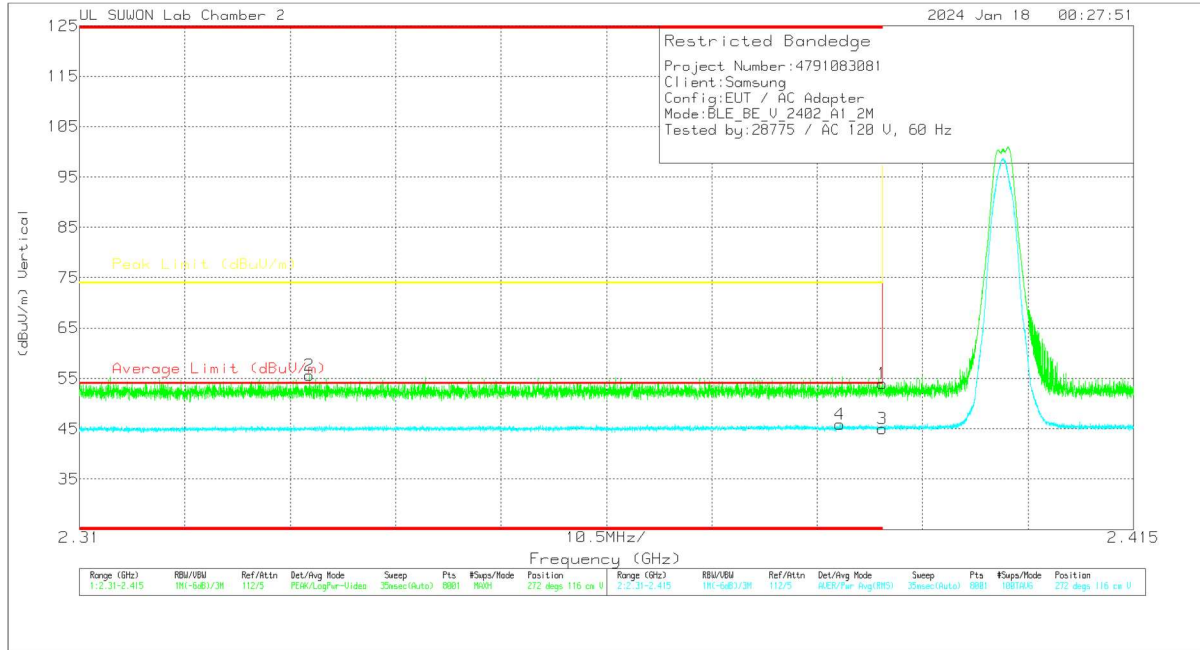


VERTICAL RESULT



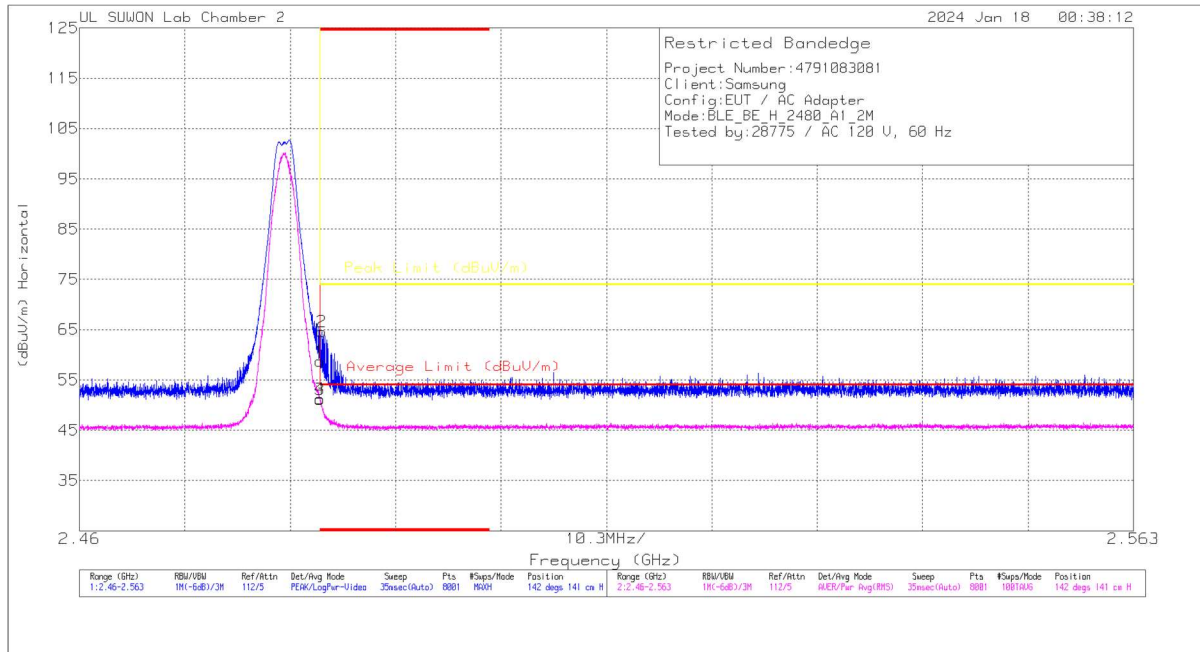
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (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	41.88	PK	31.7	-19.6	0	53.98	-	-	74	-20.02	272	116	V
2	* 2.3329	43.7	PK	31.6	-19.7	0	55.6	-	-	74	-18.4	272	116	V
3	* 2.39	30.53	RMS	31.7	-19.6	2.41	45.04	54	-8.96	-	-	272	116	V
4	* 2.38974	31.39	RMS	31.7	-19.6	2.41	45.9	54	-8.1	-	-	272	116	V

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

BANDEDGE (39 CHANNEL)

HORIZONTAL RESULT

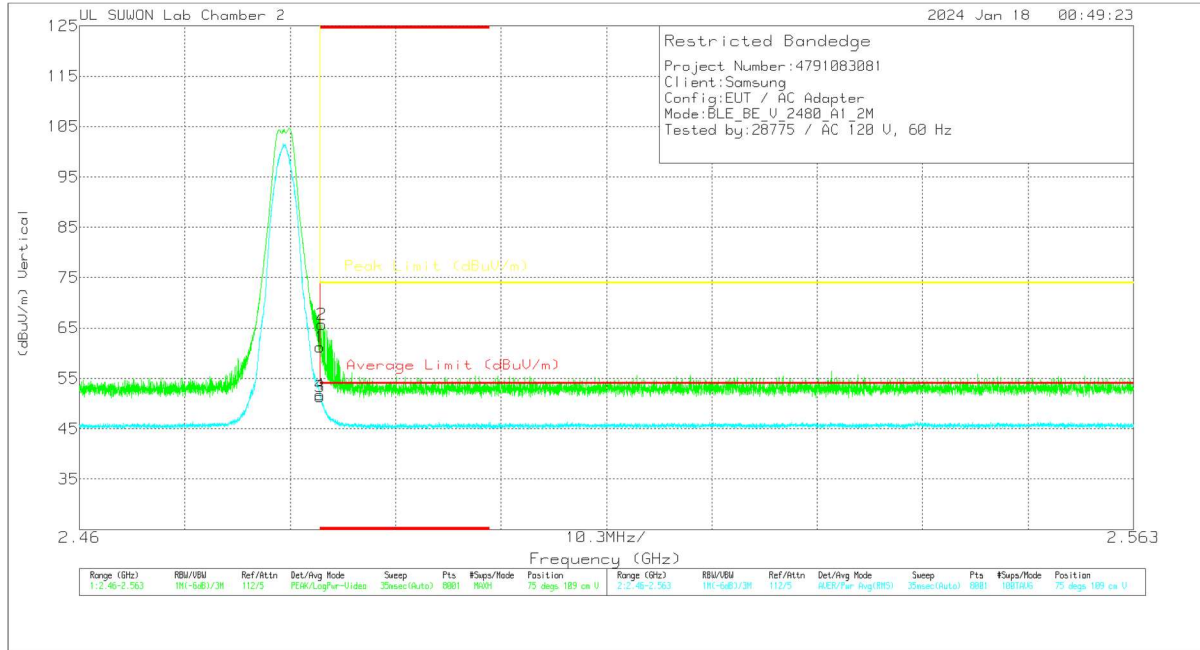


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (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	49.08	Pk	31.9	-19.3	0	68.68	-	-	74	-15.32	142	141	H
2	* 2.48365	52.04	Pk	31.9	-19.3	0	64.64	-	-	74	-9.36	142	141	H
3	* 2.48351	36.17	RMS	31.9	-19.3	2.41	51.18	54	-2.82	-	-	142	141	H
4	* 2.48352	36.24	RMS	31.9	-19.3	2.41	51.25	54	-2.75	-	-	142	141	H

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

VERTICAL RESULT



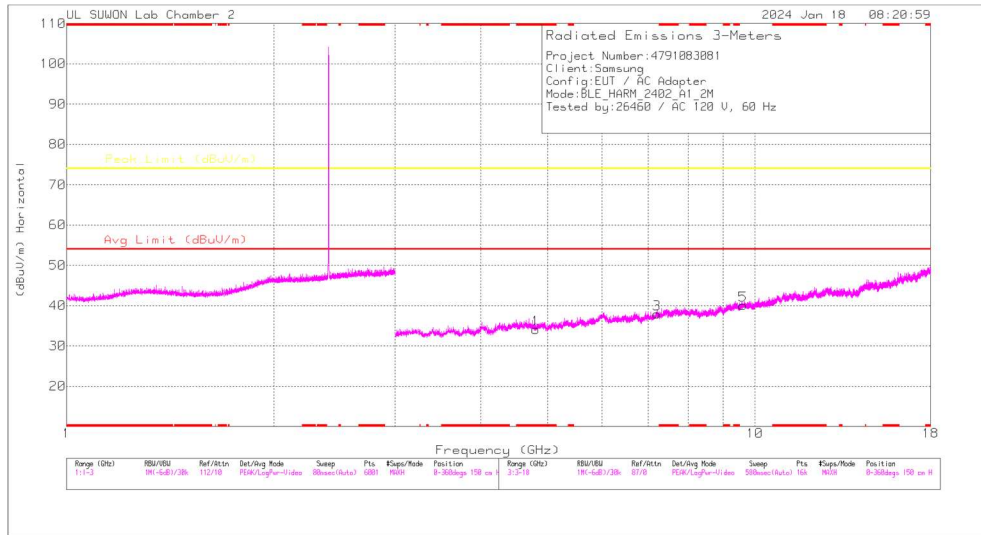
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (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	48.67	PK	31.9	-19.3	0	61.27	-	-	74	-12.73	75	109	V
2	* 2.48365	53.13	PK	31.9	-19.3	0	65.73	-	-	74	-8.27	75	109	V
3	* 2.48351	36.37	RMS	31.9	-19.3	2.41	51.38	54	-2.62	-	-	75	109	V
4	* 2.48352	36.76	RMS	31.9	-19.3	2.41	51.77	54	-2.23	-	-	75	109	V

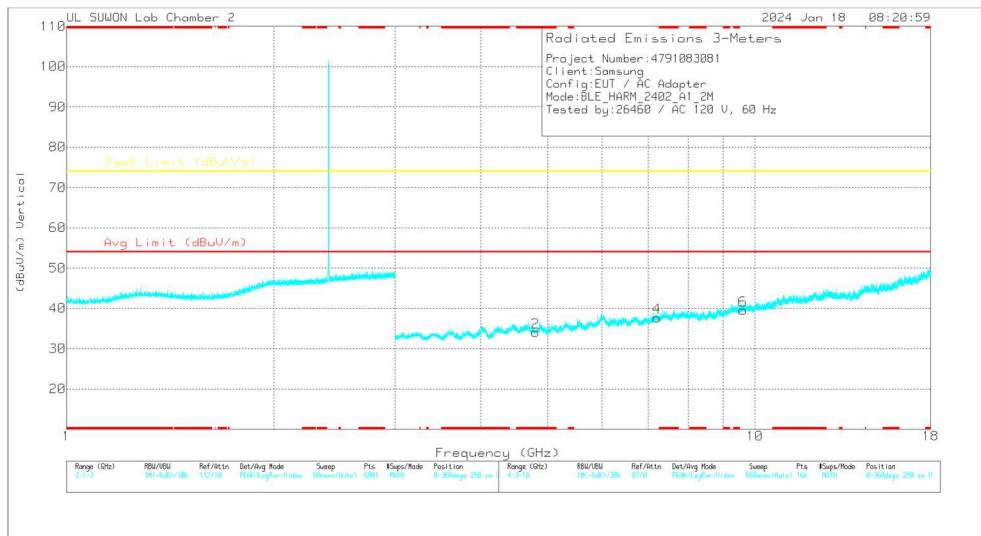
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

0 CHANNEL RESULTS



HORIZONTAL



VERTICAL

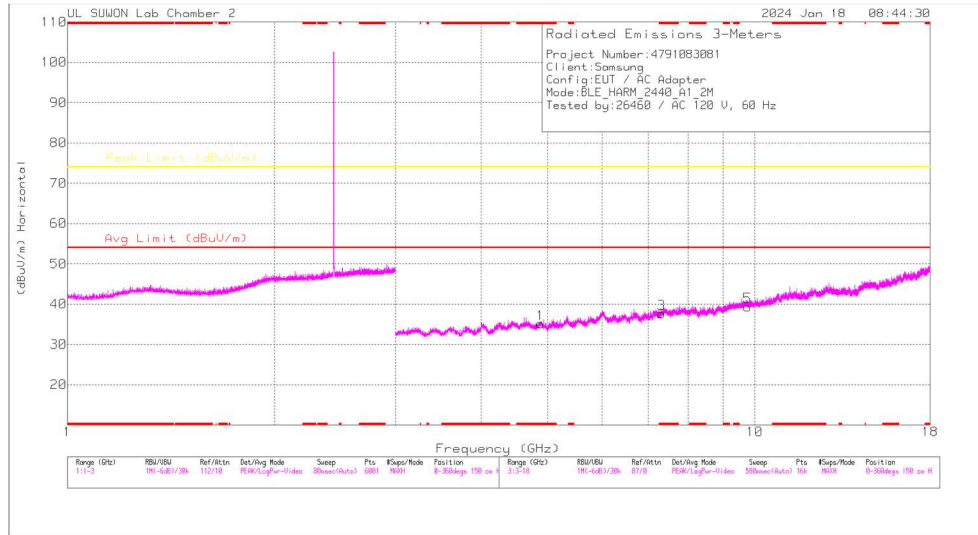
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

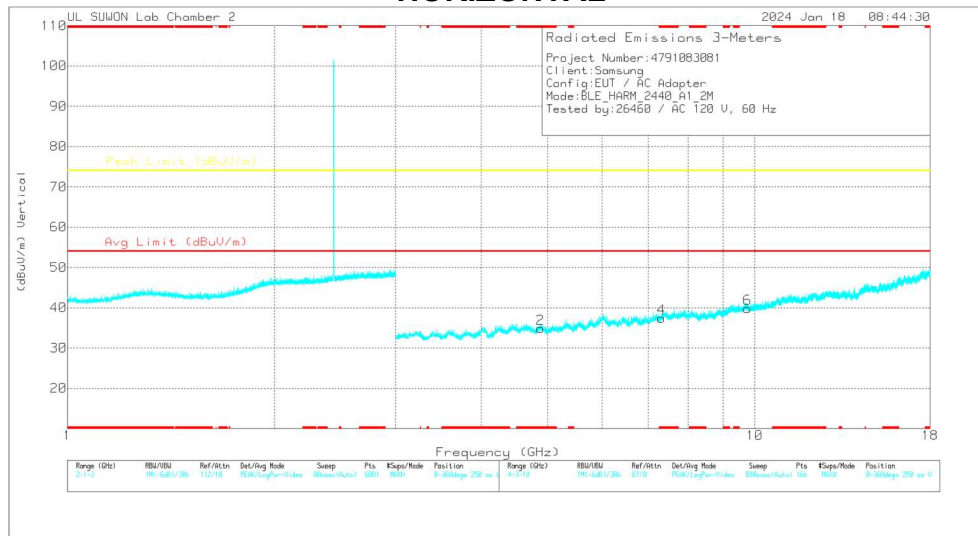
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80439	36.02	PK2	34	-26.8	0	43.22	-	-	74	-30.78	0	100	H
* 4.80923	36.59	PK2	34	-26.8	0	43.79	-	-	74	-30.21	0	100	V
7.20521	35.8	PK2	35.7	-24.2	0	47.3	-	-	74	-26.7	0	100	H
7.20204	35.18	PK2	35.7	-24.2	0	46.68	-	-	74	-27.32	0	100	V
9.60879	33.19	PK2	36.9	-21	0	49.09	-	-	74	-24.91	0	100	H
9.60903	32.96	PK2	36.9	-21	0	48.86	-	-	74	-25.14	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

19 CHANNEL RESULTS



HORIZONTAL



VERTICAL

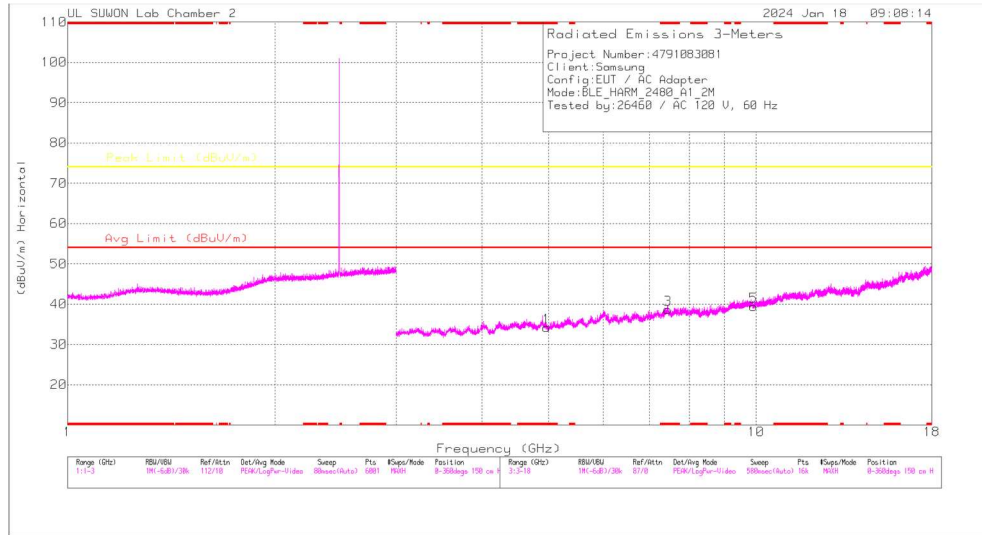
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

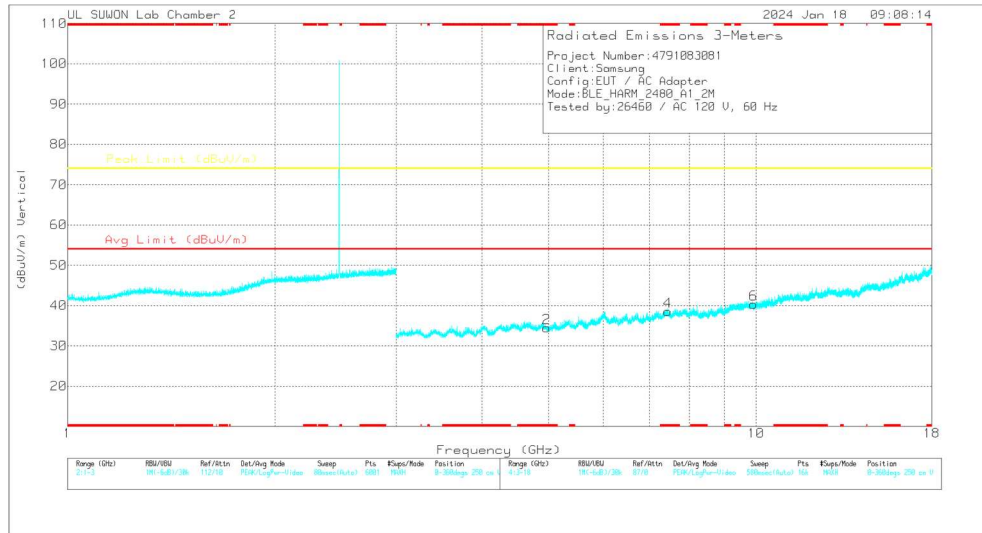
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBV/m)	Avg Limit (dBV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87974	37.17	PK2	34	-26.7	0	44.47	-	-	74	-29.53	0	100	H
* 4.87842	37.14	PK2	34	-26.7	0	44.44	-	-	74	-29.56	0	100	V
* 7.32011	35.62	PK2	35.7	-23.7	0	47.62	-	-	74	-26.38	0	100	H
* 7.31952	35.58	PK2	35.7	-23.7	0	47.58	-	-	74	-26.42	0	100	V
9.76294	32.67	PK2	37.1	-20.8	0	48.97	-	-	74	-25.03	0	100	H
9.76086	33.42	PK2	37.1	-20.8	0	49.72	-	-	74	-24.28	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

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.

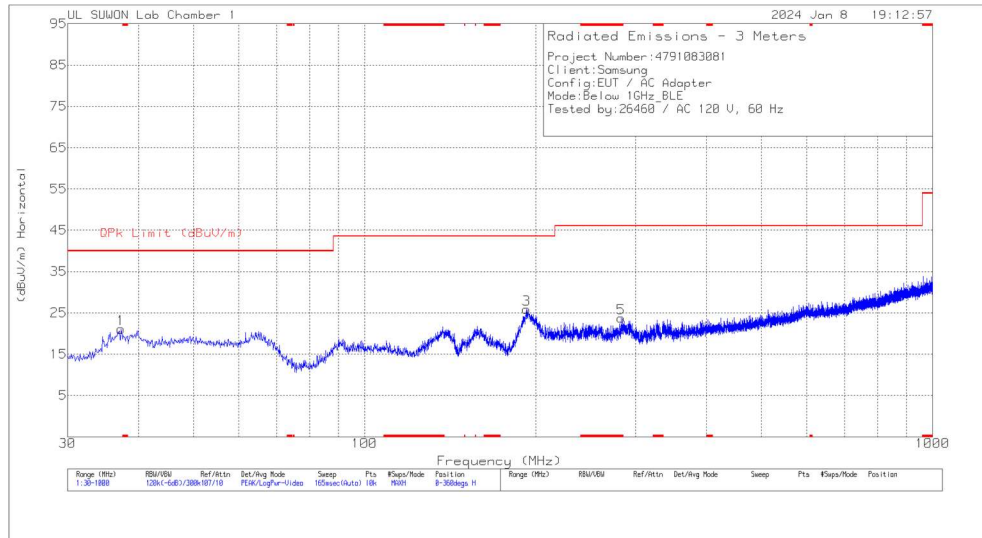
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (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
* 4.95588	35.4	PK2	34	-26	0	43.4	-	-	74	-30.6	0	100	H
* 4.95746	35.32	PK2	34	-26.1	0	43.22	-	-	74	-30.78	0	100	V
* 7.4415	34.85	PK2	35.7	-22.9	0	47.65	-	-	74	-26.35	0	100	H
* 7.43662	34.67	PK2	35.7	-23	0	47.37	-	-	74	-26.63	0	100	V
9.91606	32.21	PK2	37.3	-20.6	0	48.91	-	-	74	-25.09	0	100	H
9.91768	32.76	PK2	37.3	-20.6	0	49.46	-	-	74	-24.54	0	100	V

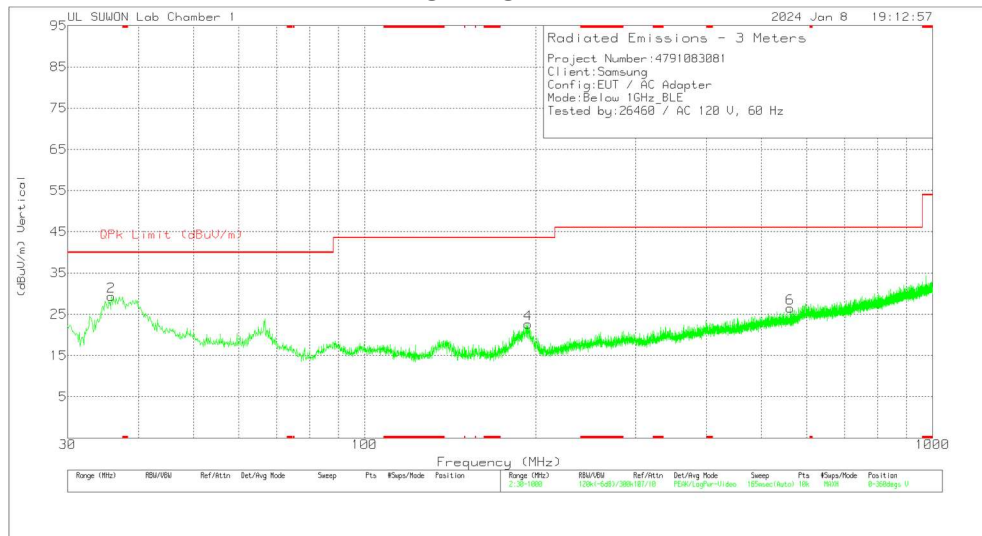
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. 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	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	37.275	34.67	Pk	17.5	-31.1	0	21.07	40	-18.93	0-360	200	H
3	192.96	38.42	Pk	16.8	-29.3	0	25.92	43.52	-17.6	0-360	100	H
5	* 282.685	33.99	Pk	18.4	-28.6	0	23.79	46.02	-22.23	0-360	100	H
2	35.82	43.69	Pk	16.8	-31.1	0	29.39	40	-10.61	0-360	200	V
4	193.833	34.88	Pk	16.9	-29.2	0	22.58	43.52	-20.94	0-360	200	V
6	561.948	30.68	Pk	23.1	-27.3	0	26.48	46.02	-19.54	0-360	400	V

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.

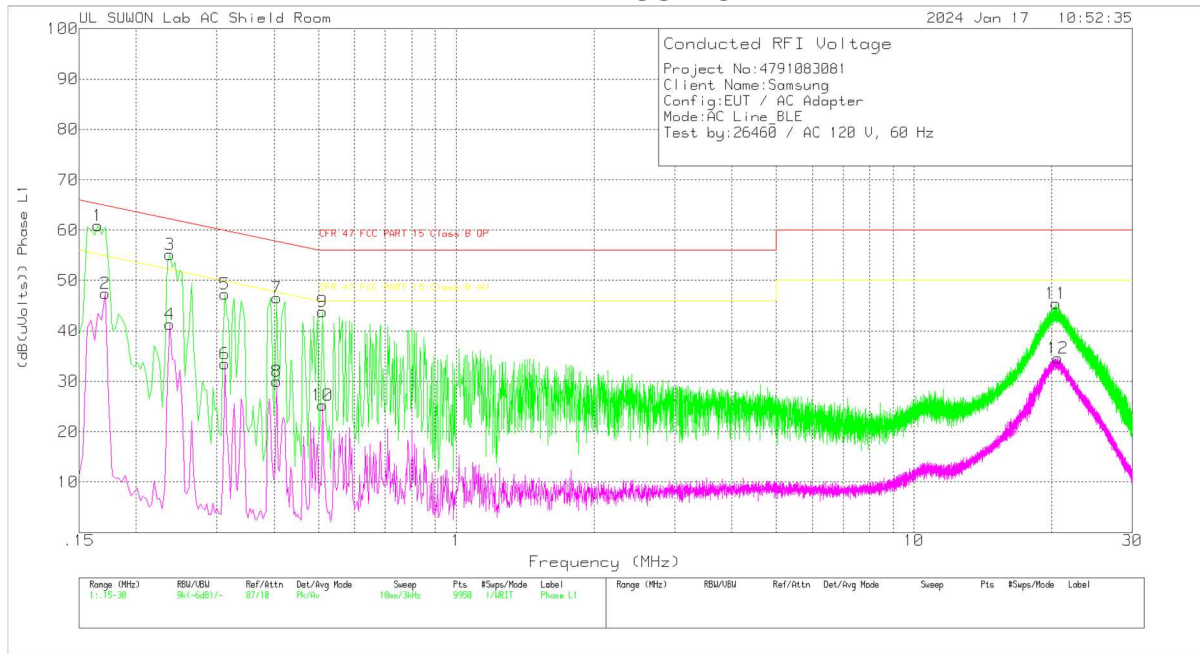
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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]	CABLELOSS [dB]	Corrected Reading (dB(uVolts))	47 CFR FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	47 CFR FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
1	.165	51.34	Pk	9.5	.1	60.94	65.21	-4.27	-	-
2	.171	37.69	Av	9.5	.2	47.39	-	-	54.91	-7.52
3	.237	45.51	Pk	9.5	.2	55.21	62.2	-6.99	-	-
4	.237	31.69	Av	9.5	.2	41.39	-	-	52.2	-10.81
5	.312	37.56	Pk	9.5	.2	47.26	59.92	-12.66	-	-
6	.312	23.76	Av	9.5	.2	33.46	-	-	49.92	-16.46
7	.405	36.84	Pk	9.5	.2	46.54	57.75	-11.21	-	-
8	.405	20.29	Av	9.5	.2	29.99	-	-	47.75	-17.76
9	.51	34.06	Pk	9.6	.2	43.86	56	-12.14	-	-
10	.51	15.45	Av	9.6	.2	25.25	-	-	46	-20.75
11	20.415	35.47	Pk	9.6	.4	45.47	60	-14.53	-	-
12	20.61	24.58	Av	9.6	.4	34.58	-	-	50	-15.42

Pk - Peak detector

Av - Average detection

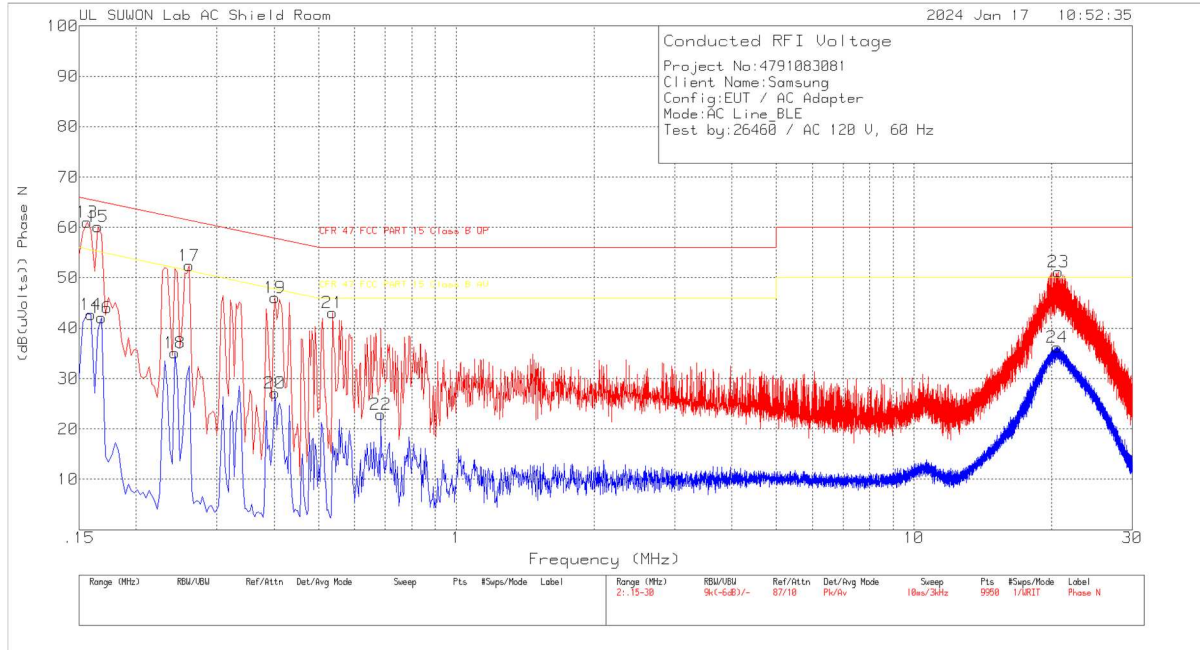
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With EX_L1[dB]	CABLELOSS [dB]	Corrected Reading (dB(uVolts))	47 CFR FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	47 CFR FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
.16575	36.08	Qp	9.5	.1	45.68	65.17	-19.49	-	-
.17175	44.09	Qp	9.5	.2	53.79	64.88	-11.09	-	-
.23625	38.61	Qp	9.5	.2	48.31	62.23	-13.92	-	-

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_L1[dB]	CABLELOSS [dB]	Corrected Reading (dB(uVolts))	47 CFR FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	47 CFR FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
13	.156	51.45	Pk	9.5	.1	61.05	65.67	-4.62	-	-
14	.159	33.15	Av	9.5	.1	42.75	-	-	55.52	-12.77
15	.165	50.6	Pk	9.5	.1	60.2	65.21	-5.01	-	-
16	.168	32.53	Av	9.5	.1	42.13	-	-	55.06	-12.93
17	.261	42.71	Pk	9.5	.2	52.41	61.4	-8.99	-	-
18	.243	25.39	Av	9.5	.2	35.09	-	-	51.99	-16.9
19	.402	36.35	Pk	9.5	.2	46.05	57.81	-11.76	-	-
20	.402	17.39	Av	9.5	.2	27.09	-	-	47.81	-20.72
21	.537	33.26	Pk	9.6	.2	43.06	56	-12.94	-	-
22	.684	13.13	Av	9.6	.2	22.93	-	-	46	-23.07
23	20.682	41.17	Pk	9.6	.4	51.17	60	-8.83	-	-
24	20.583	26.28	Av	9.6	.4	36.28	-	-	50	-13.72

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_L1[dB]	CABLELOSS [dB]	Corrected Reading (dB(uVolts))	47 CFR FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	47 CFR FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
.15675	43.54	Qp	9.5	.1	53.14	65.63	-12.49	-	-
.16575	44.78	Qp	9.5	.1	54.38	65.17	-10.79	-	-
.26025	37.42	Qp	9.5	.2	47.12	61.42	-14.3	-	-
20.6828	25.97	Qp	9.6	.4	35.97	60	-24.03	-	-

Qp - Quasi-Peak detector

END OF TEST REPORT