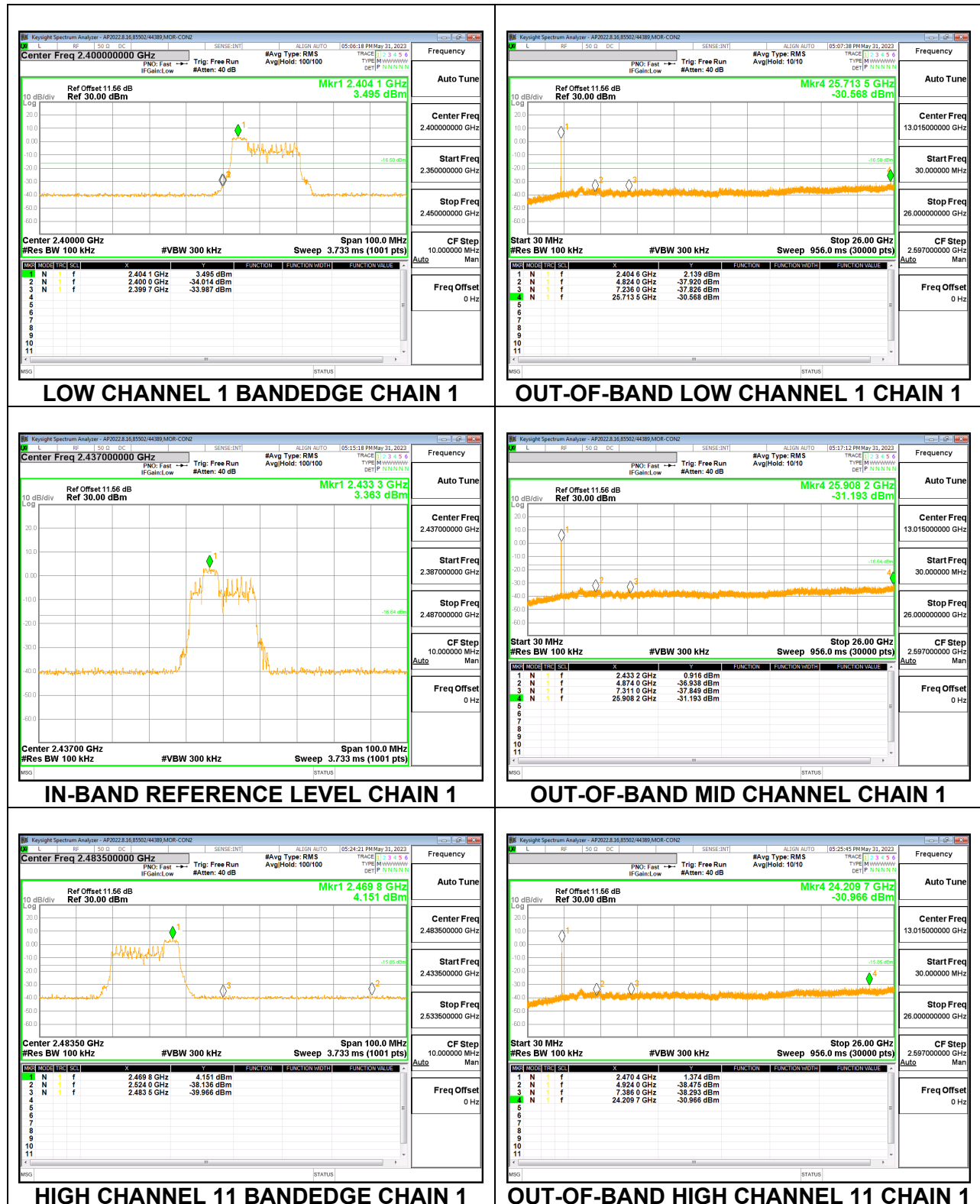
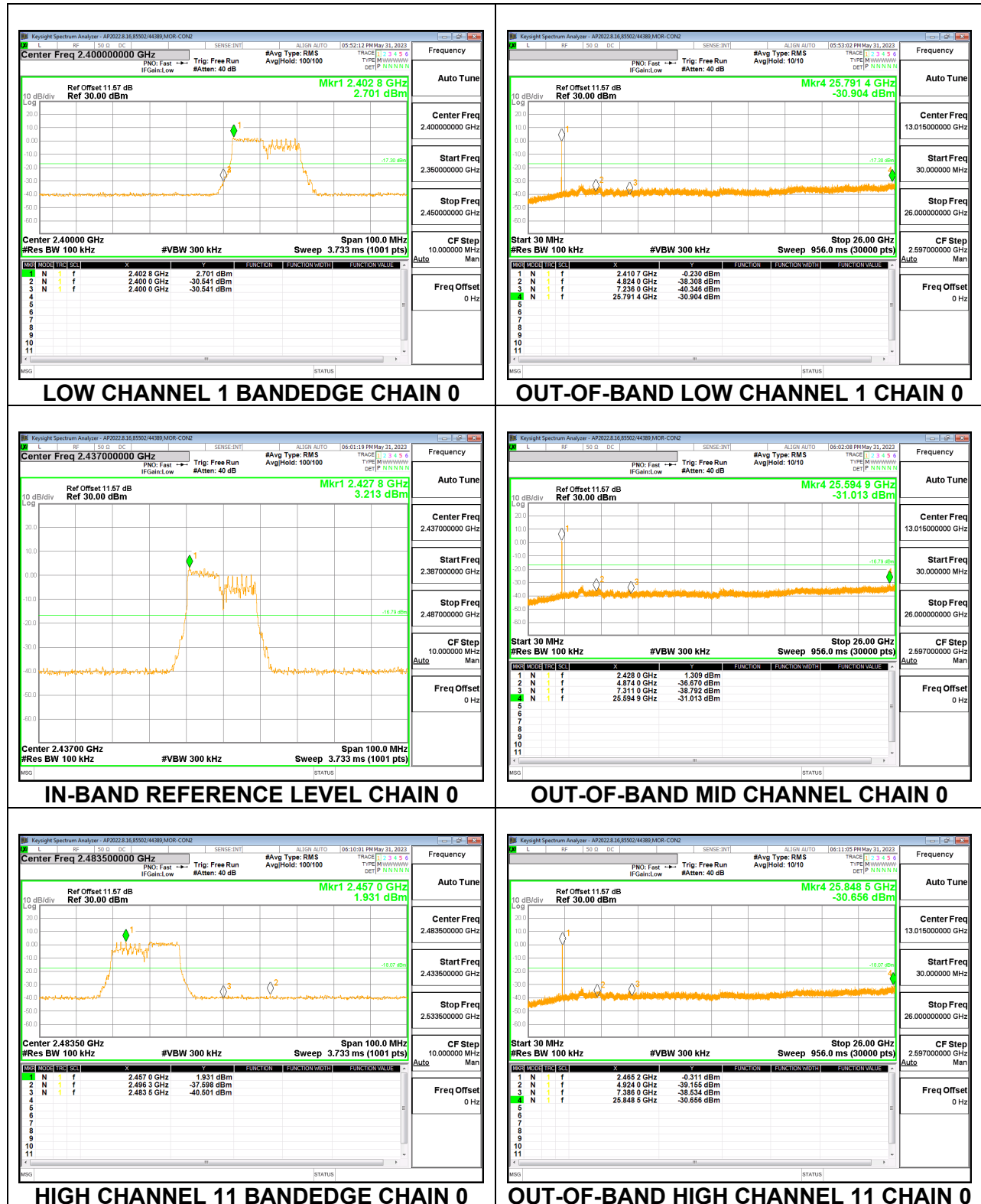
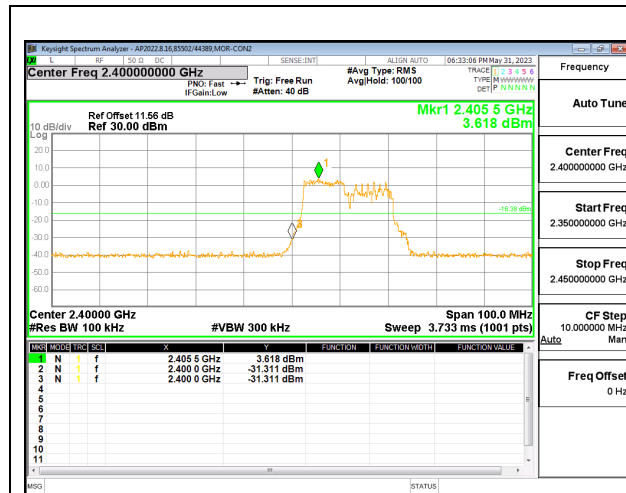


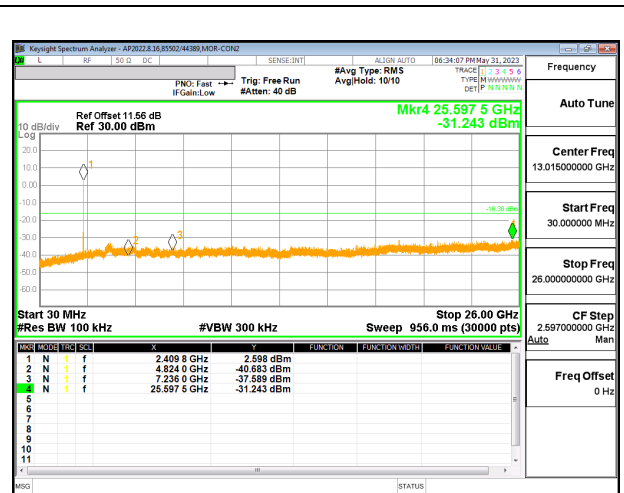


2TX CHAIN 0 + CHAIN 1 CDD OFDMA MODE: 106T

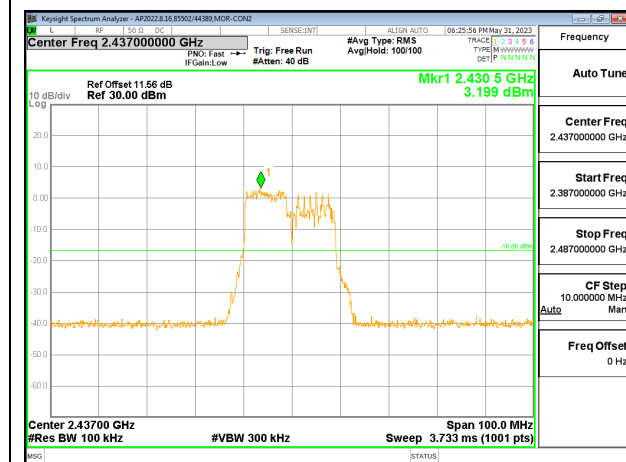




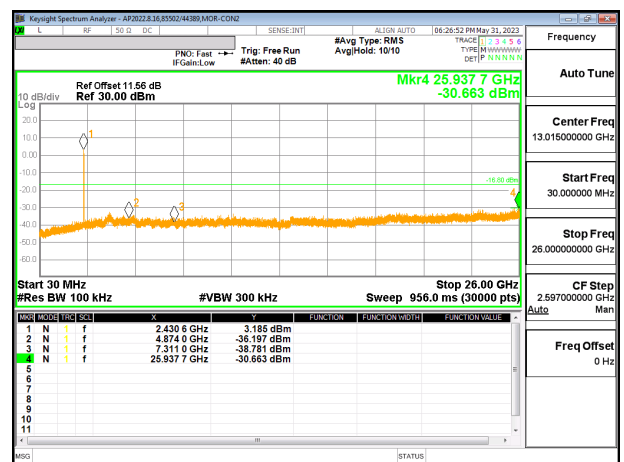
LOW CHANNEL 1 BANDEDGE CHAIN 1



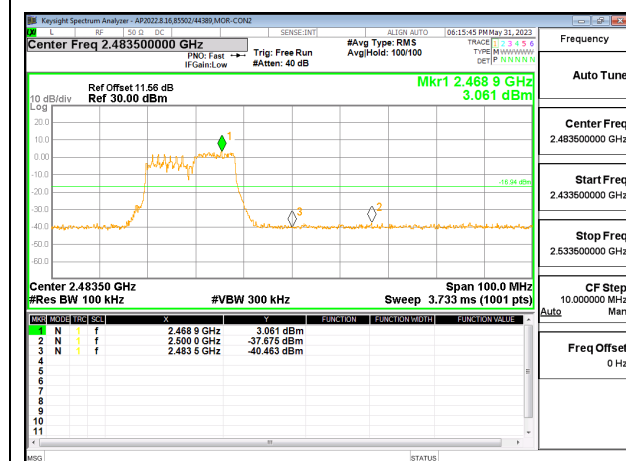
OUT-OF-BAND LOW CHANNEL 1 CHAIN 1



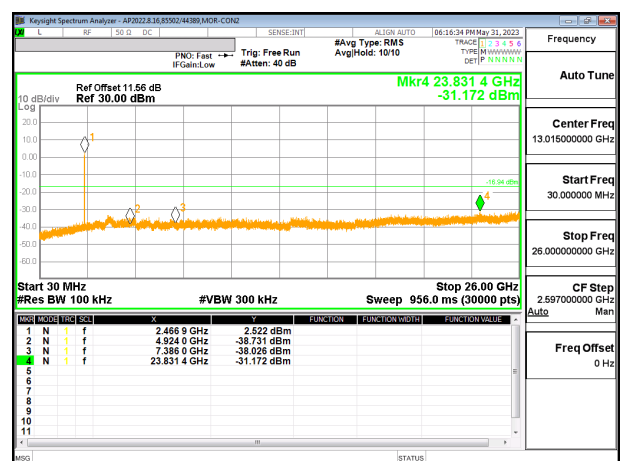
IN-BAND REFERENCE LEVEL CHAIN 1



OUT-OF-BAND MID CHANNEL CHAIN 1

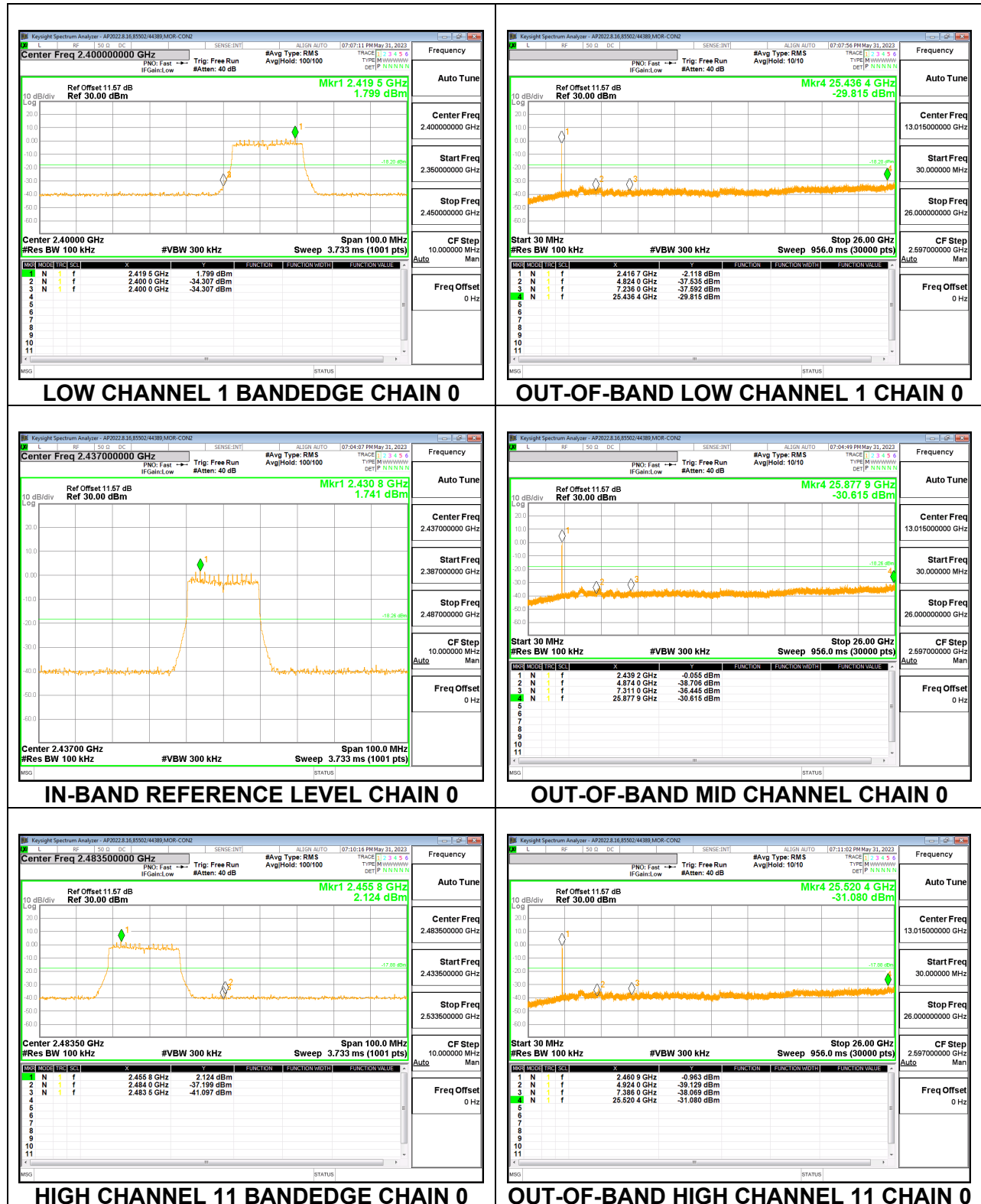


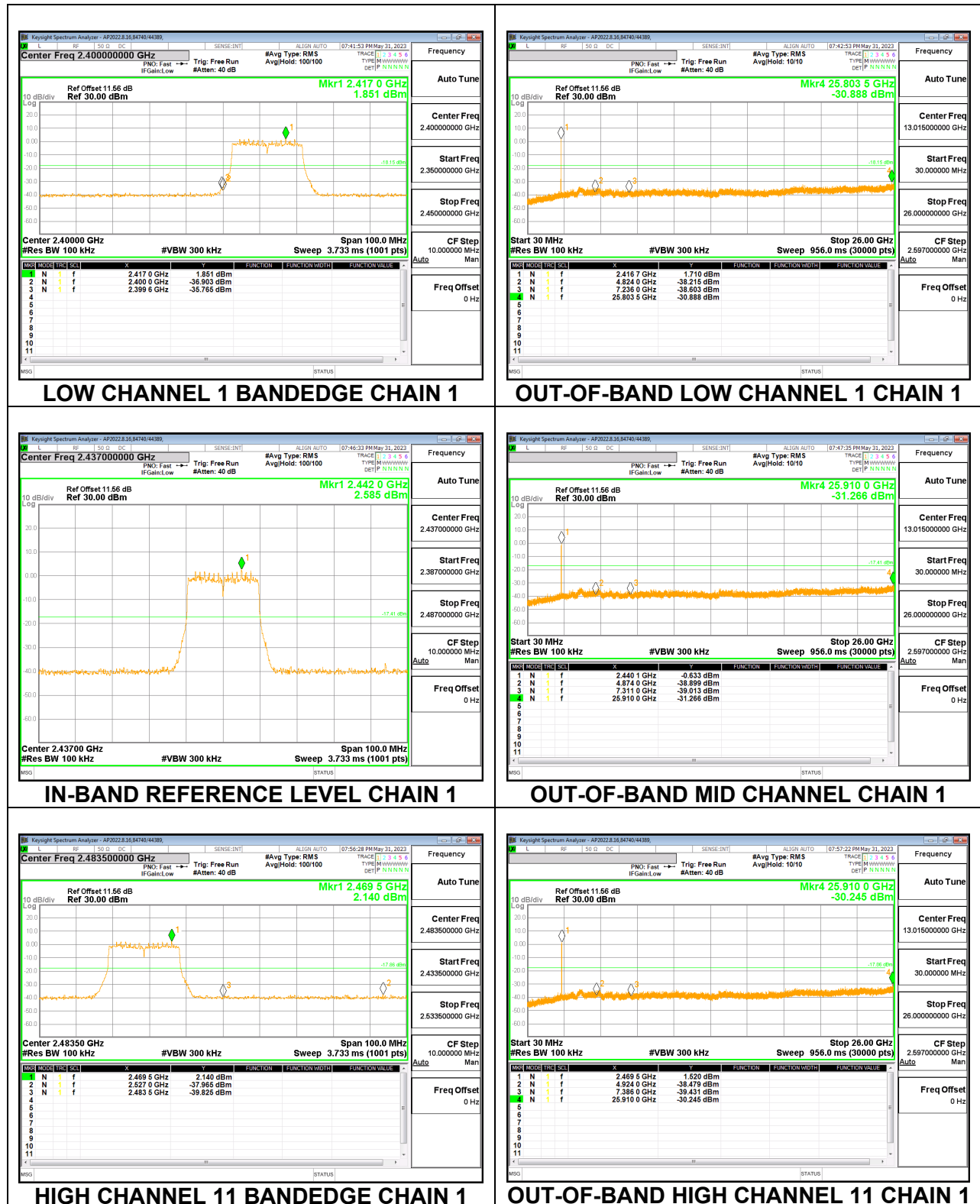
HIGH CHANNEL 11 BANDEDGE CHAIN 1



OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1

2TX CHAIN 0 + CHAIN 1 CDD OFDMA MODE: 242T





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 3 MHz 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 linear voltage averaging 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 power spectral density 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).

Based 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.

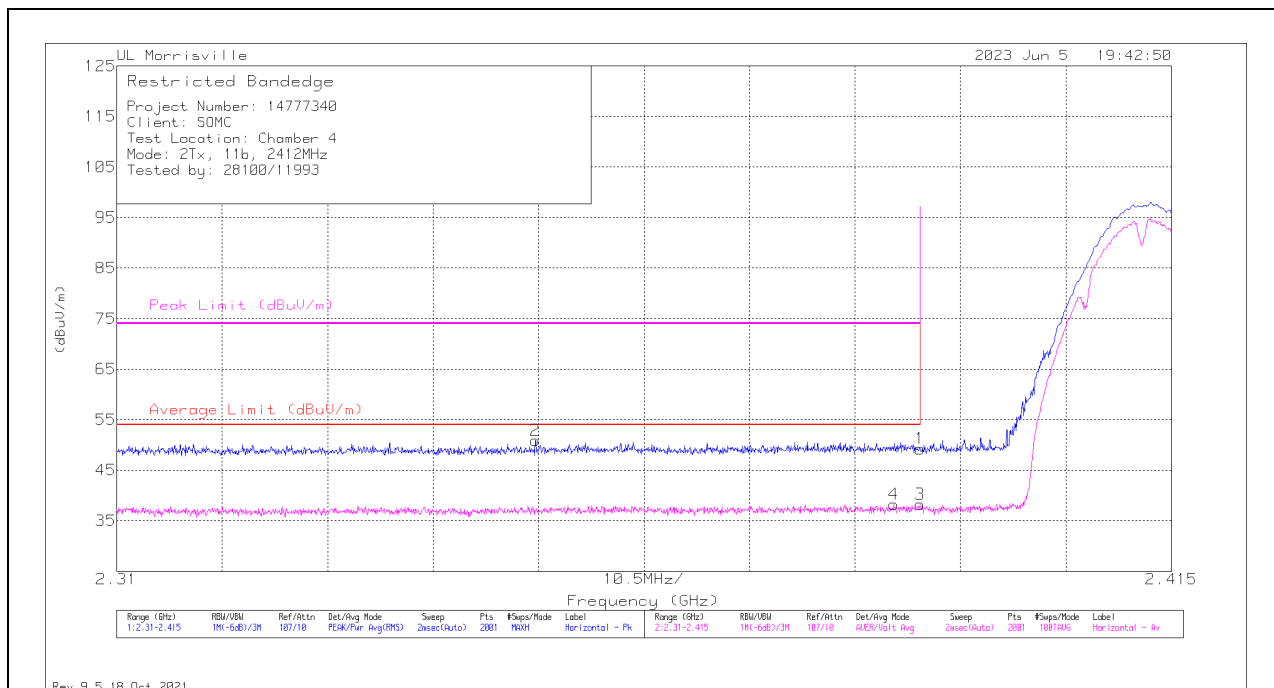
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	30.44	Pk	32	-13.2	49.24	-	-	74	-24.76	37	395	H
2	* ** 2.35169	32.16	Pk	31.8	-13	50.96	-	-	74	-23.04	37	395	H
3	* ** 2.38996	19.42	ADV	32	-13.2	38.22	54	-15.78	-	-	37	395	H
4	* ** 2.38733	19.35	ADV	32	-13.1	38.25	54	-15.75	-	-	37	395	H

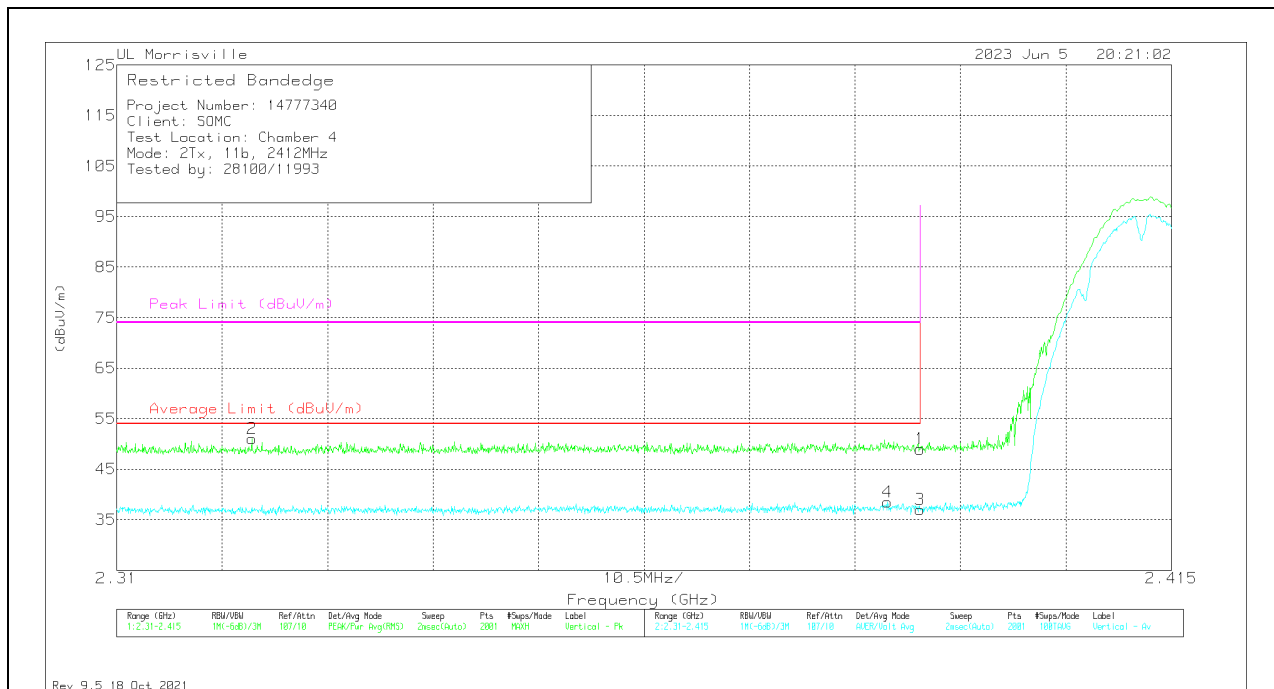
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	30.19	Pk	32	-13.2	48.99	-	-	74	-25.01	118	150	V
2	* ** 2.32344	32.34	Pk	32	-13.3	51.04	-	-	74	-22.96	118	150	V
3	* ** 2.38996	18.21	ADV	32	-13.2	37.01	54	-16.99	-	-	118	150	V
4	* ** 2.38676	19.54	ADV	32	-13.1	38.44	54	-15.56	-	-	118	150	V

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

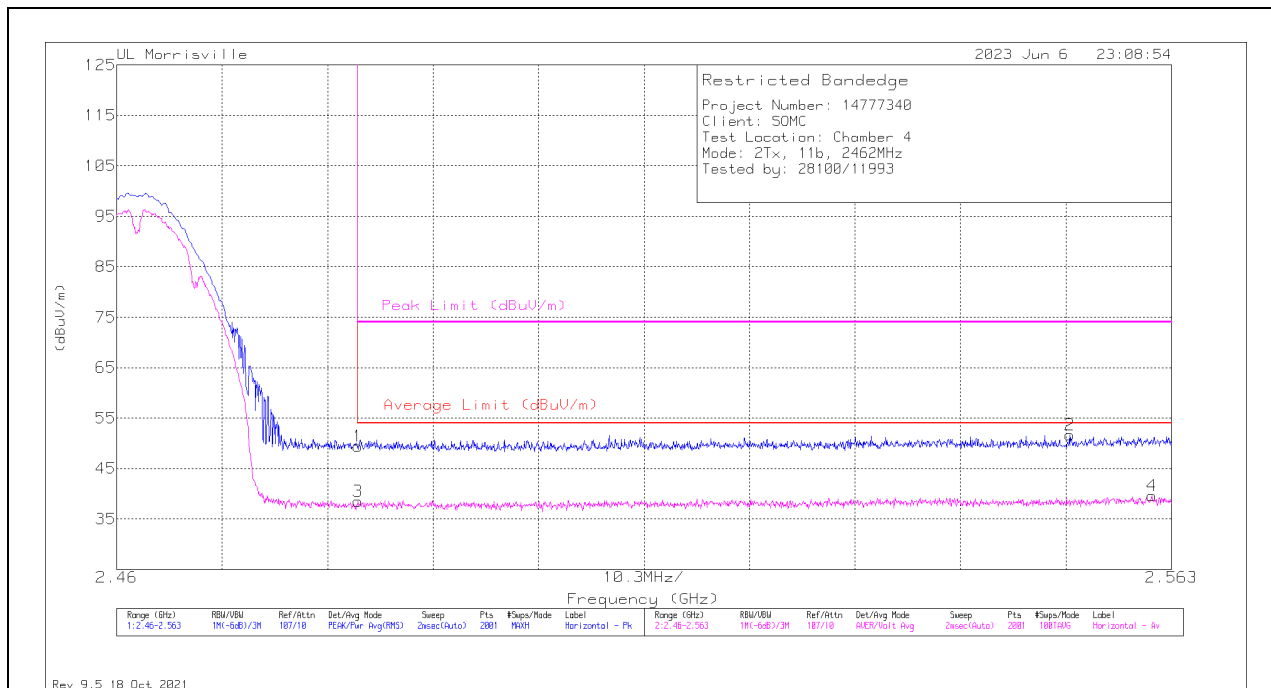
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	30.05	Pk	32.3	-12.9	49.45	-	-	74	-24.55	20	346	H
2	** 2.55306	32.31	Pk	32.4	-13	51.71	-	-	74	-22.29	20	346	H
3	* ** 2.48354	19.09	ADV	32.3	-12.9	38.49	54	-15.51	-	-	20	346	H
4	** 2.56109	19.91	ADV	32.5	-12.8	39.61	54	-14.39	-	-	20	346	H

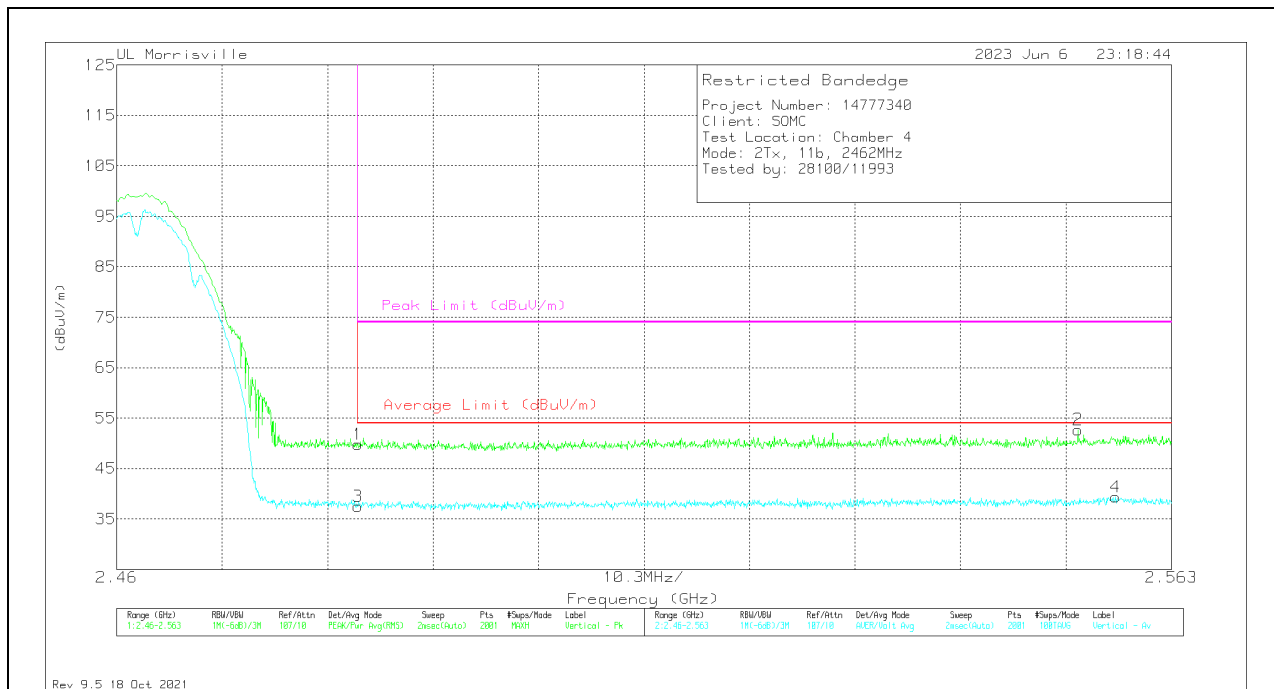
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	30.44	Pk	32.3	-12.9	49.84	-	-	74	-24.16	133	225	V
2	** 2.55388	33.31	Pk	32.4	-13	52.71	-	-	74	-21.29	133	225	V
3	* ** 2.48354	18.05	ADV	32.3	-12.9	37.45	54	-16.55	-	-	133	225	V
4	** 2.55754	19.62	ADV	32.5	-12.7	39.42	54	-14.58	-	-	133	225	V

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

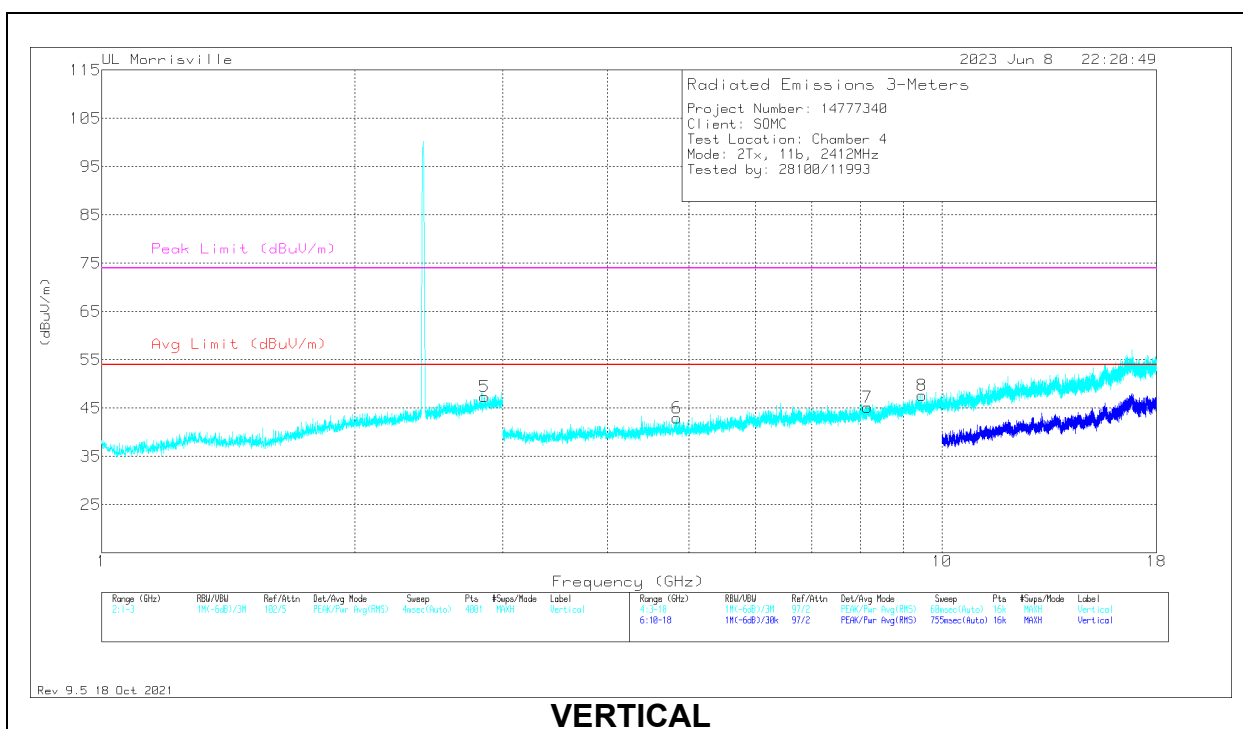
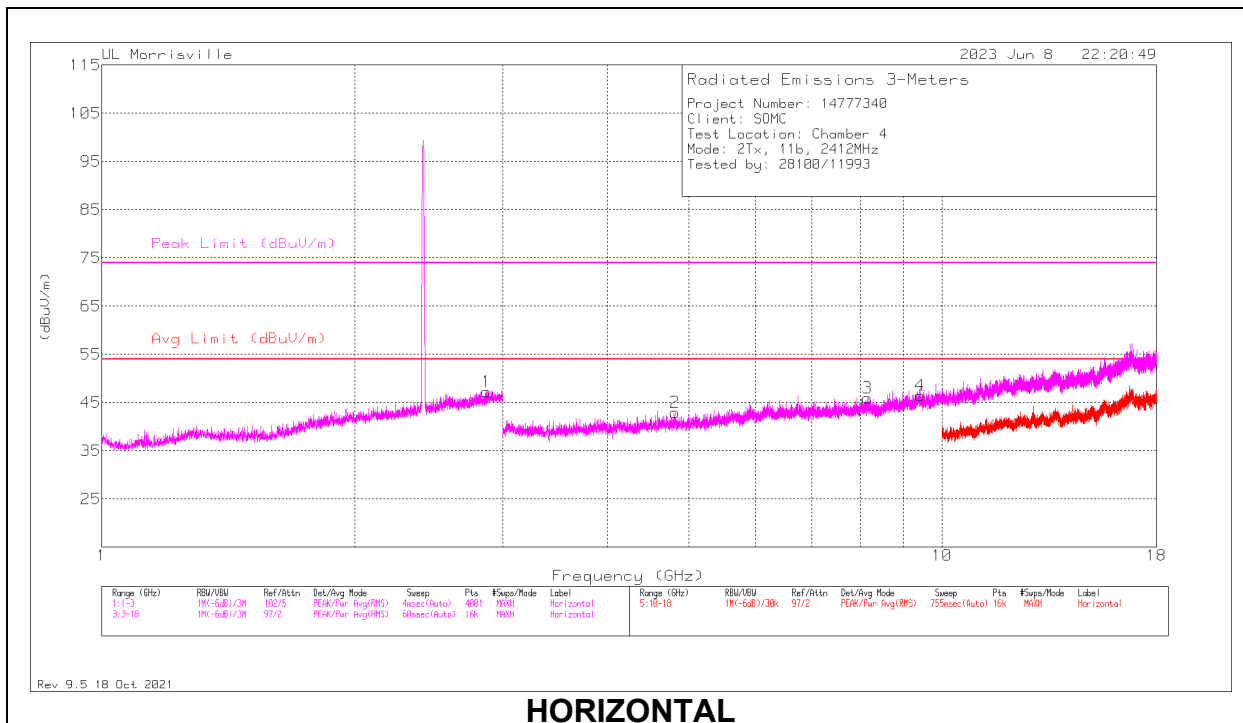
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

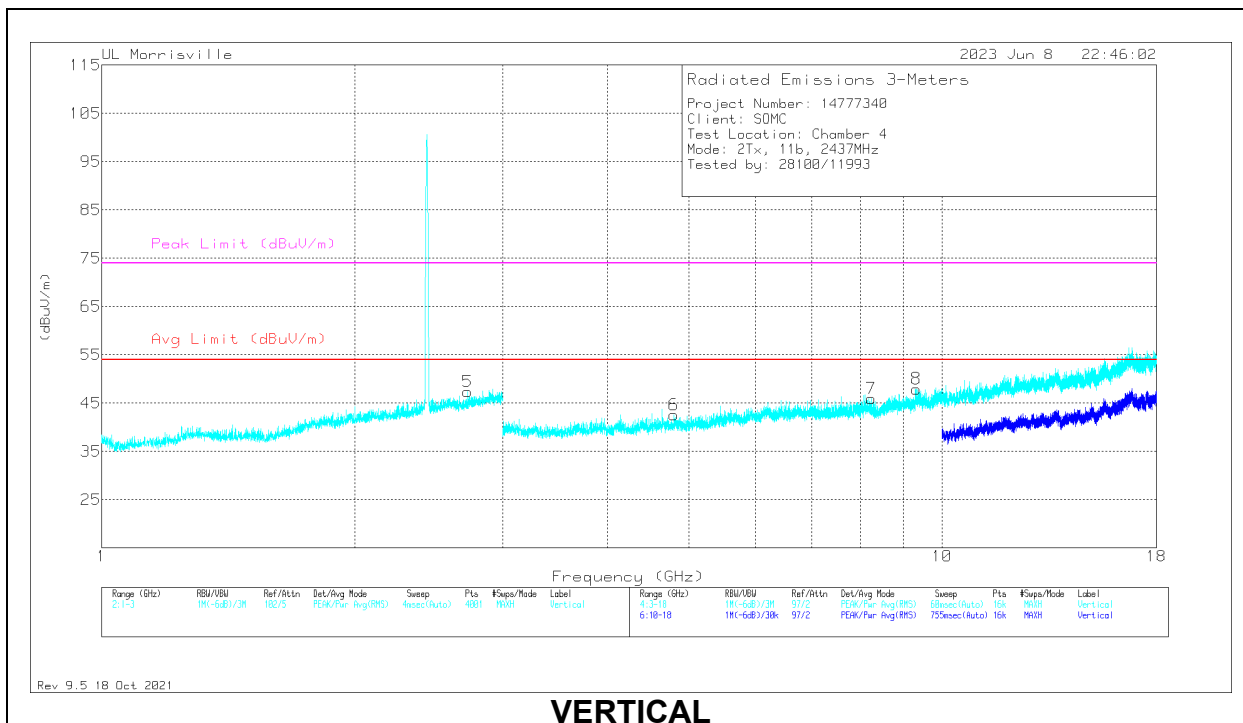
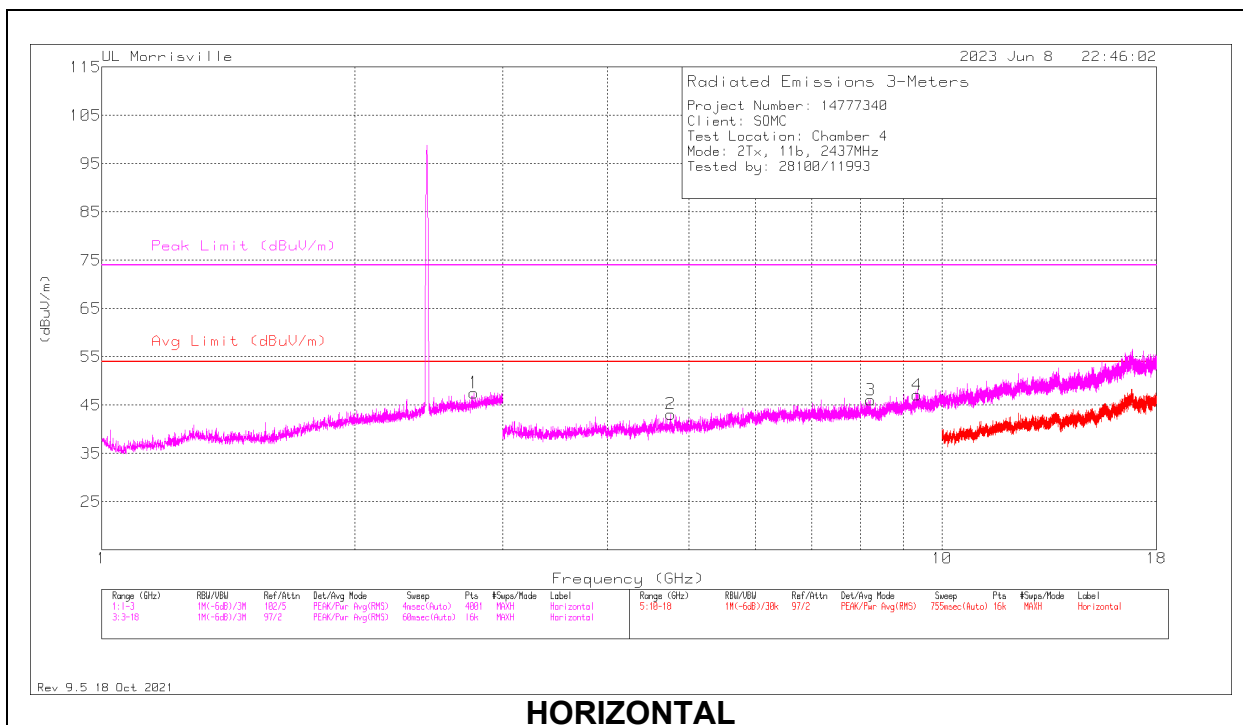
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.868	27.01	Pk	32.4	-12.1	47.31	54	-6.69	74	-26.69	0-360	100	H
5	*** 2.8575	27.13	Pk	32.4	-12.1	47.43	54	-6.57	74	-26.57	0-360	200	V
2	*** 4.815	40.26	Pk	34.1	-31.4	42.96	54	-11.04	74	-31.04	0-360	100	H
3	*** 8.15531	37.06	Pk	35.8	-26.9	45.96	54	-8.04	74	-28.04	0-360	100	H
4	*** 9.4275	35.38	Pk	36.7	-25.6	46.48	54	-7.52	74	-27.52	0-360	100	H
6	*** 4.83375	40.41	Pk	34.1	-31.5	43.01	54	-10.99	74	-30.99	0-360	200	V
7	*** 8.1525	36.5	Pk	35.8	-27.1	45.2	54	-8.8	74	-28.8	0-360	200	V
8	*** 9.47438	36.61	Pk	36.7	-25.7	47.61	54	-6.39	74	-26.39	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, CH 6 RESULTS



RADIATED EMISSIONS

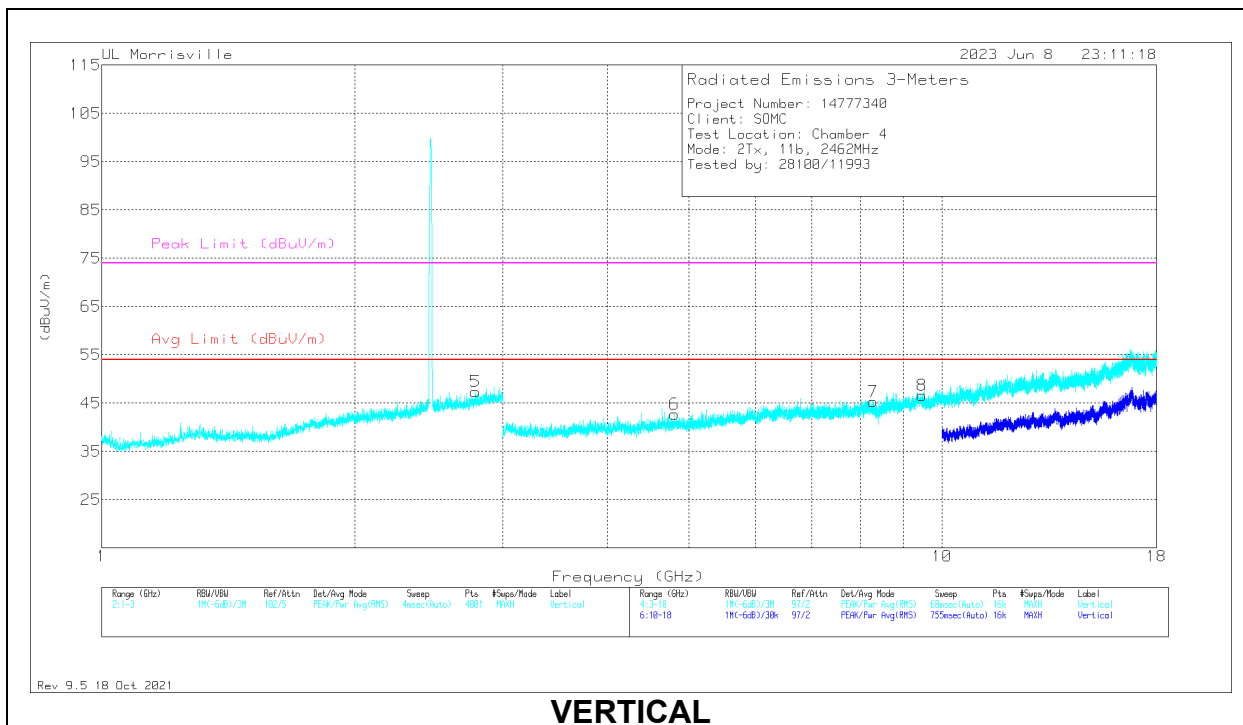
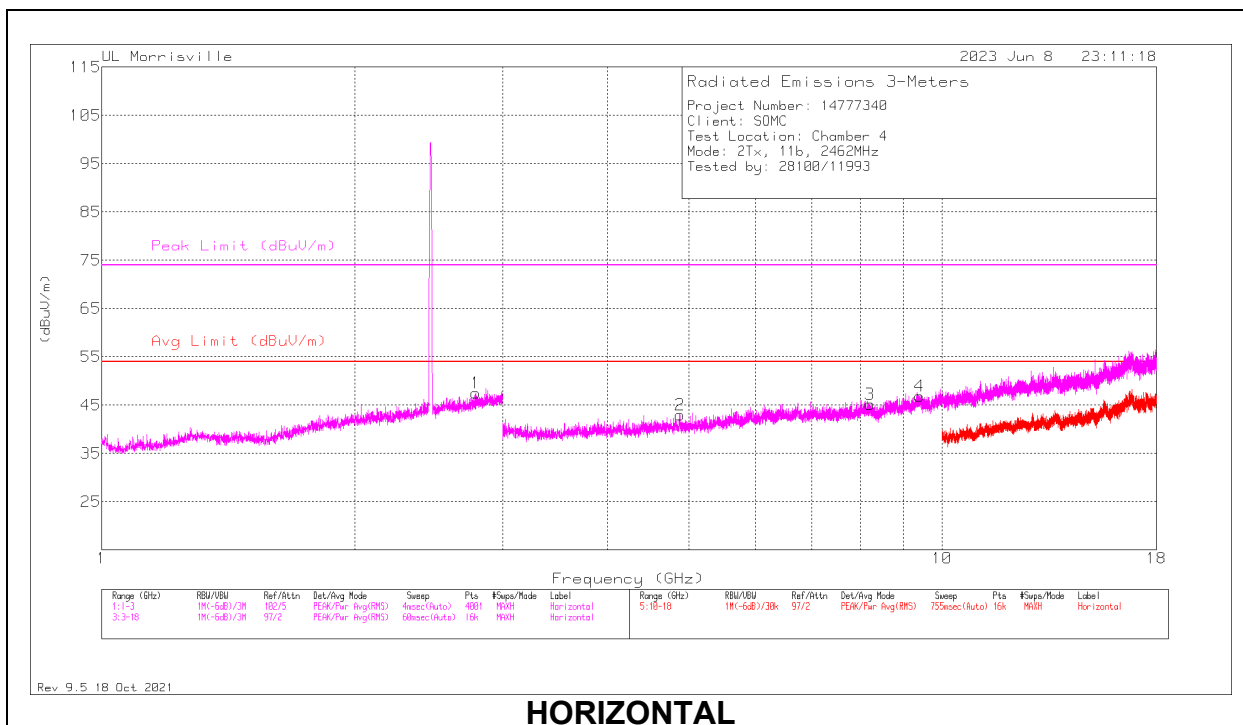
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.773	27.48	Pk	32.5	-12.4	47.58	54	-6.42	74	-26.42	0-360	100	H
5	*** 2.725	27.54	Pk	32.4	-12.6	47.34	54	-6.66	74	-26.66	0-360	200	V
2	*** 4.75594	40.77	Pk	34	-31.6	43.17	54	-10.83	74	-30.83	0-360	100	H
3	*** 8.2275	37.04	Pk	35.8	-26.7	46.14	54	-7.86	74	-27.86	0-360	100	H
4	*** 9.34125	35.67	Pk	36.5	-25.1	47.07	54	-6.93	74	-26.93	0-360	100	H
6	*** 4.79438	40.2	Pk	34.1	-31.7	42.6	54	-11.4	74	-31.4	0-360	200	V
7	*** 8.235	37.01	Pk	35.8	-26.8	46.01	54	-7.99	74	-27.99	0-360	200	V
8	*** 9.31688	36.67	Pk	36.4	-25.1	47.97	54	-6.03	74	-26.03	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

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	* ** 2.7895	27.33	Pk	32.6	-12.4	47.53	54	-6.47	74	-26.47	0-360	100	H
5	* ** 2.785	27.24	Pk	32.6	-12.5	47.34	54	-6.66	74	-26.66	0-360	200	V
2	* ** 4.88156	40.41	Pk	34	-31.4	43.01	54	-10.99	74	-30.99	0-360	100	H
3	* ** 8.205	36.12	Pk	35.8	-26.7	45.22	54	-8.78	74	-28.78	0-360	100	H
4	* ** 9.40594	36.01	Pk	36.6	-25.8	46.81	54	-7.19	74	-27.19	0-360	100	H
6	* ** 4.80656	40.11	Pk	34.1	-31.5	42.71	54	-11.29	74	-31.29	0-360	200	V
7	* ** 8.28469	36.08	Pk	35.8	-26.6	45.28	54	-8.72	74	-28.72	0-360	200	V
8	* ** 9.47438	35.66	Pk	36.7	-25.7	46.66	54	-7.34	74	-27.34	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

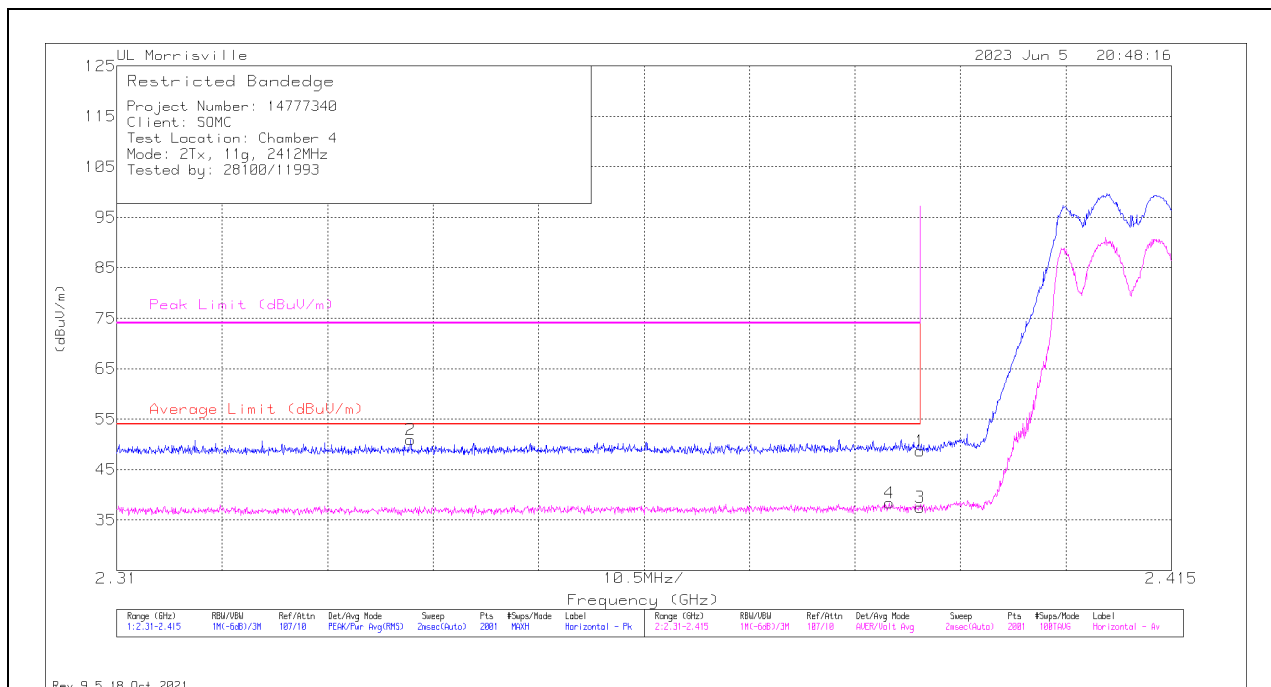
Pk - Peak detector

10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	29.86	Pk	32	-13.2	48.66	-	-	74	-25.34	1	253	H
2	*** 2.33924	32.21	Pk	31.9	-13.2	50.91	-	-	74	-23.09	1	253	H
3	*** 2.38996	18.65	ADV	32	-13.2	37.45	54	-16.55	-	-	1	253	H
4	*** 2.38691	19.46	ADV	32	-13.1	38.36	54	-15.64	-	-	1	253	H

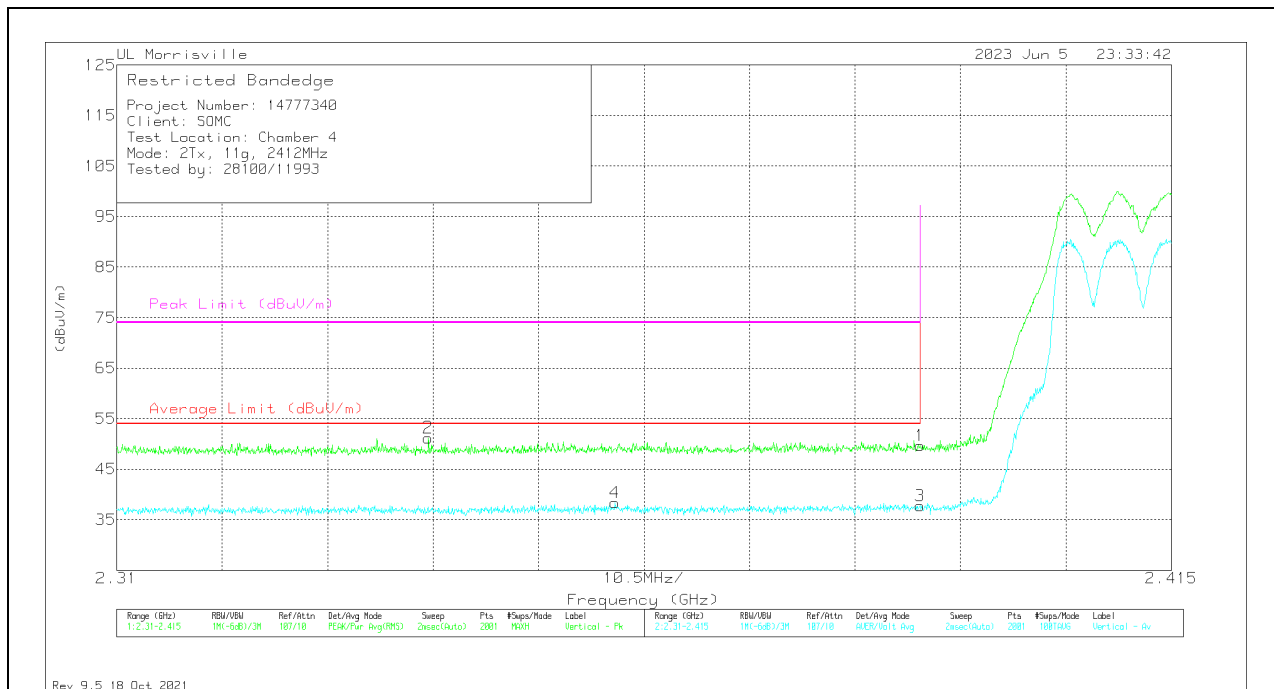
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	30.86	Pk	32	-13.2	49.66	-	-	74	-24.34	45	357	V
2	* ** 2.34103	32.52	Pk	31.9	-13.2	51.22	-	-	74	-22.78	45	357	V
3	* ** 2.38996	18.94	ADV	32	-13.2	37.74	54	-16.26	-	-	45	357	V
4	* ** 2.35961	19.44	ADV	31.9	-13	38.34	54	-15.66	-	-	45	357	V

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

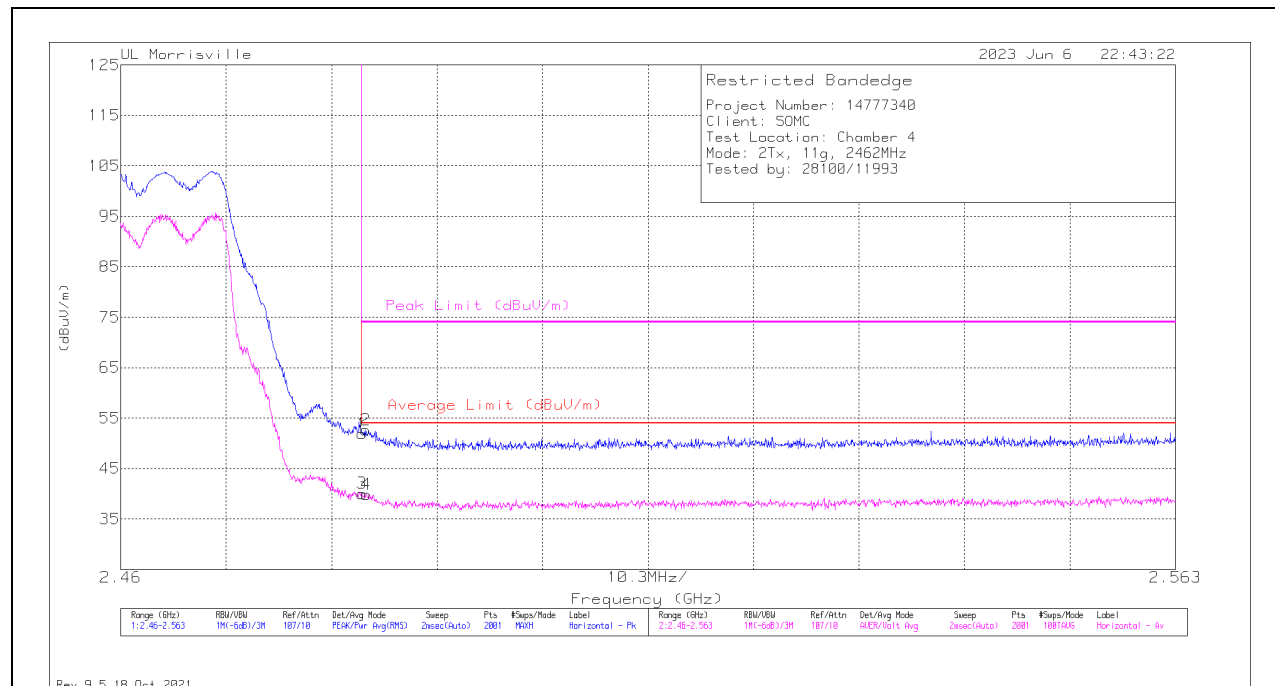
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	32.47	Pk	32.3	-12.9	51.87	-	-	74	-22.13	49	275	H
2	** 2.48395	33.29	Pk	32.3	-12.9	52.69	-	-	74	-21.31	49	275	H
3	*** 2.48354	20.65	ADV	32.3	-12.9	40.05	54	-13.95	-	-	49	275	H
4	*** 2.484	20.48	ADV	32.3	-12.9	39.88	54	-14.12	-	-	49	275	H

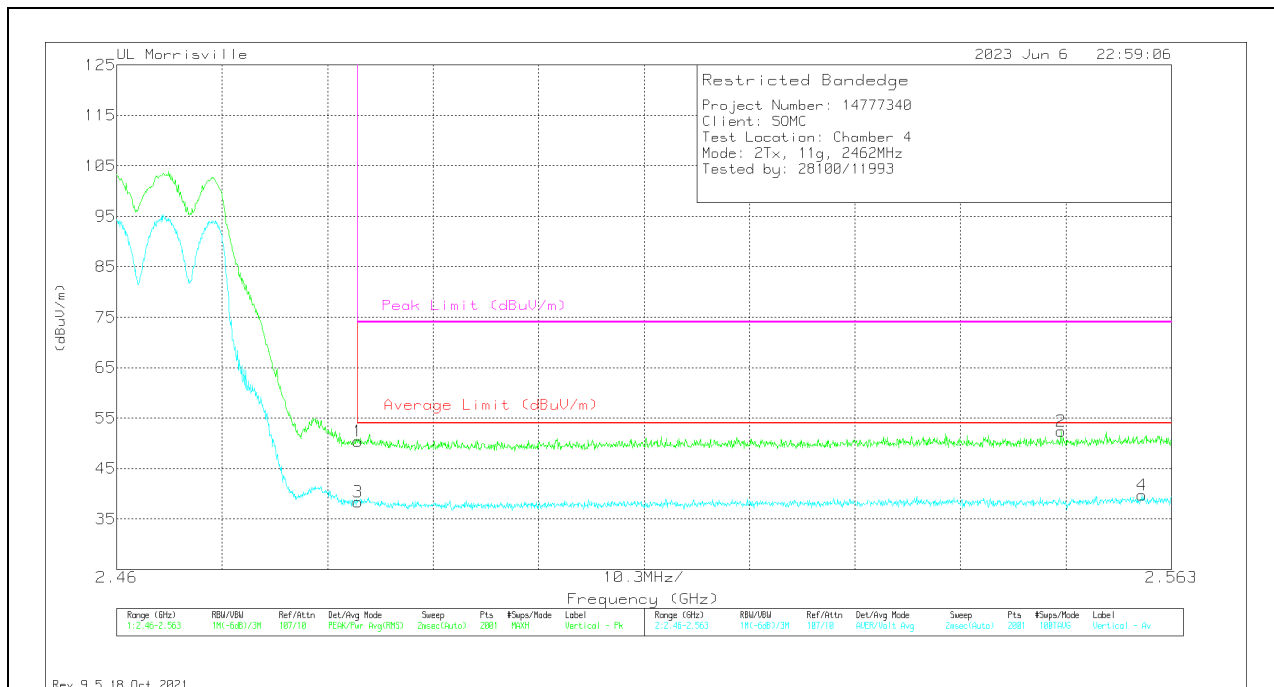
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	30.96	Pk	32.3	-12.9	50.36	-	-	74	-23.64	349	352	V
2	** 2.55224	33.03	Pk	32.4	-13	52.43	-	-	74	-21.57	349	352	V
3	* ** 2.48354	18.97	ADV	32.3	-12.9	38.37	54	-15.63	-	-	349	352	V
4	** 2.56012	20.06	ADV	32.5	-12.8	39.76	54	-14.24	-	-	349	352	V

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

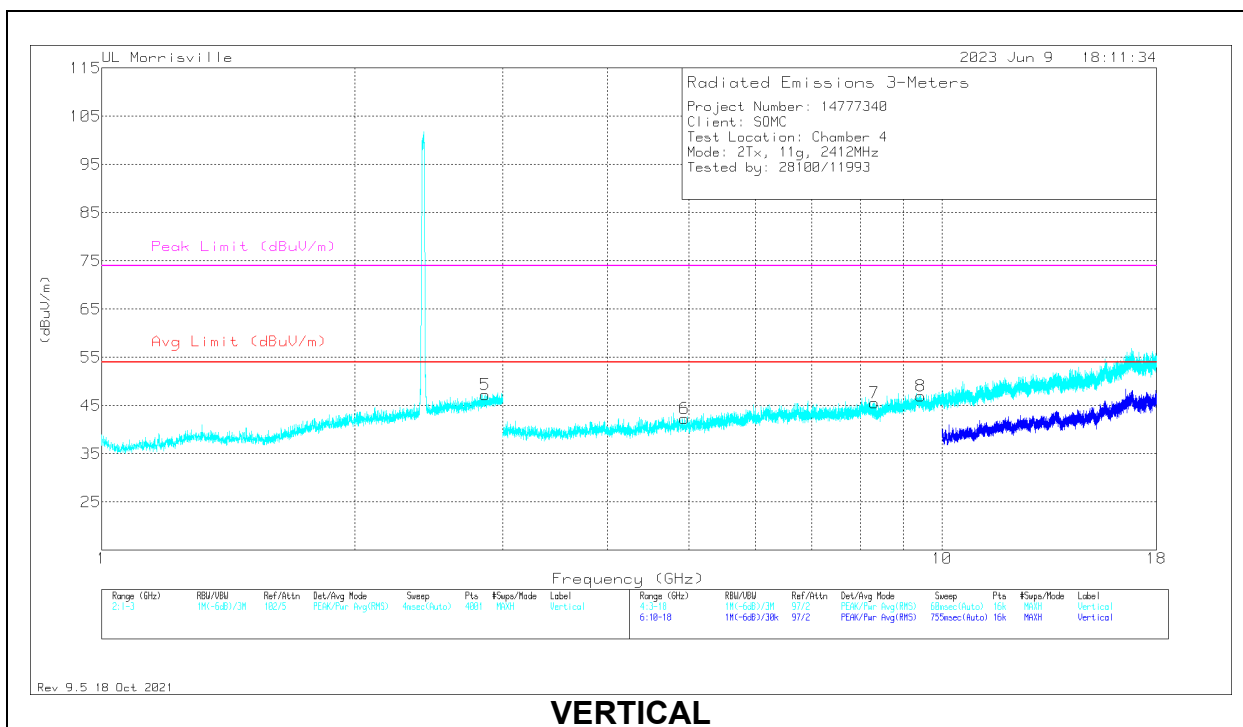
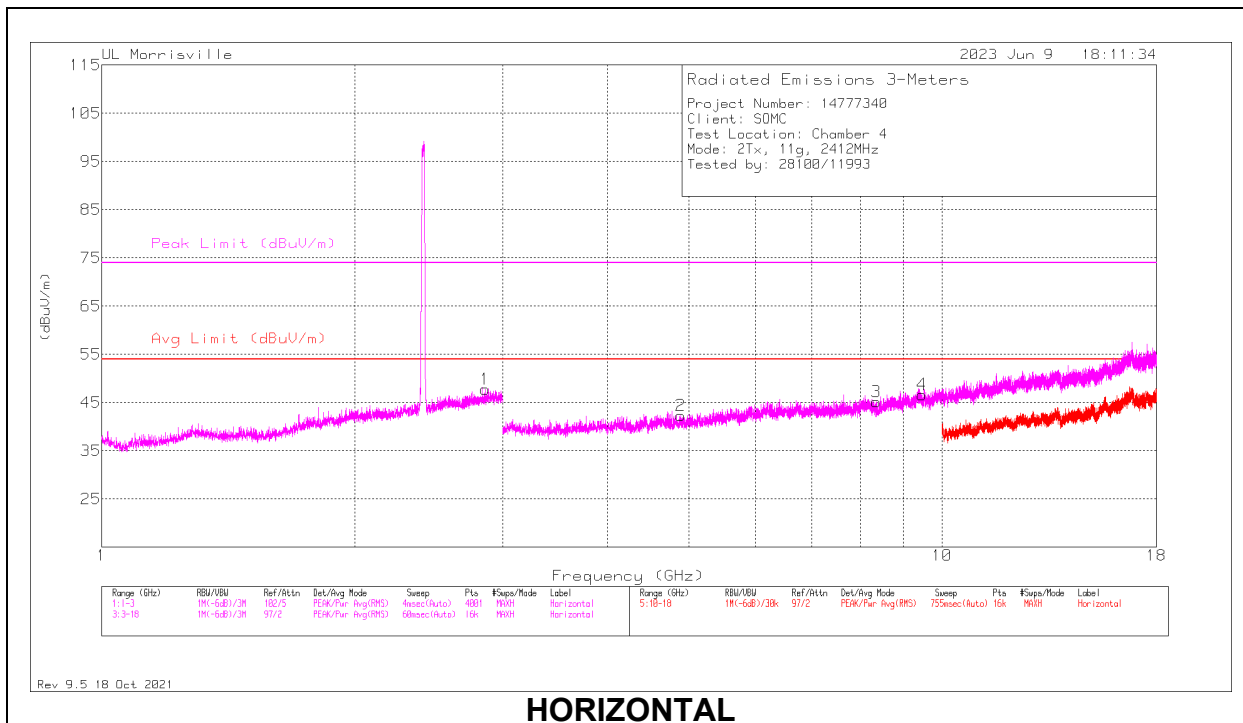
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

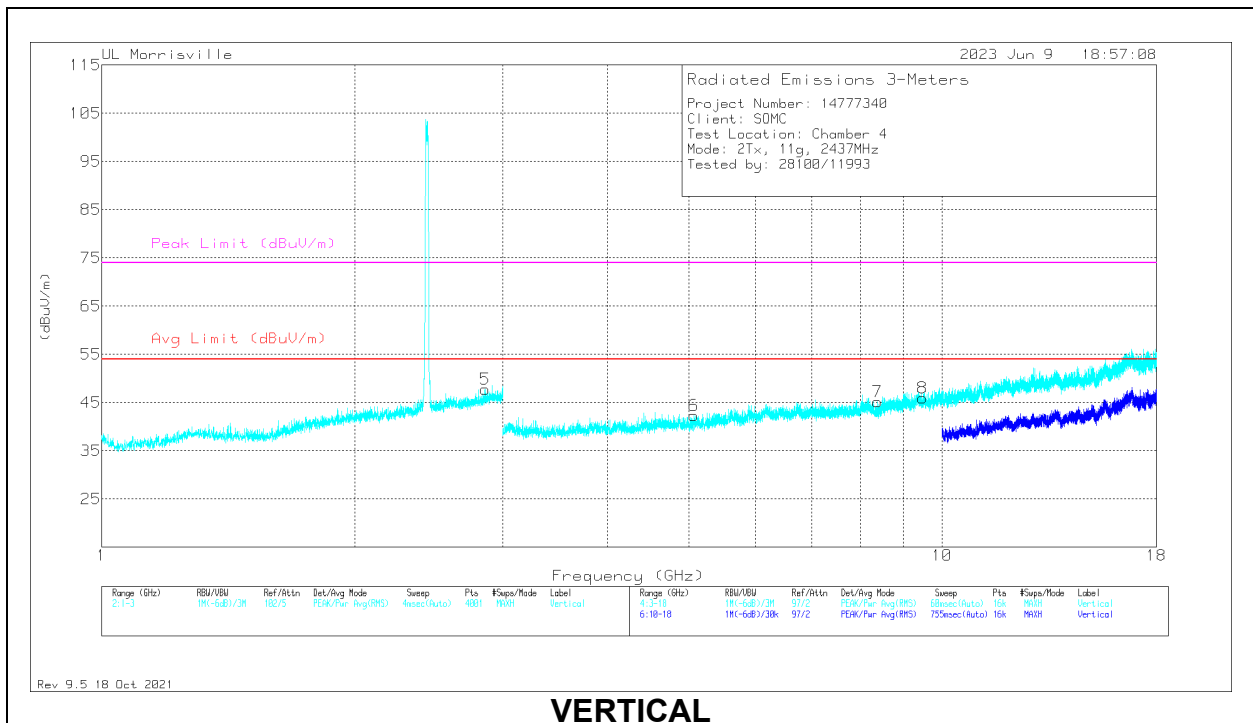
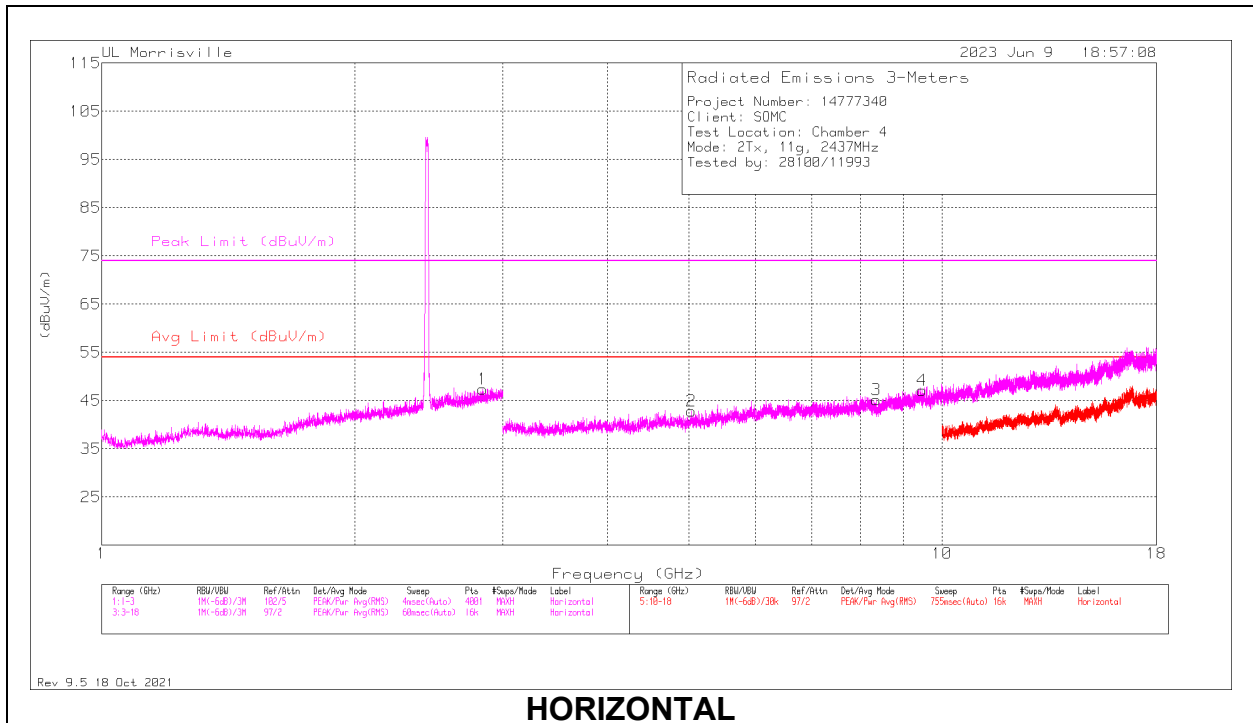
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.8615	27.44	Pk	32.4	-12.1	47.74	54	-6.26	74	-26.26	0-360	100	H
5	* ** 2.8625	27.01	Pk	32.4	-12.2	47.21	54	-6.79	74	-26.79	0-360	200	V
2	* ** 4.88906	39.74	Pk	34	-31.4	42.34	54	-11.66	74	-31.66	0-360	100	H
3	* ** 8.34656	35.88	Pk	35.8	-26.5	45.18	54	-8.82	74	-28.82	0-360	100	H
4	* ** 9.47344	35.57	Pk	36.7	-25.6	46.67	54	-7.33	74	-27.33	0-360	100	H
6	* ** 4.94156	39.36	Pk	33.9	-30.9	42.36	54	-11.64	74	-31.64	0-360	200	V
7	* ** 8.30438	36.91	Pk	35.8	-27.1	45.61	54	-8.39	74	-28.39	0-360	200	V
8	* ** 9.43781	35.92	Pk	36.7	-25.6	47.02	54	-6.98	74	-26.98	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, CH 6 RESULTS



RADIATED EMISSIONS

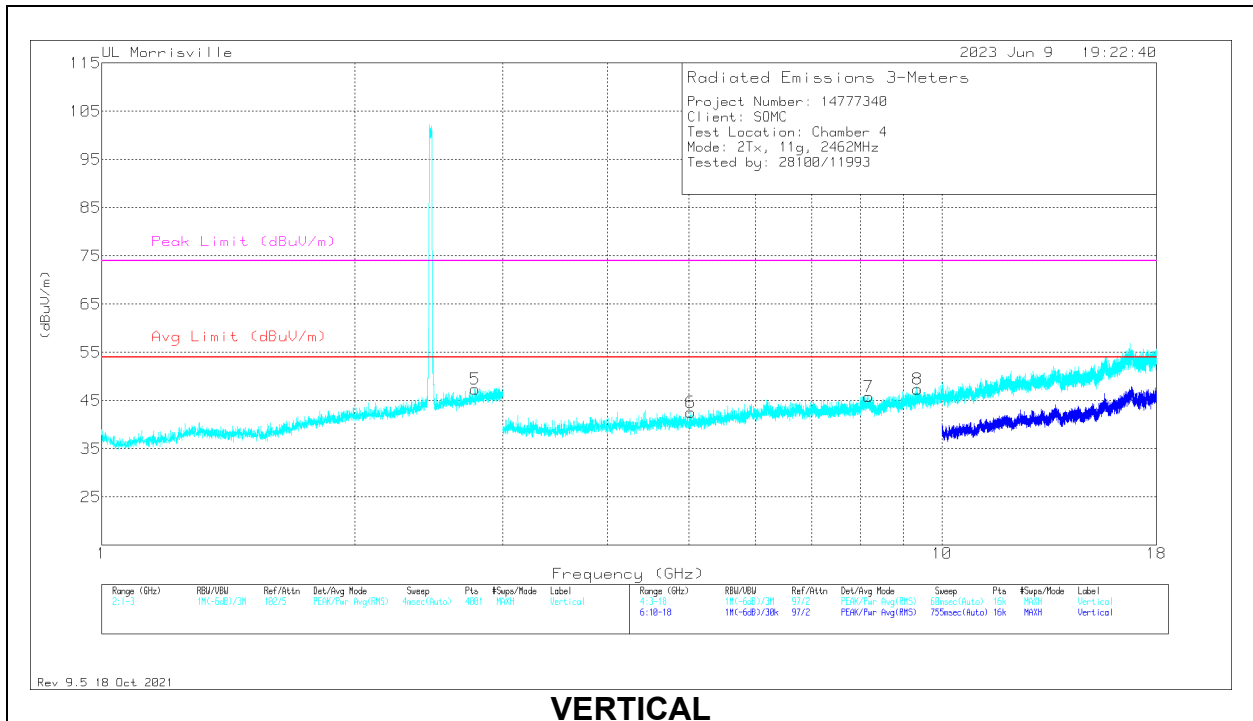
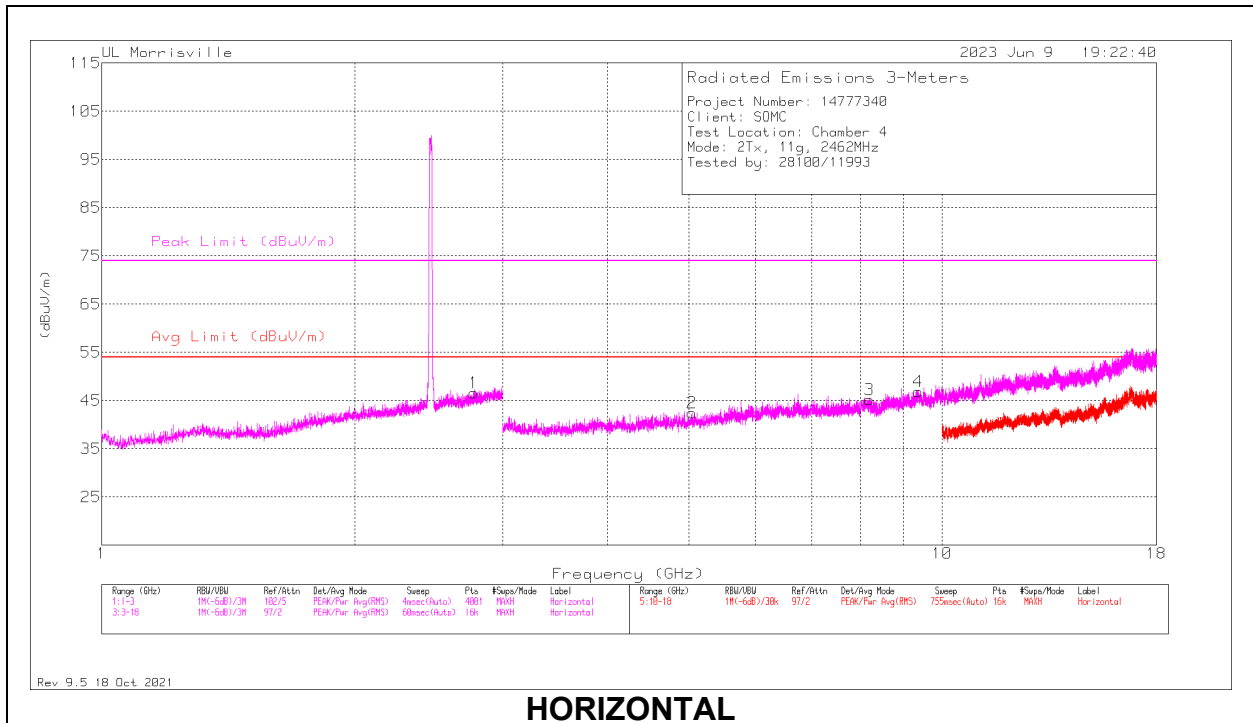
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.8425	27.22	Pk	32.3	-12.1	47.42	54	-6.58	74	-26.58	0-360	100	H
5	* ** 2.858	27.49	Pk	32.4	-12.1	47.79	54	-6.21	74	-26.21	0-360	200	V
2	* ** 5.03156	40.79	Pk	34.1	-32.1	42.79	54	-11.21	74	-31.21	0-360	100	H
3	* ** 8.35594	36.04	Pk	35.8	-26.6	45.24	54	-8.76	74	-28.76	0-360	100	H
4	* ** 9.46875	35.78	Pk	36.7	-25.3	47.18	54	-6.82	74	-26.82	0-360	100	H
6	* ** 5.06625	40.08	Pk	34.1	-31.9	42.28	54	-11.72	74	-31.72	0-360	200	V
7	* ** 8.38406	36.08	Pk	35.8	-26.7	45.18	54	-8.82	74	-28.82	0-360	200	V
8	* ** 9.48094	35.01	Pk	36.7	-25.8	45.91	54	-8.09	74	-28.09	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

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	* ** 2.7735	26.48	Pk	32.5	-12.4	46.58	54	-7.42	74	-27.42	0-360	100	H
5	* ** 2.7805	27.3	Pk	32.6	-12.5	47.4	54	-6.6	74	-26.6	0-360	200	V
2	* ** 5.03719	40.11	Pk	34.1	-31.7	42.51	54	-11.49	74	-31.49	0-360	100	H
3	* ** 8.19	36.34	Pk	35.8	-27	45.14	54	-8.86	74	-28.86	0-360	100	H
4	* ** 9.37219	35.44	Pk	36.5	-25.1	46.84	54	-7.16	74	-27.16	0-360	100	H
6	* ** 5.02219	40.57	Pk	34.1	-32.1	42.57	54	-11.43	74	-31.43	0-360	200	V
7	* ** 8.1825	36.9	Pk	35.8	-26.9	45.8	54	-8.2	74	-28.2	0-360	200	V
8	* ** 9.35531	35.81	Pk	36.5	-24.9	47.41	54	-6.59	74	-26.59	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

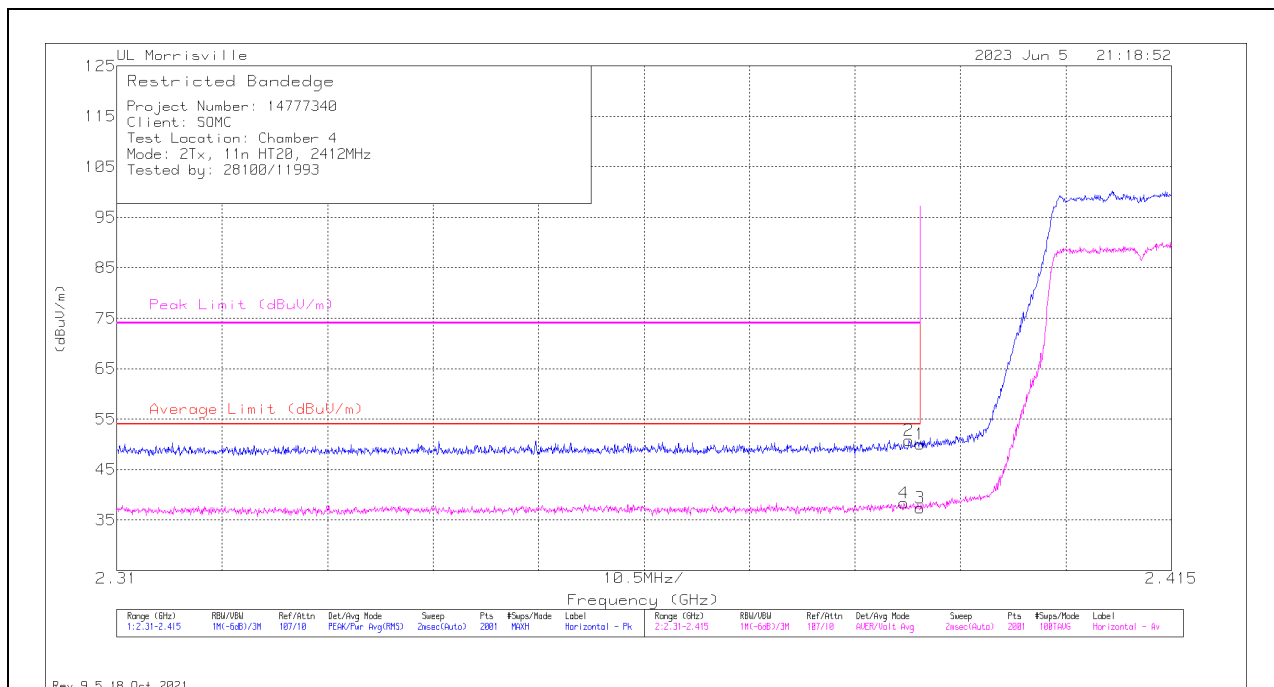
Pk - Peak detector

10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

2TX CHAIN 0 + CHAIN 1 2 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	31.22	Pk	32	-13.2	50.02	-	-	74	-23.98	4	230	H
2	*** 2.38886	32.02	Pk	32	-13.2	50.82	-	-	74	-23.18	4	230	H
3	*** 2.38996	18.63	ADV	32	-13.2	37.43	54	-16.57	-	-	4	230	H
4	*** 2.38838	19.59	ADV	32	-13.2	38.39	54	-15.61	-	-	4	230	H

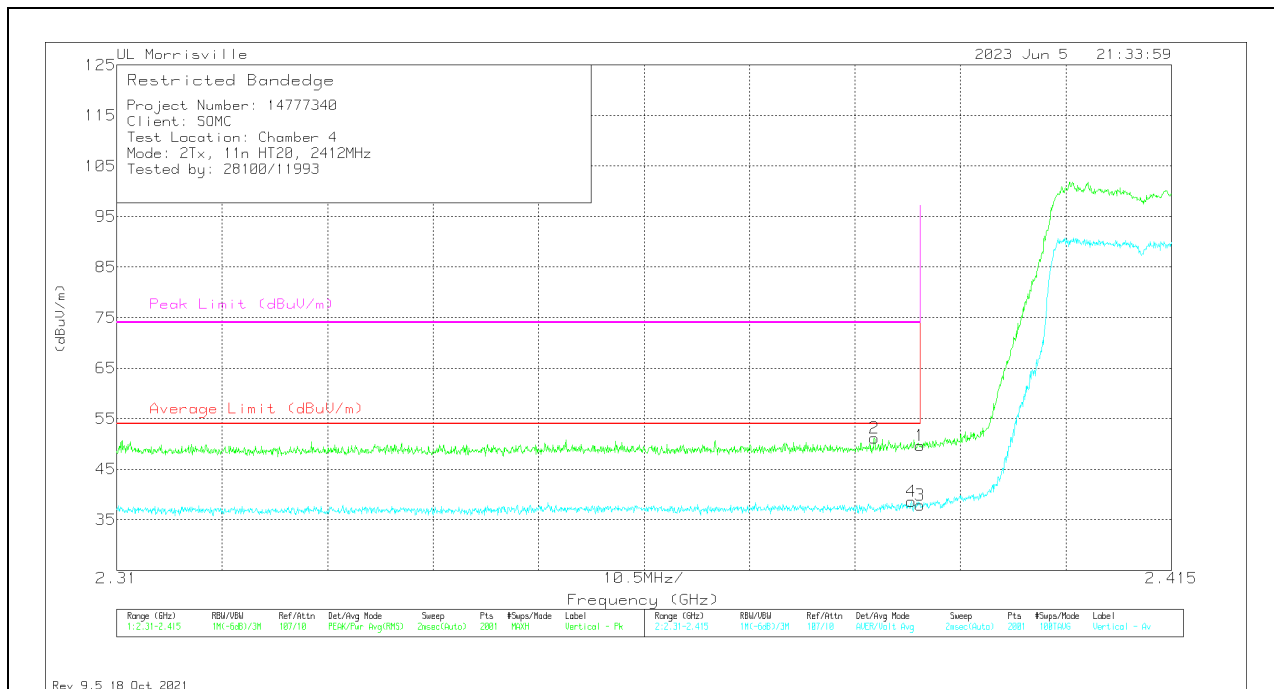
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	30.91	Pk	32	-13.2	49.71	-	-	74	-24.29	333	127	V
2	* ** 2.38544	32.38	Pk	32	-13.2	51.18	-	-	74	-22.82	333	127	V
3	* ** 2.38996	19.12	ADV	32	-13.2	37.92	54	-16.08	-	-	333	127	V
4	* ** 2.38912	19.77	ADV	32	-13.2	38.57	54	-15.43	-	-	333	127	V

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

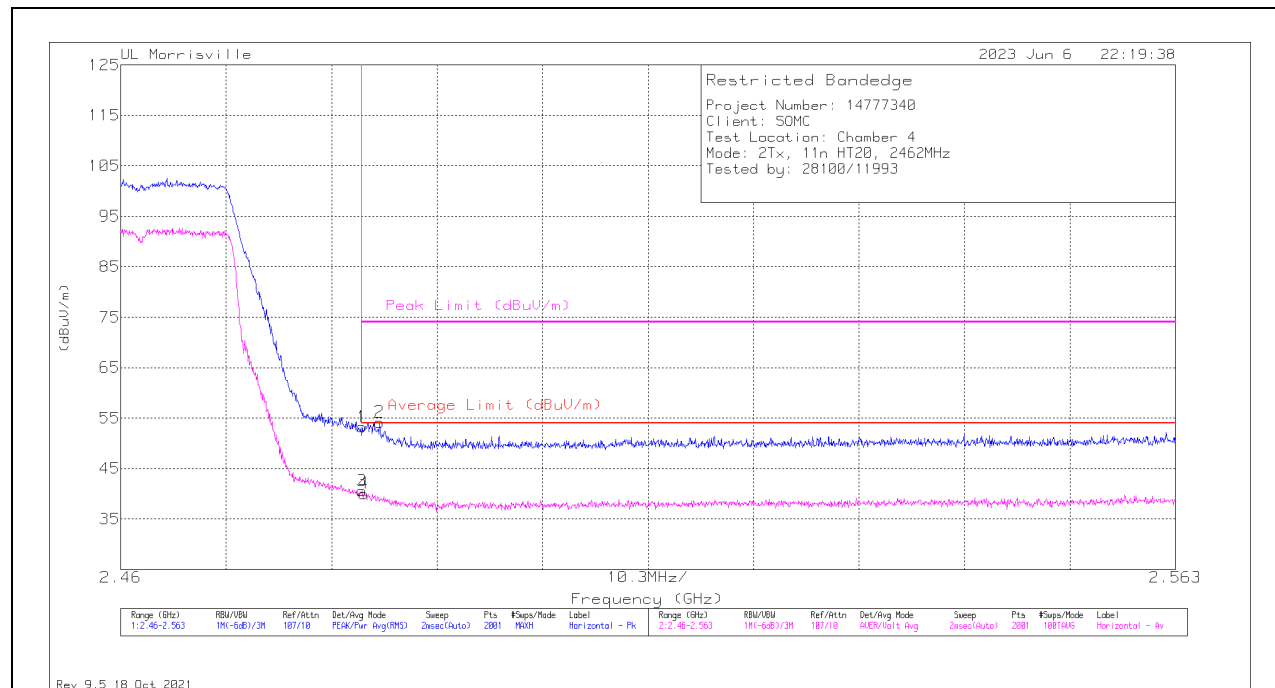
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	33.82	Pk	32.3	-12.9	53.22	-	-	74	-20.78	64	131	H
2	** 2.48529	34.8	Pk	32.3	-12.9	54.2	-	-	74	-19.8	64	131	H
3	*** 2.48354	21.2	ADV	32.3	-12.9	40.6	54	-13.4	-	-	64	131	H
4	*** 2.48374	20.65	ADV	32.3	-12.9	40.05	54	-13.95	-	-	64	131	H

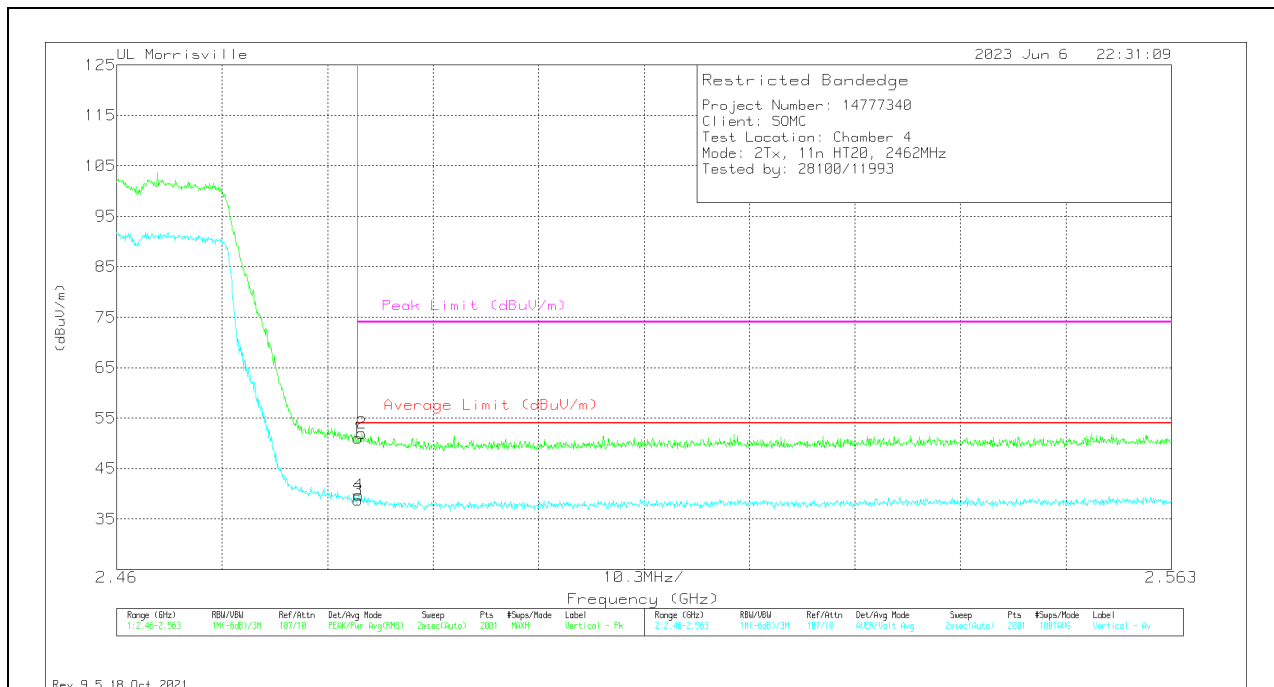
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	31.63	Pk	32.3	-12.9	51.03	-	-	74	-22.97	345	350	V
2	* ** 2.4839	32.57	Pk	32.3	-12.9	51.97	-	-	74	-22.03	345	350	V
3	* ** 2.48354	19.4	ADV	32.3	-12.9	38.8	54	-15.2	-	-	345	350	V
4	* ** 2.48364	20.37	ADV	32.3	-12.9	39.77	54	-14.23	-	-	345	350	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

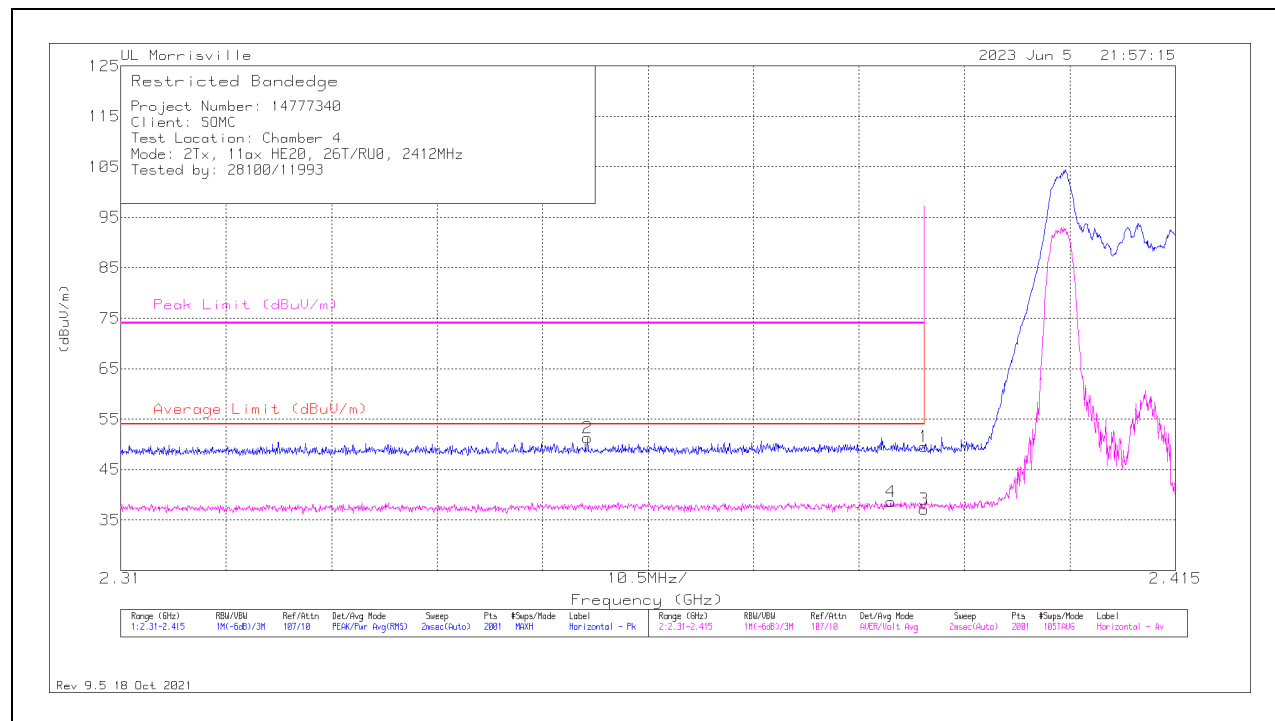
ADV - Linear Voltage Average

10.1.4. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 2.4GHz BAND

2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 26T

BANDEDGE (LOW CHANNEL 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.38996	30.75	Pk	32	-13.2	0	49.55	-	-	74	-24.45	70	101	H
2	* ** 2.35646	32.51	Pk	31.9	-13.1	0	51.31	-	-	74	-22.69	70	101	H
3	* ** 2.38996	17.79	ADV	32	-13.2	.49	37.08	54	-16.92	-	-	70	100	H
4	* ** 2.38665	19.27	ADV	32	-13.1	.49	38.66	54	-15.34	-	-	70	100	H

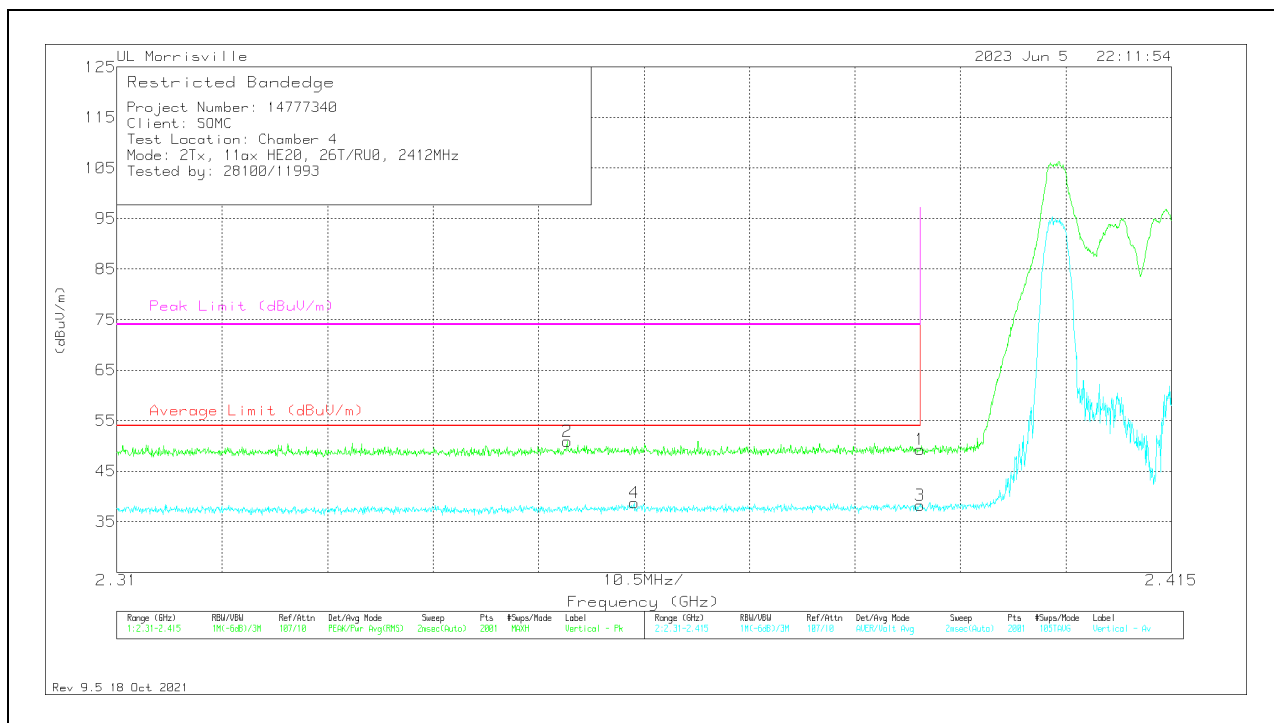
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.38996	30.47	Pk	32	-13.2	0	49.27	-	-	74	-24.73	339	102	V
2	* ** 2.35484	32.13	Pk	31.8	-13	0	50.93	-	-	74	-23.07	339	102	V
3	* ** 2.38996	18.98	ADV	32	-13.2	.49	38.27	54	-15.73	-	-	339	102	V
4	* ** 2.3615	19.32	ADV	31.9	-13	.49	38.71	54	-15.29	-	-	339	102	V

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

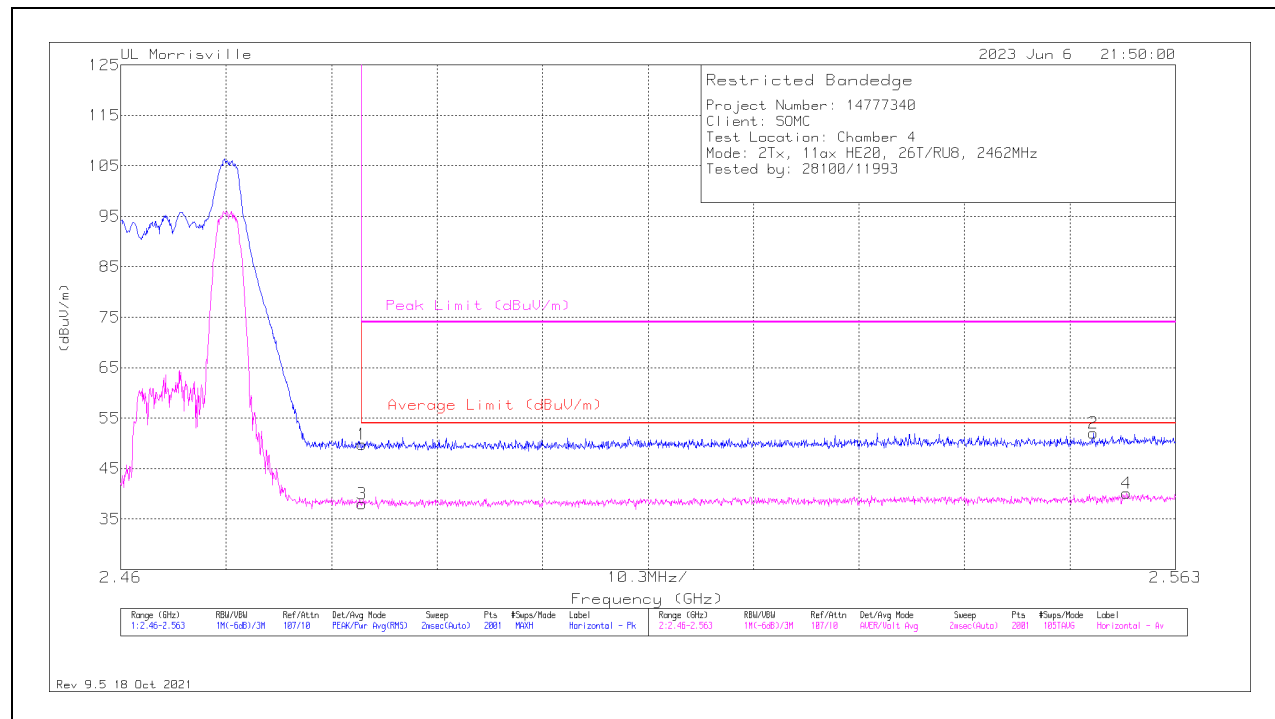
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.48354	30.39	Pk	32.3	-12.9	0	49.79	-	-	74	-24.21	66	134	H
2	** 2.55497	32.56	Pk	32.4	-12.9	0	52.06	-	-	74	-21.94	66	134	H
3	* ** 2.48354	18.16	ADV	32.3	-12.9	.49	38.05	54	-15.95	-	-	66	134	H
4	** 2.55821	19.8	ADV	32.5	-12.7	.49	40.09	54	-13.91	-	-	66	134	H

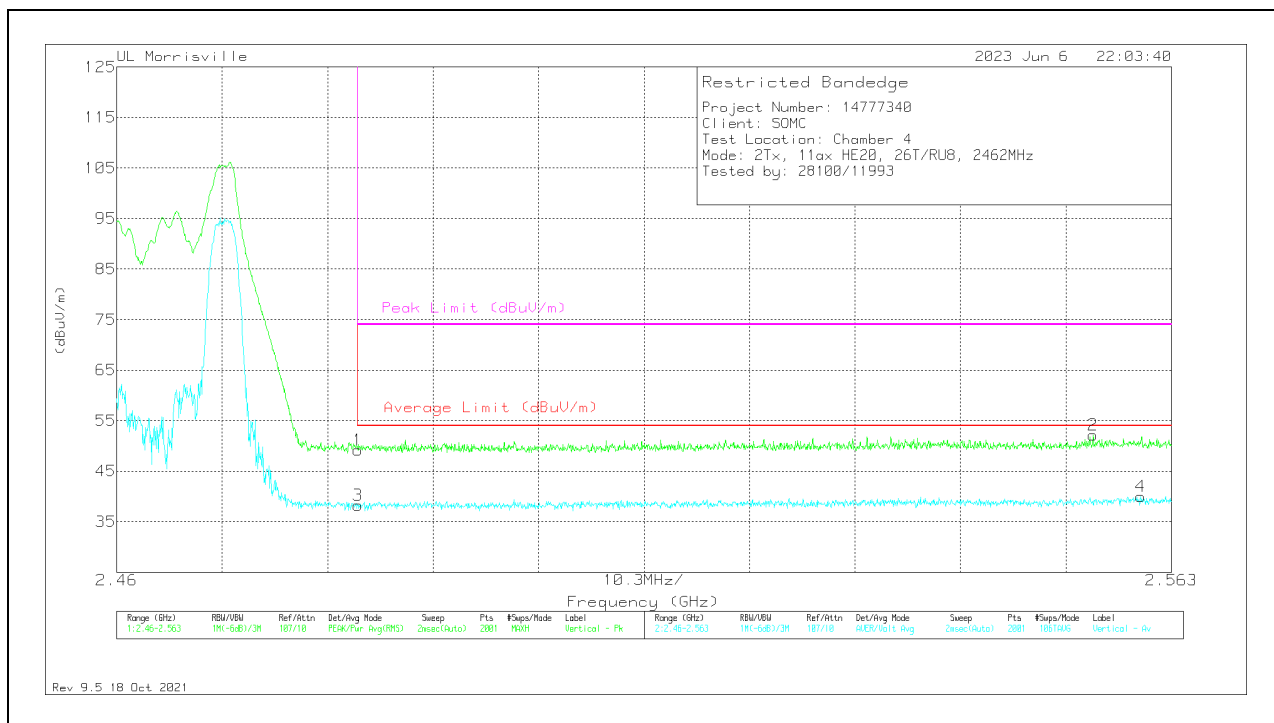
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.48354	29.72	Pk	32.3	-12.9	0	49.12	-	-	74	-24.88	26	145	V
2	** 2.55533	32.51	Pk	32.5	-12.9	0	52.11	-	-	74	-21.89	26	145	V
3	* ** 2.48354	18.35	ADV	32.3	-12.9	.49	38.24	54	-15.76	-	-	26	145	V
4	** 2.56001	19.73	ADV	32.5	-12.8	.49	39.92	54	-14.08	-	-	26	145	V

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

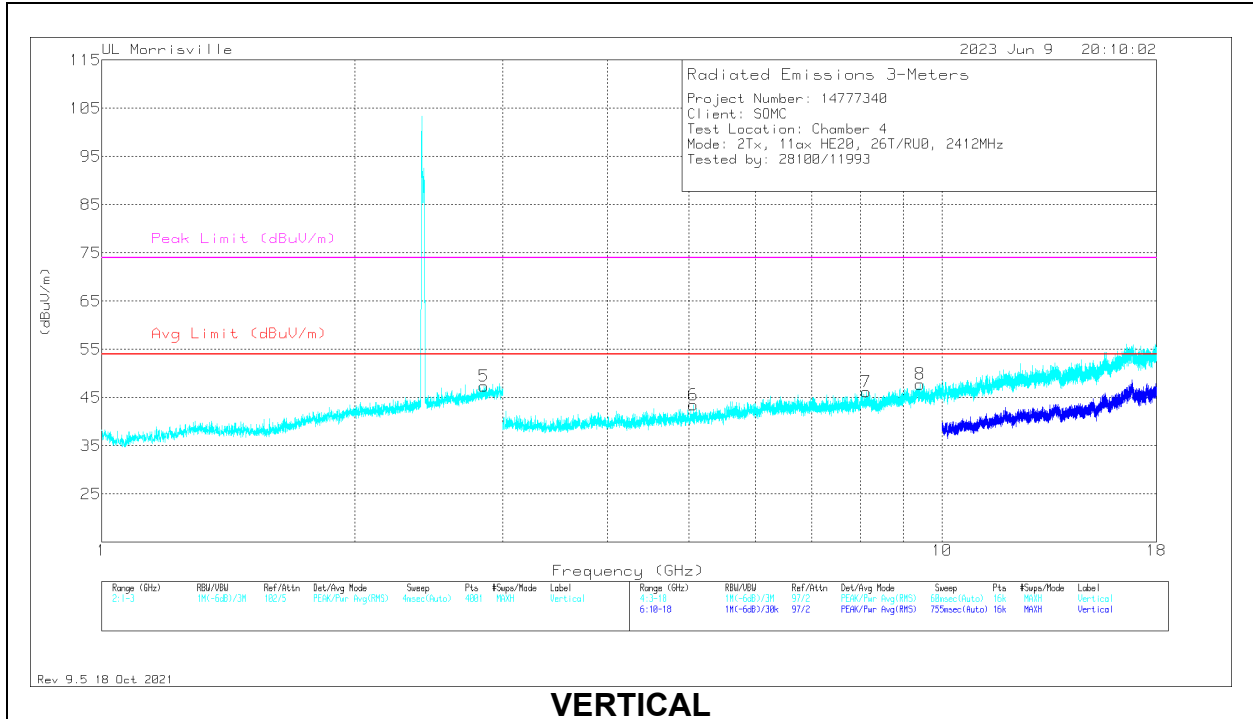
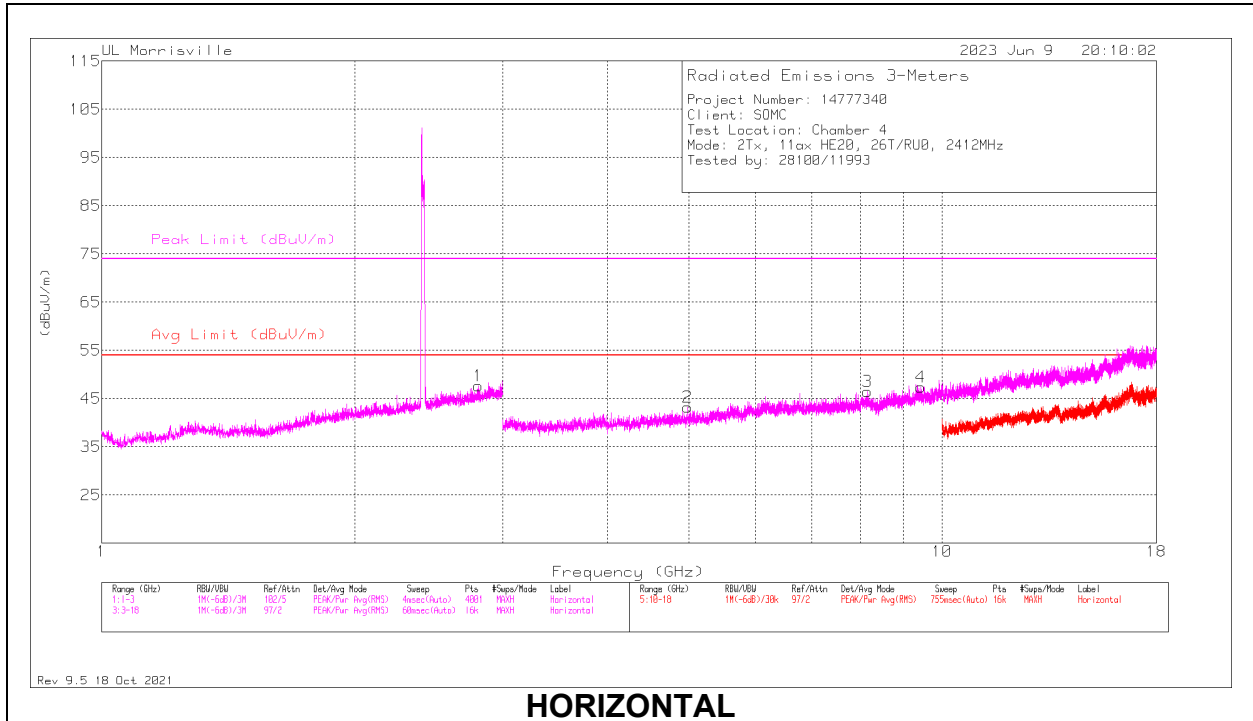
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

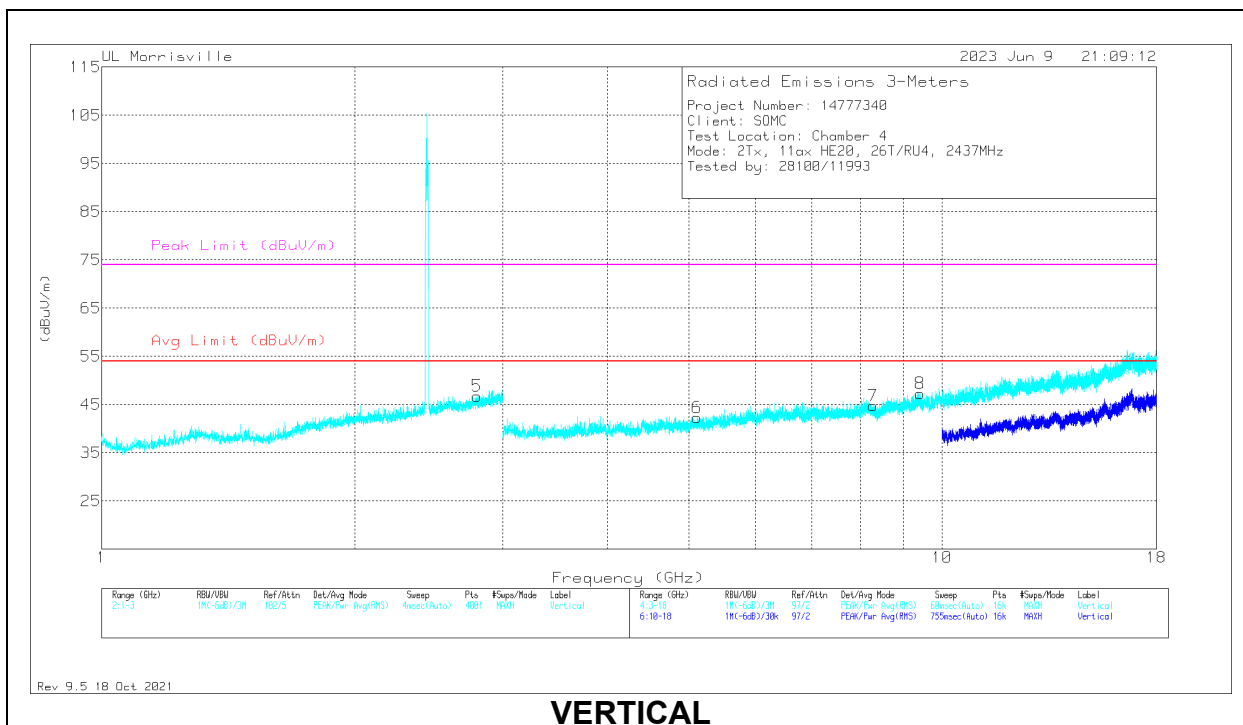
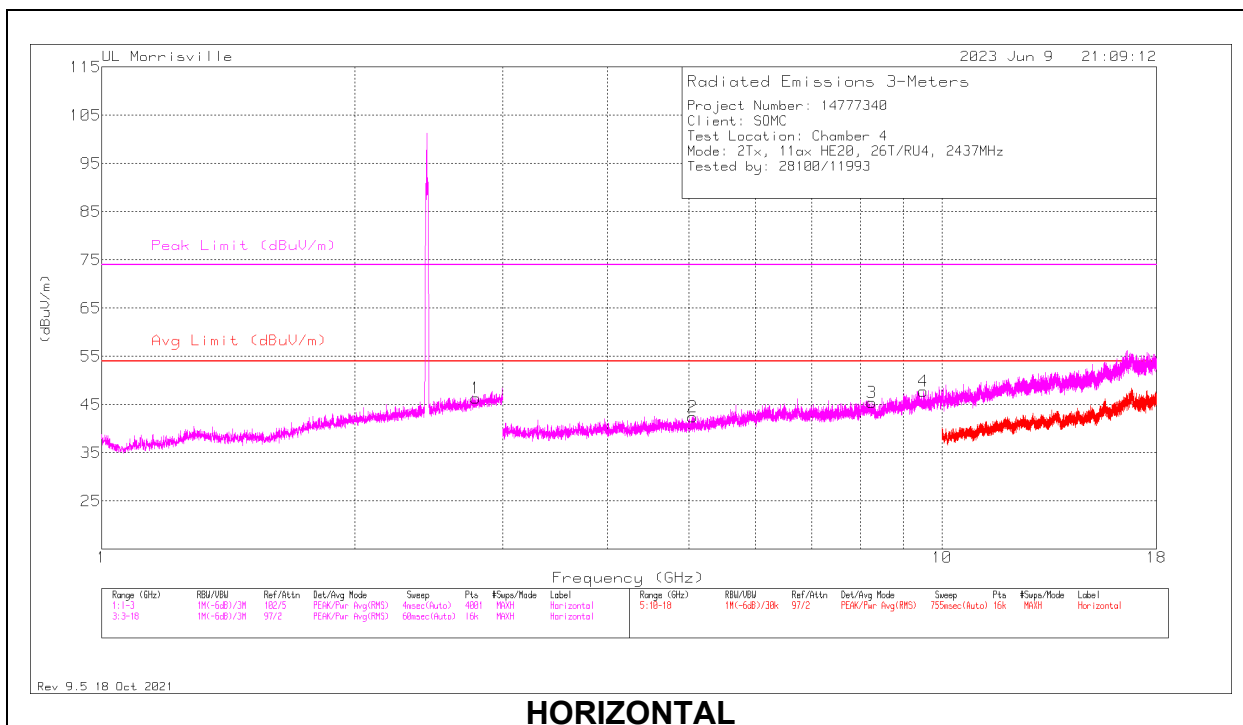
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.809	27.62	Pk	32.5	-12.5	0	47.62	54	-6.38	74	-26.38	0-360	100	H
5	* ** 2.8485	27.32	Pk	32.4	-12.3	0	47.42	54	-6.58	74	-26.58	0-360	200	V
2	* ** 4.98281	40.71	Pk	34	-31.5	0	43.21	54	-10.79	74	-30.79	0-360	100	H
3	* ** 8.15531	37.53	Pk	35.8	-26.9	0	46.43	54	-7.57	74	-27.57	0-360	100	H
4	* ** 9.43594	36.44	Pk	36.7	-25.7	0	47.44	54	-6.56	74	-26.56	0-360	100	H
6	* ** 5.05594	41.31	Pk	34.1	-31.9	0	43.51	54	-10.49	74	-30.49	0-360	200	V
7	* ** 8.12813	37.87	Pk	35.8	-27.4	0	46.27	54	-7.73	74	-27.73	0-360	200	V
8	* ** 9.41813	36.74	Pk	36.6	-25.5	0	47.84	54	-6.16	74	-26.16	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, CH 6 RESULTS



RADIATED EMISSIONS

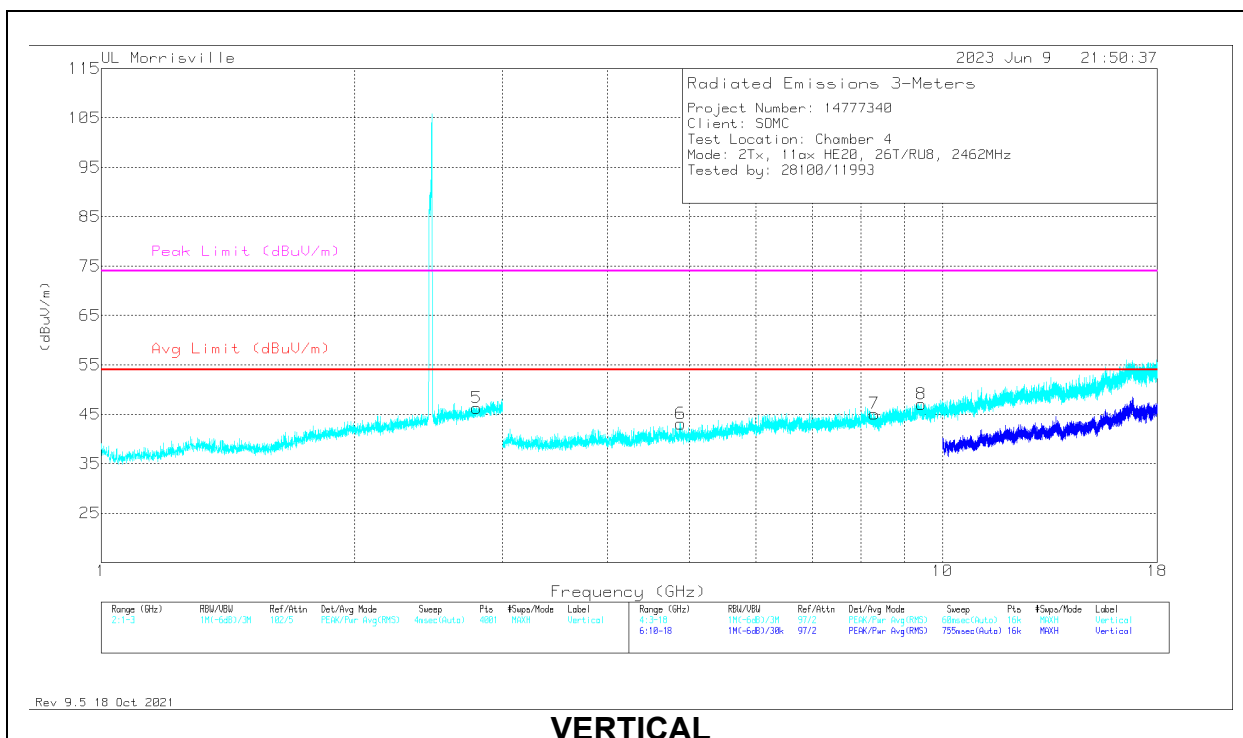
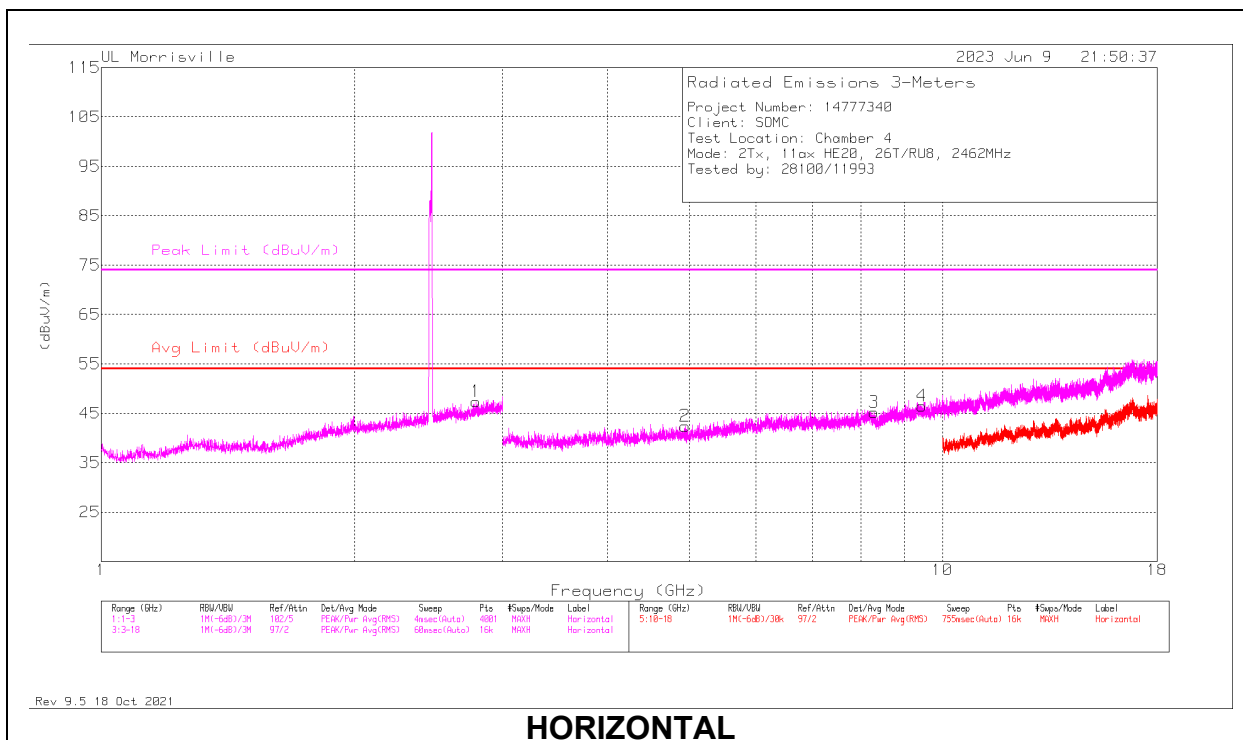
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.7865	26.14	Pk	32.6	-12.4	0	46.34	54	-7.66	74	-27.66	0-360	100	H
5	* ** 2.796	26.5	Pk	32.6	-12.3	0	46.8	54	-7.2	74	-27.2	0-360	200	V
2	* ** 5.05125	40.23	Pk	34.1	-31.9	0	42.43	54	-11.57	74	-31.57	0-360	100	H
3	* ** 8.25375	36.46	Pk	35.8	-26.8	0	45.46	54	-8.54	74	-28.54	0-360	100	H
4	* ** 9.49406	36.91	Pk	36.7	-25.8	0	47.81	54	-6.19	74	-26.19	0-360	100	H
6	* ** 5.115	39.57	Pk	34.1	-31.4	0	42.27	54	-11.73	74	-31.73	0-360	200	V
7	* ** 8.27531	35.85	Pk	35.8	-26.8	0	44.85	54	-9.15	74	-29.15	0-360	200	V
8	* ** 9.42656	36.22	Pk	36.7	-25.6	0	47.32	54	-6.68	74	-26.68	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

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (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	* ** 2.788	27.19	Pk	32.6	-12.4	0	47.39	54	-6.61	74	-26.61	0-360	100	H
5	* ** 2.7925	26.09	Pk	32.6	-12.4	0	46.29	54	-7.71	74	-27.71	0-360	200	V
2	* ** 4.94438	39.43	Pk	33.9	-30.9	0	42.43	54	-11.57	74	-31.57	0-360	100	H
3	* ** 8.29313	36.11	Pk	35.8	-26.7	0	45.21	54	-8.79	74	-28.79	0-360	100	H
4	* ** 9.44813	35.59	Pk	36.7	-25.8	0	46.49	54	-7.51	74	-27.51	0-360	100	H
6	* ** 4.88438	40.51	Pk	34	-31.4	0	43.11	54	-10.89	74	-30.89	0-360	200	V
7	* ** 8.29969	35.82	Pk	35.8	-26.5	0	45.12	54	-8.88	74	-28.88	0-360	200	V
8	* ** 9.44063	35.76	Pk	36.7	-25.4	0	47.06	54	-6.94	74	-26.94	0-360	200	V

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

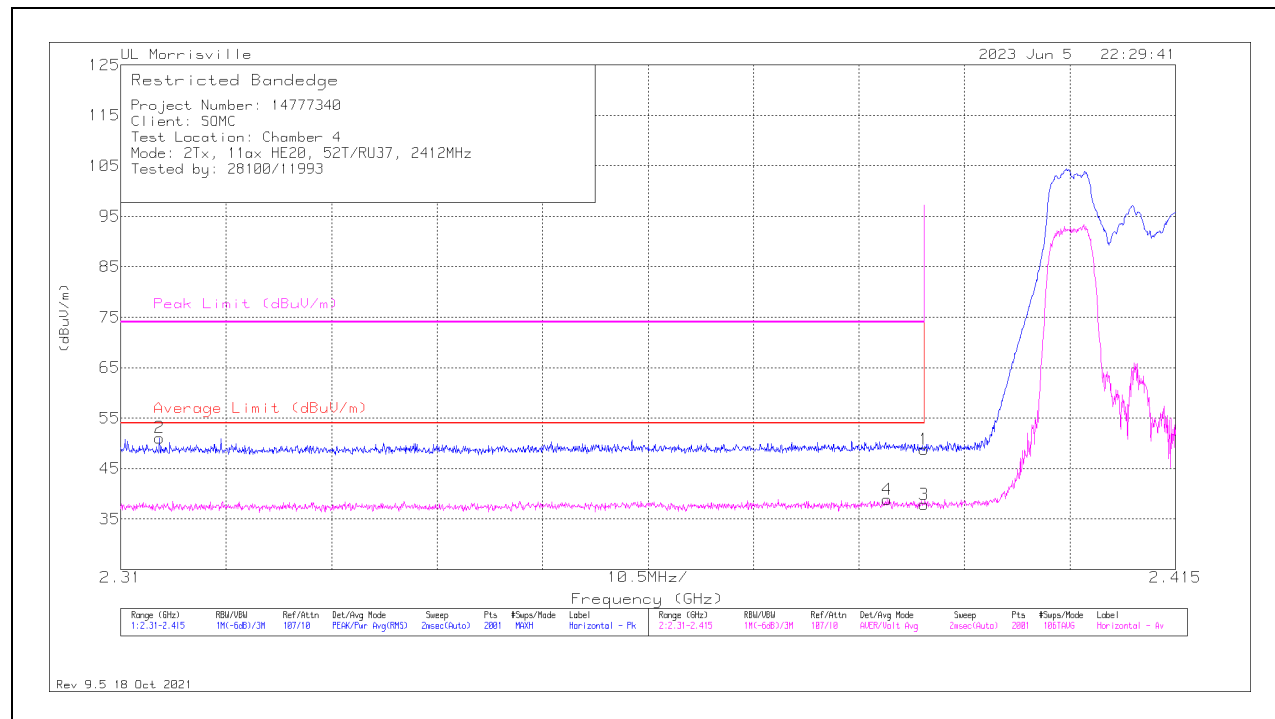
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 52T

BANDEDGE (LOW CHANNEL 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.38996	30.02	Pk	32	-13.2	0	48.82	-	-	74	-25.18	72	114	H
2	* ** 2.31383	32.4	Pk	32	-13.3	0	51.1	-	-	74	-22.9	72	114	H
3	* ** 2.38996	18.6	ADV	32	-13.2	.53	37.93	54	-16.07	-	-	72	114	H
4	* ** 2.38628	19.45	ADV	32	-13.1	.53	38.88	54	-15.12	-	-	72	114	H

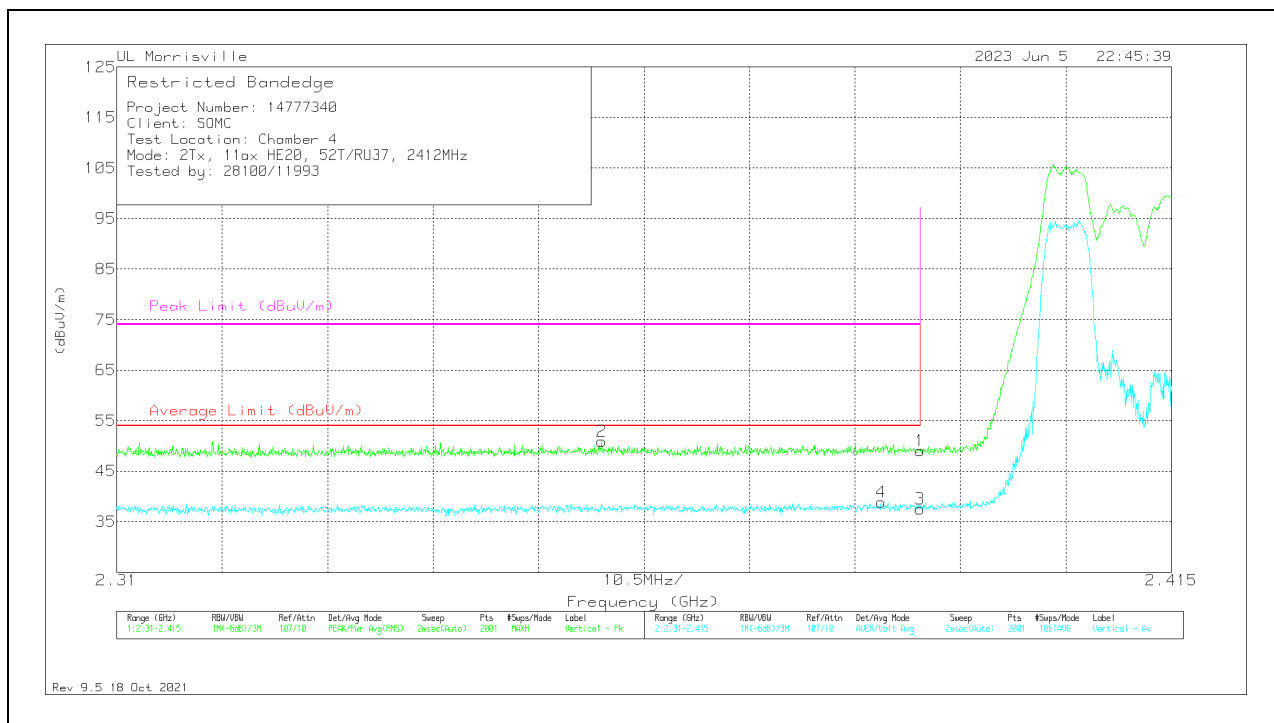
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.38996	30.25	Pk	32	-13.2	0	49.05	-	-	74	-24.95	338	106	V
2	* ** 2.3583	32.13	Pk	31.9	-13.1	0	50.93	-	-	74	-23.07	338	106	V
3	* ** 2.38996	18.16	ADV	32	-13.2	.53	37.49	54	-16.51	-	-	338	106	V
4	* ** 2.38613	19.42	ADV	32	-13.1	.53	38.85	54	-15.15	-	-	338	106	V

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

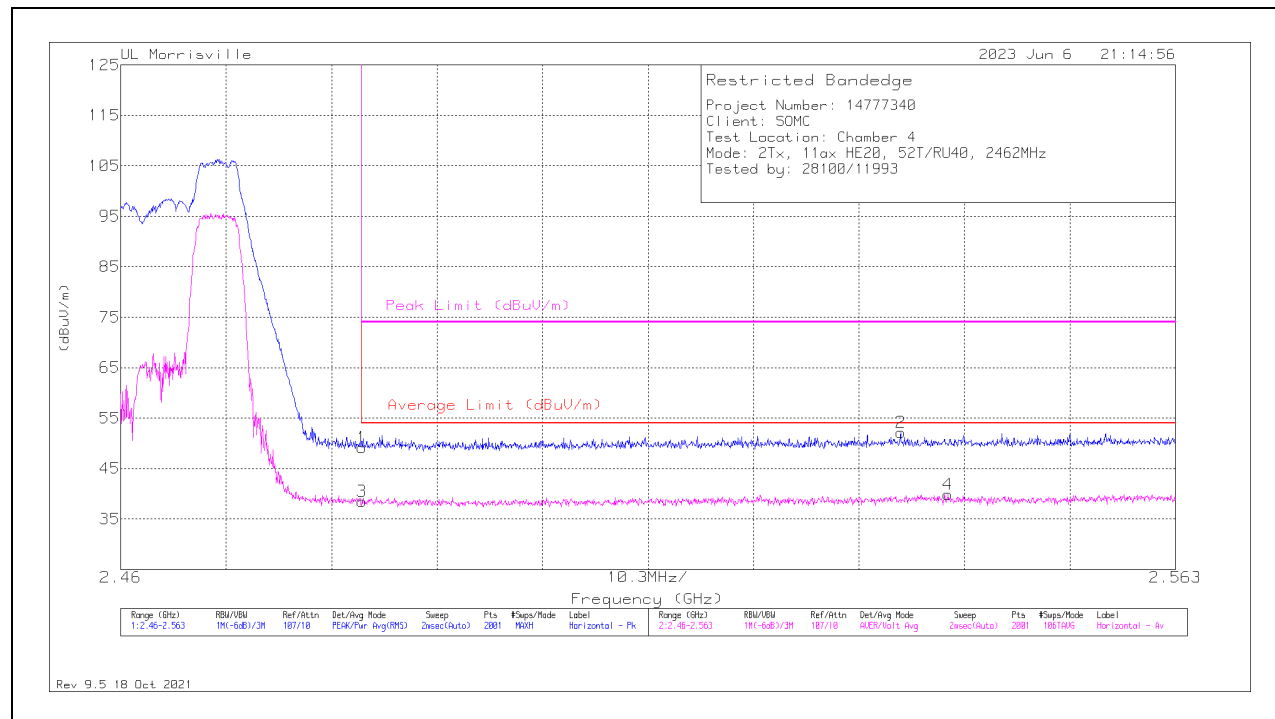
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.48354	29.73	Pk	32.3	-12.9	0	49.13	-	-	74	-24.87	63	134	H
2	** 2.53617	32.61	Pk	32.5	-12.9	0	52.21	-	-	74	-21.79	63	134	H
3	* ** 2.48354	18.59	ADV	32.3	-12.9	.53	38.52	54	-15.48	-	-	63	134	H
4	** 2.5408	19.72	ADV	32.5	-12.9	.53	39.85	54	-14.15	-	-	63	134	H

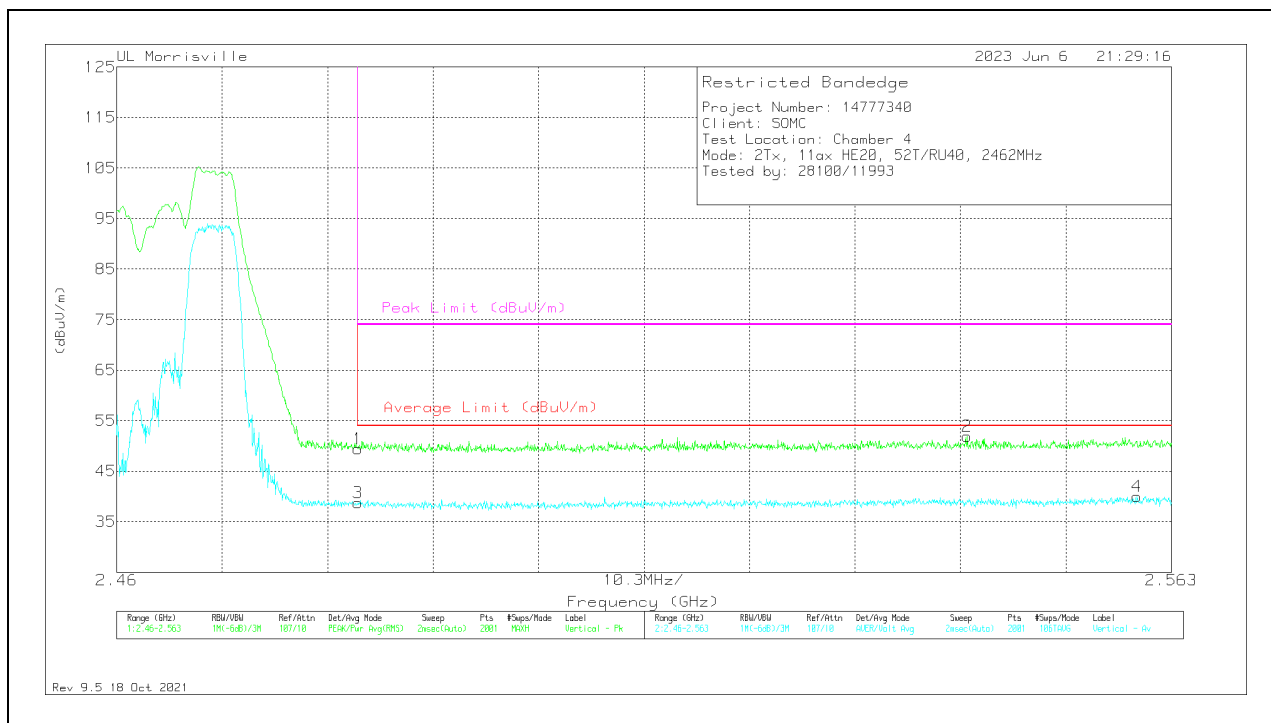
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.48354	29.98	Pk	32.3	-12.9	0	49.38	-	-	74	-24.62	27	141	V
2	** 2.54307	32.44	Pk	32.5	-13	0	51.94	-	-	74	-22.06	27	141	V
3	* ** 2.48354	18.87	ADV	32.3	-12.9	.53	38.8	54	-15.2	-	-	27	141	V
4	** 2.55965	19.73	ADV	32.5	-12.8	.53	39.96	54	-14.04	-	-	27	141	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

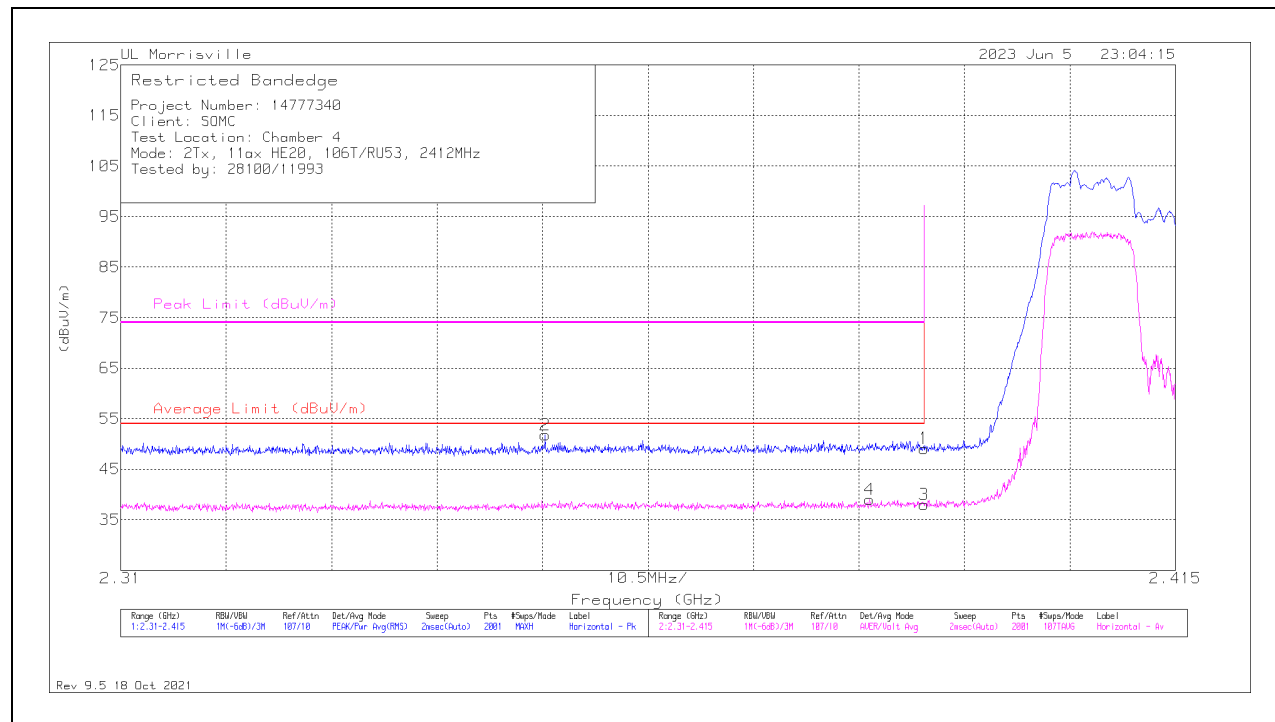
Pk - Peak detector

ADV - Linear Voltage Average

2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 106T

BANDEDGE (LOW CHANNEL 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.38996	30.31	Pk	32	-13.2	0	49.11	-	-	74	-24.89	65	341	H
2	* ** 2.35226	33	Pk	31.8	-13	0	51.8	-	-	74	-22.2	65	341	H
3	* ** 2.38996	18.6	ADV	32	-13.2	.63	38.03	54	-15.97	-	-	65	341	H
4	* ** 2.38455	19.6	ADV	32	-13.2	.63	39.03	54	-14.97	-	-	65	341	H

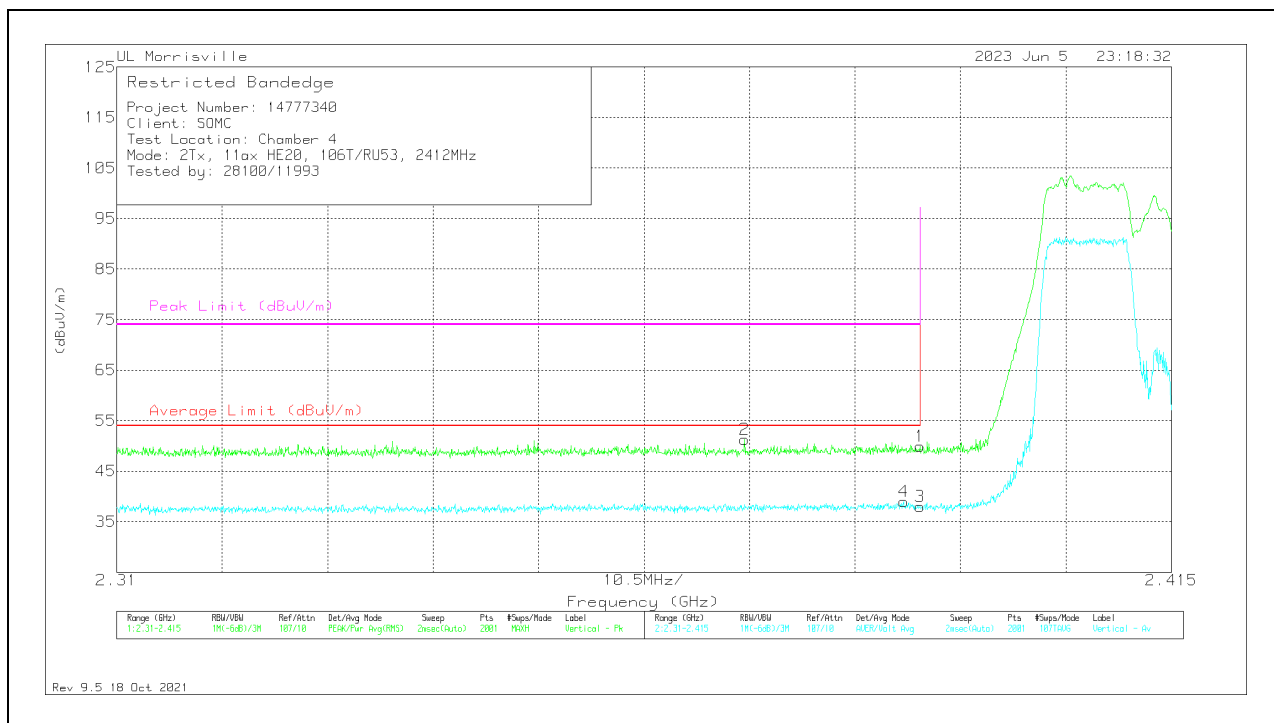
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.38996	31.07	Pk	32	-13.2	0	49.87	-	-	74	-24.13	70	355	V
2	* ** 2.37253	32.64	Pk	31.9	-13.2	0	51.34	-	-	74	-22.66	70	355	V
3	* ** 2.38996	18.56	ADV	32	-13.2	.63	37.99	54	-16.01	-	-	70	355	V
4	* ** 2.38833	19.58	ADV	32	-13.2	.63	39.01	54	-14.99	-	-	70	355	V

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

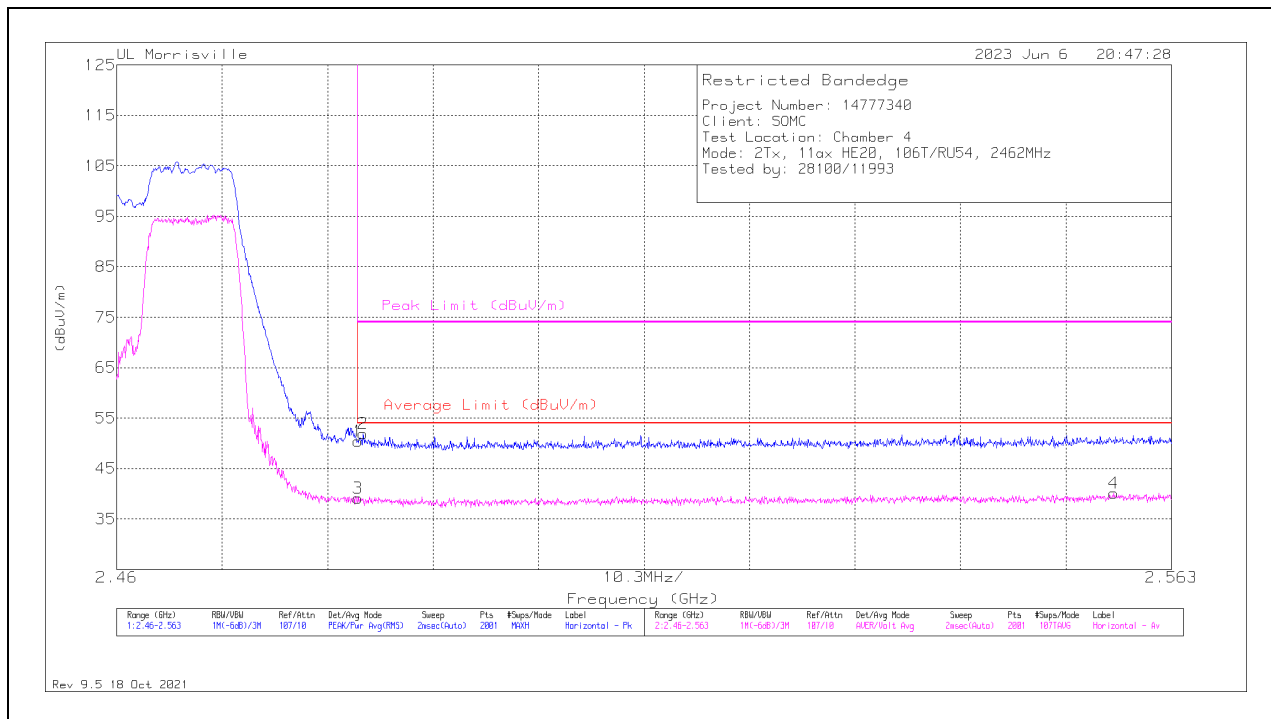
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.48354	31.01	Pk	32.3	-12.9	0	50.41	-	-	74	-23.59	62	135	H
2	* ** 2.48405	32.5	Pk	32.3	-12.9	0	51.9	-	-	74	-22.1	62	135	H
3	* ** 2.48354	19.11	ADV	32.3	-12.9	.63	39.14	54	-14.86	-	-	62	135	H
4	** 2.55739	19.7	ADV	32.5	-12.7	.63	40.13	54	-13.87	-	-	62	135	H

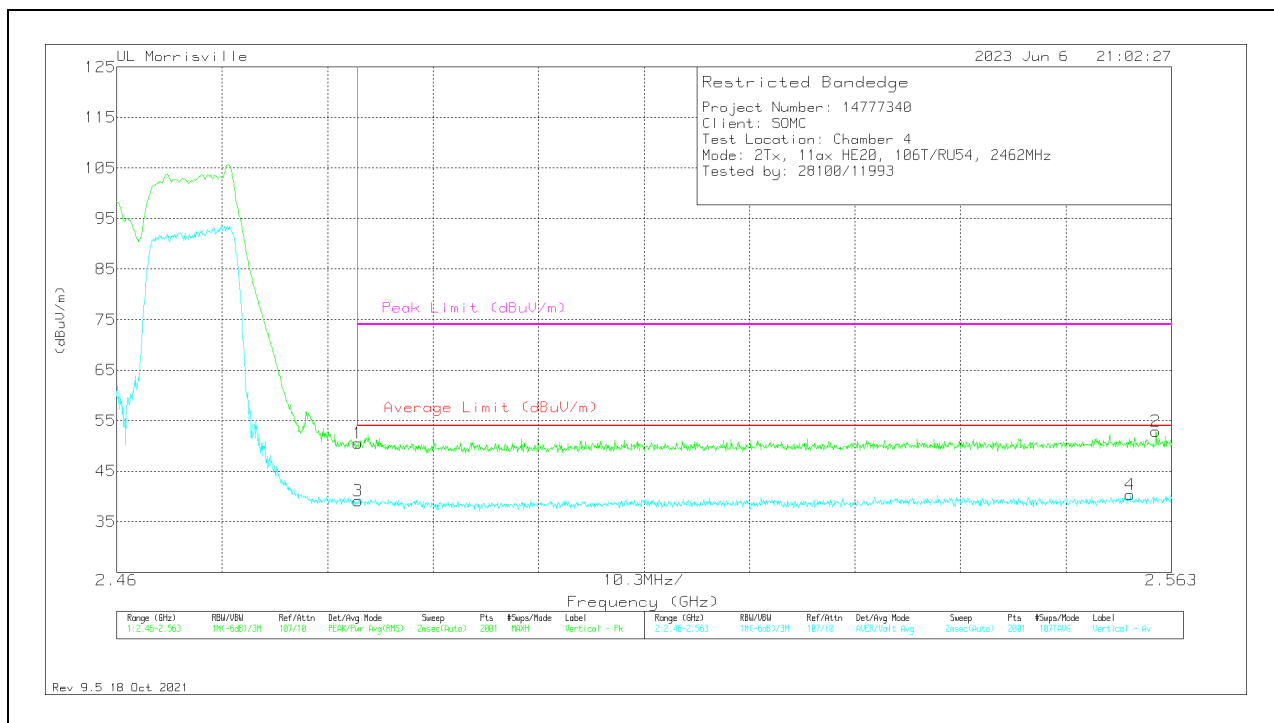
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.48354	31.13	Pk	32.3	-12.9	0	50.53	-	-	74	-23.47	336	142	V
2	** 2.56146	33.19	Pk	32.5	-12.8	0	52.89	-	-	74	-21.11	336	142	V
3	* ** 2.48354	19.12	ADV	32.3	-12.9	.63	39.15	54	-14.85	-	-	336	142	V
4	** 2.55898	19.95	ADV	32.5	-12.7	.63	40.38	54	-13.62	-	-	336	142	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

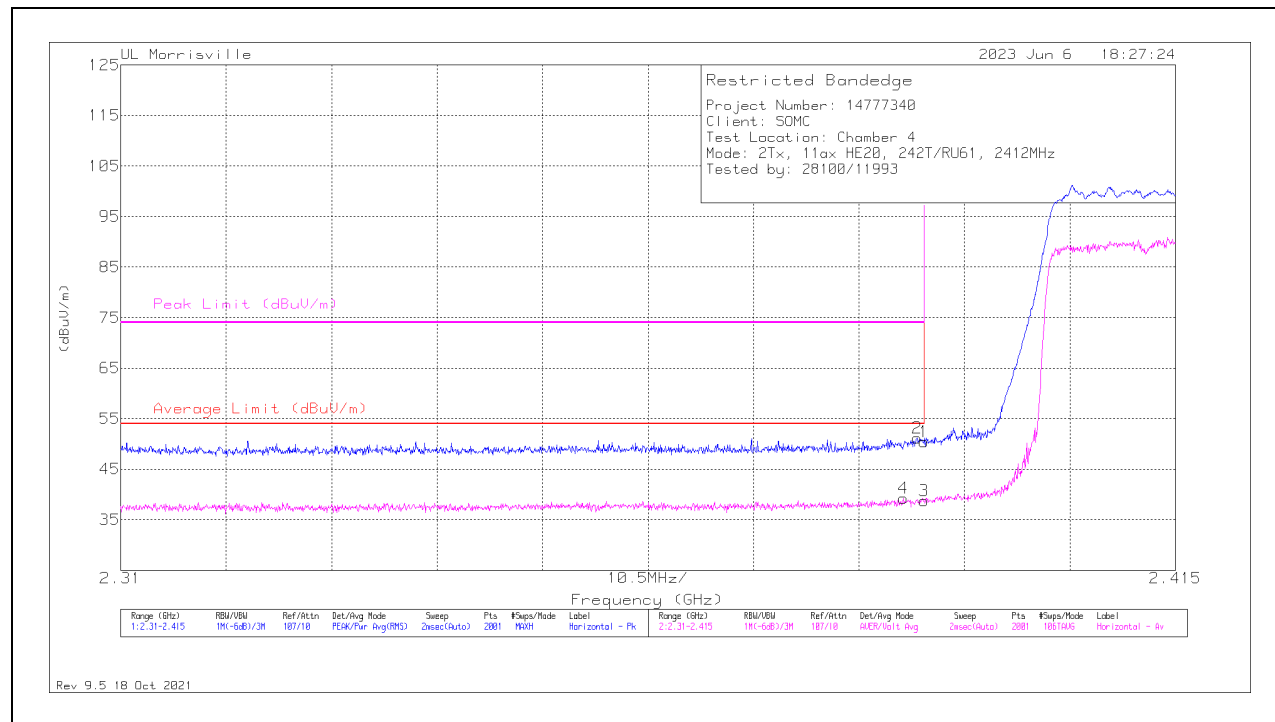
Pk - Peak detector

ADV - Linear Voltage Average

2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 242T

BANDEDGE (LOW CHANNEL 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.38996	31.61	Pk	32	-13.2	0	50.41	-	-	74	-23.59	6	103	H
2	* ** 2.38928	32.33	Pk	32	-13.2	0	51.13	-	-	74	-22.87	6	103	H
3	* ** 2.38996	19.35	ADV	32	-13.2	.57	38.72	54	-15.28	-	-	6	103	H
4	* ** 2.38791	19.82	ADV	32	-13.1	.57	39.29	54	-14.71	-	-	6	103	H

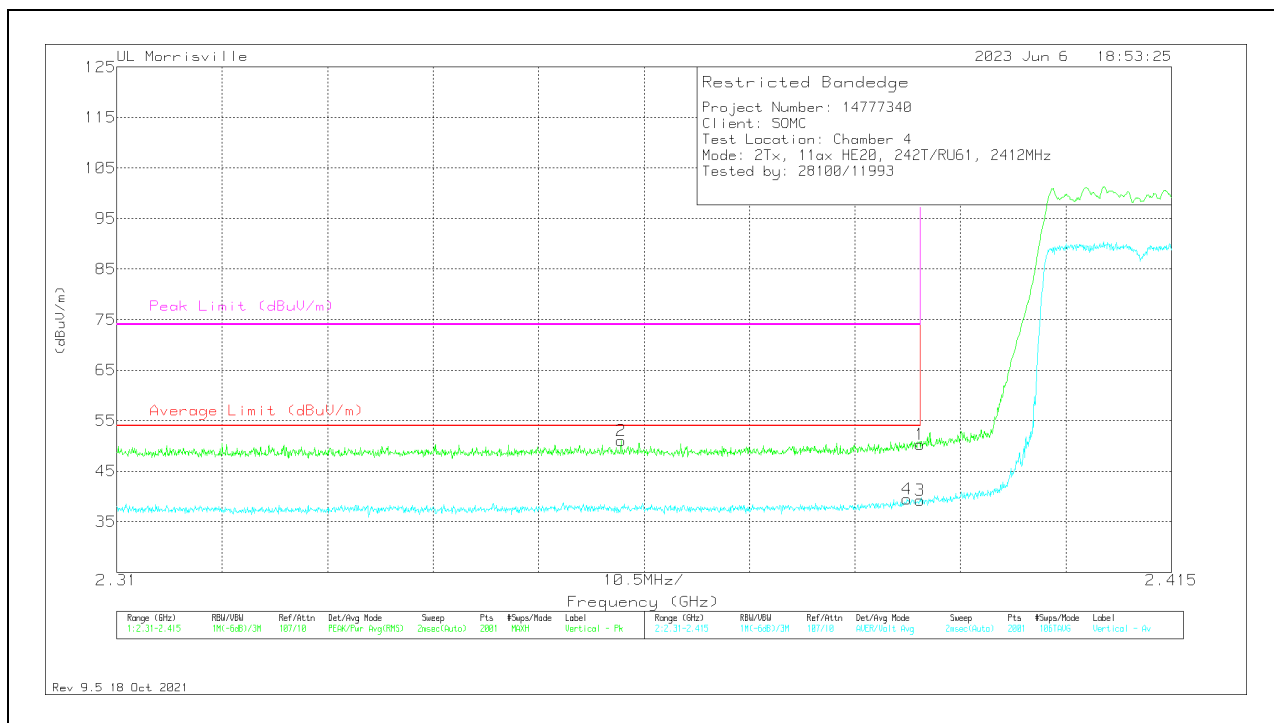
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.38996	31.52	Pk	32	-13.2	0	50.32	-	-	74	-23.68	345	138	V
2	* ** 2.36024	32.14	Pk	31.9	-13	0	51.04	-	-	74	-22.96	345	138	V
3	* ** 2.38996	19.82	ADV	32	-13.2	.57	39.19	54	-14.81	-	-	345	138	V
4	* ** 2.3887	20.09	ADV	32	-13.2	.57	39.46	54	-14.54	-	-	345	138	V

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

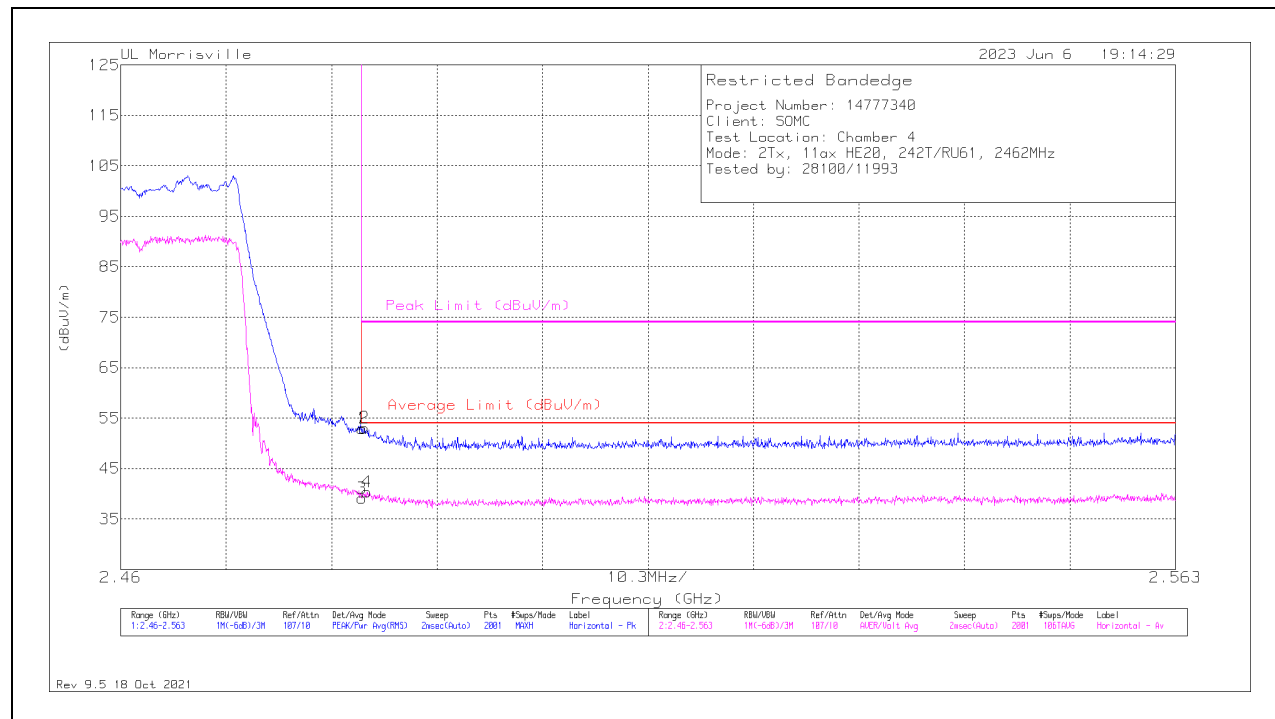
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.48354	33.49	Pk	32.3	-12.9	0	52.89	-	-	74	-21.11	64	136	H
2	* ** 2.48379	33.68	Pk	32.3	-12.9	0	53.08	-	-	74	-20.92	64	136	H
3	* ** 2.48354	19.16	ADV	32.3	-12.9	.57	39.13	54	-14.87	-	-	64	136	H
4	* ** 2.48405	20.36	ADV	32.3	-12.9	.57	40.33	54	-13.67	-	-	64	136	H

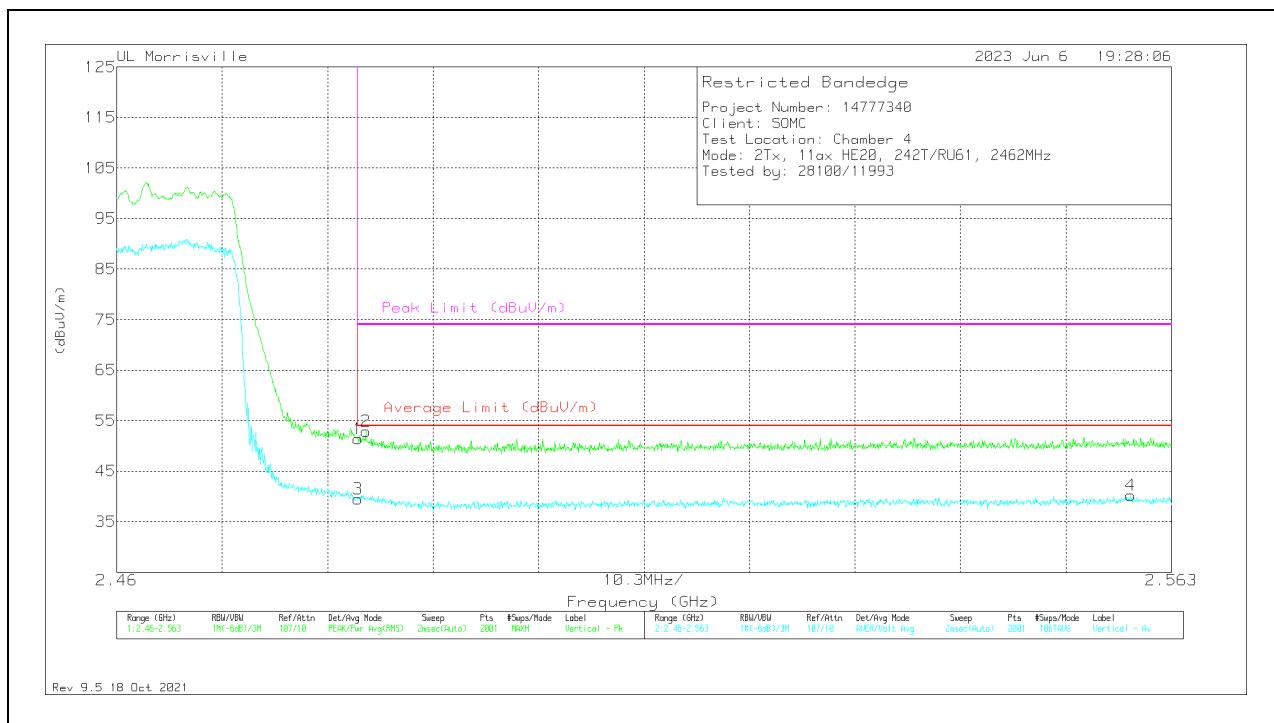
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/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	* ** 2.48354	32.02	Pk	32.3	-12.9	0	51.42	-	-	74	-22.58	58	129	V
2	* ** 2.48436	33.49	Pk	32.3	-12.9	0	52.89	-	-	74	-21.11	58	129	V
3	* ** 2.48354	19.54	ADV	32.3	-12.9	.57	39.51	54	-14.49	-	-	58	129	V
4	** 2.55903	19.91	ADV	32.5	-12.7	.57	40.28	54	-13.72	-	-	58	129	V

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

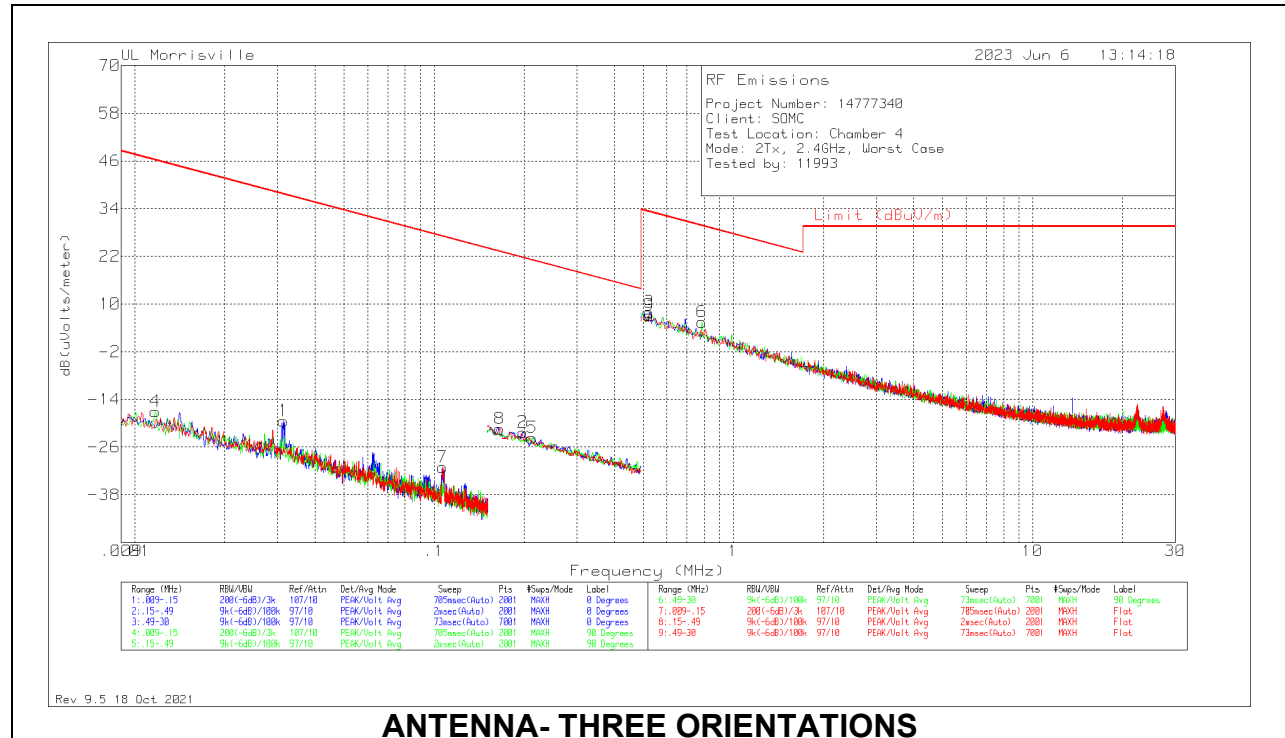
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

10.2. WORST CASE BELOW 30MHZ

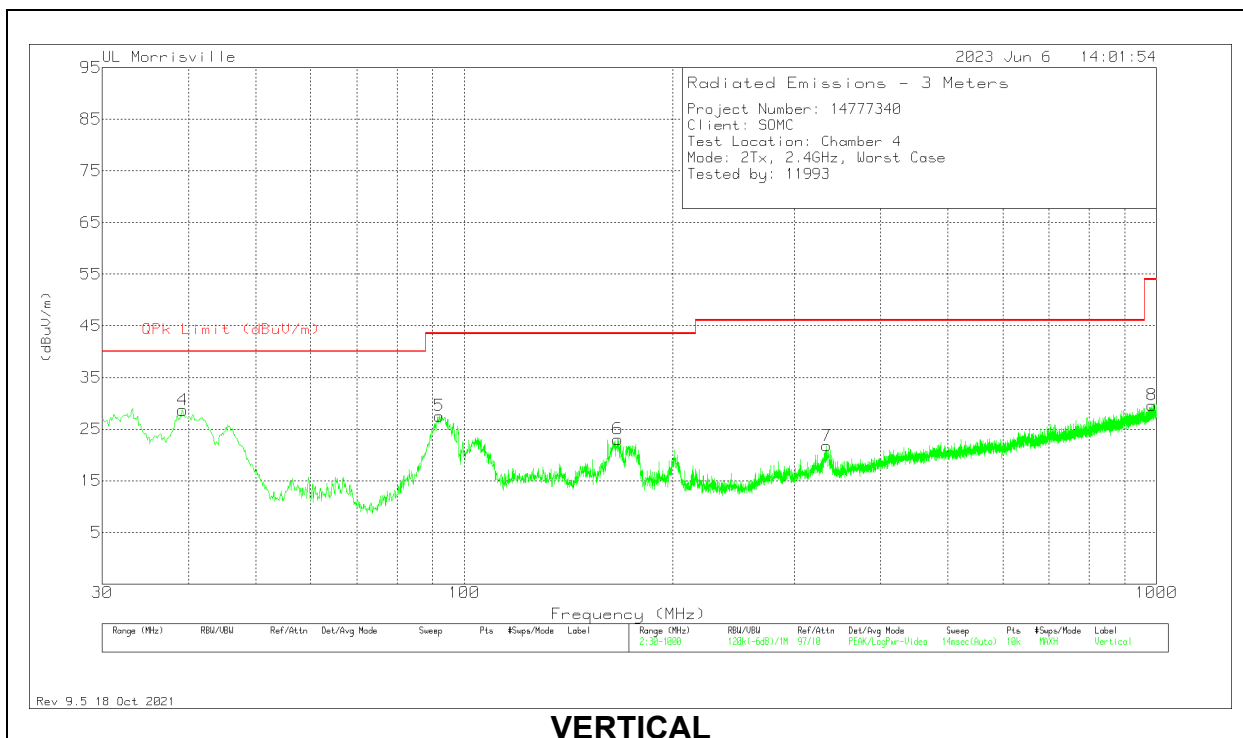
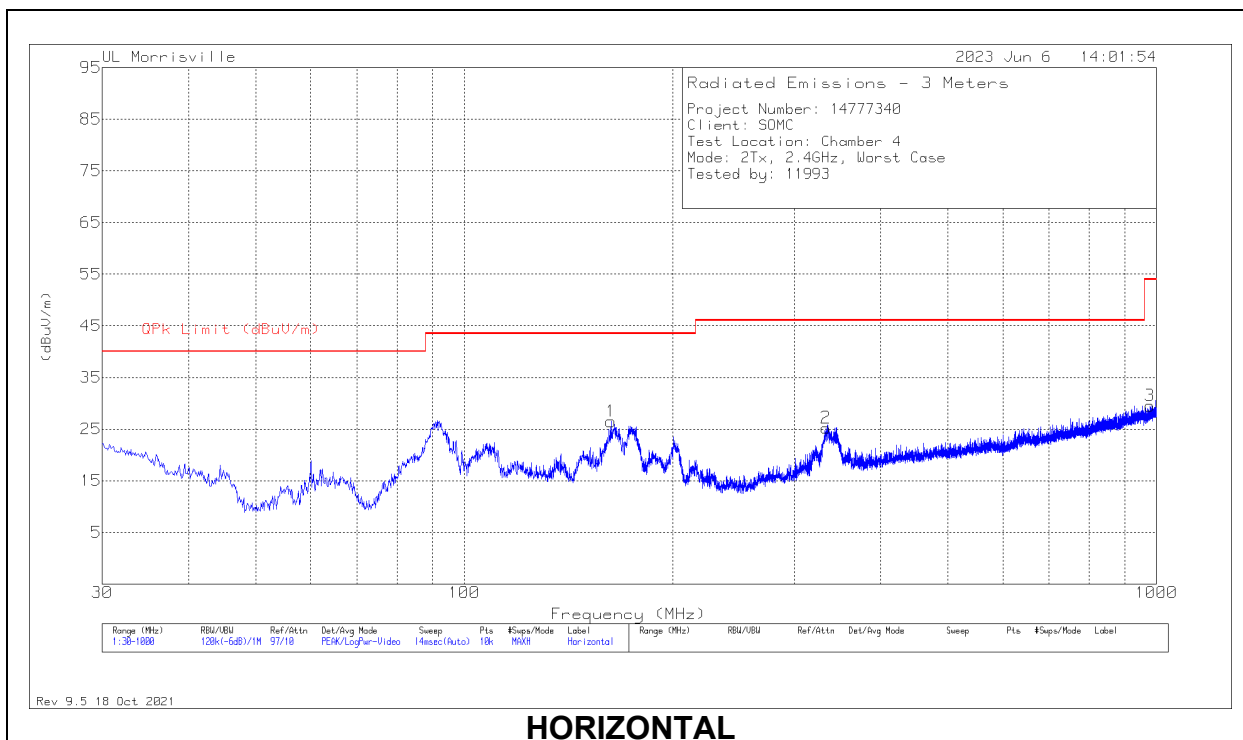
Note for below 30 MHz scans: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions 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 $40 \cdot \log(\text{test distance} / \text{specification distance})$.



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
4	.0117	44.28	Pk	18.6	.1	-80	-17.02	46.24	66.24	-63.26	0-360	90 degs
1	.03137	46.49	Pk	14	.1	-80	-19.41	37.68	57.68	-57.09	0-360	0 degs
7	.10663	36.64	Pk	12.2	.1	-80	-31.06	27.05	-	-58.11	0-360	Flat
8	.16564	46.31	Pk	12.2	.1	-80	-21.39	23.22	43.22	-44.61	0-360	Flat
2	.19811	45.46	Pk	12.2	.1	-80	-22.24	21.67	41.67	-43.91	0-360	0 degs
5	.21256	44.05	Pk	12.2	.1	-80	-23.65	21.05	41.05	-44.7	0-360	90 degs
3	.52373	35.58	Pk	12.2	.2	-40	7.98	33.22	-	-25.24	0-360	0 degs
9	.52373	34.79	Pk	12.2	.2	-40	7.19	33.22	-	-26.03	0-360	Flat
6	.78512	33.09	Pk	12.2	.2	-40	5.49	29.71	-	-24.22	0-360	90 degs

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ



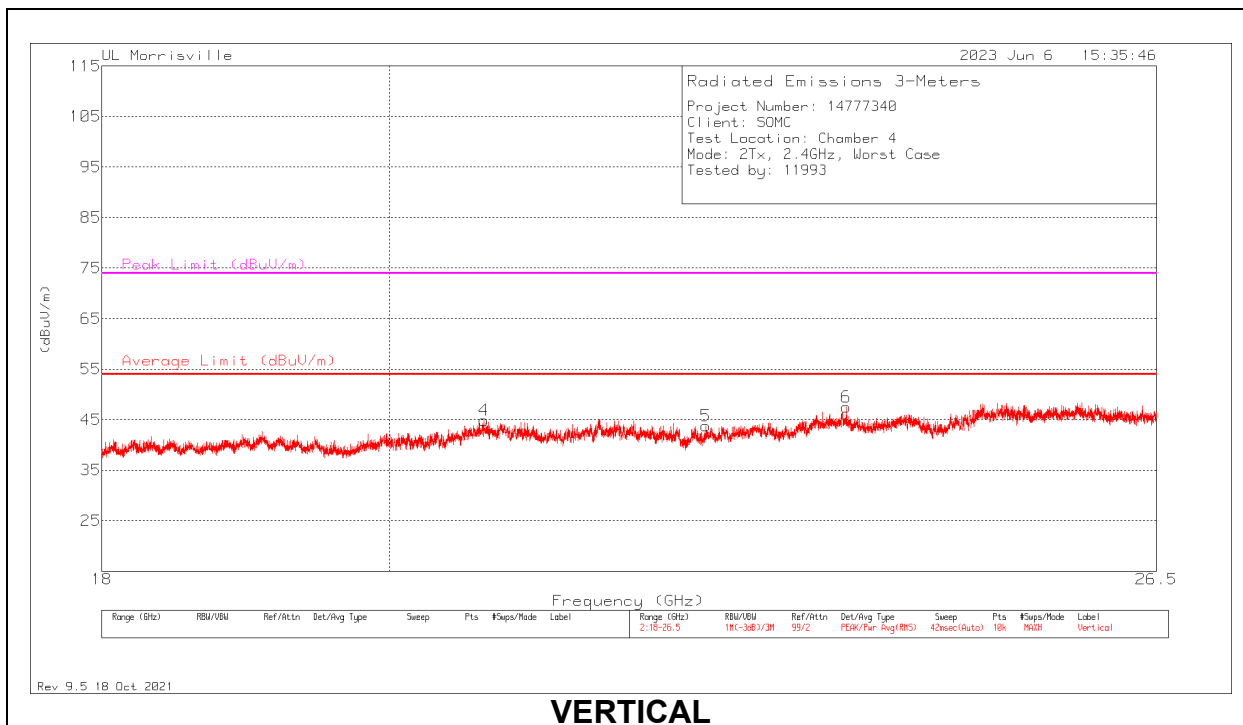
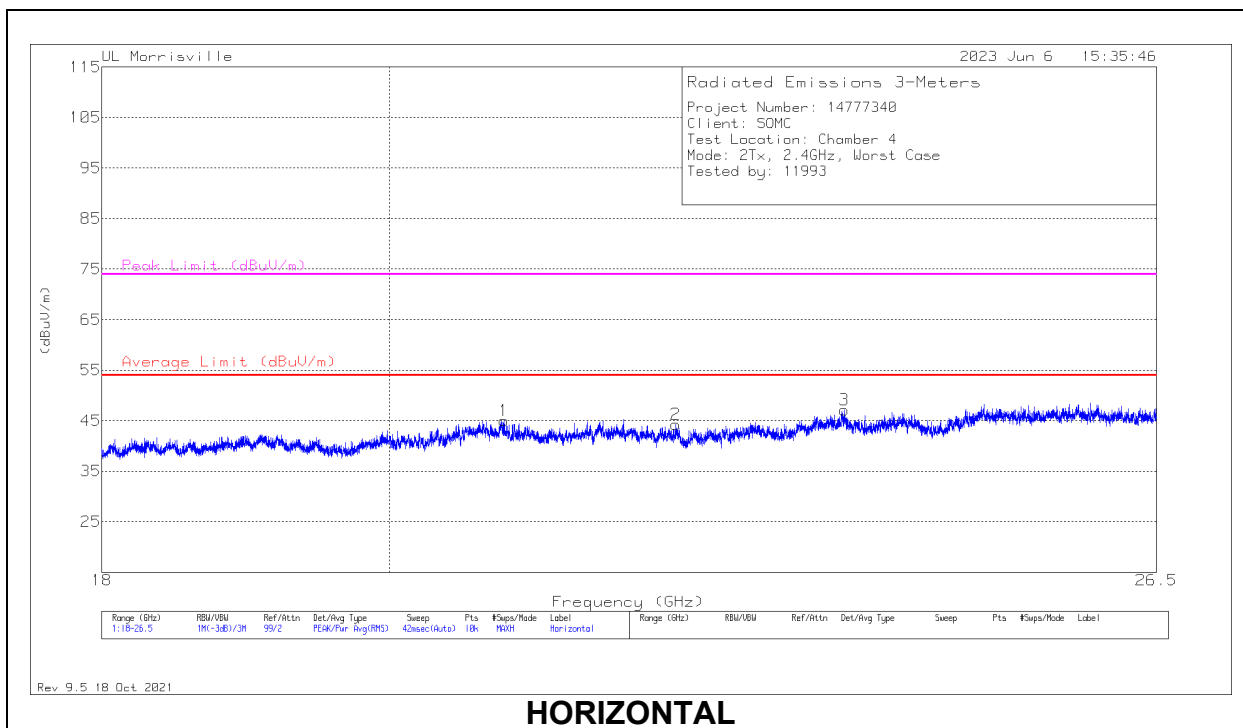
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 162.987	38.28	Pk	18.4	-30.2	26.48	43.52	-17.04	0-360	100	H
2	*** 333.222	33.94	Pk	20.1	-28.8	25.24	46.02	-20.78	0-360	100	H
3	*** 979.727	24.42	Pk	29.2	-24.1	29.52	53.97	-24.45	0-360	100	H
6	*** 166.77	35.06	Pk	18.1	-30.1	23.06	43.52	-20.46	0-360	100	V
7	*** 333.804	30.48	Pk	20.1	-28.8	21.78	46.02	-24.24	0-360	100	V
8	*** 984.868	24.33	Pk	29.3	-24	29.63	53.97	-24.34	0-360	100	V
4	39.215	40.08	Pk	20.2	-31.6	28.68	-	-	0-360	100	V
5	92.08	43.87	Pk	14.5	-30.8	27.57	-	-	0-360	100	V

* - 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



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	* ** 20.86336	50.28	Pk	34	-39.3	44.98	54	-9.02	74	-29.02	0-360	100	H
2	* ** 22.21898	48.71	Pk	34.5	-38.9	44.31	54	-9.69	74	-29.69	0-360	100	H
3	* ** 23.63154	49.44	Pk	35.2	-37.5	47.14	54	-6.86	74	-26.86	0-360	100	H
4	* ** 20.70613	49.89	Pk	34	-39	44.89	54	-9.11	74	-29.11	0-360	150	V
5	* ** 22.46545	48.47	Pk	34.4	-39.1	43.77	54	-10.23	74	-30.23	0-360	300	V
6	* ** 23.64854	50.07	Pk	35.2	-37.8	47.47	54	-6.53	74	-26.53	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

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.

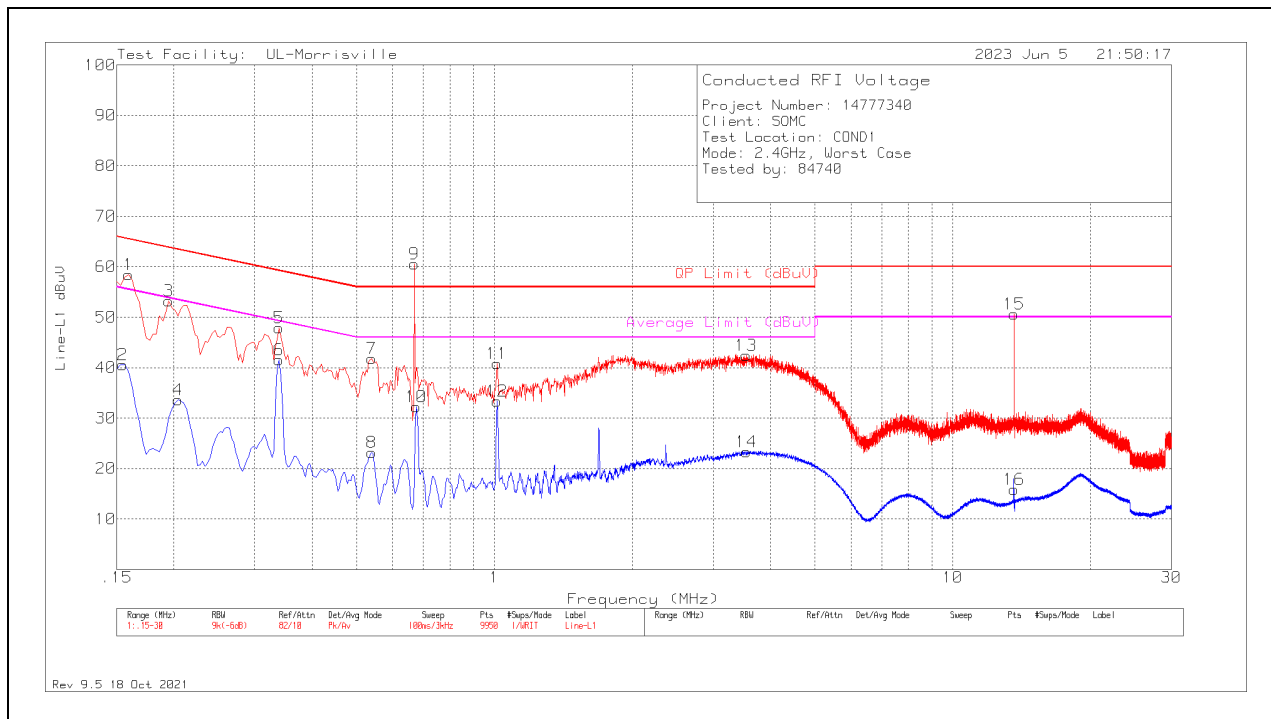
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

RESULTS

11.1.1. AC POWER LINE NORM

LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz

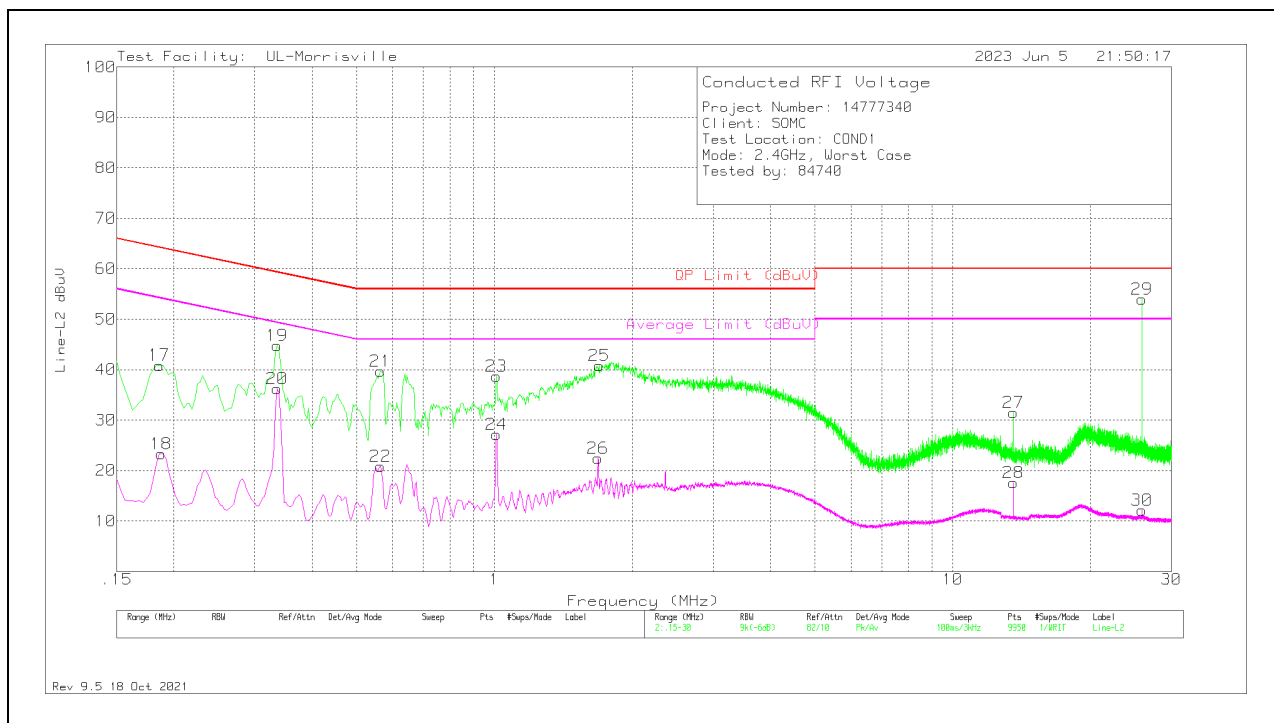
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.159	48.49	Pk	.2	9.8	58.49	65.52	-7.03	-	-
2	.1545	30.51	Av	.2	9.8	40.51	-	-	55.75	-15.24
3	.195	43.25	Pk	.2	9.8	53.25	63.82	-10.57	-	-
4	.204	23.73	Av	.1	9.8	33.63	-	-	53.45	-19.82
5	.339	37.99	Pk	.1	9.8	47.89	59.23	-11.34	-	-
6	.339	31.71	Av	.1	9.8	41.61	-	-	49.23	-7.62
7	.54	32.01	Pk	0	9.8	41.81	56	-14.19	-	-
8	.54	13.34	Av	0	9.8	23.14	-	-	46	-22.86
9	.66756	9.15	Qp	0	9.8	18.95	56	-37.05	-	-
10	.675	22.45	Av	0	9.8	32.25	-	-	46	-13.75
11	1.014	31.06	Pk	0	9.8	40.86	56	-15.14	-	-
12	1.014	23.61	Av	0	9.8	33.41	-	-	46	-12.59
13	3.543	32.68	Pk	0	9.8	42.48	56	-13.52	-	-
14	3.552	13.53	Av	0	9.8	23.33	-	-	46	-22.67
15	13.608	40.51	Pk	.1	10	50.61	60	-9.39	-	-
16	13.608	5.73	Av	.1	10	15.83	-	-	50	-34.17

Pk - Peak detector

Av - Average detection

Qp - Quasi-Peak detector

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)
17	.186	30.87	Pk	.2	9.8	40.87	64.21	-23.34	-	-
18	.1875	13.36	Av	.2	9.8	23.36	-	-	54.15	-30.79
19	.336	34.89	Pk	.1	9.8	44.79	59.3	-14.51	-	-
20	.336	26.31	Av	.1	9.8	36.21	-	-	49.3	-13.09
21	.564	29.84	Pk	0	9.8	39.64	56	-16.36	-	-
22	.564	11.03	Av	0	9.8	20.83	-	-	46	-25.17
23	1.011	28.92	Pk	0	9.8	38.72	56	-17.28	-	-
24	1.011	17.41	Av	0	9.8	27.21	-	-	46	-18.79
25	1.692	31.06	Pk	0	9.8	40.86	56	-15.14	-	-
26	1.683	12.65	Av	0	9.8	22.45	-	-	46	-23.55
27	13.56	21.35	Pk	.1	10	31.45	60	-28.55	-	-
28	13.56	7.45	Av	.1	10	17.55	-	-	50	-32.45
29	25.8763	6.59	Qp	.2	10.2	16.99	60	-43.01	-	-
30	25.875	1.78	Av	.2	10.2	12.18	-	-	50	-37.82

Pk - Peak detector

Av - Average detection

Qp - Quasi-Peak detector

12. SETUP PHOTOS

Please refer to R14777340-EP2 for setup photos

END OF TEST REPORT