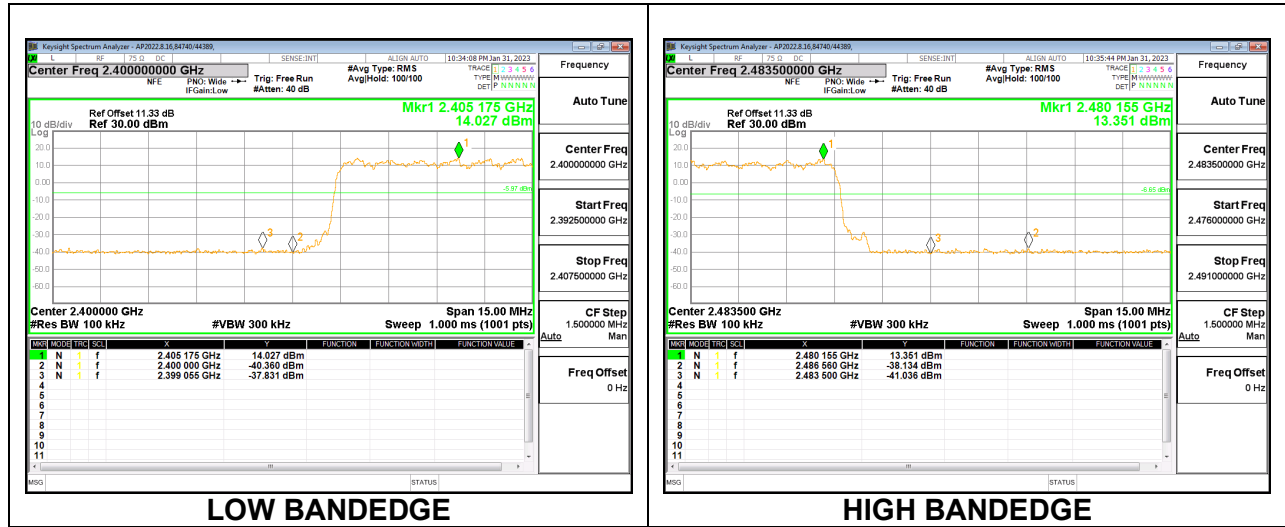
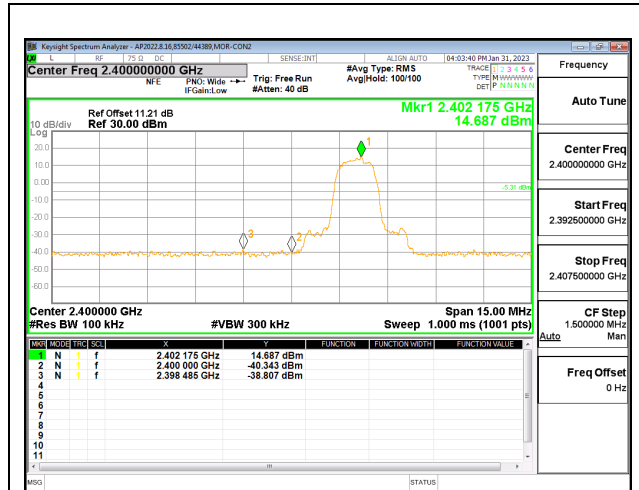


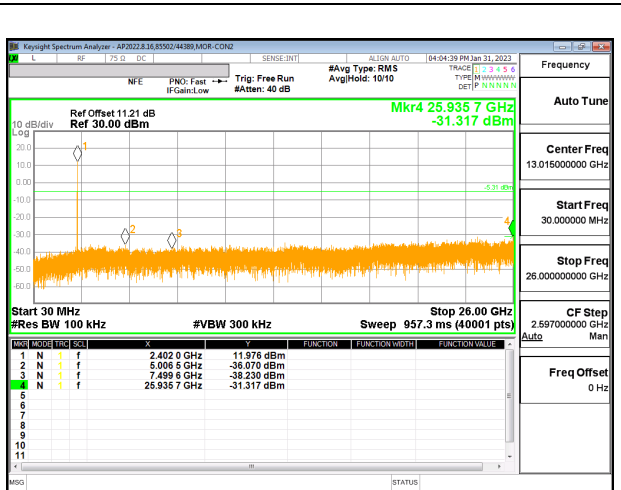
Chain 0 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



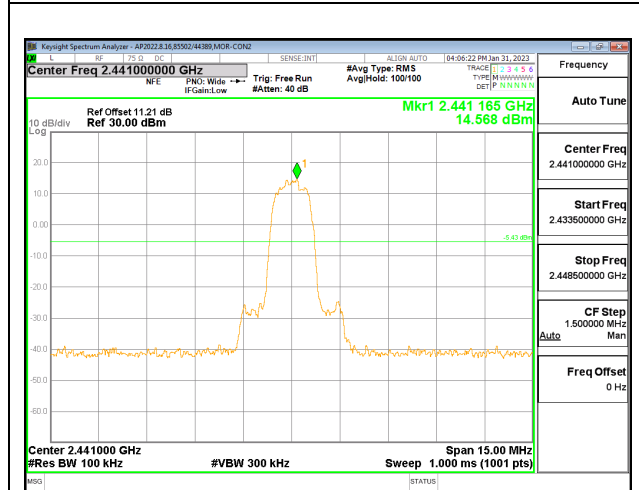
Chain 1 SPURIOUS EMISSIONS, NON-HOPPING



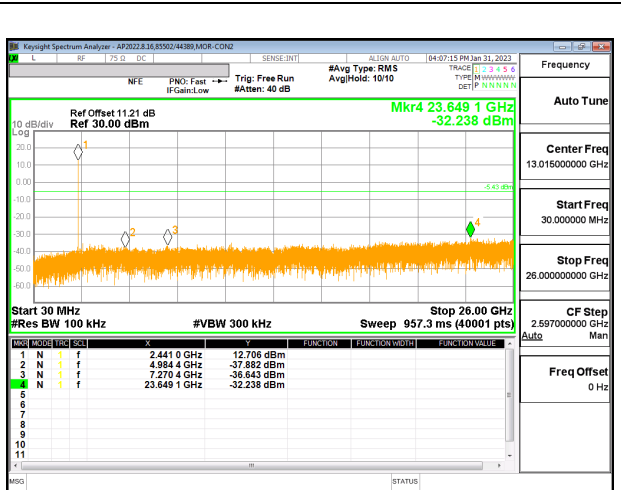
LOW CHANNEL BANDEDGE



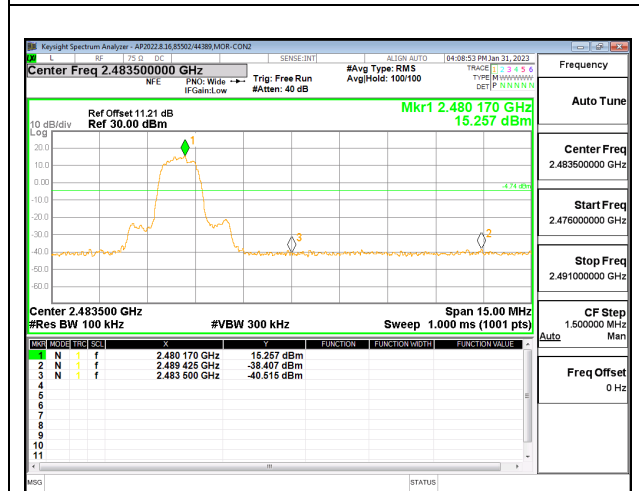
OUT-OF-BAND LOW CHANNEL



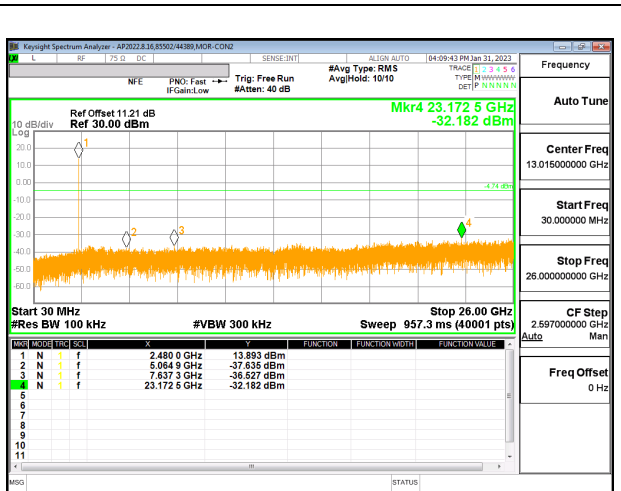
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

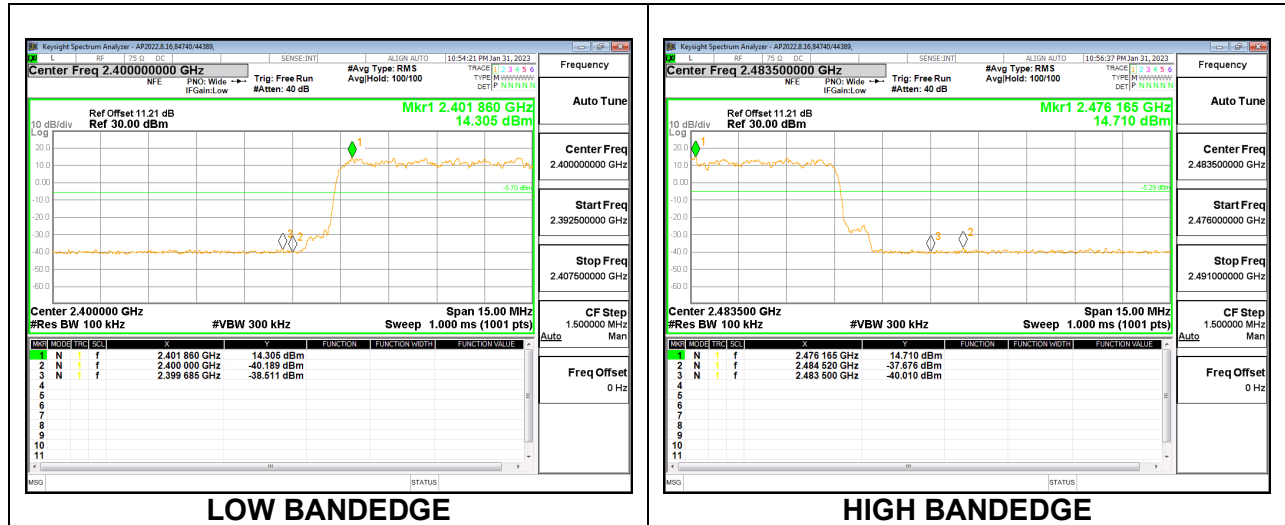


HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

Chain 1 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



10. RADIATED TEST RESULTS

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 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. Reduced VBW averaging was calculated by dividing 1/Ton

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.

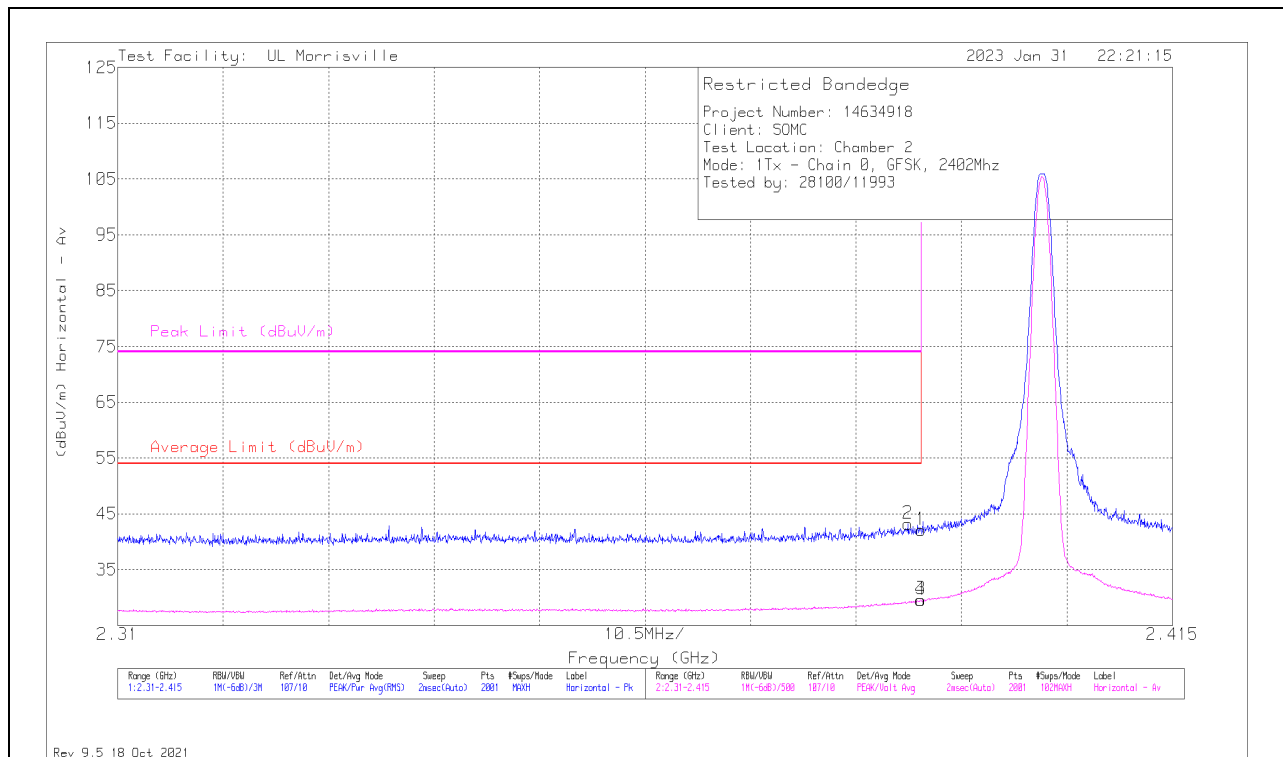
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. BLUETOOTH BASIC DATA RATE GFSK MODULATION

Chain 0

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (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	33.91	Pk	32	-23.8	42.11	-	-	74	-31.89	158	137	H
2	*** 2.3887	35.01	Pk	32	-23.8	43.21	-	-	74	-30.79	158	137	H
3	*** 2.38996	21.42	V1TV	32	-23.8	29.62	54	-24.38	-	-	158	137	H
4	*** 2.38991	21.37	V1TV	32	-23.8	29.57	54	-24.43	-	-	158	137	H

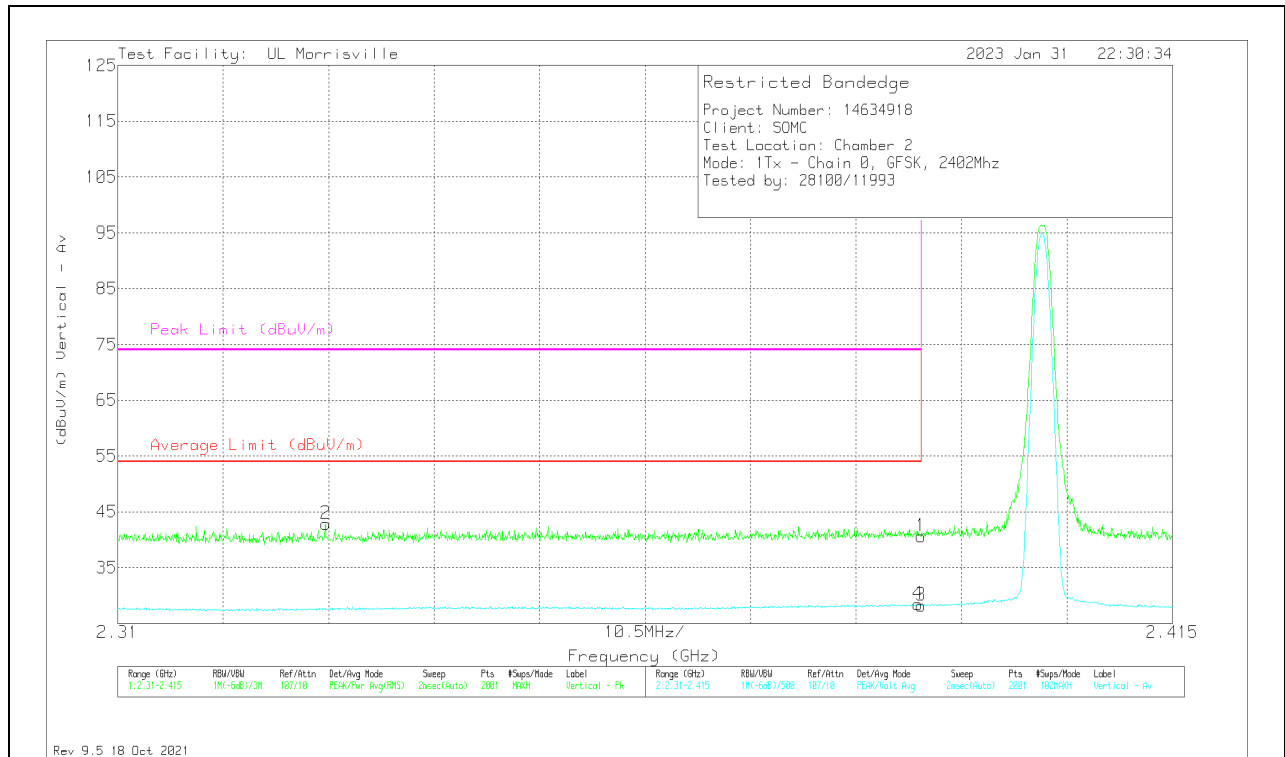
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration.

VERTICAL RESULT



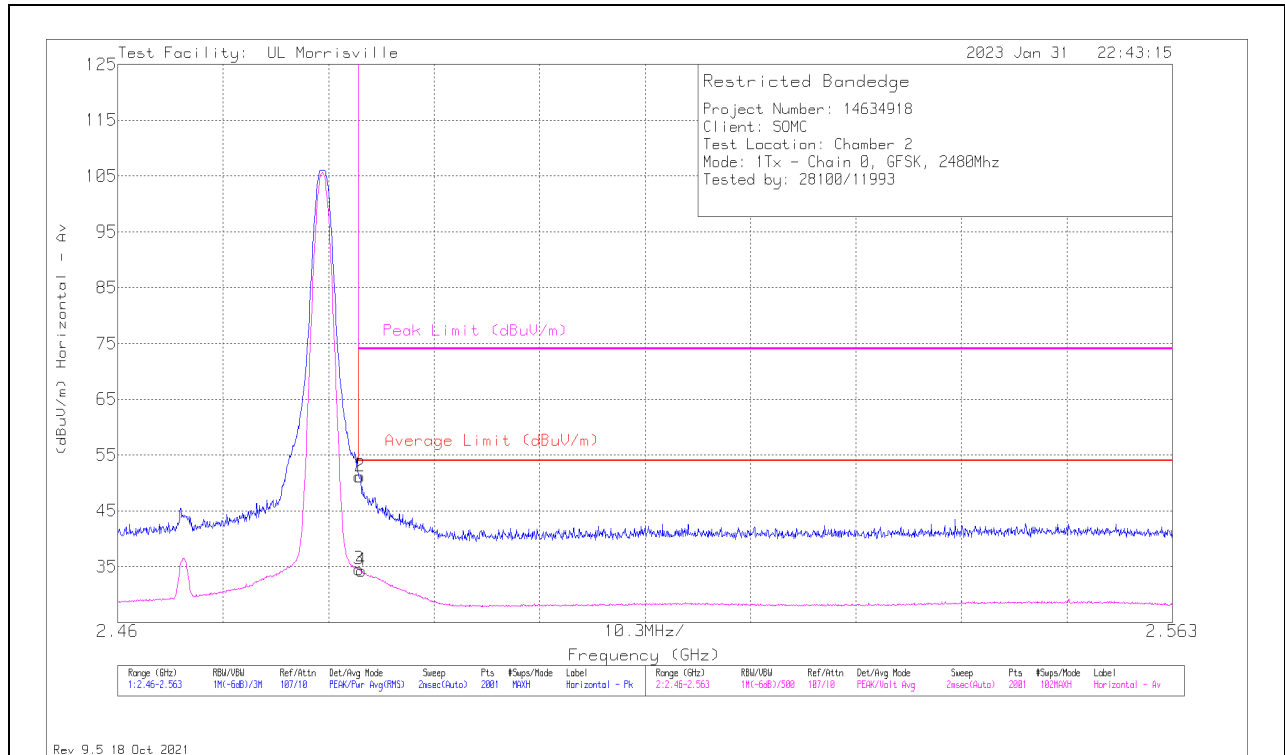
Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (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	32.45	Pk	32	-23.8	40.65	-	-	74	-33.35	186	231	V
2	* ** 2.33069	35.04	Pk	31.8	-24	42.84	-	-	74	-31.16	186	231	V
3	* ** 2.38996	19.94	V1TV	32	-23.8	28.14	54	-25.86	-	-	186	231	V
4	* ** 2.3897	20.22	V1TV	32	-23.8	28.42	54	-25.58	-	-	186	231	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

BANDEDGE (HIGH CHANNEL)

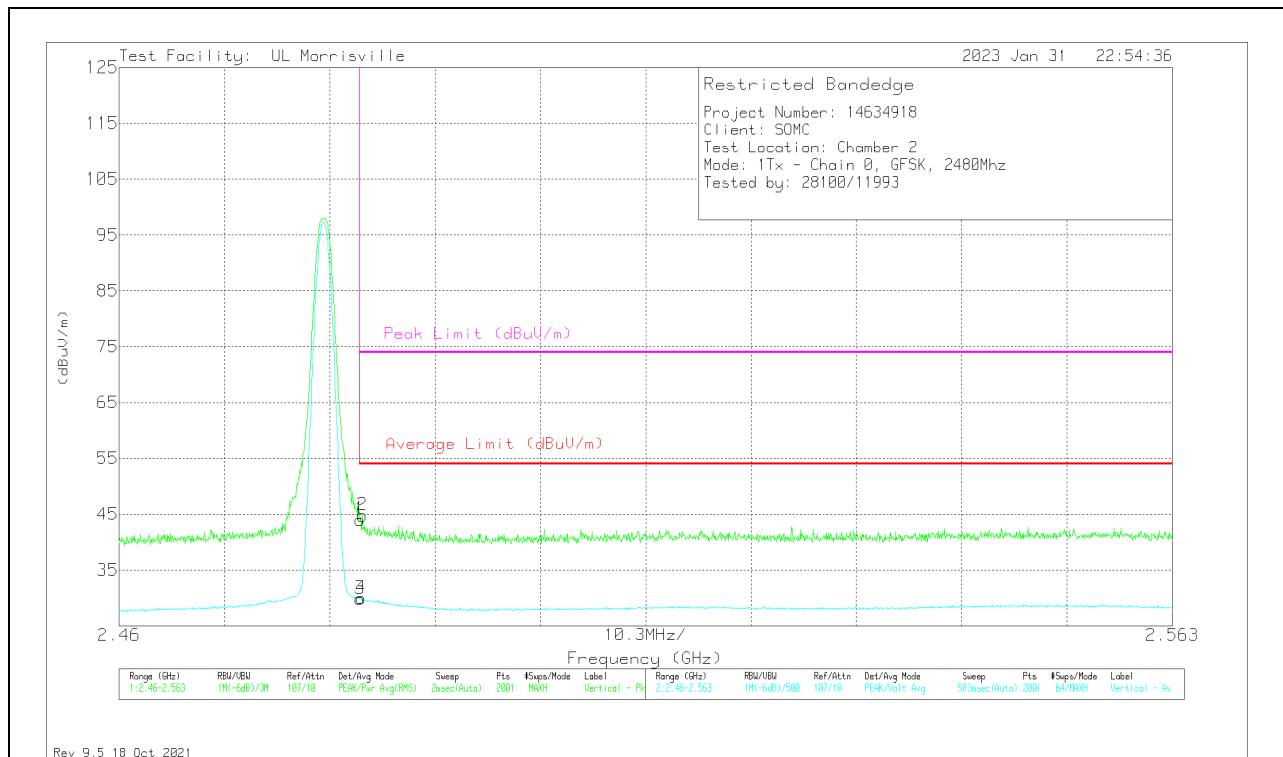
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (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	43.2	Pk	32.3	-24.3	51.2	-	-	74	-22.8	158	138	H
2	* ** 2.48369	43.11	Pk	32.3	-24.3	51.11	-	-	74	-22.89	158	138	H
3	* ** 2.48354	26.54	V1TV	32.3	-24.3	34.54	54	-19.46	-	-	158	138	H
4	* ** 2.48379	26.38	V1TV	32.3	-24.4	34.28	54	-19.72	-	-	158	138	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

VERTICAL RESULT

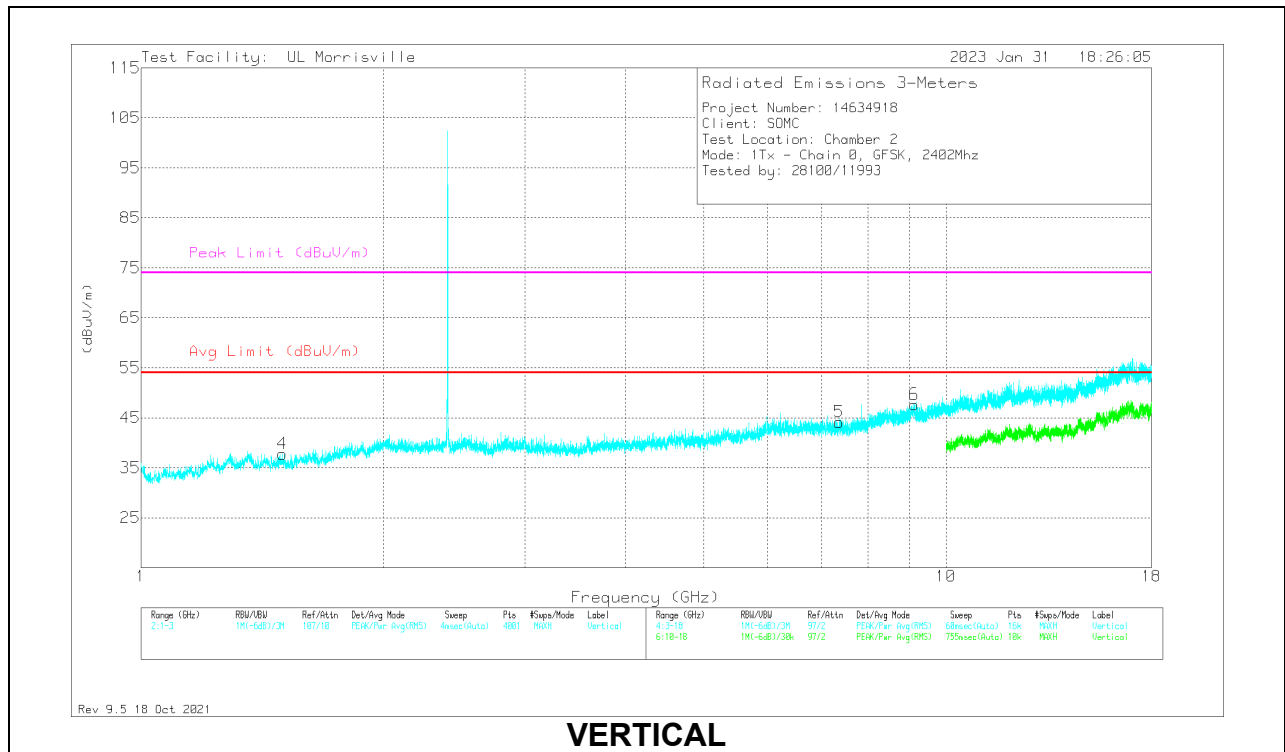
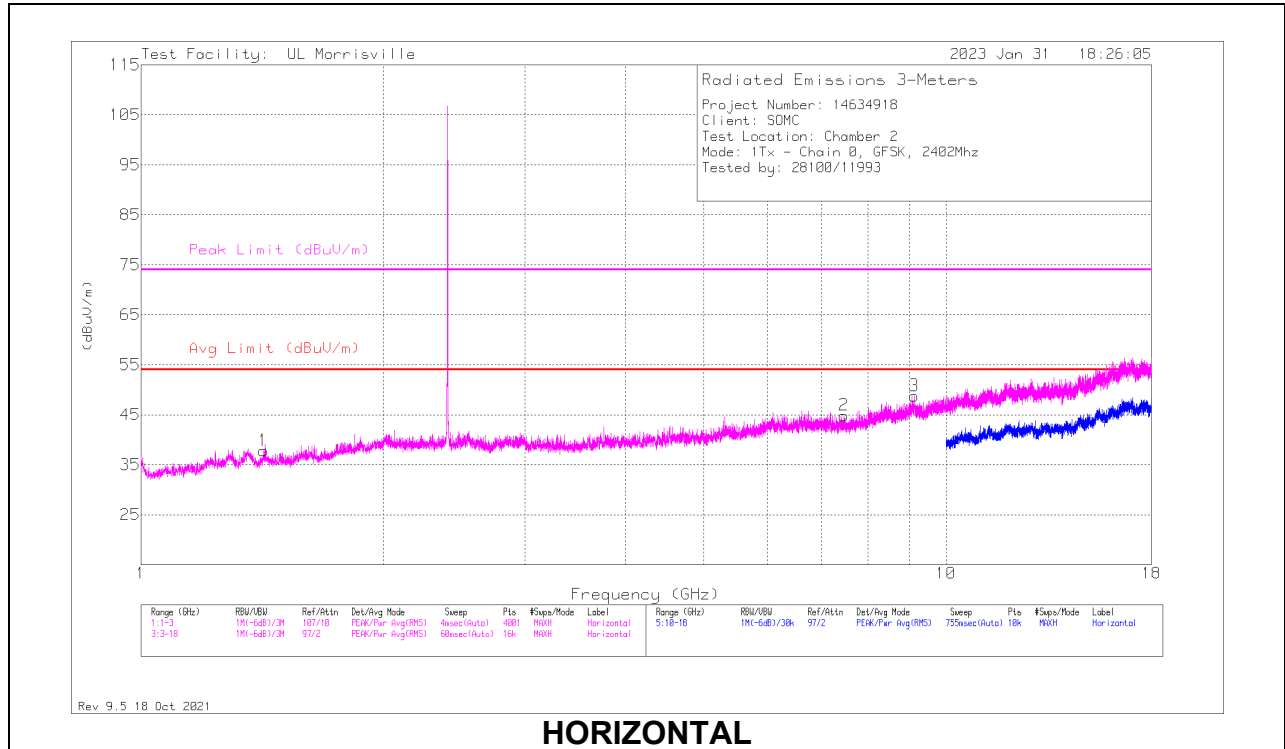


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	36.04	Pk	32.3	-24.3	44.04	-	-	74	-29.96	263	118	V
2	* ** 2.48379	36.89	Pk	32.3	-24.4	44.79	-	-	74	-29.21	263	118	V
3	* ** 2.48354	21.89	V1TV	32.3	-24.3	29.89	54	-24.11	-	-	263	118	V
4	* ** 2.48369	21.95	V1TV	32.3	-24.3	29.95	54	-24.05	-	-	263	118	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.419	32.4	Pk	28.2	-22.8	37.8	54	-16.2	74	-36.2	0-360	101	H
4	* ** 1.4985	32.56	Pk	27.9	-22.7	37.76	54	-16.24	74	-36.24	0-360	200	V
2	* ** 7.47094	36.66	Pk	35.7	-27.5	44.86	54	-9.14	74	-29.14	0-360	200	H
3	* ** 9.13716	38.32	PK2	36.2	-25	49.52	-	-	74	-24.48	106	374	H
	* ** 9.13726	24.08	V1TV	36.2	-25	35.28	54	-18.72	-	-	106	374	H
5	* ** 7.36594	35.52	Pk	35.6	-27	44.12	54	-9.88	74	-29.88	0-360	200	V
6	* ** 9.12844	36.52	Pk	36.2	-25.1	47.62	54	-6.38	74	-26.38	0-360	200	V

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

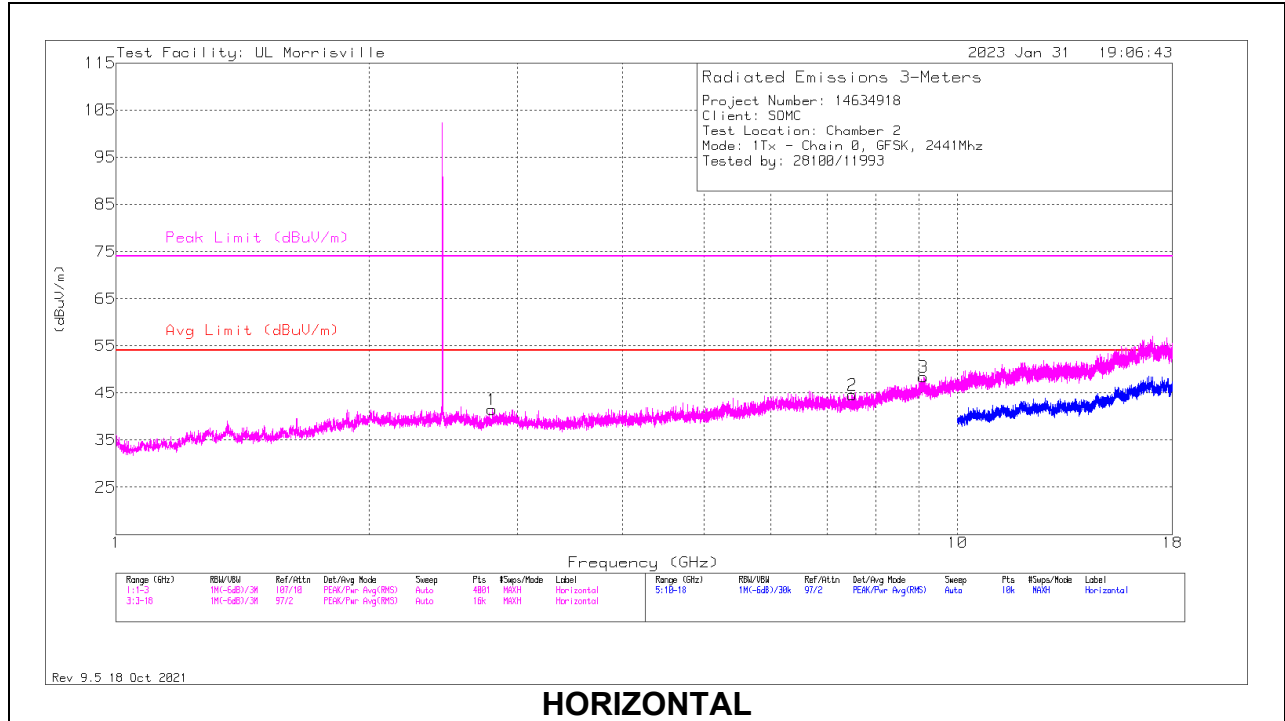
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

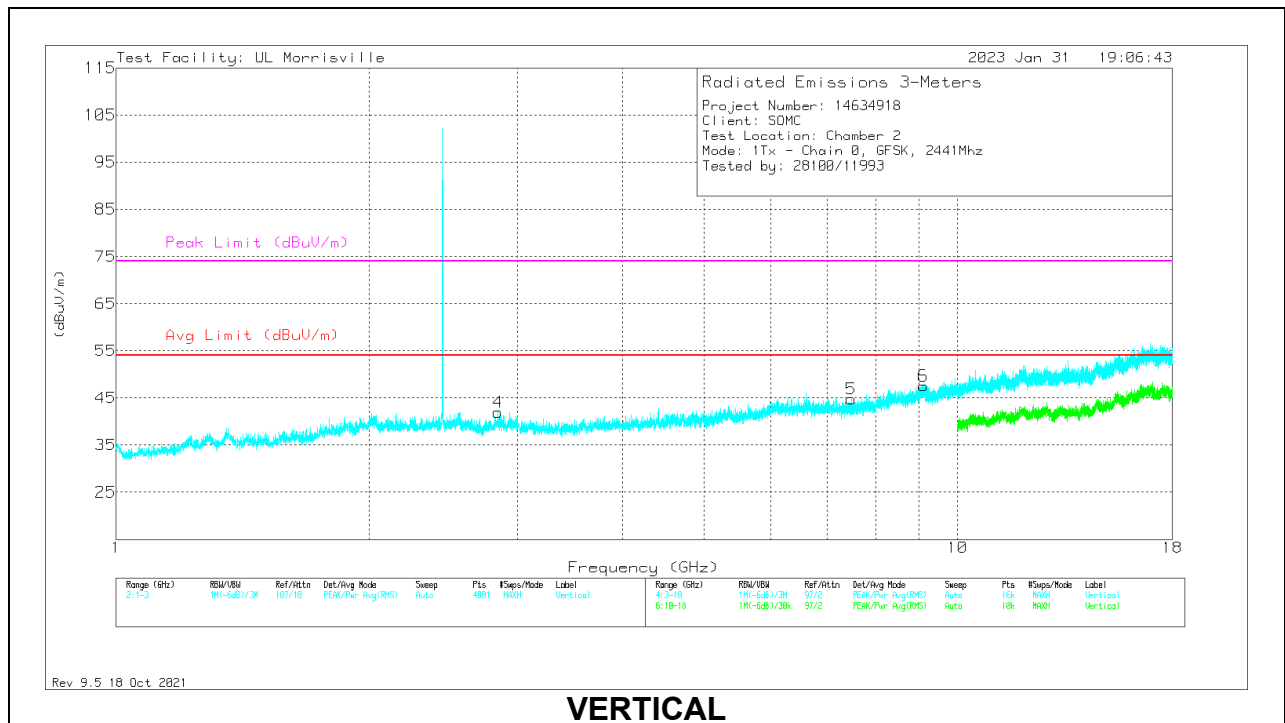
PK2 - Maximum Peak

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration. VBW is set to 0.345 kHz

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.797	35.12	Pk	32.3	-25.9	41.52	54	-12.48	74	-32.48	0-360	200	H
4	* ** 2.8415	35.5	Pk	32.3	-25.8	42	54	-12	74	-32	0-360	101	V
2	* ** 7.49813	36.37	Pk	35.7	-27.5	44.57	54	-9.43	74	-29.43	0-360	200	H
3	* ** 9.10427	38.55	PK2	36.2	-25.5	49.25	-	-	74	-24.75	63	103	H
	* ** 9.10373	24.07	V1TV	36.2	-25.5	34.77	54	-19.23	-	-	63	103	H
5	* ** 7.47656	36.45	Pk	35.7	-27.4	44.75	54	-9.25	74	-29.25	0-360	200	V
6	* ** 9.09938	36.73	Pk	36.2	-25.4	47.53	54	-6.47	74	-26.47	0-360	101	V

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

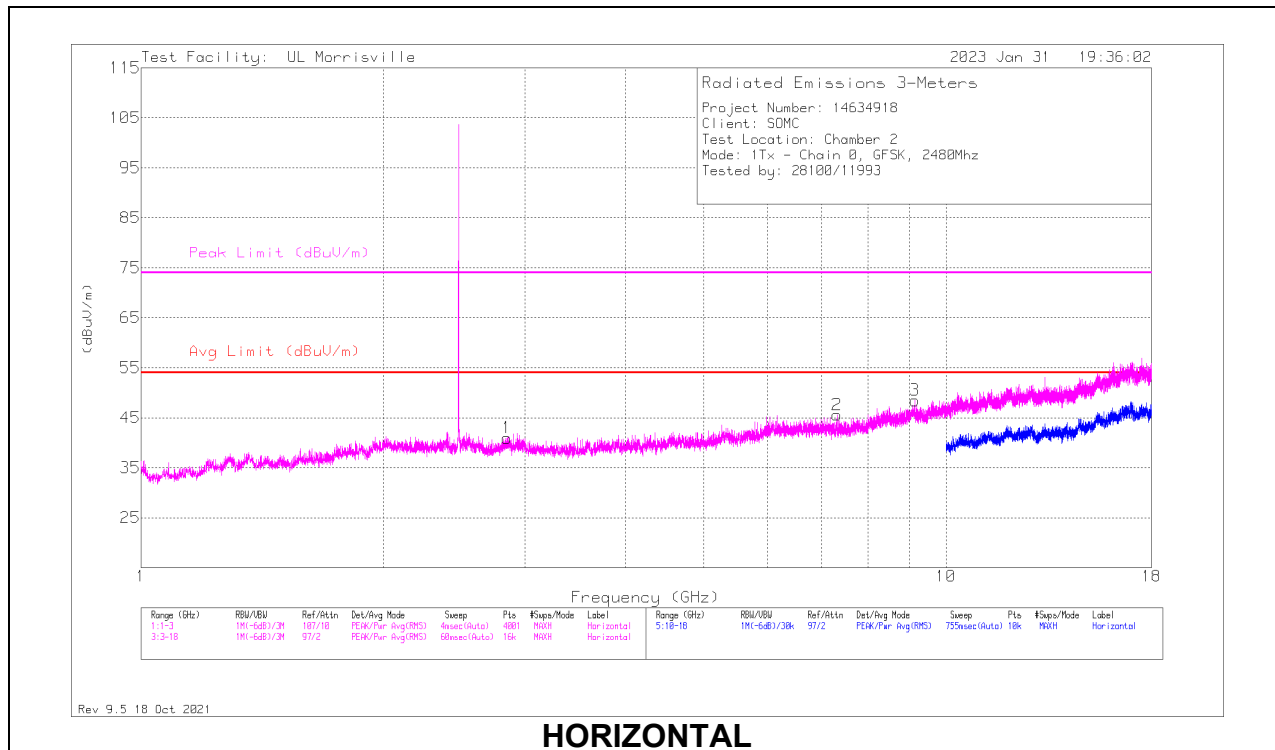
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

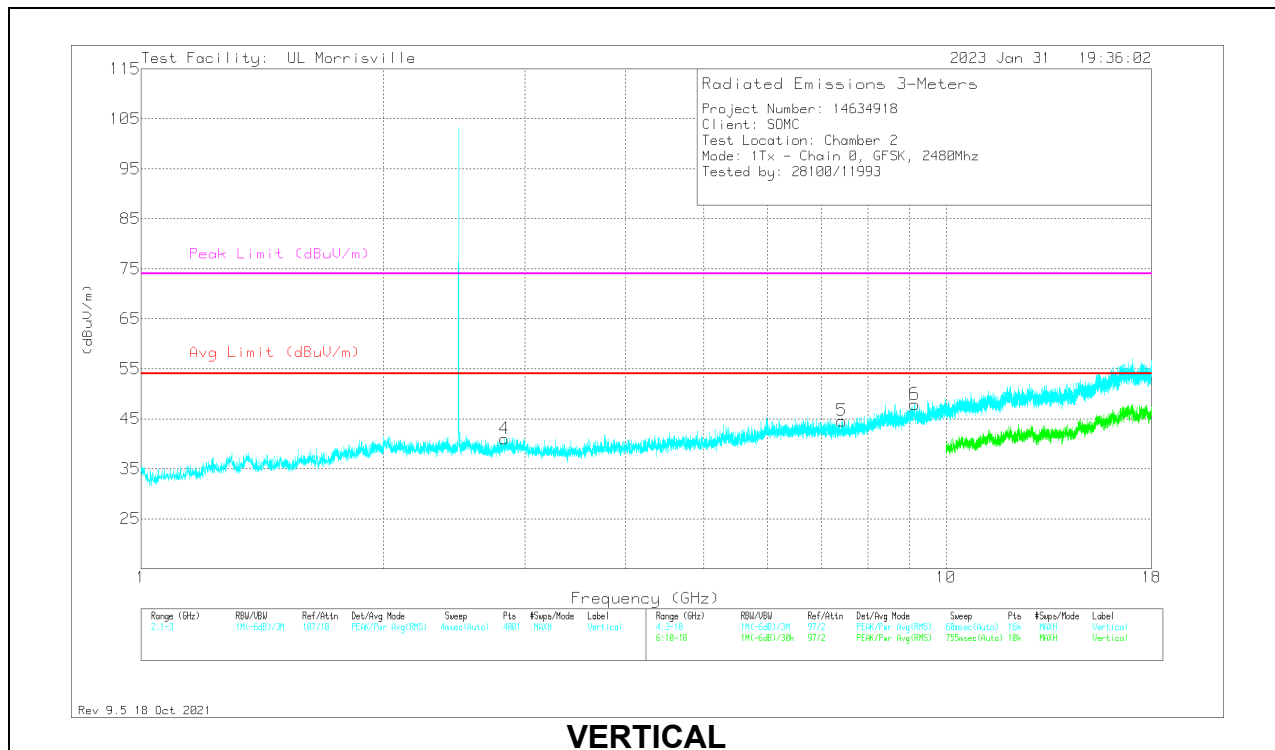
PK2 - Maximum Peak

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration. VBW is set to 0.345 kHz

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.849	34.42	Pk	32.3	-25.8	40.92	54	-13.08	74	-33.08	0-360	199	H
4	*** 2.8285	34.39	Pk	32.3	-25.7	40.99	54	-13.01	74	-33.01	0-360	101	V
2	*** 7.32094	36.74	Pk	35.6	-26.8	45.54	54	-8.46	74	-28.46	0-360	200	H
3	*** 9.14682	37.86	PK2	36.3	-25.5	48.66	-	-	74	-25.34	325	385	H
	*** 9.14886	24.02	V1TV	36.3	-25.6	34.72	54	-19.28	-	-	325	385	H
5	*** 7.42313	36.3	Pk	35.6	-27.3	44.6	54	-9.4	74	-29.4	0-360	101	V
6	*** 9.14156	36.79	Pk	36.2	-25.1	47.89	54	-6.11	74	-26.11	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

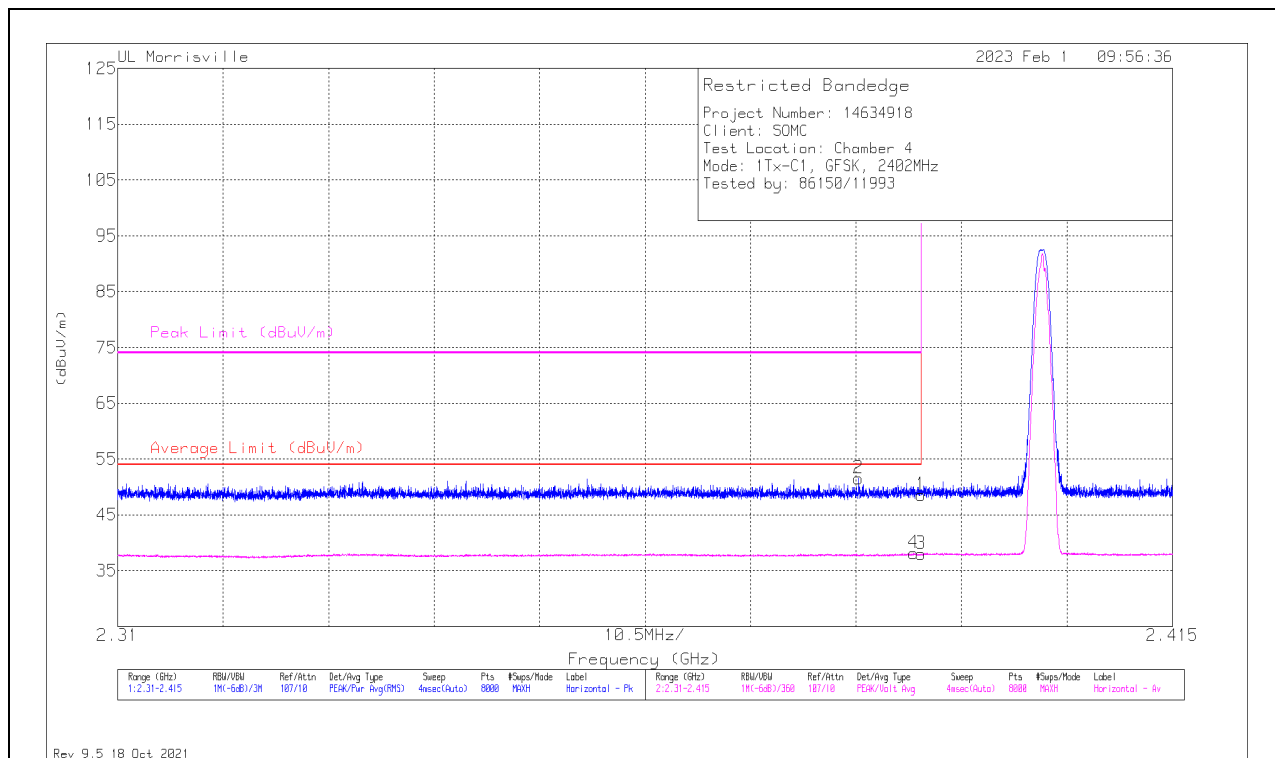
PK2 - Maximum Peak

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration. VBW is set to 0.345 kHz.

Chain 1

BANDEDGE (LOW CHANNEL)

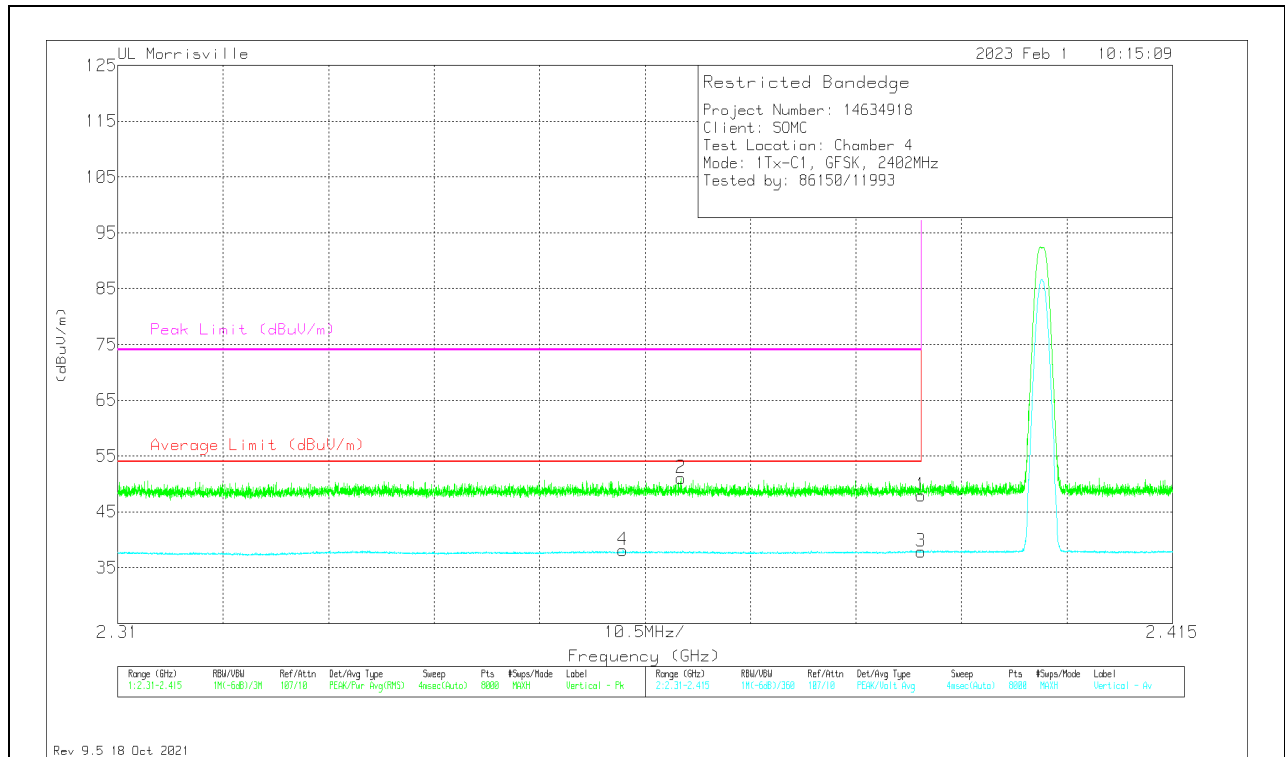
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (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	42.65	Pk	32.2	-26.3	48.55	-	-	74	-25.45	138	228	H
2	*** 2.38376	45.68	Pk	32.2	-26.4	51.48	-	-	74	-22.52	138	228	H
3	*** 2.39	32.13	V1TV	32.2	-26.3	38.03	54	-15.97	-	-	138	228	H
4	*** 2.38923	32.17	V1TV	32.2	-26.3	38.07	54	-15.93	-	-	138	228	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

VERTICAL RESULT

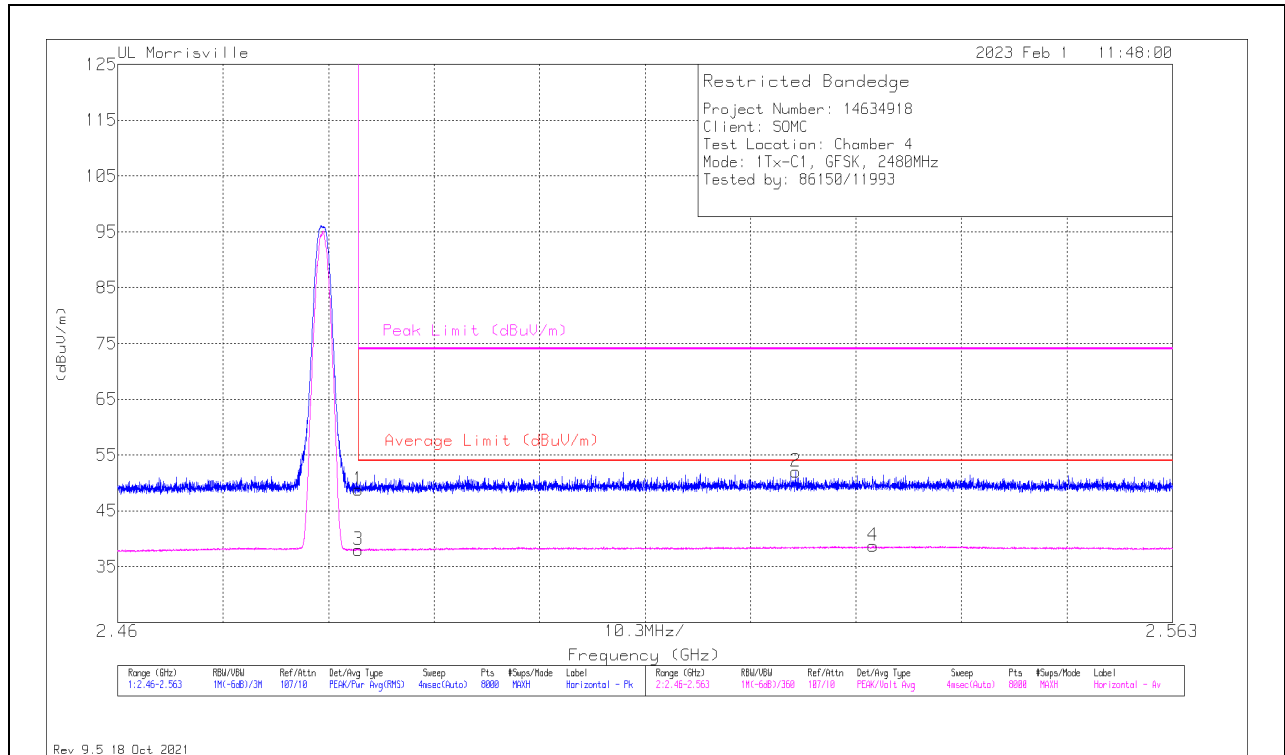


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	42.06	Pk	32.2	-26.3	47.96	-	-	74	-26.04	236	395	V
2	* ** 2.36608	45.12	Pk	32.2	-26.3	51.02	-	-	74	-22.98	236	395	V
3	* ** 2.39	31.98	V1TV	32.2	-26.3	37.88	54	-16.12	-	-	236	395	V
4	* ** 2.3603	32.17	V1TV	32.2	-26.3	38.07	54	-15.93	-	-	236	395	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

BANDEDGE (HIGH CHANNEL)

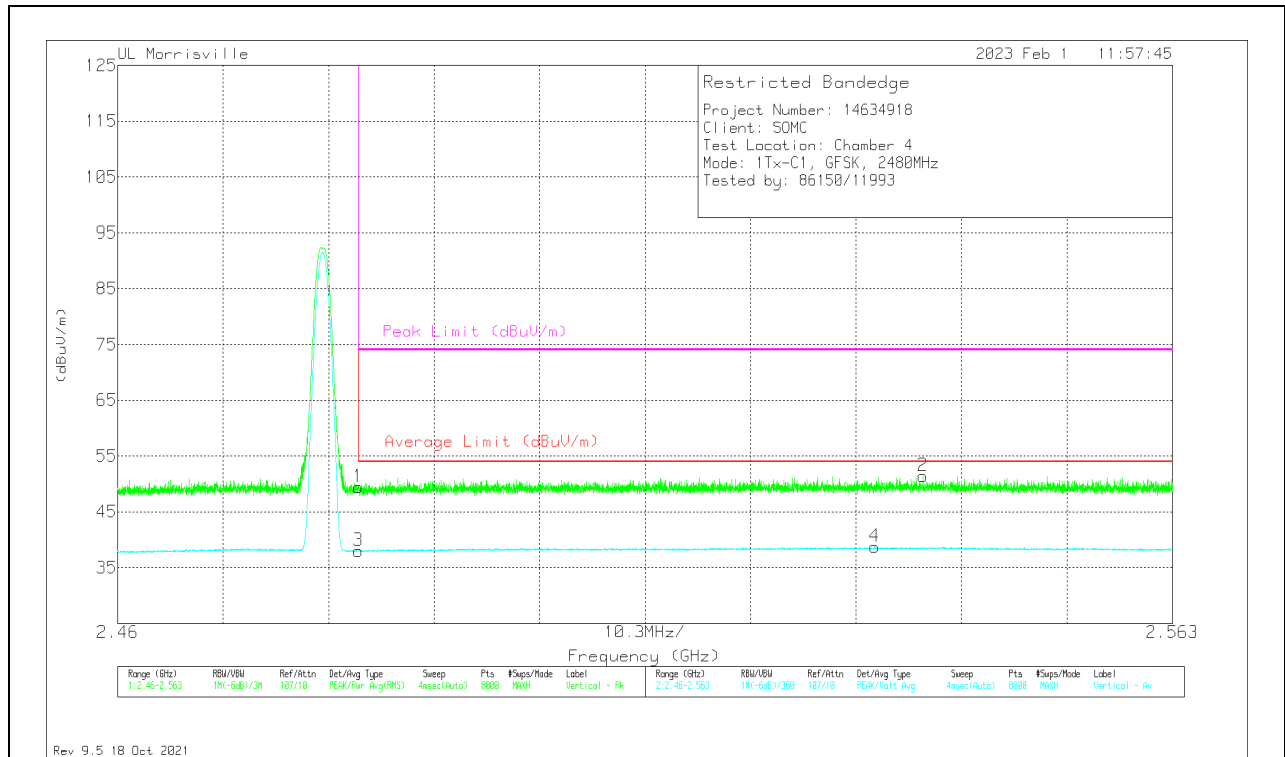
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	42.85	Pk	32.6	-26.6	48.85	-	-	74	-25.15	356	184	H
2	** 2.5262	45.67	Pk	32.7	-26.3	52.07	-	-	74	-21.93	356	184	H
3	* ** 2.4835	32.01	V1TV	32.6	-26.6	38.01	54	-15.99	-	-	356	184	H
4	** 2.53377	32.33	V1TV	32.7	-26.3	38.73	54	-15.27	-	-	356	184	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

VERTICAL RESULT

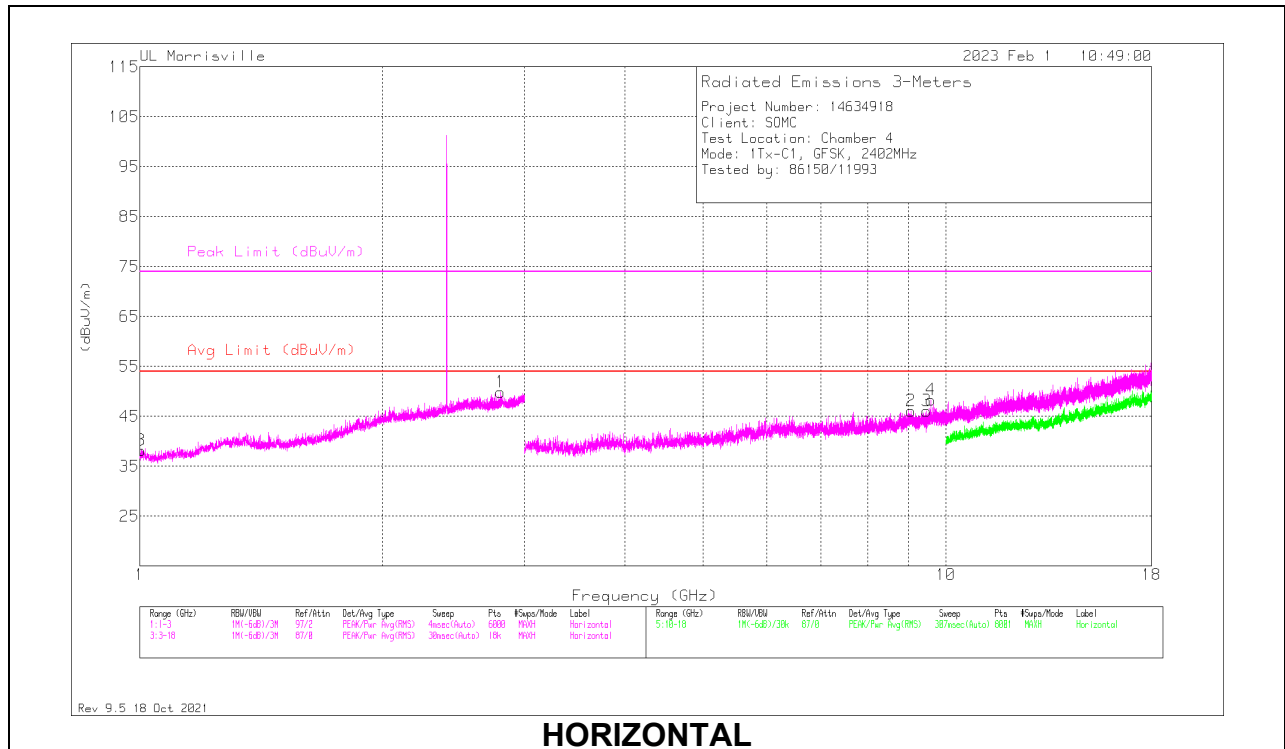


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	43.44	Pk	32.6	-26.6	49.44	-	-	74	-24.56	242	113	V
2	** 2.53864	44.93	Pk	32.8	-26.3	51.43	-	-	74	-22.57	242	113	V
3	*** 2.4835	32.02	V1TV	32.6	-26.6	38.02	54	-15.98	-	-	242	113	V
4	** 2.5339	32.36	V1TV	32.7	-26.3	38.76	54	-15.24	-	-	242	113	V

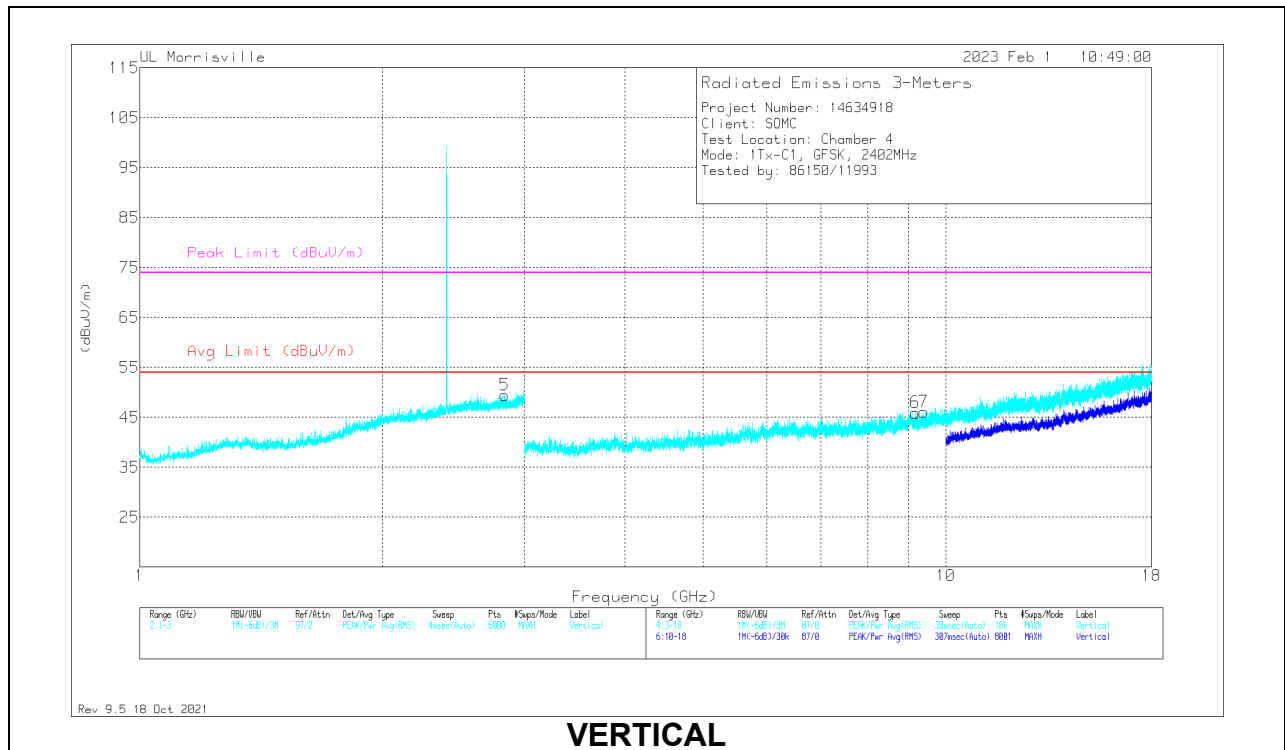
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.80103	28.9	PK2	32.6	-13	48.5	-	-	74	-25.5	343	316	H
	** 2.80065	16.22	V1TV	32.6	-13	35.82	54	-18.18	-	-	343	316	H
8	*** 1.00267	26.41	Pk	27.8	-16	38.21	54	-15.79	74	-35.79	0-360	100	H
5	*** 2.83296	28.94	PK2	32.6	-12.8	48.74	-	-	74	-25.26	148	286	V
	** 2.8332	16.11	V1TV	32.6	-12.8	35.91	54	-18.09	-	-	148	286	V
2	*** 9.05451	35.06	Pk	36.1	-25.1	46.06	54	-7.94	74	-27.94	0-360	200	H
3	*** 9.46536	35.73	Pk	36.5	-26.1	46.13	54	-7.87	74	-27.87	0-360	200	H
6	*** 9.16118	35.8	Pk	36.2	-26.1	45.9	54	-8.1	74	-28.1	0-360	200	V
7	*** 9.38452	34.96	Pk	36.5	-25.4	46.06	54	-7.94	74	-27.94	0-360	200	V
4	9.5887	37.12	Pk	36.7	-25.5	48.32	-	-	-	-	0-360	200	H

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

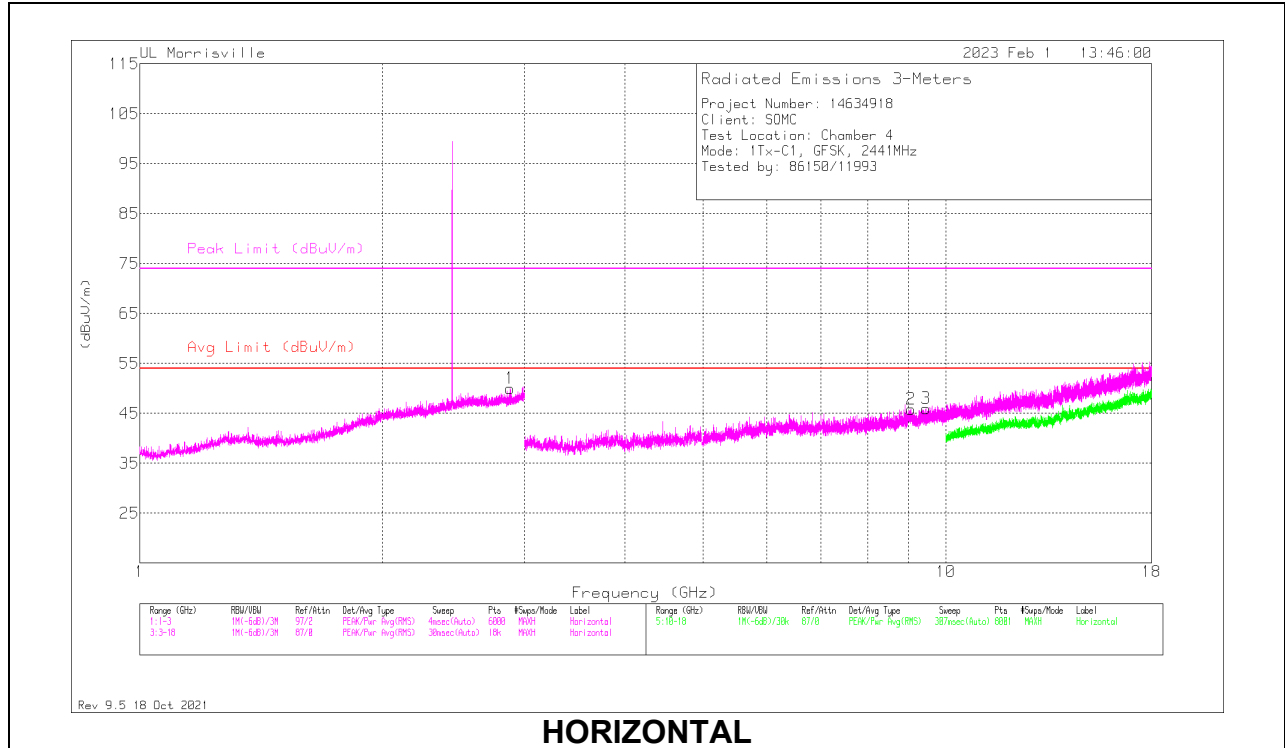
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

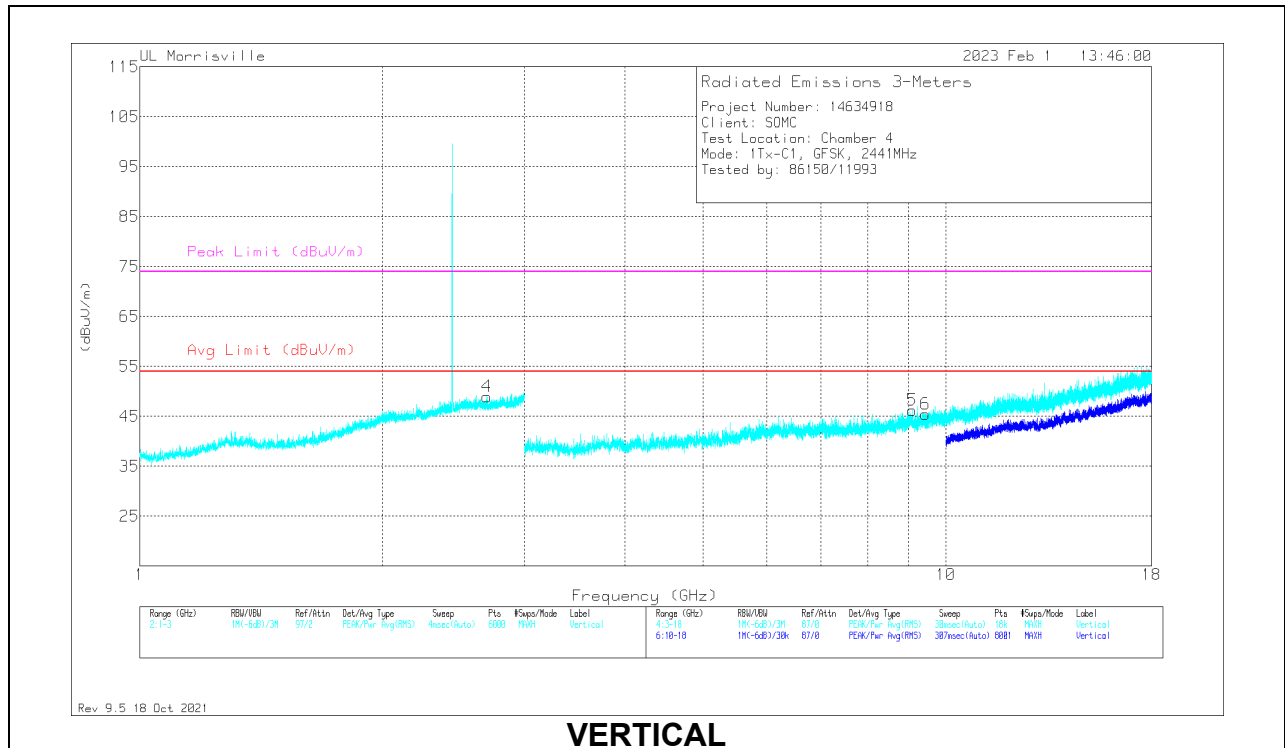
PK2 - Maximum Peak

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration. VBW is set to 0.347 kHz.

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.87731	28.26	PK2	32.7	-12.6	48.36	-	-	74	-25.64	251	390	H
	*** 2.87898	16.09	V1TV	32.7	-12.6	36.19	54	-17.81	-	-	251	390	H
4	*** 2.69528	29.04	PK2	32.2	-13.1	48.14	-	-	74	-25.86	185	336	V
	*** 2.69757	16.24	V1TV	32.2	-13.1	35.34	54	-18.66	-	-	185	336	V
2	*** 9.04951	34.8	PK	36.1	-25.1	45.8	54	-8.2	74	-28.2	0-360	100	H
3	*** 9.44453	35.41	PK	36.5	-26	45.91	54	-8.09	74	-28.09	0-360	100	H
5	*** 9.09117	35.51	PK	36.2	-25.5	46.21	54	-7.79	74	-27.79	0-360	200	V
6	*** 9.43619	34.88	PK	36.5	-25.9	45.48	54	-8.52	74	-28.52	0-360	200	V

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

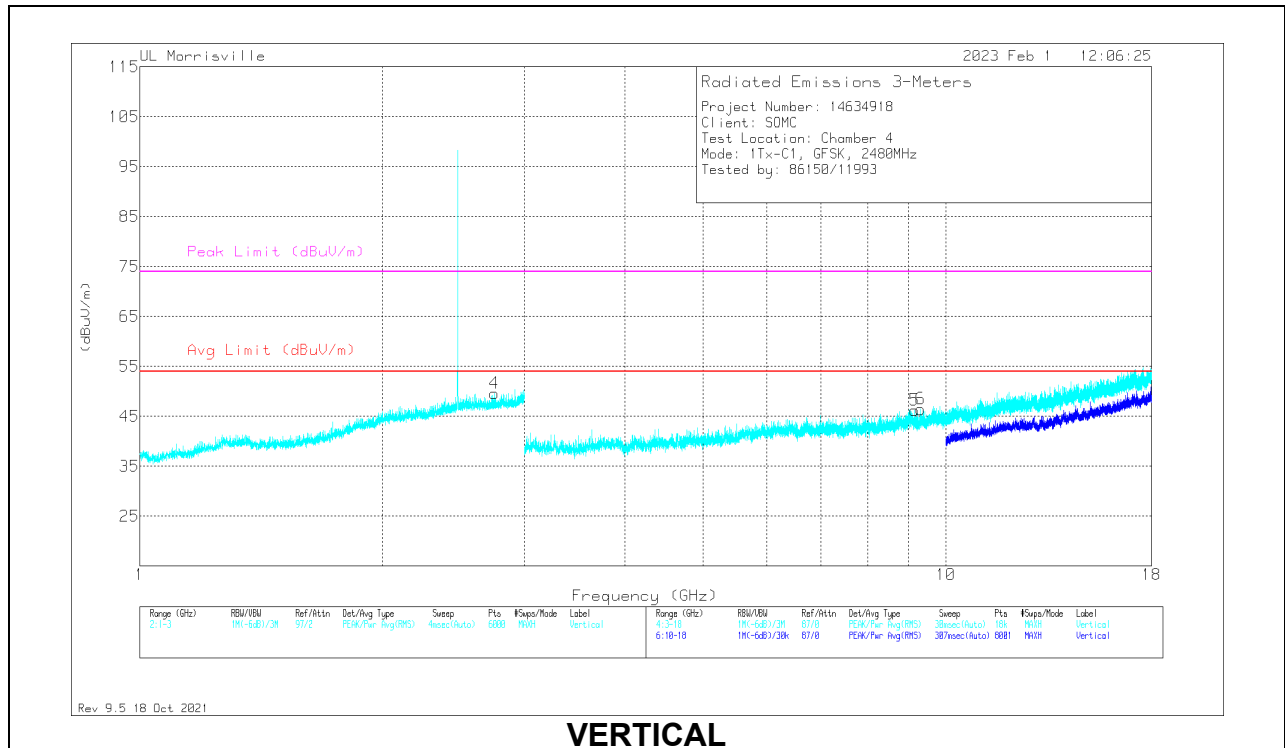
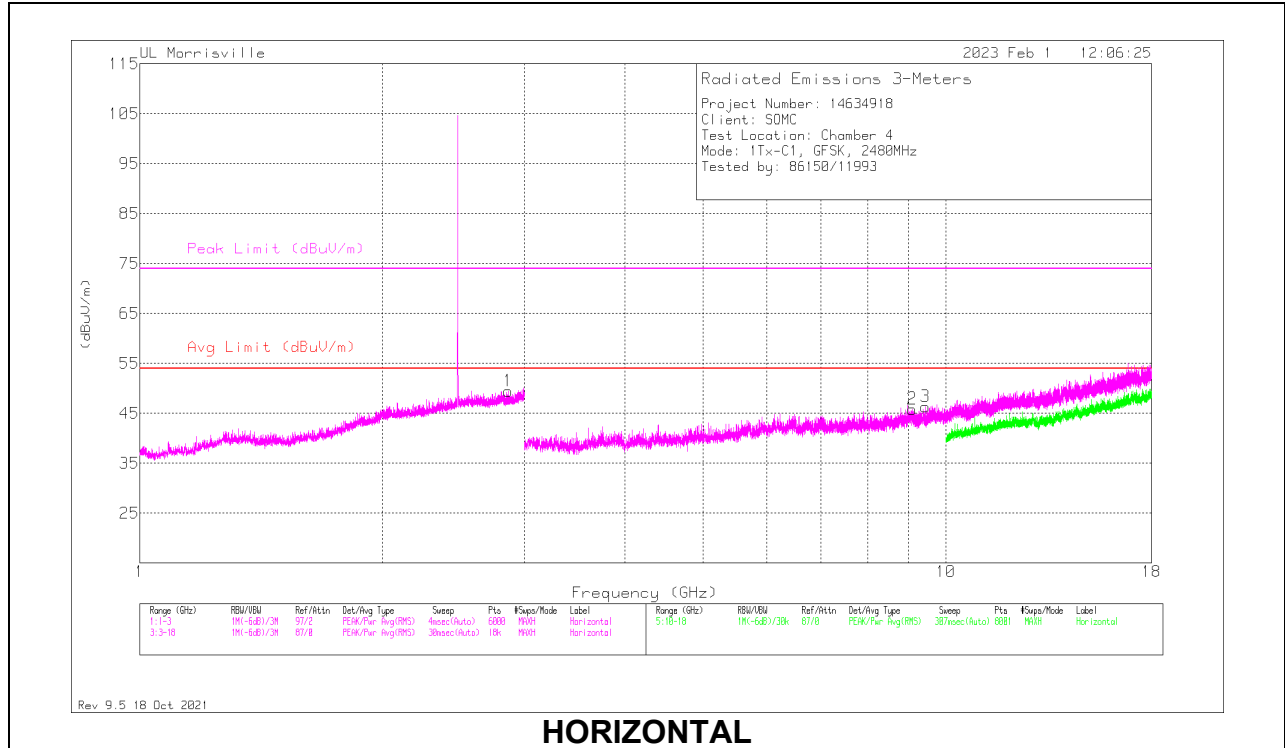
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak detector

PK2 - Maximum Peak

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration. VBW is set to 0.347 kHz.

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.86243	29.37	PK2	32.6	-12.9	49.07	-	-	74	-24.93	287	331	H
	*** 2.8639	16.17	V1TV	32.7	-12.9	35.97	54	-18.03	-	-	287	331	H
4	*** 2.75467	29.23	PK2	32.4	-13	48.63	-	-	74	-25.37	282	196	V
	*** 2.75465	16.08	V1TV	32.4	-13	35.48	54	-18.52	-	-	282	196	V
2	*** 9.07951	35.09	Pk	36.1	-25.3	45.89	54	-8.11	74	-28.11	0-360	100	H
3	*** 9.42953	35.7	Pk	36.5	-25.9	46.3	54	-7.7	74	-27.7	0-360	100	H
5	*** 9.15284	35.8	Pk	36.2	-25.8	46.2	54	-7.8	74	-27.8	0-360	200	V
6	*** 9.31119	35.32	Pk	36.4	-25.3	46.42	54	-7.58	74	-27.58	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

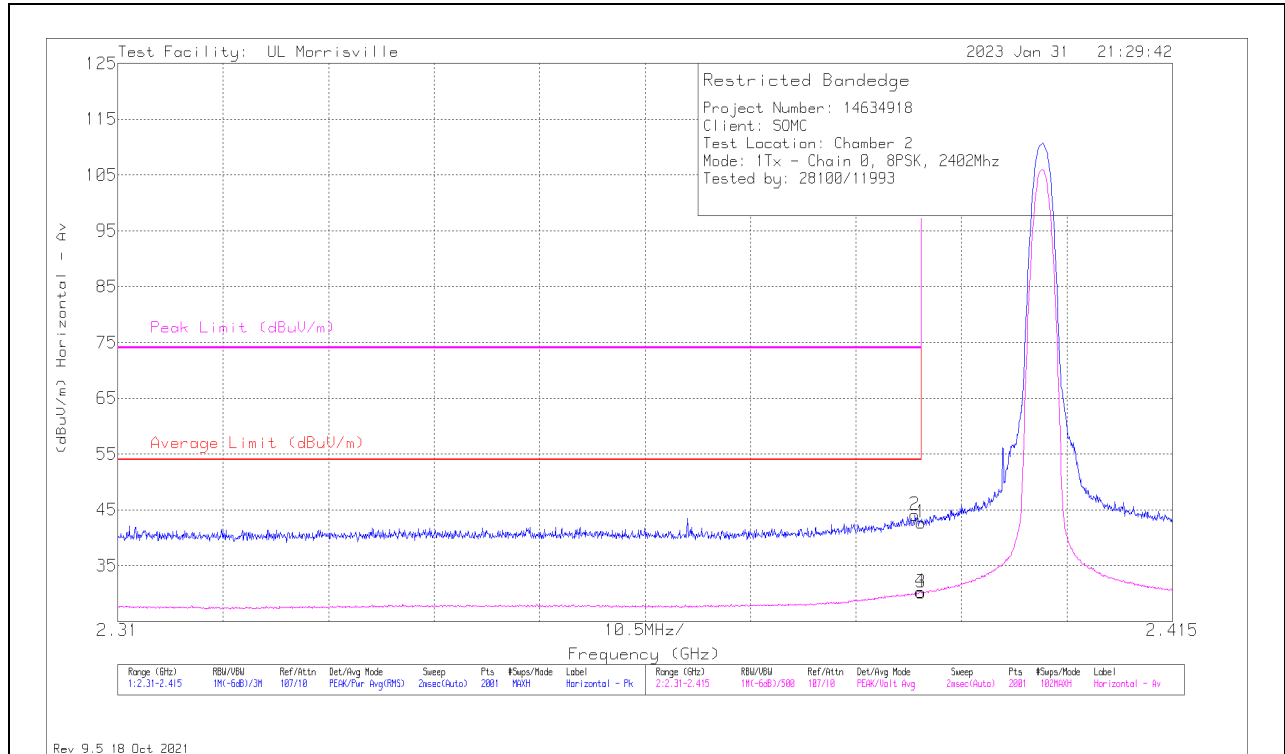
V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration. VBW is set to 0.347 kHz.

10.1.2. BLUETOOTH ENHANCED DATA RATE 8PSK MODULATION

Chain 0

BANDEDGE (LOW CHANNEL)

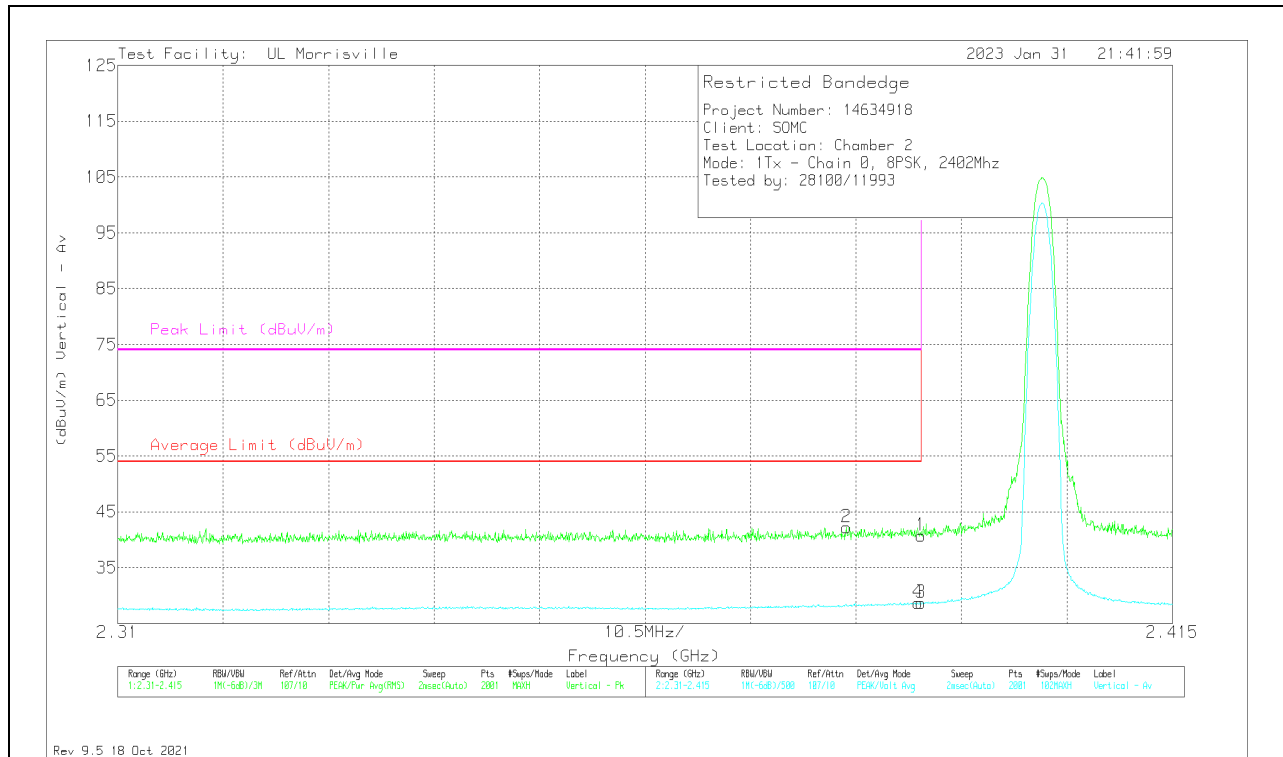
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (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	34.51	Pk	32	-23.8	42.71	-	-	74	-31.29	145	122	H
2	*** 2.38938	35.88	Pk	32	-23.8	44.08	-	-	74	-29.92	145	122	H
3	*** 2.38996	21.94	V1TV	32	-23.8	30.14	54	-23.86	-	-	145	122	H
4	*** 2.38991	22.06	V1TV	32	-23.8	30.26	54	-23.74	-	-	145	122	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

VERTICAL RESULT

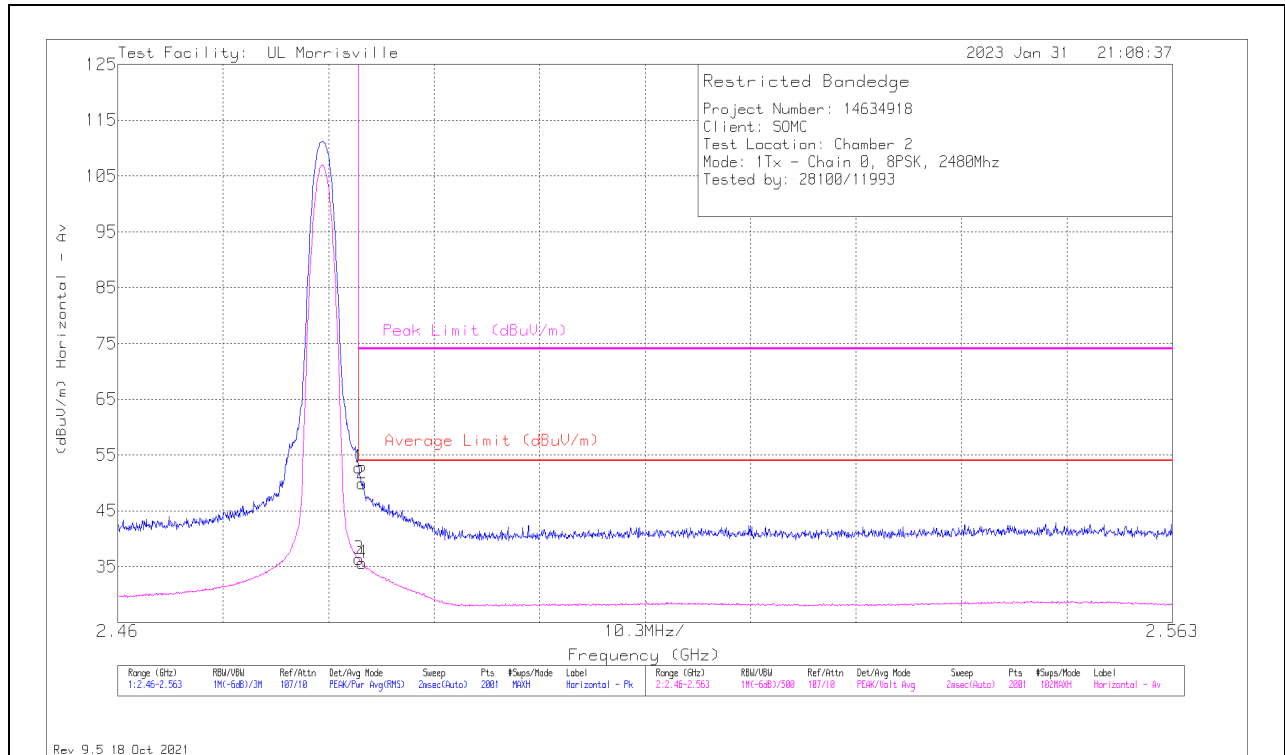


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	32.58	Pk	32	-23.8	40.78	-	-	74	-33.22	230	125	V
2	* ** 2.38256	33.97	Pk	32.1	-23.8	42.27	-	-	74	-31.73	230	125	V
3	* ** 2.38996	20.45	V1TV	32	-23.8	28.65	54	-25.35	-	-	230	125	V
4	* ** 2.38964	20.48	V1TV	32	-23.8	28.68	54	-25.32	-	-	230	125	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

BANDEDGE (HIGH CHANNEL)

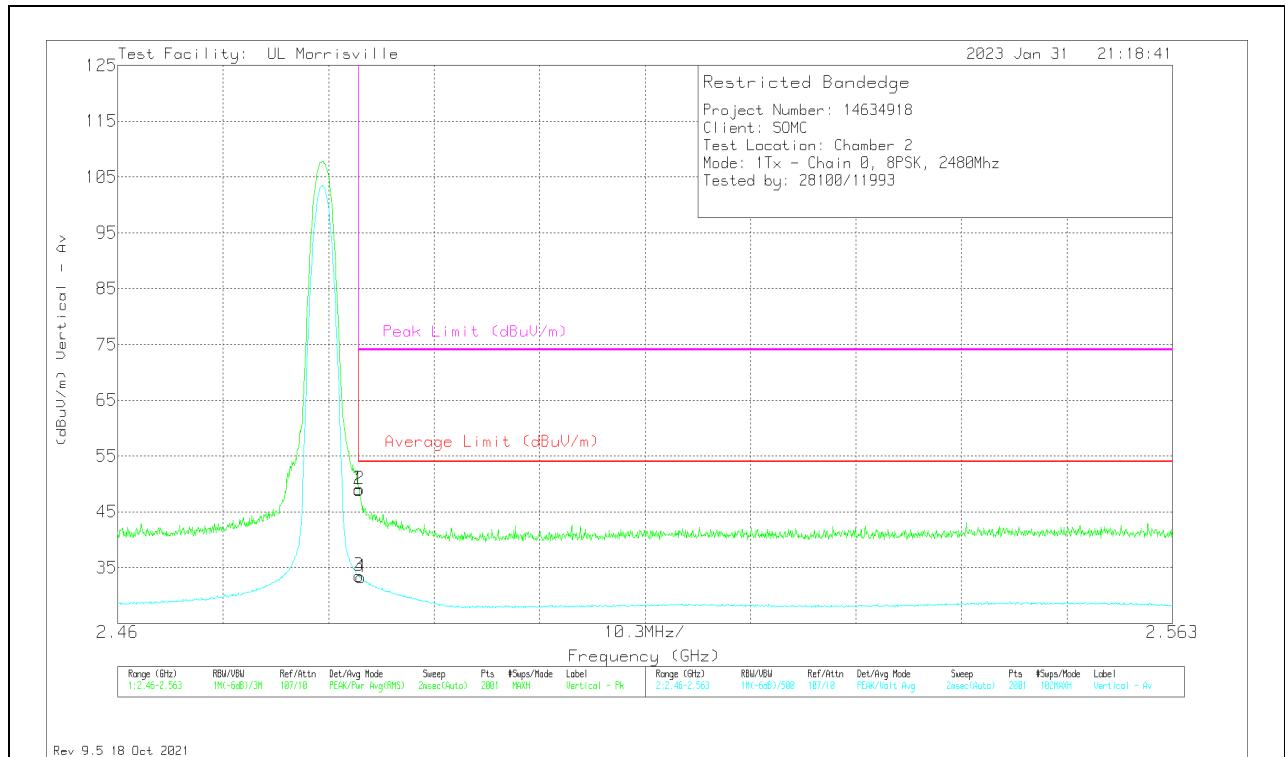
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (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	44.74	Pk	32.3	-24.3	52.74	-	-	74	-21.26	153	119	H
2	*** 2.48384	42.06	Pk	32.3	-24.4	49.96	-	-	74	-24.04	153	119	H
3	*** 2.48354	28.33	V1TV	32.3	-24.3	36.33	54	-17.67	-	-	153	119	H
4	*** 2.48384	27.71	V1TV	32.3	-24.4	35.61	54	-18.39	-	-	153	119	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

VERTICAL RESULT

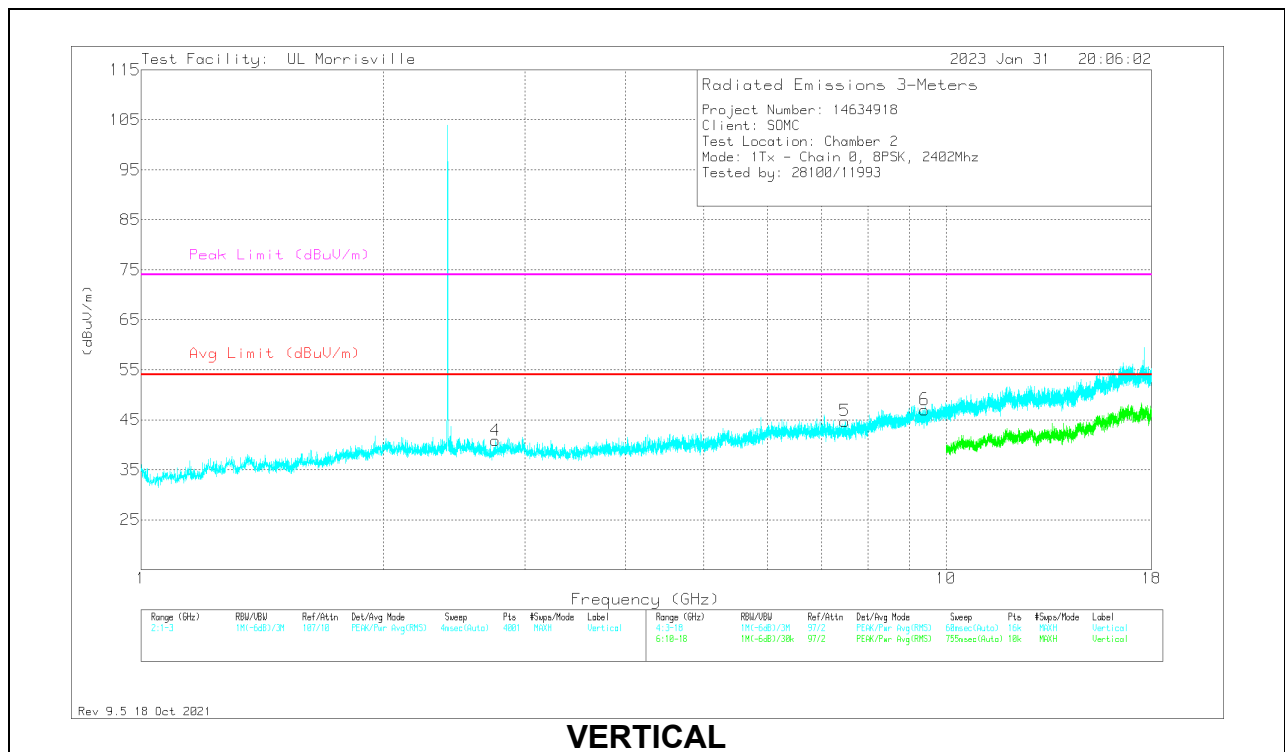
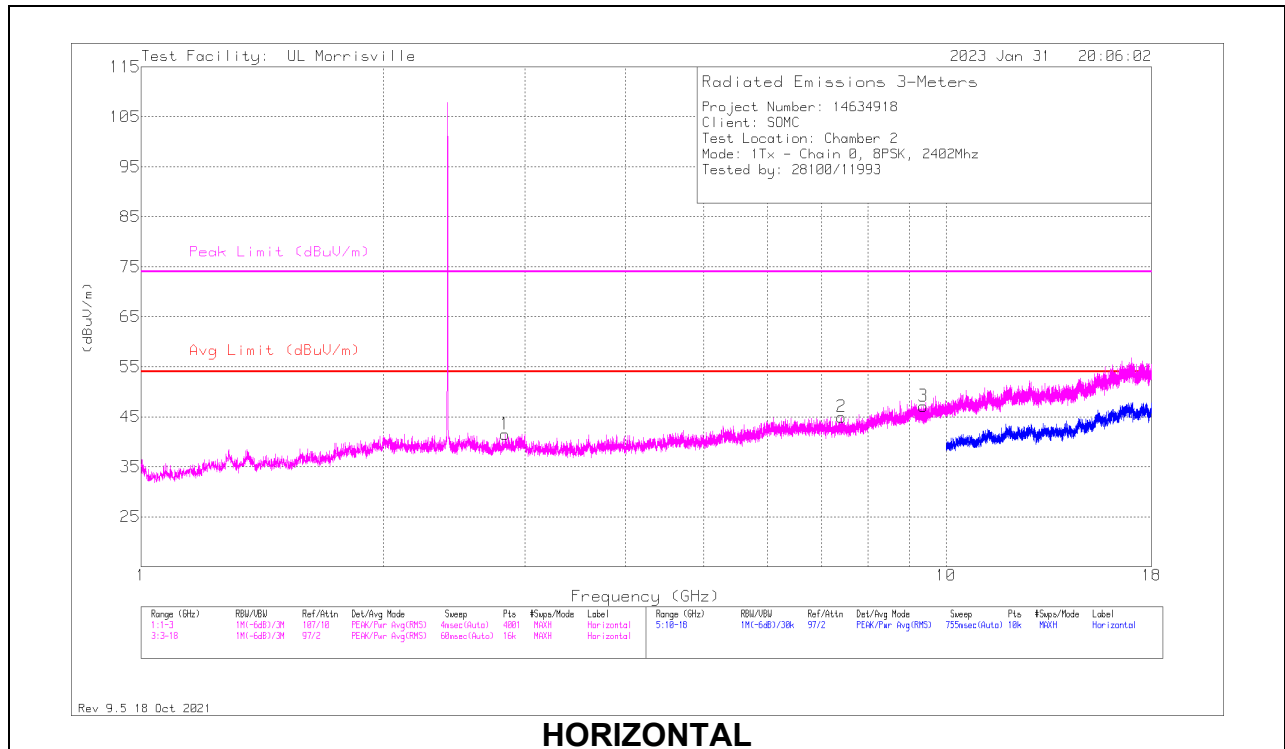


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	40.92	Pk	32.3	-24.3	48.92	-	-	74	-25.08	225	277	V
2	* ** 2.48359	41.1	Pk	32.3	-24.3	49.1	-	-	74	-24.9	225	277	V
3	* ** 2.48354	25.56	V1TV	32.3	-24.3	33.56	54	-20.44	-	-	225	277	V
4	* ** 2.48374	25.29	V1TV	32.3	-24.3	33.29	54	-20.71	-	-	225	277	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

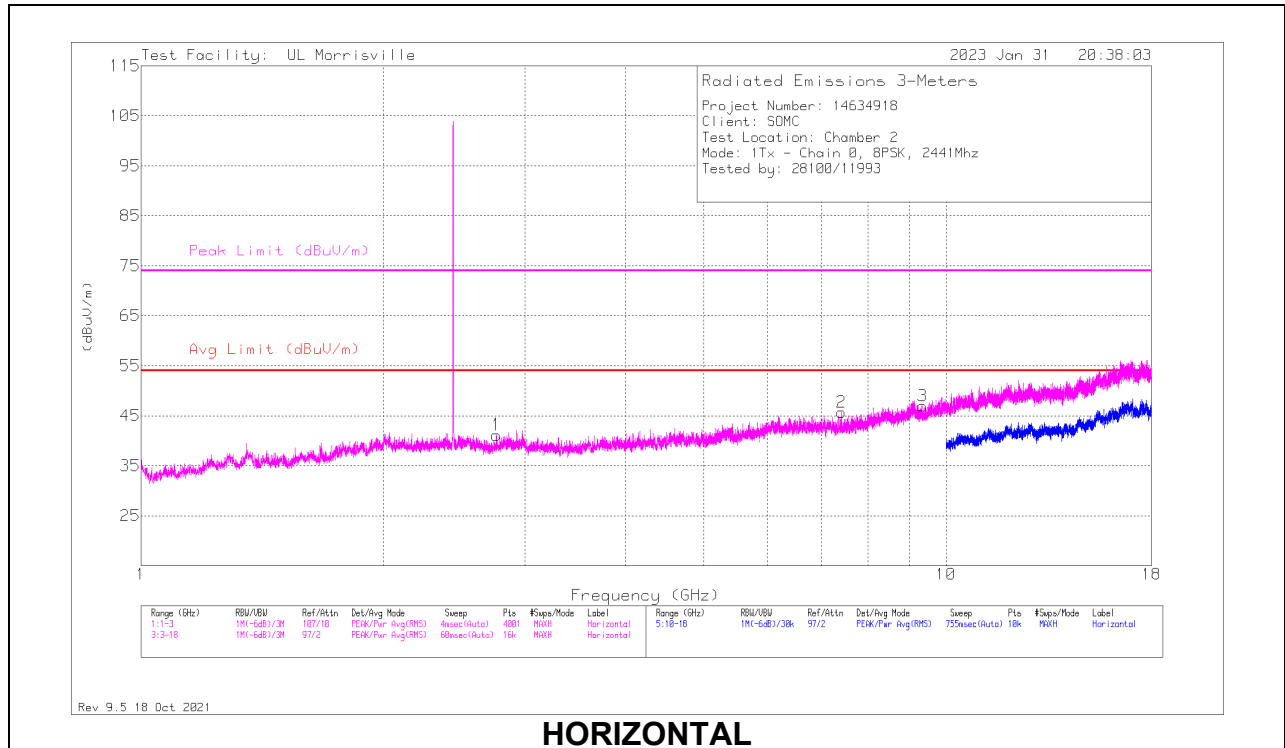


RADIATED EMISSIONS

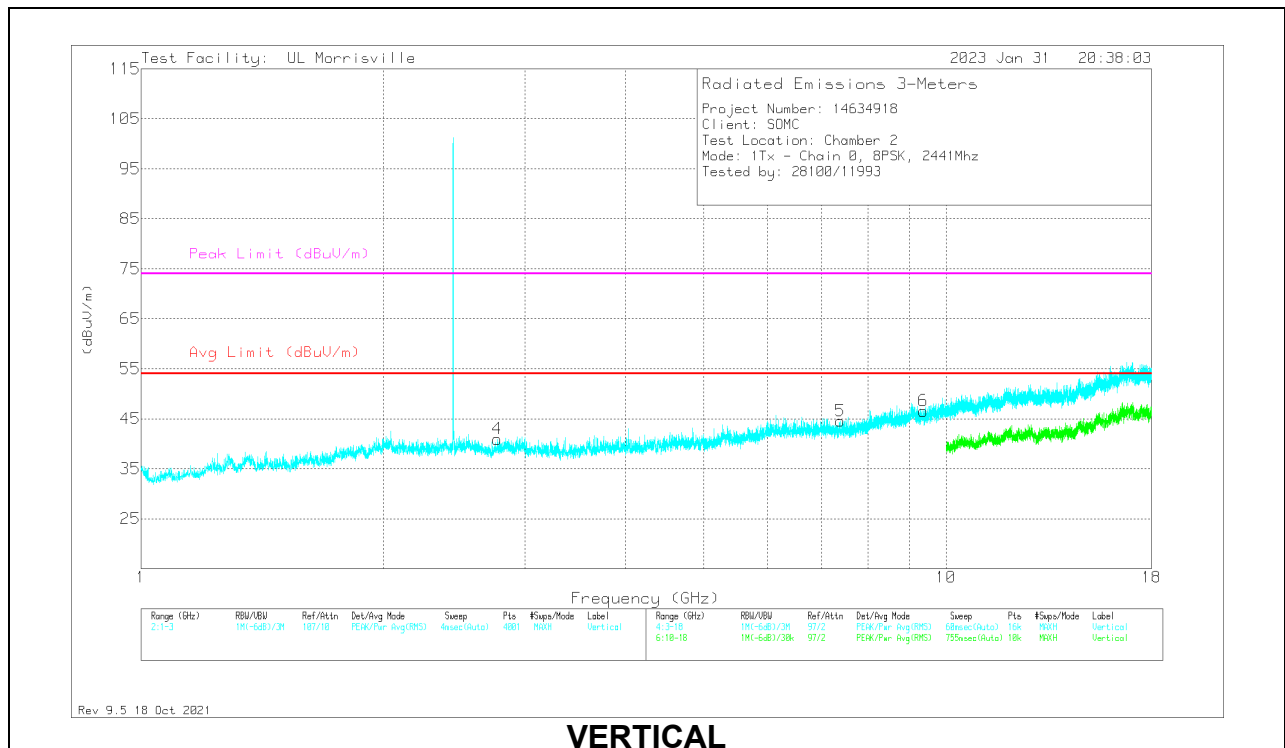
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.834	35.03	Pk	32.3	-25.8	41.53	54	-12.47	74	-32.47	0-360	101	H
4	** 2.7575	34.55	Pk	32.1	-25.8	40.85	54	-13.15	74	-33.15	0-360	101	V
2	*** 7.41188	36.59	Pk	35.6	-27.2	44.99	54	-9.01	74	-29.01	0-360	101	H
3	*** 9.37781	36.42	Pk	36.5	-25.8	47.12	54	-6.88	74	-26.88	0-360	200	H
5	*** 7.48594	37.03	Pk	35.7	-28	44.73	54	-9.27	74	-29.27	0-360	200	V
6	*** 9.40875	36.28	Pk	36.5	-25.8	46.98	54	-7.02	74	-27.02	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

MID CHANNEL RESULTS



HORIZONTAL



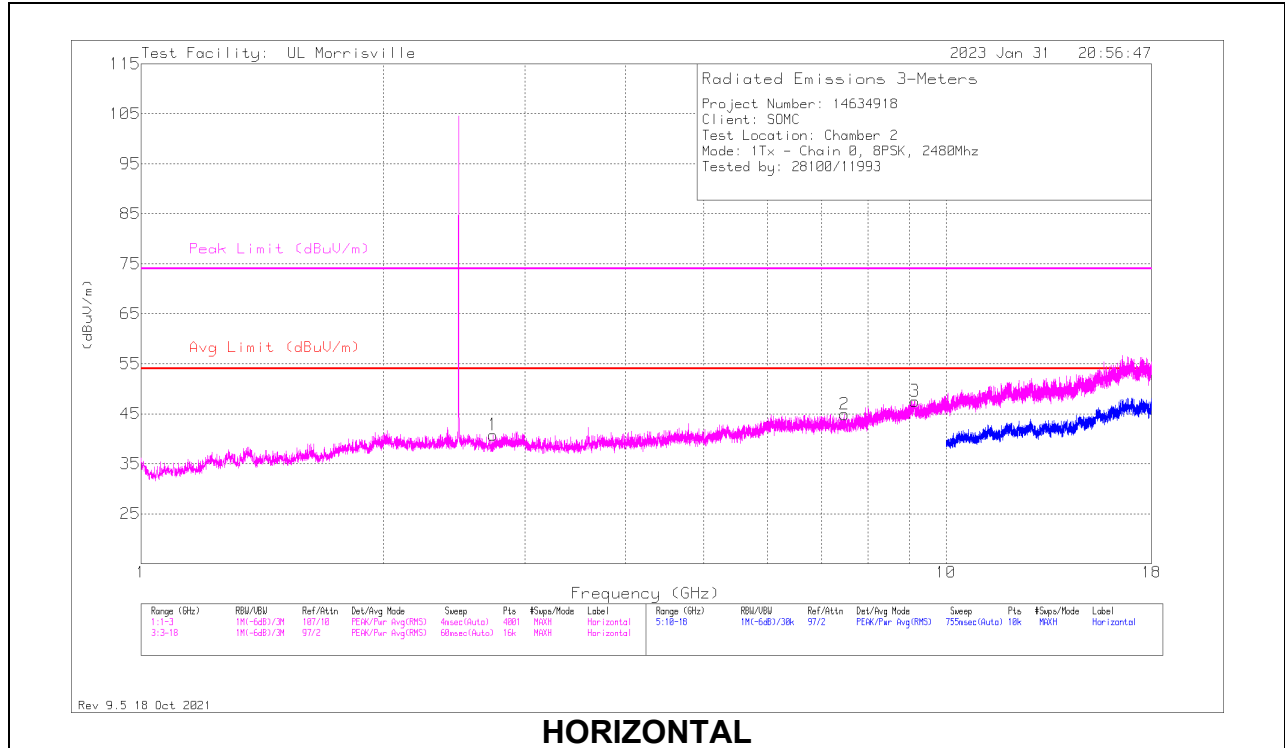
VERTICAL

RADIATED EMISSIONS

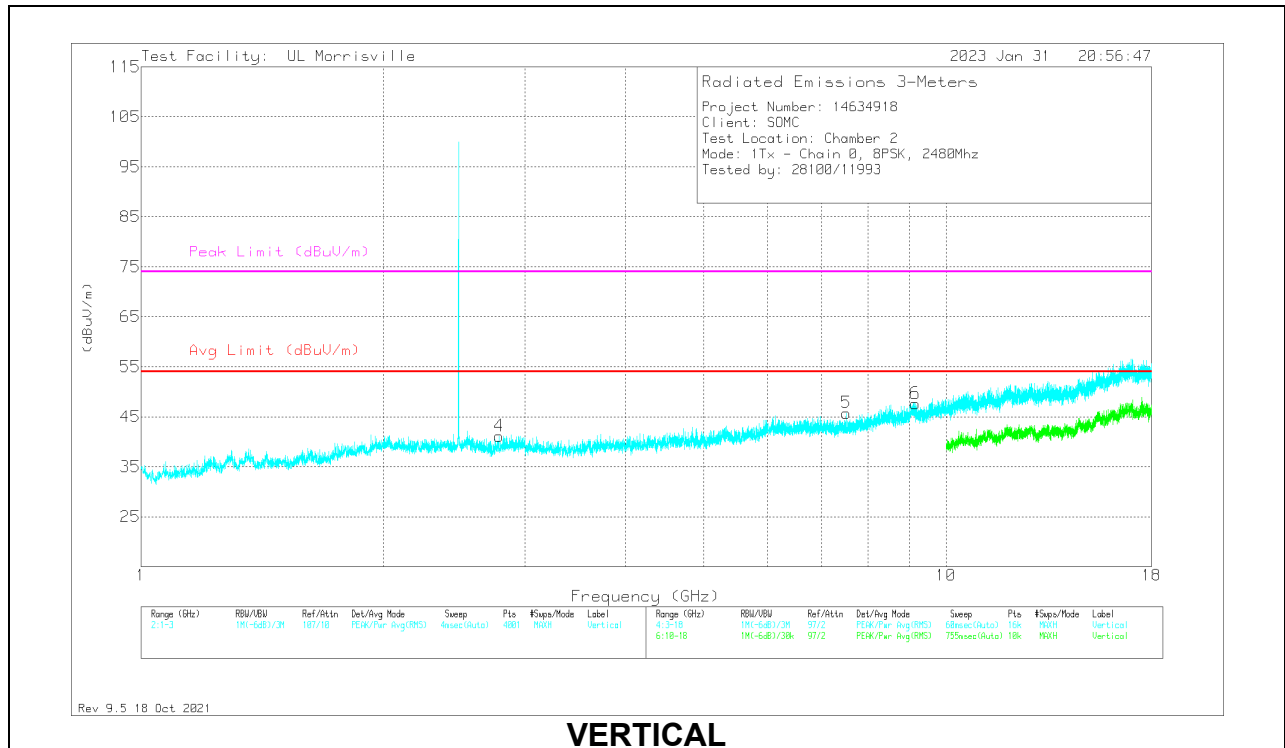
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.763	34.72	Pk	32.2	-25.8	41.12	54	-12.88	74	-32.88	0-360	200	H
4	* ** 2.7685	34.62	Pk	32.2	-25.9	40.92	54	-13.08	74	-33.08	0-360	200	V
2	* ** 7.41563	37.26	Pk	35.6	-27.2	45.66	54	-8.34	74	-28.34	0-360	200	H
3	* ** 9.34969	36.34	Pk	36.5	-25.9	46.94	54	-7.06	74	-27.06	0-360	200	H
5	* ** 7.395	36.05	Pk	35.6	-27.1	44.55	54	-9.45	74	-29.45	0-360	200	V
6	* ** 9.37594	35.75	Pk	36.5	-25.7	46.55	54	-7.45	74	-27.45	0-360	101	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.7385	34.57	Pk	32	-25.8	40.77	54	-13.23	74	-33.23	0-360	199	H
4	*** 2.783	34.83	Pk	32.3	-26	41.13	54	-12.87	74	-32.87	0-360	200	V
2	** 7.48125	36.79	Pk	35.7	-27.6	44.89	54	-9.11	74	-29.11	0-360	200	H
3	*** 9.14344	36.48	Pk	36.2	-25.2	47.48	54	-6.52	74	-26.52	0-360	101	H
5	*** 7.51406	37.76	Pk	35.7	-27.7	45.76	54	-8.24	74	-28.24	0-360	101	V
6	*** 9.1575	37.33	Pk	36.3	-26	47.63	54	-6.37	74	-26.37	0-360	101	V

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

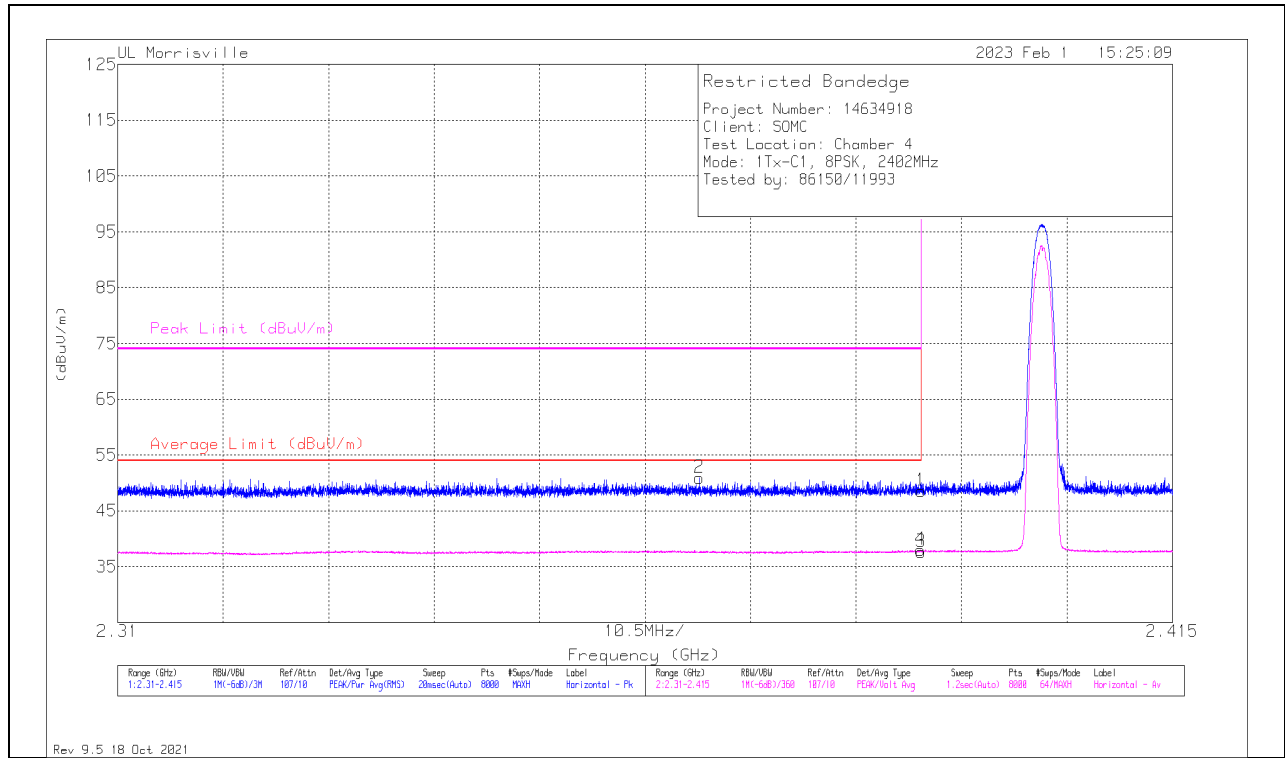
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

Chain 1

BANDEDGE (LOW CHANNEL)

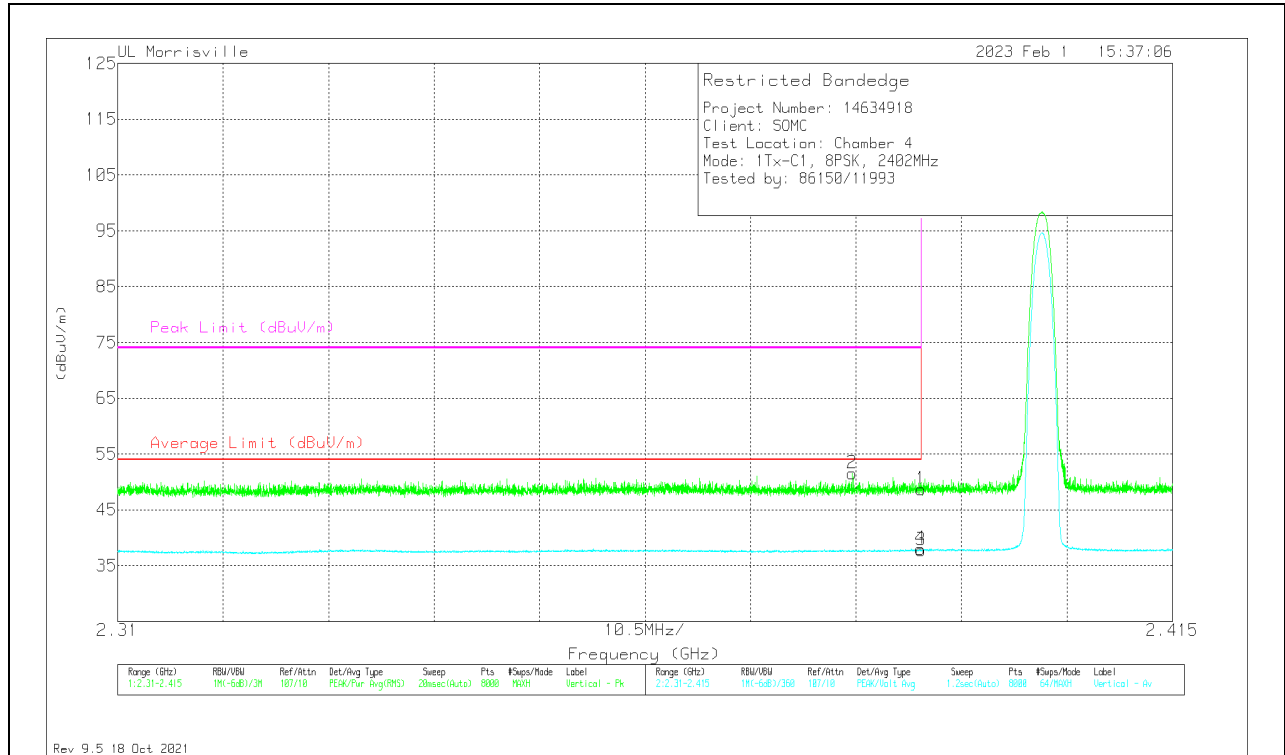
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (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	42.69	Pk	32.2	-26.3	48.59	-	-	74	-25.41	348	255	H
2	*** 2.36789	45.15	Pk	32.2	-26.4	50.95	-	-	74	-23.05	348	255	H
3	*** 2.39	31.77	V1TV	32.2	-26.3	37.67	54	-16.33	-	-	348	255	H
4	*** 2.3899	32.05	V1TV	32.2	-26.3	37.95	54	-16.05	-	-	348	255	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

VERTICAL RESULT

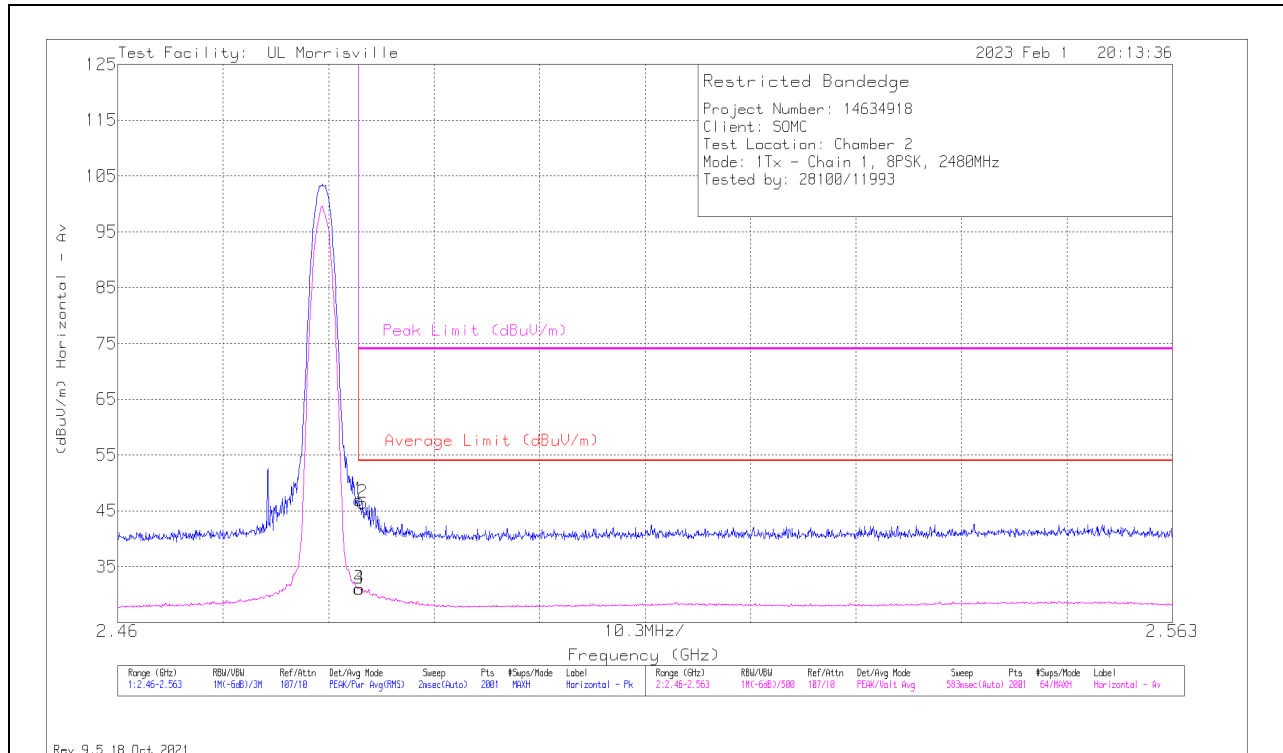


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	42.79	Pk	32.2	-26.3	48.69	-	-	74	-25.31	180	241	V
2	* ** 2.38309	45.7	Pk	32.2	-26.4	51.5	-	-	74	-22.5	180	241	V
3	* ** 2.39	31.84	V1TV	32.2	-26.3	37.74	54	-16.26	-	-	180	241	V
4	* ** 2.38993	32.1	V1TV	32.2	-26.3	38	54	-16	-	-	180	241	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

BANDEDGE (HIGH CHANNEL)

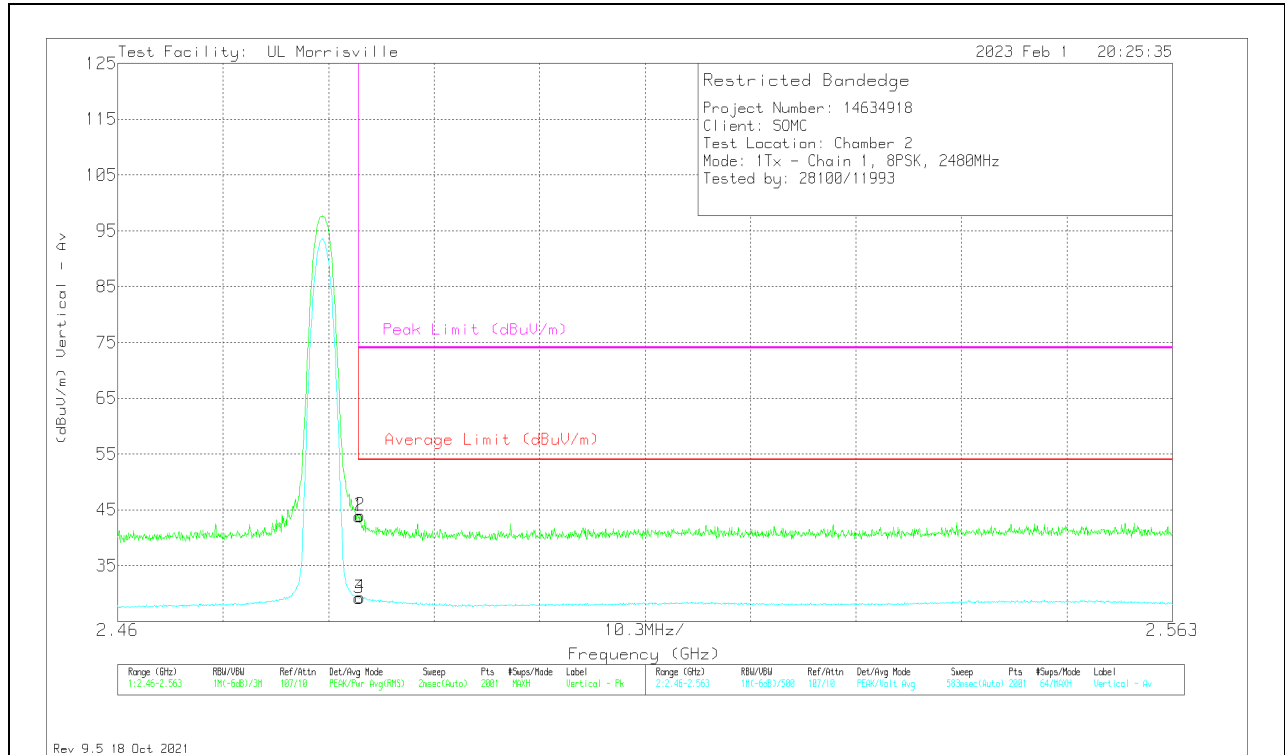
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (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	38.9	Pk	32.3	-24.3	46.9	-	-	74	-27.1	54	325	H
2	*** 2.4839	38.51	Pk	32.3	-24.4	46.41	-	-	74	-27.59	54	325	H
3	*** 2.48354	23.02	V1TV	32.3	-24.3	31.02	54	-22.98	-	-	54	325	H
4	*** 2.48364	23	V1TV	32.3	-24.3	31	54	-23	-	-	54	325	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

VERTICAL RESULT

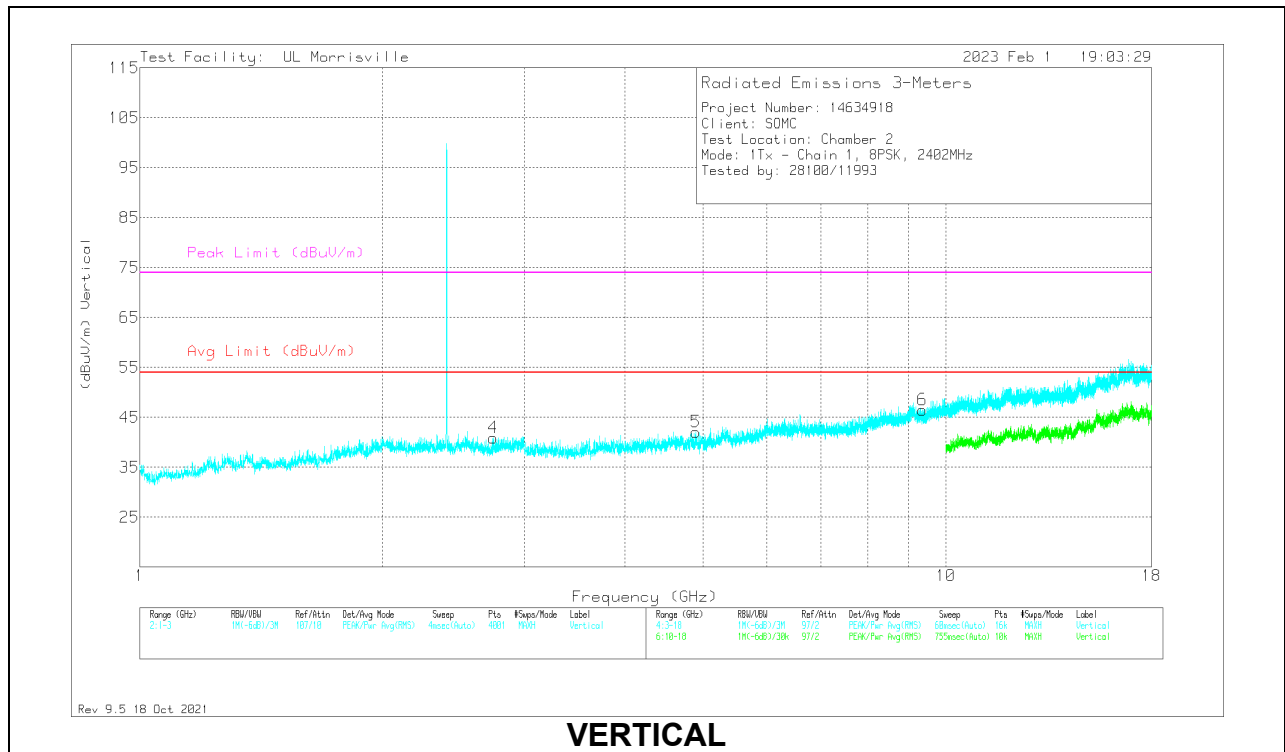
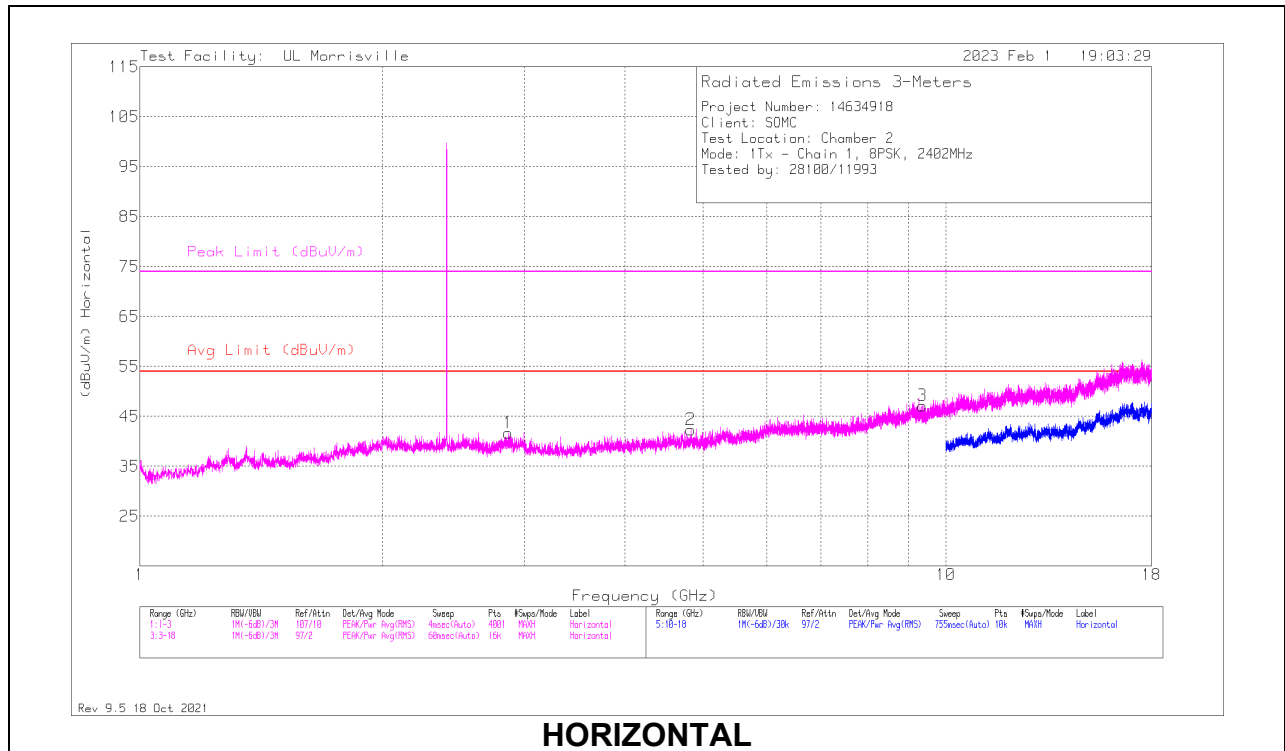


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	35.81	Pk	32.3	-24.3	43.81	-	-	74	-30.19	294	119	V
2	*** 2.48369	35.95	Pk	32.3	-24.3	43.95	-	-	74	-30.05	294	119	V
3	*** 2.48354	21.24	V1TV	32.3	-24.3	29.24	54	-24.76	-	-	294	119	V
4	*** 2.48369	21.35	V1TV	32.3	-24.3	29.35	54	-24.65	-	-	294	119	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

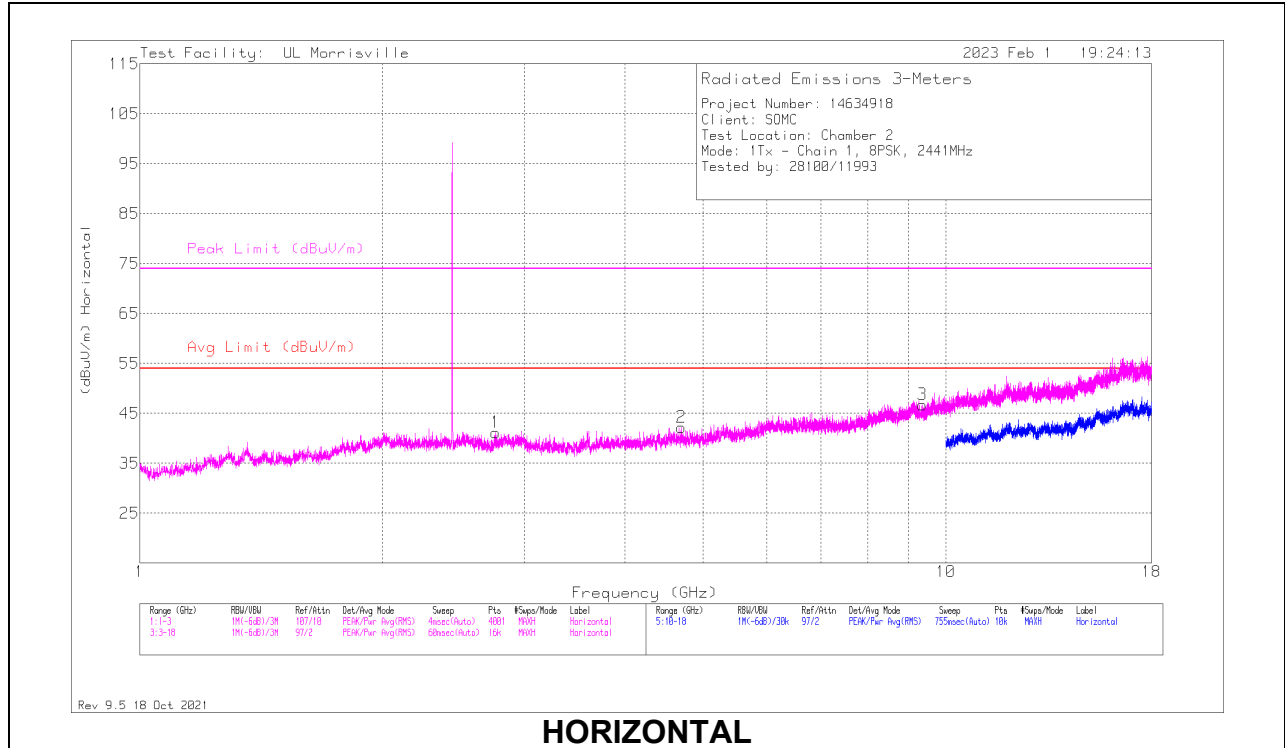
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.866	35.04	Pk	32.4	-25.8	41.64	54	-12.36	74	-32.36	0-360	101	H
4	*** 2.744	34.61	Pk	32	-25.7	40.91	54	-13.09	74	-33.09	0-360	200	V
2	*** 4.82531	38.62	Pk	34	-30.3	42.32	54	-11.68	74	-31.68	0-360	199	H
3	*** 9.35719	36.36	Pk	36.5	-25.7	47.16	54	-6.84	74	-26.84	0-360	199	H
5	*** 4.89469	38.65	Pk	33.9	-30.5	42.05	54	-11.95	74	-31.95	0-360	101	V
6	*** 9.35813	35.53	Pk	36.5	-25.6	46.43	54	-7.57	74	-27.57	0-360	199	V

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

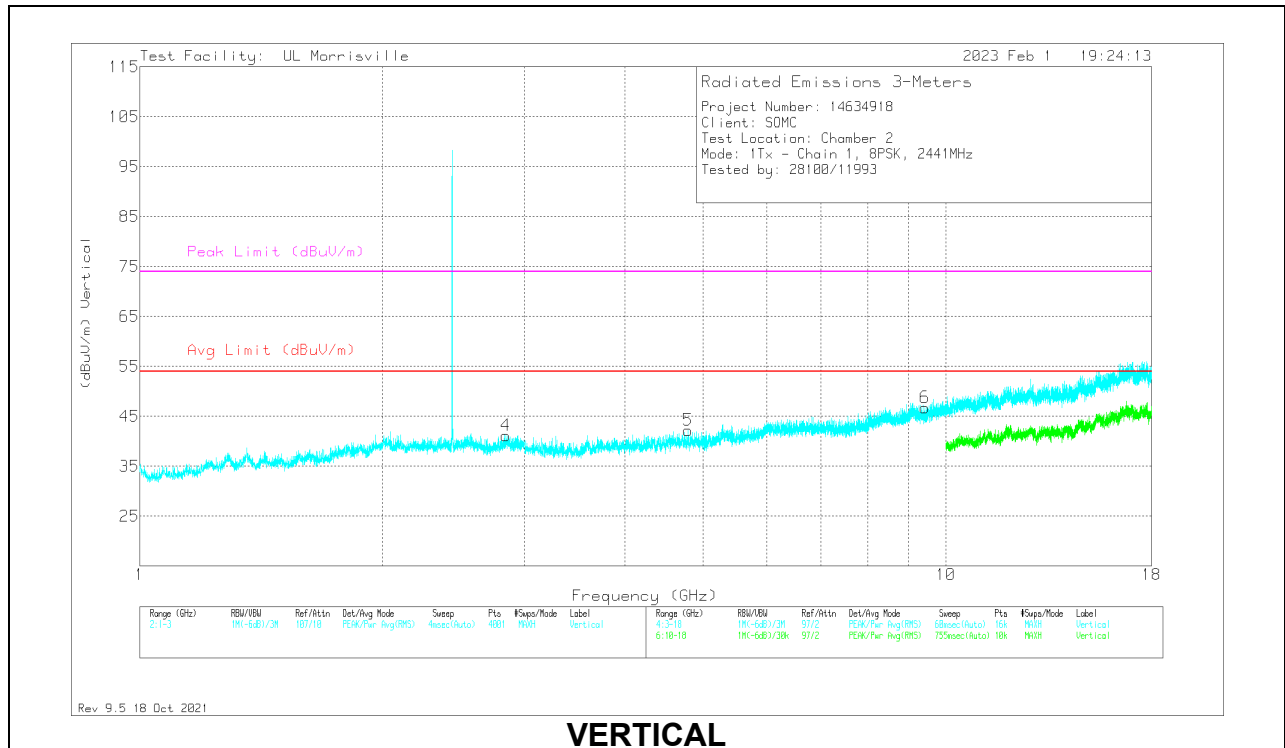
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

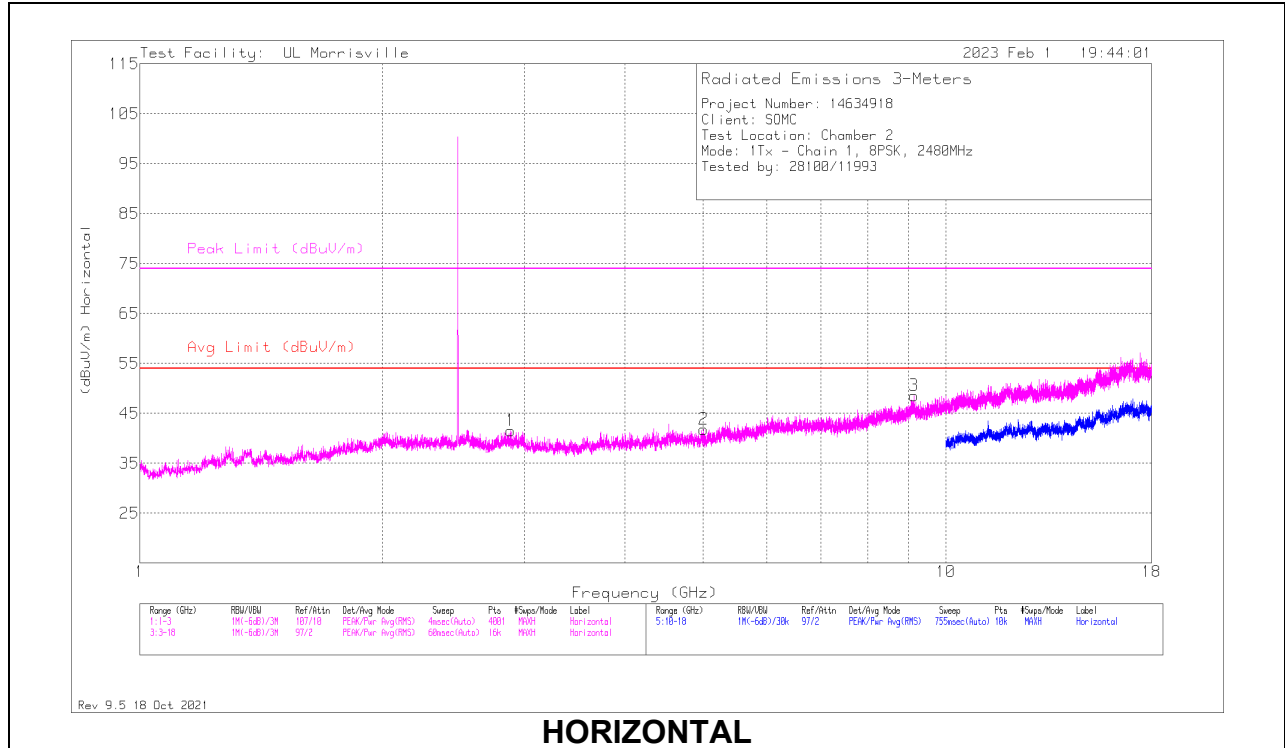
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.7615	34.75	Pk	32.2	-25.8	41.15	54	-12.85	74	-32.85	0-360	199	H
4	* ** 2.845	34.65	Pk	32.3	-25.8	41.15	54	-12.85	74	-32.85	0-360	199	V
2	* ** 4.70156	39.01	Pk	34.1	-30.9	42.21	54	-11.79	74	-31.79	0-360	199	H
3	* ** 9.34875	36.17	Pk	36.5	-25.9	46.77	54	-7.23	74	-27.23	0-360	101	H
5	* ** 4.78969	38.9	Pk	34	-30.7	42.2	54	-11.8	74	-31.8	0-360	200	V
6	* ** 9.42375	36.2	Pk	36.5	-26	46.7	54	-7.3	74	-27.3	0-360	101	V

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

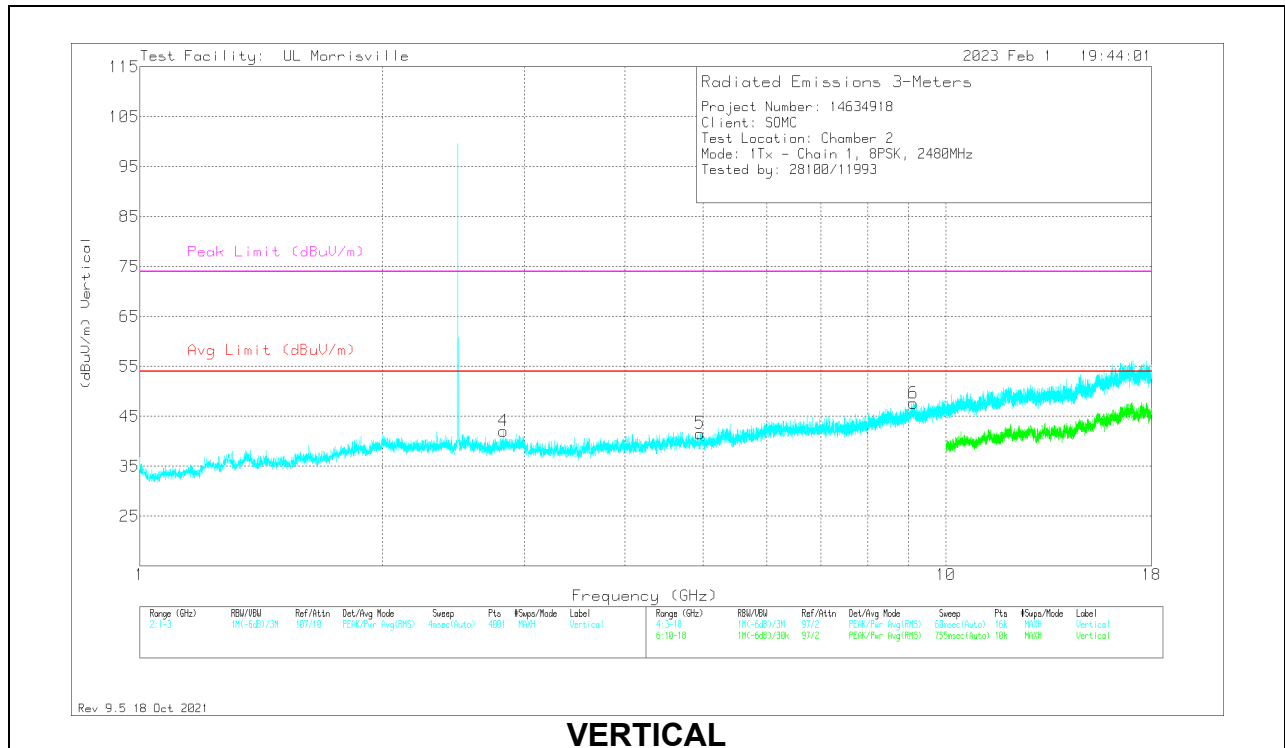
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.8825	35.04	Pk	32.5	-26	41.54	54	-12.46	74	-32.46	0-360	200	H
4	*** 2.825	35.32	Pk	32.4	-25.7	42.02	54	-11.98	74	-31.98	0-360	200	V
2	*** 5.00719	38.91	Pk	34	-31.1	41.81	54	-12.19	74	-32.19	0-360	199	H
3	*** 9.13764	38.05	PK2	36.2	-24.9	49.35	-	-	74	-24.65	229	305	H
	*** 9.1377	23.9	V1TV	36.2	-24.9	35.2	54	-18.8	-	-	229	305	H
5	*** 4.95844	38.61	Pk	33.9	-30.9	41.61	54	-12.39	74	-32.39	0-360	101	V
6	*** 9.1125	36.97	Pk	36.2	-25.5	47.67	54	-6.33	74	-26.33	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

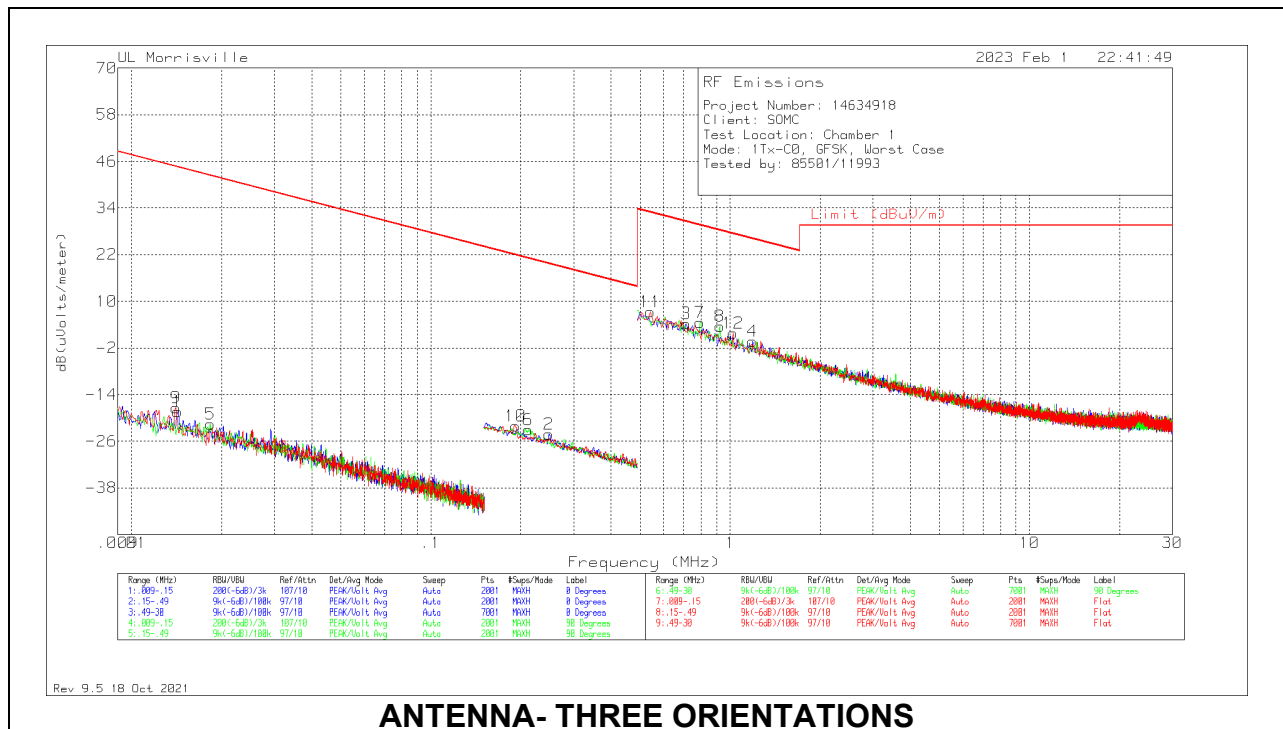
PK2 - Maximum Peak

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration. VBW is set to 0.345 kHz.

10.2. 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 Chain 0)

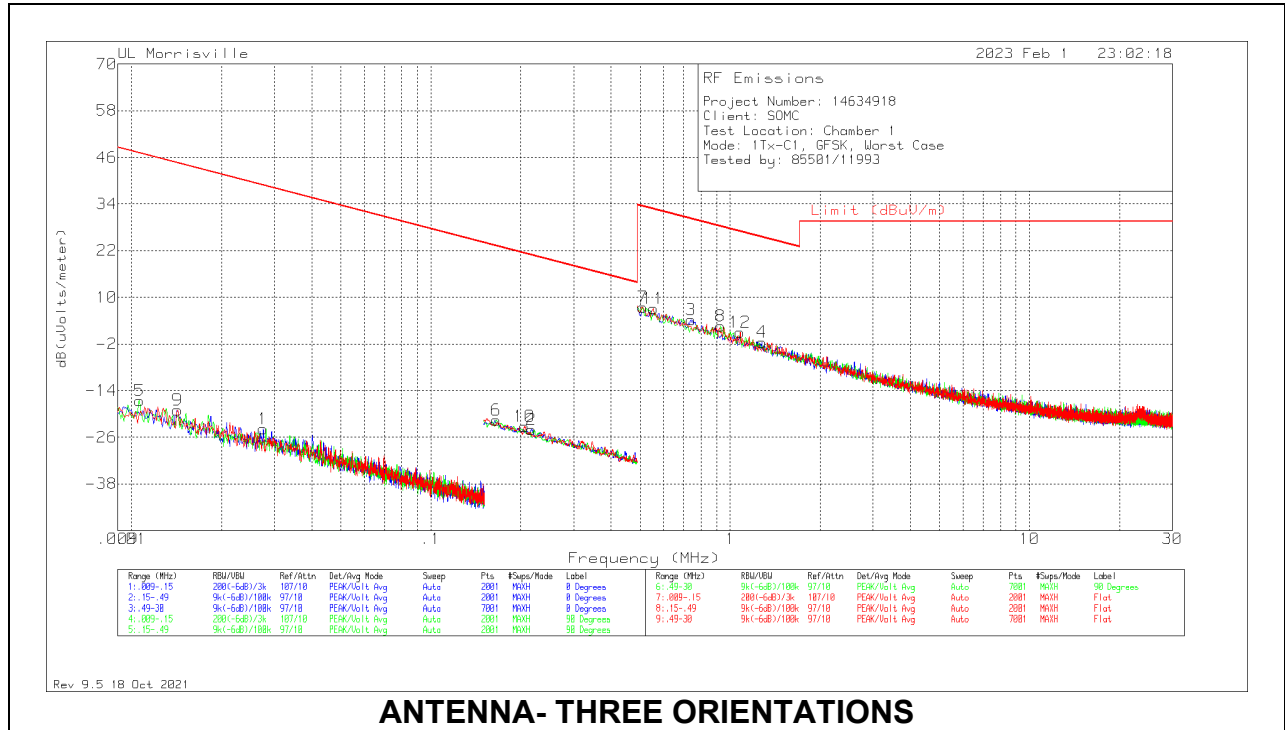


ANTENNA- THREE ORIENTATIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
9	.01411	44.92	Pk	17.5	.1	-80	-17.48	44.61	64.61	-62.09	0-360	Flat
1	.01425	44.09	Pk	17.4	.1	-80	-18.41	44.53	64.53	-62.94	0-360	0 degs
5	.01837	42.63	Pk	15.6	.1	-80	-21.67	42.32	62.32	-63.99	0-360	90 degs
10	.19165	45.66	Pk	12.2	.1	-80	-22.04	21.95	41.95	-43.99	0-360	Flat
6	.21171	44.59	Pk	12.2	.1	-80	-23.11	21.09	41.09	-44.2	0-360	90 degs
2	.24826	43.48	Pk	12.2	.1	-80	-24.22	19.71	39.71	-43.93	0-360	0 degs
11	.54059	34.87	Pk	12.2	.2	-40	7.27	32.95	-	-25.68	0-360	Flat
3	.71345	31.89	Pk	12.2	.2	-40	4.29	30.54	-	-26.25	0-360	0 degs
7	.79355	32.11	Pk	12.2	.2	-40	4.51	29.61	-	-25.1	0-360	90 degs
8	.92425	31.13	Pk	12.2	.2	-40	3.53	28.29	-	-24.76	0-360	90 degs
12	1.02122	29.41	Pk	12.2	.2	-40	1.81	27.42	-	-25.61	0-360	Flat
4	1.18986	27.29	Pk	12.2	.2	-40	-3.1	26.09	-	-26.4	0-360	0 degs

Pk - Peak detector

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



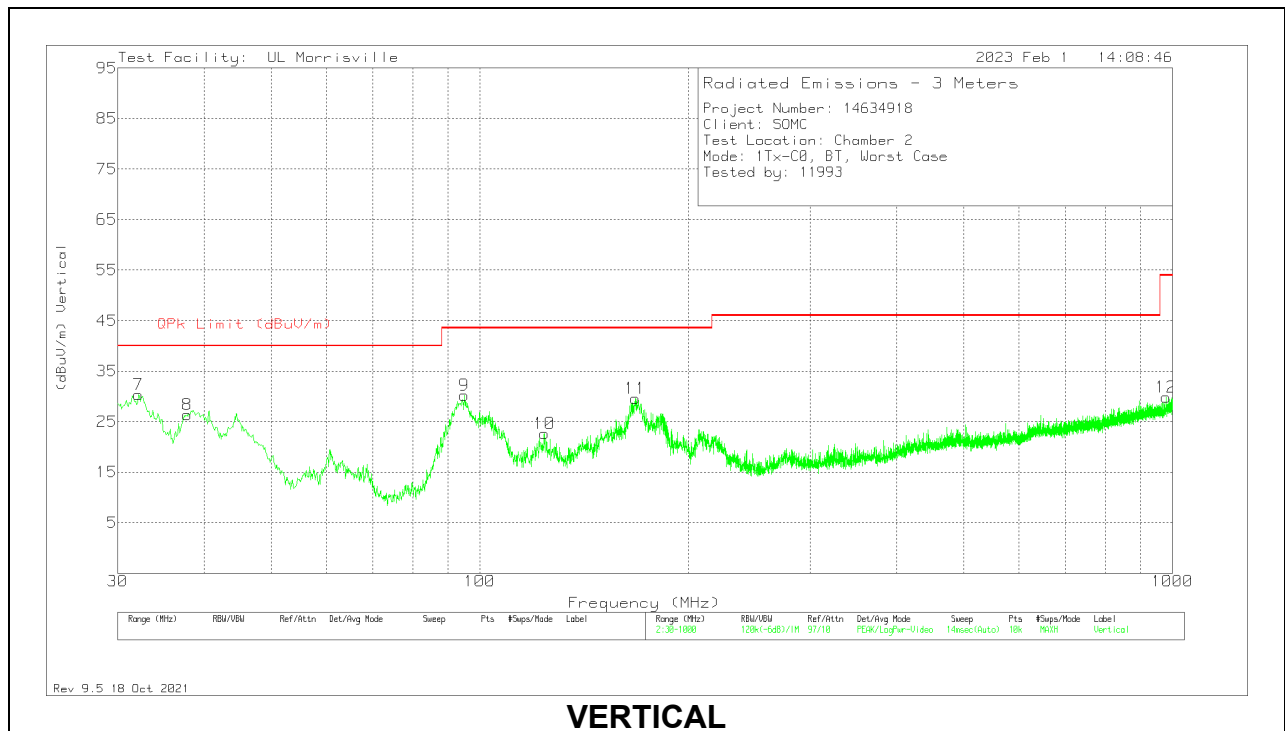
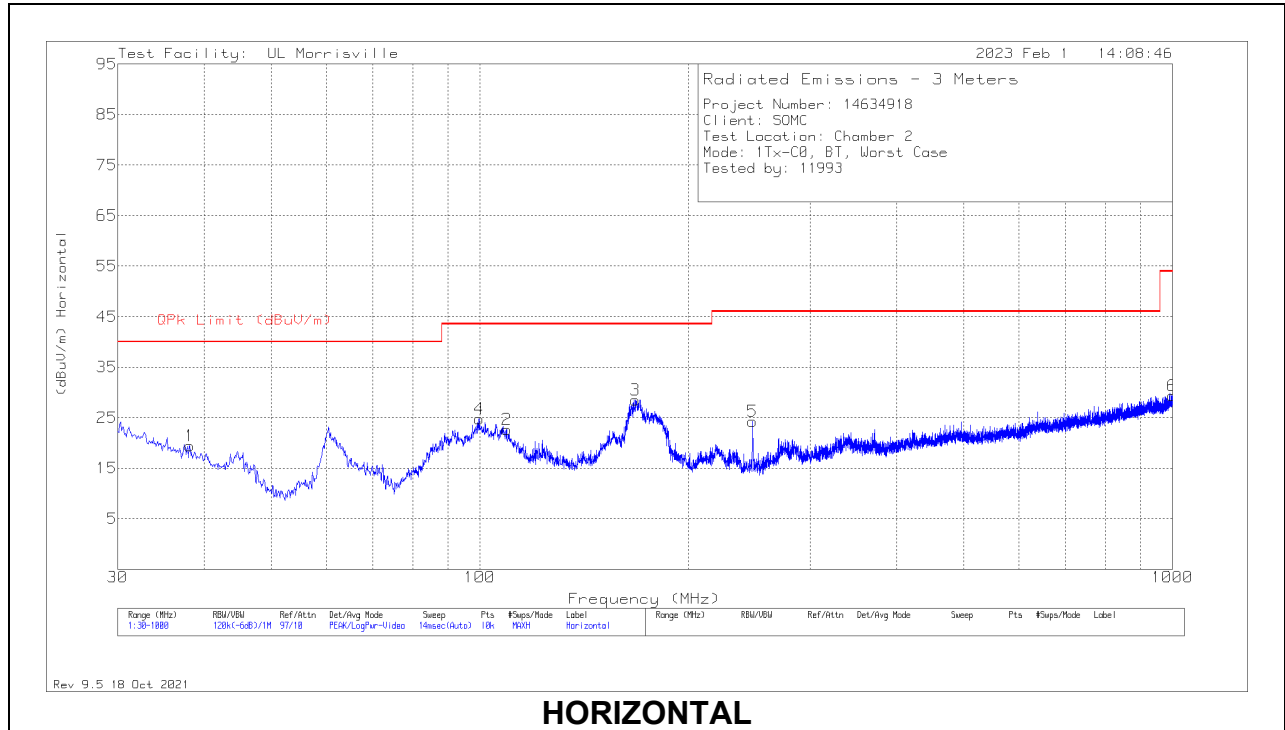
ANTENNA- THREE ORIENTATIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
5	.01063	44.26	Pk	19	.1	-80	-16.64	47.07	67.07	-63.71	0-360	90 degs
9	.01425	43.42	Pk	17.4	.1	-80	-19.08	44.53	64.53	-63.61	0-360	Flat
1	.02753	41.67	Pk	14.3	.1	-80	-23.93	38.81	58.81	-62.74	0-360	0 degs
6	.16539	46.04	Pk	12.2	.1	-80	-21.66	23.23	43.23	-44.89	0-360	90 degs
10	.20576	44.48	Pk	12.2	.1	-80	-23.22	21.34	41.34	-44.56	0-360	Flat
2	.21681	43.68	Pk	12.2	.1	-80	-24.02	20.88	40.88	-44.9	0-360	0 degs
7	.51108	35.06	Pk	12.2	.2	-40	7.46	33.43	-	-25.97	0-360	90 degs
11	.55324	34.65	Pk	12.2	.2	-40	7.05	32.75	-	-25.7	0-360	Flat
3	.73874	31.8	Pk	12.2	.2	-40	4.2	30.23	-	-26.03	0-360	0 degs
8	.92846	30.18	Pk	12.2	.2	-40	2.58	28.25	-	-25.67	0-360	90 degs
12	1.08024	28.59	Pk	12.2	.2	-40	.99	26.93	-	-25.94	0-360	Flat
4	1.27418	26.08	Pk	12.2	.2	-40	-1.52	25.5	-	-27.02	0-360	0 degs

Pk - Peak detector

10.3. WORST CASE 30-1000MHZ

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



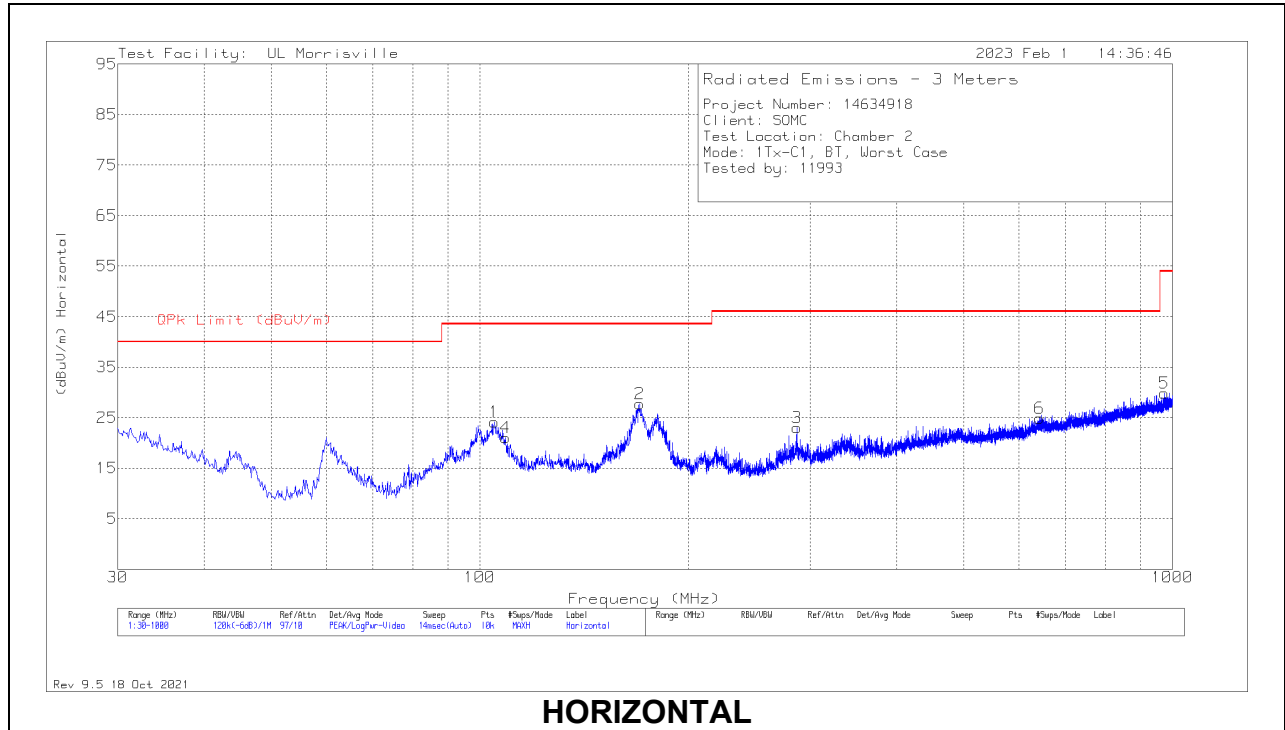
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 38.148	29.42	Pk	21.3	-31.3	19.42	40	-20.58	0-360	399	H
2	* ** 109.346	34.72	Pk	18.5	-30.6	22.62	43.52	-20.9	0-360	299	H
3	* ** 167.74	40.17	Pk	18.1	-29.8	28.47	43.52	-15.05	0-360	199	H
5	* ** 247.668	35.95	Pk	17.6	-29.3	24.25	46.02	-21.77	0-360	101	H
6	* ** 999.806	24.35	Pk	29	-24	29.35	53.97	-24.62	0-360	399	H
8	* ** 37.76	36.05	Pk	21.6	-31.3	26.35	40	-13.65	0-360	101	V
10	* ** 123.896	32.93	Pk	19.9	-30.2	22.63	43.52	-20.89	0-360	101	V
11	* ** 167.837	41.28	Pk	18.1	-29.8	29.58	43.52	-13.94	0-360	101	V
12	* ** 980.212	25.51	Pk	28.7	-24.4	29.81	53.97	-24.16	0-360	299	V
7	32.134	36.04	Pk	25.8	-31.5	30.34	-	-	0-360	101	V
9	94.893	45.62	Pk	15.1	-30.5	30.22	-	-	0-360	101	V
4	99.743	39	Pk	16.4	-30.6	24.8	-	-	0-360	199	H

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

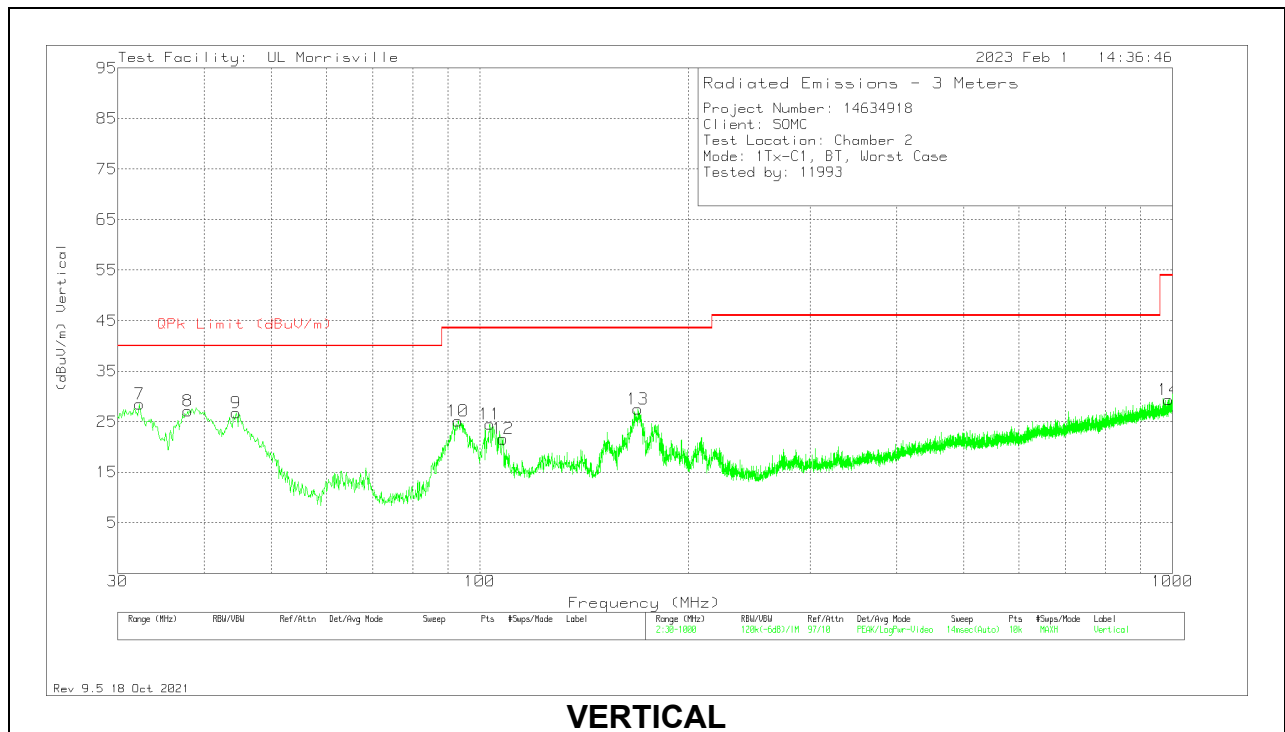
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

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



HORIZONTAL



VERTICAL

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 170.262	39.55	Pk	18	-29.8	27.75	43.52	-15.77	0-360	199	H
4	*** 108.861	33.15	Pk	18.4	-30.5	21.05	43.52	-22.47	0-360	299	H
5	*** 972.355	26.1	Pk	28.5	-24.7	29.9	53.97	-24.07	0-360	199	H
8	*** 37.857	36.85	Pk	21.6	-31.3	27.15	40	-12.85	0-360	101	V
12	*** 108.085	33.8	Pk	18.3	-30.5	21.6	43.52	-21.92	0-360	101	V
13	*** 169.195	39.35	Pk	18	-29.9	27.45	43.52	-16.07	0-360	101	V
14	*** 987.681	24.88	Pk	28.8	-24.3	29.38	53.97	-24.59	0-360	101	V
7	32.231	34.32	Pk	25.7	-31.5	28.52	-	-	0-360	101	V
9	44.453	41.13	Pk	16.7	-31.1	26.73	-	-	0-360	101	V
10	93.05	41.29	Pk	14.7	-30.8	25.19	-	-	0-360	101	V
11	103.332	37.54	Pk	17.5	-30.5	24.54	-	-	0-360	101	V
1	104.981	36.65	Pk	17.8	-30.3	24.15	-	-	0-360	299	H
3	286.856	32.48	Pk	19.3	-28.8	22.98	-	-	0-360	101	H
6	642.846	26.26	Pk	25.7	-27.1	24.86	-	-	0-360	101	H

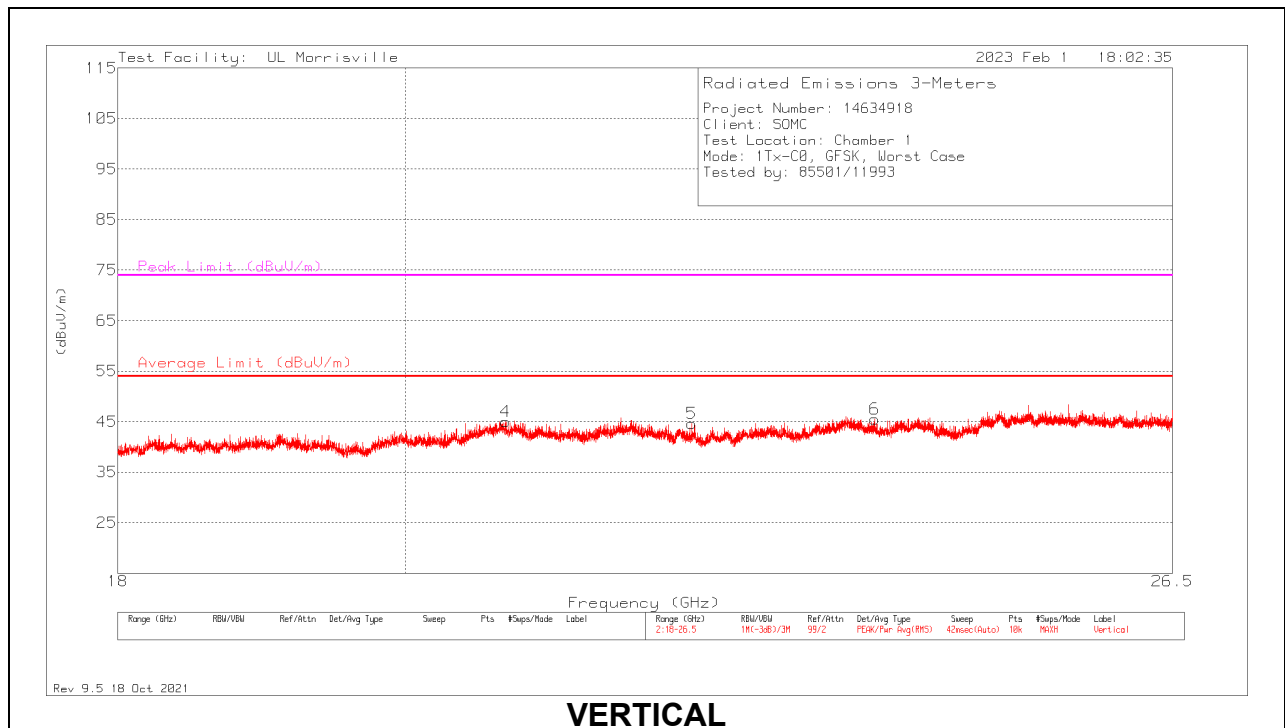
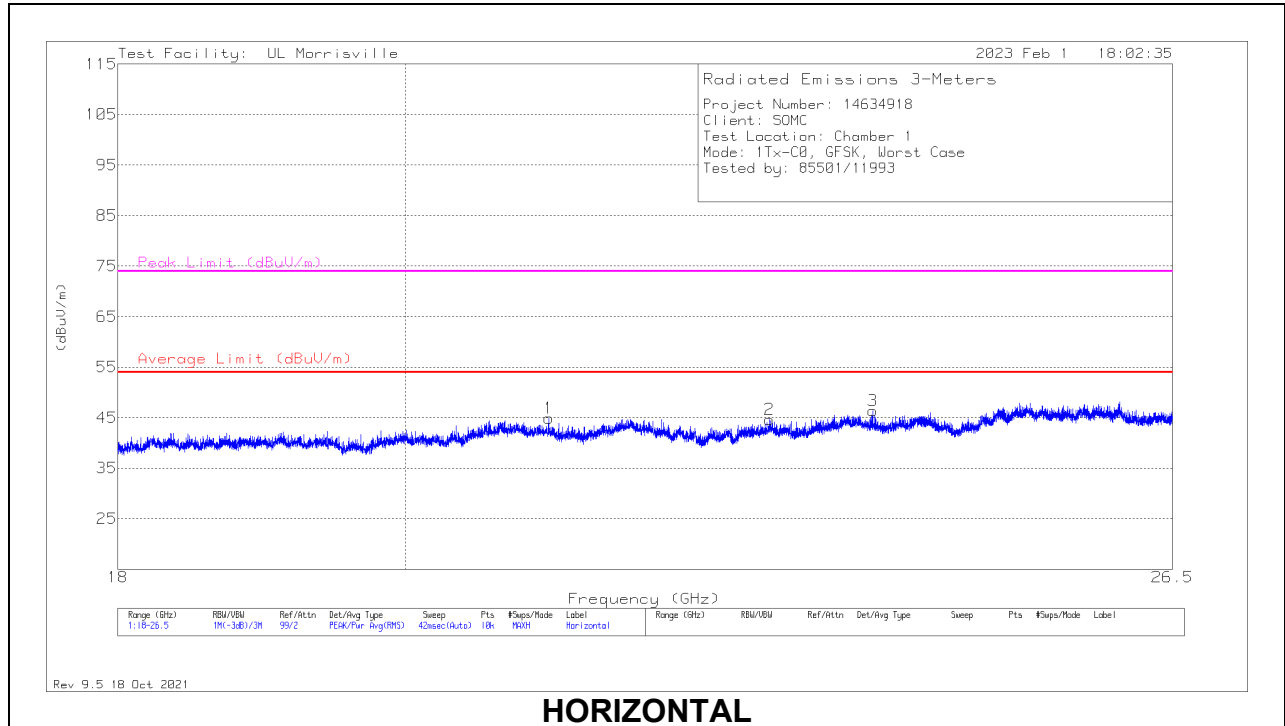
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.4. WORST CASE 18-26 GHz

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



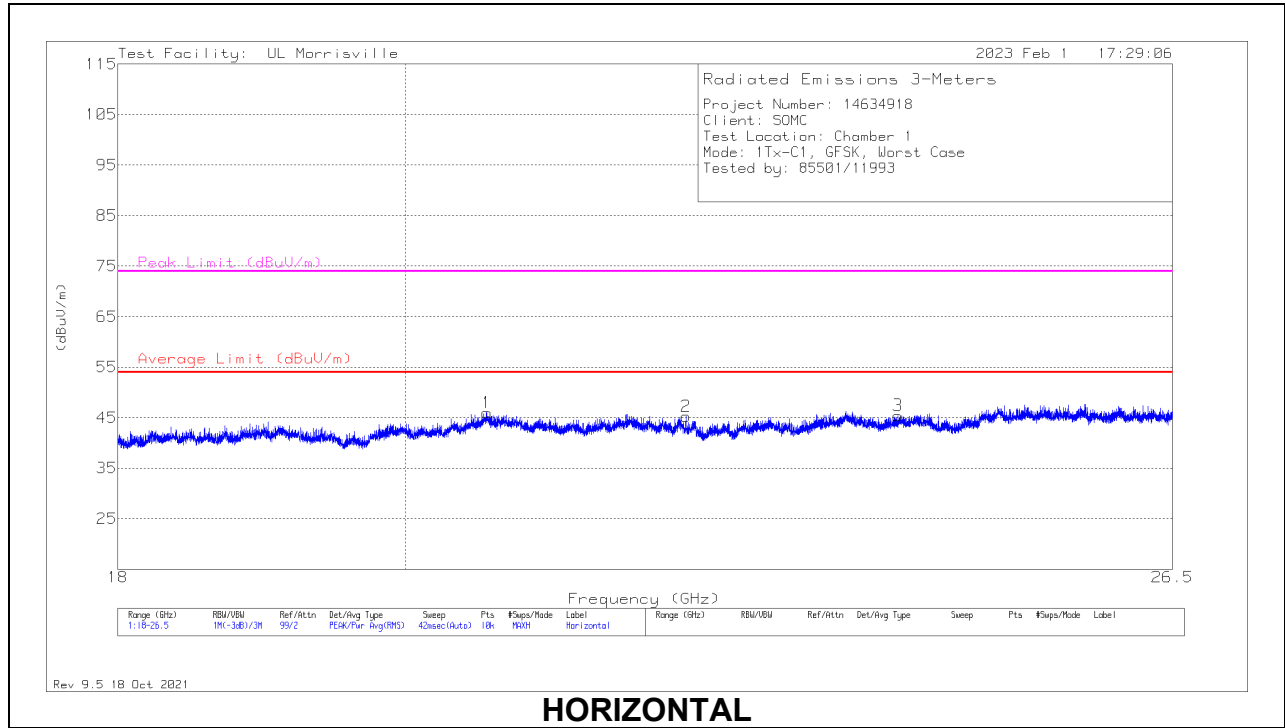
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 21.08094	49.99	Pk	34.1	-39.2	44.89	54	-9.11	74	-29.11	0-360	199	H
2	* ** 22.85811	49.5	Pk	34.4	-39.3	44.6	54	-9.4	74	-29.4	0-360	249	H
3	* ** 23.74203	50.36	Pk	35.1	-39.1	46.36	54	-7.64	74	-27.64	0-360	199	H
4	* ** 20.74948	50.16	Pk	34	-39.1	45.06	54	-8.94	74	-28.94	0-360	101	V
5	* ** 22.21898	49.63	Pk	34.5	-39.5	44.63	54	-9.37	74	-29.37	0-360	201	V
6	* ** 23.75817	49.38	Pk	35.1	-39	45.48	54	-8.52	74	-28.52	0-360	151	V

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

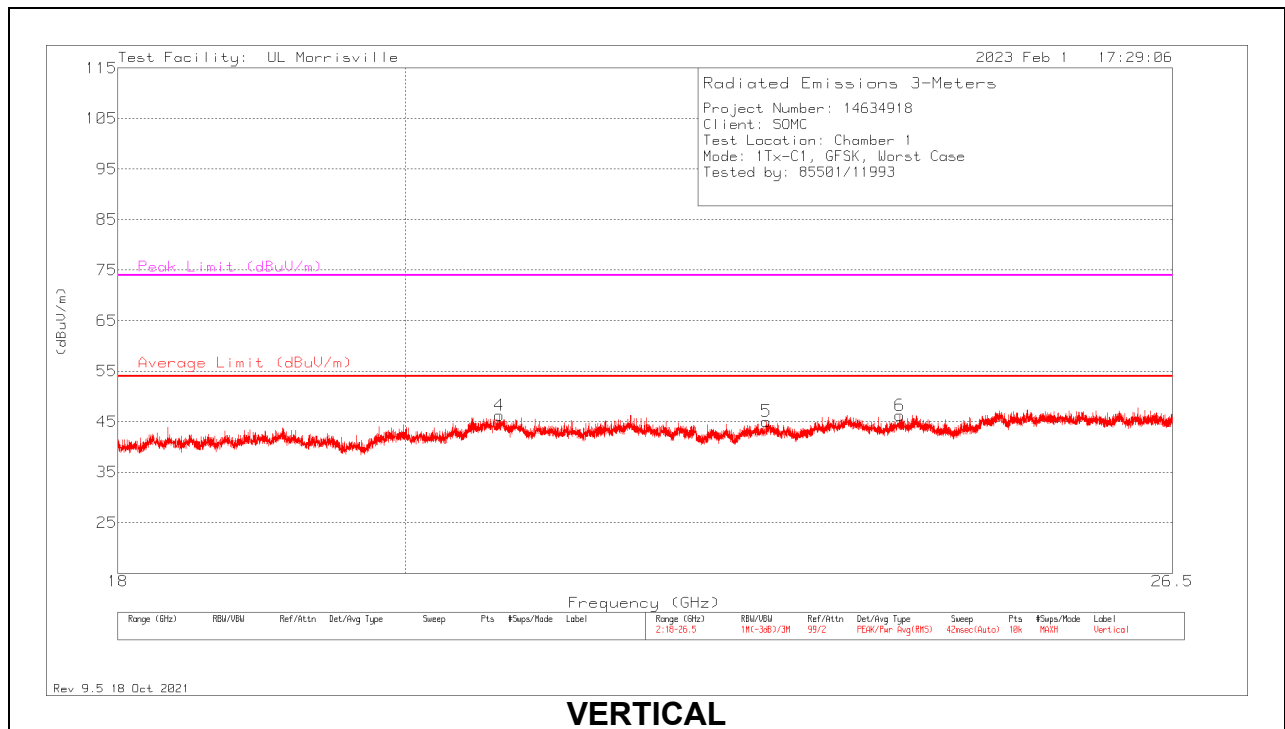
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

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



HORIZONTAL



VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.61094	51.04	Pk	34.1	-39.1	46.04	54	-7.96	74	-27.96	0-360	299	H
2	* ** 22.16883	50.31	Pk	34.5	-39.6	45.21	54	-8.79	74	-28.79	0-360	250	H
3	* ** 23.9613	49.04	Pk	35.1	-38.7	45.44	54	-8.56	74	-28.56	0-360	149	H
4	* ** 20.70358	51.4	Pk	34	-39.2	46.2	54	-7.8	74	-27.8	0-360	201	V
5	* ** 22.83517	49.97	Pk	34.4	-39.3	45.07	54	-8.93	74	-28.93	0-360	250	V
6	* ** 23.9783	49.82	Pk	35.1	-38.7	46.22	54	-7.78	74	-27.78	0-360	101	V

* - 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 C63.10

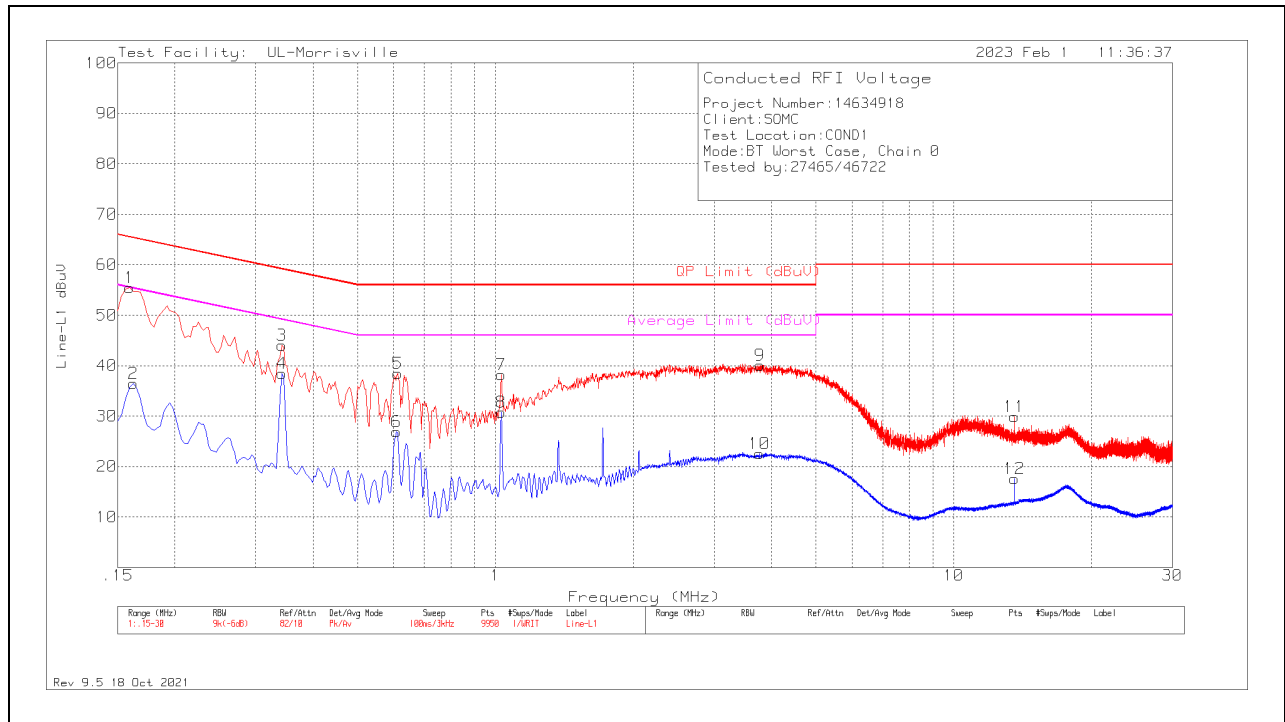
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

RESULTS

11.1.1. AC Power Line Norm – CHAIN 0

LINE 1 RESULTS

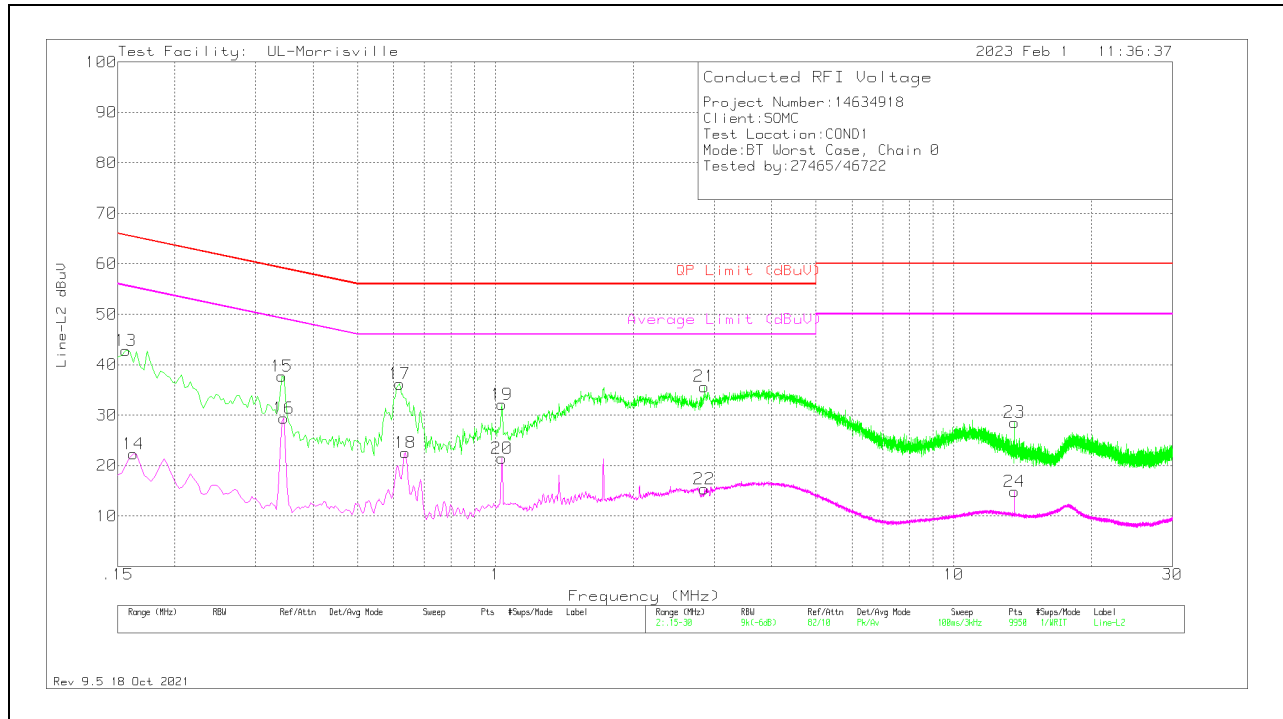


Range 1: Line-L1 .15 - 30MHz

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	.159	45.48	Pk	.2	9.8	55.48	65.52	-10.04	-	-
2	.162	26.45	Av	.2	9.8	36.45	-	-	55.36	-18.91
3	.342	34.11	Pk	.1	9.8	44.01	59.15	-15.14	-	-
4	.342	28.53	Av	.1	9.8	38.43	-	-	49.15	-10.72
5	.612	28.69	Pk	0	9.8	38.49	56	-17.51	-	-
6	.609	17.12	Av	0	9.8	26.92	-	-	46	-19.08
7	1.029	28.38	Pk	0	9.8	38.18	56	-17.82	-	-
8	1.029	20.92	Av	0	9.8	30.72	-	-	46	-15.28
9	3.774	30.13	Pk	0	9.9	40.03	56	-15.97	-	-
10	3.765	12.62	Av	0	9.9	22.52	-	-	46	-23.48
11	13.563	19.75	Pk	.1	10	29.85	60	-30.15	-	-
12	13.56	7.55	Av	.1	10	17.65	-	-	50	-32.35

Pk - Peak detector
 Av - Average detection

LINE 2 RESULTS



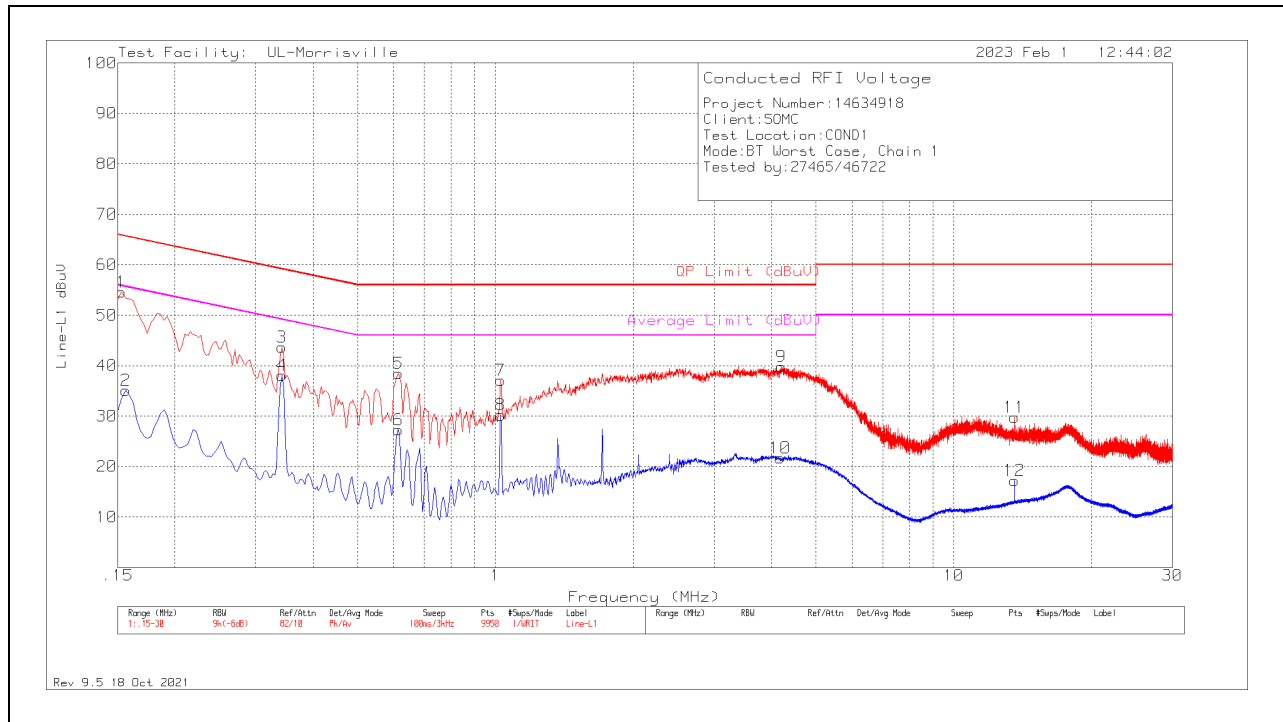
Range 2: Line-L2 .15 - 30MHz

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	.156	32.82	Pk	.2	9.8	42.82	65.67	-22.85	-	-
14	.162	12.26	Av	.2	9.8	22.26	-	-	55.36	-33.1
15	.342	27.83	Pk	.1	9.8	37.73	59.15	-21.42	-	-
16	.345	19.46	Av	.1	9.8	29.36	-	-	49.08	-19.72
17	.618	26.36	Pk	0	9.8	36.16	56	-19.84	-	-
18	.636	12.75	Av	0	9.8	22.55	-	-	46	-23.45
19	1.032	22.35	Pk	0	9.8	32.15	56	-23.85	-	-
20	1.032	11.66	Av	0	9.8	21.46	-	-	46	-24.54
21	2.856	25.86	Pk	0	9.8	35.66	56	-20.34	-	-
22	2.856	5.54	Av	0	9.8	15.34	-	-	46	-30.66
23	13.56	18.48	Pk	.1	10	28.58	60	-31.42	-	-
24	13.56	4.72	Av	.1	10	14.82	-	-	50	-35.18

Pk - Peak detector
 Av - Average detection

11.1.2. AC Power Line Norm – CHAIN 1

LINE 1 RESULTS

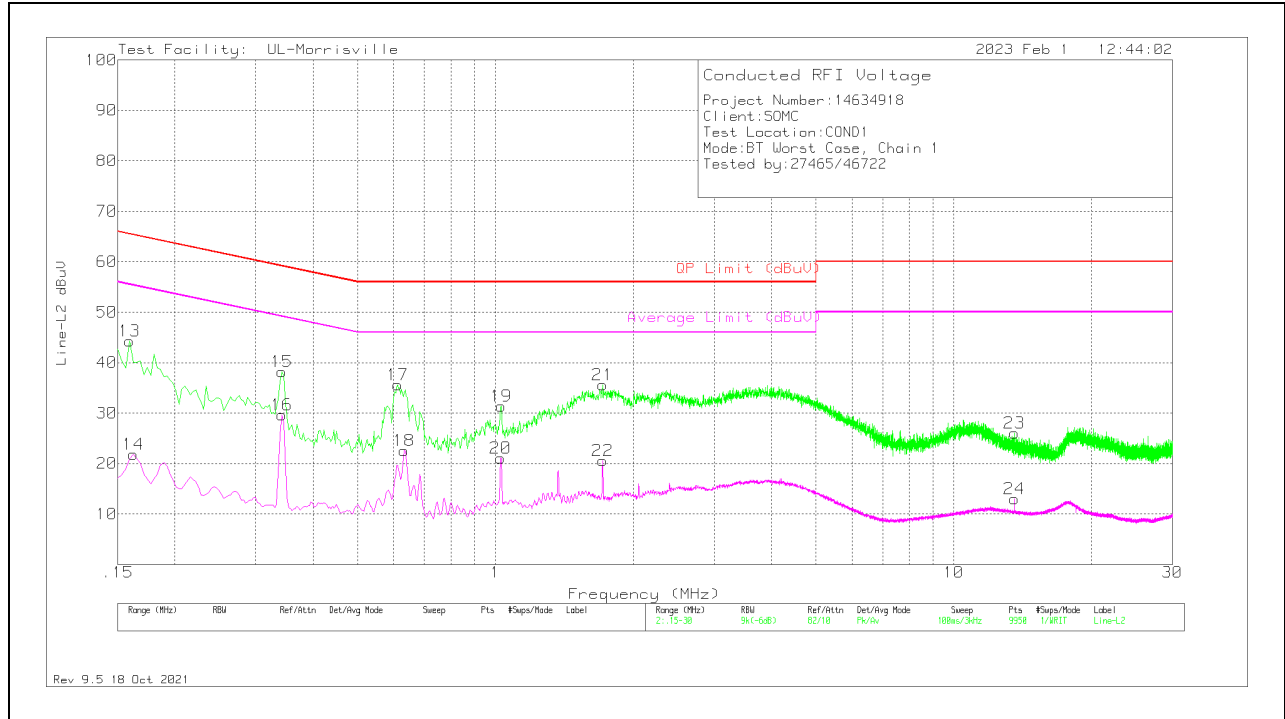


Range 1: Line-L1 .15 - 30MHz

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	44.54	Pk	.2	9.8	54.54	65.84	-11.3	-	-
2	.156	25.06	Av	.2	9.8	35.06	-	-	55.67	-20.61
3	.342	33.77	Pk	.1	9.8	43.67	59.15	-15.48	-	-
4	.342	28.2	Av	.1	9.8	38.1	-	-	49.15	-11.05
5	.615	28.62	Pk	0	9.8	38.42	56	-17.58	-	-
6	.615	17.46	Av	0	9.8	27.26	-	-	46	-18.74
7	1.026	27.28	Pk	0	9.8	37.08	56	-18.92	-	-
8	1.026	20.4	Av	0	9.8	30.2	-	-	46	-15.8
9	4.206	29.9	Pk	0	9.9	39.8	56	-16.2	-	-
10	4.179	11.84	Av	0	9.9	21.74	-	-	46	-24.26
11	13.563	19.65	Pk	.1	10	29.75	60	-30.25	-	-
12	13.56	7.14	Av	.1	10	17.24	-	-	50	-32.76

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	.159	34.26	Pk	.2	9.8	44.26	65.52	-21.26	-	-
14	.162	11.78	Av	.2	9.8	21.78	-	-	55.36	-33.58
15	.342	28.35	Pk	.1	9.8	38.25	59.15	-20.9	-	-
16	.342	19.74	Av	.1	9.8	29.64	-	-	49.15	-19.51
17	.612	25.81	Pk	0	9.8	35.61	56	-20.39	-	-
18	.633	12.78	Av	0	9.8	22.58	-	-	46	-23.42
19	1.029	21.56	Pk	0	9.8	31.36	56	-24.64	-	-
20	1.026	11.3	Av	0	9.8	21.1	-	-	46	-24.9
21	1.716	25.79	Pk	0	9.8	35.59	56	-20.41	-	-
22	1.713	10.76	Av	0	9.8	20.56	-	-	46	-25.44
23	13.56	15.9	Pk	.1	10	26	60	-34	-	-
24	13.56	2.9	Av	.1	10	13	-	-	50	-37

Pk - Peak detector
 Av - Average detection

12. SETUP PHOTOS

Please refer to R14634918-EP2 for setup photos

END OF TEST REPORT