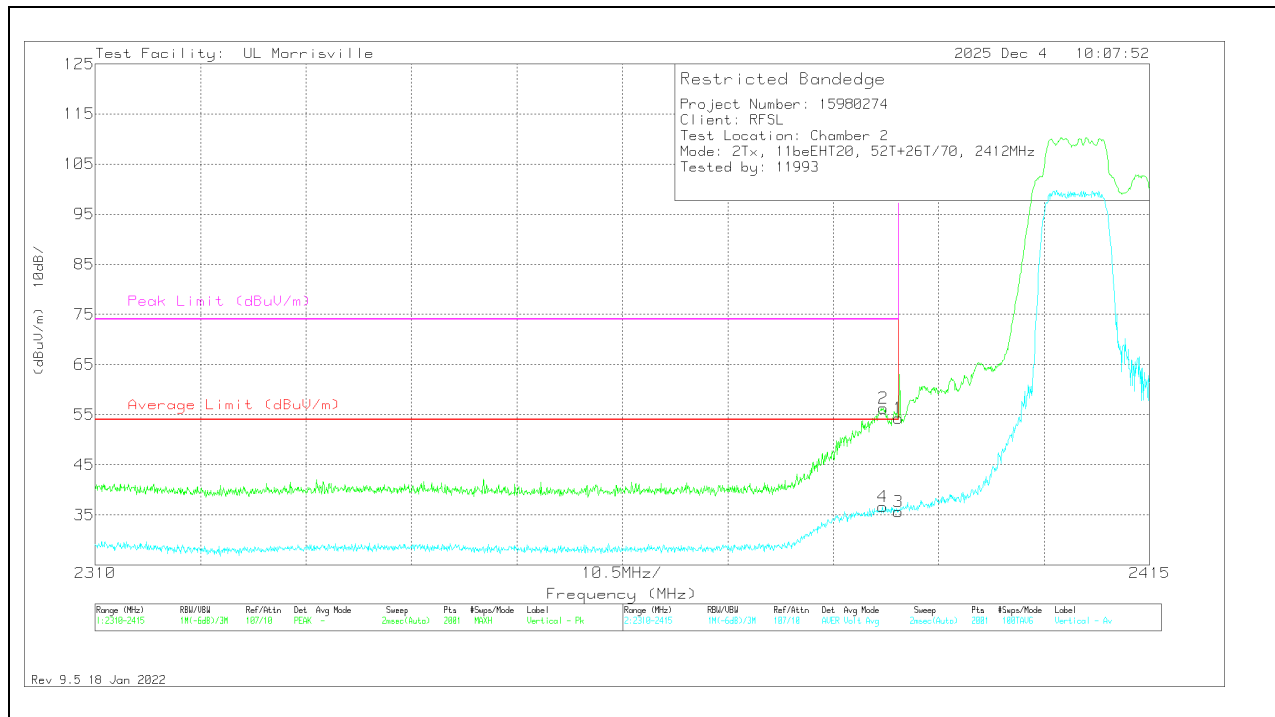


VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	* ** 2390	47.18	Pk	32.2	-25.1	54.28	-	-	74	-19.72	124	257	V
2	* ** 2388.488	49.09	Pk	32.2	-25	56.29	-	-	74	-17.71	124	257	V
3	* ** 2390	28.55	ADV	32.2	-25.1	35.65	54	-18.35	-	-	124	257	V
4	* ** 2388.435	29.39	ADV	32.2	-25	36.59	54	-17.41	-	-	124	257	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

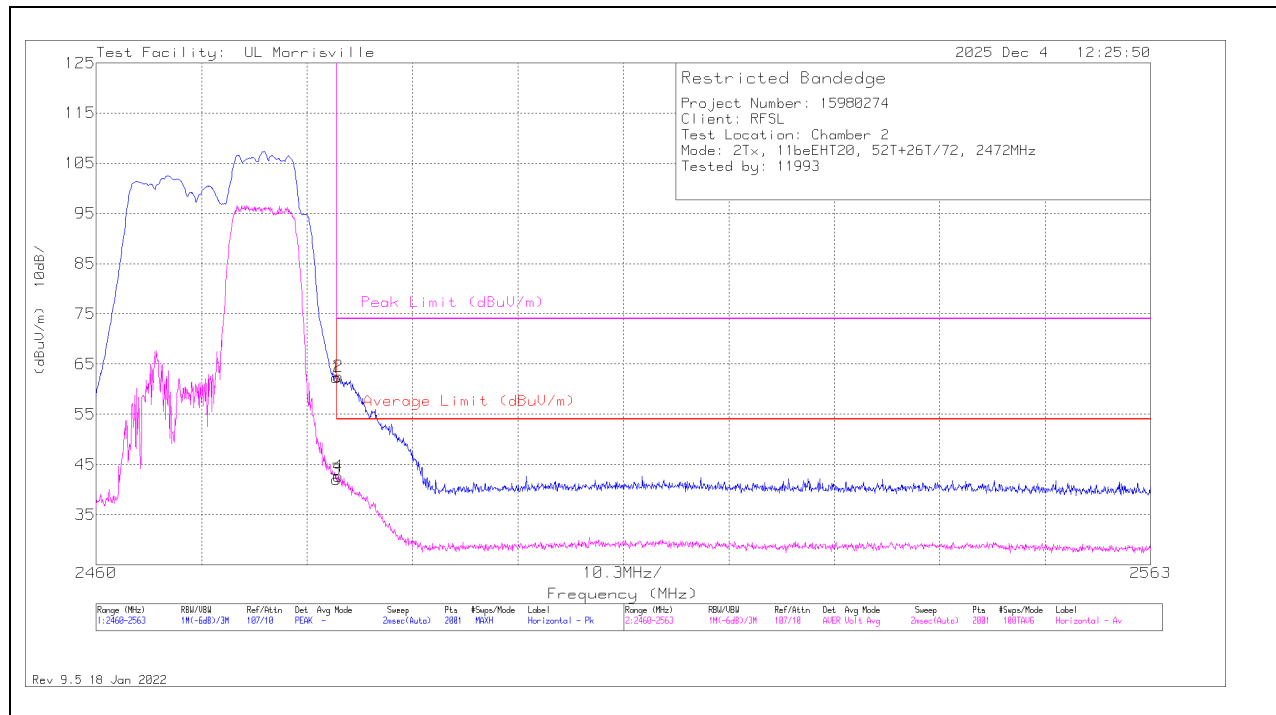
11.1.11. TX ABOVE 1 GHz 802.11be EHT20 52T+26T/72 MODE IN THE 2.4 GHz BAND

MIMO

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

Note – For testing purposes, Channel 13 was tested at 2462 MHz power settings as a worst-case test scenario.



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	*** 2483.5	55.07	Pk	32.7	-25.5	62.27	-	-	74	-11.73	67	127	H
2	*** 2483.639	55.31	Pk	32.7	-25.5	62.51	-	-	74	-11.49	67	127	H
3	*** 2483.5	34.86	ADV	32.7	-25.5	42.06	54	-11.94	-	-	67	126	H
4	*** 2483.639	35.44	ADV	32.7	-25.5	42.64	54	-11.36	-	-	67	126	H

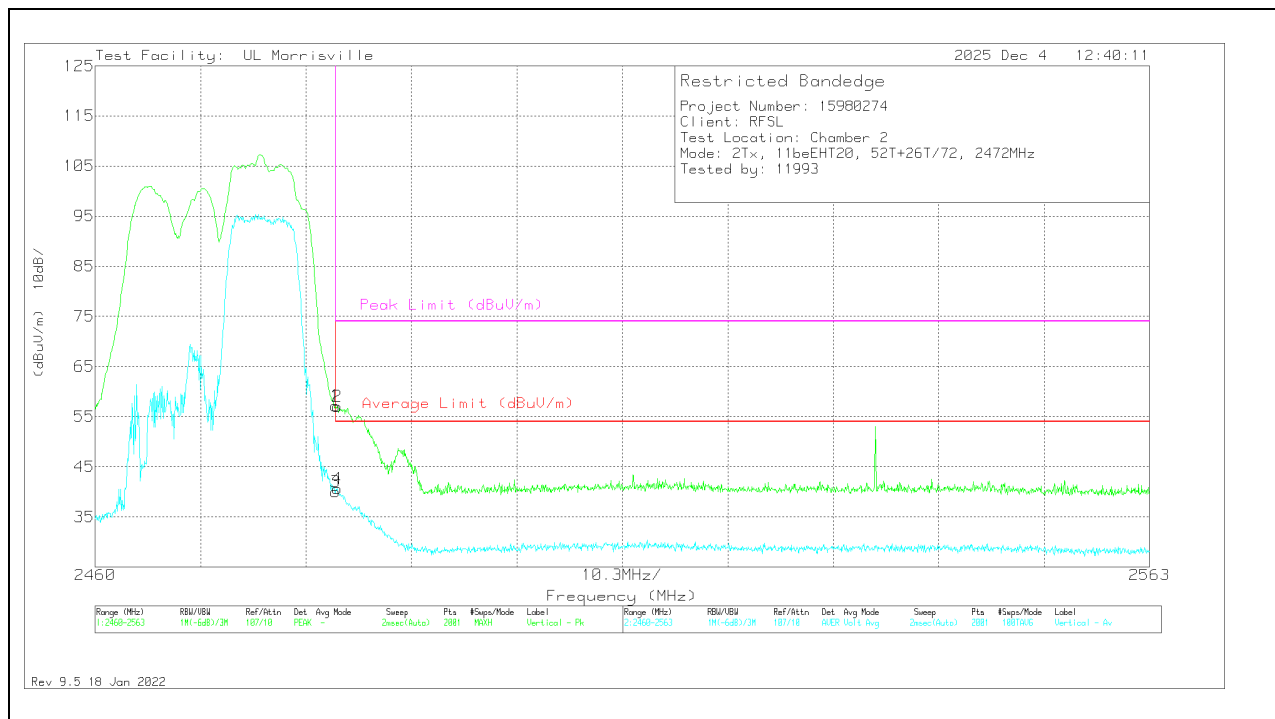
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	*** 2483.5	49.96	Pk	32.7	-25.5	57.16	-	-	74	-16.84	66	284	V
2	** * 2483.639	49.85	Pk	32.7	-25.5	57.05	-	-	74	-16.95	66	284	V
3	*** 2483.5	32.78	ADV	32.7	-25.5	39.98	54	-14.02	-	-	66	284	V
4	** * 2483.639	33.44	ADV	32.7	-25.5	40.64	54	-13.36	-	-	66	284	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

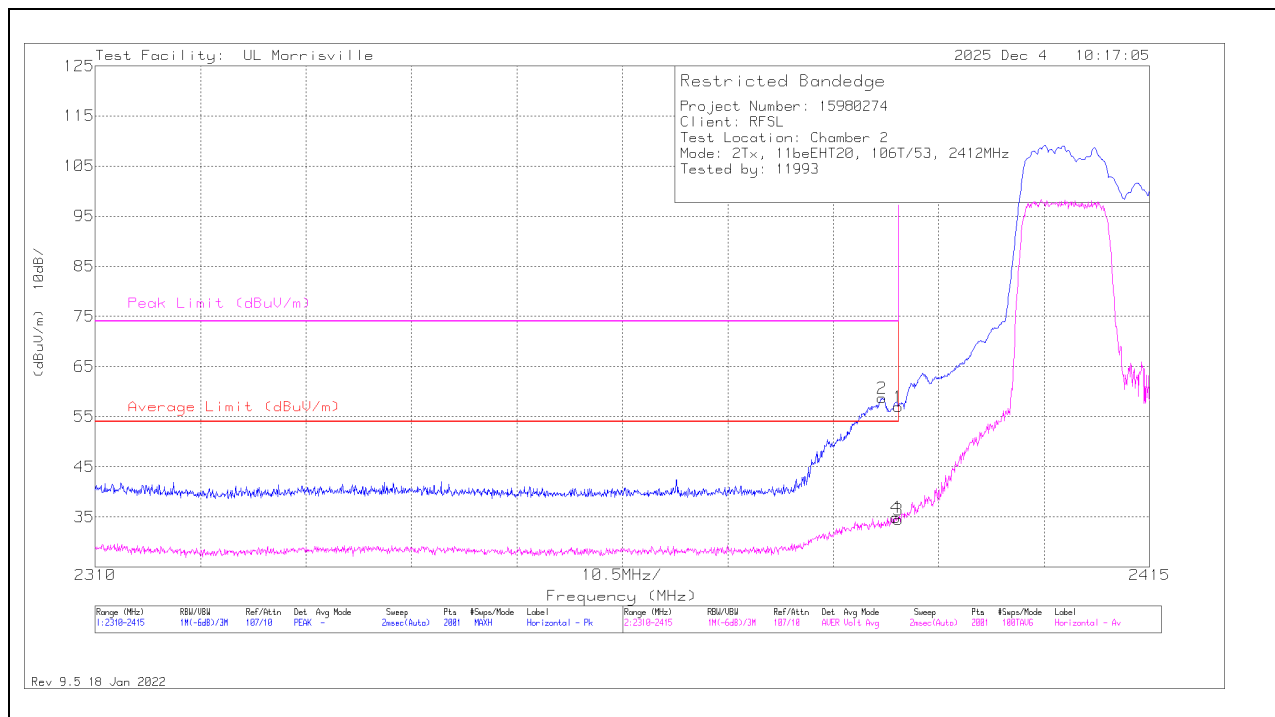
ADV - Linear Voltage Average

11.1.12. TX ABOVE 1 GHz 802.11be EHT20 106T/53 MODE IN THE 2.4 GHz BAND

MIMO

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	*** 2390	49.87	Pk	32.2	-25.1	56.97	-	-	74	-17.03	73	117	H
2	*** 2388.383	51.52	Pk	32.2	-25	58.72	-	-	74	-15.28	73	117	H
3	*** 2390	27.34	ADV	32.2	-25.1	34.44	54	-19.56	-	-	73	117	H
4	*** 2389.748	27.7	ADV	32.2	-25	34.9	54	-19.1	-	-	73	117	H

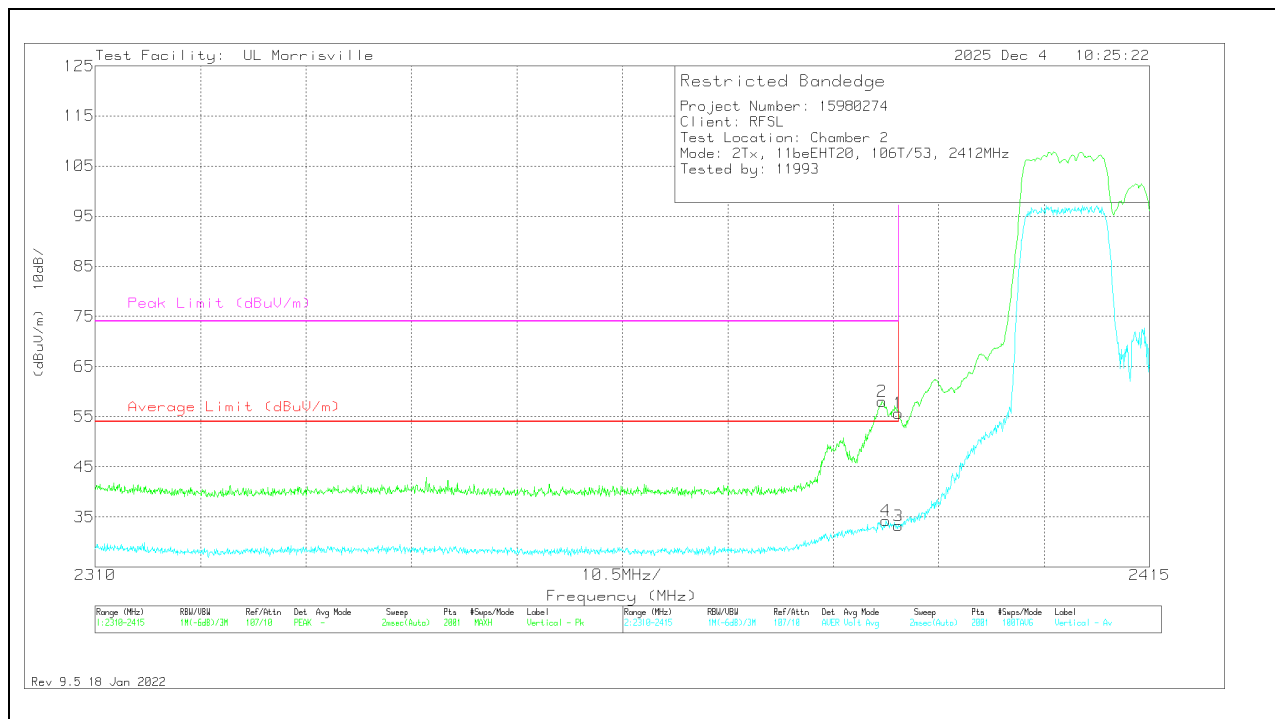
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	* ** 2390	48.54	Pk	32.2	-25.1	55.64	-	-	74	-18.36	356	149	V
2	* ** 2388.383	50.82	Pk	32.2	-25	58.02	-	-	74	-15.98	356	149	V
3	* ** 2390	26.09	ADV	32.2	-25.1	33.19	54	-20.81	-	-	356	148	V
4	* ** 2388.75	27.09	ADV	32.2	-25	34.29	54	-19.71	-	-	356	148	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

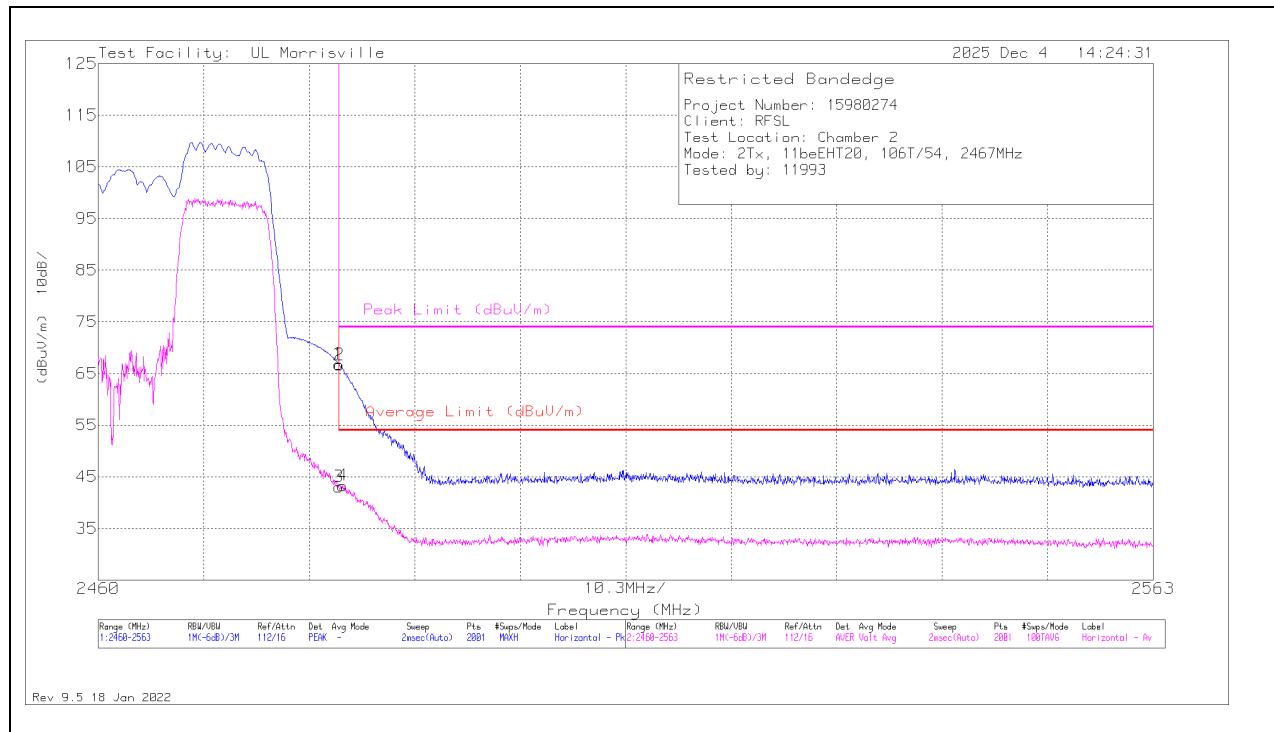
11.1.13. TX ABOVE 1 GHz 802.11be EHT20 106T/54 MODE IN THE 2.4 GHz BAND

MIMO

BANDEDGE (HIGH CHANNEL, Ch. 12)

HORIZONTAL RESULT

Note – For testing purposes, Channel 12 was tested at 2462 MHz power settings as a worst-case test scenario.



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	* ** 2483.5	59.62	Pk	32.7	-25.5	66.82	-	-	74	-7.18	74	110	H
2	* ** 2483.536	59.46	Pk	32.7	-25.5	66.66	-	-	74	-7.34	74	110	H
3	* ** 2483.5	35.87	ADV	32.7	-25.5	43.07	54	-10.93	-	-	74	110	H
4	* ** 2483.845	36.11	ADV	32.7	-25.5	43.31	54	-10.69	-	-	74	110	H

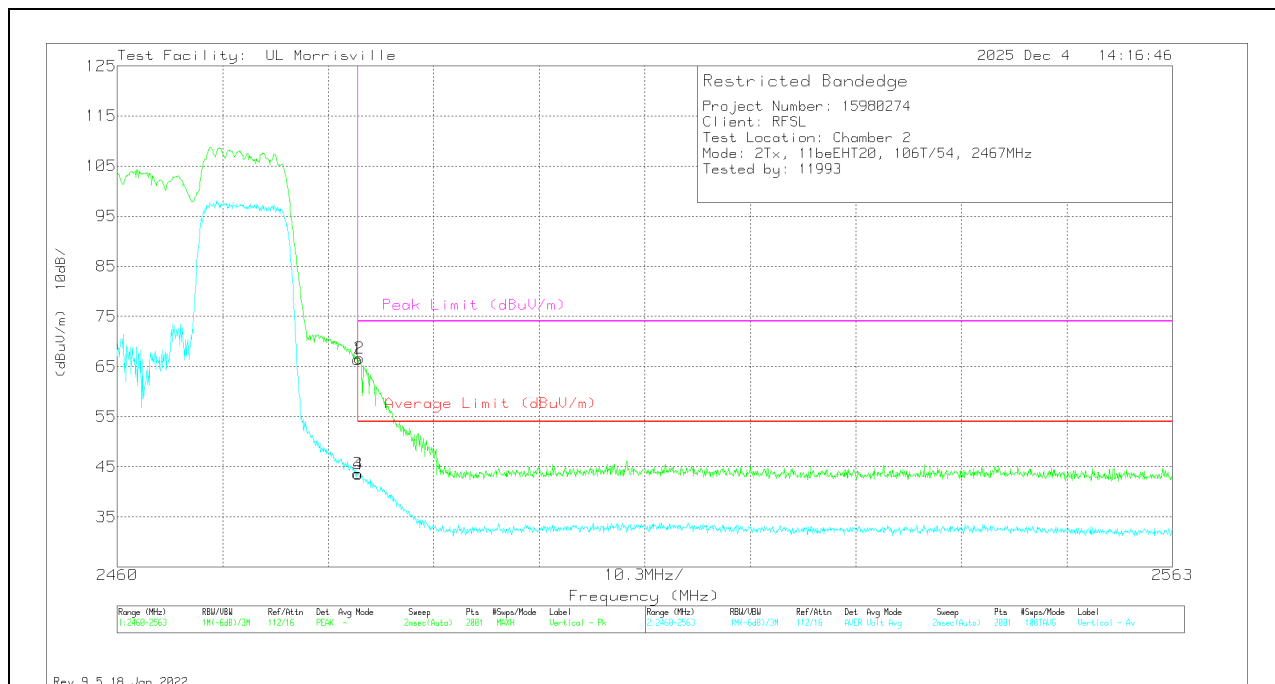
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	* ** 2483.5	59.18	Pk	32.7	-25.5	66.38	-	-	74	-7.62	117	224	V
2	* ** 2483.639	59.51	Pk	32.7	-25.5	66.71	-	-	74	-7.29	117	224	V
3	* ** 2483.5	36.4	ADV	32.7	-25.5	43.6	54	-10.4	-	-	117	224	V
4	* ** 2483.536	36.35	ADV	32.7	-25.5	43.55	54	-10.45	-	-	117	224	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

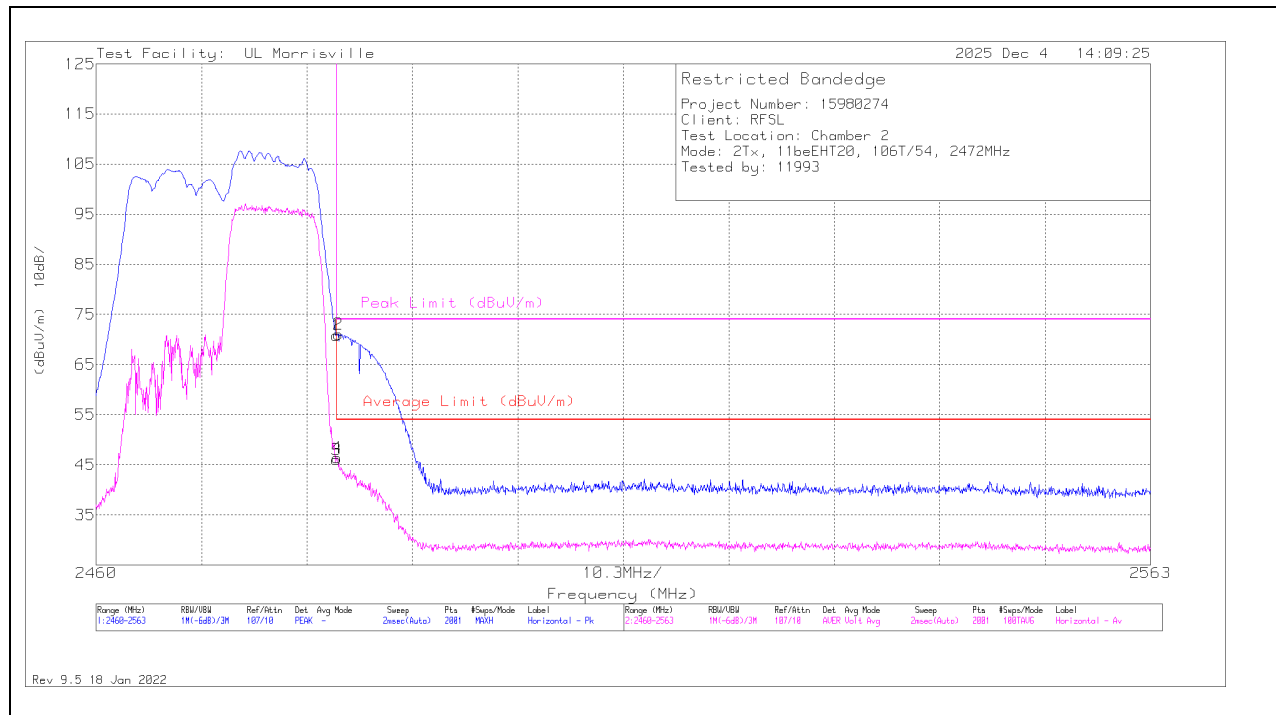
Pk - Peak detector

ADV - Linear Voltage Average

MIMO

BANDEDGE (HIGH CHANNEL, Ch. 13)

HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	* ** 2483.5	63.6	Pk	32.7	-25.5	70.8	-	-	74	-3.2	76	108	H
2	* ** 2483.639	63.85	Pk	32.7	-25.5	71.05	-	-	74	-2.95	76	108	H
3	* ** 2483.5	38.87	ADV	32.7	-25.5	46.07	54	-7.93	-	-	76	108	H
4	* ** 2483.536	39.24	ADV	32.7	-25.5	46.44	54	-7.56	-	-	76	108	H

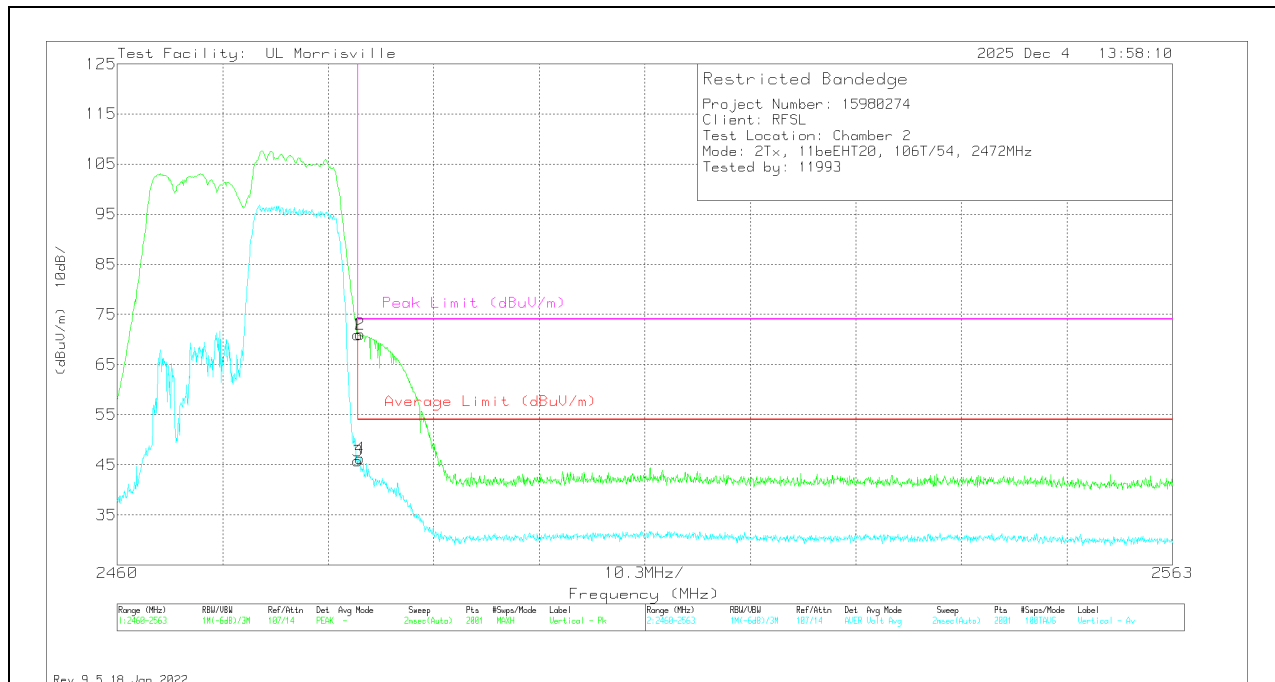
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	*** 2483.5	63.72	Pk	32.7	-25.5	70.92	-	-	74	-3.08	120	199	V
2	*** 2483.742	63.83	Pk	32.7	-25.5	71.03	-	-	74	-2.97	120	199	V
3	*** 2483.5	38.52	ADV	32.7	-25.5	45.72	54	-8.28	-	-	120	199	V
4	*** 2483.69	39.1	ADV	32.7	-25.5	46.3	54	-7.7	-	-	120	199	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

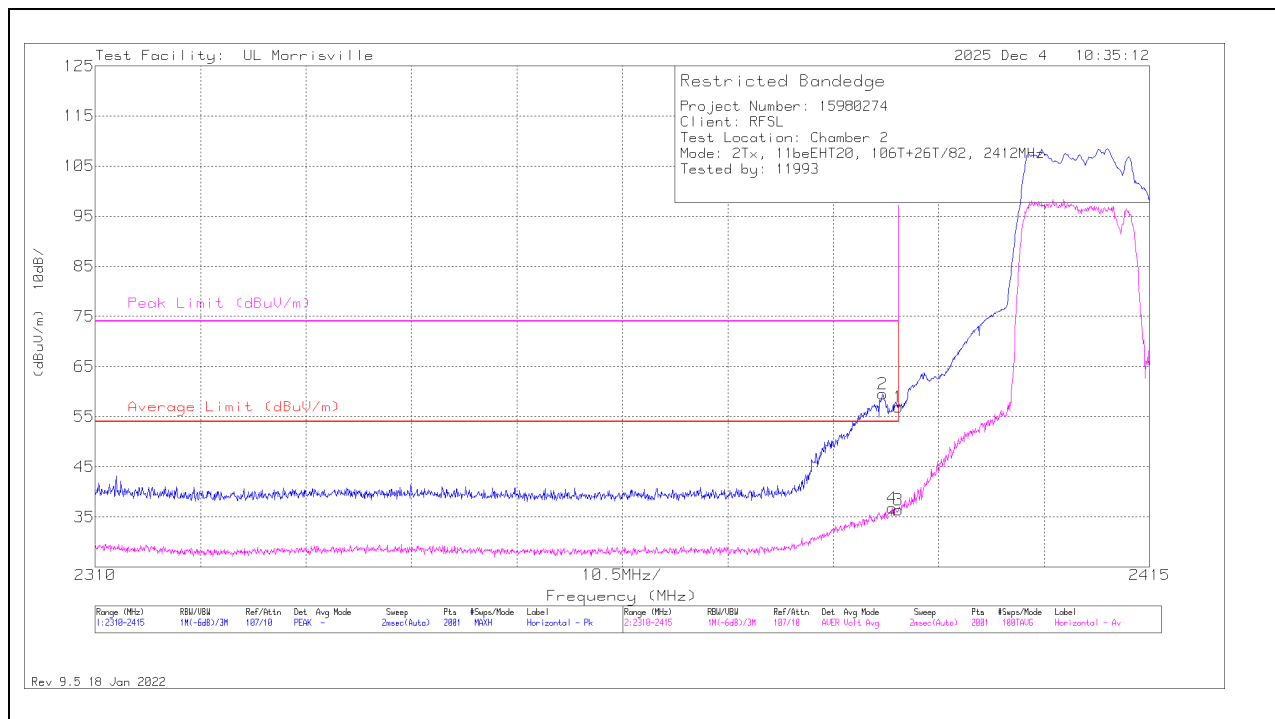
ADV - Linear Voltage Average

11.1.14. TX ABOVE 1 GHz 802.11be EHT20 106T+26T/82 MODE IN THE 2.4 GHz BAND

MIMO

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	* * * 2390	49.77	Pk	32.2	-25.1	56.87	-	-	74	-17.13	81	101	H
2	* * * 2388.435	52.33	Pk	32.2	-25	59.53	-	-	74	-14.47	81	101	H
3	* * * 2390	29.24	ADV	32.2	-25.1	36.34	54	-17.66	-	-	81	101	H
4	* * * 2389.38	29.61	ADV	32.2	-25	36.81	54	-17.19	-	-	81	101	H

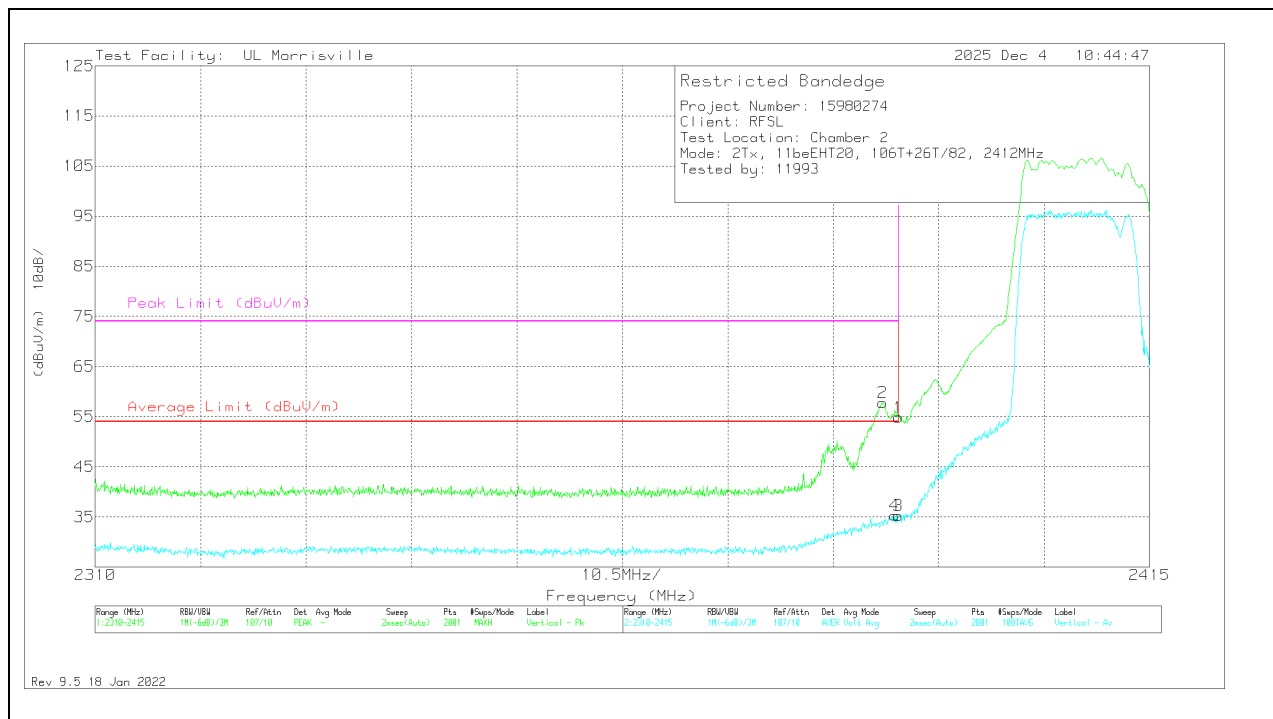
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (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	*** 2390	47.74	Pk	32.2	-25.1	54.84	-	-	74	-19.16	360	146	V
2	*** 2388.435	50.54	Pk	32.2	-25	57.74	-	-	74	-16.26	360	146	V
3	*** 2390	28.15	ADV	32.2	-25.1	35.25	54	-18.75	-	-	360	146	V
4	*** 2389.59	28.11	ADV	32.2	-25	35.31	54	-18.69	-	-	360	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

11.1.15. TX ABOVE 1 GHz 802.11be EHT20 106T+26T/83 MODE IN THE 2.4 GHz BAND

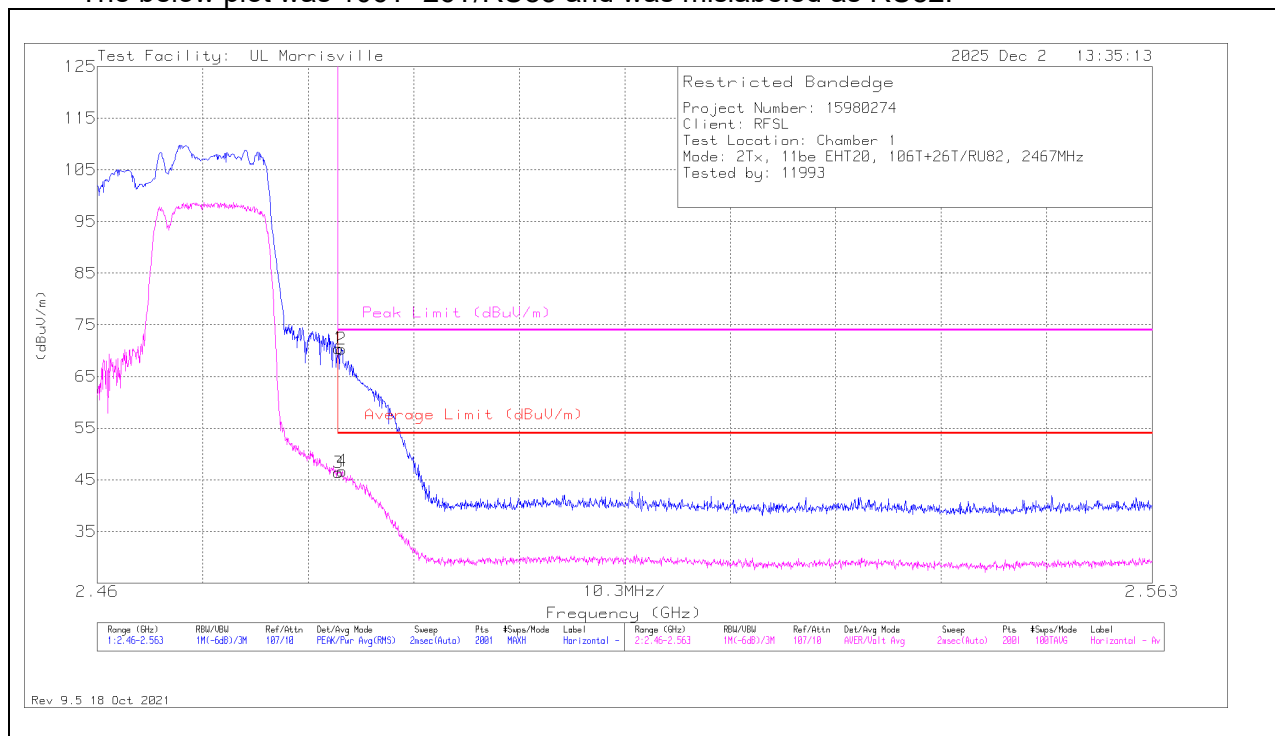
MIMO

BANDEDGE (HIGH CHANNEL, Ch. 12)

HORIZONTAL RESULT

Note –

- For test purposes, Channel 12 was tested at 2462 MHz power settings as a worst-case test scenario.
- The below plot was 106T+26T/RU83 and was mislabeled as RU82.



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	62.68	Pk	32.2	-24.4	70.48	-	-	74	-3.52	11	135	H
2	* ** 2.48384	62.5	Pk	32.2	-24.4	70.3	-	-	74	-3.7	11	135	H
3	* ** 2.48354	38.59	ADV	32.2	-24.4	46.39	54	-7.61	-	-	11	135	H
4	* ** 2.4839	38.87	ADV	32.2	-24.4	46.67	54	-7.33	-	-	11	135	H

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

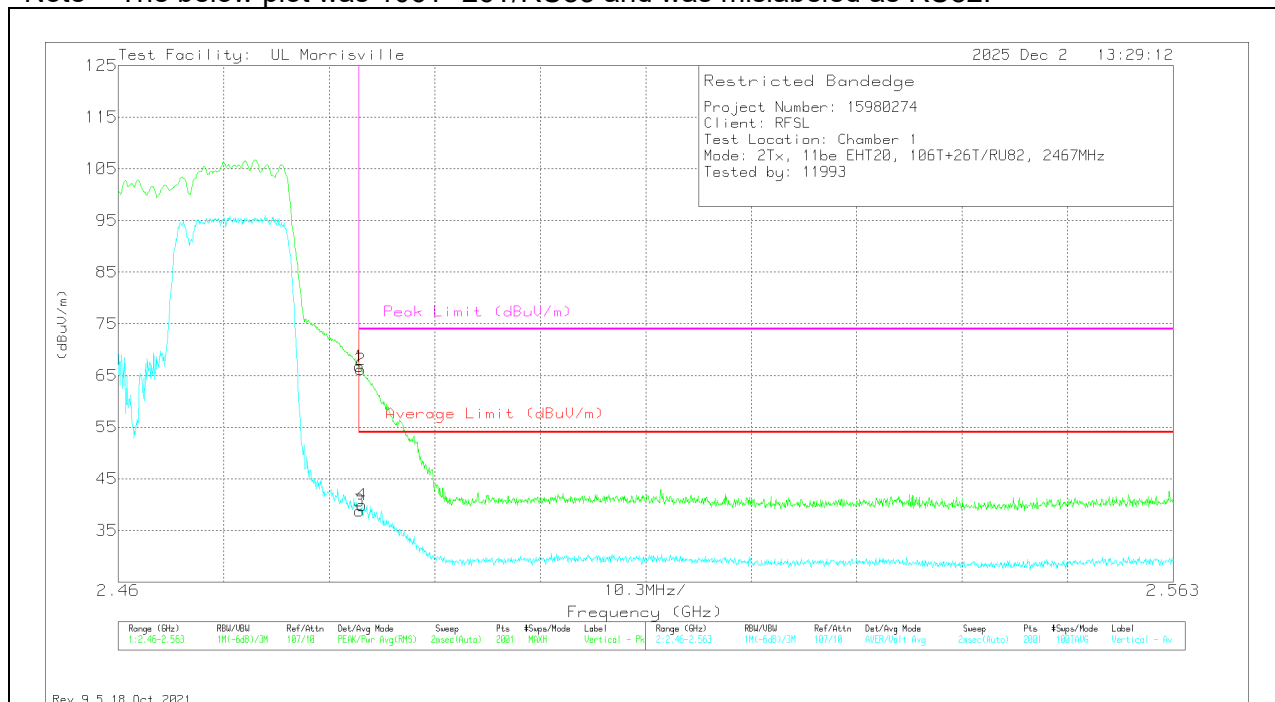
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

Note – The below plot was 106T+26T/RU83 and was mislabeled as RU82.



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	58.94	Pk	32.2	-24.4	66.74	-	-	74	-7.26	313	317	V
2	* ** 2.48369	58.34	Pk	32.2	-24.4	66.14	-	-	74	-7.86	313	317	V
3	* ** 2.48354	30.98	ADV	32.2	-24.4	38.78	54	-15.22	-	-	313	317	V
4	* ** 2.48379	32.13	ADV	32.2	-24.4	39.93	54	-14.07	-	-	313	317	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

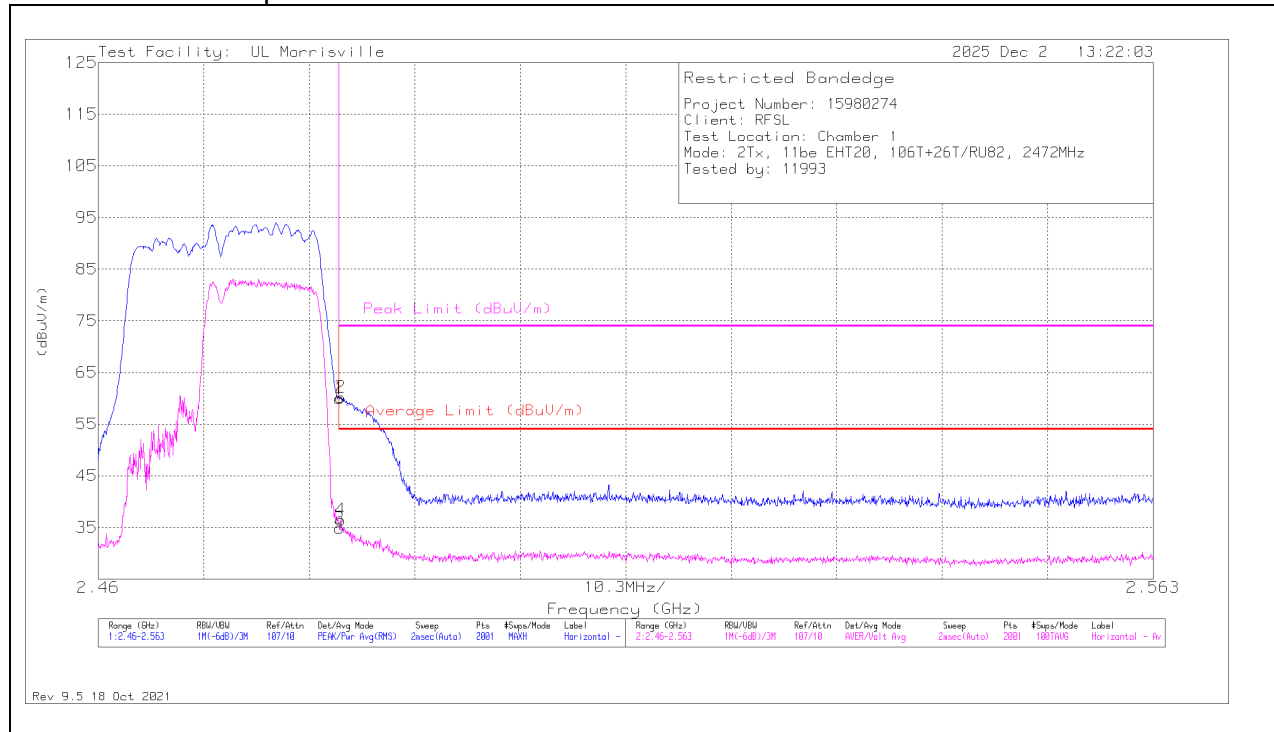
ADV - Linear Voltage Average

MIMO

BANDEDGE (HIGH CHANNEL, Ch. 13)

HORIZONTAL RESULT

Note – The below plot was 106T+26T/RU83 and was mislabeled as RU82.



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	52.17	Pk	32.2	-24.4	59.97	-	-	74	-14.03	324	136	H
2	* ** 2.48369	52.41	Pk	32.2	-24.4	60.21	-	-	74	-13.79	324	136	H
3	* ** 2.48354	27.03	ADV	32.2	-24.4	34.83	54	-19.17	-	-	324	136	H
4	* ** 2.48369	28.64	ADV	32.2	-24.4	36.44	54	-17.56	-	-	324	136	H

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

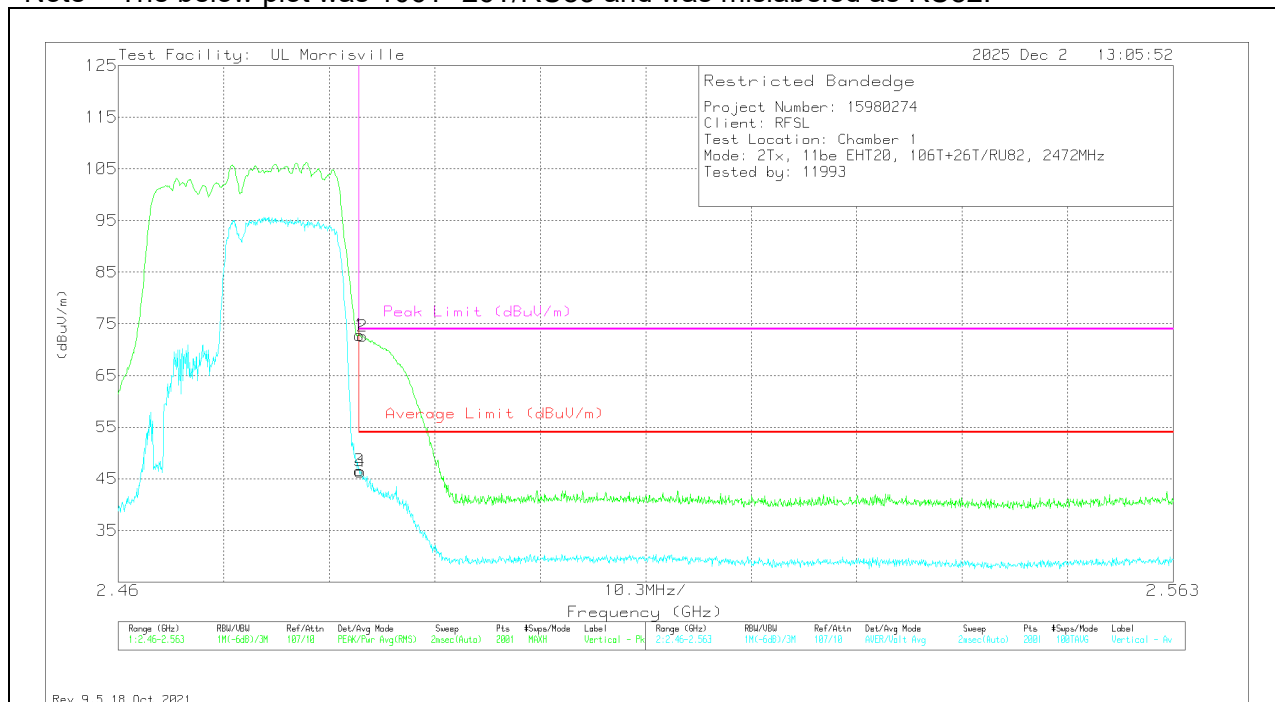
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

Note – The below plot was 106T+26T/RU83 and was mislabeled as RU82.



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	65	Pk	32.2	-24.4	72.8	-	-	74	-1.2	325	321	V
2	* ** 2.48384	64.8	Pk	32.2	-24.4	72.6	-	-	74	-1.4	325	321	V
3	* ** 2.48354	38.76	ADV	32.2	-24.4	46.56	54	-7.44	-	-	325	321	V
4	* ** 2.48364	38.58	ADV	32.2	-24.4	46.38	54	-7.62	-	-	325	321	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

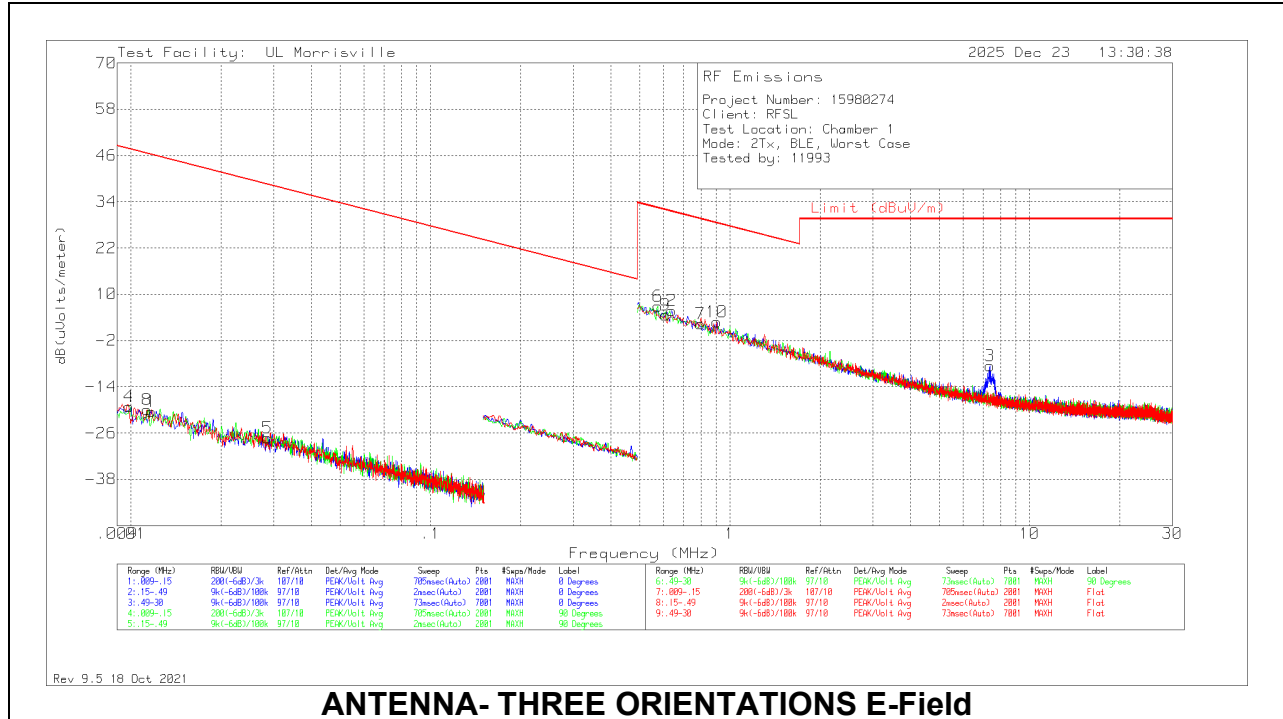
Pk - Peak detector

ADV - Linear Voltage Average

11.2. WORST CASE BELOW 30MHz BLE MIMO

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

Note – All Radiated Emissions BLE testing (bandedge and spurious) was tested at 1Mbps and 2Mbps data rates in MIMO mode at SISO power levels to represent worst-case for all modes.



Below 30MHz Data

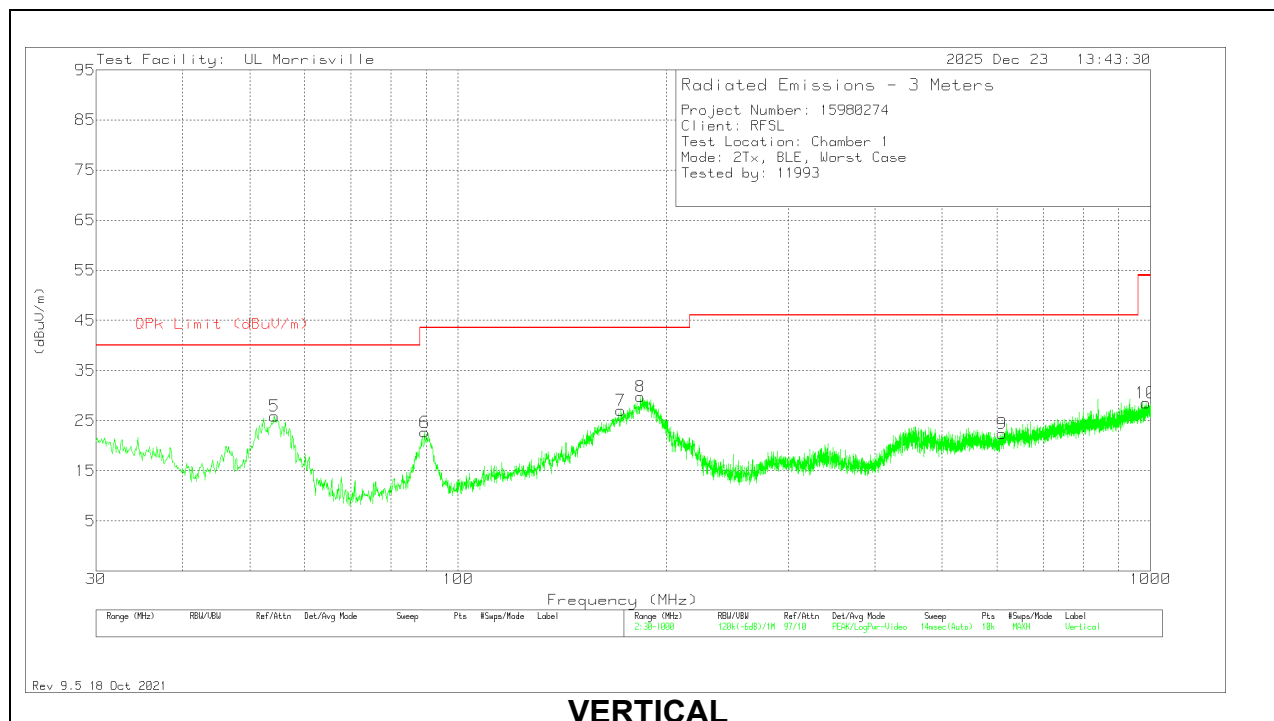
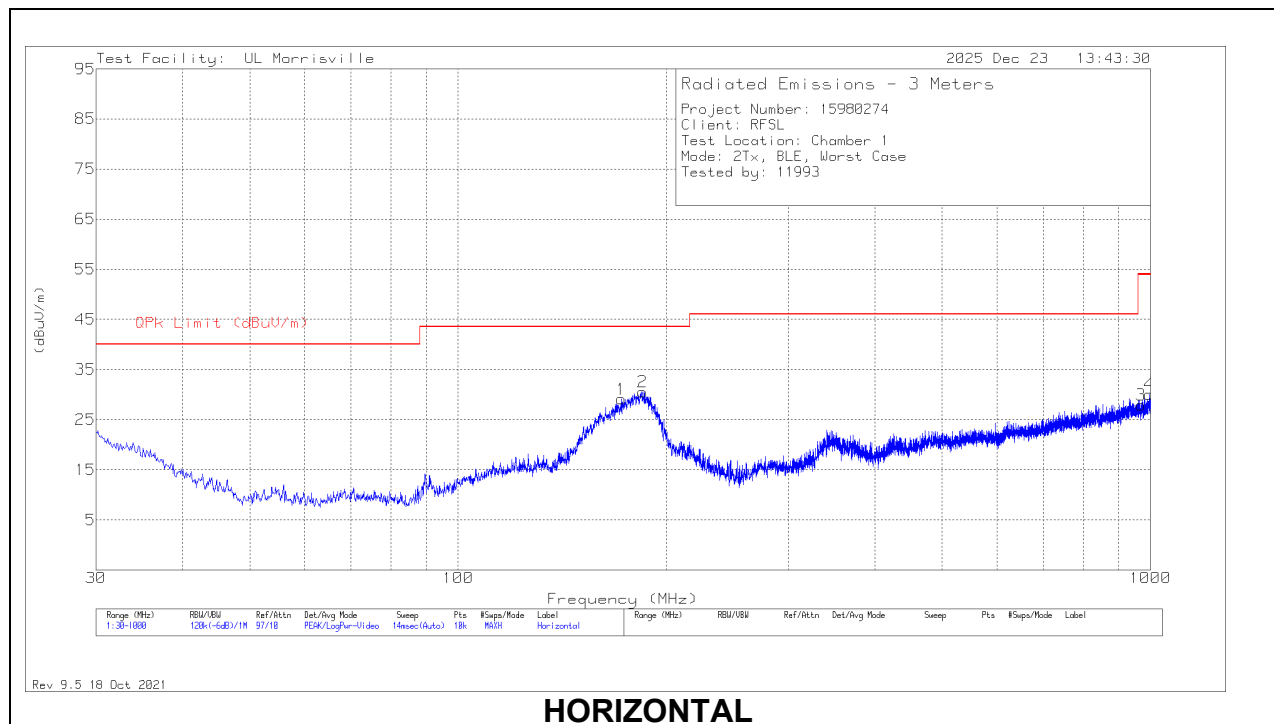
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uV/m)	Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
4	.00985	41.73	Pk	19.1	.1	-80	-19.07	47.73	-66.8	0-360	90 degs
8	.01134	41.62	Pk	18.3	.1	-80	-19.98	46.51	-66.49	0-360	Flat
1	.0117	41.38	Pk	18.1	.1	-80	-20.42	46.24	-66.66	0-360	0 degs
5	.0286	39.49	Pk	13.2	.1	-80	-27.21	38.48	-65.69	0-360	90 degs
6	.57432	35.75	Pk	11	.1	-40	6.85	32.42	-25.57	0-360	90 degs
9	.60805	33.48	Pk	11	.1	-40	4.58	31.93	-27.35	0-360	Flat
2	.63756	34.64	Pk	11	.1	-40	5.74	31.51	-25.77	0-360	0 degs
7	.79777	31.18	Pk	11	.1	-40	2.28	29.57	-27.29	0-360	90 degs
10	.90317	31.67	Pk	11	.1	-40	2.77	28.49	-25.72	0-360	Flat
3	7.3663	20.28	Pk	10.7	.4	-40	-8.62	29.54	-38.16	0-360	0 degs

Pk - Peak detector

11.3. WORST CASE BELOW 1 GHz BLE MIMO

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

Note – All Radiated Emissions BLE testing (bandedge and spurious) was tested at 1Mbps and 2Mbps data rates in MIMO mode at SISO power levels to represent worst-case for all modes.



Below 1GHz Data

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	* ** 172.008	41.5	Pk	18	-30.4	29.1	43.52	-14.42	0-360	200	H
3	* ** 969.057	24.6	Pk	29	-25.7	27.9	53.97	-26.07	0-360	400	H
4	* ** 996.314	25.93	Pk	29.6	-25.5	30.03	53.97	-23.94	0-360	299	H
7	* ** 171.814	39.42	Pk	18	-30.4	27.02	43.52	-16.5	0-360	100	V
9	* ** 610.545	25.66	Pk	25	-28.3	22.36	46.02	-23.66	0-360	100	V
10	* ** 986.226	24.44	Pk	29.4	-25.3	28.54	53.97	-25.43	0-360	100	V
5	54.25	43.68	Pk	13.5	-31.3	25.88	-	-	0-360	100	V
6	89.461	39.41	Pk	13.9	-30.6	22.71	-	-	0-360	100	V
8	183.357	42.18	Pk	17.4	-29.8	29.78	-	-	0-360	100	V
2	184.715	43.15	Pk	17.5	-30.1	30.55	-	-	0-360	200	H

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

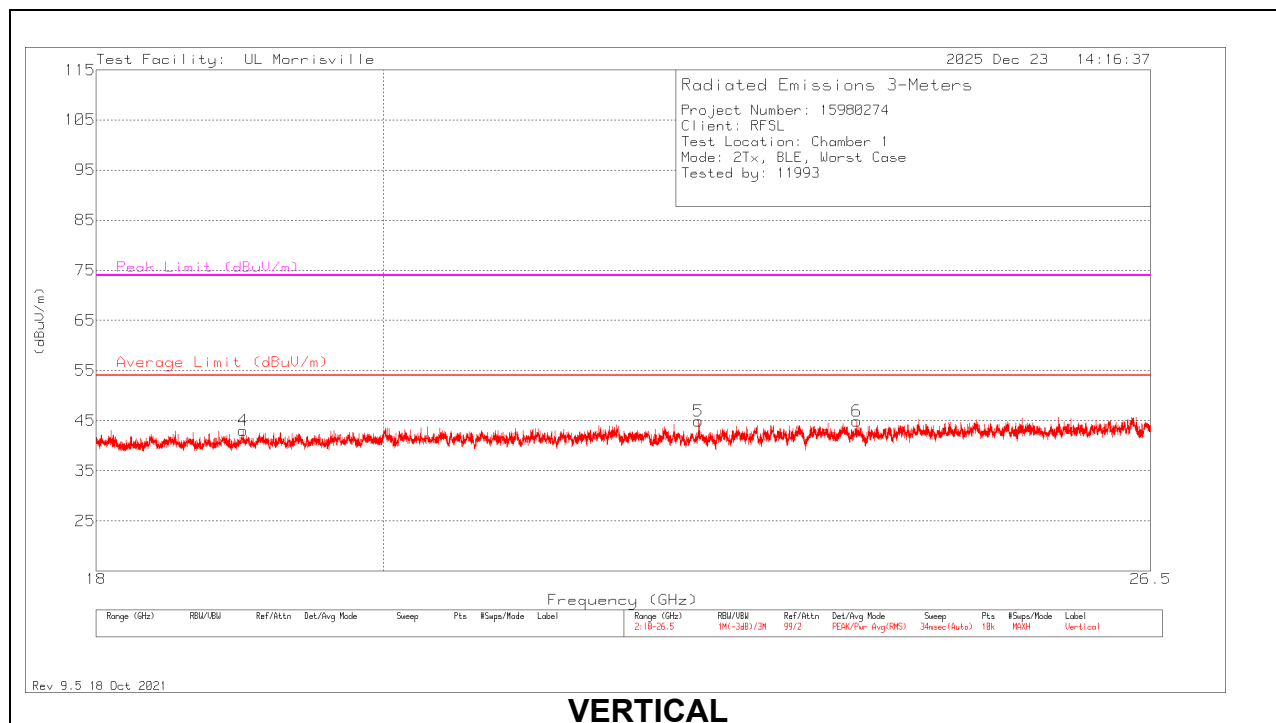
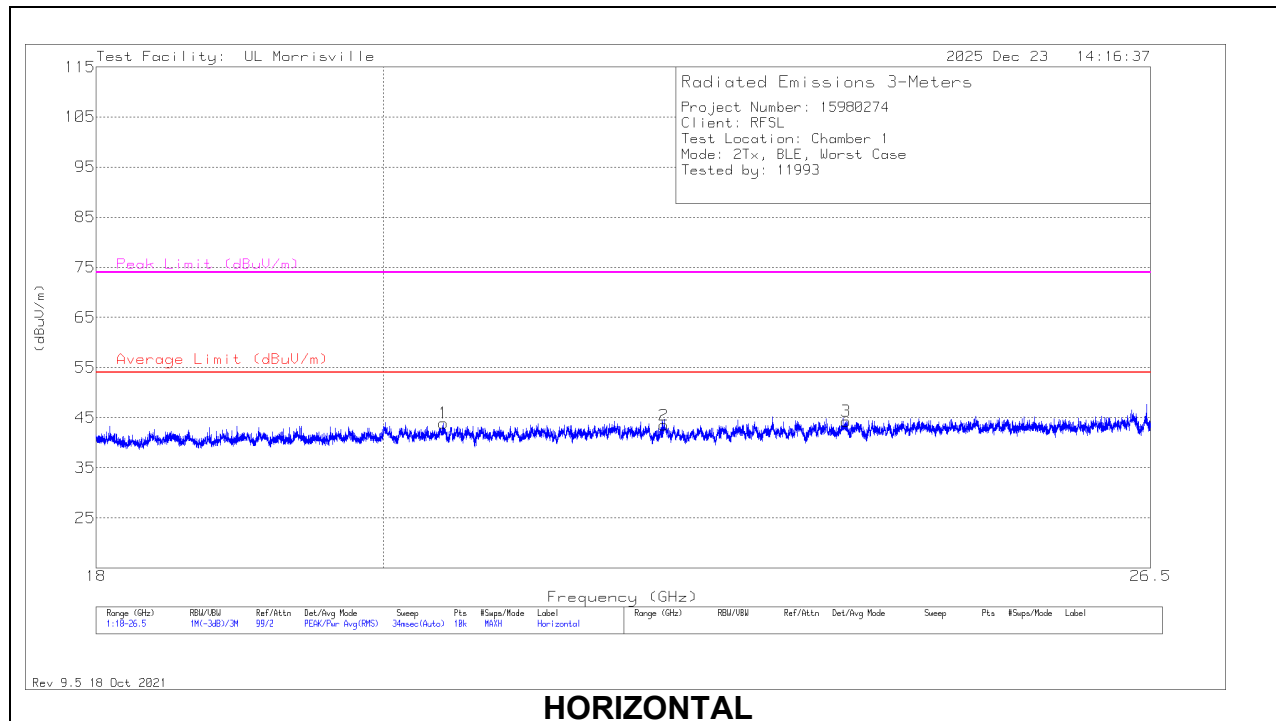
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11.4. WORST CASE 18-26 GHz BLE MIMO

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

Note – All Radiated Emissions BLE testing (bandedge and spurious) was tested at 1Mbps and 2Mbps data rates in MIMO mode at SISO power levels to represent worst-case for all modes.



18 – 26GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91186 (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	* ** 20.44739	50.08	Pk	32.8	-39	43.88	54	-10.12	74	-30.12	0-360	299	H
2	* ** 22.16712	49.68	Pk	33.4	-39.6	43.48	54	-10.52	74	-30.52	0-360	101	H
3	* ** 23.70152	49.66	Pk	33.9	-39.3	44.26	54	-9.74	74	-29.74	0-360	101	H
4	* ** 18.99715	50.11	Pk	32.4	-39.5	43.01	54	-10.99	74	-30.99	0-360	300	V
5	* ** 22.44934	50.92	Pk	33.3	-39.3	44.92	54	-9.08	74	-29.08	0-360	201	V
6	* ** 23.79418	50.31	Pk	34	-39.4	44.91	54	-9.09	74	-29.09	0-360	101	V

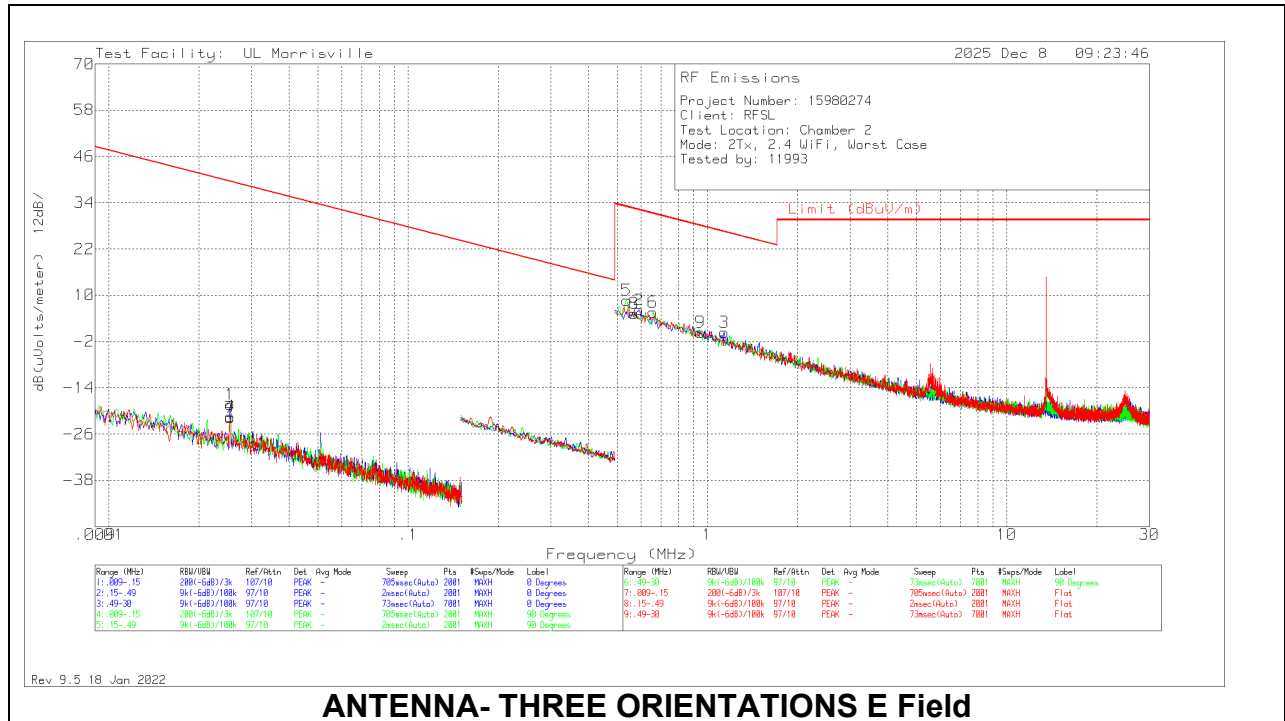
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11.5. WORST CASE BELOW 30MHz WLAN MIMO

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



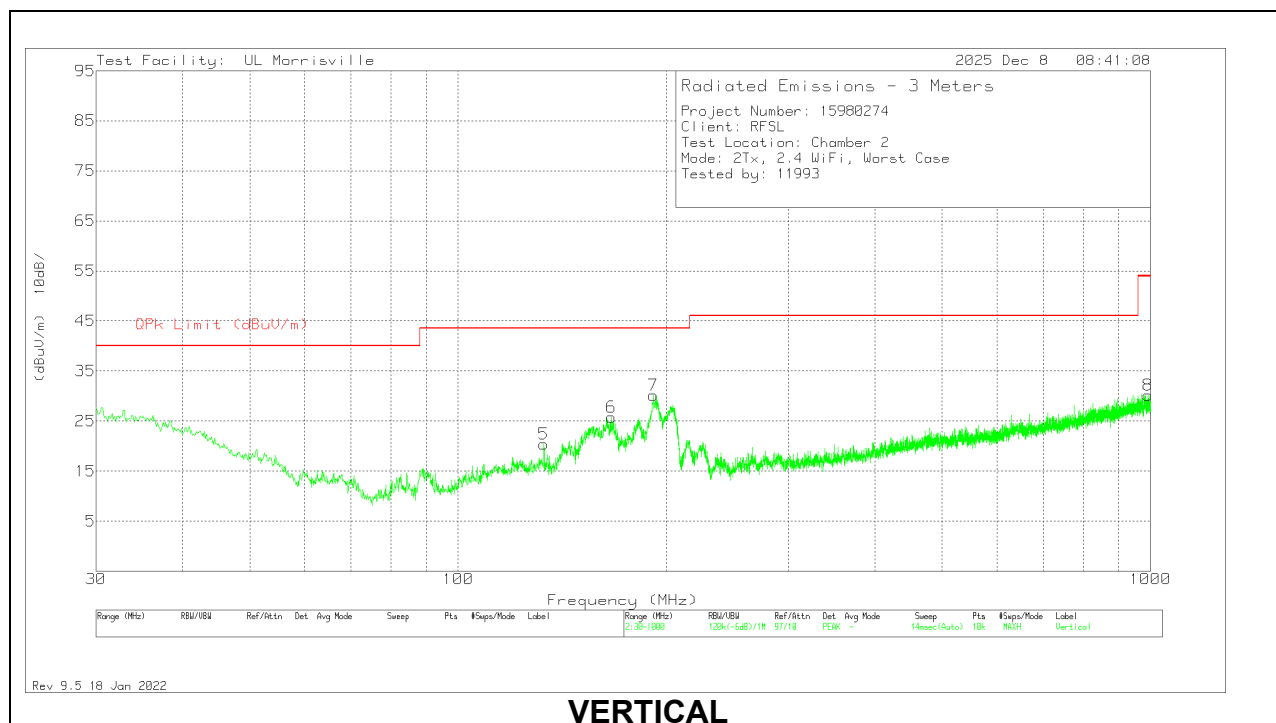
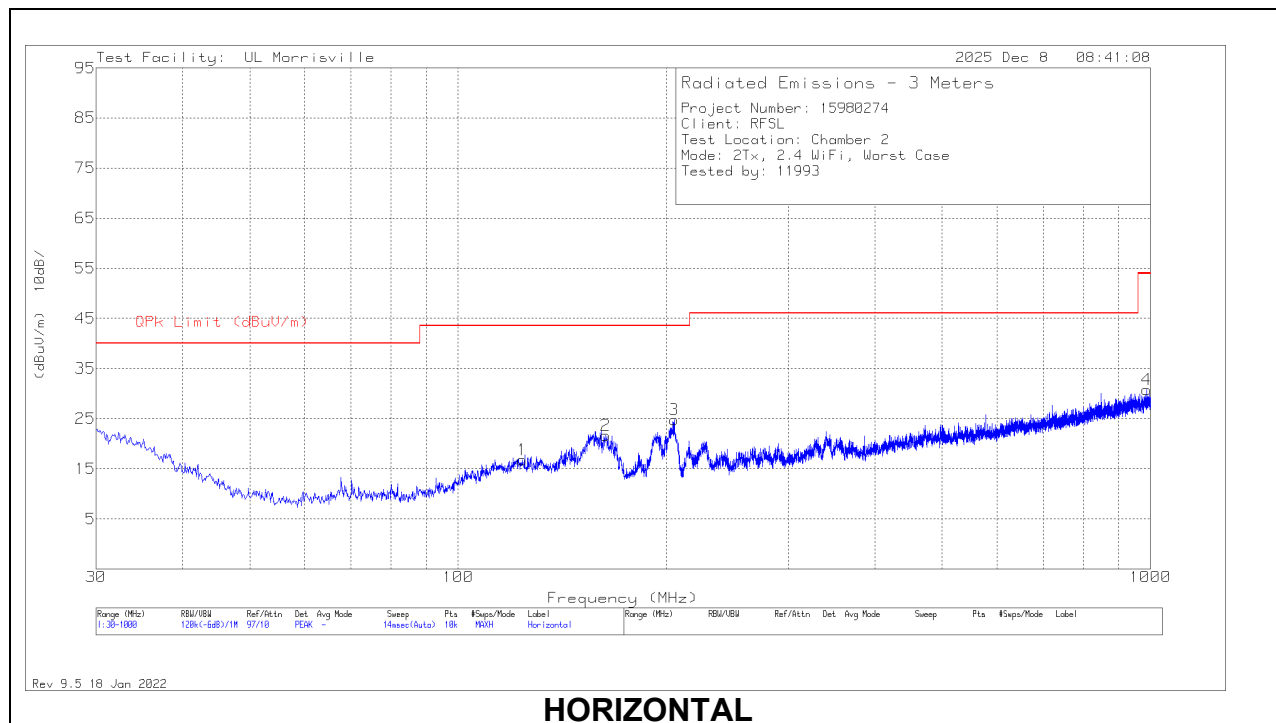
Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.0254	48.04	Pk	13.5	.1	-80	-18.36	39.51	-57.87	0-360	0 degs
7	.0254	44.61	Pk	13.5	.1	-80	-21.79	39.51	-61.3	0-360	Flat
4	.0255	45.02	Pk	13.5	.1	-80	-21.38	39.48	-60.86	0-360	90 degs
5	.5364	37.59	Pk	11	.1	-40	8.69	33.01	-24.32	0-360	90 degs
8	.5701	34.17	Pk	11	.1	-40	5.27	32.48	-27.21	0-360	Flat
2	.5912	35.07	Pk	11	.1	-40	6.17	32.17	-26	0-360	0 degs
6	.6586	34.45	Pk	11	.1	-40	5.55	31.23	-25.68	0-360	90 degs
9	.9495	29.26	Pk	11	.1	-40	.36	28.05	-27.69	0-360	Flat
3	1.1393	29.17	Pk	11	.2	-40	.37	26.47	-26.1	0-360	0 degs

Pk - Peak detector

11.6. WORST CASE BELOW 1 GHz WLAN MIMO

SPURIOUS EMISSIONS 30 TO 1000 MHz (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	* ** 123.896	26.93	Pk	20.3	-30.5	16.73	43.52	-26.79	0-360	199	H
2	* ** 163.375	32.86	Pk	18.6	-29.8	21.66	43.52	-21.86	0-360	199	H
4	* ** 987.002	26.12	Pk	29.9	-25.2	30.82	53.97	-23.15	0-360	199	H
5	* ** 133.014	31.12	Pk	20	-30.7	20.42	43.52	-23.1	0-360	101	V
6	* ** 166.382	37.43	Pk	18.4	-30	25.83	43.52	-17.69	0-360	101	V
8	* ** 991.173	25.52	Pk	29.9	-25.3	30.12	53.97	-23.85	0-360	199	V
7	191.408	41.69	Pk	17.9	-29.4	30.19	-	-	0-360	101	V
-	205.182	37.09	Pk	17.4	-29.7	24.79	-	-	0-360	99	H

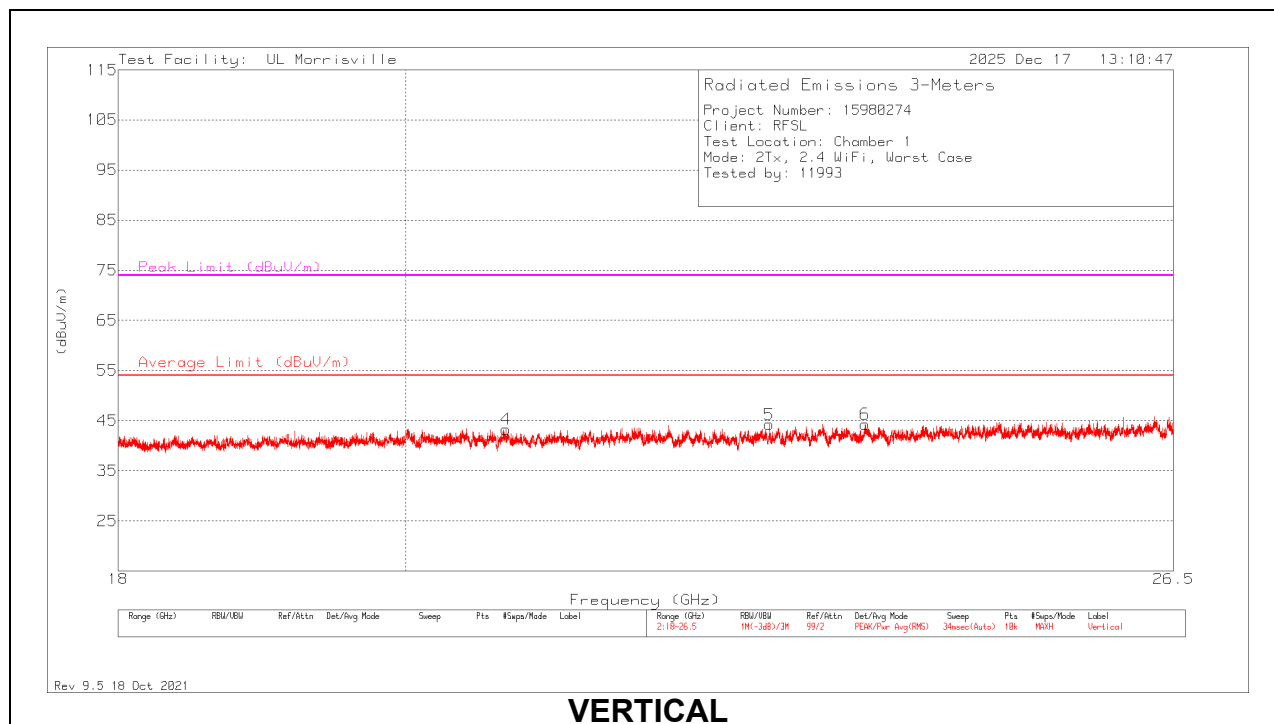
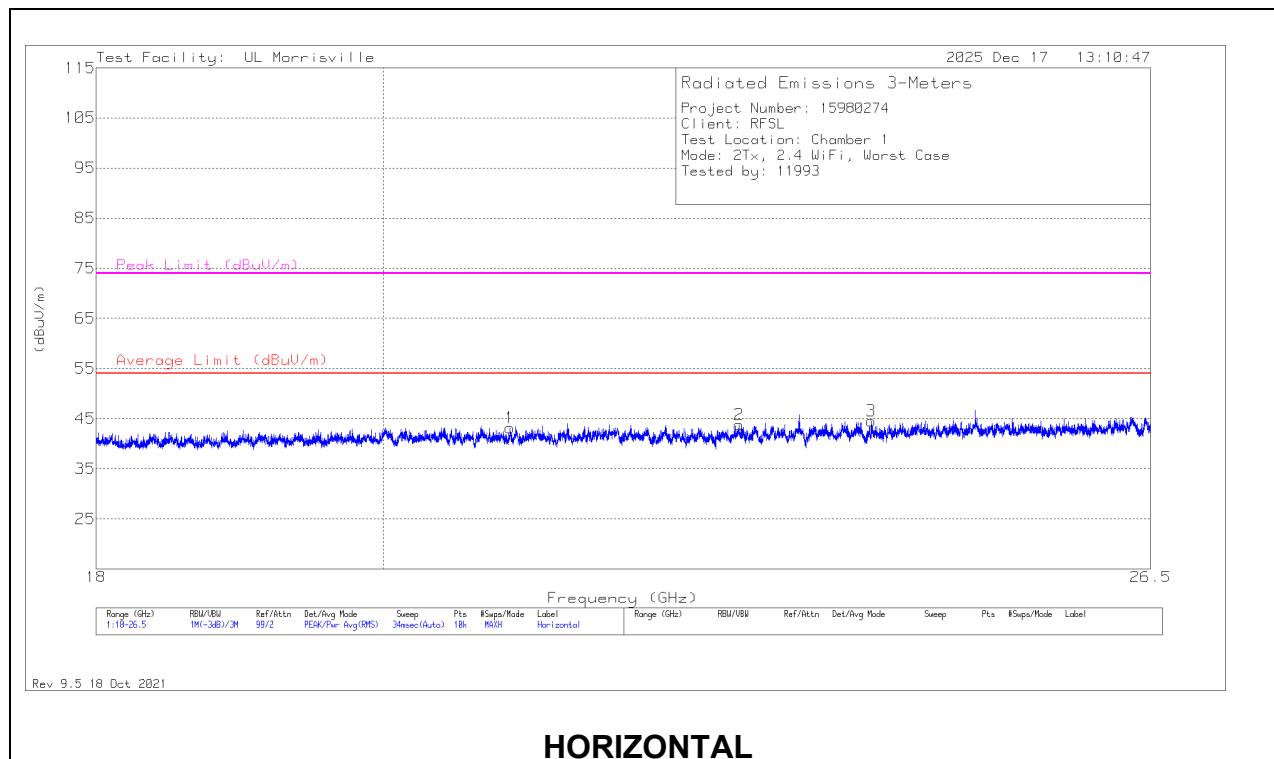
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11.7. WORST CASE 18-26 GHz WLAN MIMO

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



18 – 26GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91186 (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	* ** 20.9498	49.97	Pk	32.8	-39.6	43.17	54	-10.83	74	-30.83	0-360	101	H
2	* ** 22.78853	49.69	Pk	33.4	-39.3	43.79	54	-10.21	74	-30.21	0-360	300	H
3	* ** 23.91914	50.31	Pk	33.7	-39.5	44.51	54	-9.49	74	-29.49	0-360	250	H
4	* ** 20.75088	50.31	Pk	32.7	-39.7	43.31	54	-10.69	74	-30.69	0-360	250	V
5	* ** 22.85229	49.62	Pk	33.5	-38.9	44.22	54	-9.78	74	-29.78	0-360	300	V
6	* ** 23.66582	49.34	Pk	33.8	-38.9	44.24	54	-9.76	74	-29.76	0-360	151	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
RSS-Gen 8.8

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.

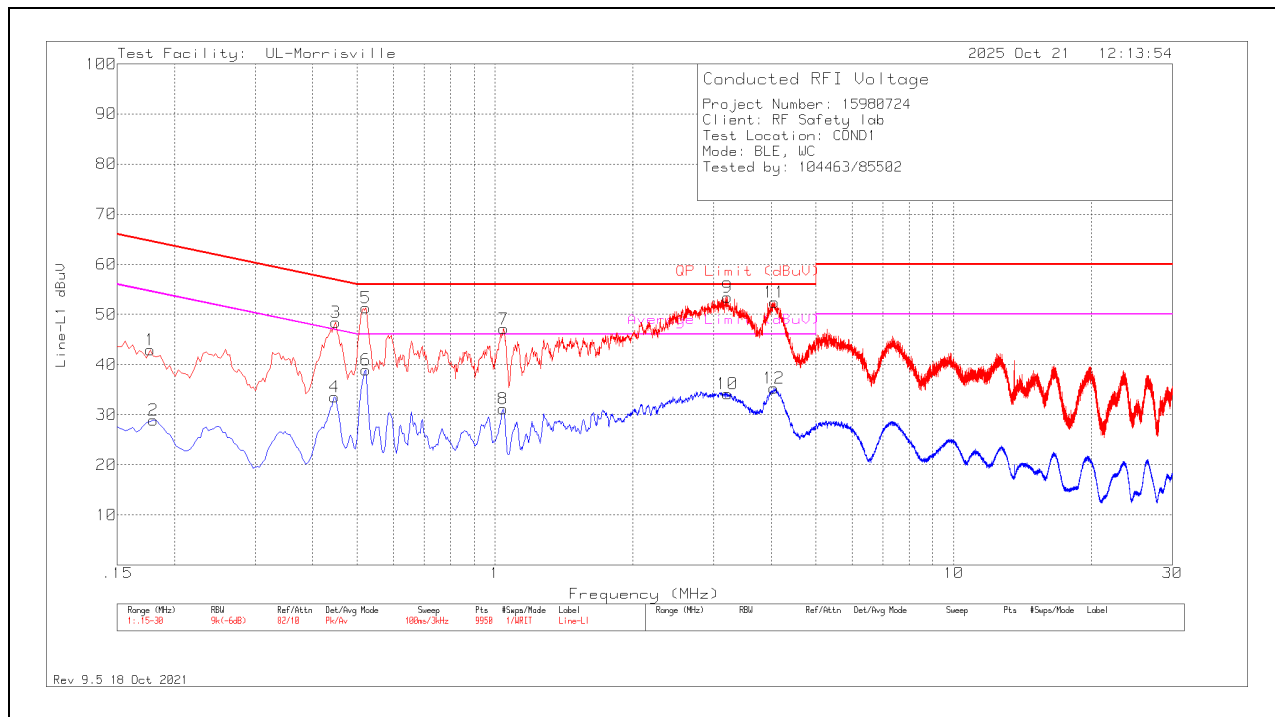
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

RESULTS

12.1.1. AC Power Line BLE C0

LINE 1 RESULTS

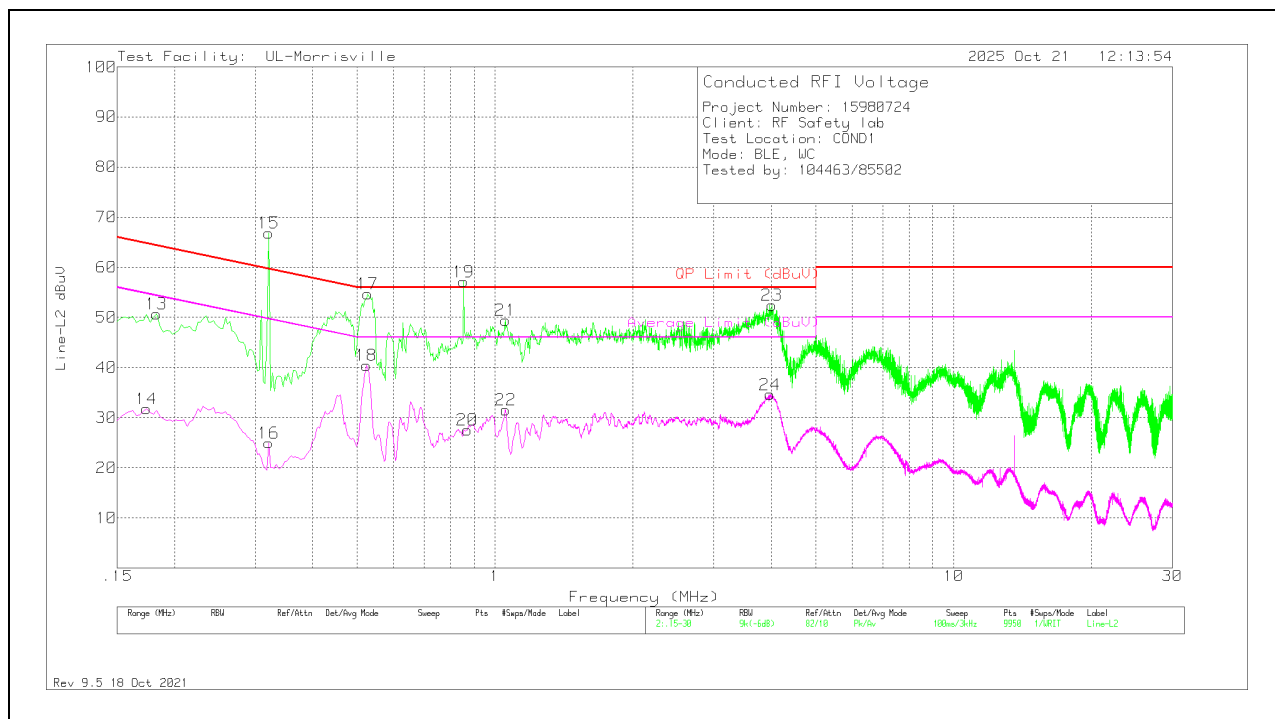


Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.177	33.07	Pk	.2	9.7	42.97	64.63	-21.66	-	-
2	.18	19.03	Av	.2	9.7	28.93	-	-	54.49	-25.56
4	.447	23.85	Av	0	9.7	33.55	-	-	46.93	-13.38
3	.45	38.71	Pk	0	9.7	48.41	56.88	-8.47	-	-
5	.53615	37.22	Qp	0	9.7	46.92	56	-9.08	-	-
6	.522	29.24	Av	0	9.7	38.94	-	-	46	-7.06
8	1.041	21.43	Av	0	9.7	31.13	-	-	46	-14.87
7	1.044	37.42	Pk	0	9.7	47.12	56	-8.88	-	-
9	3.19236	26.95	Qp	0	9.7	36.65	56	-19.35	-	-
10	3.21	24.45	Av	0	9.7	34.15	-	-	46	-11.85
12	4.056	25.57	Av	0	9.7	35.27	-	-	46	-10.73
11	4.07784	31.89	Qp	0	9.7	41.59	56	-14.41	-	-

Pk - Peak detector

Av - Average detection

LINE 2 RESULTS



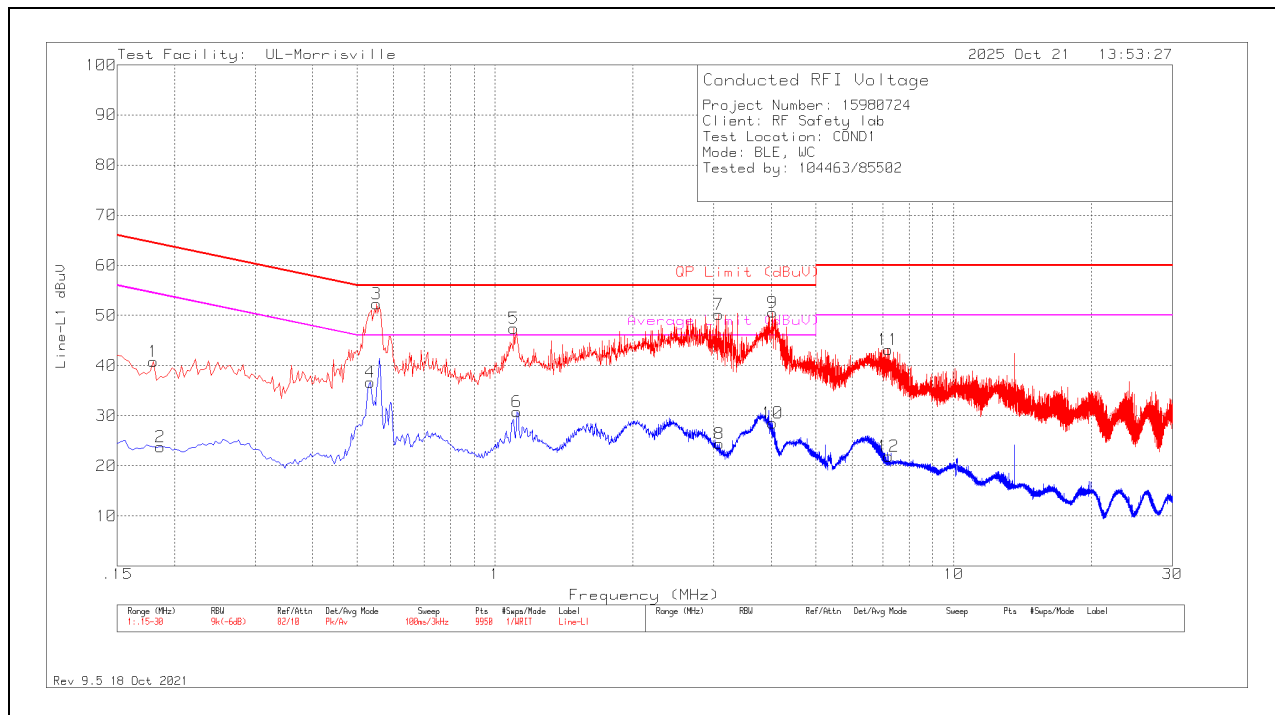
Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
14	.174	21.83	Av	.2	9.7	31.73	-	-	54.77	-23.04
13	.183	40.75	Pk	.2	9.7	50.65	64.35	-13.7	-	-
15	.30509	27.21	Qp	.1	9.7	37.01	60.1	-23.09	-	-
16	.321	15.16	Av	.1	9.7	24.96	-	-	49.68	-24.72
18	.54492	21.43	Ca	0	9.7	31.13	-	-	46	-14.87
17	.54492	33.4	Qp	0	9.7	43.1	56	-12.9	-	-
19	.86742	23.08	Qp	0	9.7	32.78	56	-23.22	-	-
20	.87	17.85	Av	0	9.7	27.55	-	-	46	-18.45
21	1.053	39.7	Pk	0	9.7	49.4	56	-6.6	-	-
22	1.056	21.8	Av	0	9.7	31.5	-	-	46	-14.5
24	3.981	24.9	Av	0	9.7	34.6	-	-	46	-11.4
23	4.00211	27.68	Qp	0	9.7	37.38	56	-18.62	-	-

Pk - Peak detector

Av - Average detection

12.1.2. AC Power Line BLE C1

LINE 1 RESULTS

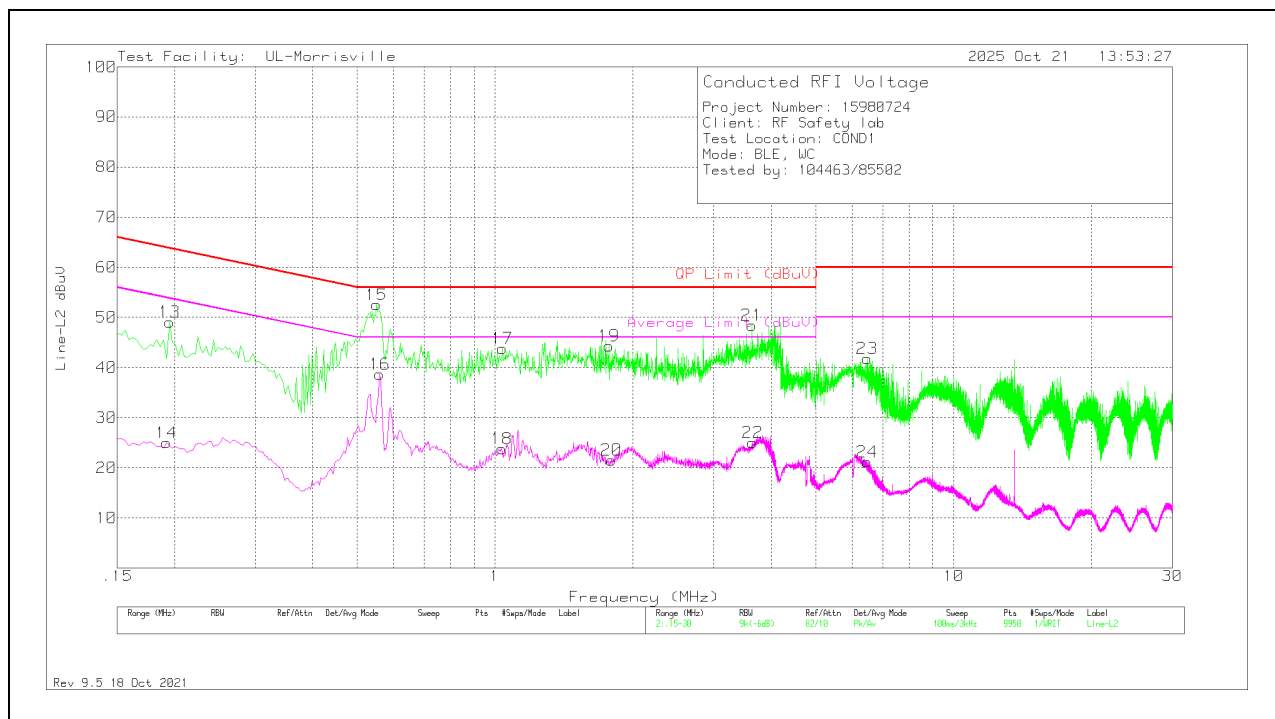


Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.18	30.85	Pk	.2	9.7	40.75	64.49	-23.74	-	-
2	.186	13.89	Av	.2	9.7	23.79	-	-	54.21	-30.42
4	.534	26.99	Av	0	9.7	36.69	-	-	46	-9.31
3	.55326	37.52	Qp	0	9.7	47.22	56	-8.78	-	-
5	1.098	37.71	Pk	0	9.7	47.41	56	-8.59	-	-
6	1.116	21.09	Av	0	9.7	30.79	-	-	46	-15.21
7	3.08452	26.49	Qp	0	9.7	36.19	56	-19.81	-	-
8	3.087	14.73	Av	0	9.7	24.43	-	-	46	-21.57
9	4.01831	30.83	Qp	0	9.7	40.53	56	-15.47	-	-
10	4.032	18.84	Av	0	9.7	28.54	-	-	46	-17.46
11	7.2	33.44	Pk	0	9.7	43.14	60	-16.86	-	-
12	7.206	12.2	Av	0	9.7	21.9	-	-	50	-28.1

Pk - Peak detector

Av - Average detection

LINE 2 RESULTS



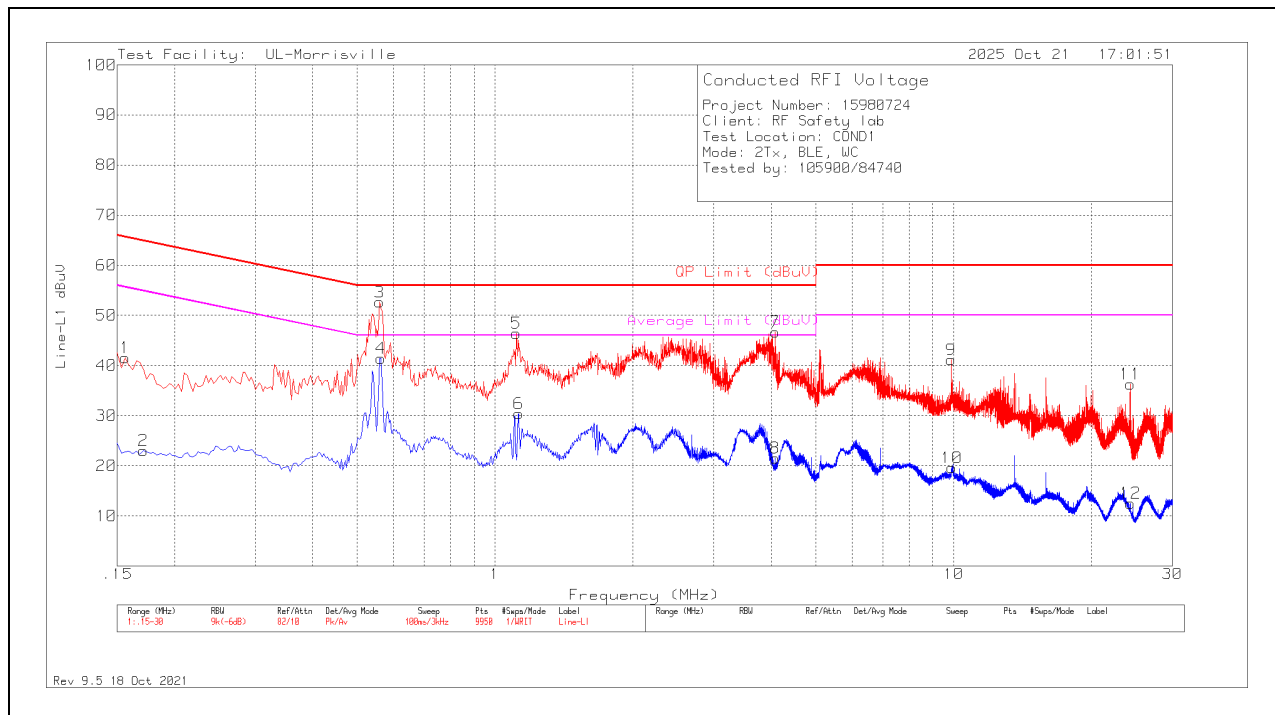
Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
14	.192	15.07	Av	.2	9.7	24.97	-	-	53.95	-28.98
13	.195	39.13	Pk	.2	9.7	49.03	63.82	-14.79	-	-
15	.55535	38.17	Qp	0	9.7	47.87	56	-8.13	-	-
16	.561	28.96	Av	0	9.7	38.66	-	-	46	-7.34
18	1.035	14.11	Av	0	9.7	23.81	-	-	46	-22.19
17	1.038	34.1	Pk	0	9.7	43.8	56	-12.2	-	-
19	1.773	34.61	Pk	0	9.7	44.31	56	-11.69	-	-
20	1.794	11.8	Av	0	9.7	21.5	-	-	46	-24.5
21	3.636	38.78	Pk	0	9.7	48.48	56	-7.52	-	-
22	3.648	15.33	Av	0	9.7	25.03	-	-	46	-20.97
23	6.471	32.15	Pk	0	9.7	41.85	60	-18.15	-	-
24	6.48	11.5	Av	0	9.7	21.2	-	-	50	-28.8

Pk - Peak detector

Av - Average detection

12.1.3. AC Power Line BLE MIMO

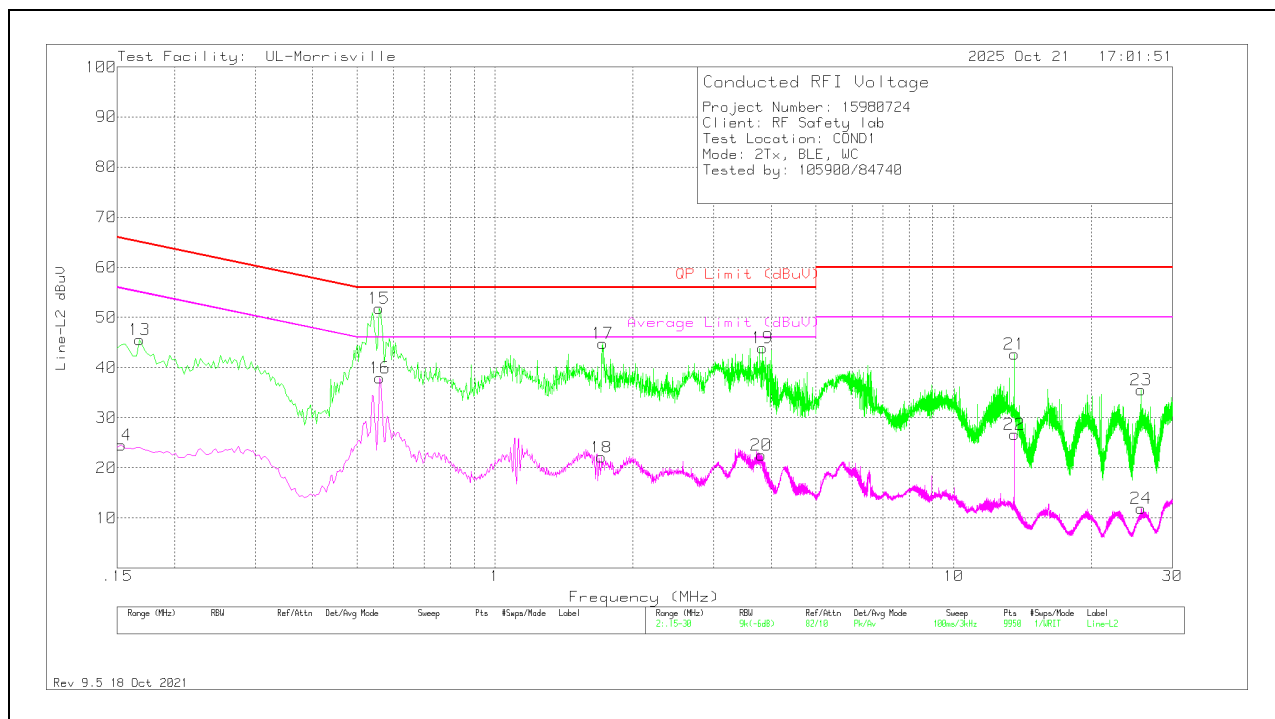
LINE 1 RESULTS



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	31.65	Pk	.2	9.7	41.55	65.67	-24.12	-	-
2	.171	13.15	Av	.2	9.7	23.05	-	-	54.91	-31.86
3	.56413	39.35	Qp	0	9.7	49.05	56	-6.95	-	-
4	.55486	22.62	Ca	0	9.7	32.32	-	-	46	-13.68
5	1.113	36.77	Pk	0	9.7	46.47	56	-9.53	-	-
6	1.125	20.73	Av	0	9.7	30.43	-	-	46	-15.57
7	4.086	36.96	Pk	0	9.7	46.66	56	-9.34	-	-
8	4.086	11.78	Av	0	9.7	21.48	-	-	46	-24.52
9	9.888	31.32	Pk	.1	9.7	41.12	60	-18.88	-	-
10	9.906	9.79	Av	.1	9.7	19.59	-	-	50	-30.41
11	24.306	26.3	Pk	.2	9.8	36.3	60	-23.7	-	-
12	24.306	2.54	Av	.2	9.8	12.54	-	-	50	-37.46

Pk - Peak detector
Av - Average detection
Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



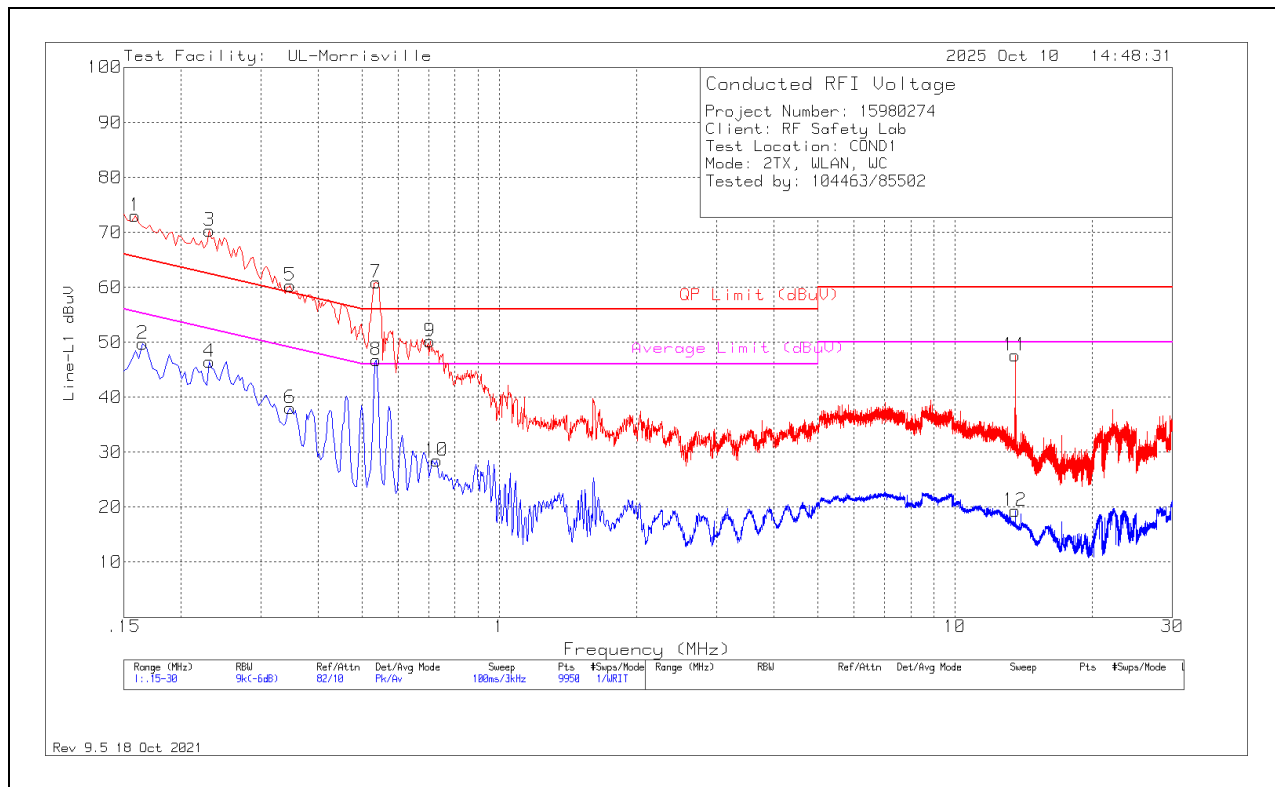
Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
14	.153	14.61	Av	.2	9.7	24.51	-	-	55.84	-31.33
13	.168	35.67	Pk	.2	9.7	45.57	65.06	-19.49	-	-
15	.56002	38.67	Qp	0	9.7	48.37	56	-7.63	-	-
16	.561	28.18	Av	0	9.7	37.88	-	-	46	-8.12
18	1.707	12.39	Av	0	9.7	22.09	-	-	46	-23.91
17	1.719	35.11	Pk	0	9.7	44.81	56	-11.19	-	-
20	3.807	12.85	Av	0	9.7	22.55	-	-	46	-23.45
19	3.834	34.27	Pk	0	9.7	43.97	56	-12.03	-	-
21	13.563	32.73	Pk	.1	9.8	42.63	60	-17.37	-	-
22	13.563	16.71	Av	.1	9.8	26.61	-	-	50	-23.39
23	25.638	25.58	Pk	.2	9.8	35.58	60	-24.42	-	-
24	25.656	1.91	Av	.2	9.8	11.91	-	-	50	-38.09

Pk - Peak detector

Av - Average detection

12.1.4. AC Power Line 2.4 WLAN MIMO

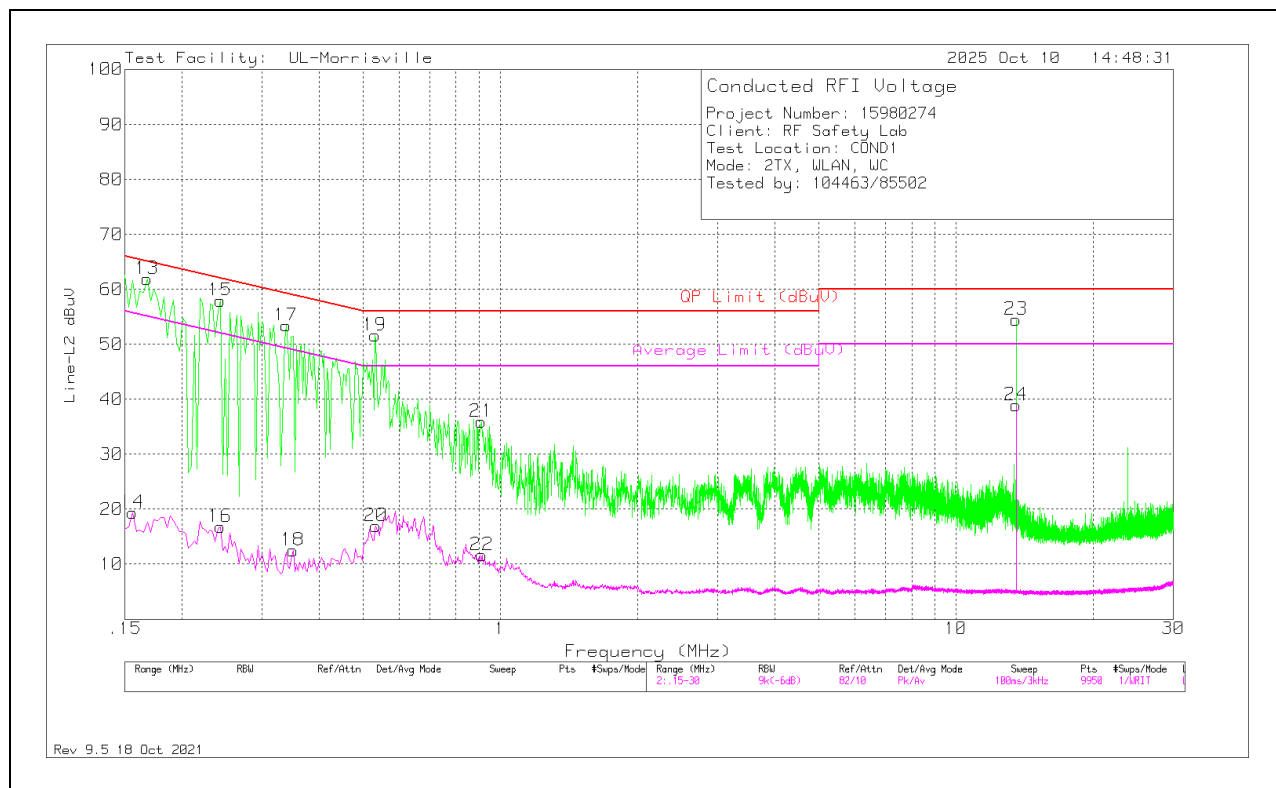
LINE 1 RESULTS



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	.15127	41.07	Qp	.2	9.7	50.97	65.93	-14.96	-	-
2	.15127	8.37	Ca	.2	9.7	18.27	-	-	55.93	-37.66
3	.19514	39.34	Qp	.2	9.7	49.24	63.81	-14.57	-	-
4	.21984	7.62	Ca	.1	9.7	17.42	-	-	52.82	-35.4
5	.36521	24.18	Qp	.1	9.7	33.98	58.61	-24.63	-	-
6	.348	28.22	Av	.1	9.7	38.02	-	-	49.01	-10.99
7	.54546	28.87	Qp	0	9.7	38.57	56	-17.43	-	-
8	.54546	8.04	Ca	0	9.7	17.74	-	-	46	-28.26
9	.68941	20.33	Qp	0	9.7	30.03	56	-25.97	-	-
10	.729	18.81	Av	0	9.7	28.51	-	-	46	-17.49
11	13.56	37.67	Pk	.1	9.8	47.57	60	-12.43	-	-
12	13.563	9.5	Av	.1	9.8	19.4	-	-	50	-30.6

Pk - Peak detector
Av - Average detection
Qp - Quasi-Peak detector
Ca - CISPR average detection

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)
14	.156	9.49	Av	.2	9.7	19.39	-	-	55.67	-36.28
13	.15396	40.27	Qp	.2	9.7	50.17	65.78	-15.61	-	-
15	.22734	37.04	Qp	.1	9.7	46.84	62.55	-15.71	-	-
16	.243	7.02	Av	.1	9.7	16.82	-	-	51.99	-35.17
17	.32503	31.69	Qp	.1	9.7	41.49	59.58	-18.09	-	-
18	.351	2.66	Av	.1	9.7	12.46	-	-	48.94	-36.48
19	.53136	27.43	Qp	0	9.7	37.13	56	-18.87	-	-
20	.534	7.23	Av	0	9.7	16.93	-	-	46	-29.07
21	.909	26.25	Pk	0	9.7	35.95	56	-20.05	-	-
22	.912	1.97	Av	0	9.7	11.67	-	-	46	-34.33
23	13.5596	27.88	Qp	.1	9.8	37.78	60	-22.22	-	-
24	13.56	29.06	Av	.1	9.8	38.96	-	-	50	-11.04

Pk - Peak detector
Av - Average detection
Qp - Quasi-Peak detector
Ca - CISPR average detection

13. SETUP PHOTOS

Refer to R15980274-EP1c for setup diagrams

END OF TEST REPORT