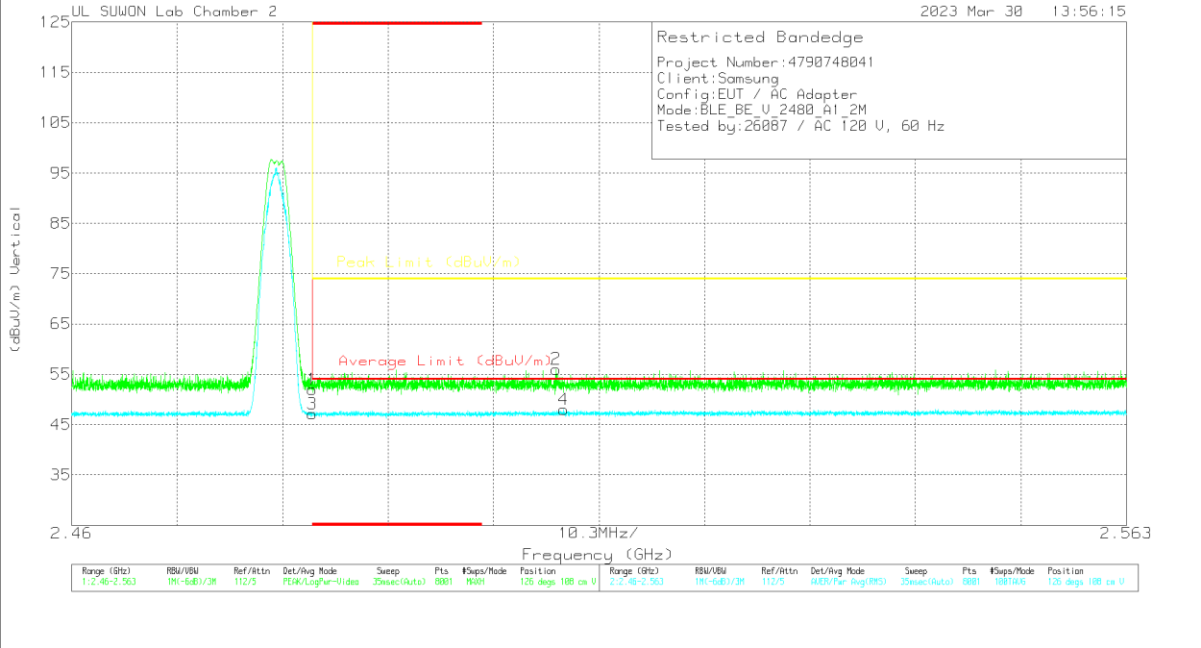
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158724	10dB_ATT(dB)	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.28	PK	31.9	-19.6	0	62.58	-	-	74	-21.42	156	250	H
2	* 2.49411	43.52	PK	31.9	-19.5	0	65.92	-	-	74	-18.08	156	250	H
3	* 2.48351	31.15	RMS	31.9	-19.6	4.22	47.67	54	-6.33	-	-	156	250	H
4	2.52148	31.45	RMS	31.9	-19.5	4.22	48.07	54	-5.93	-	-	156	250	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



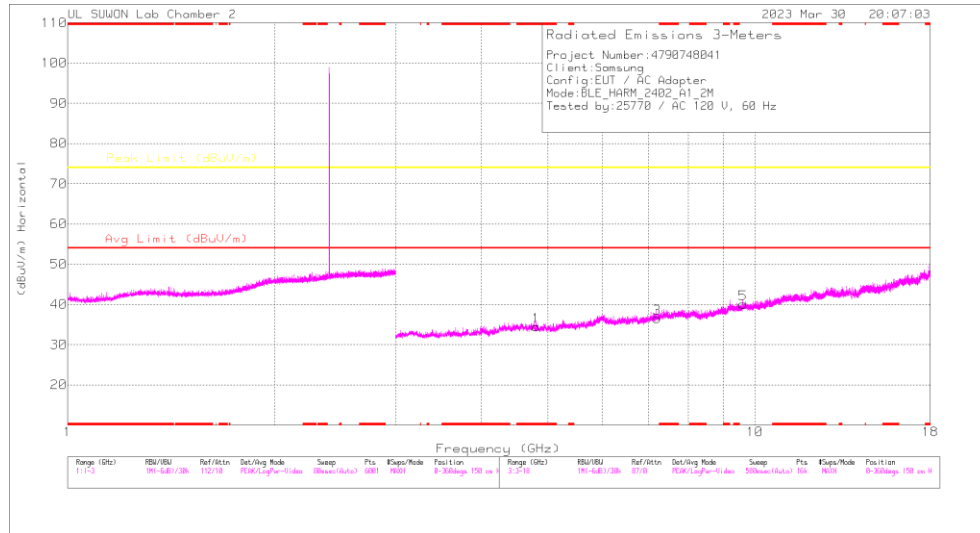
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (deg)	Height (cm)	Polarity
1	* 2.48351	39.67	PK	31.9	-19.6	0	51.97	-	-	74	-22.03	126	108	V
2	2.50732	43.75	PK	31.9	-19.6	0	56.05	-	-	74	-17.95	126	108	V
3	* 2.48351	30.66	RMS	31.9	-19.6	4.22	47.18	54	-6.82	-	-	126	108	V
4	2.50806	31.44	RMS	31.9	-19.5	4.22	48.06	54	-5.94	-	-	126	108	V

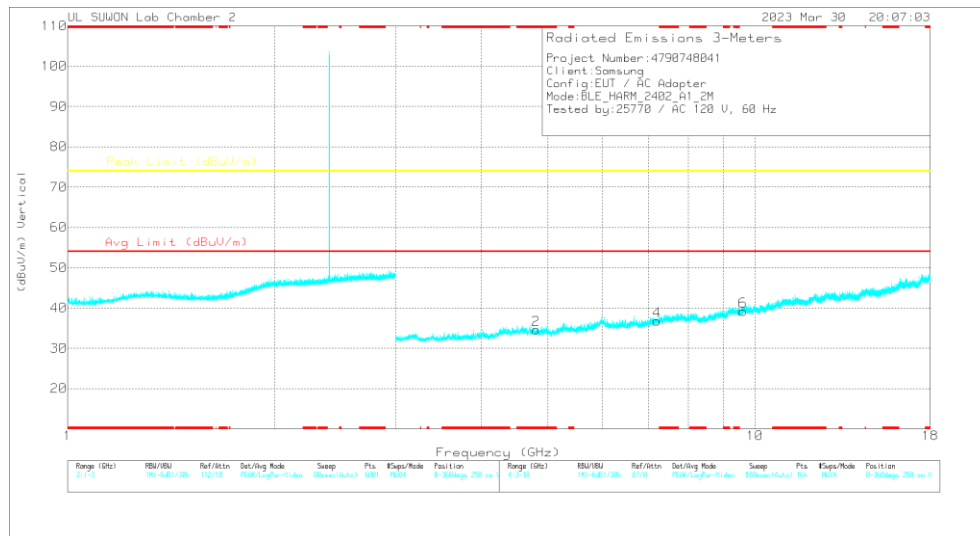
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

0 CHANNEL RESULTS



HORIZONTAL



VERTICAL

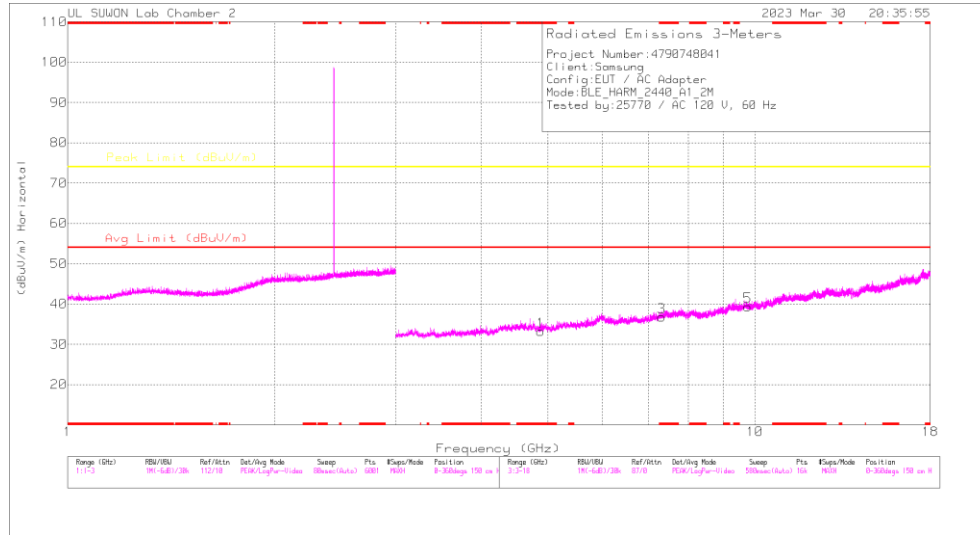
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

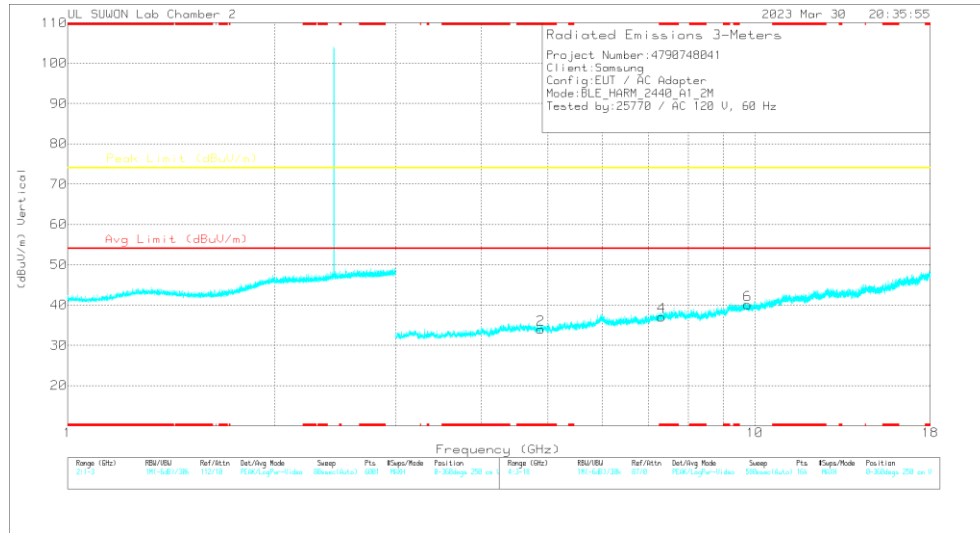
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.81075	35.96	PK2	34	-27	0	42.96	-	-	74	-31.04	0	100	H
* 4.81013	35.91	PK2	34	-27	0	42.91	-	-	74	-31.09	0	100	V
7.20718	34.62	PK2	35.7	-24.5	0	45.82	-	-	74	-28.18	0	100	H
7.21302	34.74	PK2	35.7	-24.6	0	45.84	-	-	74	-28.16	0	100	V
9.61248	32.53	PK2	36.9	-21.2	0	48.23	-	-	74	-25.77	0	100	H
9.61119	33.65	PK2	36.9	-21.2	0	49.35	-	-	74	-24.65	0	100	V

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

19 CHANNEL RESULTS



HORIZONTAL



VERTICAL

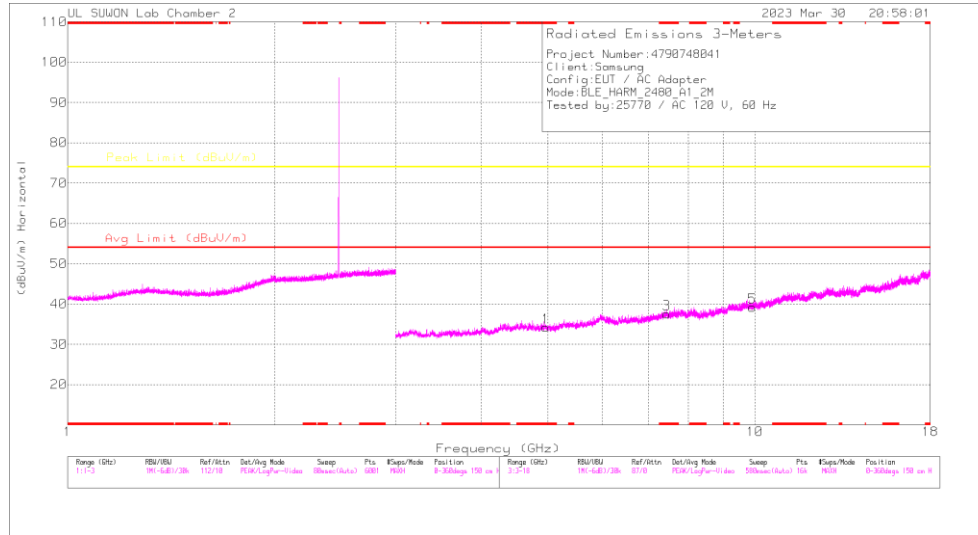
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

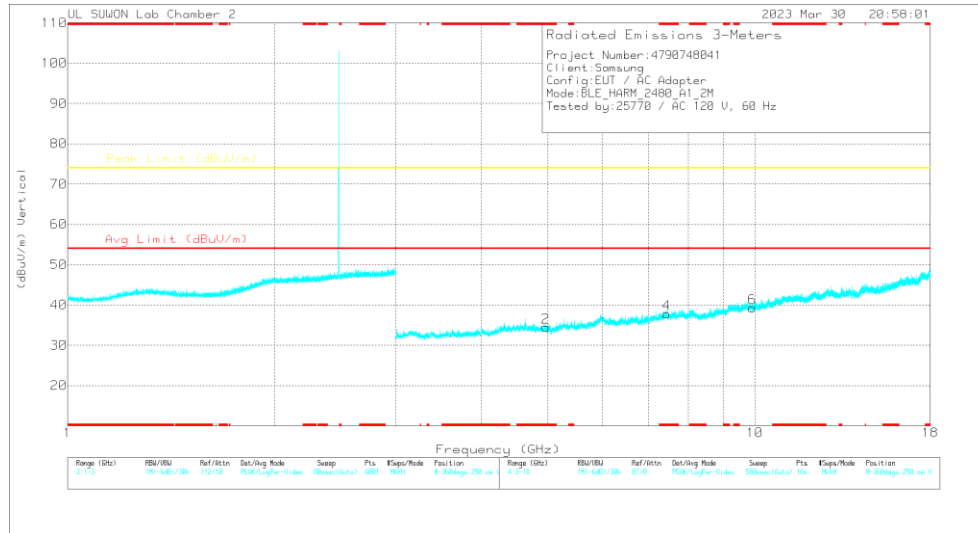
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.88854	36.34	PK2	34	-26.8	0	43.54	-	-	74	-30.46	0	100	H
* 4.87228	36.32	PK2	34	-26.9	0	43.42	-	-	74	-30.58	0	100	V
* 7.31175	35.47	PK2	35.7	-24.1	0	47.07	-	-	74	-26.93	0	100	H
* 7.31254	35.11	PK2	35.7	-24.1	0	46.71	-	-	74	-27.29	0	100	V
9.76852	32.2	PK2	37.1	-21.2	0	48.1	-	-	74	-25.9	0	100	H
9.75676	32.15	PK2	37.1	-21.1	0	48.15	-	-	74	-25.85	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

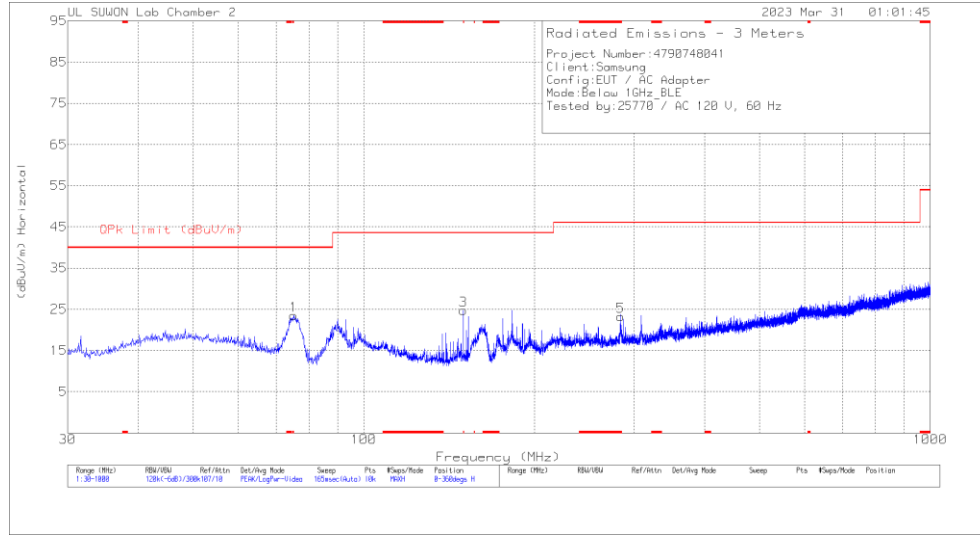
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.96639	35.86	PK2	34	-26.3	0	43.56	-	-	74	-30.44	0	100	H
* 4.96099	35.72	PK2	34	-26.3	0	43.42	-	-	74	-30.58	0	100	V
* 7.44285	34.27	PK2	35.7	-23.1	0	46.87	-	-	74	-27.13	0	100	H
* 7.44596	33.94	PK2	35.7	-23.1	0	46.54	-	-	74	-27.46	0	100	V
9.91092	32.21	PK2	37.3	-21	0	48.51	-	-	74	-25.49	0	100	H
9.91362	32.64	PK2	37.3	-21	0	48.94	-	-	74	-25.06	0	100	V

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

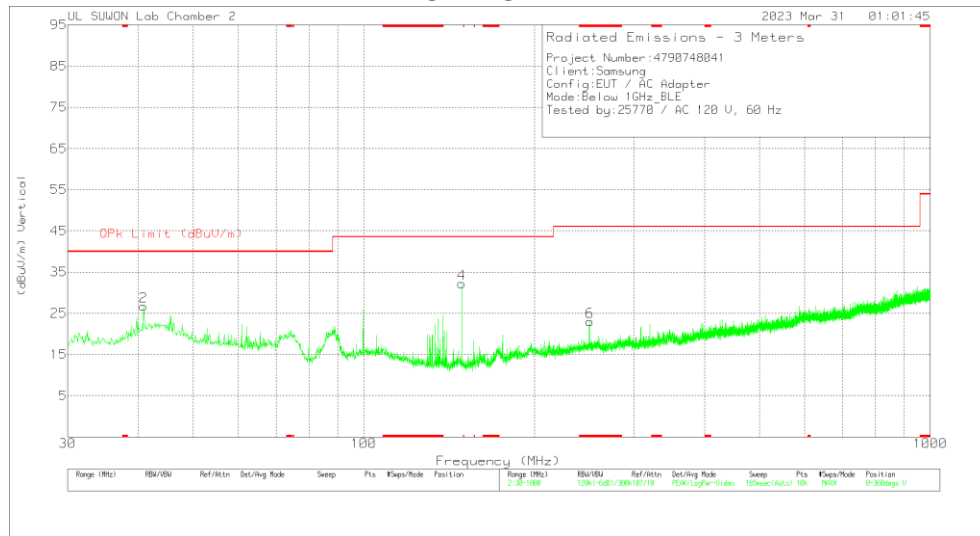
PK2 - KDB558074 Method: Maximum Peak

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_749	Below_1G(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 75.105	41.43	Pk	13.6	-31.5	0	23.53	40	-16.47	0-360	200	H
3	149.795	41.75	Pk	14	-31	0	24.75	43.52	-18.77	0-360	100	H
5	* 284.237	34.77	Pk	18.9	-30.4	0	23.27	46.02	-22.75	0-360	100	H
2	40.864	39.43	Pk	19	-31.7	0	26.73	40	-13.27	0-360	100	V
4	148.922	49.35	Pk	13.9	-31	0	32.25	43.52	-11.27	0-360	100	V
6	* 250.675	34.9	Pk	18.6	-30.5	0	23	46.02	-23.02	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.

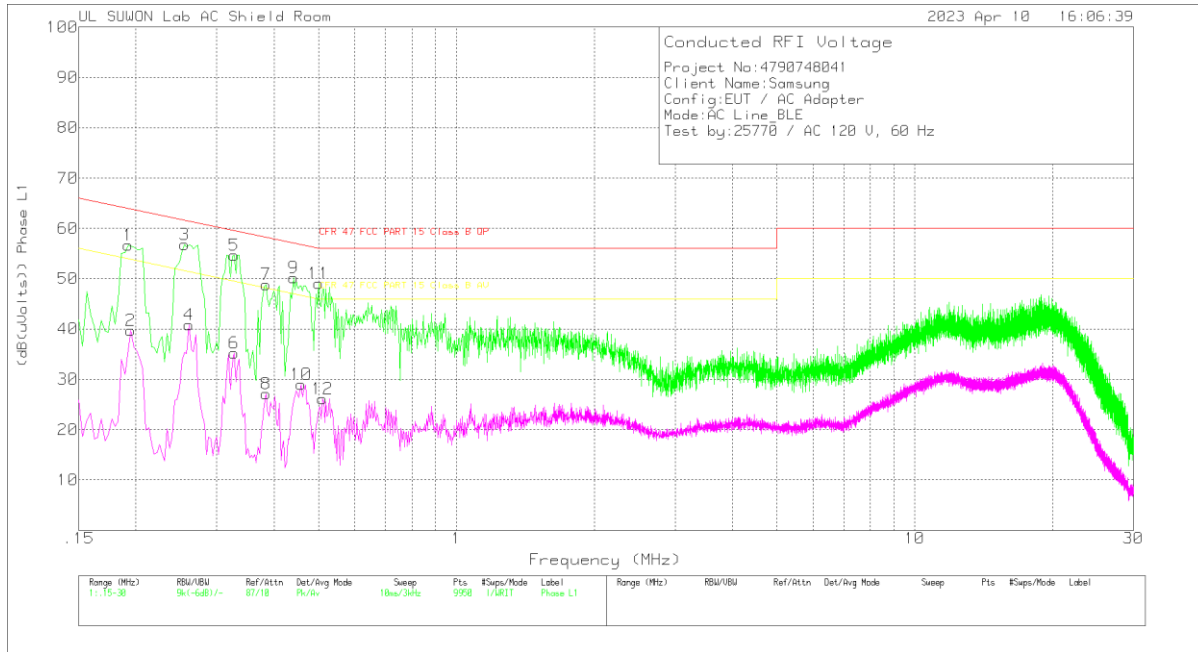
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line

LINE 1 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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	.192	46.55	Pk	9.9	.2	56.65	63.95	-7.3	-	-
2	.195	29.59	Av	9.9	.2	39.69	-	-	53.82	-14.13
3	.255	47.02	Pk	9.6	.2	56.82	61.59	-4.77	-	-
4	.261	30.98	Av	9.6	.2	40.78	-	-	51.4	-10.62
5	.327	44.81	Pk	9.7	.2	54.71	59.53	-4.82	-	-
6	.327	25.31	Av	9.7	.2	35.21	-	-	49.53	-14.32
7	.384	38.87	Pk	9.8	.2	48.87	58.19	-9.32	-	-
8	.384	17.08	Av	9.8	.2	27.08	-	-	48.19	-21.11
9	.441	40.16	Pk	9.8	.2	50.16	57.04	-6.88	-	-
10	.459	18.92	Av	9.9	.2	29.02	-	-	46.71	-17.69
11	.501	38.91	Pk	9.9	.2	49.01	56	-6.99	-	-
12	.51	15.99	Av	9.9	.2	26.09	-	-	46	-19.91

Pk - Peak detector

Av - Average detection

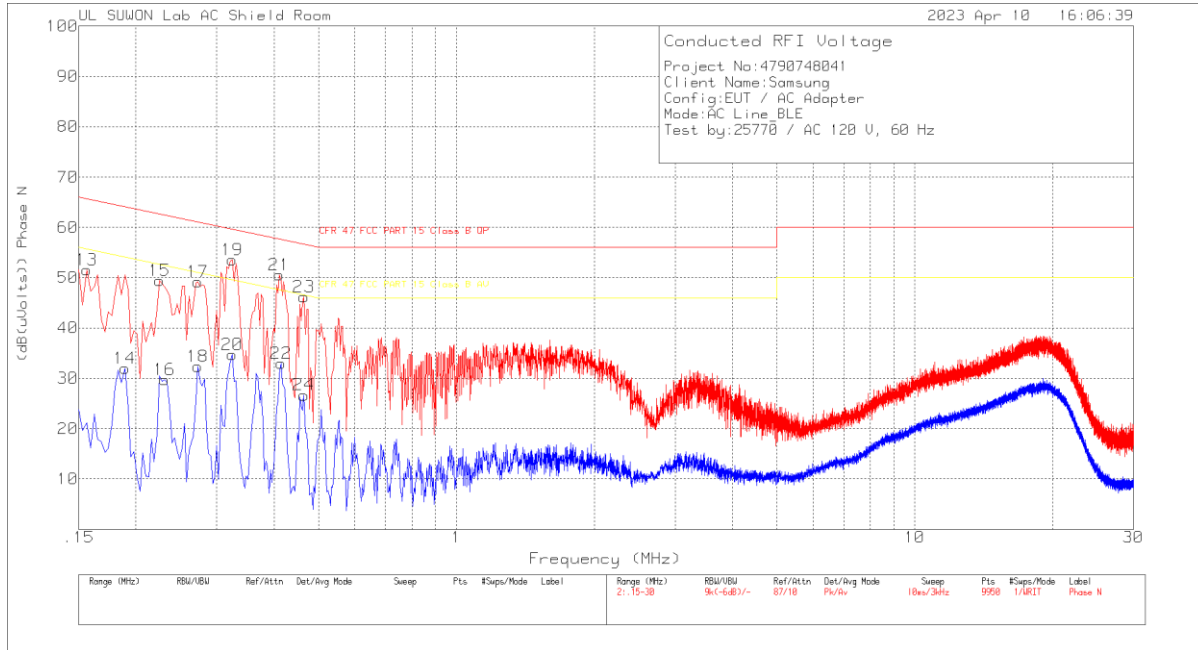
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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)
.19125	31.81	Qp	9.9	.2	41.91	63.98	-22.07	-	-
.25515	36.28	Qp	9.6	.2	46.08	61.59	-15.51	-	-
.32625	41.2	Qp	9.7	.2	51.1	59.55	-8.45	-	-
.38325	24.91	Qp	9.8	.2	34.91	58.21	-23.3	-	-
.44115	15.24	Qp	9.8	.2	25.24	57.04	-31.8	-	-
.50025	27.61	Qp	9.9	.2	37.71	56	-18.29	-	-

Qp - Quasi-Peak detector

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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	.156	41.61	Pk	9.8	.1	51.51	65.67	-14.16	-	-
14	.189	21.86	Av	9.9	.2	31.96	-	-	54.08	-22.12
15	.225	39.53	Pk	9.7	.2	49.43	62.63	-13.2	-	-
16	.231	19.85	Av	9.7	.2	29.75	-	-	52.41	-22.66
17	.273	39.41	Pk	9.6	.2	49.21	61.03	-11.82	-	-
18	.273	22.52	Av	9.6	.2	32.32	-	-	51.03	-18.71
19	.324	43.64	Pk	9.7	.2	53.54	59.6	-6.06	-	-
20	.324	24.78	Av	9.7	.2	34.68	-	-	49.6	-14.92
21	.411	40.59	Pk	9.8	.2	50.59	57.63	-7.04	-	-
22	.414	22.98	Av	9.8	.2	32.98	-	-	47.57	-14.59
23	.465	36.08	Pk	9.9	.2	46.18	56.6	-10.42	-	-
24	.465	16.59	Av	9.9	.2	26.69	-	-	46.6	-19.91

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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)
.32415	40.41	Qp	9.7	.2	50.31	59.6	-9.29	-	-
.41175	36.71	Qp	9.8	.2	46.71	57.61	-10.9	-	-

Qp - Quasi-Peak detector

END OF TEST REPORT