

## **TEST PROCEDURE**

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted band-edge, Final detection of spurious harmonic emissions)  
Duty cycle factor =  $10 \log(1/x)$ . For this sample: For 1 Mbps, DCF =  $10\log(1/0.517)=2.869$  dB (Spectrum Analyzer round it up to 2.87 dB) and for 2 Mbps, DCF =  $10\log(1/0.387)=4.124$  dB (Spectrum Analyzer round it up to 4.12 dB).

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.  
(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

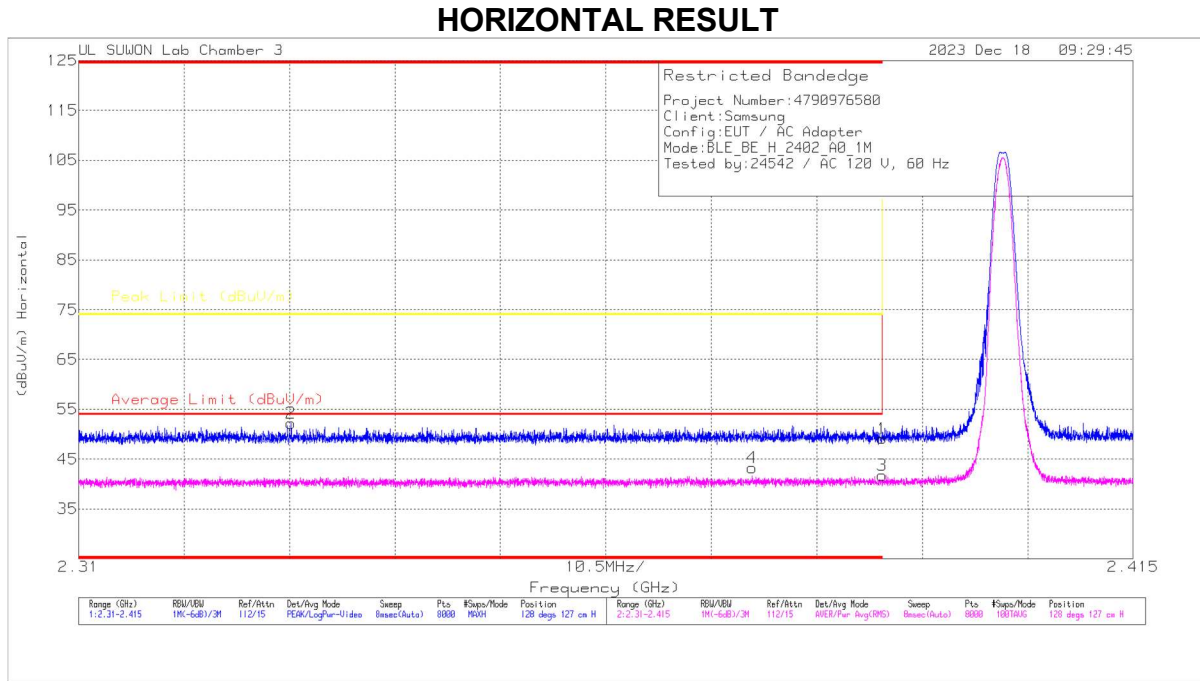
Note : Emission was pre-scanned from 9kHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).  
Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are test site.  
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

## 10.2. TRANSMITTER ABOVE 1 GHz

### 10.2.1. 1 Mbps ANT1

#### BANDEDGE (0 CHANNEL)

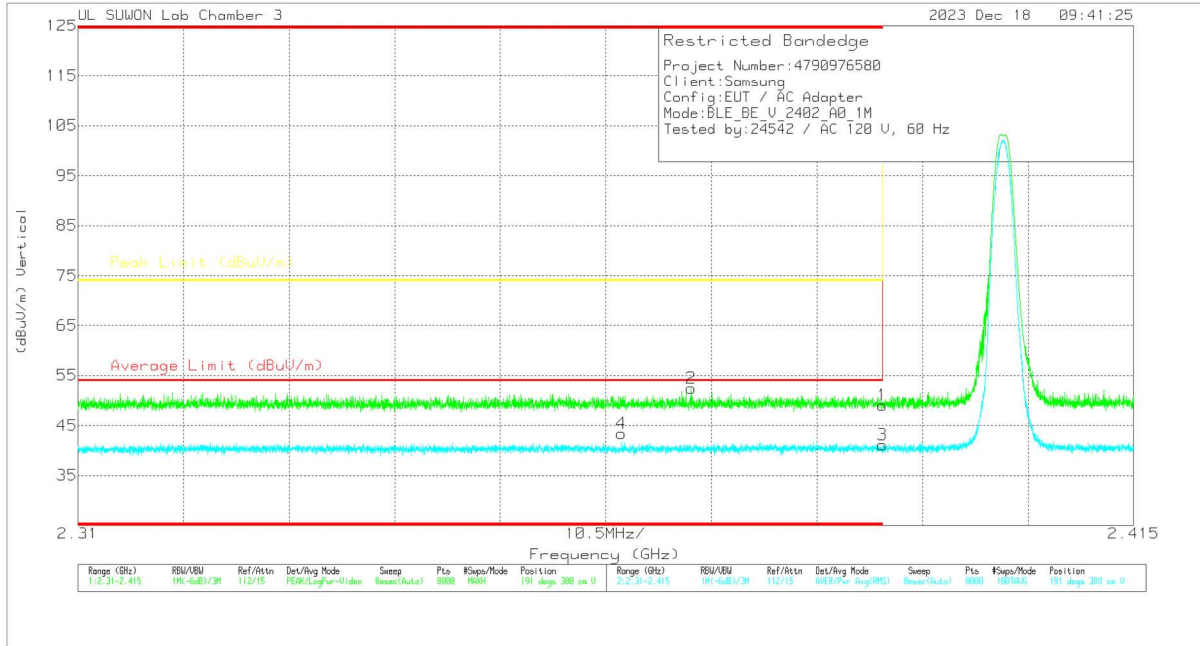


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	Antenna Correction Factor (dBm)	Loss (dB)	DC Cor (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	41.83	Pk	32.1	-24.8	0	49.13	-	-	74	-24.87	128	127	H
2	* 2.3116	45.15	Pk	31.9	-24.8	0	52.25	-	-	74	-21.75	128	127	H
3	* 2.39	31.63	RMS	32.1	-24.8	2.87	41.8	54	-12.2	-	-	128	127	H
4	* 2.37708	33.13	RMS	32.1	-24.8	2.87	43.3	54	-10.7	-	-	128	127	H

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

### VERTICAL RESULT



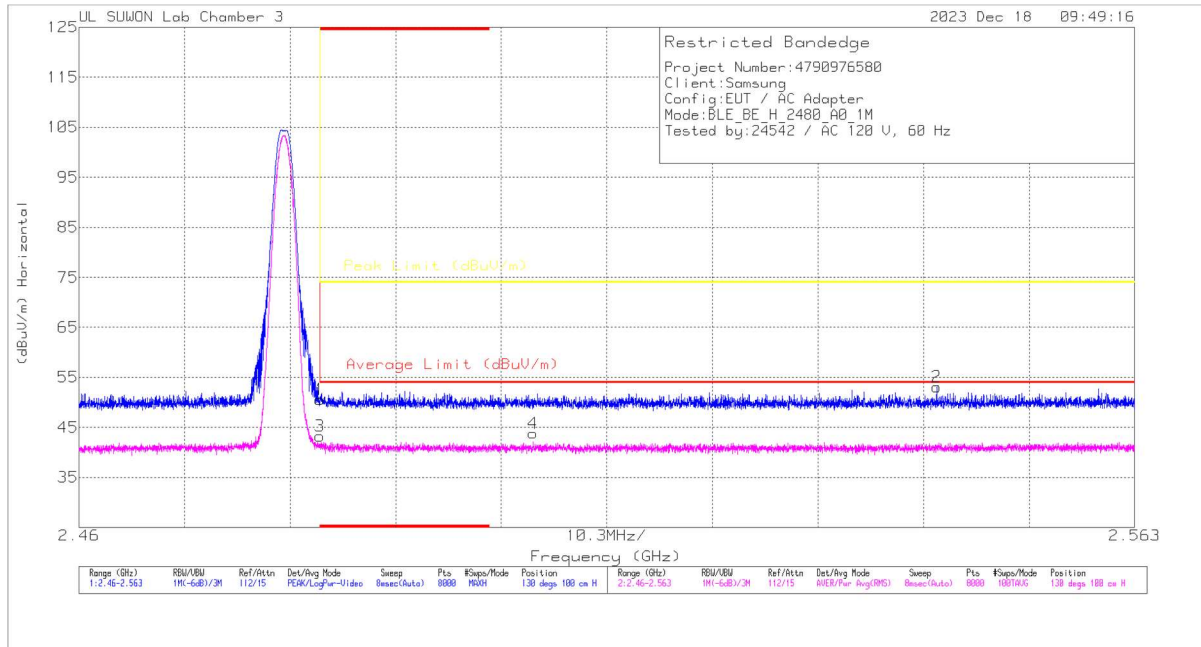
### Trace Markers

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	* 2.39	41.8	PK	32.1	-24.8	0	49.1	-	-	74	-24.9	191	388	V
2	* 2.37097	45.23	PK	32	-24.8	0	52.43	-	-	74	-21.57	191	388	V
3	* 2.39	30.94	RMS	32.1	-24.8	2.87	41.11	54	-12.89	-	-	191	388	V
4	* 2.36404	33.43	RMS	32	-24.9	2.87	43.4	54	-10.6	-	-	191	388	V

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

**BANDEDGE (39 CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

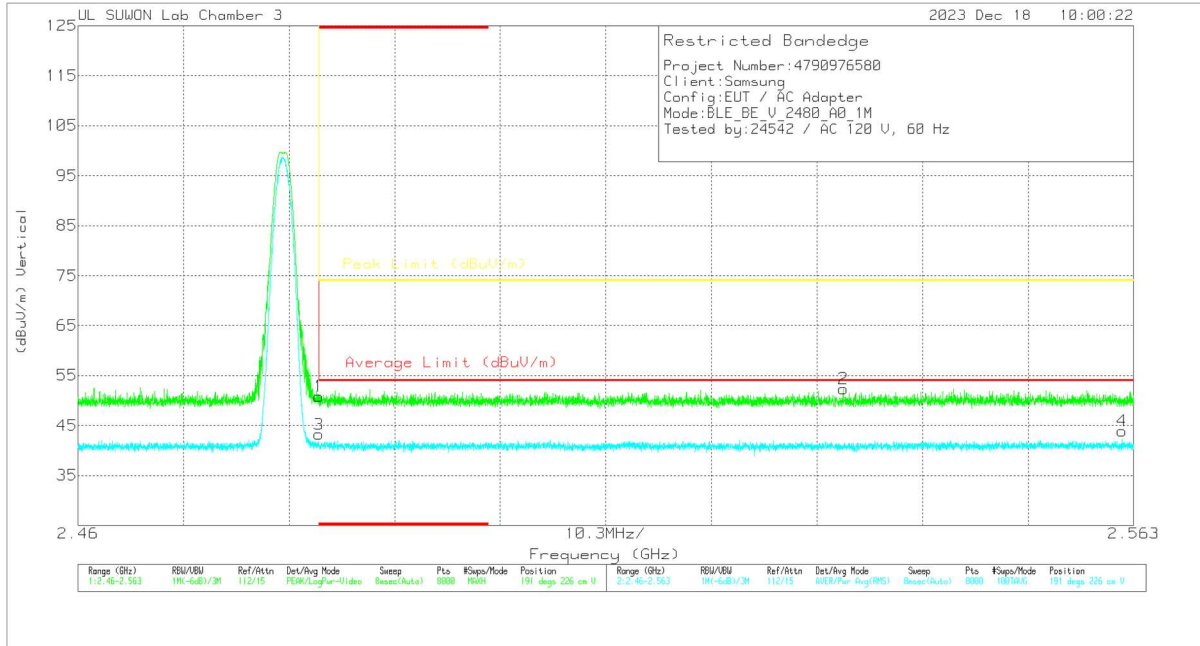
Marker	Frequency (GHz)	Meter Reading (dBu)	Det	Antenna Correction Factor(dBm)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	43.01	Pk	32.4	-24.8	0	50.61	-	-	74	-23.39	130	100	H
2	2.54367	45.84	Pk	32.4	-24.7	0	53.14	-	-	74	-20.86	130	100	H
3	* 2.4835	32.81	RMS	32.4	-24.8	2.87	43.28	54	-10.72	-	-	130	100	H
4	2.5043	33.27	RMS	32.4	-24.7	2.87	43.84	54	-10.16	-	-	130	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	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	* 2.4835	43.2	PK	32.4	-24.8	0	50.8	-	-	74	-23.2	191	226	V
2	2.53467	44.77	PK	32.4	-24.8	0	52.37	-	-	74	-21.63	191	226	V
3	* 2.4835	32.75	RMS	32.4	-24.8	2.87	43.22	54	-10.78	-	-	191	226	V
4	2.5619	33.48	RMS	32.4	-24.8	2.87	43.95	54	-10.05	-	-	191	226	V

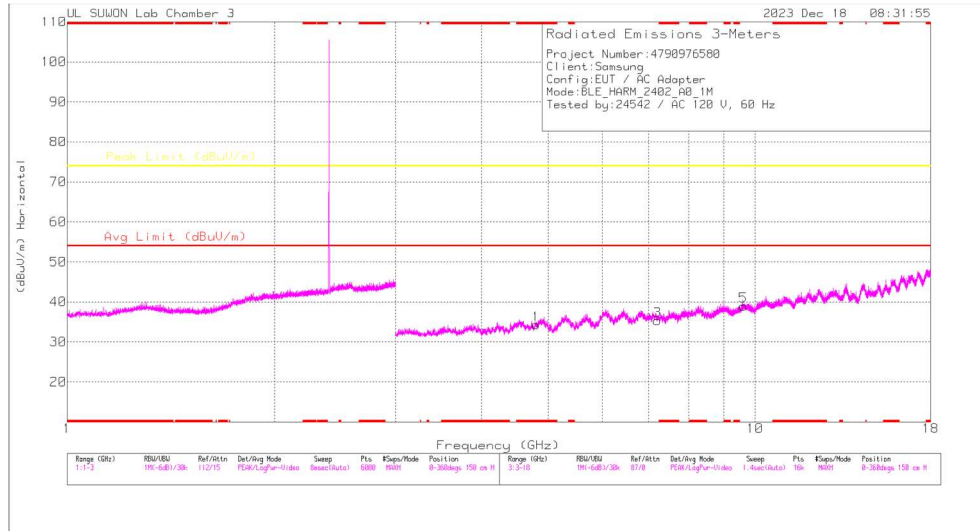
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

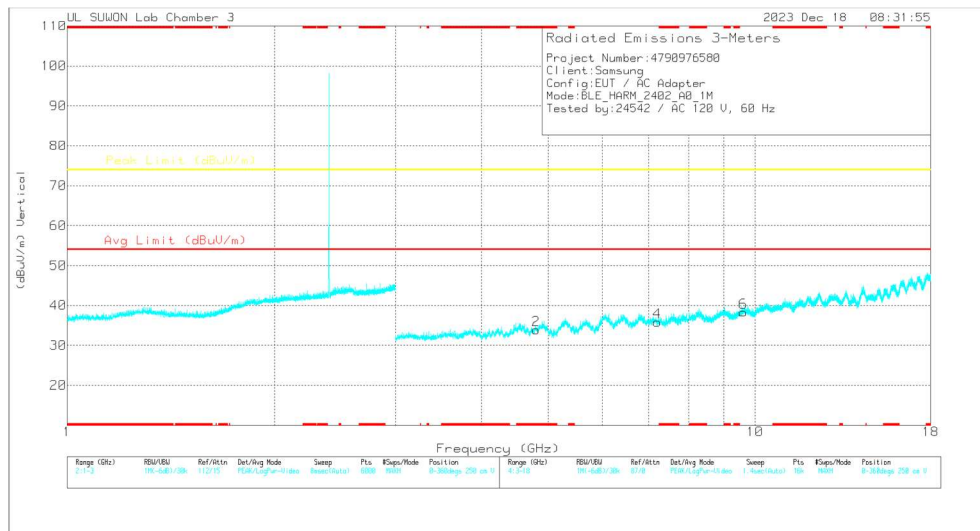
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## 0 CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

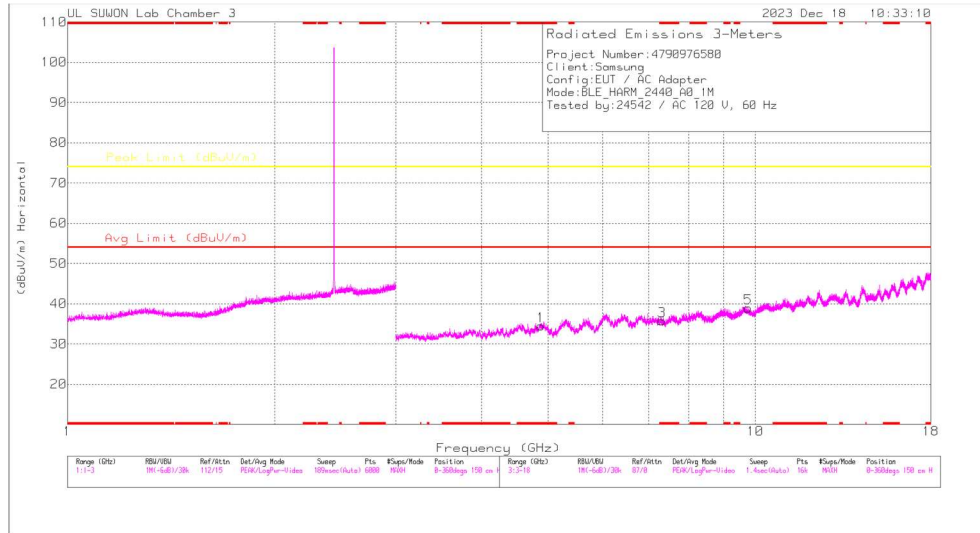
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### Radiated Emissions

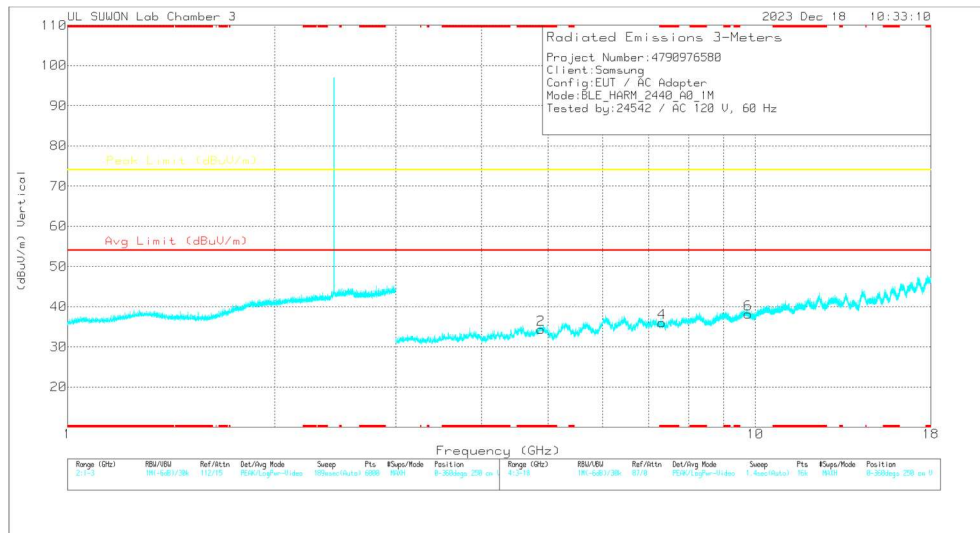
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80443	39.75	PK2	34.3	-30.1	0	43.95	-	-	74	-30.05	0	100	H
* 4.80826	39.82	PK2	34.3	-30	0	44.12	-	-	74	-29.88	360	100	V
7.20598	36.16	PK2	35.8	-25.9	0	46.06	-	-	74	-27.94	360	100	H
7.20521	36.49	PK2	35.8	-25.9	0	46.39	-	-	74	-27.61	116	103	V
9.60541	33.55	PK2	36.7	-21.8	0	48.45	-	-	74	-25.55	0	100	H
9.61367	33.7	PK2	36.7	-21.7	0	48.7	-	-	74	-25.3	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.

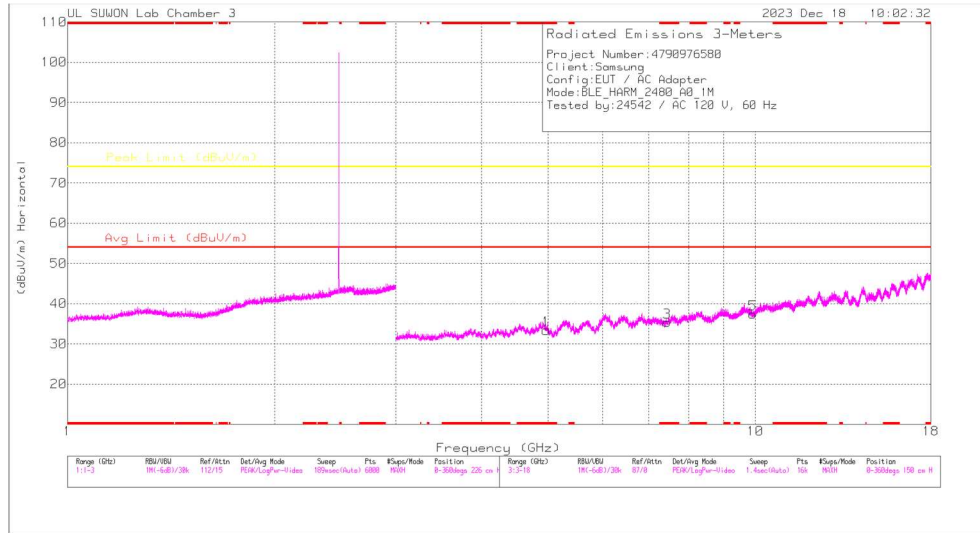
#### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	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
* 4.88111	40.52	PK2	34.2	-29.9	0	44.82	-	-	74	-29.18	0	100	H
* 4.87737	40.92	PK2	34.2	-29.9	0	45.22	-	-	74	-28.78	0	100	V
* 7.31962	35.41	PK2	35.8	-25.5	0	45.71	-	-	74	-28.29	0	100	H
* 7.32022	35.06	PK2	35.8	-25.5	0	45.36	-	-	74	-28.64	0	100	V
9.75668	33.33	PK2	36.9	-21.6	0	48.63	-	-	74	-25.37	0	100	H
9.75812	32.77	PK2	36.9	-21.5	0	48.17	-	-	74	-25.83	0	100	V

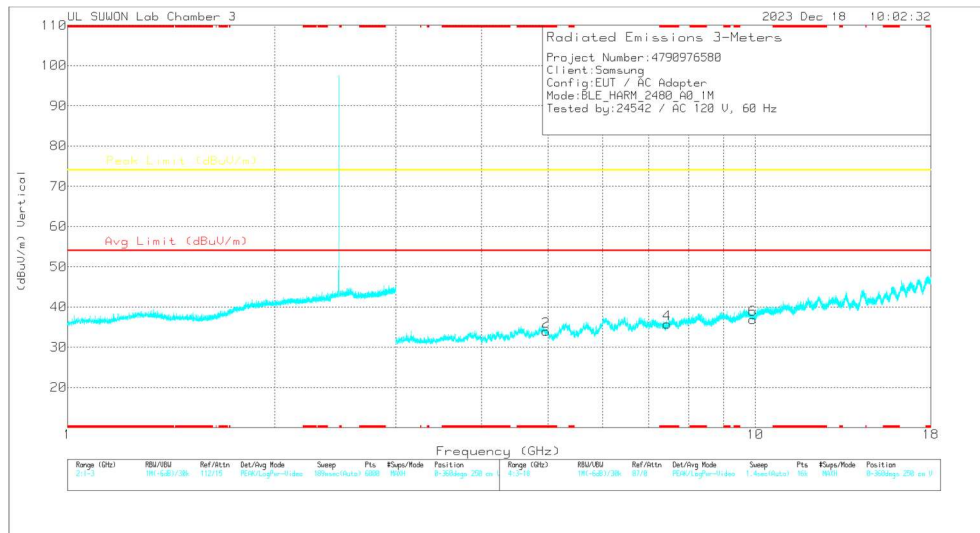
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak



### 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	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
* 4.9555	39.59	PK2	34.3	-30.1	0	43.79	-	-	74	-30.21	0	100	H
* 4.9643	40.43	PK2	34.3	-30.2	0	44.53	-	-	74	-29.47	0	100	V
* 7.44033	35.09	PK2	35.7	-25.2	0	45.59	-	-	74	-28.41	0	100	H
* 7.44364	35.39	PK2	35.7	-25.2	0	45.89	-	-	74	-28.11	0	100	V
9.91911	31.72	PK2	37.1	-21.4	0	47.42	-	-	74	-26.58	0	100	H
9.92152	32.41	PK2	37.1	-21.3	0	48.21	-	-	74	-25.79	0	100	V

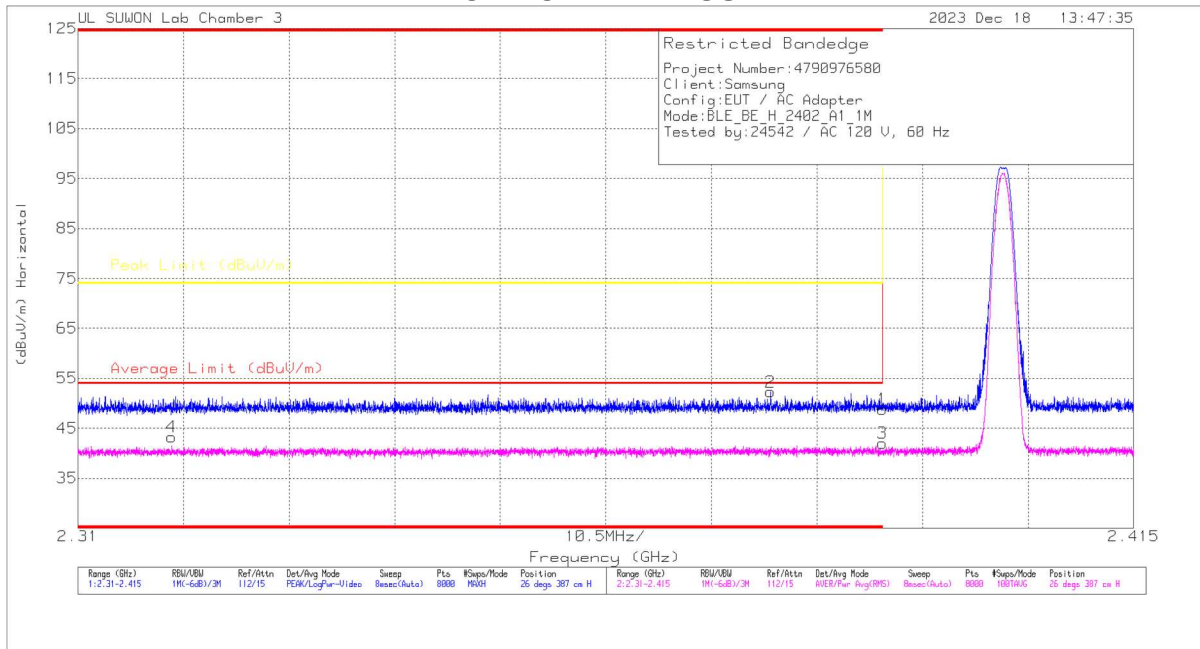
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak



10.2.2. 1 Mbps ANT2

BANDEDGE (0 CHANNEL)

HORIZONTAL RESULT

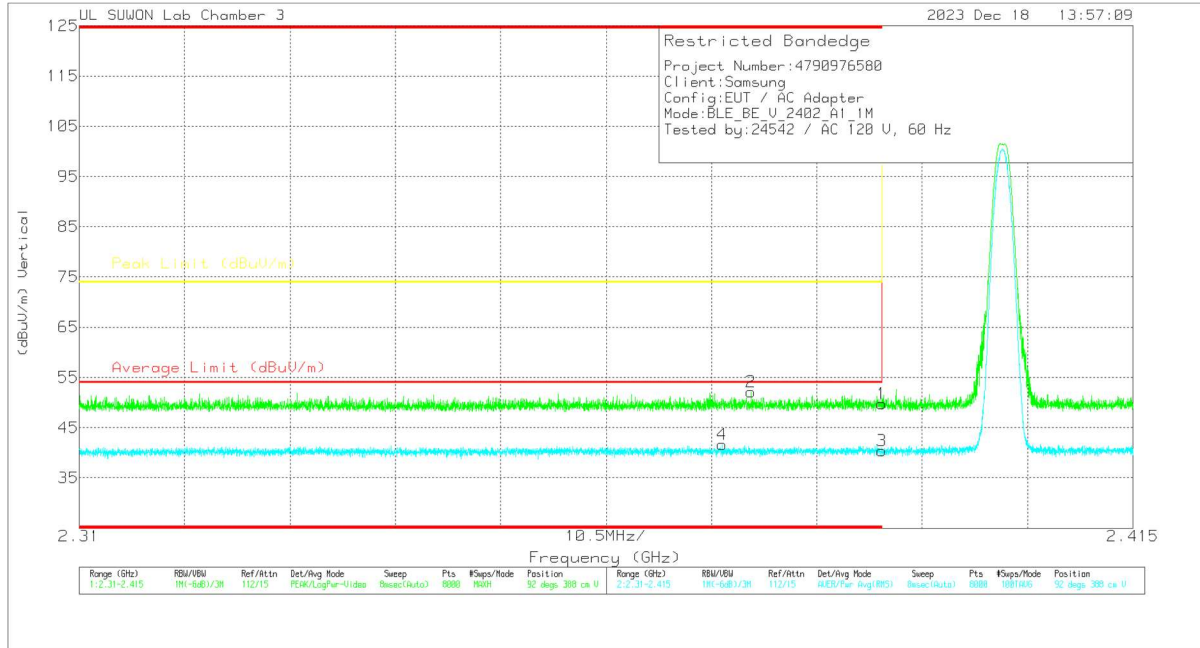


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (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	* 2.39	41.48	Pk	32.1	-24.8	0	48.78	-	-	74	-25.22	26	387	H
2	* 2.3789	45.08	Pk	32.1	-24.9	0	52.28	-	-	74	-21.72	26	387	H
3	* 2.39	31.82	RMS	32.1	-24.8	2.87	41.99	54	-12.01	-	-	26	387	H
4	* 2.31935	33.31	RMS	31.9	-24.8	2.87	43.28	54	-10.72	-	-	26	387	H

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

### VERTICAL RESULT



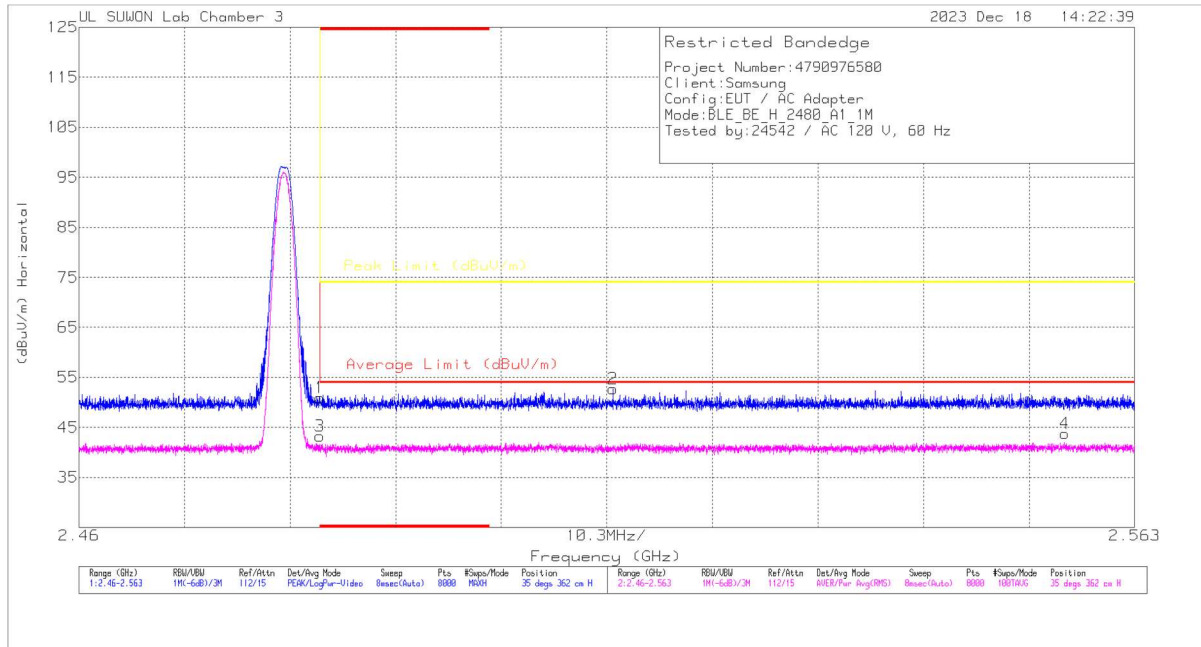
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	Antenna Correction Factor(dBm)	Loss(dB)	DC Cor (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	42.48	Pk	32.1	-24.8	0	49.78	-	-	74	-24.22	92	388	V
2	* 2.37692	44.86	Pk	32.1	-24.8	0	52.16	-	-	74	-21.84	92	388	V
3	* 2.39	31.93	RMS	32.1	-24.8	2.87	42.1	54	-11.9	-	-	92	388	V
4	* 2.37406	33.36	RMS	32	-24.9	2.87	43.33	54	-10.67	-	-	92	388	V

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

**BANDEDGE (39 CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

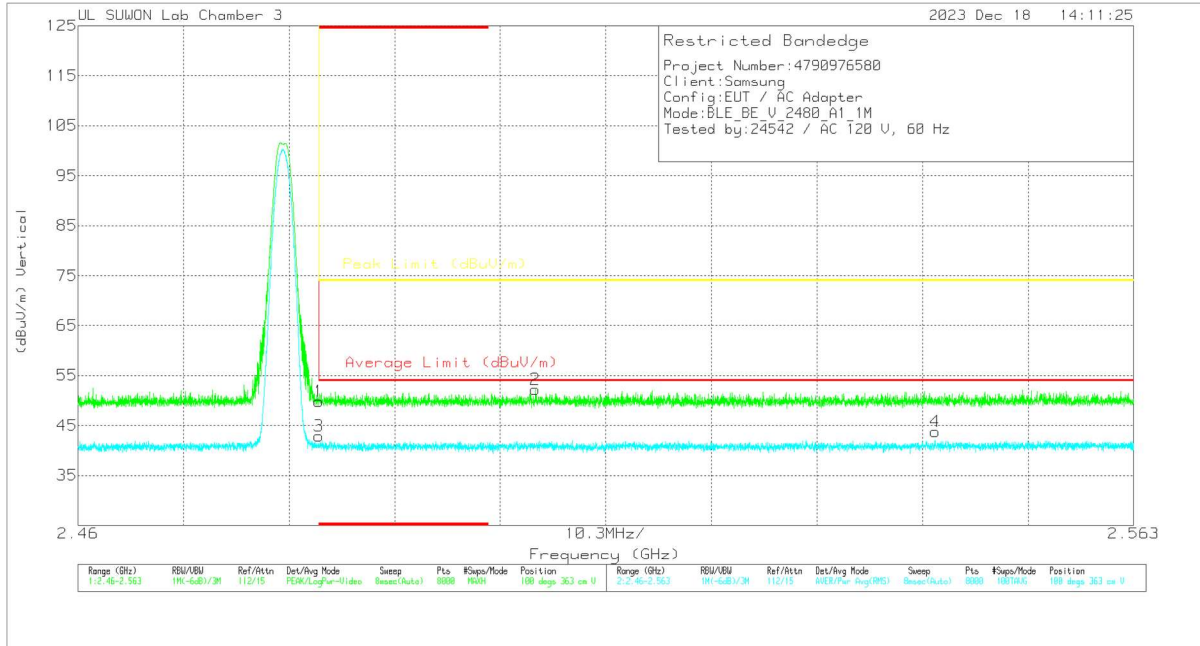
Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	Antenna Correction Factor(dBm)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	43.34	Pk	32.4	-24.8	0	50.94	-	-	74	-23.06	35	362	H
2	2.51209	45.1	Pk	32.4	-24.8	0	52.7	-	-	74	-21.3	35	362	H
3	* 2.4835	32.86	RMS	32.4	-24.8	2.87	43.33	54	-10.67	-	-	35	362	H
4	2.55619	33.19	RMS	32.4	-24.7	2.87	43.76	54	-10.24	-	-	35	362	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



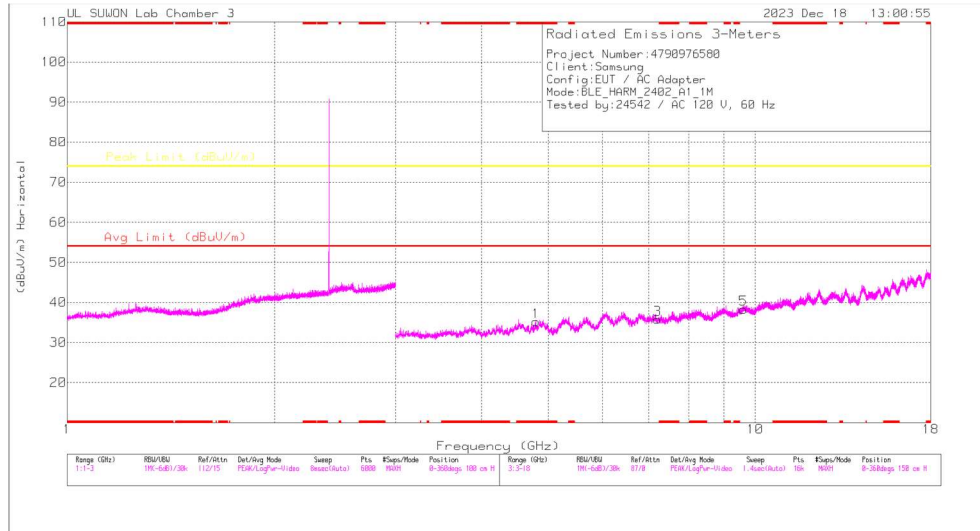
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dBm)	Loss(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	* 2.4835	42.2	PK	32.4	-24.8	0	49.8	-	-	74	-24.2	100	363	V
2	2.50462	44.49	PK	32.4	-24.7	0	52.19	-	-	74	-21.81	100	363	V
3	* 2.4835	32.46	RMS	32.4	-24.8	2.87	42.93	54	-11.07	-	-	100	363	V
4	2.54362	33.2	RMS	32.4	-24.7	2.87	43.77	54	-10.23	-	-	100	363	V

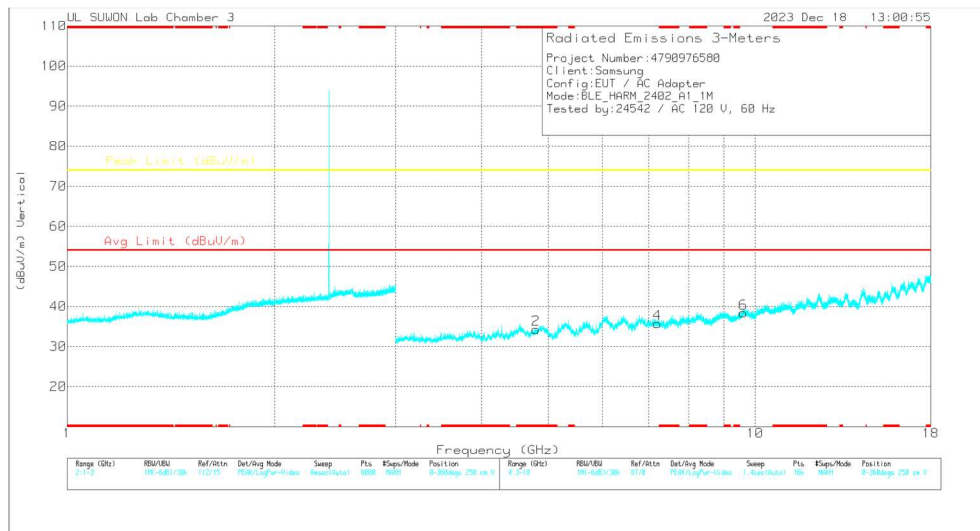
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## 0 CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

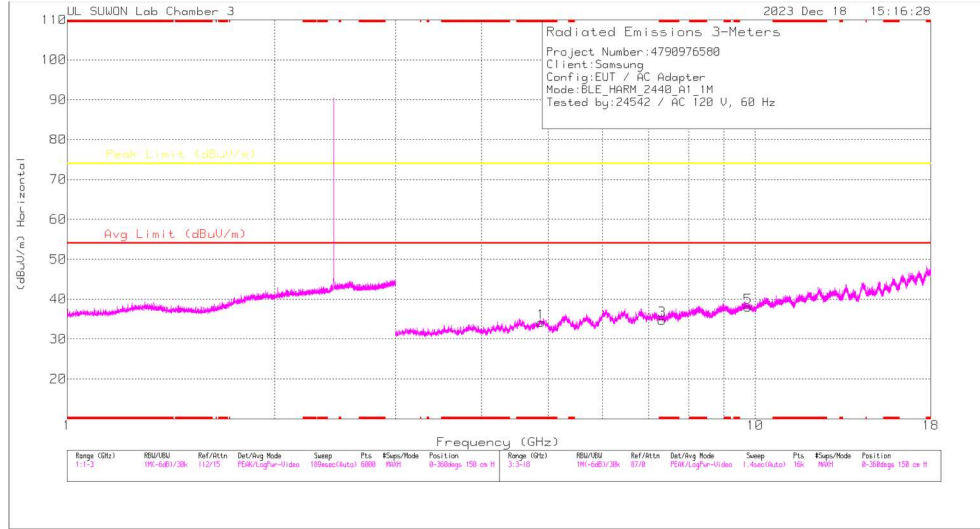
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### Radiated Emissions

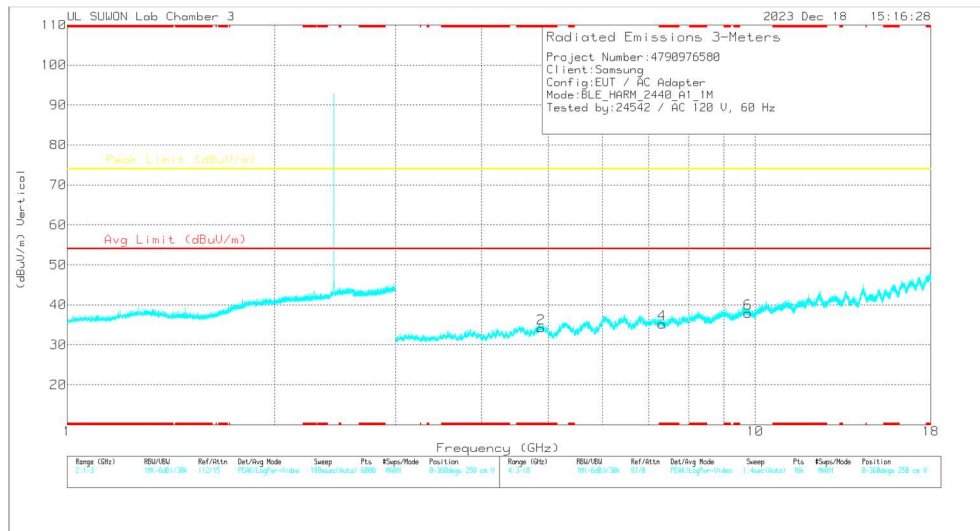
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80868	39.99	PK2	34.3	-30.1	0	44.19	-	-	74	-29.81	0	100	H
* 4.80829	39.91	PK2	34.3	-30	0	44.21	-	-	74	-29.79	360	100	V
7.20612	35.67	PK2	35.8	-25.9	0	45.57	-	-	74	-28.43	360	100	H
7.20561	36.17	PK2	35.8	-25.9	0	46.07	-	-	74	-27.93	109	103	V
9.60785	33.38	PK2	36.7	-21.7	0	48.38	-	-	74	-25.62	0	100	H
9.61314	33.99	PK2	36.7	-21.7	0	48.99	-	-	74	-25.01	87	104	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.

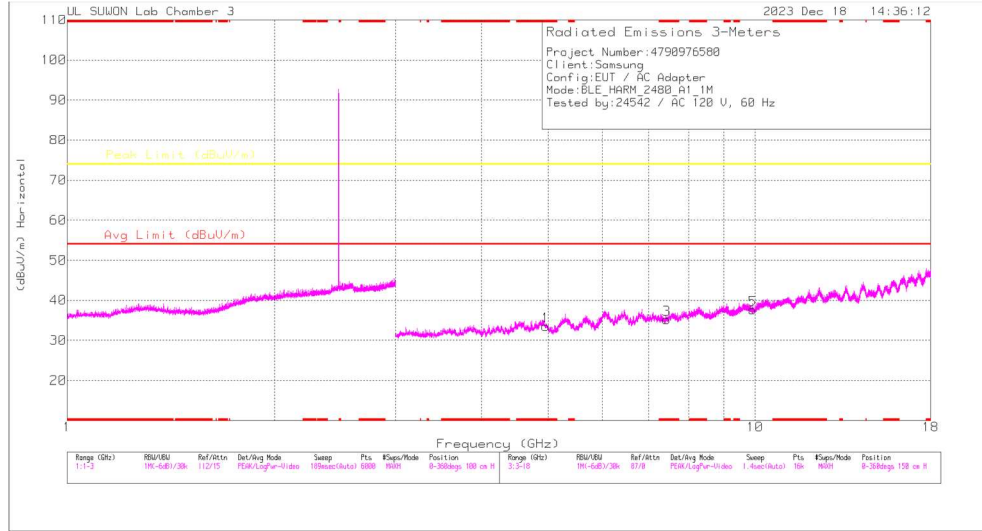
### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dBm)	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
* 4.88135	39.76	PK2	34.2	-29.9	0	44.06	-	-	74	-29.94	0	100	H
* 4.8849	40.25	PK2	34.2	-29.9	0	44.55	-	-	74	-29.45	0	100	V
* 7.32115	35.21	PK2	35.8	-25.5	0	45.51	-	-	74	-28.49	0	100	H
* 7.32342	35.69	PK2	35.8	-25.5	0	45.99	-	-	74	-28.01	94	100	V
9.76181	32.97	PK2	36.9	-21.5	0	48.37	-	-	74	-25.63	0	100	H
9.76252	32.33	PK2	36.9	-21.5	0	47.73	-	-	74	-26.27	0	100	V

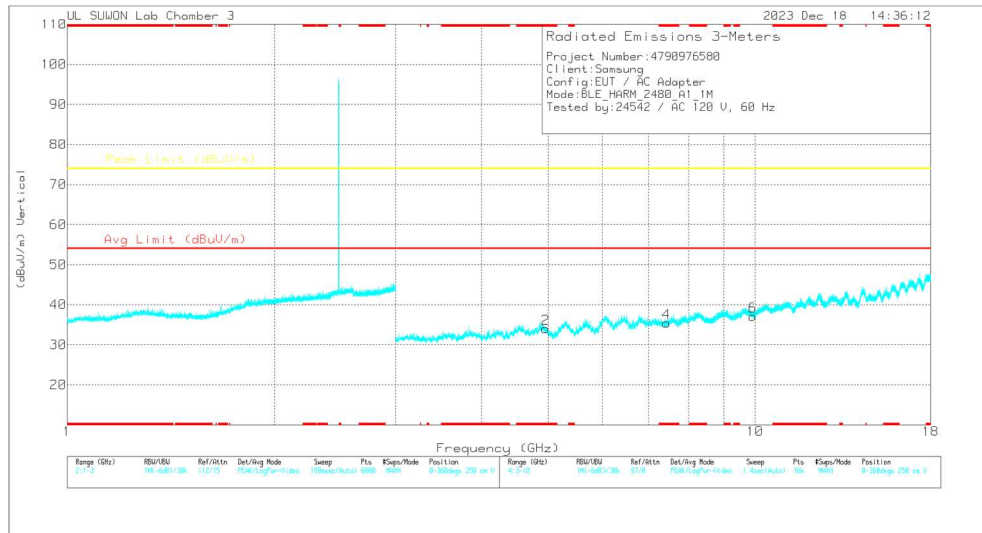
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak



### 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	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
* 4.95553	39.88	PK2	34.3	-30.1	0	44.08	-	-	74	-29.92	0	100	H
* 4.96351	39.84	PK2	34.3	-30.1	0	44.04	-	-	74	-29.96	0	100	V
* 7.44087	34.79	PK2	35.7	-25.2	0	45.29	-	-	74	-28.71	0	100	H
* 7.43969	35.78	PK2	35.7	-25.2	0	46.28	-	-	74	-27.72	100	103	V
9.91539	32.25	PK2	37.1	-21.4	0	47.95	-	-	74	-26.05	0	100	H
9.9194	31.77	PK2	37.1	-21.4	0	47.47	-	-	74	-26.53	0	100	V

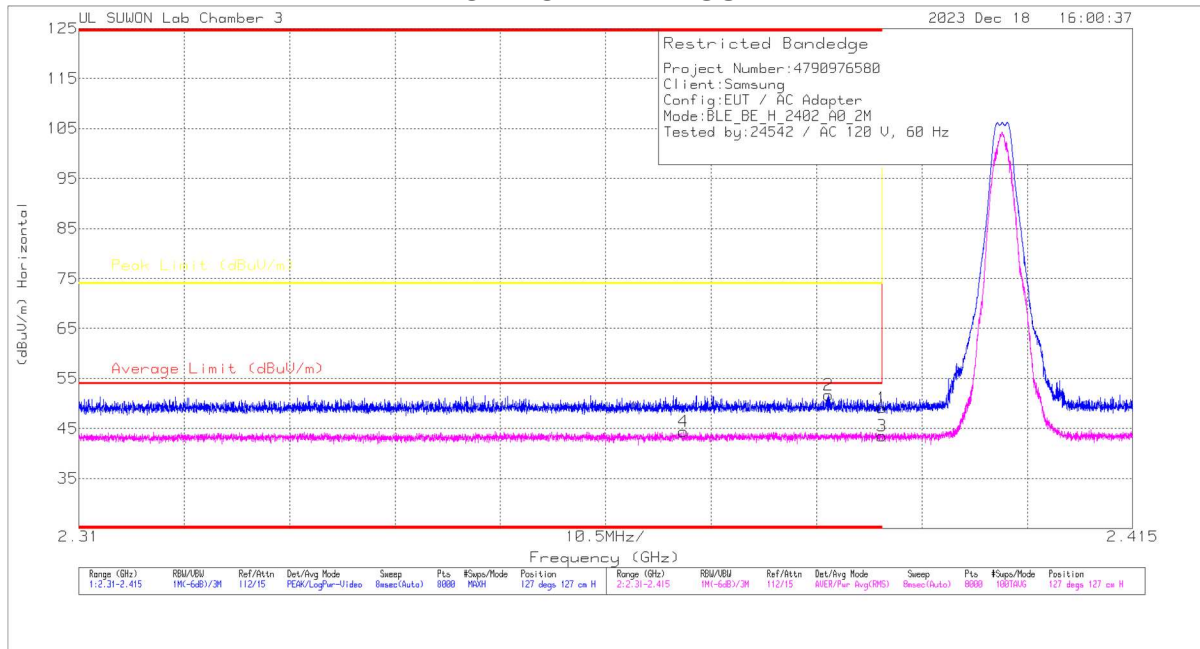
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak



**10.2.3. 2 Mbps ANT1**

**BANDEDGE (0 CHANNEL)**

**HORIZONTAL RESULT**

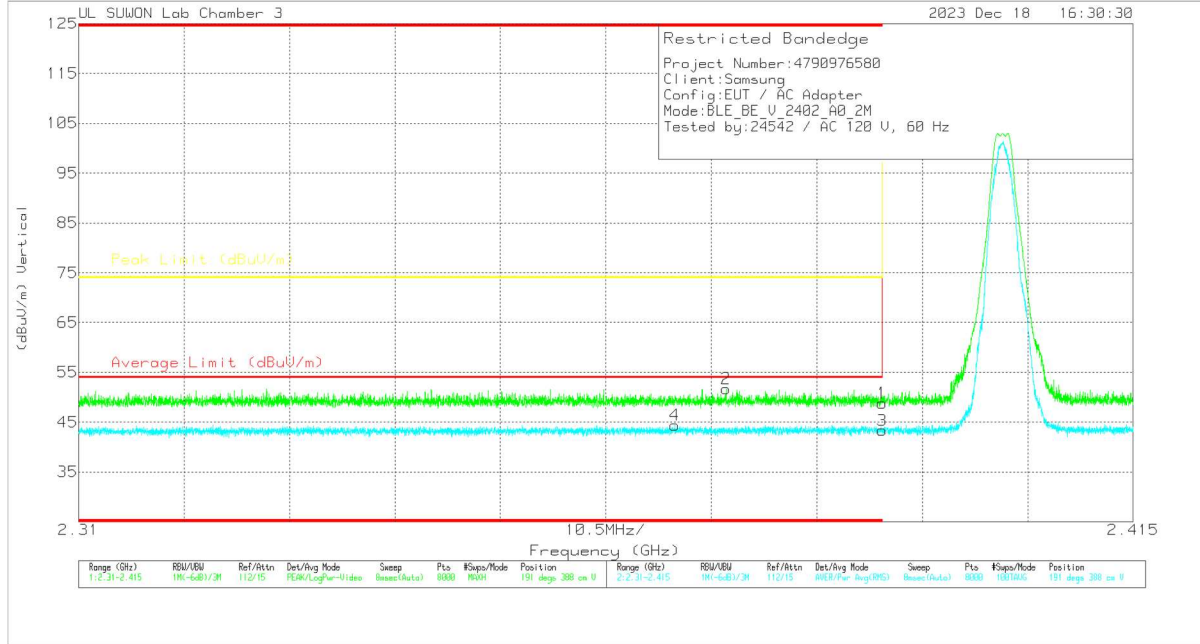


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (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	* 2.39	41.83	PK	32.1	-24.8	0	49.13	-	-	74	-24.87	127	127	H
2	* 2.38468	44.55	PK	32.1	-24.9	0	51.75	-	-	74	-22.25	127	127	H
3	* 2.39	32.15	RMS	32.1	-24.8	4.12	43.57	54	-10.43	-	-	127	127	H
4	* 2.37025	33.11	RMS	32	-24.8	4.12	44.43	54	-9.57	-	-	127	127	H

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

### VERTICAL RESULT



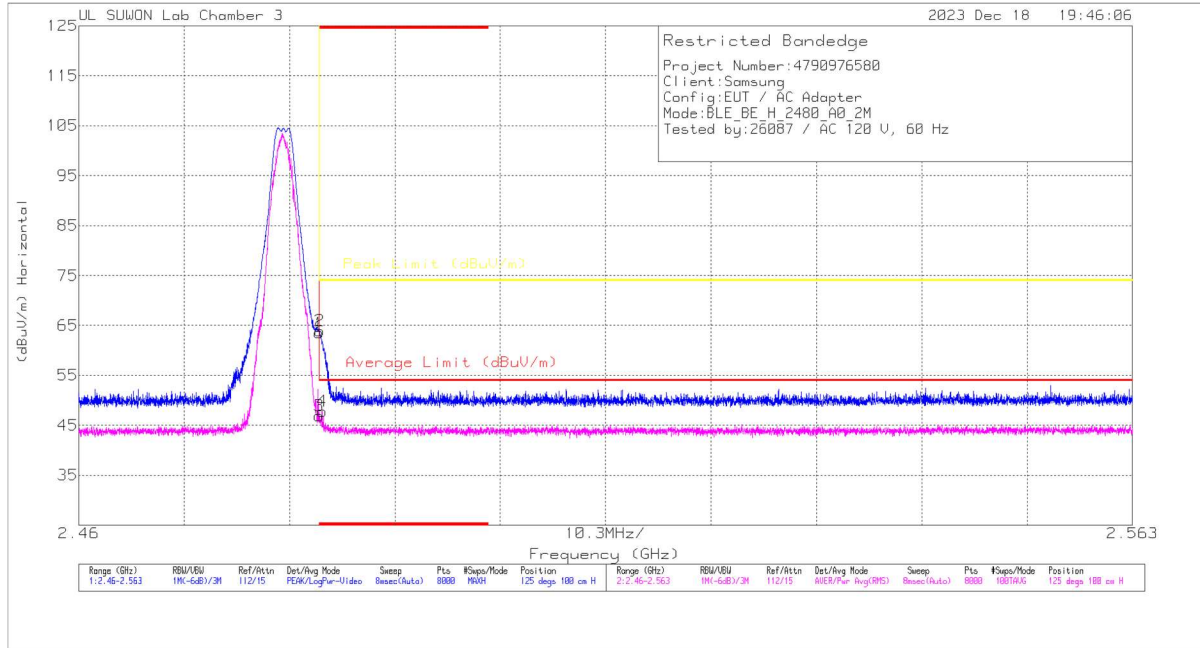
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.54	PK	32.1	-24.8	0	48.84	-	-	74	-25.16	191	388	V
2	* 2.37447	44.65	PK	32	-24.9	0	51.75	-	-	74	-22.25	191	388	V
3	* 2.39	31.93	RMS	32.1	-24.8	4.12	43.35	54	-10.65	-	-	191	388	V
4	* 2.36939	33.12	RMS	32	-24.8	4.12	44.44	54	-9.56	-	-	191	388	V

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

**BANDEDGE (39 CHANNEL)**

**HORIZONTAL RESULT**

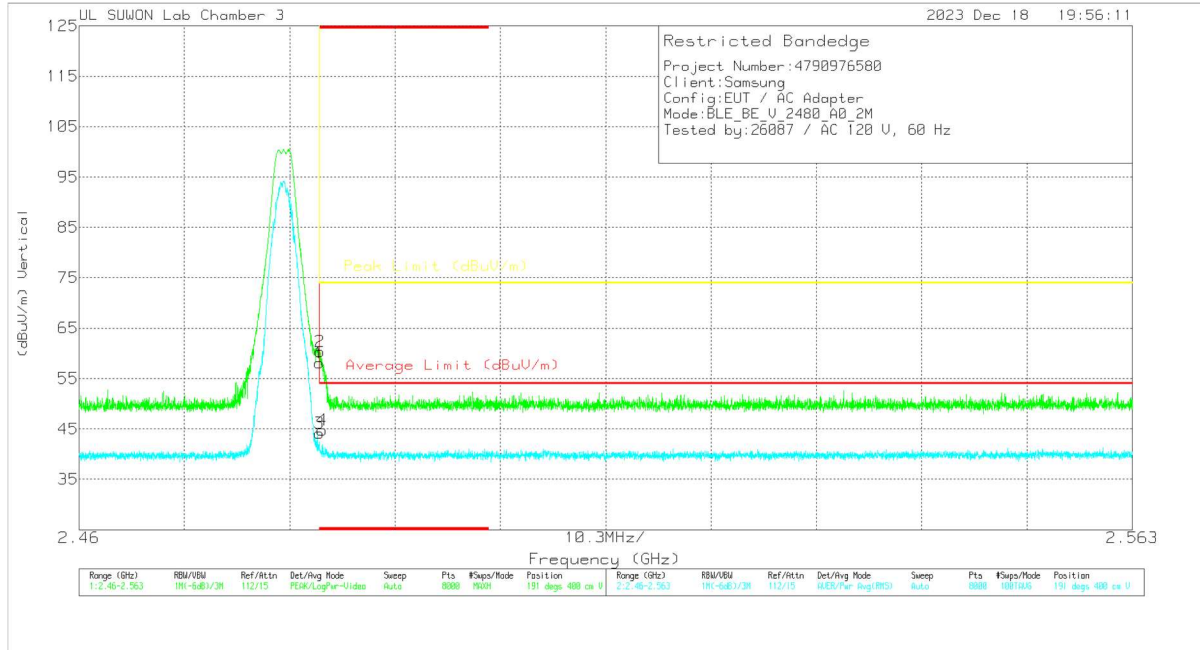


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dBm)	Loss(dB)	DC 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	* 2.4835	55.9	PK	32.4	-24.8	0	63.5	-	-	74	-10.5	125	100	H
2	* 2.48358	56.38	PK	32.4	-24.8	0	63.98	-	-	74	-10.02	125	100	H
3	* 2.4835	35.19	RMS	32.4	-24.8	4.12	46.91	54	-7.09	-	-	125	100	H
4	* 2.48381	36.06	RMS	32.4	-24.8	4.12	47.78	54	-6.22	-	-	125	100	H

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

### VERTICAL RESULT



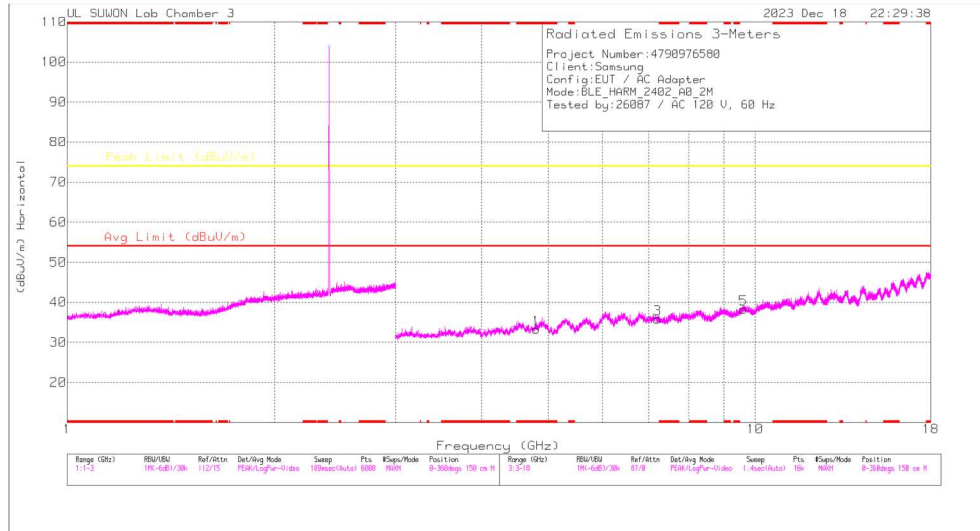
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (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	* 2.4835	50.52	PK	32.4	-24.8	0	58.12	-	-	74	-15.88	191	400	V
2	* 2.48355	52.7	PK	32.4	-24.8	0	60.3	-	-	74	-13.7	191	400	V
3	* 2.4835	33.71	RMS	32.4	-24.8	4.12	45.43	54	-8.57	-	-	191	400	V
4	* 2.48377	34.28	RMS	32.4	-24.8	4.12	46	54	-8	-	-	191	400	V

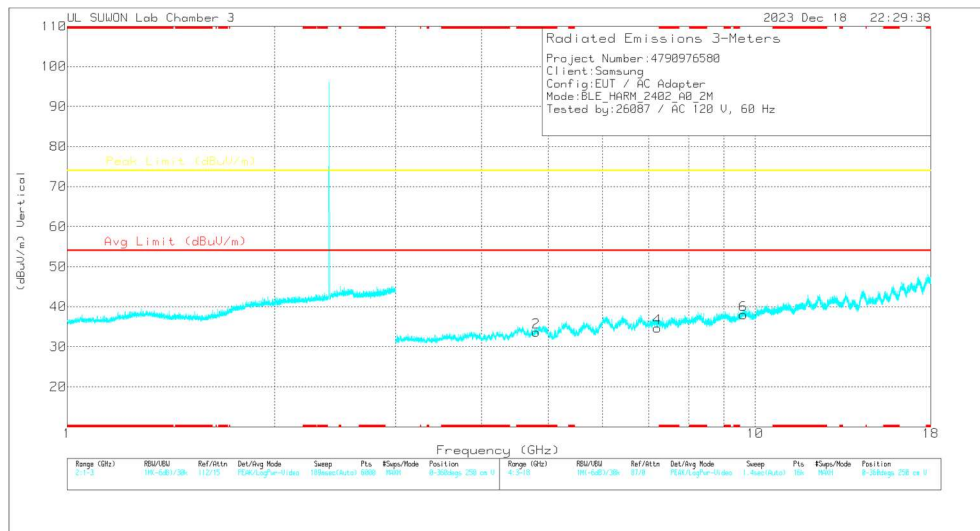
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### 0 CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

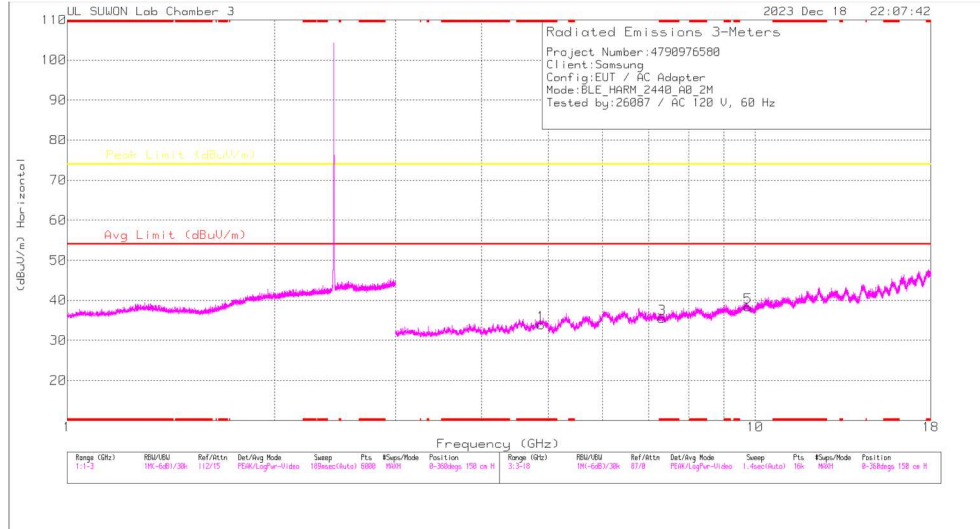
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### Radiated Emissions

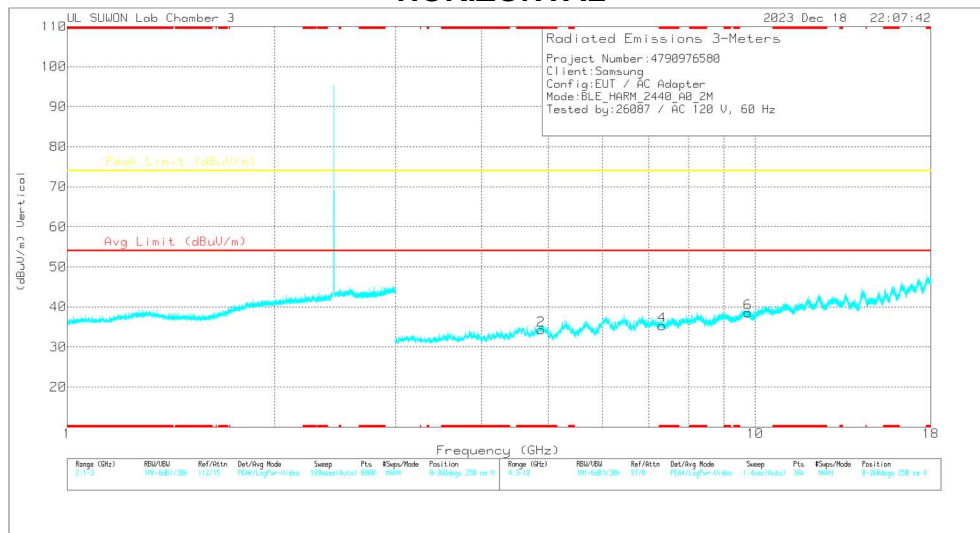
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80456	39.88	PK2	34.3	-30.1	0	44.08	-	-	74	-29.92	1	100	H
* 4.80459	39.98	PK2	34.3	-30.1	0	44.18	-	-	74	-29.82	1	100	V
7.20666	35.56	PK2	35.8	-25.9	0	45.46	-	-	74	-28.54	1	100	H
7.20695	36.19	PK2	35.8	-25.9	0	46.09	-	-	74	-27.91	1	100	V
9.60899	33.66	PK2	36.7	-21.7	0	48.66	-	-	74	-25.34	1	100	H
9.60888	33.55	PK2	36.7	-21.7	0	48.55	-	-	74	-25.45	1	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.

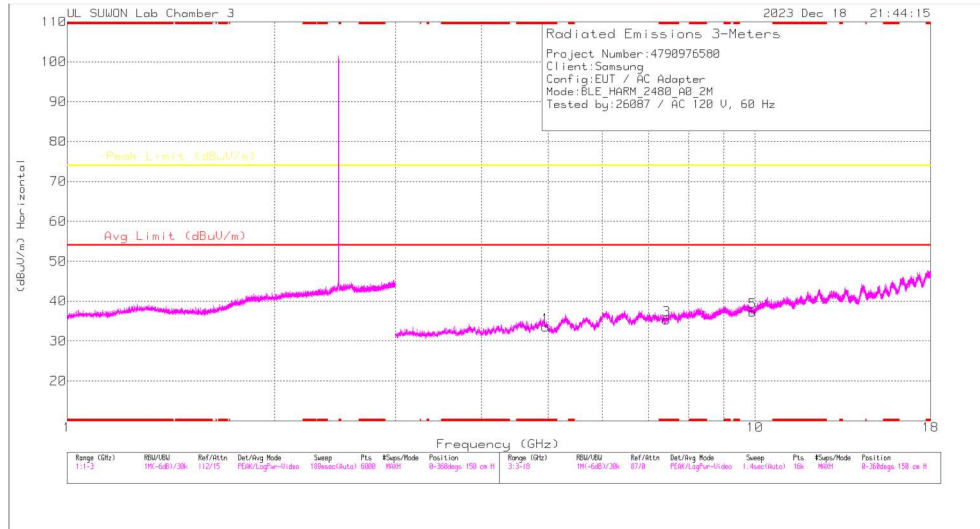
### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	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
* 4.88082	40.04	PK2	34.2	-29.9	0	44.34	-	-	74	-29.66	0	100	H
* 4.88098	40.49	PK2	34.2	-29.9	0	44.79	-	-	74	-29.21	0	100	V
* 7.32046	35.74	PK2	35.8	-25.5	0	46.04	-	-	74	-27.96	0	100	H
* 7.32036	35.1	PK2	35.8	-25.5	0	45.4	-	-	74	-28.6	0	100	V
9.76067	32.94	PK2	36.9	-21.5	0	48.34	-	-	74	-25.66	0	100	H
9.76094	32.96	PK2	36.9	-21.5	0	48.36	-	-	74	-25.64	0	100	V

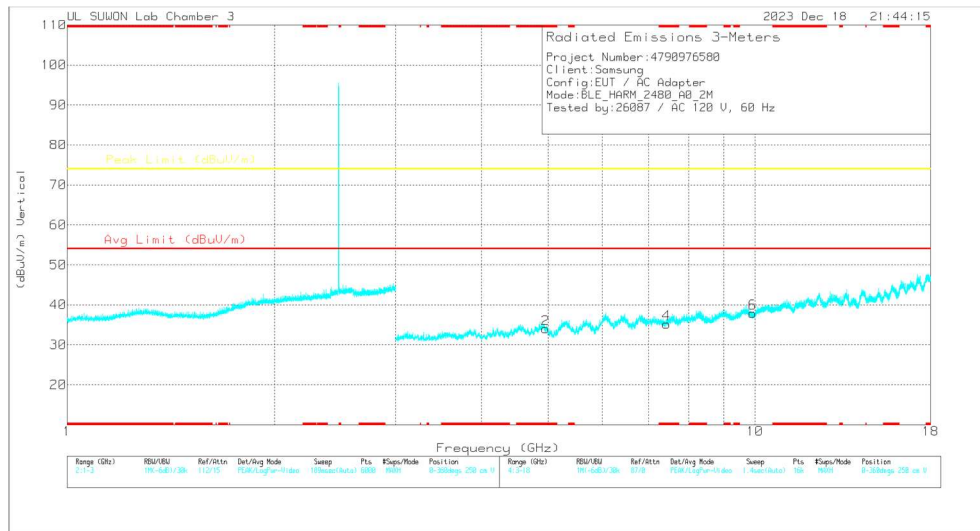
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak



### 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	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
* 4.95973	40.29	PK2	34.3	-30	0	44.59	-	-	74	-29.41	0	100	H
* 4.9608	39.79	PK2	34.3	-30	0	44.09	-	-	74	-29.91	0	100	V
* 7.43988	35.31	PK2	35.7	-25.2	0	45.81	-	-	74	-28.19	0	100	H
* 7.43971	35.48	PK2	35.7	-25.2	0	45.98	-	-	74	-28.02	0	100	V
9.92015	32.28	PK2	37.1	-21.4	0	47.98	-	-	74	-26.02	0	100	H
9.91983	32.59	PK2	37.1	-21.4	0	48.29	-	-	74	-25.71	0	100	V

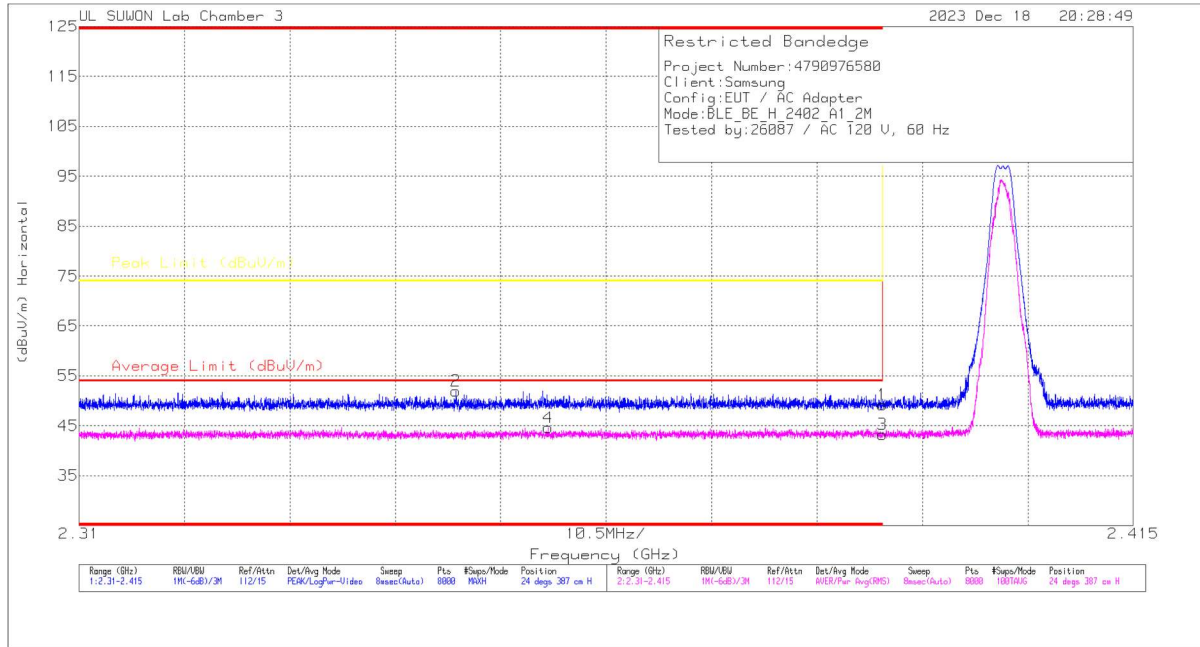
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak



**10.2.4. 2 Mbps ANT2**

**BANDEDGE (0 CHANNEL)**

**HORIZONTAL RESULT**

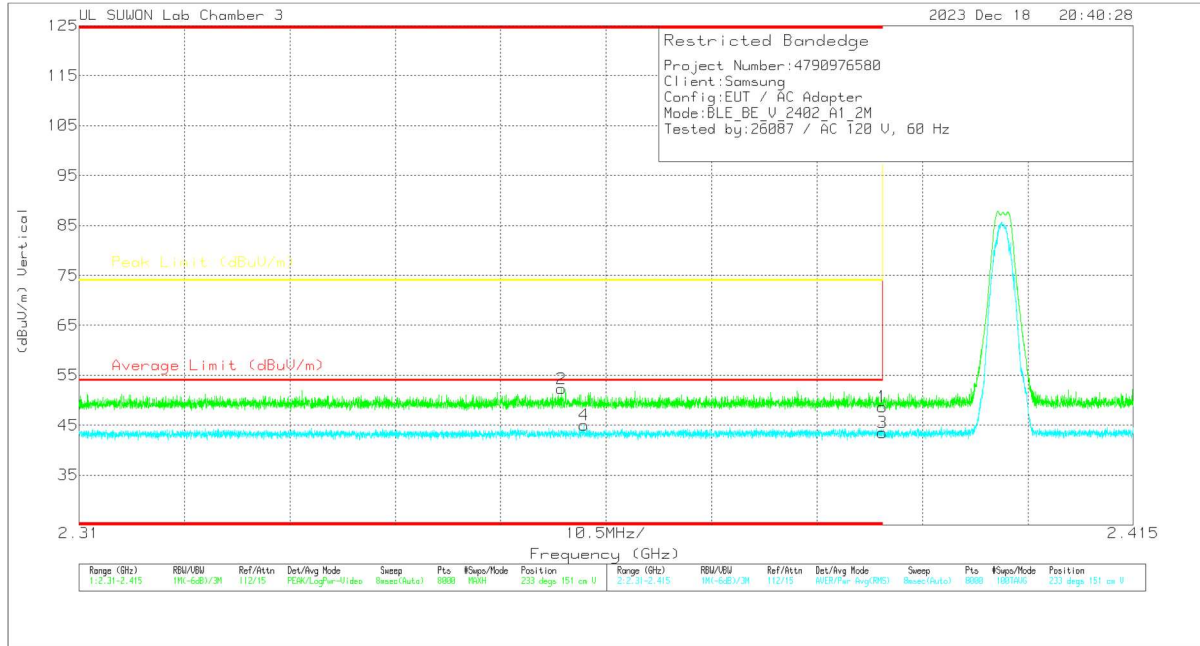


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (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	* 2.39	41.87	PK	32.1	-24.8	0	49.17	-	-	74	-24.83	24	387	H
2	* 2.34756	44.91	PK	32	-24.9	0	52.01	-	-	74	-21.99	24	387	H
3	* 2.39	31.83	RMS	32.1	-24.8	4.12	43.25	54	-10.75	-	-	24	387	H
4	* 2.35672	33.3	RMS	32	-24.8	4.12	44.62	54	-9.38	-	-	24	387	H

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

### VERTICAL RESULT



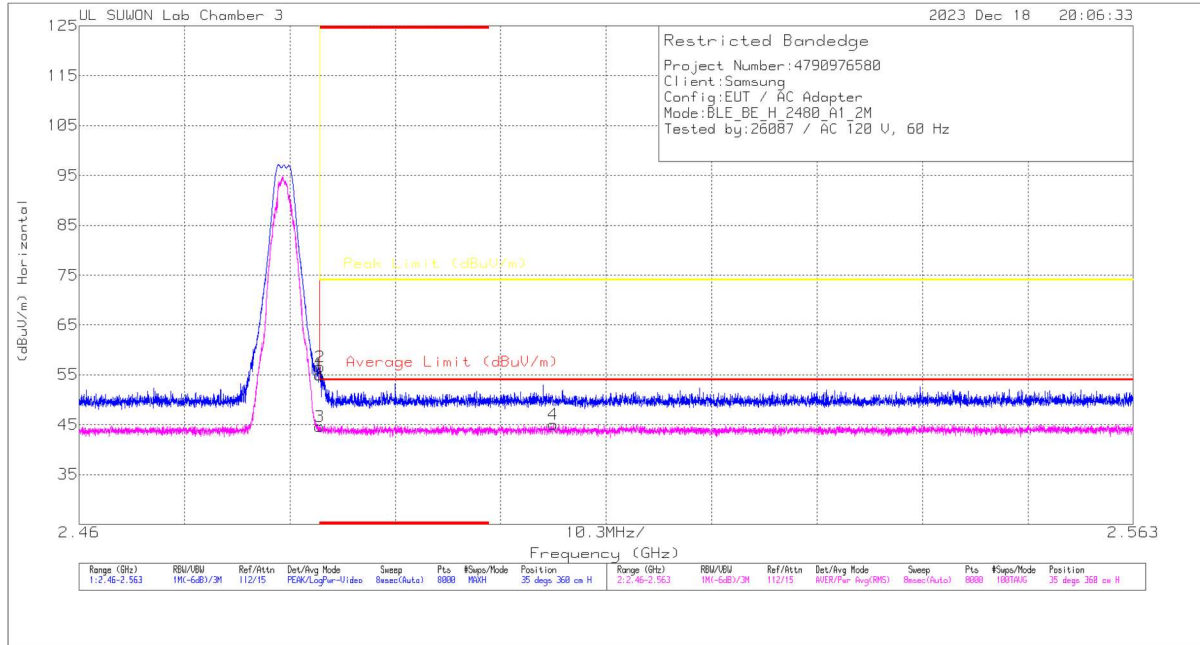
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Cor (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	41.44	PK	32.1	-24.8	0	48.74	-	-	74	-25.26	233	151	V
2	* 2.35804	45.09	PK	32	-24.8	0	52.29	-	-	74	-21.71	233	151	V
3	* 2.39	32.15	RMS	32.1	-24.8	4.12	43.57	54	-10.43	-	-	233	151	V
4	* 2.3603	33.81	RMS	32	-24.9	4.12	45.03	54	-8.97	-	-	233	151	V

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

**BANDEDGE (39 CHANNEL)**

**HORIZONTAL RESULT**

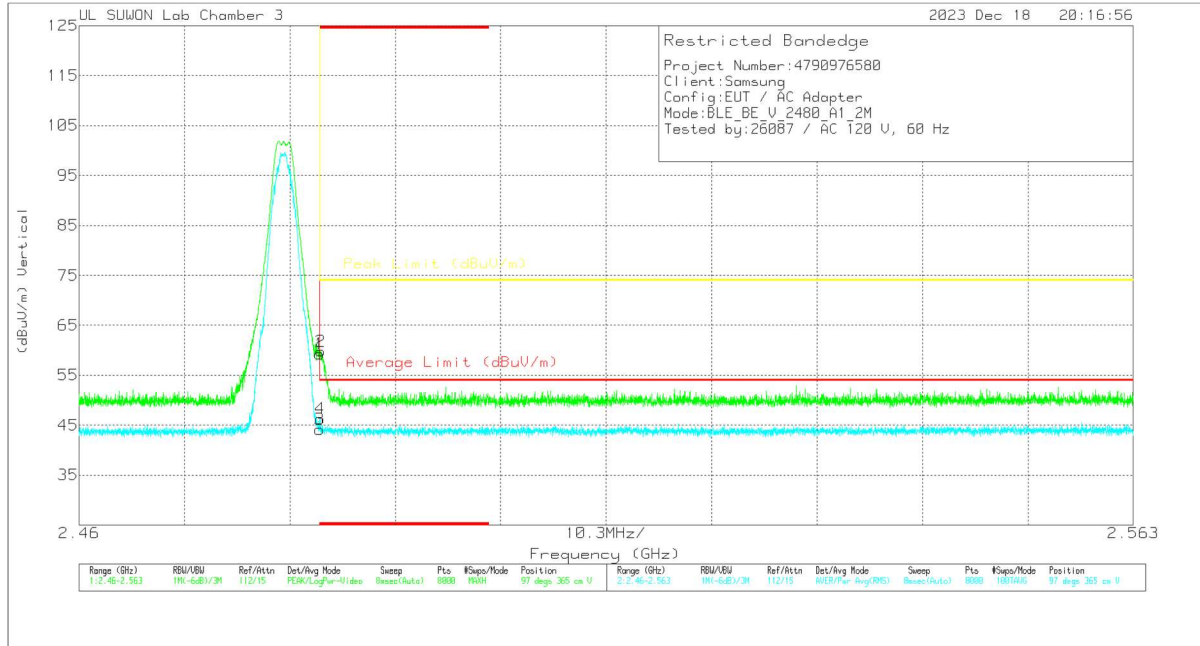


**Trace Markers**

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	* 2.4835	47.39	Pk	32.4	-24.8	0	54.99	-	-	74	-19.01	35	360	H
2	* 2.48355	48.97	Pk	32.4	-24.8	0	56.57	-	-	74	-17.43	35	360	H
3	* 2.4835	32.9	RMS	32.4	-24.8	4.12	44.62	54	-9.38	-	-	35	360	H
4	2.50633	33.17	RMS	32.4	-24.6	4.12	45.09	54	-8.91	-	-	35	360	H

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

### VERTICAL RESULT



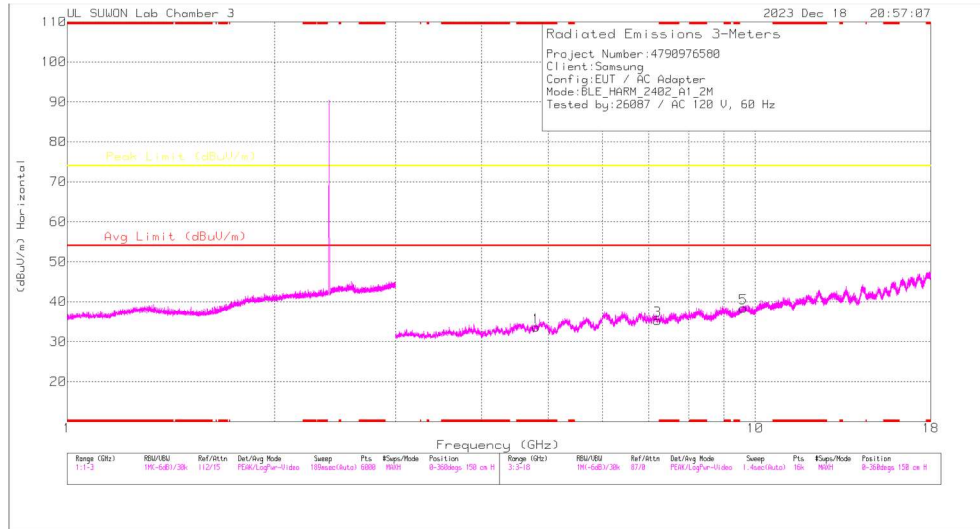
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (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	* 2.4835	51.65	PK	32.4	-24.8	0	59.25	-	-	74	-14.75	97	365	V
2	* 2.48364	52.23	PK	32.4	-24.8	0	59.83	-	-	74	-14.17	97	365	V
3	* 2.4835	32.42	RMS	32.4	-24.8	4.12	44.14	54	-9.86	-	-	97	365	V
4	* 2.48355	34.55	RMS	32.4	-24.8	4.12	46.27	54	-7.73	-	-	97	365	V

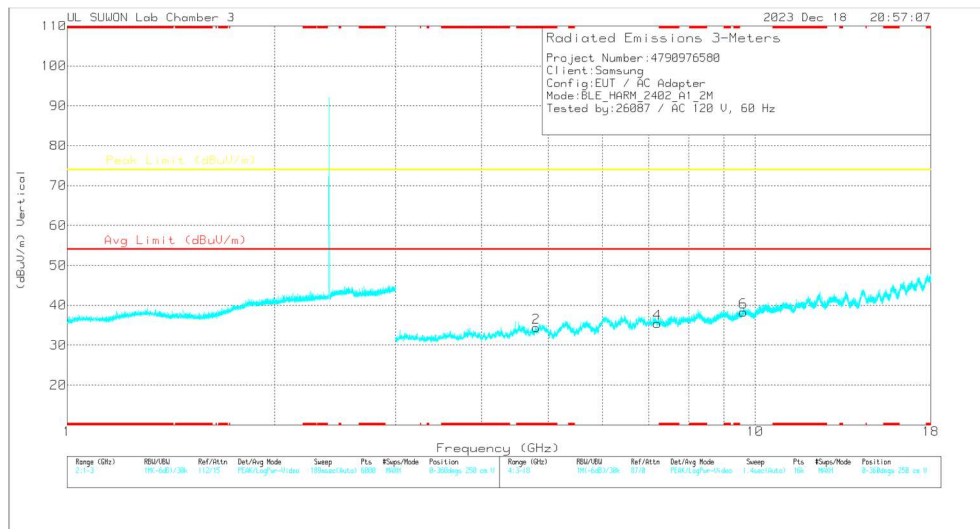
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

# 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(dBm)	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
* 4.80508	39.76	PK2	34.3	-30.1	0	43.96	-	-	74	-30.04	0	100	H
* 4.80436	40.13	PK2	34.3	-30.1	0	44.33	-	-	74	-29.67	0	100	V
7.20744	36.24	PK2	35.8	-25.9	0	46.14	-	-	74	-27.86	0	100	H
7.20643	35.89	PK2	35.8	-25.9	0	45.79	-	-	74	-28.21	0	100	V
9.60511	33.5	PK2	36.7	-21.8	0	48.4	-	-	74	-25.6	0	100	H
9.60674	33.44	PK2	36.7	-21.8	0	48.34	-	-	74	-25.66	0	100	V

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