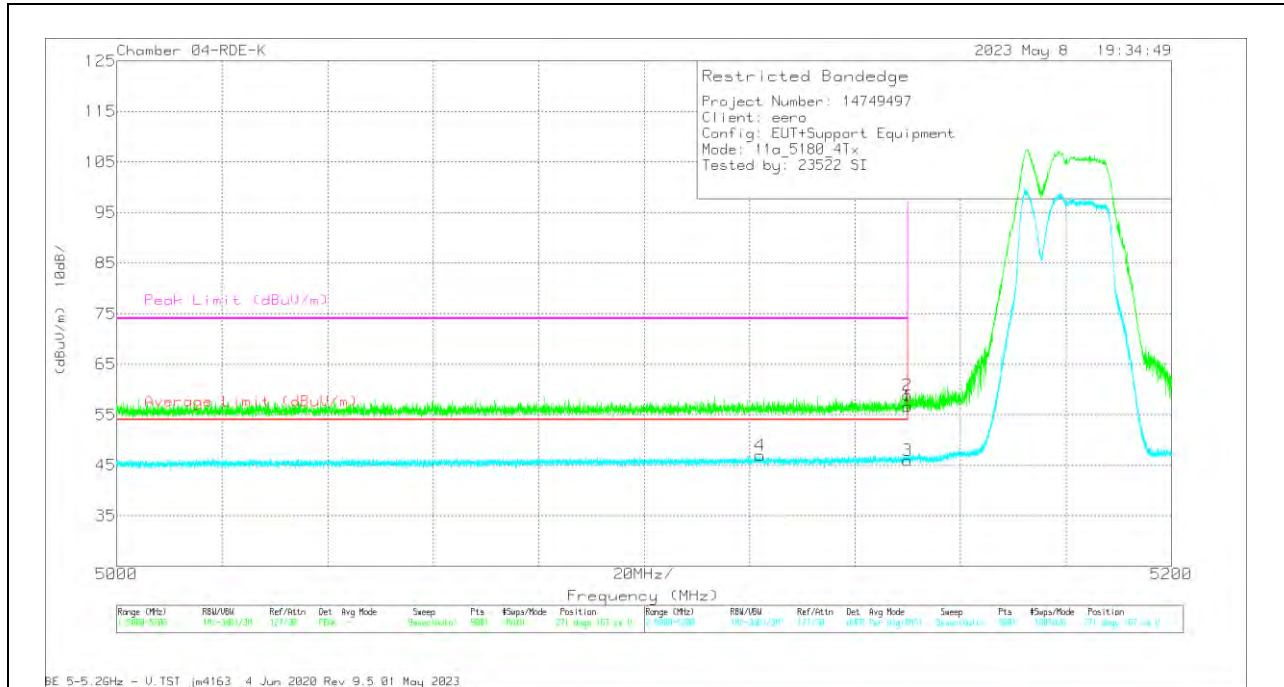


### VERTICAL RESULT



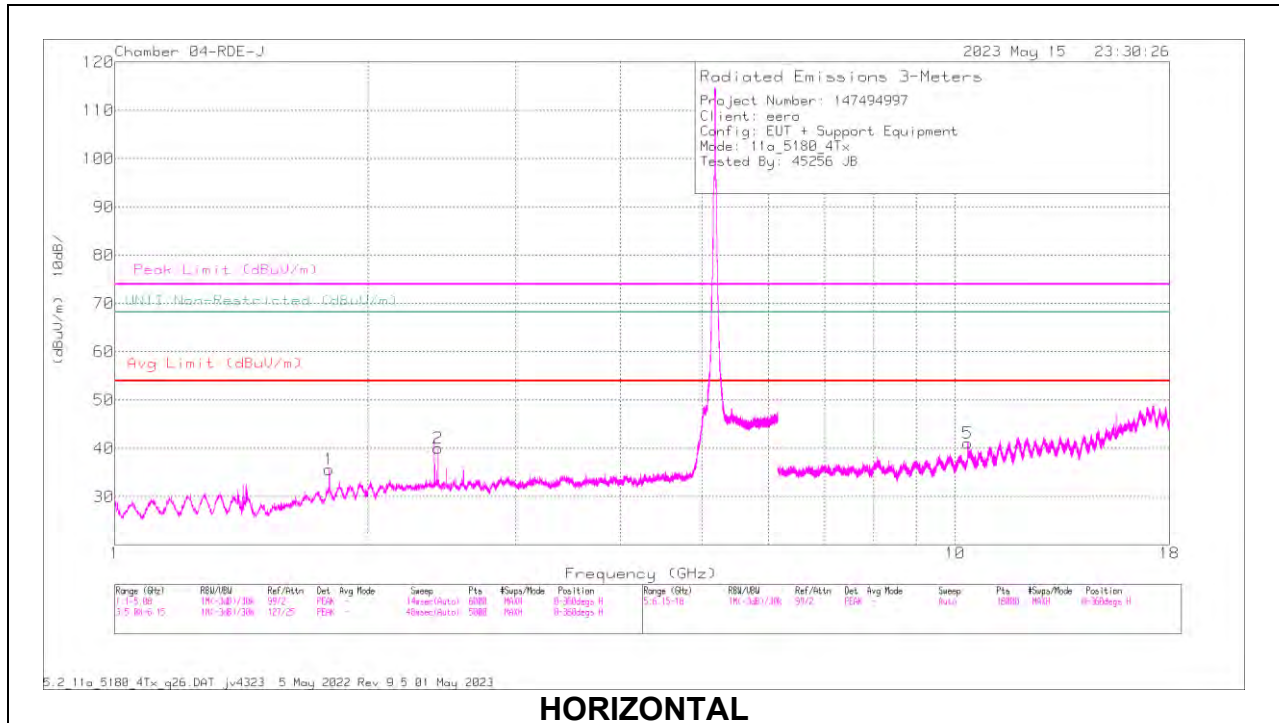
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	53.48	Pk	34.1	-30.9	56.68	-	-	74	-17.32	271	167	V
2	* 5149.954	55.62	Pk	34.1	-30.9	58.82	-	-	74	-15.18	271	167	V
3	* 5150	42.59	RMS	34.1	-30.9	45.79	54	-8.21	-	-	271	167	V
4	* 5121.977	43.69	RMS	34	-30.8	46.89	54	-7.11	-	-	271	167	V

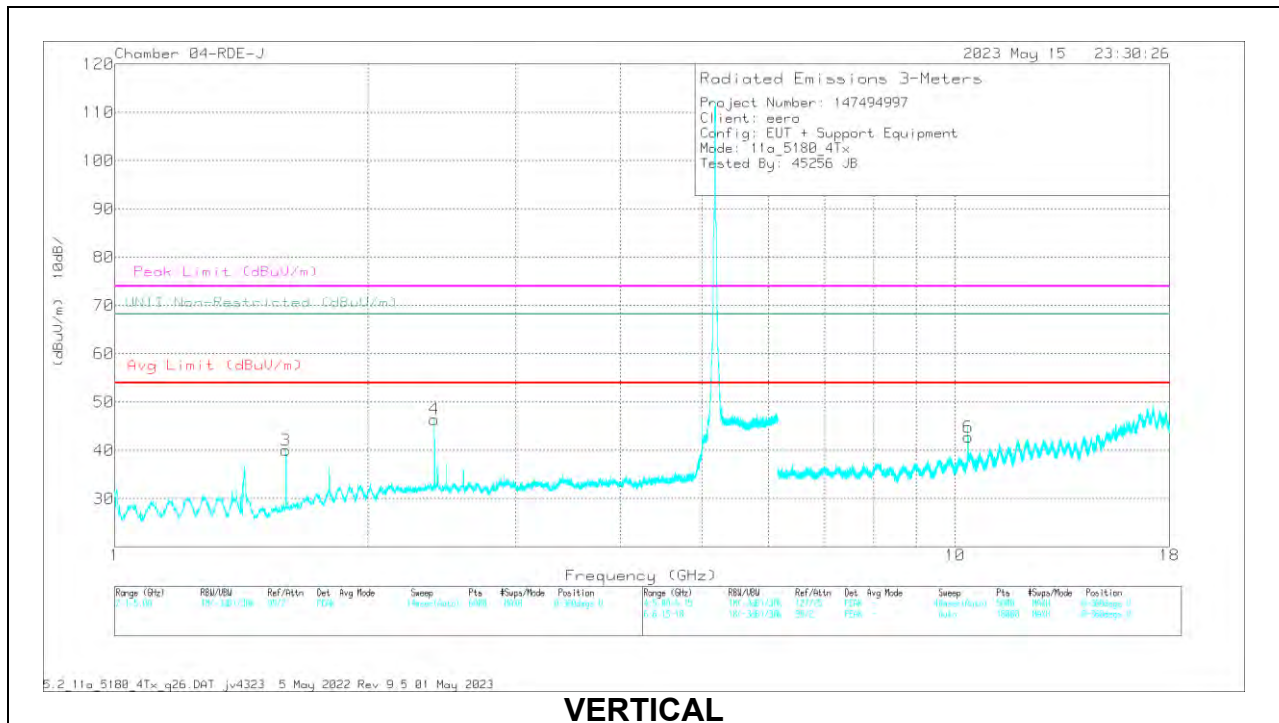
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

### RADIATED EMISSIONS

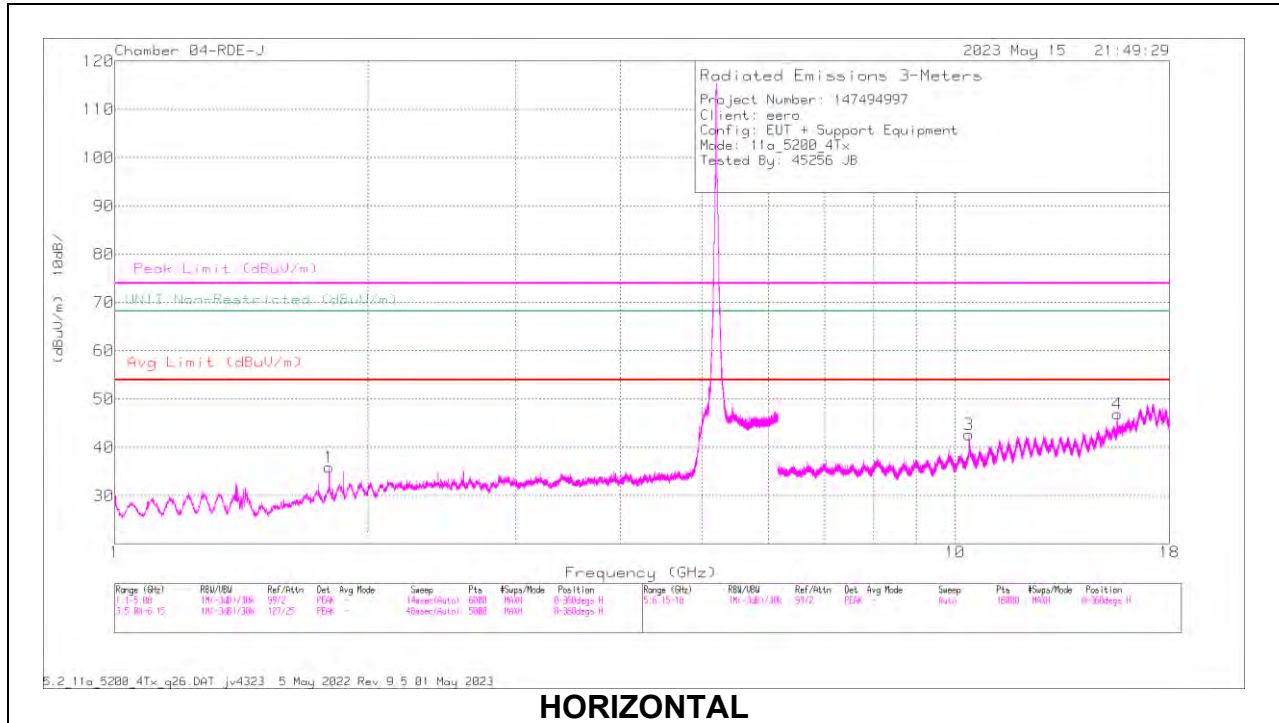
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cb/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.803096	55.47	PK-U	30.6	-43.5	45.15	-	-	-	-	68.2	-23.05	72	327	H
2	2.425582	58.15	PK-U	32.1	-45.1	45.15	-	-	-	-	68.2	-23.05	72	327	H
3	* 1.600017	61.28	PK-U	27.8	-43.1	45.98	-	-	74	-28.02	-	-	304	236	V
	* 1.600181	43.9	ADR	27.8	-43.1	28.6	54	-25.4	-	-	-	-	304	236	V
4	2.402004	65.96	PK-U	32	-45.3	52.66	-	-	-	-	68.2	-15.54	277	178	V
5	10.354024	51.52	PK-U	37.4	-36.3	52.62	-	-	-	-	68.2	-15.58	99	150	H
6	10.364864	53.44	PK-U	37.4	-36	54.84	-	-	-	-	68.2	-13.36	35	111	V

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

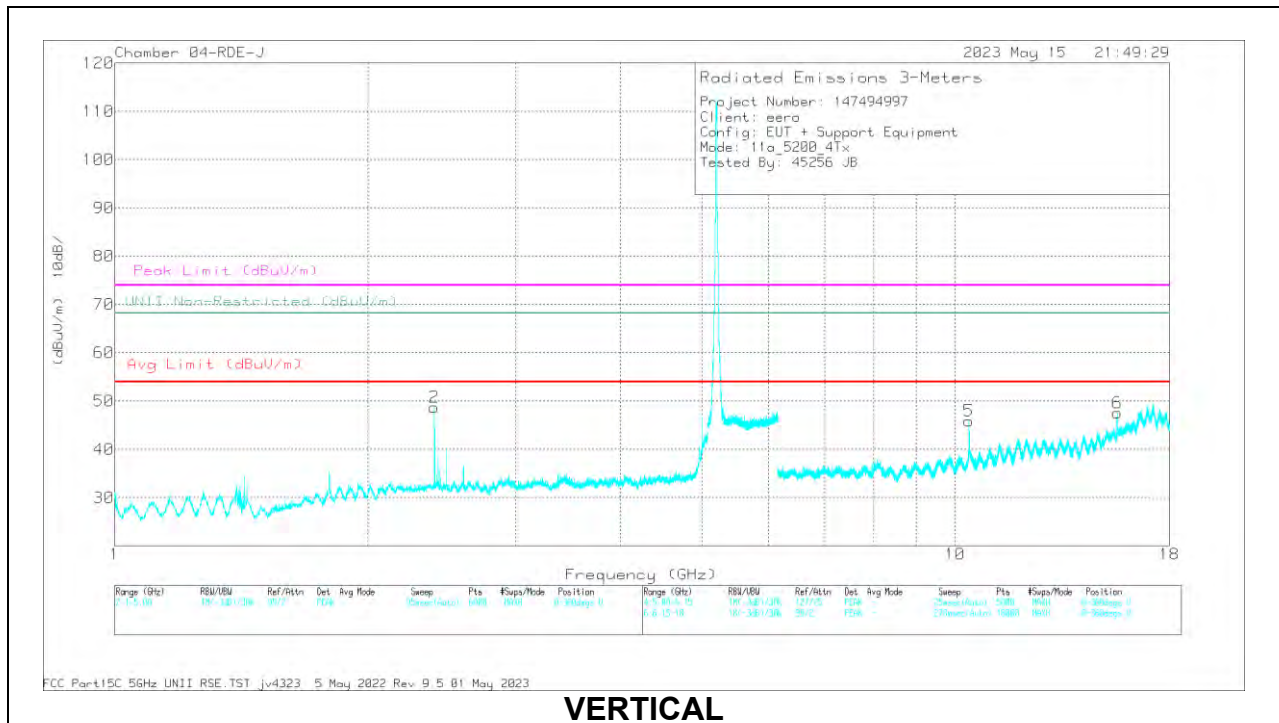
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

### RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/CbI/Filtr (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	1.80225	55.99	PK-U	30.6	-43.6	42.99	-	-	-	-	68.2	-25.21	86	201	H
2	2.401823	62.51	PK-U	32	-45.3	49.21	-	-	-	-	68.2	-18.99	354	179	V
3	10.394317	51.49	PK-U	37.4	-36.2	52.69	-	-	-	-	68.2	-15.51	87	114	H
4	* 15.60477	52.34	PK-U	40.6	-33.3	59.64	-	-	74	-14.36	-	-	146	197	H
	* 15.604785	40.5	ADR	40.6	-33.3	47.8	54	-6.2	-	-	-	-	146	197	H
5	10.392973	56.43	PK-U	37.4	-36.1	57.73	-	-	-	-	68.2	-10.47	322	229	V
6	* 15.601366	51.92	PK-U	40.6	-33.4	59.12	-	-	74	-14.88	-	-	161	107	V
	* 15.601764	39.47	ADR	40.6	-33.3	46.77	54	-7.23	-	-	-	-	161	107	V

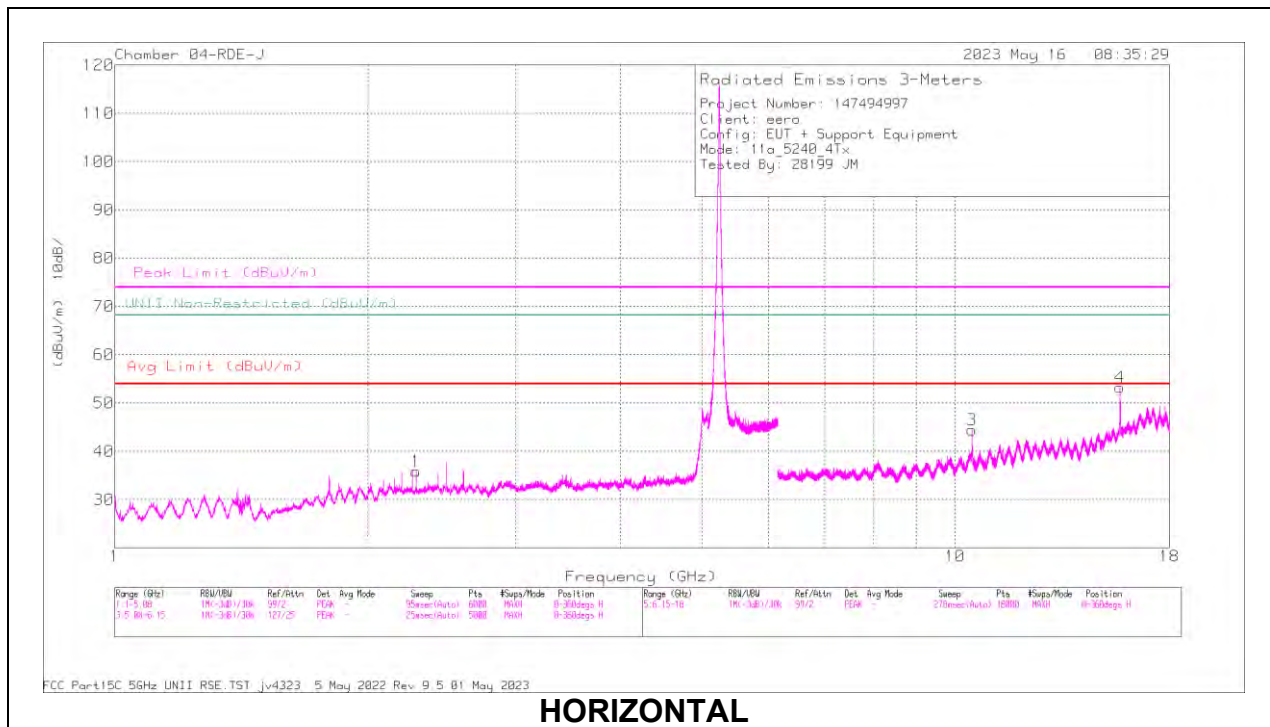
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

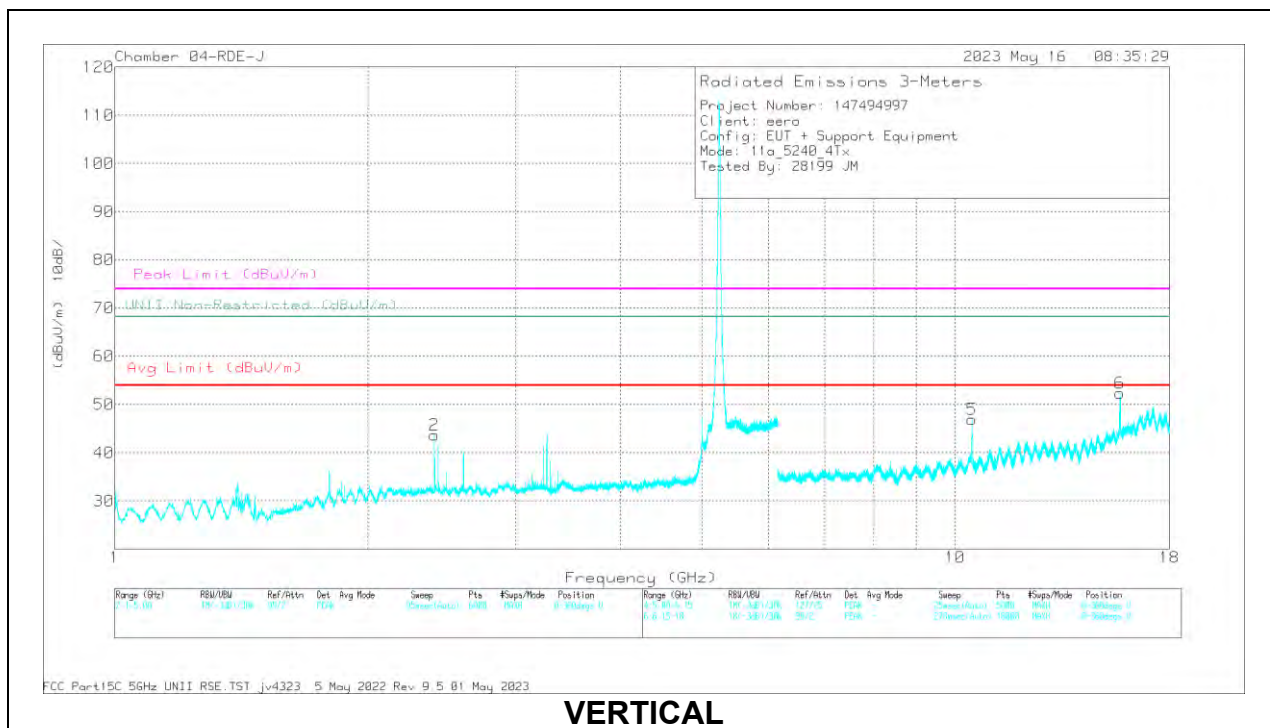
ADR - U-NII AD primary method, RMS average



### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/CbI/Filtr (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	* 2.282334	55.79	PK-U	31.8	-45	42.59	-	-	74	-31.41	-	-	58	328	H
	* 2.282032	44.03	ADR	31.8	-45	30.83	54	-23.17	-	-	-	-	58	328	H
2	2.402277	59.99	PK-U	32	-45.3	46.69	-	-	-	-	68.2	-21.51	208	148	V
3	10.472832	52.95	PK-U	37.4	-36.1	54.25	-	-	-	-	68.2	-13.95	140	315	H
4	* 15.725148	59.26	PK-U	40.8	-34.7	65.36	-	-	74	-8.64	-	-	132	109	H
	* 15.724762	47.13	ADR	40.8	-34.7	53.23	54	-7.77	-	-	-	-	132	109	H
5	10.48146	54.63	PK-U	37.4	-36	56.03	-	-	-	-	68.2	-12.17	322	193	V
6	* 15.730653	58.84	PK-U	40.9	-34.6	65.14	-	-	74	-8.86	-	-	201	208	V
	* 15.72933	46.79	ADR	40.9	-34.7	52.99	54	-1.01	-	-	-	-	201	208	V

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

PK-U - U-NII: Maximum Peak

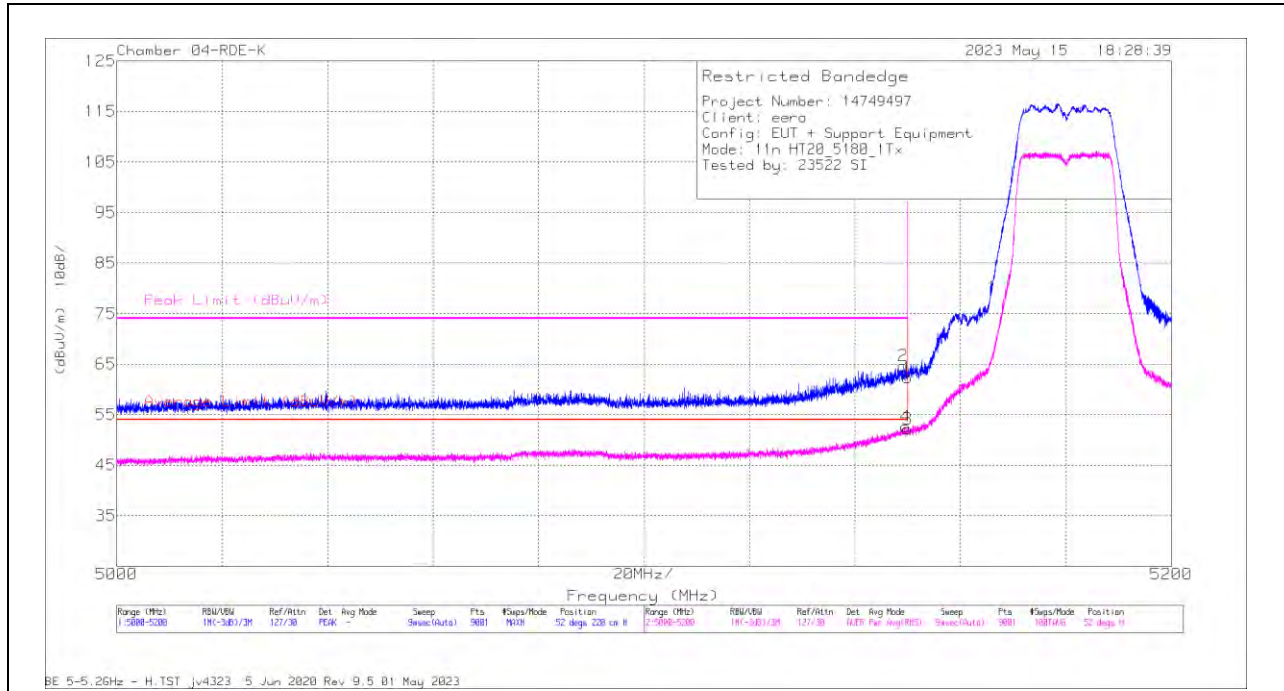
ADR - U-NII AD primary method, RMS average

### 10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



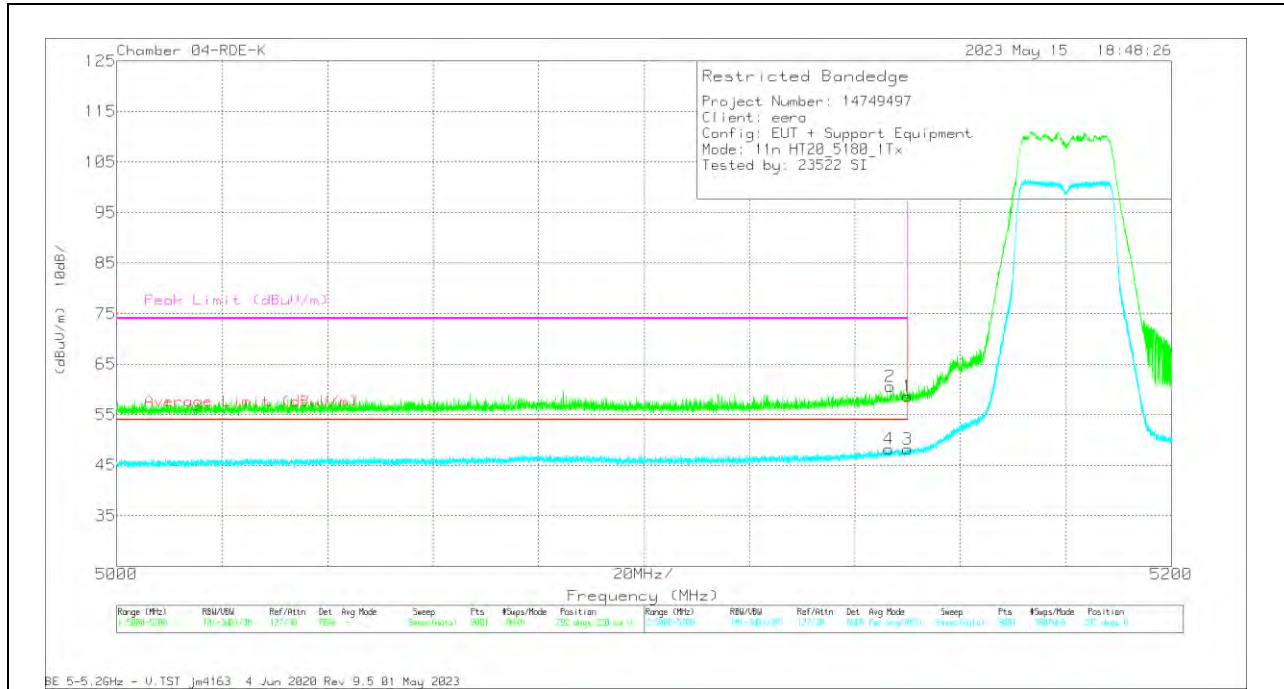
#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	59.18	Pk	34.1	-30.9	62.38	-	-	74	-11.62	52	220	H
2	* 5149.087	61.5	Pk	34.1	-30.9	64.7	-	-	74	-9.3	52	220	H
3	* 5150	48.92	RMS	34.1	-30.9	52.12	54	-1.88	-	-	52	220	H
4	* 5149.621	49.48	RMS	34.1	-30.9	52.68	54	-1.32	-	-	52	220	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection



### VERTICAL RESULT



### Trace Markers

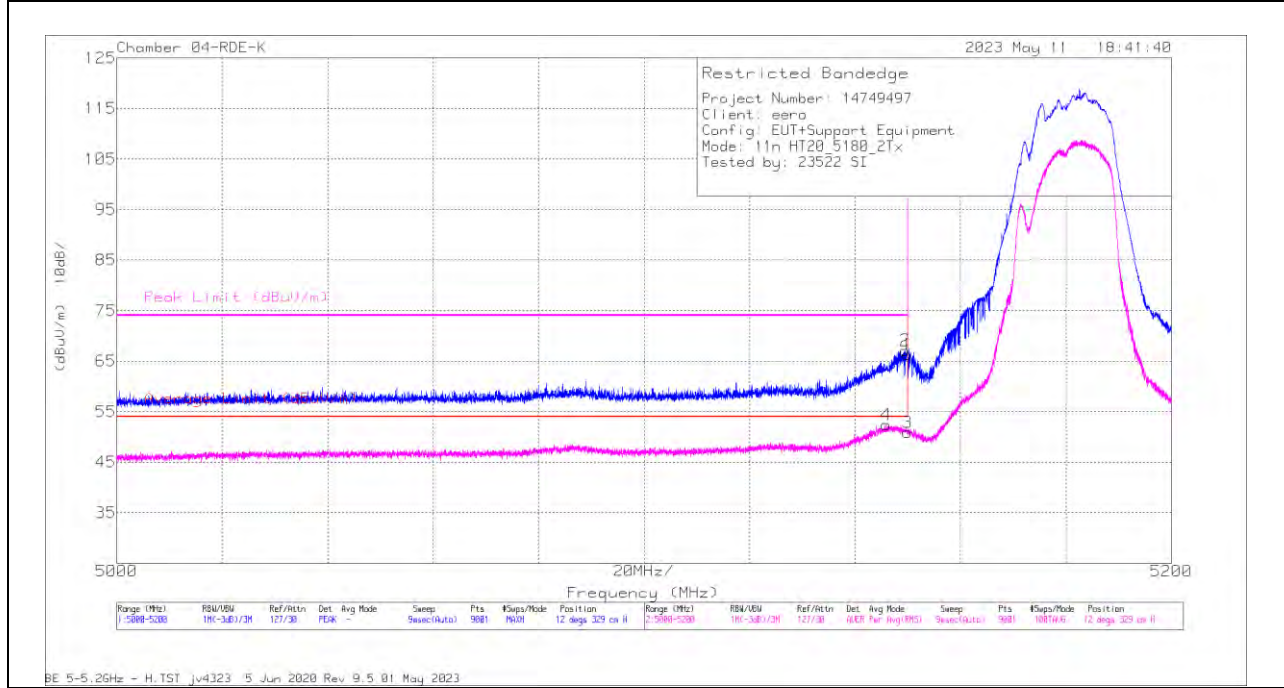
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	55.44	Pk	34.1	-30.9	58.64	-	-	74	-15.36	292	220	V
2	* 5146.643	57.42	Pk	34	-30.8	60.62	-	-	74	-13.38	292	220	V
3	* 5150	44.93	RMS	34.1	-30.9	48.13	54	-5.87	-	-	292	220	V
4	* 5146.399	45.04	RMS	34	-30.8	48.24	54	-5.76	-	-	292	220	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**2TX Antenna 6 + Antenna 4 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

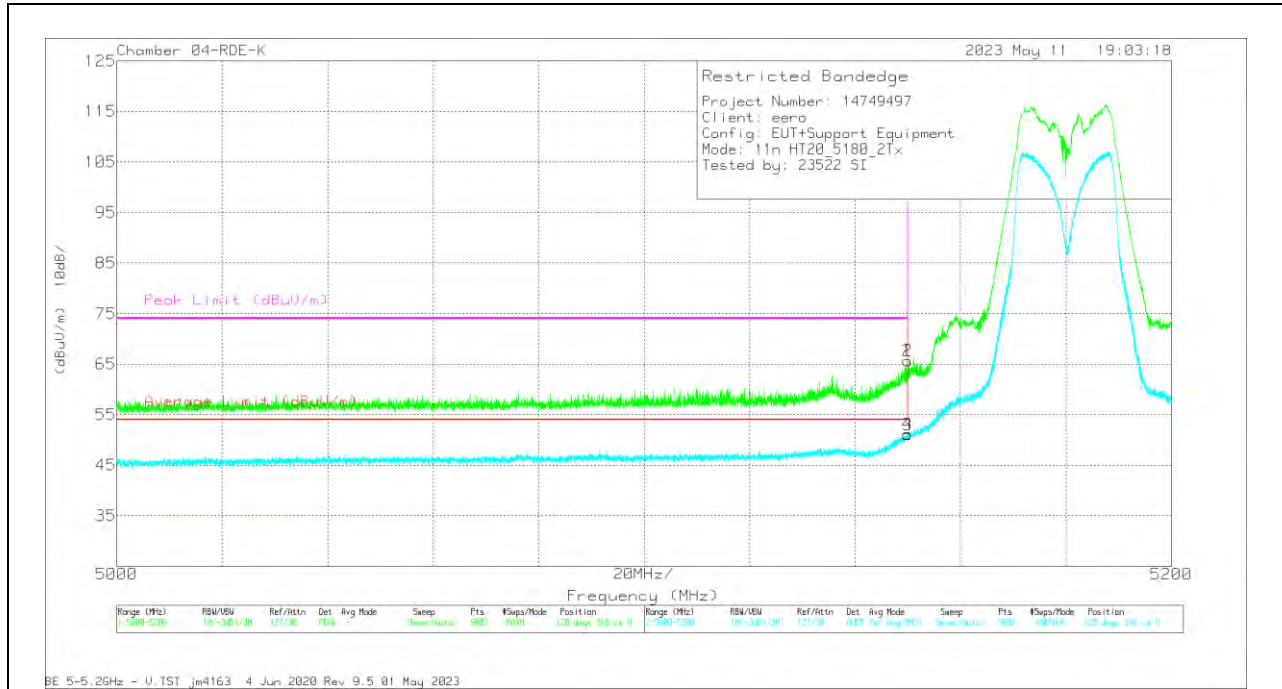


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	63.08	Pk	34.1	-30.9	66.28	-	-	74	-7.72	12	329	H
2	* 5149.465	63.91	Pk	34.1	-30.9	67.11	-	-	74	-6.89	12	329	H
3	* 5150	47.74	RMS	34.1	-30.9	50.94	54	-3.06	-	-	12	329	H
4	* 5145.932	49.25	RMS	34	-30.8	52.45	54	-1.55	-	-	12	329	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

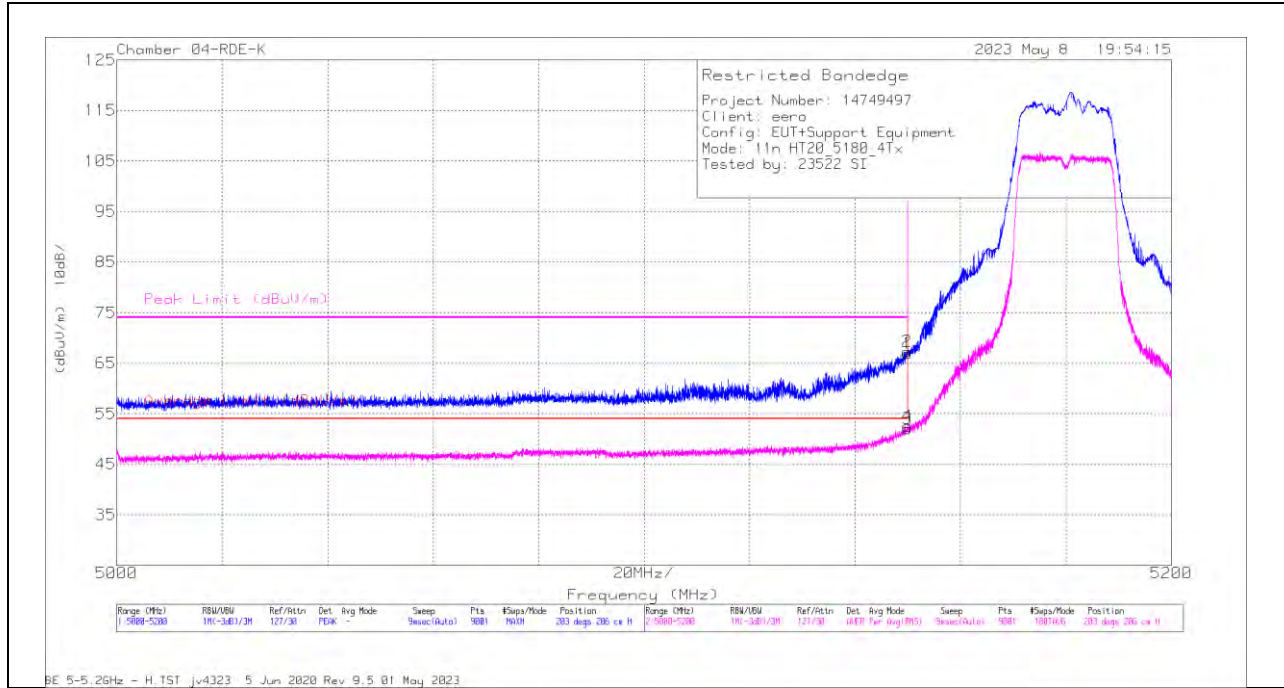
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	62.47	Pk	34.1	-30.9	65.67	-	-	74	-8.33	128	310	V
2	* 5149.999	62.49	Pk	34.1	-30.9	65.69	-	-	74	-8.31	128	310	V
3	* 5150	47.85	RMS	34.1	-30.9	51.05	54	-2.95	-	-	128	310	V
4	* 5149.976	47.99	RMS	34.1	-30.9	51.19	54	-2.81	-	-	128	310	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

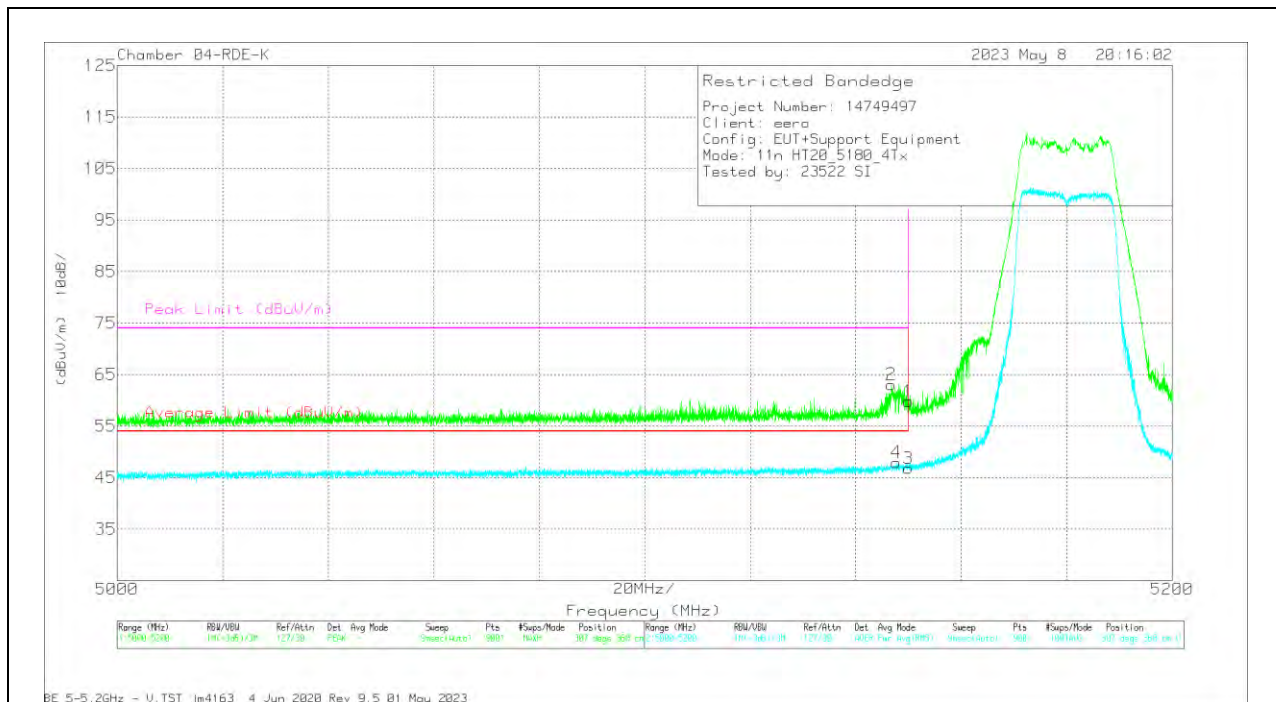


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	63.69	Pk	34.1	-30.9	66.89	-	-	74	-7.11	203	206	H
2	* 5149.865	64.07	Pk	34.1	-30.9	67.27	-	-	74	-6.73	203	206	H
3	* 5150	48.79	RMS	34.1	-30.9	51.99	54	-2.01	-	-	203	206	H
4	* 5149.954	49.34	RMS	34.1	-30.9	52.54	54	-1.46	-	-	203	206	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

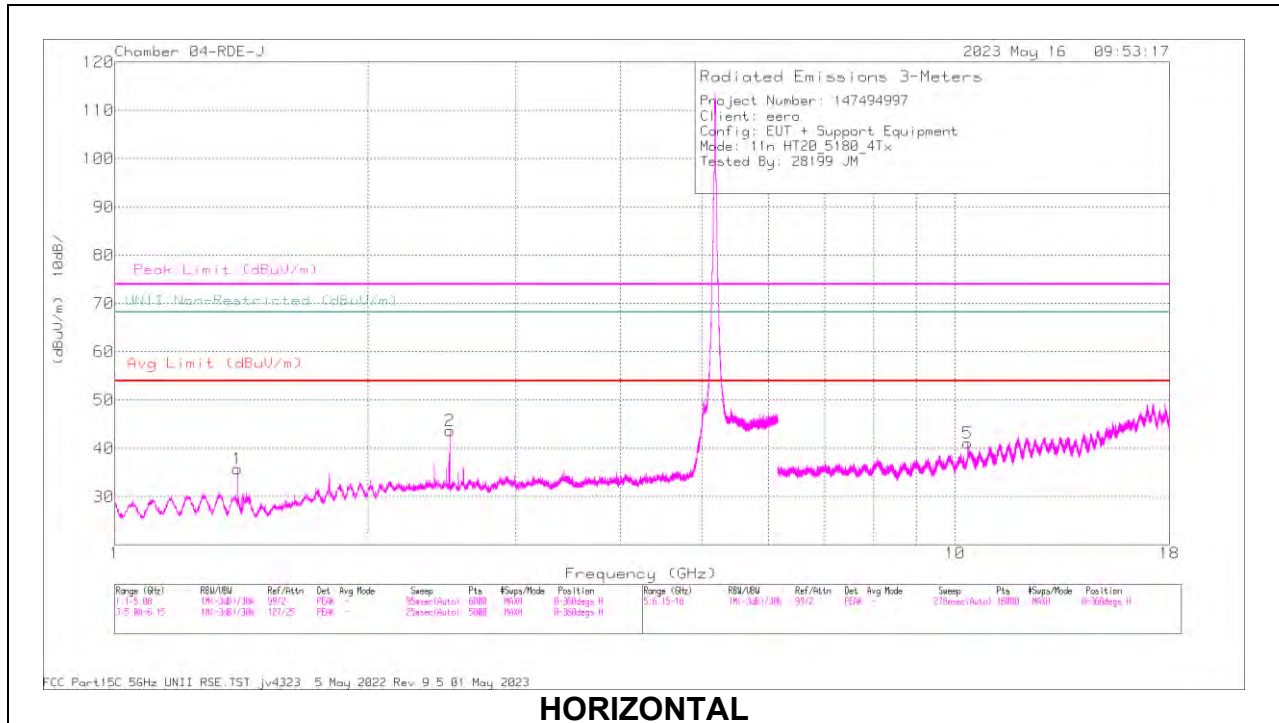
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	56.63	Pk	34.1	-30.9	59.83	-	-	74	-14.17	307	368	V
2	* 5146.754	59.89	Pk	34	-30.8	63.09	-	-	74	-10.91	307	368	V
3	* 5150	43.64	RMS	34.1	-30.9	46.84	54	-7.16	-	-	307	368	V
4	* 5147.687	44.74	RMS	34	-30.8	47.94	54	-6.06	-	-	307	368	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

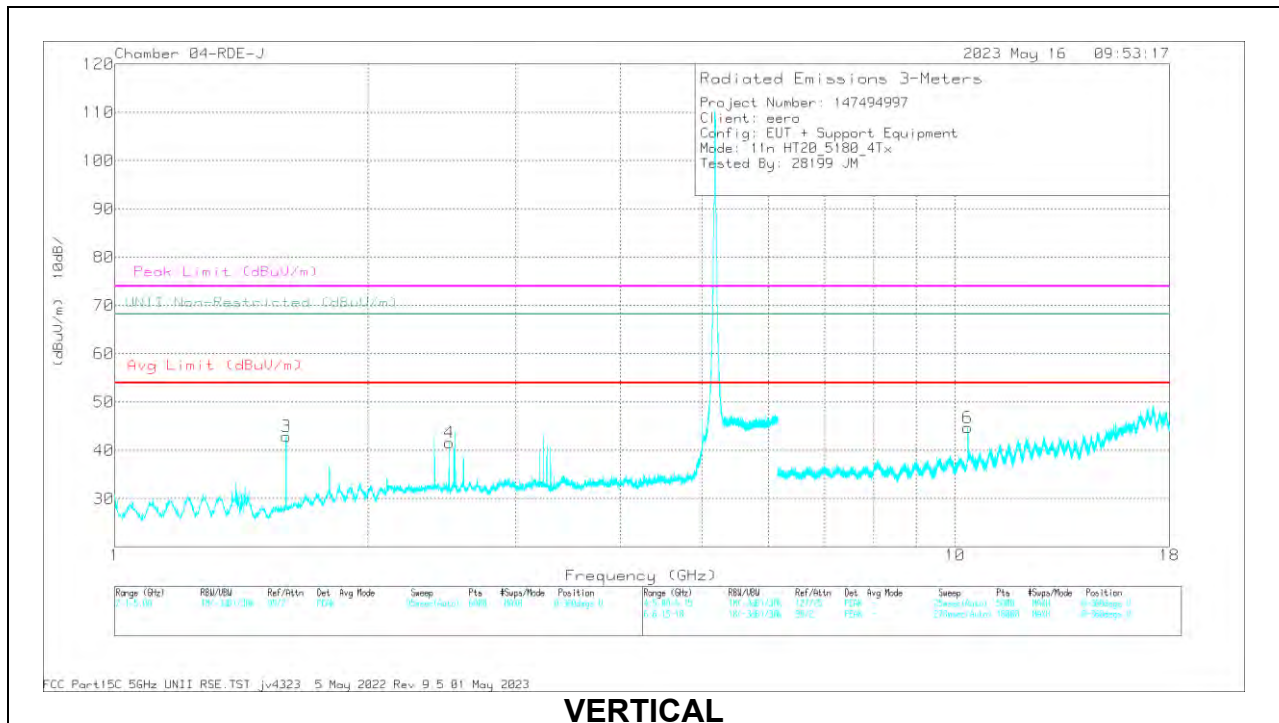


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



### RADIATED EMISSIONS

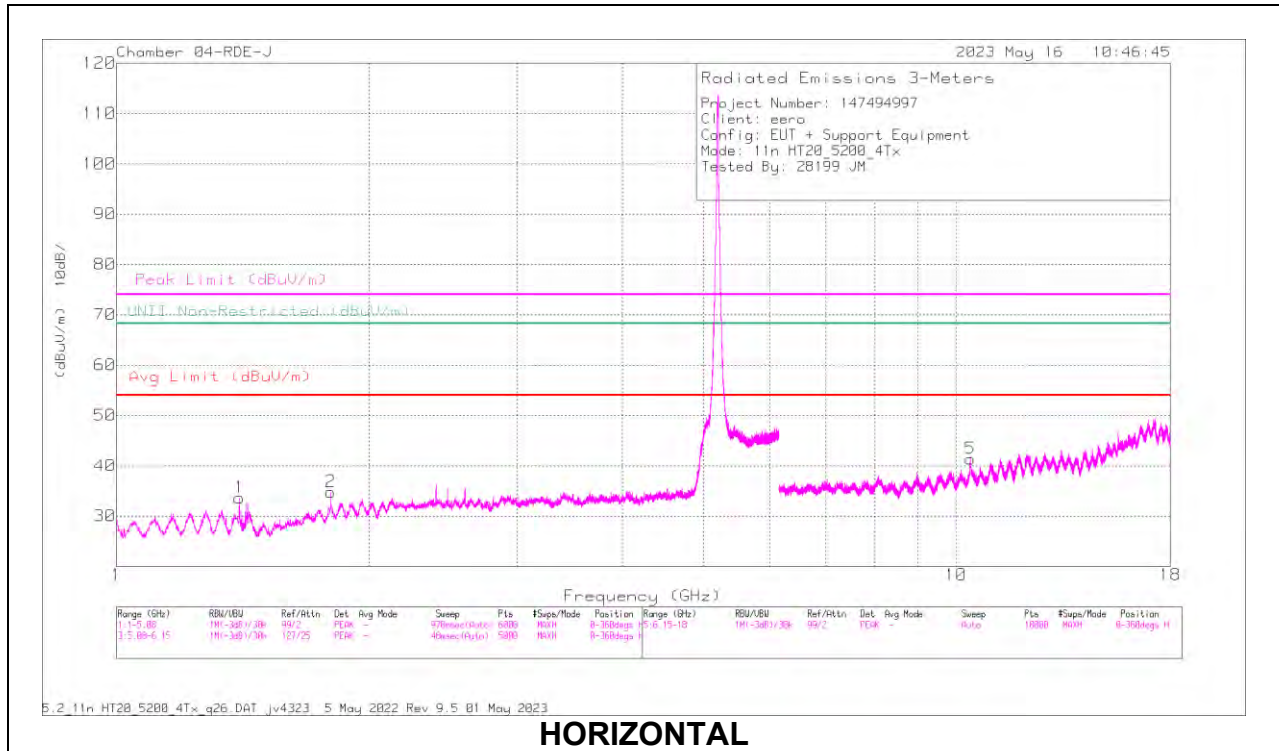
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Filtr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.400479	61.64	PK-U	28.1	-41.9	47.84	-	-	74	-26.16	-	-	332	341	H
	* 1.398279	42.13	ADR	28.1	-41.9	28.33	54	-25.67	-	-	-	-	332	341	H
2	* 2.49064	55.56	PK-U	32.3	-45	42.86	-	-	74	-31.14	-	-	13	195	H
	* 2.491674	44.15	ADR	32.3	-44.9	31.55	54	-22.45	-	-	-	-	13	195	H
3	* 1.599742	59.24	PK-U	27.8	-43.1	43.94	-	-	74	-30.06	-	-	345	392	V
	* 1.599572	42.64	ADR	27.8	-43	27.44	54	-26.56	-	-	-	-	345	392	V
4	* 2.488842	55.56	PK-U	32.3	-45.1	42.76	-	-	74	-31.24	-	-	209	397	V
	* 2.49196	44.16	ADR	32.3	-44.9	31.56	54	-22.44	-	-	-	-	209	397	V
5	10.350815	51.17	PK-U	37.4	-36.2	52.37	-	-	-	-	68.2	-15.83	348	153	H
6	10.353549	53.08	PK-U	37.4	-36.3	54.18	-	-	-	-	68.2	-14.02	328	138	V

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

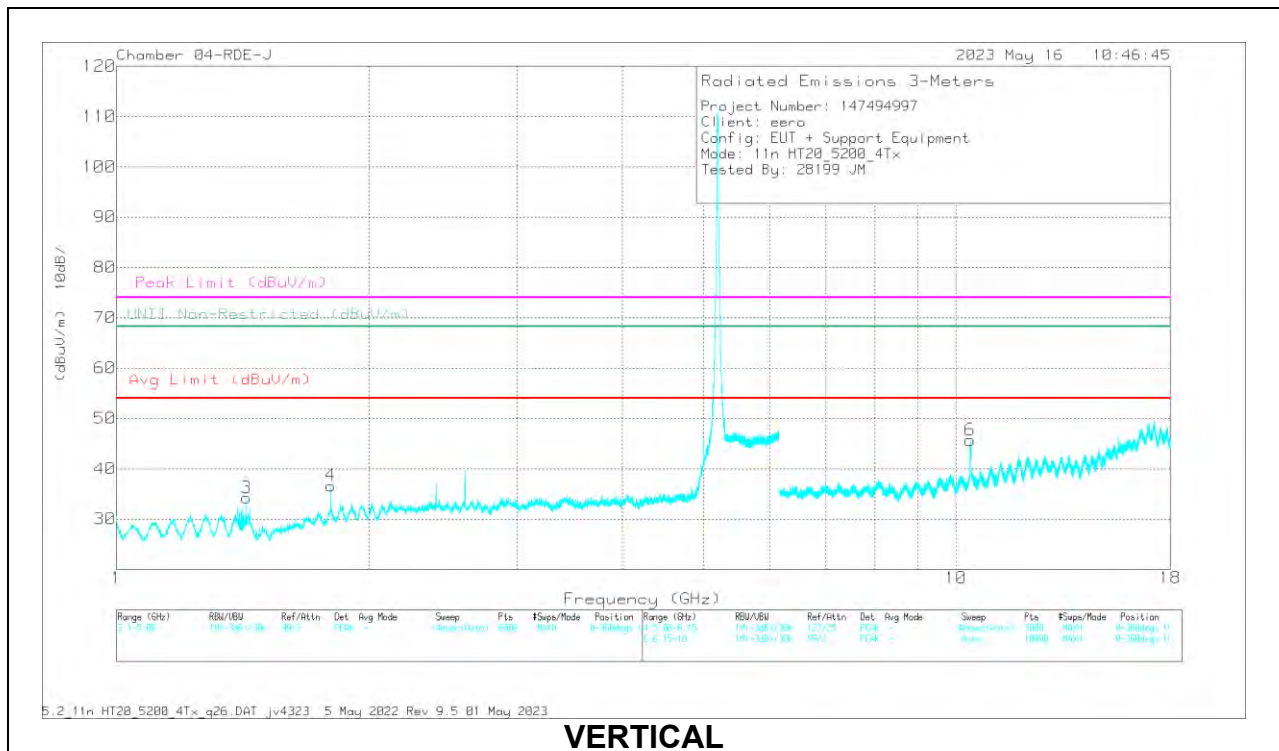
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

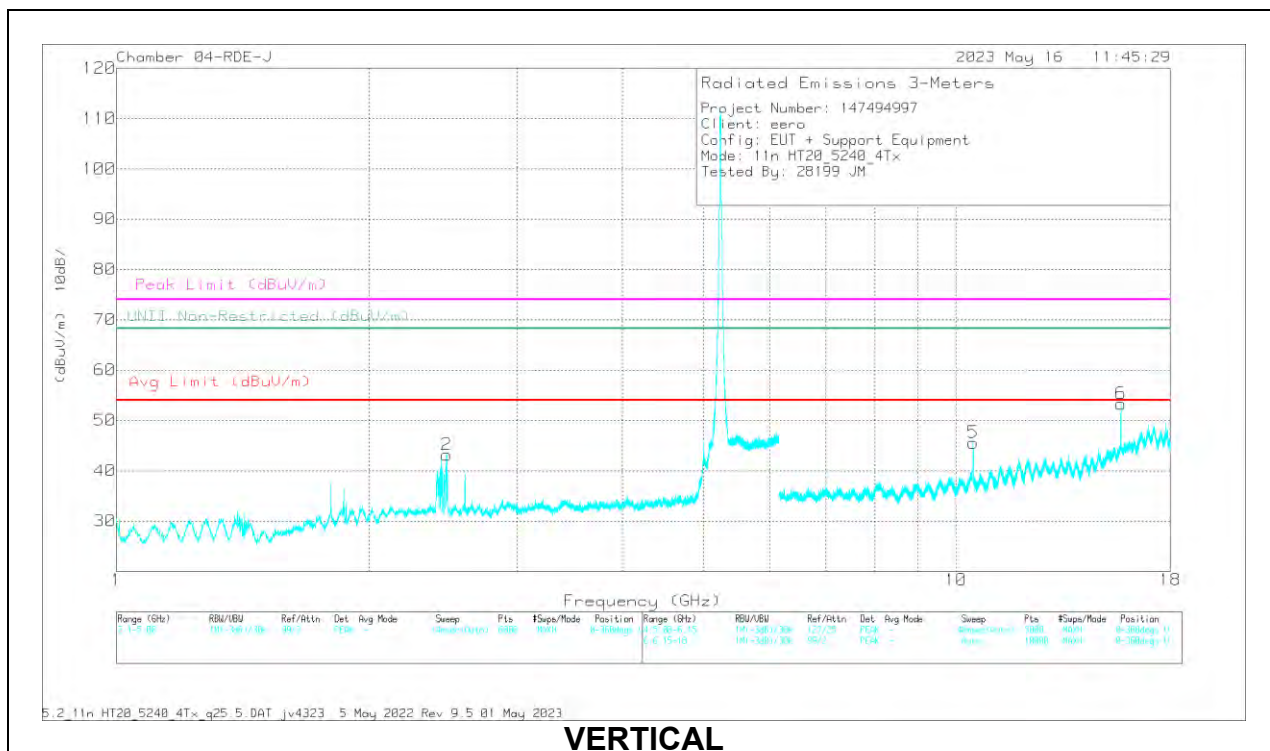
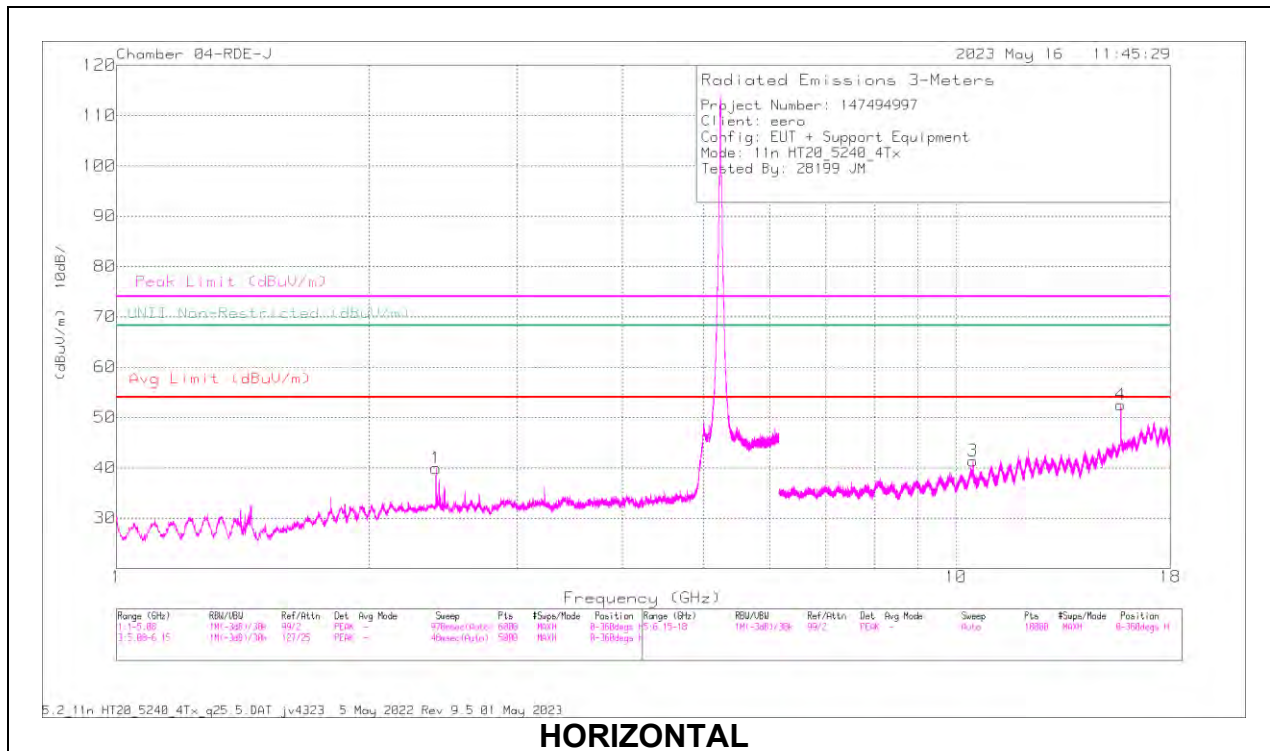
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.399452	59.14	PK-U	28.1	-41.9	45.34	-	-	74	-28.66	-	-	322	386	H
	* 1.395761	41.64	ADR	28.2	-41.9	27.94	54	-26.06	-	-	-	-	322	386	H
2	1.800128	61.25	PK-U	30.5	-43.9	47.85	-	-	-	-	68.2	-20.35	21	262	H
3	* 1.426048	66.19	PK-U	27.9	-41.9	52.19	-	-	74	-21.81	-	-	357	280	V
	* 1.424413	43.9	ADR	27.9	-41.9	29.9	54	-24.1	-	-	-	-	357	280	V
4	1.799525	61.92	PK-U	30.5	-43.9	48.52	-	-	-	-	68.2	-19.68	10	400	V
	* 15.596961	39.38	ADR	40.6	-33.5	46.48	54	-7.52	-	-	-	-	139	192	H
5	10.401398	50.47	PK-U	37.4	-36.3	51.57	-	-	-	-	68.2	-16.63	47	334	H
6	10.39636	54.67	PK-U	37.4	-36.3	55.77	-	-	-	-	68.2	-12.43	317	191	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



### RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Fitr (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	* 1.438742	60.94	PK-U	27.8	-41.7	47.04	-	-	74	-26.96	-	-	314	299	H
	* 1.4404	42.45	ADR	27.8	-41.8	28.45	54	-25.55	-	-	-	-	314	299	H
2	2.472249	57.94	PK-U	32.2	-44.9	45.24	-	-	-	-	68.2	-22.96	41	115	V
3	10.477174	49.59	PK-U	37.4	-35.7	51.29	-	-	-	-	68.2	-16.91	69	129	H
4	* 15.727904	57.9	PK-U	40.9	-34.7	64.1	-	-	74	-9.9	-	-	134	111	H
	* 15.721737	46.11	ADR	40.8	-34.6	52.31	54	-1.69	-	-	-	-	134	111	H
5	* 15.714657	57.06	PK-U	40.8	-34.6	63.26	-	-	74	-10.74	-	-	134	111	H
	* 15.722341	43.43	ADR	40.8	-34.7	49.53	54	-4.47	-	-	-	-	134	111	H
6	10.474149	55.11	PK-U	37.4	-36	56.51	-	-	-	-	68.2	-11.69	322	209	V

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

PK-U - U-NII: Maximum Peak

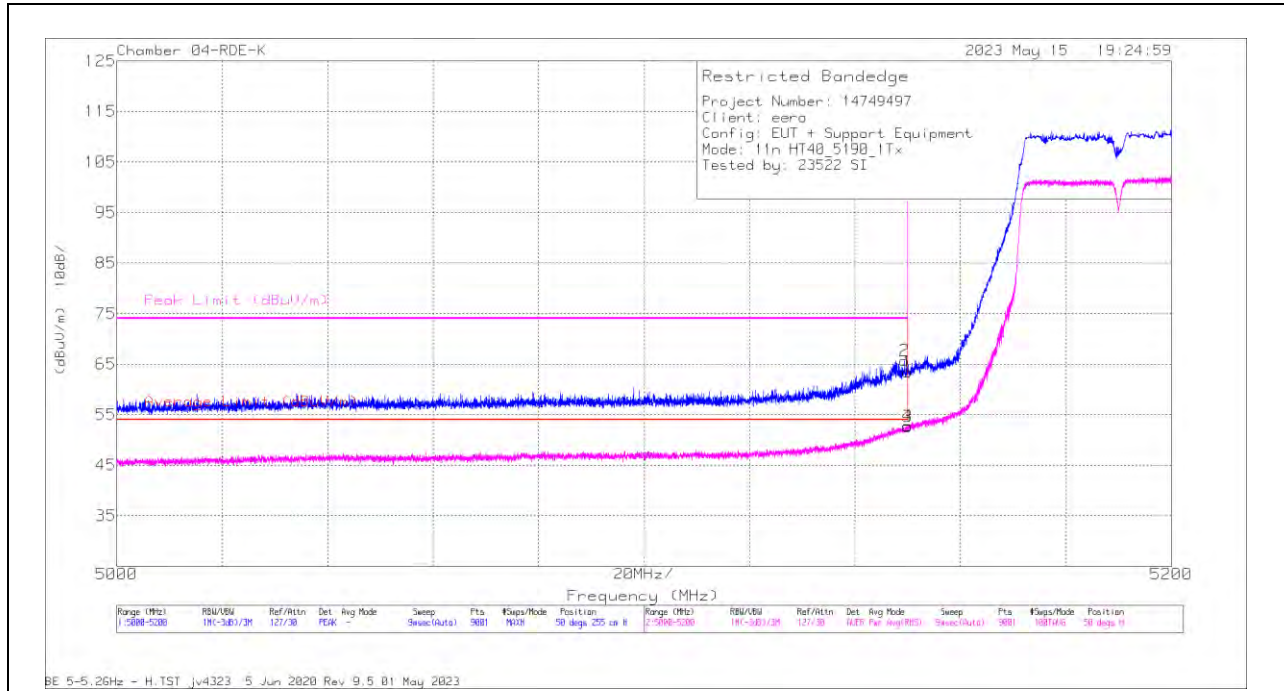
ADR - U-NII AD primary method, RMS average

### 10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



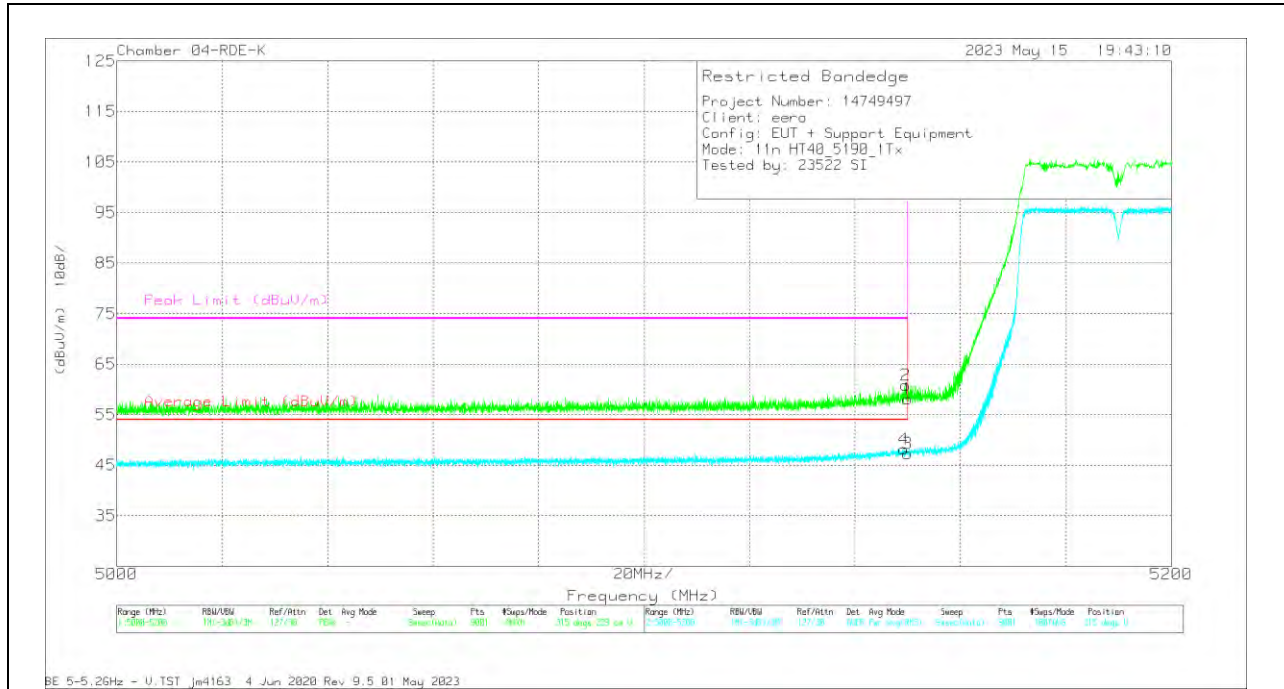
#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.23	Pk	34.1	-30.9	63.43	-	-	74	-10.57	50	255	H
2	* 5149.332	62.54	Pk	34.1	-30.9	65.74	-	-	74	-8.26	50	255	H
3	* 5150	49.42	RMS	34.1	-30.9	52.62	54	-1.38	-	-	50	255	H
4	* 5149.91	49.59	RMS	34.1	-30.9	52.79	54	-1.21	-	-	50	255	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection



### VERTICAL RESULT



### Trace Markers

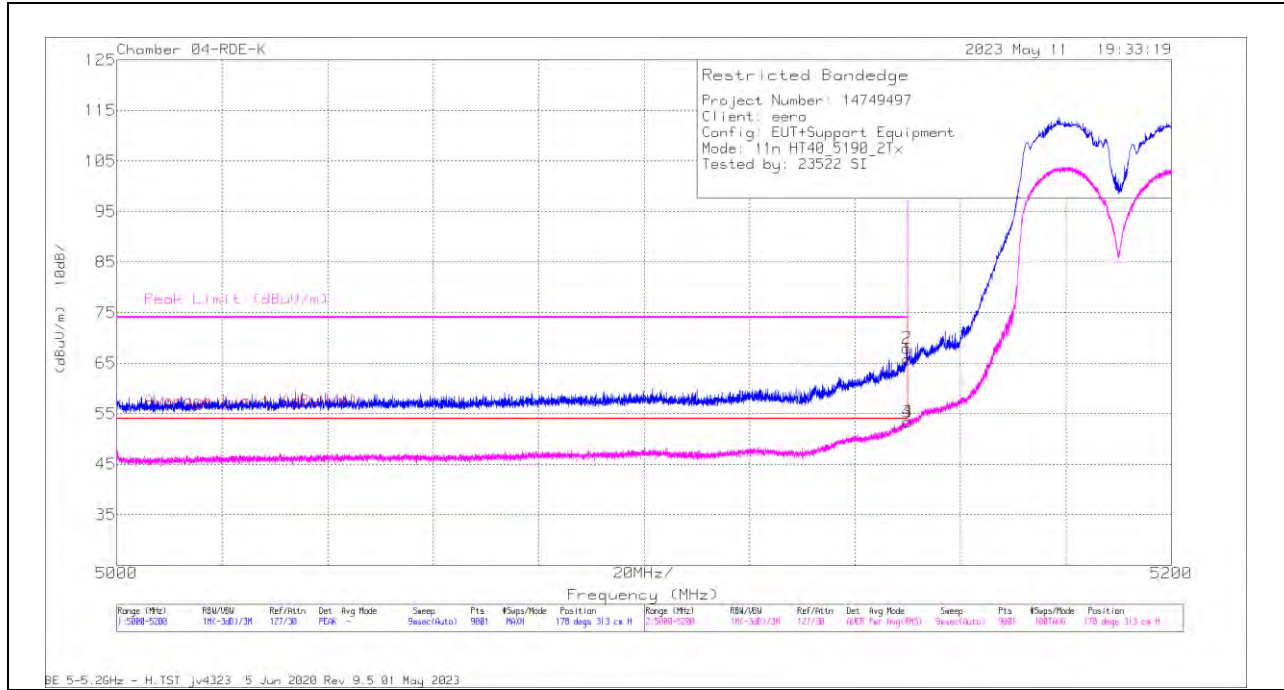
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	54.86	Pk	34.1	-30.9	58.06	-	-	74	-15.94	315	229	V
2	* 5149.621	57.69	Pk	34.1	-30.9	60.89	-	-	74	-13.11	315	229	V
3	* 5150	44.15	RMS	34.1	-30.9	47.35	54	-6.65	-	-	315	229	V
4	* 5149.265	44.99	RMS	34.1	-30.9	48.19	54	-5.81	-	-	315	229	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**2TX Antenna 6 + Antenna 4 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

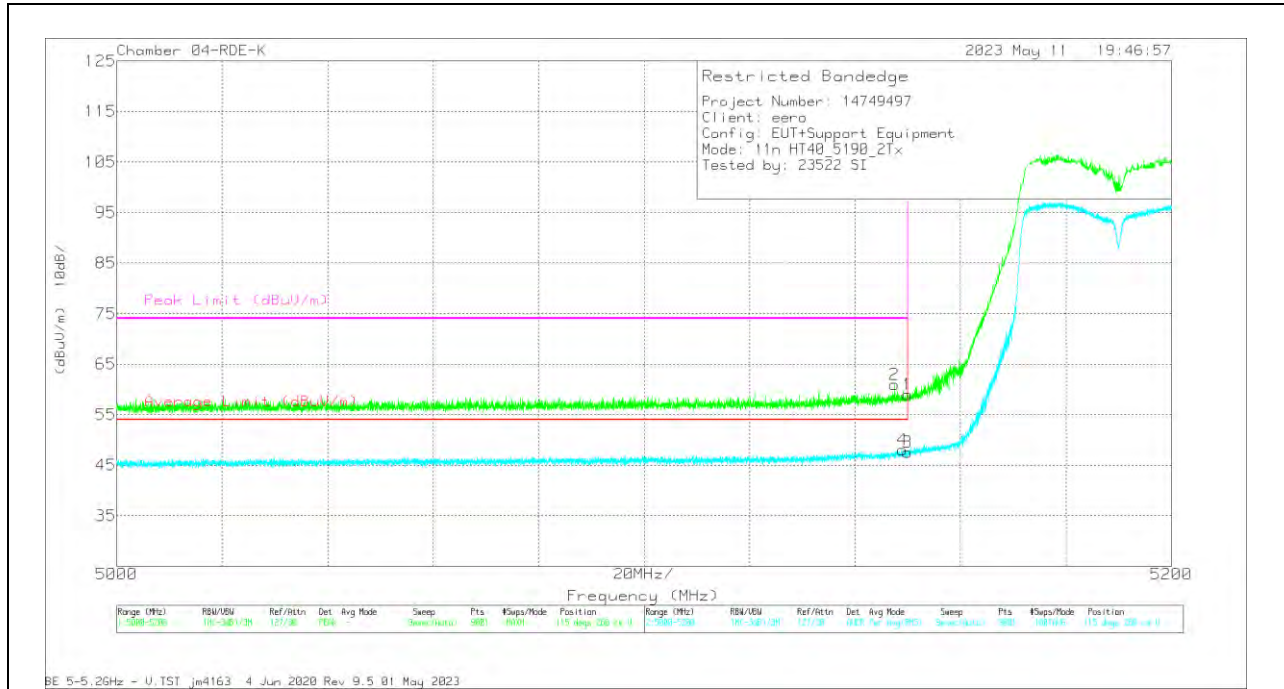


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	62.66	Pk	34.1	-30.9	65.86	-	-	74	-8.14	178	313	H
2	* 5149.865	64.78	Pk	34.1	-30.9	67.98	-	-	74	-6.02	178	313	H
3	* 5150	50.21	RMS	34.1	-30.9	53.41	54	-59	-	-	178	313	H
4	* 5149.999	50.23	RMS	34.1	-30.9	53.43	54	-57	-	-	178	313	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

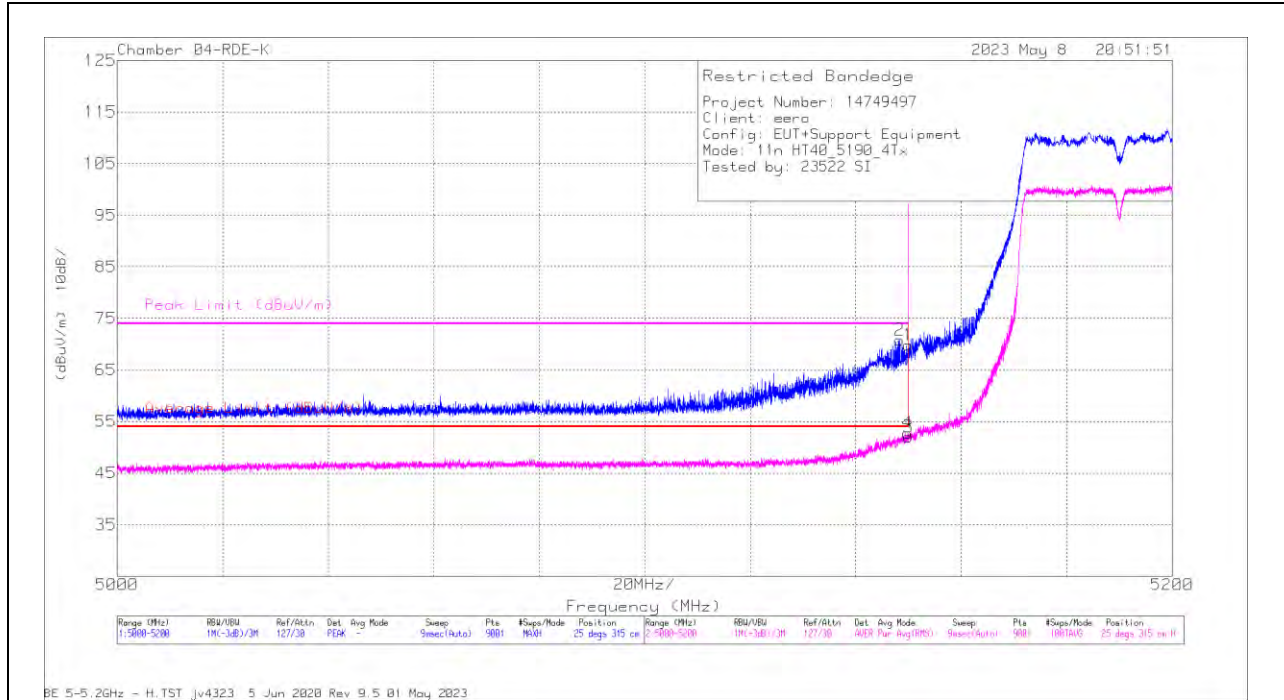
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	55.8	Pk	34.1	-30.9	59	-	-	74	-15	115	260	V
2	* 5147.487	57.81	Pk	34	-30.8	61.01	-	-	74	-12.99	115	260	V
3	* 5150	44.36	RMS	34.1	-30.9	47.56	54	-6.44	-	-	115	260	V
4	* 5148.999	44.95	RMS	34	-30.9	48.05	54	-5.95	-	-	115	260	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

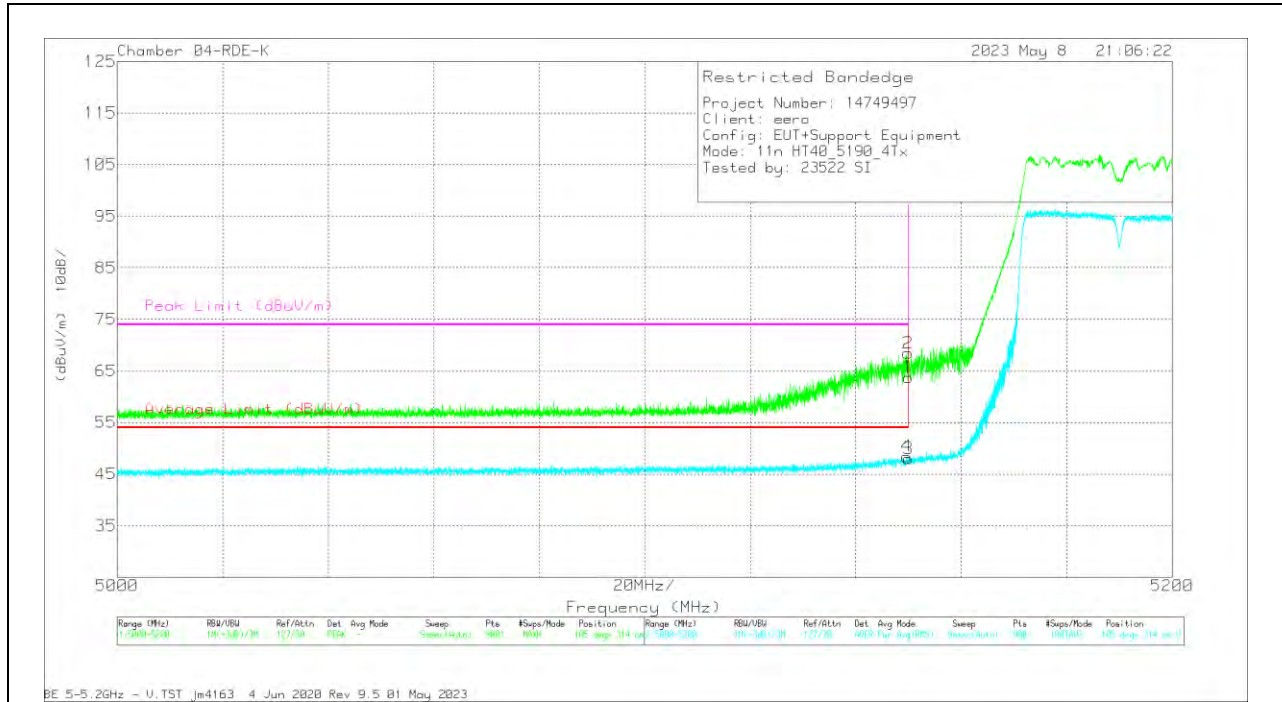
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	66.64	Pk	34.1	-30.9	69.84	-	-	74	-4.16	25	315	H
2	* 5148.265	67.6	Pk	34	-30.8	70.8	-	-	74	-3.2	25	315	H
3	* 5150	48.85	RMS	34.1	-30.9	52.05	54	-1.95	-	-	25	315	H
4	* 5149.843	49.61	RMS	34.1	-30.9	52.81	54	-1.19	-	-	25	315	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

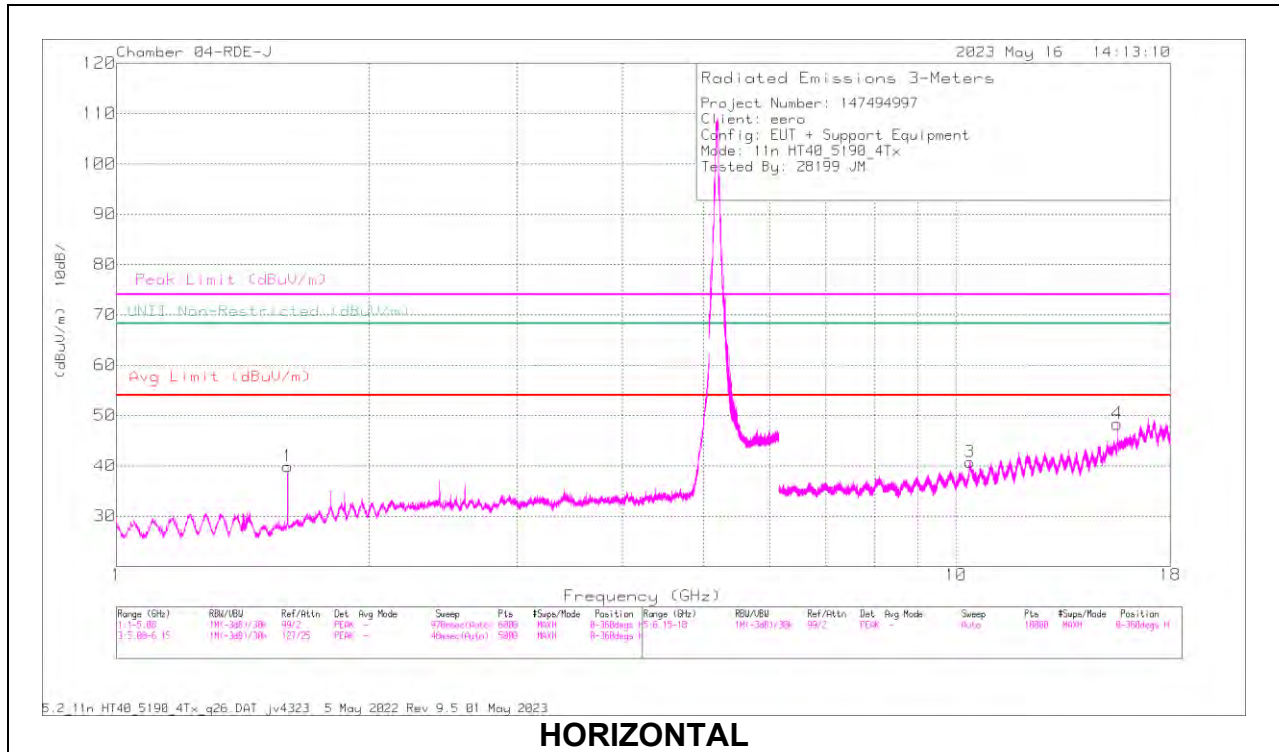
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.54	PK	34.1	-30.9	63.74	-	-	74	-10.26	105	314	V
2	* 5149.887	65.25	PK	34.1	-30.9	68.45	-	-	74	-5.55	105	314	V
3	* 5150	44.82	RMS	34.1	-30.9	48.02	54	-5.98	-	-	105	314	V
4	* 5149.665	45.22	RMS	34.1	-30.9	48.42	54	-5.58	-	-	105	314	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

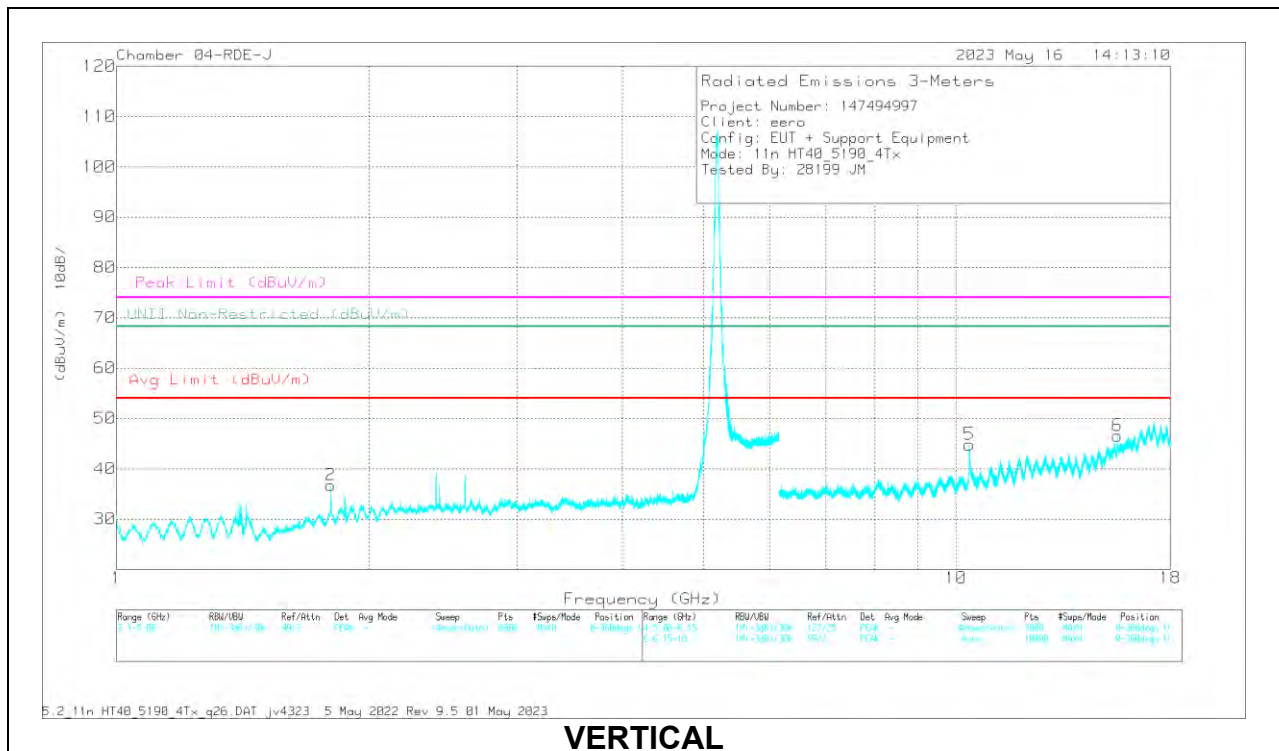


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



### RADIATED EMISSIONS

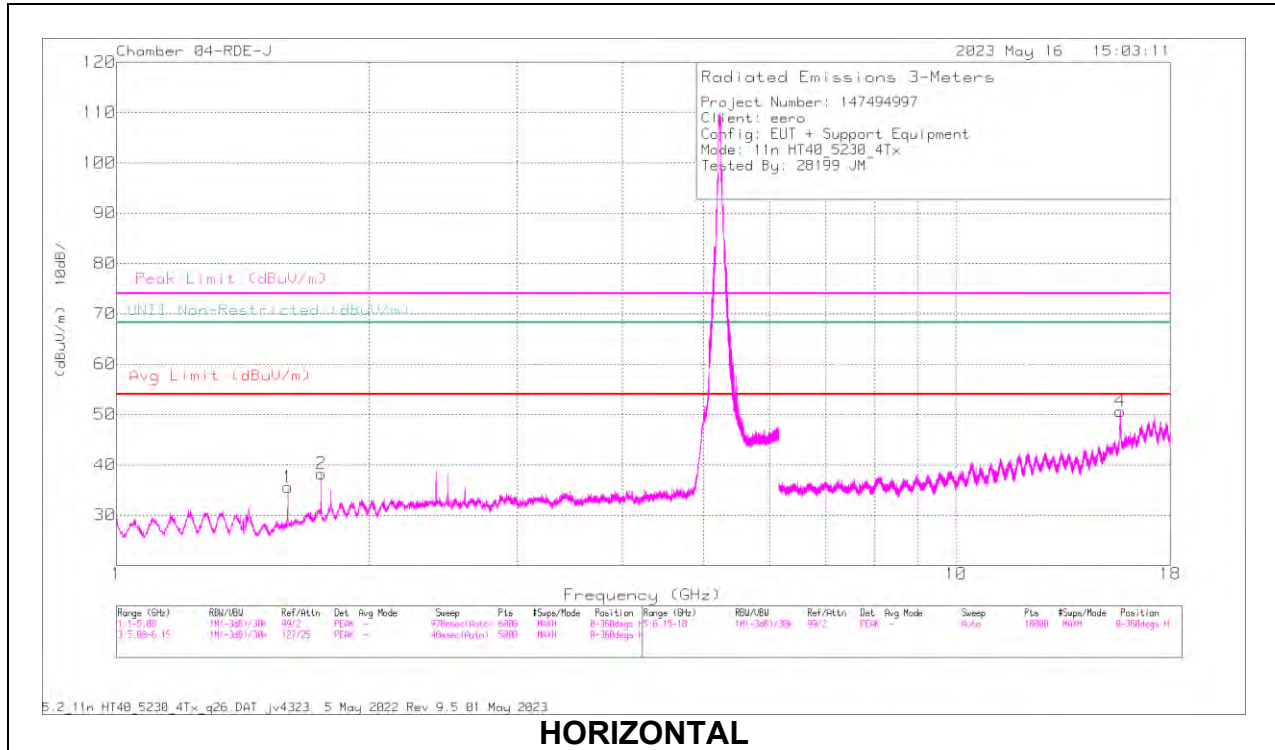
Marker	Frequency (GHz)	Meter Reading (dBuV)	Dot	222741 ACF(dB) - 3mH	Amp/Cbl/Fit r (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.600115	61.42	PK-U	27.8	-43.1	46.12	-	-	74	-27.88	-	-	296	197	H
	* 1.600264	43.56	ADR	27.8	-43.1	28.26	54	-25.74	-	-	-	-	296	197	H
2	1.800402	61.67	PK-U	30.5	-43.9	48.27	-	-	-	-	68.2	-19.93	360	114	V
3	10.394352	48.94	PK-U	37.4	-36.2	50.14	-	-	-	-	68.2	-18.06	66	150	H
4	* 15.56553	47.86	PK-U	40.6	-33.5	54.96	-	-	74	-19.04	-	-	166	342	H
	* 15.578602	35.79	ADR	40.6	-33.3	43.09	54	-10.91	-	-	-	-	166	342	H
5	10.376679	52.82	PK-U	37.4	-35.9	54.32	-	-	-	-	68.2	-13.88	326	173	V
6	* 15.57913	47.7	PK-U	40.6	-33.3	55	-	-	74	-19	-	-	203	232	V
	* 15.579664	36.26	ADR	40.6	-33.4	43.46	54	-10.54	-	-	-	-	203	232	V

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

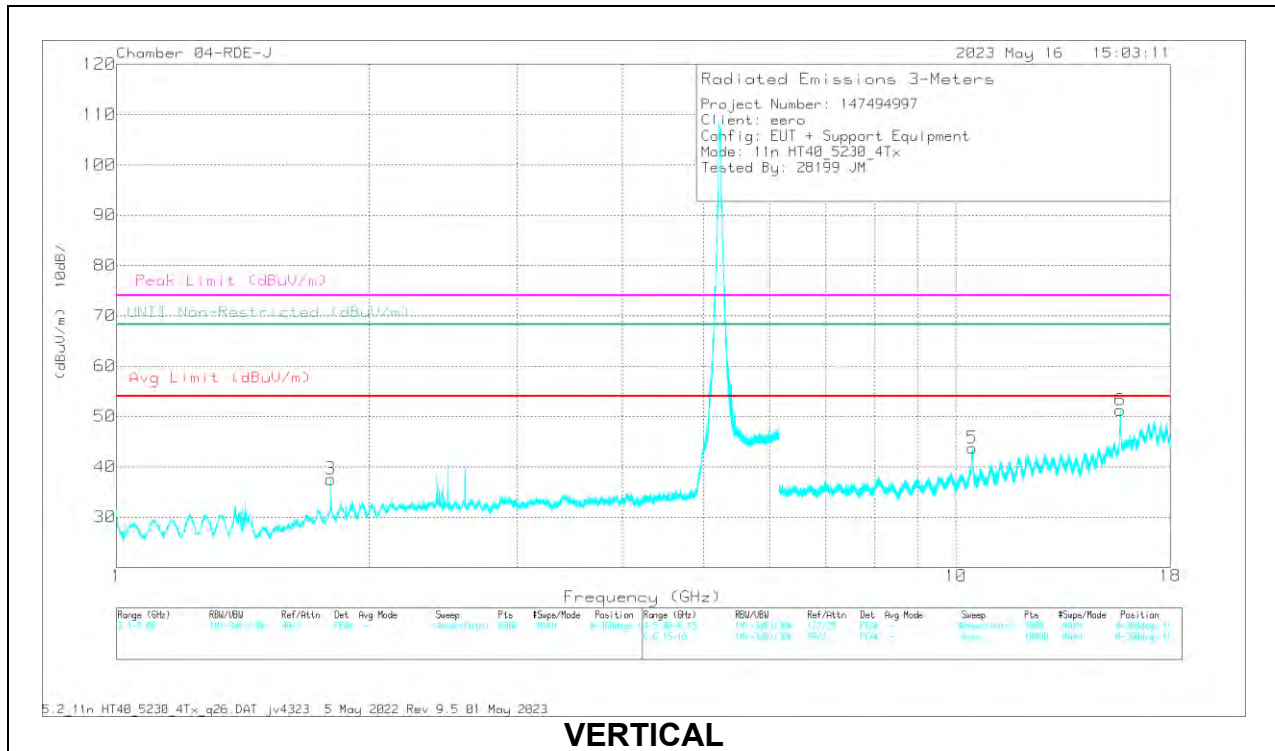
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Dot	222741 ACF(dB) - 3mH	Amp/Cbl/Fitter (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	* 1.599852	61.33	PK-U	27.8	-43.1	46.03	-	-	74	-27.97	-	-	247	326	H
	* 1.600057	44.2	ADR	27.8	-43.1	28.9	54	-25.1	-	-	-	-	247	326	H
2	1.751227	57.15	PK-U	30.1	-43.5	43.75	-	-	-	-	68.2	-24.45	184	107	H
3	1.799967	59.93	PK-U	30.5	-43.9	46.53	-	-	-	-	68.2	-21.67	0	152	V
4	* 15.691151	53.7	PK-U	40.8	-34	60.5	-	-	74	-13.5	-	-	189	116	H
	* 15.690757	42.29	ADR	40.8	-34	49.09	54	-4.91	-	-	-	-	189	116	H
5	10.450417	54.06	PK-U	37.4	-36	55.46	-	-	-	-	68.2	-12.74	323	201	V
6	* 15.699759	55.32	PK-U	40.8	-34.4	61.72	-	-	74	-12.28	-	-	167	106	V
	* 15.697409	43.65	ADR	40.8	-34.4	50.05	54	-3.95	-	-	-	-	167	106	V

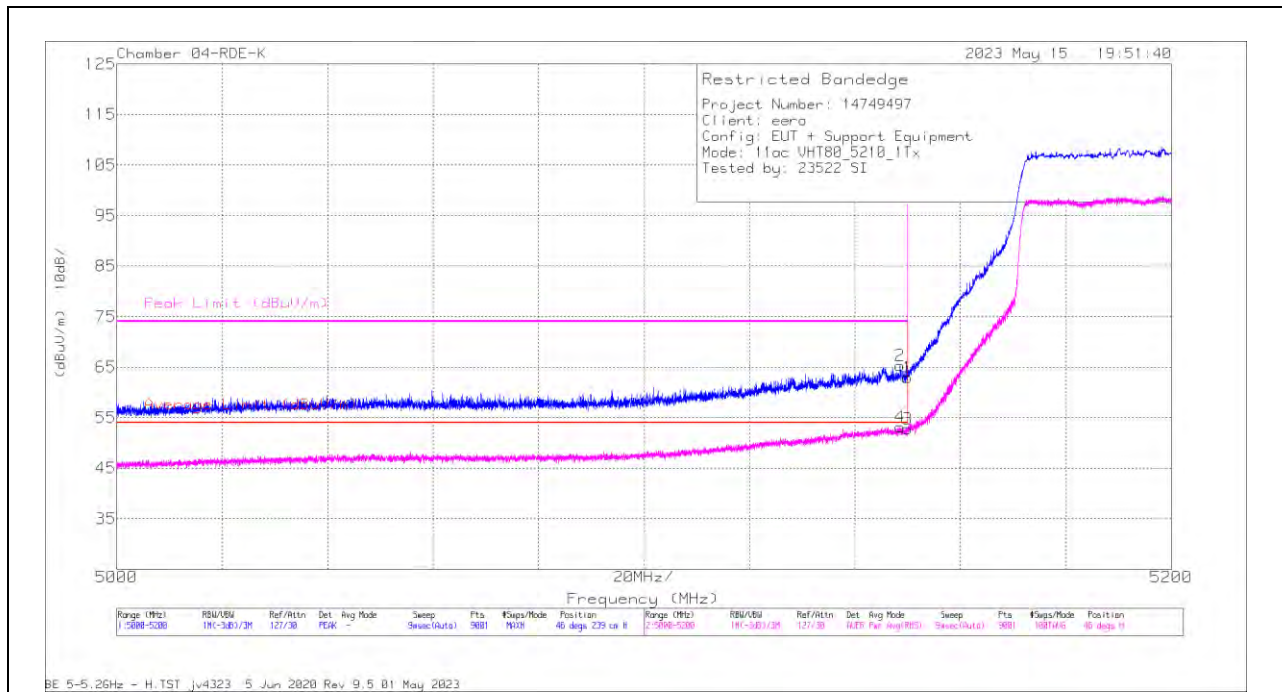
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### 10.1.4. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



#### Trace Markers

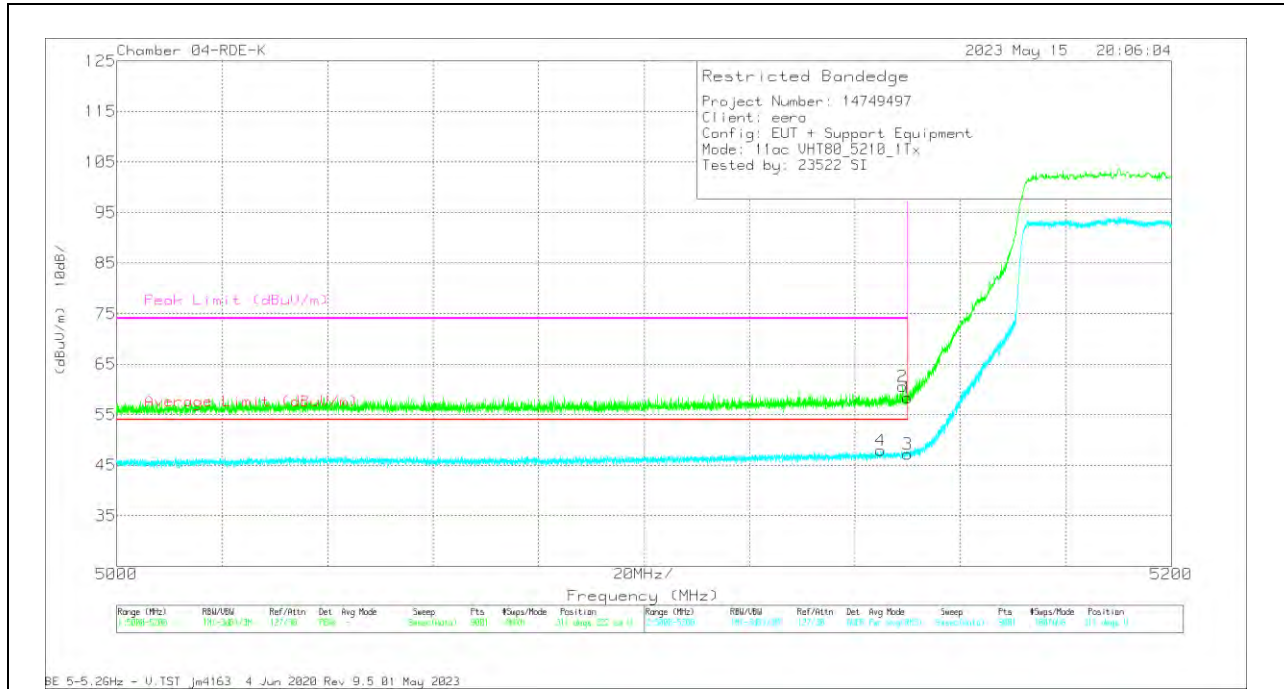
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	59.74	Pk	34.1	-30.9	62.94	-	-	74	-11.06	46	239	H
2	* 5148.576	62.24	Pk	34	-30.9	65.34	-	-	74	-8.66	46	239	H
3	* 5150	49.56	RMS	34.1	-30.9	52.76	54	-1.24	-	-	46	239	H
4	* 5148.51	50.03	RMS	34	-30.9	53.13	54	-0.87	-	-	46	239	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

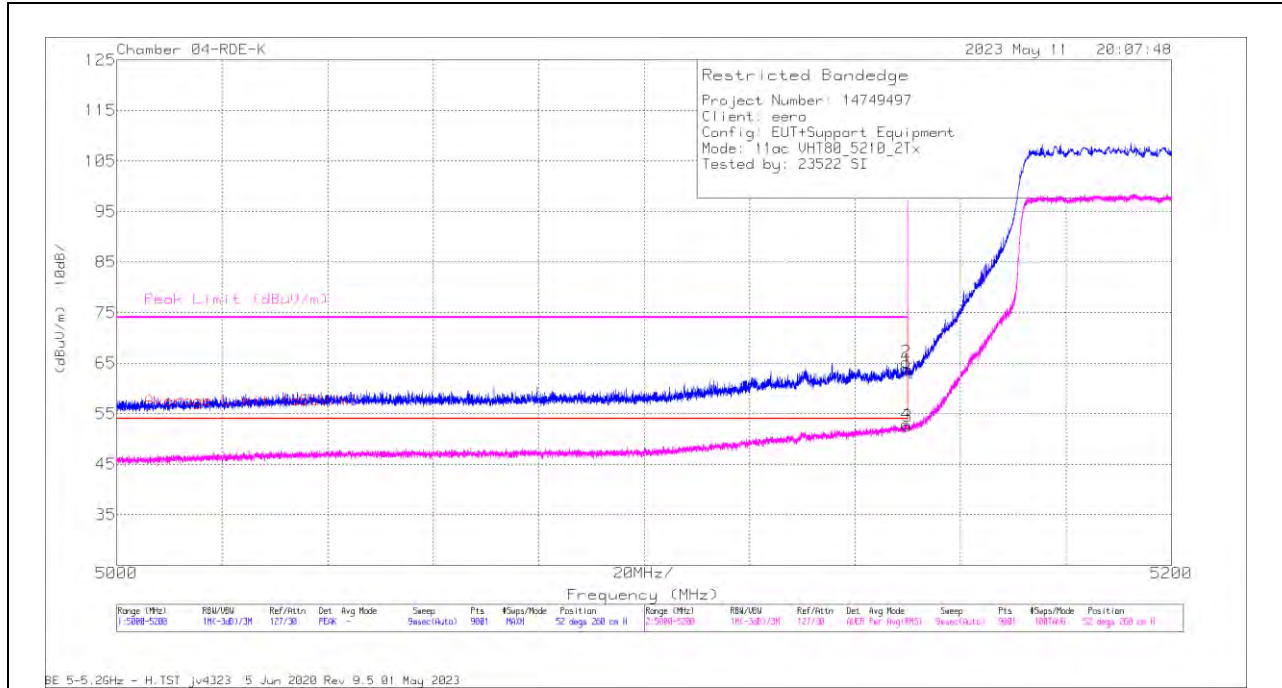
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	55.15	Pk	34.1	-30.9	58.35	-	-	74	-15.65	311	222	V
2	* 5148.999	57.46	Pk	34	-30.9	60.56	-	-	74	-13.44	311	222	V
3	* 5150	44	RMS	34.1	-30.9	47.2	54	-6.8	-	-	311	222	V
4	* 5144.91	44.69	RMS	34	-30.8	47.89	54	-6.11	-	-	311	222	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**2TX Antenna 6 + Antenna 4 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



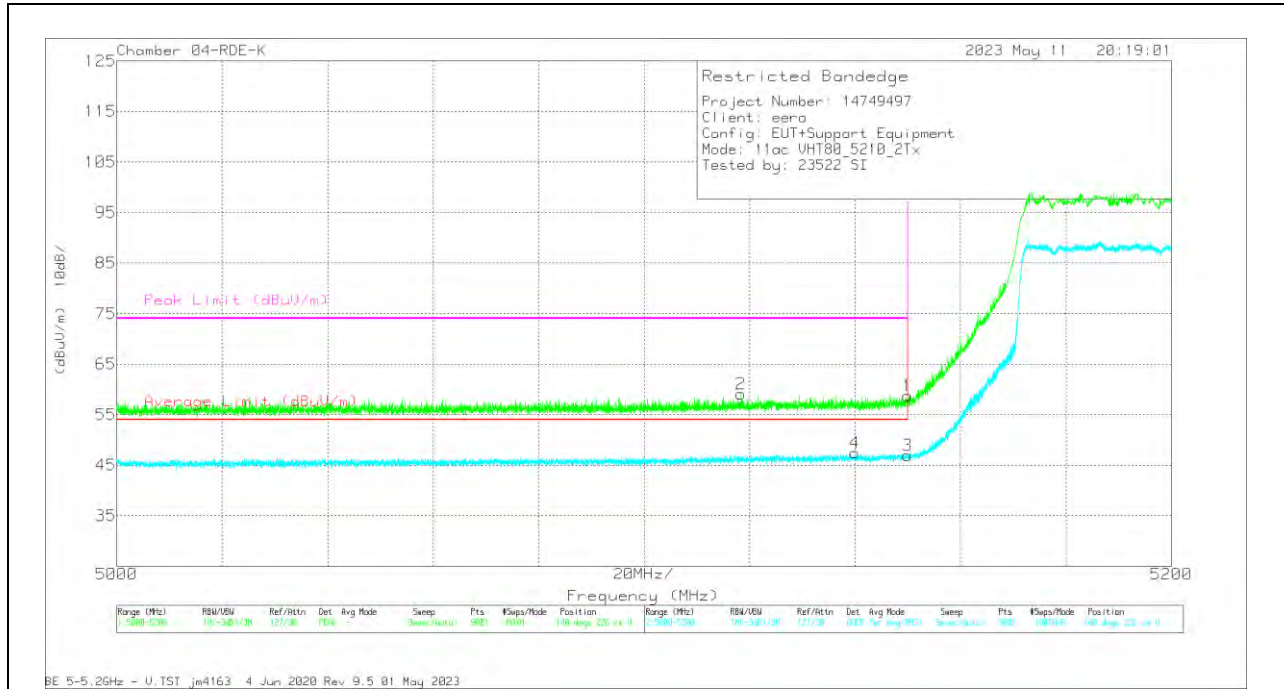
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.53	Pk	34.1	-30.9	63.73	-	-	74	-10.27	52	260	H
2	* 5149.687	62.05	Pk	34.1	-30.9	65.25	-	-	74	-8.75	52	260	H
3	* 5150	49.29	RMS	34.1	-30.9	52.49	54	-1.51	-	-	52	260	H
4	* 5149.71	49.7	RMS	34.1	-30.9	52.9	54	-1.1	-	-	52	260	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection



### VERTICAL RESULT



### Trace Markers

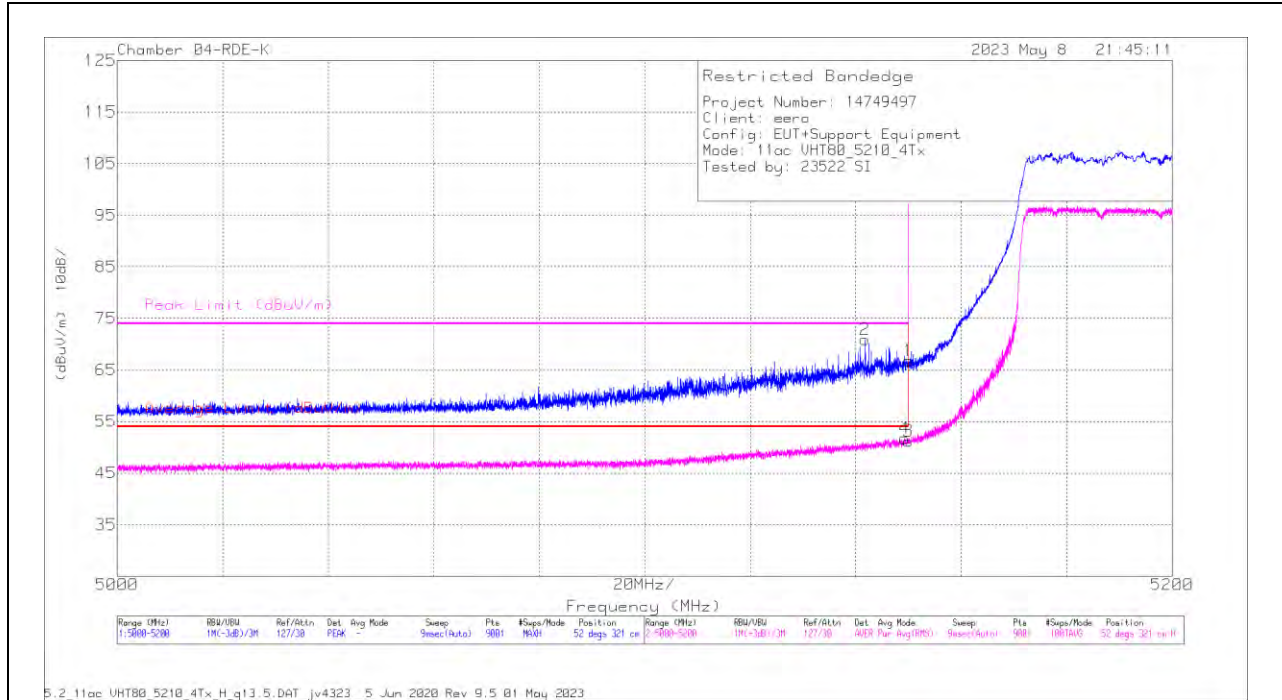
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	55.55	Pk	34.1	-30.9	58.75	-	-	74	-15.25	140	226	V
2	* 5118.399	55.96	Pk	34	-30.9	59.06	-	-	74	-14.94	140	226	V
3	* 5150	43.73	RMS	34.1	-30.9	46.93	54	-7.07	-	-	140	226	V
4	* 5139.932	44.19	RMS	34	-30.8	47.39	54	-6.61	-	-	140	226	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

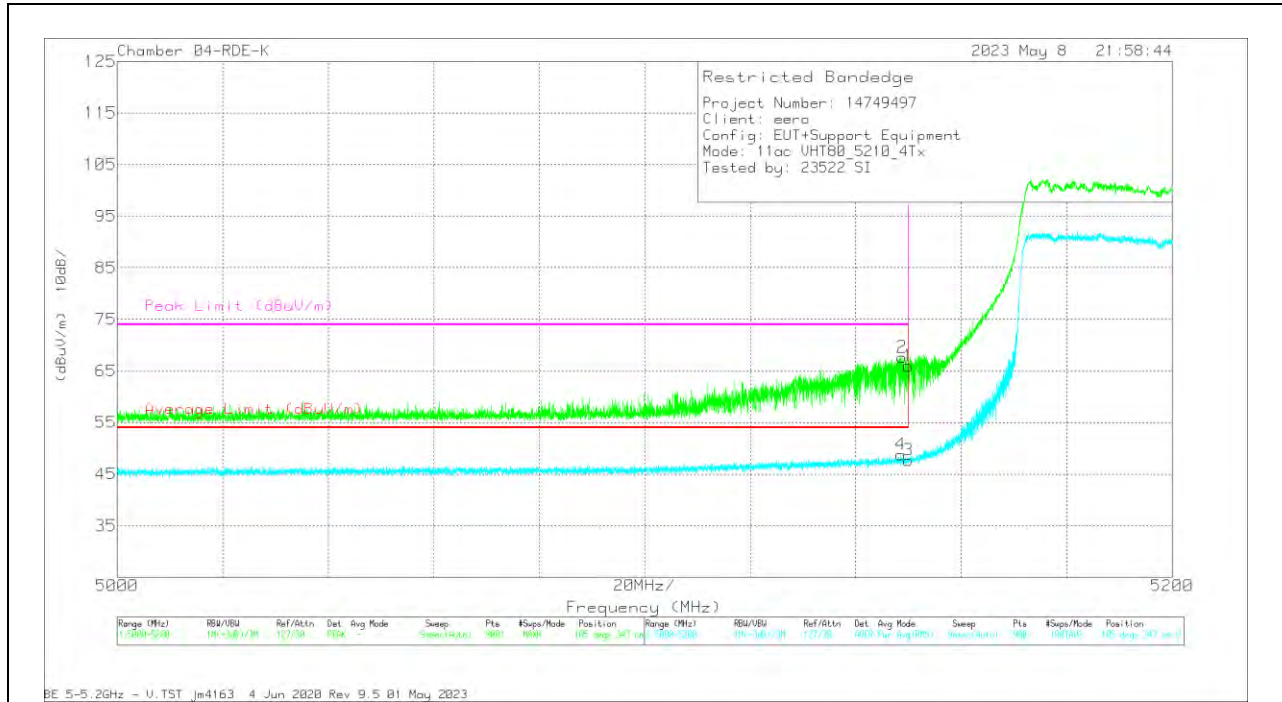
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	63.54	Pk	34.1	-30.9	66.74	-	-	74	-7.26	52	321	H
2	* 5141.776	67.79	Pk	34	-30.9	70.89	-	-	74	-3.11	52	321	H
3	* 5150	48.01	RMS	34.1	-30.9	51.21	54	-2.79	-	-	52	321	H
4	* 5149.221	48.54	RMS	34.1	-30.9	51.74	54	-2.26	-	-	52	321	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	62.78	Pk	34.1	-30.9	65.98	-	-	74	-8.02	105	347	V
2	* 5148.799	64.55	Pk	34	-30.9	67.65	-	-	74	-6.35	105	347	V
3	* 5150	44.5	RMS	34.1	-30.9	47.7	54	-6.3	-	-	105	347	V
4	* 5148.554	45.7	RMS	34	-30.9	48.8	54	-5.2	-	-	105	347	V

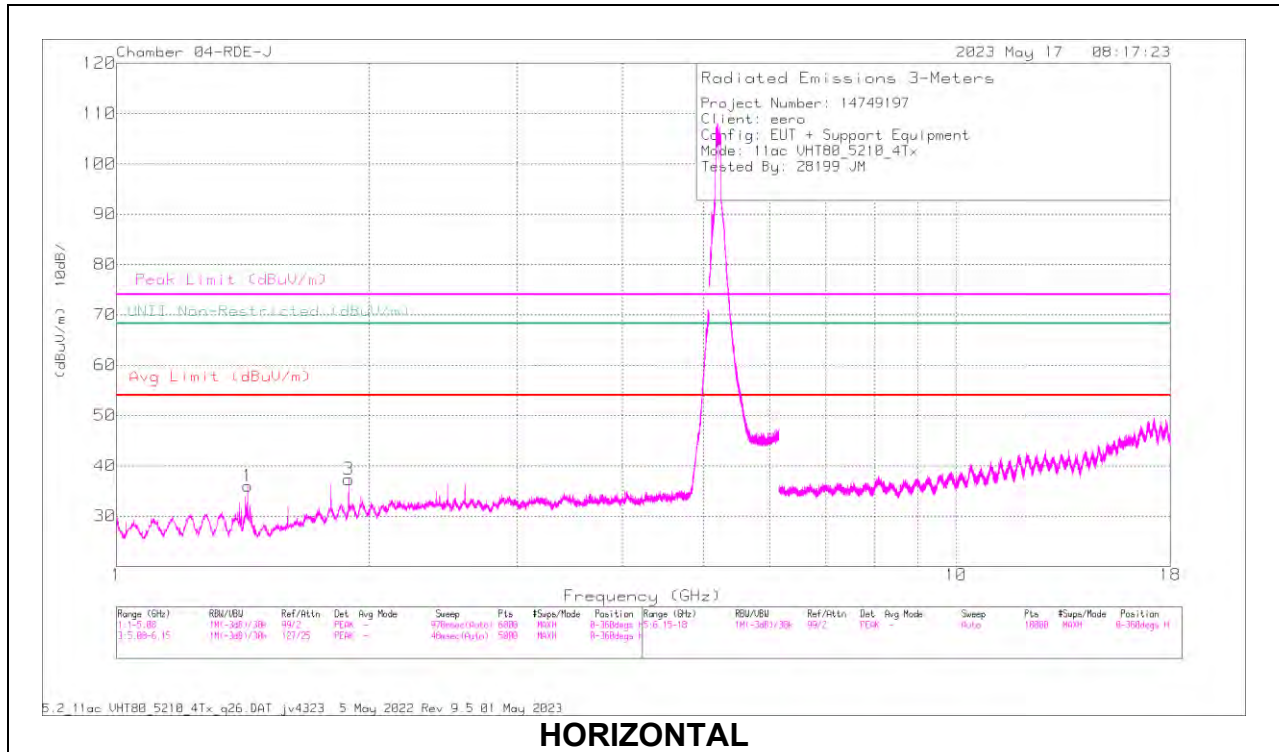
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

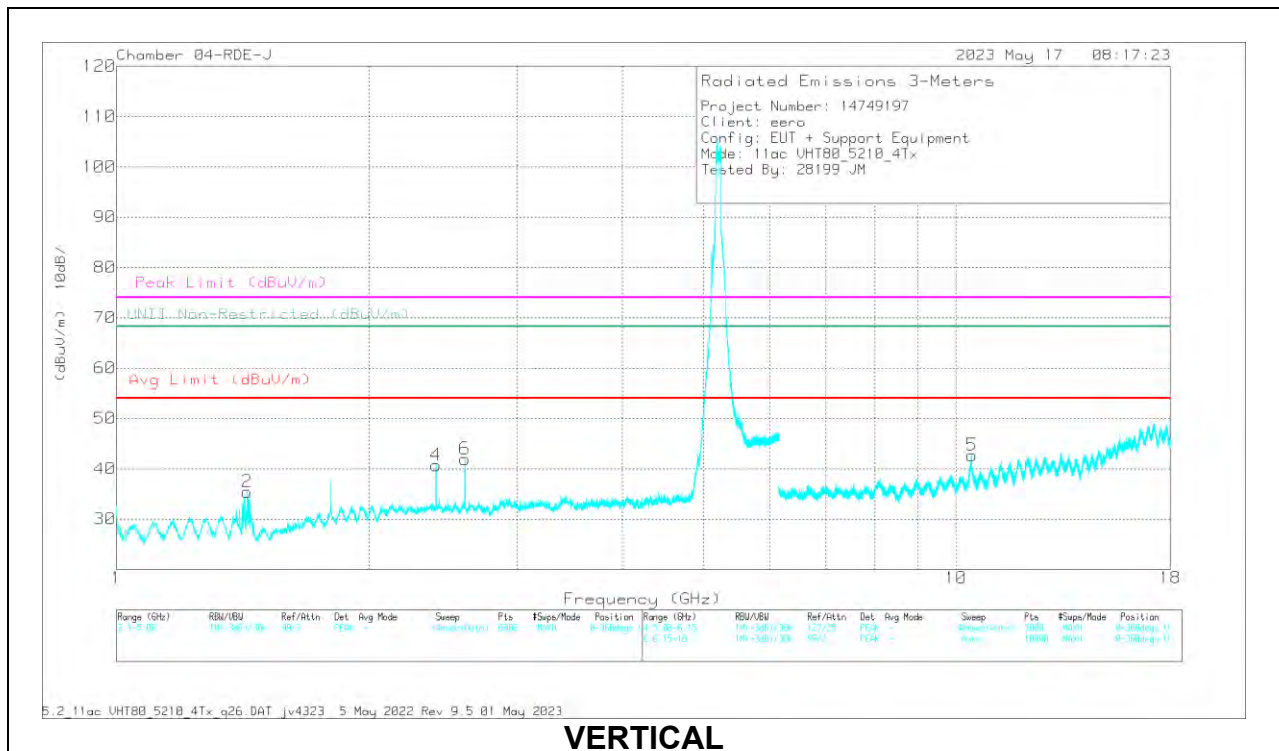
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

### RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Filtr (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	* 1.399219	64.35	PK-U	28.1	-41.9	50.55	-	-	74	-23.45	-	-	339	205	H
	* 1.440031	43.17	ADR	27.8	-41.8	29.17	54	-24.83	-	-	-	-	339	205	H
3	1.891862	58.02	PK-U	30.9	-43.8	45.12	-	-	-	-	68.2	-23.08	20	222	H
2	* 1.435534	64.05	PK-U	27.8	-41.9	49.95	-	-	74	-24.05	-	-	10	165	V
	* 1.440189	42.98	ADR	27.8	-41.8	28.98	54	-25.02	-	-	-	-	10	165	V
4	2.401737	61.16	PK-U	32	-45.3	47.86	-	-	-	-	68.2	-20.34	17	312	V
6	2.600313	60.65	PK-U	32.3	-45.5	47.45	-	-	-	-	68.2	-20.75	52	199	V
5	10.43627	52.26	PK-U	37.4	-35.9	53.76	-	-	-	-	68.2	-14.44	315	211	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

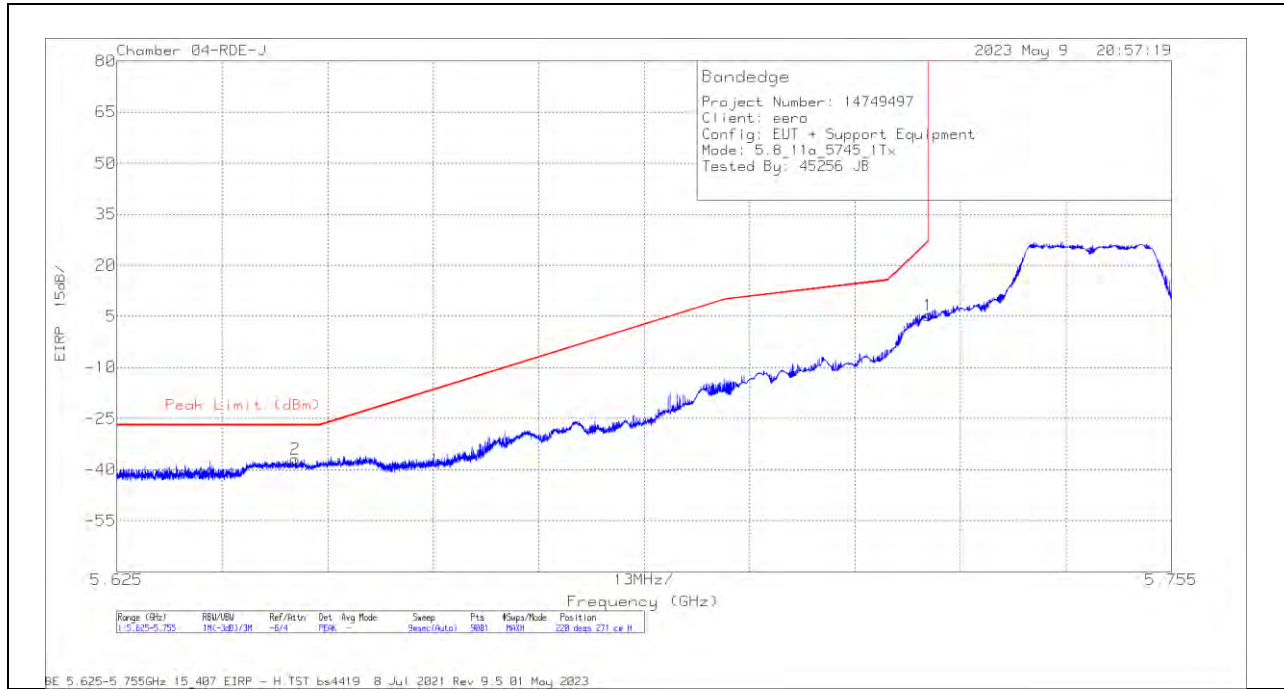


### 10.1.5. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT

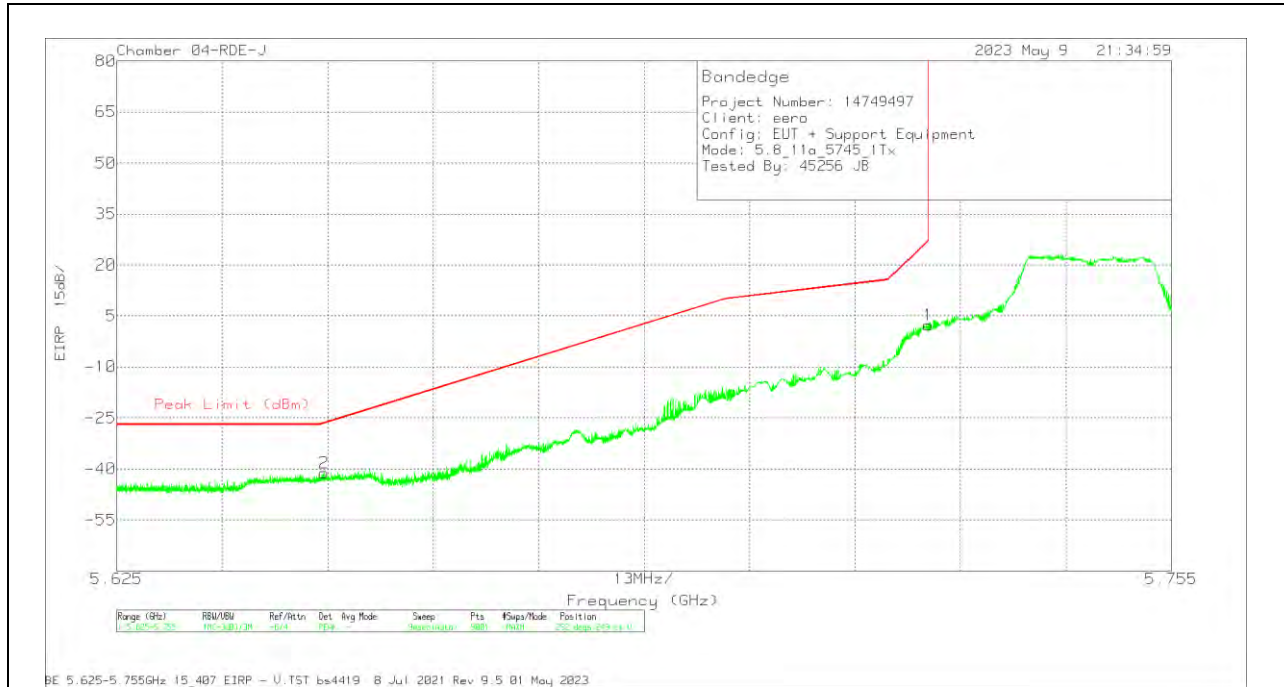


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-27.9	Pk	34.7	-13.4	11.8	5.2	27	-21.8	220	271	H
2	5.647027	-69.78	Pk	34.6	-13.6	11.8	-36.98	-27	-9.98	220	271	H

Pk - Peak detector

### VERTICAL RESULT



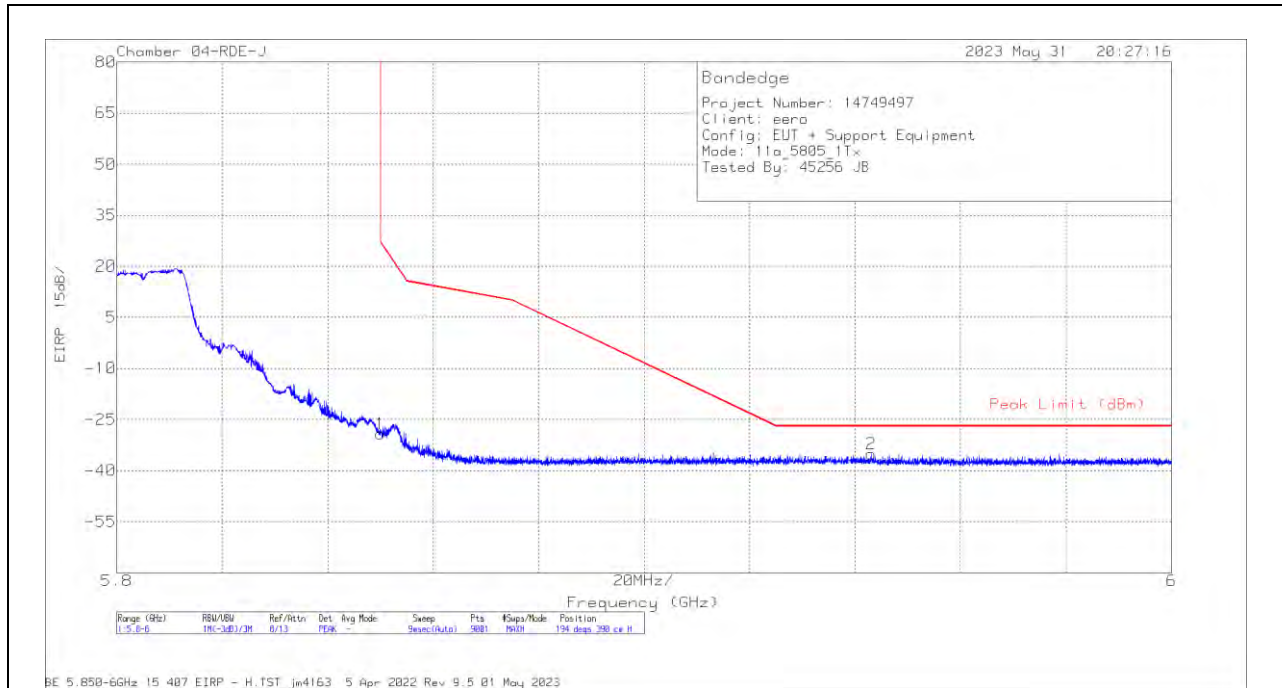
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-30.78	PK	34.7	-13.4	11.8	2.32	27	-24.68	292	249	V
2	5.650523	-73.98	PK	34.6	-13.6	11.8	-41.18	-26.61	-14.57	292	249	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

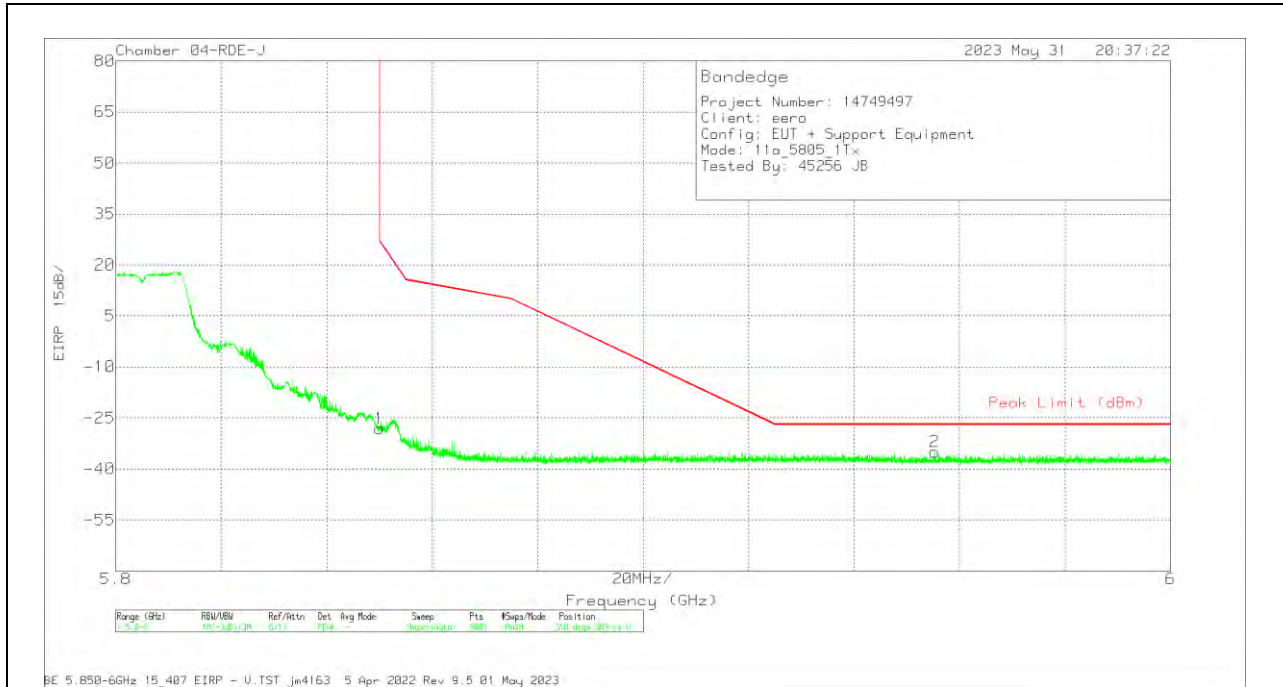


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.98	PK	34.8	-12.8	11.8	-29.18	27	-56.18	194	390	H
2	5.943065	-69.1	PK	35	-12.8	11.8	-35.1	-27	-8.1	194	390	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

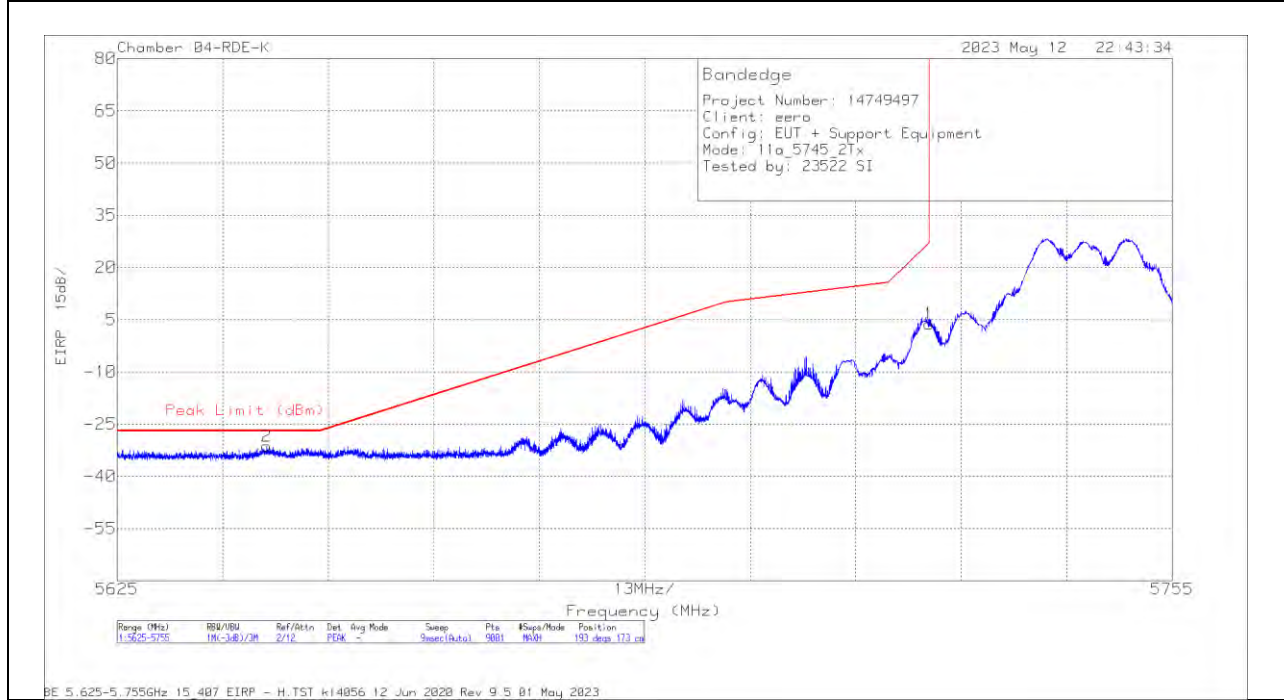
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.86	PK	34.8	-12.8	11.8	-28.06	27	-55.06	310	389	V
2	5.95531	-68.59	PK	35	-13.2	11.8	-34.99	-27	-7.99	310	389	V

Pk - Peak detector

**2TX Antenna 6 + Antenna 4 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

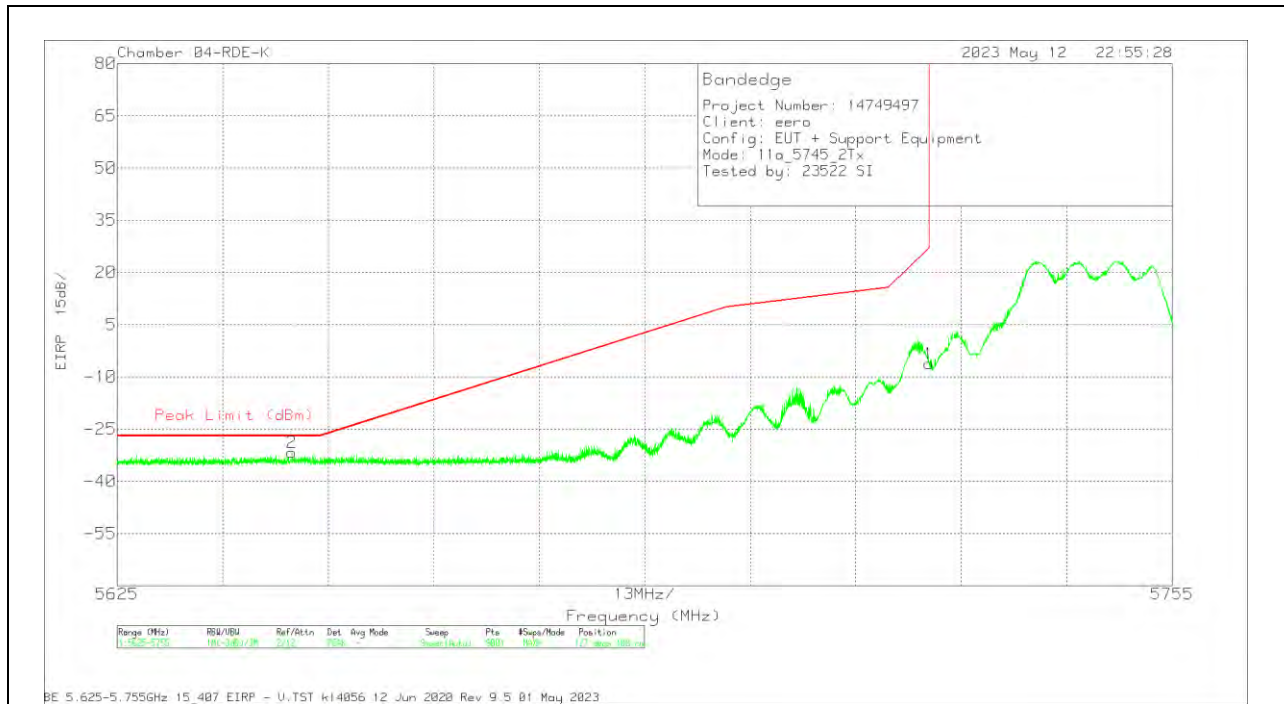


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-36.08	Pk	34.7	-6.7	11.8	3.72	27	-23.28	193	173	H
2	5643.416	-70.67	Pk	34.6	-7.1	11.8	-31.37	-27	-4.37	193	173	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

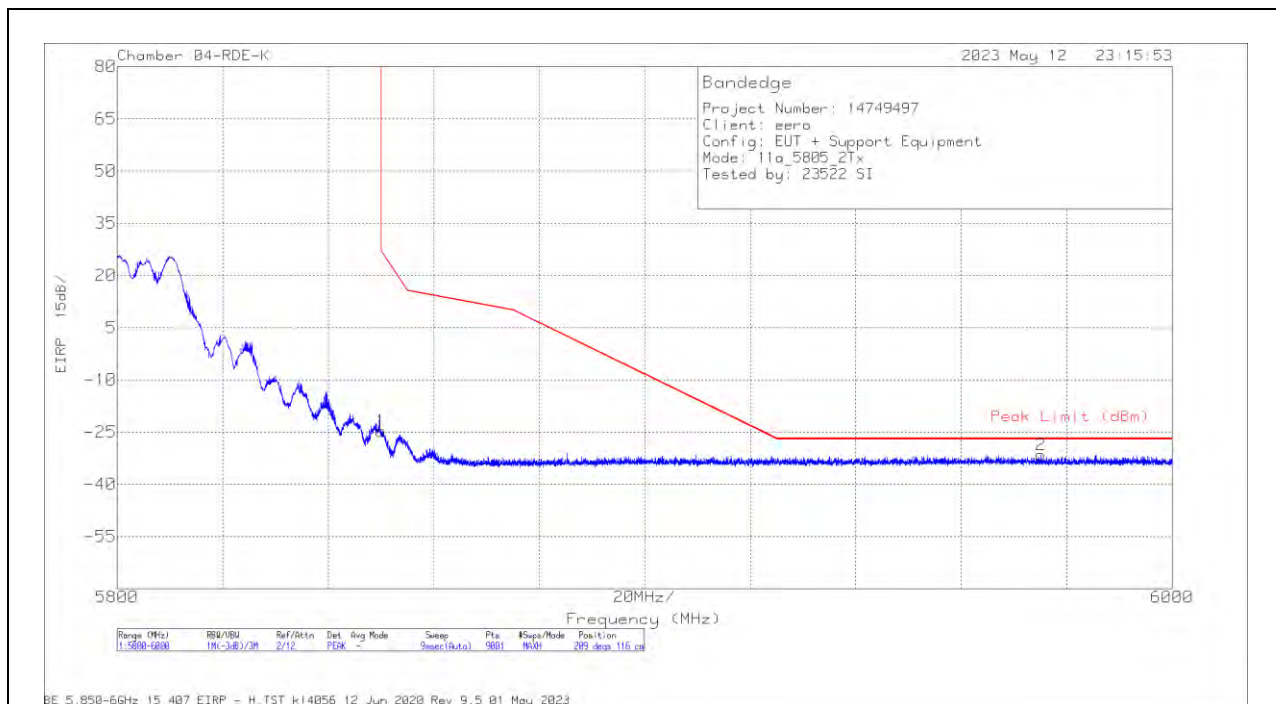
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-46.05	Pk	34.7	-6.7	11.8	-6.25	27	-33.25	127	188	V
2	5646.507	-71.03	Pk	34.6	-7.1	11.8	-31.73	-27	-4.73	127	188	V

Pk - Peak detector



**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-64.74	Pk	34.8	-6.6	11.8	-24.74	27	-51.74	209	116	H
2	5975.132	-72.11	Pk	35	-6.3	11.8	-31.61	-27	-4.61	209	116	H

Pk - Peak detector

**VERTICAL RESULT**



**Trace Markers**

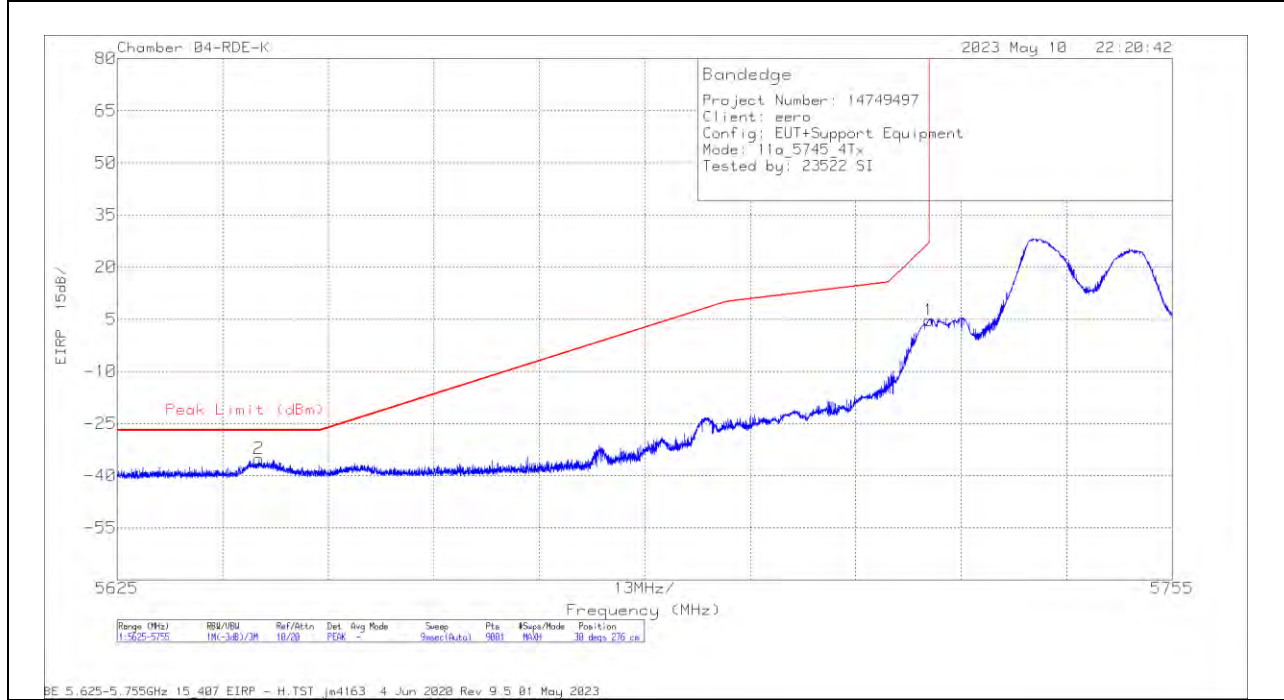
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-73.65	PK	34.8	-6.6	11.8	-33.65	27	-60.65	79	147	V
2	5994.487	-71.35	PK	35	-6.3	11.8	-30.85	-27	-3.85	79	147	V

Pk - Peak detector

**4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

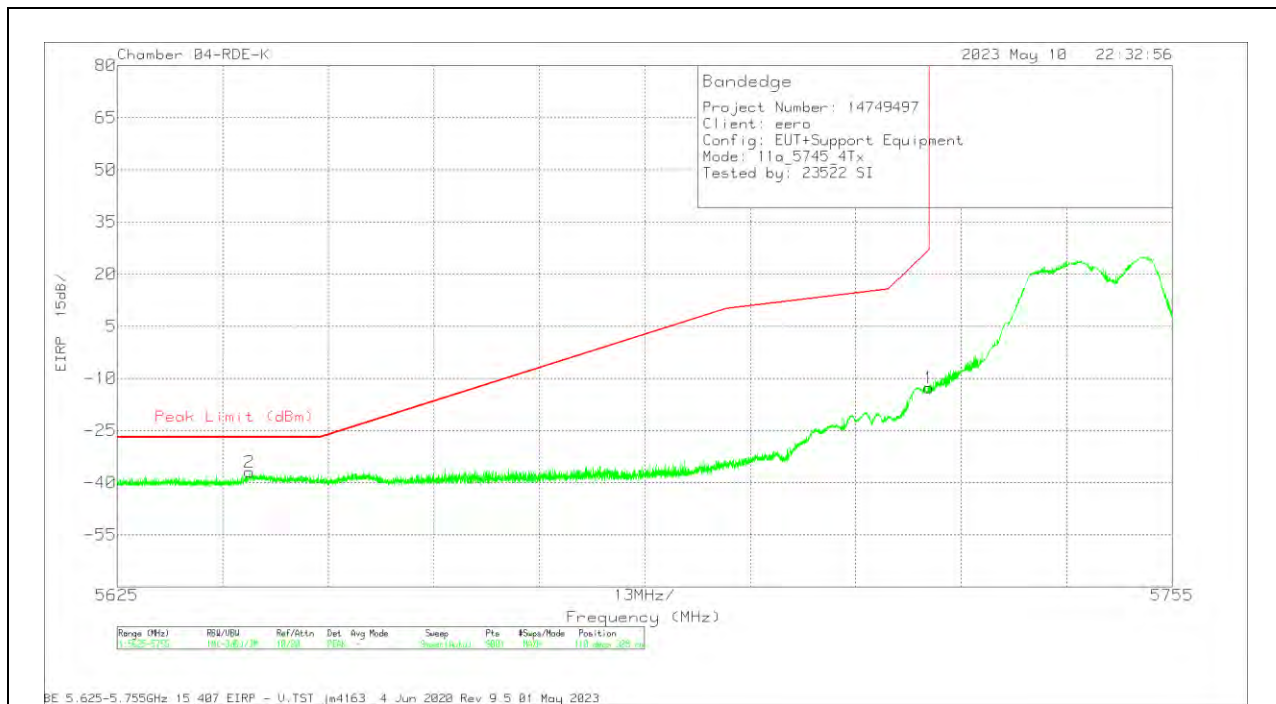


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-11.7	Pk	34.7	-30.1	11.8	4.7	27	-22.3	30	276	H
2	5642.448	-51.28	Pk	34.6	-30.2	11.8	-35.08	-27	-8.08	30	276	H

Pk - Peak detector

### VERTICAL RESULT



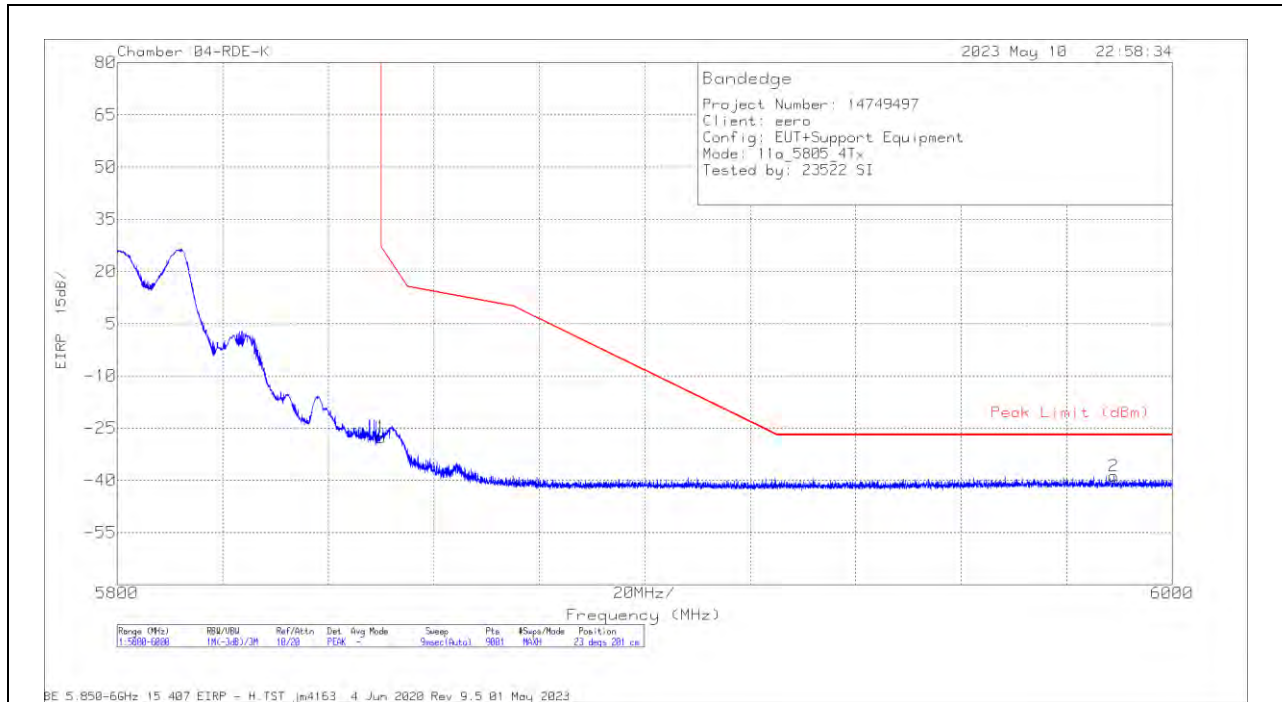
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-29.16	Pk	34.7	-30.1	11.8	-12.76	27	-39.76	110	328	V
2	5641.293	-53.2	Pk	34.6	-30.2	11.8	-37	-27	-10	110	328	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

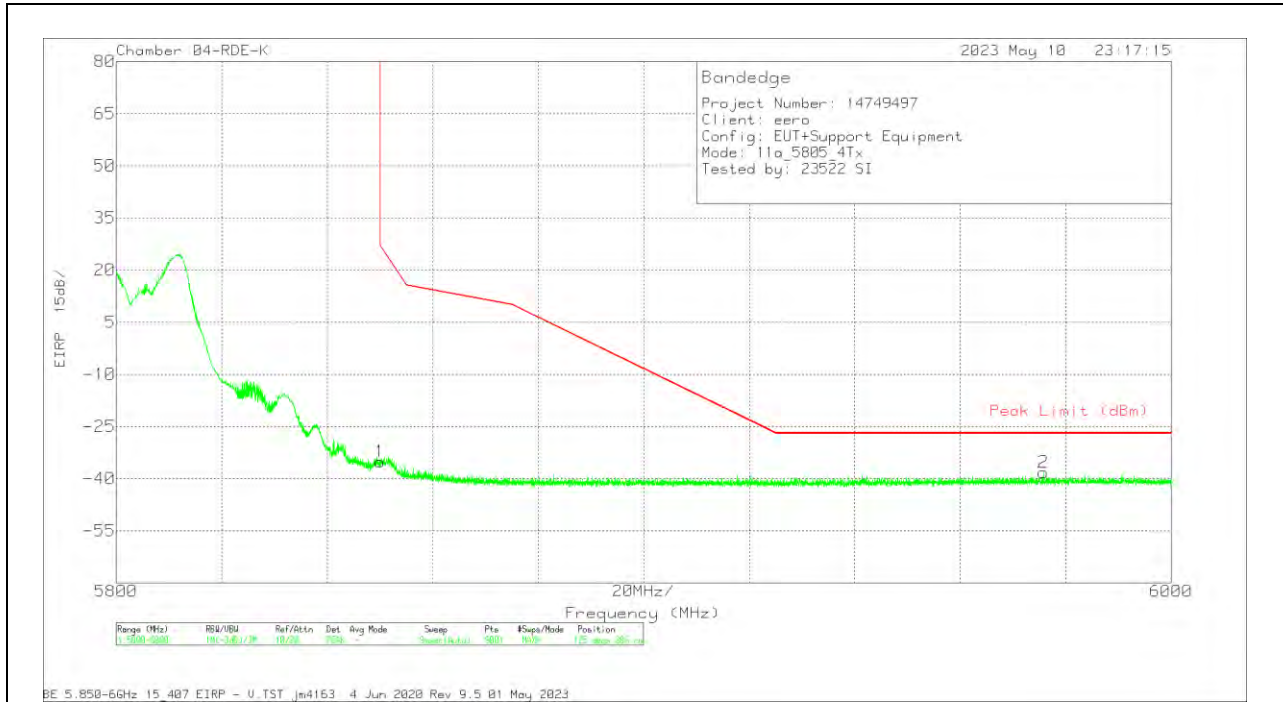


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-44.38	Pk	34.8	-29.9	11.8	-27.68	27	-54.68	23	201	H
2	5988.909	-55.9	Pk	35	-29.7	11.8	-38.8	-27	-11.8	23	201	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

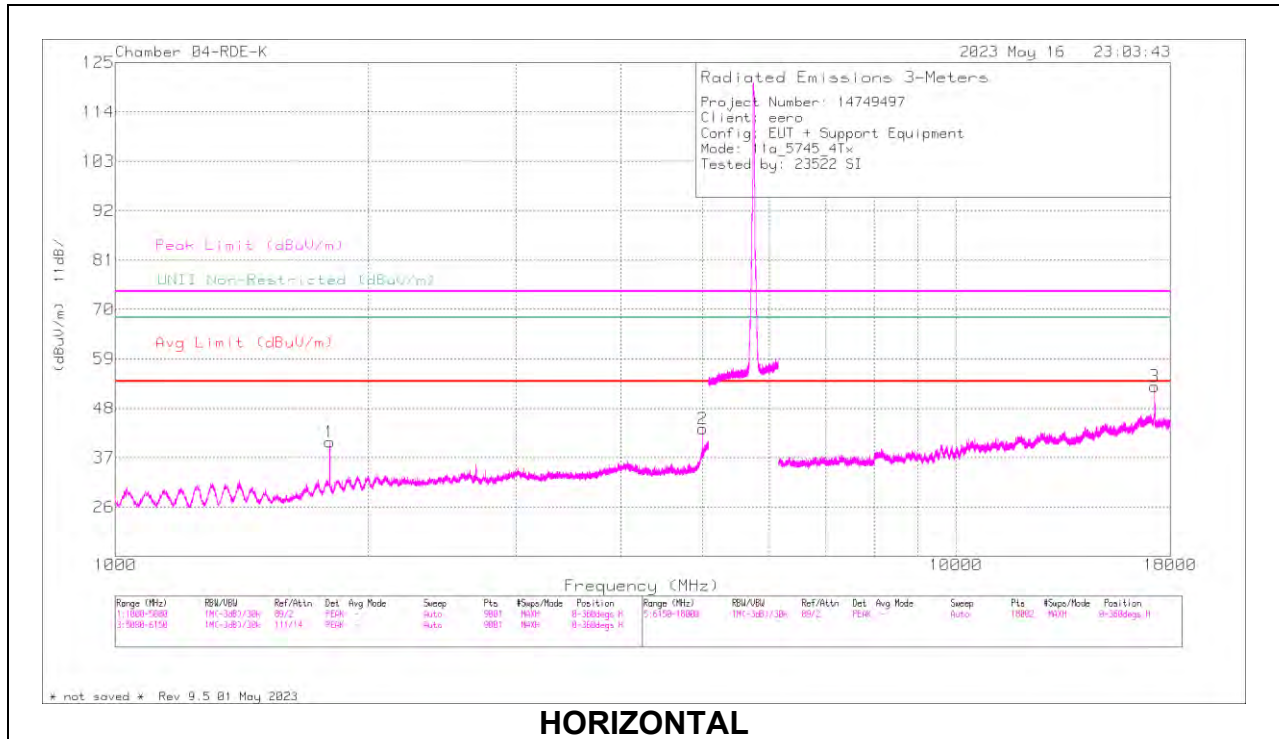
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-51.78	Pk	34.8	-29.9	11.8	-35.08	27	-62.08	125	286	V
2	5975.754	-55.29	Pk	35	-29.7	11.8	-38.19	-27	-11.19	125	286	V

Pk - Peak detector

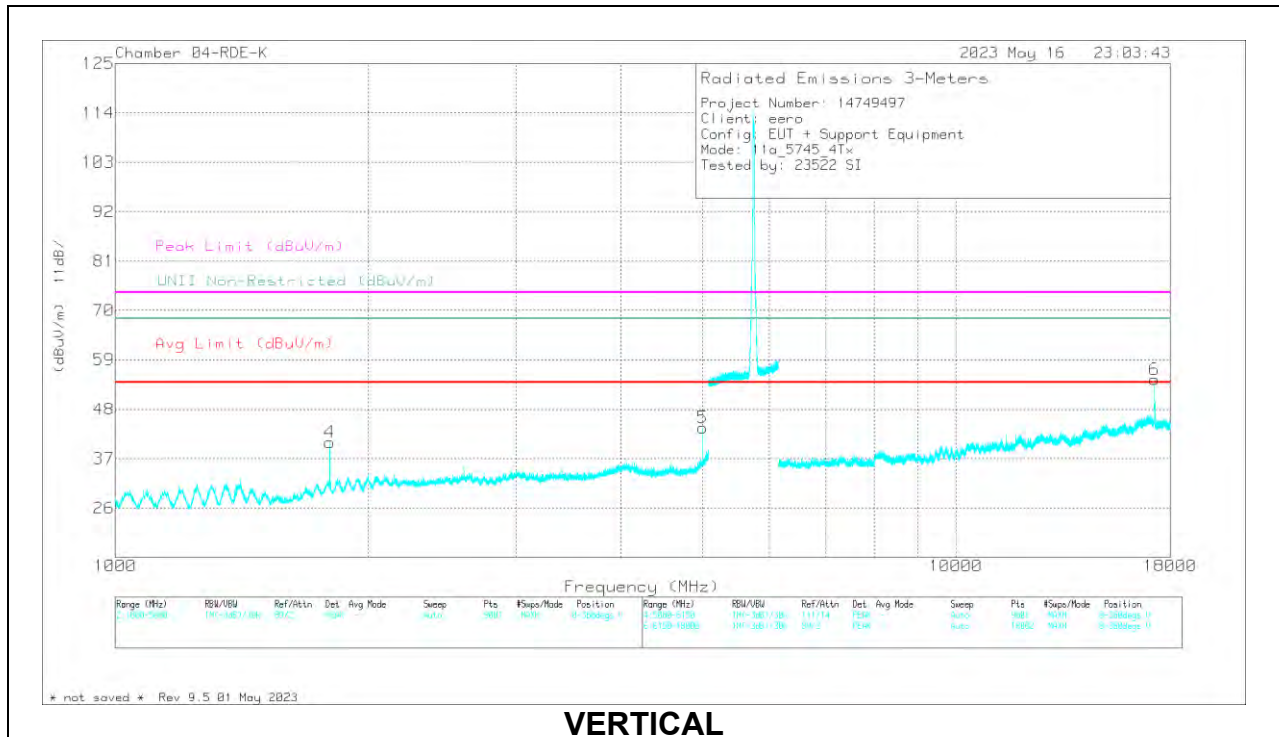


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



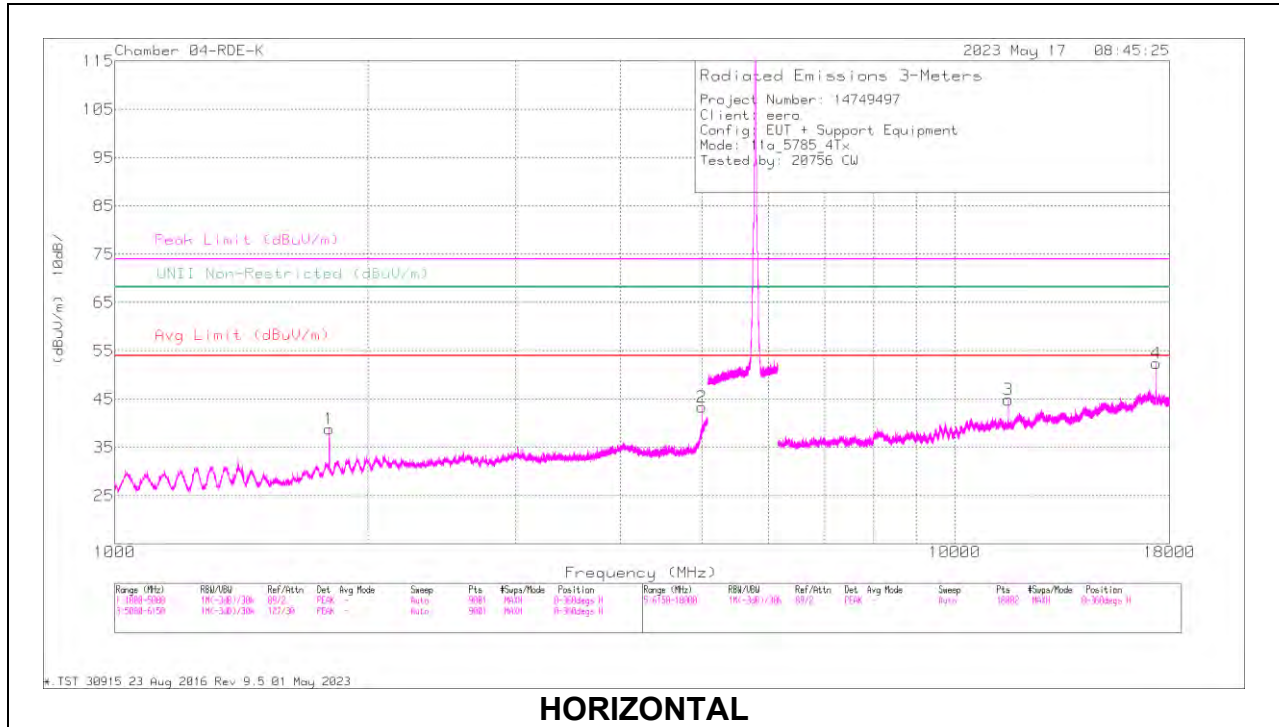
**VERTICAL**

**RADIATED EMISSIONS**

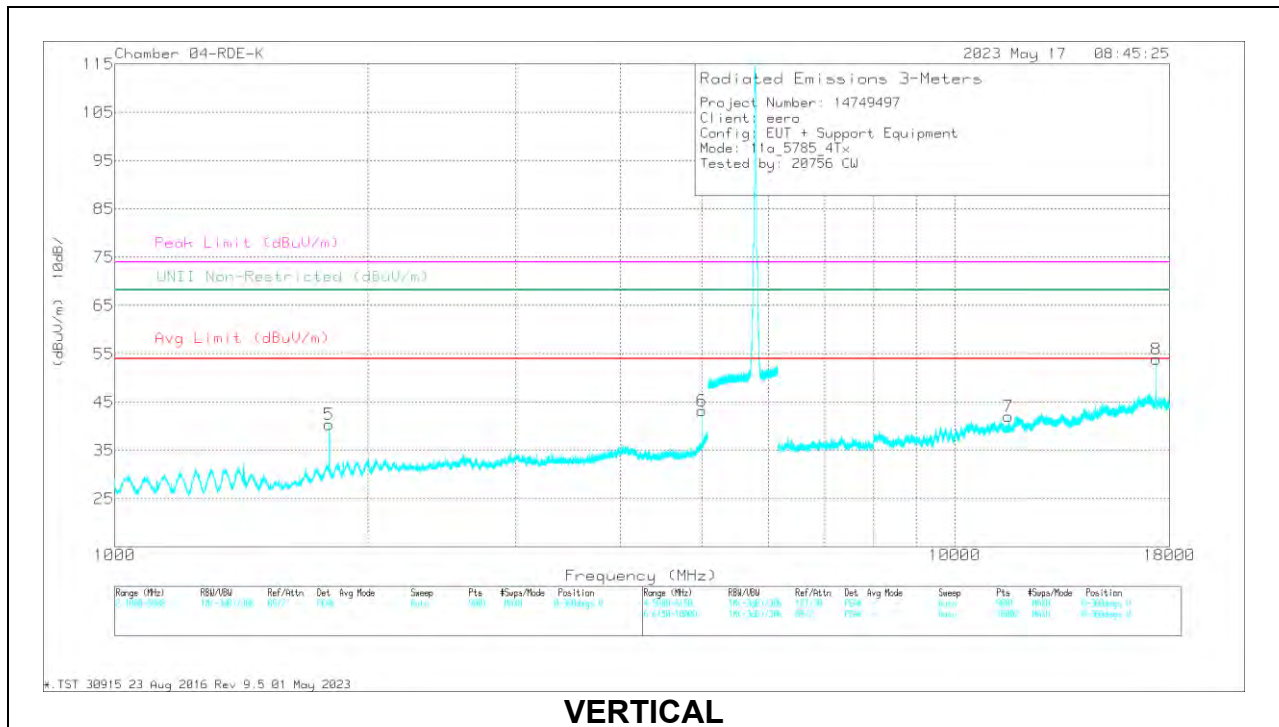
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1799.911	62.22	PK-U	30.2	-45.8	46.62	-	-	-	-	68.2	-21.58	170	189	H
2	* 5000.167	56.77	PK-U	33.8	-39	51.57	-	-	74	-22.43	-	-	187	270	H
	* 4999.977	49.75	ADR	33.8	-39	44.55	54	-9.45	-	-	-	-	187	270	H
4	1799.98	64.59	PK-U	30.2	-45.8	48.99	-	-	-	-	68.2	-19.21	197	277	V
5	* 5000.318	56.13	PK-U	33.8	-39.1	50.83	-	-	74	-23.17	-	-	176	159	V
	* 5000.014	50.53	ADR	33.8	-39	45.33	54	-8.67	-	-	-	-	176	159	V
3	17232.126	52.31	PK-U	41.1	-31.8	61.61	-	-	-	-	68.2	-6.59	35	104	H
6	17230.986	55.27	PK-U	41.1	-31.7	64.67	-	-	-	-	68.2	-3.53	32	192	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

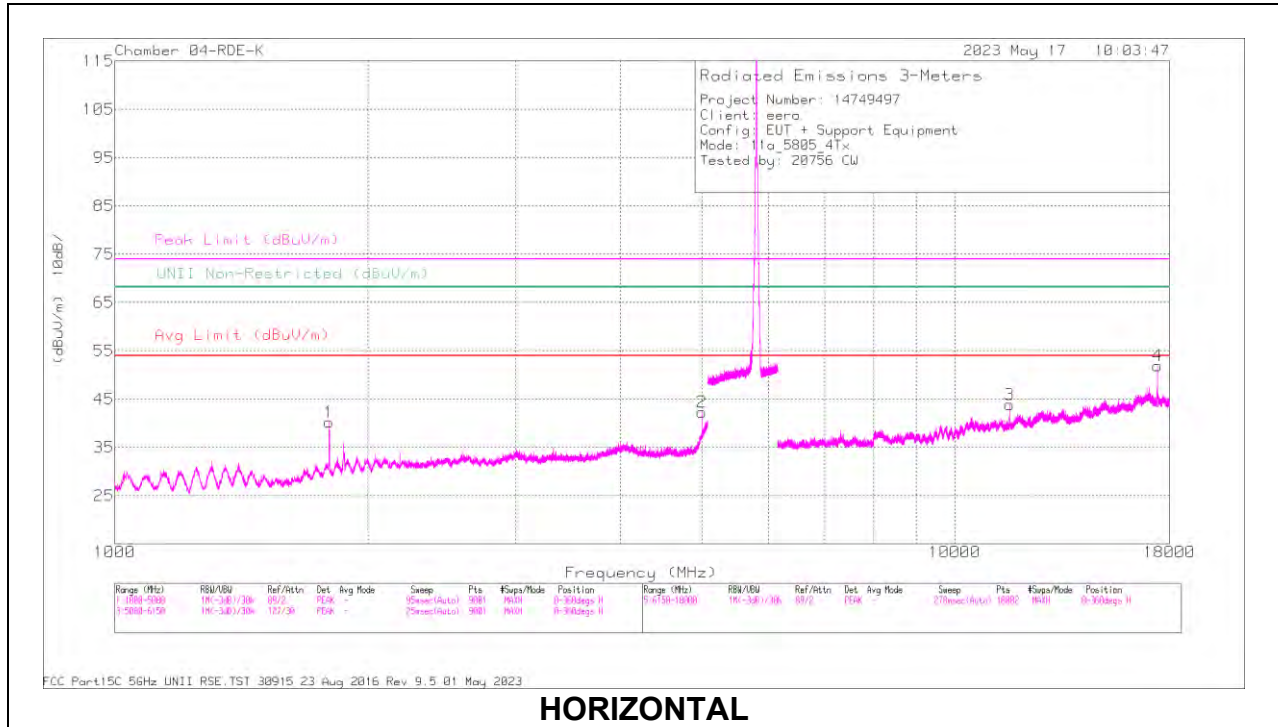
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1799.698	61.51	PK-U	30.2	-45.8	45.91	-	-	-	-	68.2	-22.29	167	234	H
2	* 4999.962	55.85	PK-U	33.8	-39	50.65	-	-	74	-23.35	-	-	192	123	H
	* 5000.039	48.28	ADR	33.8	-39	43.08	54	-10.92	-	-	-	-	192	123	H
5	1799.759	63.3	PK-U	30.2	-45.8	47.7	-	-	-	-	68.2	-20.5	189	243	V
6	* 5000.071	54.29	PK-U	33.8	-39	49.09	-	-	74	-24.91	-	-	174	175	V
	* 5000.003	47.53	ADR	33.8	-39	42.33	54	-11.67	-	-	-	-	174	175	V
3	* 11567.306	48.55	PK-U	38	-35.6	50.95	-	-	74	-23.05	-	-	327	143	H
	* 11566.797	36.91	ADR	38	-35.6	39.31	54	-14.69	-	-	-	-	327	143	H
4	17355.568	53.05	PK-U	41	-31.3	62.75	-	-	-	-	68.2	-5.45	7	194	H
7	* 11569.178	50.22	PK-U	38	-35.6	52.62	-	-	74	-21.38	-	-	24	194	V
	* 11569.983	39.08	ADR	38	-35.6	41.48	54	-12.52	-	-	-	-	24	194	V
8	17355.55	55.32	PK-U	41	-31.3	65.02	-	-	-	-	68.2	-3.18	22	101	V

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

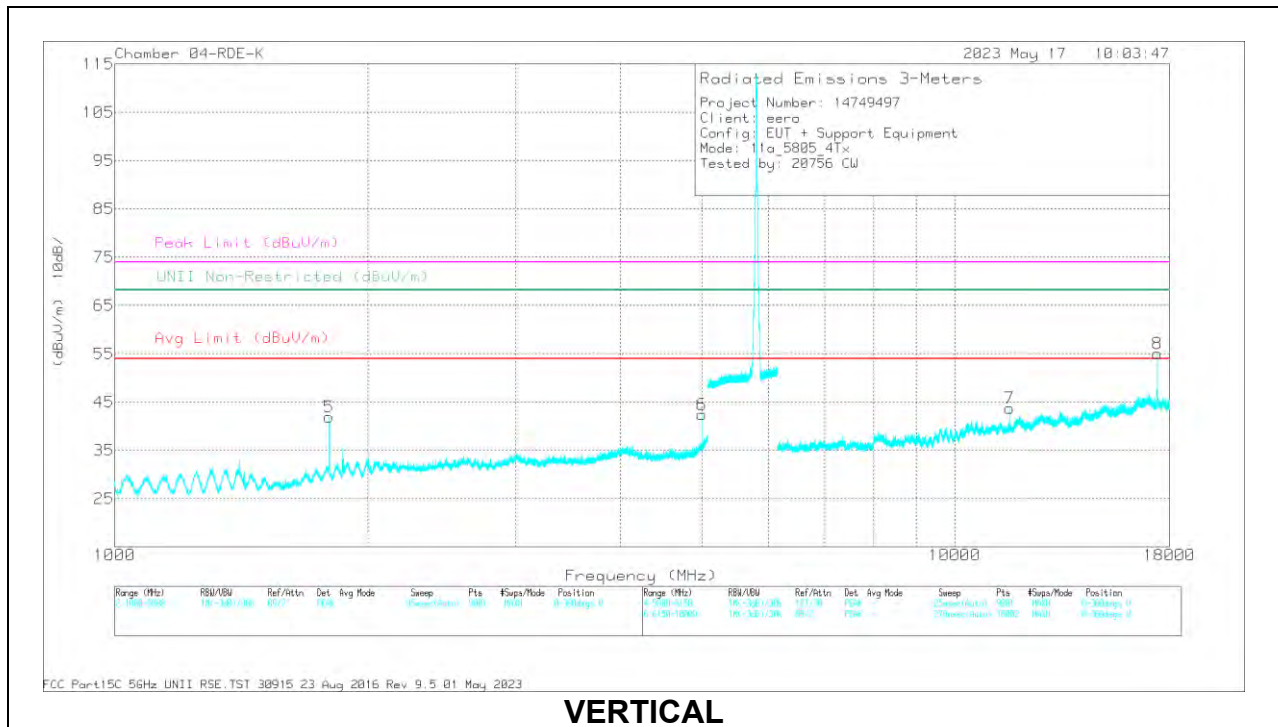
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (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	1799.967	61.51	PK-U	30.2	-45.8	45.91	-	-	-	-	68.2	-22.29	165	201	H
2	* 5000.062	55.96	PK-U	33.8	-39	50.76	-	-	74	-23.24	-	-	190	124	H
	* 5000.017	47.62	ADR	33.8	-39	42.42	54	-11.58	-	-	-	-	190	124	H
5	1800.37	62.66	PK-U	30.2	-45.8	47.06	-	-	-	-	68.2	-21.14	186	178	V
6	* 5000.003	54.68	PK-U	33.8	-39	49.48	-	-	74	-24.52	-	-	182	153	V
	* 5000.058	48.02	ADR	33.8	-39	42.82	54	-11.18	-	-	-	-	182	153	V
3	* 11610.58	52.1	PK-U	38.1	-35.4	54.8	-	-	74	-19.2	-	-	325	178	H
	* 11609.835	40.56	ADR	38.1	-35.4	43.26	54	-10.74	-	-	-	-	325	178	H
4	17413.609	52.86	PK-U	40.9	-30.9	62.86	-	-	-	-	68.2	-5.34	356	203	H
7	* 11608.316	51.03	PK-U	38.1	-35.4	53.73	-	-	74	-20.27	-	-	35	101	V
	* 11608.775	39.32	ADR	38.1	-35.4	42.02	54	-11.98	-	-	-	-	35	101	V
8	17415.625	55.79	PK-U	40.9	-30.8	65.89	-	-	-	-	68.2	-2.31	7	120	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

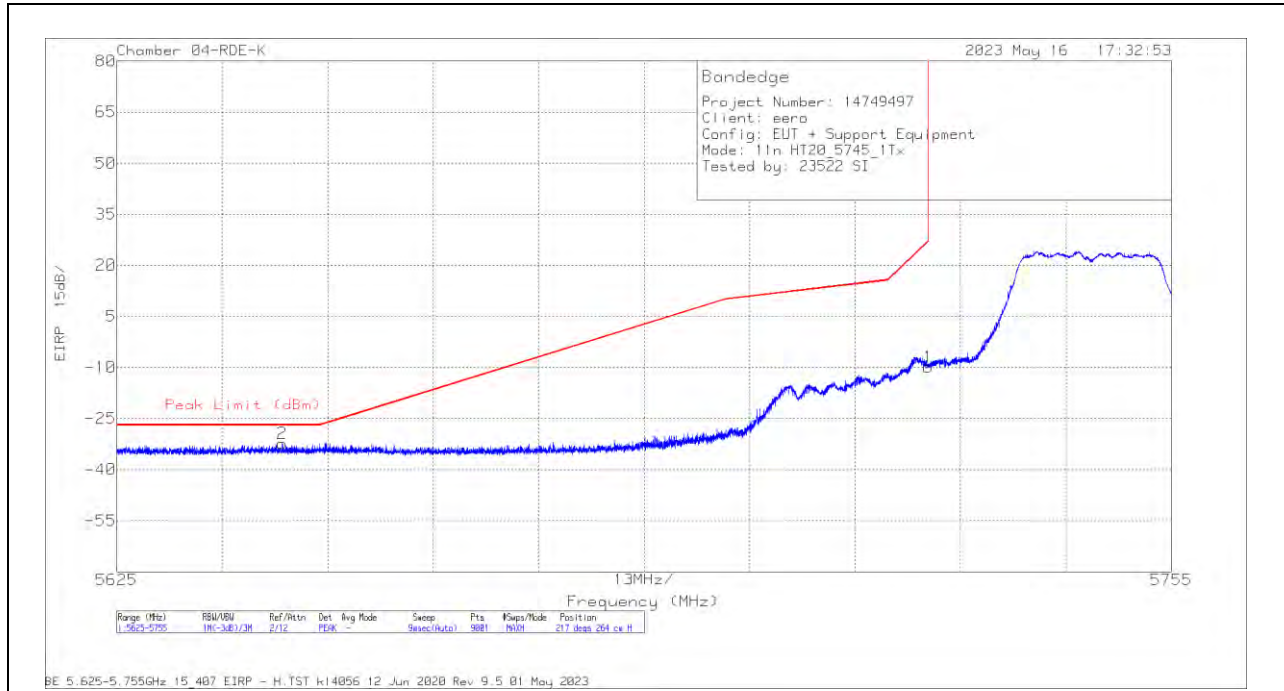


### 10.1.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT

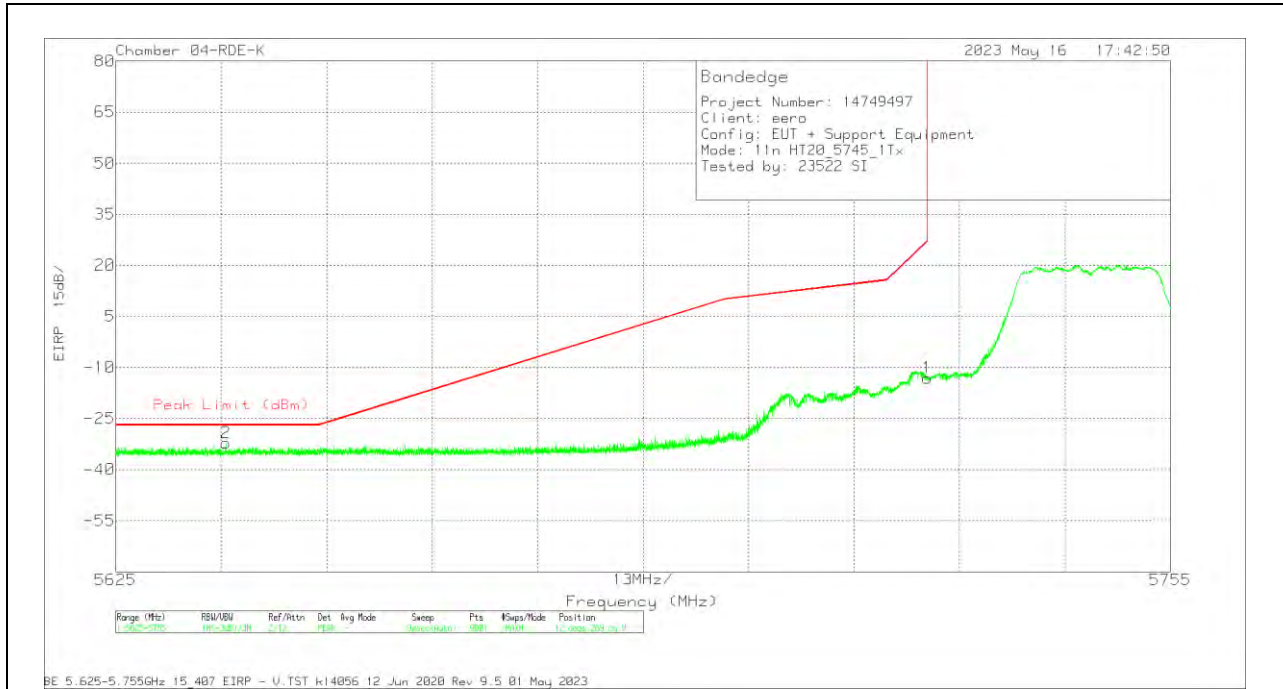


#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-49.6	PK	34.7	-6.7	11.8	-9.8	27	-36.8	217	264	H
2	5645.409	-71.61	PK	34.6	-7.1	11.8	-32.31	-27	-5.31	217	264	H

Pk - Peak detector

### VERTICAL RESULT



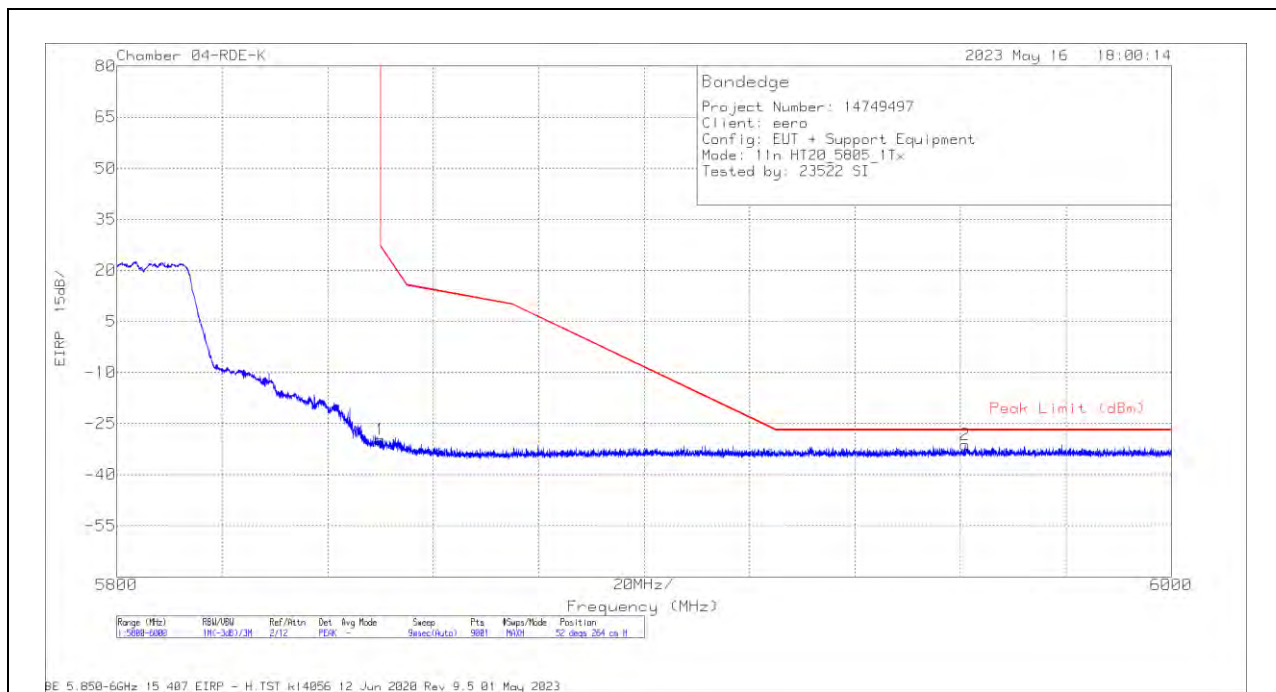
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-52.87	Pk	34.7	-6.7	11.8	-13.07	27	-40.07	12	269	V
2	5638.563	-71.57	Pk	34.6	-7	11.8	-32.17	-27	-5.17	12	269	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

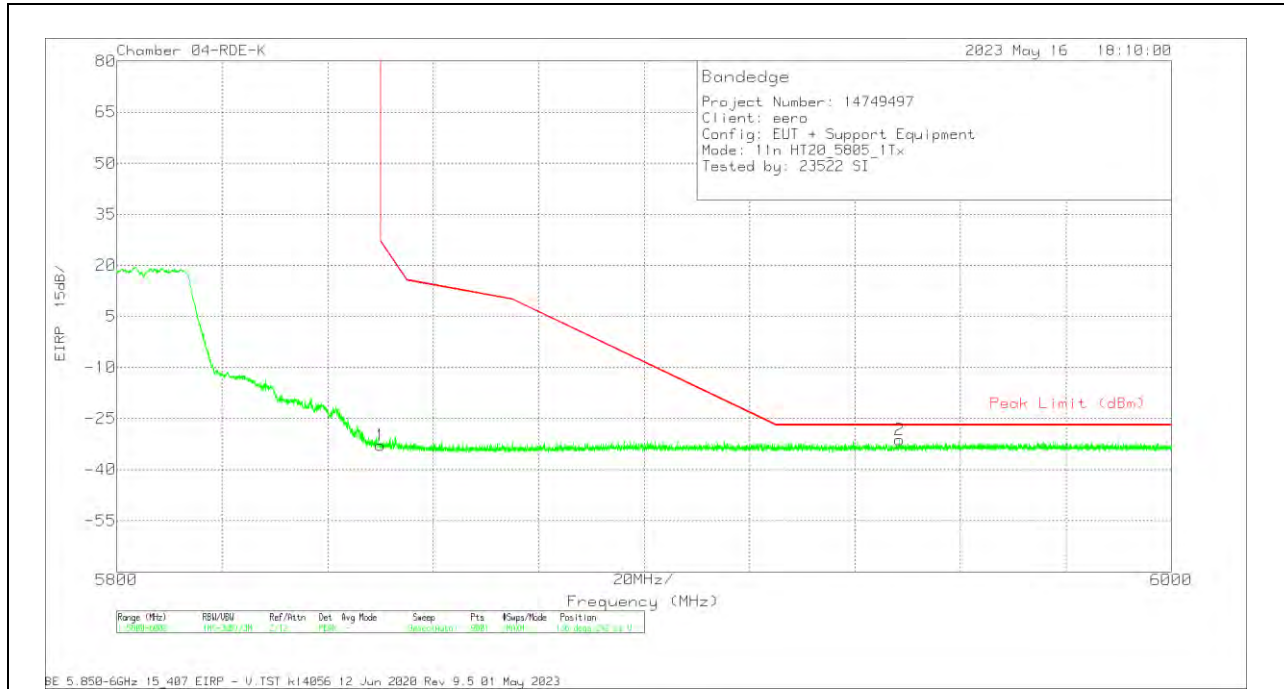


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-69.72	Pk	34.8	-6.6	11.8	-29.72	27	-56.72	52	264	H
2	5960.91	-71.8	Pk	35	-6.2	11.8	-31.2	-27	-4.2	52	264	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

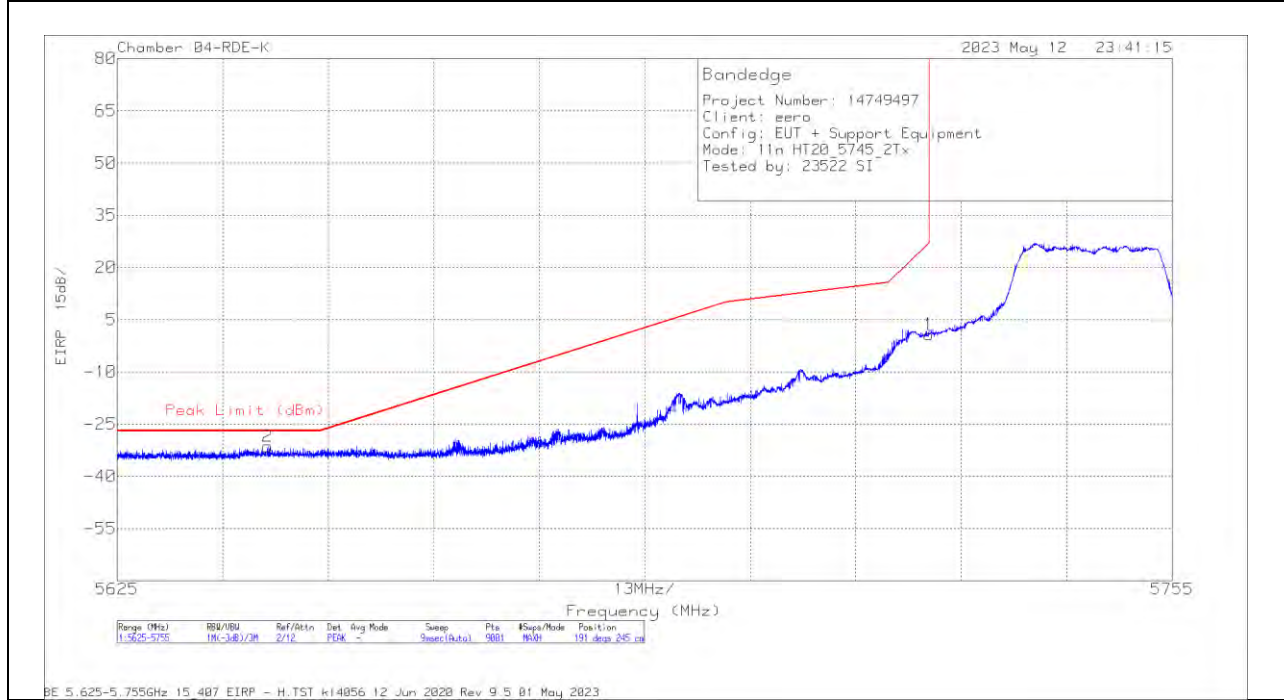
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-72.81	Pk	34.8	-6.6	11.8	-32.81	27	-59.81	136	242	V
2	5948.421	-71.75	Pk	35	-6.2	11.8	-31.15	-27	-4.15	136	242	V

Pk - Peak detector

**2TX Antenna 6 + Antenna 4 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

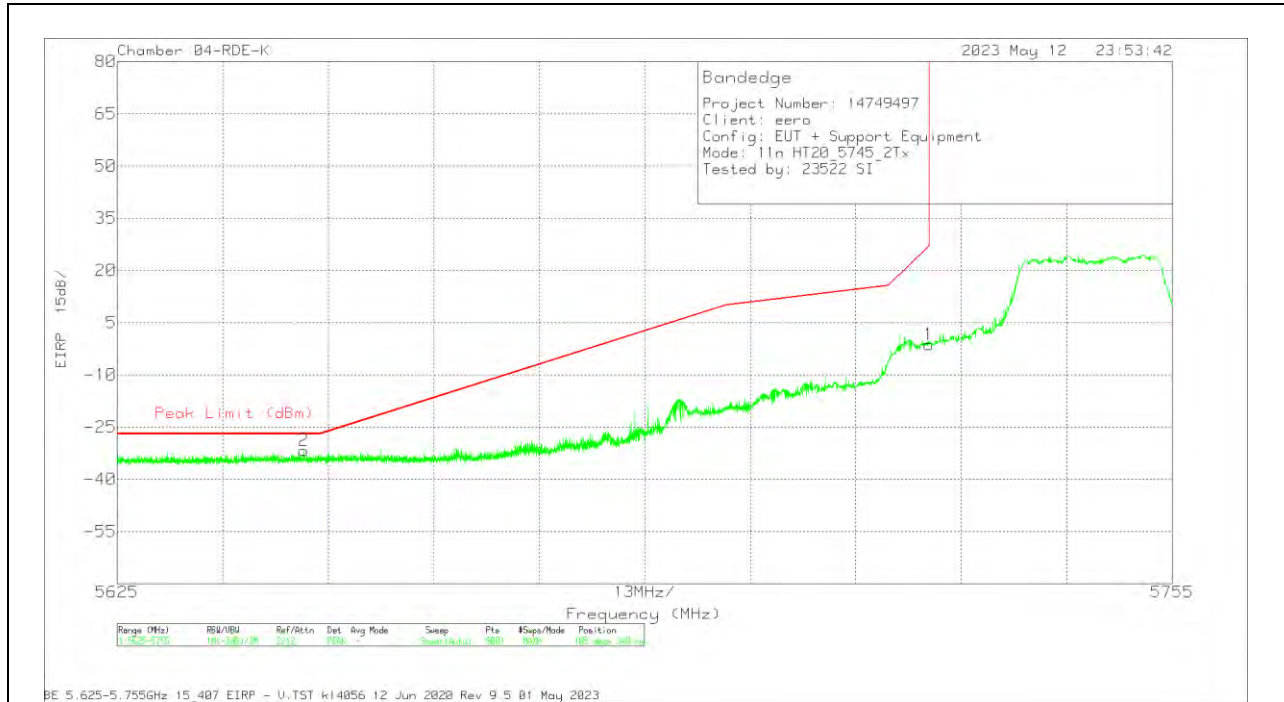


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-39.13	Pk	34.7	-6.7	11.8	.67	27	-26.33	191	245	H
2	5643.532	-70.73	Pk	34.6	-7.1	11.8	-31.43	-27	-4.43	191	245	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

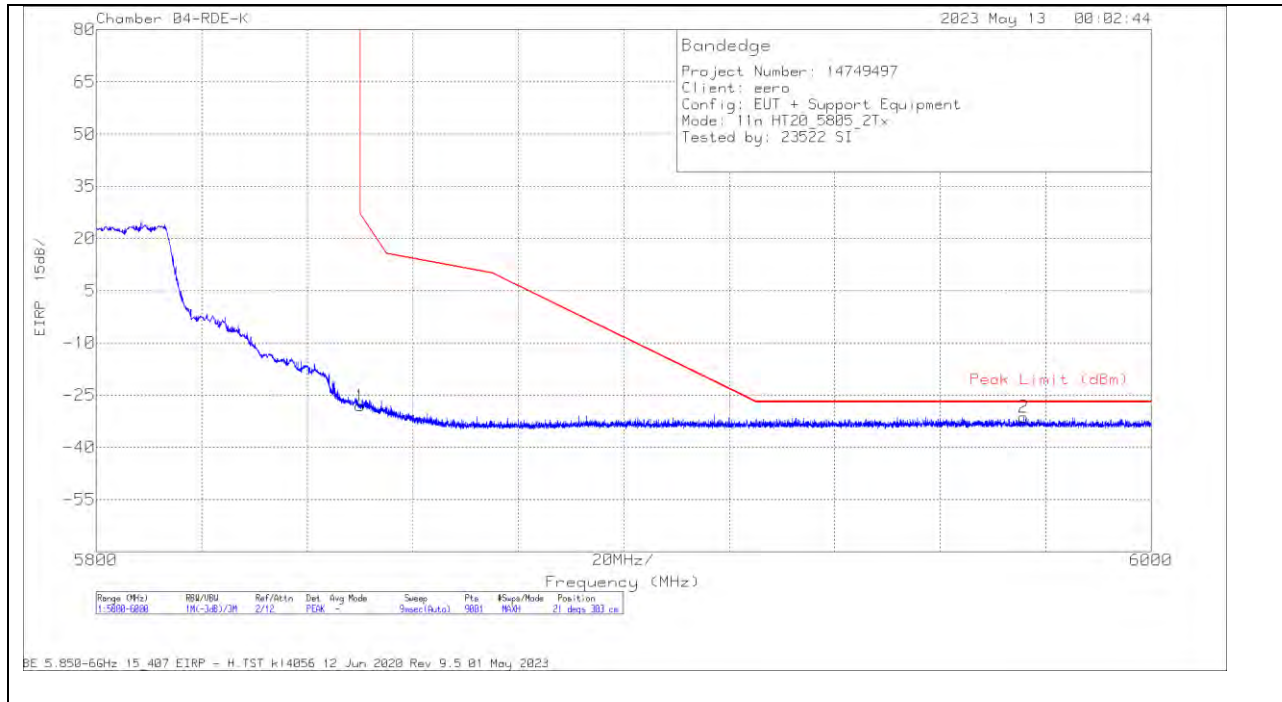
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-41.11	PK	34.7	-6.7	11.8	-1.31	27	-28.31	105	340	V
2	5647.966	-70.99	PK	34.6	-7.1	11.8	-31.69	-27	-4.69	105	340	V

Pk - Peak detector



**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-68.1	PK	34.8	-6.6	11.8	-28.1	27	-55.1	21	303	H
2	5975.82	-71.82	PK	35	-6.3	11.8	-31.32	-27	-4.32	21	303	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

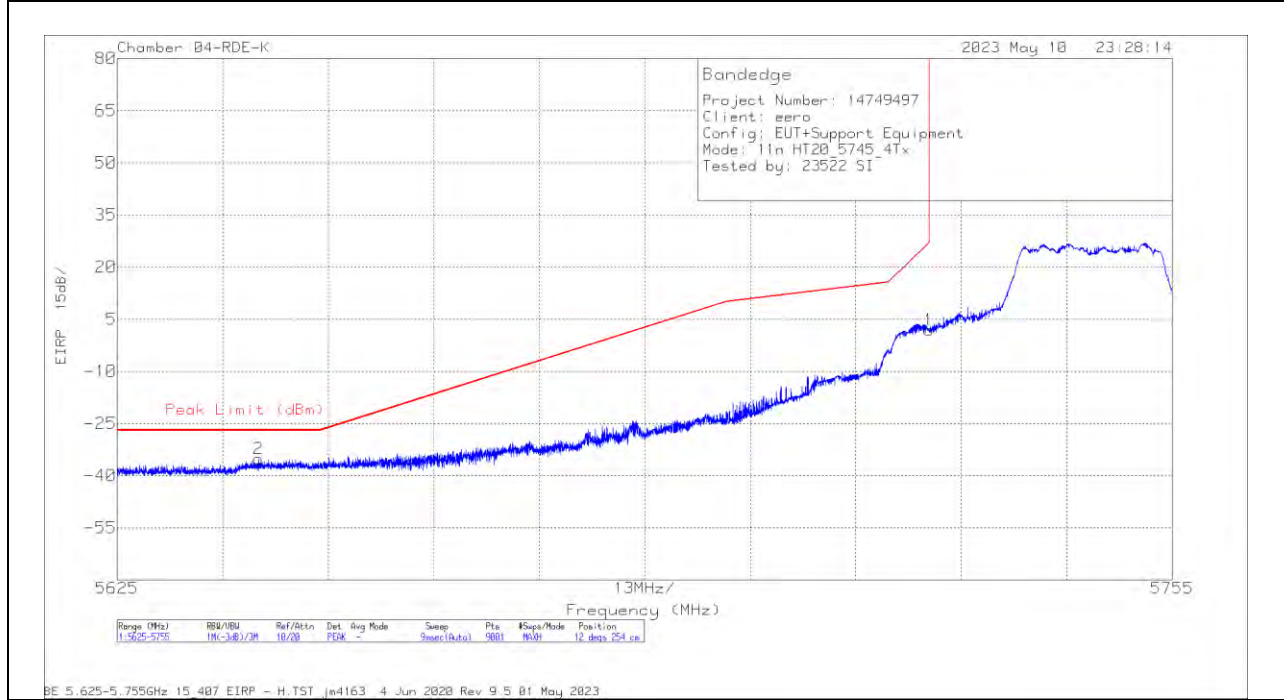
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-69.93	PK	34.8	-6.6	11.8	-29.93	27	-56.93	114	339	V
2	5954.421	-71.26	PK	35	-6.2	11.8	-30.66	-27	-3.66	114	339	V

Pk - Peak detector

**4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

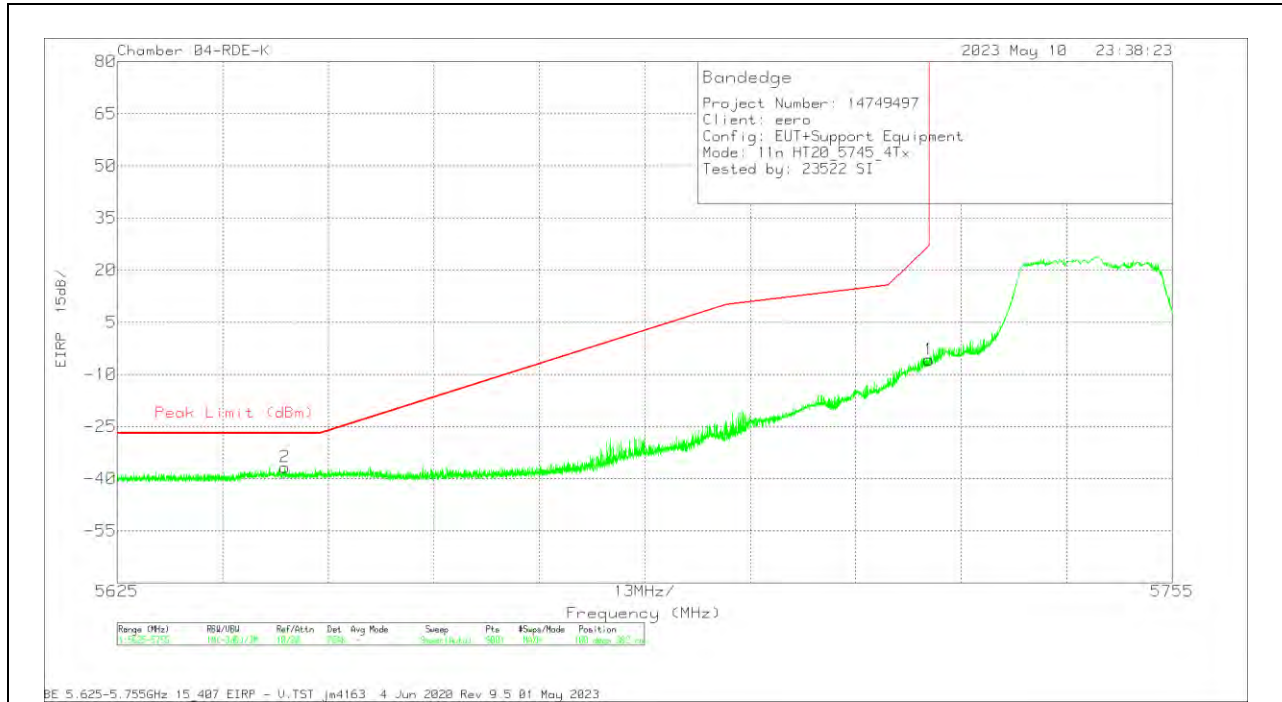


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-14.49	Pk	34.7	-30.1	11.8	1.91	27	-25.09	12	254	H
2	5642.391	-51.37	Pk	34.6	-30.2	11.8	-35.17	-27	-8.17	12	254	H

Pk - Peak detector

### VERTICAL RESULT



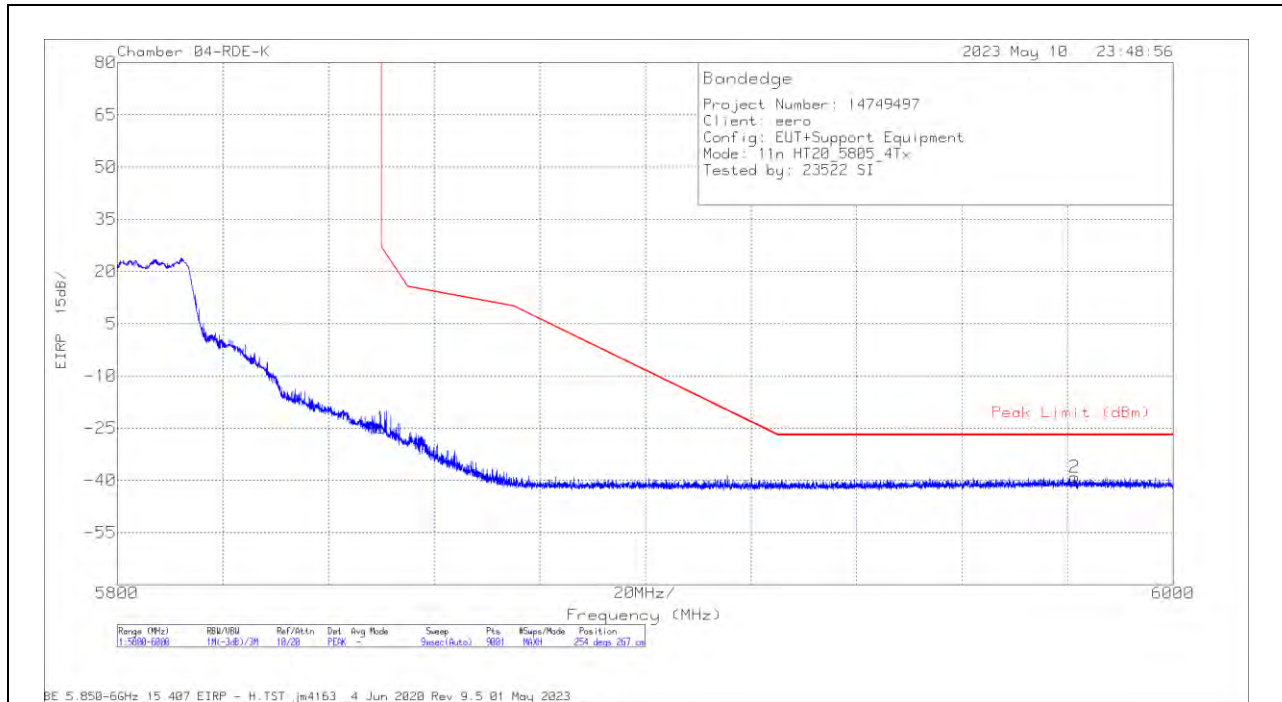
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-22.17	PK	34.7	-30.1	11.8	-5.77	27	-32.77	100	382	V
2	5645.669	-52.88	PK	34.6	-30.2	11.8	-36.68	-27	-9.68	100	382	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

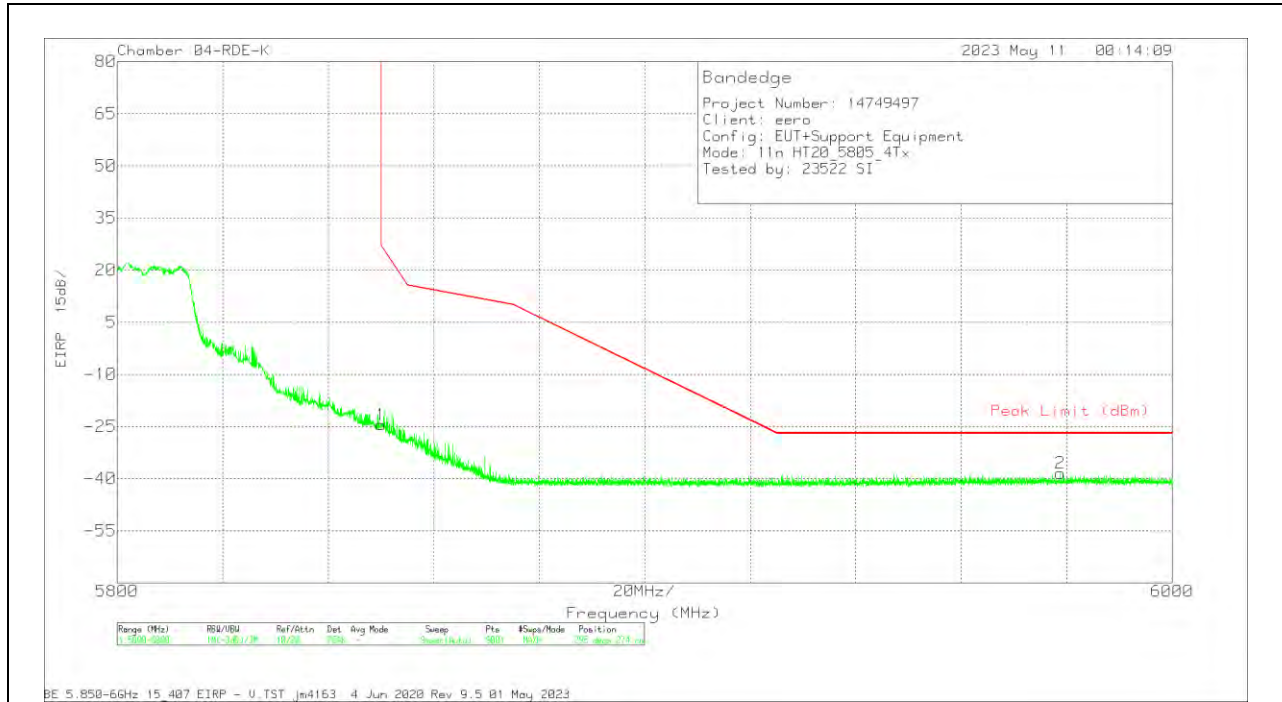


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-41.72	Pk	34.8	-29.9	11.8	-25.02	27	-52.02	254	267	H
2	5981.332	-56.21	Pk	35	-29.7	11.8	-39.11	-27	-12.11	254	267	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

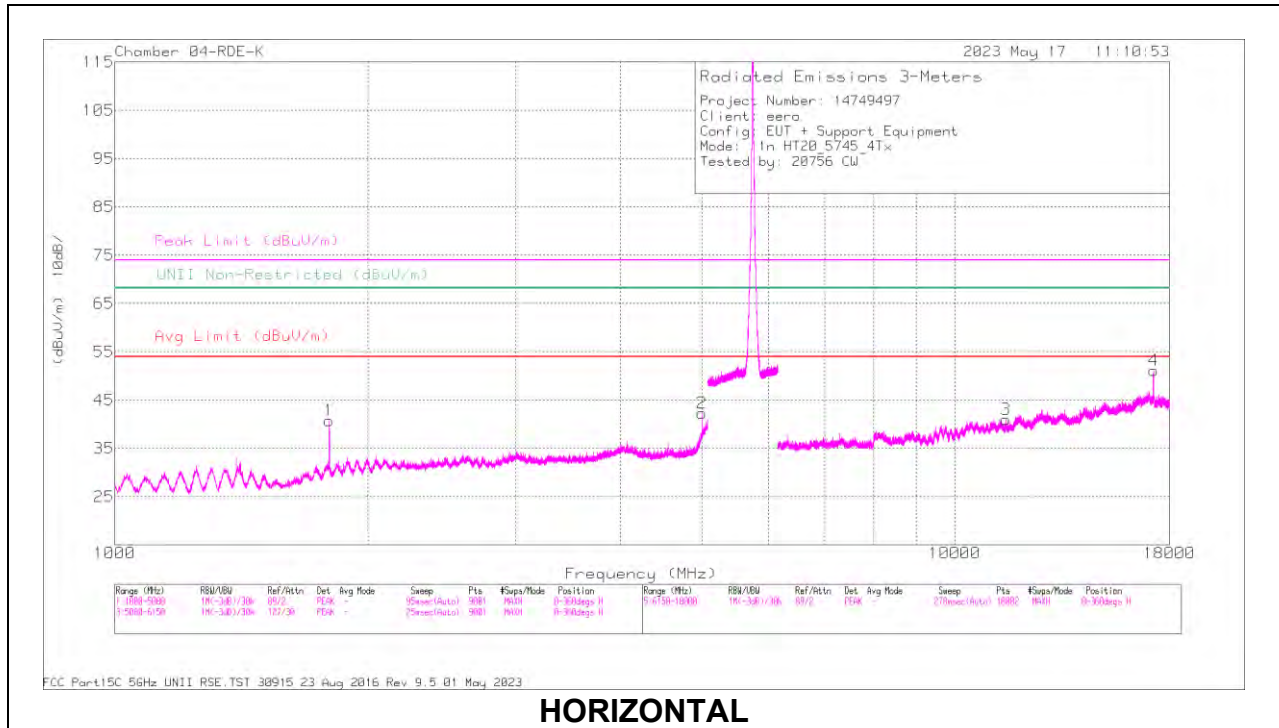
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-41.21	Pk	34.8	-29.9	11.8	-24.51	27	-51.51	295	274	V
2	5978.82	-55.57	Pk	35	-29.7	11.8	-38.47	-27	-11.47	295	274	V

Pk - Peak detector

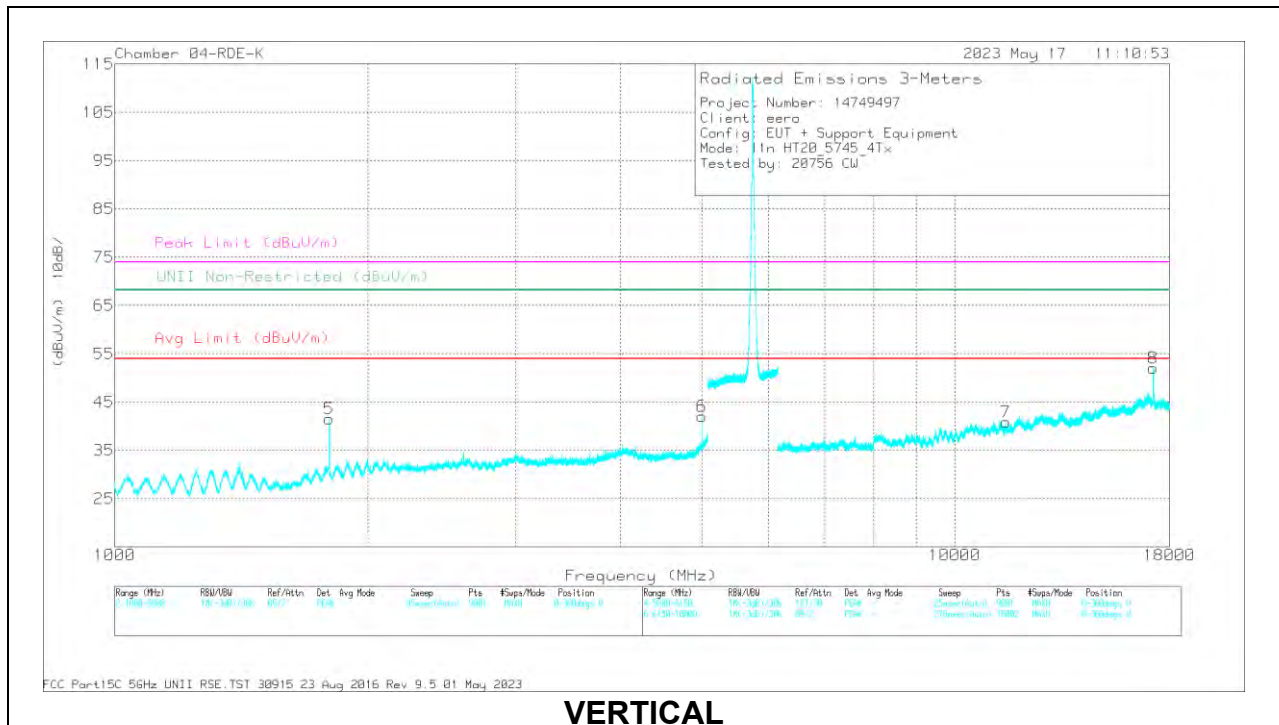


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



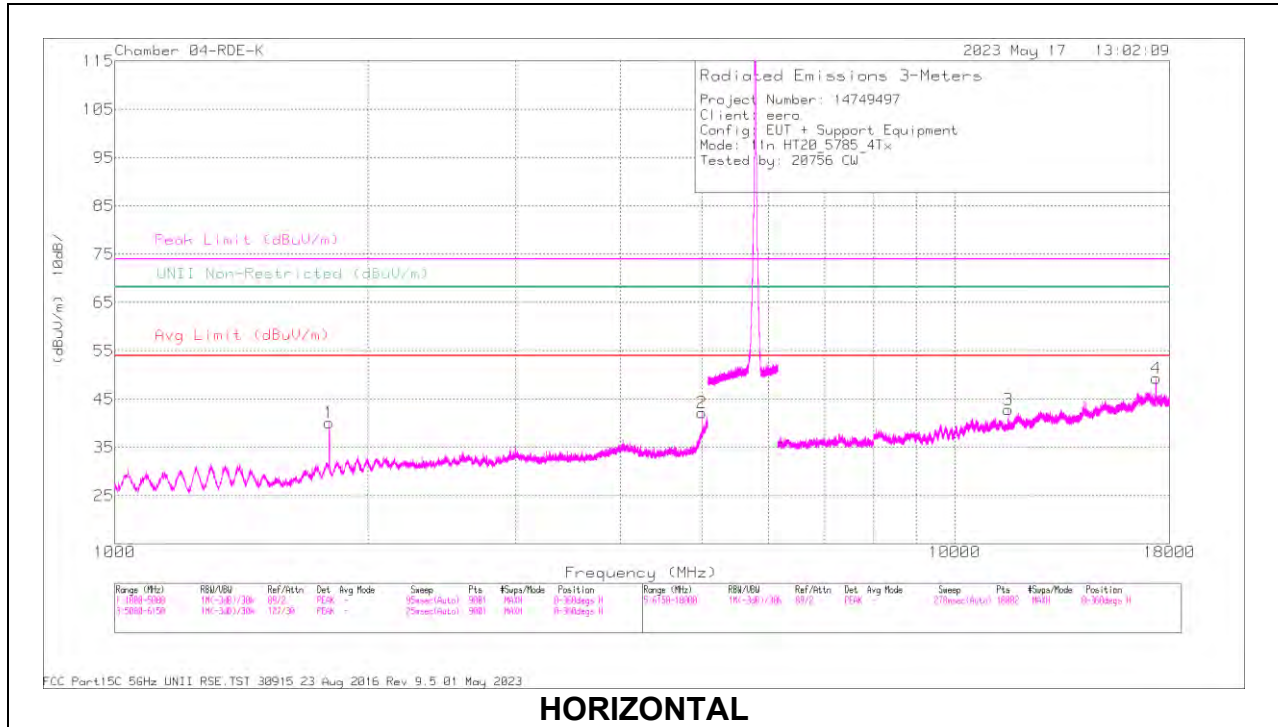
**VERTICAL**

**RADIATED EMISSIONS**

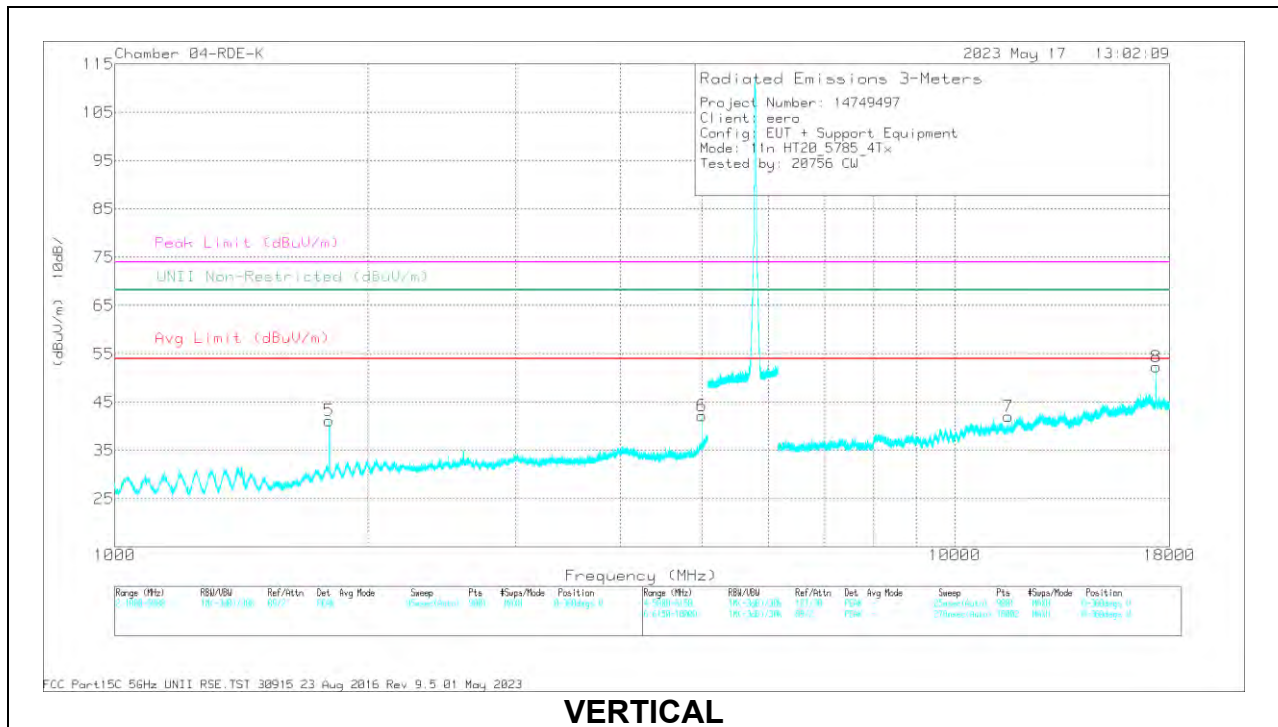
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1799.656	60.65	PK-U	30.2	-45.8	45.05	-	-	-	-	68.2	-23.15	175	281	H
2	* 5000.127	56.67	PK-U	33.8	-39	51.47	-	-	74	-22.53	-	-	193	157	H
	* 4999.987	48.28	ADR	33.8	-39	43.08	54	-10.92	-	-	-	-	193	157	H
5	1798.933	62.92	PK-U	30.2	-45.8	47.32	-	-	-	-	68.2	-20.88	207	247	V
6	* 4999.892	54.85	PK-U	33.8	-39.1	49.55	-	-	74	-24.45	-	-	178	163	V
	* 5000.03	47.92	ADR	33.8	-39	42.62	54	-11.38	-	-	-	-	178	163	V
3	* 11501.278	48.83	PK-U	37.9	-35.9	50.83	-	-	74	-23.17	-	-	352	220	H
	* 11499.962	36.76	ADR	37.9	-35.8	38.86	54	-15.14	-	-	-	-	352	220	H
4	17233.328	49.05	PK-U	41.1	-31.7	58.45	-	-	-	-	68.2	-9.75	354	181	H
7	* 11493.945	48.36	PK-U	37.9	-35.8	50.46	-	-	74	-23.54	-	-	32	156	V
	* 11493.374	36.53	ADR	37.9	-35.9	38.53	54	-15.47	-	-	-	-	32	156	V
8	17222.821	51.3	PK-U	41.1	-31.7	60.7	-	-	-	-	68.2	-7.5	33	198	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



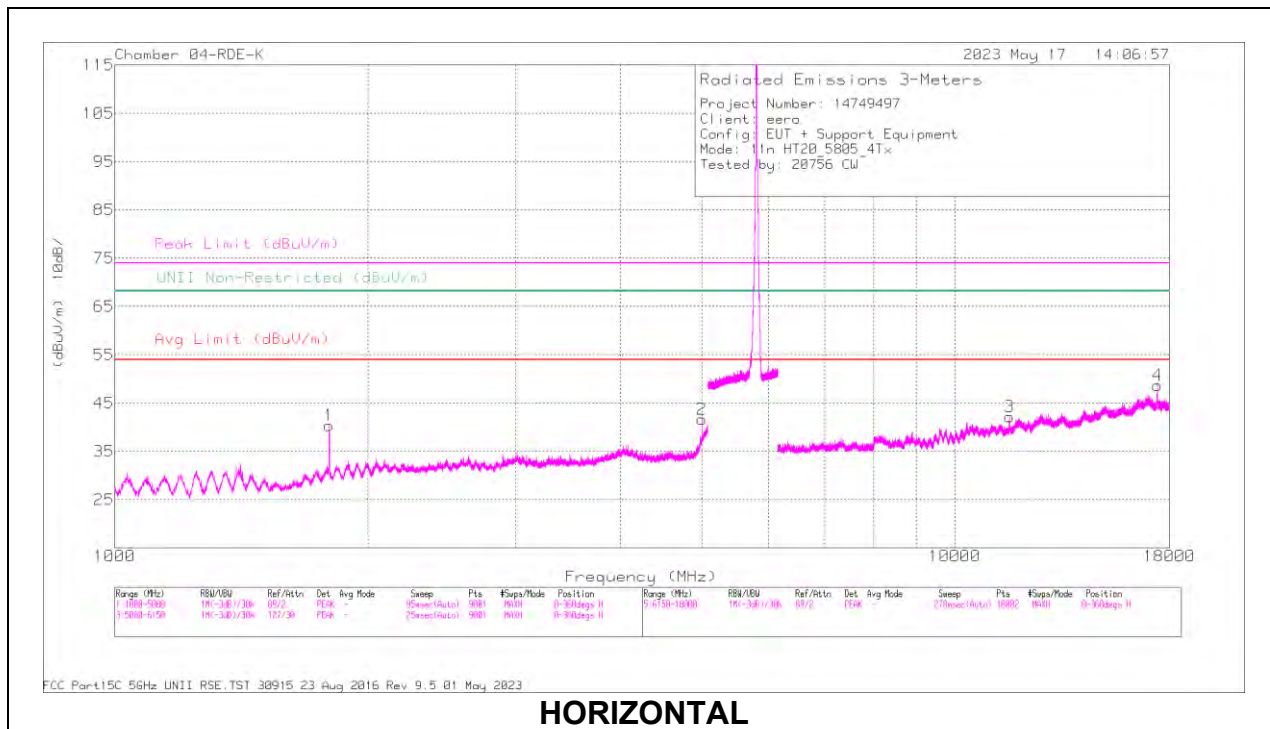
**VERTICAL**

**RADIATED EMISSIONS**

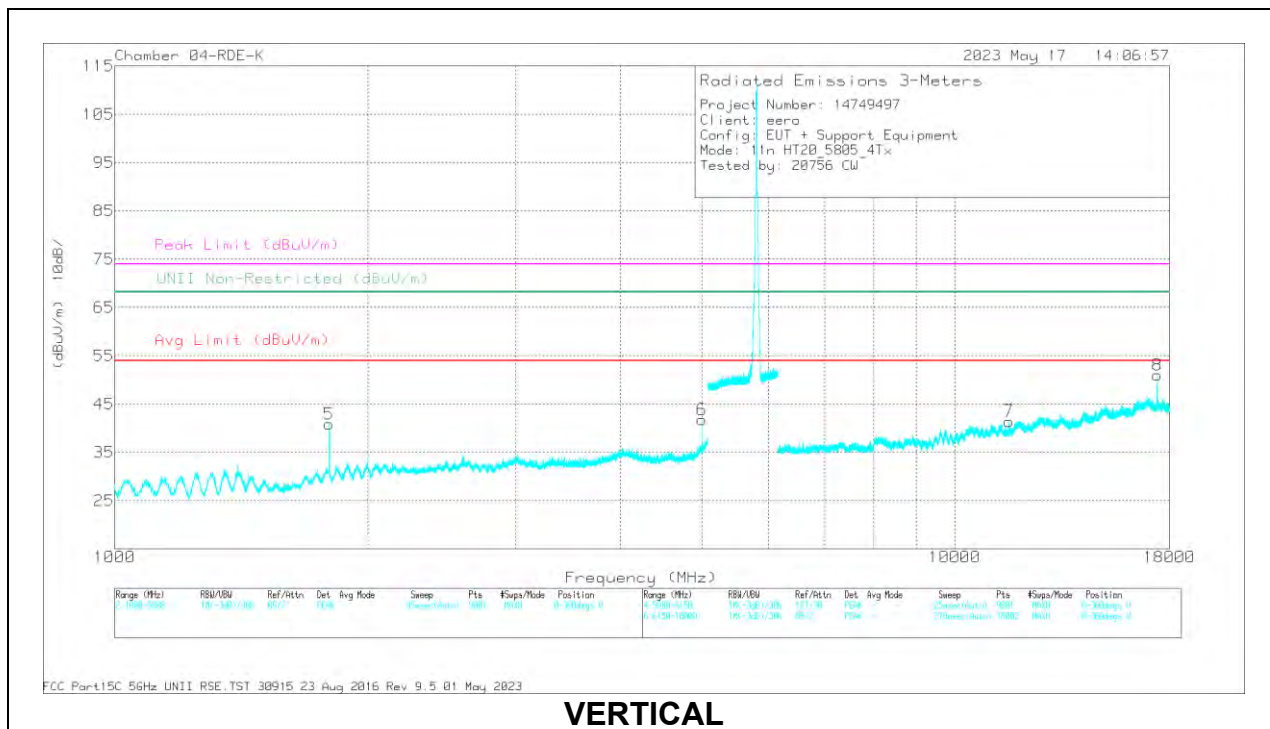
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1799.622	61.73	PK-U	30.2	-45.8	46.13	-	-	-	-	68.2	-22.07	159	234	H
2	* 4999.91	55.96	PK-U	33.8	-39	50.76	-	-	74	-23.24	-	-	189	341	H
	* 4999.93	47.41	ADR	33.8	-39	42.21	54	-11.79	-	-	-	-	189	341	H
5	1799.788	62.16	PK-U	30.2	-45.8	46.56	-	-	-	-	68.2	-21.64	185	254	V
6	* 5000.09	54.84	PK-U	33.8	-39	49.64	-	-	74	-24.36	-	-	178	185	V
	* 4999.93	47.47	ADR	33.8	-39	42.27	54	-11.73	-	-	-	-	178	185	V
3	* 11571.208	48.39	PK-U	38	-35.6	50.79	-	-	74	-23.21	-	-	331	166	H
	* 11570.085	36.51	ADR	38	-35.6	38.91	54	-15.09	-	-	-	-	331	166	H
4	17357.987	50.07	PK-U	41	-31.3	59.77	-	-	-	-	68.2	-8.43	0	241	H
7	* 11568.224	48.19	PK-U	38	-35.5	50.69	-	-	74	-23.31	-	-	51	103	V
	* 11569.749	36.51	ADR	38	-35.6	38.91	54	-15.09	-	-	-	-	51	103	V
8	17356.79	53.55	PK-U	41	-31.3	63.25	-	-	-	-	68.2	-4.95	4	162	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	23083 ACF (dB) 3mH	Amp/Cbl/Fitr (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	1799.729	62.44	PK-U	30.2	-45.8	46.84	-	-	-	-	68.2	-21.36	160	228	H
2	* 5000.004	55.04	PK-U	33.8	-39	49.84	-	-	74	-24.16	-	-	190	108	H
	* 5000.005	47.24	ADR	33.8	-39	42.04	54	-11.96	-	-	-	-	190	108	H
5	1800.008	61.44	PK-U	30.2	-45.8	45.84	-	-	-	-	68.2	-22.36	148	182	V
6	* 4999.805	54.46	PK-U	33.8	-39.1	49.16	-	-	74	-24.84	-	-	180	176	V
	* 5000.033	48.02	ADR	33.8	-39	42.82	54	-11.18	-	-	-	-	180	176	V
3	* 11611.01	49.8	PK-U	38.1	-35.4	52.5	-	-	74	-21.5	-	-	319	173	H
	* 11611.33	37.81	ADR	38.1	-35.4	40.51	54	-13.49	-	-	-	-	319	173	H
4	17415.642	49.72	PK-U	40.9	-30.8	59.62	-	-	-	-	68.2	-8.38	357	180	H
7	* 11603.467	47.69	PK-U	38.1	-35.4	50.39	-	-	74	-23.61	-	-	4	265	V
	* 11603.103	36.06	ADR	38.1	-35.4	38.76	54	-15.24	-	-	-	-	4	265	V
8	17416.221	52.99	PK-U	40.9	-30.8	63.09	-	-	-	-	68.2	-5.11	10	101	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

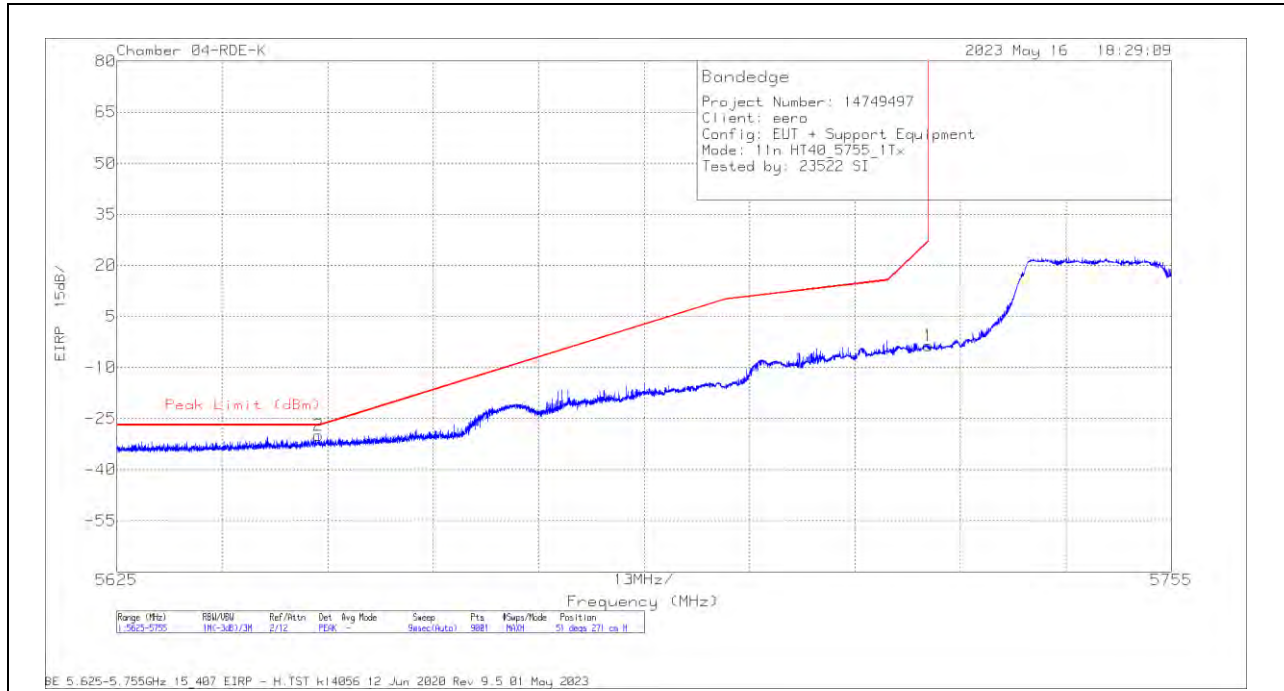


### 10.1.7. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT

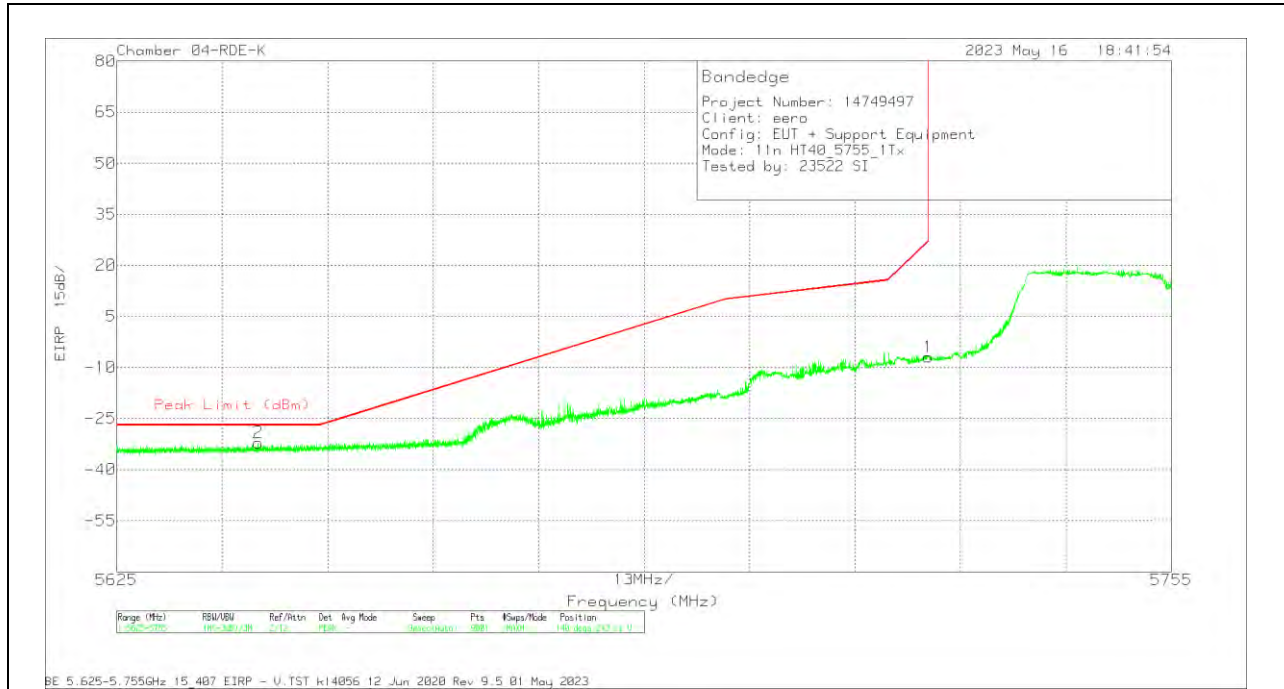


#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-43.34	PK	34.7	-6.7	11.8	-3.54	27	-30.54	51	271	H
2	5649.844	-69.28	PK	34.6	-7.1	11.8	-29.98	-27	-2.98	51	271	H

Pk - Peak detector

### VERTICAL RESULT



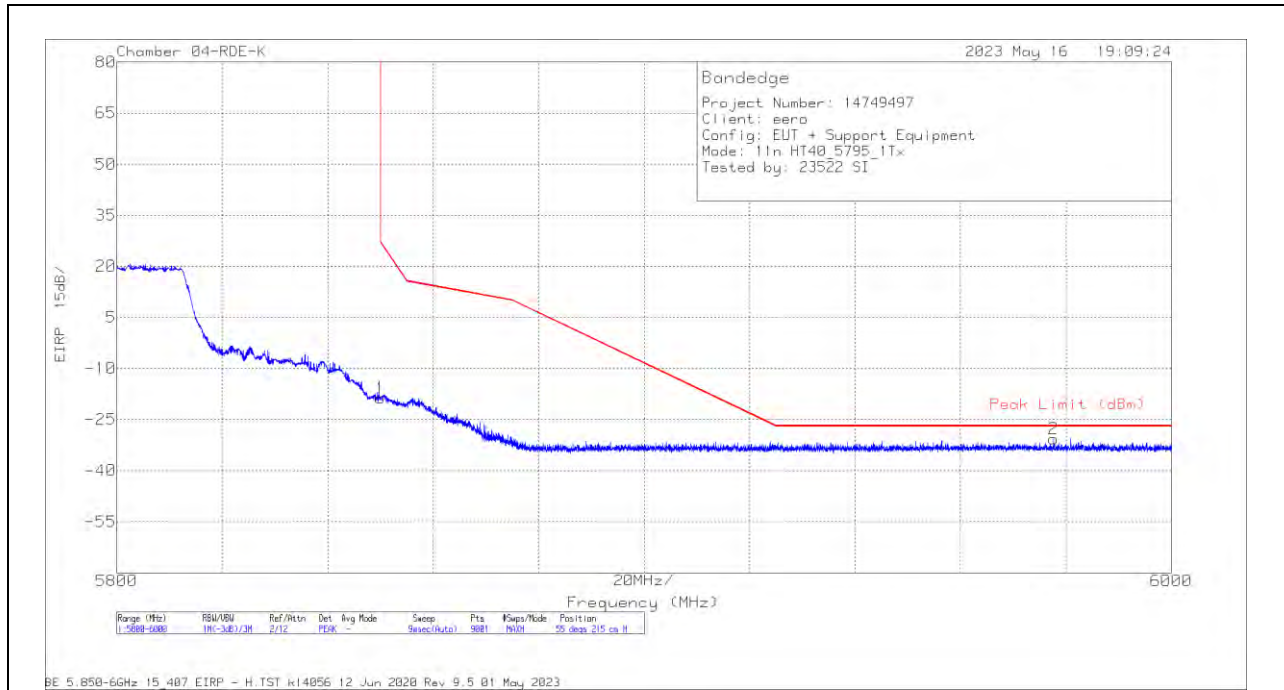
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-46.71	Pk	34.7	-6.7	11.8	-6.91	27	-33.91	140	243	V
2	5642.419	-71.35	Pk	34.6	-7.1	11.8	-32.05	-27	-5.05	140	243	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-58.7	Pk	34.8	-6.6	11.8	-18.7	27	-45.7	55	215	H
2	5977.643	-71.17	Pk	35	-6.3	11.8	-30.67	-27	-3.67	55	215	H

Pk - Peak detector

### VERTICAL RESULT



#### Trace Markers

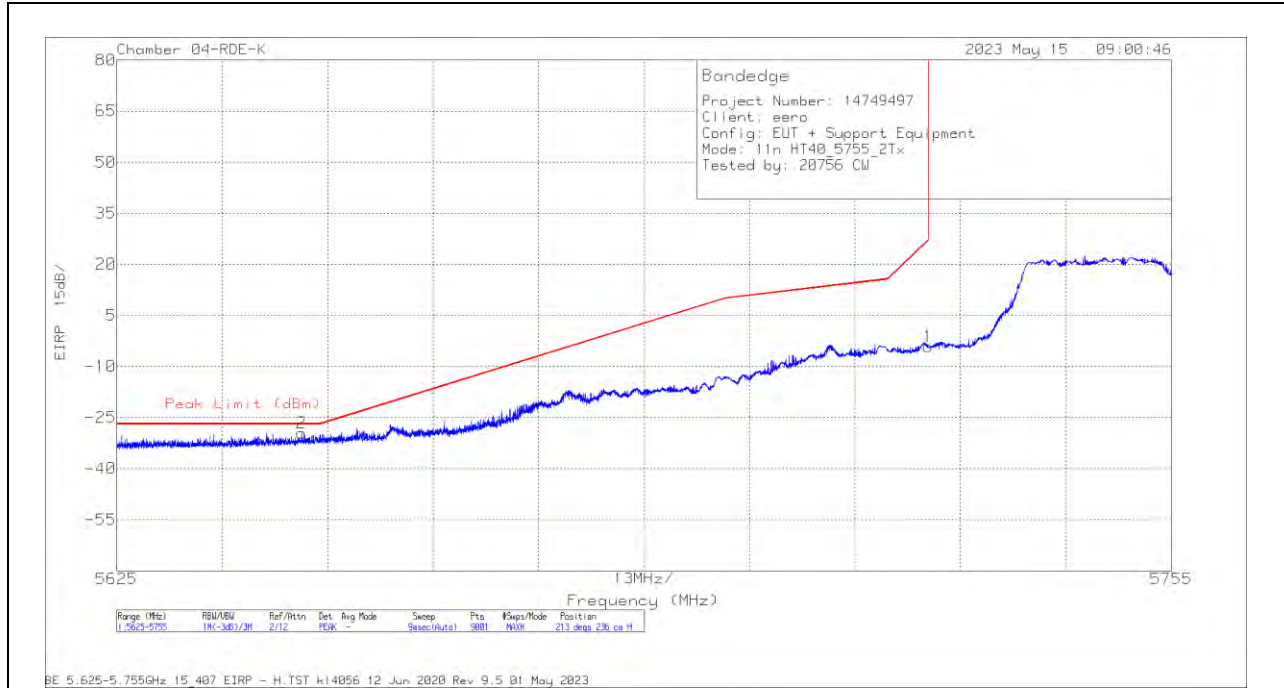
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-63.32	Pk	34.8	-6.6	11.8	-23.32	27	-50.32	129	347	V
2	5952.687	-71.99	Pk	35	-6.2	11.8	-31.39	-27	-4.39	129	347	V

Pk - Peak detector

**2TX Antenna 6 + Antenna 4 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

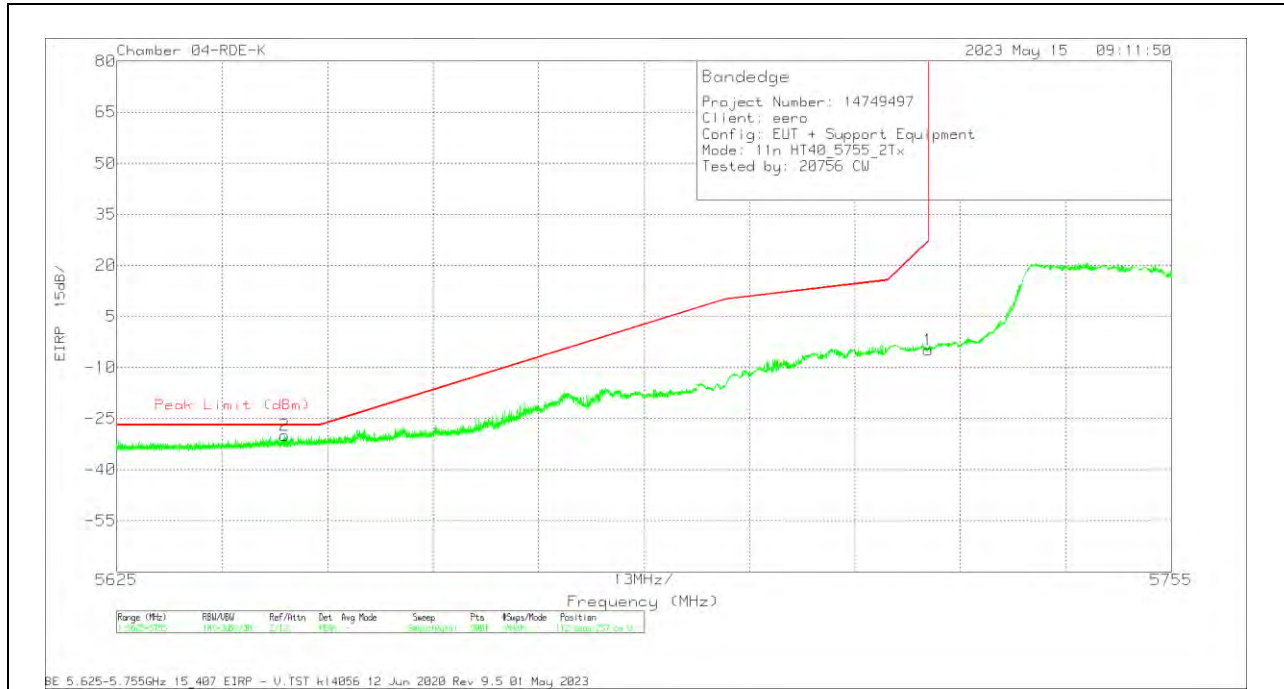


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-44.01	PK	34.7	-6.7	11.8	-4.21	27	-31.21	213	236	H
2	5647.778	-68.86	PK	34.6	-7.1	11.8	-29.56	-27	-2.56	213	236	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

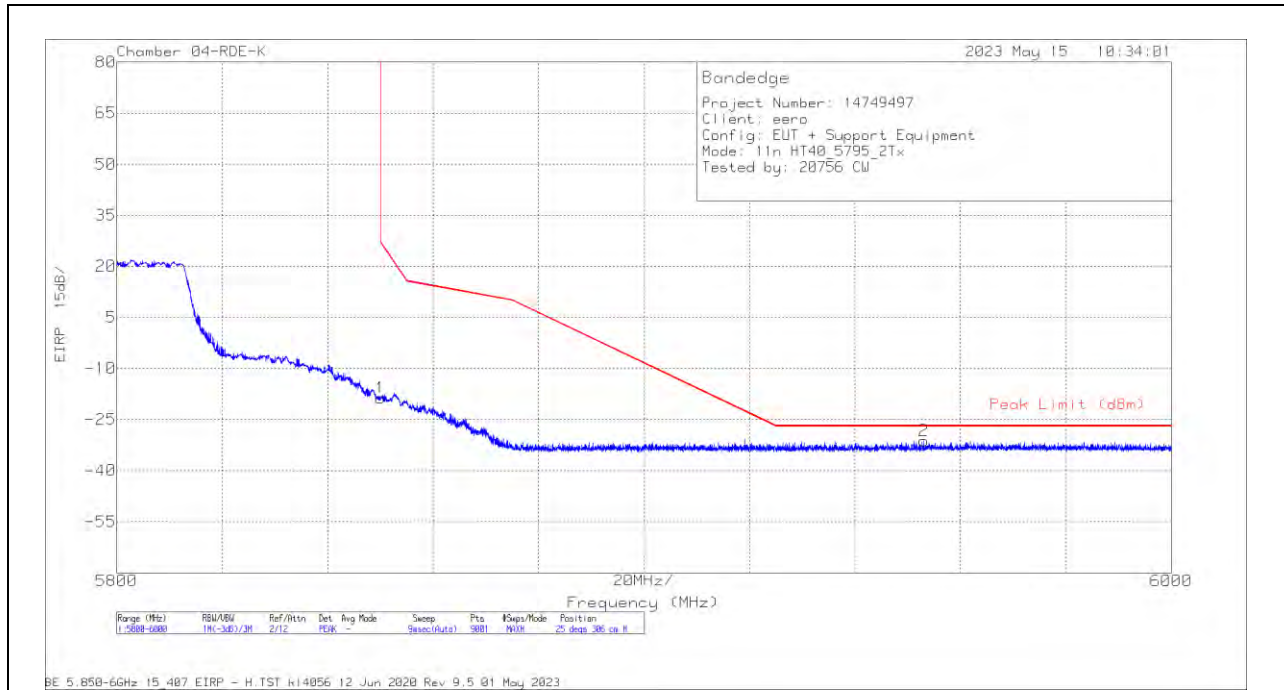
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-44.75	Pk	34.7	-6.7	11.8	-4.95	27	-31.95	112	257	V
2	5645.727	-69.17	Pk	34.6	-7.1	11.8	-29.87	-27	-2.87	112	257	V

Pk - Peak detector



**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-58.72	Pk	34.8	-6.6	11.8	-18.72	27	-45.72	25	306	H
2	5953.043	-71.83	Pk	35	-6.2	11.8	-31.23	-27	-4.23	25	306	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

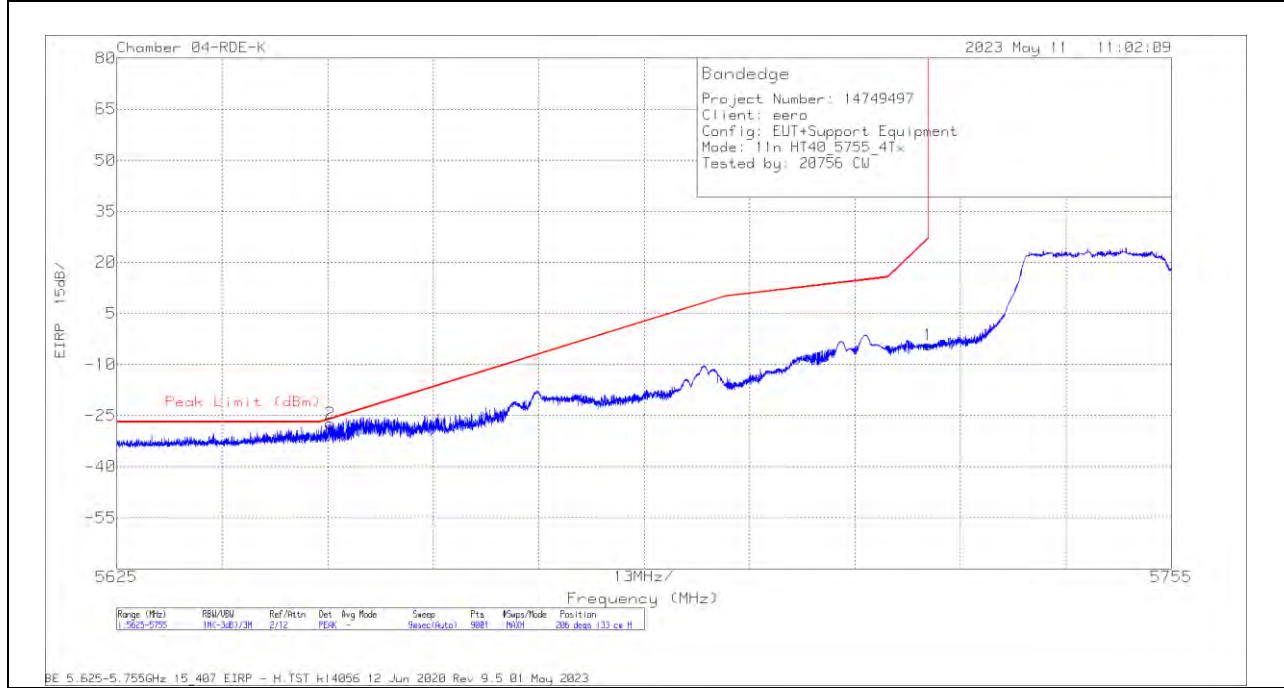
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-58.58	Pk	34.8	-6.6	11.8	-18.58	27	-45.58	115	334	V
2	5928.576	-71.57	Pk	34.9	-6.4	11.8	-31.27	-27	-4.27	115	334	V

Pk - Peak detector

**4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

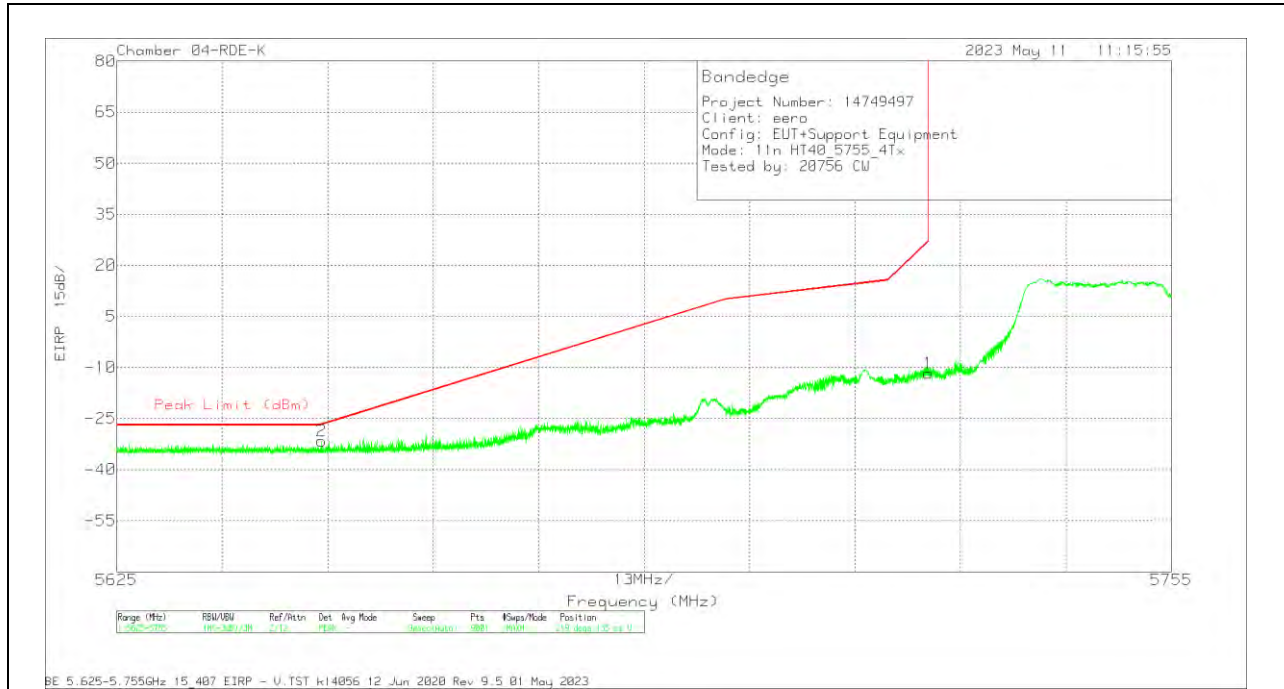


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-44.19	PK	34.7	-6.7	11.8	-4.39	27	-31.39	206	133	H
2	5651.303	-66.57	PK	34.6	-7.1	11.8	-27.27	-26.04	-1.23	206	133	H

Pk - Peak detector

### VERTICAL RESULT



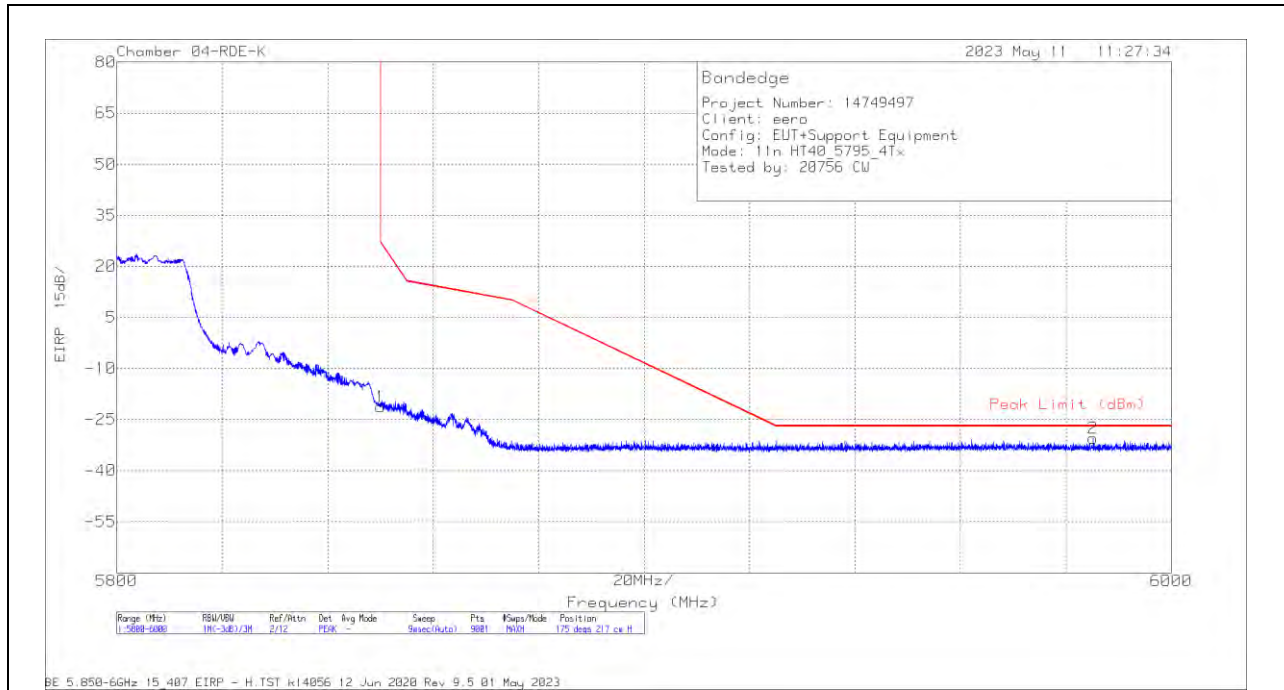
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-51.55	Pk	34.7	-6.7	11.8	-11.75	27	-38.75	219	135	V
2	5650.234	-70.82	Pk	34.6	-7.1	11.8	-31.52	-26.83	-4.69	219	135	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-61.22	Pk	34.8	-6.6	11.8	-21.22	27	-48.22	175	217	H
2	5985.109	-70.99	Pk	35	-6.3	11.8	-30.49	-27	-3.49	175	217	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

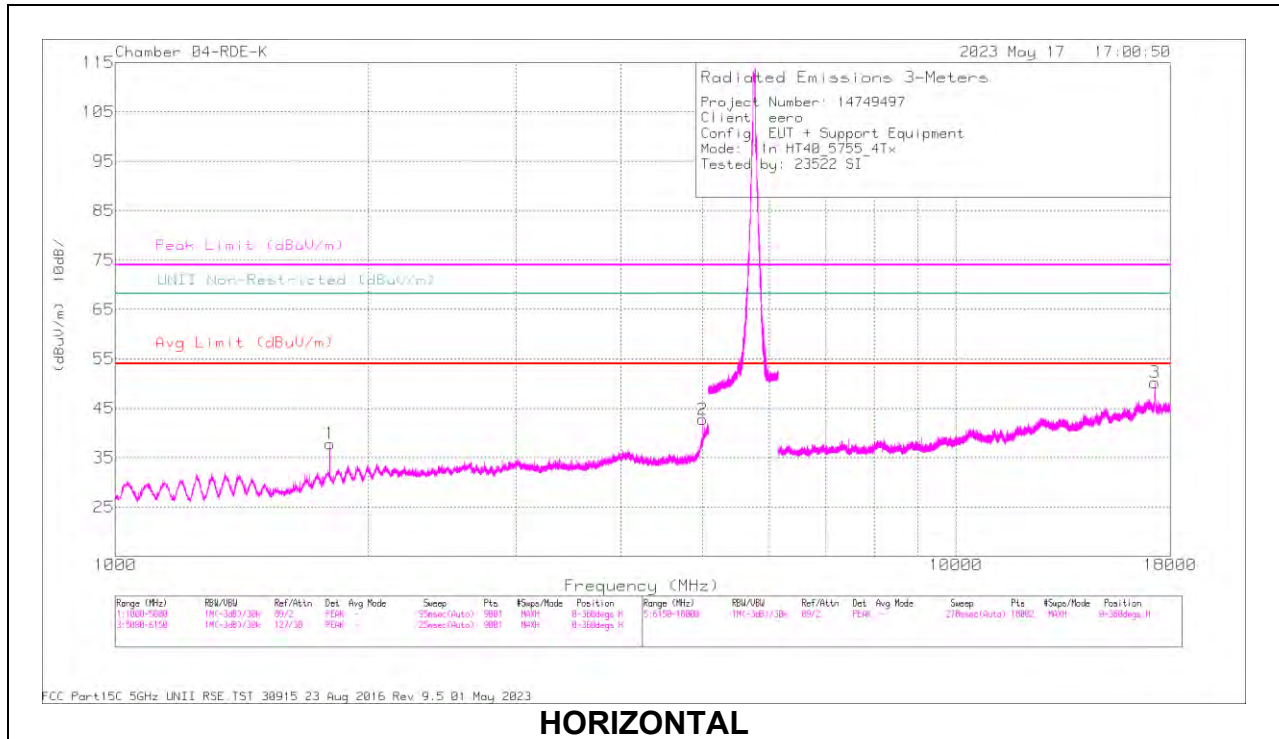
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-56.45	Pk	34.8	-6.6	11.8	-16.45	27	-43.45	316	229	V
2	5966.932	-71.23	Pk	35	-6.2	11.8	-30.63	-27	-3.63	316	229	V

Pk - Peak detector

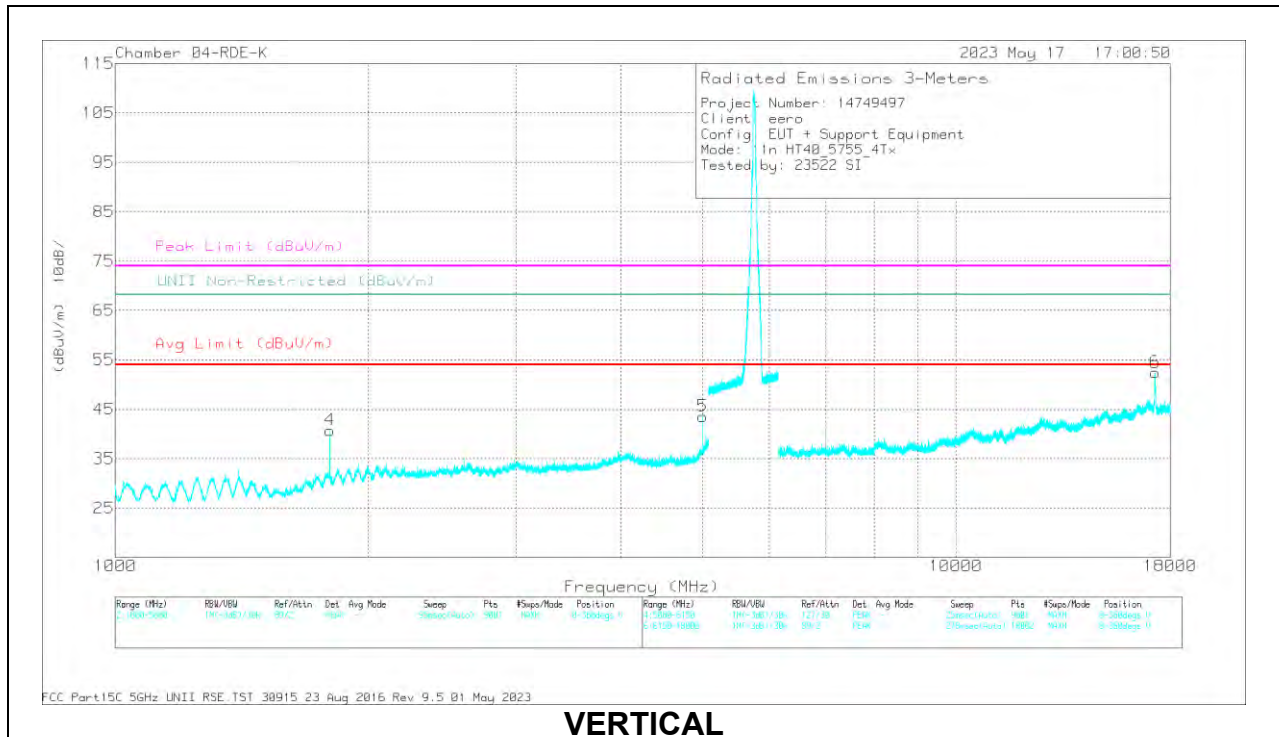


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



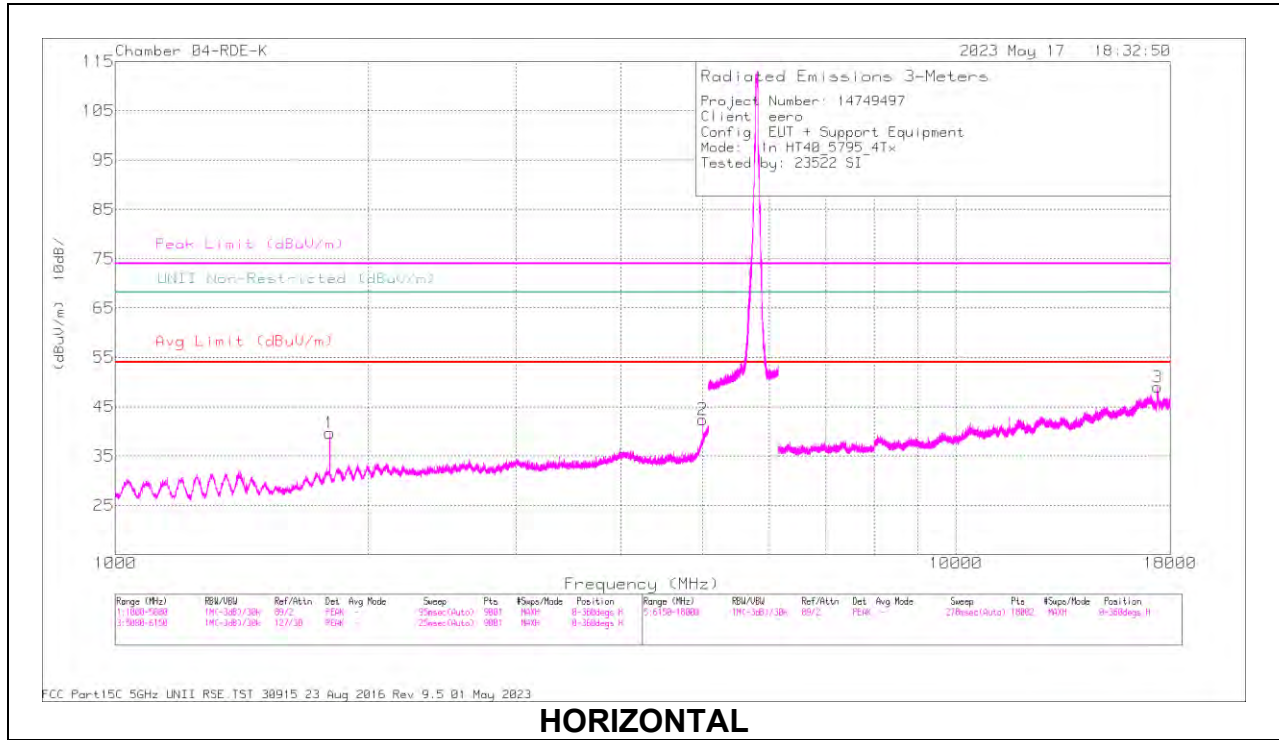
**VERTICAL**

### RADIATED EMISSIONS

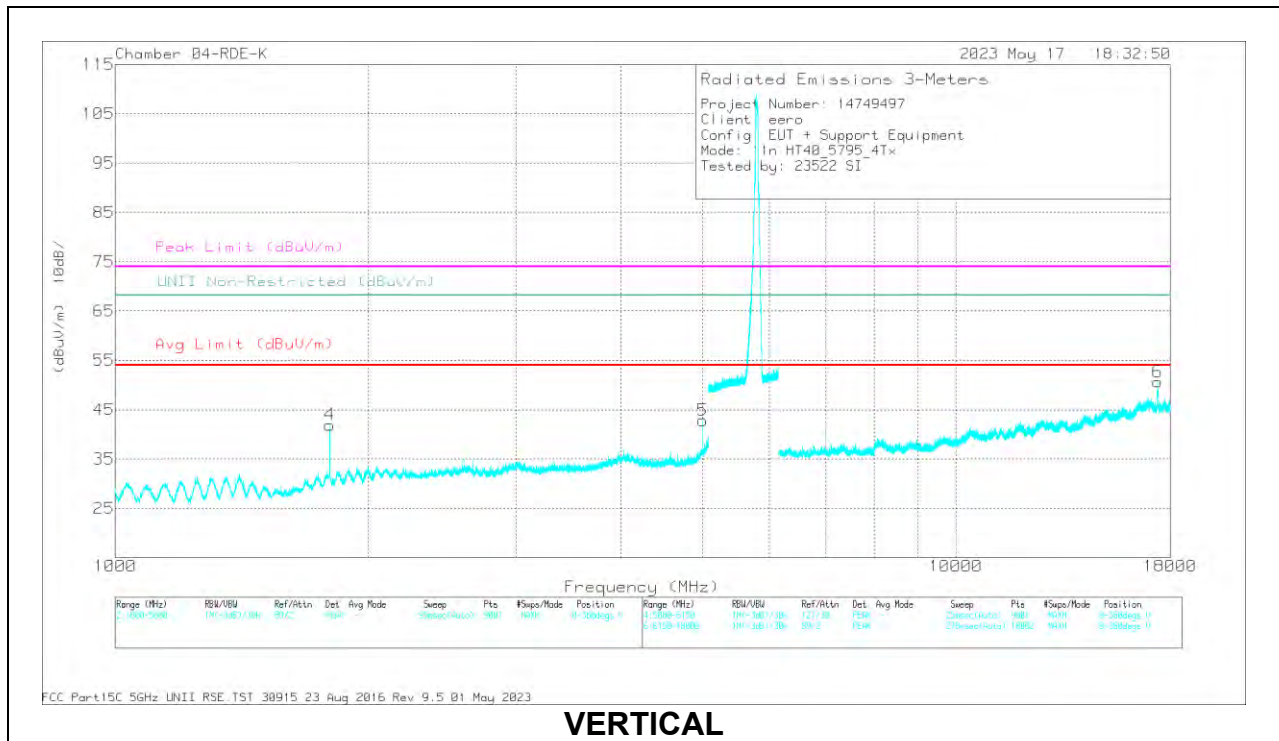
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3MHz	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1799.776	60.71	PK-U	30.2	-45.1	45.81	-	-	-	-	68.2	-22.39	173	232	H
2	* 5000.04	55.73	PK-U	33.8	-38.5	51.03	-	-	74	-22.97	-	-	194	297	H
	* 5000.071	47.6	ADR	33.8	-38.5	42.9	54	-11.1	-	-	-	-	194	297	H
4	1800.243	62.36	PK-U	30.2	-45.1	47.46	-	-	-	-	68.2	-20.74	195	236	V
5	* 4999.994	55.41	PK-U	33.8	-38.5	50.71	-	-	74	-23.29	-	-	169	132	V
	* 5000.007	48.05	ADR	33.8	-38.5	43.35	54	-10.65	-	-	-	-	169	132	V
3	17258.193	49.55	PK-U	41.1	-30.9	59.75	-	-	-	-	68.2	-8.45	44	198	H
6	17256.088	51.65	PK-U	41.1	-30.8	61.95	-	-	-	-	68.2	-6.25	23	143	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3MHz	Cbl/Amp (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	1799.938	61.33	PK-U	30.2	-45.1	46.43	-	-	-	-	68.2	-21.77	174	202	H
2	*4999.914	55.93	PK-U	33.8	-38.5	51.23	-	-	74	-22.77	-	-	193	121	H
	*5000.025	48.03	ADR	33.8	-38.5	43.33	54	-10.67	-	-	-	-	193	121	H
4	1800.508	63.2	PK-U	30.2	-45.2	48.2	-	-	-	-	68.2	-20	202	236	V
5	*5000.08	54.77	PK-U	33.8	-38.5	50.07	-	-	74	-23.93	-	-	180	165	V
	*4999.968	47.7	ADR	33.8	-38.5	43	54	-11	-	-	-	-	180	165	V
3	17385.611	48.13	PK-U	40.9	-30.6	58.43	-	-	-	-	68.2	-9.77	360	256	H
6	17390.173	49.25	PK-U	40.9	-30.5	59.65	-	-	-	-	68.2	-8.55	23	185	V

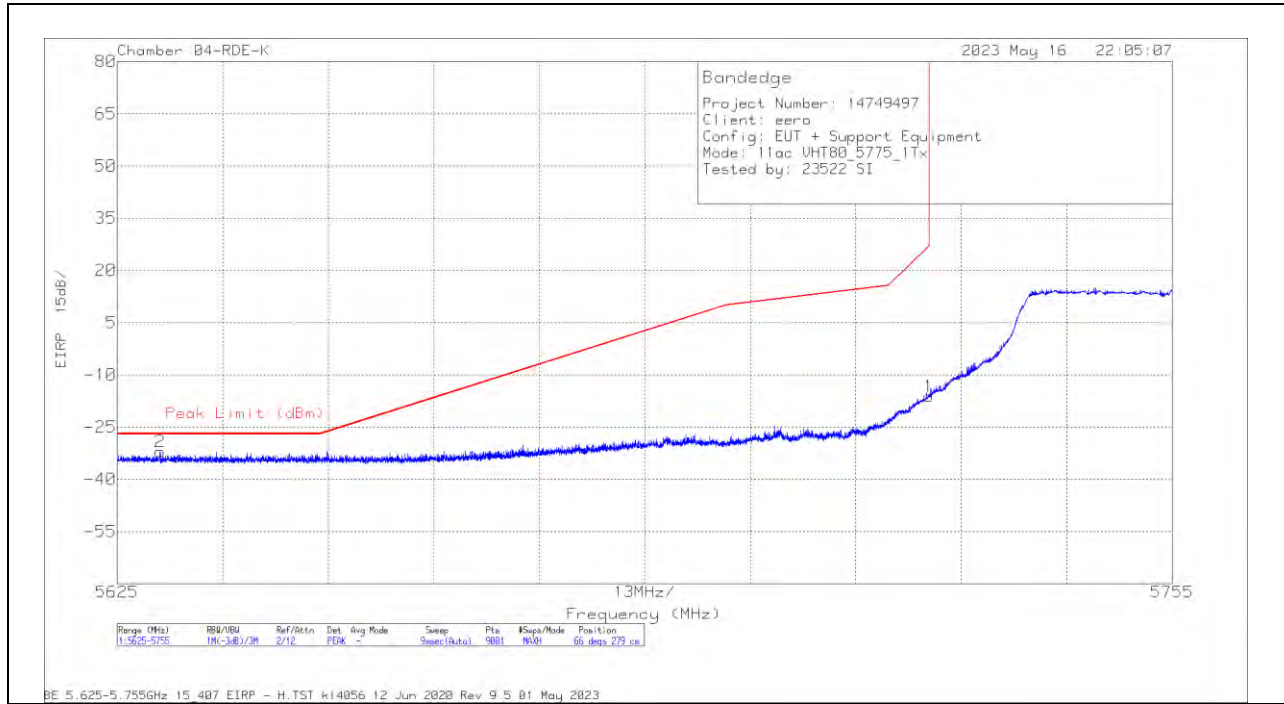
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

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

#### 1TX Antenna 6 MODE

#### BANDEDGE (LOW EDGE)

#### HORIZONTAL RESULT

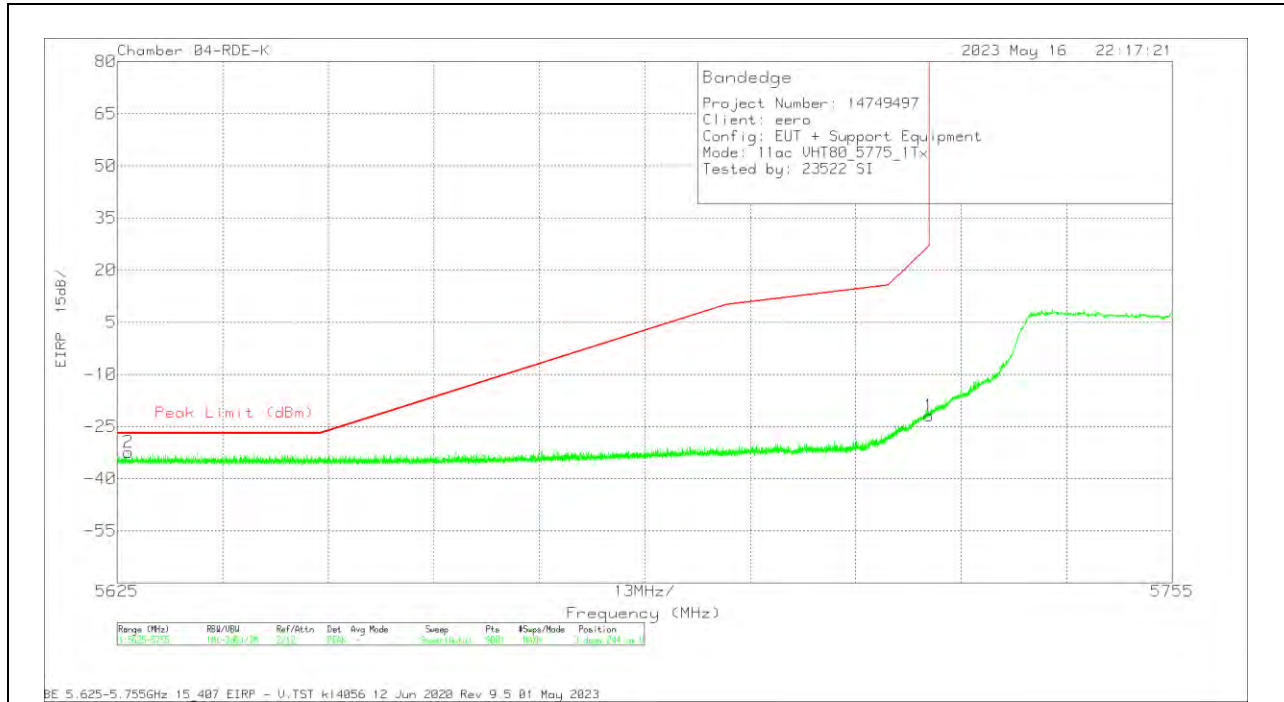


#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-56.01	Pk	34.7	-6.7	11.8	-16.21	27	-43.21	66	279	H
2	5630.287	-71.49	Pk	34.6	-7	11.8	-32.09	-27	-5.09	66	279	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

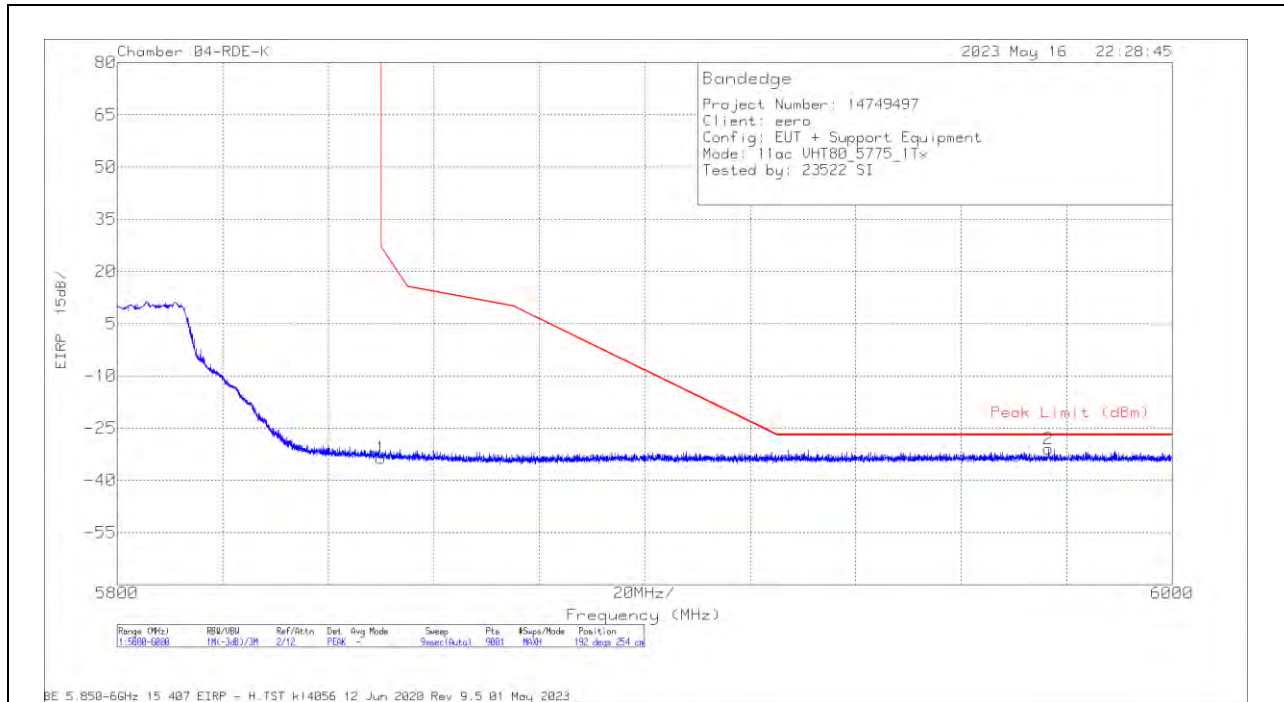
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-61.73	PK	34.7	-6.7	11.8	-21.93	27	-48.93	3	244	V
2	5626.358	-71.77	PK	34.6	-7	11.8	-32.37	-27	-5.37	3	244	V

Pk - Peak detector



**BANDEDGE (HIGH EDGE)**

**HORIZONTAL RESULT**

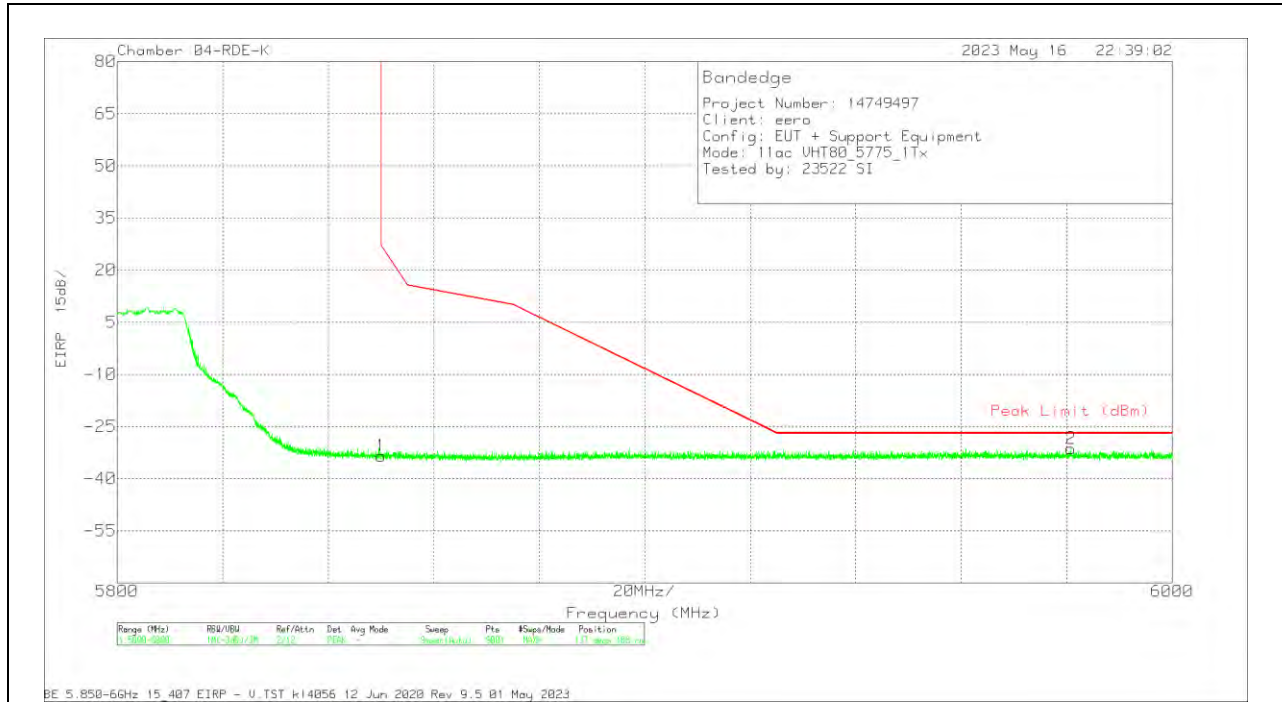


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-73.61	Pk	34.8	-6.6	11.8	-33.61	27	-60.61	192	254	H
2	5976.554	-71.49	Pk	35	-6.3	11.8	-30.99	-27	-3.99	192	254	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

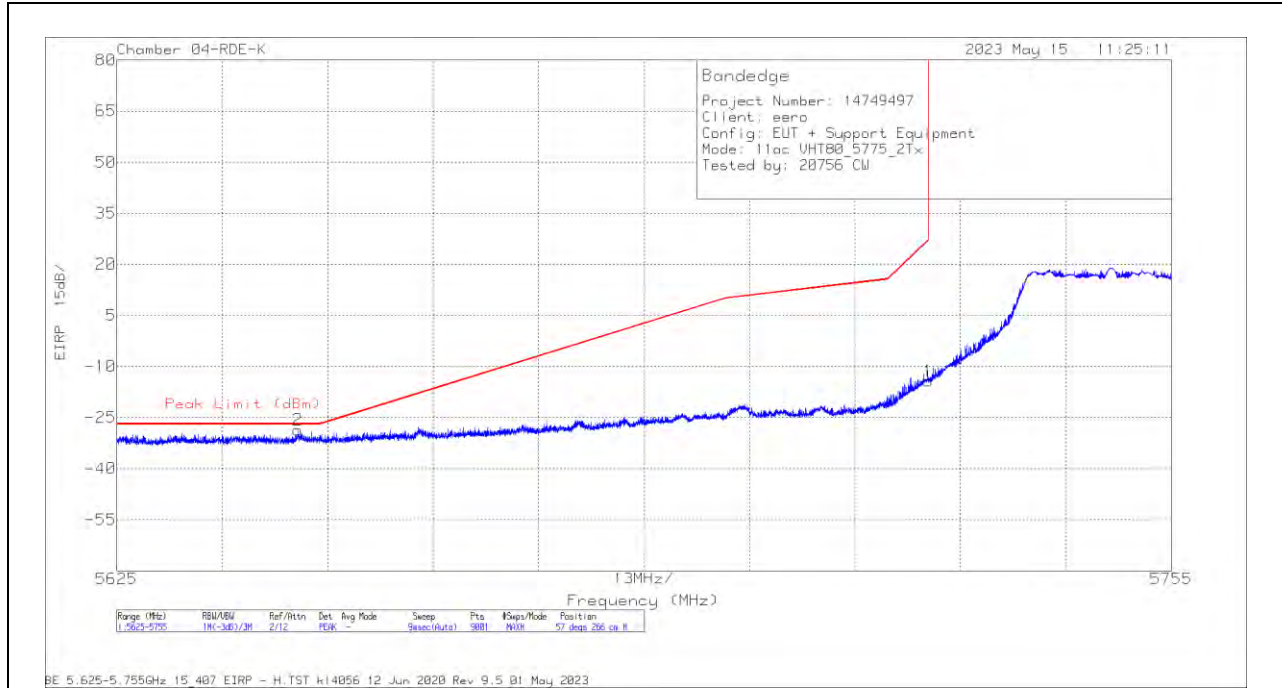
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-73.48	PK	34.8	-6.6	11.8	-33.48	27	-60.48	137	188	V
2	5980.776	-71.84	PK	35	-6.3	11.8	-31.34	-27	-4.34	137	188	V

Pk - Peak detector

**2TX Antenna 6 + Antenna 4 CDD MODE**

**BANDEDGE (LOW EDGE)**

**HORIZONTAL RESULT**

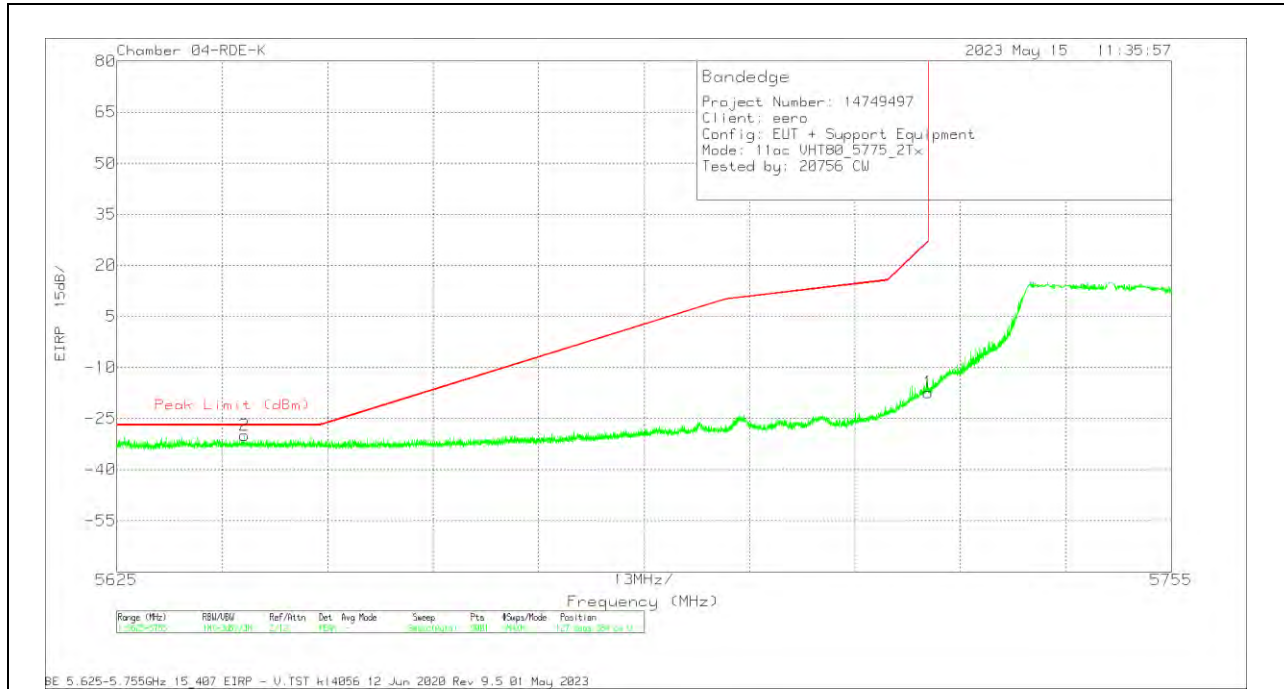


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-54.02	Pk	34.7	-6.7	11.8	-14.22	27	-41.22	57	266	H
2	5647.33	-67.9	Pk	34.6	-7.1	11.8	-28.6	-27	-1.6	57	266	H

Pk - Peak detector

### VERTICAL RESULT



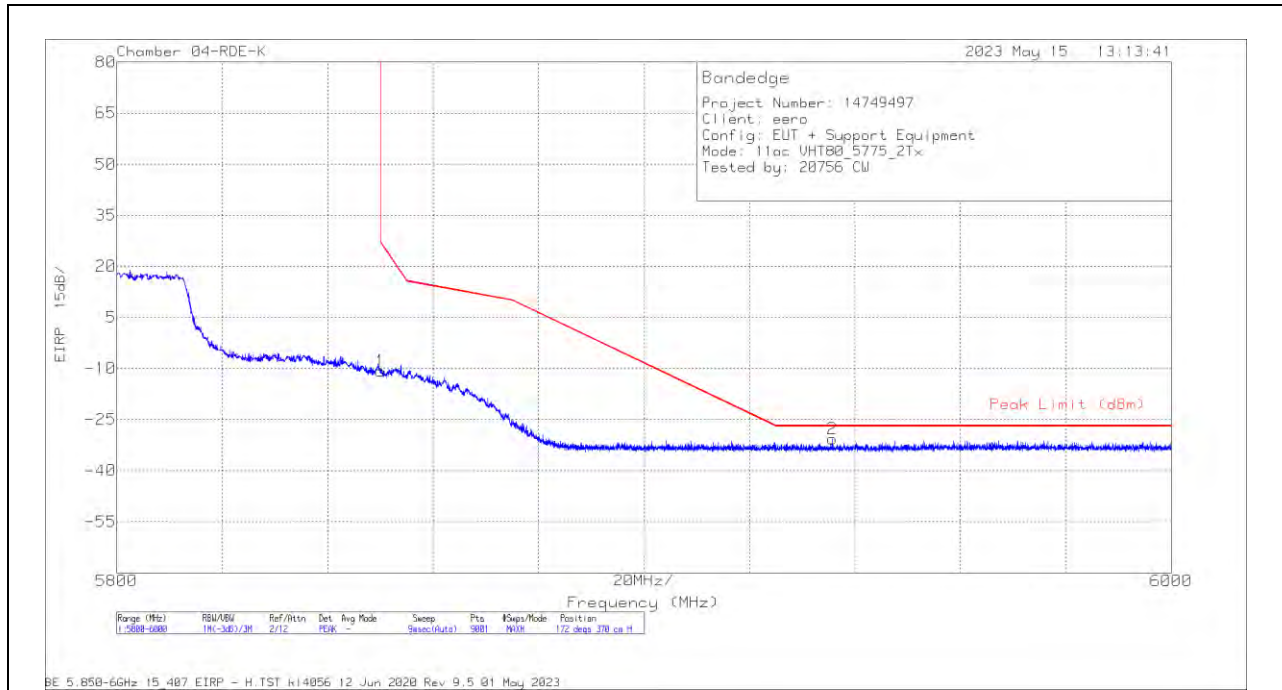
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-57.11	PK	34.7	-6.7	11.8	-17.31	27	-44.31	127	384	V
2	5640.744	-69.32	PK	34.6	-7	11.8	-29.92	-27	-2.92	127	384	V

Pk - Peak detector

**BANDEDGE (HIGH EDGE)**

**HORIZONTAL RESULT**

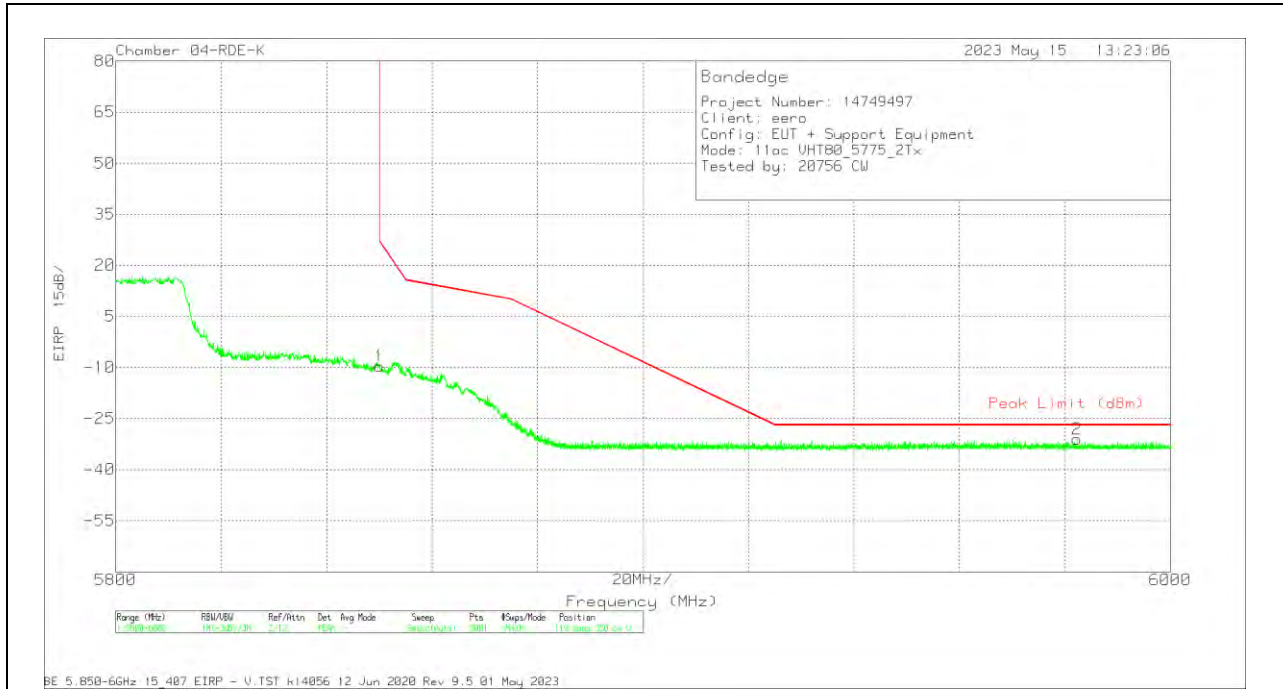


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-50.76	Pk	34.8	-6.6	11.8	-10.76	27	-37.76	172	370	H
2	5935.754	-70.94	Pk	34.9	-6.4	11.8	-30.64	-27	-3.64	172	370	H

Pk - Peak detector

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-49.71	PK	34.8	-6.6	11.8	-9.71	27	-36.71	119	350	V
2	5982.309	-71.49	PK	35	-6.3	11.8	-30.99	-27	-3.99	119	350	V

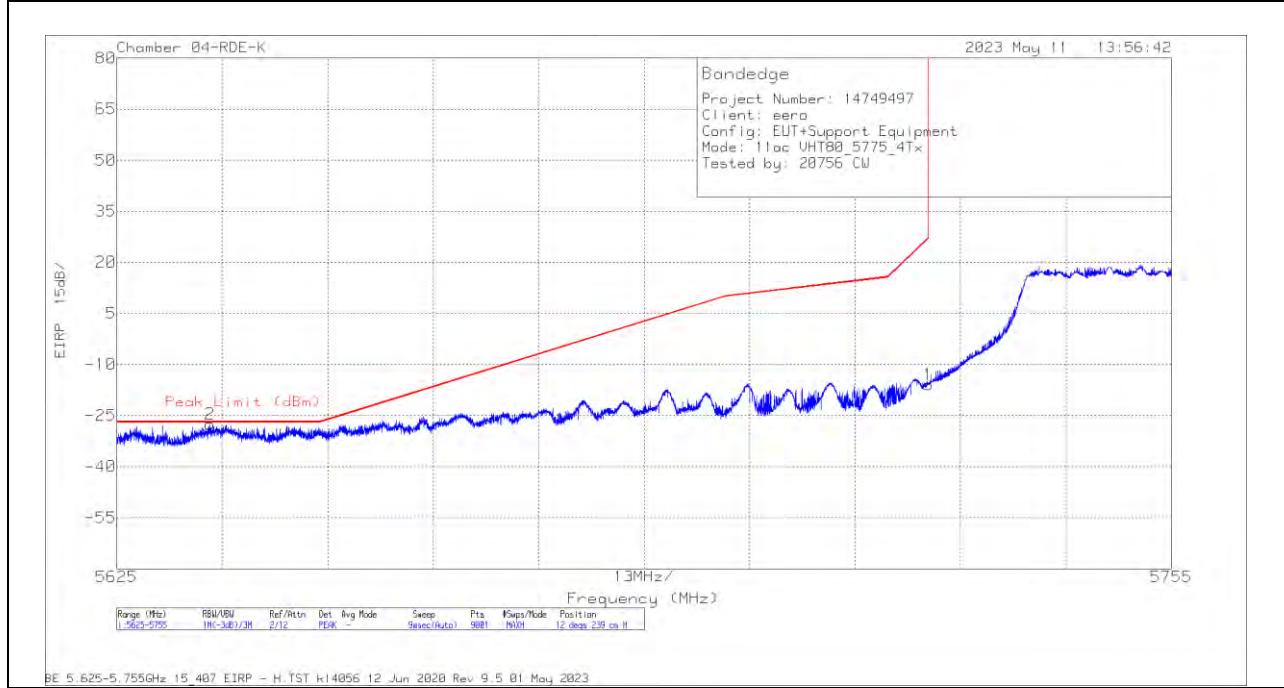
Pk - Peak detector



**4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD MODE**

**BANDEDGE (LOW EDGE)**

**HORIZONTAL RESULT**

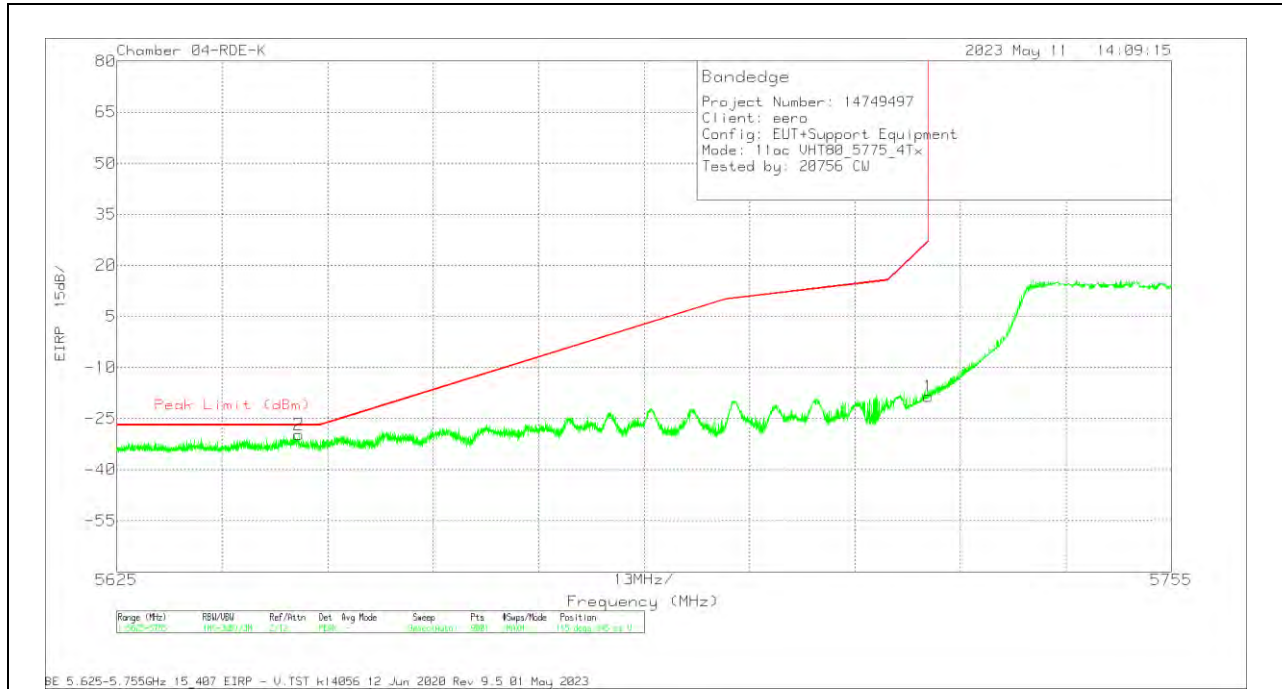


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-55.64	Pk	34.7	-6.7	11.8	-15.84	27	-42.84	12	239	H
2	5636.497	-66.94	Pk	34.6	-7	11.8	-27.54	-27	-.54	12	239	H

Pk - Peak detector

### VERTICAL RESULT



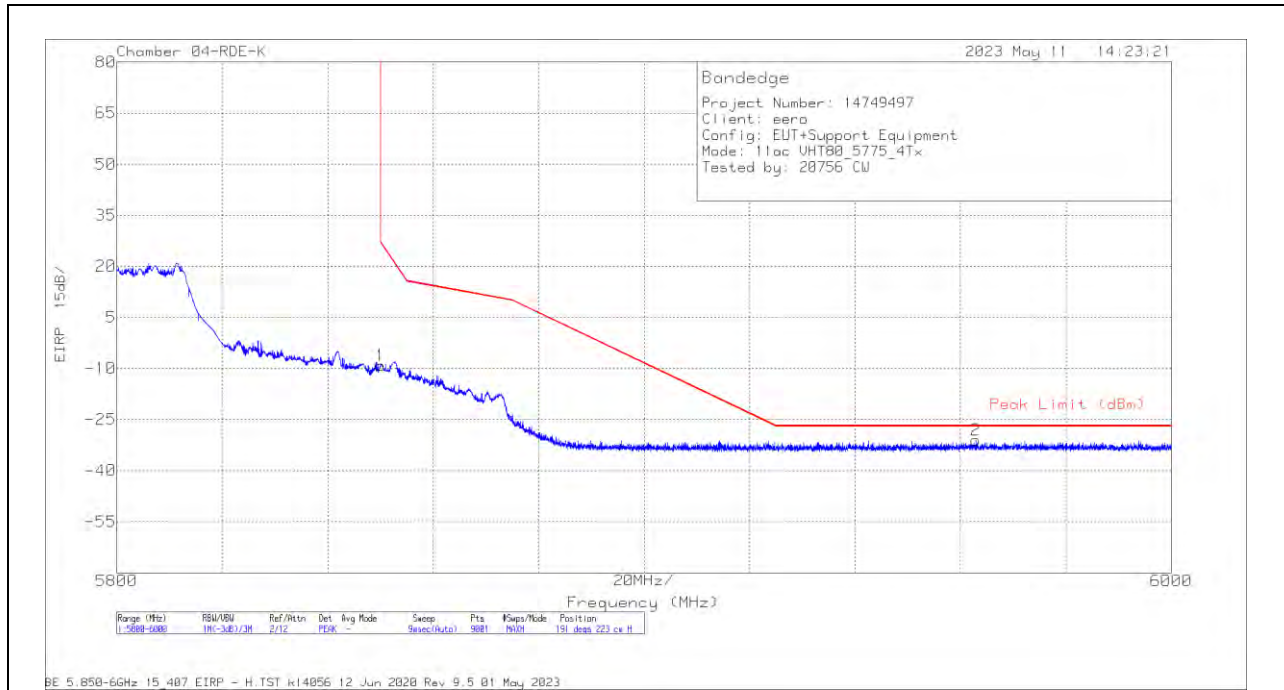
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-58.24	PK	34.7	-6.7	11.8	-18.44	27	-45.44	115	345	V
2	5647.432	-68.99	PK	34.6	-7.1	11.8	-29.69	-27	-2.69	115	345	V

Pk - Peak detector

**BANDEDGE (HIGH EDGE)**

**HORIZONTAL RESULT**

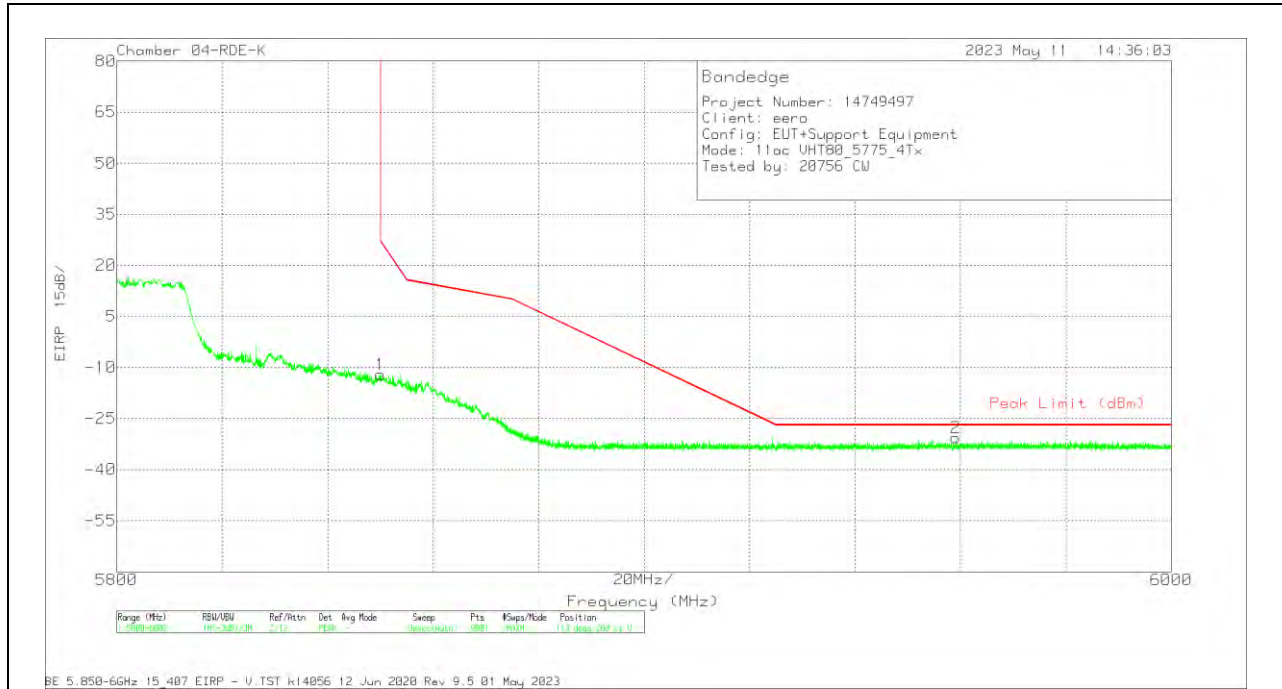


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-49.17	PK	34.8	-6.6	11.8	-9.17	27	-36.17	191	223	H
2	5962.865	-71.67	PK	35	-6.2	11.8	-31.07	-27	-4.07	191	223	H

Pk - Peak detector

### VERTICAL RESULT



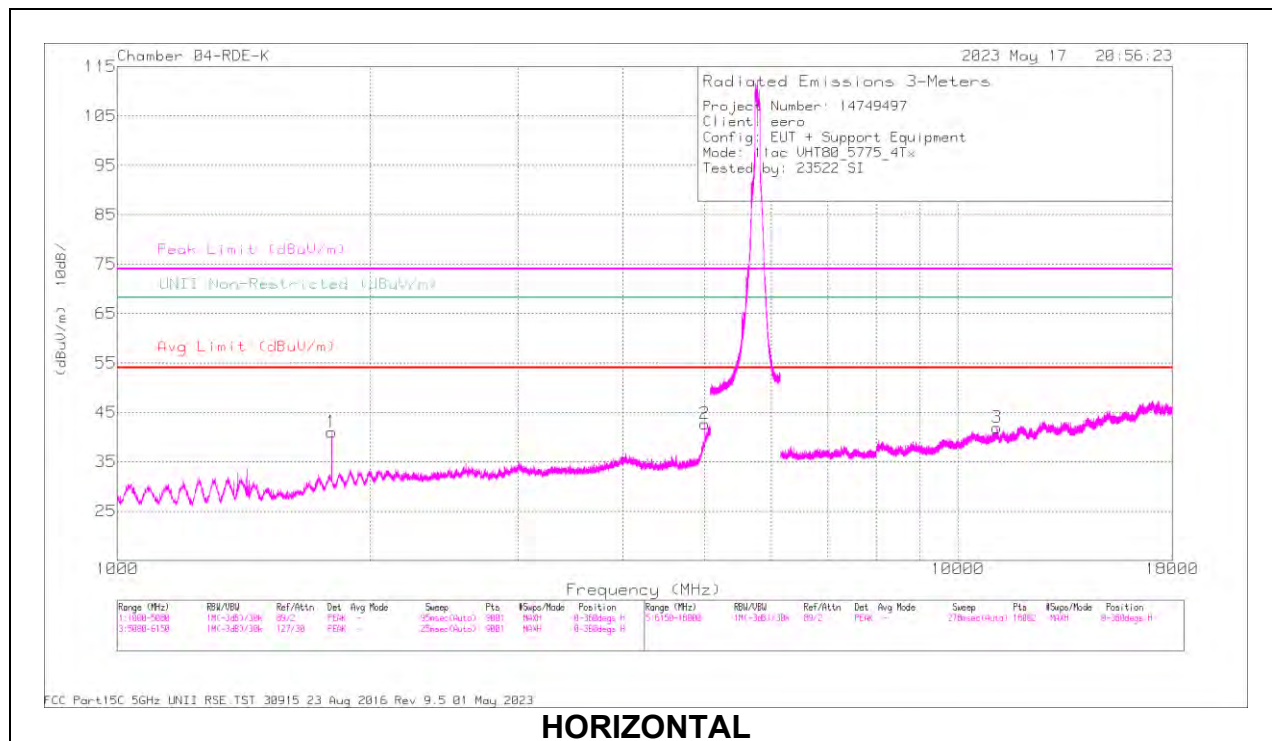
### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-52.13	PK	34.8	-6.6	11.8	-12.13	27	-39.13	113	260	V
2	5959.087	-71.25	PK	35	-6.2	11.8	-30.65	-27	-3.65	113	260	V

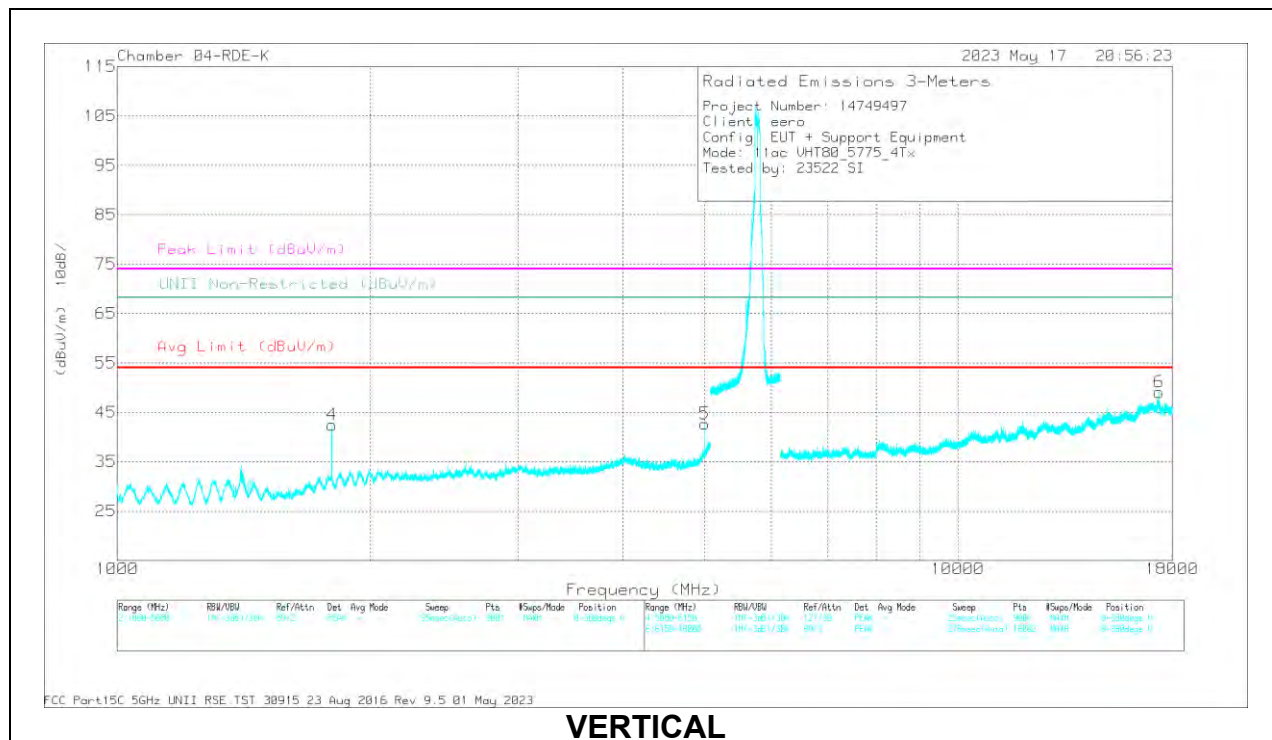
Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS

## RESULTS



### HORIZONTAL



### VERTICAL

### RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (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	1800.374	61.31	PK-U	30.2	-45.1	46.41	-	-	-	-	68.2	-21.79	177	199	H
2	* 4999.88	56.5	PK-U	33.8	-38.5	51.8	-	-	74	-22.2	-	-	195	286	H
	* 5000.034	48.49	ADR	33.8	-38.5	43.79	54	-10.21	-	-	-	-	195	286	H
4	1799.859	61.62	PK-U	30.2	-45.1	46.72	-	-	-	-	68.2	-21.48	204	243	V
5	* 4999.885	54.91	PK-U	33.8	-38.5	50.21	-	-	74	-23.79	-	-	178	162	V
	* 4999.94	47.82	ADR	33.8	-38.5	43.12	54	-10.88	-	-	-	-	178	162	V
3	* 11125.152	48.43	PK-U	38	-38	50.43	-	-	74	-23.57	-	-	355	354	H
	* 11126.584	38.77	ADR	38	-35.9	38.87	54	-15.13	-	-	-	-	355	354	H
6	17366.63	48.44	PK-U	40.9	-30.5	58.84	-	-	-	-	68.2	-9.36	5	113	V

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

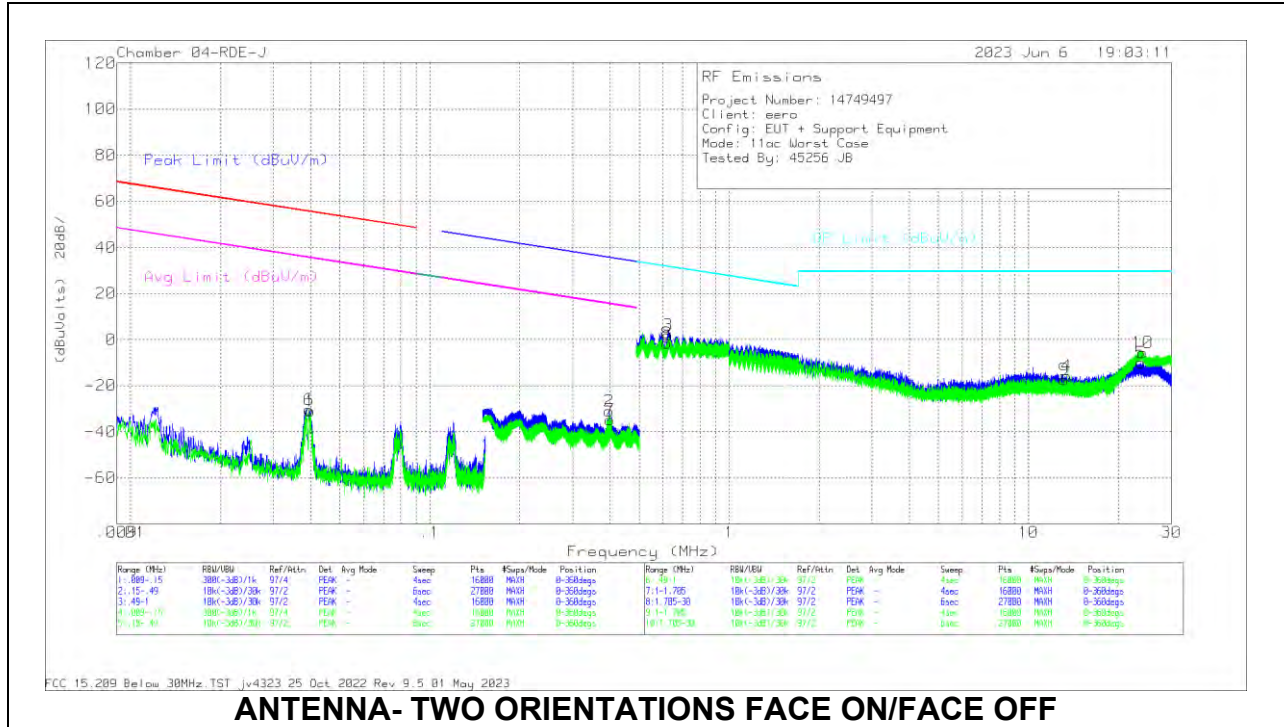
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



## 10.2. WORST CASE BELOW 30MHz

### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



### ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

#### Below 30MHz Data

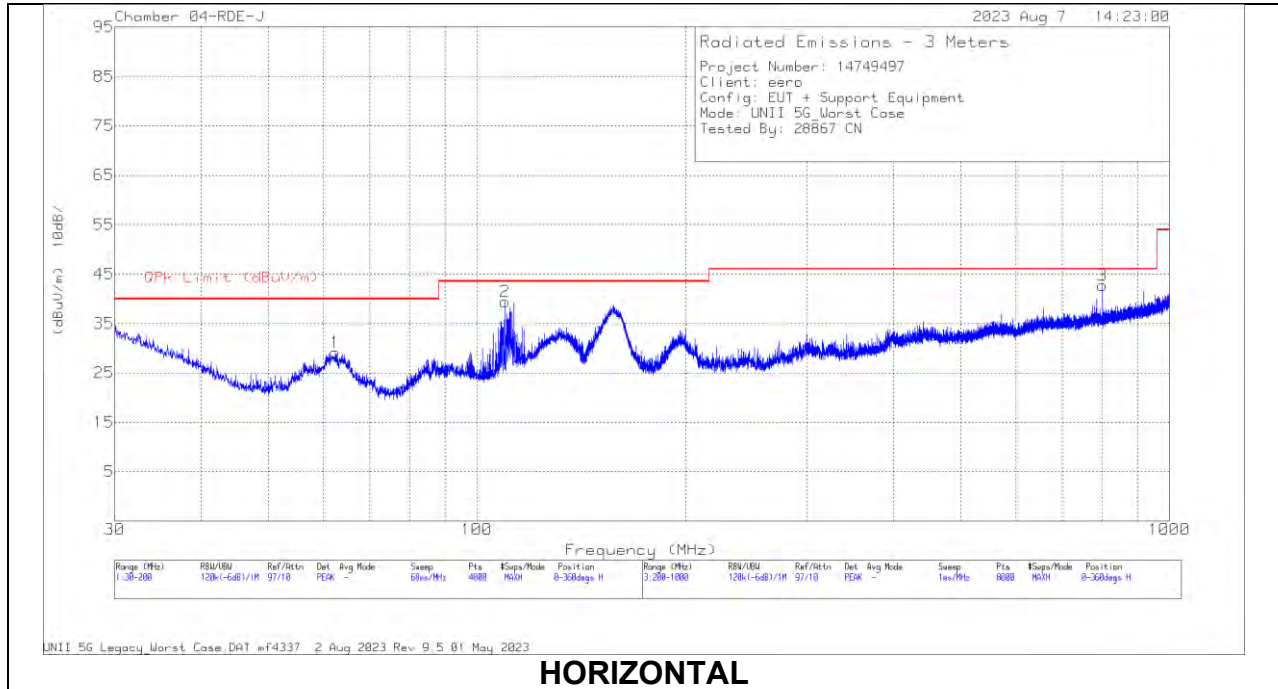
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Amp/Cables (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Antenna Polarity (Degs)	
1	.0398	24.06	Pk	57.3	-32.3	-80	-30.94	55.59	-86.53	35.59	-66.53	-	-	-	-	-	0-360	0-Deg
2	.3979	24.97	Pk	56.2	-32.2	-80	-31.03	-	-	35.61	-66.64	15.61	-46.64	-	-	-	0-360	0-Deg
6	.0395	24.48	Pk	57.3	-32.3	-80	-30.52	55.65	-86.17	35.65	-66.17	-	-	-	-	-	0-360	90-Degs
7	.3994	21.24	Pk	56.2	-32.2	-80	-34.76	-	-	35.58	-70.34	15.58	-50.34	-	-	-	0-360	90-Degs

Pk - Peak detector

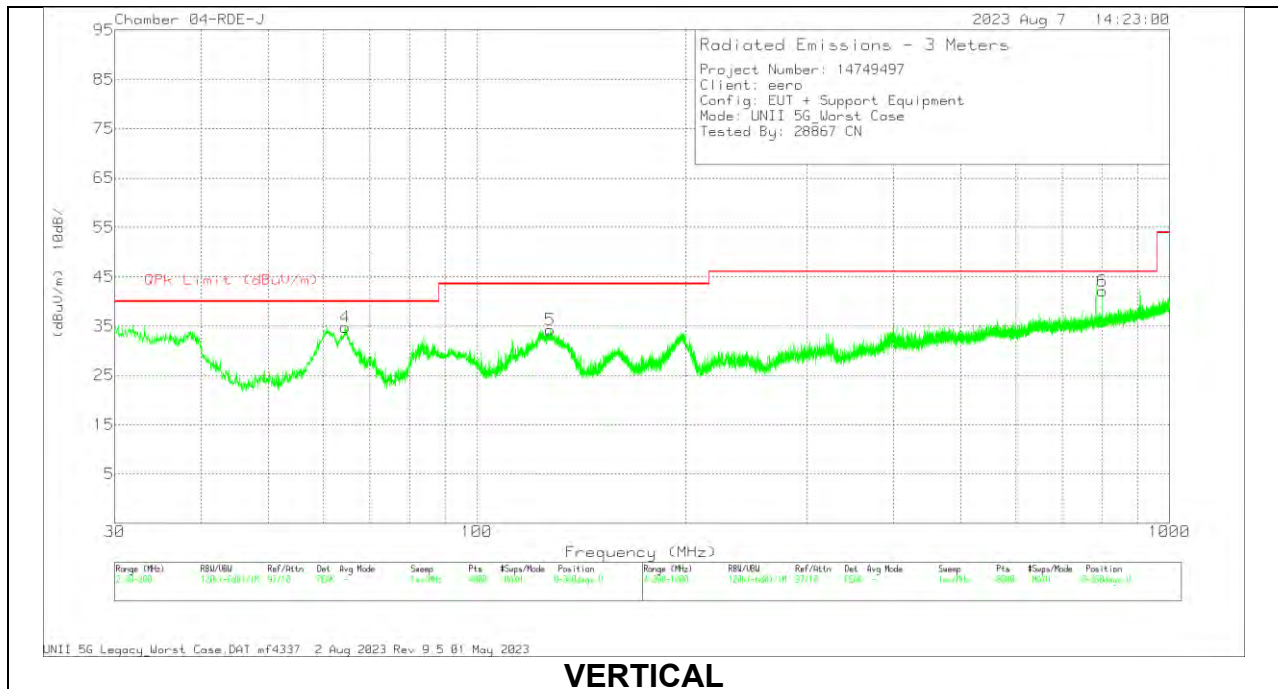
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Amp/Cables (dB)	Dist Corr 30m 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Antenna Polarity (Degs)
3	.6255	17.86	Pk	56.3	-32.2	-40	1.96	31.69	-29.73	0-360	0-deg
8	.619	14.44	Pk	56.3	-32.2	-40	-1.46	31.78	-33.24	0-360	90-Degs
4	13.3923	21.79	Pk	34.3	-31.9	-40	-15.81	29.5	-45.31	0-360	0-deg
5	23.7067	27.79	Pk	33.8	-31.7	-40	-10.11	29.5	-39.61	0-360	0-deg
9	13.1764	20.17	Pk	34.3	-31.9	-40	-17.43	29.5	-46.93	0-360	90-Degs
10	24.0505	32.14	Pk	33.8	-31.7	-40	-5.76	29.5	-35.26	0-360	90-Degs

Pk - Peak detector

**10.3. WORST CASE BELOW 1 GHz (Foxlink PSU)  
 SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)**



**HORIZONTAL**



**VERTICAL**

**Below 1GHz Data**

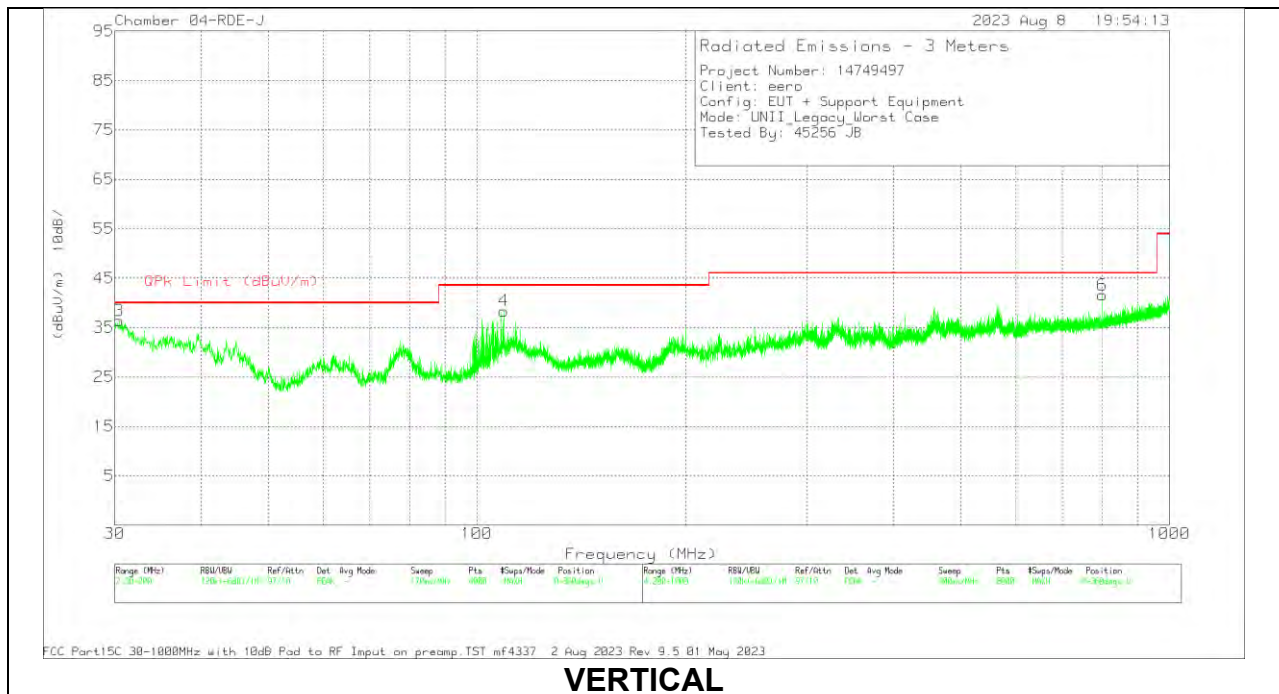
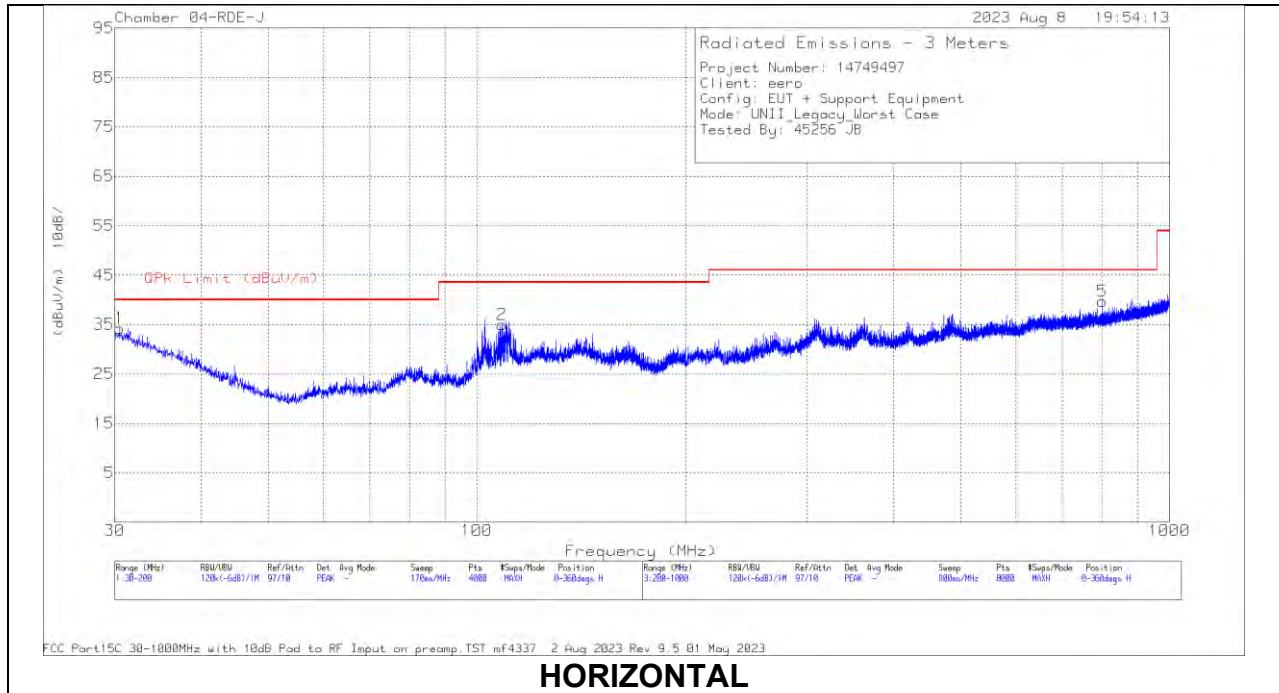
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB) 10m H	Amp/Cbl (dB)	10 dB Pad	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	62.4784	37.16	Pk	13.5	-31.5	10	29.16	40	-10.84	0-360	299	H
2	* 110.029	30.94	Pk	18.5	-31.2	10	28.24	43.52	-15.28	225	208	H
	* 109.722	23.84	Qp	18.5	-31.2	10	21.14	43.52	-22.38	225	208	H
4	64.7359	39.69	Pk	13.7	-31.5	10	31.89	40	-8.11	99	111	V
	64.7248	34.77	Qp	13.7	-31.5	10	26.97	40	-13.03	99	111	V
5	* 127.563	35.37	Pk	20	-31.1	10	34.27	43.52	-9.25	0-360	100	V
3	800.035	37.31	Pk	27	-28.8	10	45.51	46.02	-.51	85	101	H
	800.032	34.87	Qp	27	-28.8	10	43.07	46.02	-2.95	85	101	H
6	800.045	36.6	Pk	27	-28.8	10	44.8	46.02	-1.22	116	184	V
	800.035	33.27	Qp	27	-28.8	10	41.47	46.02	-4.55	116	184	V

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

Pk - Peak detector

Qp - Quasi-Peak detector

**10.4. WORST CASE BELOW 1 GHz (Luxshare PSU)  
 SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)**



**Below 1GHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB) 10m H	Amp/Cbl (dB)	10 dB Pad	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.4676	29.59	Pk	26.4	-31.8	10	34.19	40	-5.81	0-360	199	H
	30.6997	22.25	Qp	26.3	-31.8	10	26.75	40	-13.25	238	217	H
2	* 108.603	37.88	Pk	18.3	-31.2	10	34.98	43.52	-8.54	0-360	299	H
	30.4251	31.8	Pk	26.4	-31.8	10	36.4	40	-3.6	0-360	100	V
3	30.1625	23.88	Qp	26.5	-31.8	10	28.58	40	-11.42	247	260	V
	* 109.411	41.16	Pk	18.4	-31.2	10	38.36	43.52	-5.16	0-360	100	V
4	* 109.312	27.84	Qp	18.4	-31.2	10	25.04	43.52	-18.48	88	117	V
	800.078	31.48	Pk	27	-28.8	10	39.68	46.02	-6.34	0-360	199	H
6	800.078	33.45	Pk	27	-28.8	10	41.65	46.02	-4.37	0-360	99	V
	800.032	33.18	Qp	27	-28.8	10	41.38	46.02	-4.64	315	113	V

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

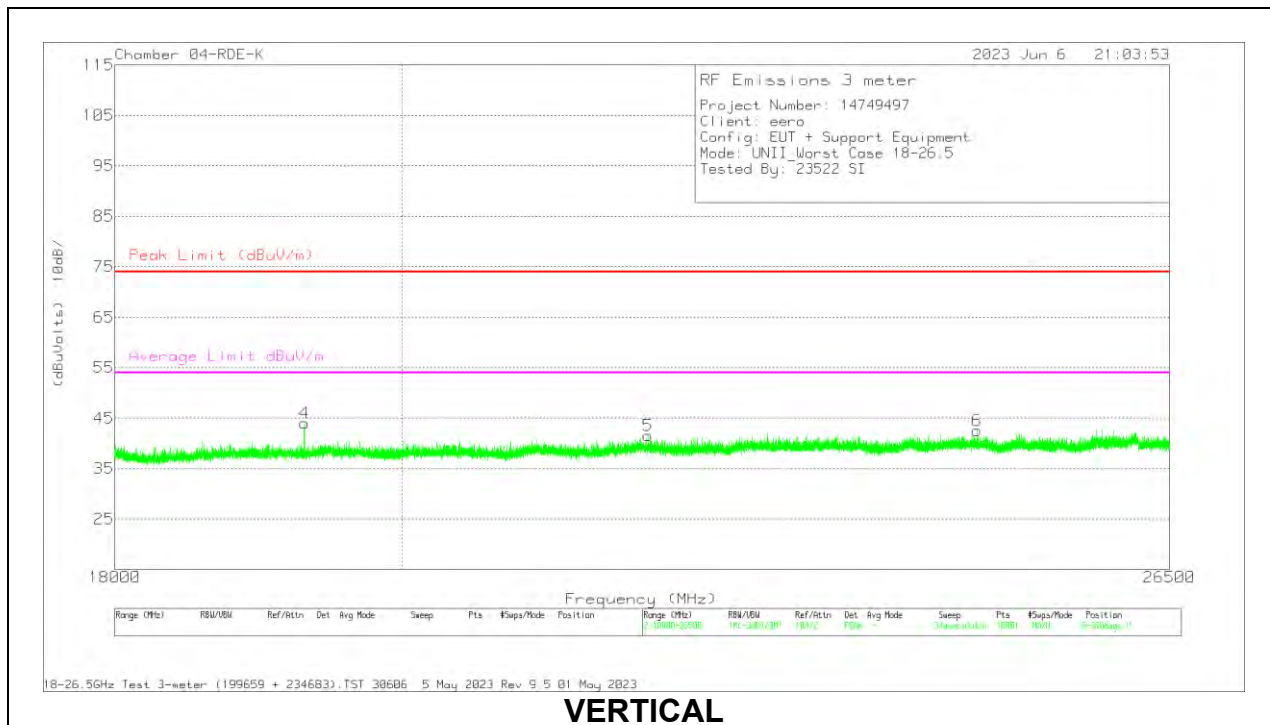
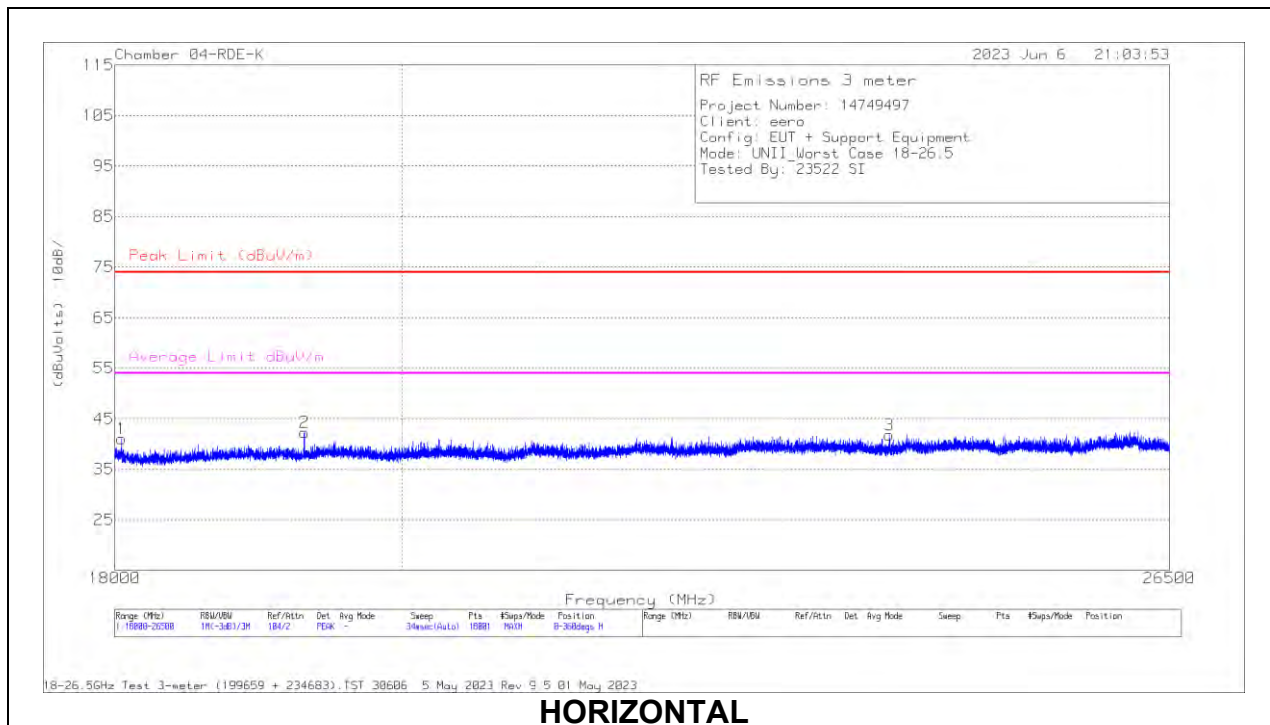
Pk - Peak detector

Qp - Quasi-Peak detector



### 10.5. WORST CASE 18-26 GHz

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





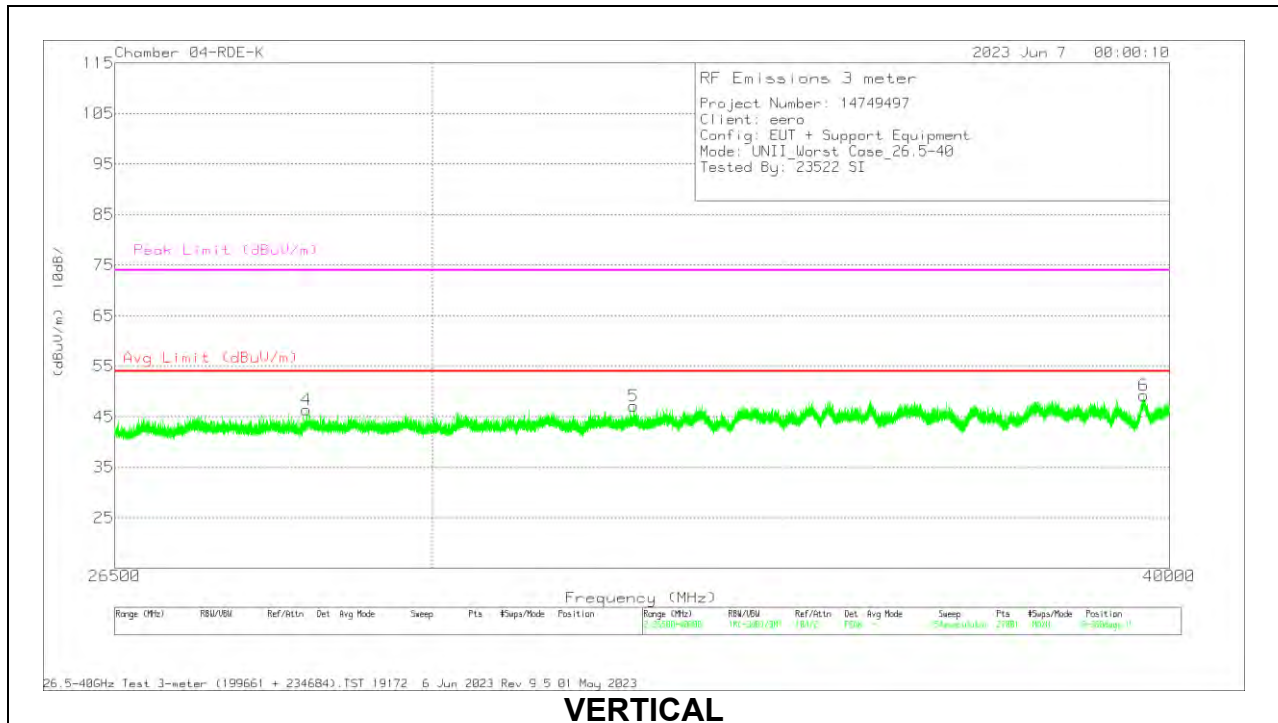
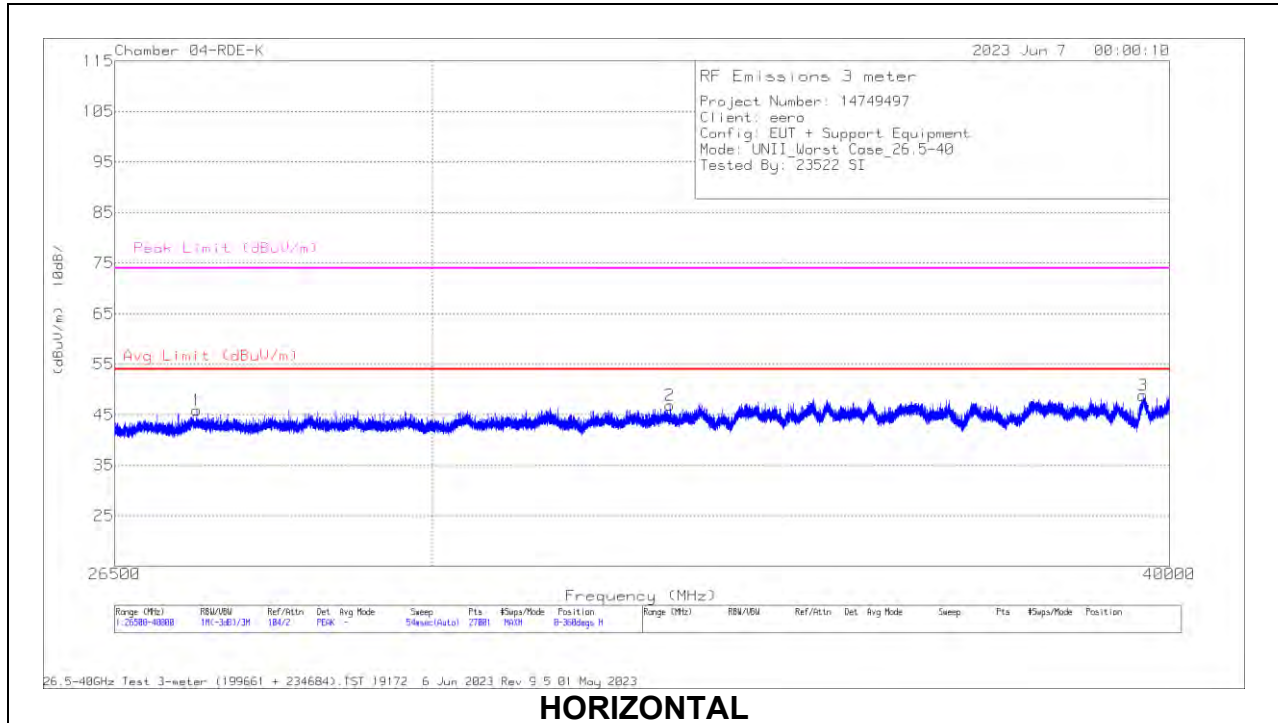
### 18 – 26GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	234683 Amp/Cbl (dB)	Cables (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18045.333	54.73	Pk	32.3	-63.8	17.8	41.03	74	-32.97	-	-	0-360	200	H
2	* 19295.777	54.13	Pk	32.4	-62.7	18.5	42.33	74	-31.67	-	-	0-360	101	H
3	* 23915.053	50.23	Pk	33.7	-62.5	20.4	41.83	74	-32.17	-	-	0-360	200	H
4	* 19295.777	55.84	Pk	32.4	-62.7	18.5	44.04	74	-29.96	-	-	0-360	199	V
5	21887.804	51.3	Pk	33.2	-62.5	19.5	41.5	74	-32.5	-	-	0-360	199	V
6	24697.052	50.13	Pk	33.9	-62.2	20.7	42.53	74	-31.47	-	-	0-360	199	V

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

### 10.6. WORST CASE 26-40 GHz

#### SPURIOUS EMISSIONS 26-40 GHz (WORST-CASE CONFIGURATION)



## 26 – 40GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	234684 Amp/Cbl (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	27362.5	50.77	Pk	35.8	-62.7	22	45.87	-	-	74	-28.13	0-360	101	H
2	32911	45.2	Pk	37	-59.7	24.4	46.9	-	-	74	-27.1	0-360	101	H
3	* 39593	44.9	Pk	38.3	-61.6	27.2	48.8	-	-	74	-25.2	0-360	101	H
4	28562	47.92	Pk	36.1	-60.2	22.5	46.32	-	-	74	-27.68	0-360	200	V
5	32447	45.39	Pk	36.9	-59.3	24.1	47.09	-	-	74	-26.91	0-360	200	V
6	* 39597.5	45.11	Pk	38.3	-61.4	27.2	49.21	-	-	74	-24.79	0-360	101	V

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

## 11. AC POWERLINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB $\mu$ 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

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.

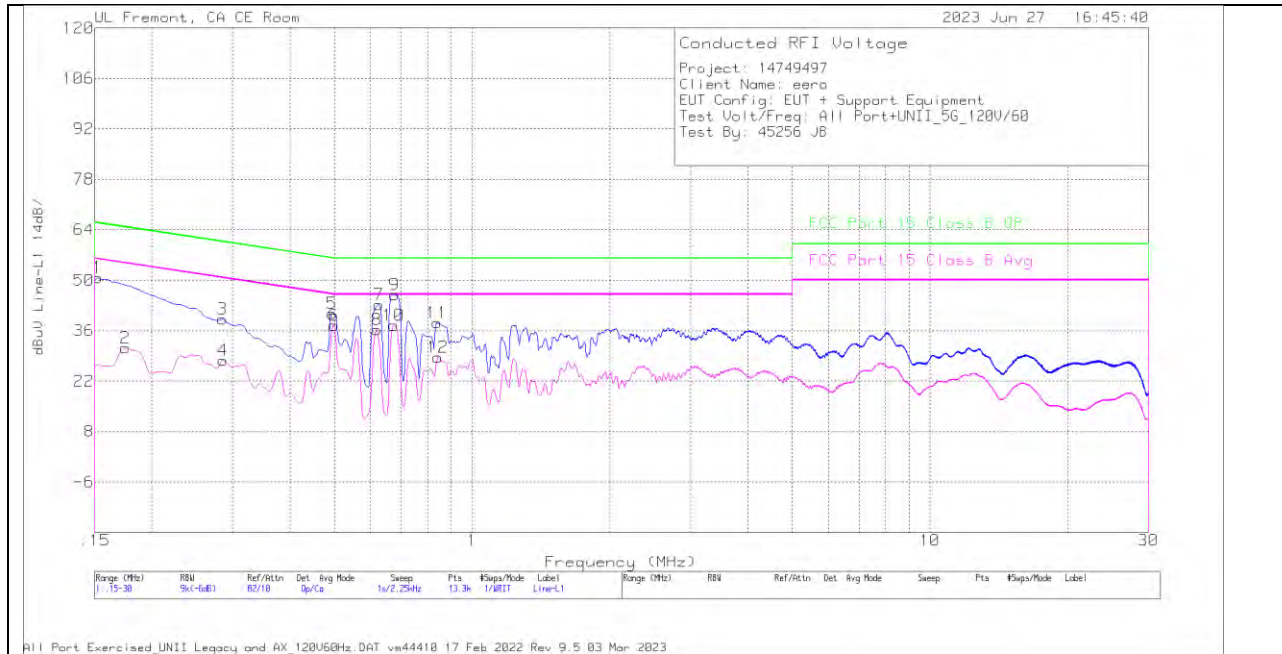
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

### 11.1. AC POWER LINE (Foxlink PSU)

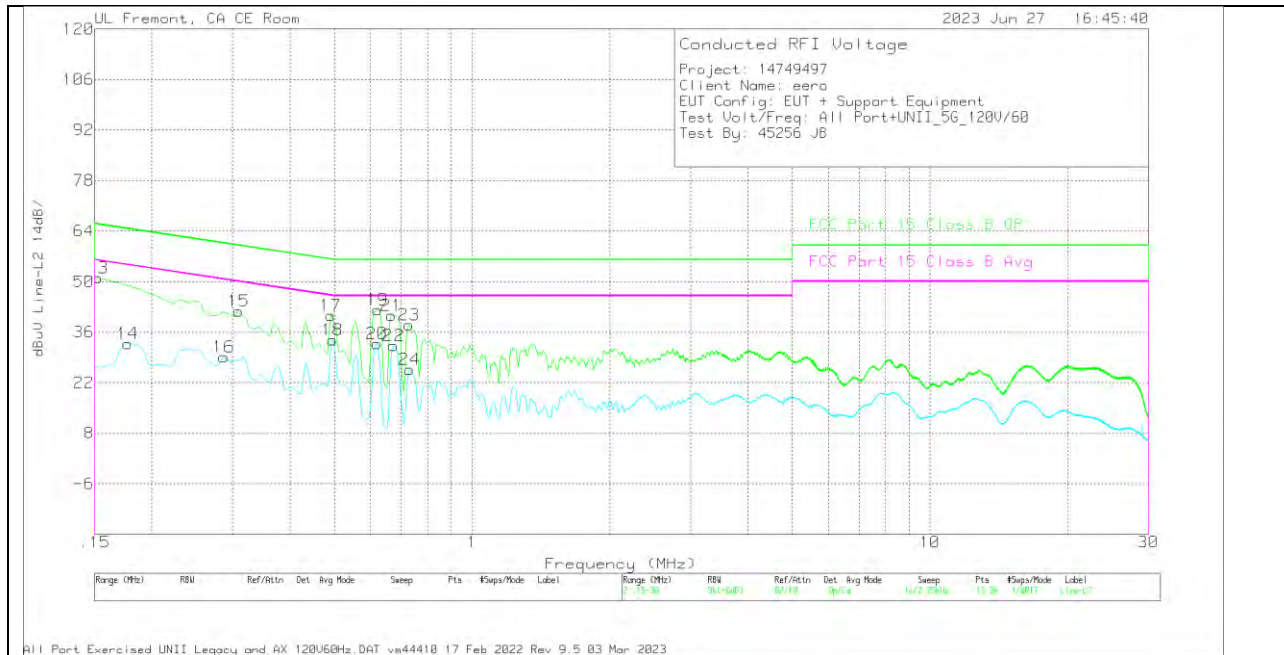
#### LINE 1 RESULTS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L1_LISN.csv	C1&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)
2	.1748	21.76	Ca	0	0	9.4	31.16	-	-	54.73	-23.57
4	.2861	18.49	Ca	0	0	9.3	27.79	-	-	50.64	-22.85
6	.4988	28.16	Ca	0	.1	9.3	37.56	-	-	46.02	-8.46
8	.6203	26.86	Ca	0	.1	9.3	36.26	-	-	46	-9.74
10	.6743	28.13	Ca	0	.1	9.3	37.53	-	-	46	-8.47
12	.843	19.18	Ca	0	.1	9.3	28.58	-	-	46	-17.42
1	.1523	41.38	Qp	0	0	9.4	50.78	65.88	-15.1	-	-
3	.285	29.88	Qp	0	0	9.3	39.18	60.67	-21.49	-	-
5	.4943	31.38	Qp	0	.1	9.3	40.78	56.1	-15.32	-	-
7	.627	33.87	Qp	0	.1	9.3	43.27	56	-12.73	-	-
9	.6765	36.56	Qp	0	.1	9.3	45.96	56	-10.04	-	-
11	.8385	28.85	Qp	0	.1	9.3	38.25	56	-17.75	-	-

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

**LINE 2 RESULTS**



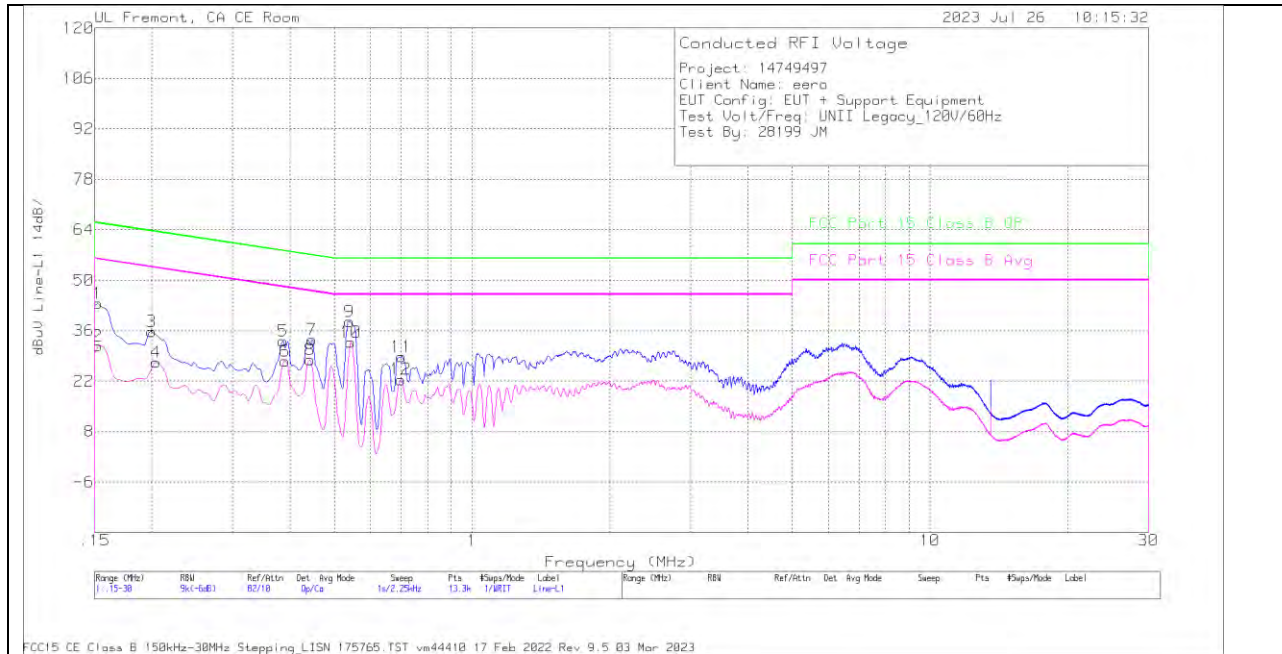
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN	C2&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)
14	.177	23.47	Ca	0	0	9.4	32.87	-	-	54.63	-21.76
16	.2873	19.8	Ca	0	0	9.3	29.1	-	-	50.6	-21.5
18	.4965	24.39	Ca	0	.1	9.3	33.79	-	-	46.06	-12.27
20	.6203	23.38	Ca	0	.1	9.3	32.78	-	-	46	-13.22
22	.6743	22.8	Ca	0	.1	9.3	32.2	-	-	46	-13.8
24	.7305	16.26	Ca	0	.1	9.3	25.66	-	-	46	-20.34
13	.1523	41.7	Qp	0	0	9.4	51.1	65.88	-14.78	-	-
15	.3098	32.57	Qp	0	0	9.3	41.87	59.98	-18.11	-	-
17	.492	31.14	Qp	0	.1	9.3	40.54	56.13	-15.59	-	-
19	.6225	32.83	Qp	0	.1	9.3	42.23	56	-13.77	-	-
21	.6675	31.19	Qp	0	.1	9.3	40.59	56	-15.41	-	-
23	.7283	28.57	Qp	0	.1	9.3	37.97	56	-18.03	-	-

Qp - Quasi-Peak detector  
 Ca - CISPR average detection



## 11.2. AC POWER LINE (Luxshare PSU)

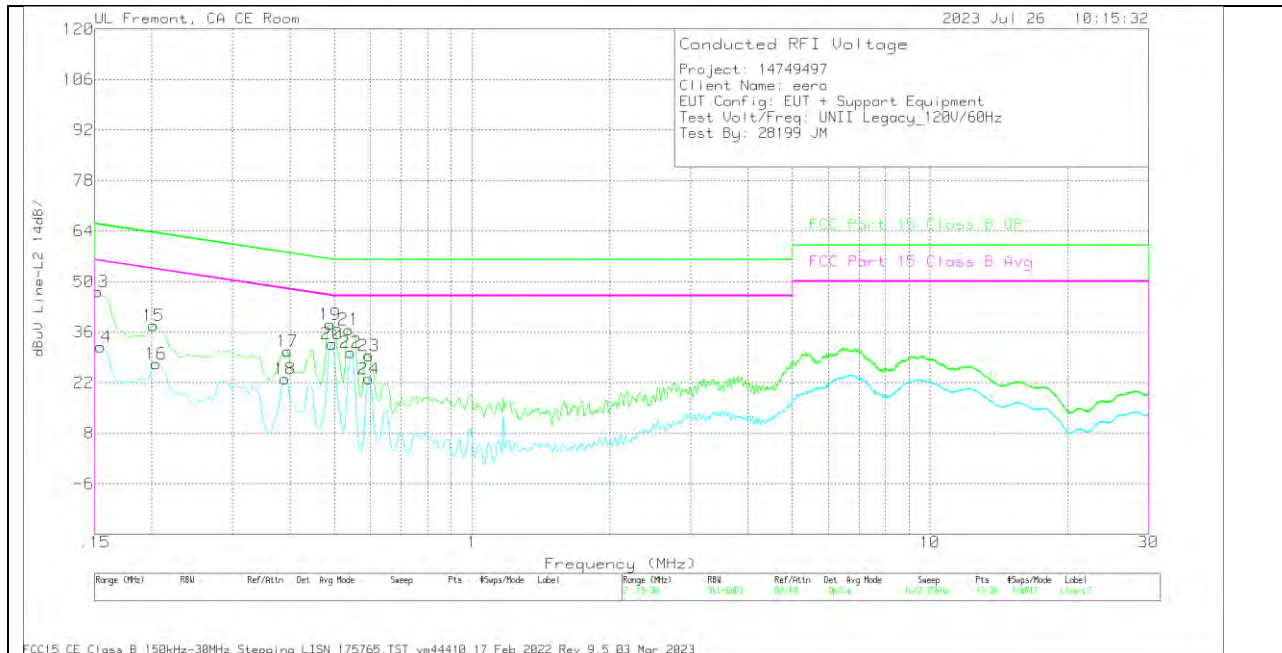
### LINE 1 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN	C2&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)
2	.1523	22.38	Ca	0	0	9.4	31.78	-	-	55.88	-24.1
4	.204	17.75	Ca	0	0	9.4	27.15	-	-	53.45	-26.3
6	.3908	18.1	Ca	0	.1	9.3	27.5	-	-	48.05	-20.55
8	.4425	18.54	Ca	0	.1	9.3	27.94	-	-	47.01	-19.07
10	.5438	23.38	Ca	0	.1	9.3	32.78	-	-	46	-13.22
12	.699	13.05	Ca	0	.1	9.3	22.45	-	-	46	-23.55
1	.1523	34.2	Qp	0	0	9.4	43.6	65.88	-22.28	-	-
3	.1995	26.36	Qp	0	0	9.4	35.76	63.63	-27.87	-	-
5	.3863	23.69	Qp	0	.1	9.3	33.09	58.14	-25.05	-	-
7	.447	24.01	Qp	0	.1	9.3	33.41	56.93	-23.52	-	-
9	.5393	29.16	Qp	0	.1	9.3	38.56	56	-17.44	-	-
11	.7013	19.37	Qp	0	.1	9.3	28.77	56	-27.23	-	-

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

**LINE 2 RESULTS**



Range 2: Line-L2 15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN	C2&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Aw(CISPR)M argin (dB)
14	.1545	22.57	Ca	0	0	9.4	31.97	-	-	55.75	14
16	.204	17.89	Ca	0	0	9.4	27.29	-	-	53.45	16
18	.3908	13.62	Ca	0	.1	9.3	23.02	-	-	48.05	18
20	.4943	23.31	Ca	0	.1	9.3	32.71	-	-	46.1	20
22	.5438	20.99	Ca	0	.1	9.3	30.39	-	-	46	22
24	.5955	13.71	Ca	0	.1	9.3	23.11	-	-	46	24
13	.1523	37.74	Qp	0	0	9.4	47.14	65.88	-18.74	-	13
15	.2018	28.39	Qp	0	0	9.4	37.79	63.54	-25.75	-	15
17	.3953	21.25	Qp	0	.1	9.3	30.65	57.95	-27.3	-	17
19	.4898	28.78	Qp	0	.1	9.3	38.18	56.17	-17.99	-	19
21	.5381	27.3	Qp	0	.1	9.3	36.7	56	-19.3	-	21
23	.5955	20.11	Qp	0	.1	9.3	29.51	56	-26.49	-	23

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

## 12. SETUP PHOTOS

Please refer to 14749497-EP1 for setup photo.

**END OF TEST REPORT**