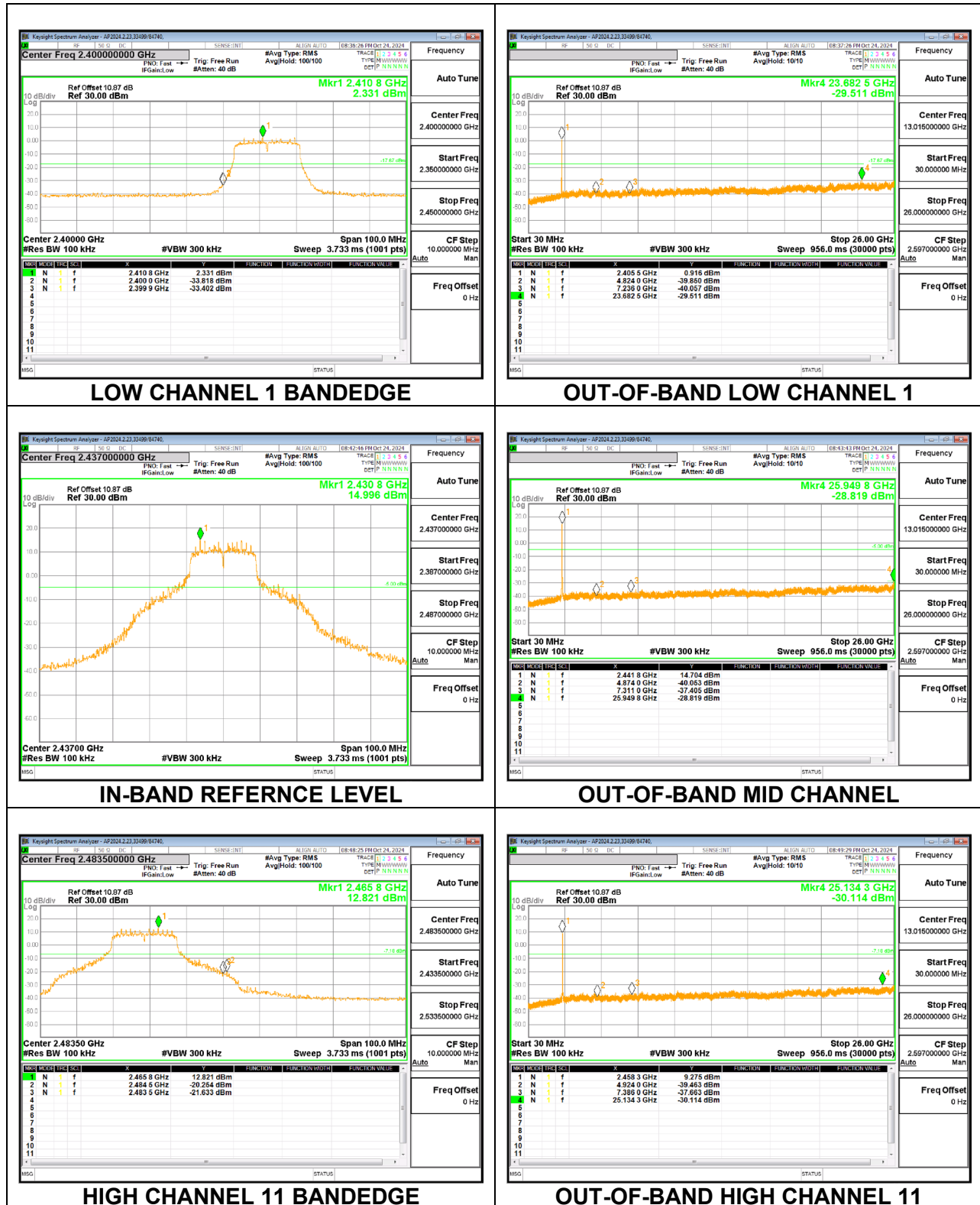
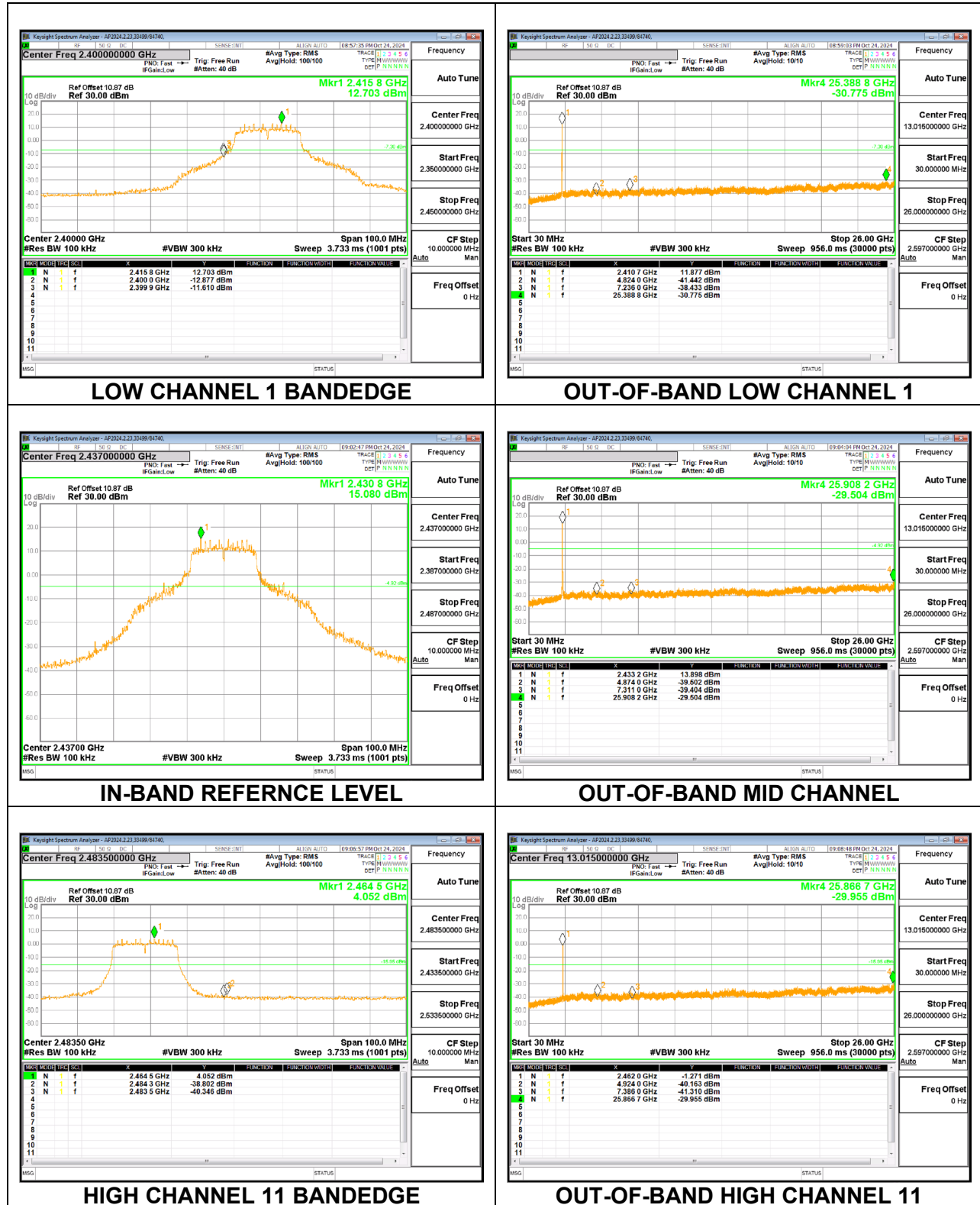


8.7.4. 802.11n HT20 MODE

1TX Antenna 1 MODE



1TX Antenna 2 MODE



9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209
RSS-GEN, Section 8.9 and 8.10

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

Frequency Range (kHz)	Field Strength Limit (uA/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	6.37/F(kHz) @ 300 m	-
0.490-1.705	63.7/F(kHz) @ 30 m	-
1.705 - 30	0.08 @ 30m	-

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

Radiated emissions in restricted frequency bands: ANSI C63.10 Subclause -11.12.1, 6.3 thru 6.6

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz for peak measurements. For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements. Linear Voltage Averaging was used.

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).

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.

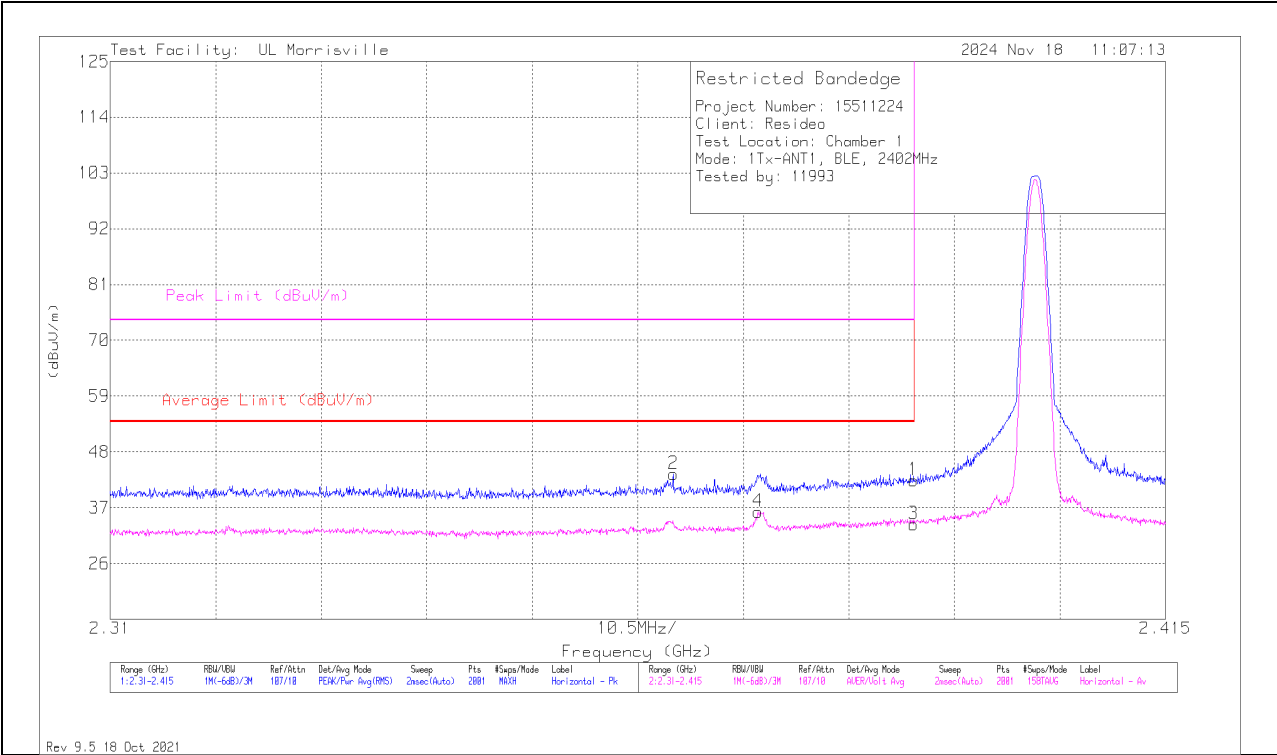
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. BLE (1Mbps)

Antenna 1

BANDEDGE (LOW CHANNEL)

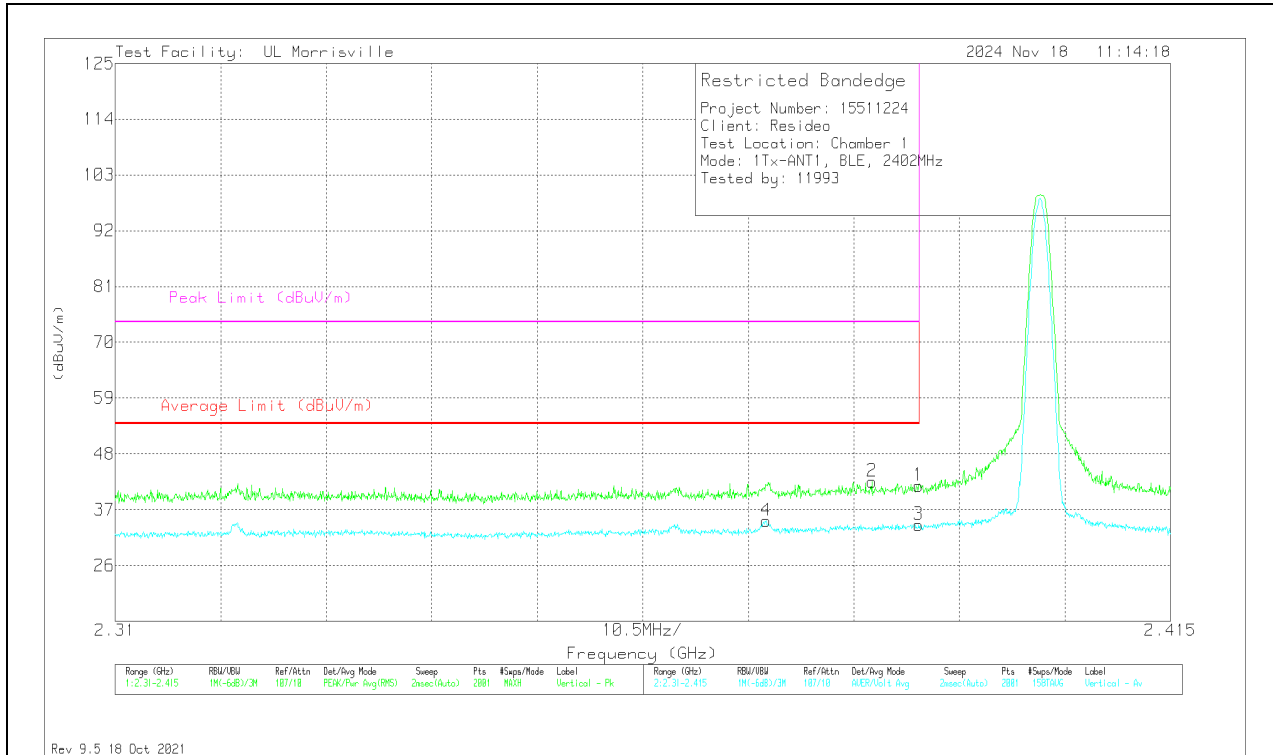
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	34.5	PK	31.9	-24	0	42.4	-	-	74	-31.6	266	121	H
2	* ** 2.36602	36.03	PK	31.9	-24.3	0	43.63	-	-	74	-30.37	266	121	H
3	* ** 2.38996	21.82	ADV	31.9	-24	4.02	33.74	54	-20.26	-	-	266	121	H
4	* ** 2.37447	24.55	ADV	31.9	-24.3	4.02	36.17	54	-17.83	-	-	266	121	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	135143 (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	33.78	Pk	31.9	-24	0	41.68	-	-	74	-32.32	291	121	V
2	*** 2.38529	34.58	Pk	31.9	-24	0	42.48	-	-	74	-31.52	291	121	V
3	*** 2.38996	22.12	ADV	31.9	-24	4.02	34.04	54	-19.96	-	-	291	121	V
4	*** 2.37479	23.14	ADV	31.9	-24.3	4.02	34.76	54	-19.24	-	-	291	121	V

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

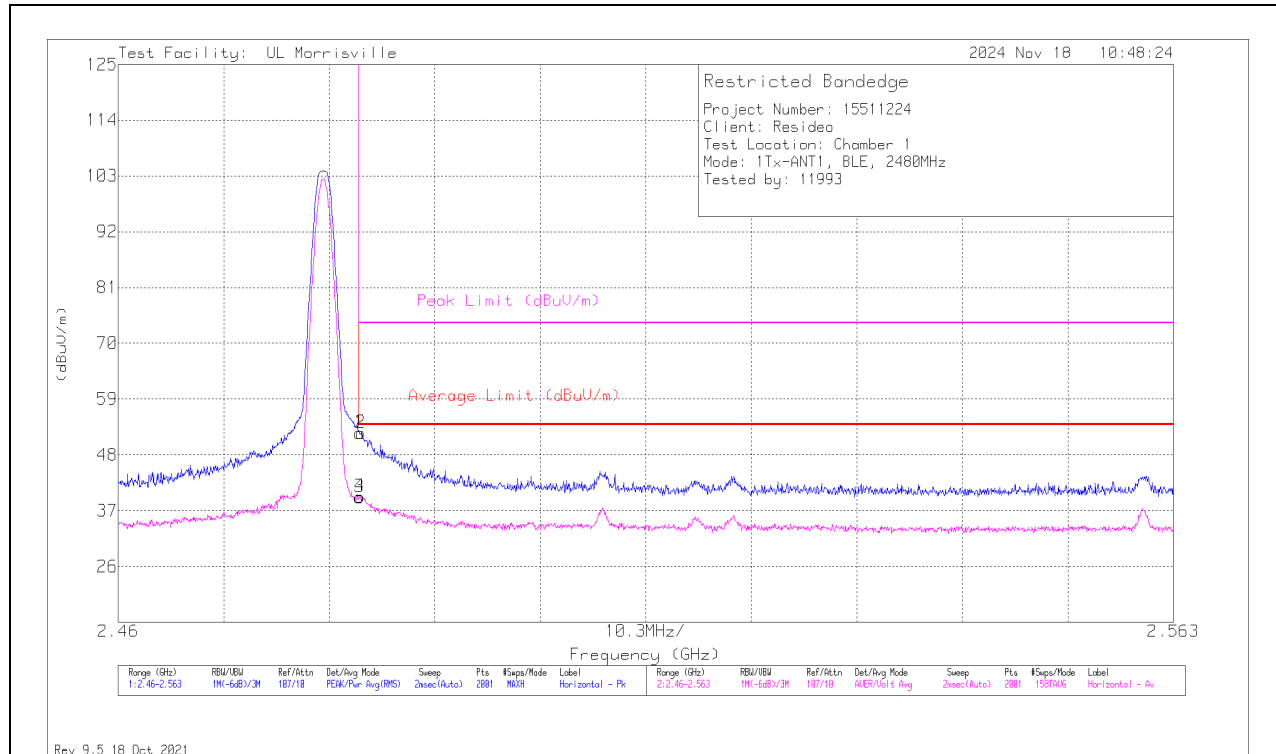
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	43.78	Pk	32.2	-23.7	0	52.28	-	-	74	-21.72	256	128	H
2	* ** 2.48369	43.79	Pk	32.2	-23.7	0	52.29	-	-	74	-21.71	256	128	H
3	* ** 2.48354	27.15	ADV	32.2	-23.7	4.02	39.67	54	-14.33	-	-	256	128	H
4	* ** 2.48359	27.29	ADV	32.2	-23.7	4.02	39.81	54	-14.19	-	-	256	128	H

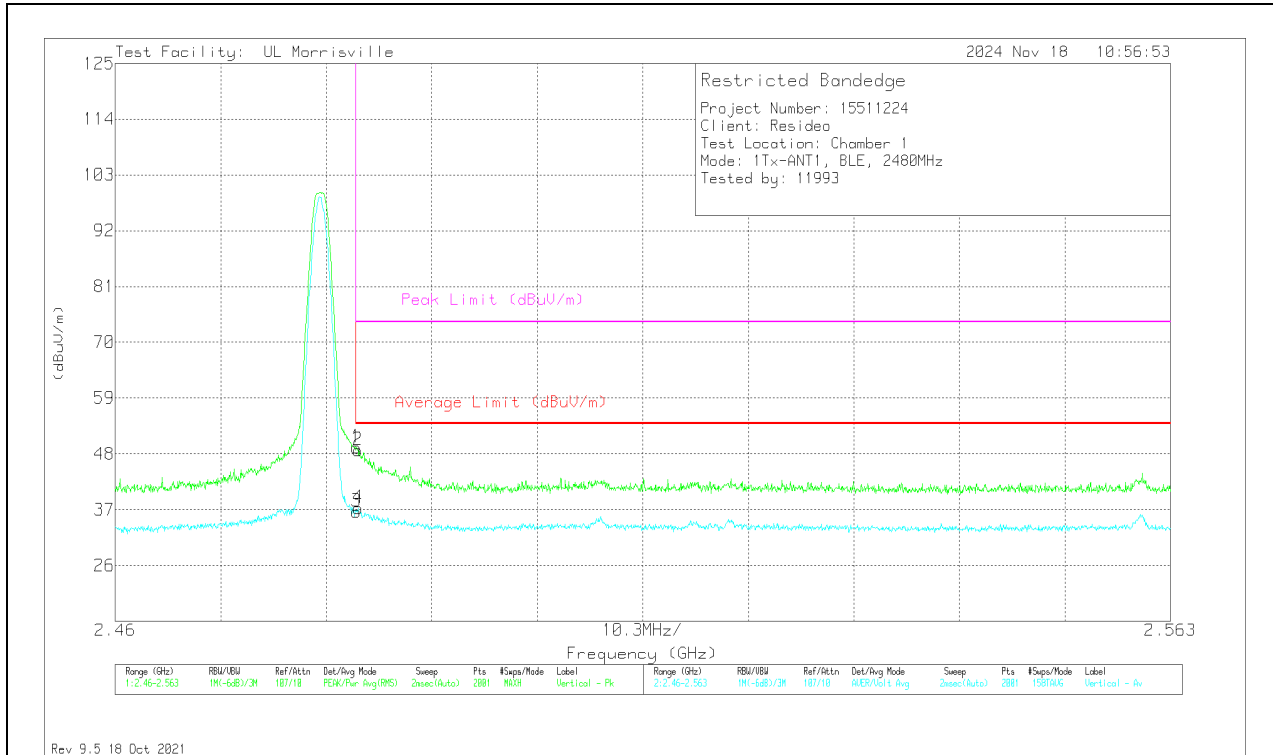
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	40.83	Pk	32.2	-23.7	0	49.33	-	-	74	-24.67	74	145	V
2	*** 2.48369	40.27	Pk	32.2	-23.7	0	48.77	-	-	74	-25.23	74	145	V
3	** 2.48354	24.07	ADV	32.2	-23.7	4.02	36.59	54	-17.41	-	-	74	145	V
4	*** 2.48374	24.83	ADV	32.2	-23.7	4.02	37.35	54	-16.65	-	-	74	145	V

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

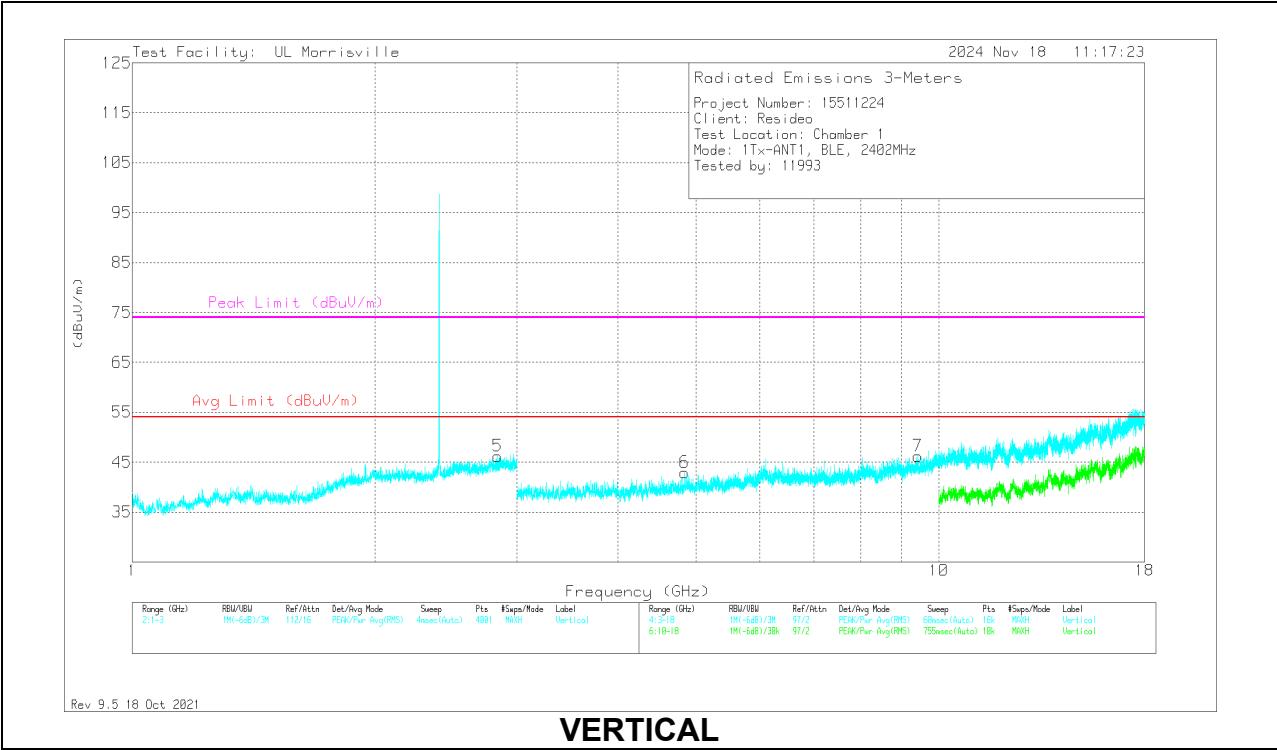
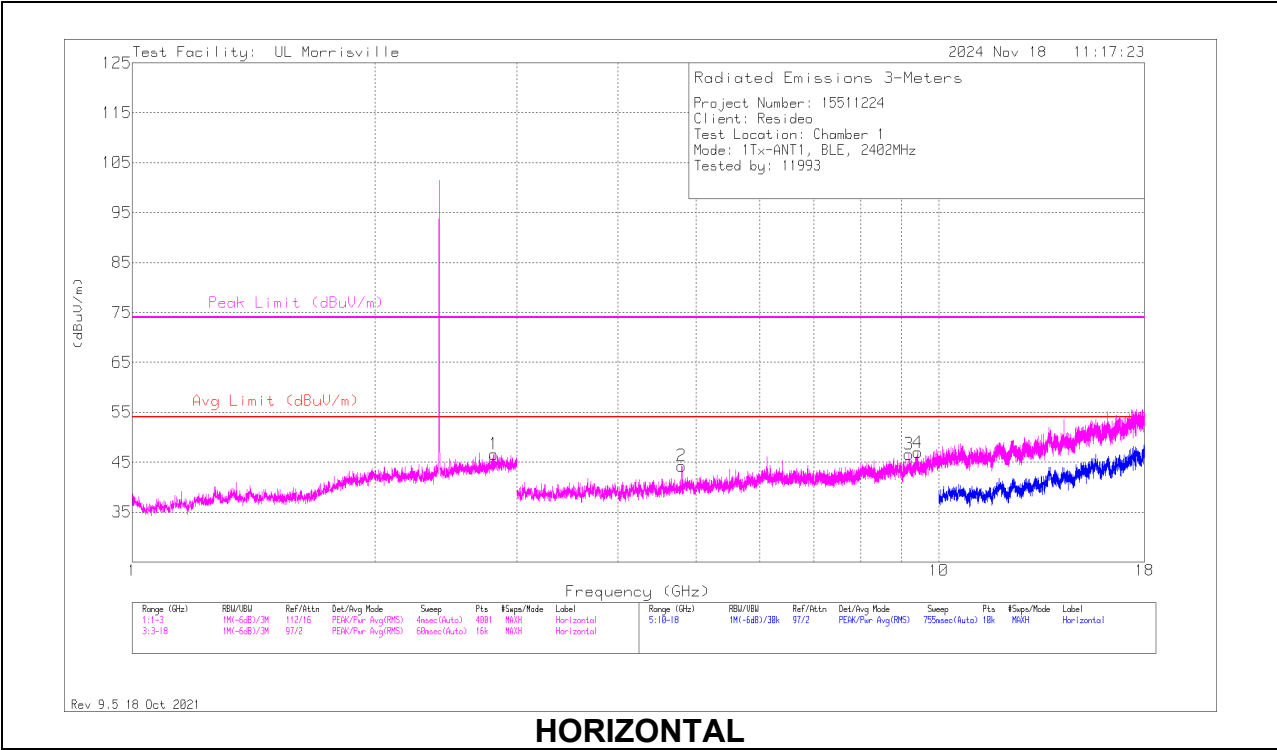
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

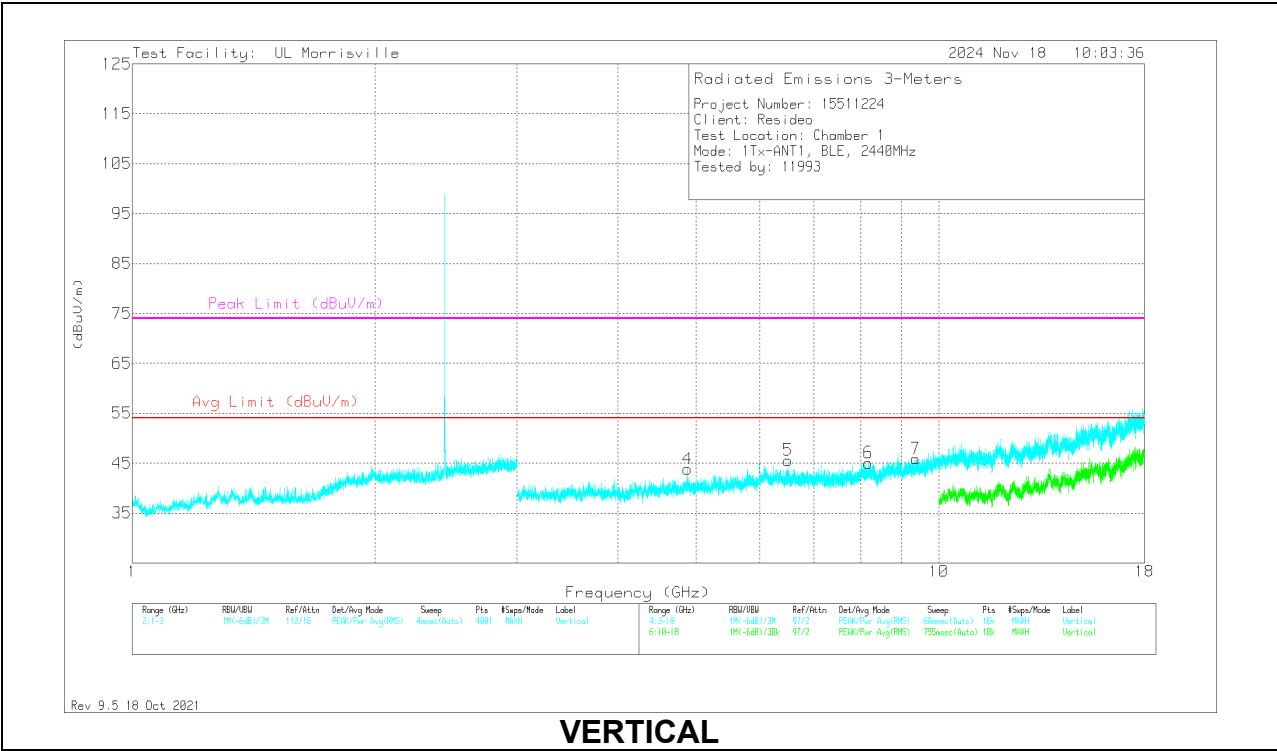
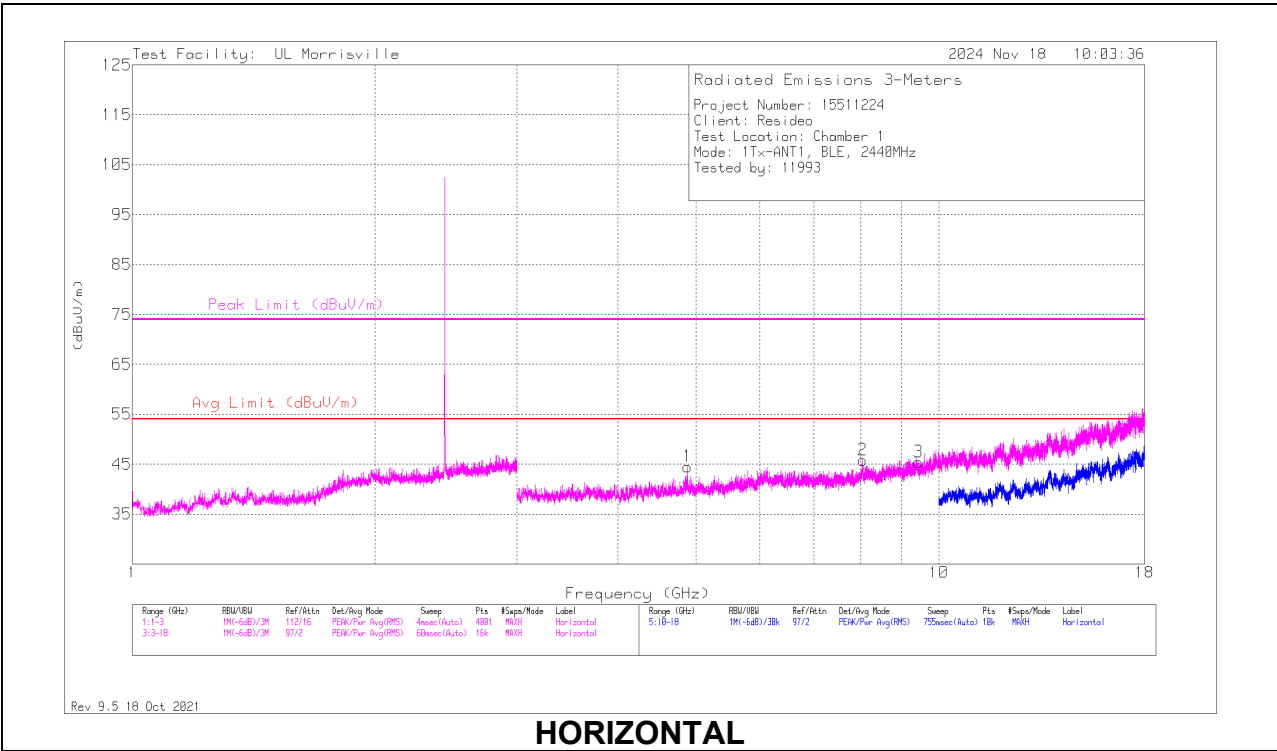
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.807	37.82	Pk	32.5	-23.7	46.62	54	-7.38	74	-27.38	0-360	200	H
5	* ** 2.84	37.53	Pk	32.5	-23.8	46.23	54	-7.77	74	-27.77	0-360	101	V
2	* ** 4.80281	55.96	Pk	33.9	-45.6	44.26	54	-9.74	74	-29.74	0-360	101	H
3	* ** 9.17813	50.5	Pk	36	-39.9	46.6	54	-7.4	74	-27.4	0-360	199	H
4	* ** 9.41531	50.32	Pk	36.3	-39.7	46.92	54	-7.08	74	-27.08	0-360	199	H
6	* ** 4.84125	54.02	Pk	33.9	-45	42.92	54	-11.08	74	-31.08	0-360	101	V
7	* ** 9.42	49.79	Pk	36.3	-39.9	46.19	54	-7.81	74	-27.81	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



RADIATED EMISSIONS

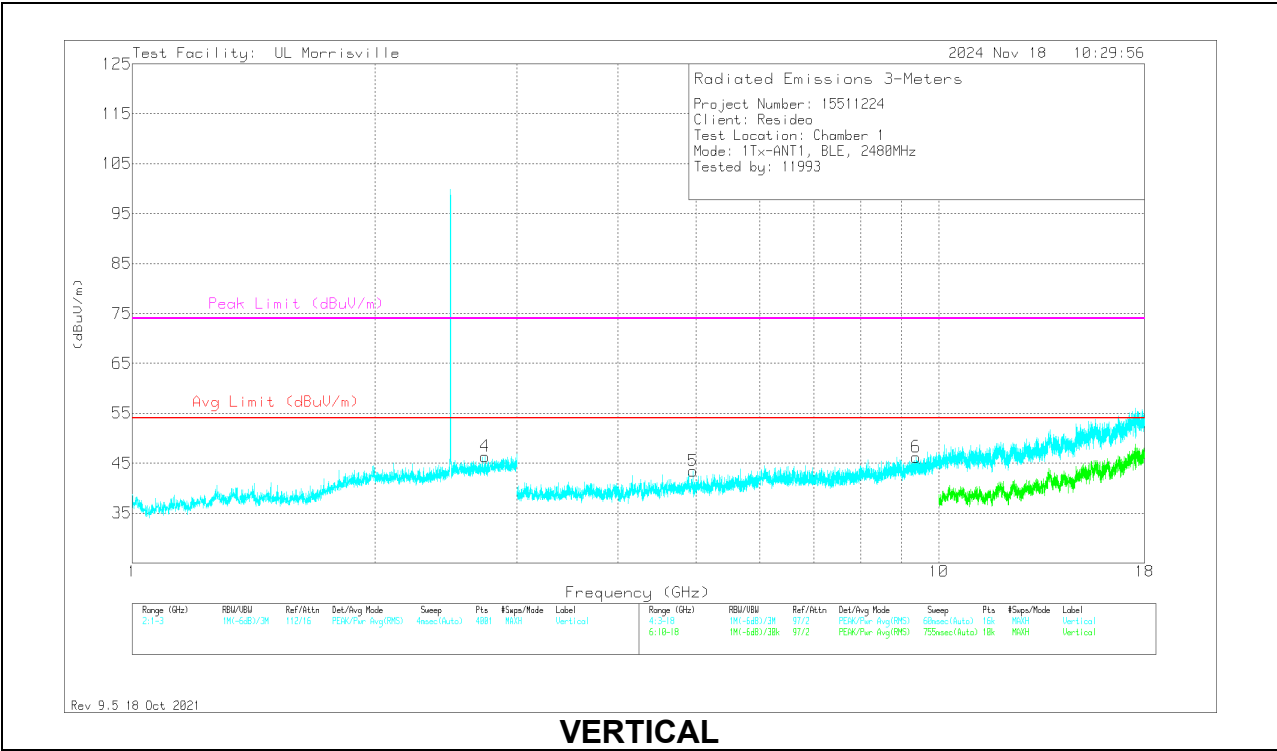
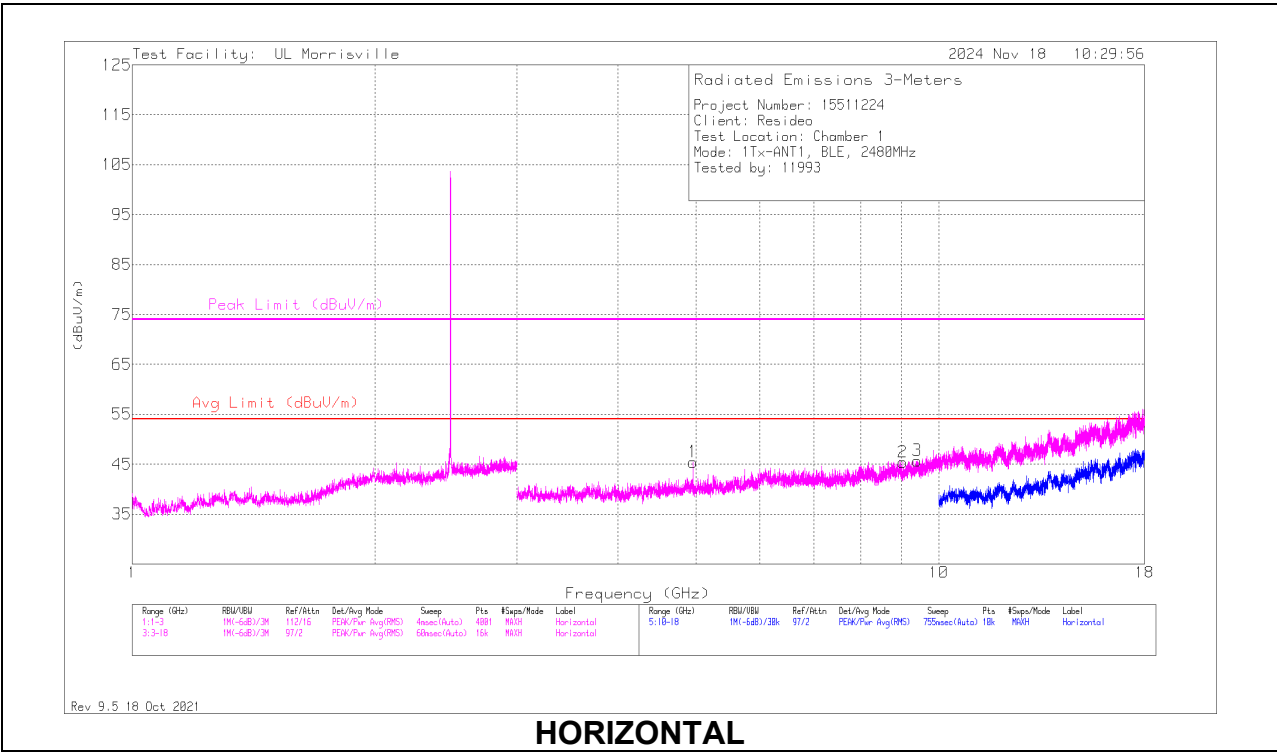
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.87969	55.23	Pk	34	-44.7	44.53	54	-9.47	74	-29.47	0-360	101	H
2	*** 8.05313	50.47	Pk	35.9	-40.6	45.77	54	-8.23	74	-28.23	0-360	199	H
3	*** 9.4425	49.62	Pk	36.3	-40.5	45.42	54	-8.58	74	-28.58	0-360	199	H
4	*** 4.87875	54.49	Pk	34	-44.7	43.79	54	-10.21	74	-30.21	0-360	200	V
6	*** 8.17875	50.17	Pk	35.9	-41	45.07	54	-8.93	74	-28.93	0-360	101	V
7	*** 9.36656	50.17	Pk	36.2	-40.5	45.87	54	-8.13	74	-28.13	0-360	101	V
5	6.50625	52.96	Pk	35.6	-43	45.56	-	-	-	-	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



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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
4	*** 2.7395	37.49	Pk	32.6	-23.8	46.29	54	-7.71	74	-27.71	0-360	101	V
1	*** 4.95938	56	Pk	34.2	-44.8	45.4	54	-8.6	74	-28.6	0-360	101	H
2	*** 9.03188	48.96	Pk	35.8	-39.4	45.36	54	-8.64	74	-28.64	0-360	200	H
3	*** 9.41063	49.72	Pk	36.3	-40.3	45.72	54	-8.28	74	-28.28	0-360	101	H
5	*** 4.96031	53.99	Pk	34.2	-44.8	43.39	54	-10.61	74	-30.61	0-360	101	V
6	*** 9.37688	50.35	Pk	36.2	-40.3	46.25	54	-7.75	74	-27.75	0-360	101	V

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

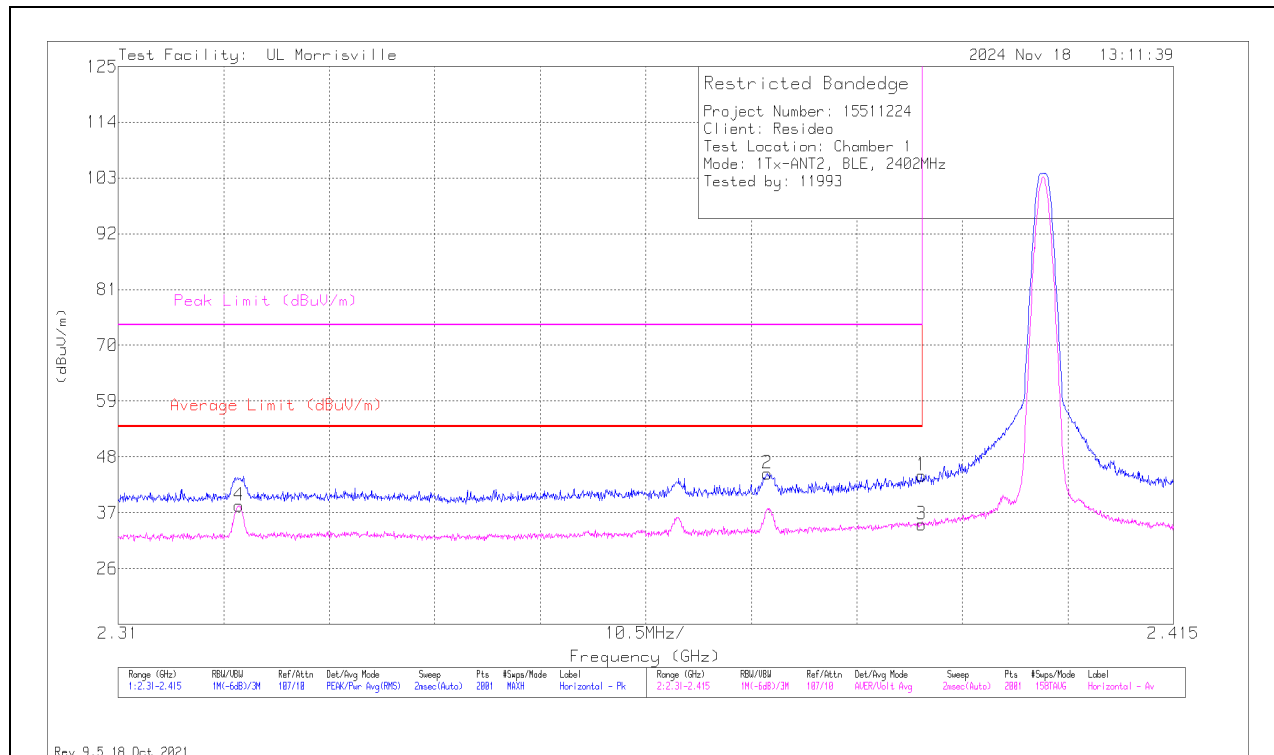
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

Antenna 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	36.43	Pk	31.9	-24	0	44.33	-	-	74	-29.67	285	116	H
2	* ** 2.37458	37.19	Pk	31.9	-24.3	0	44.79	-	-	74	-29.21	285	116	H
3	* ** 2.38996	22.73	ADV	31.9	-24	4.02	34.65	54	-19.35	-	-	285	116	H
4	* ** 2.32202	27.03	ADV	31.7	-24.3	4.02	38.45	54	-15.55	-	-	285	116	H

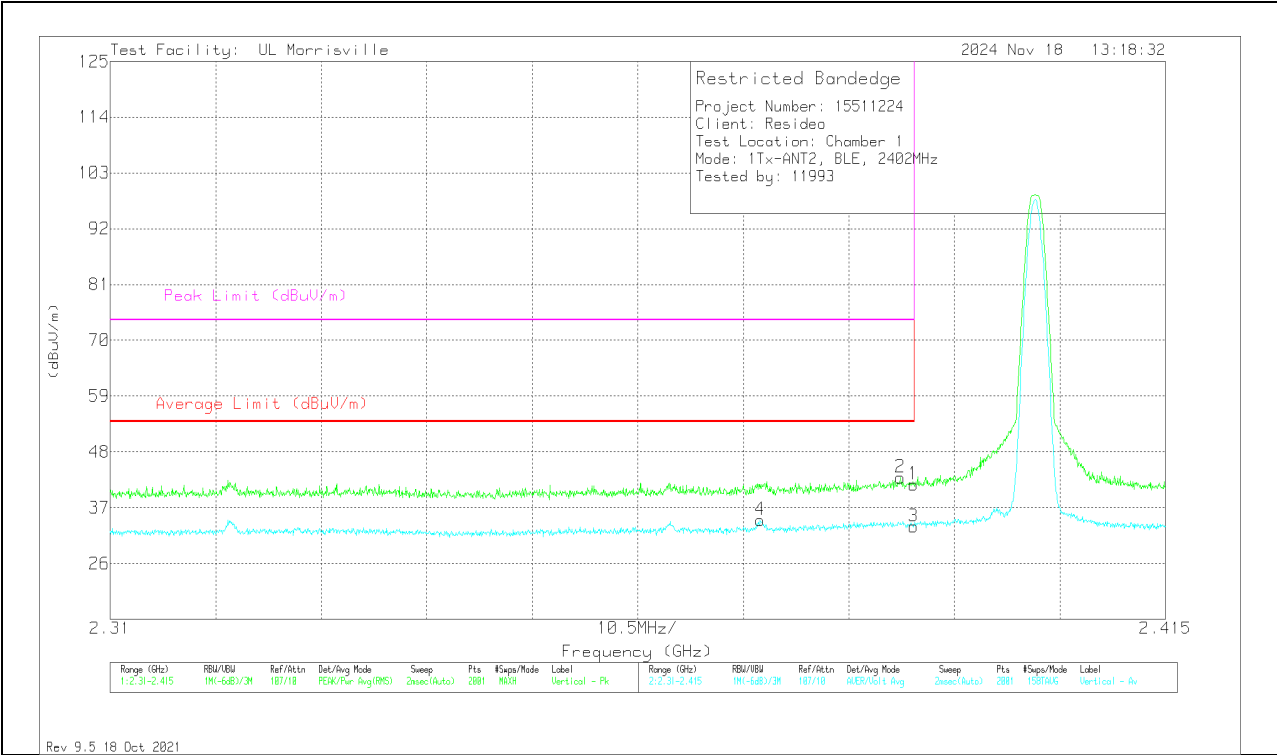
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

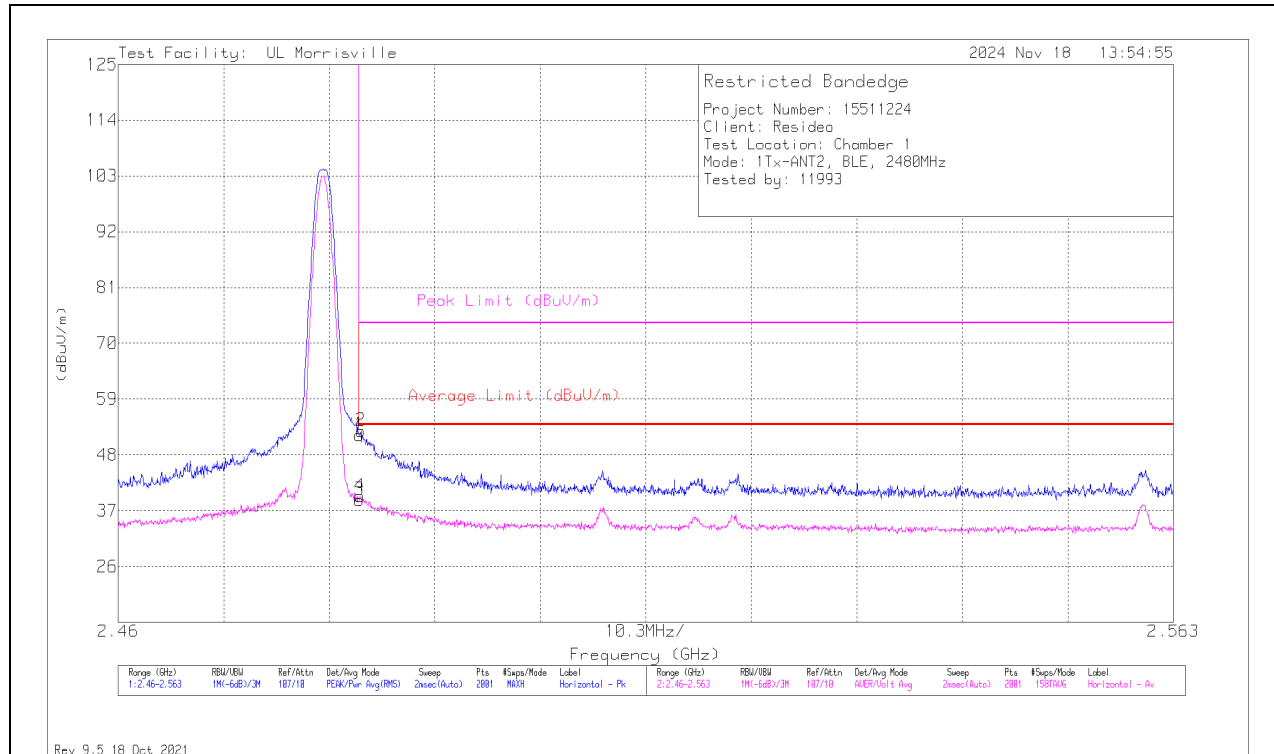


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	33.62	Pk	31.9	-24	0	41.52	-	-	74	-32.48	62	106	V
2	*** 2.38859	35.02	Pk	31.9	-24	0	42.92	-	-	74	-31.08	62	106	V
3	*** 2.38996	21.32	ADV	31.9	-24	4.02	33.24	54	-20.76	-	-	62	106	V
4	*** 2.37468	22.97	ADV	31.9	-24.3	4.02	34.59	54	-19.41	-	-	62	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)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	43.42	Pk	32.2	-23.7	0	51.92	-	-	74	-22.08	283	109	H
2	* ** 2.48369	44.22	Pk	32.2	-23.7	0	52.72	-	-	74	-21.28	283	109	H
3	* ** 2.48354	26.53	ADV	32.2	-23.7	4.02	39.05	54	-14.95	-	-	283	109	H
4	* ** 2.48359	27.33	ADV	32.2	-23.7	4.02	39.85	54	-14.15	-	-	283	109	H

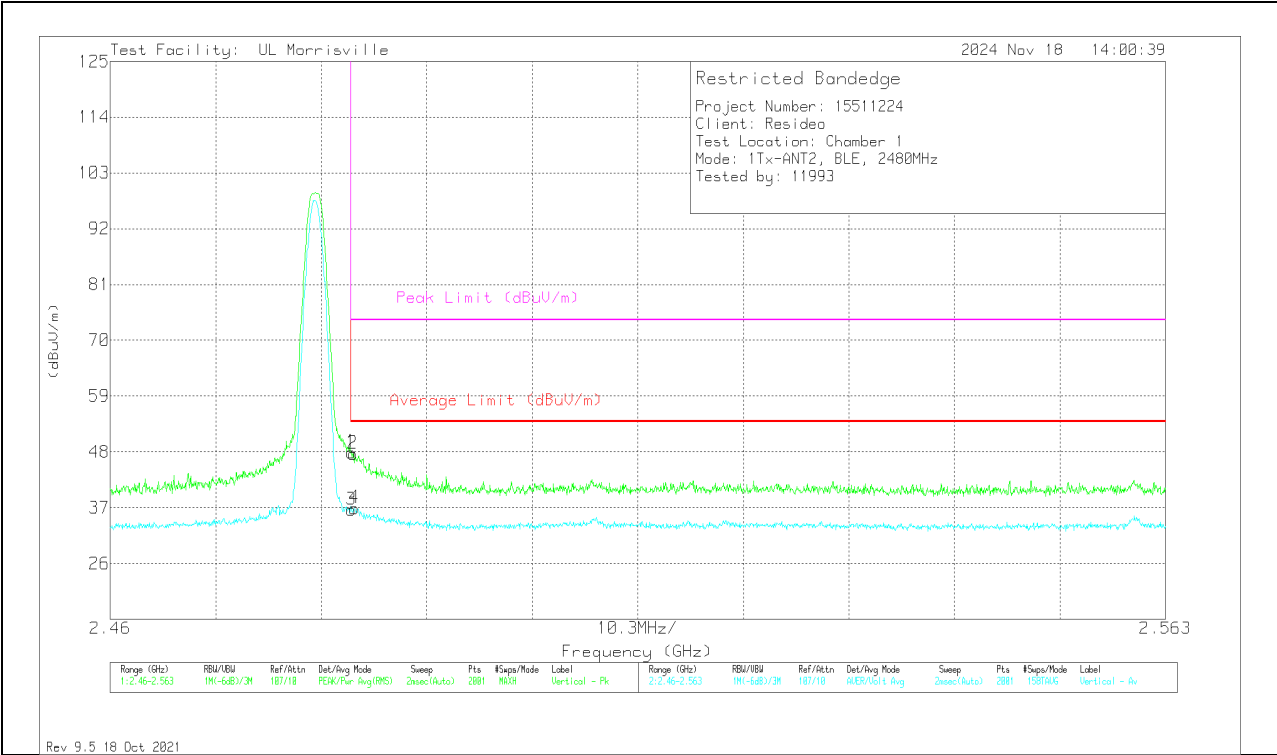
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

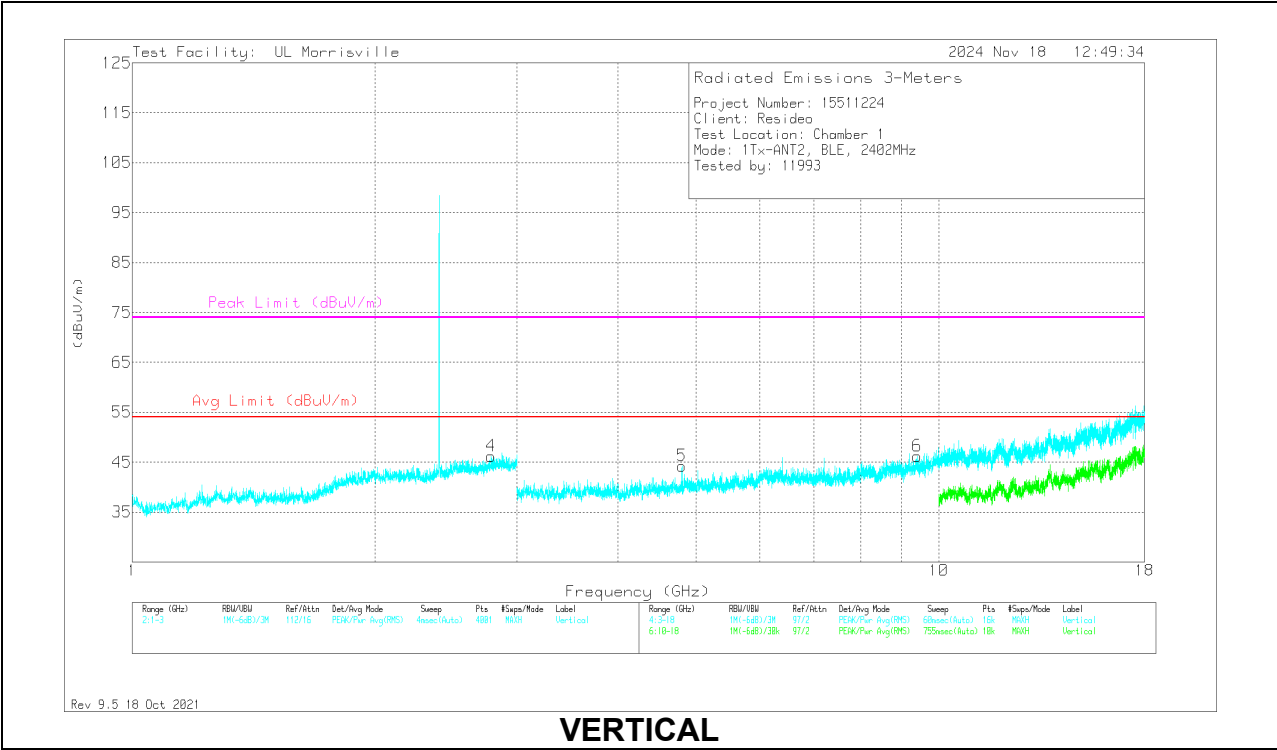
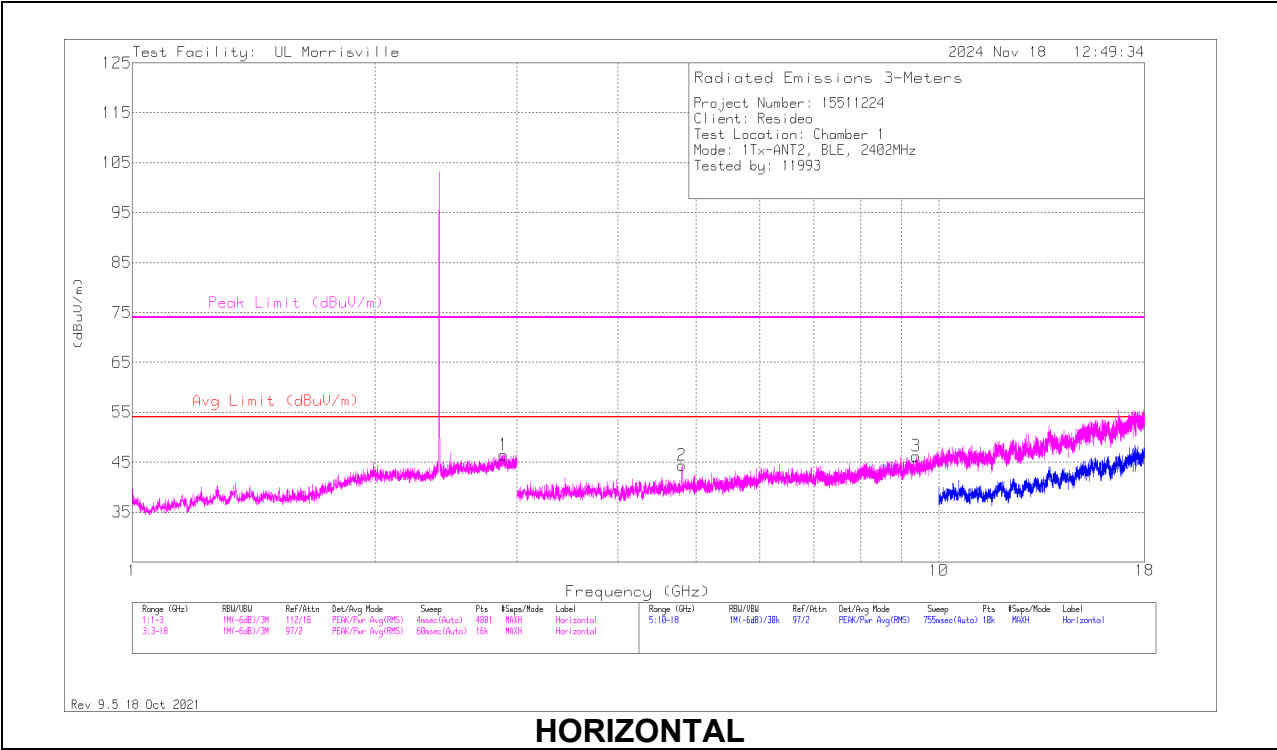


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	39.41	Pk	32.2	-23.7	0	47.91	-	-	74	-26.09	49	146	V
2	*** 2.48369	39.16	Pk	32.2	-23.7	0	47.66	-	-	74	-26.34	49	146	V
3	*** 2.48354	24.03	ADV	32.2	-23.7	4.02	36.55	54	-17.45	-	-	49	146	V
4	*** 2.48384	24.33	ADV	32.2	-23.7	4.02	36.85	54	-17.15	-	-	49	146	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 RESULTS



RADIATED EMISSIONS

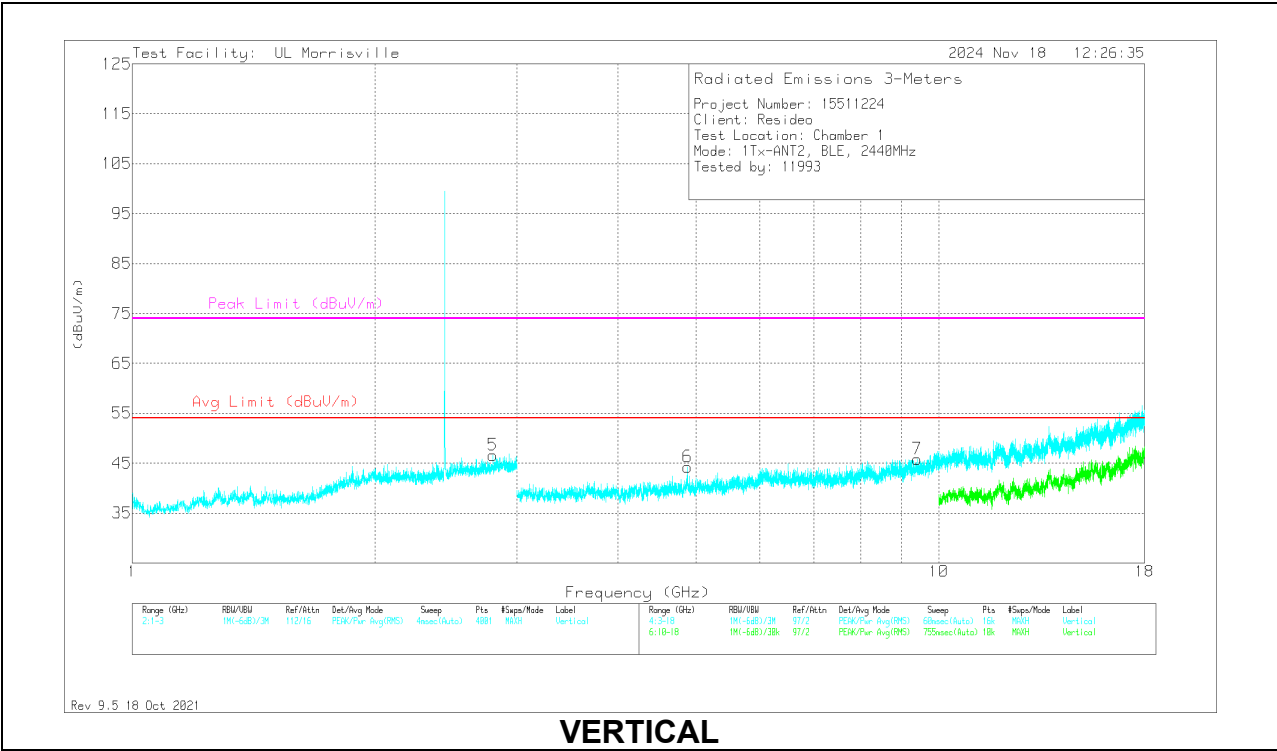
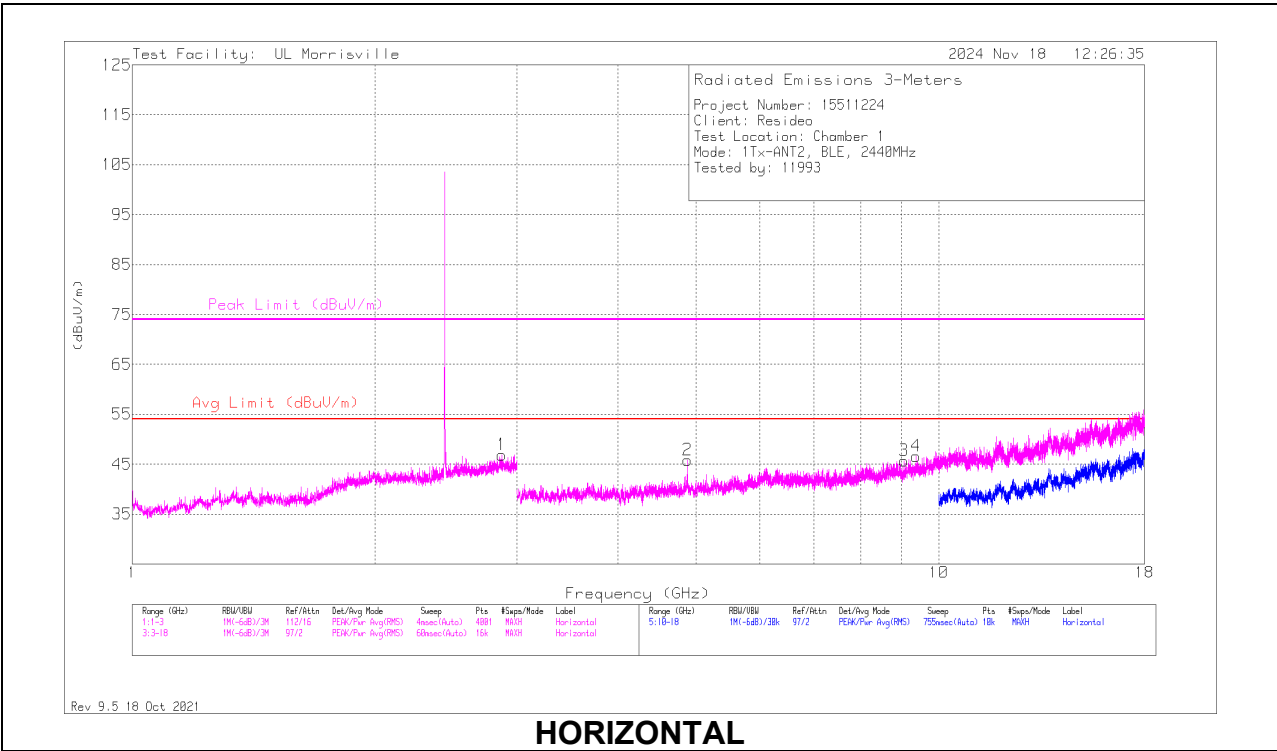
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.889	37.35	Pk	32.5	-23.4	46.45	54	-7.55	74	-27.55	0-360	101	H
4	* ** 2.7875	37.32	Pk	32.5	-23.6	46.22	54	-7.78	74	-27.78	0-360	101	V
2	* ** 4.80375	56.04	Pk	33.9	-45.6	44.34	54	-9.66	74	-29.66	0-360	199	H
3	* ** 9.38063	50.45	Pk	36.2	-40.4	46.25	54	-7.75	74	-27.75	0-360	199	H
5	* ** 4.80375	55.91	Pk	33.9	-45.6	44.21	54	-9.79	74	-29.79	0-360	101	V
6	* ** 9.40125	50.48	Pk	36.3	-40.6	46.18	54	-7.82	74	-27.82	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



RADIATED EMISSIONS

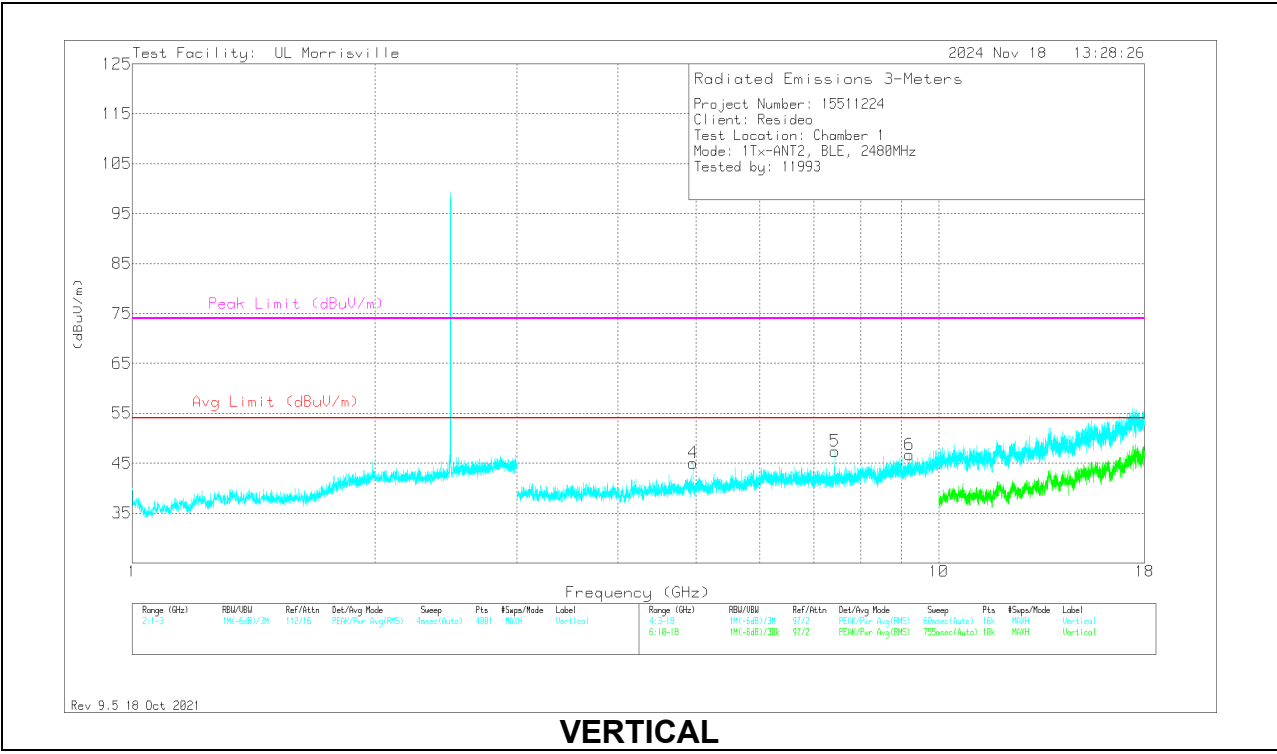
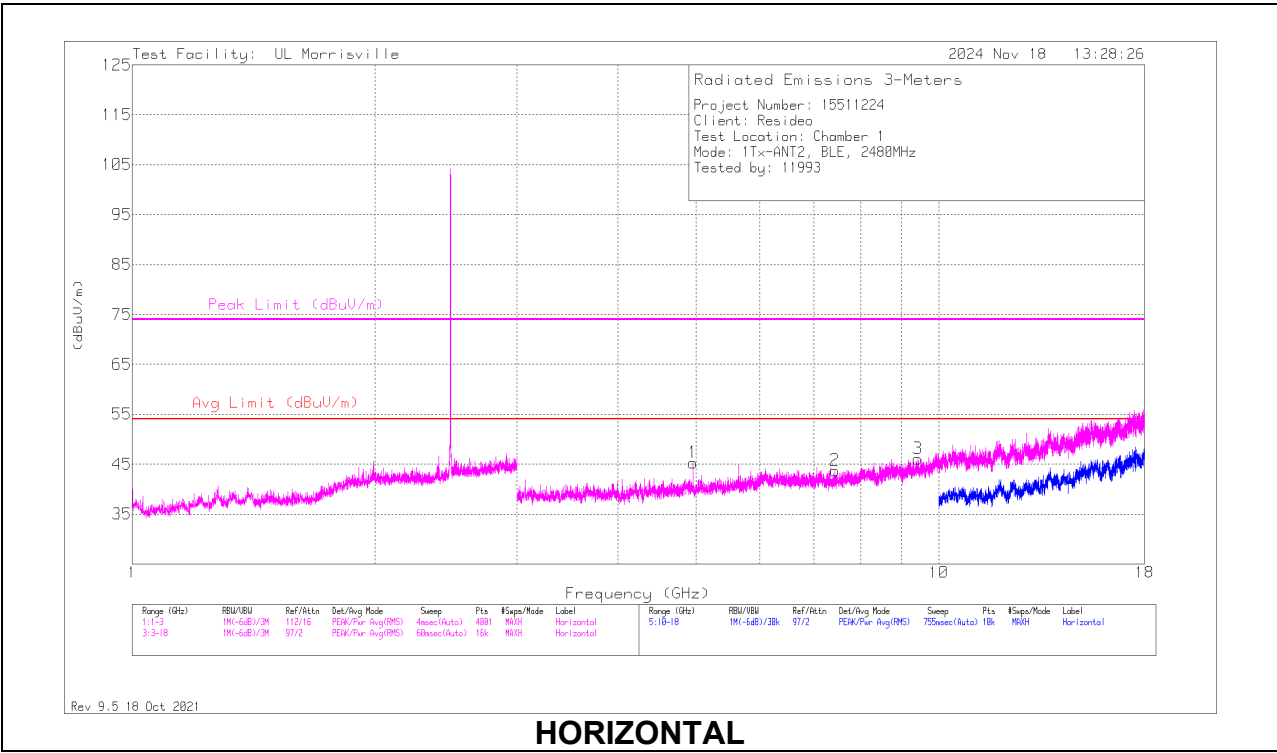
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.871	37.94	Pk	32.5	-23.6	46.84	54	-7.16	74	-27.16	0-360	199	H
5	* ** 2.801	37.89	Pk	32.5	-23.8	46.59	54	-7.41	74	-27.41	0-360	101	V
2	* ** 4.88063	56.48	Pk	34	-44.7	45.78	54	-8.22	74	-28.22	0-360	200	H
3	* ** 9.06469	50.28	Pk	35.8	-40.4	45.68	54	-8.32	74	-28.32	0-360	200	H
4	* ** 9.37406	50.55	Pk	36.2	-40.2	46.55	54	-7.45	74	-27.45	0-360	200	H
6	* ** 4.87969	54.95	Pk	34	-44.7	44.25	54	-9.75	74	-29.75	0-360	101	V
7	* ** 9.40125	50.1	Pk	36.3	-40.6	45.8	54	-8.2	74	-28.2	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 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	*** 4.95938	55.93	Pk	34.2	-44.8	45.33	54	-8.67	74	-28.67	0-360	101	H
2	*** 7.43953	49.32	Pk	35.4	-41	43.72	54	-10.28	74	-30.28	0-360	101	H
3	*** 9.41813	49.53	Pk	36.3	-39.8	46.03	54	-7.97	74	-27.97	0-360	200	H
4	*** 4.95938	55.67	Pk	34.2	-44.8	45.07	54	-8.93	74	-28.93	0-360	101	V
5	*** 7.43906	53.01	Pk	35.4	-41	47.41	54	-6.59	74	-26.59	0-360	101	V
6	*** 9.19688	50.37	Pk	36	-39.7	46.67	54	-7.33	74	-27.33	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

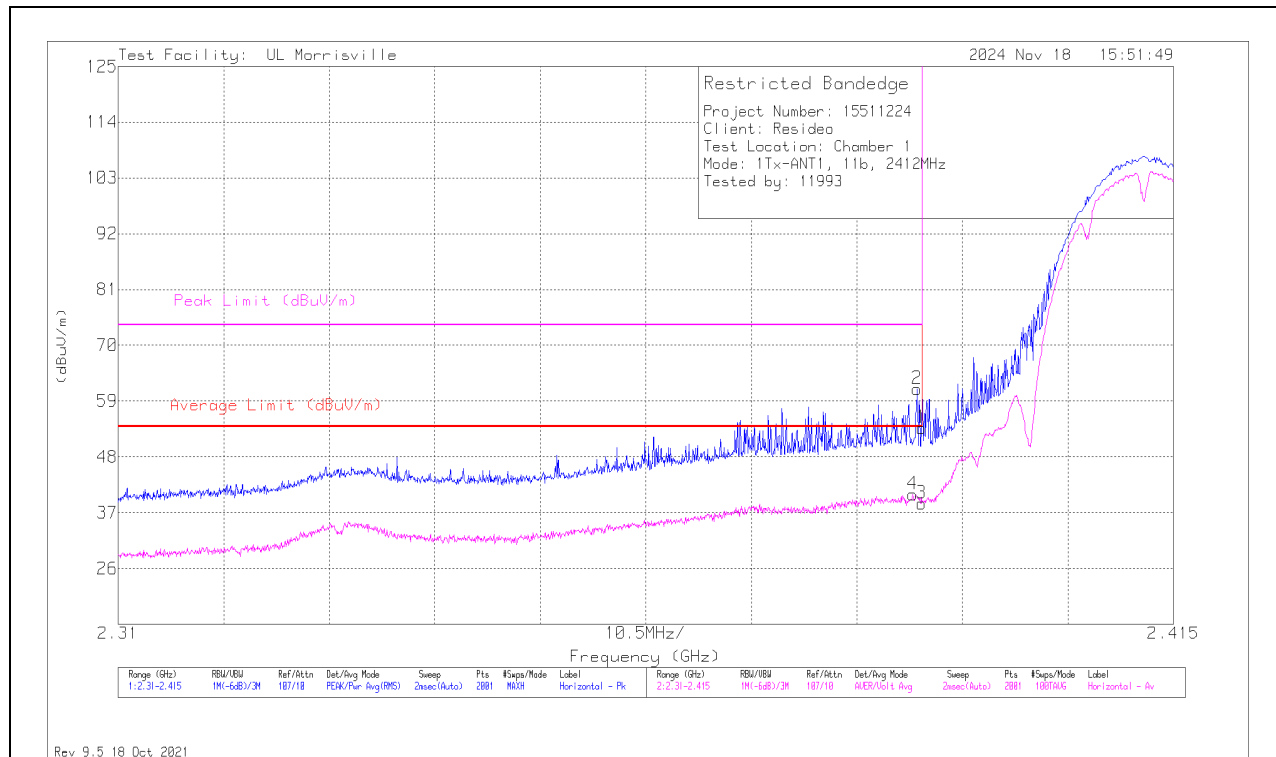
Pk - Peak detector

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	45.8	Pk	31.9	-24	53.7	-	-	74	-20.3	279	126	H
2	*** 2.38949	53.5	Pk	31.9	-24	61.4	-	-	74	-12.6	279	126	H
3	*** 2.38996	30.97	ADV	31.9	-24	38.87	54	-15.13	-	-	279	126	H
4	*** 2.38907	32.65	ADV	31.9	-24	40.55	54	-13.45	-	-	279	126	H

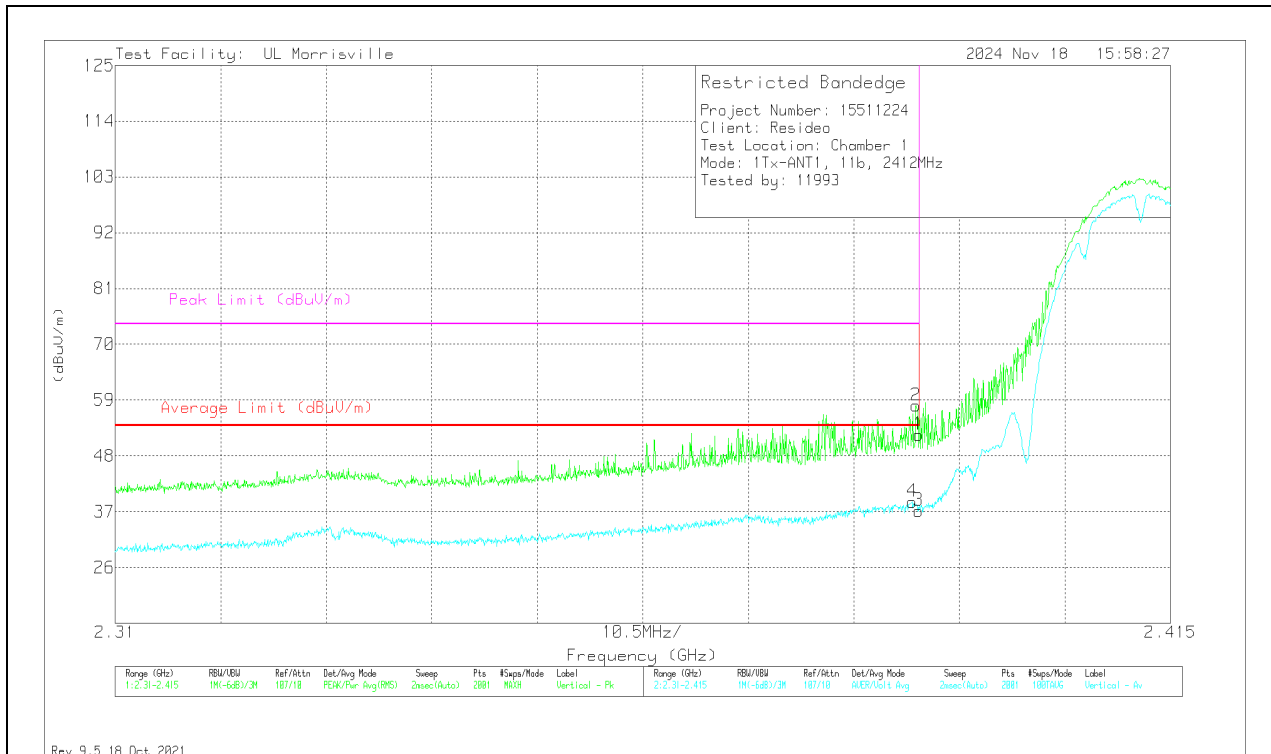
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	44.31	Pk	31.9	-24	52.21	-	-	74	-21.79	349	105	V
2	*** 2.3897	49.99	Pk	31.9	-24	57.89	-	-	74	-16.11	349	105	V
3	*** 2.38996	29.31	ADV	31.9	-24	37.21	54	-16.79	-	-	349	105	V
4	*** 2.38928	31	ADV	31.9	-24	38.9	54	-15.1	-	-	349	105	V

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

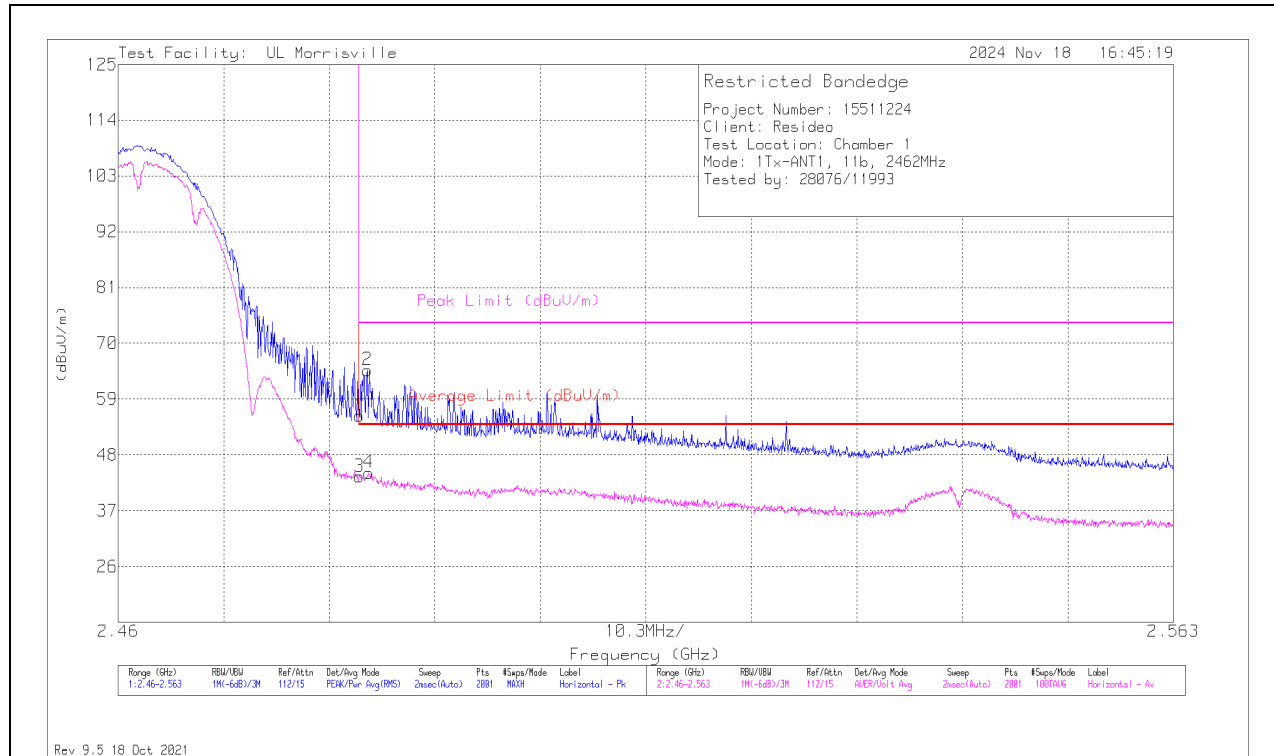
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	47.28	Pk	32.2	-23.7	55.78	-	-	74	-18.22	77	249	H
2	* ** 2.48431	56.27	Pk	32.2	-23.8	64.67	-	-	74	-9.33	77	249	H
3	* ** 2.48354	35.2	ADV	32.2	-23.7	43.7	54	-10.3	-	-	77	249	H
4	* ** 2.48446	36.04	ADV	32.2	-23.8	44.44	54	-9.56	-	-	77	249	H

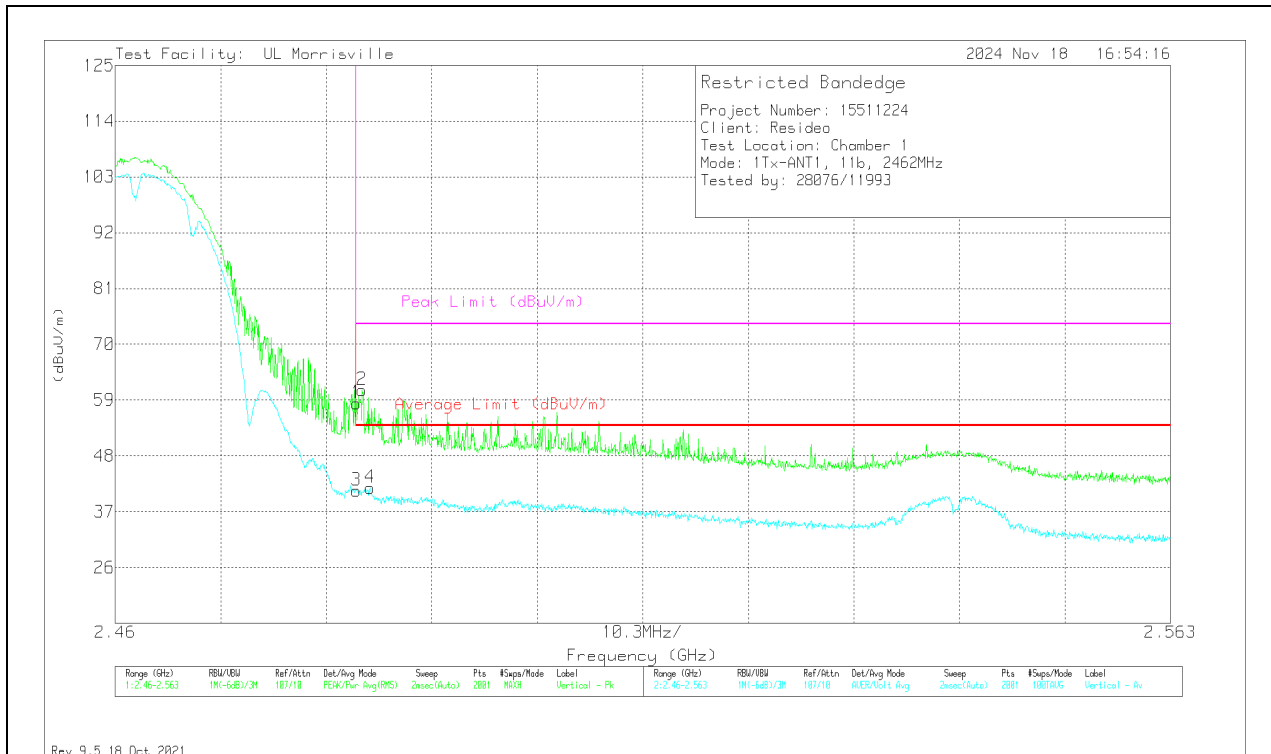
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	49.84	Pk	32.2	-23.7	58.34	-	-	74	-15.66	257	135	V
2	*** 2.4841	52.58	Pk	32.2	-23.8	60.98	-	-	74	-13.02	257	135	V
3	*** 2.48354	32.68	ADV	32.2	-23.7	41.18	54	-12.82	-	-	257	135	V
4	*** 2.48487	33.32	ADV	32.2	-23.8	41.72	54	-12.28	-	-	257	135	V

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

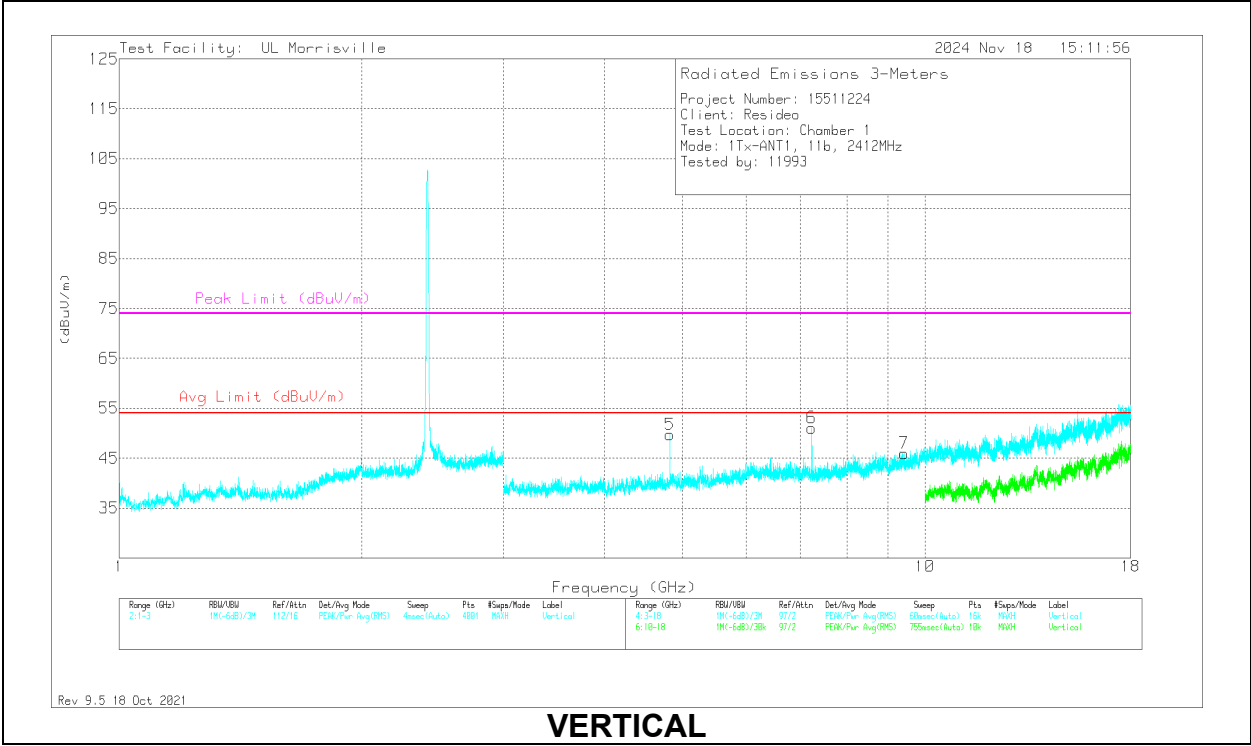
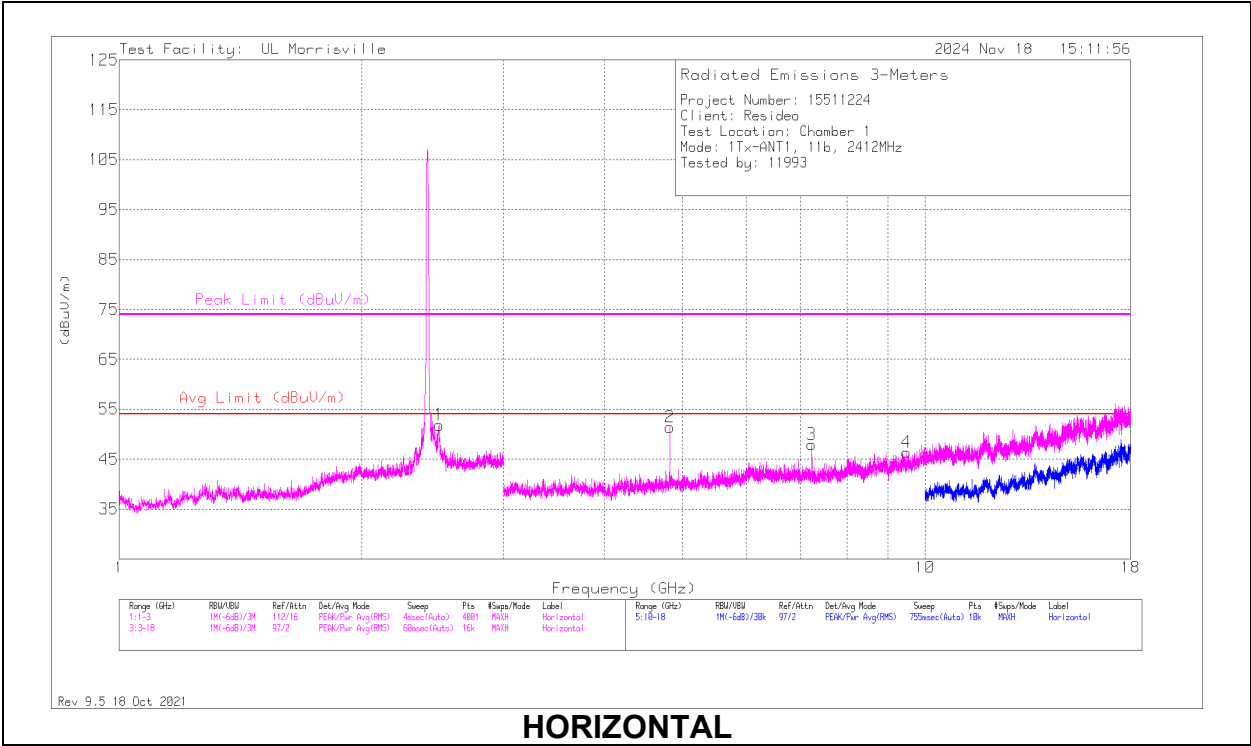
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

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	135143 (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	* ** 2.49371	47.39	PK2	32.3	-24.4	55.29	-	-	74	-18.71	254	169	H
	* ** 2.49267	37.36	ADV	32.3	-24.4	45.26	54	-8.74	-	-	254	169	H
2	* ** 4.82392	64.5	PK2	33.9	-45.3	53.1	-	-	74	-20.9	226	110	H
	* ** 4.82401	61.95	ADV	33.9	-45.3	50.55	54	-3.45	-	-	226	110	H
4	* ** 9.49125	50.39	Pk	36.4	-40.4	46.39	54	-7.61	74	-27.61	0-360	200	H
5	* ** 4.82396	63.25	PK2	33.9	-45.3	51.85	-	-	74	-22.15	118	116	V
	* ** 4.82399	60.07	ADV	33.9	-45.3	48.67	54	-5.33	-	-	118	116	V
7	* ** 9.41813	49.47	Pk	36.3	-39.8	45.97	54	-8.03	74	-28.03	0-360	200	V
6	7.23563	58.19	Pk	35.4	-42.5	51.09	-	-	-	-	0-360	101	V
3	7.23656	55.06	Pk	35.4	-42.5	47.96	-	-	-	-	0-360	101	H

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

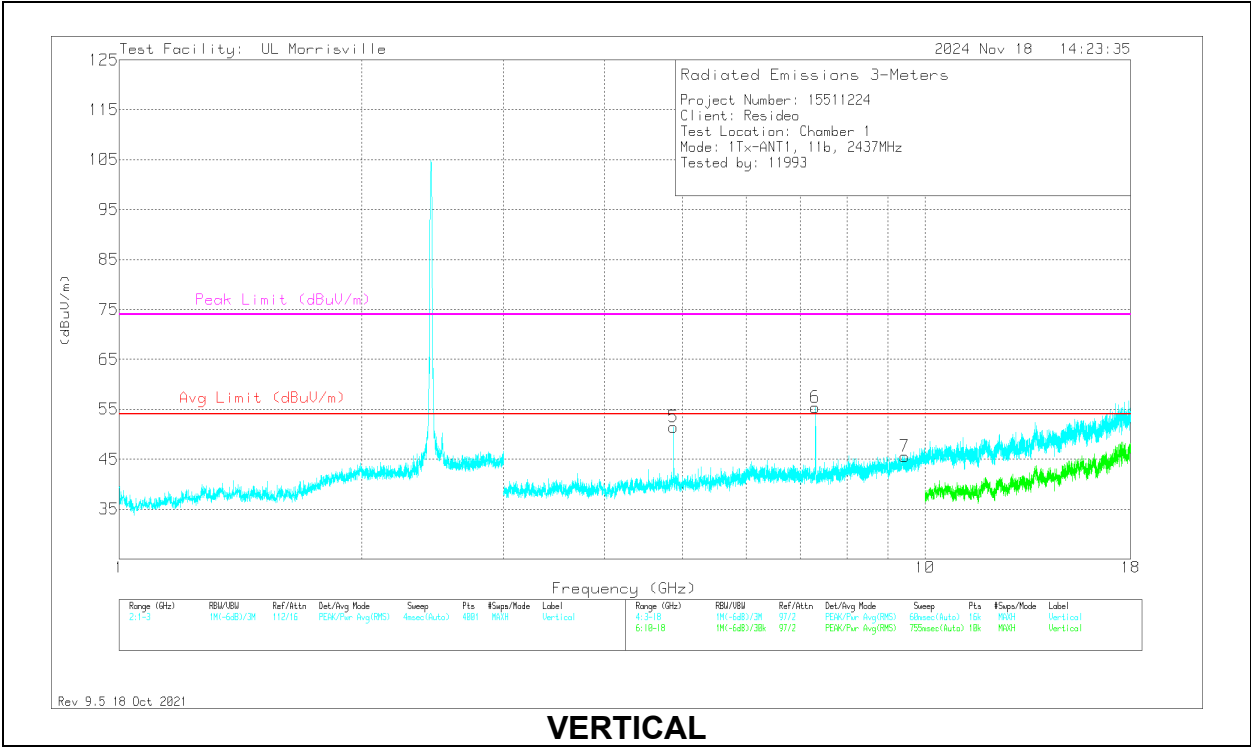
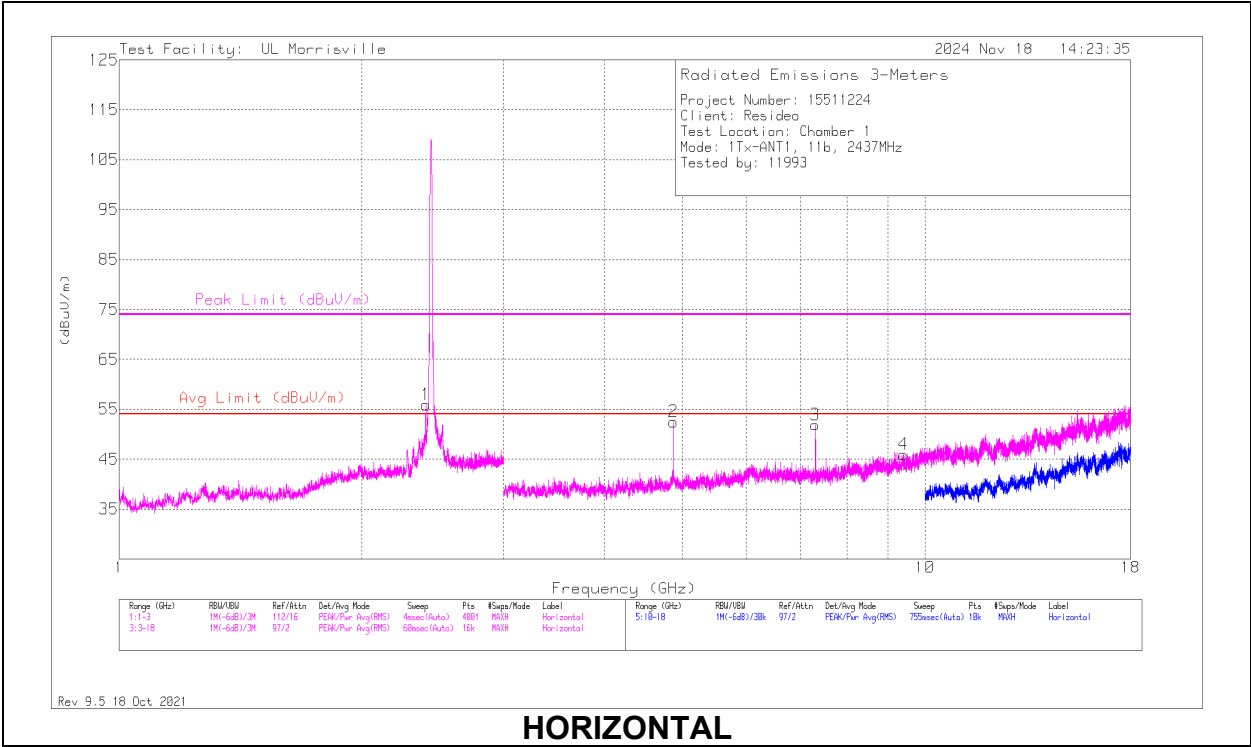
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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
2	*** 4.87411	64.94	PK2	34	-44.8	54.14	-	-	74	-19.86	127	253	H
	*** 4.87398	62.33	ADV	34	-44.8	51.53	54	-2.47	-	-	127	253	H
3	*** 7.3109	59.09	PK2	35.4	-41.7	52.79	-	-	74	-21.21	345	105	H
	*** 7.31174	54.08	ADV	35.4	-41.7	47.78	54	-6.22	-	-	345	105	H
4	*** 9.40875	50.13	Pk	36.3	-40.5	45.93	54	-8.07	74	-28.07	0-360	101	H
5	*** 4.87396	63.85	PK2	34	-44.8	53.05	-	-	74	-20.95	24	103	V
	*** 4.87399	60.93	ADV	34	-44.8	50.13	54	-3.87	-	-	24	103	V
6	*** 7.31067	63.92	PK2	35.4	-41.7	57.62	-	-	74	-16.38	59	101	V
	*** 7.31173	59.42	ADV	35.4	-41.7	53.12	54	-8.8	-	-	59	101	V
7	*** 9.43875	49.55	Pk	36.3	-40.3	45.55	54	-8.45	74	-28.45	0-360	200	V
1	2.4015	48.38	Pk	32	-24.5	55.88	-	-	-	-	0-360	199	H

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

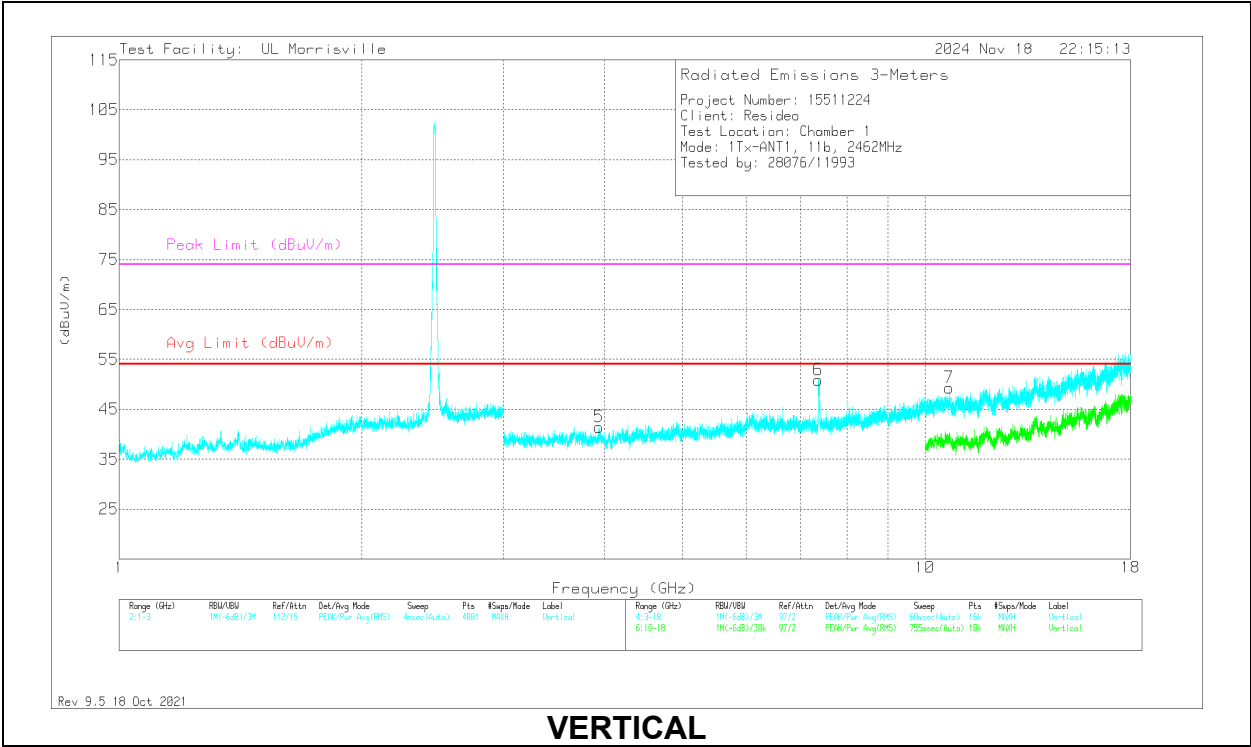
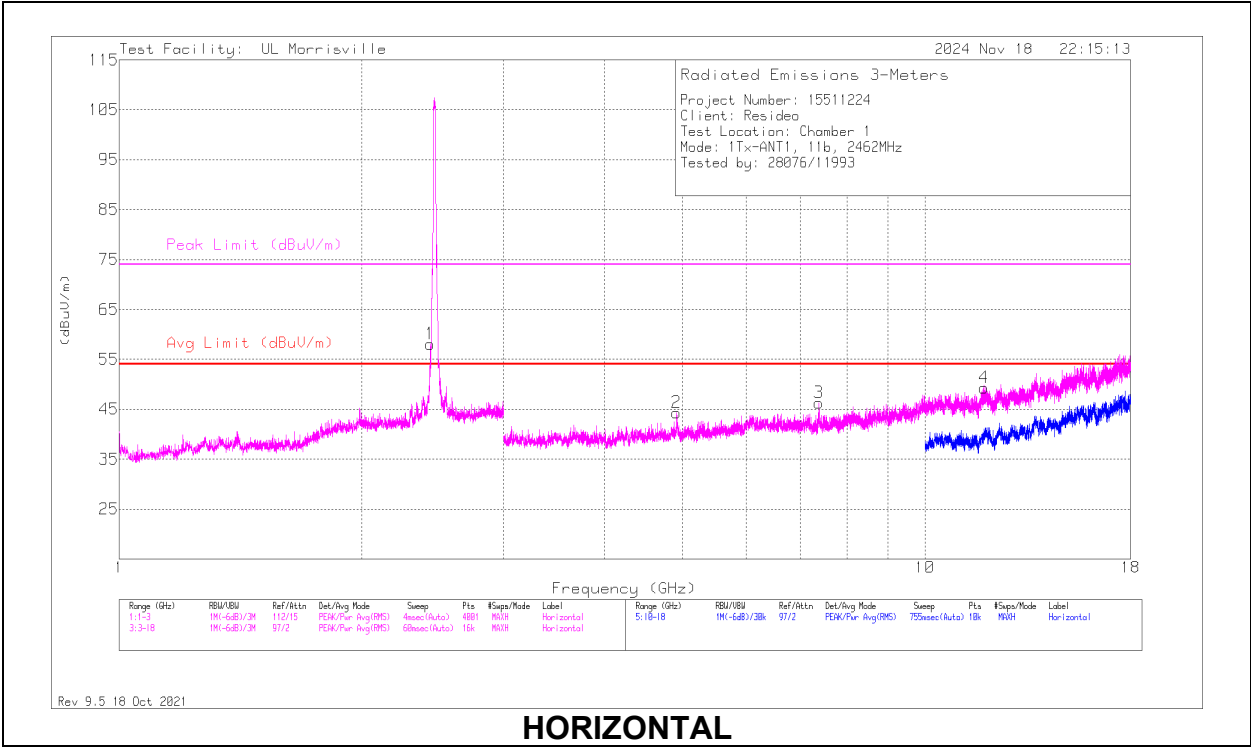
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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
2	* ** 4.92	55.55	Pk	34.1	-45.3	44.35	54	-9.65	74	-29.65	0-360	200	H
3	* ** 7.38844	52.61	Pk	35.4	-41.7	46.31	54	-7.69	74	-27.69	0-360	101	H
4	* ** 11.84578	49.89	PK2	38.5	-37.9	50.49	-	-	74	-23.51	267	291	H
	* ** 11.84781	37.01	ADV	38.5	-38.1	37.41	54	-16.59	-	-	267	291	H
5	* ** 3.94125	53.14	Pk	32.9	-44.6	41.44	54	-12.56	74	-32.56	0-360	101	V
6	* ** 10.71479	50.37	PK2	38.1	-38.4	50.07	-	-	74	-23.93	95	149	V
	* ** 10.71455	38.18	ADV	38.1	-38.4	37.88	54	-16.12	-	-	95	149	V
7	* ** 7.37797	61.27	PK2	35.4	-41.7	54.97	-	-	74	-19.03	254	104	V
	* ** 7.37918	46.84	ADV	35.4	-41.8	40.44	54	-13.56	-	-	254	104	V
1	2.432	50.41	Pk	32.1	-24.4	58.11	-	-	-	-	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

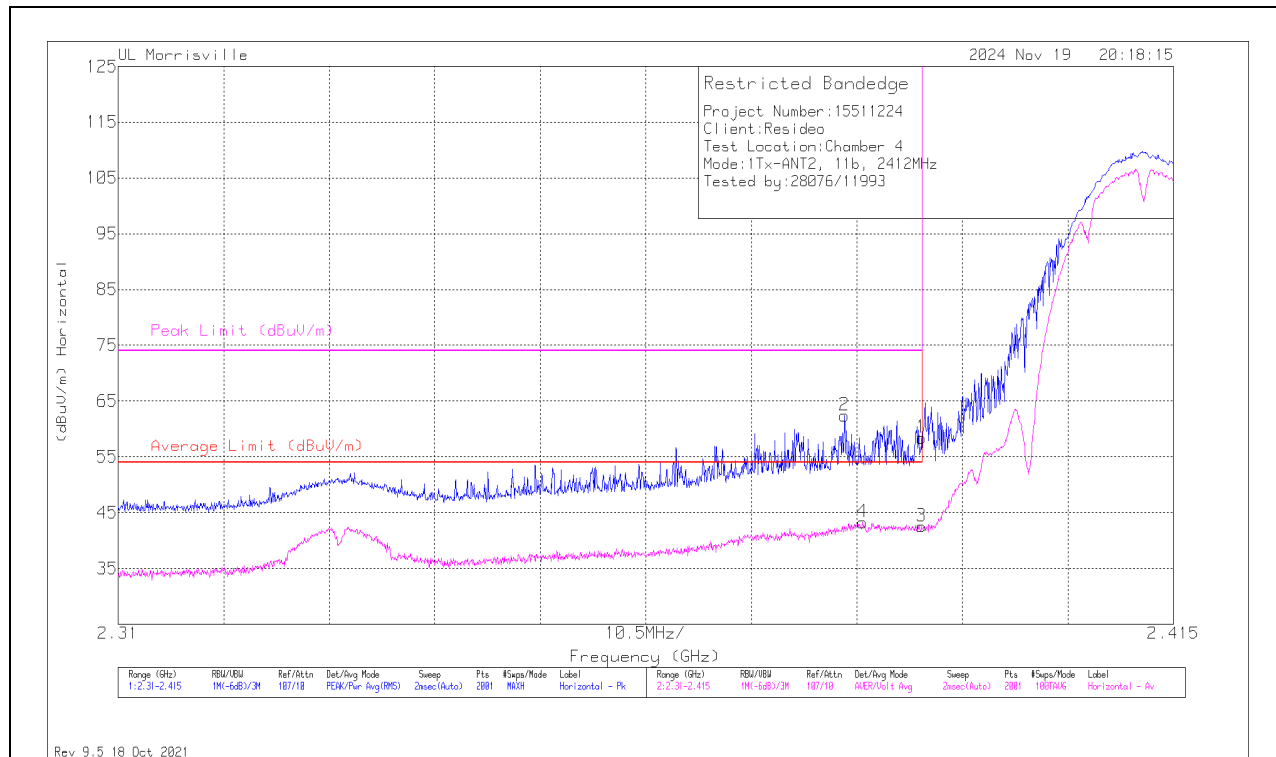
PK2 - Maximum Peak

ADV - Linear Voltage Average

1TX Antenna 2 MODE

BANEDGE (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	49.62	Pk	32	-23.2	58.42	-	-	74	-15.58	77	101	H
2	*** 2.38224	53.52	Pk	32	-23.1	62.42	-	-	74	-11.58	77	101	H
3	*** 2.38996	33.77	ADV	32	-23.2	42.57	54	-11.43	-	-	77	100	H
4	*** 2.38408	34.5	ADV	32	-23.2	43.3	54	-10.7	-	-	77	100	H

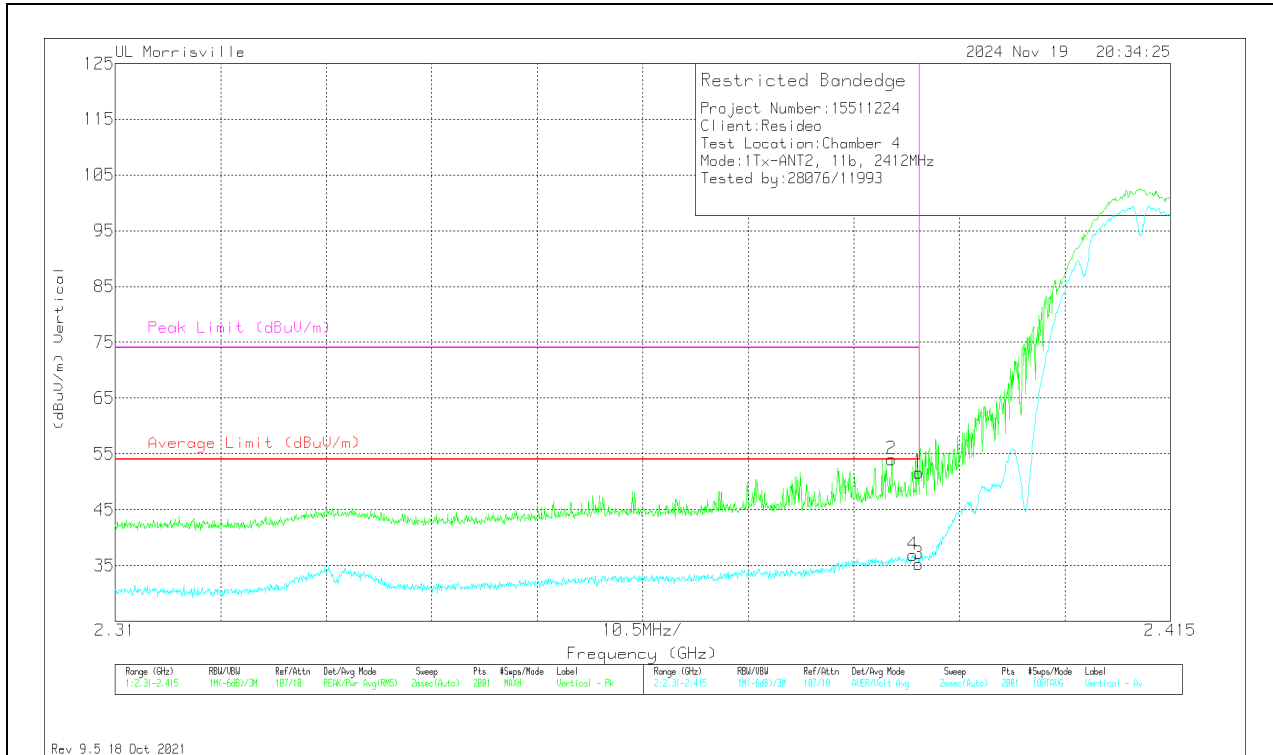
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - 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)	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	42.83	PK	32	-23.2	51.63	-	-	74	-22.37	285	102	V
2	*** 2.38723	45.38	PK	32	-23.3	54.08	-	-	74	-19.92	285	102	V
3	*** 2.38996	26.45	ADV	32	-23.2	35.25	54	-18.75	-	-	285	102	V
4	*** 2.38938	28.09	ADV	32	-23.2	36.89	54	-17.11	-	-	285	102	V

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

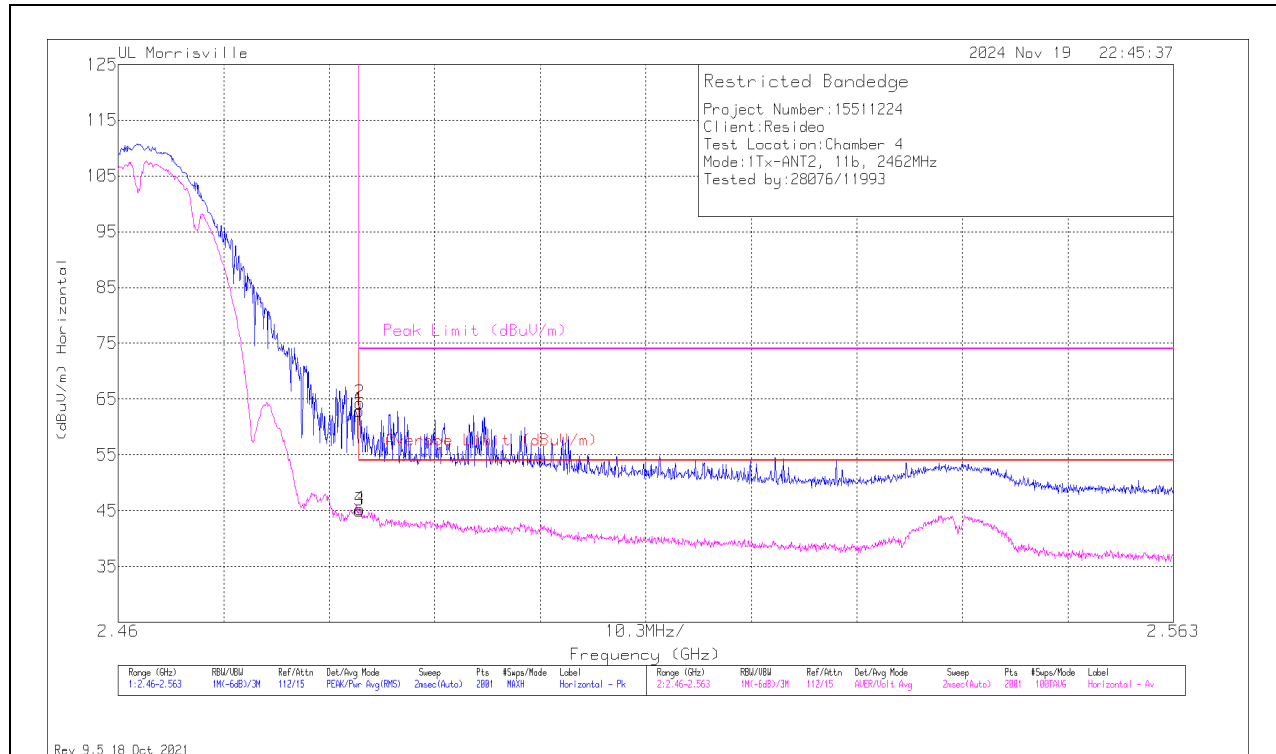
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 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	53.47	Pk	32.3	-22.8	62.97	-	-	74	-11.03	76	104	H
2	*** 2.48359	54.77	Pk	32.3	-22.8	64.27	-	-	74	-9.73	76	104	H
3	*** 2.48354	35.49	ADV	32.3	-22.8	44.99	54	-9.01	-	-	76	104	H
4	*** 2.48359	35.75	ADV	32.3	-22.8	45.25	54	-8.75	-	-	76	104	H

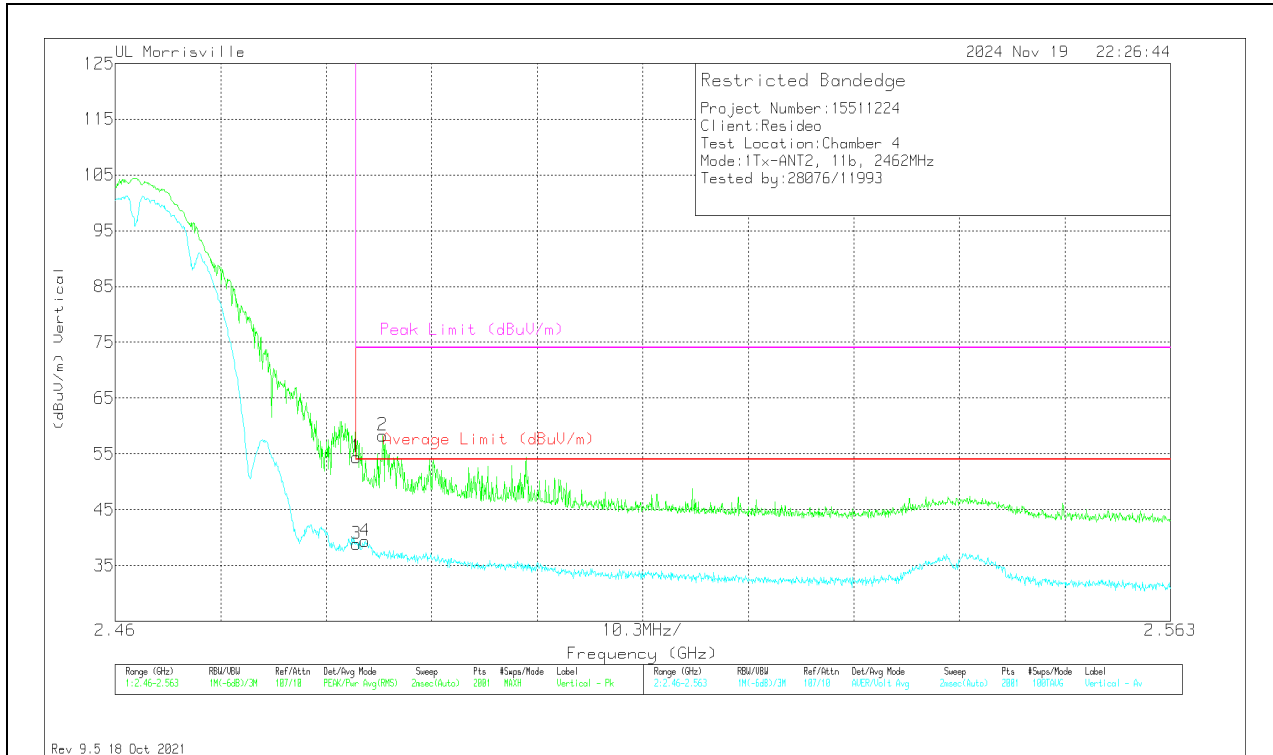
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - 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	44.87	PK	32.3	-22.8	54.37	-	-	74	-19.63	217	101	V
2	*** 2.48611	48.76	PK	32.3	-22.8	58.26	-	-	74	-15.74	217	101	V
3	** 2.48354	29.33	ADV	32.3	-22.8	38.83	54	-15.17	-	-	217	100	V
4	** 2.48441	29.83	ADV	32.3	-22.8	39.33	54	-14.67	-	-	217	100	V

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

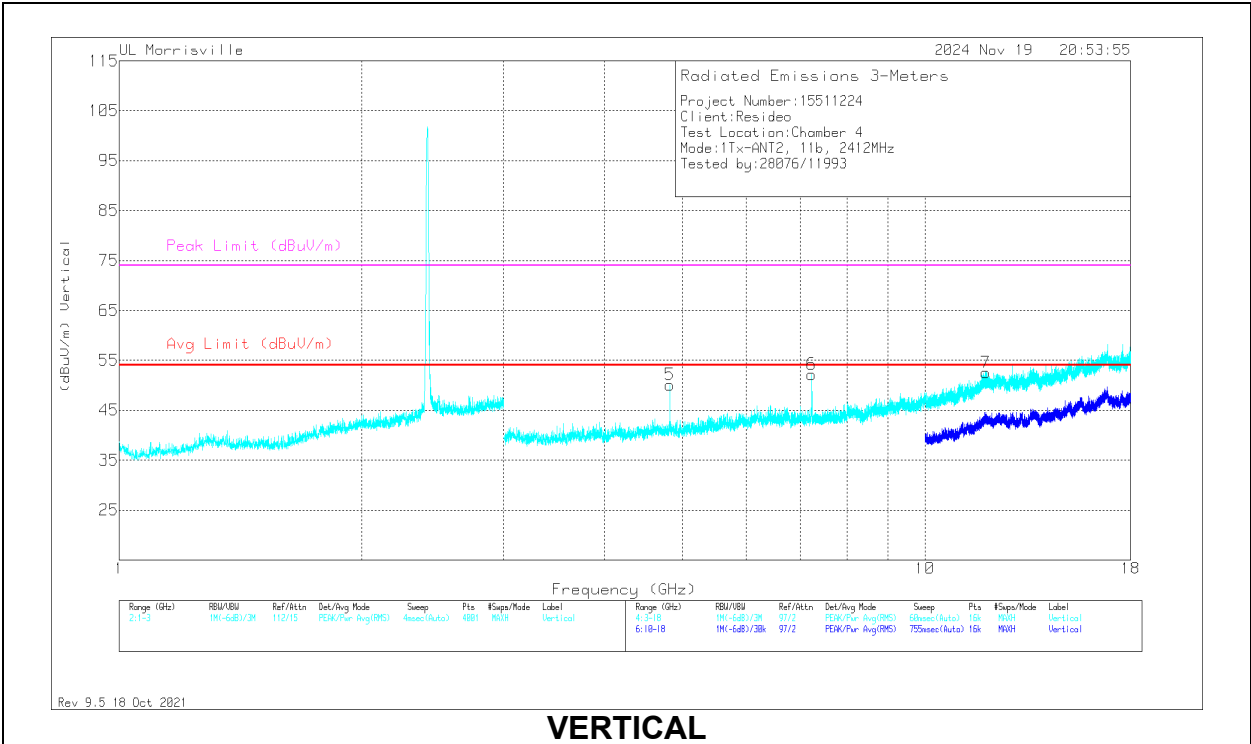
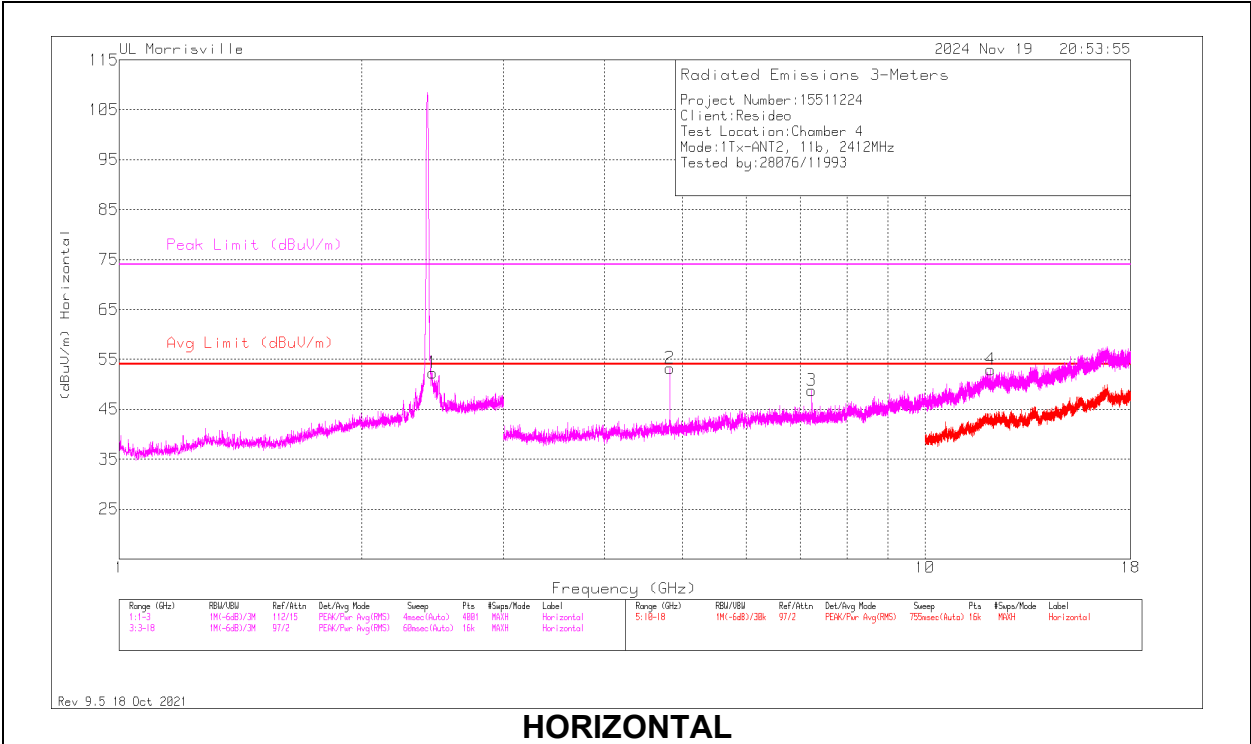
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

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
2	* ** 4.82399	52.86	PK2	34.1	-31.1	55.86	-	-	74	-18.14	114	124	H
	* ** 4.82405	50.43	ADV	34.1	-31.1	53.43	54	-57	-	-	114	124	H
4	* ** 12.05685	34.63	PK2	38.7	-21	52.33	-	-	74	-21.67	212	217	H
	* ** 12.05645	22.7	ADV	38.7	-21	40.4	54	-13.6	-	-	212	217	H
5	* ** 4.82384	48.06	PK2	34.1	-31.1	51.06	-	-	74	-22.94	124	265	V
	* ** 4.82395	43.72	ADV	34.1	-31.1	46.72	54	-7.28	-	-	124	265	V
7	* ** 11.90081	35.94	PK2	38.6	-21.4	53.14	-	-	74	-20.86	349	160	V
	* ** 11.90243	23.28	ADV	38.6	-21.4	40.48	54	-13.52	-	-	349	160	V
1	2.4475	42.98	Pk	32.2	-22.9	52.28	-	-	-	-	0-360	100	H
3	7.23469	40.76	Pk	35.6	-27.6	48.76	-	-	-	-	0-360	100	H
6	7.23469	44.22	Pk	35.6	-27.6	52.22	-	-	-	-	0-360	200	V

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

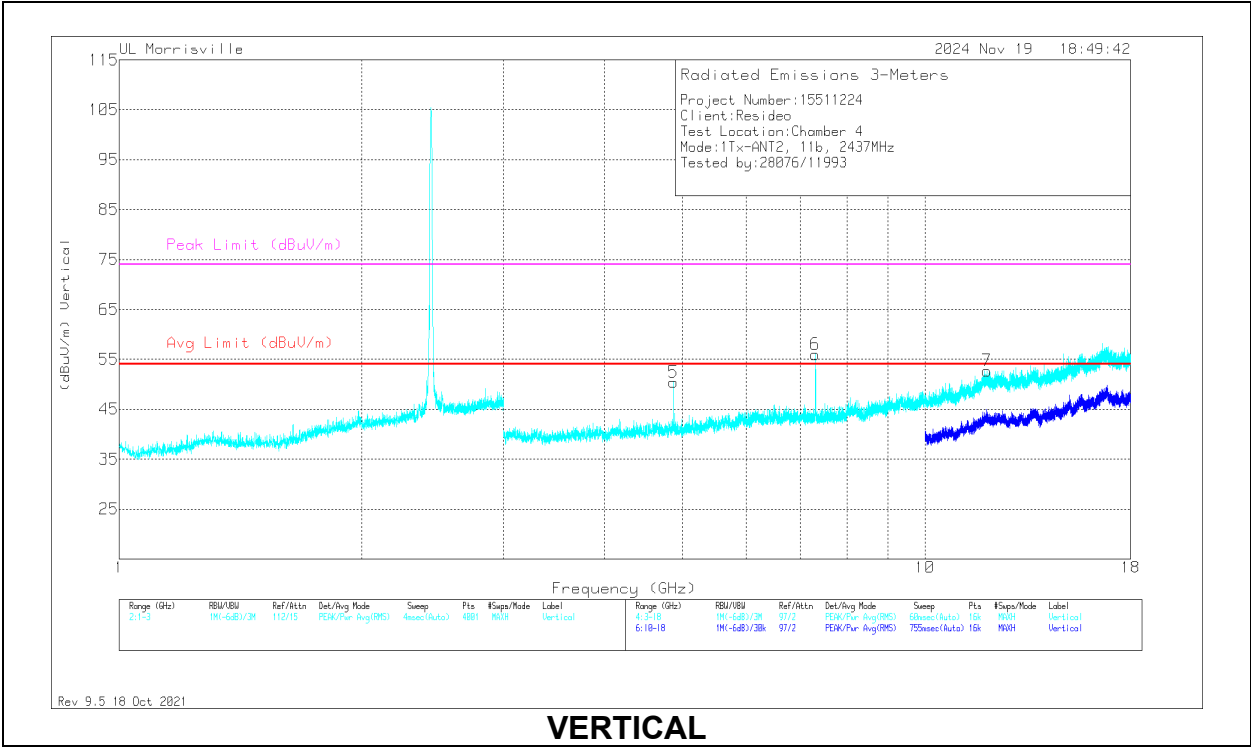
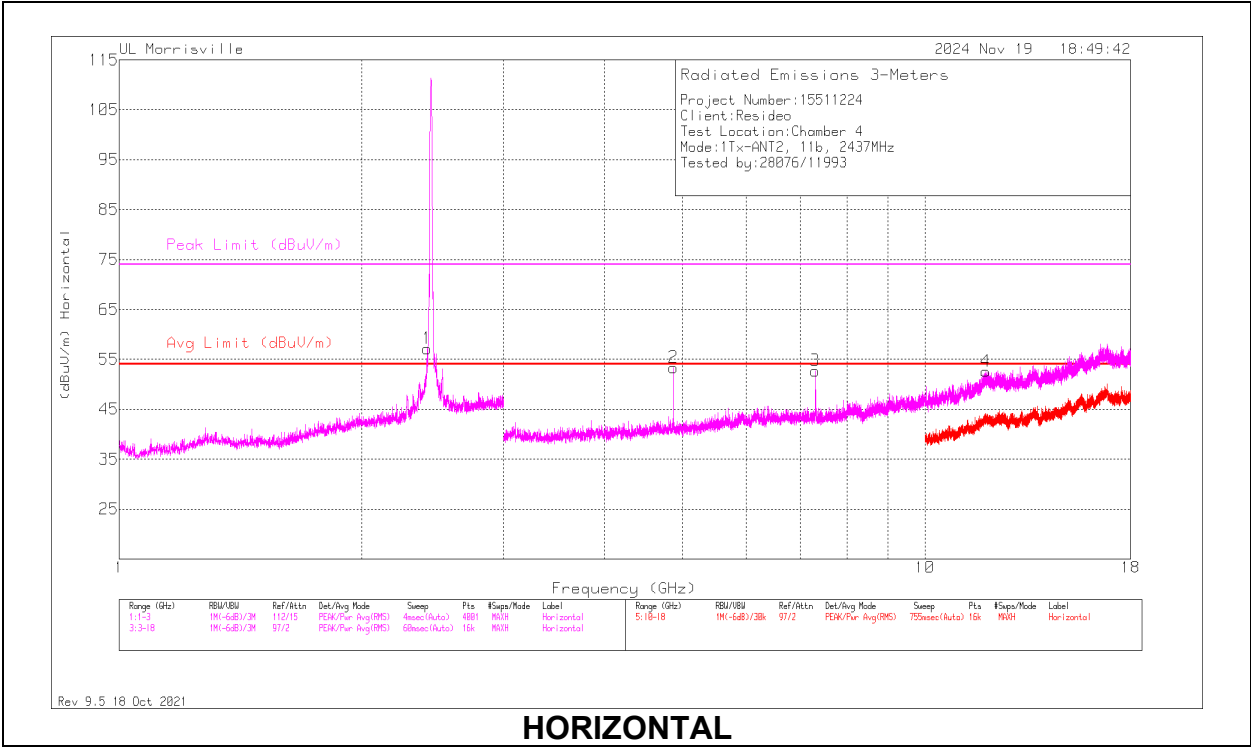
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

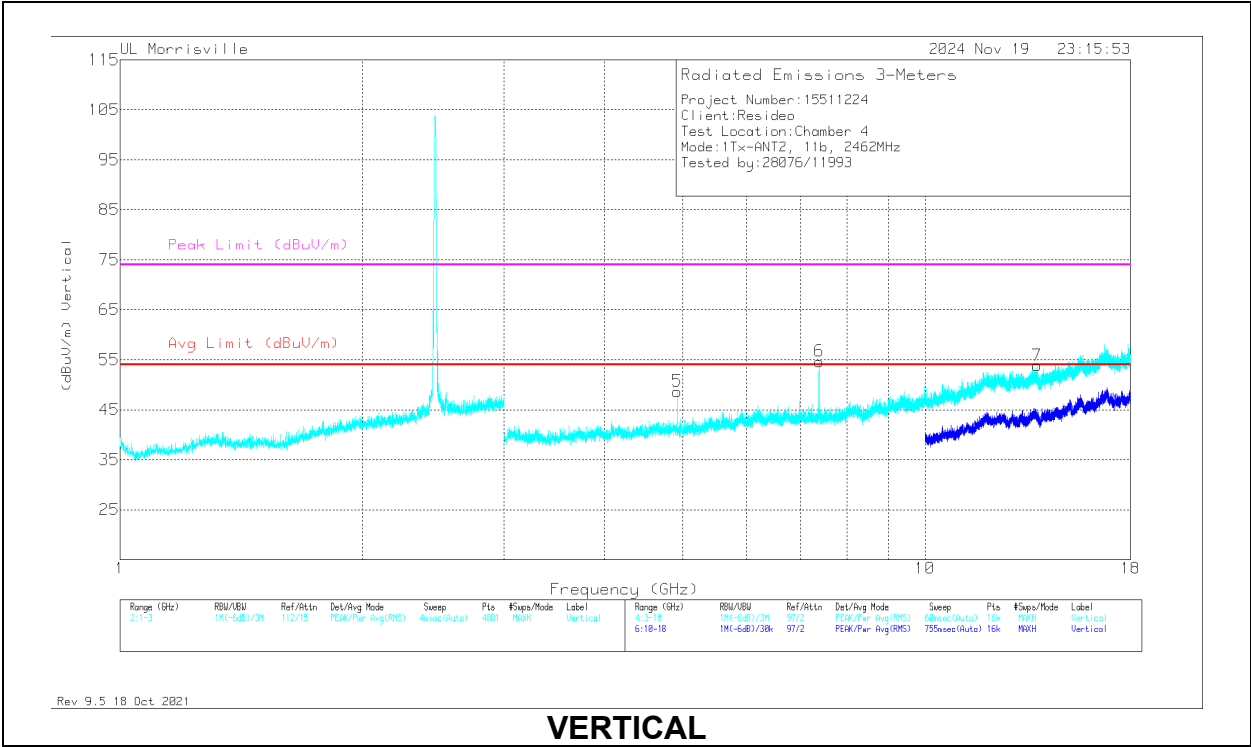
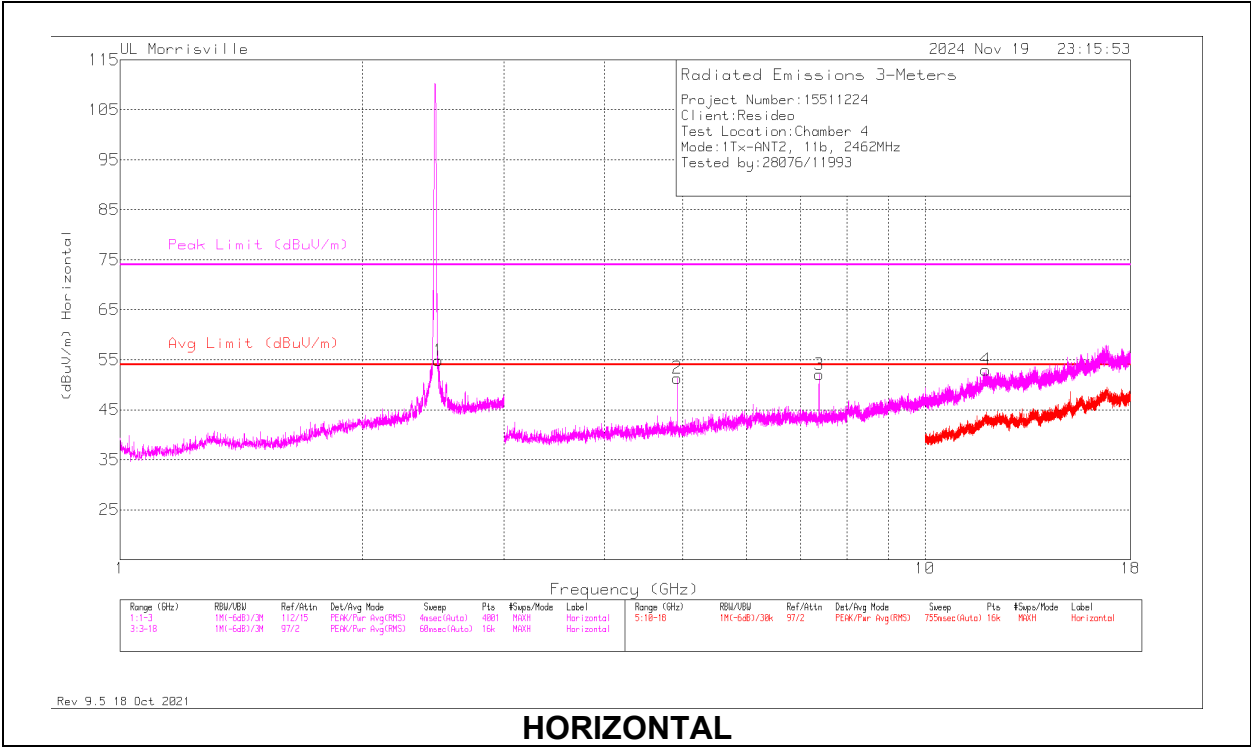
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 4.87398	53.12	PK2	34.1	-31.2	56.02	-	-	74	-17.98	114	104	H
	* ** 4.87397	50.95	ADV	34.1	-31.2	53.85	54	-1.15	-	-	114	104	H
3	* ** 7.3112	47.47	PK2	35.7	-27.5	55.67	-	-	74	-18.33	29	101	H
	* ** 7.31167	41.24	ADV	35.7	-27.6	49.34	54	-4.66	-	-	29	101	H
4	* ** 11.90154	36.12	PK2	38.6	-21.4	53.32	-	-	74	-20.68	354	244	H
	* ** 11.90052	23.15	ADV	38.6	-21.4	40.35	54	-13.65	-	-	354	244	H
5	* ** 4.87394	49.43	PK2	34.1	-31.2	52.33	-	-	74	-21.67	124	336	V
	* ** 4.87397	46.11	ADV	34.1	-31.2	49.01	54	-4.99	-	-	124	336	V
6	* ** 7.31109	49.42	PK2	35.7	-27.5	57.62	-	-	74	-16.38	217	103	V
	* ** 7.31184	44.8	ADV	35.7	-27.6	52.9	54	-1.1	-	-	217	103	V
7	* ** 11.93604	35.75	PK2	38.7	-20.9	53.55	-	-	74	-20.45	279	266	V
	* ** 11.93525	23.18	ADV	38.7	-20.9	40.98	54	-13.02	-	-	279	266	V
1	2.4105	48.36	Pk	31.9	-23.1	57.16	-	-	-	-	0-360	100	H

* - 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	*** 2.48665	54.98	PK2	32.3	-22.8	64.48	-	-	74	-9.52	72	101	H
	*** 2.48452	35.67	ADV	32.3	-22.8	45.17	54	-8.83	-	-	72	101	H
2	*** 4.92405	50.86	PK2	34	-30.8	54.06	-	-	74	-19.94	112	120	H
	*** 4.92393	47.65	ADV	34	-30.8	50.85	54	-3.15	-	-	112	120	H
3	*** 7.3862	47.09	PK2	35.6	-27.7	54.99	-	-	74	-19.01	29	115	H
	*** 7.38517	40.49	ADV	35.6	-27.7	48.39	54	-5.61	-	-	29	115	H
4	*** 11.89307	34.9	PK2	38.6	-21.5	52	-	-	74	-22	154	155	H
	*** 11.89691	22.69	ADV	38.6	-21.4	39.89	54	-14.11	-	-	154	155	H
5	*** 4.92389	47.18	PK2	34	-30.8	50.38	-	-	74	-23.62	127	309	V
	*** 4.92398	42.48	ADV	34	-30.8	45.68	54	-8.32	-	-	127	309	V
6	*** 7.38586	48.82	PK2	35.6	-27.7	56.72	-	-	74	-17.28	27	101	V
	*** 7.38678	43.9	ADV	35.6	-27.7	51.8	54	-2.2	-	-	27	101	V
7	13.77844	34.63	Pk	38.6	-19.4	53.83	-	-	-	-	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

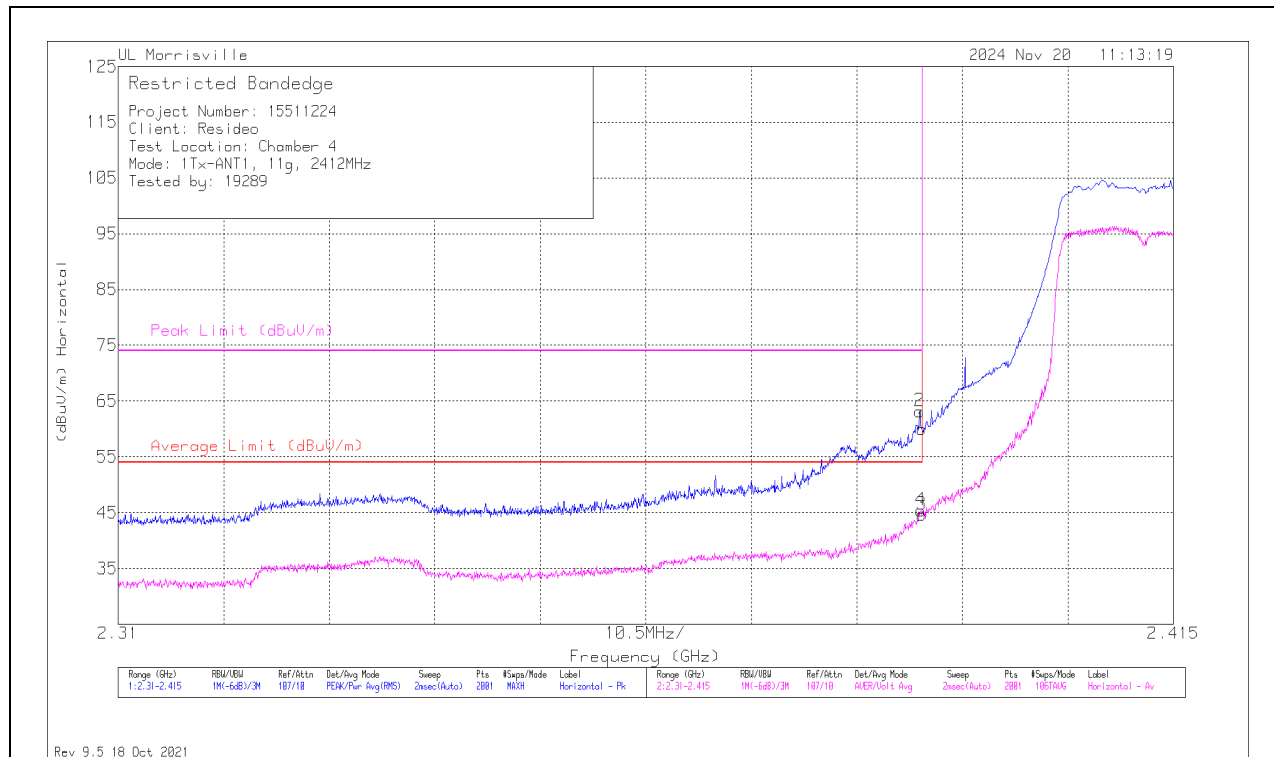
ADV - Linear Voltage Average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 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	51.23	Pk	32	-23.2	0	60.03	-	-	74	-13.97	47	126	H
2	** 2.38975	54.33	Pk	32	-23.2	0	63.13	-	-	74	-10.87	47	126	H
3	*** 2.38996	35.29	ADV	32	-23.2	.53	44.62	54	-9.38	-	-	47	126	H
4	*** 2.38985	36.11	ADV	32	-23.2	.53	45.44	54	-8.56	-	-	47	126	H

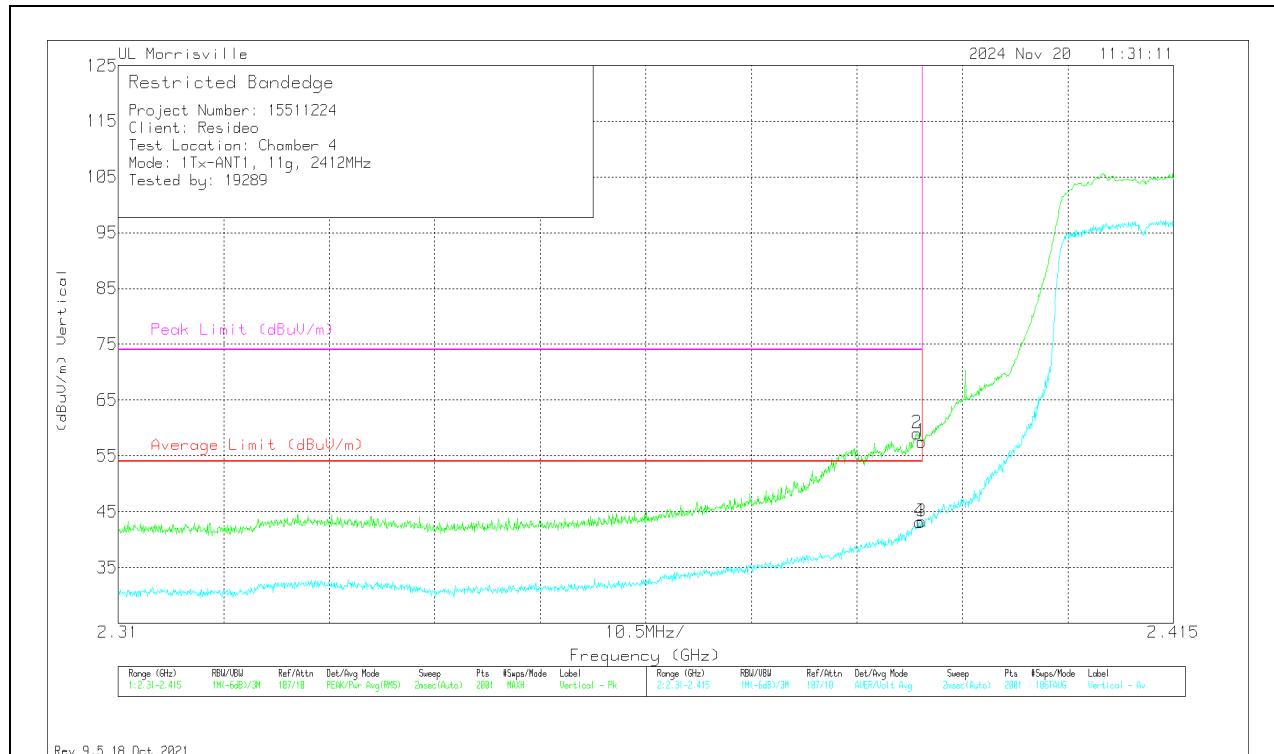
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - 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	48.71	Pk	32	-23.2	0	57.51	-	-	74	-16.49	29	103	V
2	*** 2.38949	50.26	Pk	32	-23.2	0	59.06	-	-	74	-14.94	29	103	V
3	*** 2.38996	33.88	ADV	32	-23.2	.53	43.21	54	-10.79	-	-	29	103	V
4	*** 2.38975	33.83	ADV	32	-23.2	.53	43.16	54	-10.84	-	-	29	103	V

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

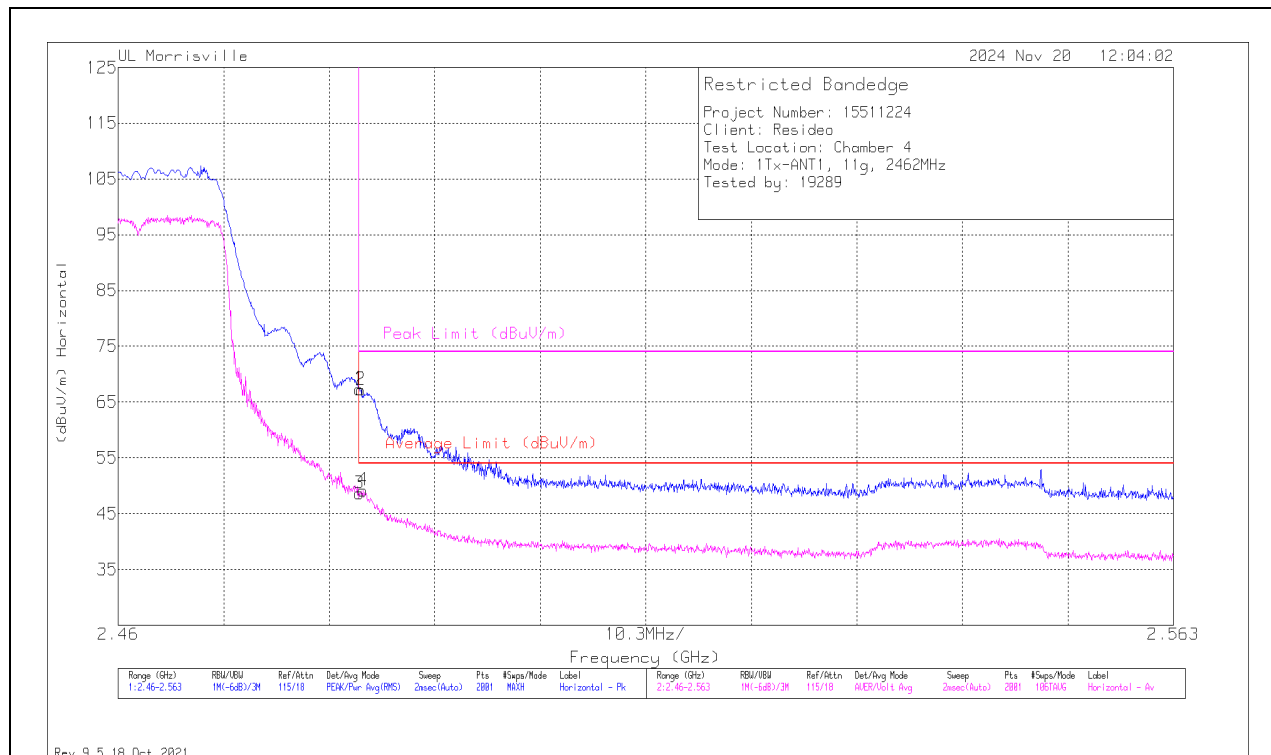
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

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)	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	57.81	Pk	32.3	-22.8	0	67.31	-	-	74	-6.69	45	132	H
2	*** 2.48369	57.73	Pk	32.3	-22.8	0	67.23	-	-	74	-6.77	45	132	H
3	*** 2.48354	38.56	ADV	32.3	-22.8	.53	48.59	54	-5.41	-	-	45	132	H
4	*** 2.4839	39.1	ADV	32.3	-22.8	.53	49.13	54	-4.87	-	-	45	132	H

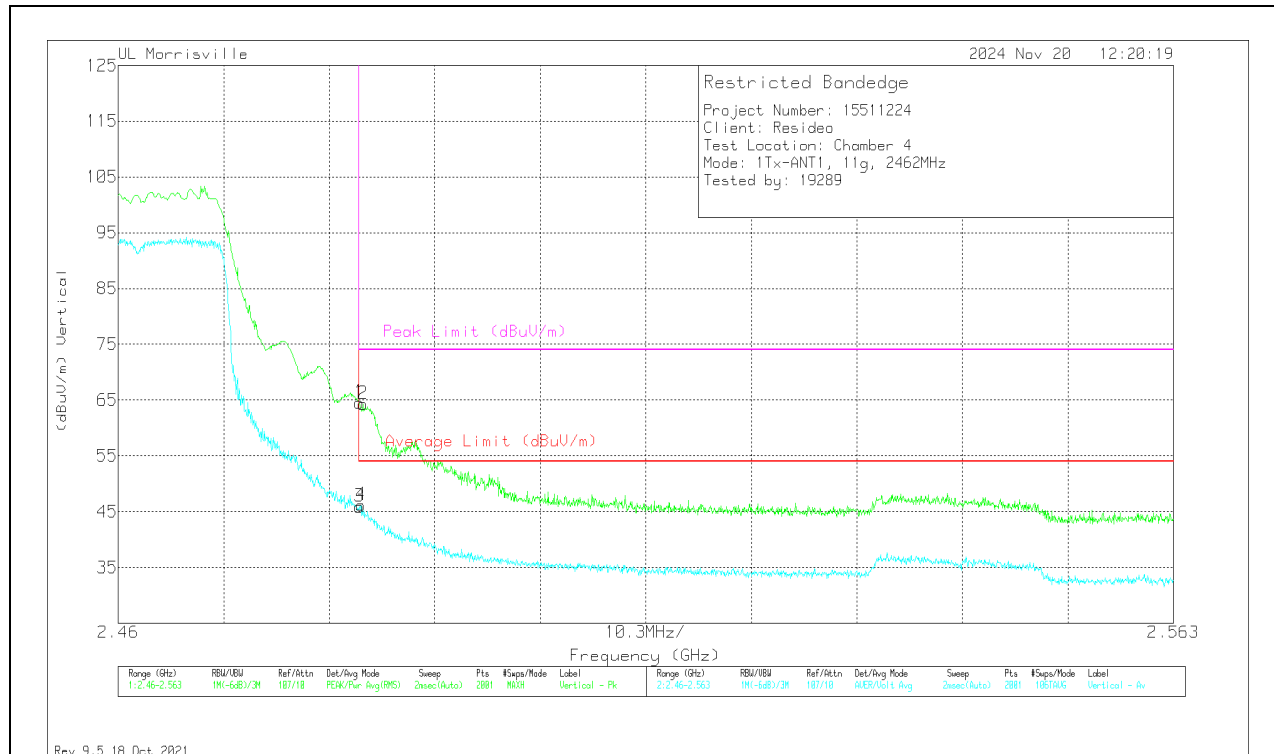
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - 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	55.02	Pk	32.3	-22.8	0	64.52	-	-	74	-9.48	317	110	V
2	*** 2.4839	54.84	Pk	32.3	-22.8	0	64.34	-	-	74	-9.66	317	110	V
3	*** 2.48354	35.83	ADV	32.3	-22.8	.53	45.86	54	-8.14	-	-	317	110	V
4	*** 2.48369	36.17	ADV	32.3	-22.8	.53	46.2	54	-7.8	-	-	317	110	V

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

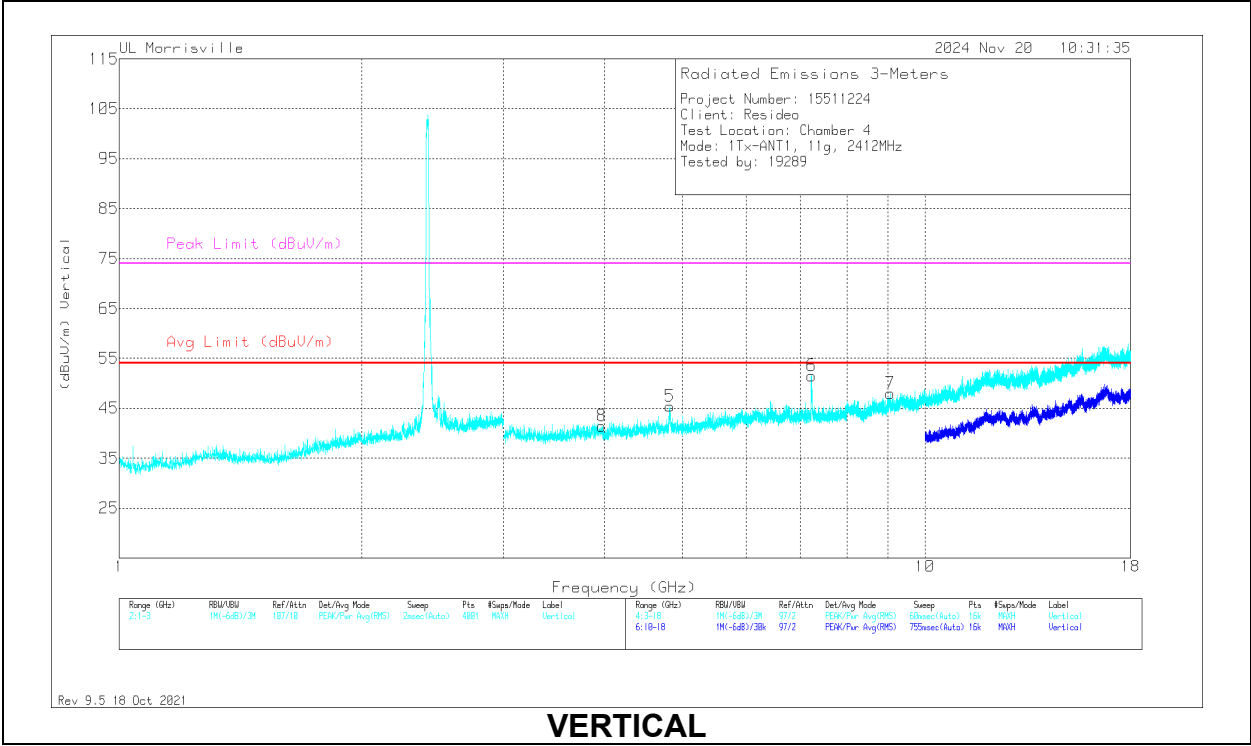
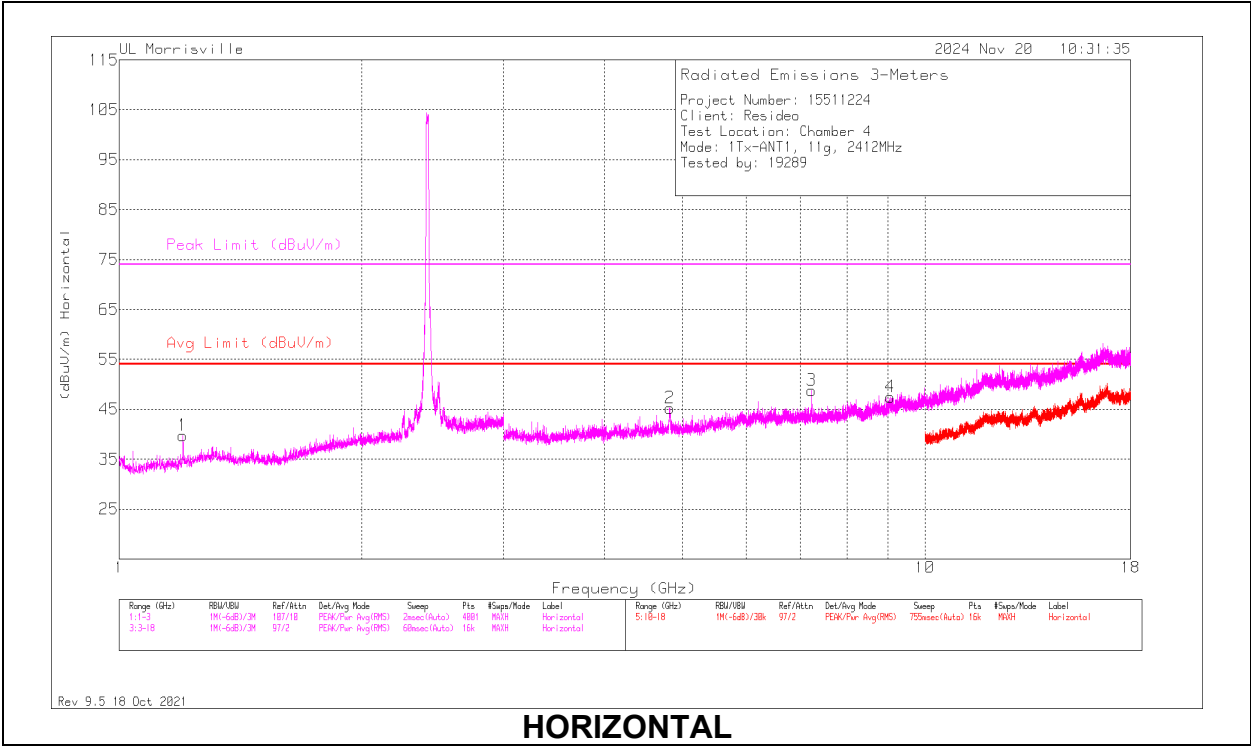
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

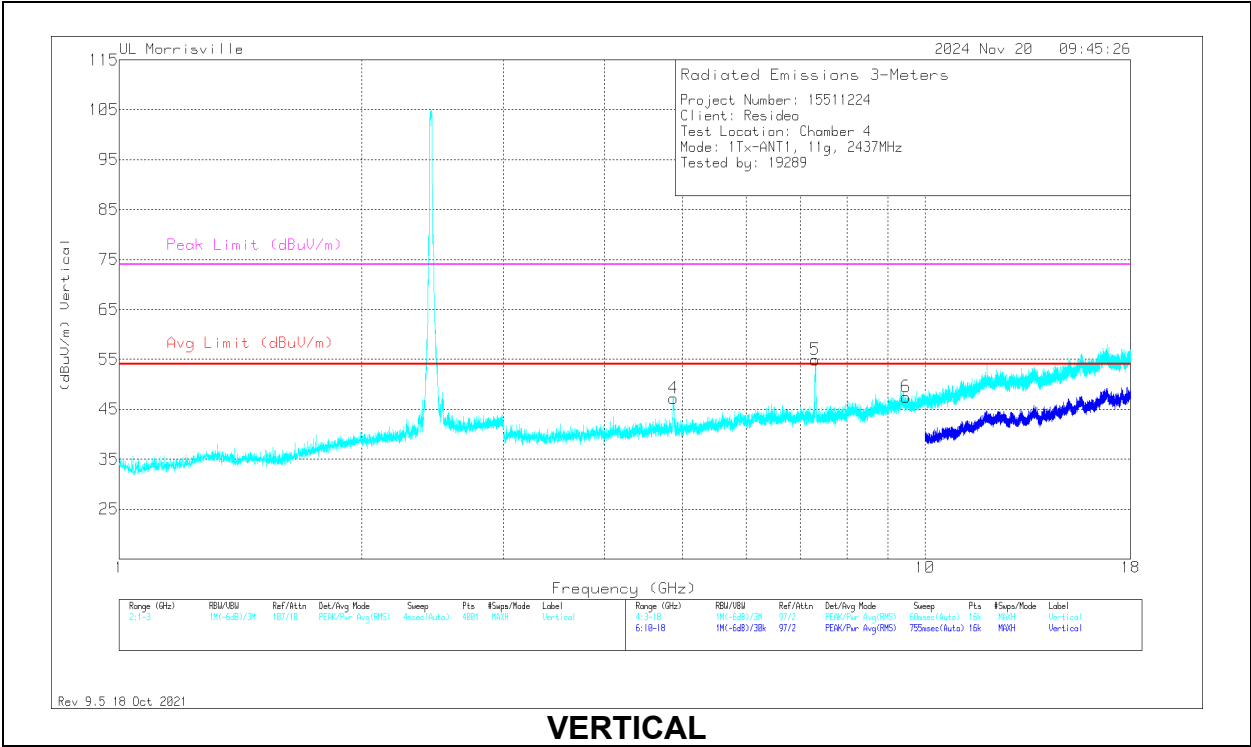
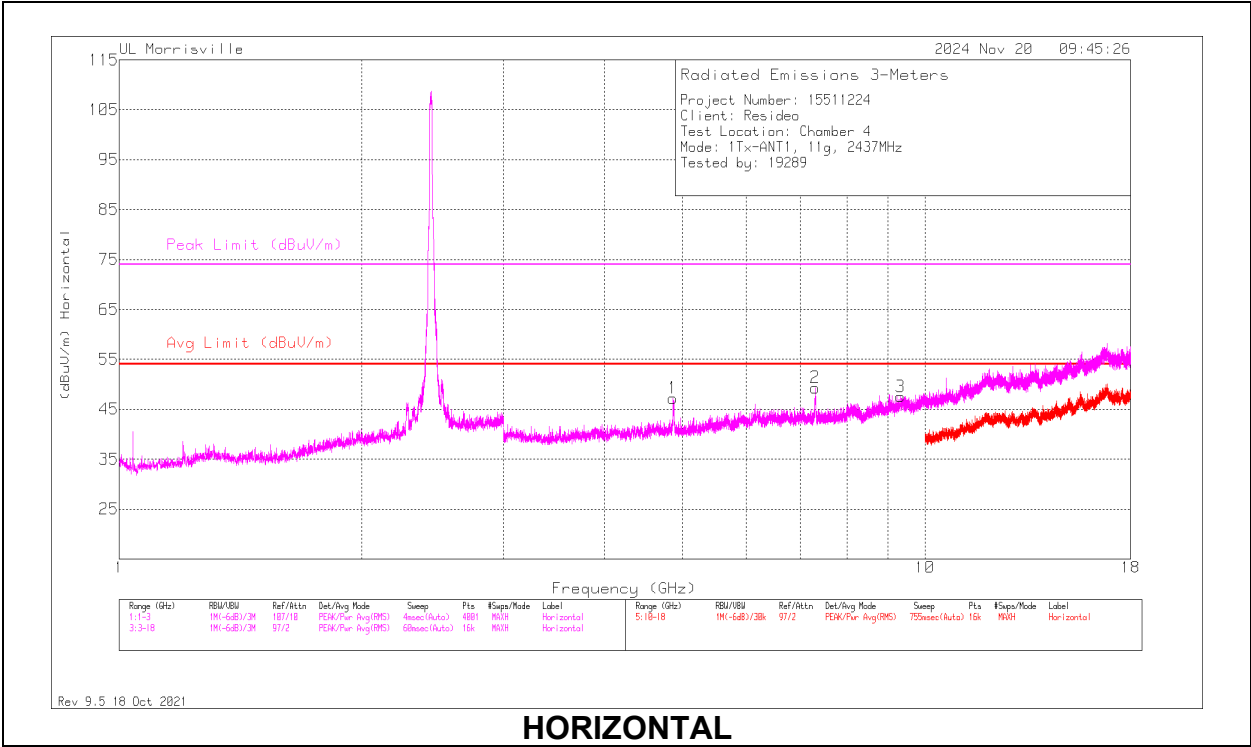
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.2	36.7	Pk	28	-25	0	39.7	54	-14.3	74	-34.3	0-360	100	H
2	* ** 4.82531	42.25	Pk	34.1	-31.1	0	45.25	54	-8.75	74	-28.75	0-360	100	H
4	* ** 9.05531	35.32	Pk	36.2	-24.1	0	47.42	54	-6.58	74	-26.58	0-360	100	H
5	* ** 4.82344	42.42	Pk	34.1	-31.1	0	45.42	54	-8.58	74	-28.58	0-360	200	V
7	* ** 9.0525	35.75	Pk	36.2	-24	0	47.95	54	-6.05	74	-26.05	0-360	200	V
8	* ** 3.97031	39.79	Pk	33.4	-31.7	0	41.49	54	-12.51	74	-32.51	0-360	200	V
3	7.23469	40.81	Pk	35.6	-27.6	0	48.81	-	-	-	-	0-360	100	H
6	7.23563	43.51	Pk	35.6	-27.6	0	51.51	-	-	-	-	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

arker	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	*** 4.86938	44.45	Pk	34.1	-31.4	0	47.15	54	-6.85	74	-26.85	0-360	100	H
2	*** 7.31556	45.7	PK2	35.6	-27.7	0	53.6	-	-	74	-20.4	248	102	H
	*** 7.31381	31.38	ADV	35.6	-27.6	.53	39.91	54	-14.09	-	-	248	102	H
3	*** 9.33281	35.12	Pk	36.5	-24.1	0	47.52	54	-6.48	74	-26.48	0-360	100	H
4	*** 4.87219	44.36	Pk	34.1	-31.3	0	47.16	54	-6.84	74	-26.84	0-360	200	V
5	*** 7.31546	51.71	PK2	35.6	-27.7	0	59.61	-	-	74	-14.39	344	134	V
	*** 7.30946	37.71	ADV	35.7	-27.5	.53	46.44	54	-7.56	-	-	344	134	V
6	*** 9.46781	36.07	Pk	36.7	-25.3	0	47.47	54	-6.53	74	-26.53	0-360	200	V

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

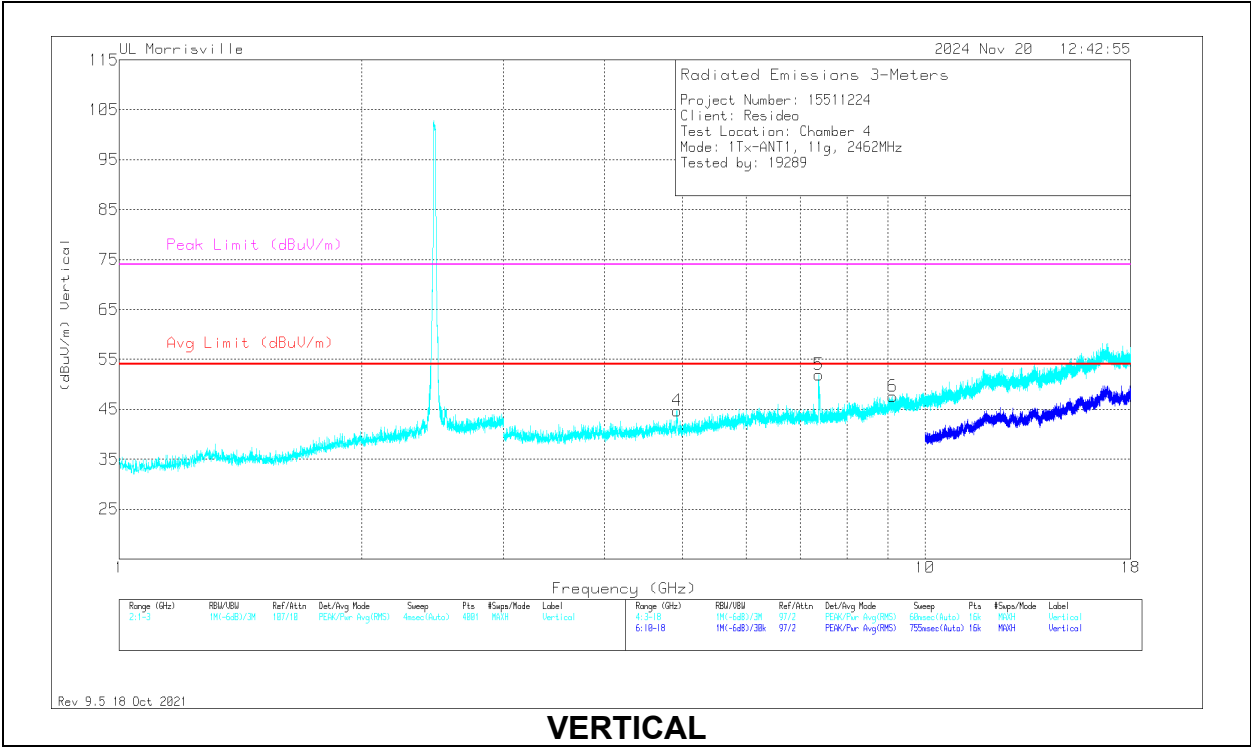
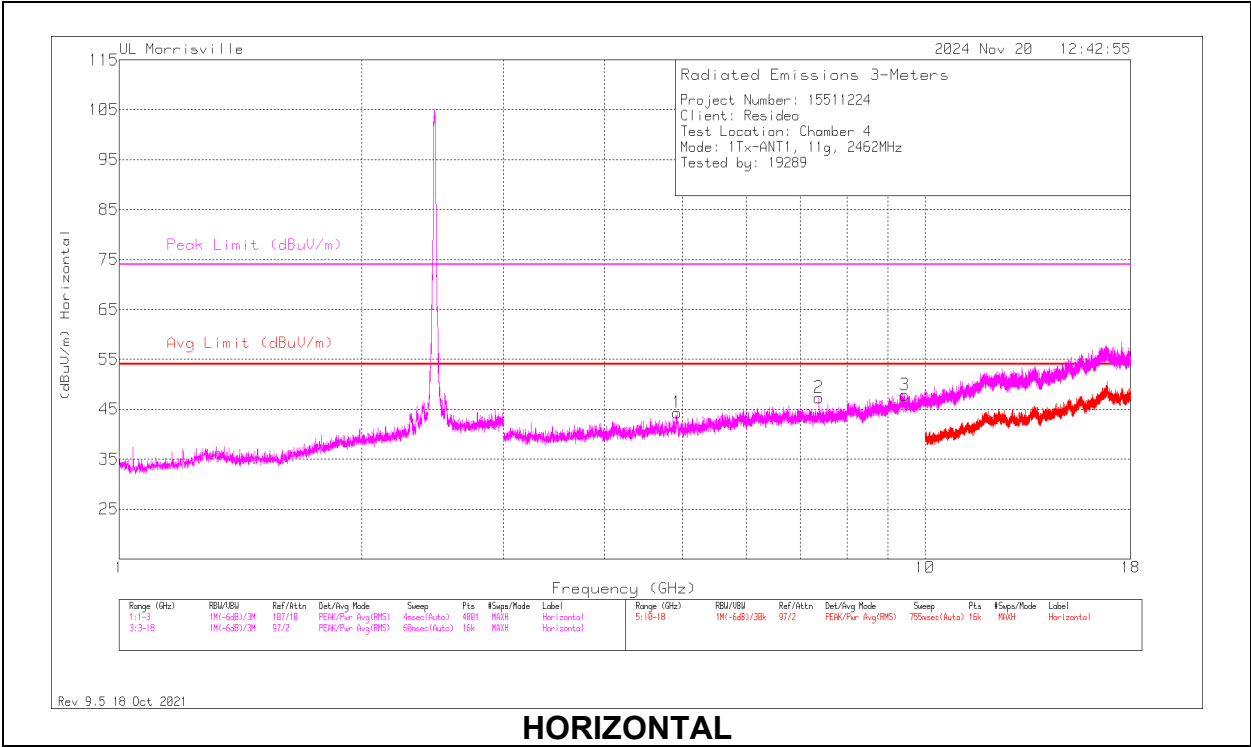
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

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	* ** 4.92563	41.33	Pk	33.9	-30.9	0	44.33	54	-9.67	74	-29.67	0-360	100	H
2	* ** 7.38938	39.45	Pk	35.6	-27.7	0	47.35	54	-6.65	74	-26.65	0-360	100	H
3	* ** 9.44156	36.22	Pk	36.7	-25.1	0	47.82	54	-6.18	74	-26.18	0-360	100	H
4	* ** 4.9275	41.77	Pk	33.9	-31	0	44.67	54	-9.33	74	-29.33	0-360	200	V
5	* ** 7.39132	47.94	PK2	35.6	-27.7	0	55.84	-	-	74	-18.16	345	126	V
	* ** 7.3883	34.17	ADV	35.6	-27.7	.53	42.6	54	-11.4	-	-	345	126	V
6	* ** 9.11906	36.04	Pk	36.3	-24.7	0	47.64	54	-6.36	74	-26.36	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

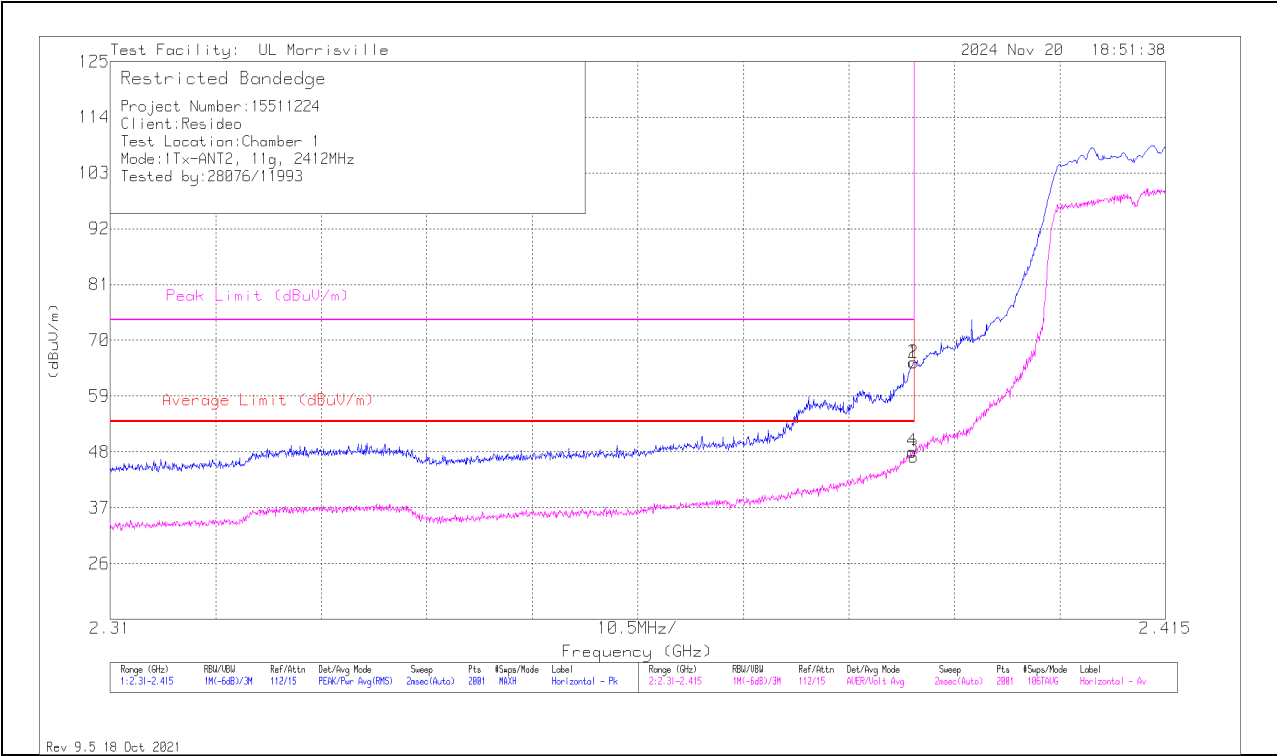
PK2 - Maximum Peak

ADV - Linear Voltage Average

1TX Antenna 2 MODE

BANEDGE (LOW CHANNEL, CH 1)

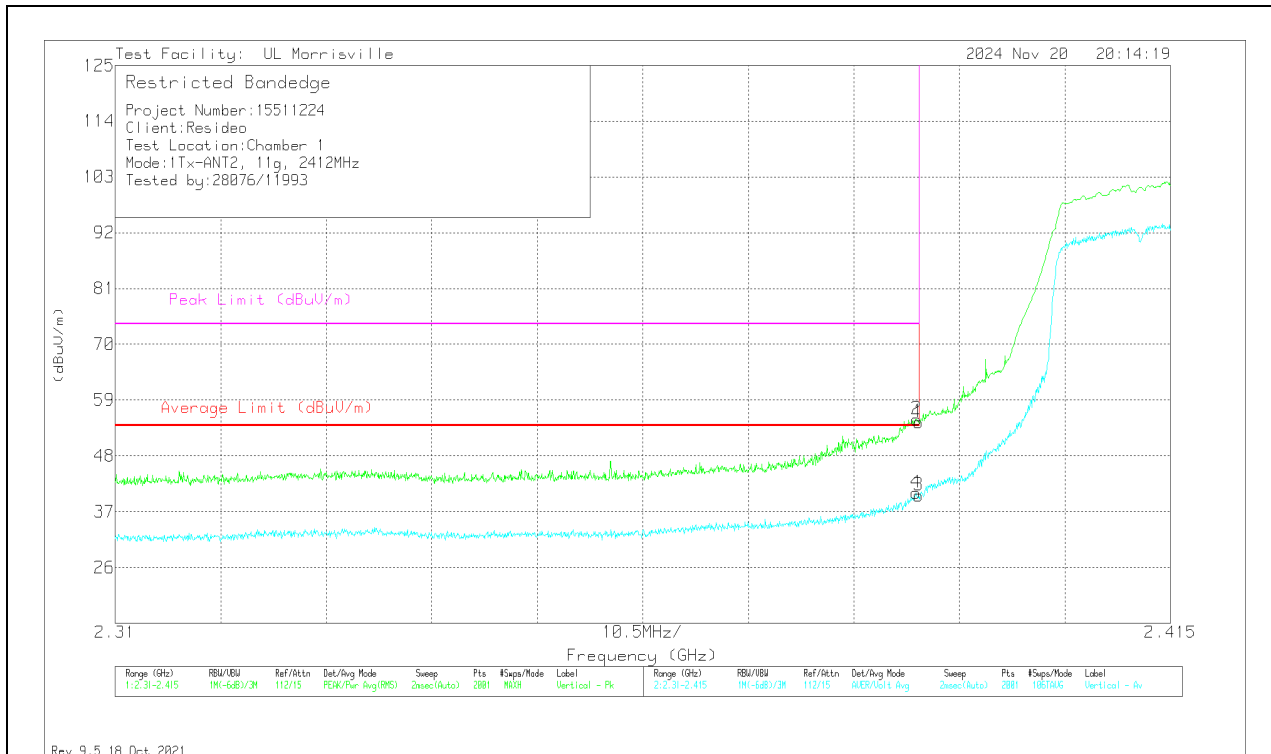
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	57.69	Pk	31.9	-24	0	65.59	-	-	74	-8.41	16	111	H
2	* ** 2.38991	57.69	Pk	31.9	-24	0	65.59	-	-	74	-8.41	16	111	H
3	* ** 2.38996	38.57	ADV	31.9	-24	.53	47	54	-7	-	-	16	111	H
4	* ** 2.3898	39.6	ADV	31.9	-24	.53	48.03	54	-5.97	-	-	16	111	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	135143 (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	46.77	Pk	31.9	-24	0	54.67	-	-	74	-19.33	267	128	V
2	*** 2.38975	47.3	Pk	31.9	-24	0	55.2	-	-	74	-18.8	267	128	V
3	*** 2.38996	31.71	ADV	31.9	-24	.53	40.14	54	-13.86	-	-	267	128	V
4	*** 2.3897	32.25	ADV	31.9	-24	.53	40.68	54	-13.32	-	-	267	128	V

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

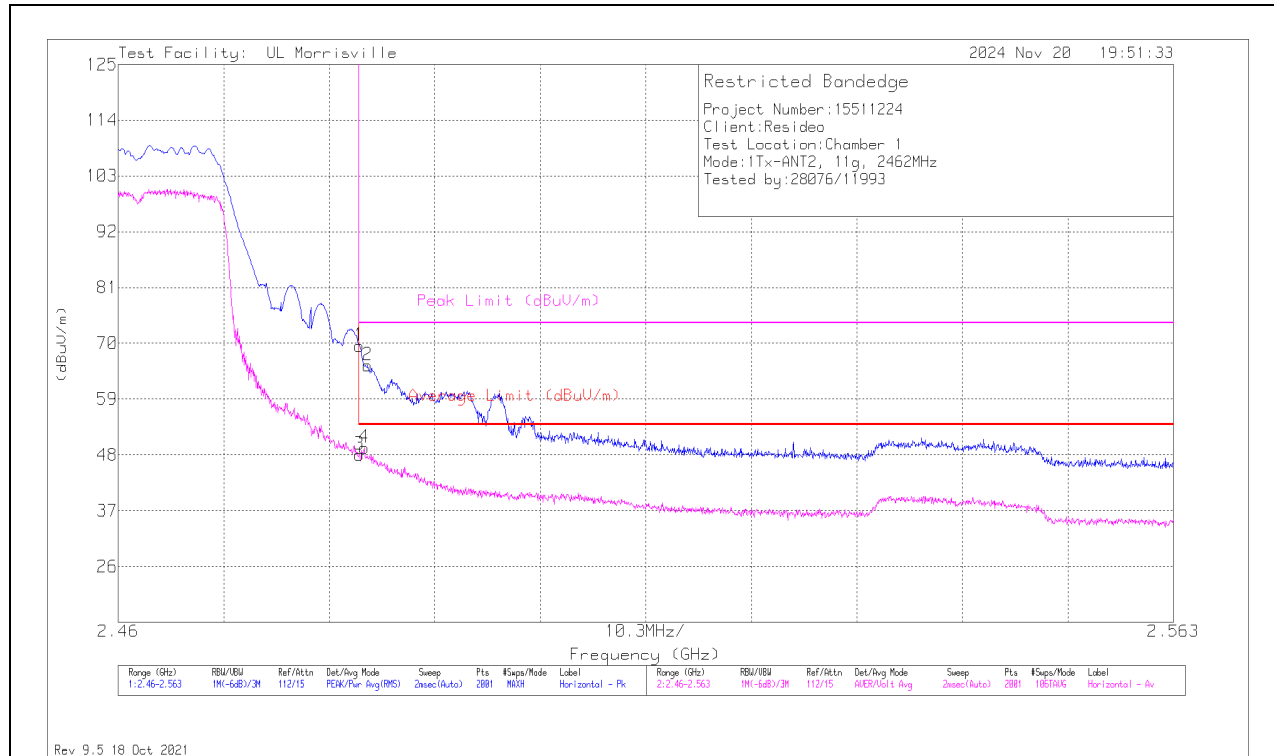
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	61.05	Pk	32.2	-23.7	0	69.55	-	-	74	-4.45	7	110	H
2	* ** 2.48436	57.27	Pk	32.2	-23.8	0	65.67	-	-	74	-8.33	7	110	H
3	* ** 2.48354	39.04	ADV	32.2	-23.7	.53	48.07	54	-5.93	-	-	7	110	H
4	* ** 2.484	40.47	ADV	32.2	-23.8	.53	49.4	54	-4.6	-	-	7	110	H

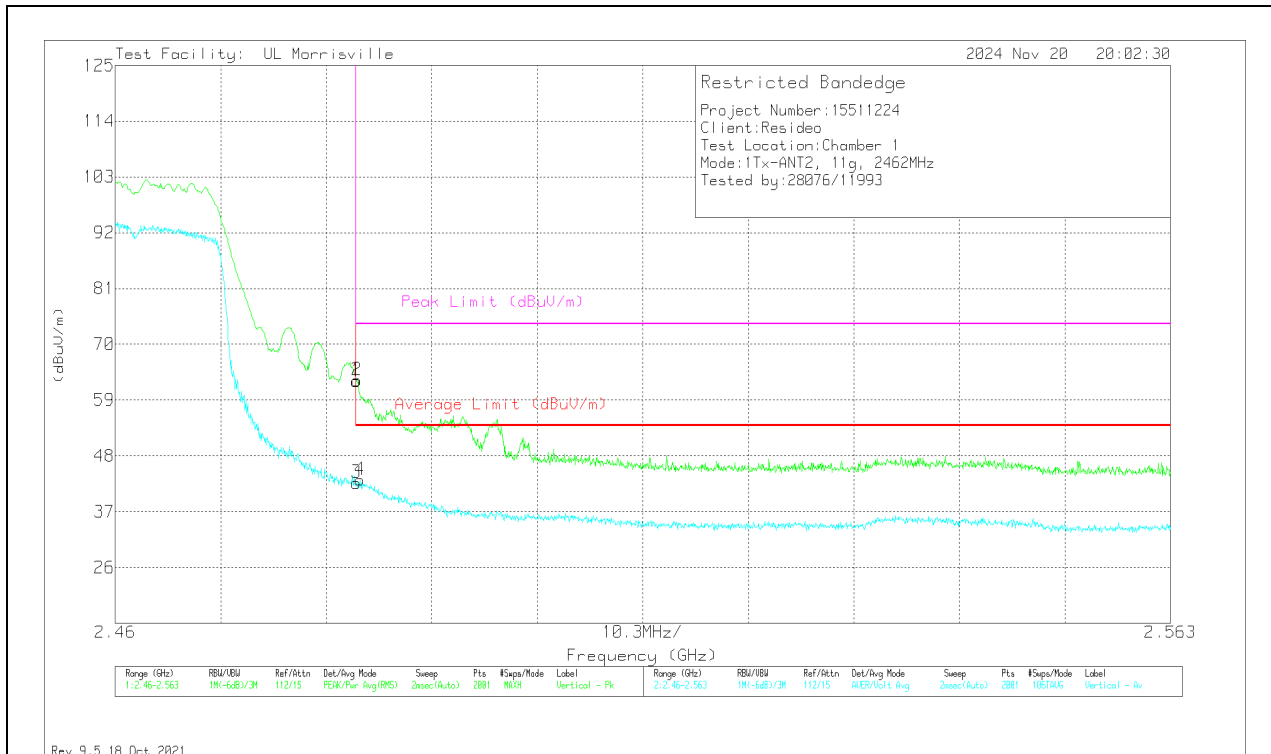
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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	54.31	Pk	32.2	-23.7	0	62.81	-	-	74	-11.19	148	121	V
2	*** 2.48359	54.43	Pk	32.2	-23.7	0	62.93	-	-	74	-11.07	148	121	V
3	*** 2.48354	33.68	ADV	32.2	-23.7	.53	42.71	54	-11.29	-	-	148	121	V
4	*** 2.4839	34.25	ADV	32.2	-23.7	.53	43.28	54	-10.72	-	-	148	121	V

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

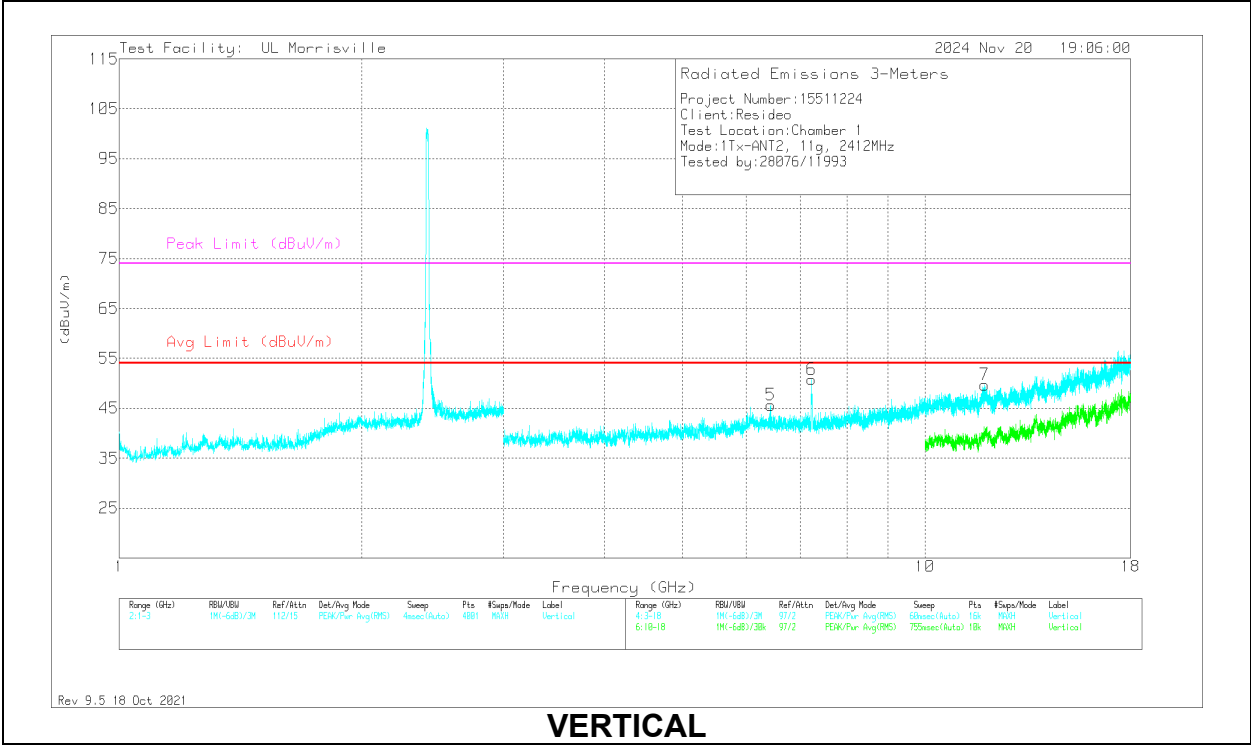
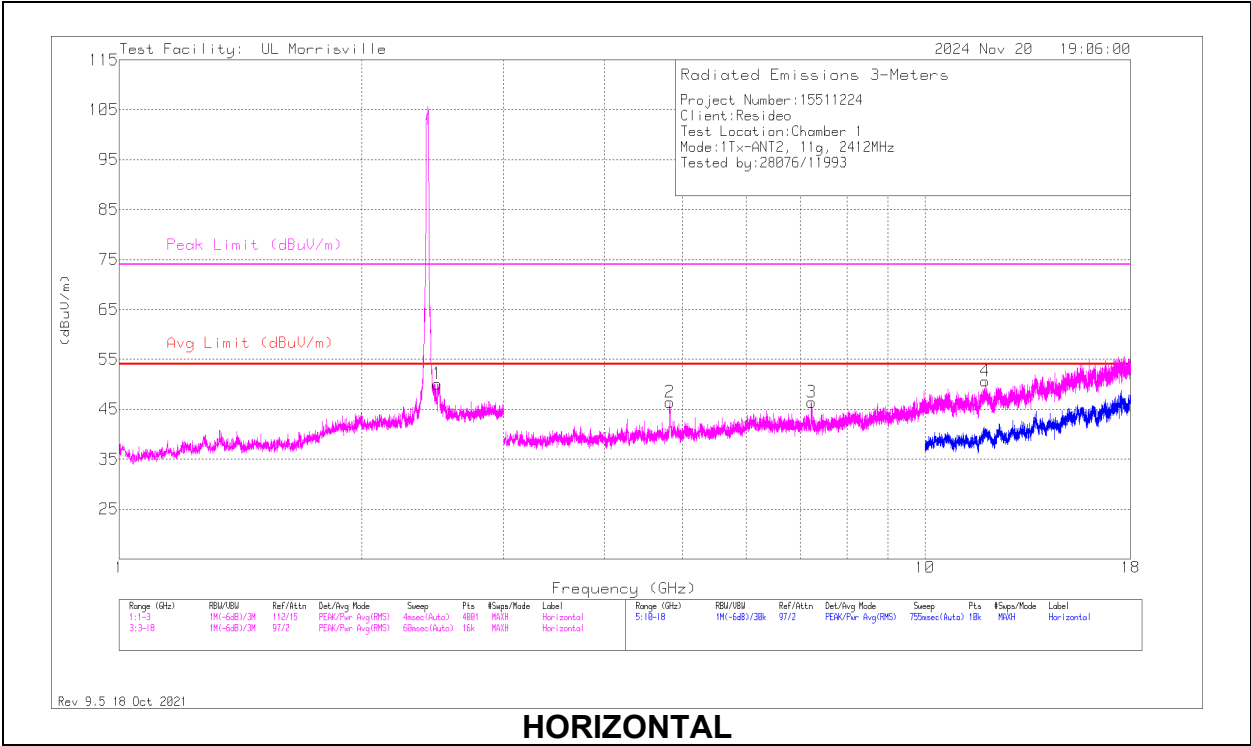
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

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	135143 (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	* ** 2.48794	45.5	PK2	32.2	-24	0	53.7	-	-	74	-20.3	7	109	H
	* ** 2.48738	33.77	ADV	32.2	-24	.53	42.5	54	-11.5	-	-	7	109	H
2	* ** 4.82344	57.86	Pk	33.9	-45.4	0	46.36	54	-7.64	74	-27.64	0-360	101	H
4	* ** 11.8747	49.68	PK2	38.6	-38.3	0	49.98	-	-	74	-24.02	145	345	H
	* ** 11.87768	36.93	ADV	38.6	-38.2	.53	37.86	54	-16.14	-	-	145	345	H
7	* ** 11.85188	49.84	PK2	38.5	-38.6	0	49.74	-	-	74	-24.26	50	276	V
	* ** 11.85126	37.19	ADV	38.5	-38.6	.53	37.62	54	-16.38	-	-	50	276	V
5	6.43219	53.19	Pk	35.6	-43.2	0	45.59	-	-	-	-	0-360	101	V
6	7.23469	57.99	Pk	35.4	-42.6	0	50.79	-	-	-	-	0-360	101	V
3	7.23656	53.5	Pk	35.4	-42.5	0	46.4	-	-	-	-	0-360	101	H

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

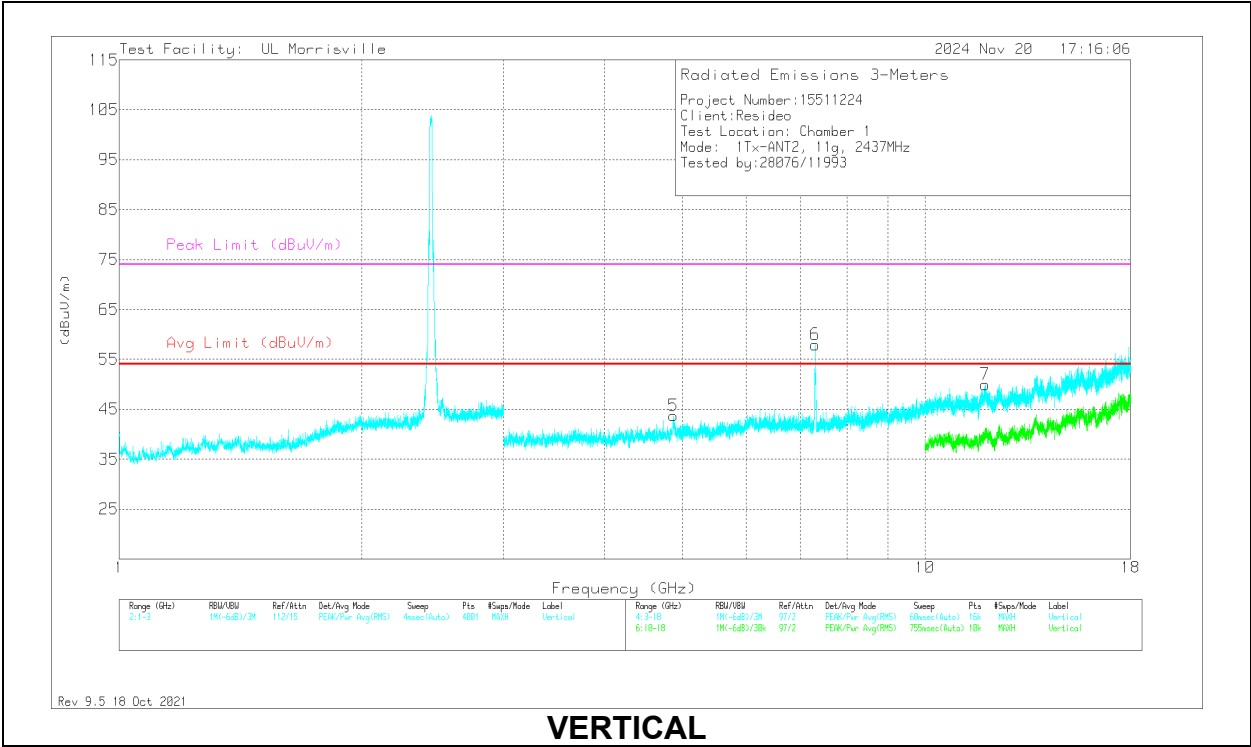
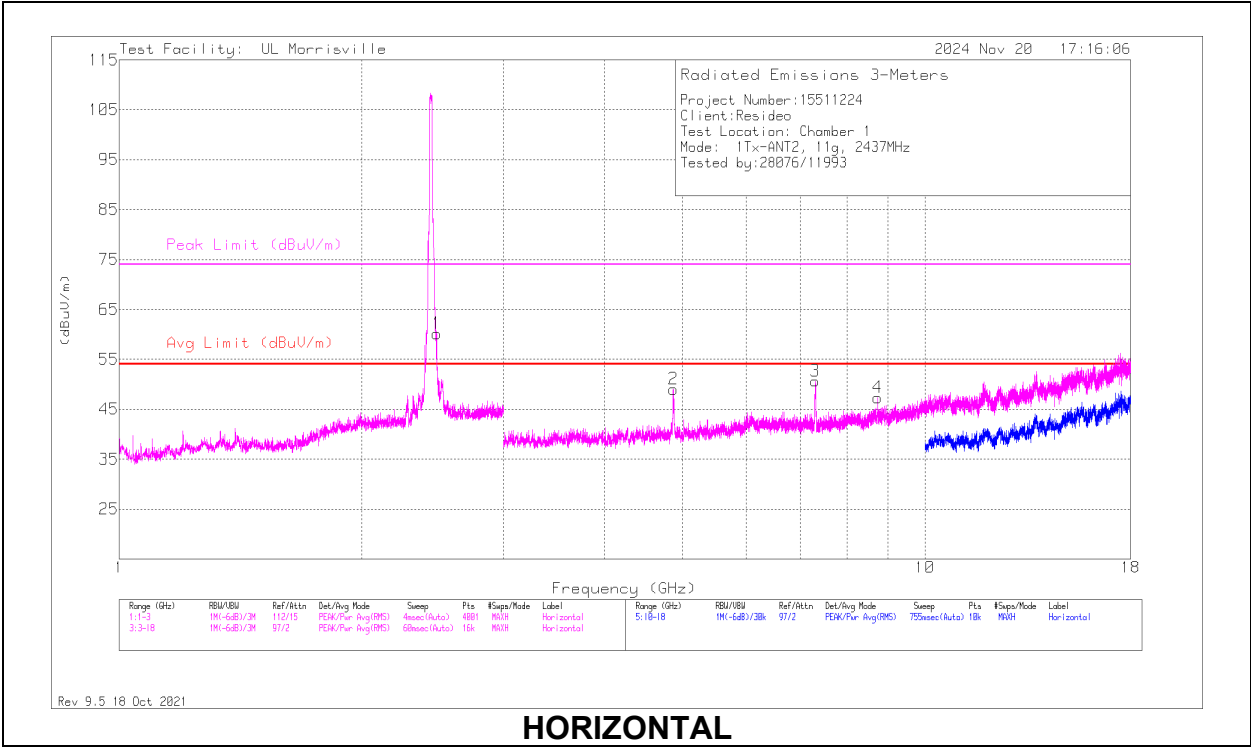
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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
2	* ** 4.87569	61.67	PK2	34	-44.8	0	50.87	-	-	74	-23.13	4	115	H
	* ** 4.87426	48.8	ADV	34	-44.8	.53	38.53	54	-15.47	-	-	4	115	H
3	* ** 7.30641	63.91	PK2	35.4	-41.8	0	57.51	-	-	74	-16.49	329	104	H
	* ** 7.30865	48.84	ADV	35.4	-41.7	.53	43.07	54	-10.93	-	-	329	104	H
5	* ** 4.875	54.52	Pk	34	-44.8	0	43.72	54	-10.28	74	-30.28	0-360	101	V
6	* ** 7.30675	66.7	PK2	35.4	-41.8	0	60.3	-	-	74	-13.7	159	108	V
	* ** 7.31073	51.98	ADV	35.4	-41.7	.53	46.21	54	-7.79	-	-	159	108	V
7	* ** 11.87805	49.97	PK2	38.6	-38.2	0	50.37	-	-	74	-23.63	274	133	V
	* ** 11.88039	36.84	ADV	38.6	-38.2	.53	37.77	54	-16.23	-	-	274	133	V
1	2.48	51.75	Pk	32.2	-23.8	0	60.15	-	-	-	-	0-360	199	H
4	8.73188	51.55	Pk	35.7	-39.9	0	47.35	-	-	-	-	0-360	200	H

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

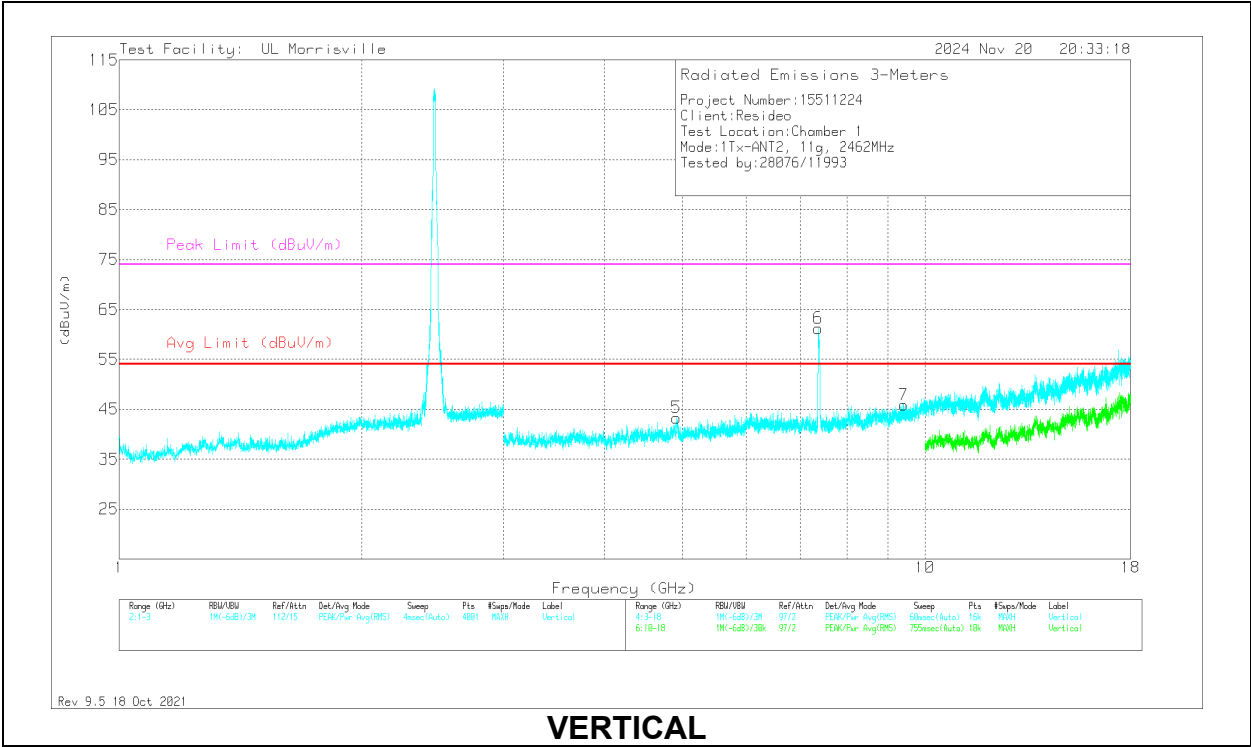
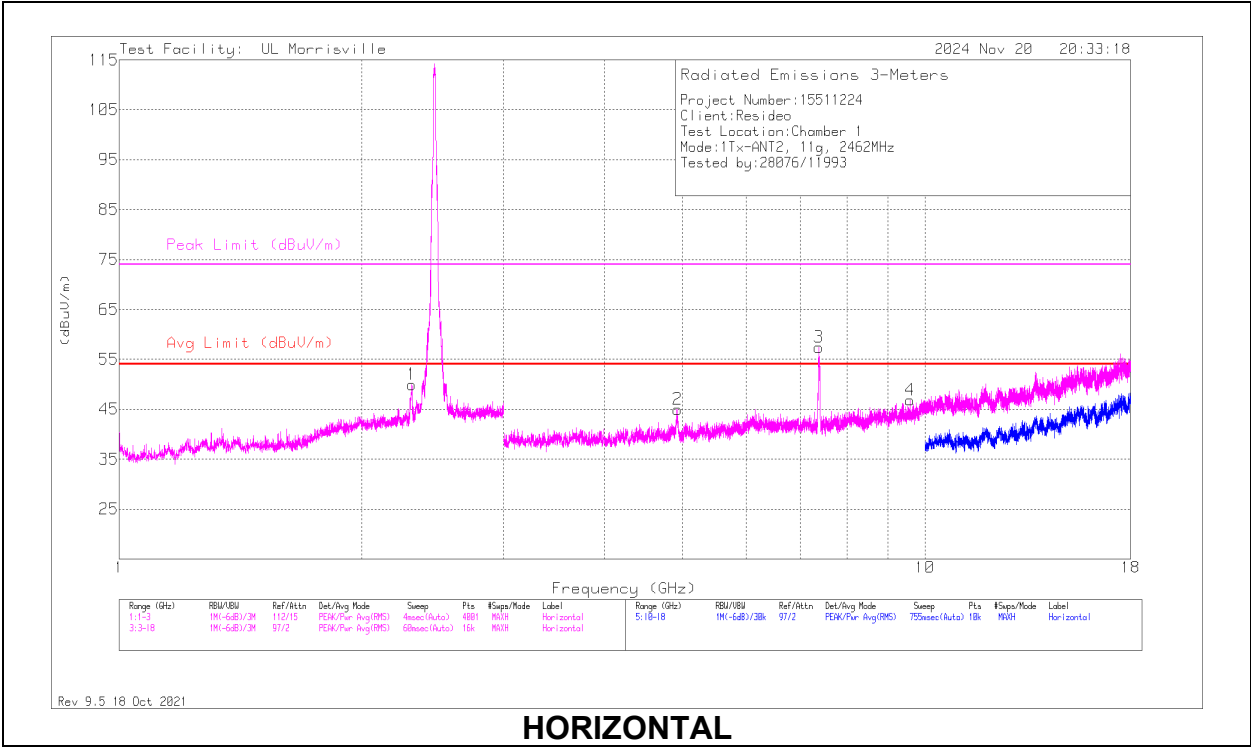
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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
2	* ** 4.93406	55.04	Pk	34.1	-44.2	0	44.94	54	-9.06	74	-29.06	0-360	101	H
3	* ** 7.38689	67.11	PK2	35.4	-41.7	0	60.81	-	-	74	-13.19	329	107	H
	* ** 7.38838	55.35	ADV	35.4	-41.7	.53	49.58	54	-4.42	-	-	329	107	H
5	* ** 4.91531	54.34	Pk	34.1	-45.2	0	43.24	54	-10.76	74	-30.76	0-360	101	V
6	* ** 7.37749	52.61	PK2	35.4	-41.7	0	46.31	-	-	74	-27.69	85	101	V
	* ** 7.37646	39.68	ADV	35.4	-41.6	.53	34.01	54	-19.99	-	-	85	101	V
7	* ** 9.41438	49.33	Pk	36.3	-39.8	0	45.83	54	-8.17	74	-28.17	0-360	101	V
1	2.308	42.78	Pk	31.6	-24.4	0	49.98	-	-	-	-	0-360	101	H
4	9.58031	50.46	Pk	36.6	-40.2	0	46.86	-	-	-	-	0-360	101	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

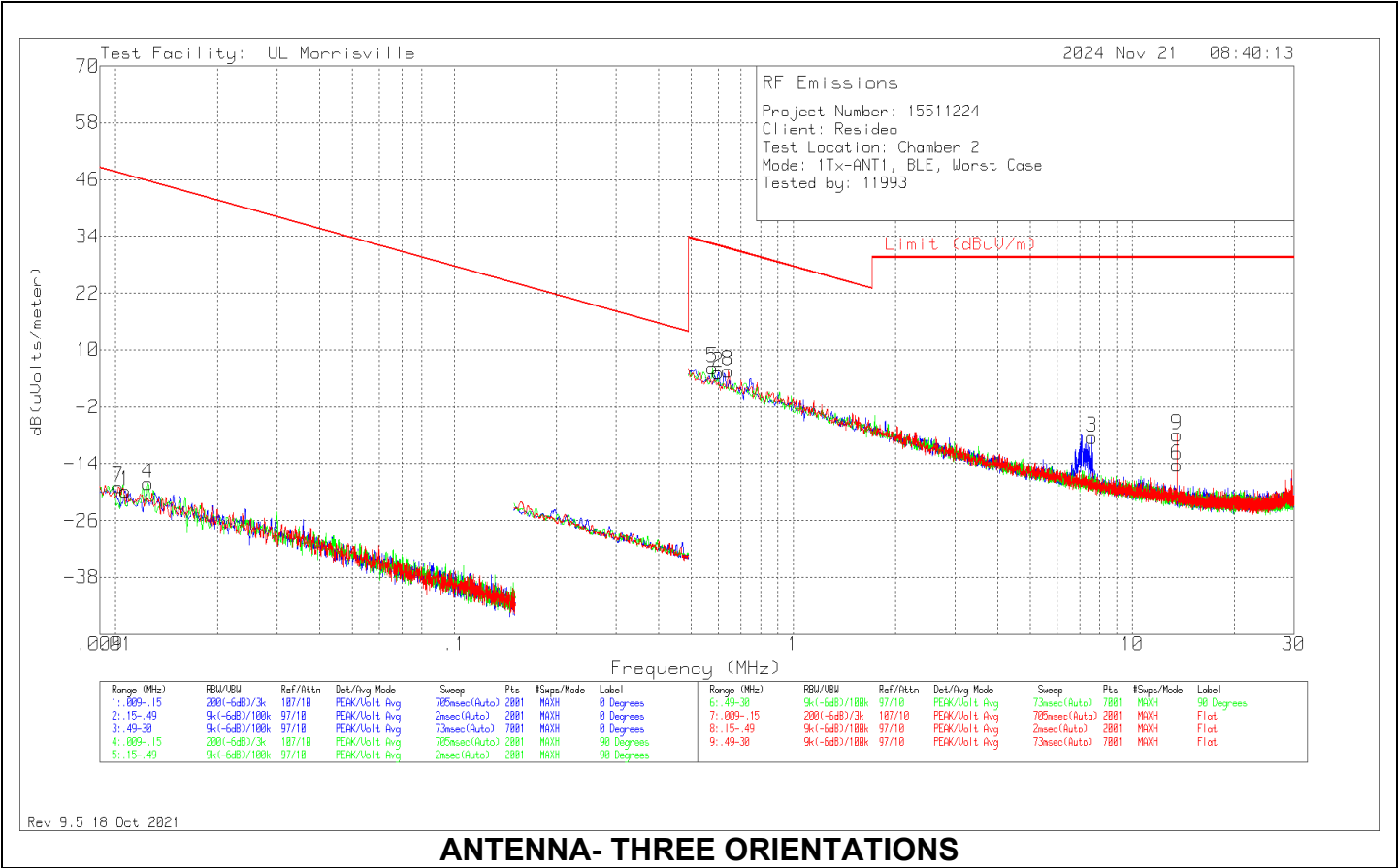
Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

9.2. WORST CASE BELOW 30MHZ

9.2.1. SPURIOUS EMISSIONS BELOW 30 MHz (BLE WORST-CASE CONFIGURATION)



E-FIELD Below 30MHz Data

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
7	.01021	42.9	Pk	18.1	.1	-80	-18.9	47.43	67.43	-66.33	0-360	Flat
1	.0107	42.27	Pk	17.9	.1	-80	-19.73	47.01	67.01	-66.74	0-360	0 degs
4	.01248	44.65	Pk	17.1	.1	-80	-18.15	45.68	65.68	-63.83	0-360	90 degs
5	.57854	35.09	Pk	11	.1	-40	6.19	32.36	-	-26.17	0-360	90 degs
2	.59962	34.22	Pk	11	.1	-40	5.32	32.05	-	-26.73	0-360	0 degs
8	.64178	34.53	Pk	11	.1	-40	5.63	31.46	-	-25.83	0-360	Flat
3	7.59396	20.64	Pk	10.5	.4	-40	-8.46	29.54	-	-38	0-360	0 degs
6	13.5596	15.36	Pk	9.8	.6	-40	-14.24	29.54	-	-43.78	0-360	90 degs
9	13.5596	21.67	Pk	9.8	.6	-40	-7.93	29.54	-	-37.47	0-360	Flat

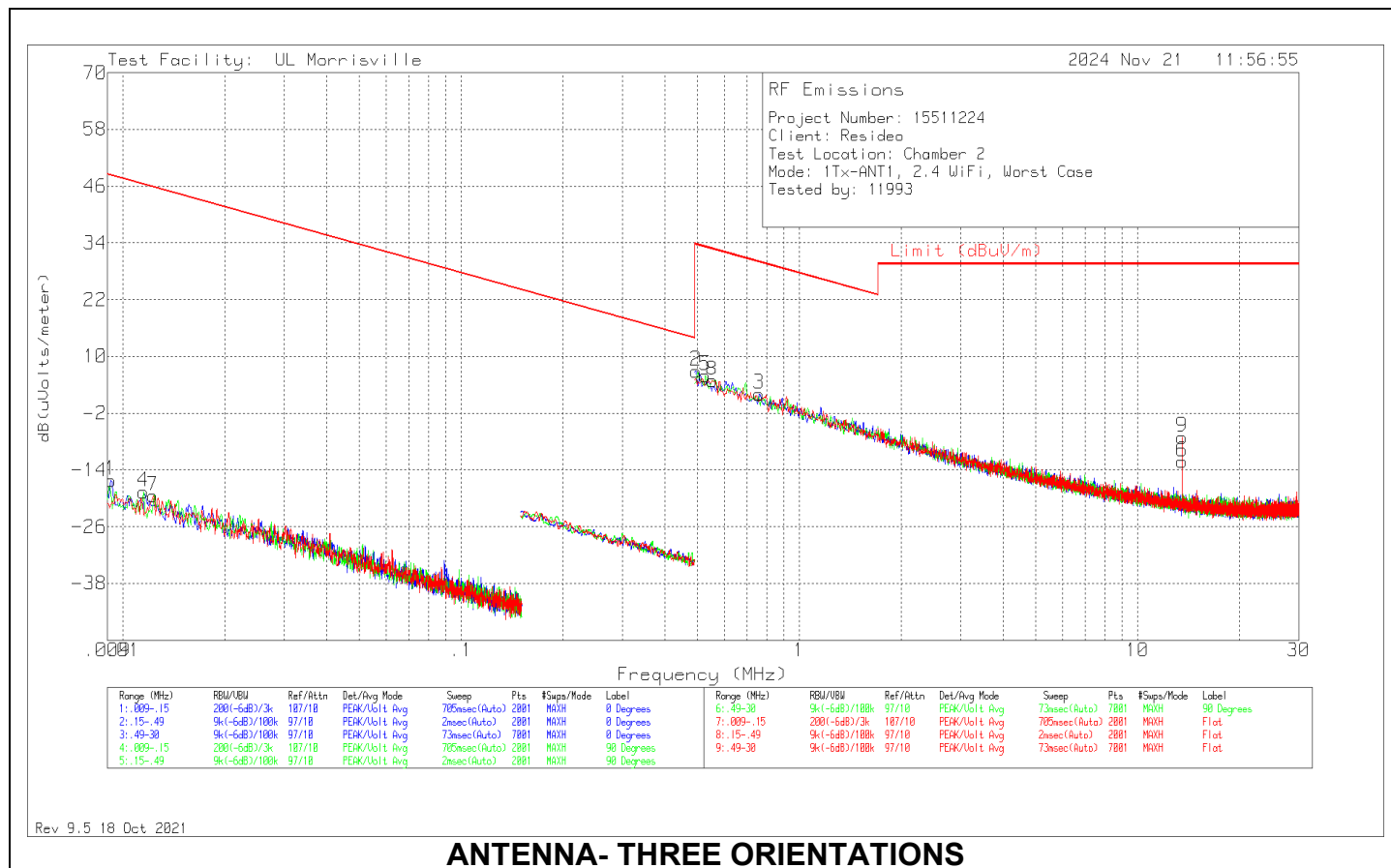
PK- Peak Detector

H-FIELD Below 30MHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	QP/AV Limit (dBuA/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
7	.01021	42.9	Pk	-33.4	.1	-80	-70.4	-4.07	15.93	-66.33	0-360	Flat
1	.0107	42.27	Pk	-33.6	.1	-80	-71.23	-4.49	15.51	-66.74	0-360	0 degs
4	.01248	44.65	Pk	-34.4	.1	-80	-69.65	-5.82	14.18	-63.83	0-360	90 degs
5	.57854	35.09	Pk	-40.5	.1	-40	-45.31	-19.14	-	-26.17	0-360	90 degs
2	.59962	34.22	Pk	-40.5	.1	-40	-46.18	-19.45	-	-26.73	0-360	0 degs
8	.64178	34.53	Pk	-40.5	.1	-40	-45.87	-20.04	-	-25.83	0-360	Flat
3	7.59396	20.64	Pk	-41	.4	-40	-59.96	-21.96	-	-38	0-360	0 degs
6	13.5596	15.36	Pk	-41.7	.6	-40	-65.74	-21.96	-	-43.78	0-360	90 degs
9	13.5596	21.67	Pk	-41.7	.6	-40	-59.43	-21.96	-	-37.47	0-360	Flat

Pk - Peak detector

9.2.2. SPURIOUS EMISSIONS BELOW 30 MHz (2.4 WLAN WORST-CASE CONFIGURATION)



E-FIELD Below 30MHz Data

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
1	.00921	44.8	Pk	18.9	.1	-80	-16.2	48.32	68.32	-64.52	0-360	0 degs
4	.01149	43.64	Pk	17.6	.1	-80	-18.66	46.4	66.4	-65.06	0-360	90 degs
7	.01227	43.16	Pk	17.2	.1	-80	-19.54	45.83	65.83	-65.37	0-360	Flat
2	.49422	35.76	Pk	11	.1	-40	6.86	33.73	-	-26.87	0-360	0 degs
5	.52794	34.81	Pk	11	.1	-40	5.91	33.15	-	-27.24	0-360	90 degs
8	.55324	33.76	Pk	11	.1	-40	4.86	32.75	-	-27.89	0-360	Flat
3	.75982	30.89	Pk	11	.1	-40	1.99	29.99	-	-28	0-360	0 degs
6	13.5596	17.37	Pk	9.8	.6	-40	-12.23	29.54	-	-41.77	0-360	90 degs
9	13.5596	22.45	Pk	9.8	.6	-40	-7.15	29.54	-	-36.69	0-360	Flat

PK- Peak Detector

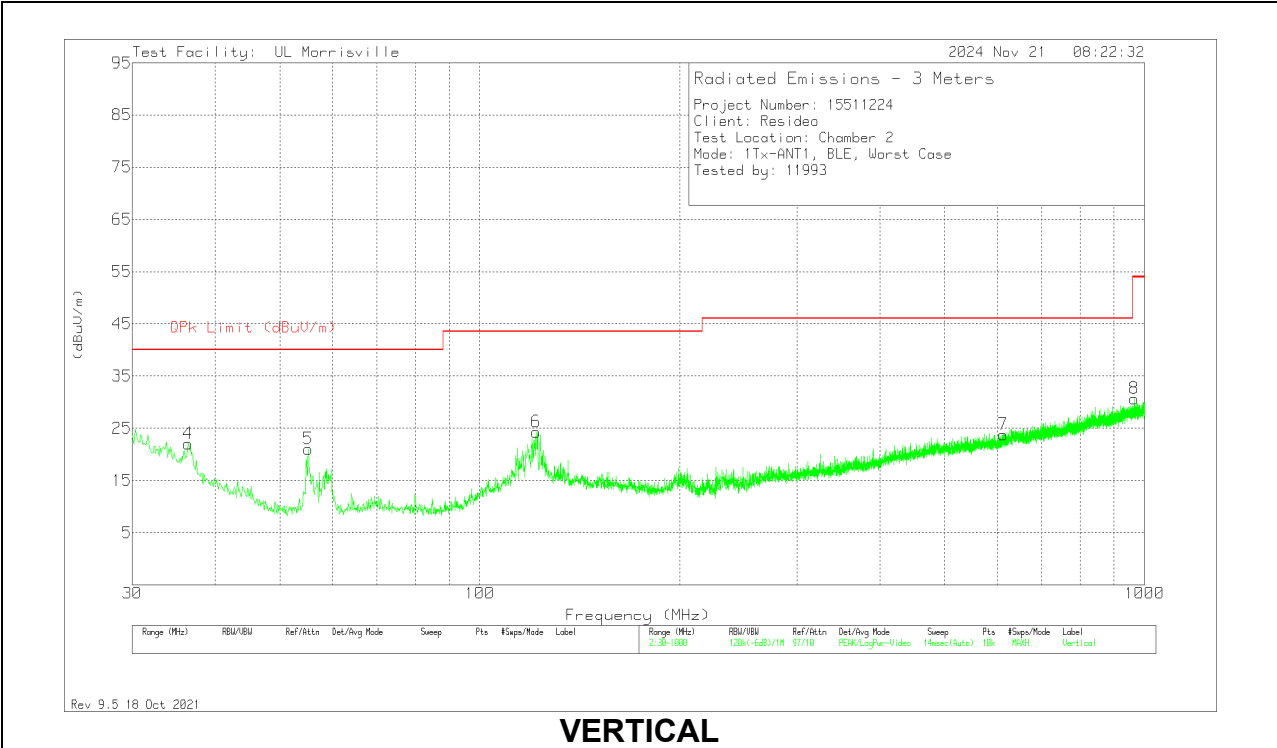
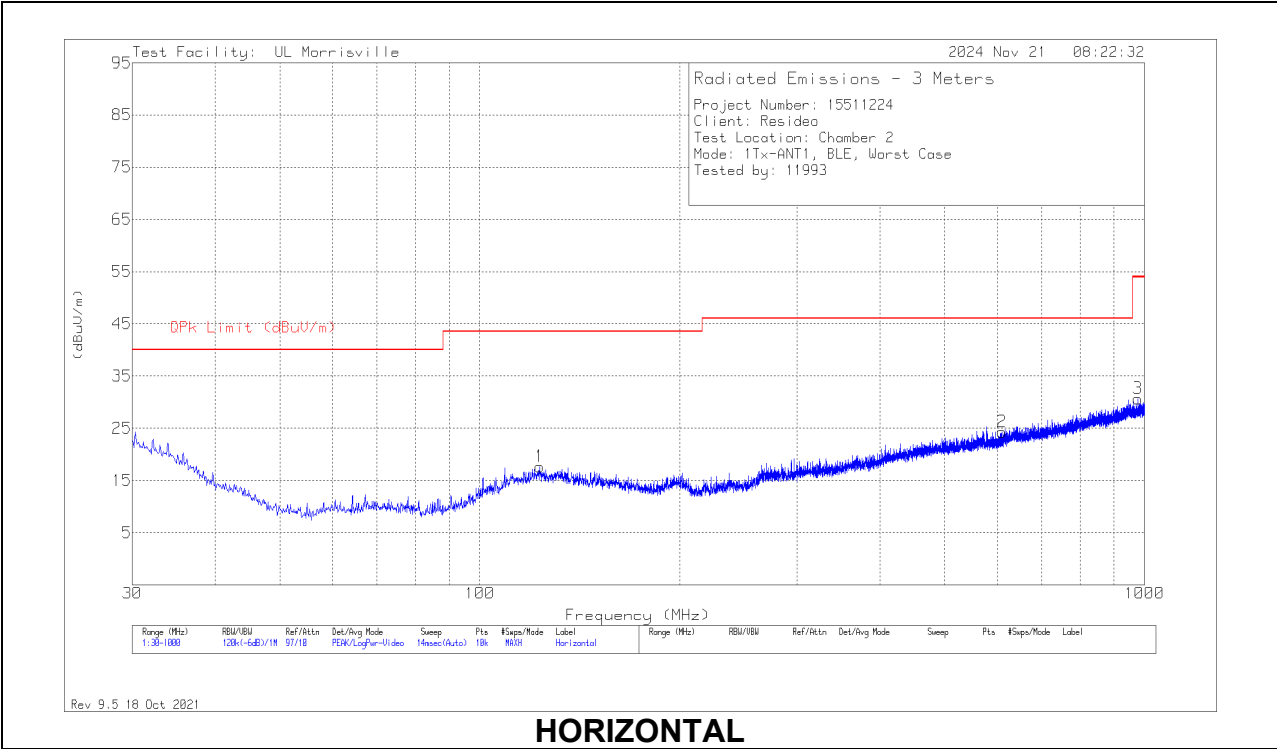
H-FIELD Below 30MHz DATA

Marker	Frequency (MHz)	Meter Reading (dBUA)	Det	135144 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	QP/AV Limit (dBUA/m)	PK Limit (dBUA/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.00921	44.8	Pk	-32.6	.1	-80	-67.7	-3.18	16.82	-64.52	0-360	0 degs
4	.01149	43.64	Pk	-33.9	.1	-80	-70.16	-5.1	14.90	-65.06	0-360	90 degs
7	.01227	43.16	Pk	-34.3	.1	-80	-71.04	-5.67	14.33	-65.37	0-360	Flat
2	.49422	35.76	Pk	-40.5	.1	-40	-44.64	-17.77	-	-26.87	0-360	0 degs
5	.52794	34.81	Pk	-40.5	.1	-40	-45.59	-18.35	-	-27.24	0-360	90 degs
8	.55324	33.76	Pk	-40.5	.1	-40	-46.64	-18.75	-	-27.89	0-360	Flat
3	.75982	30.89	Pk	-40.5	.1	-40	-49.51	-21.51	-	-28	0-360	0 degs
6	13.5596	17.37	Pk	-41.7	.6	-40	-63.73	-21.96	-	-41.77	0-360	90 degs
9	13.5596	22.45	Pk	-41.7	.6	-40	-58.65	-21.96	-	-36.69	0-360	Flat

PK- Peak Detector

9.3. WORST CASE BELOW 1 GHZ

9.3.1. SPURIOUS EMISSIONS 30 TO 1000 MHz (BLE WORST-CASE CONFIGURATION)

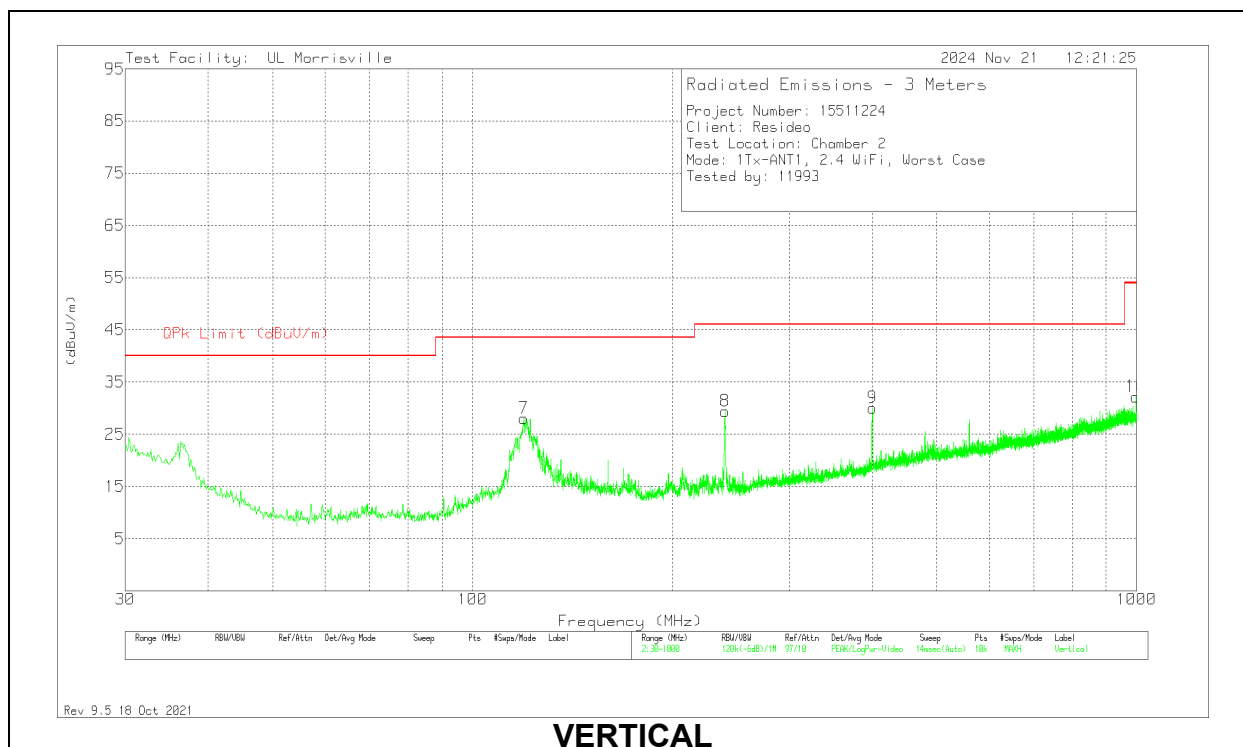
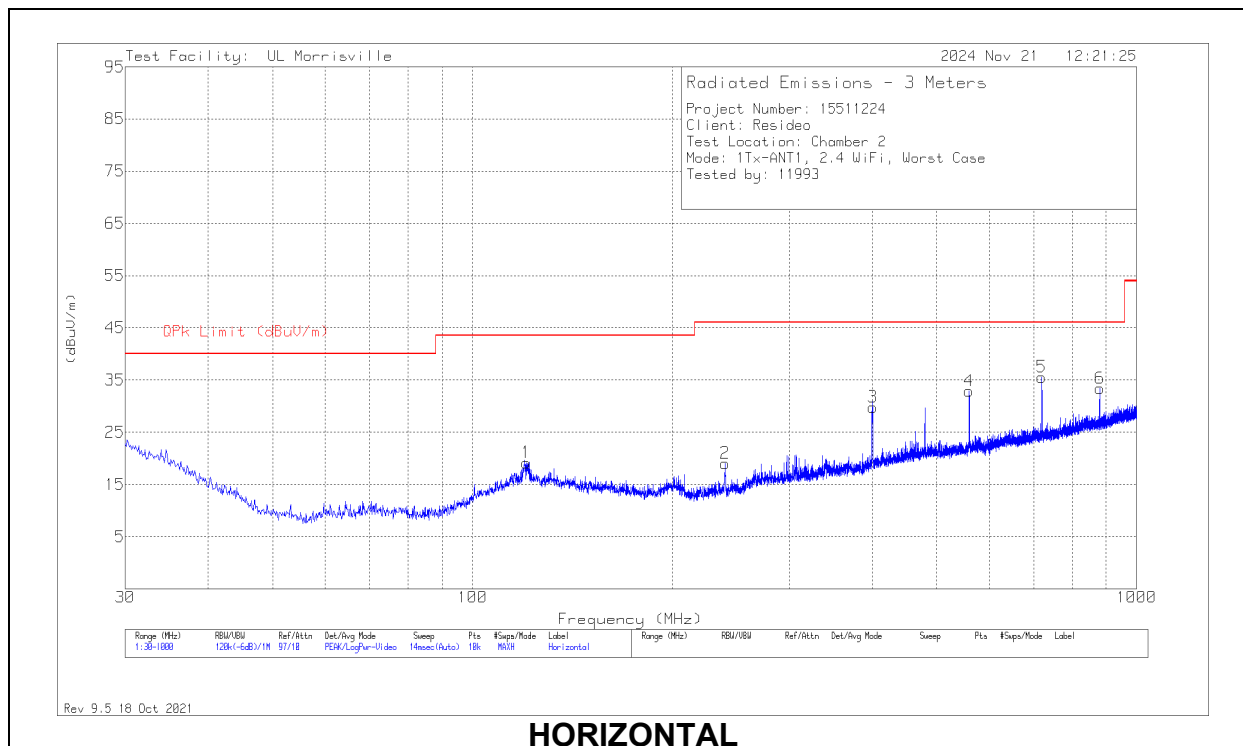


Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 123.023	28	Pk	20.3	-30.6	17.7	43.52	-25.82	0-360	101	H
2	*** 610.448	26.97	Pk	25.4	-28.1	24.27	46.02	-21.75	0-360	299	H
3	*** 978.078	26.14	Pk	29.8	-25.3	30.64	53.97	-23.33	0-360	299	H
6	*** 121.568	34.76	Pk	20.2	-30.7	24.26	43.52	-19.26	0-360	101	V
7	*** 612.582	26.23	Pk	25.6	-28	23.83	46.02	-22.19	0-360	199	V
8	*** 965.371	26.42	Pk	29.6	-25.4	30.62	53.97	-23.35	0-360	101	V
4	36.402	30.67	Pk	23	-31.6	22.07	-	-	0-360	101	V
5	55.22	38.68	Pk	13.7	-31.4	20.98	-	-	0-360	199	V

PK- Peak Detector

9.3.2. SPURIOUS EMISSIONS 30 TO 1000 MHz (2.4 WLAN WORST-CASE CONFIGURATION)



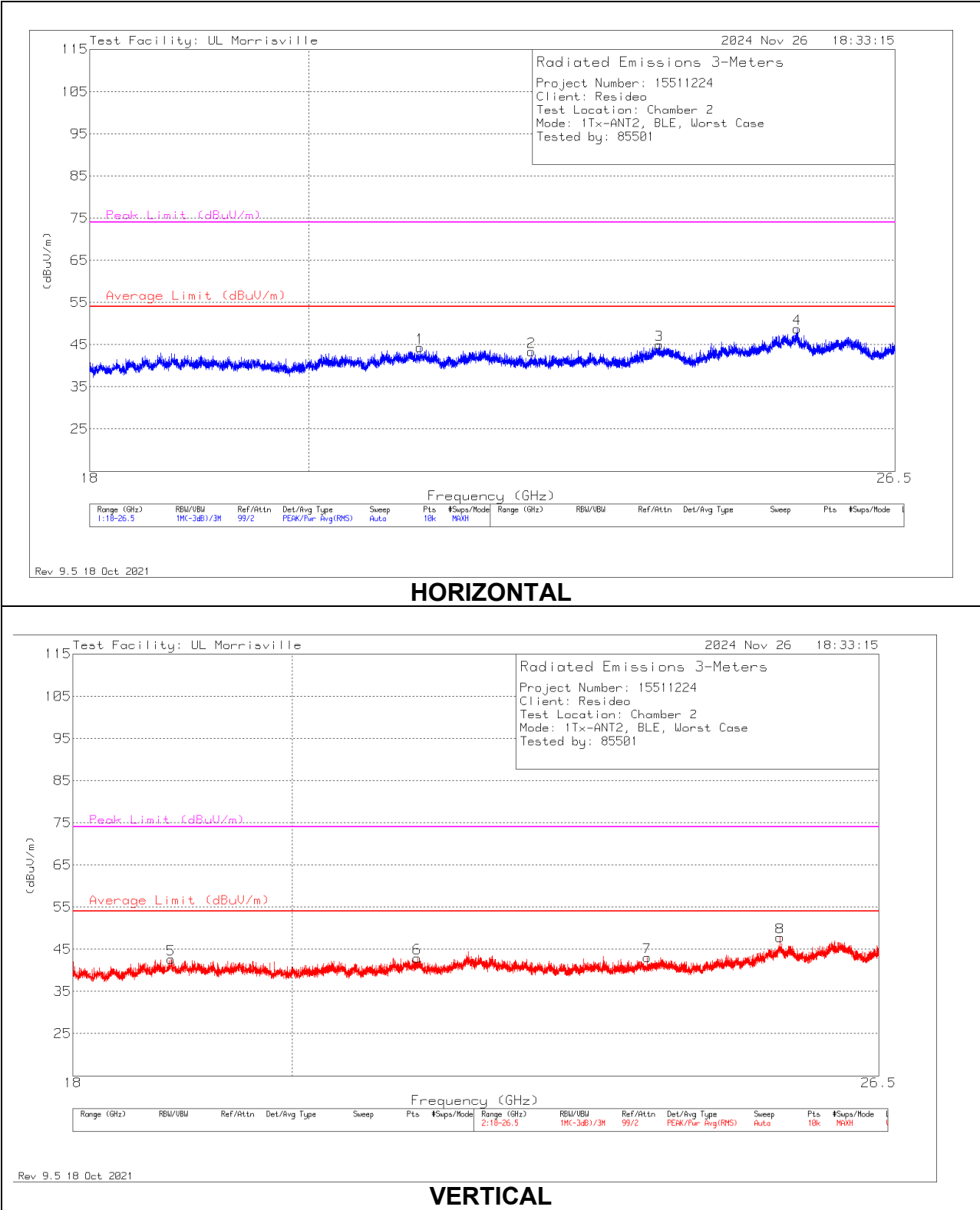
Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 120.501	29.65	Pk	20.2	-30.7	19.15	43.52	-24.37	0-360	299	H
2	*** 240.005	30.62	Pk	18.1	-29.7	19.02	46.02	-27	0-360	101	H
3	*** 400.443	36.48	Pk	22.1	-28.8	29.78	46.02	-16.24	0-360	101	H
5	** 720.058	36.07	Pk	27	-27.5	35.57	46.02	-10.45	0-360	101	H
6	** 879.817	31.17	Pk	28.6	-26.4	33.37	46.02	-12.65	0-360	101	H
7	*** 119.531	38.59	Pk	20.2	-30.7	28.09	43.52	-15.43	0-360	101	V
8	*** 240.005	41.06	Pk	18.1	-29.7	29.46	46.02	-16.56	0-360	101	V
9	*** 400.346	36.69	Pk	22.1	-28.7	30.09	46.02	-15.93	0-360	101	V
10	*** 997.09	27.19	Pk	30	-25	32.19	53.97	-21.78	0-360	199	V
4	559.717	35.97	Pk	25	-28.1	32.87	-	-	0-360	399	H

PK- Peak Detector

9.4. WORST CASE 18-26 GHZ

9.4.1. SPURIOUS EMISSIONS 18-26 GHz (BLE WORST-CASE CONFIGURATION)



18 – 26GHz Data

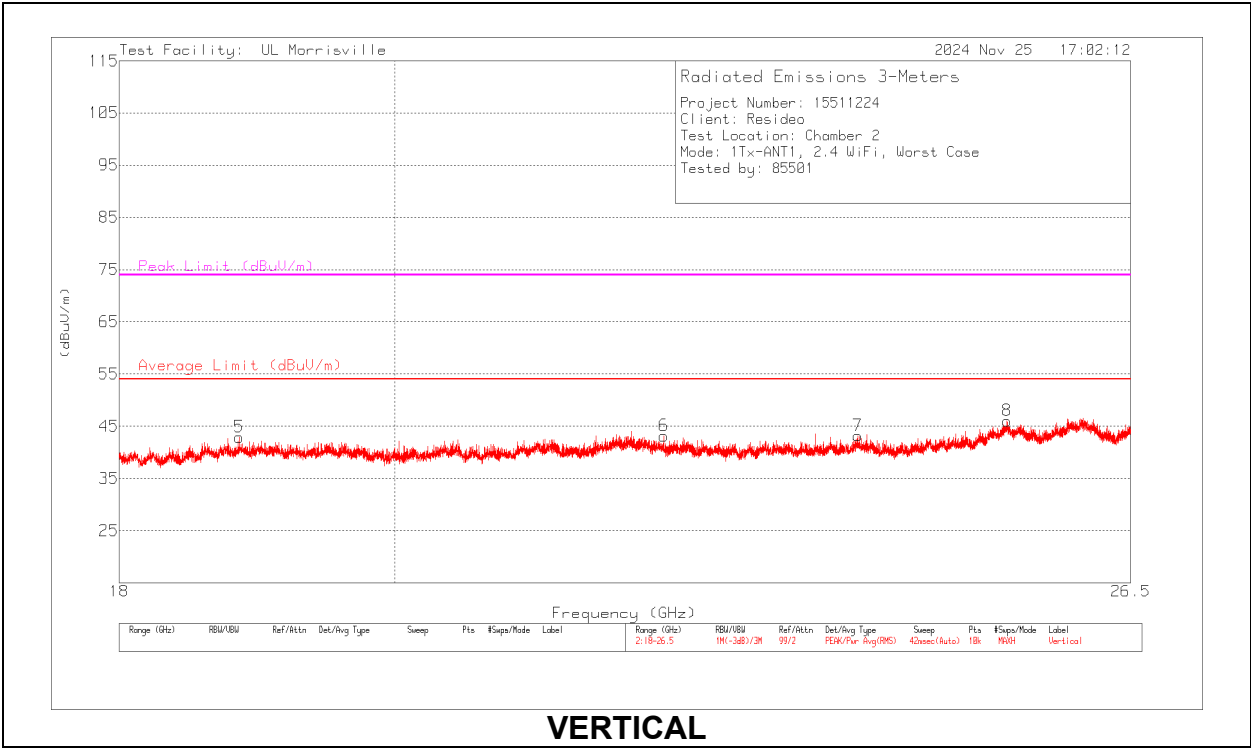
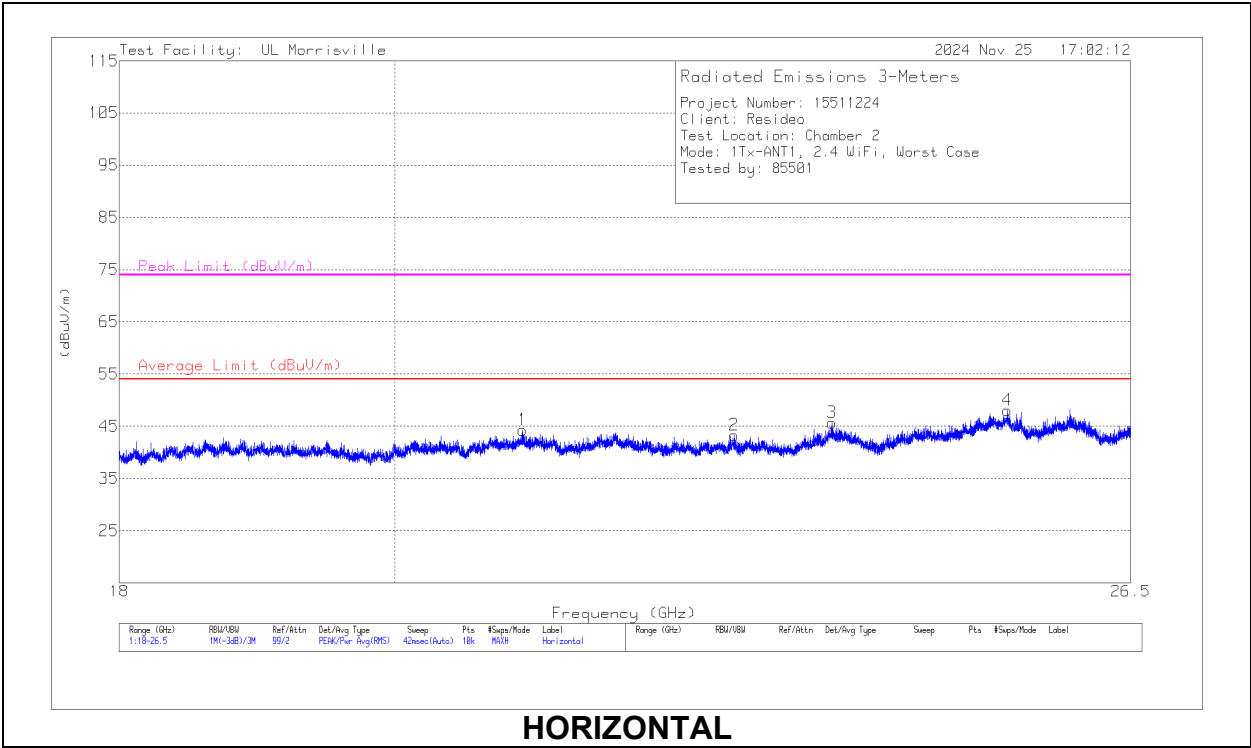
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 21.09624	50.61	Pk	33.7	-40	44.31	54	-9.69	74	-29.69	0-360	200	H
2	* ** 22.25552	49.37	Pk	34.2	-40.2	43.37	54	-10.63	74	-30.63	0-360	150	H
3	* ** 23.66383	50.39	Pk	34.5	-39.9	44.99	54	-9.01	74	-29.01	0-360	101	H
5	* ** 18.86861	49.2	Pk	33.5	-40.1	42.6	54	-11.4	74	-31.4	0-360	101	V
6	* ** 21.23563	49.37	Pk	33.5	-40	42.87	54	-11.13	74	-31.13	0-360	201	V
7	* ** 23.71228	48.52	Pk	34.5	-39.9	43.12	54	-10.88	74	-30.88	0-360	300	V
8	25.27272	51.23	Pk	35.7	-39.1	47.83	54	-6.17	74	-26.17	0-360	250	V
4	25.28377	52.09	Pk	35.7	-39	48.79	54	-5.21	74	-25.21	0-360	150	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

9.4.2. SPURIOUS EMISSIONS 18-26 GHz (2.4 WLAN WORST-CASE CONFIGURATION)



18 – 26GHz Data

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	*** 21.00105	50.67	Pk	33.6	-40	44.27	54	-9.73	74	-29.73	0-360	149	H
2	*** 22.77397	49.4	Pk	34.1	-40.2	43.3	54	-10.7	74	-30.7	0-360	101	H
3	*** 23.63834	50.98	Pk	34.6	-39.9	45.68	54	-8.32	74	-28.32	0-360	101	H
5	*** 18.84567	49.58	Pk	33.4	-40.1	42.88	54	-11.12	74	-31.12	0-360	250	V
6	*** 22.16628	49.05	Pk	34.3	-40.2	43.15	54	-10.85	74	-30.85	0-360	150	V
7	*** 23.87291	48.71	Pk	34.4	-39.9	43.21	54	-10.79	74	-30.79	0-360	300	V
8	25.27782	49.4	Pk	35.7	-39.1	46	-	-	-	-	0-360	300	V
4	25.28037	51.35	Pk	35.7	-39	48.05	-	-	-	-	0-360	149	H

PK- Peak Detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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

AC Power Line Conducted Emissions: ANSI C63.10-2020, Section 6.2.

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

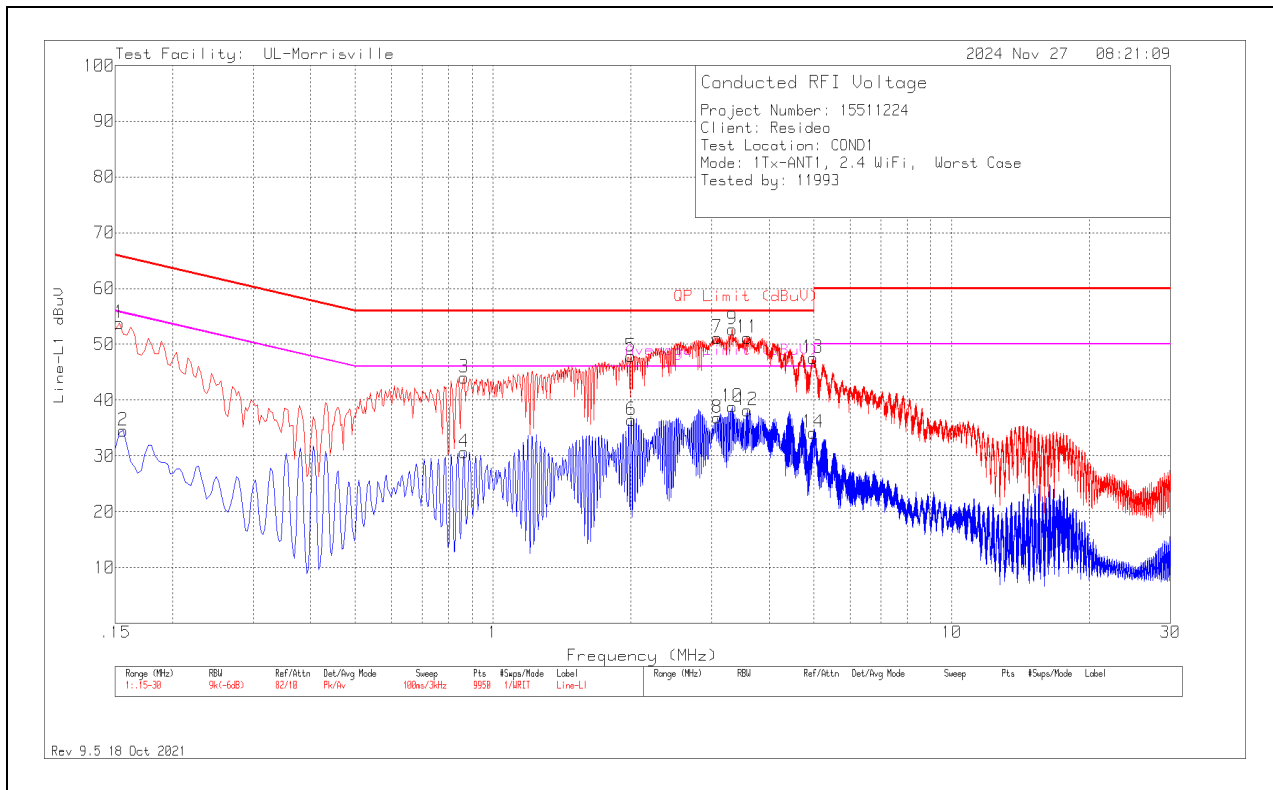
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

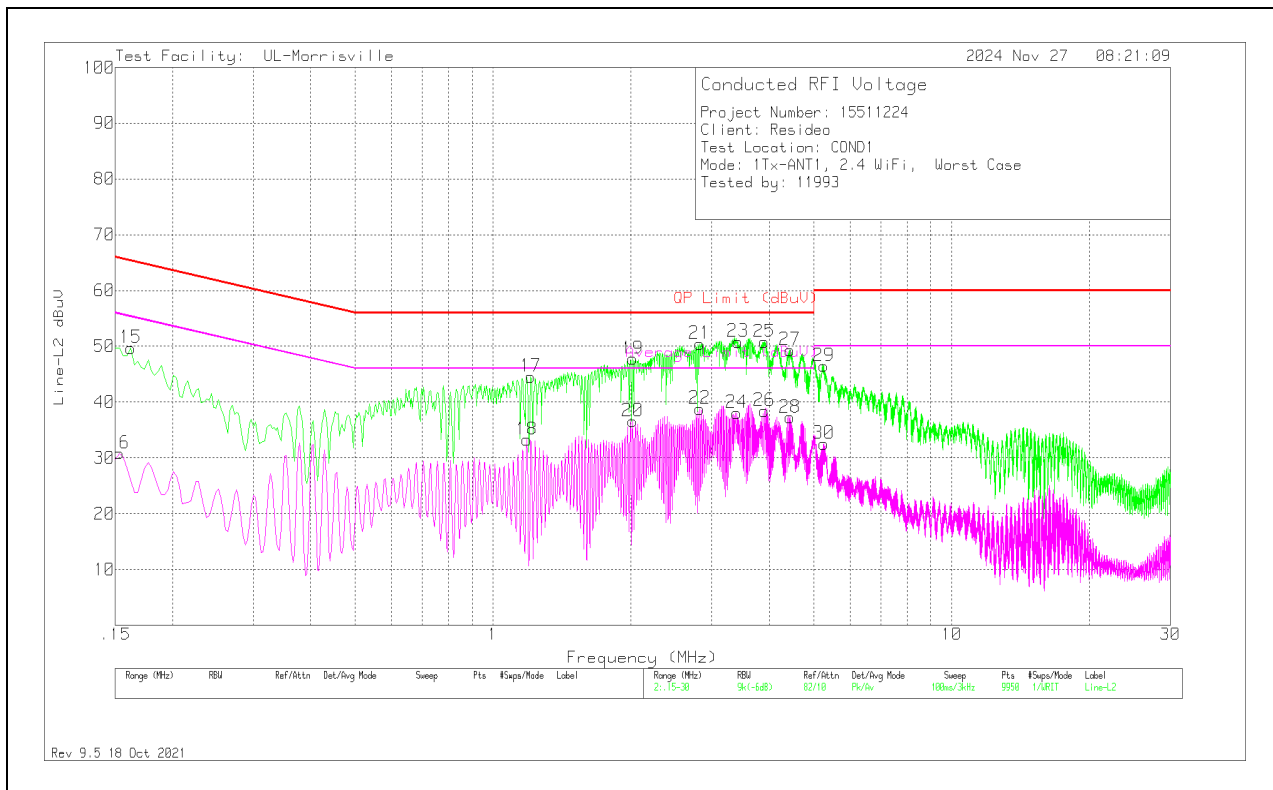
RESULTS

10.1.1. AC Power Line Norm – 2.4 WLAN

LINE 1 RESULTS



LINE 2 RESULTS

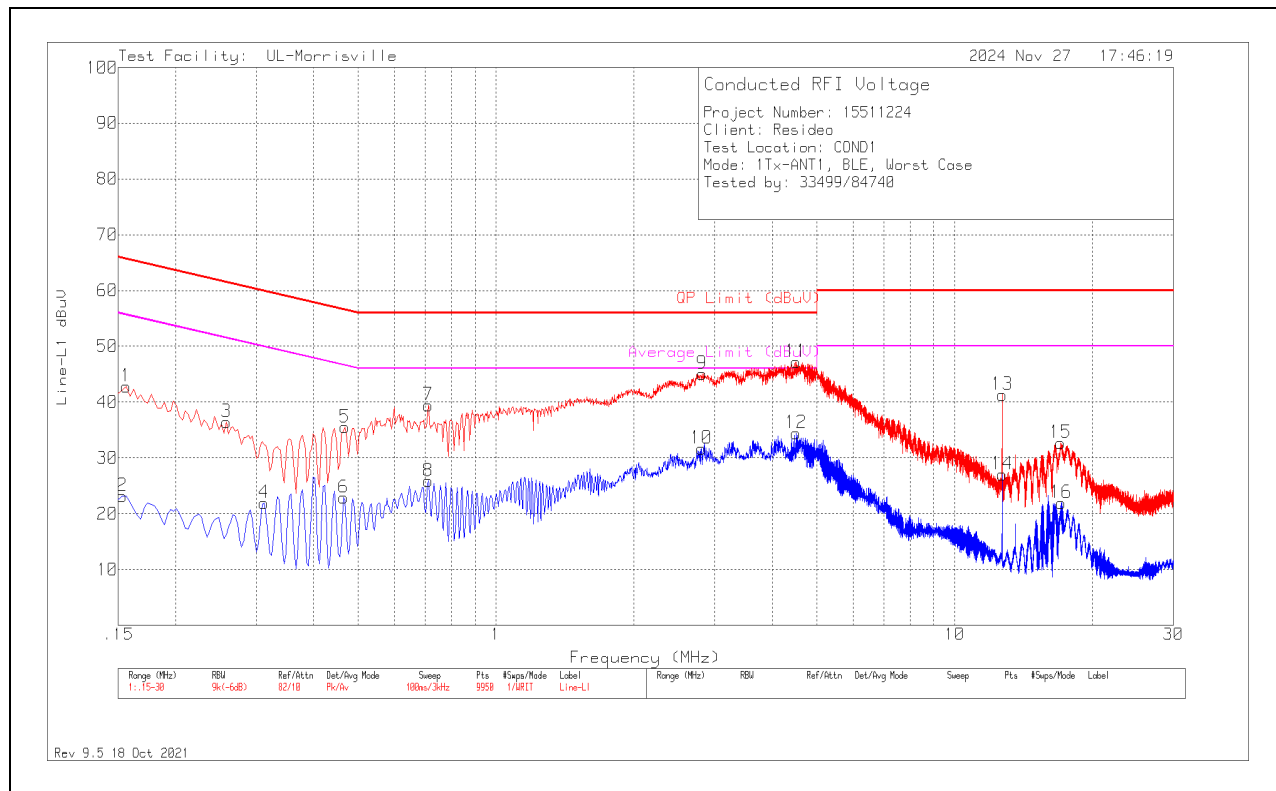


Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
16	.153	20.84	Av	.2	9.8	30.84	-	-	55.84	-25
15	.162	39.73	Pk	.2	9.8	49.73	65.36	-15.63	-	-
18	1.185	23.43	Av	0	9.8	33.23	-	-	46	-12.77
17	1.209	34.8	Pk	0	9.8	44.6	56	-11.4	-	-
20	2.016	26.8	Av	0	9.8	36.6	-	-	46	-9.4
19	2.019	37.95	Pk	0	9.8	47.75	56	-8.25	-	-
22	2.823	29.04	Av	0	9.8	38.84	-	-	46	-7.16
21	2.84292	38.47	Qp	0	9.8	48.27	56	-7.73	-	-
24	3.402	28.26	Av	0	9.8	38.06	-	-	46	-7.94
23	3.40634	36.45	Qp	0	9.8	46.25	56	-9.75	-	-
25	3.89554	39.45	Qp	0	9.9	49.35	56	-6.65	-	-
26	3.906	28.56	Av	0	9.9	38.46	-	-	46	-7.54
28	4.437	27.23	Av	.1	9.9	37.23	-	-	46	-8.77
27	4.44	39.35	Pk	.1	9.9	49.35	56	-6.65	-	-
29	5.265	36.49	Pk	.1	9.9	46.49	60	-13.51	-	-
30	5.271	22.58	Av	.1	9.9	32.58	-	-	50	-17.42

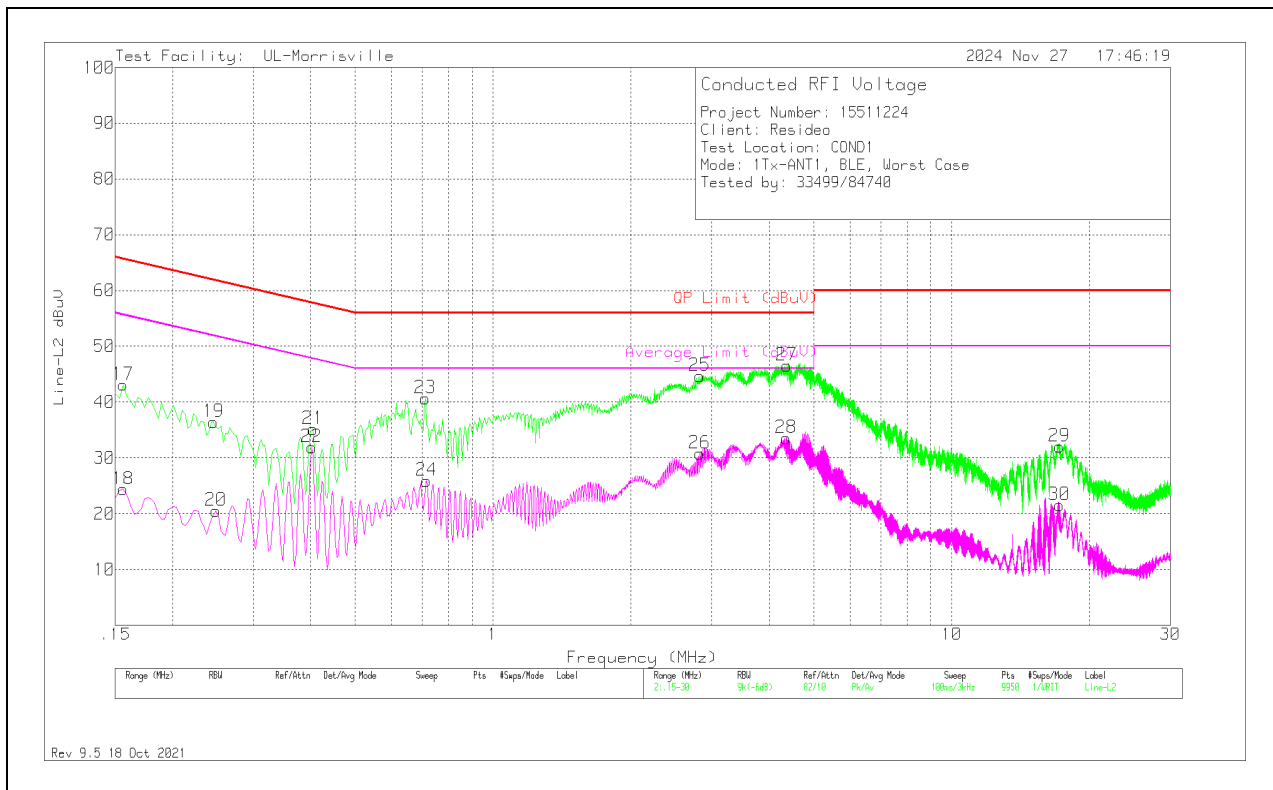
10.1.2. AC Power Line Norm - BLE

LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.156	32.78	Pk	.2	9.8	42.78	65.67	-22.89	-	-
2	.153	13.18	Av	.2	9.8	23.18	-	-	55.84	-32.66
3	.258	26.52	Pk	.1	9.8	36.42	61.5	-25.08	-	-
4	.312	12	Av	.1	9.8	21.9	-	-	49.92	-28.02
5	.468	25.68	Pk	0	9.8	35.48	56.55	-21.07	-	-
6	.465	13.04	Av	0	9.8	22.84	-	-	46.6	-23.76
7	.711	29.67	Pk	0	9.8	39.47	56	-16.53	-	-
8	.711	16.04	Av	0	9.8	25.84	-	-	46	-20.16
9	2.811	35.24	Pk	0	9.8	45.04	56	-10.96	-	-
10	2.802	21.88	Av	0	9.8	31.68	-	-	46	-14.32
11	4.518	37.18	Pk	.1	9.9	47.18	56	-8.82	-	-
12	4.518	24.45	Av	.1	9.9	34.45	-	-	46	-11.55
13	12.693	31.19	Pk	.1	10	41.29	60	-18.71	-	-
14	12.693	16.89	Av	.1	10	26.99	-	-	50	-23.01
15	17.037	22.4	Pk	.2	10.1	32.7	60	-27.3	-	-
16	17.07	11.57	Av	.2	10.1	21.87	-	-	50	-28.13

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
17	.156	33.11	Pk	.2	9.8	43.11	65.67	-22.56	-	-
18	.156	14.34	Av	.2	9.8	24.34	-	-	55.67	-31.33
19	.246	26.56	Pk	.1	9.8	36.46	61.89	-25.43	-	-
20	.249	10.62	Av	.1	9.8	20.52	-	-	51.79	-31.27
21	.405	25.27	Pk	.1	9.8	35.17	57.75	-22.58	-	-
22	.402	22.05	Av	.1	9.8	31.95	-	-	47.81	-15.86
23	.711	30.85	Pk	0	9.8	40.65	56	-15.35	-	-
24	.717	16.11	Av	0	9.8	25.91	-	-	46	-20.09
25	2.826	34.87	Pk	0	9.8	44.67	56	-11.33	-	-
26	2.826	21.01	Av	0	9.8	30.81	-	-	46	-15.19
27	4.374	36.6	Pk	.1	9.9	46.6	56	-9.4	-	-
28	4.356	23.51	Av	.1	9.9	33.51	-	-	46	-12.49
29	17.184	21.75	Pk	.2	10.1	32.05	60	-27.95	-	-
30	17.175	11.21	Av	.2	10.1	21.51	-	-	50	-28.49

11. SETUP PHOTOS

Please refer to R15511224-EP1 for setup photos

END OF TEST REPORT