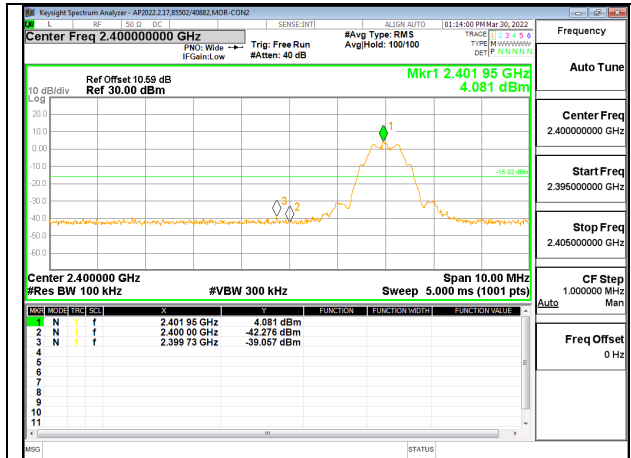
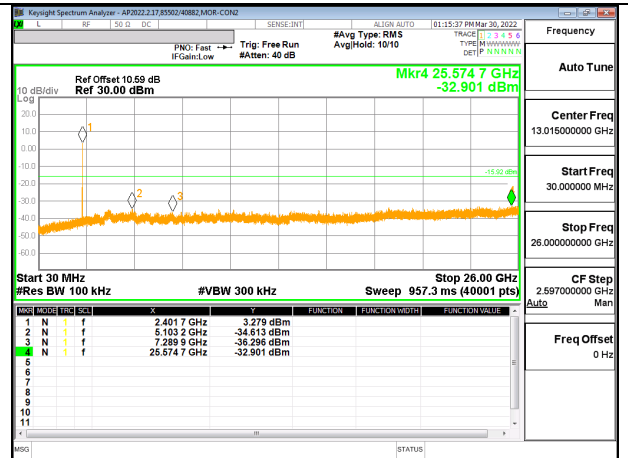


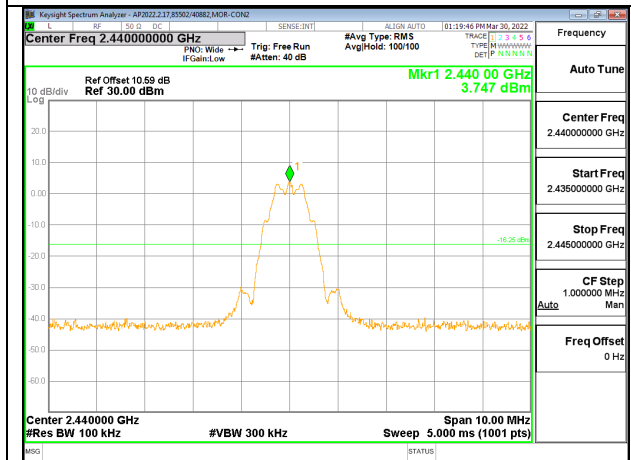
Chain 1



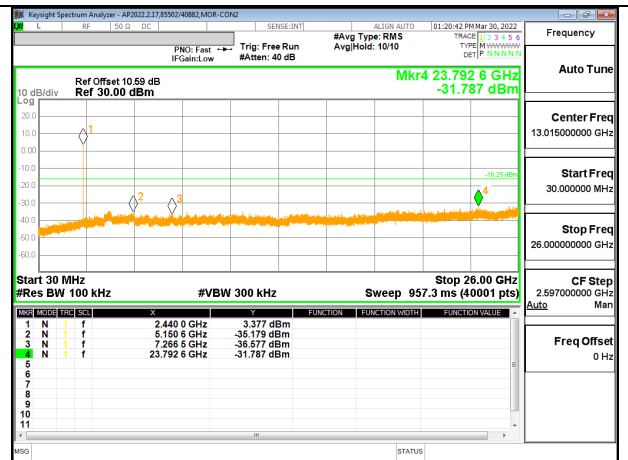
LOW CHANNEL BANDEDGE



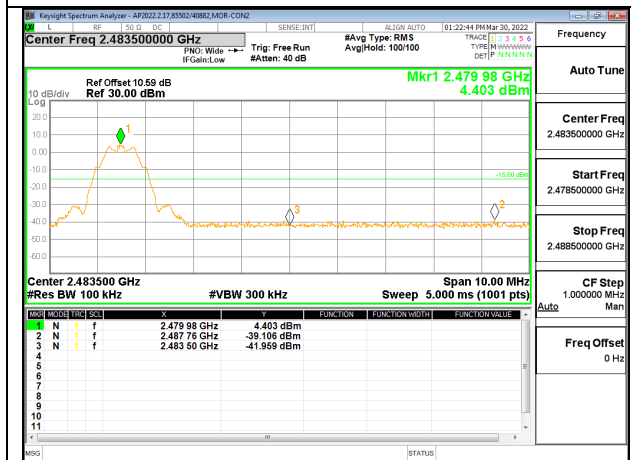
OUT-OF-BAND LOW CHANNEL



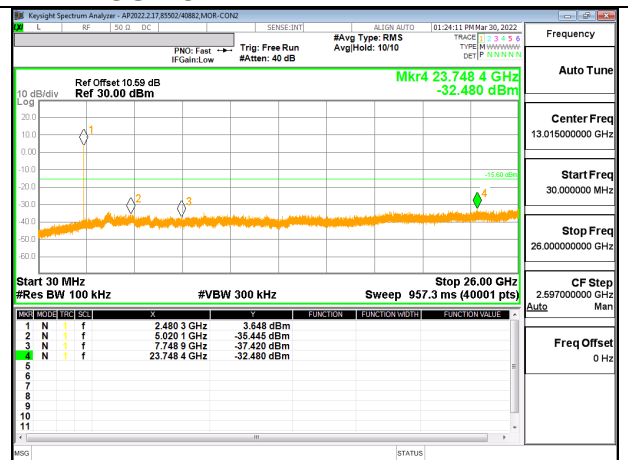
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



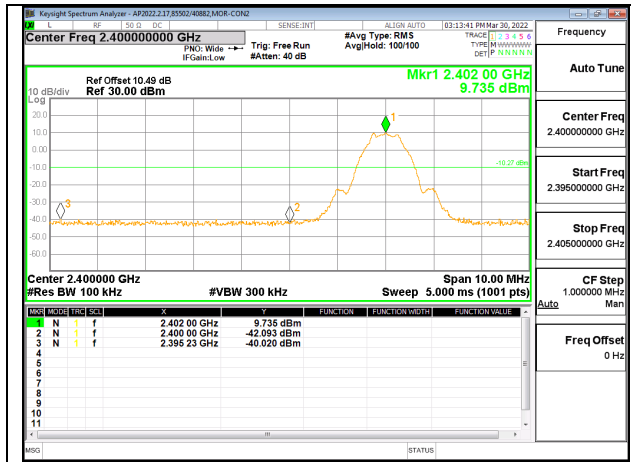
HIGH CHANNEL BANDEDGE



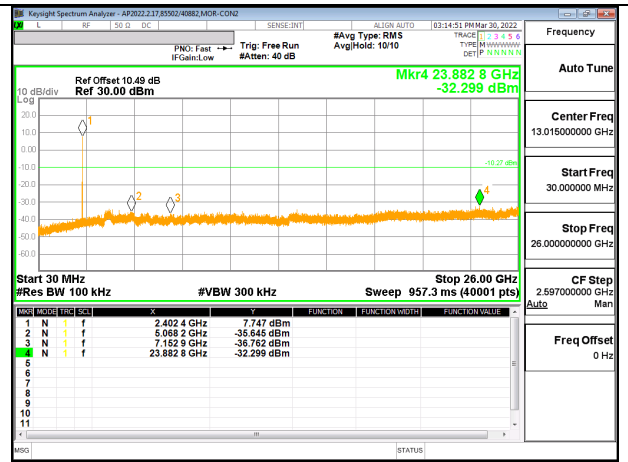
OUT-OF-BAND HIGH CHANNEL

### 9.6.4. BLE (500Kbps)

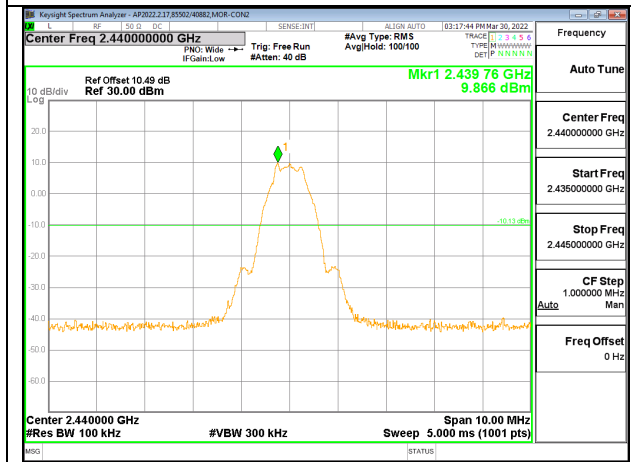
#### Chain 0



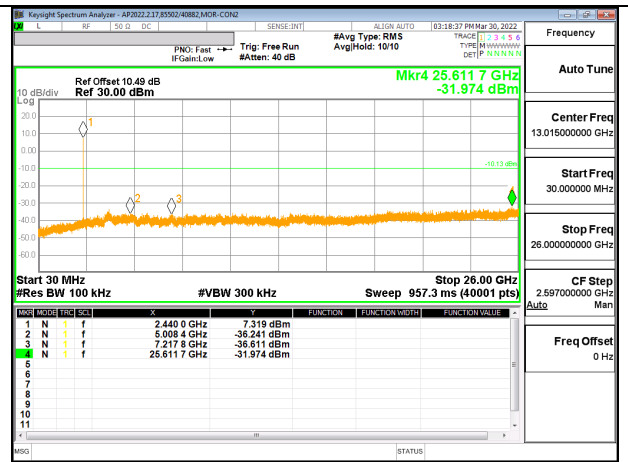
**LOW CHANNEL BANDEDGE**



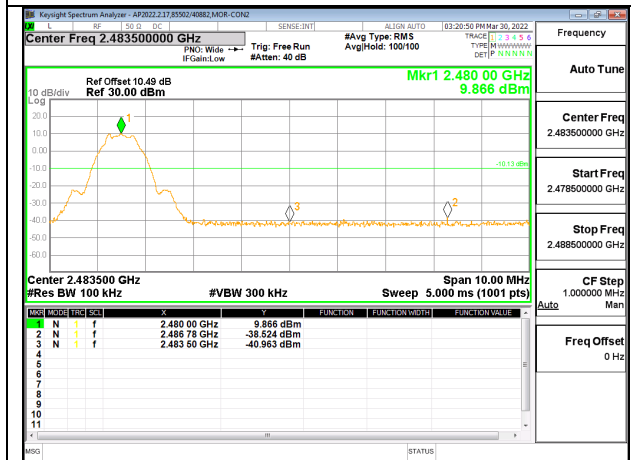
**OUT-OF-BAND LOW CHANNEL**



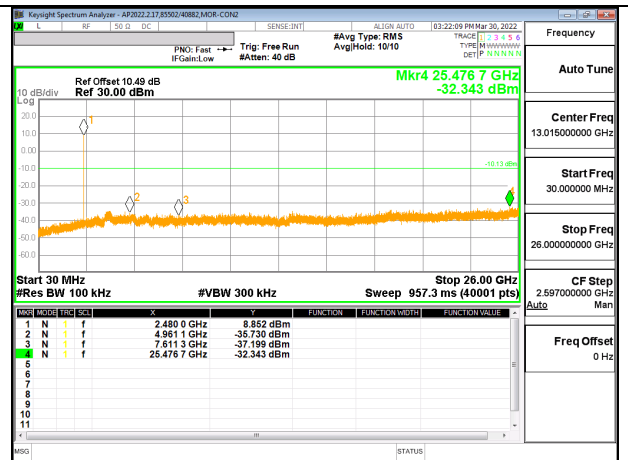
**IN-BAND REFERENCE LEVEL**



**OUT-OF-BAND MID CHANNEL**

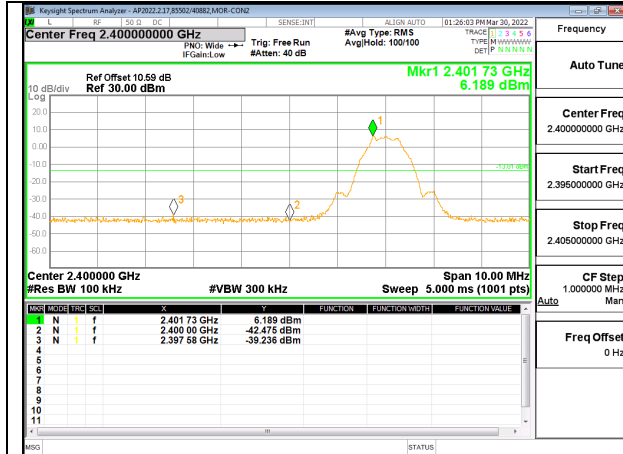


**HIGH CHANNEL BANDEDGE**

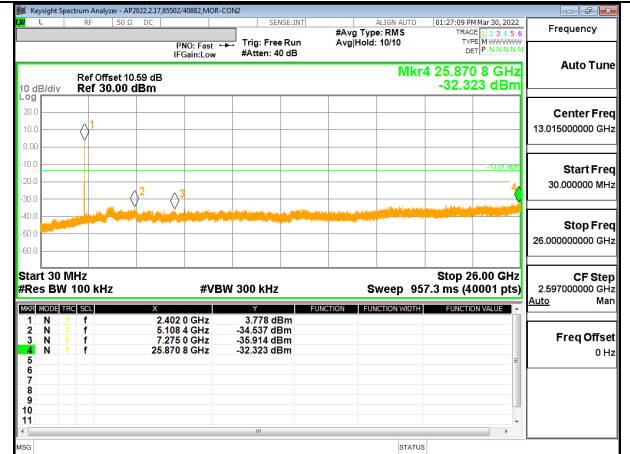


**OUT-OF-BAND HIGH CHANNEL**

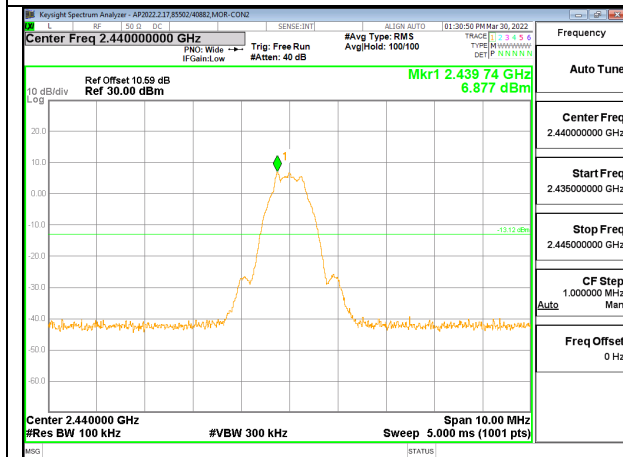
**Chain 1**



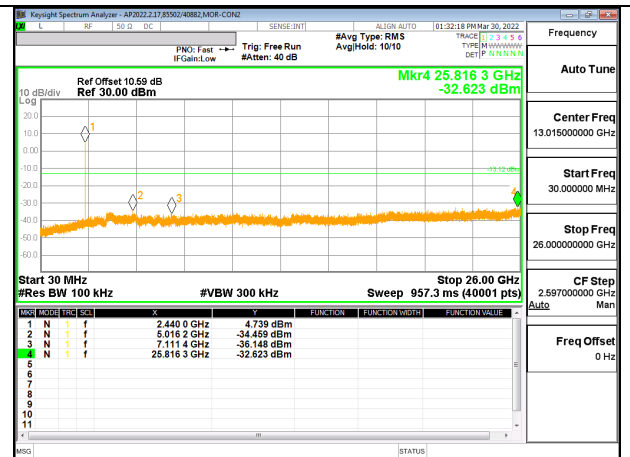
**LOW CHANNEL BANDEDGE**



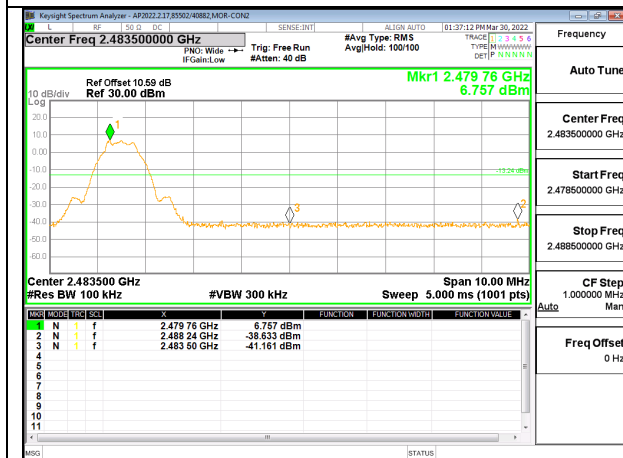
**OUT-OF-BAND LOW CHANNEL**



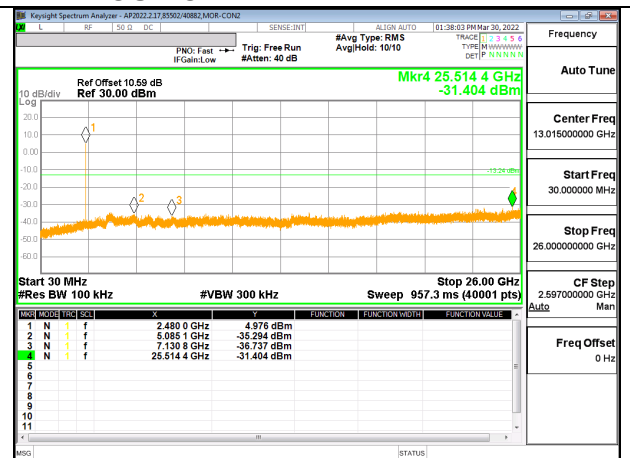
**IN-BAND REFERENCE LEVEL**



**OUT-OF-BAND MID CHANNEL**



**HIGH CHANNEL BANDEDGE**



**OUT-OF-BAND HIGH CHANNEL**

## 10. RADIATED TEST RESULTS

### 10.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

#### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement 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 in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

**KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification**

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

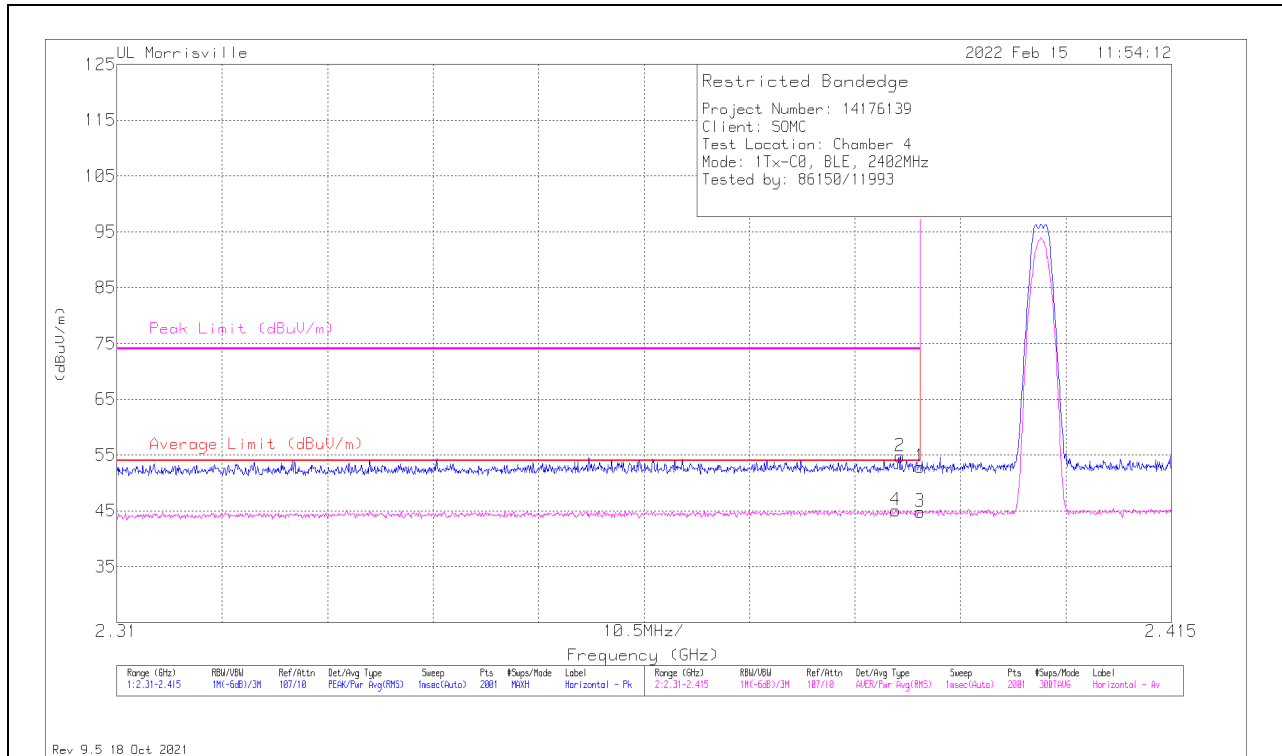
## 10.2. TRANSMITTER ABOVE 1 GHz

### 10.2.1. BLE (2Mbps)

#### Chain 0

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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	* ** 2.38996	34.75	Pk	32	-13.8	0	52.95	-	-	74	-21.05	150	100	H
2	* ** 2.38796	36.61	Pk	32	-13.8	0	54.81	-	-	74	-19.19	150	100	H
3	* ** 2.38996	24.18	RMS	32	-13.8	2.42	44.8	54	-9.2	-	-	150	100	H
4	* ** 2.38754	24.46	RMS	32	-13.8	2.42	45.08	54	-8.92	-	-	150	100	H

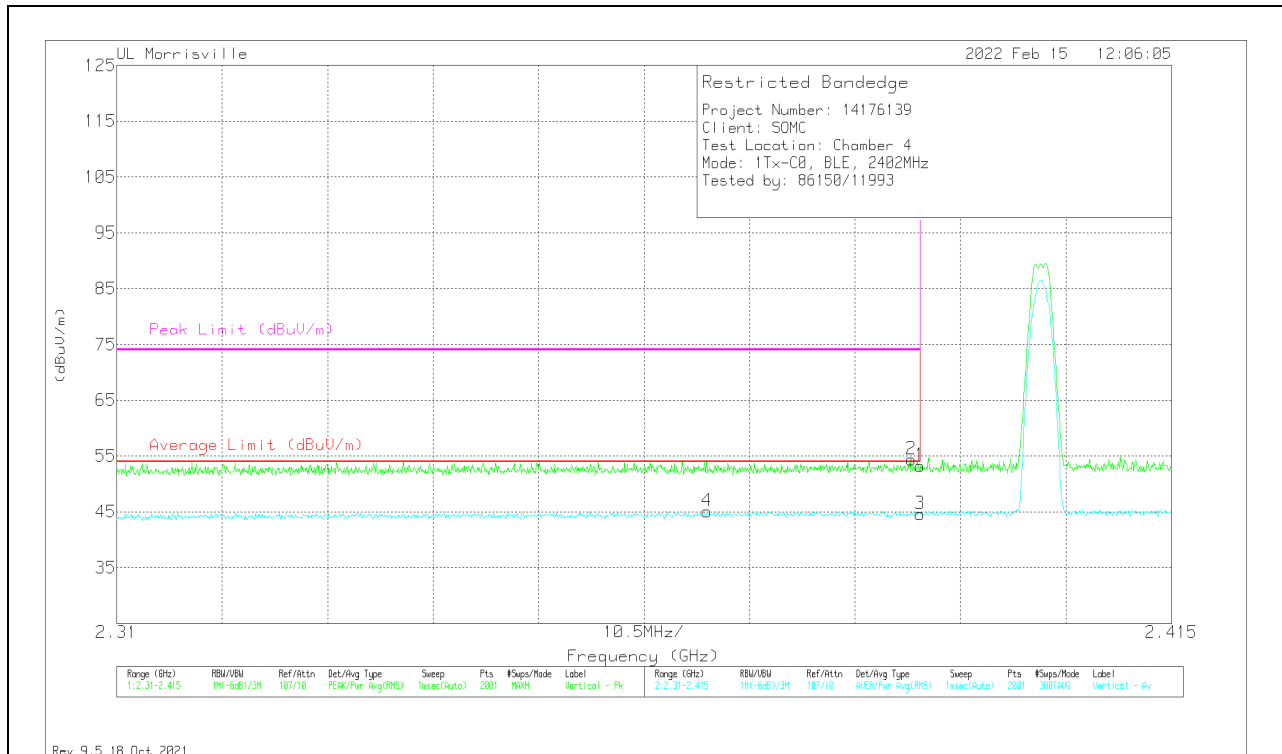
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

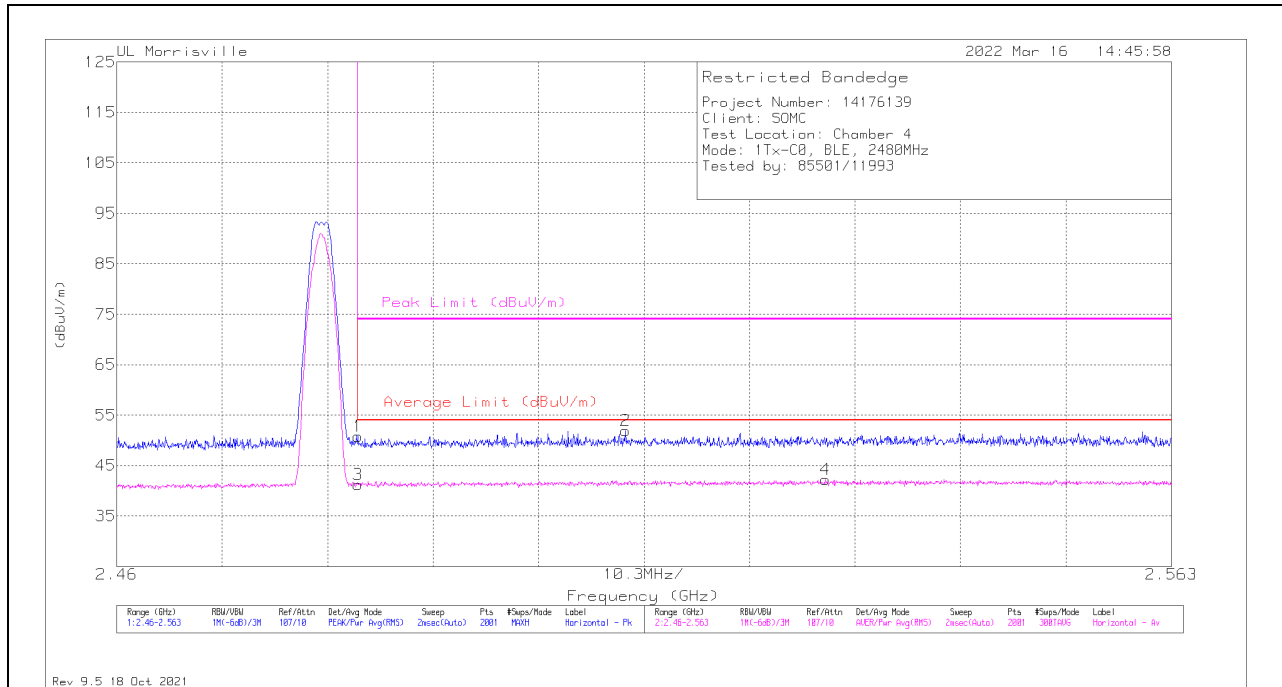


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	35.02	Pk	32	-13.8	0	53.22	-	-	74	-20.78	73	100	V
2	* ** 2.38912	36.21	Pk	32	-13.8	0	54.41	-	-	74	-19.59	73	100	V
3	* ** 2.38996	24	RMS	32	-13.8	2.42	44.62	54	-9.38	-	-	73	100	V
4	* ** 2.36875	24.59	RMS	32	-13.9	2.42	45.11	54	-8.89	-	-	73	100	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 (dB/m)	Amp/Cbl/Filtr/Pad (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	* ** 2.48354	32.29	Pk	32.2	-13.7	0	50.79	-	-	74	-23.21	4	126	H
2	** 2.5097	33.2	Pk	32.3	-13.6	0	51.9	-	-	74	-22.1	4	126	H
3	* ** 2.48354	20.27	RMS	32.2	-13.7	2.42	41.19	54	-12.81	-	-	4	126	H
4	** 2.52922	21.11	RMS	32.4	-13.7	2.42	42.23	54	-11.77	-	-	4	126	H

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

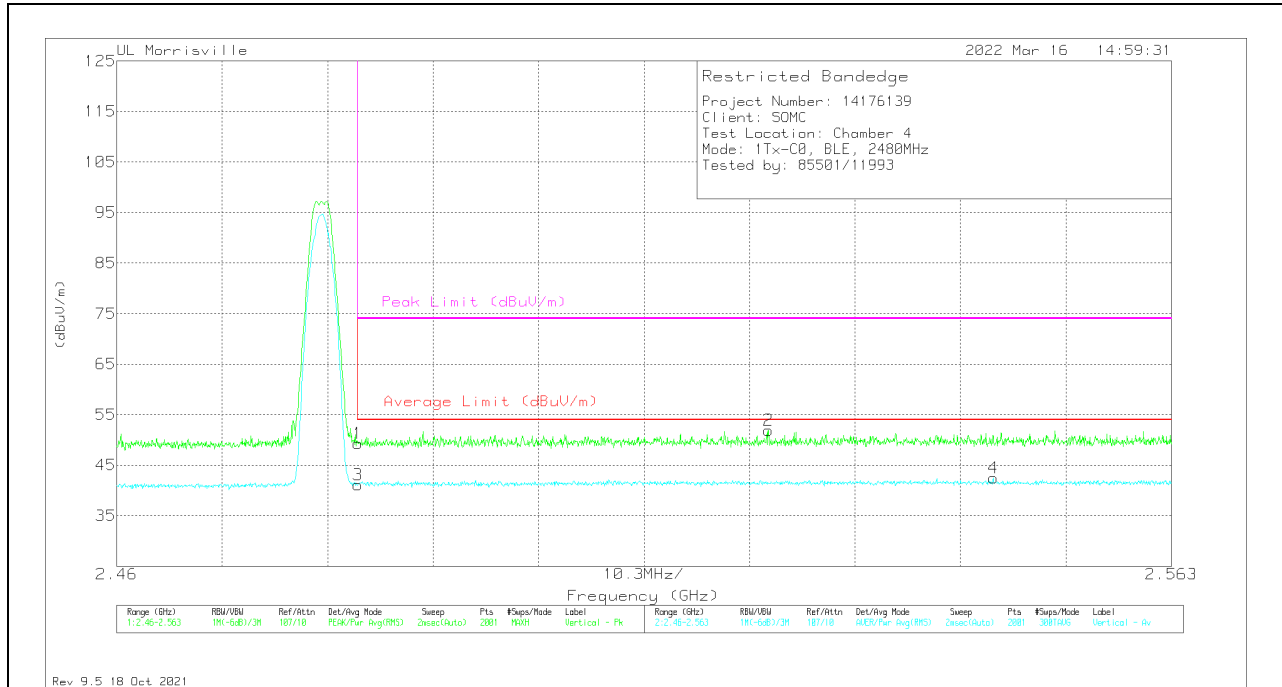
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT



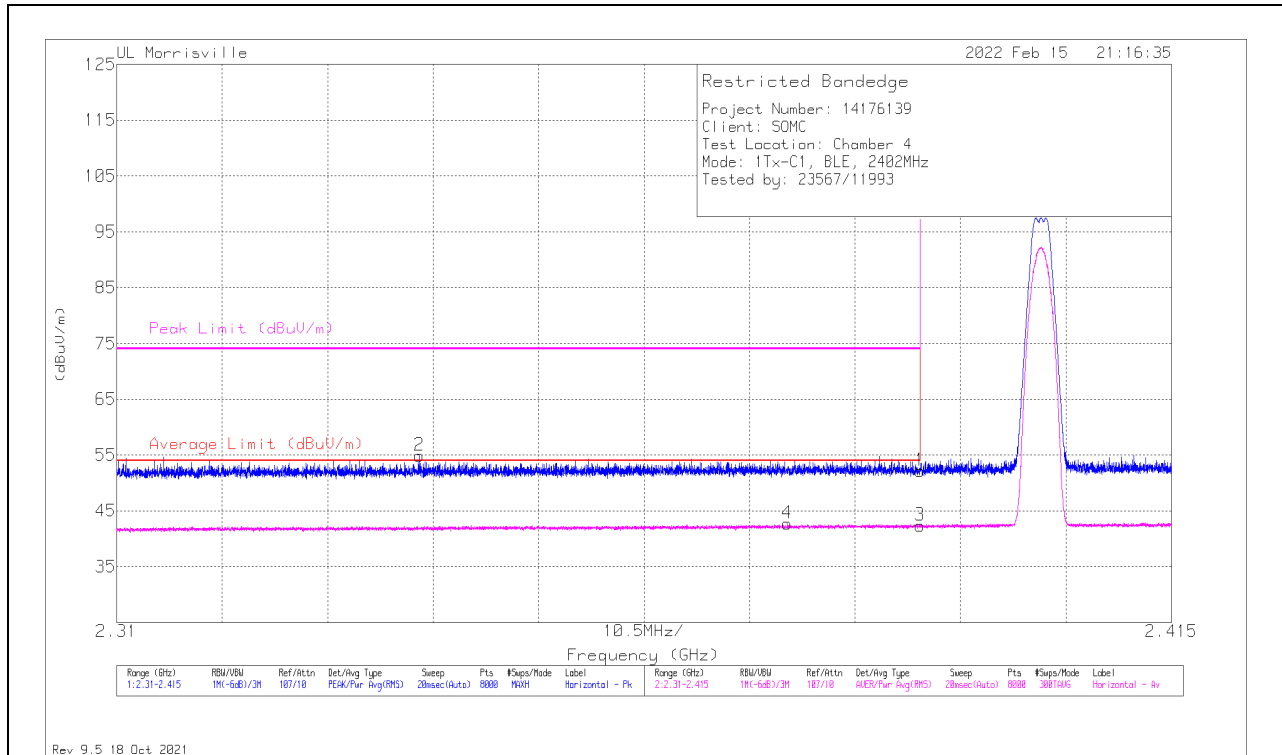
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	30.85	Pk	32.2	-13.7	0	49.35	-	-	74	-24.65	46	199	V
2	** 2.52365	33.19	Pk	32.4	-13.7	0	51.89	-	-	74	-22.11	46	199	V
3	* ** 2.48354	20.15	RMS	32.2	-13.7	2.42	41.07	54	-12.93	-	-	46	199	V
4	** 2.54559	21.4	RMS	32.3	-13.6	2.42	42.52	54	-11.48	-	-	46	199	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**Chain 1**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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	34	Pk	32	-13.8	0	52.2	-	-	74	-21.8	0	100	H
2	* ** 2.3401	36.8	Pk	32	-13.9	0	54.9	-	-	74	-19.1	0	100	H
3	* ** 2.39	21.69	RMS	32	-13.8	2.42	42.31	54	-11.69	-	-	0	100	H
4	* ** 2.37676	22.22	RMS	32	-13.9	2.42	42.74	54	-11.26	-	-	0	100	H

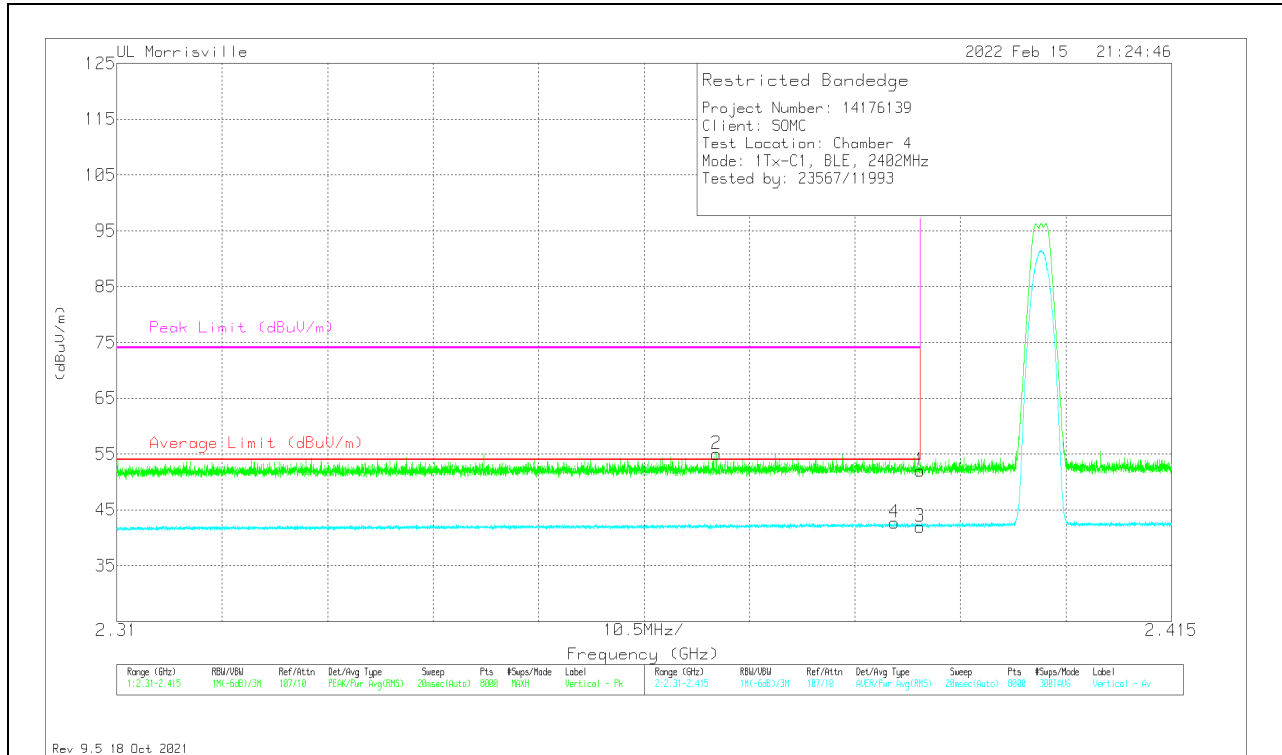
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

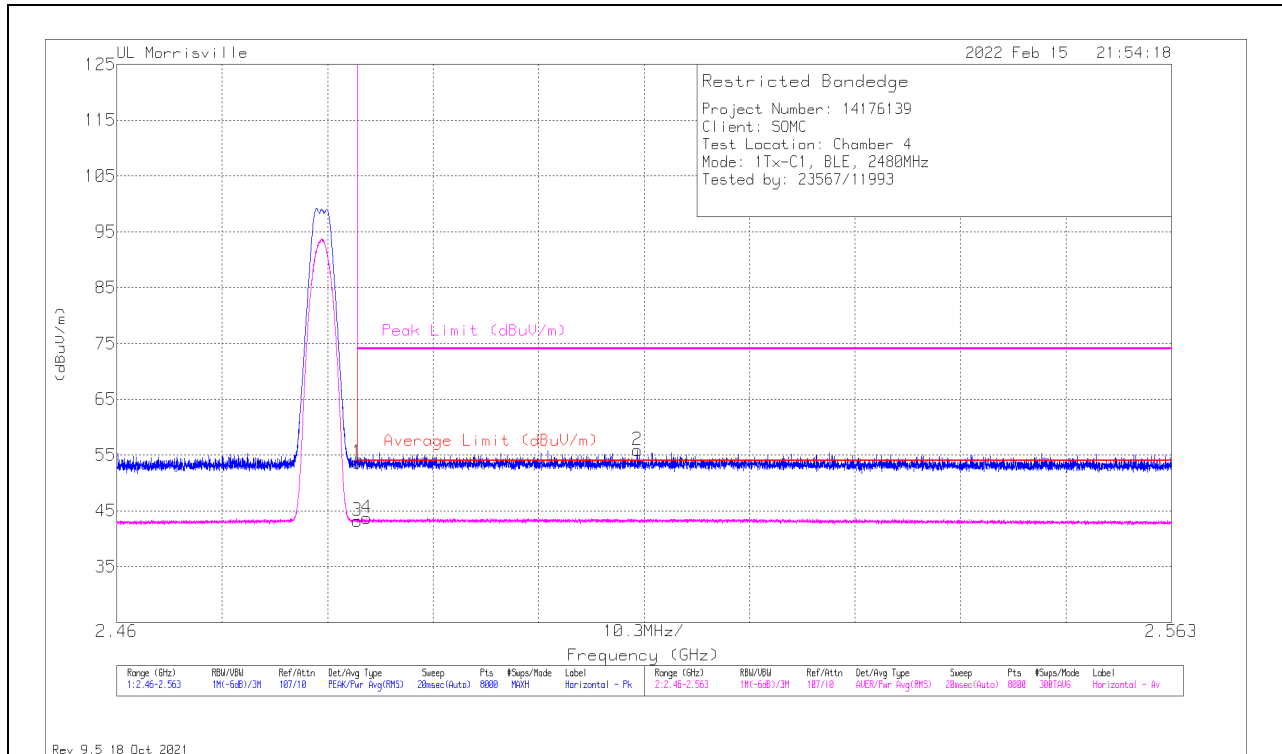


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* * * 2.39	33.78	Pk	32	-13.8	0	51.98	-	-	74	-22.02	329	103	V
2	* * * 2.36968	36.94	Pk	32	-13.9	0	55.04	-	-	74	-18.96	329	103	V
3	* * * 2.39	21.34	RMS	32	-13.8	2.42	41.96	54	-12.04	-	-	329	103	V
4	* * * 2.38741	22.05	RMS	32	-13.8	2.42	42.67	54	-11.33	-	-	329	103	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

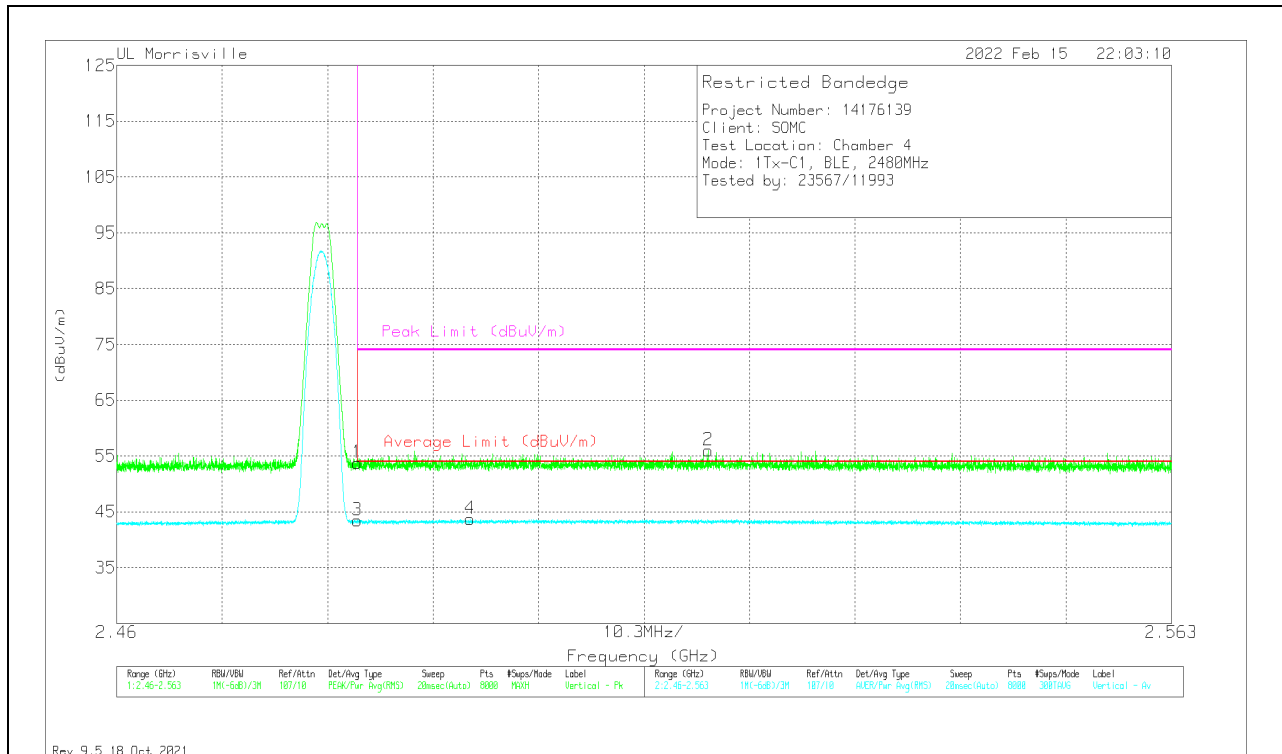
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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	34.78	Pk	32.6	-13.7	0	53.68	-	-	74	-20.32	343	111	H
2	** 2.51083	37.01	Pk	32.5	-13.6	0	55.91	-	-	74	-18.09	343	111	H
3	*** 2.4835	21.9	RMS	32.6	-13.7	2.42	43.22	54	-10.78	-	-	343	111	H
4	*** 2.48443	22.38	RMS	32.6	-13.7	2.42	43.7	54	-10.3	-	-	343	111	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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	34.88	Pk	32.6	-13.7	0	53.78	-	-	74	-20.22	328	100	V
2	** 2.51774	37.11	Pk	32.6	-13.7	0	56.01	-	-	74	-17.99	328	100	V
3	*** 2.4835	22.12	RMS	32.6	-13.7	2.42	43.44	54	-10.56	-	-	328	100	V
4	*** 2.49451	22.39	RMS	32.6	-13.7	2.42	43.71	54	-10.29	-	-	328	100	V

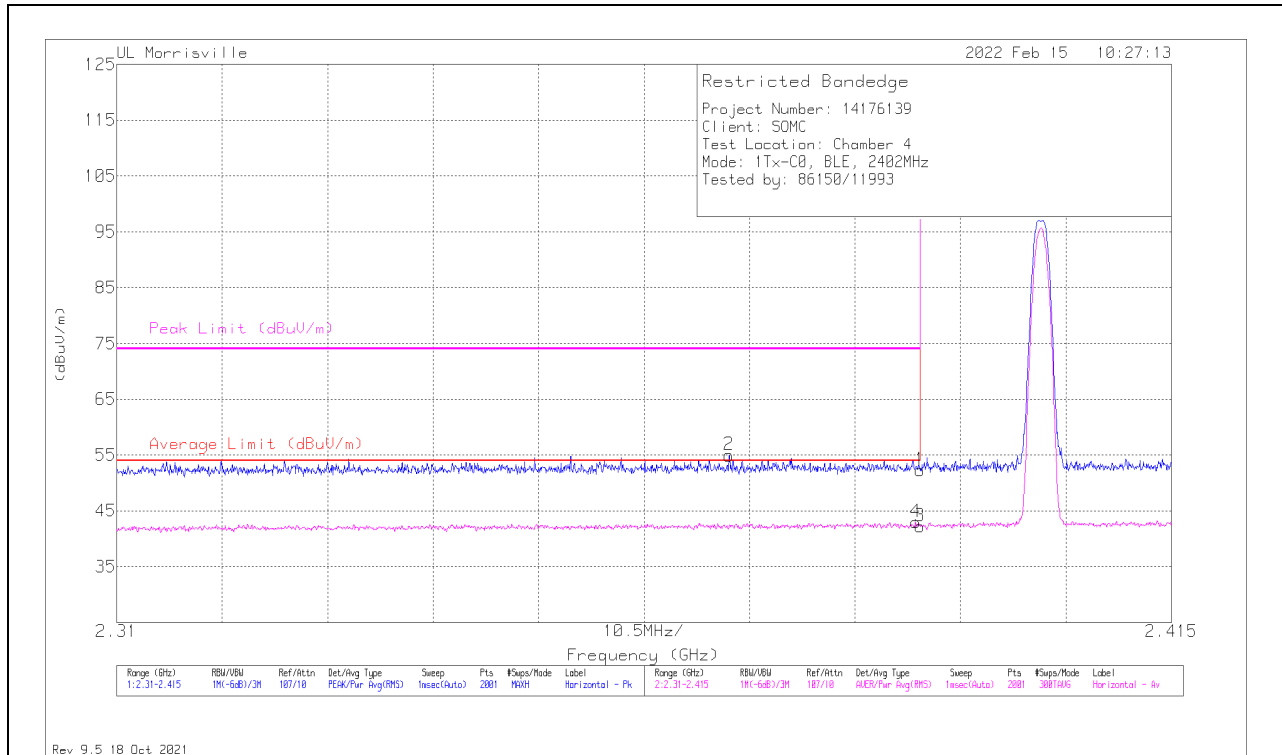
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## 10.2.2. BLE (125Kbps)

### Chain 0

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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	* ** 2.38996	34.11	Pk	32	-13.8	0	52.31	-	-	74	-21.69	143	162	H
2	* ** 2.37095	36.85	Pk	32	-13.9	0	54.95	-	-	74	-19.05	143	162	H
3	* ** 2.38996	23.94	RMS	32	-13.8	.11	42.25	54	-11.75	-	-	143	162	H
4	* ** 2.38954	24.6	RMS	32	-13.8	.11	42.91	54	-11.09	-	-	143	162	H

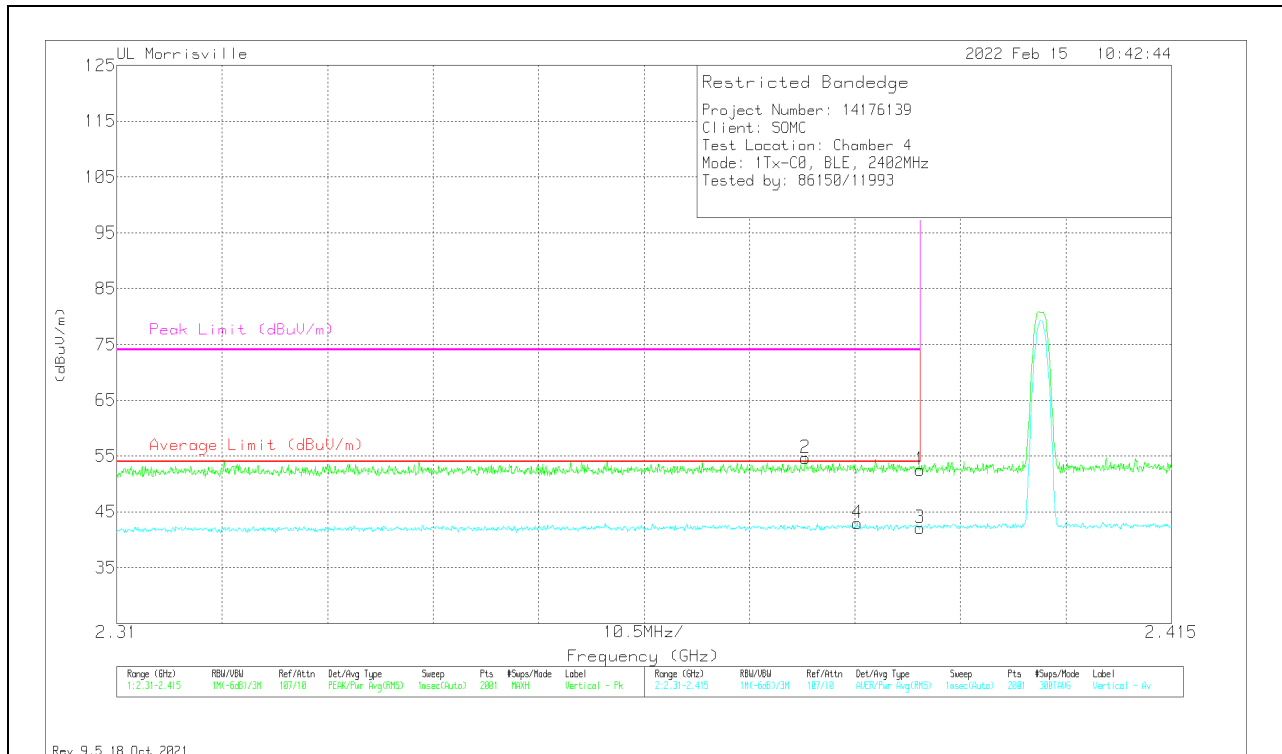
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

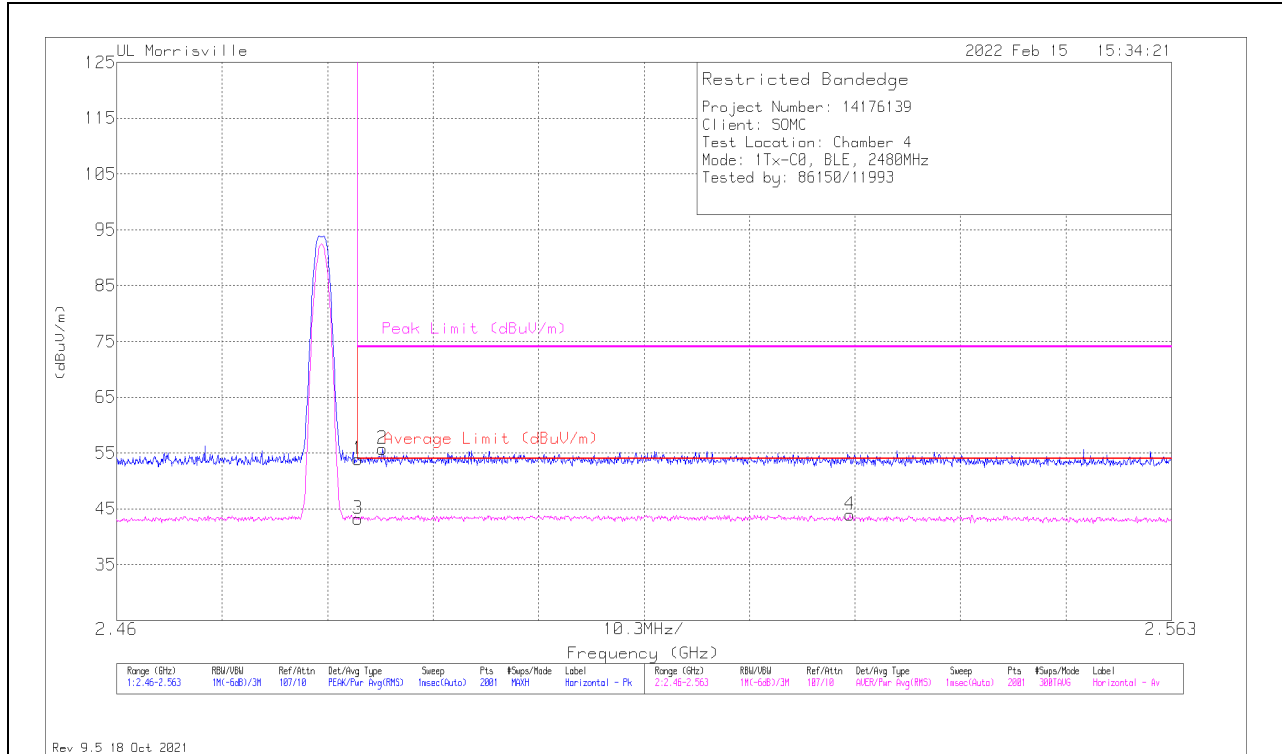


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	34.35	Pk	32	-13.8	0	52.55	-	-	74	-21.45	303	100	V
2	* ** 2.37857	36.5	Pk	32	-13.9	0	54.6	-	-	74	-19.4	303	100	V
3	* ** 2.38996	23.74	RMS	32	-13.8	.11	42.05	54	-11.95	-	-	303	100	V
4	* ** 2.38371	24.68	RMS	32	-13.8	.11	42.99	54	-11.01	-	-	303	100	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

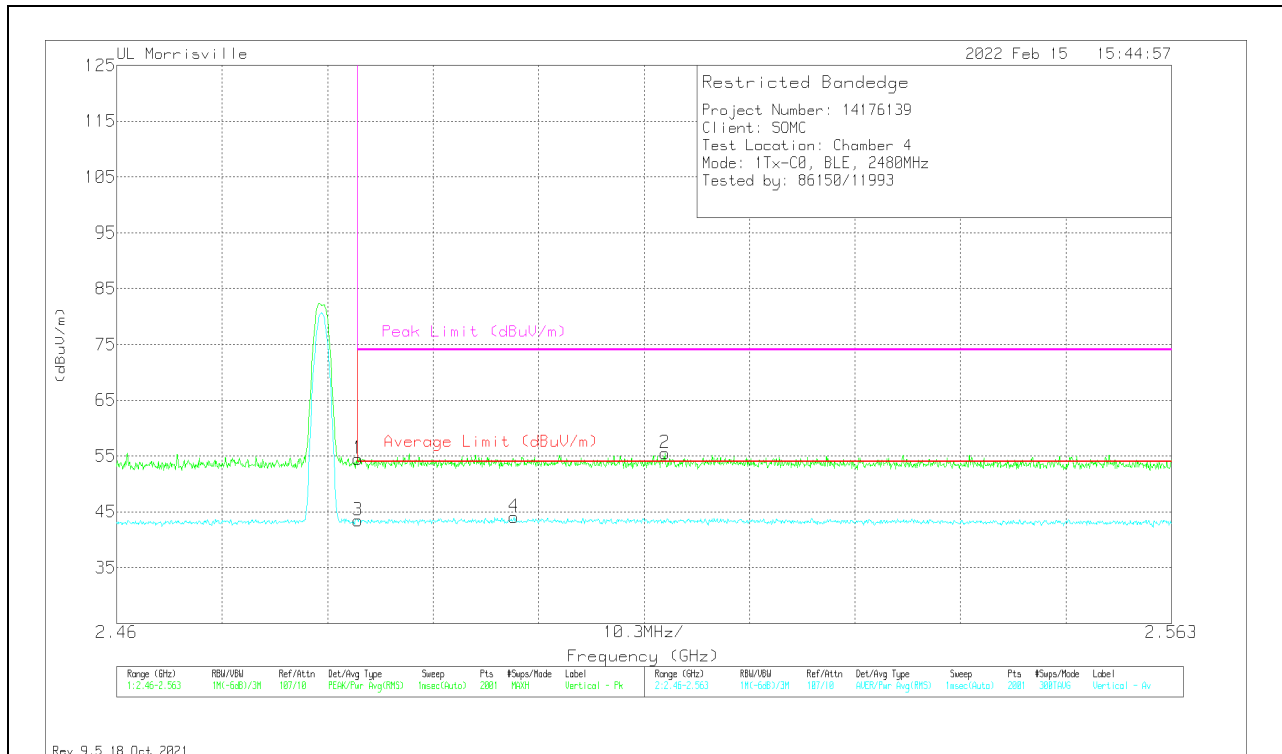


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	35.04	Pk	32.6	-13.7	0	53.94	-	-	74	-20.06	169	108	H
2	* ** 2.48596	36.88	Pk	32.6	-13.7	0	55.78	-	-	74	-18.22	169	108	H
3	* ** 2.48354	24.22	RMS	32.6	-13.7	.11	43.23	54	-10.77	-	-	169	108	H
4	** 2.53159	25.01	RMS	32.5	-13.7	.11	43.92	54	-10.08	-	-	169	108	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection



### VERTICAL RESULT

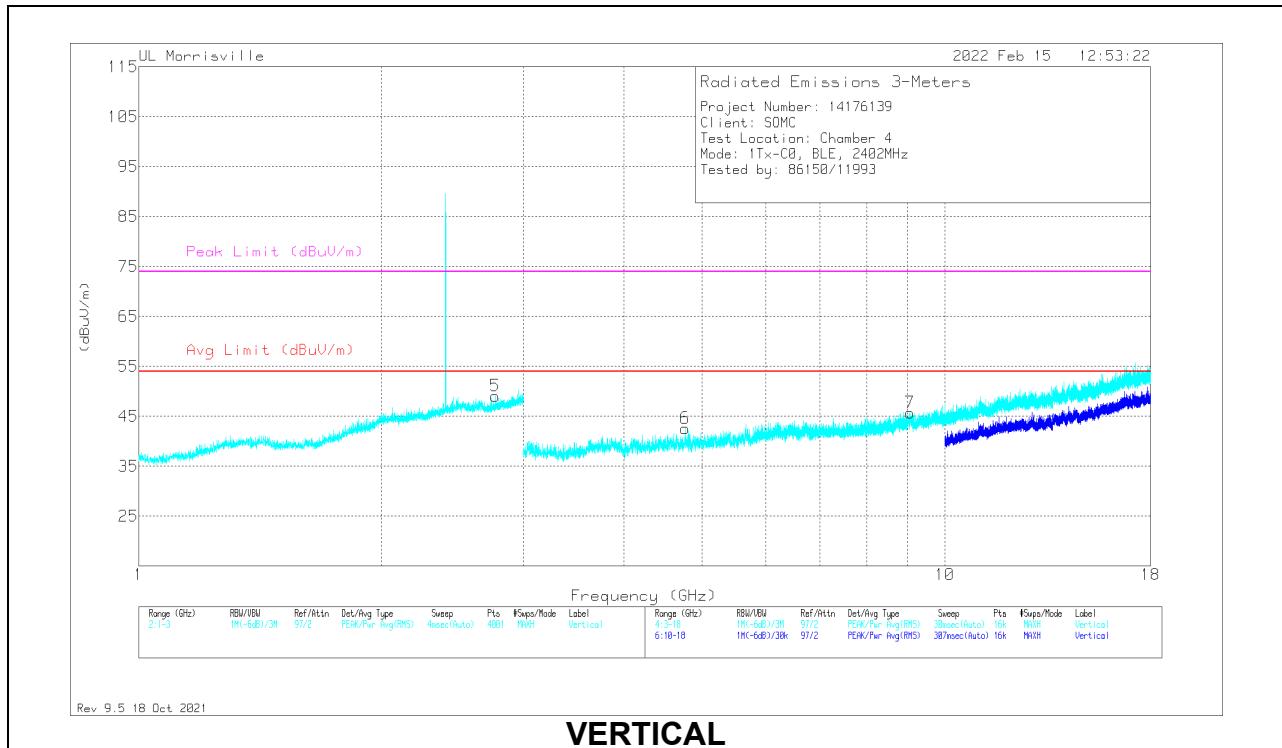
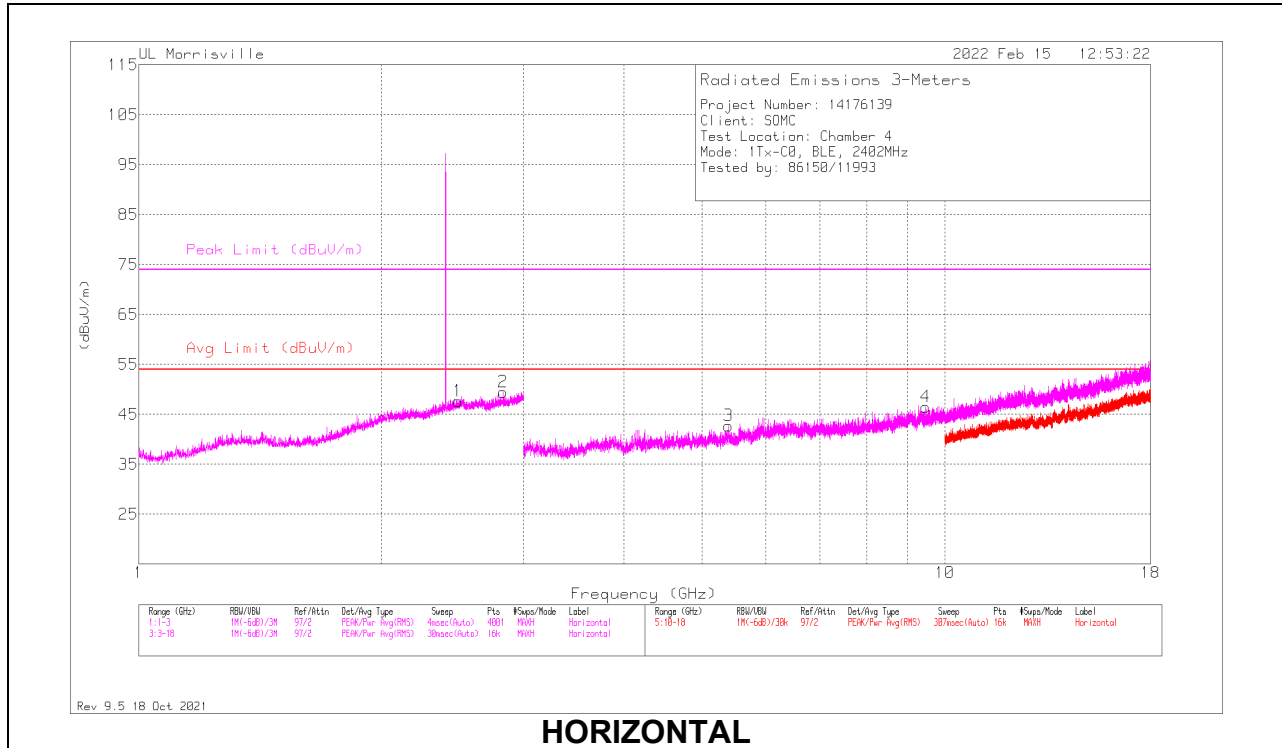


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	35.57	Pk	32.6	-13.7	0	54.47	-	-	74	-19.53	88	216	V
2	** 2.51356	36.66	Pk	32.5	-13.7	0	55.46	-	-	74	-18.54	88	216	V
3	* ** 2.48354	24.41	RMS	32.6	-13.7	.11	43.42	54	-10.58	-	-	88	216	V
4	* ** 2.49878	25.03	RMS	32.6	-13.7	.11	44.04	54	-9.96	-	-	88	216	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4895	28.75	Pk	32.6	-13.7	0	47.65	54	-6.35	74	-26.35	0-360	100	H
2	* ** 2.83048	28.85	PK2	32.4	-13	0	48.25	-	-	74	-25.75	5	192	H
	* ** 2.8306	16.69	ADR	32.4	-13	0.11	36.2	54	-17.8	-	-	5	192	H
5	* ** 2.76904	28.79	PK2	32.1	-13.1	0	47.79	-	-	74	-26.21	288	125	V
	* ** 2.76914	16.82	ADR	32.1	-13.1	0.11	35.93	54	-18.07	-	-	288	125	V
3	* ** 5.38875	39.69	Pk	34.4	-31.4	0	42.69	54	-11.31	74	-31.31	0-360	100	H
4	* ** 9.47063	36.46	Pk	36.5	-26.5	0	46.46	54	-7.54	74	-27.54	0-360	100	H
6	* ** 4.76625	40.83	Pk	34.1	-32.3	0	42.63	54	-11.37	74	-31.37	0-360	200	V
7	* ** 9.05719	35.24	Pk	36	-25.5	0	45.74	54	-8.26	74	-28.26	0-360	200	V

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

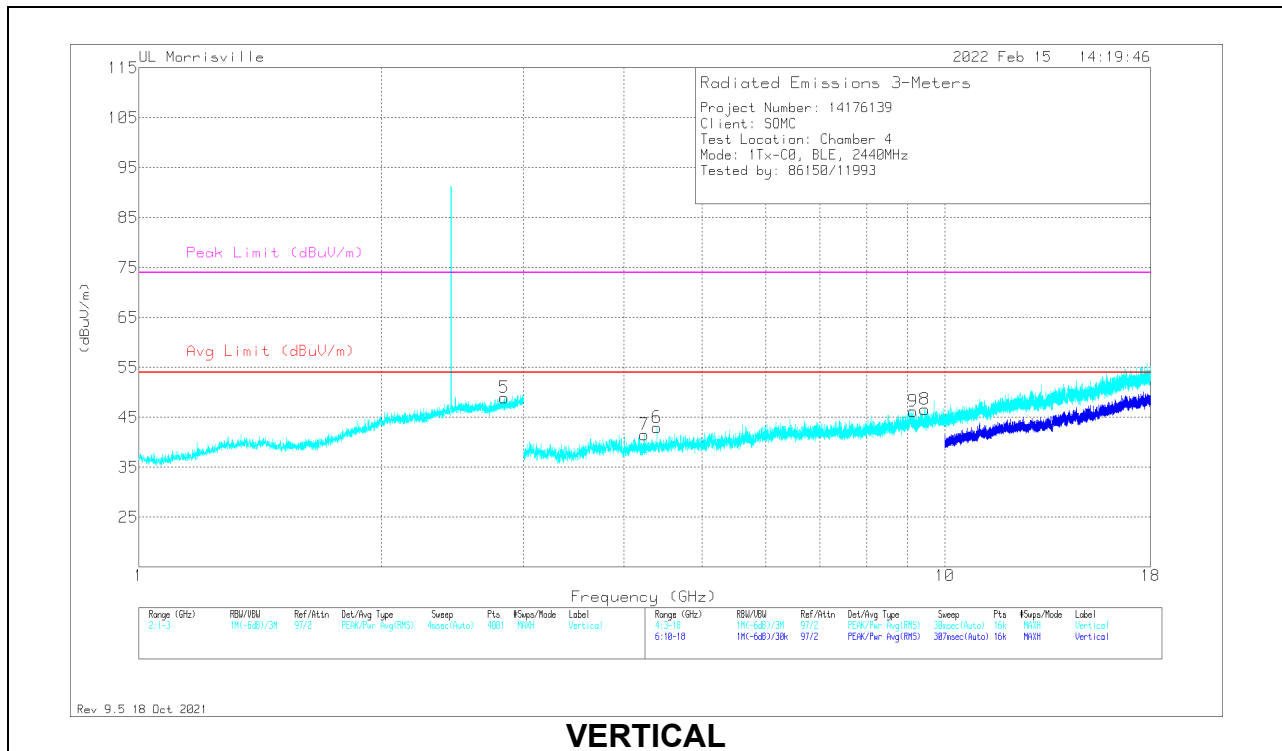
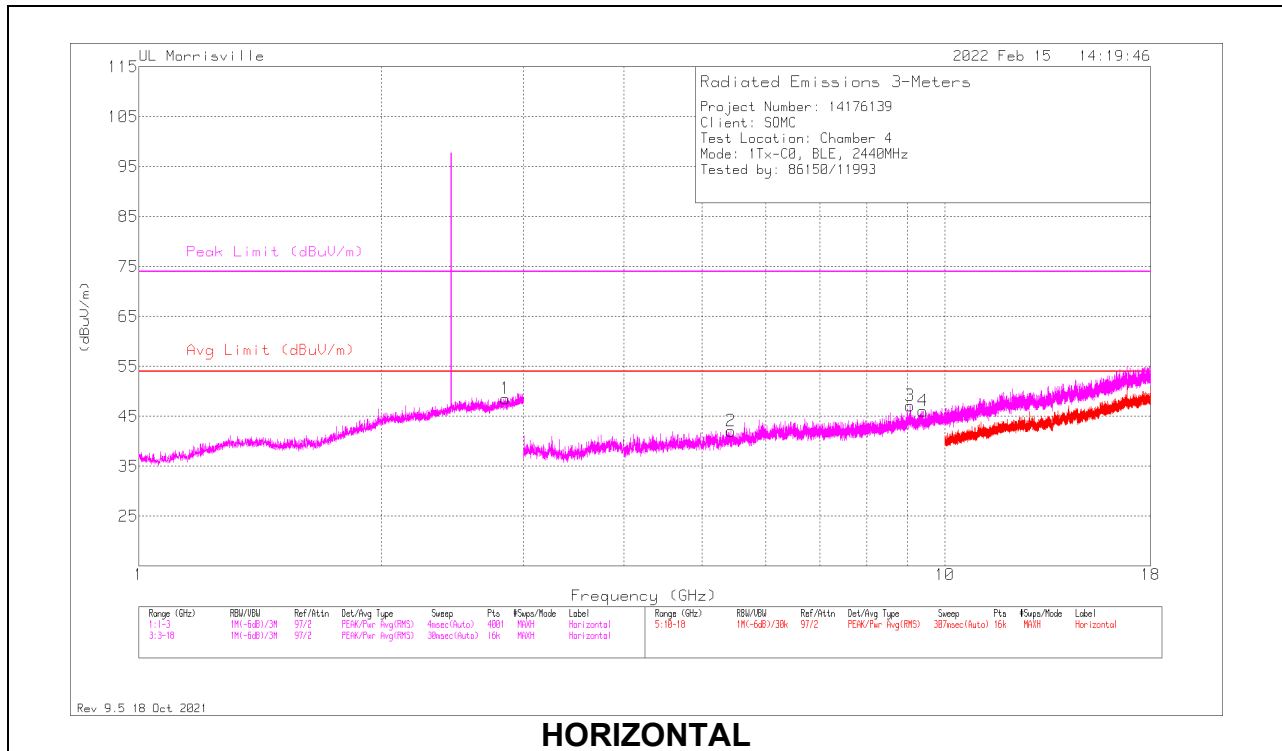
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADR - AD primary method, RMS average

### MID CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.85144	28.78	PK2	32.4	-12.9	0	48.28	-	-	74	-25.72	158	316	H
	* ** 2.85031	16.59	ADR	32.4	-13	0.11	36.1	54	-17.9	-	-	158	316	H
5	* ** 2.8401	28.59	PK2	32.4	-13	0	47.99	-	-	74	-26.01	48	156	V
	* ** 2.83855	16.64	ADR	32.4	-13	0.11	36.15	54	-17.85	-	-	48	156	V
2	* ** 5.43188	38.97	Pk	34.4	-31.3	0	42.07	54	-11.93	74	-31.93	0-360	100	H
3	* ** 9.05625	36.58	Pk	36	-25.5	0	47.08	54	-6.92	74	-26.92	0-360	100	H
4	* ** 9.39563	35.74	Pk	36.4	-26.1	0	46.04	54	-7.96	74	-27.96	0-360	100	H
6	* ** 4.395	41.81	Pk	33.6	-32.4	0	43.01	54	-10.99	74	-30.99	0-360	200	V
7	* ** 4.23656	40.4	Pk	33.3	-32.1	0	41.6	54	-12.4	74	-32.4	0-360	200	V
8	* ** 9.44438	36.55	Pk	36.5	-26.5	0	46.55	54	-7.45	74	-27.45	0-360	200	V
9	* ** 9.1275	36.43	Pk	36.1	-26.3	0	46.23	54	-7.77	74	-27.77	0-360	200	V

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

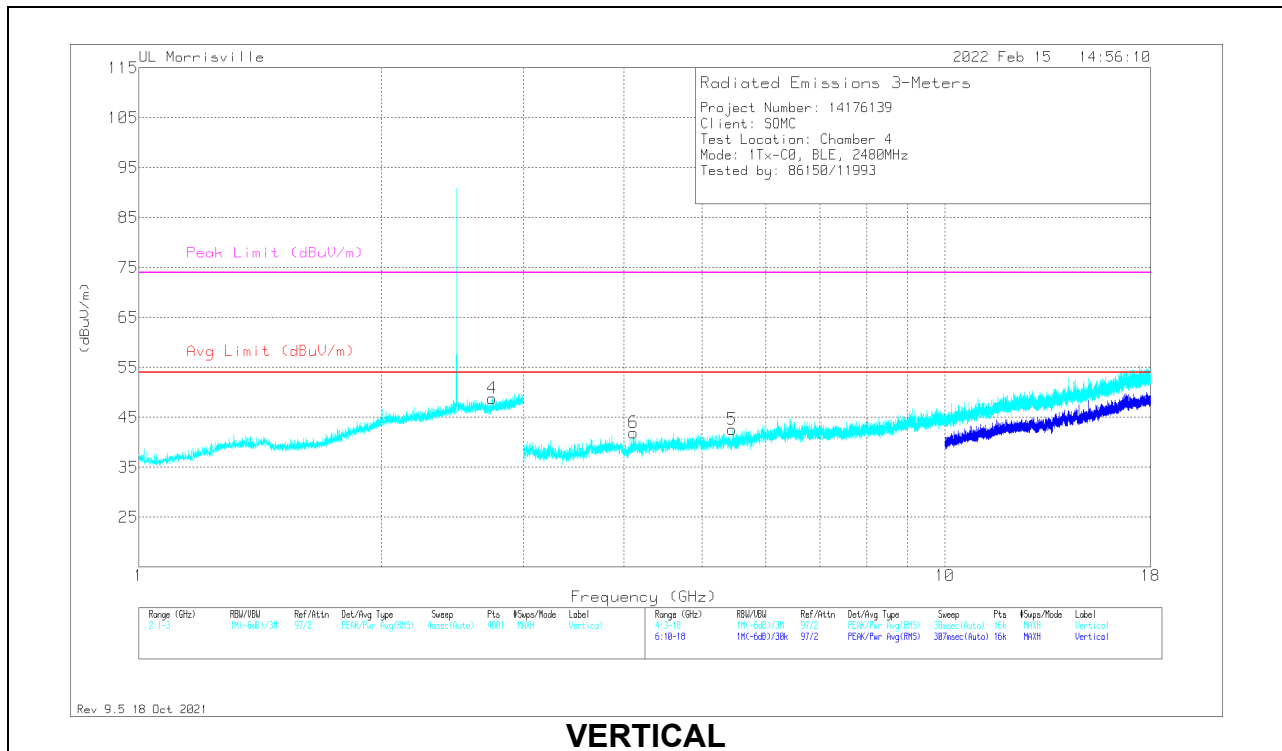
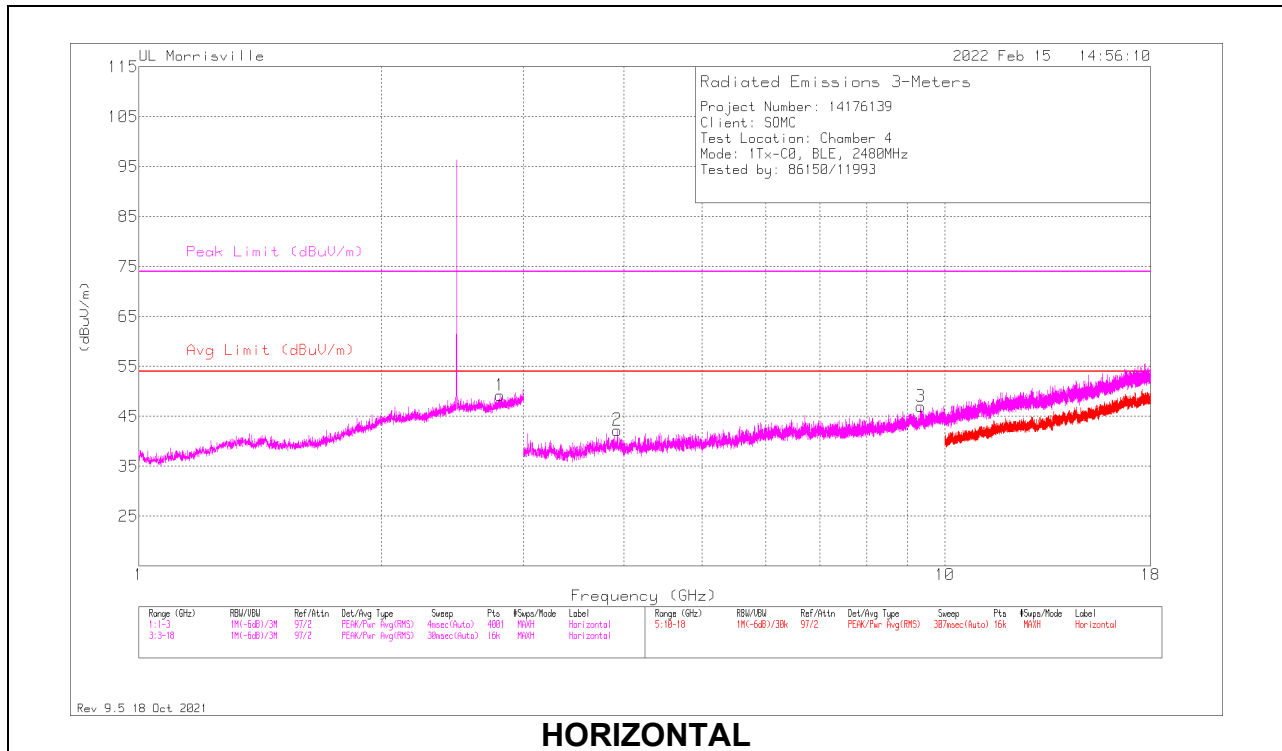
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADR - AD primary method, RMS average

### HIGH CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.80728	29.04	PK2	32.3	-13	0	48.34	-	-	74	-25.66	77	161	H
	* ** 2.80722	16.79	ADR	32.3	-13	0.11	36.2	54	-17.8	-	-	77	161	H
4	* ** 2.74583	29.08	PK2	31.9	-13.2	0	47.78	-	-	74	-26.22	17	274	V
	* ** 2.74357	16.77	ADR	31.9	-13.2	0.11	35.58	54	-18.42	-	-	17	274	V
2	* ** 3.92438	42.16	Pk	33.3	-33.2	0	42.26	54	-11.74	74	-31.74	0-360	100	H
3	* ** 9.3375	36.39	Pk	36.4	-25.8	0	46.99	54	-7.01	74	-27.01	0-360	100	H
5	* ** 5.44594	39.49	Pk	34.4	-31.3	0	42.59	54	-11.41	74	-31.41	0-360	200	V
6	* ** 4.11	41.58	Pk	33.4	-33	0	41.98	54	-12.02	74	-32.02	0-360	200	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

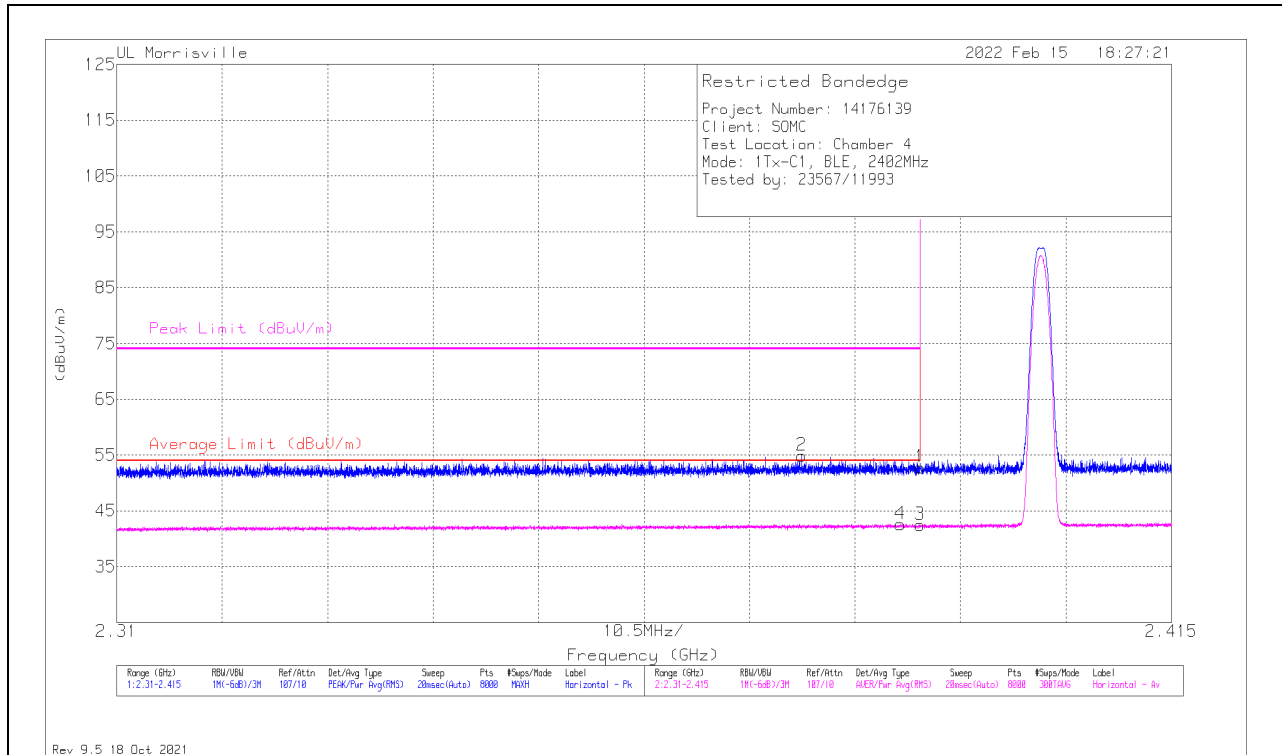
PK2 - Maximum Peak

ADR - AD primary method, RMS average

**Chain 1**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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	34.57	Pk	32	-13.8	0	52.77	-	-	74	-21.23	321	103	H
2	* ** 2.37817	36.77	Pk	32	-13.9	0	54.87	-	-	74	-19.13	321	103	H
3	* ** 2.39	24.16	RMS	32	-13.8	.11	42.47	54	-11.53	-	-	321	103	H
4	* ** 2.38801	24.34	RMS	32	-13.8	.11	42.65	54	-11.35	-	-	321	103	H

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

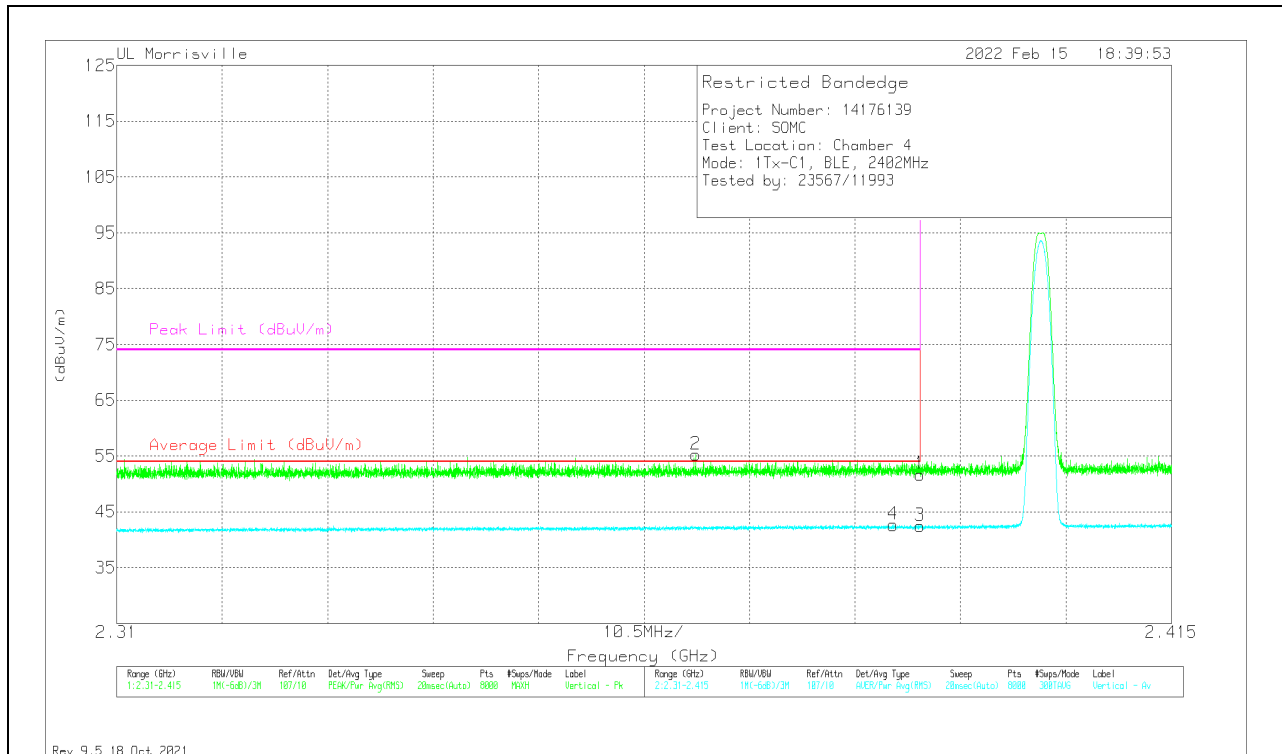
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT

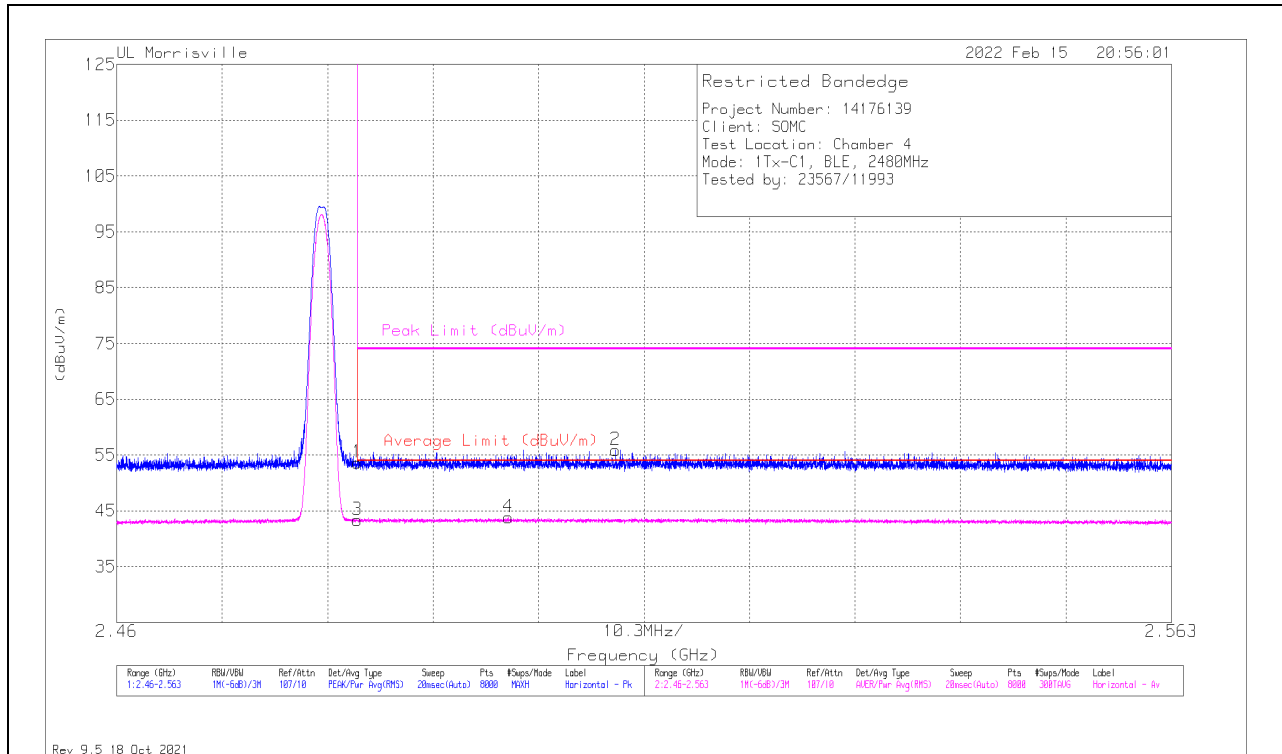


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	33.52	Pk	32	-13.8	0	51.72	-	-	74	-22.28	31	100	V
2	* ** 2.36765	37.15	Pk	32	-13.9	0	55.25	-	-	74	-18.75	31	100	V
3	* ** 2.39	24.11	RMS	32	-13.8	.11	42.42	54	-11.58	-	-	31	100	V
4	* ** 2.38729	24.35	RMS	32	-13.8	.11	42.66	54	-11.34	-	-	31	100	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

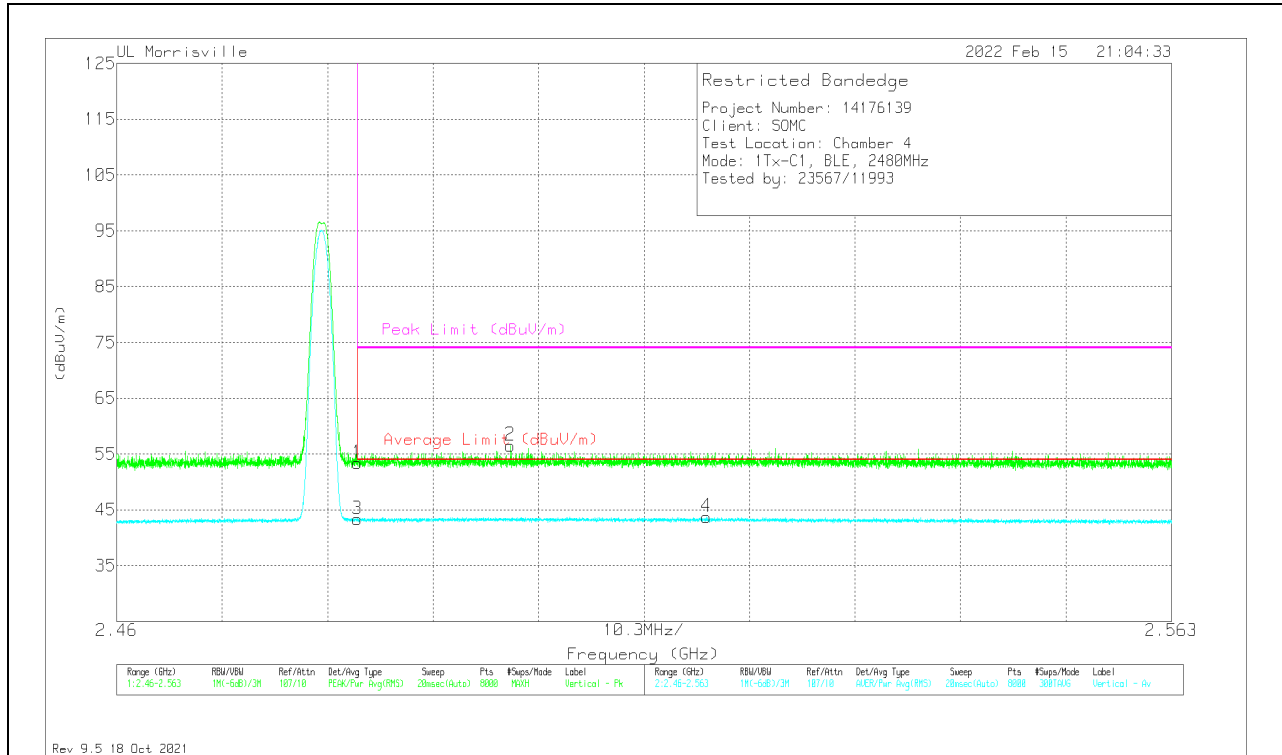
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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	34.69	Pk	32.6	-13.7	0	53.59	-	-	74	-20.41	342	103	H
2	** 2.5087	36.98	Pk	32.5	-13.6	0	55.88	-	-	74	-18.12	342	103	H
3	*** 2.4835	24.3	RMS	32.6	-13.7	.11	43.31	54	-10.69	-	-	342	103	H
4	*** 2.49822	24.81	RMS	32.6	-13.7	.11	43.82	54	-10.18	-	-	342	103	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT

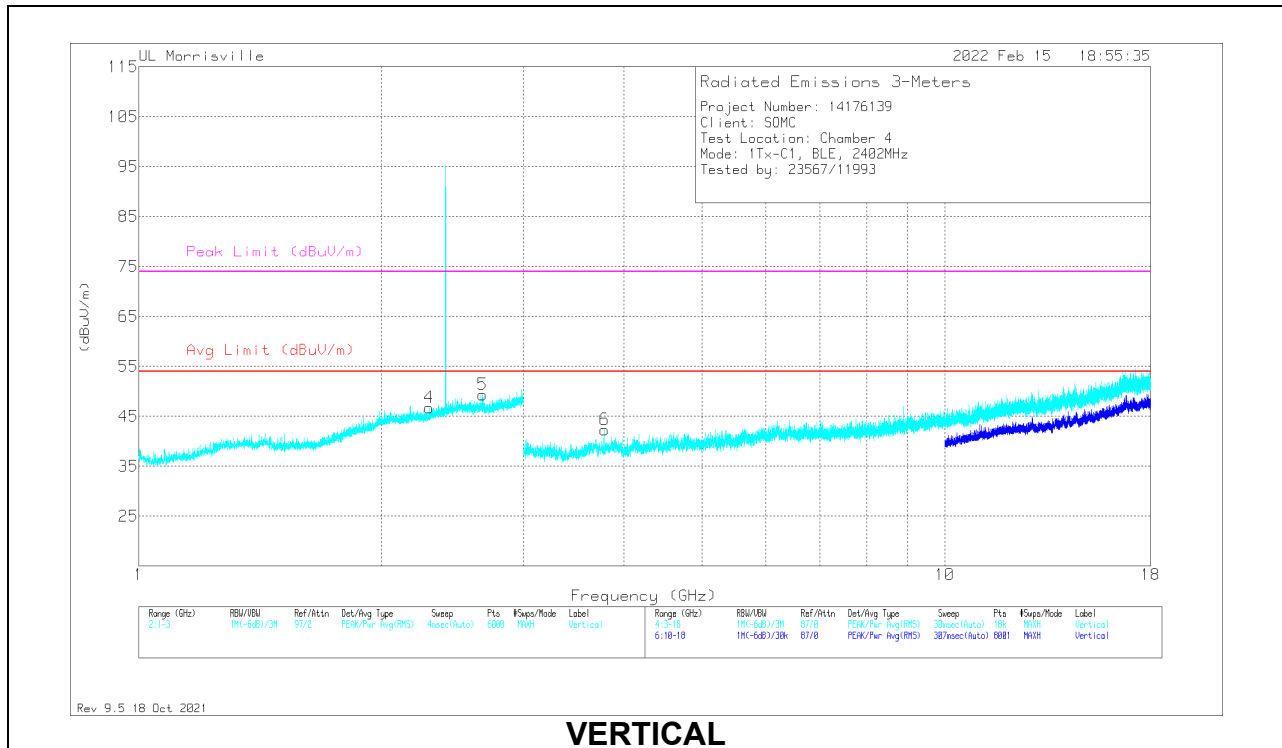
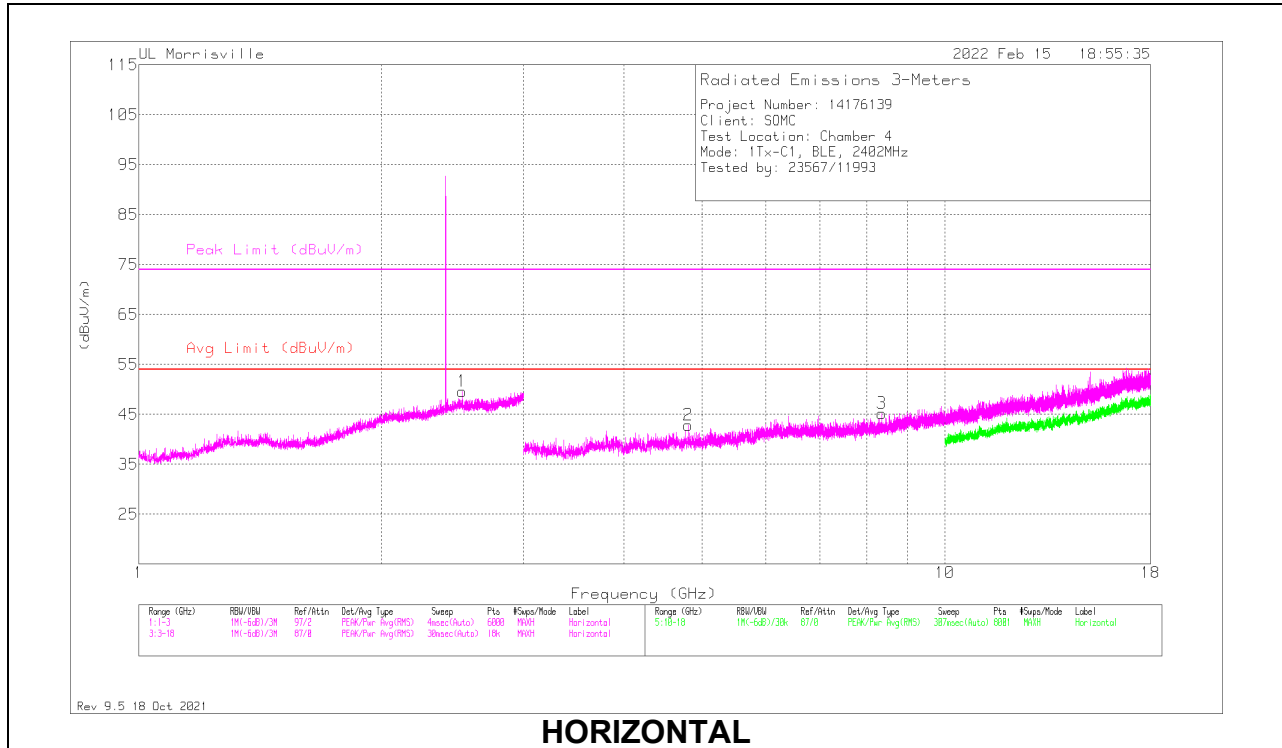


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	34.46	Pk	32.6	-13.7	0	53.36	-	-	74	-20.64	327	100	V
2	** 2.49843	37.66	Pk	32.6	-13.7	0	56.56	-	-	74	-17.44	327	100	V
3	*** 2.4835	24.32	RMS	32.6	-13.7	.11	43.33	54	-10.67	-	-	327	100	V
4	** 2.5176	24.76	RMS	32.6	-13.7	.11	43.77	54	-10.23	-	-	327	100	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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
1	** 2.52028	28.65	PK2	32.6	-13.7	0	47.55	-	-	74	-26.45	138	309	H
	** 2.51963	16.85	ADR	32.6	-13.7	.11	35.86	54	-18.14	-	-	138	309	H
4	* ** 2.29322	29.07	Pk	31.7	-14	0	46.77	54	-7.23	74	-27.23	0-360	200	V
5	* ** 2.67026	29.4	PK2	32.1	-13.3	0	48.2	-	-	74	-25.8	301	234	V
	* ** 2.67105	17.07	ADR	32.1	-13.3	.11	35.98	54	-18.02	-	-	301	234	V
2	* ** 4.80427	41.33	Pk	34	-32.5	0	42.83	54	-11.17	74	-31.17	0-360	100	H
3	* ** 8.3553	37.24	Pk	35.7	-27.8	0	45.14	54	-8.86	74	-28.86	0-360	100	H
6	* ** 3.78588	42.67	Pk	33.3	-33.6	0	42.37	54	-11.63	74	-31.63	0-360	200	V

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

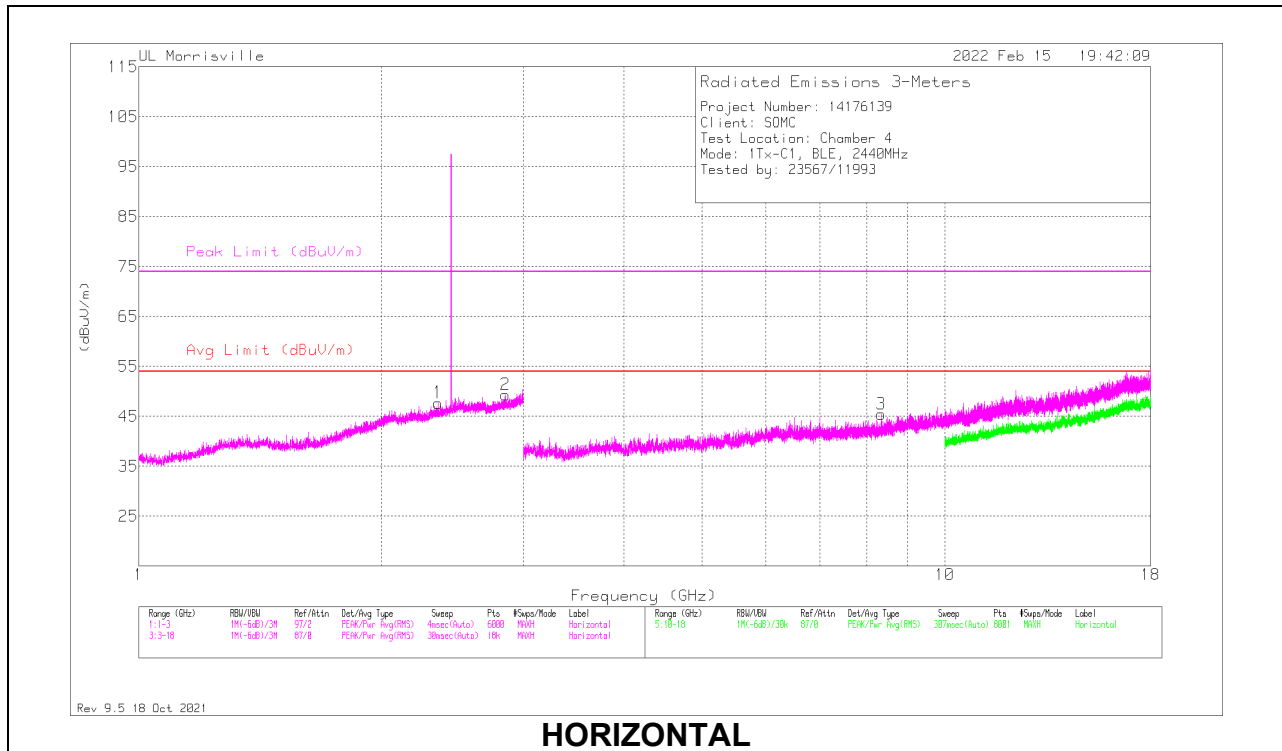
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

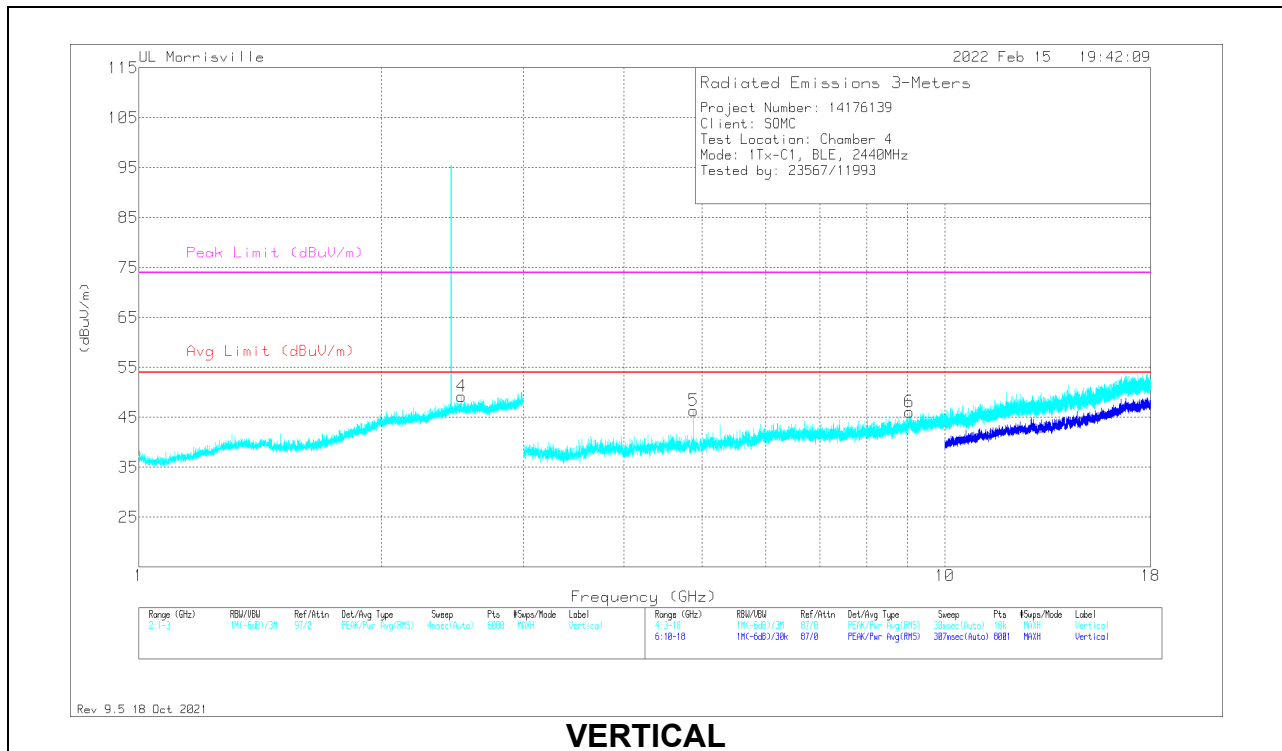
PK2 - Maximum Peak

ADR - AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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
1	* ** 2.35223	29.71	Pk	31.9	-13.9	0	47.71	54	-6.29	74	-26.29	0-360	100	H
2	* ** 2.84761	28.93	PK2	32.4	-13	0	48.33	-	-	74	-25.67	192	385	H
	* ** 2.84789	17.01	ADR	32.4	-13	.11	36.52	54	-17.48	-	-	192	385	H
4	** 2.51542	29.12	PK2	32.6	-13.7	0	48.02	-	-	74	-25.98	359	196	V
	** 2.51552	16.92	ADR	32.6	-13.7	.11	35.93	54	-18.07	-	-	359	196	V
3	* ** 8.33947	37.45	Pk	35.7	-27.7	0	45.45	54	-8.55	74	-28.55	0-360	100	H
5	* ** 4.88011	44.64	Pk	33.9	-32.2	0	46.34	54	-7.66	74	-27.66	0-360	200	V
6	* ** 9.04367	35.78	Pk	35.9	-25.6	0	46.08	54	-7.92	74	-27.92	0-360	200	V

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

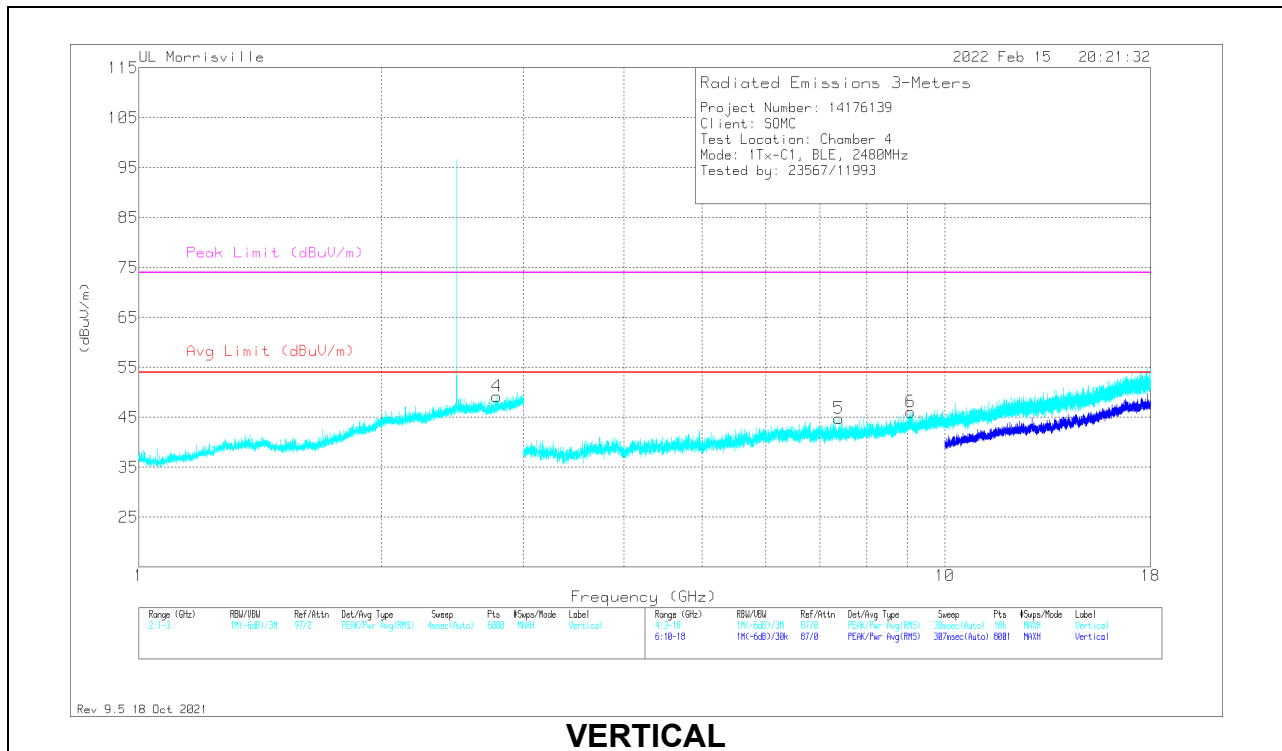
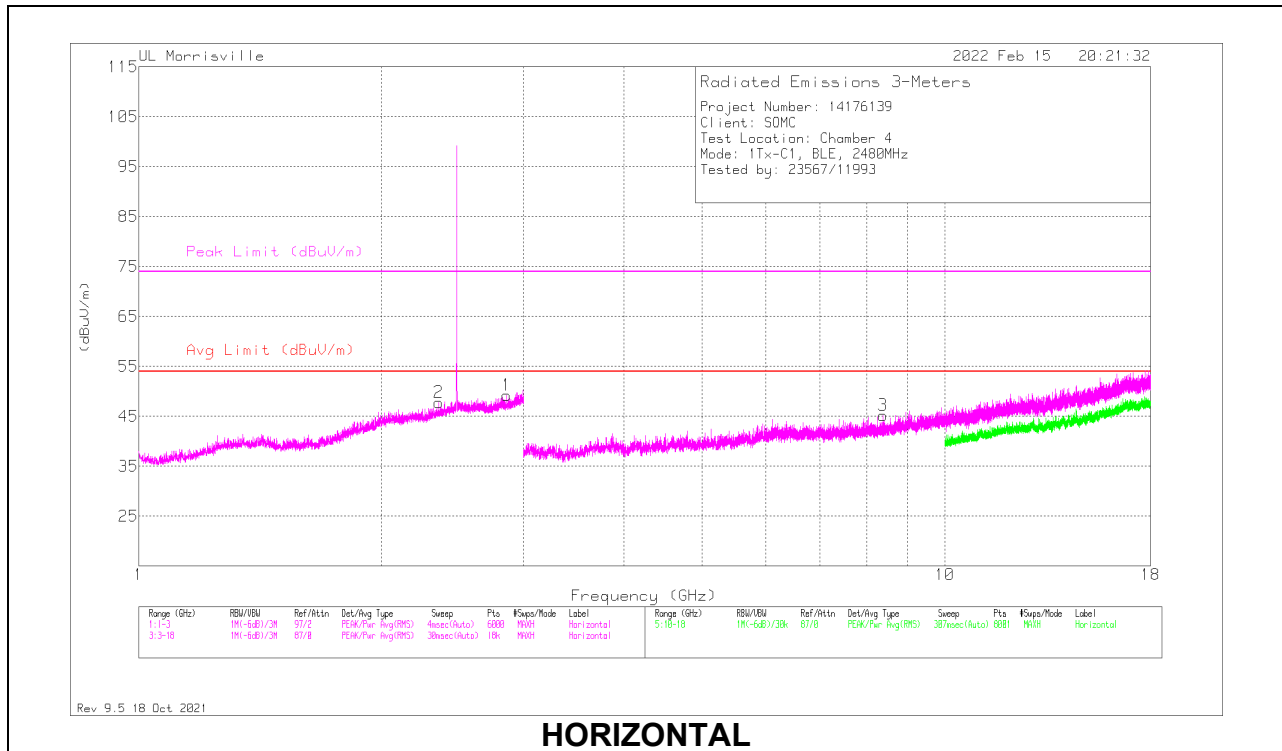
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADR - AD primary method, RMS average

### HIGH CHANNEL RESULTS





**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Filtr/Pad (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
1	* ** 2.86328	28.85	PK2	32.4	-12.9	0	48.35	-	-	74	-25.65	114	308	H
	* ** 2.86048	16.76	ADR	32.4	-12.9	.11	36.37	54	-17.63	-	-	114	308	H
2	* ** 2.35689	29.72	Pk	31.9	-13.9	0	47.72	54	-6.28	74	-26.28	0-360	100	H
4	* ** 2.78046	28.62	PK2	32.1	-13.1	0	47.62	-	-	74	-26.38	19	365	V
	* ** 2.78261	16.92	ADR	32.1	-13.1	.11	36.03	54	-17.97	-	-	19	365	V
3	* ** 8.37947	37.21	Pk	35.7	-27.7	0	45.21	54	-8.79	74	-28.79	0-360	100	H
5	* ** 7.38775	38.15	Pk	35.6	-28.9	0	44.85	54	-9.15	74	-29.15	0-360	200	V
6	* ** 9.07034	35.54	Pk	36	-25.5	0	46.04	54	-7.96	74	-27.96	0-360	200	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

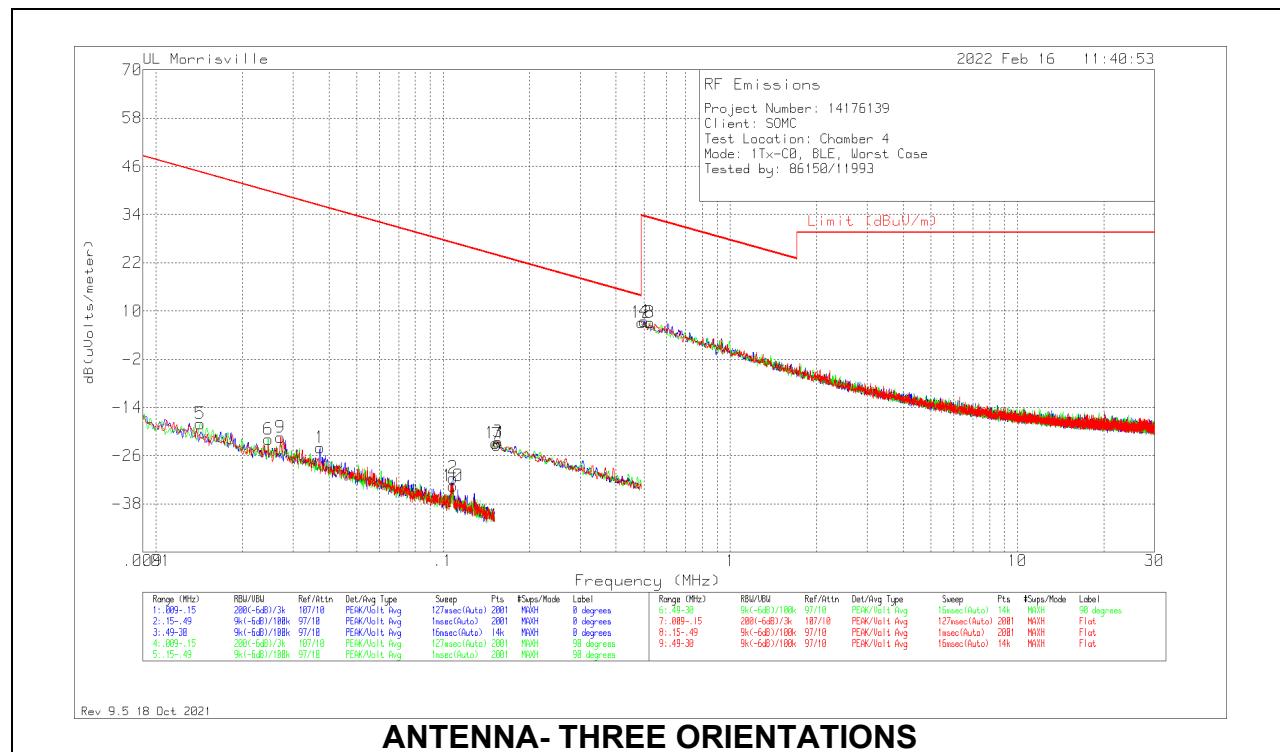
PK2 - Maximum Peak

ADR - AD primary method, RMS average

### 10.3. WORST CASE BELOW 30MHZ

Note: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were 40\*Log (test distance / specification distance).

#### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

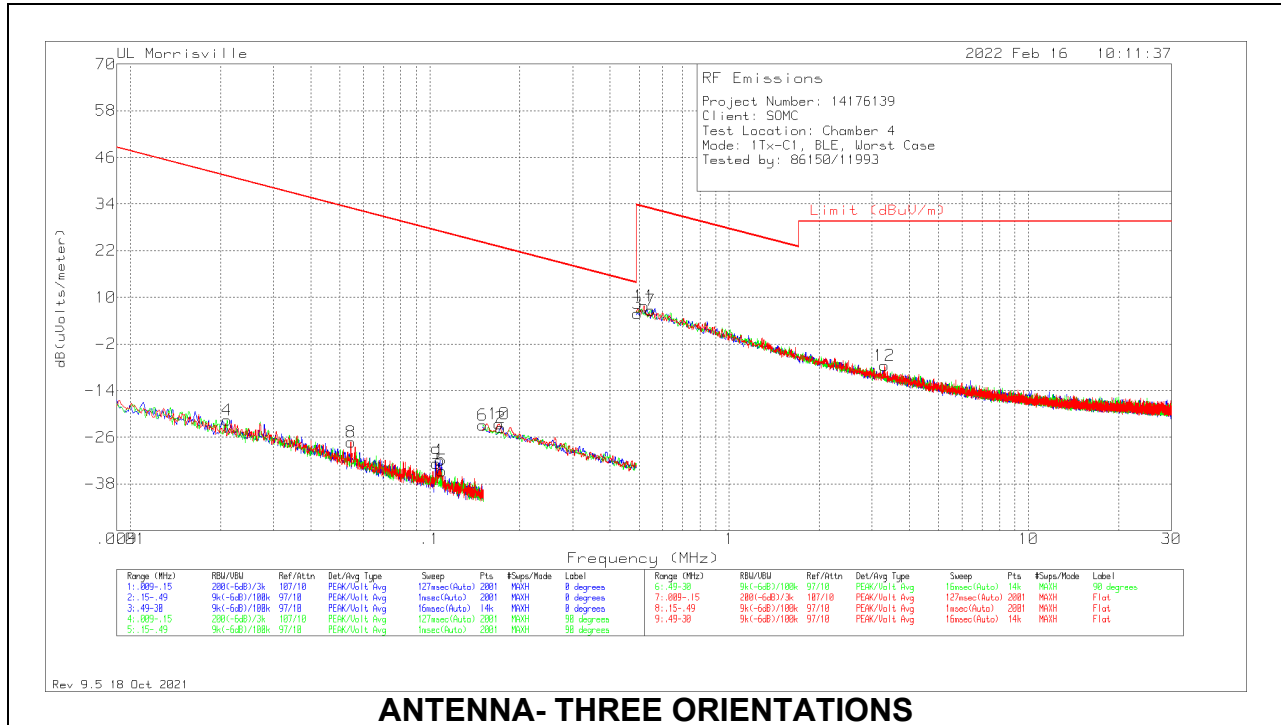


#### ANTENNA- THREE ORIENTATIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0079 (dB/m)	Cbl (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.01425	45.31	Pk	16.6	.1	-80	-17.99	44.53	64.53	-62.52	0-360
6	.02462	44.23	Pk	13.7	.1	-80	-21.97	39.78	59.78	-61.75	0-360
9	.02718	45.03	Pk	13.5	.1	-80	-21.37	38.92	58.92	-60.29	0-360
1	.03726	43.07	Pk	12.8	.1	-80	-24.03	36.18	56.18	-60.21	0-360
2	.10805	36.97	Pk	11.4	.1	-80	-31.53	26.93	-	-58.46	0-360
10	.10805	34.91	Pk	11.4	.1	-80	-33.59	26.93	-	-60.52	0-360
11	.15221	45.8	Pk	11.2	.1	-80	-22.9	23.96	43.96	-46.86	0-360
7	.15374	45.41	Pk	11.2	.1	-80	-23.29	23.87	43.87	-47.16	0-360
3	.15502	46.2	Pk	11.2	.1	-80	-22.5	23.8	43.8	-46.3	0-360
12	.49211	35.76	Pk	11.2	.2	-40	7.16	33.76	-	-26.6	0-360
4	.50054	35.98	Pk	11.2	.2	-40	7.38	33.62	-	-26.24	0-360
8	.52584	35.66	Pk	11.2	.2	-40	7.06	33.19	-	-26.13	0-360

Pk - Peak detector

**SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION CHAIN 1)**



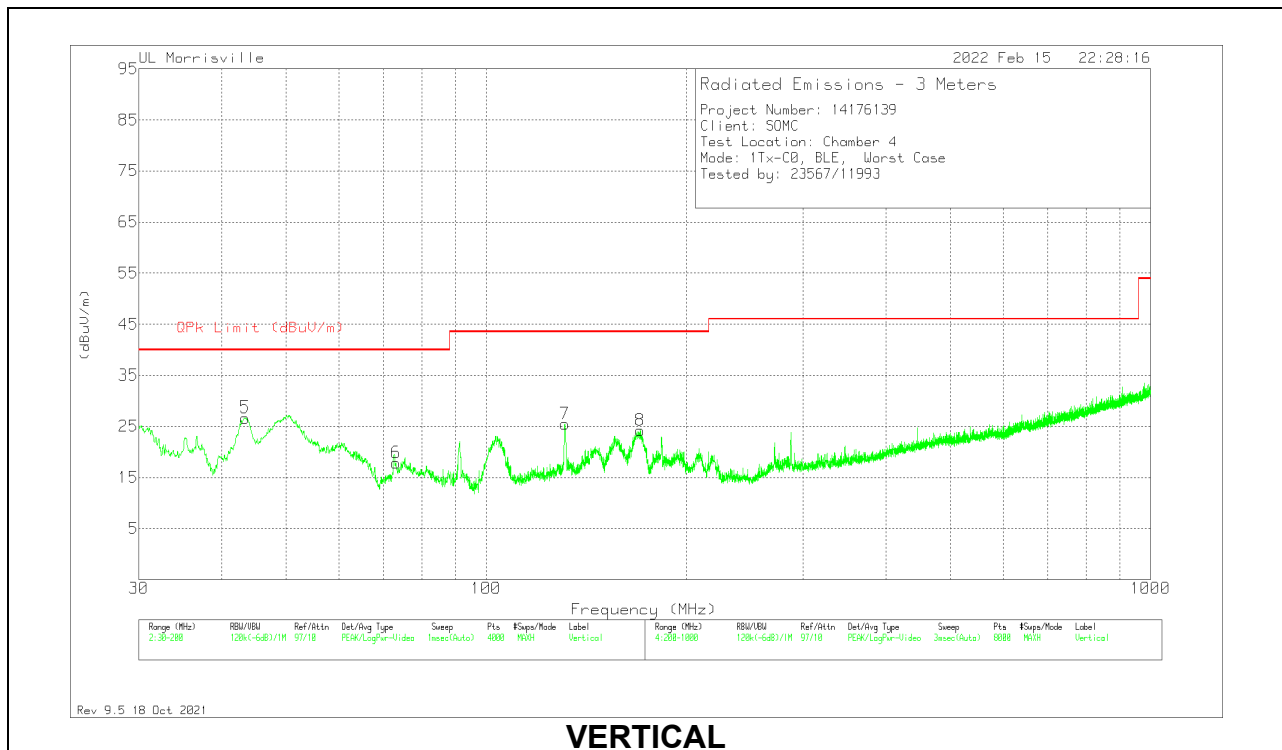
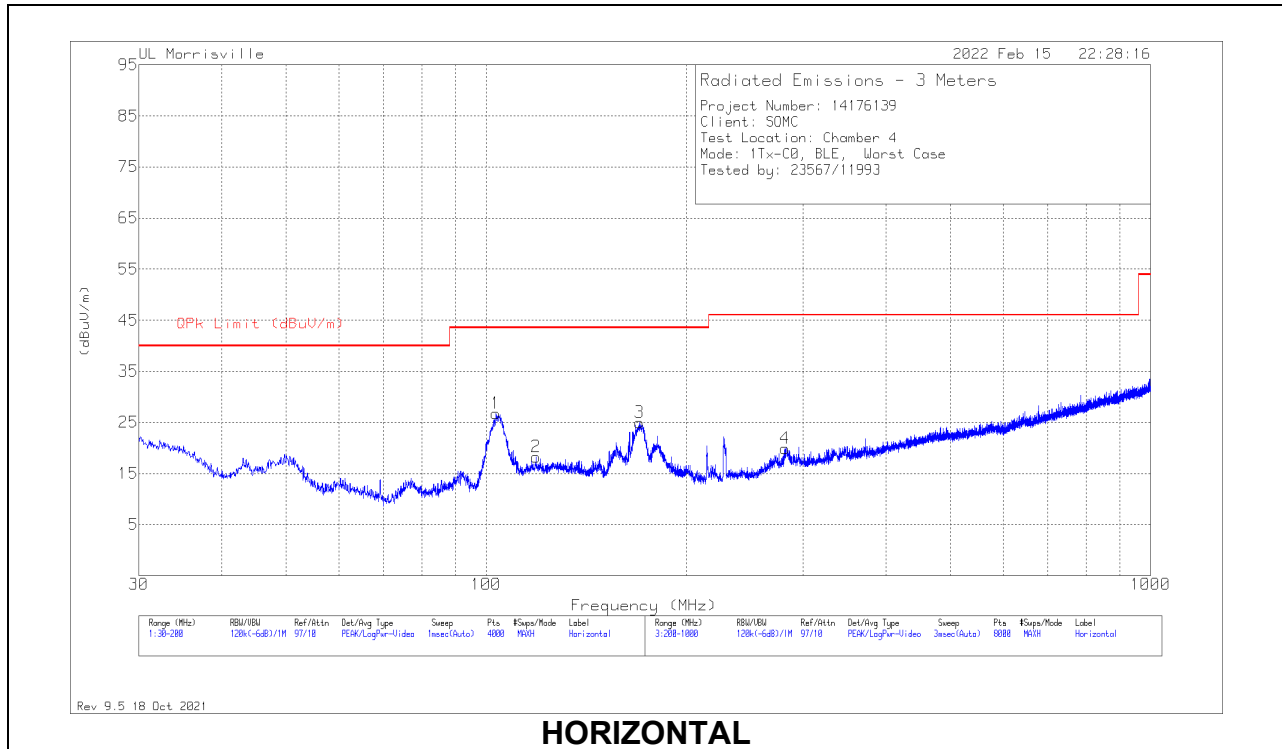
**ANTENNA- THREE ORIENTATIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0079 (dB/m)	Cbl (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
4	.021	44.25	Pk	14	.1	-80	-21.65	41.16	61.16	-62.81	0-360
8	.05444	40.96	Pk	11.7	.1	-80	-27.24	32.89	52.89	-60.13	0-360
9	.10521	35.74	Pk	11.4	.1	-80	-32.76	27.16	-	-59.92	0-360
1	.10805	36.57	Pk	11.4	.1	-80	-31.93	26.93	-	-58.86	0-360
5	.10961	33.91	Pk	11.4	.1	-80	-34.59	26.81	-	-61.4	0-360
6	.15043	45.82	Pk	11.2	.1	-80	-22.88	24.06	44.06	-46.94	0-360
10	.16989	46.07	Pk	11.2	.1	-80	-22.63	23	43	-45.63	0-360
2	.17304	45.2	Pk	11.2	.1	-80	-23.5	22.84	42.84	-46.34	0-360
3	.49422	34.5	Pk	11.2	.2	-40	5.9	33.73	-	-27.83	0-360
11	.51951	36.4	Pk	11.2	.2	-40	7.8	33.29	-	-25.49	0-360
7	.54692	35.29	Pk	11.2	.2	-40	6.69	32.85	-	-26.16	0-360
12	3.30418	20.69	Pk	11.4	.4	-40	-7.51	29.54	-	-37.05	0-360

Pk - Peak detector

### 10.4. WORST CASE 30-1000MHZ

#### SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION CHAIN 0)



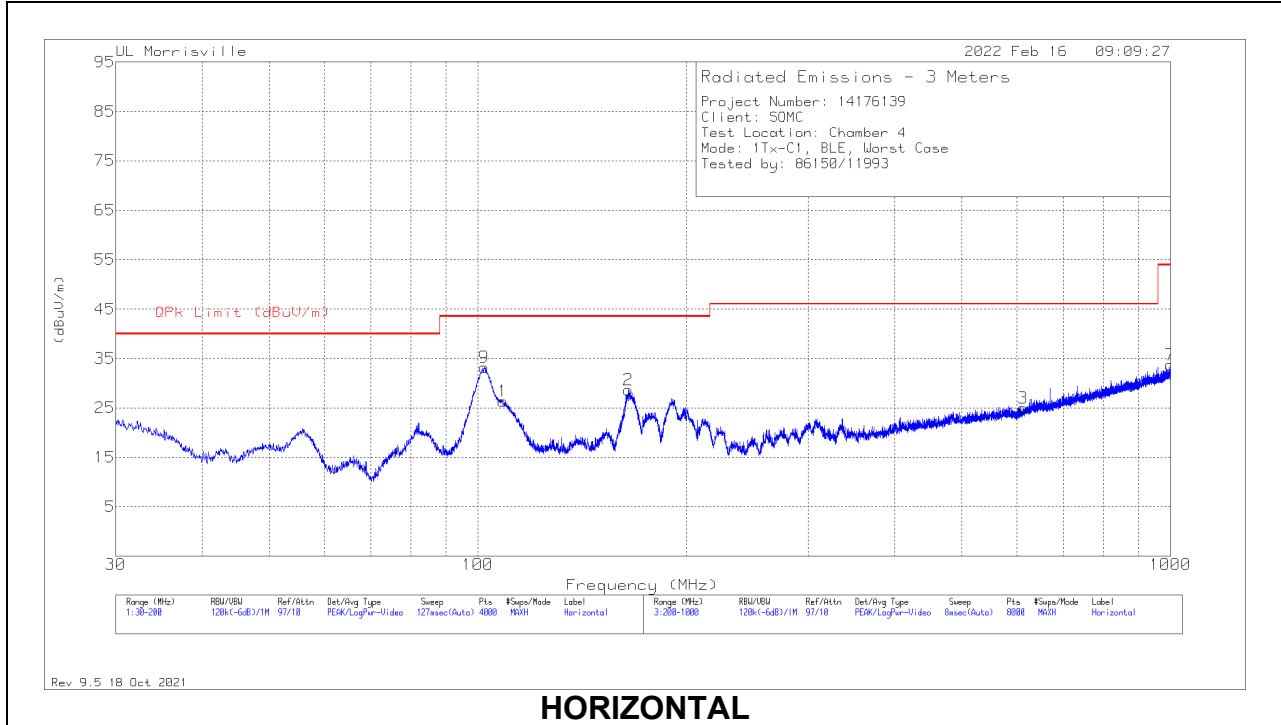
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206210 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 118.8905	30.37	Pk	17.8	-29.9	18.27	43.52	-25.25	0-360	100	H
3	* ** 170.1163	38.56	Pk	15.8	-29.4	24.96	43.52	-18.56	0-360	100	H
6	* 73.1912	36.23	Pk	12.2	-30.6	17.83	40	-22.17	0-360	100	V
7	* ** 131.3037	37.53	Pk	17.7	-29.7	25.53	43.52	-17.99	0-360	100	V
8	* ** 170.5839	37.75	Pk	15.8	-29.3	24.25	43.52	-19.27	0-360	100	V
4	* ** 281.9106	30.85	Pk	17.4	-28.4	19.85	46.02	-26.17	0-360	100	H
5	43.3485	42.48	Pk	15.2	-31	26.68	-	-	0-360	100	V
1	103.5015	41.3	Pk	15.5	-30.1	26.7	-	-	0-360	200	H

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

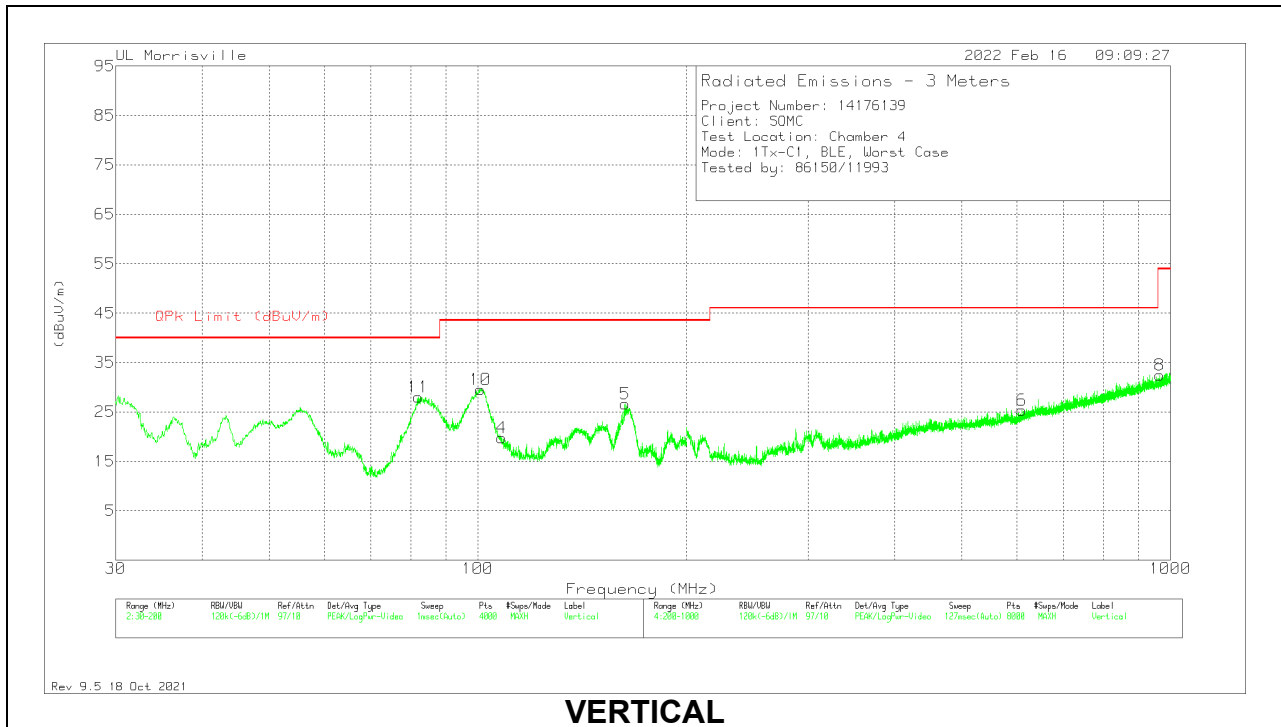
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION CHAIN 1)**



**HORIZONTAL**



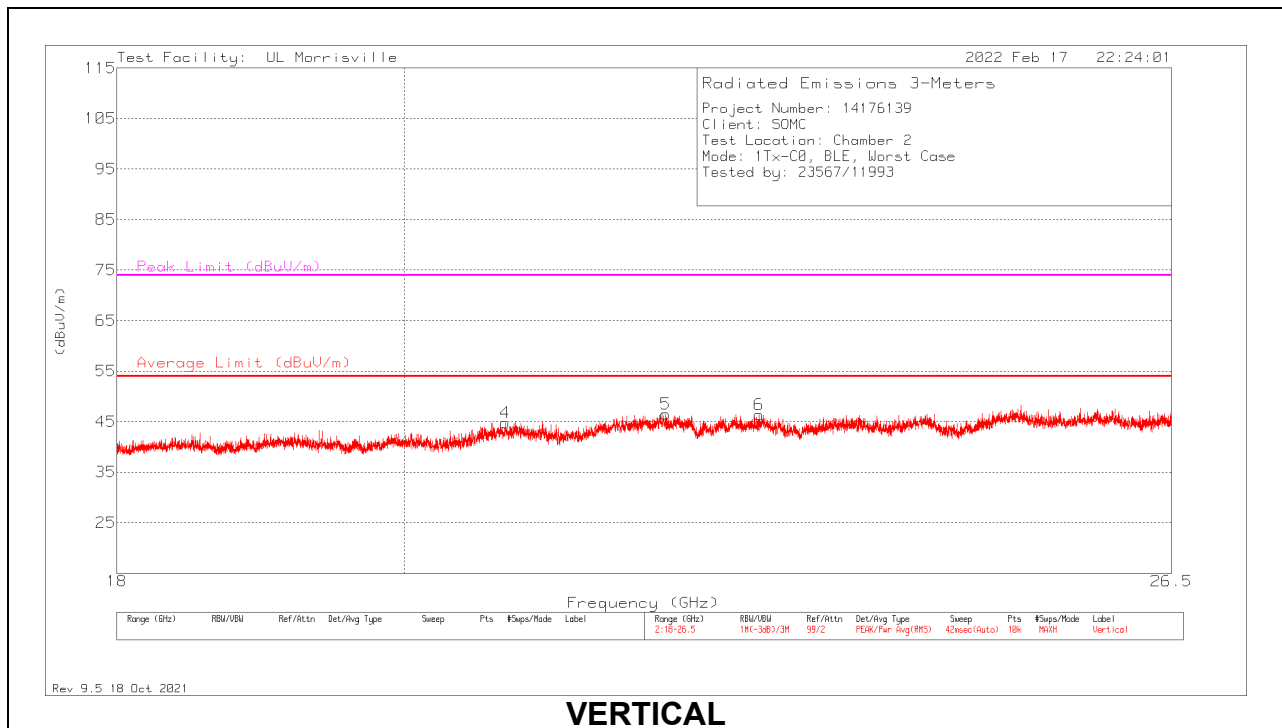
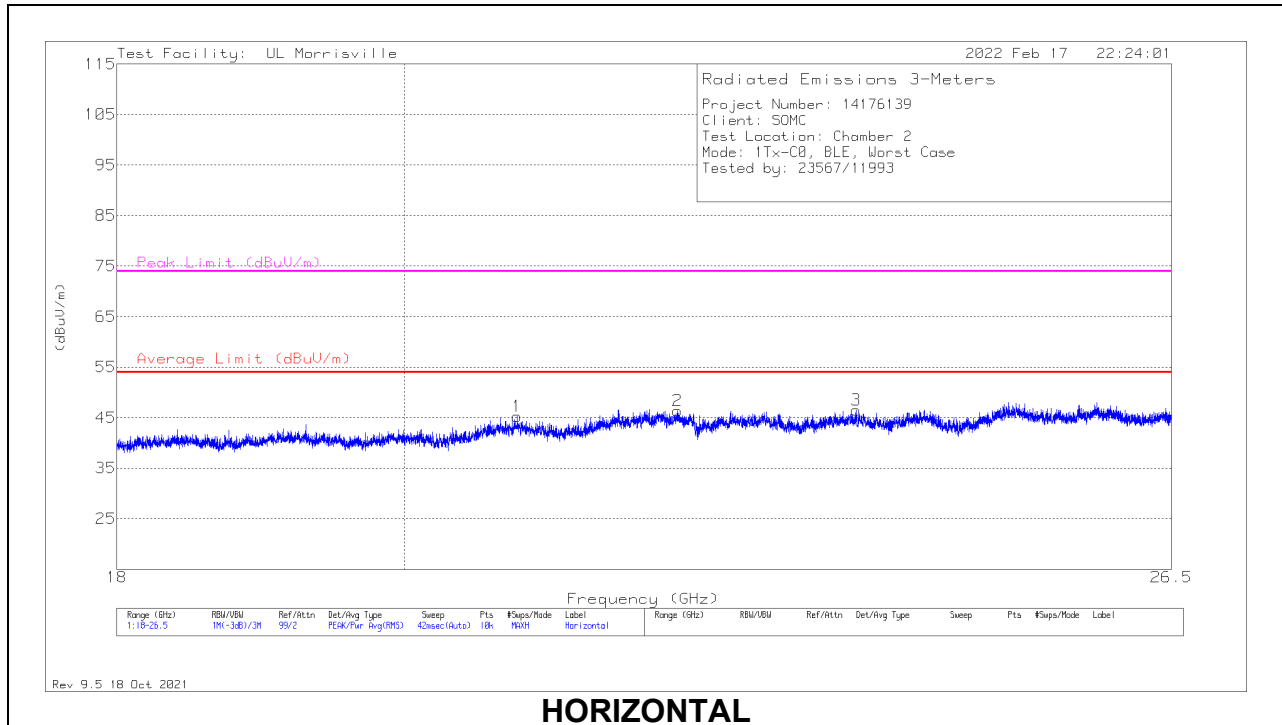
**VERTICAL**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206210 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 108.7304	39.83	Pk	16.5	-30	26.33	43.52	-17.19	0-360	200	H
2	* ** 165.0574	42	Pk	16.1	-29.4	28.7	43.52	-14.82	0-360	100	H
4	* ** 108.1777	33.4	Pk	16.4	-30	19.8	43.52	-23.72	0-360	100	V
5	* ** 163.0594	39.76	Pk	16.2	-29.4	26.56	43.52	-16.96	0-360	100	V
3	* ** 612.7537	28.42	Pk	22.9	-26.3	25.02	46.02	-21	0-360	200	H
7	* ** 999.2039	28.48	Pk	27.5	-22.3	33.68	53.97	-20.29	0-360	100	H
6	* ** 610.1533	28.83	Pk	22.8	-26.3	25.33	46.02	-20.69	0-360	100	V
8	* ** 965.3995	28.43	Pk	26.9	-22.9	32.43	53.97	-21.54	0-360	100	V
11	82.0335	46.97	Pk	11.5	-30.4	28.07	-	-	0-360	100	V
10	100.7596	44.91	Pk	14.7	-30.1	29.51	-	-	0-360	100	V
9	102.1412	48.21	Pk	15.1	-30.1	33.21	-	-	0-360	200	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

### 10.5. WORST CASE 18-26 GHz

#### SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION CHAIN 0)

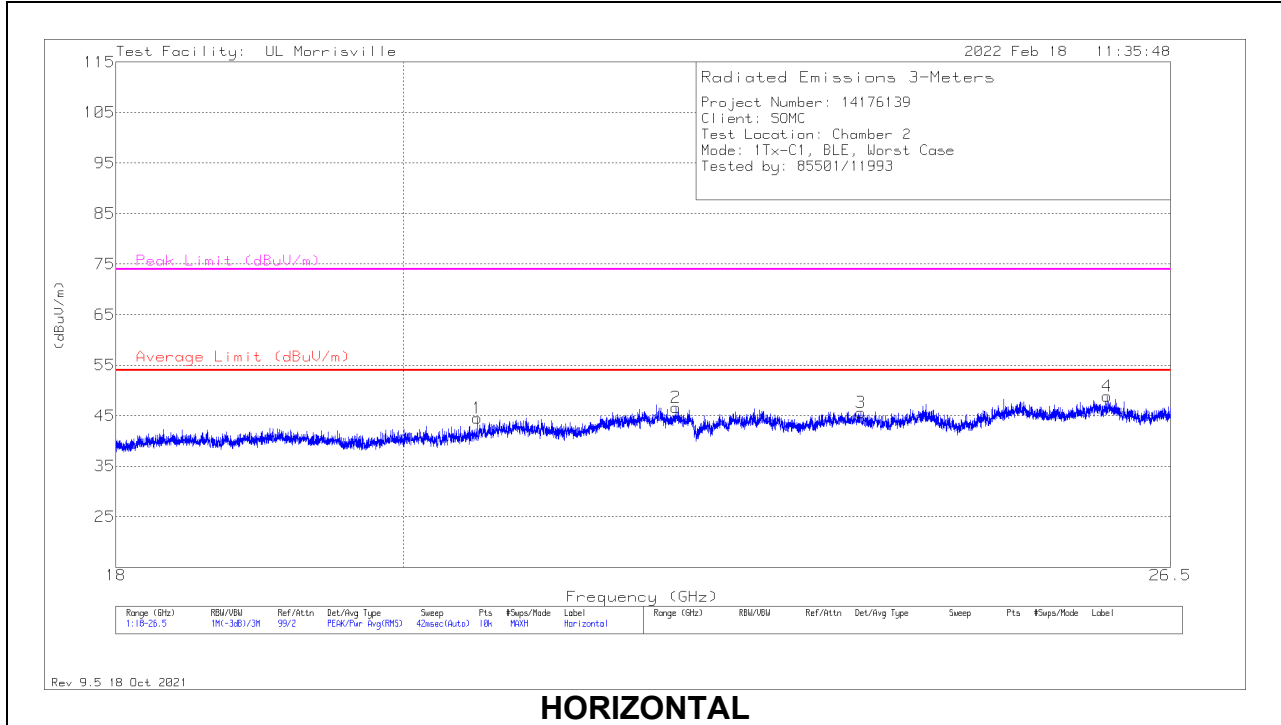




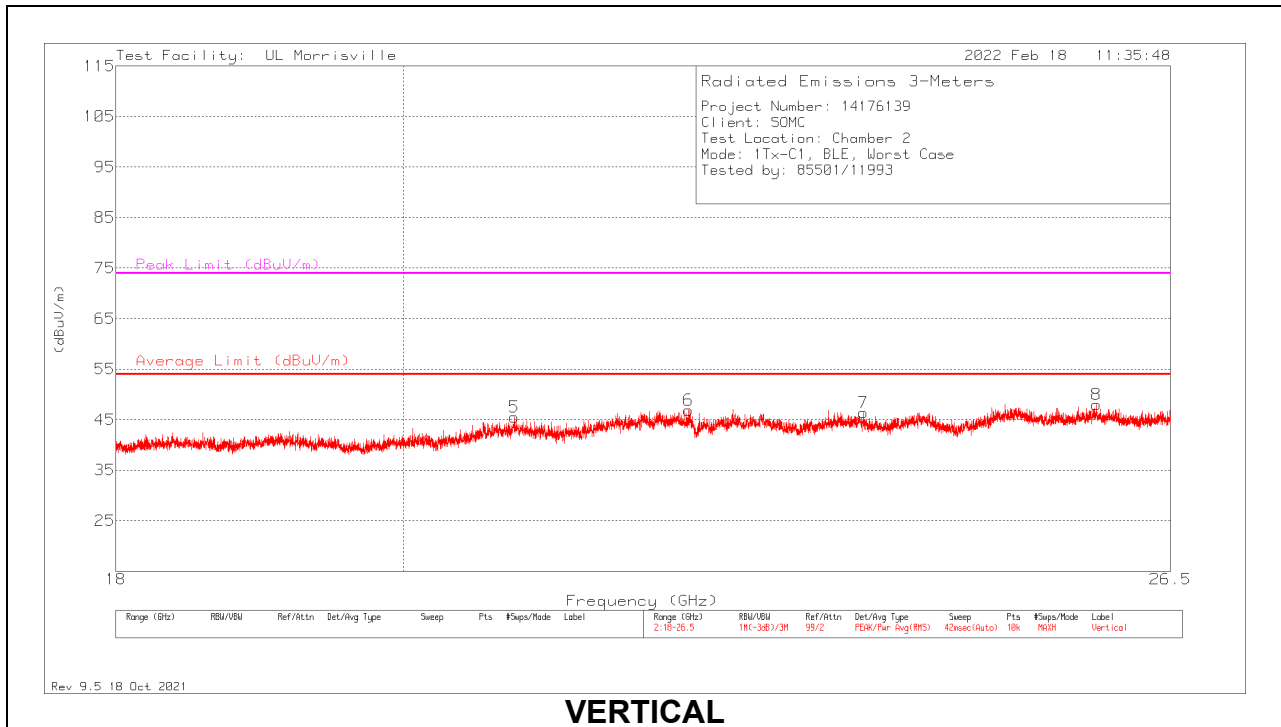
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0063 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 20.84807	49.19	Pk	34.1	-38	0	45.29	54	-8.71	74	-28.71	0-360	250	H
2	*** 22.10849	47.27	Pk	37	-37.9	0	46.37	54	-7.63	74	-27.63	0-360	149	H
3	*** 23.60604	48.75	Pk	34.9	-37.1	0	46.55	54	-7.45	74	-27.45	0-360	300	H
4	*** 20.75372	48.86	Pk	34	-38.1	0	44.76	54	-9.24	74	-29.24	0-360	150	V
5	*** 22.0133	47.82	Pk	37	-38.3	0	46.52	54	-7.48	74	-27.48	0-360	101	V
6	*** 22.78247	48.41	Pk	35.9	-37.9	0	46.41	54	-7.59	74	-27.59	0-360	250	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

**SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION CHAIN 1)**



**HORIZONTAL**



**VERTICAL**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0063 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 20.55314	48.88	Pk	33.9	-38.3	0	44.48	54	-9.52	74	-29.52	0-360	250	H
2	*** 22.10509	47.7	Pk	37.1	-38.2	0	46.6	54	-7.4	74	-27.4	0-360	300	H
3	*** 23.65533	48.07	Pk	34.9	-37.3	0	45.67	54	-8.33	74	-28.33	0-360	250	H
5	*** 20.83447	49.52	Pk	34.1	-38.1	0	45.52	54	-8.48	74	-28.48	0-360	300	V
6	*** 22.20708	47.82	Pk	36.9	-37.9	0	46.82	54	-7.18	74	-27.18	0-360	200	V
7	*** 23.67913	48.72	Pk	34.9	-37.3	0	46.32	54	-7.68	74	-27.68	0-360	101	V
8	25.79117	48.95	Pk	35.2	-36.2	0	47.95	-	-	74	-26.05	0-360	150	V
4	25.89061	49.45	Pk	35.3	-35.9	0	48.85	-	-	74	-25.15	0-360	101	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 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 C63.4.

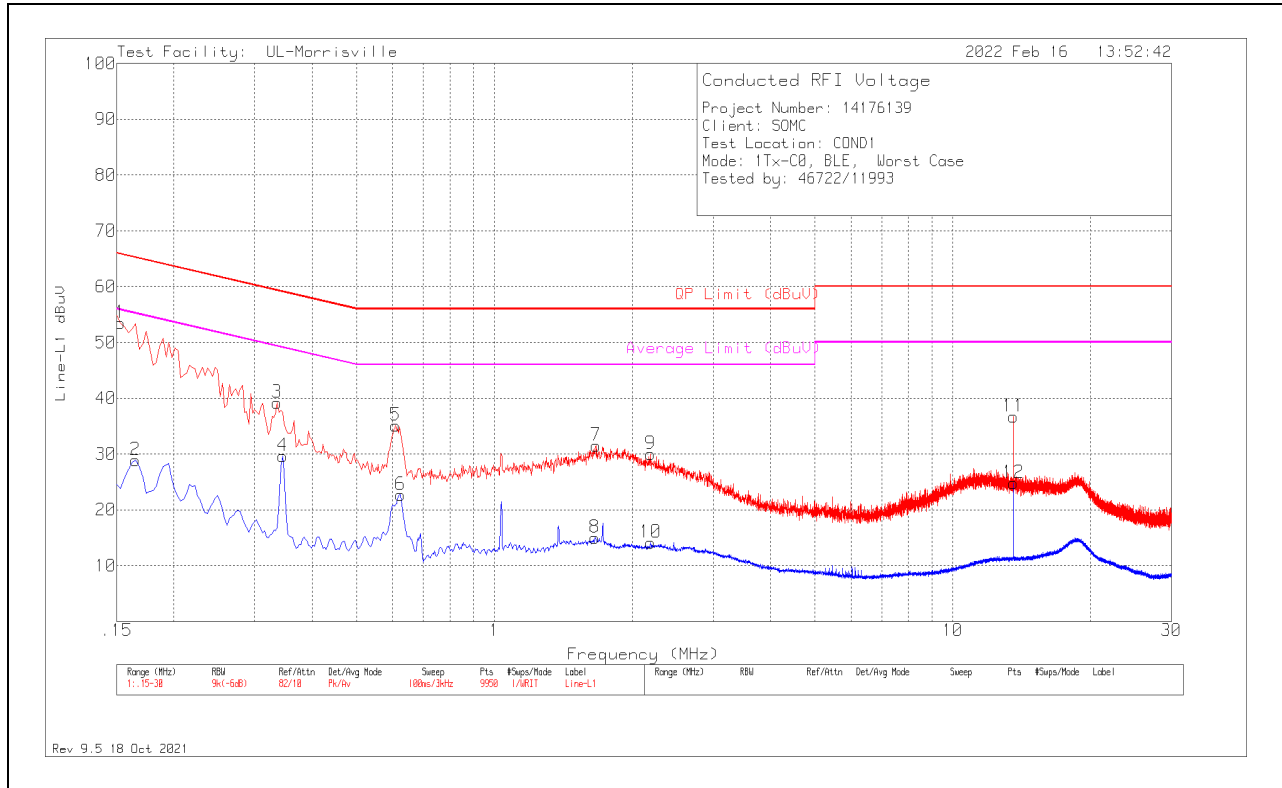
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

### RESULTS

# 11.1. AC Power Line Norm – CHAIN 0

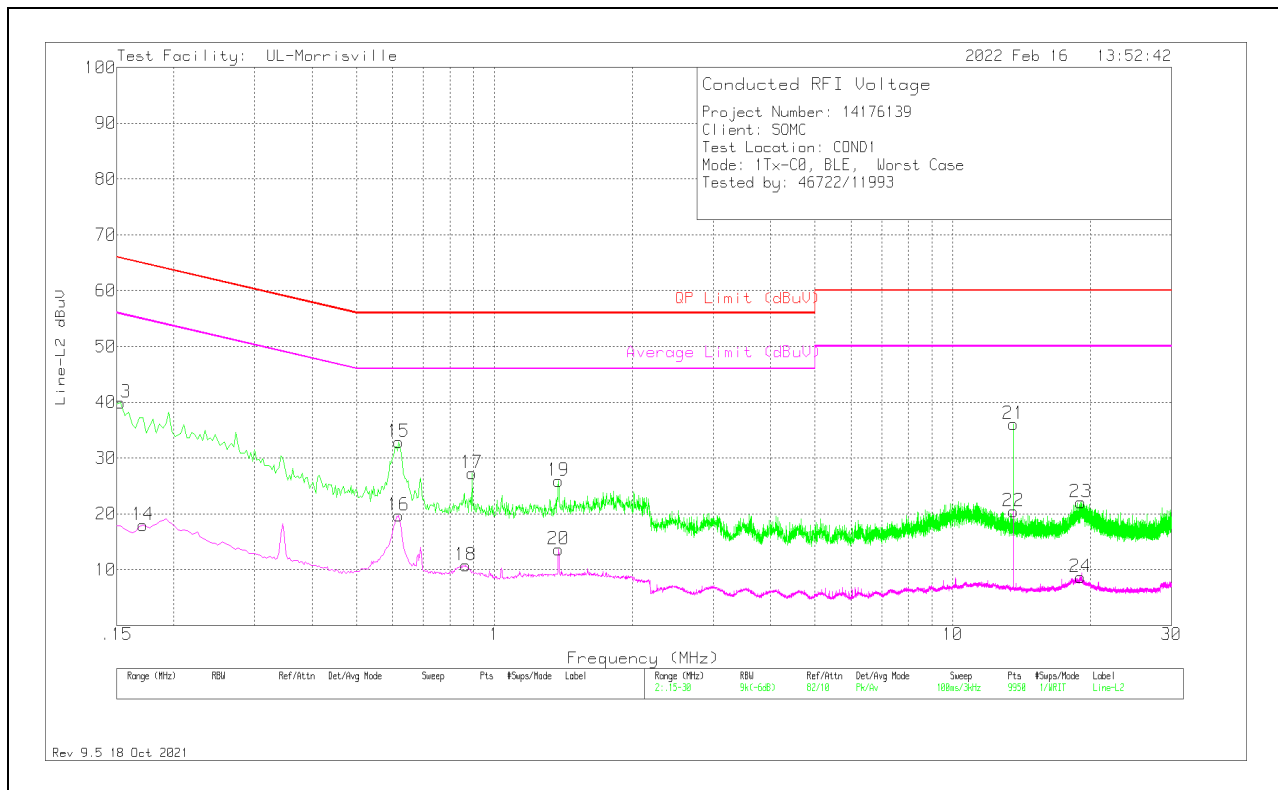
## LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	43.47	Pk	.2	9.8	53.47	65.84	-12.37	-	-
2	.165	18.89	Av	.2	9.8	28.89	-	-	55.21	-26.32
3	.336	29.34	Pk	.1	9.8	39.24	59.3	-20.06	-	-
4	.345	19.7	Av	.1	9.8	29.6	-	-	49.08	-19.48
5	.609	25.25	Pk	0	9.8	35.05	56	-20.95	-	-
6	.624	12.94	Av	0	9.8	22.74	-	-	46	-23.26
8	1.656	5.23	Av	0	9.8	15.03	-	-	46	-30.97
7	1.665	21.72	Pk	0	9.8	31.52	56	-24.48	-	-
9	2.19	20.19	Pk	0	9.8	29.99	56	-26.01	-	-
10	2.19	4.27	Av	0	9.8	14.07	-	-	46	-31.93
11	13.56	26.55	Pk	.1	10.1	36.75	60	-23.25	-	-
12	13.56	14.64	Av	.1	10.1	24.84	-	-	50	-25.16

Pk - Peak detector  
 Av - Average detection

### LINE 2 RESULTS

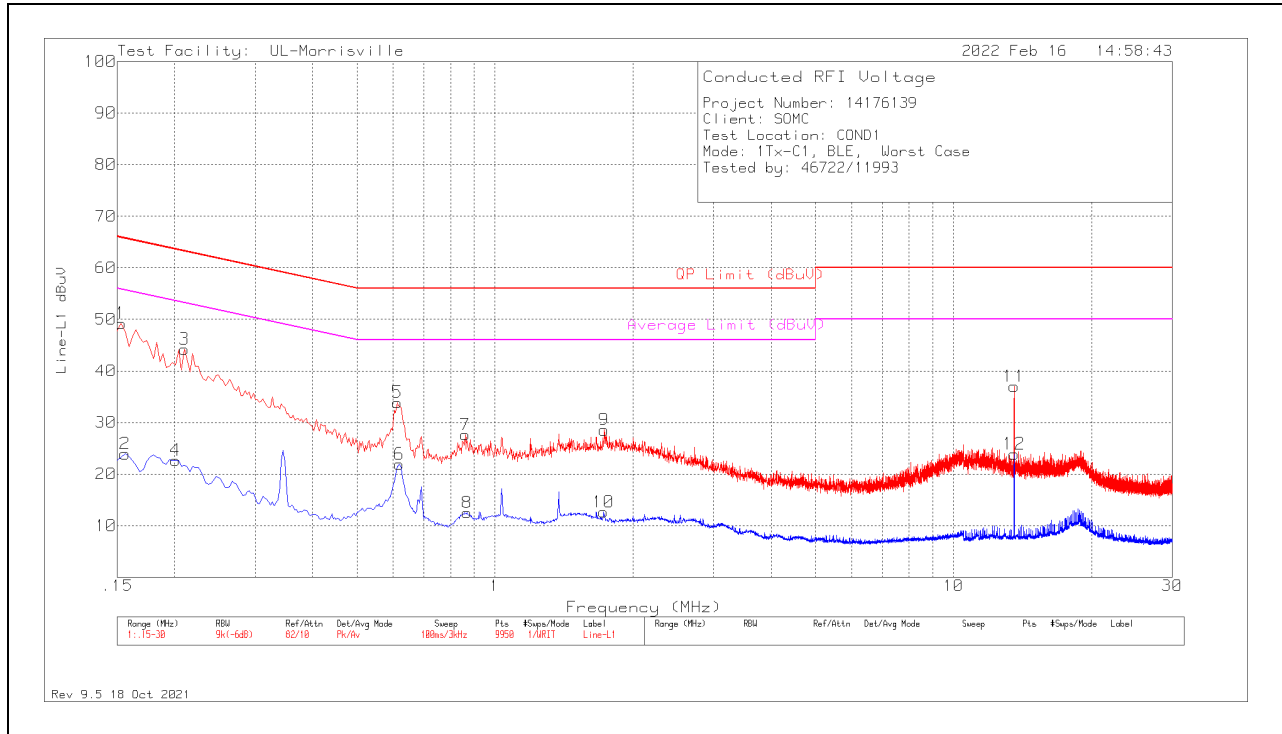


Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	29.91	Pk	.2	9.8	39.91	65.84	-25.93	-	-
14	.171	8	Av	.2	9.8	18	-	-	54.91	-36.91
15	.618	23.05	Pk	0	9.8	32.85	56	-23.15	-	-
16	.618	9.87	Av	0	9.8	19.67	-	-	46	-26.33
18	.867	.97	Av	0	9.8	10.77	-	-	46	-35.23
17	.894	17.45	Pk	0	9.8	27.25	56	-28.75	-	-
19	1.38	16.07	Pk	0	9.8	25.87	56	-30.13	-	-
20	1.38	3.77	Av	0	9.8	13.57	-	-	46	-32.43
21	13.563	25.84	Pk	.1	10.1	36.04	60	-23.96	-	-
22	13.563	10.29	Av	.1	10.1	20.49	-	-	50	-29.51
24	18.993	-1.52	Av	.1	10.1	8.68	-	-	50	-41.32
23	19.032	11.78	Pk	.2	10.1	22.08	60	-37.92	-	-

Pk - Peak detector  
 Av - Average detection

## 11.2. AC Power Line Norm – CHAIN 1

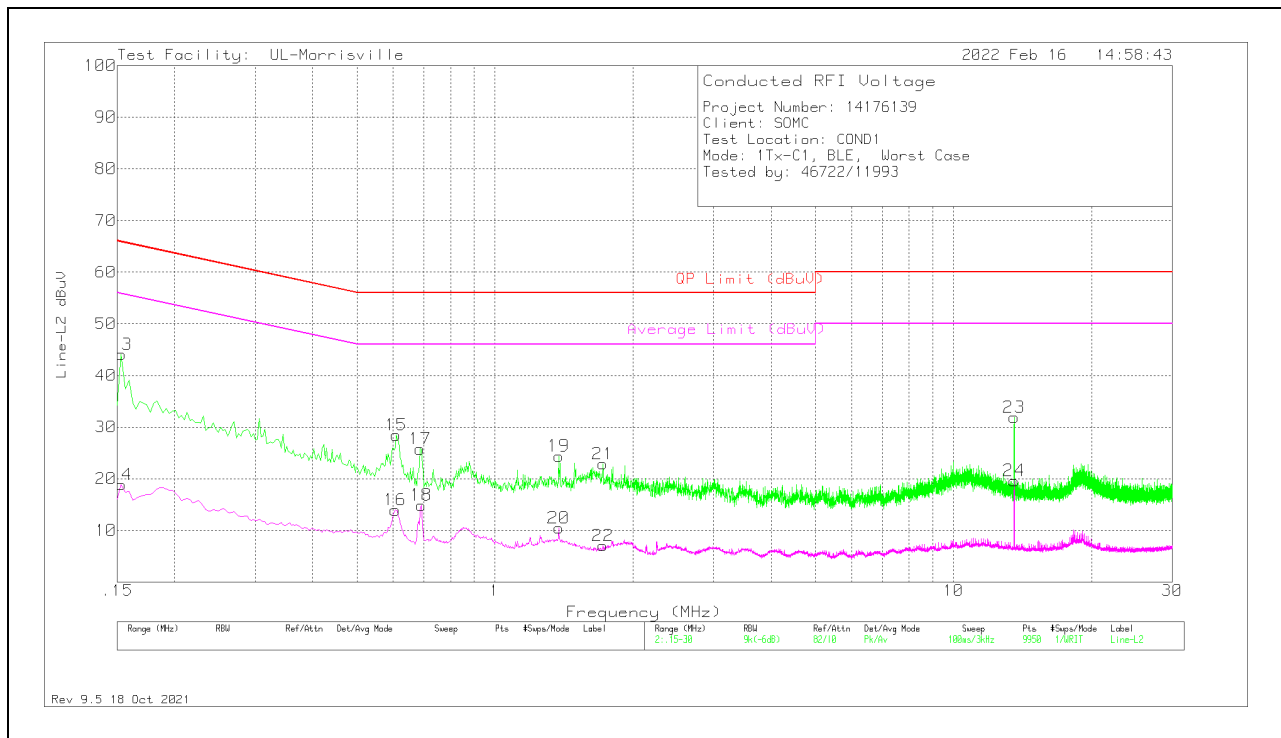
### LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	39.23	Pk	.2	9.8	49.23	65.84	-16.61	-	-
2	.156	13.93	Av	.2	9.8	23.93	-	-	55.67	-31.74
4	.201	12.77	Av	.1	9.8	22.67	-	-	53.57	-30.9
3	.21	34.33	Pk	.1	9.8	44.23	63.21	-18.98	-	-
5	.612	24.07	Pk	0	9.8	33.87	56	-22.13	-	-
6	.618	12.12	Av	0	9.8	21.92	-	-	46	-24.08
7	.861	17.83	Pk	0	9.8	27.63	56	-28.37	-	-
8	.87	2.7	Av	0	9.8	12.5	-	-	46	-33.5
10	1.725	2.83	Av	0	9.8	12.63	-	-	46	-33.37
9	1.731	18.76	Pk	0	9.8	28.56	56	-27.44	-	-
11	13.56	26.8	Pk	.1	10.1	37	60	-23	-	-
12	13.56	13.69	Av	.1	10.1	23.89	-	-	50	-26.11

Pk - Peak detector  
 Av - Average detection

### LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	34.06	Pk	.2	9.8	44.06	65.84	-21.78	-	-
14	.153	8.85	Av	.2	9.8	18.85	-	-	55.84	-36.99
16	.606	4.14	Av	0	9.8	13.94	-	-	46	-32.06
15	.609	18.65	Pk	0	9.8	28.45	56	-27.55	-	-
17	.687	15.96	Pk	0	9.8	25.76	56	-30.24	-	-
18	.69	5.08	Av	0	9.8	14.88	-	-	46	-31.12
19	1.377	14.58	Pk	0	9.8	24.38	56	-31.62	-	-
20	1.377	.66	Av	0	9.8	10.46	-	-	46	-35.54
21	1.719	13.08	Pk	0	9.8	22.88	56	-33.12	-	-
22	1.719	-2.75	Av	0	9.8	7.05	-	-	46	-38.95
23	13.56	21.68	Pk	.1	10.1	31.88	60	-28.12	-	-
24	13.56	9.4	Av	.1	10.1	19.6	-	-	50	-30.4

Pk - Peak detector  
 Av - Average detection



## 12. SETUP PHOTOS

Please refer to R14176139-EP2 for setup photos

**END OF TEST REPORT**