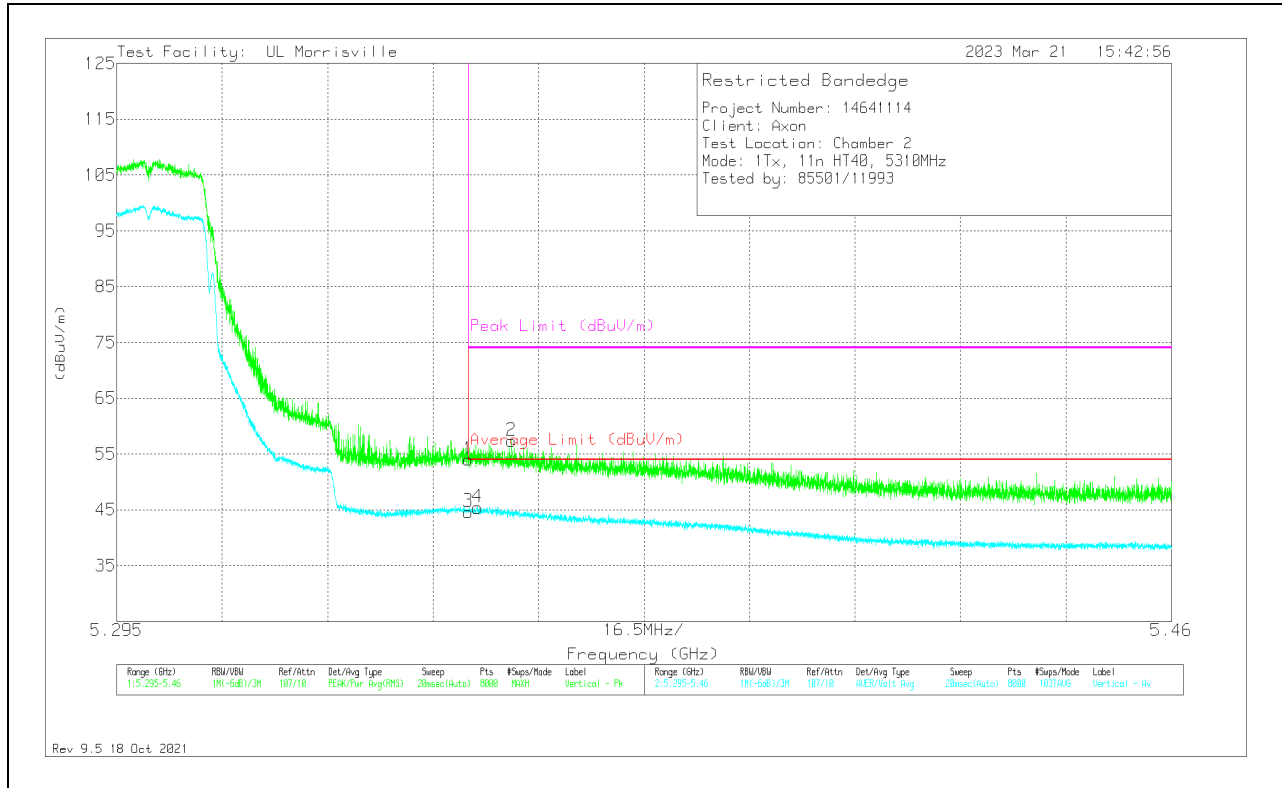


VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	*** 5.35001	42.36	Pk	34.4	-22.7	0	54.06	-	-	74	-19.94	122	102	V
2	*** 5.35674	45.77	Pk	34.4	-22.8	0	57.37	-	-	74	-16.63	122	102	V
3	*** 5.35001	32.62	ADV	34.4	-22.7	.33	44.65	54	-9.35	-	-	122	102	V
4	*** 5.35142	33.37	ADV	34.4	-22.7	.33	45.40	54	-8.60	-	-	122	102	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

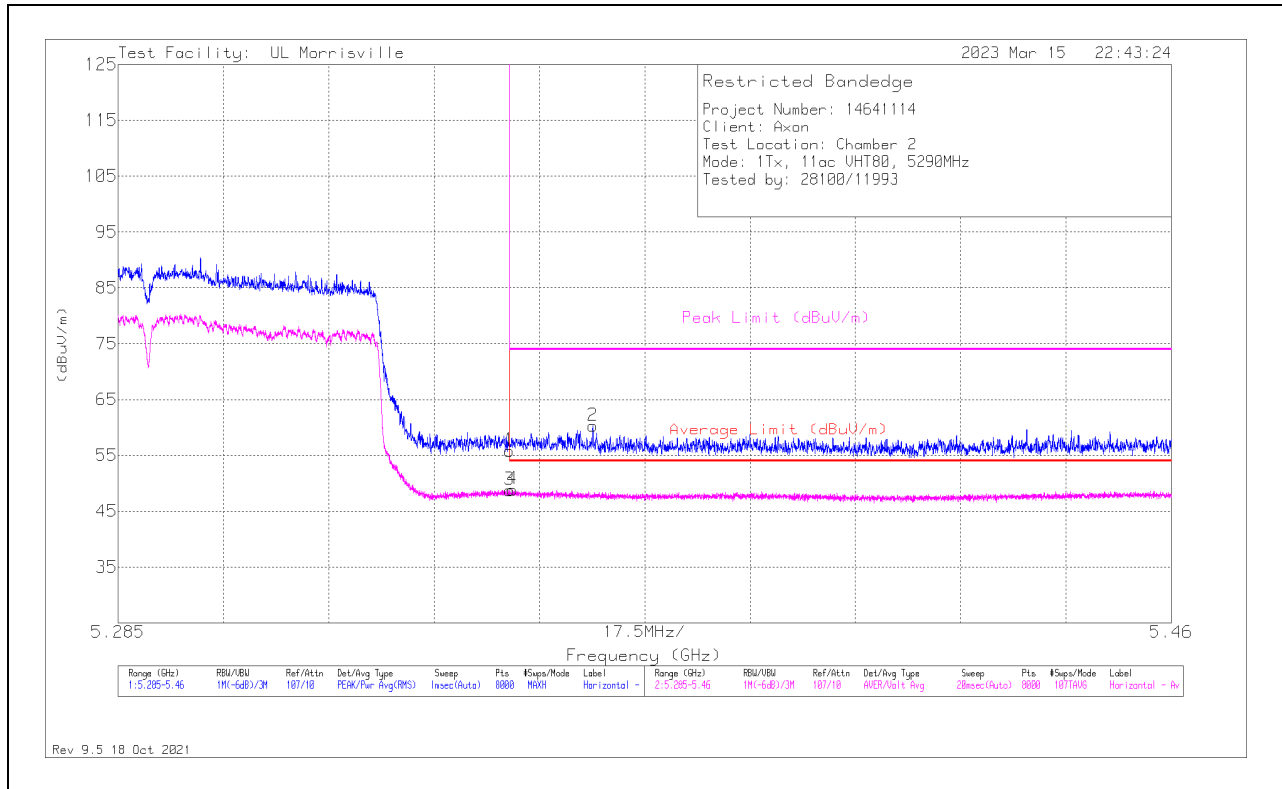
ADV - Linear Voltage Average

10.1.8. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 5.35002	34.22	Pk	34.4	-22.7	9.9	0	55.82	-	-	74	-18.18	331	254	H
2	** 5.36387	39.08	Pk	34.4	-23	9.8	0	60.28	-	-	74	-13.72	331	254	H
3	** 5.35002	26.54	ADV	34.4	-22.7	9.9	.66	48.8	54	-5.2	-	-	331	254	H
4	** 5.35057	26.66	ADV	34.4	-22.7	9.9	.66	48.92	54	-5.08	-	-	331	254	H

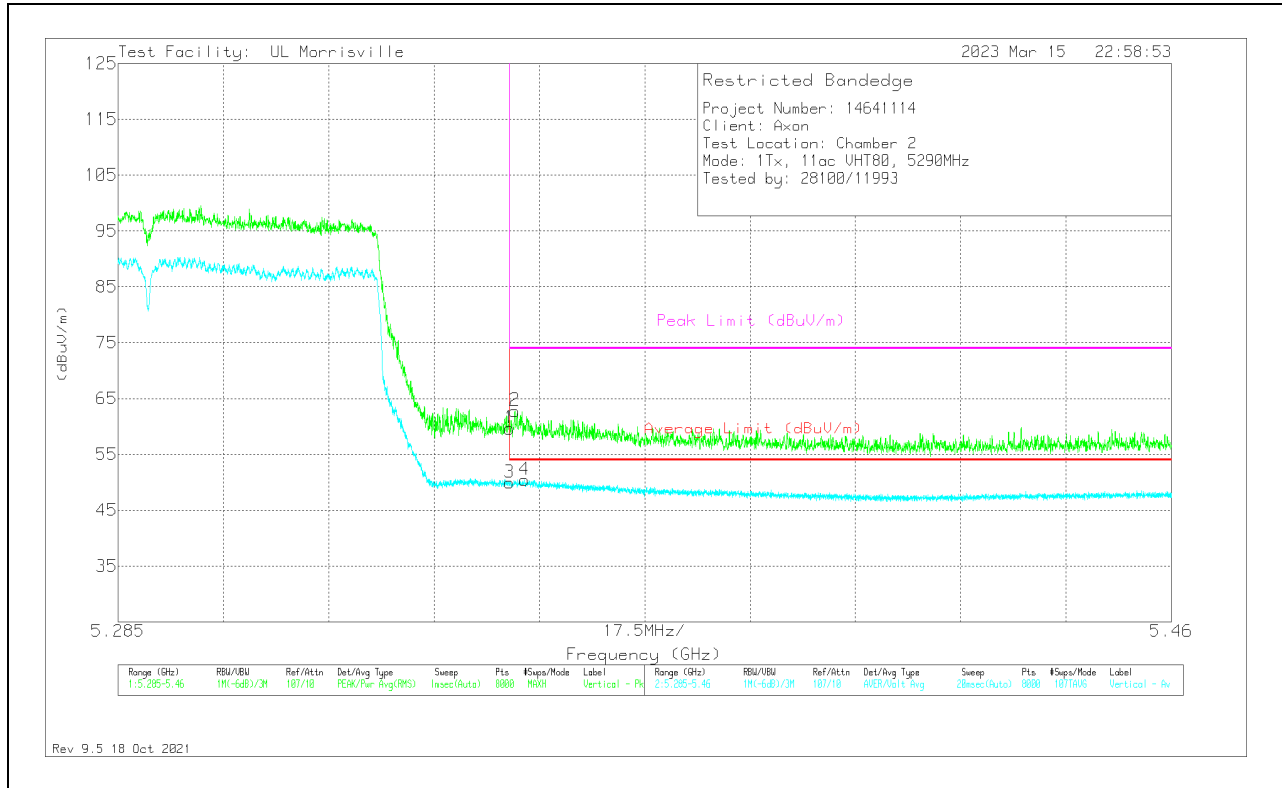
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35002	38.06	Pk	34.4	-22.7	9.9	0	59.66	-	-	74	-14.34	307	266	V
2	*** 5.35092	41.18	Pk	34.4	-22.7	9.9	0	62.78	-	-	74	-11.22	307	266	V
3	*** 5.35002	27.67	ADV	34.4	-22.7	9.9	.66	49.93	54	-4.07	-	-	307	266	V
4	*** 5.35249	28.25	ADV	34.4	-22.7	9.8	.66	50.41	54	-3.59	-	-	307	266	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

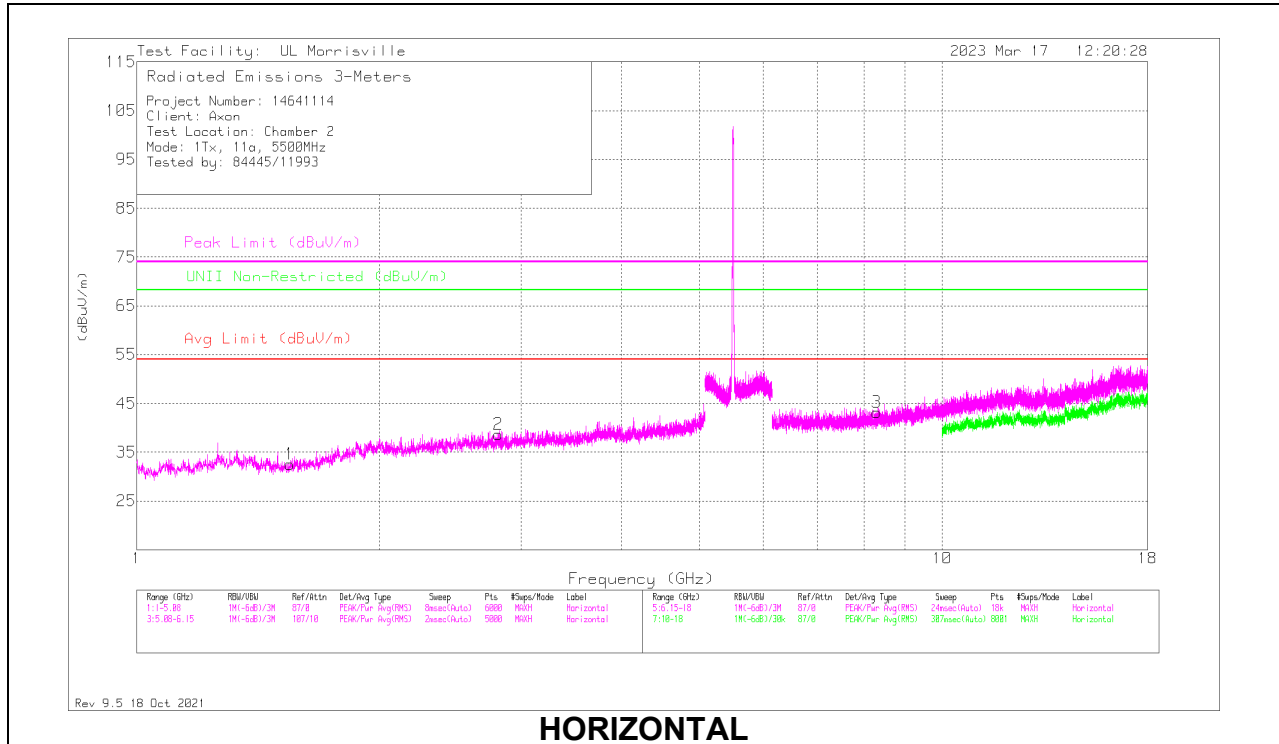
ADV - Linear Voltage Average

10.1.9. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND

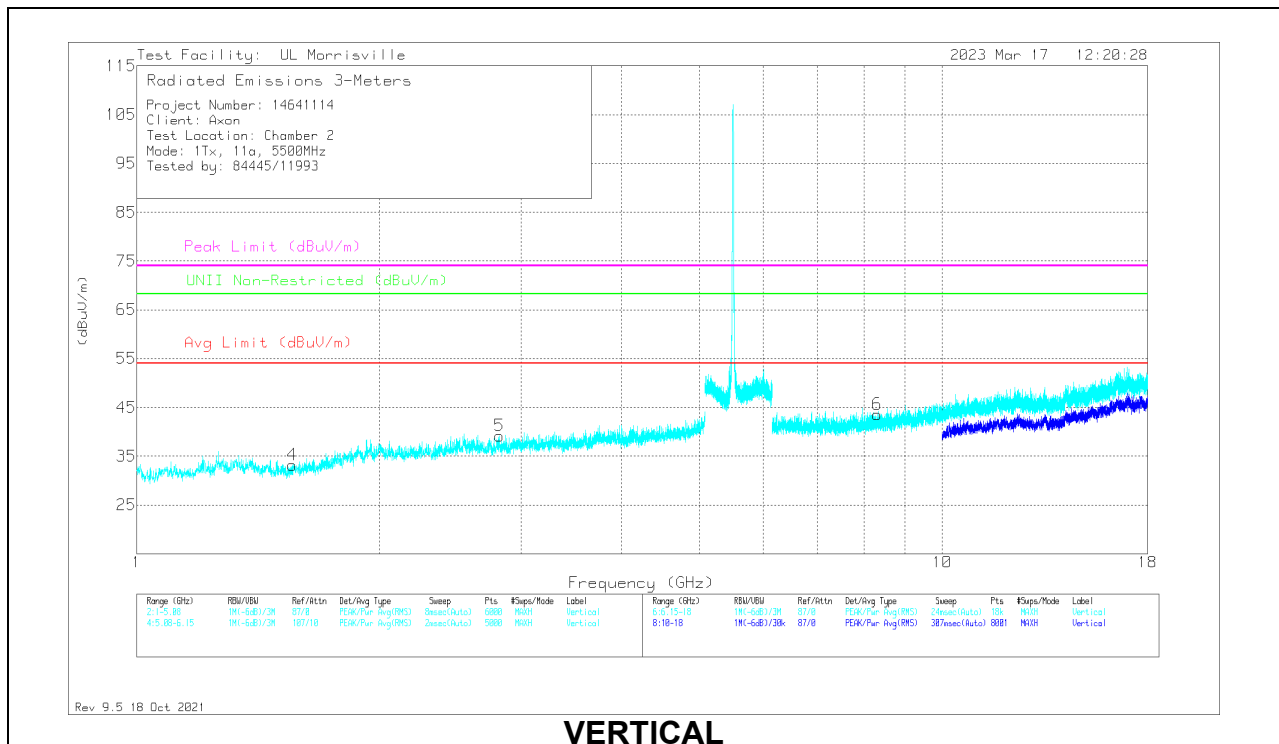
1TX Antenna 1 MODE

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

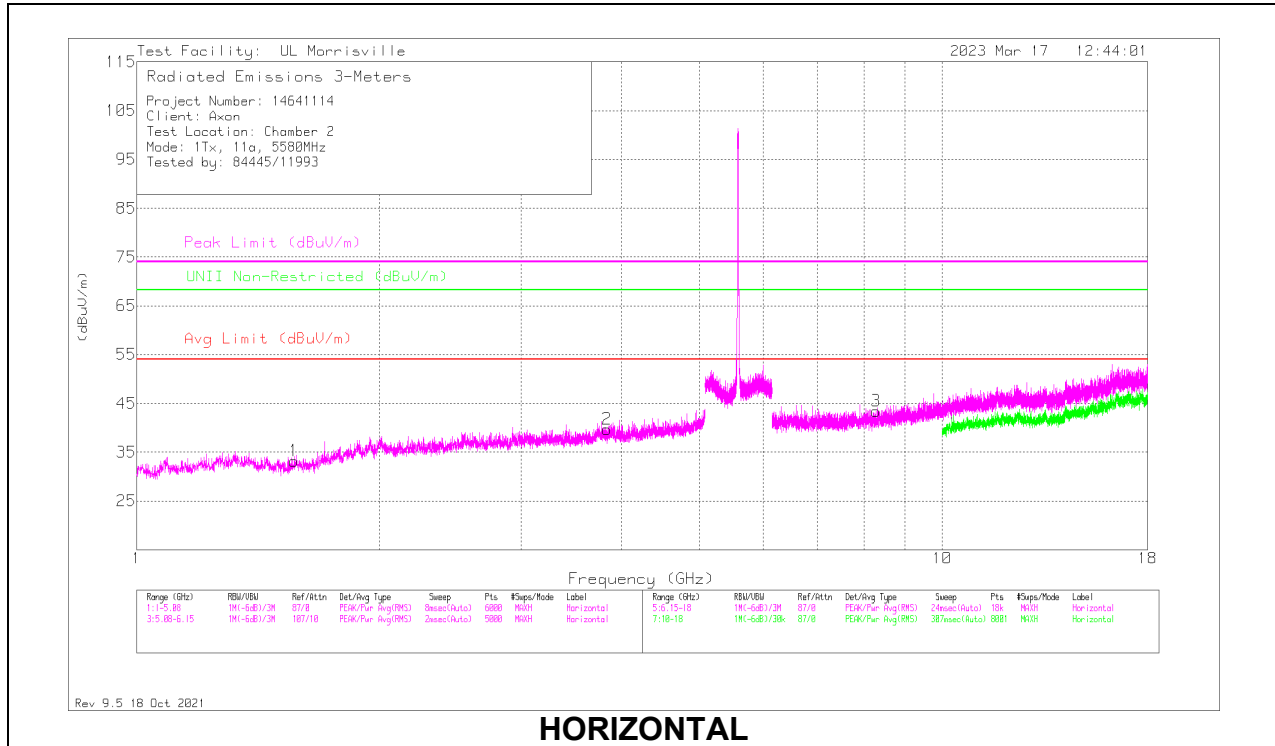
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.54953	39.23	Pk	28	-34.7	32.53	54	-21.47	74	-41.47	-	-	0-360	200	H
2	* ** 2.8125	39.4	Pk	32.6	-33.4	38.6	54	-15.4	74	-35.4	-	-	0-360	101	H
4	* ** 1.56109	39.81	Pk	28	-34.6	33.21	54	-20.79	74	-40.79	-	-	0-360	101	V
5	* ** 2.82202	39.84	Pk	32.6	-33.3	39.14	54	-14.86	74	-34.86	-	-	0-360	101	V
3	* ** 8.29102	34.49	Pk	35.8	-27.2	43.09	54	-10.91	74	-30.91	-	-	0-360	199	H
6	* ** 8.31472	34.34	Pk	35.8	-26.6	43.54	54	-10.46	74	-30.46	-	-	0-360	101	V

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

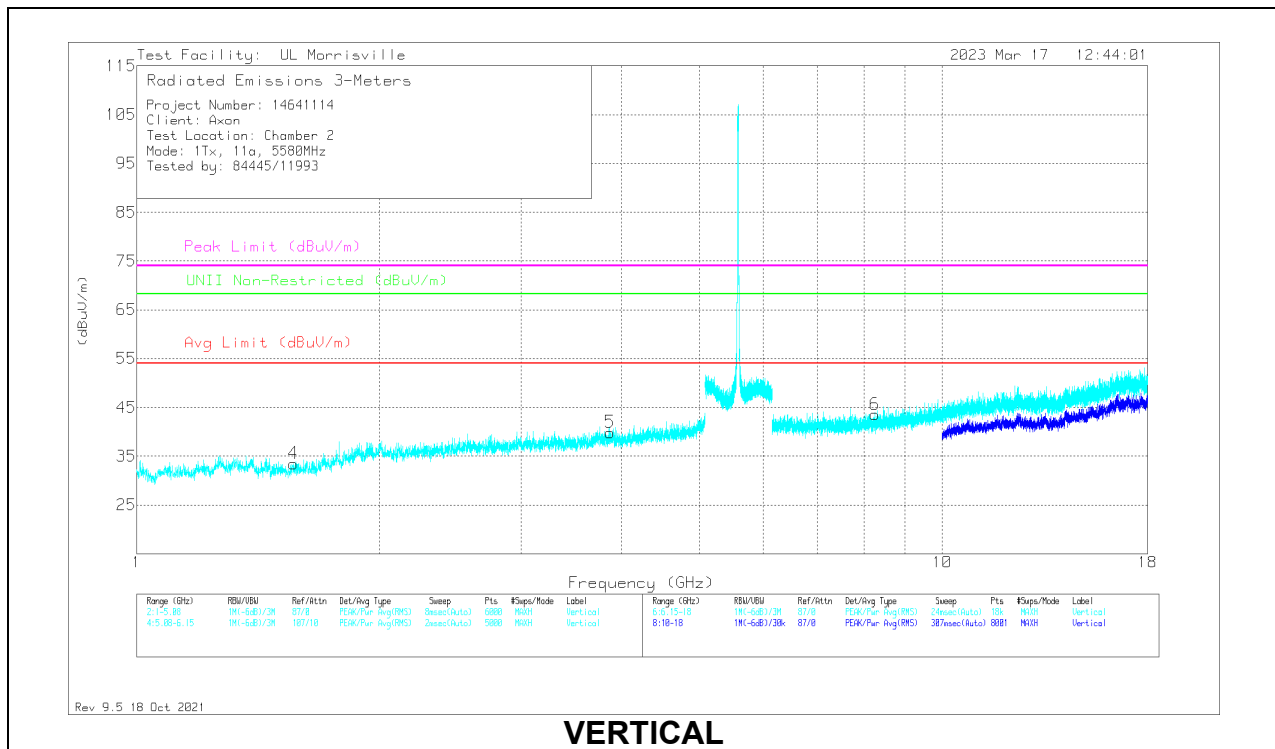
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

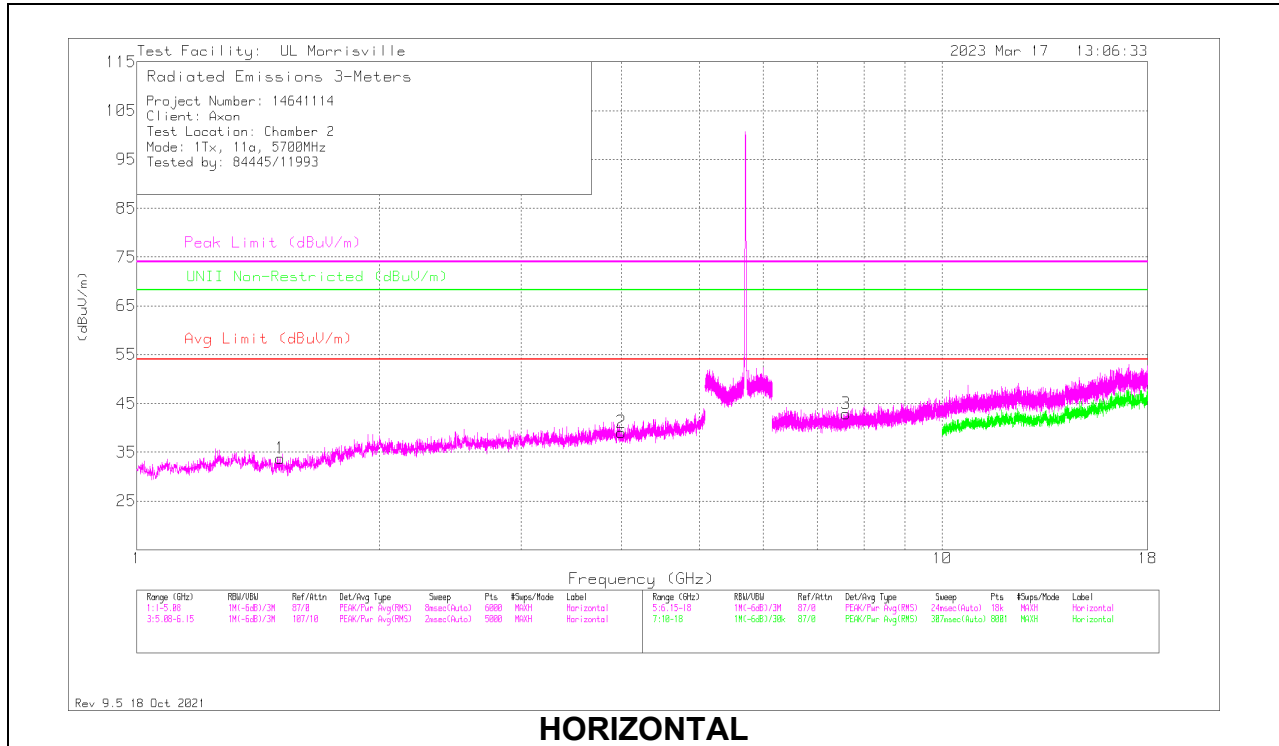
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.56789	39.61	Pk	28.1	-34.5	33.21	54	-20.79	74	-40.79	-	-	0-360	200	H
2	* ** 3.83607	39.18	Pk	33.4	-32.9	39.68	54	-14.32	74	-34.32	-	-	0-360	101	H
4	* ** 1.56653	39.91	Pk	28.1	-34.5	33.51	54	-20.49	74	-40.49	-	-	0-360	101	V
5	* ** 3.86804	38.59	Pk	33.4	-32.1	39.89	54	-14.11	74	-34.11	-	-	0-360	200	V
3	* ** 8.28575	34.65	Pk	35.8	-27	43.45	54	-10.55	74	-30.55	-	-	0-360	101	H
6	* ** 8.25876	34.73	Pk	35.8	-27	43.53	54	-10.47	74	-30.47	-	-	0-360	199	V

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

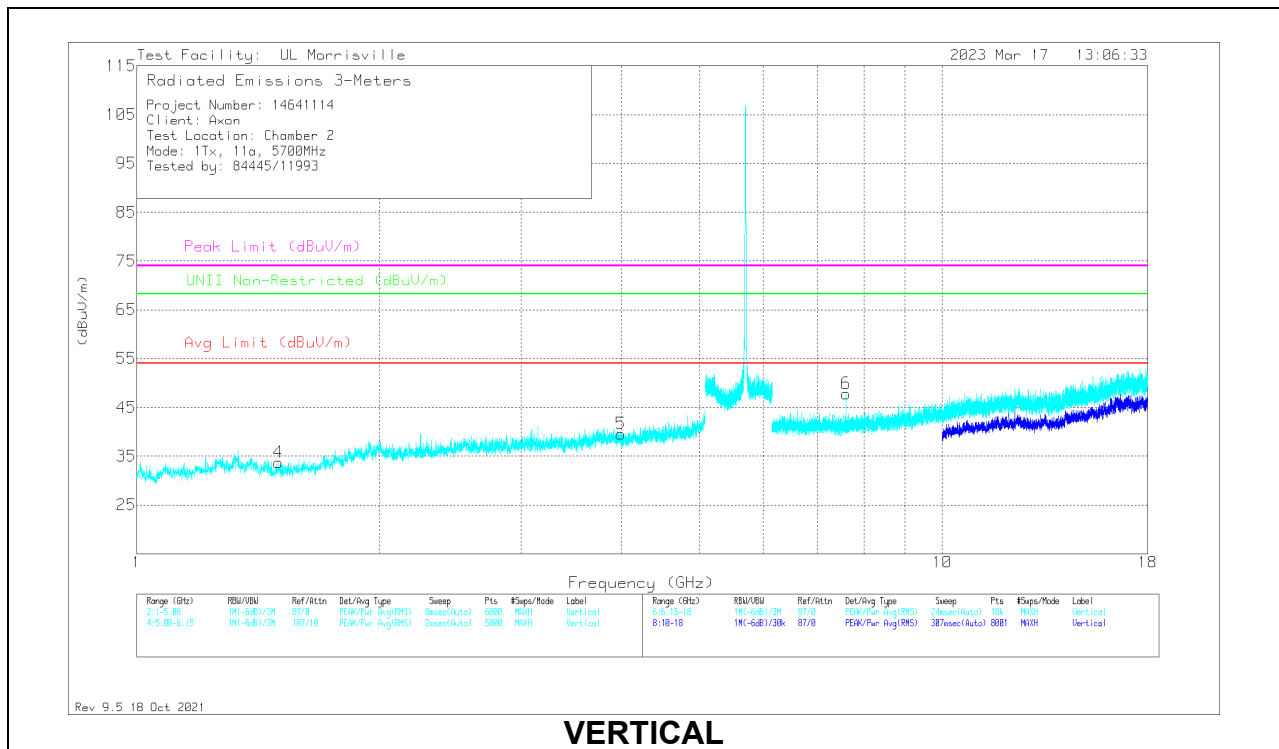
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

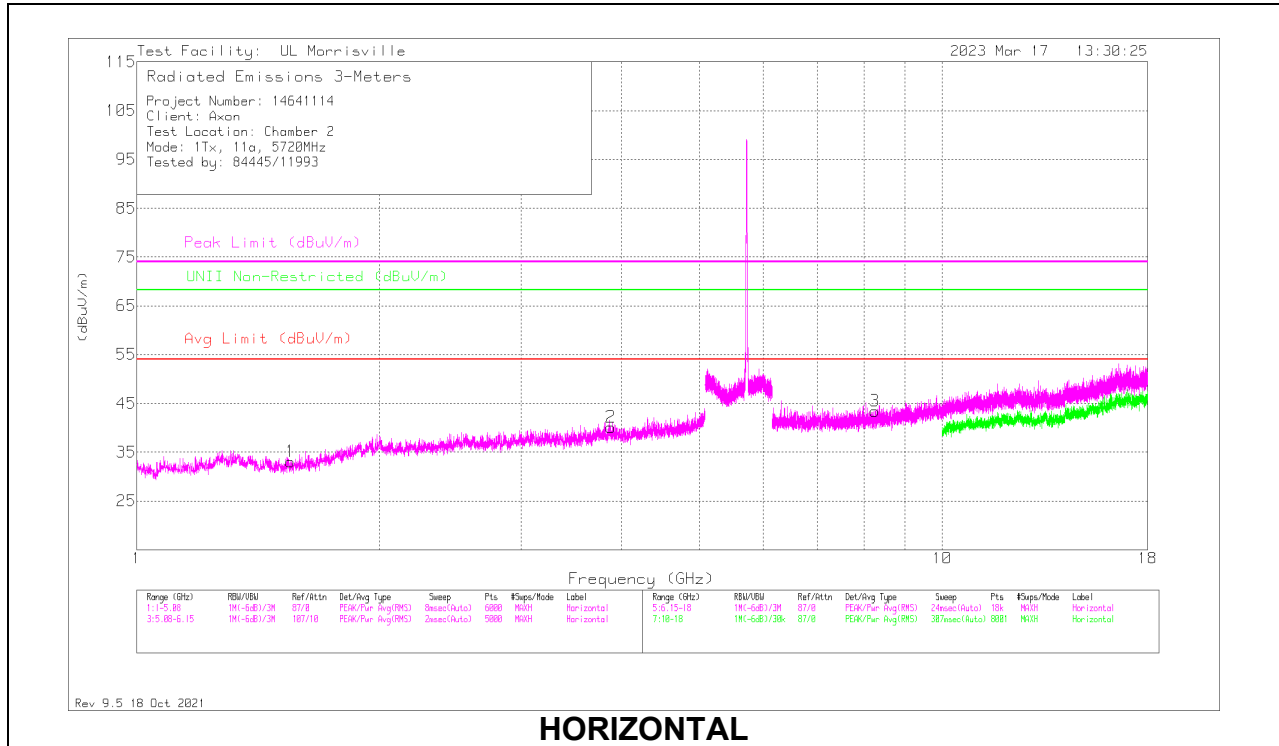
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.506	40.52	Pk	28.2	-35	33.72	54	-20.28	74	-40.28	-	-	0-360	199	H
2	* ** 3.9959	37.29	Pk	33.4	-31.6	39.09	54	-14.91	74	-34.91	-	-	0-360	101	H
4	* ** 1.4992	40.56	Pk	28.2	-35	33.76	54	-20.24	74	-40.24	-	-	0-360	101	V
5	* ** 3.98842	37.84	Pk	33.4	-31.7	39.54	54	-14.46	74	-34.46	-	-	0-360	199	V
3	* ** 7.59973	35.05	Pk	35.7	-27.9	42.85	54	-11.15	74	-31.15	-	-	0-360	199	H
6	* ** 7.59973	39.95	Pk	35.7	-27.9	47.75	54	-6.25	74	-26.25	-	-	0-360	101	V

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

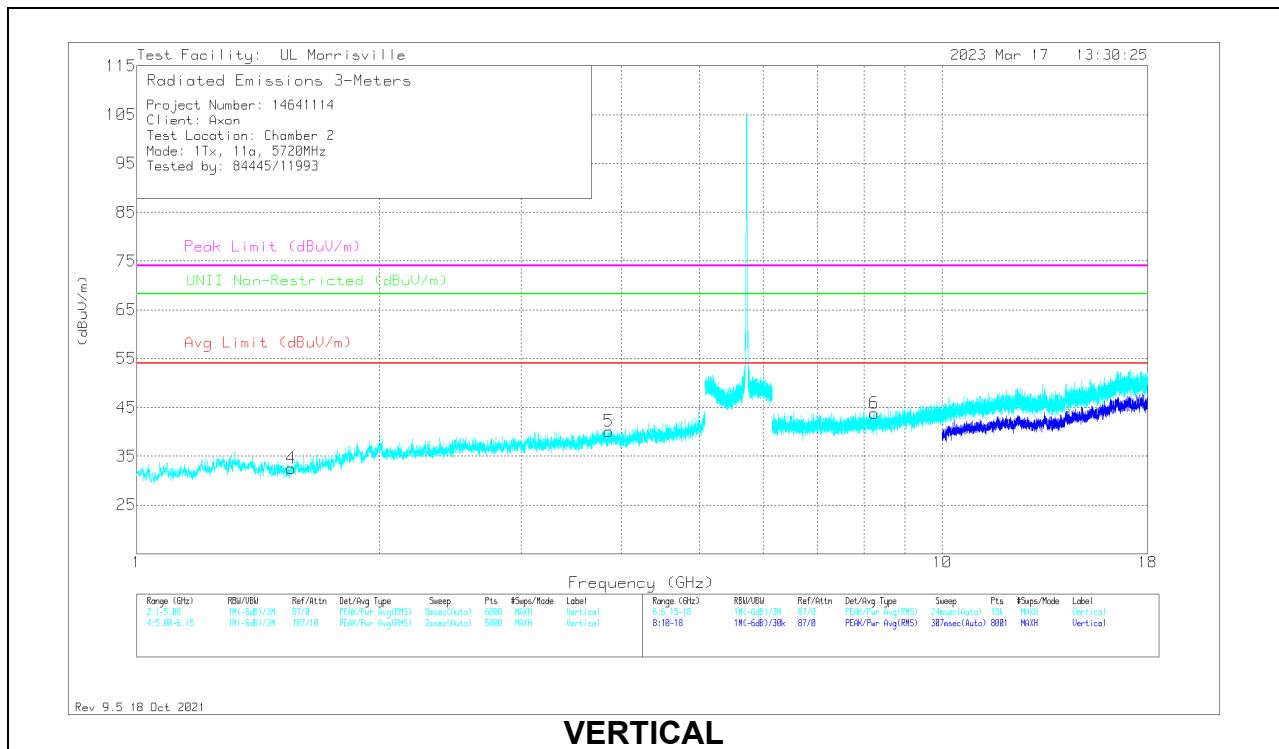
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

CHANNEL 144 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.55157	39.69	Pk	28	-34.7	32.99	54	-21.01	74	-41.01	-	-	0-360	101	H
2	* ** 3.8796	38.65	Pk	33.4	-31.9	40.15	54	-13.85	74	-33.85	-	-	0-360	199	H
4	* ** 1.55565	39.2	Pk	28	-34.7	32.5	54	-21.5	74	-41.5	-	-	0-360	199	V
5	* ** 3.85647	38.55	Pk	33.4	-31.9	40.05	54	-13.95	74	-33.95	-	-	0-360	101	V
3	* ** 8.24823	34.85	Pk	35.8	-27.2	43.45	54	-10.55	74	-30.55	-	-	0-360	101	H
6	* ** 8.24428	35.53	Pk	35.8	-27.5	43.83	54	-10.17	74	-30.17	-	-	0-360	199	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

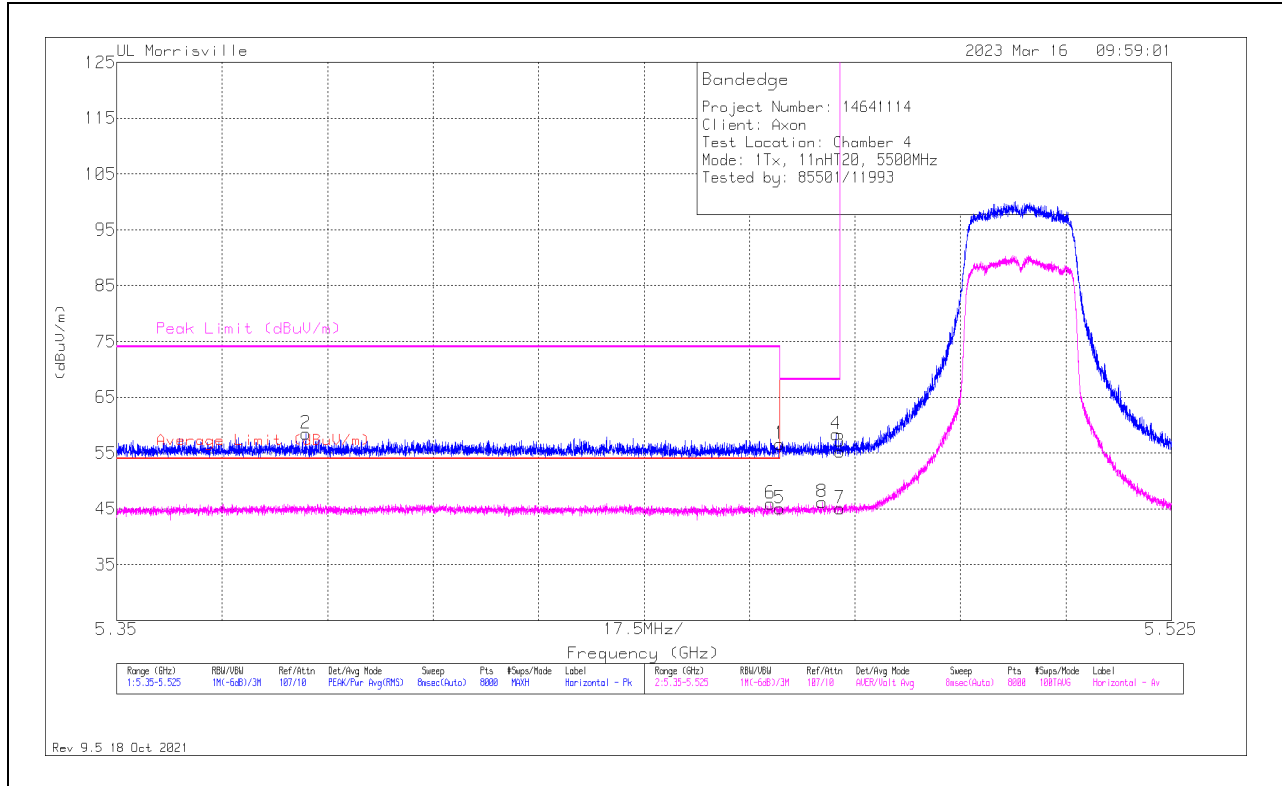
Pk - Peak detector

10.1.10. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL 100)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (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	*** 5.45998	31.67	Pk	34.6	-9.7	0	56.57	-	-	74	-17.43	112	238	H
2	*** 5.38142	33.85	Pk	34.5	-9.9	0	58.45	-	-	74	-15.55	112	238	H
5	*** 5.45998	20.16	ADV	34.6	-9.7	0	45.06	54	-8.94	-	-	112	238	H
6	*** 5.45845	21.07	ADV	34.6	-9.7	0	45.97	54	-8.03	-	-	112	238	H
8	5.46703	21.31	ADV	34.6	-9.7	0	46.21	-	-	-	-	112	238	H
4	5.46932	33.44	Pk	34.6	-9.7	0	58.34	-	-	68.2	-9.86	112	238	H
3	5.46998	30.34	Pk	34.6	-9.7	0	55.24	-	-	68.2	-12.96	112	238	H
7	5.46998	20.21	ADV	34.6	-9.7	0	45.11	-	-	-	-	112	238	H

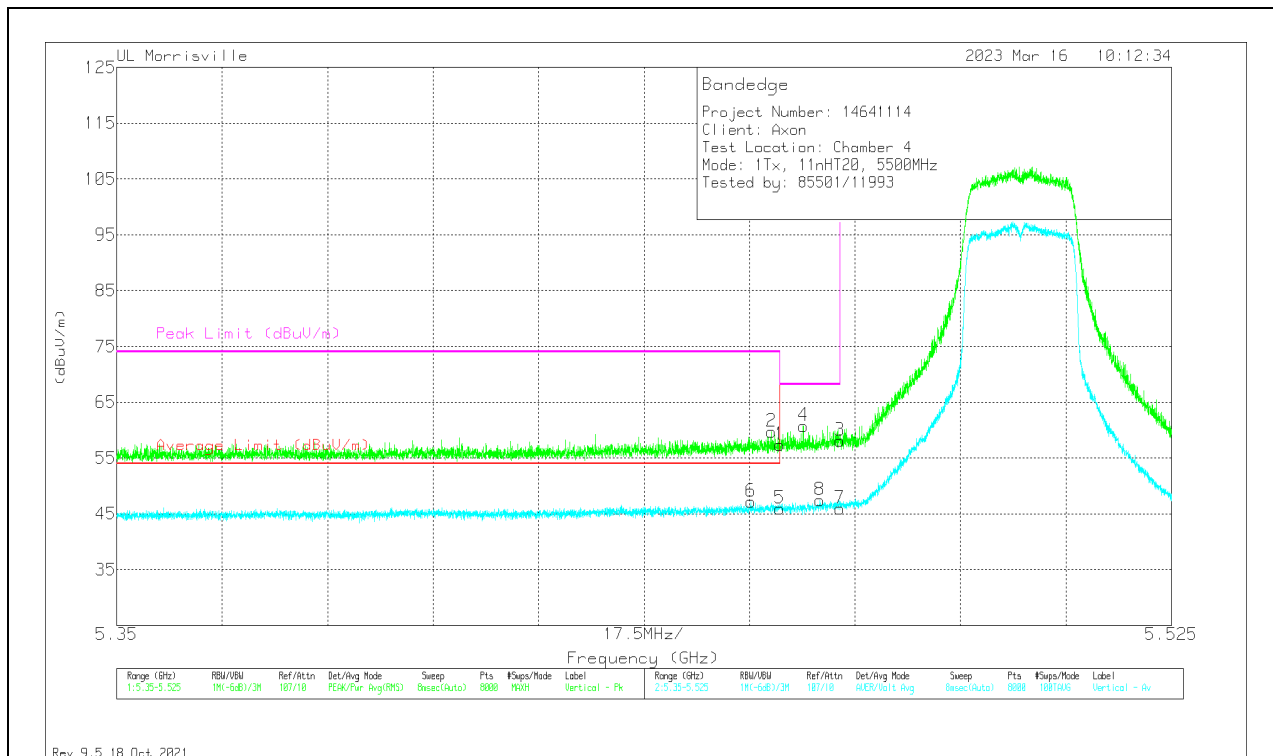
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (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	*** 5.45998	32.45	Pk	34.6	-9.7	0	57.35	-	-	74	-16.65	94	127	V
2	*** 5.45867	34.81	Pk	34.6	-9.7	0	59.71	-	-	74	-14.29	94	127	V
5	*** 5.45998	21	ADV	34.6	-9.7	0	45.9	54	-8.1	-	-	94	127	V
6	*** 5.45523	22.26	ADV	34.6	-9.7	0	47.16	54	-6.84	-	-	94	127	V
4	5.46392	35.88	Pk	34.6	-9.7	0	60.78	-	-	68.2	-7.42	94	127	V
8	5.4667	22.51	ADV	34.6	-9.7	0	47.41	-	-	-	-	94	127	V
3	5.46998	33.21	Pk	34.6	-9.7	0	58.11	-	-	68.2	-10.09	94	127	V
7	5.46998	21.01	ADV	34.6	-9.7	0	45.91	-	-	-	-	94	127	V

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

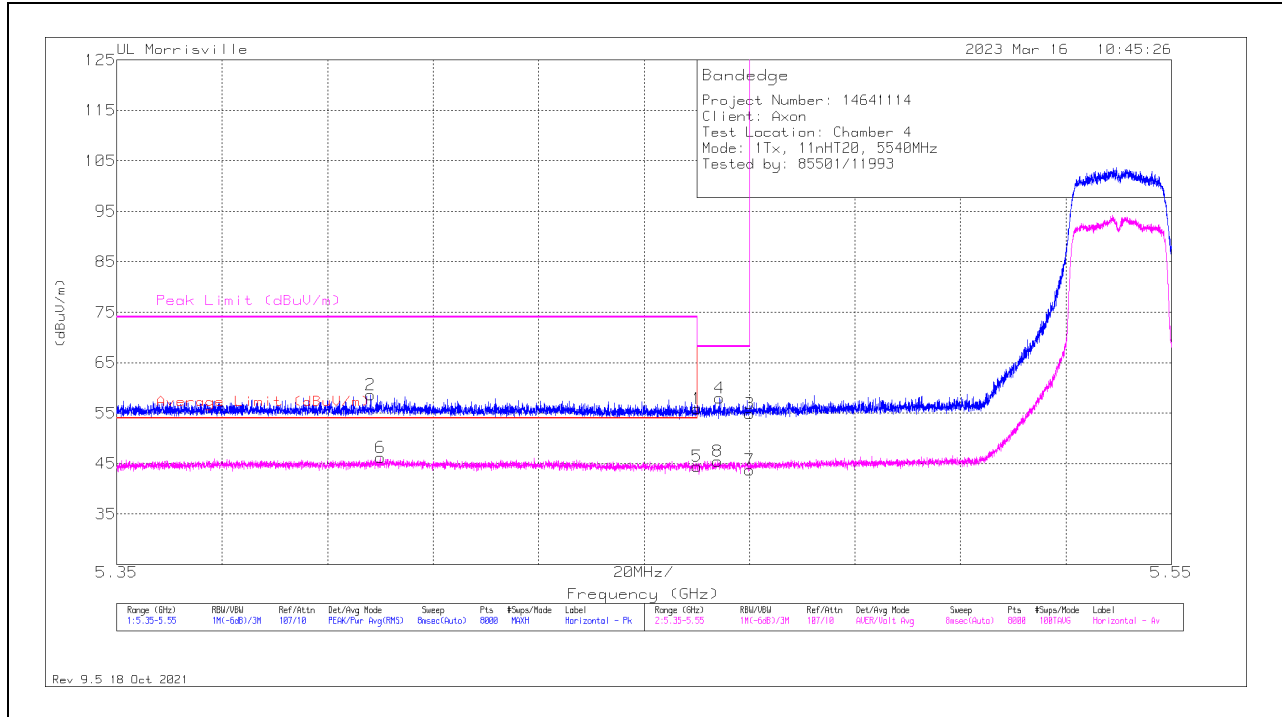
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (LOW CHANNEL 104)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (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	*** 5.45999	30.93	Pk	34.6	-9.7	0	55.83	-	-	74	-18.17	118	131	H
2	*** 5.39813	33.7	Pk	34.6	-9.7	0	58.6	-	-	74	-15.4	118	131	H
5	*** 5.45999	19.6	ADV	34.6	-9.7	0	44.5	54	-9.5	-	-	118	131	H
6	*** 5.39998	21.21	ADV	34.6	-9.6	0	46.21	54	-7.79	-	-	118	131	H
8	5.46399	20.6	ADV	34.6	-9.7	0	45.5	-	-	-	-	118	131	H
4	5.46434	33.05	Pk	34.6	-9.7	0	57.95	-	-	68.2	-10.25	118	131	H
3	5.46999	30.01	Pk	34.6	-9.7	0	54.91	-	-	68.2	-13.29	118	131	H
7	5.46999	18.85	ADV	34.6	-9.7	0	43.75	-	-	-	-	118	131	H

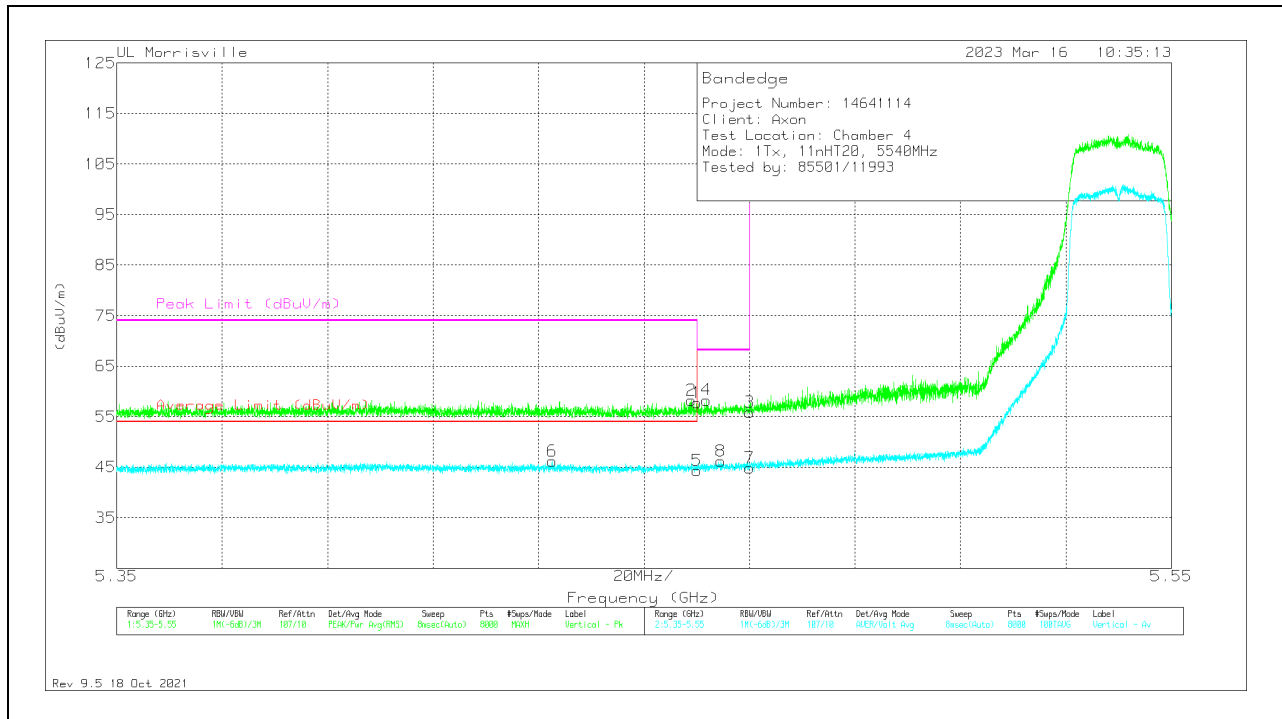
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (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	*** 5.45999	32.79	Pk	34.6	-9.7	0	57.69	-	-	74	-16.31	108	139	V
2	*** 5.45891	33.38	Pk	34.6	-9.7	0	58.28	-	-	74	-15.72	108	139	V
5	*** 5.45999	19.39	ADV	34.6	-9.7	0	44.29	54	-9.71	-	-	108	139	V
6	*** 5.43253	21.07	ADV	34.6	-9.5	0	46.17	54	-7.83	-	-	108	139	V
4	5.46186	33.4	Pk	34.6	-9.7	0	58.3	-	-	68.2	-9.9	108	139	V
8	5.46459	21.24	ADV	34.6	-9.7	0	46.14	-	-	-	-	108	139	V
3	5.46999	30.98	Pk	34.6	-9.7	0	55.88	-	-	68.2	-12.32	108	139	V
7	5.46999	19.92	ADV	34.6	-9.7	0	44.82	-	-	-	-	108	139	V

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

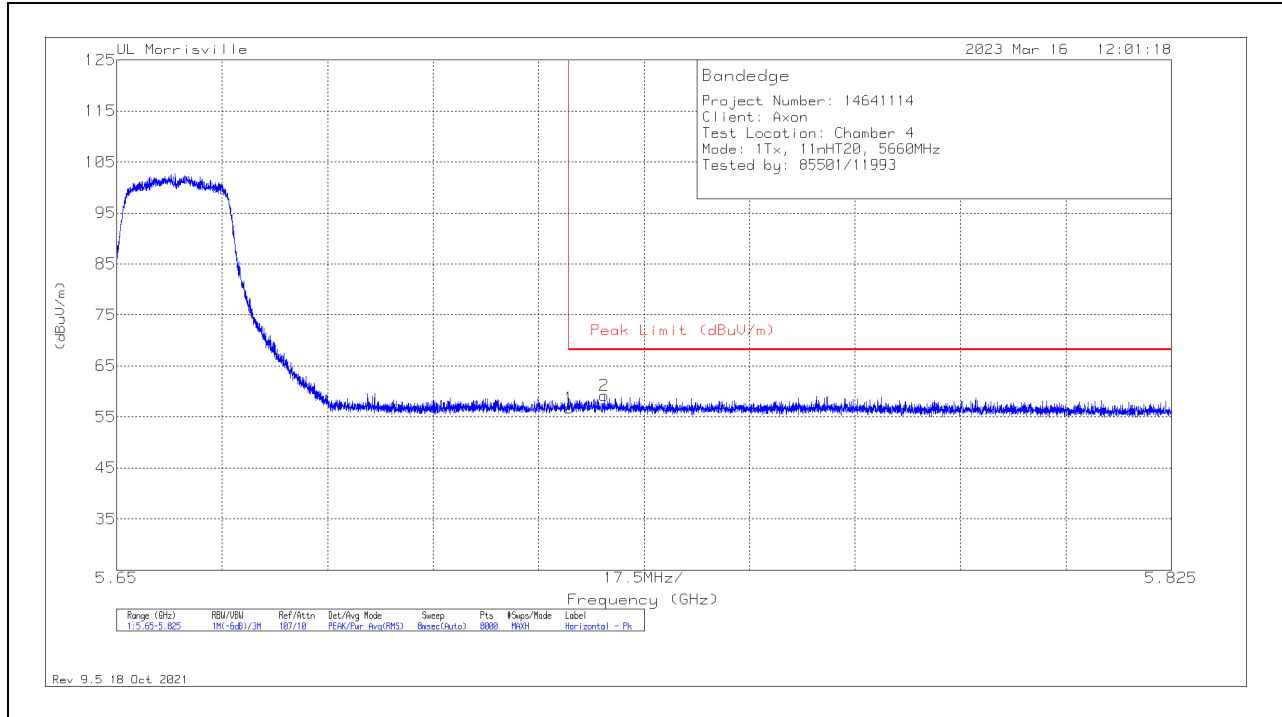
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL 136)

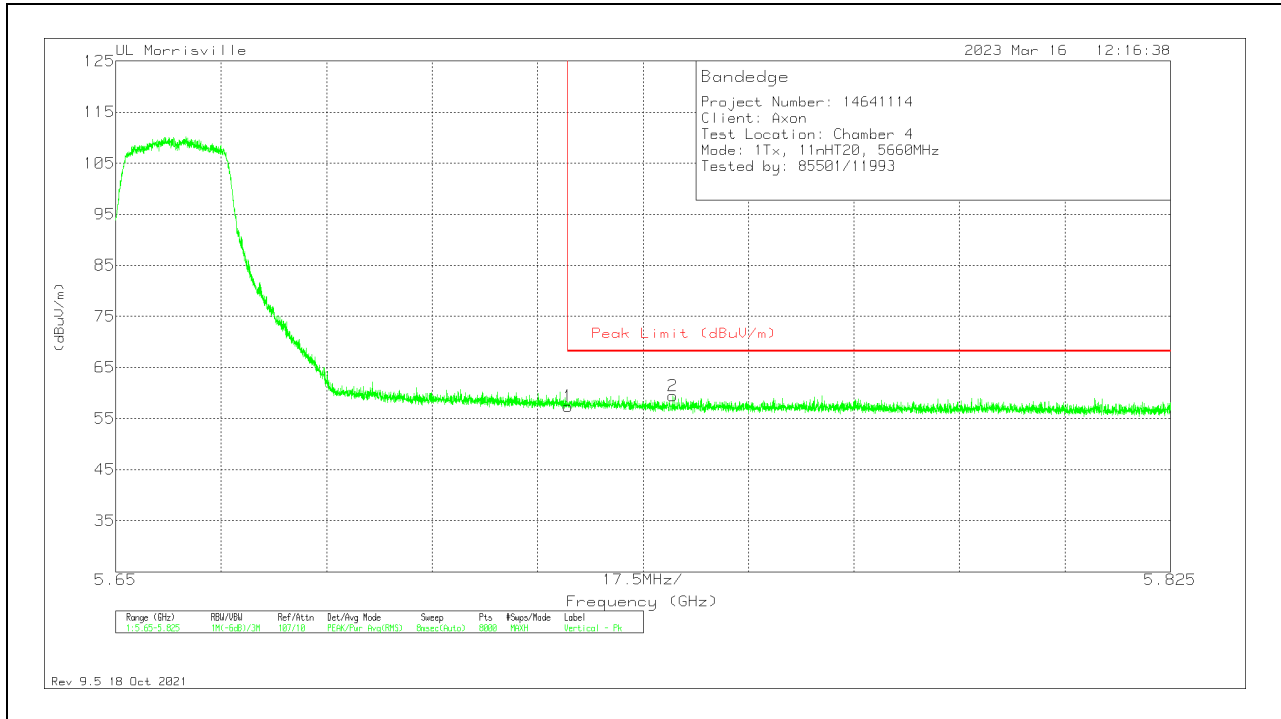
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	31.16	Pk	34.8	-9.2	56.76	68.2	-11.44	110	150	H
2	5.7309	33.56	Pk	34.8	-9.1	59.26	68.2	-8.94	110	150	H

Pk - Peak detector

VERTICAL RESULT

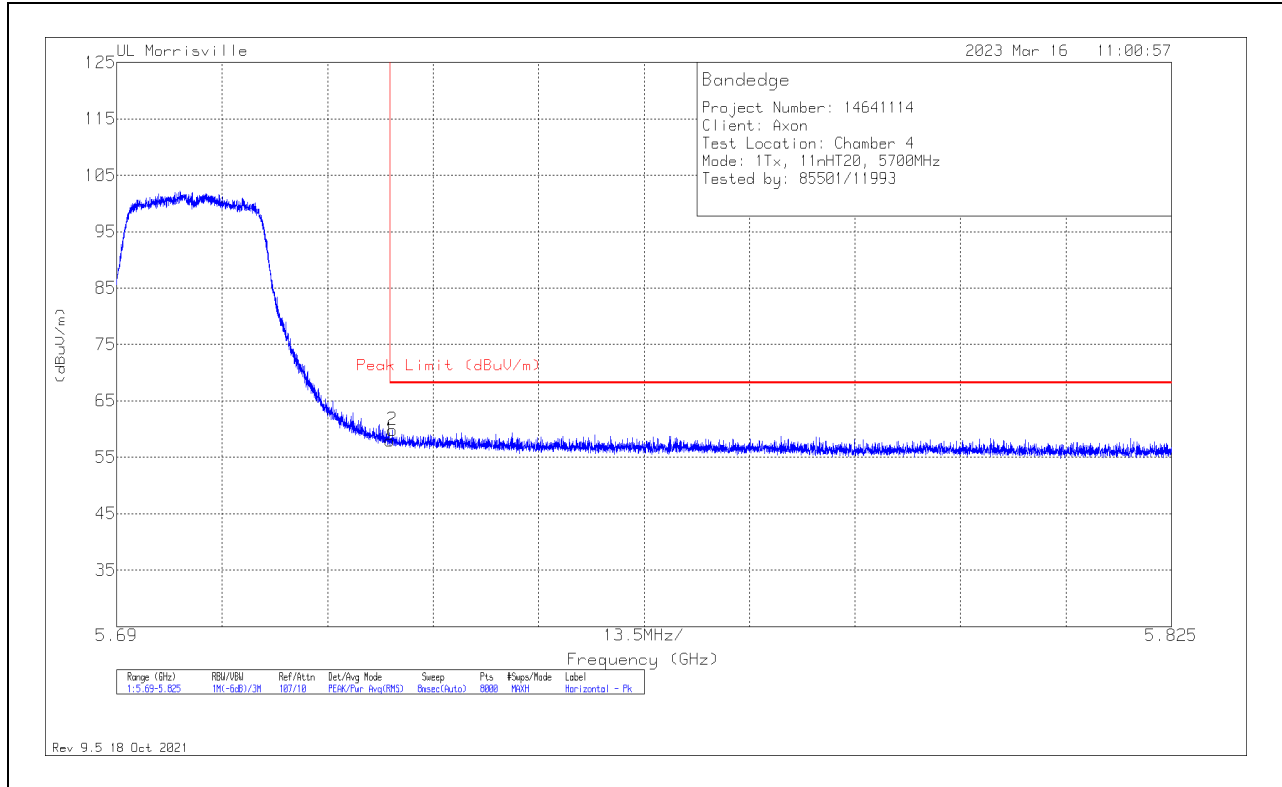


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	31.82	Pk	34.8	-9.2	57.42	68.2	-10.78	114	101	V
2	5.74243	33.97	Pk	34.8	-9.3	59.47	68.2	-8.73	114	101	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL 140)

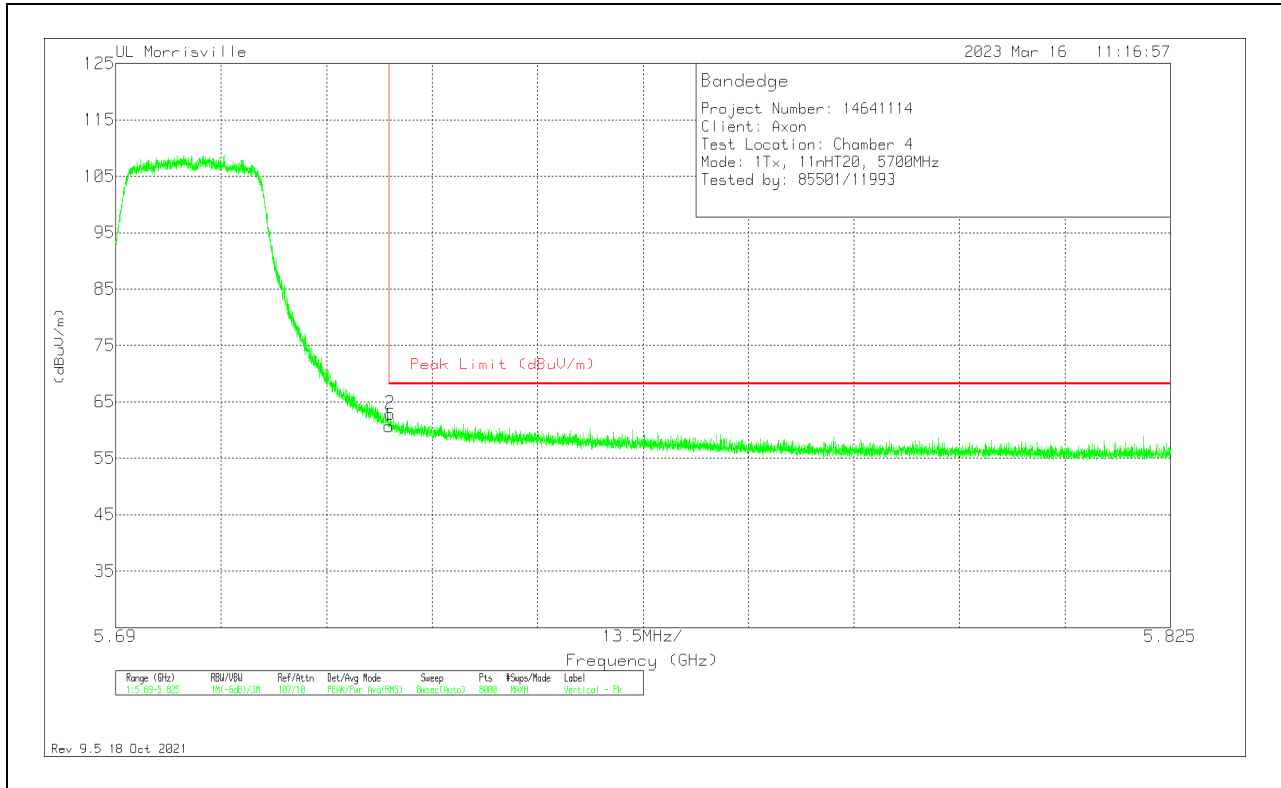
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	32.4	Pk	34.8	-9.2	58	68.2	-10.2	116	120	H
2	5.72529	34.26	Pk	34.8	-9.2	59.86	68.2	-8.34	116	120	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	35.12	Pk	34.8	-9.2	60.72	68.2	-7.48	120	116	V
2	5.7251	37.29	Pk	34.8	-9.2	62.89	68.2	-5.31	120	116	V

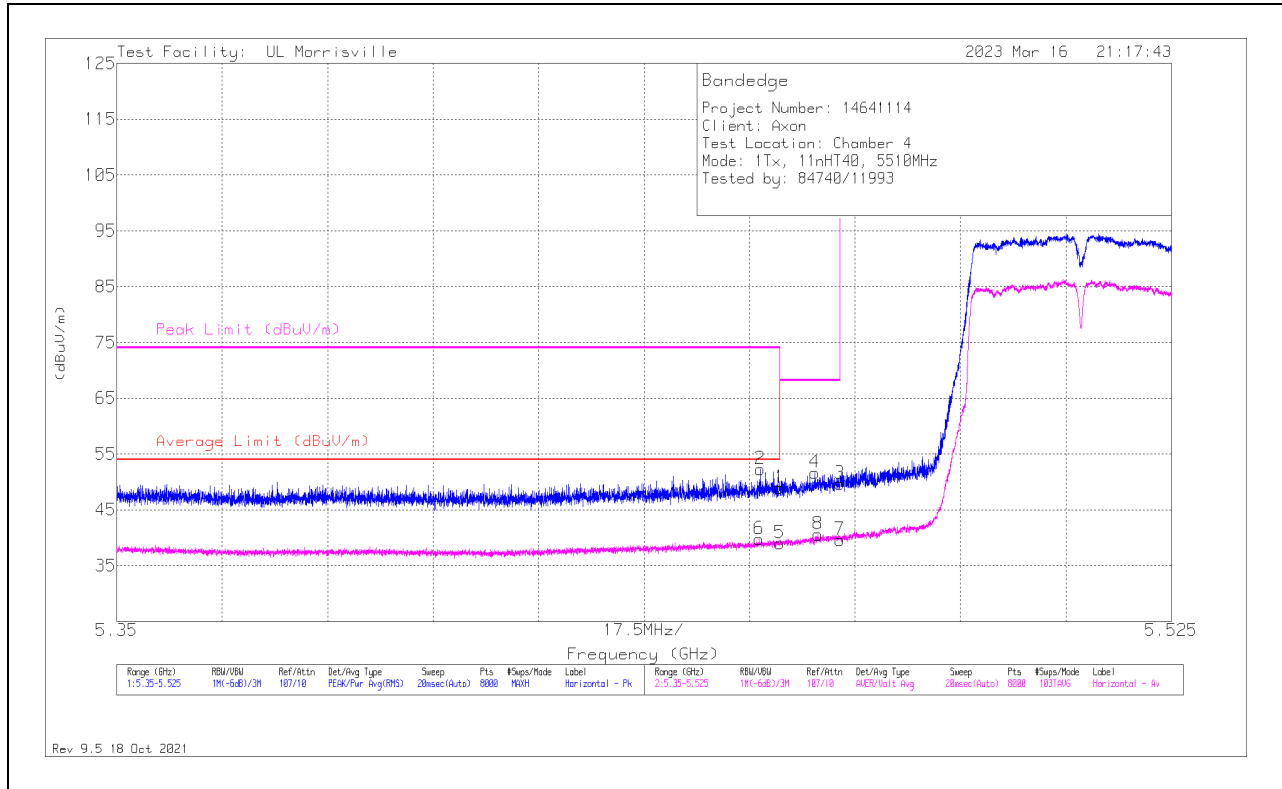
Pk - Peak detector

10.1.11. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL 102)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	*** 5.45998	37.86	Pk	34.4	-23.3	0	48.96	-	-	74	-25.04	309	115	H
2	*** 5.45674	41.2	Pk	34.4	-23.3	0	52.3	-	-	74	-21.7	309	115	H
5	*** 5.45998	27.62	ADV	34.4	-23.3	.33	39.05	54	-14.95	-	-	309	115	H
6	*** 5.45661	28.32	ADV	34.4	-23.3	.33	39.75	54	-14.25	-	-	309	115	H
4	5.46584	40.81	Pk	34.4	-23.5	0	51.71	-	-	68.2	-16.49	309	115	H
8	5.4663	29.33	ADV	34.4	-23.5	.33	40.56	-	-	-	-	309	115	H
3	5.46998	38.83	Pk	34.4	-23.6	0	49.63	-	-	68.2	-18.57	309	115	H
7	5.46998	28.48	ADV	34.4	-23.6	.33	39.61	-	-	-	-	309	115	H

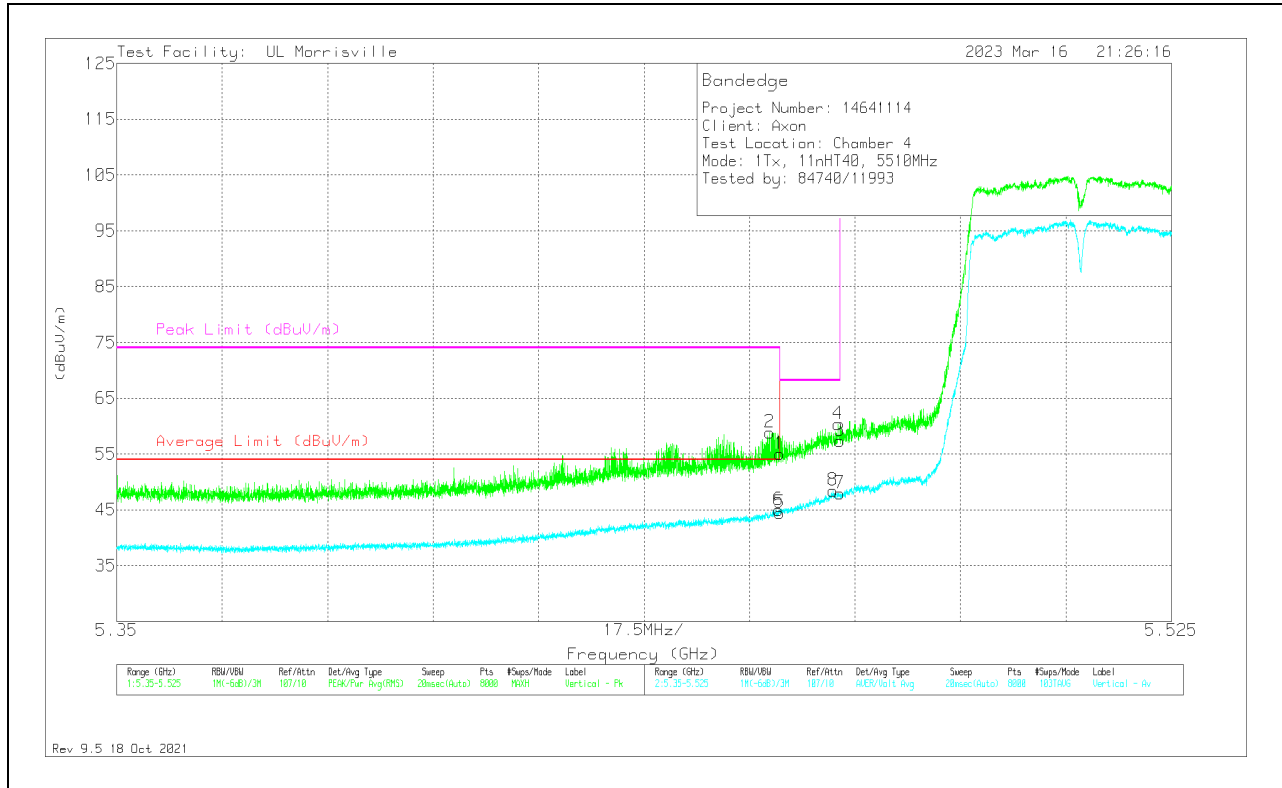
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	*** 5.45998	43.95	Pk	34.4	-23.3	0	55.05	-	-	74	-18.95	282	164	V
2	*** 5.45834	47.76	Pk	34.4	-23.3	0	58.86	-	-	74	-15.14	282	164	V
5	*** 5.45998	33.04	ADV	34.4	-23.3	.33	44.47	54	-9.53	-	-	282	164	V
6	*** 5.45976	33.57	ADV	34.4	-23.3	.33	45	54	-9.00	-	-	282	164	V
8	5.46882	37.26	ADV	34.4	-23.6	.33	48.39	-	-	-	-	282	164	V
4	5.46965	49.56	Pk	34.4	-23.6	0	60.36	-	-	68.2	-7.84	282	164	V
3	5.46998	46.58	Pk	34.4	-23.6	0	57.38	-	-	68.2	-10.82	282	164	V
7	5.46998	36.76	ADV	34.4	-23.6	.33	47.89	-	-	-	-	282	164	V

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

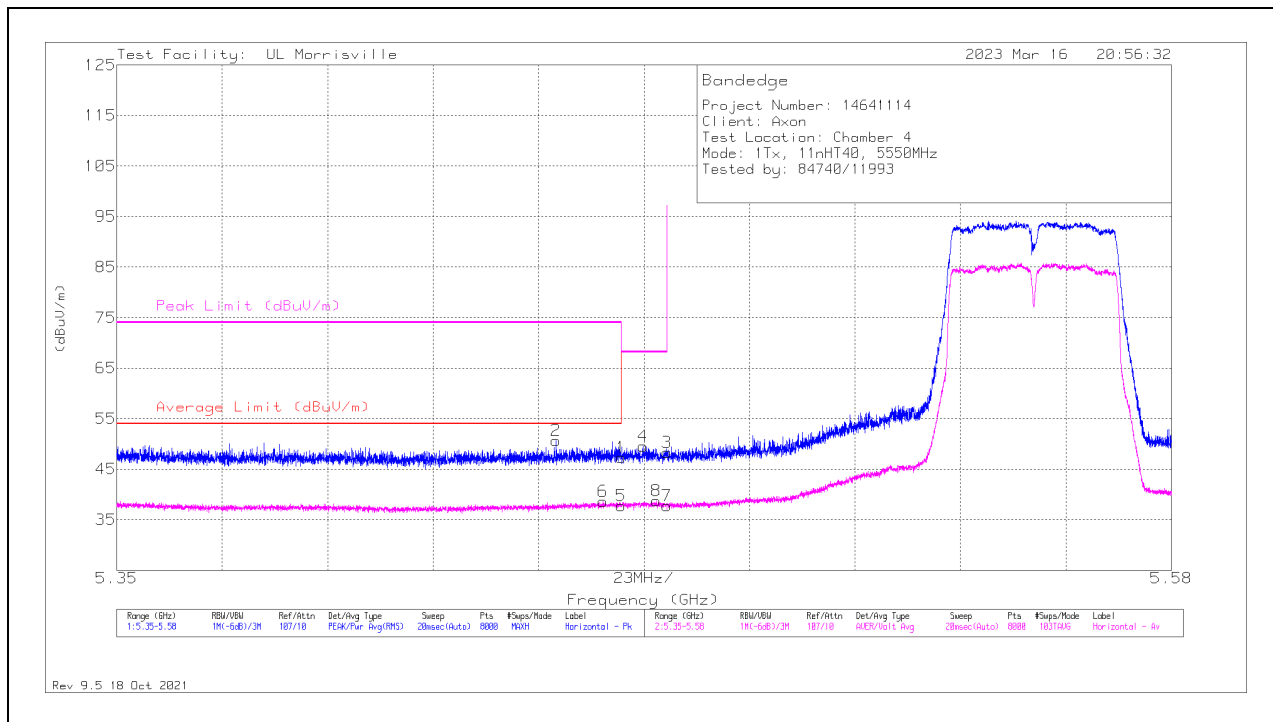
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (LOW CHANNEL 110)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	*** 5.45998	36.22	Pk	34.4	-23.3	0	47.32	-	-	74	-26.68	57	106	H
2	*** 5.44584	39.61	Pk	34.4	-23.4	0	50.61	-	-	74	-23.39	57	106	H
5	*** 5.45998	26.37	ADV	34.4	-23.3	.33	37.80	54	-16.2	-	-	57	106	H
6	*** 5.45607	27.2	ADV	34.4	-23.3	.33	38.63	54	-15.37	-	-	57	106	H
4	5.46481	38.52	Pk	34.4	-23.4	0	49.52	-	-	68.2	-18.68	57	106	H
8	5.46772	27.51	ADV	34.4	-23.5	.33	38.74	-	-	-	-	57	106	H
3	5.46999	37.53	Pk	34.4	-23.6	0	48.33	-	-	68.2	-19.87	57	106	H
7	5.46999	26.61	ADV	34.4	-23.6	.33	37.74	-	-	-	-	57	106	H

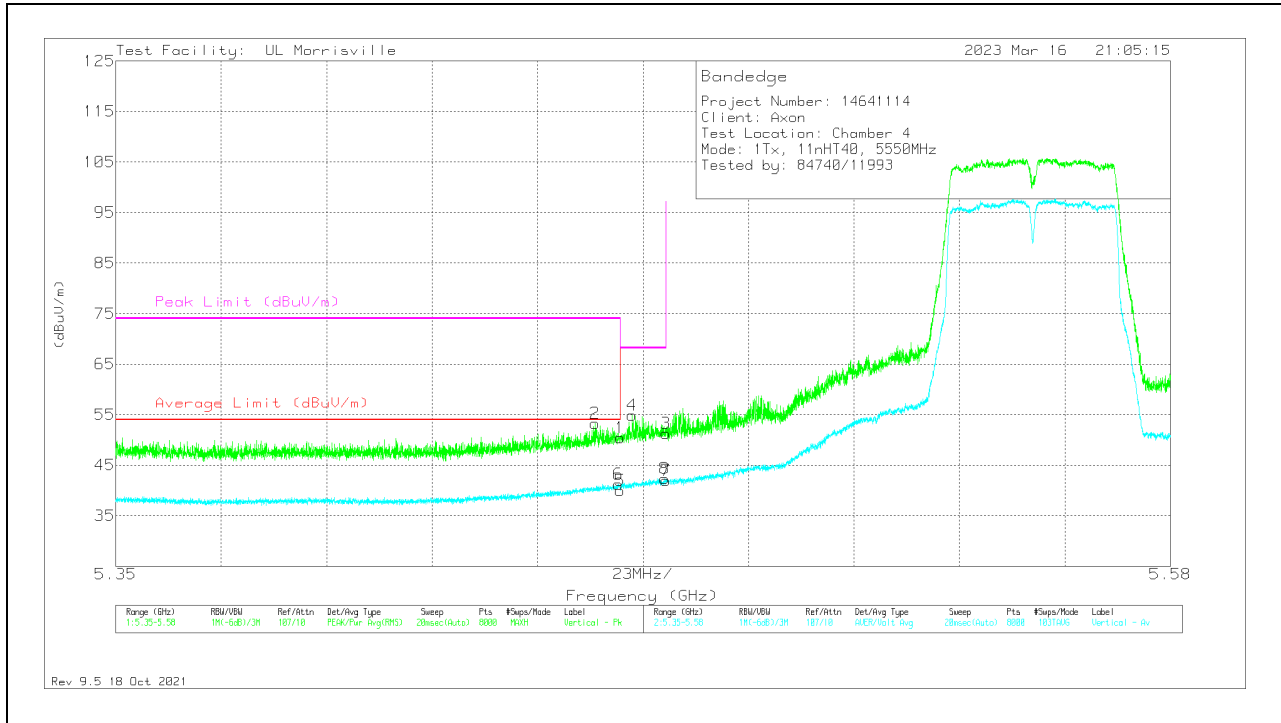
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	*** 5.45998	39.3	Pk	34.4	-23.3	0	50.4	-	-	74	-23.6	290	150	V
2	*** 5.45449	42.2	Pk	34.4	-23.3	0	53.3	-	-	74	-20.7	290	150	V
5	*** 5.45998	28.6	ADV	34.4	-23.3	.33	40.03	54	-13.97	-	-	290	150	V
6	*** 5.45964	29.79	ADV	34.4	-23.3	.33	41.22	54	-12.78	-	-	290	150	V
4	5.4626	43.92	Pk	34.4	-23.4	0	54.92	-	-	68.2	-13.28	290	150	V
8	5.46976	31.25	ADV	34.4	-23.6	.33	42.38	-	-	-	-	290	150	V
3	5.46999	40.51	Pk	34.4	-23.6	0	51.31	-	-	68.2	-16.89	290	150	V
7	5.46999	30.9	ADV	34.4	-23.6	.33	42.03	-	-	-	-	290	150	V

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

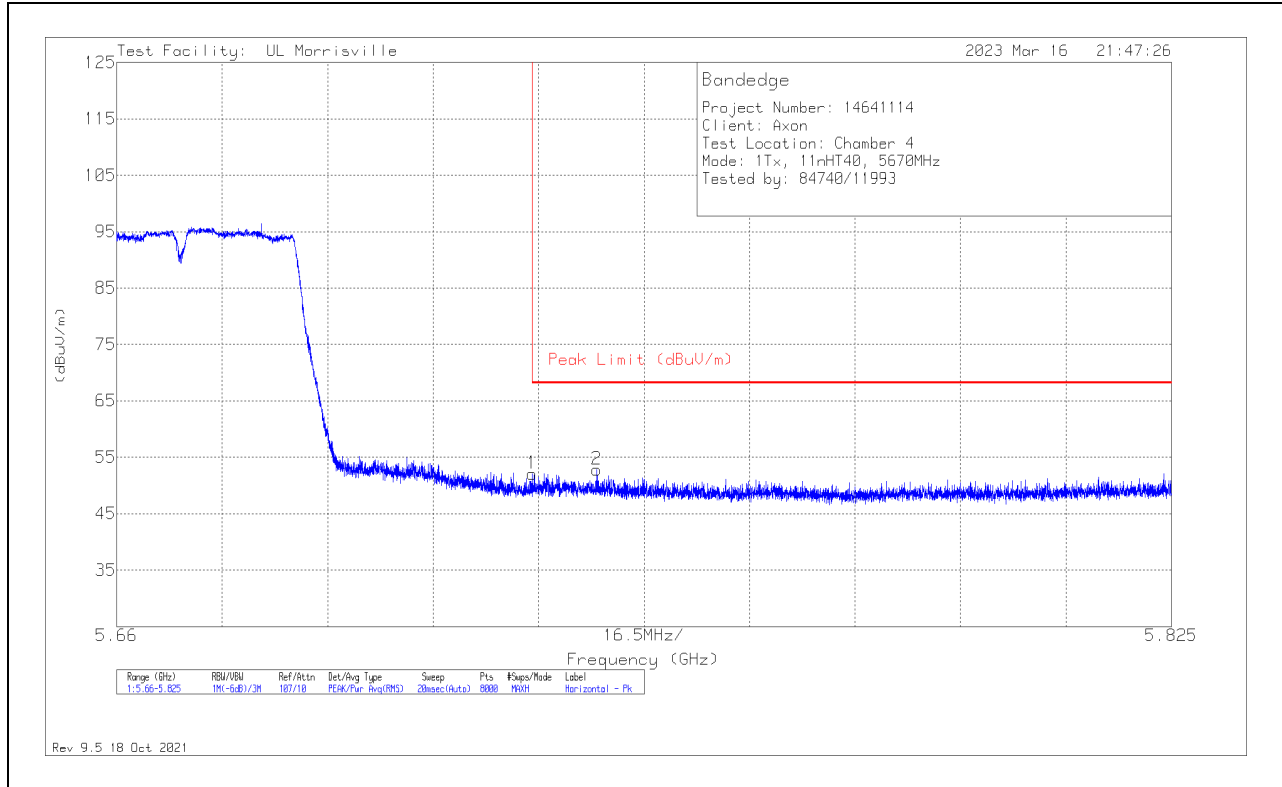
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

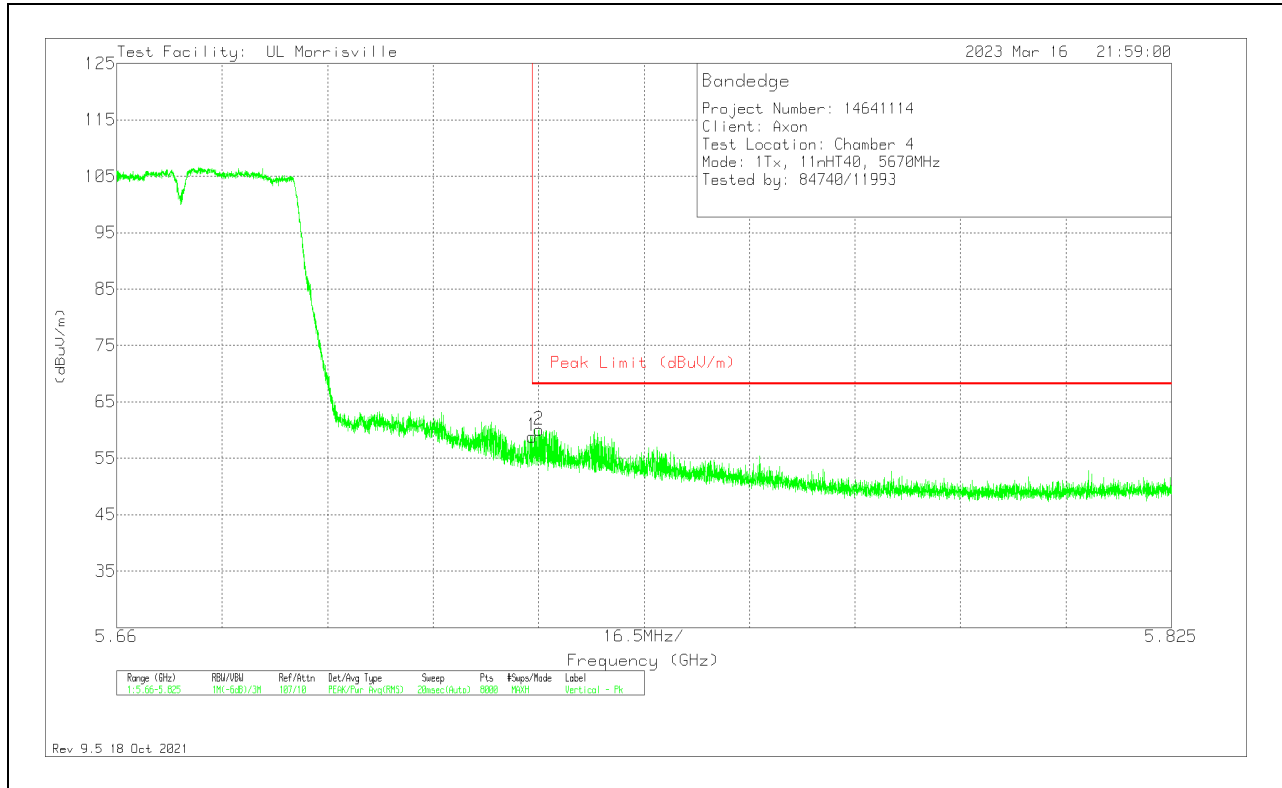
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	40.79	Pk	34.7	-23.4	52.09	68.2	-16.11	332	115	H
2	5.73513	41.12	Pk	34.7	-23	52.82	68.2	-15.38	332	115	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	47.6	Pk	34.7	-23.4	58.9	68.2	-9.3	285	156	V
2	5.72603	48.69	Pk	34.7	-23.3	60.09	68.2	-8.11	285	156	V

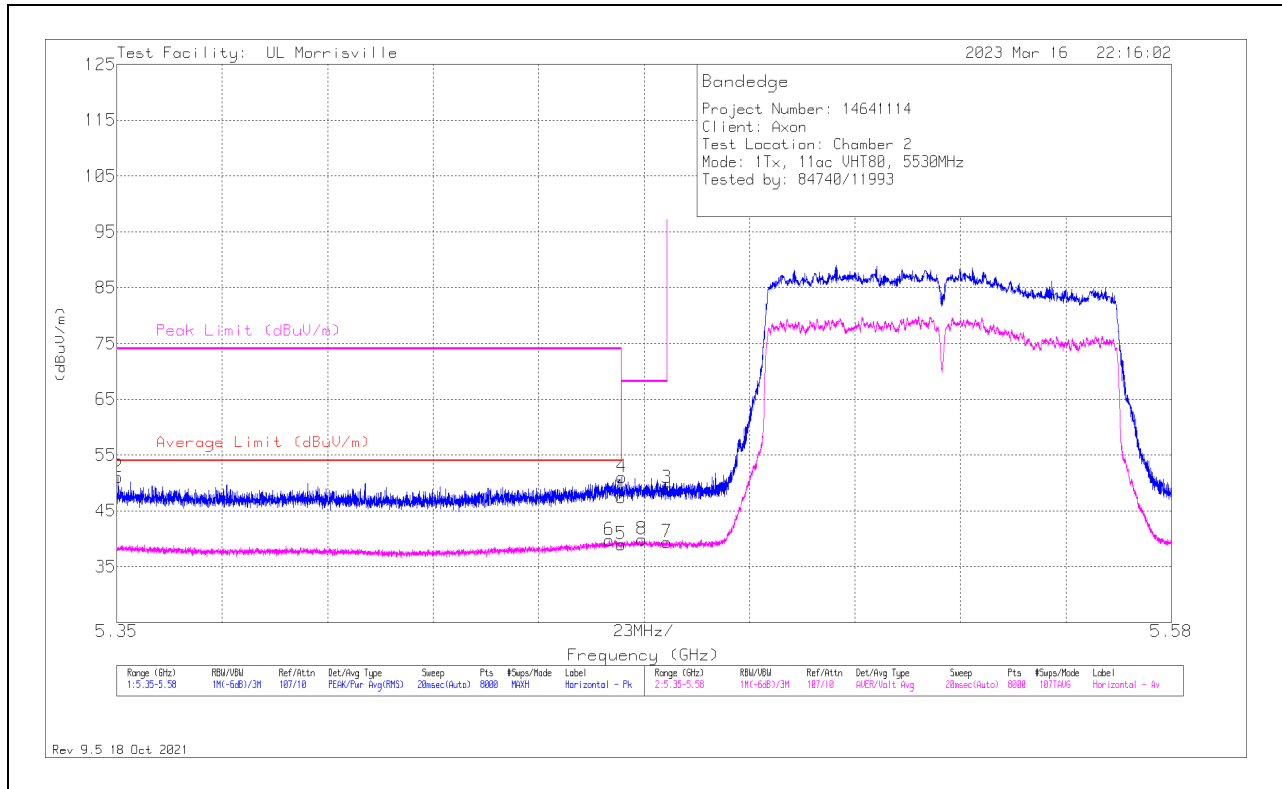
Pk - Peak detector

10.1.12. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

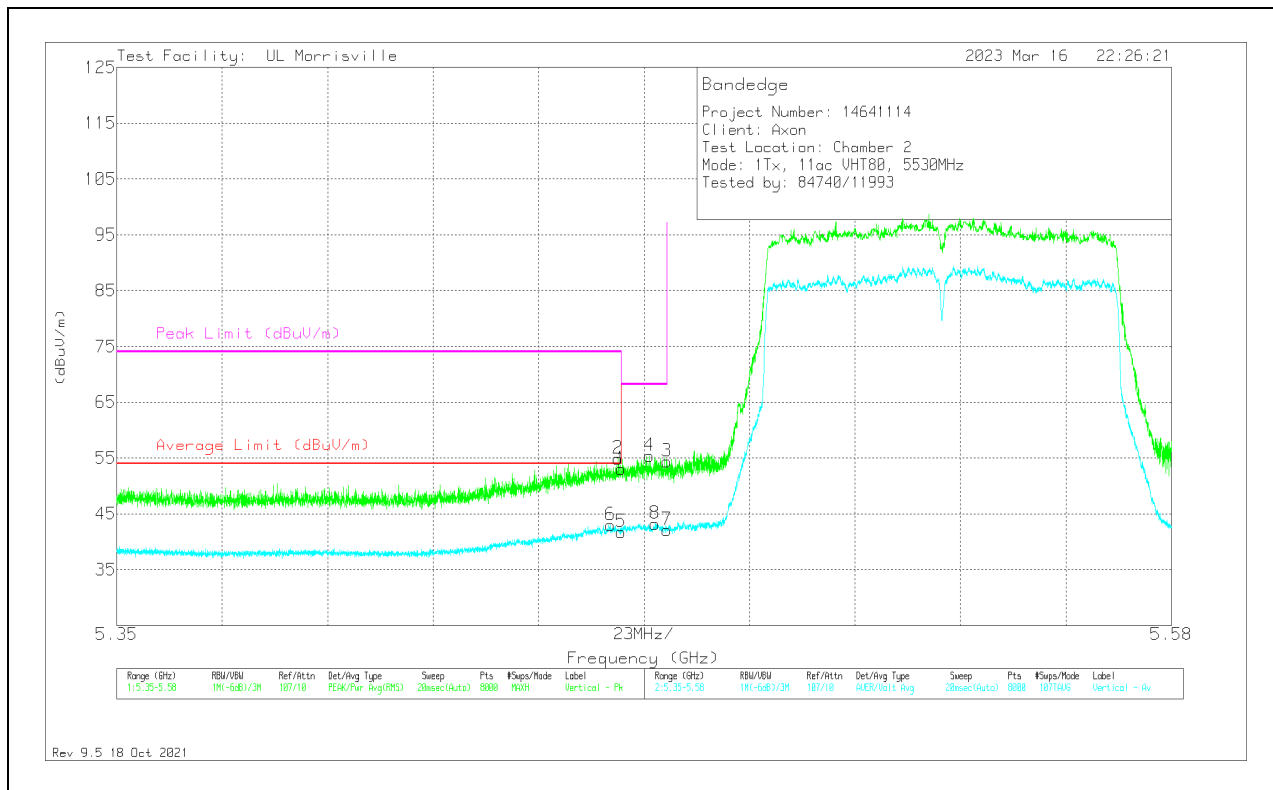
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	*** 5.45998	36.29	Pk	34.4	-23.3	0	47.39	-	-	74	-26.61	306	316	H
2	*** 5.35032	39.28	Pk	34.4	-22.7	0	50.98	-	-	74	-23.02	306	316	H
5	*** 5.45998	27.28	ADV	34.4	-23.3	.66	39.04	54	-14.96	-	-	306	316	H
6	*** 5.45745	27.98	ADV	34.4	-23.3	.66	39.74	54	-14.26	-	-	306	316	H
4	5.4601	39.99	Pk	34.4	-23.3	0	51.09	-	-	68.2	-17.11	306	316	H
8	5.46453	28.15	ADV	34.4	-23.4	.66	39.81	-	-	-	-	306	316	H
3	5.46999	38.26	Pk	34.4	-23.6	0	49.06	-	-	68.2	-19.14	306	316	H
7	5.46999	27.96	ADV	34.4	-23.6	.66	39.42	-	-	-	-	306	316	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	AT0072 (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	*** 5.45998	41.96	Pk	34.4	-23.3	0	53.06	-	-	74	-20.94	264	350	V
2	*** 5.45938	43.75	Pk	34.4	-23.3	0	54.85	-	-	74	-19.15	264	350	V
5	*** 5.45998	29.98	ADV	34.4	-23.3	.66	41.74	54	-12.26	-	-	264	350	V
6	*** 5.45768	31.18	ADV	34.4	-23.3	.66	42.94	54	-11.06	-	-	264	350	V
4	5.46617	44.51	Pk	34.4	-23.5	0	55.41	-	-	68.2	-12.79	264	350	V
8	5.4674	31.7	ADV	34.4	-23.5	.66	43.26	-	-	-	-	264	350	V
3	5.46999	43.58	Pk	34.4	-23.6	0	54.38	-	-	68.2	-13.82	264	350	V
7	5.46999	30.68	ADV	34.4	-23.6	.66	42.14	-	-	-	-	264	350	V

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

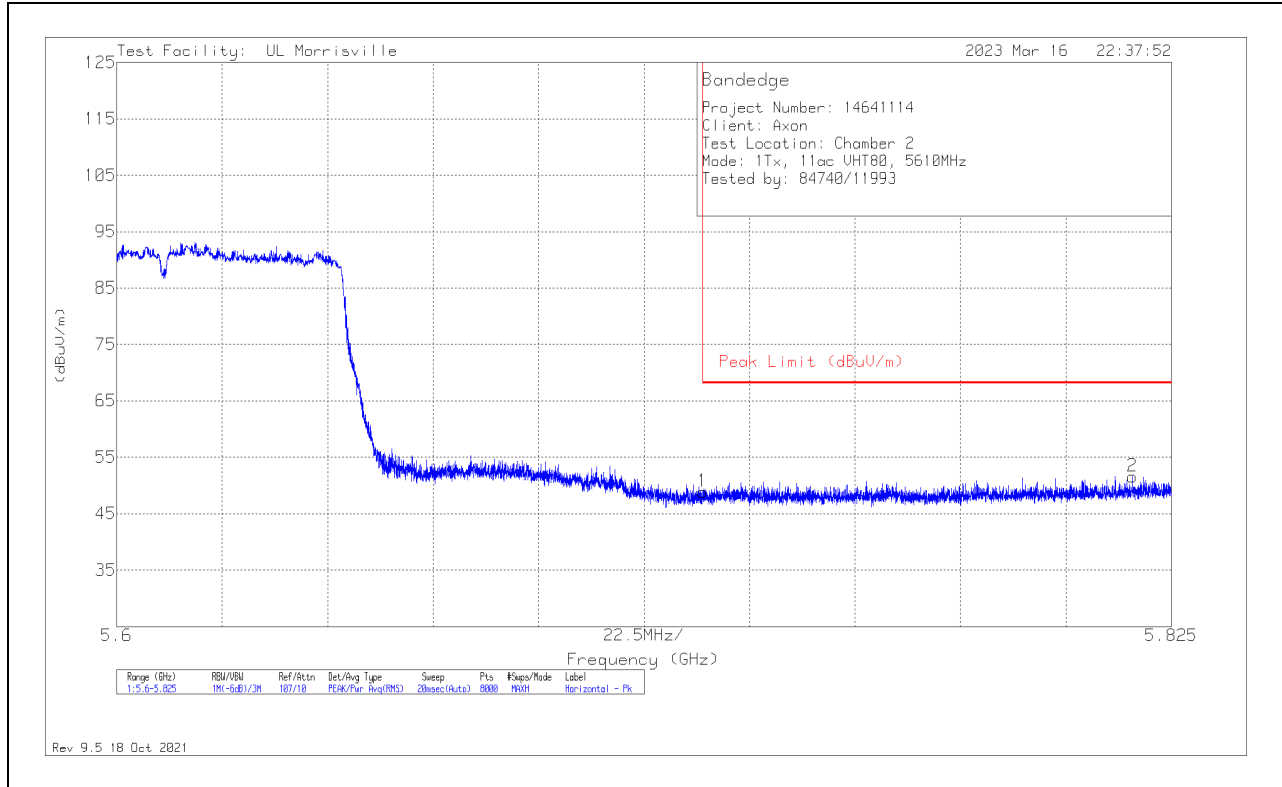
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

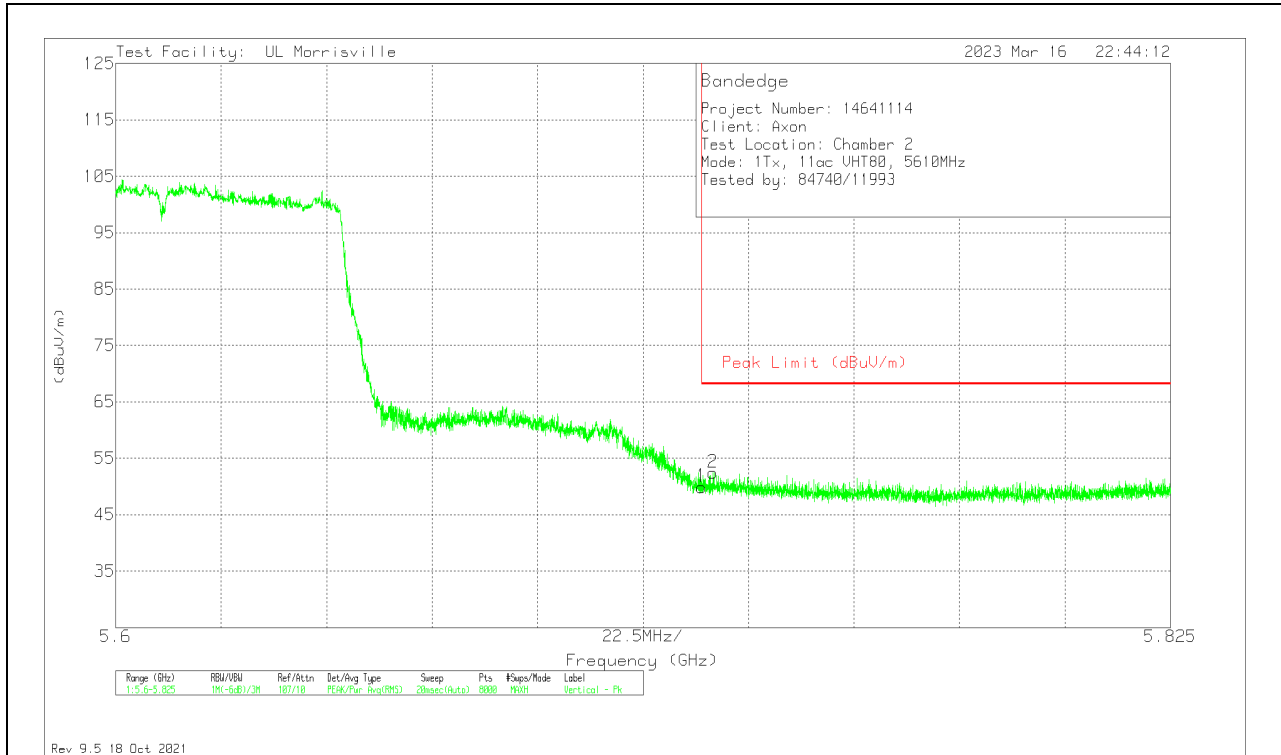
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	37.57	Pk	34.7	-23.4	48.87	68.2	-19.33	357	384	H
2	5.81676	39.76	Pk	34.8	-23	51.56	68.2	-16.64	357	384	H

Pk - Peak detector

VERTICAL RESULT



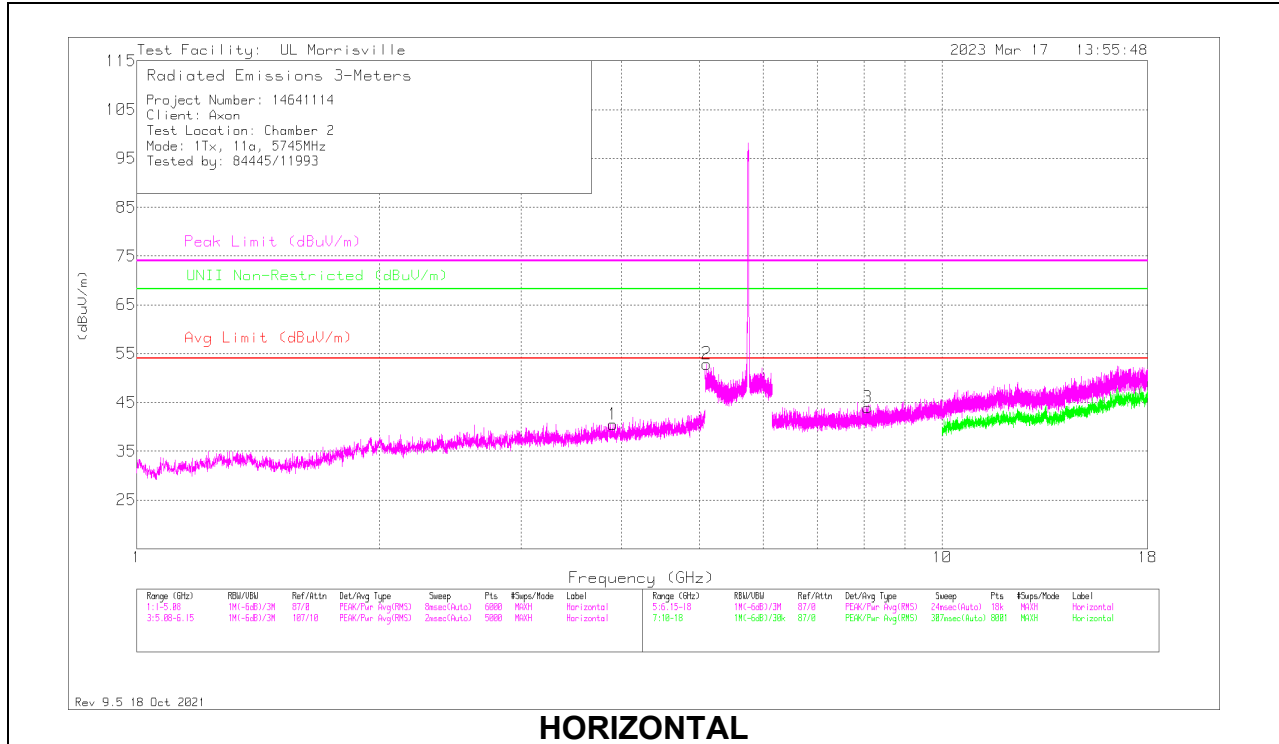
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	38.63	Pk	34.7	-23.4	49.93	68.2	-18.27	286	137	V
2	5.7274	40.98	Pk	34.7	-23.2	52.48	68.2	-15.72	286	137	V

Pk - Peak detector

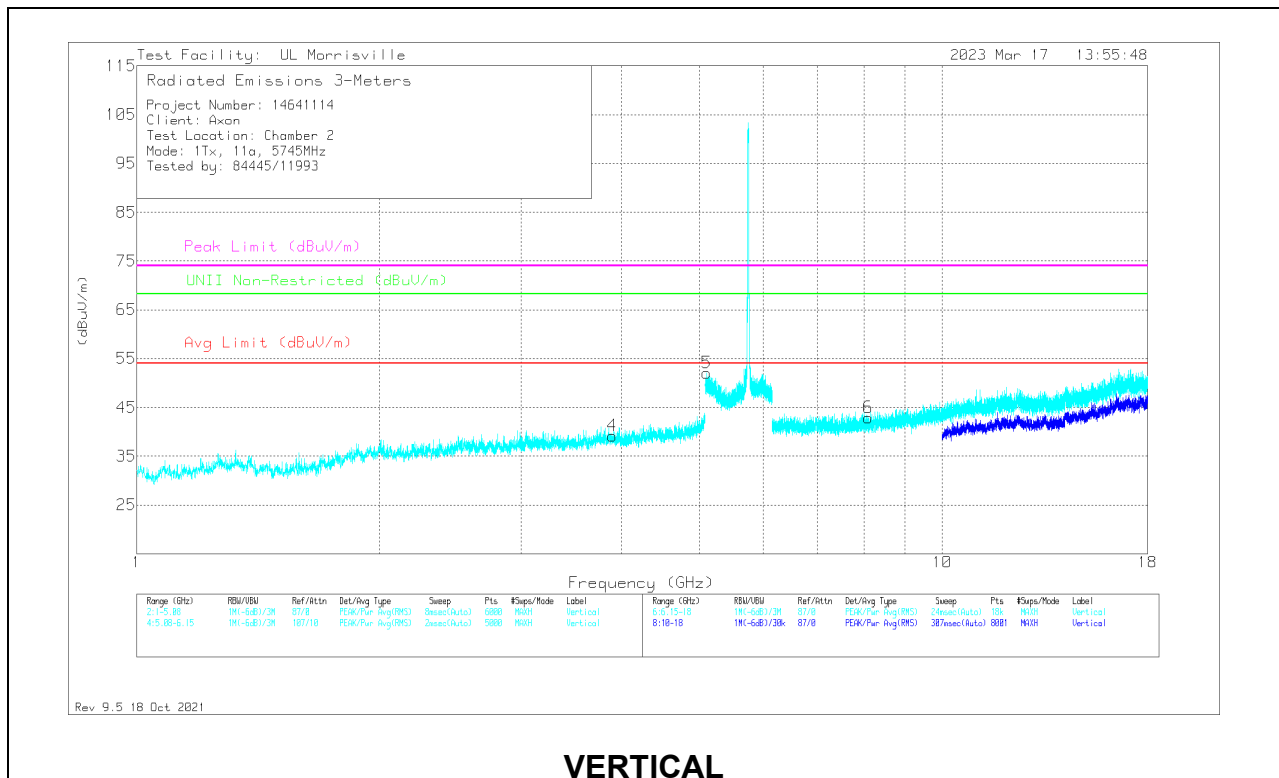
10.1.13. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL RESULTS



HORIZONTAL



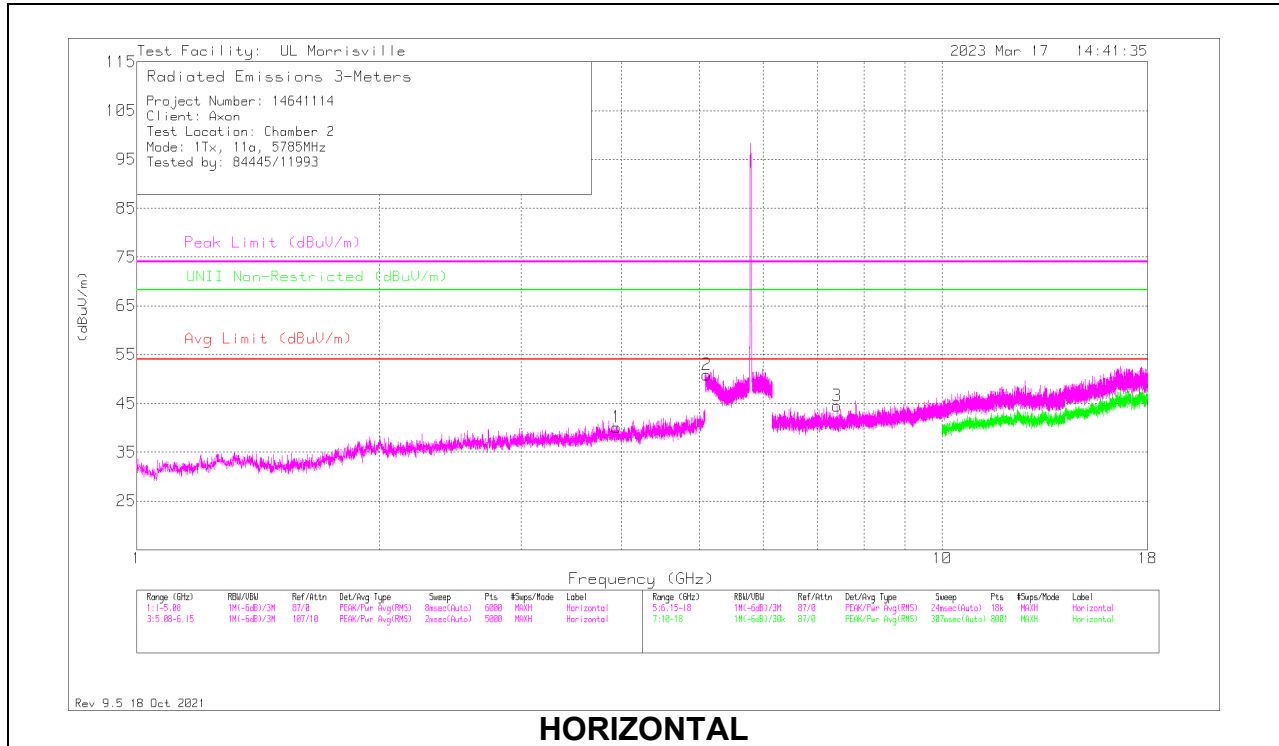
VERTICAL

RADIATED EMISSIONS

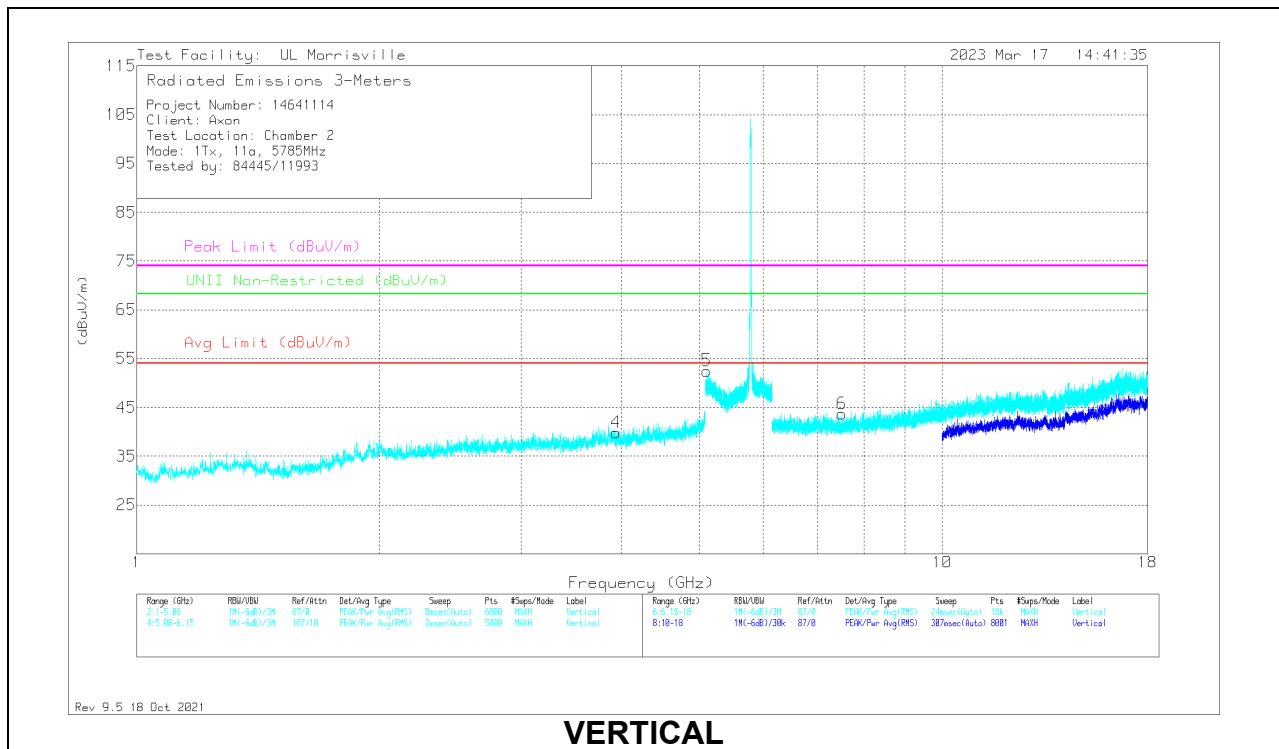
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT007 2 (dB/m)	Gain/Loss (dB)	DC Cor (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.90408	39.03	Pk	33.4	-31.9	0	40.53	54	-13.47	74	-33.47	-	-	0-360	199	H
4	* ** 3.89456	37.81	Pk	33.4	-32	0	39.21	54	-14.79	74	-34.79	-	-	0-360	101	V
2	* ** 5.10231	40.74	PK-U	34.2	-22.3	0	52.64	-	-	74	-21.36	-	-	76	225	H
	* ** 5.10071	28.16	ADV	34.2	-22.4	.45	40.41	54	-13.59	-	-	-	-	76	225	H
5	* ** 5.10583	41.14	PK-U	34.2	-22.3	0	53.04	-	-	74	-20.96	-	-	305	211	V
	* ** 5.10541	28.09	ADV	34.2	-22.3	.45	40.44	54	-13.56	-	-	-	-	305	211	V
3	* ** 8.08495	35.19	Pk	35.9	-27.1	0	43.99	54	-10.01	74	-30.01	-	-	0-360	101	H
6	* ** 8.09384	34.11	Pk	35.9	-27.1	0	42.91	54	-11.09	74	-31.09	-	-	0-360	199	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 PK-U - Maximum Peak
 ADV - Linear Voltage Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 3.94217	38.24	Pk	33.5	-31.6	0	40.14	54	-13.86	74	-33.86	-	-	0-360	101	H
4	*** 3.93877	38	Pk	33.5	-31.7	0	39.8	54	-14.2	74	-34.2	-	-	0-360	199	V
2	*** 5.10319	41.19	PK-U	34.2	-22.3	0	53.09	-	-	74	-20.91	-	-	162	377	H
	*** 5.10285	28.19	ADV	34.2	-22.3	.45	40.54	54	-13.46	-	-	-	-	162	377	H
5	*** 5.09792	41.05	PK-U	34.2	-22.5	0	52.75	-	-	74	-21.25	-	-	162	101	V
	*** 5.09851	28.64	ADV	34.2	-22.5	.45	40.79	54	-13.21	-	-	-	-	162	101	V
3	*** 7.40222	36.76	Pk	35.6	-27.9	0	44.46	54	-9.54	74	-29.54	-	-	0-360	200	H
6	*** 7.50789	35.49	Pk	35.6	-27.4	0	43.69	54	-10.31	74	-30.31	-	-	0-360	200	V

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

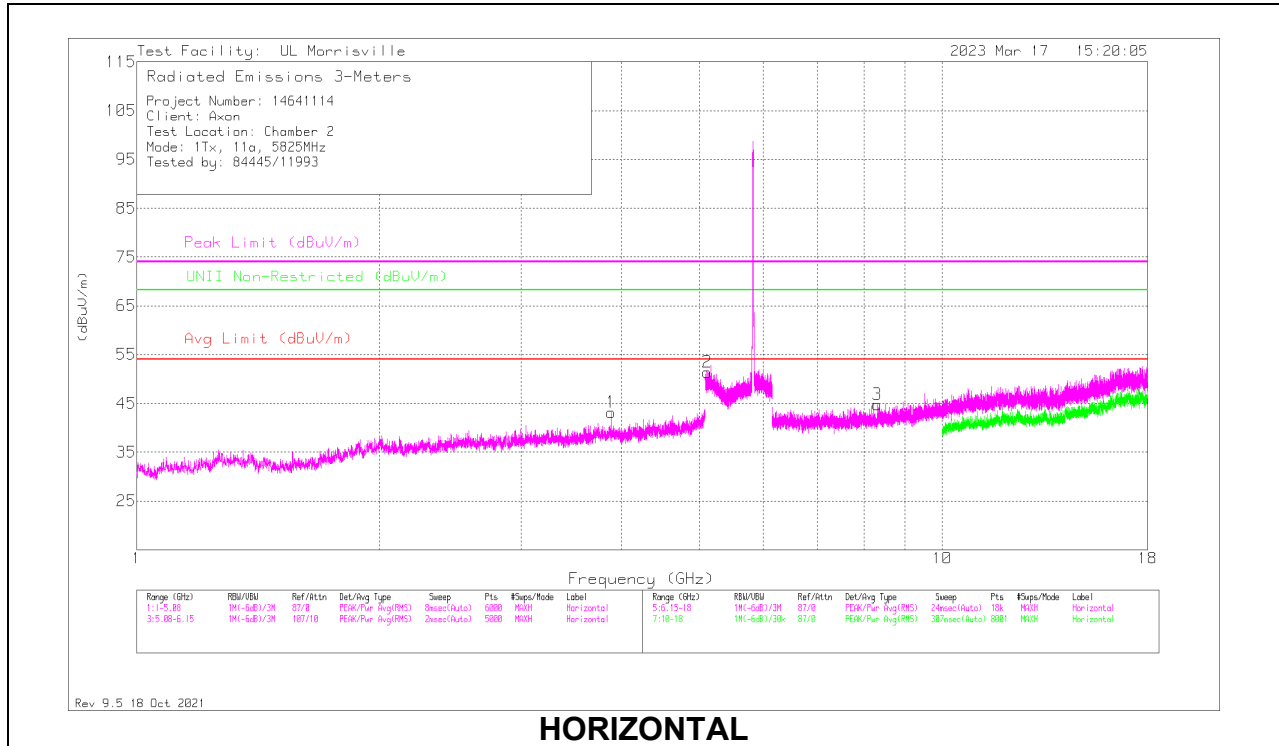
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

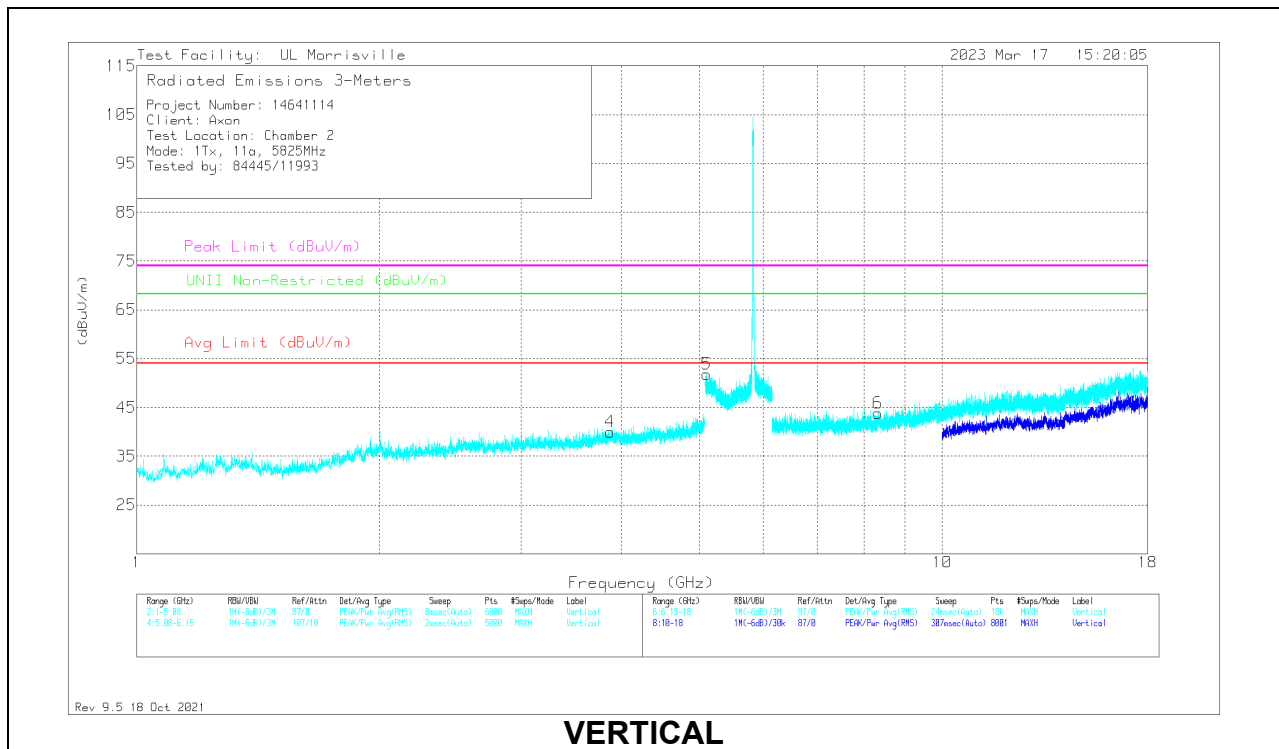
PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 3.883	41.72	Pk	33.4	-32	0	43.12	54	-10.88	74	-30.88	-	-	0-360	101	H
4	*** 3.87144	38.55	Pk	33.4	-32	0	39.95	54	-14.05	74	-34.05	-	-	0-360	101	V
2	*** 5.10722	41.27	PK-U	34.2	-22.3	0	53.17	-	-	74	-20.83	-	-	158	162	H
	*** 5.10855	28.06	ADV	34.2	-22.3	.45	40.41	54	-13.59	-	-	-	-	158	162	H
5	*** 5.10158	41.48	PK-U	34.2	-22.3	0	53.38	-	-	74	-20.62	-	-	4	346	V
	*** 5.10001	28.05	ADV	34.2	-22.4	.45	40.3	54	-13.7	-	-	-	-	4	346	V
3	*** 8.30945	35.5	Pk	35.8	-26.5	0	44.8	54	-9.2	74	-29.2	-	-	0-360	200	H
6	*** 8.32525	35.01	Pk	35.8	-27	0	43.81	54	-10.19	74	-30.19	-	-	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

PK-U - Maximum Peak

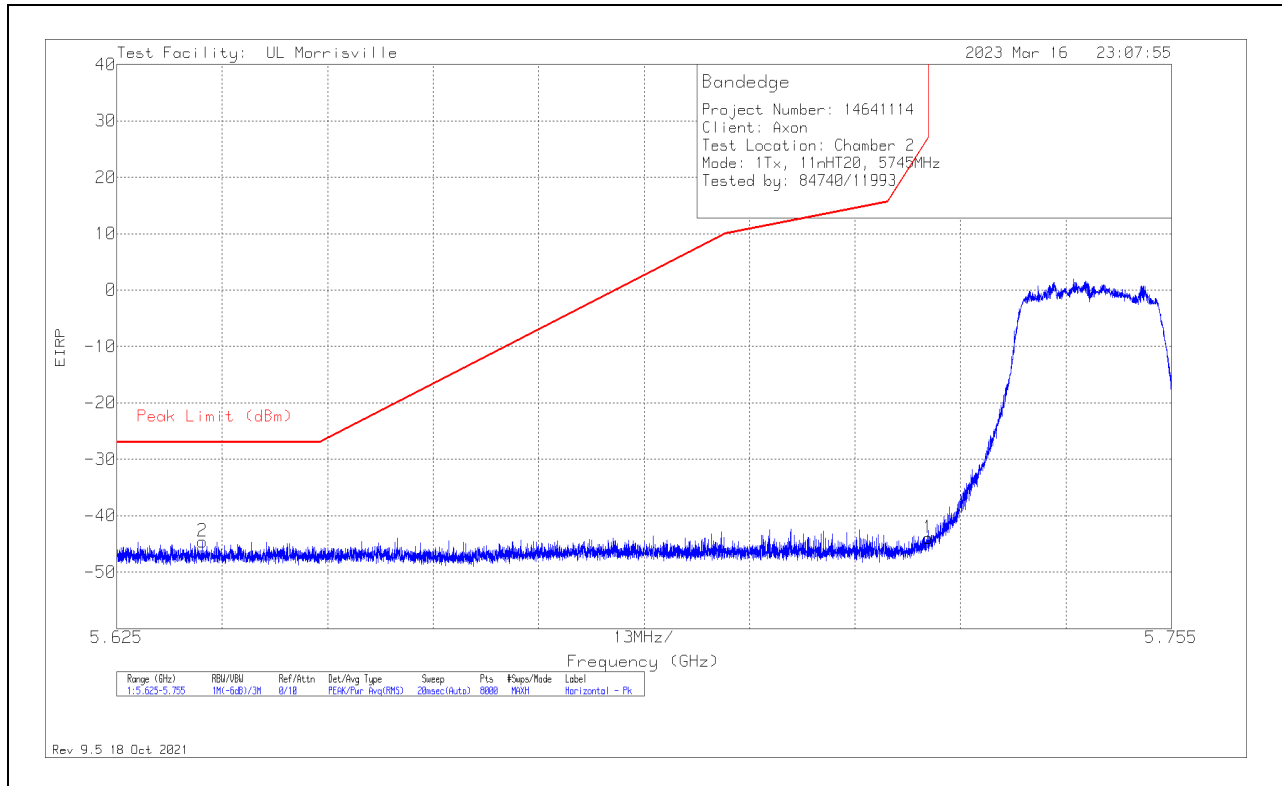
ADV - Linear Voltage Average

10.1.14. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

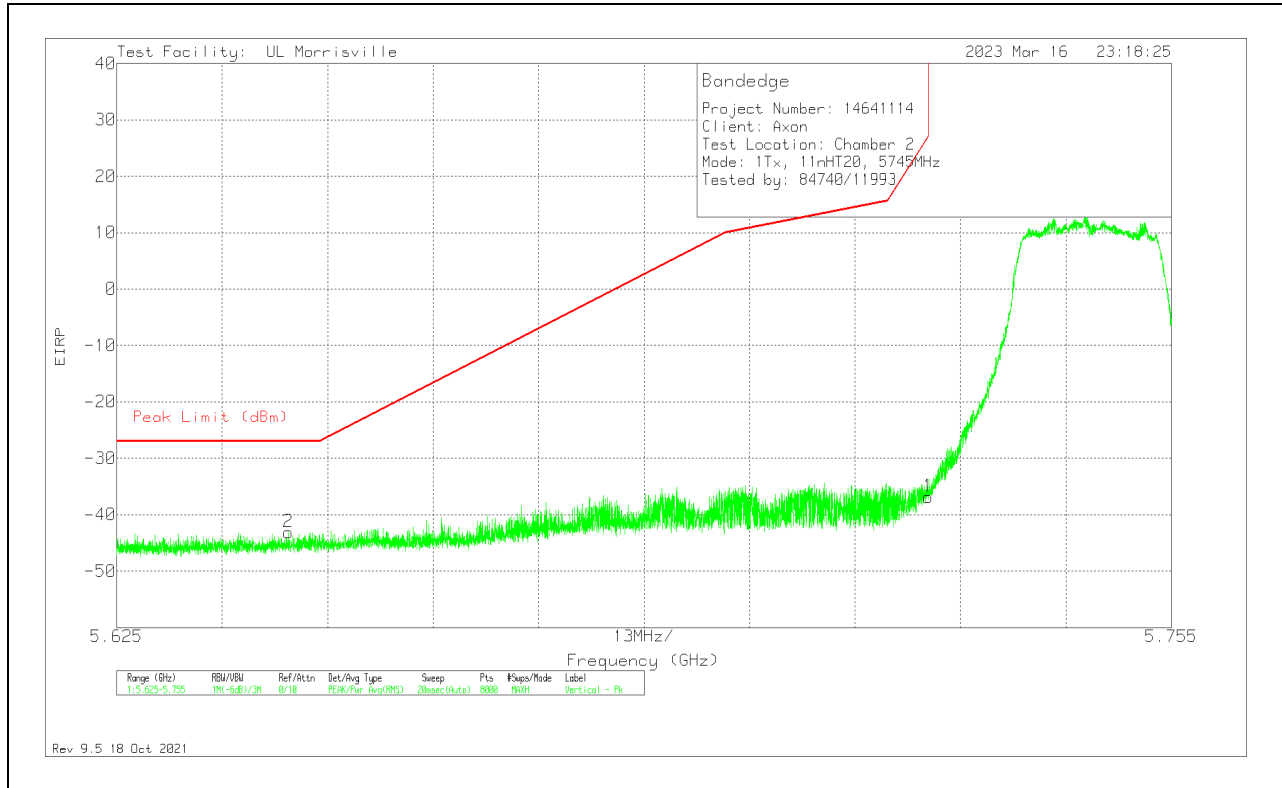
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63558	-67.65	Pk	34.7	-23.4	11.8	-44.55	-27	-17.55	331	143	H
1	5.725	-67.07	Pk	34.7	-23.4	11.8	-43.97	27	-70.97	331	143	H

Pk - Peak detector

VERTICAL RESULT

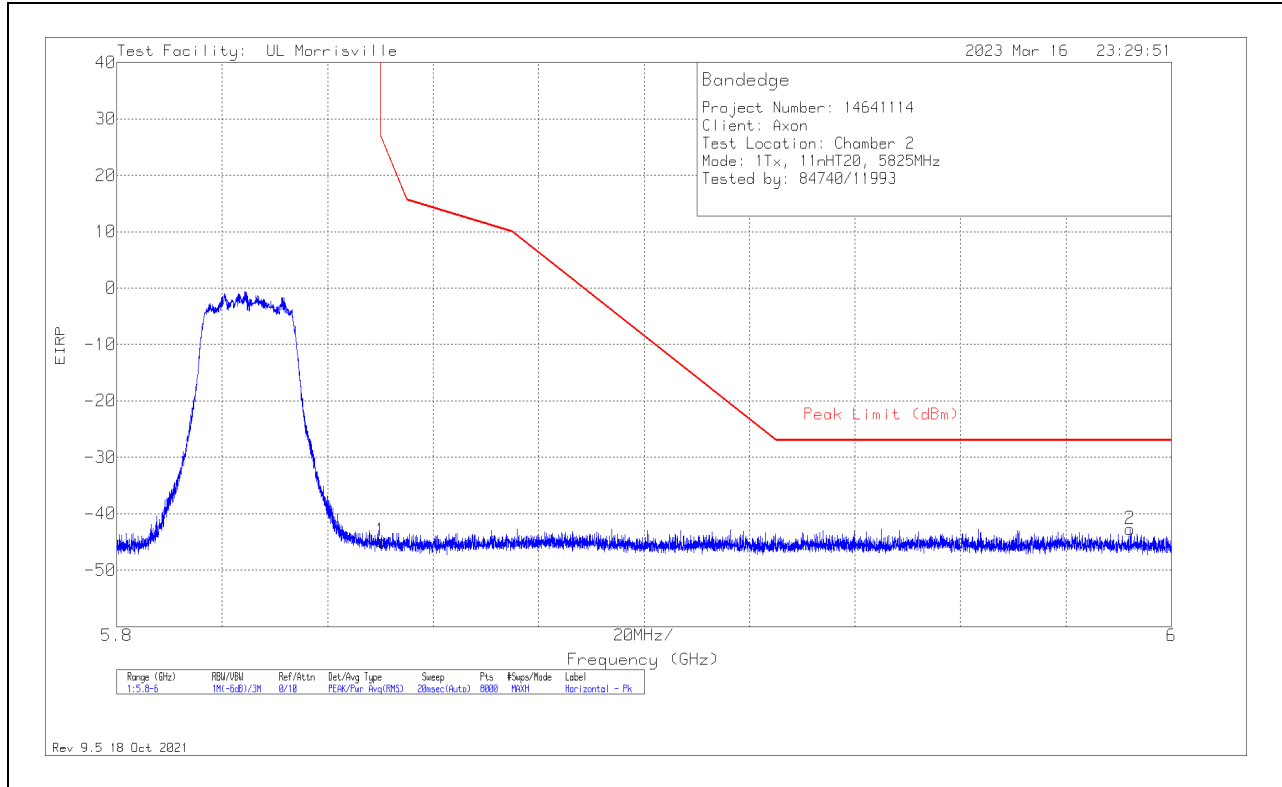


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64614	-66.21	Pk	34.7	-23.4	11.8	-43.11	-27	-16.11	285	168	V
1	5.725	-59.94	Pk	34.7	-23.4	11.8	-36.84	27	-63.84	285	168	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

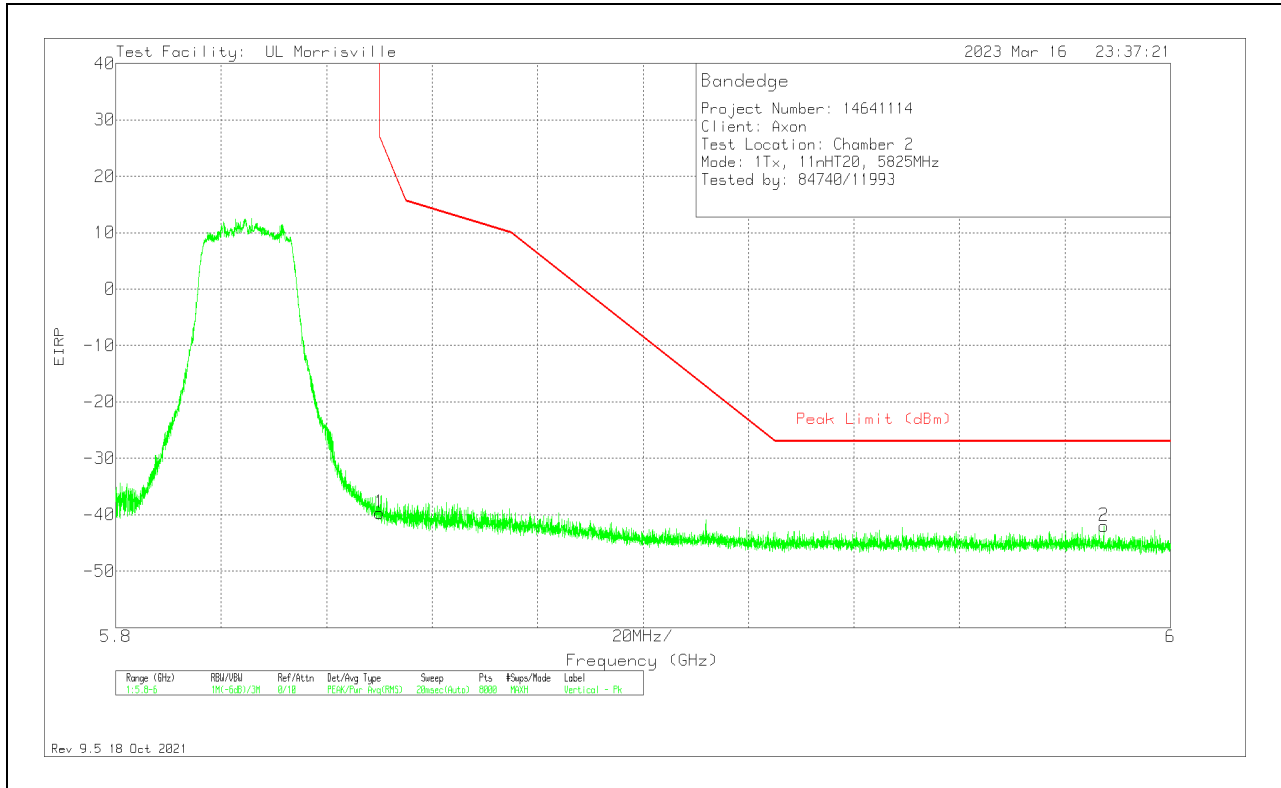
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-68.66	Pk	34.9	-22.9	11.8	-44.86	26.99	-71.85	326	140	H
2	5.99215	-67.19	Pk	35	-22.4	11.8	-42.79	-27	-15.79	326	140	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-63.42	Pk	34.9	-22.9	11.8	-39.62	26.99	-66.61	283	148	V
2	5.9874	-66.43	Pk	35	-22.4	11.8	-42.03	-27	-15.03	283	148	V

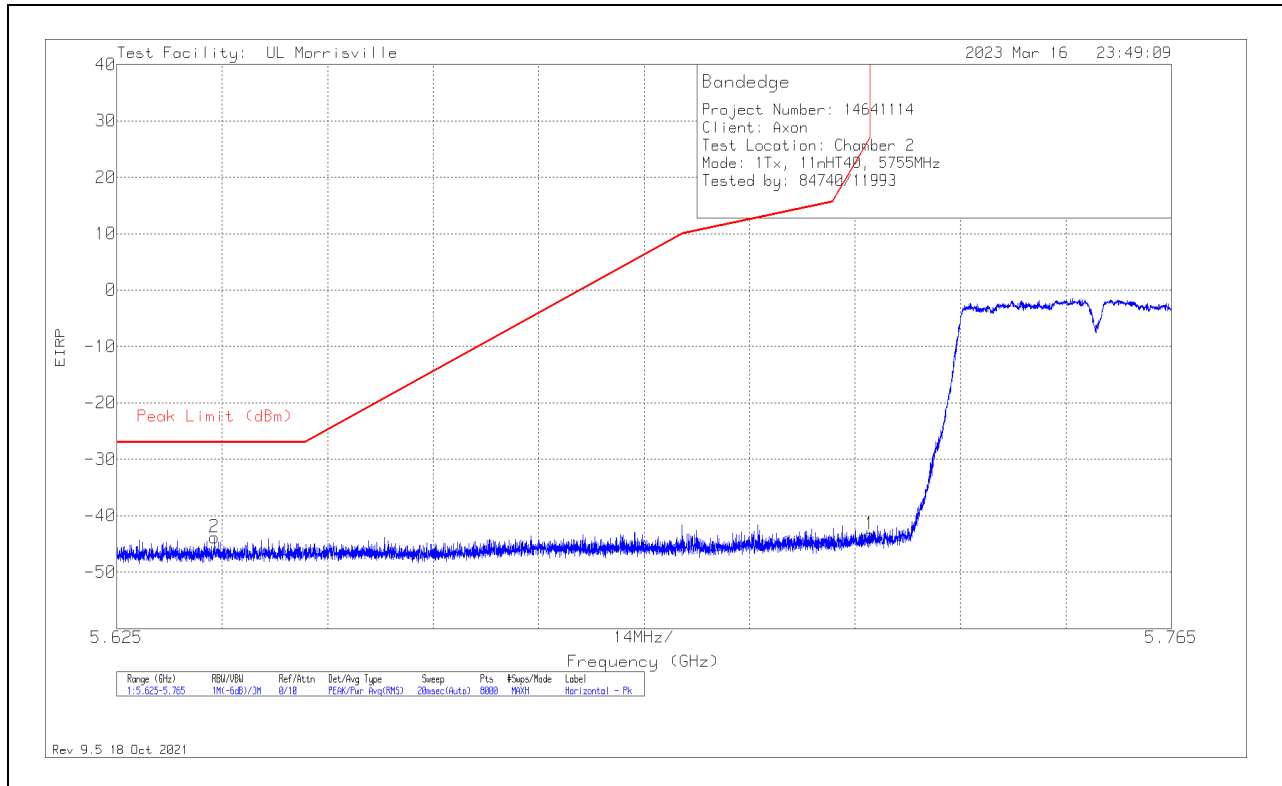
Pk - Peak detector

10.1.15. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

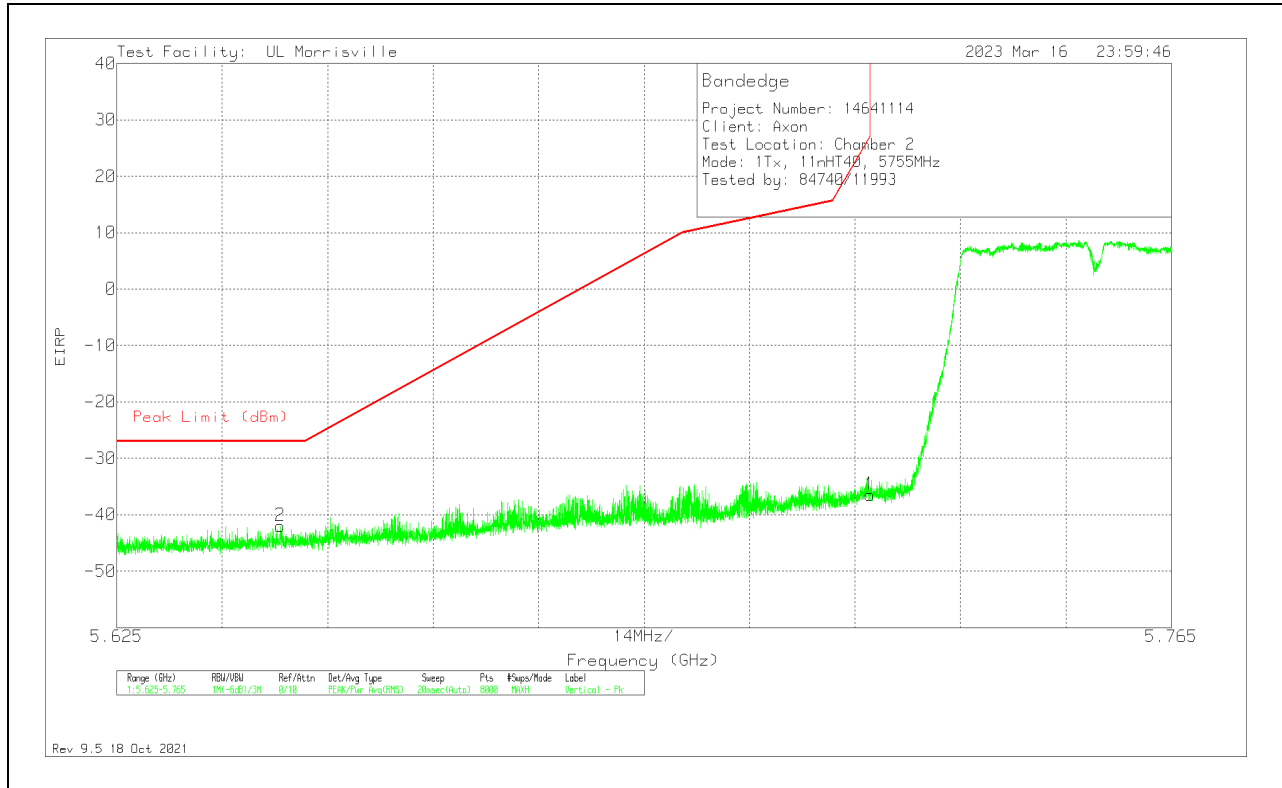
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63797	-66.95	Pk	34.7	-23.4	11.8	-43.85	-27	-16.85	332	117	H
1	5.72499	-66.5	Pk	34.7	-23.4	11.8	-43.4	26.97	-70.37	332	117	H

Pk - Peak detector

VERTICAL RESULT

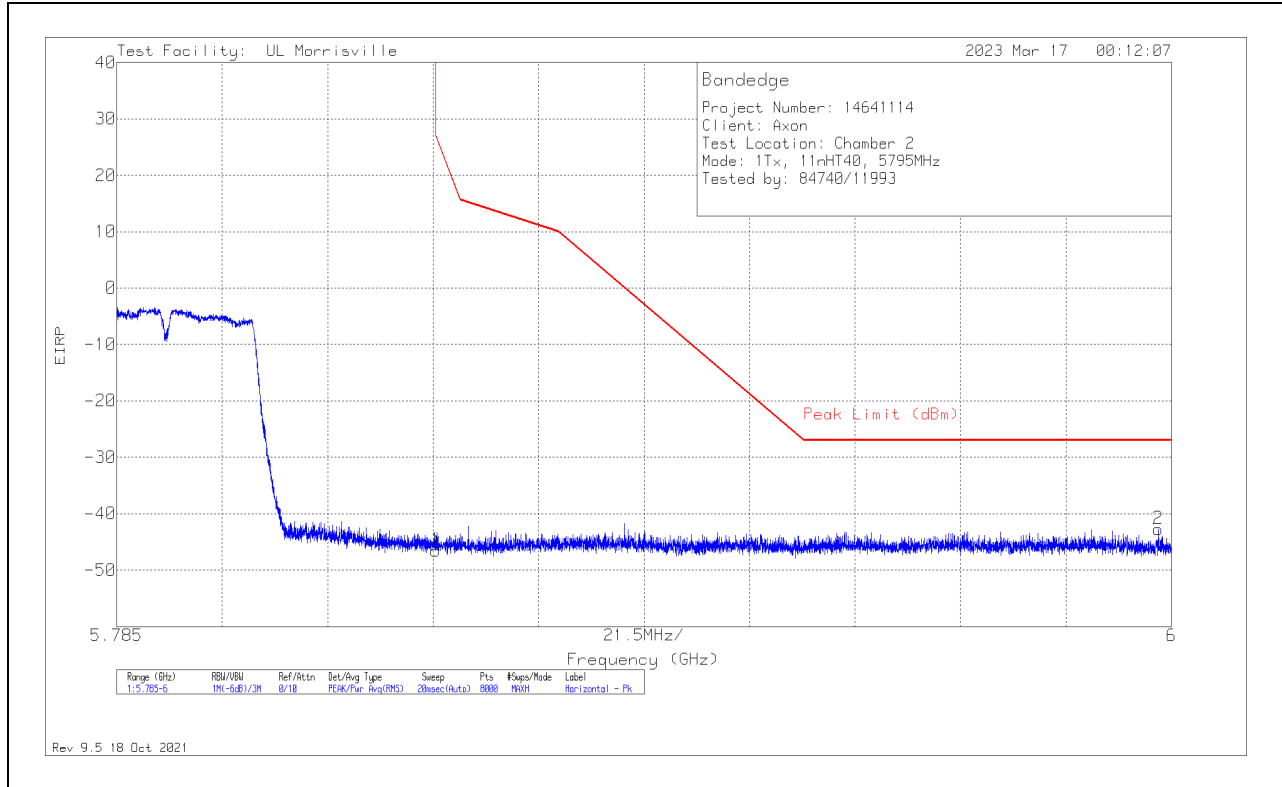


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64672	-65.14	Pk	34.7	-23.4	11.8	-42.04	-27	-15.04	286	134	V
1	5.72499	-59.61	Pk	34.7	-23.4	11.8	-36.51	26.97	-63.48	286	134	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

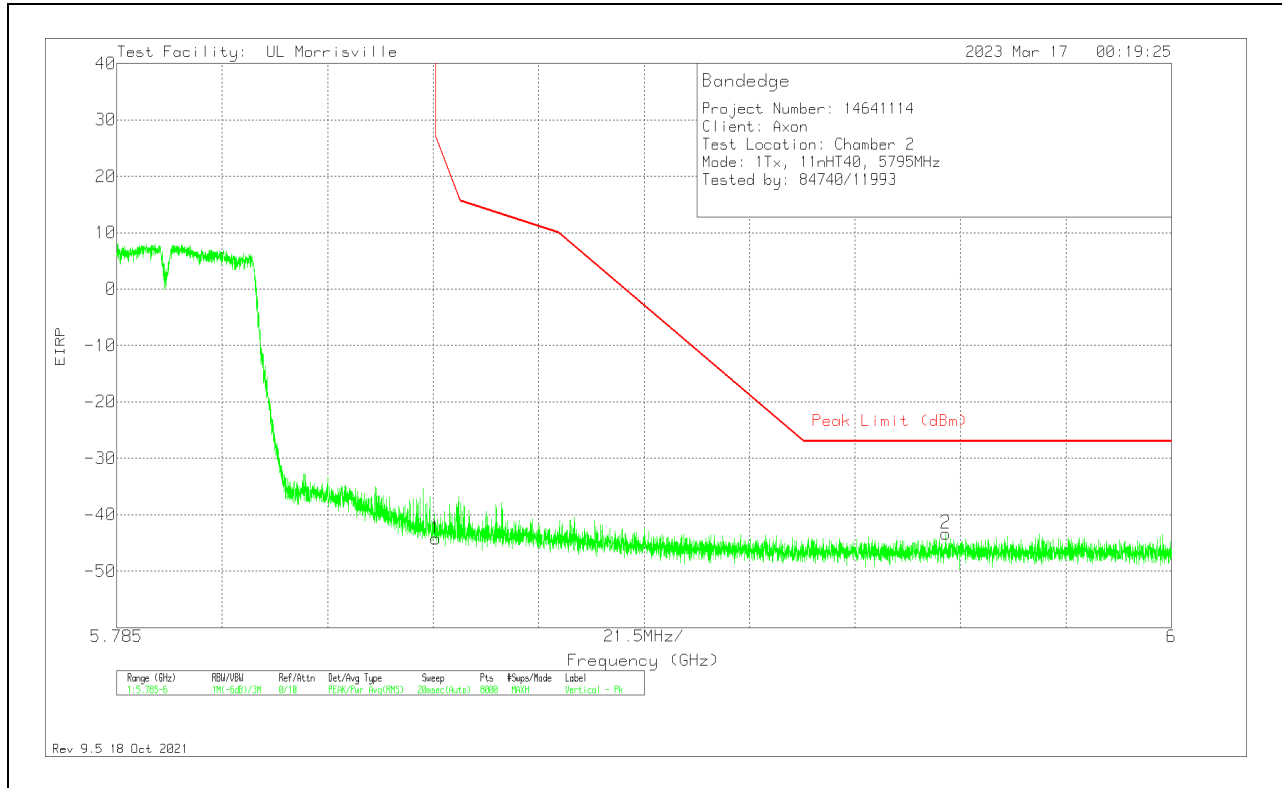
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-70.39	Pk	34.9	-22.9	11.8	-46.59	26.96	-73.55	307	109	H
2	5.99736	-67.08	Pk	35	-22.5	11.8	-42.78	-27	-15.78	307	109	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-67.96	Pk	34.9	-22.9	11.8	-44.16	26.96	-71.12	285	139	V
2	5.95404	-67.6	Pk	35	-22.5	11.8	-43.3	-27	-16.3	285	139	V

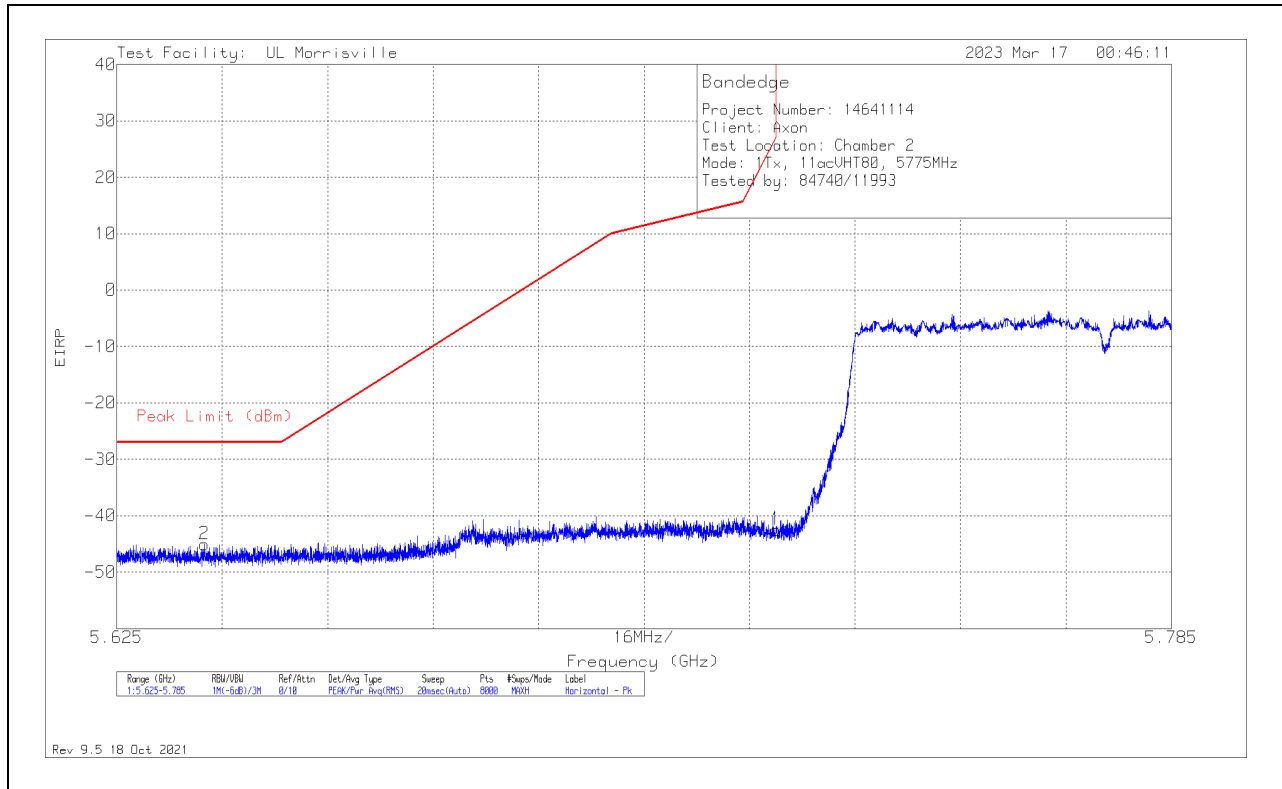
Pk - Peak detector

10.1.16. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

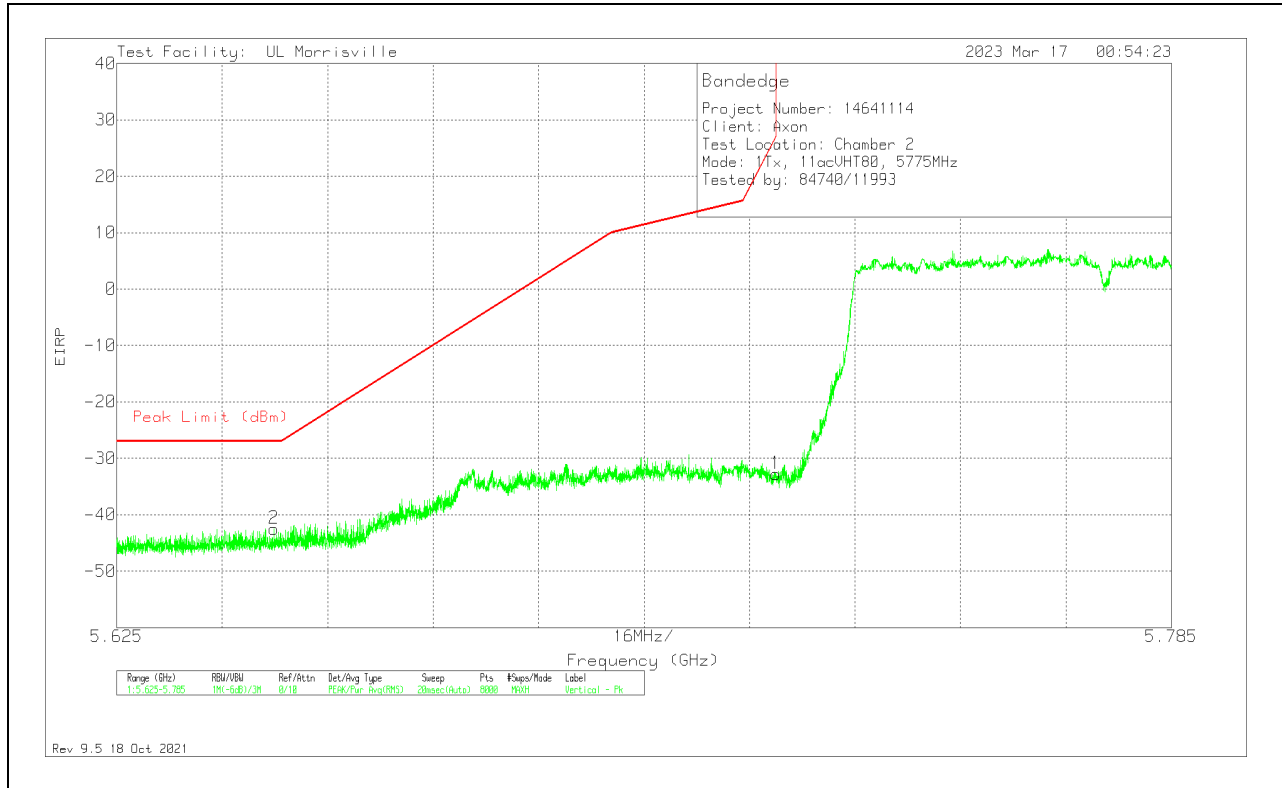
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.6383	-68.18	Pk	34.7	-23.4	11.8	-45.08	-27	-18.08	331	112	H
1	5.725	-65.54	Pk	34.7	-23.4	11.8	-42.44	26.99	-69.43	331	112	H

Pk - Peak detector

VERTICAL RESULT

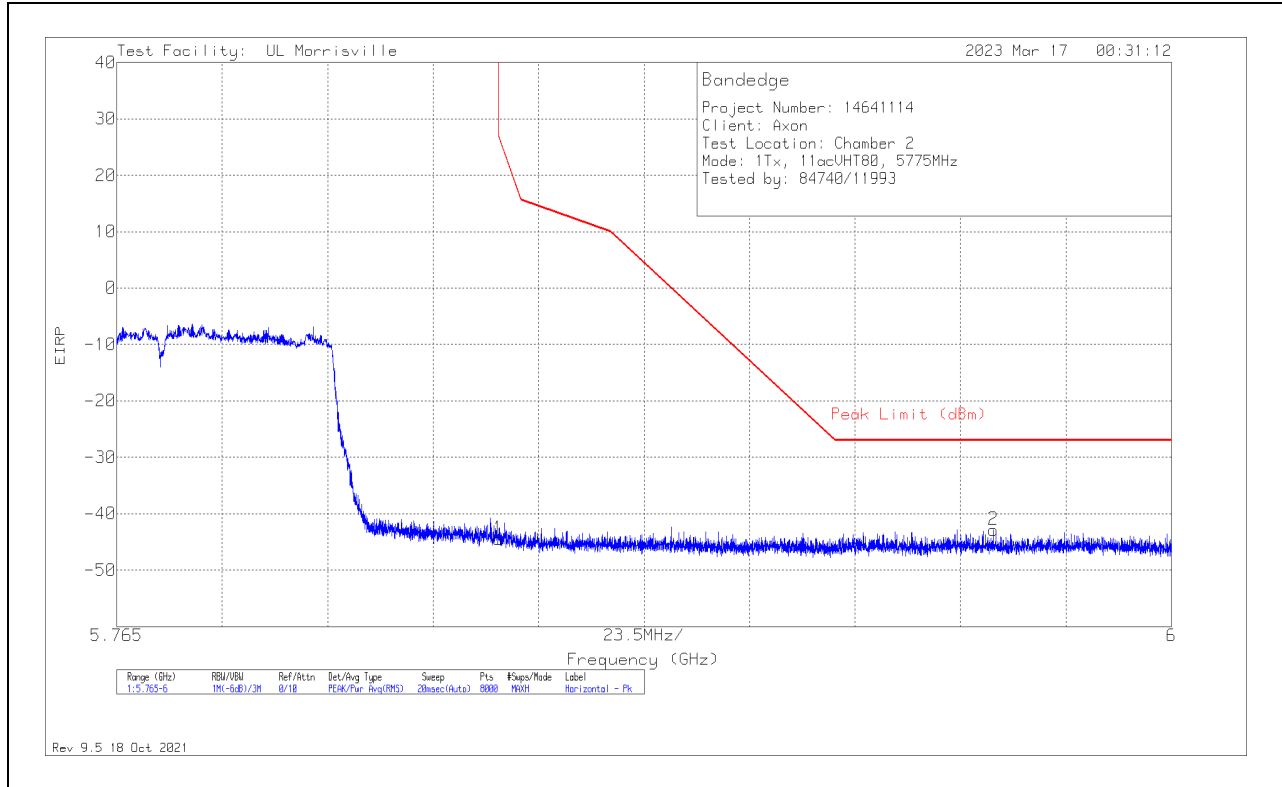


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64884	-65.72	Pk	34.7	-23.3	11.8	-42.52	-27	-15.52	285	142	V
1	5.725	-55.92	Pk	34.7	-23.4	11.8	-32.82	26.99	-59.81	285	142	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

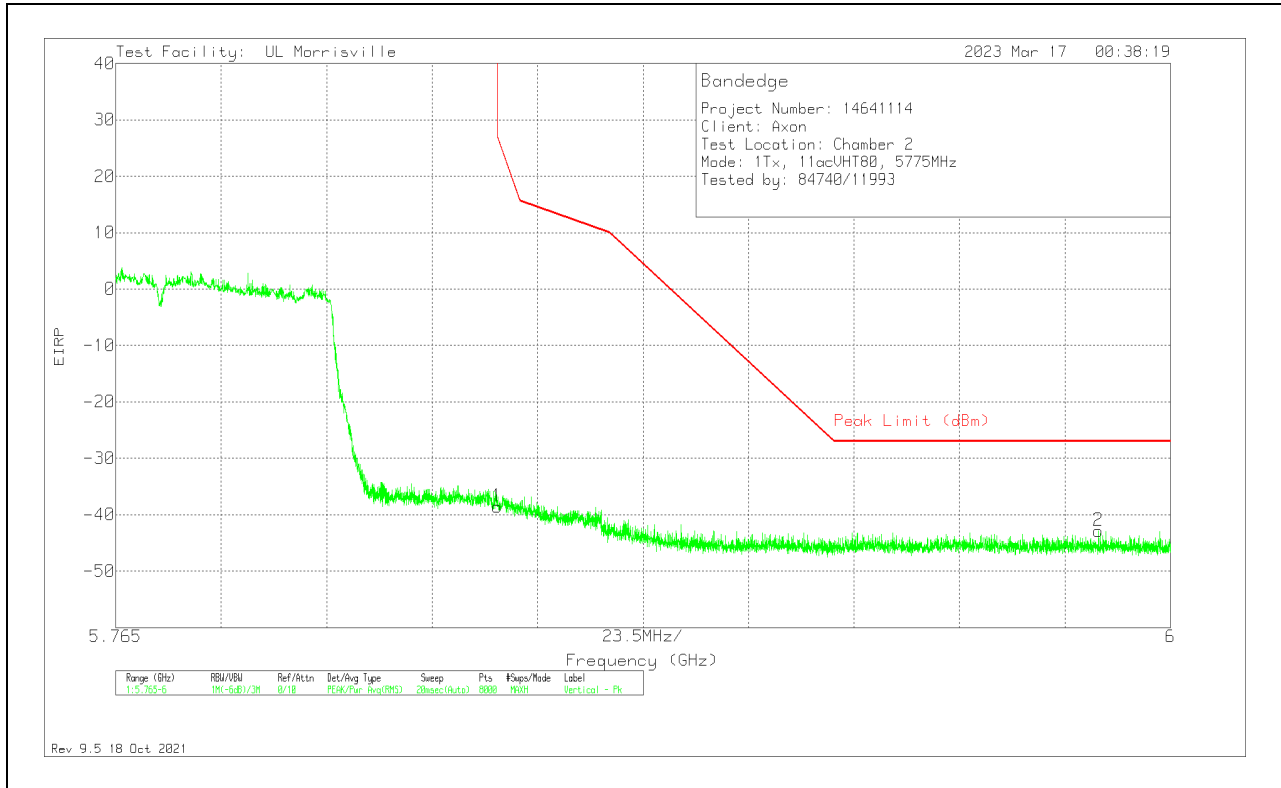
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-68.21	Pk	34.9	-22.9	11.8	-44.41	26.95	-71.36	326	386	H
2	5.96028	-67.06	Pk	35	-22.6	11.8	-42.86	-27	-15.86	326	386	H

Pk - Peak detector

VERTICAL RESULT

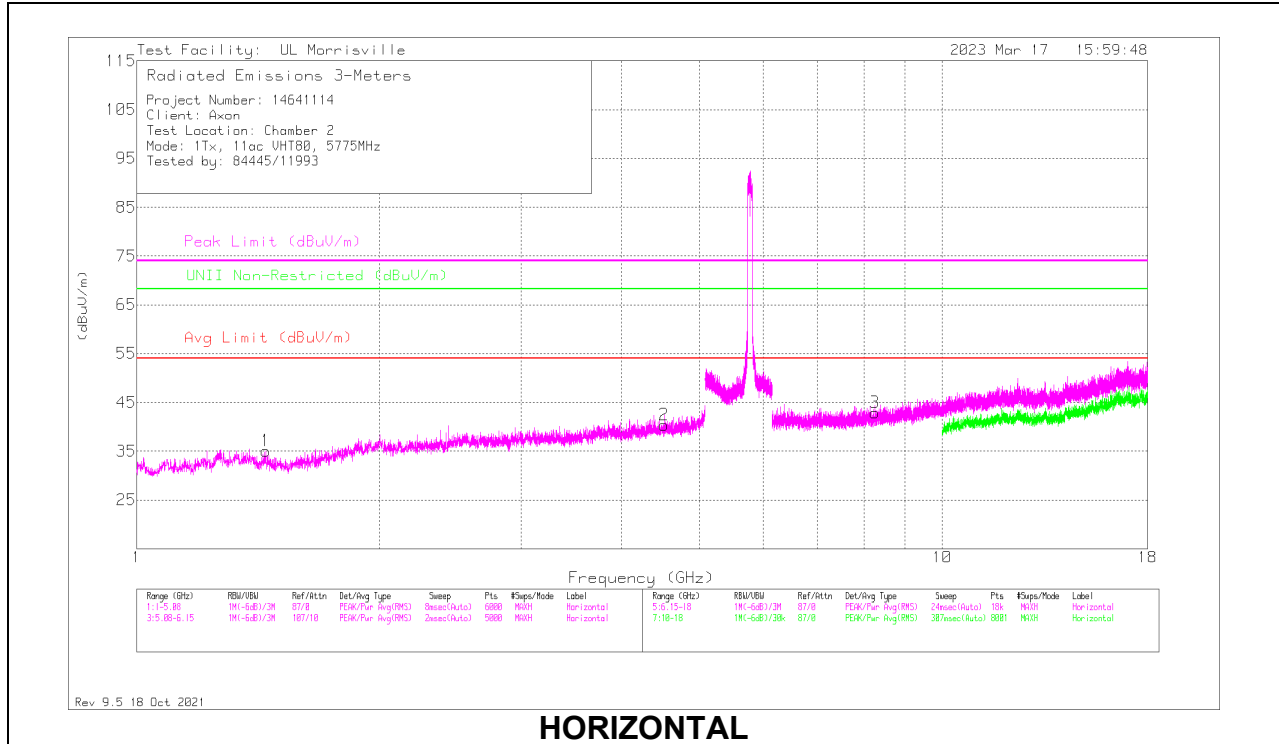


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-62.34	Pk	34.9	-22.9	11.8	-38.54	26.95	-65.49	275	139	V
2	5.98396	-67.22	Pk	35	-22.4	11.8	-42.82	-27	-15.82	275	139	V

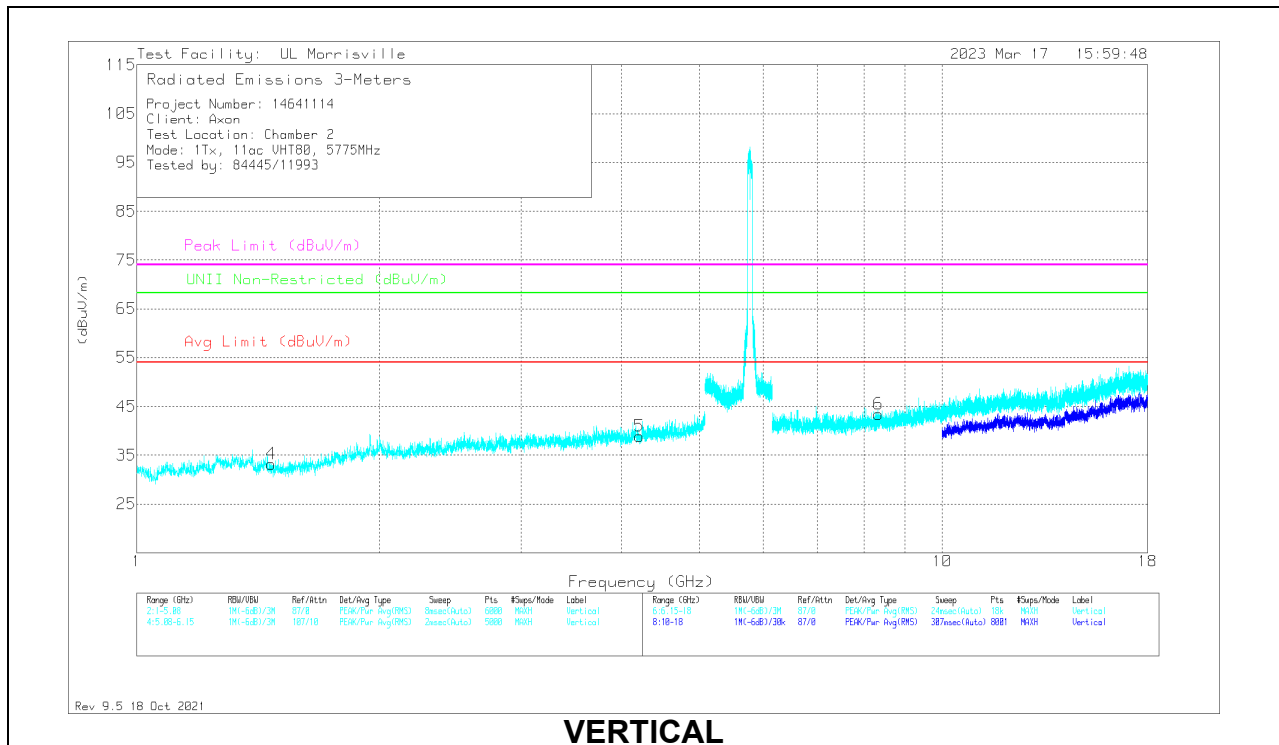
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.44615	41.19	Pk	28.6	-34.8	0	34.99	54	-19.01	74	-39.01	-	-	0-360	200	H
2	* ** 4.5155	38.47	Pk	33.8	-31.9	0	40.37	54	-13.63	74	-33.63	-	-	0-360	200	H
4	* ** 1.46928	39.48	Pk	28.5	-34.8	0	33.18	54	-20.82	74	-40.82	-	-	0-360	101	V
5	* ** 4.21081	37.04	Pk	33.4	-31.5	0	38.94	54	-15.06	74	-35.06	-	-	0-360	200	V
3	* ** 8.25152	34.14	Pk	35.8	-27	0	42.94	54	-11.06	74	-31.06	-	-	0-360	199	H
6	* ** 8.34501	34.3	Pk	35.8	-26.7	0	43.4	54	-10.6	74	-30.6	-	-	0-360	101	V

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

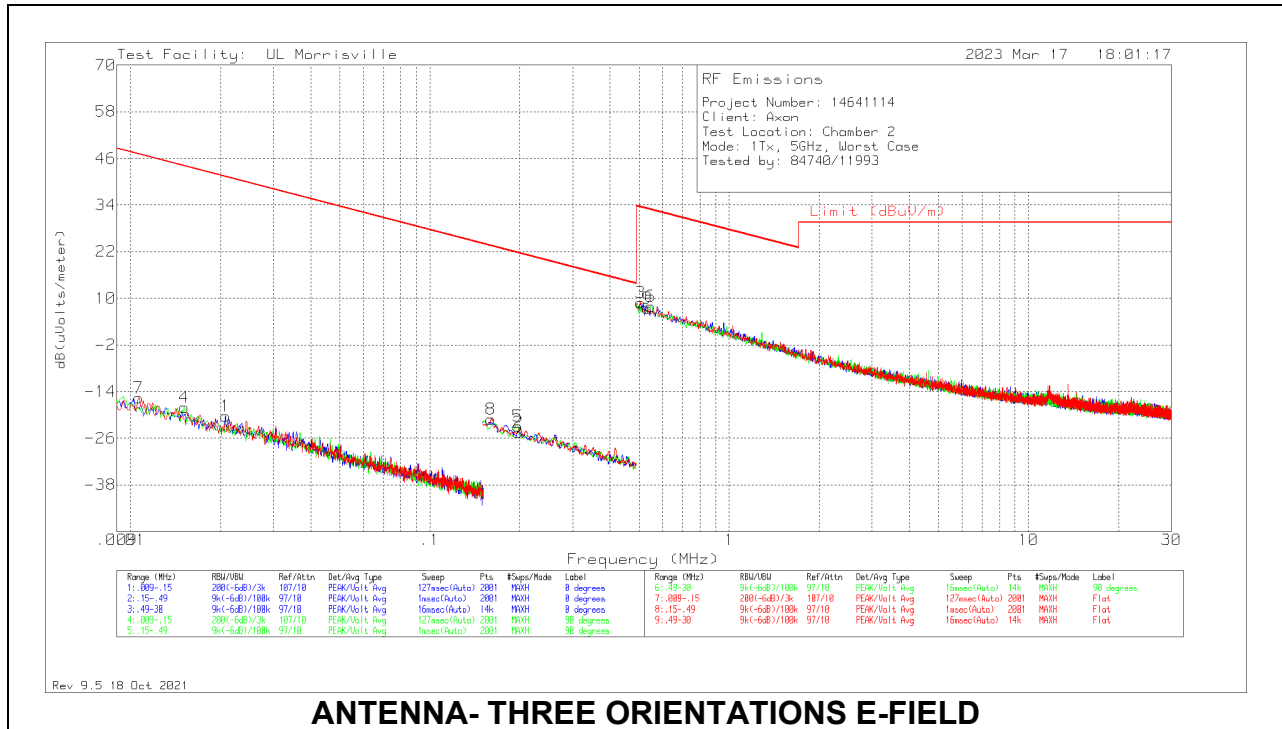
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

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

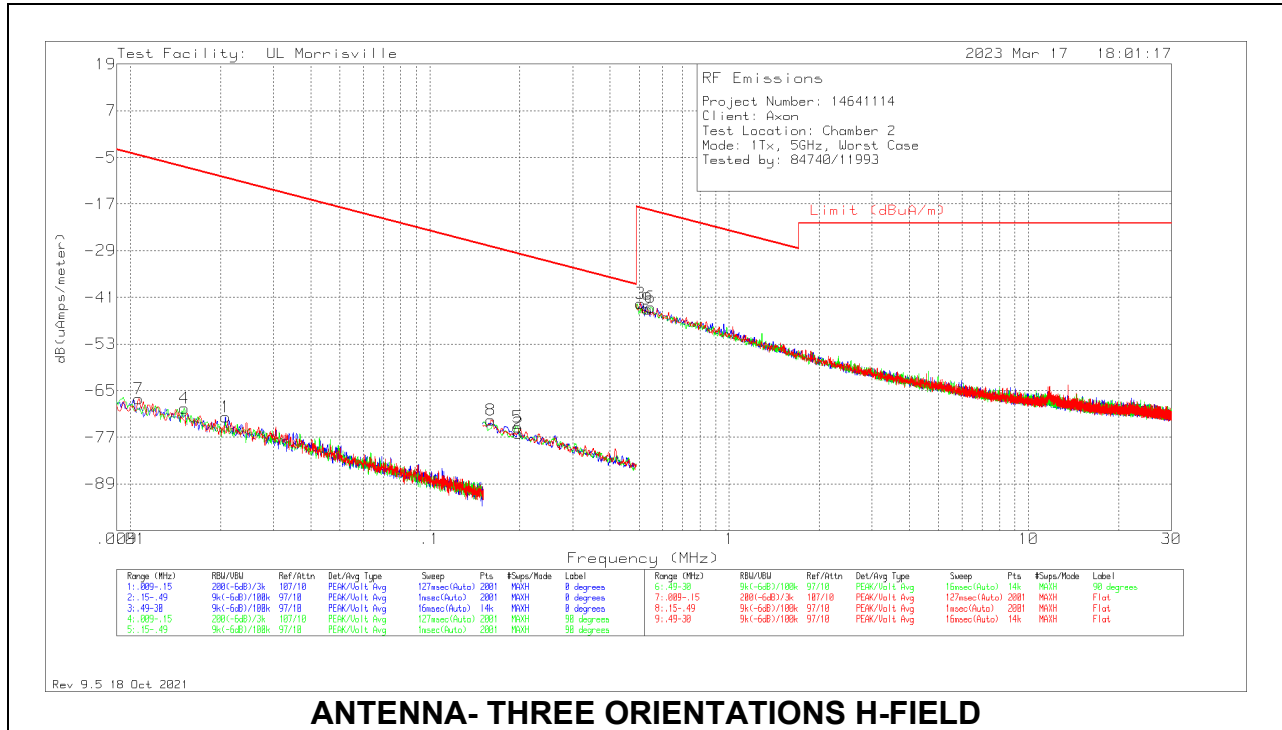


ANTENNA- THREE ORIENTATIONS E-FIELD

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	.01063	45.25	Pk	19	.1	-80	-15.65	47.07	67.07	-62.72	0-360	Flat
4	.01511	44.71	Pk	17.1	.1	-80	-18.09	44.02	64.02	-62.11	0-360	90 degs
1	.02079	44.77	Pk	14.8	.1	-80	-20.33	41.25	61.25	-61.58	0-360	0 degs
8	.16003	46.55	Pk	12.2	.1	-80	-21.15	23.52	43.52	-44.67	0-360	Flat
5	.19675	44.85	Pk	12.2	.1	-80	-22.85	21.73	41.73	-44.58	0-360	90 degs
2	.19777	43.19	Pk	12.2	.1	-80	-24.51	21.68	41.68	-46.19	0-360	0 degs
3	.50686	36.6	Pk	12.2	.1	-40	8.9	33.51	-	-24.61	0-360	0 degs
9	.53216	35.11	Pk	12.2	.1	-40	7.41	33.08	-	-25.67	0-360	Flat
6	.54692	35.69	Pk	12.2	.1	-40	7.99	32.85	-	-24.86	0-360	90 degs

Pk - Peak detector



ANTENNA- THREE ORIENTATIONS H-FIELD

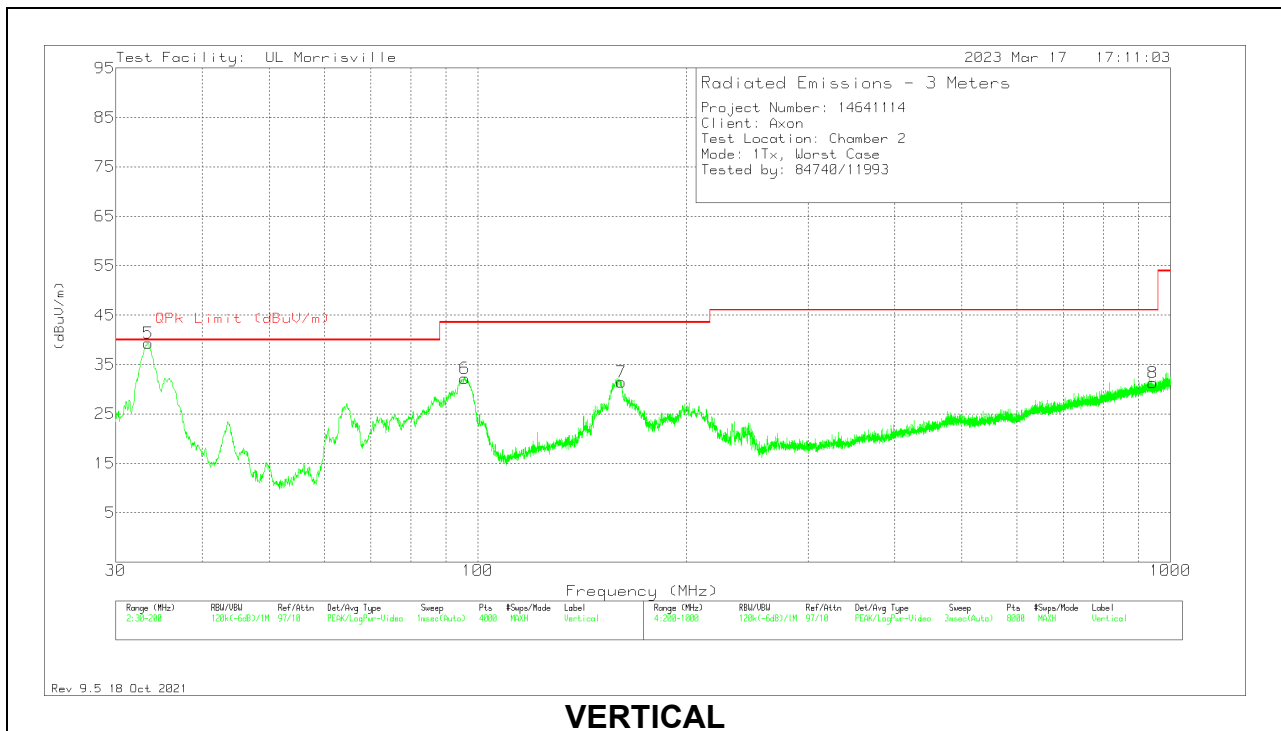
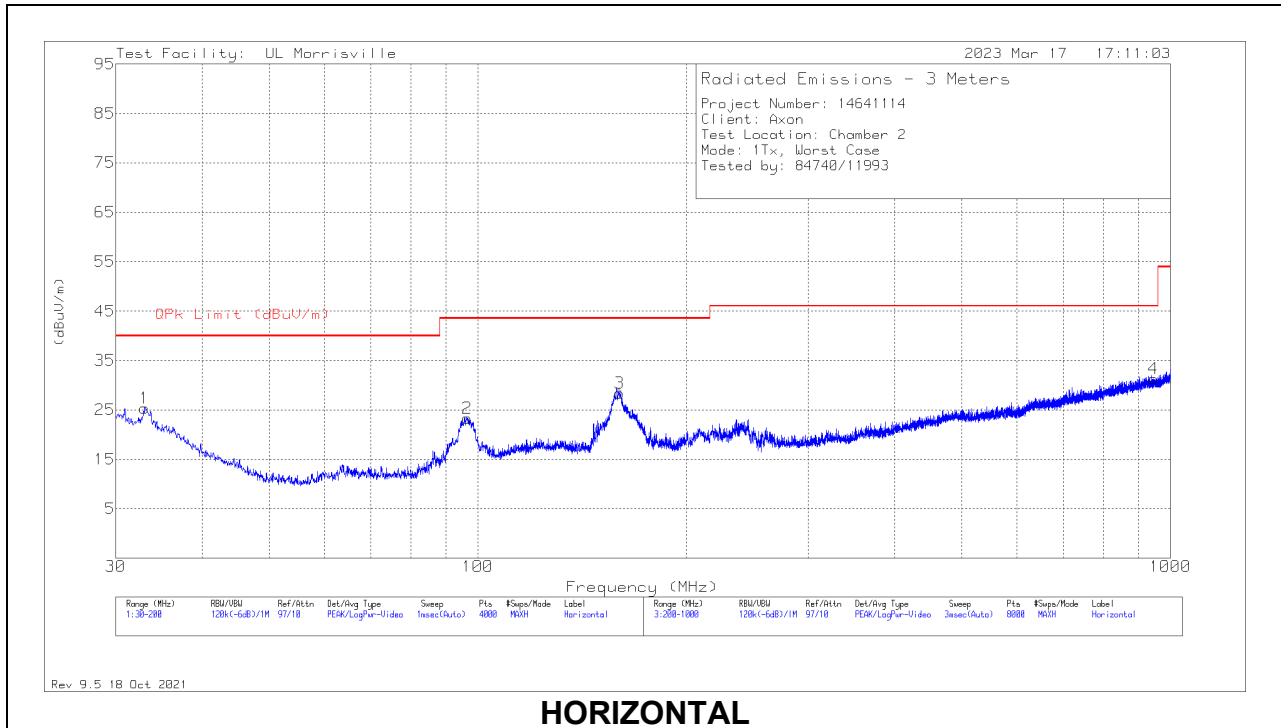
Below 30MHz Data

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
7	.01063	45.25	Pk	-32.5	.1	-80	-67.15	-4.43	15.57	-62.72	0-360	Flat
4	.01511	44.71	Pk	-34.4	.1	-80	-69.59	-7.48	12.52	-62.11	0-360	90 degs
1	.02079	44.77	Pk	-36.7	.1	-80	-71.83	-10.25	9.75	-61.58	0-360	0 degs
8	.16003	46.55	Pk	-39.3	.1	-80	-72.65	-27.98	-7.98	-44.67	0-360	Flat
5	.19675	44.85	Pk	-39.3	.1	-80	-74.35	-29.77	-9.77	-44.58	0-360	90 degs
2	.19777	43.19	Pk	-39.3	.1	-80	-76.01	-29.82	-9.82	-46.19	0-360	0 degs
3	.50686	36.6	Pk	-39.3	.1	-40	-42.6	-17.99	-	-24.61	0-360	0 degs
9	.53216	35.11	Pk	-39.3	.1	-40	-44.09	-18.42	-	-25.67	0-360	Flat
6	.54692	35.69	Pk	-39.3	.1	-40	-43.51	-18.65	-	-24.86	0-360	90 degs

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ

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



Below 1GHz Data

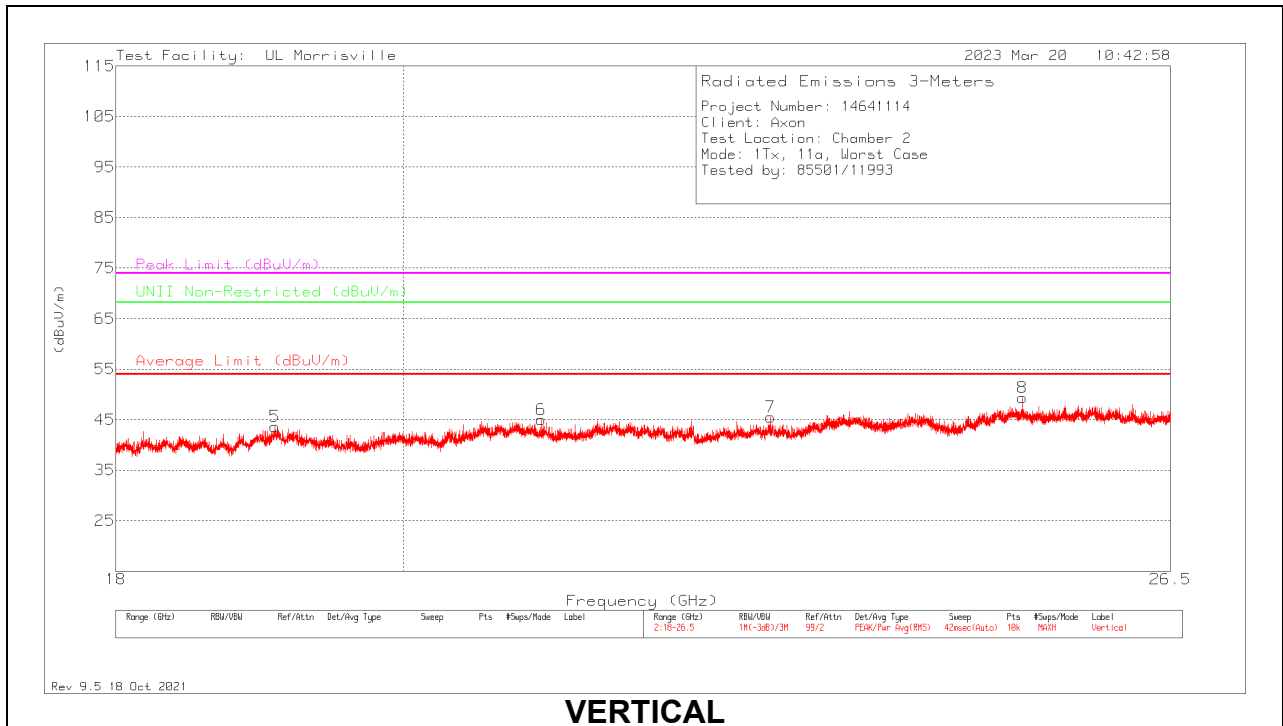
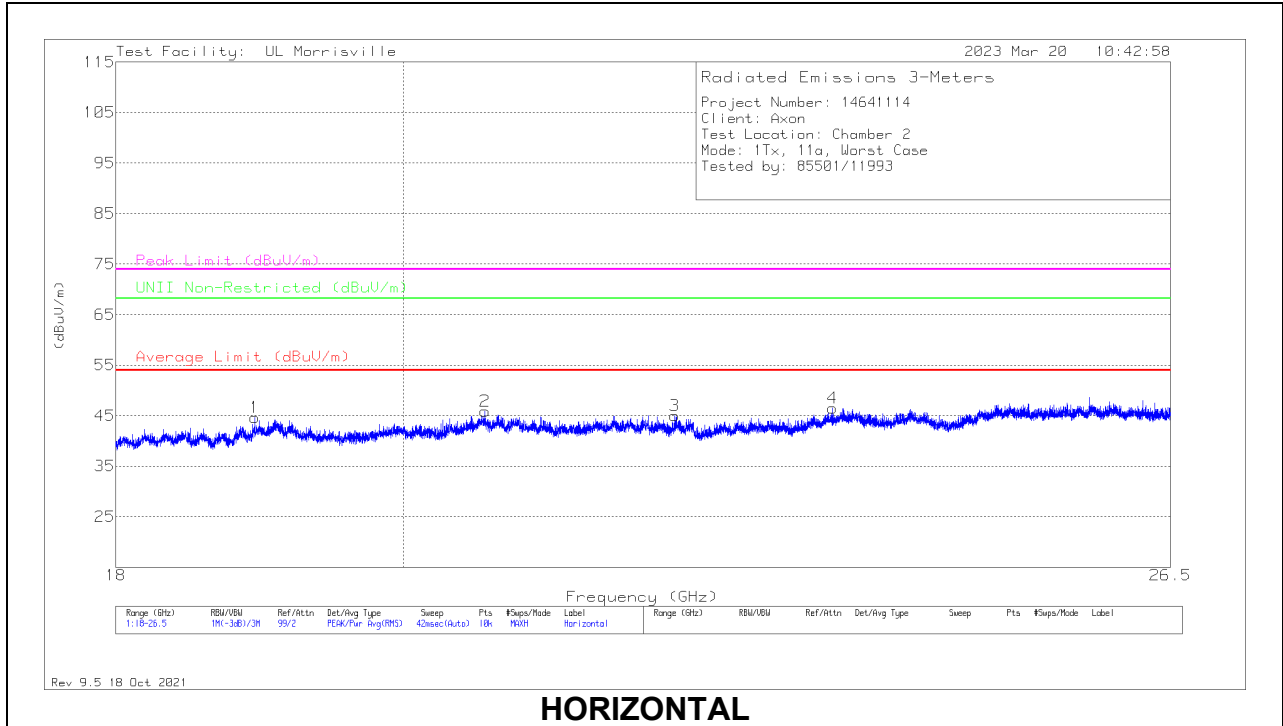
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	33.0183	31.59	Pk	25.2	-31.5	25.29	40	-14.71	0-360	101	H
2	96.5722	38.3	Pk	15.5	-30.5	23.3	43.52	-20.22	0-360	299	H
3	160.1262	39.93	Pk	18.4	-29.9	28.43	43.52	-15.09	0-360	199	H
4	944.9968	27.89	Pk	28.3	-24.9	31.29	46.02	-14.73	0-360	299	H
5	33.3428	42.46	Qp	24.9	-31.6	35.76	40	-4.24	342	101	V
6	95.6795	47.49	Pk	15.3	-30.6	32.19	43.52	-11.33	0-360	100	V
7	161.0189	43.08	Pk	18.4	-30	31.48	43.52	-12.04	0-360	100	V
8	942.9966	28.06	Pk	28.3	-25.1	31.26	46.02	-14.76	0-360	198	V

Pk - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHZ

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



18 – 26GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 18.94256	49.11	Pk	33.8	-38.3	0	44.61	54	-9.39	74	-29.39	-	-	0-360	100	H
2	*** 20.61094	50.23	Pk	34.1	-38.5	0	45.83	54	-8.17	74	-28.17	-	-	0-360	150	H
3	*** 22.09659	48.71	Pk	34.5	-38.2	0	45.01	54	-8.99	74	-28.99	-	-	0-360	100	H
5	*** 19.08194	48.29	Pk	33.8	-38.4	0	43.69	54	-10.31	74	-30.31	-	-	0-360	299	V
6	*** 21.0393	49.42	Pk	34	-38.4	0	45.02	54	-8.98	74	-28.98	-	-	0-360	101	V
7	*** 22.88446	49.45	Pk	34.4	-38.3	0	45.55	54	-8.45	74	-28.45	-	-	0-360	200	V
4	23.41481	49.23	Pk	35.1	-37.8	0	46.53	54	-7.47	74	-27.47	68.2	-21.67	0-360	299	H
8	25.10332	48.79	PK2	35.7	-36.8	0	47.69	-	-	74	-26.31	68.2	-20.51	0	317	V
	25.10179	35.76	ADV	35.7	-36.8	0	34.66	54	-19.34	74	-39.34	-	-	0	317	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

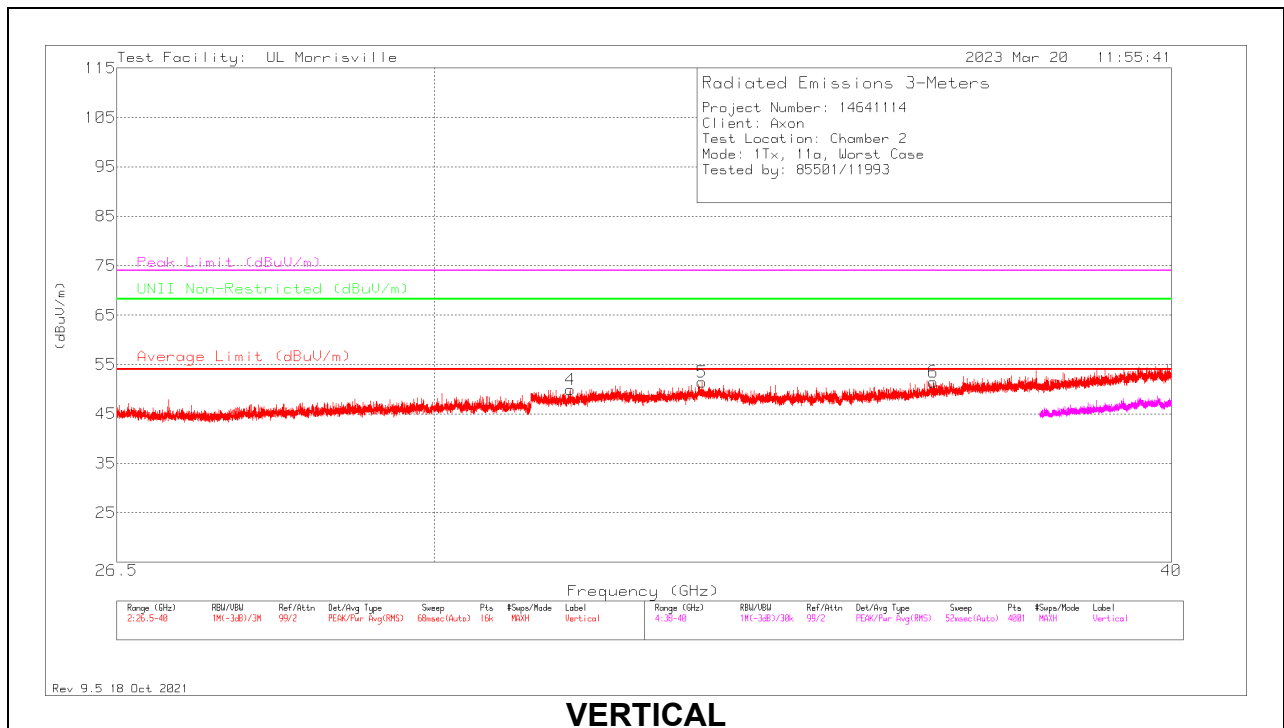
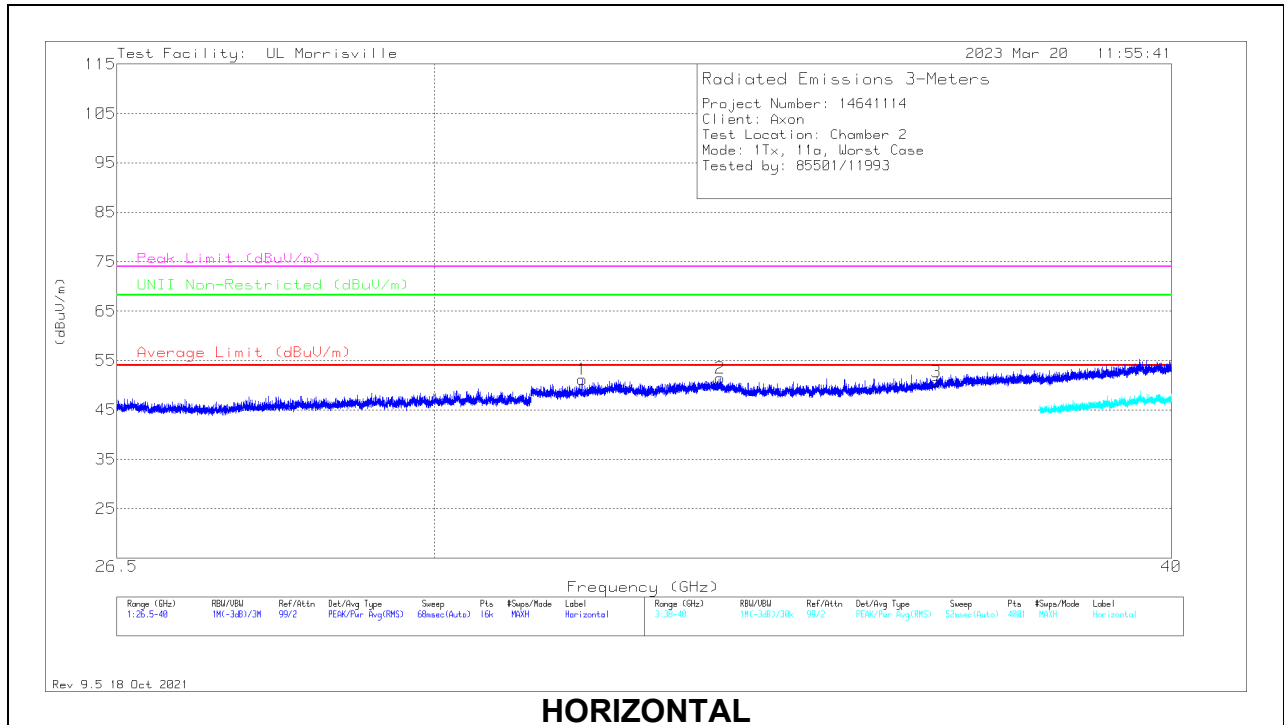
Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

10.5. WORST CASE 26-40 GHZ

SPURIOUS EMISSIONS 26-40 GHZ (WORST-CASE CONFIGURATION)



26 – 40GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204705 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 31.78397	47.17	PK2	37.3	-34.1	0	50.37	-	-	74	-23.63	-	-	324	388	H
	* ** 31.78307	34.12	ADV	37.3	-34.1	0	37.32	54	-16.68	-	-	-	-	324	388	H
3	* ** 36.49164	51.07	PK2	38.2	-36.7	0	52.57	-	-	74	-21.43	-	-	239	154	H
	* ** 36.4892	37.31	ADV	38.2	-36.7	0	38.81	54	-15.19	-	-	-	-	239	154	H
4	* ** 31.6345	47.24	PK2	37.2	-33.9	0	50.54	-	-	74	-23.46	-	-	157	178	V
	* ** 31.63108	33.83	ADV	37.2	-33.9	0	37.13	54	-16.87	-	-	-	-	157	178	V
6	* ** 36.44745	50.85	PK2	38.1	-36.9	0	52.05	-	-	74	-21.95	-	-	262	364	V
	* ** 36.44761	37.07	ADV	38.1	-36.9	0	38.27	54	-15.73	-	-	-	-	262	364	V
5	33.29781	48.68	PK2	37.4	-34.5	0	51.58	-	-	74	-22.42	68.2	-16.62	248	344	V
	33.29869	35.74	ADV	37.4	-34.5	0	38.64	54	-15.36	-	-	-	-	248	344	V
2	33.54164	49.21	PK2	37.4	-34.7	0	51.91	-	-	74	-22.09	68.2	-16.29	126	365	H
	33.54093	35.7	ADV	37.4	-34.7	0	38.40	54	-15.60	-	-	-	-	126	365	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

11. 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.

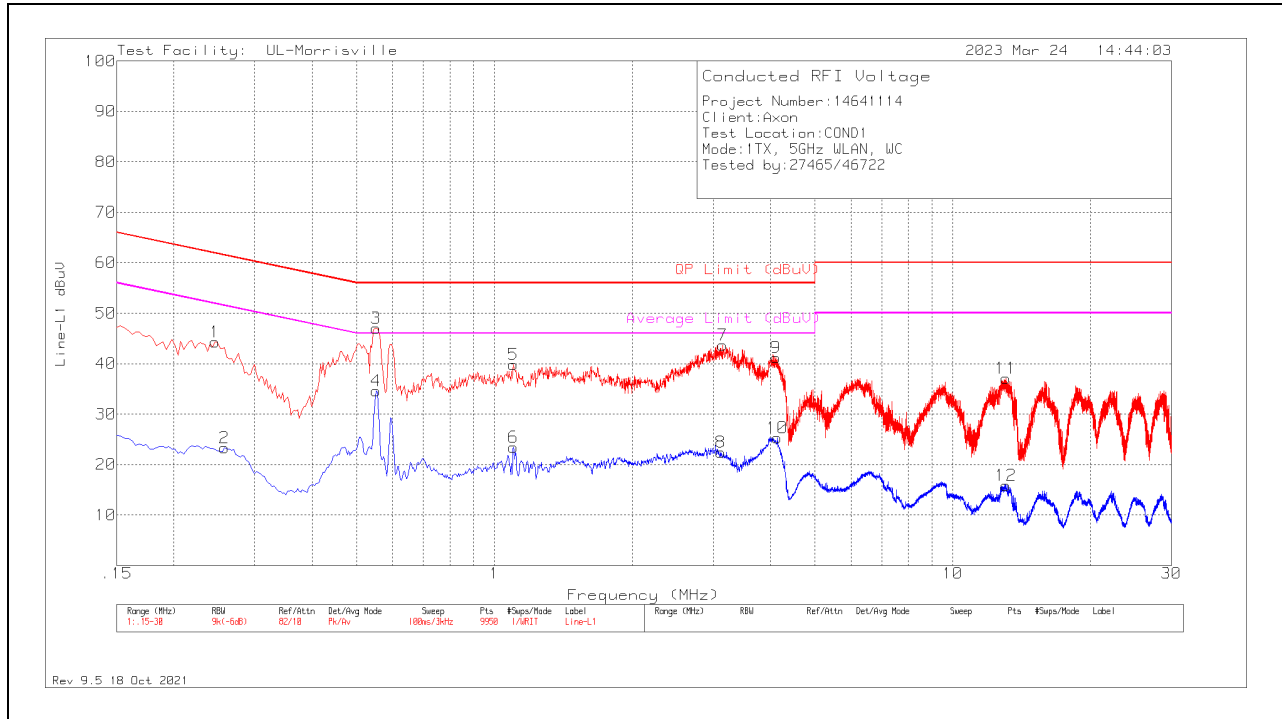
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line Norm

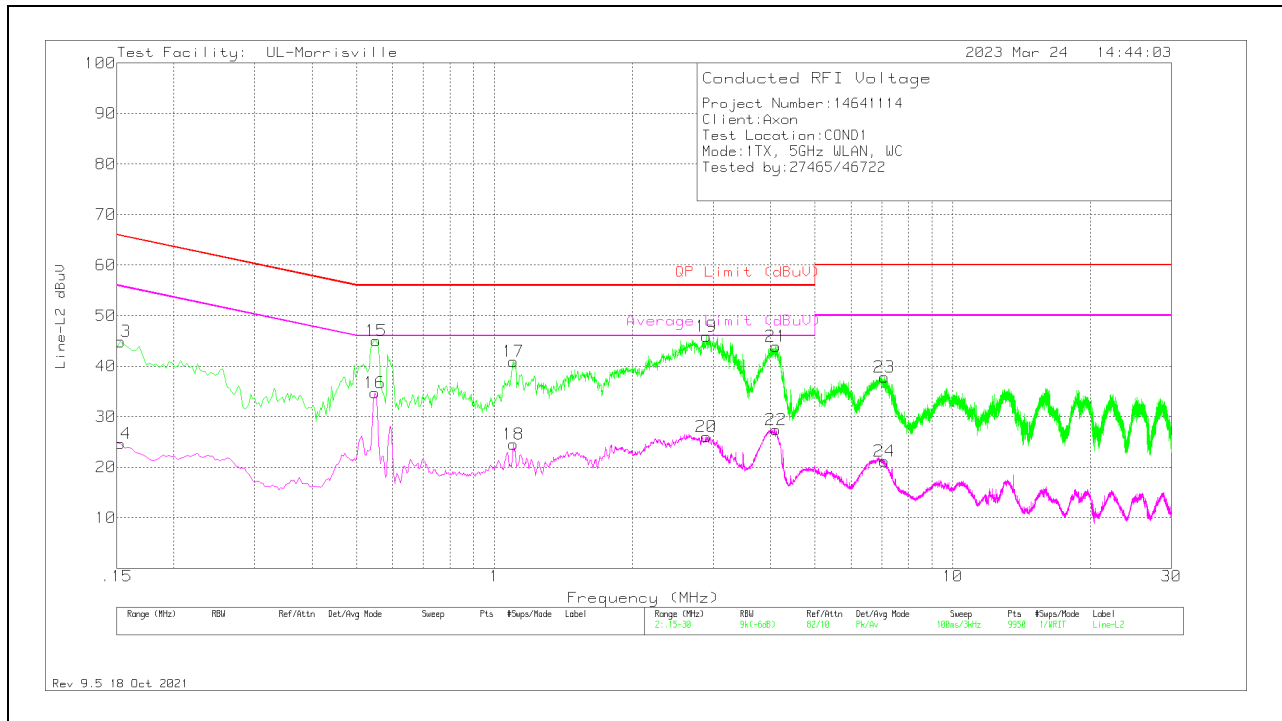
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.246	34.4	Pk	.1	9.8	44.3	61.89	-17.59	-	-
2	.258	13.35	Av	.1	9.8	23.25	-	-	51.5	-28.25
3	.552	37.19	Pk	0	9.8	46.99	56	-9.01	-	-
4	.552	24.79	Av	0	9.8	34.59	-	-	46	-11.41
5	1.101	30	Pk	0	9.8	39.8	56	-16.2	-	-
6	1.101	13.6	Av	0	9.8	23.4	-	-	46	-22.6
7	3.144	33.88	Pk	0	9.8	43.68	56	-12.32	-	-
8	3.123	12.65	Av	0	9.8	22.45	-	-	46	-23.55
9	4.116	31.3	Pk	0	9.9	41.2	56	-14.8	-	-
10	4.146	15.42	Av	0	9.9	25.32	-	-	46	-20.68
11	13.083	26.95	Pk	.1	10	37.05	60	-22.95	-	-
12	13.068	5.73	Av	.1	10	15.83	-	-	50	-34.17

Pk - Peak detector
 Av - Average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	34.85	Pk	.2	9.8	44.85	65.84	-20.99	-	-
14	.153	14.67	Av	.2	9.8	24.67	-	-	55.84	-31.17
15	.552	35.28	Pk	0	9.8	45.08	56	-10.92	-	-
16	.549	24.91	Av	0	9.8	34.71	-	-	46	-11.29
17	1.101	31.16	Pk	0	9.8	40.96	56	-15.04	-	-
18	1.101	14.72	Av	0	9.8	24.52	-	-	46	-21.48
19	2.898	36.13	Pk	0	9.8	45.93	56	-10.07	-	-
20	2.904	16.28	Av	0	9.8	26.08	-	-	46	-19.92
21	4.113	34.04	Pk	0	9.9	43.94	56	-12.06	-	-
22	4.113	17.45	Av	0	9.9	27.35	-	-	46	-18.65
23	7.092	27.84	Pk	.1	9.9	37.84	60	-22.16	-	-
24	7.089	11.22	Av	.1	9.9	21.22	-	-	50	-28.78

Pk - Peak detector
 Av - Average detection

12. SETUP PHOTOS

Please refer to R14641114-EP1 for setup photos

END OF TEST REPORT