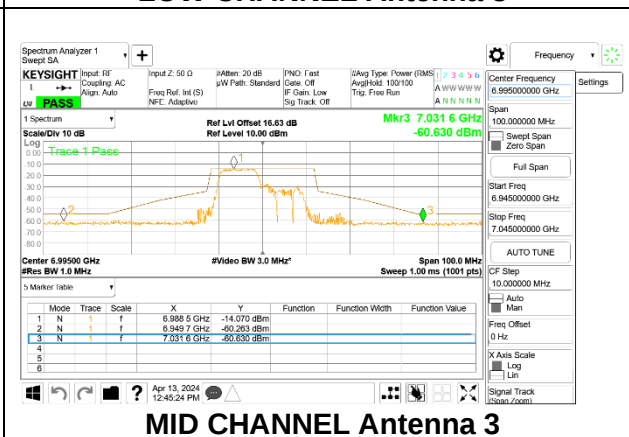
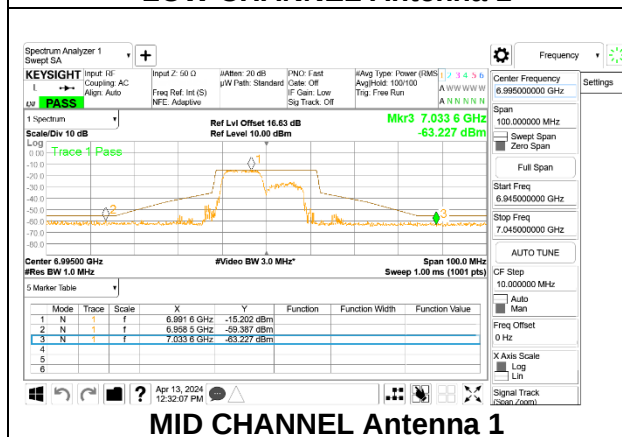
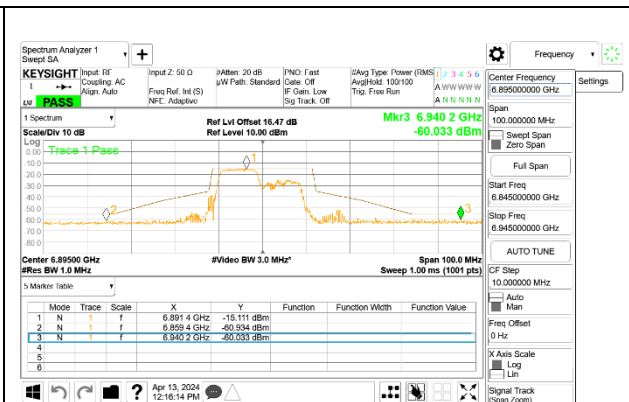
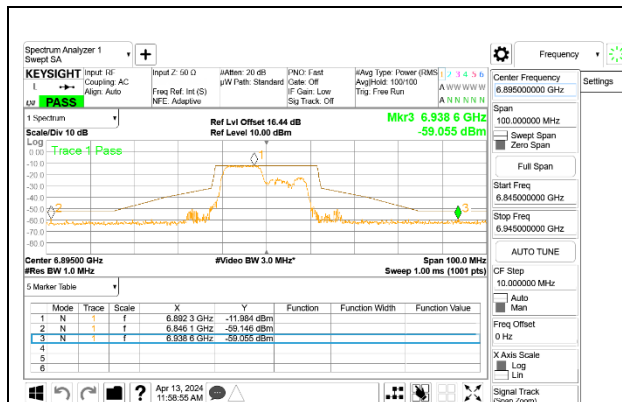


9.5.10. 802.11ax HE20 MODE 2TX IN THE UNII-8 BAND

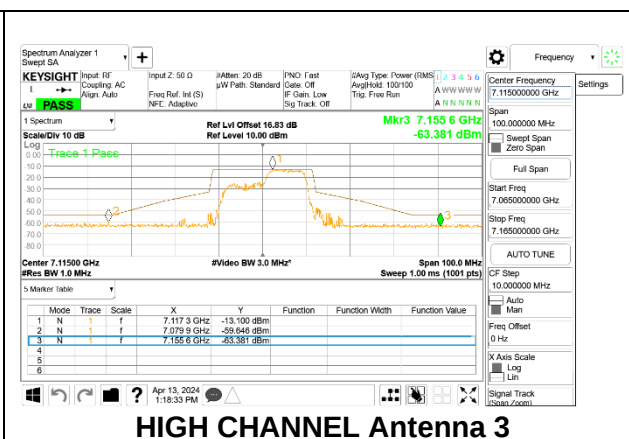
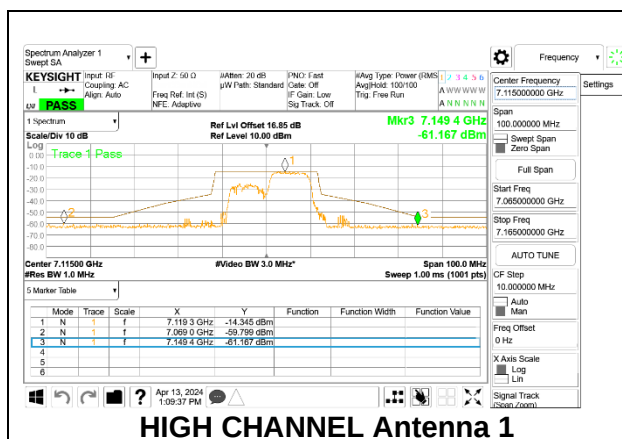
2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User



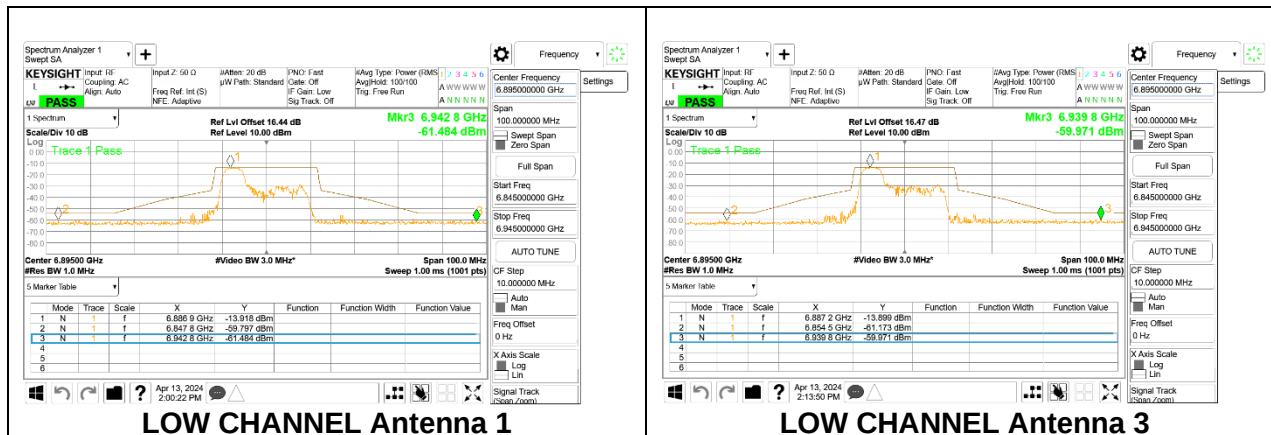
2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 106-Tones, RU Index 53



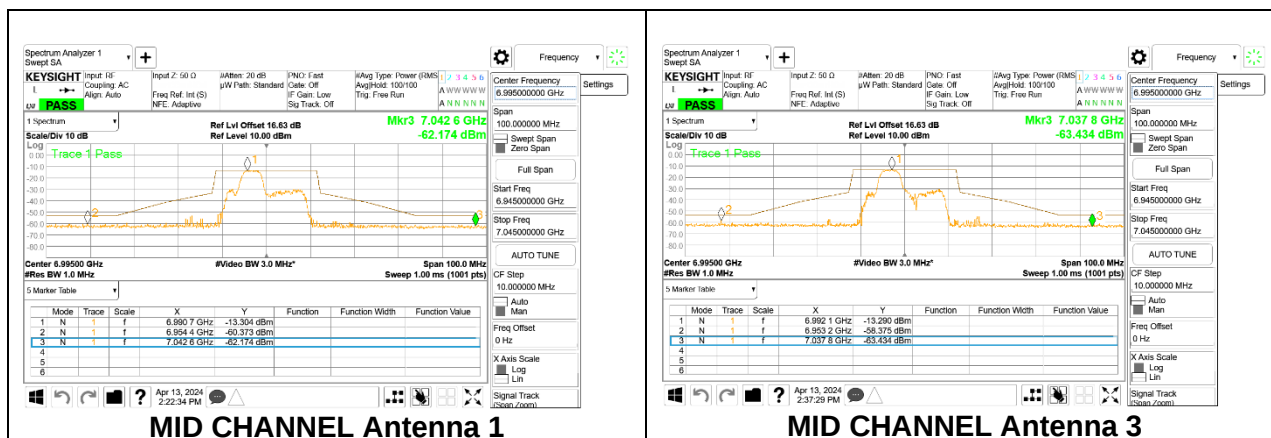
2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 106-Tones, RU Index 54



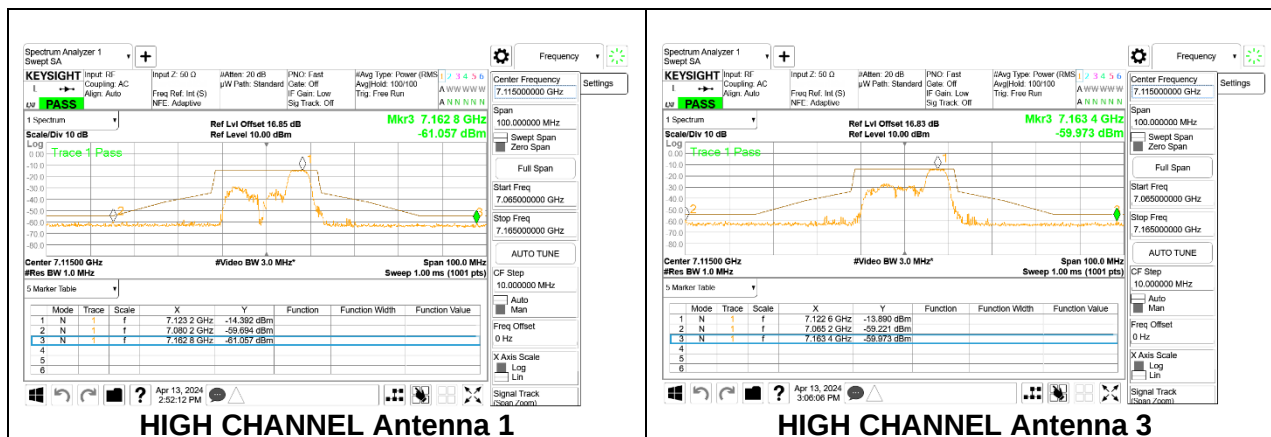
2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 52-Tones, RU Index 37



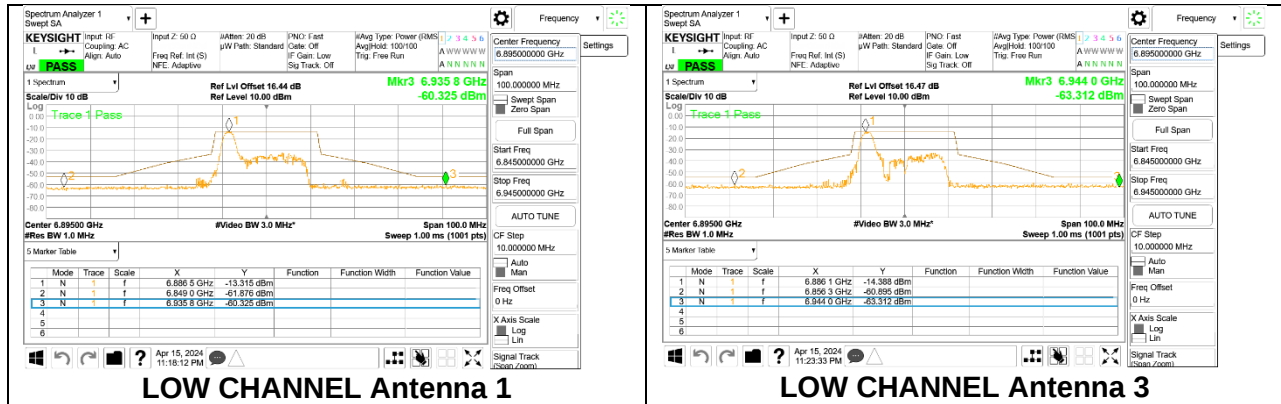
2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 52-Tones, RU Index 38



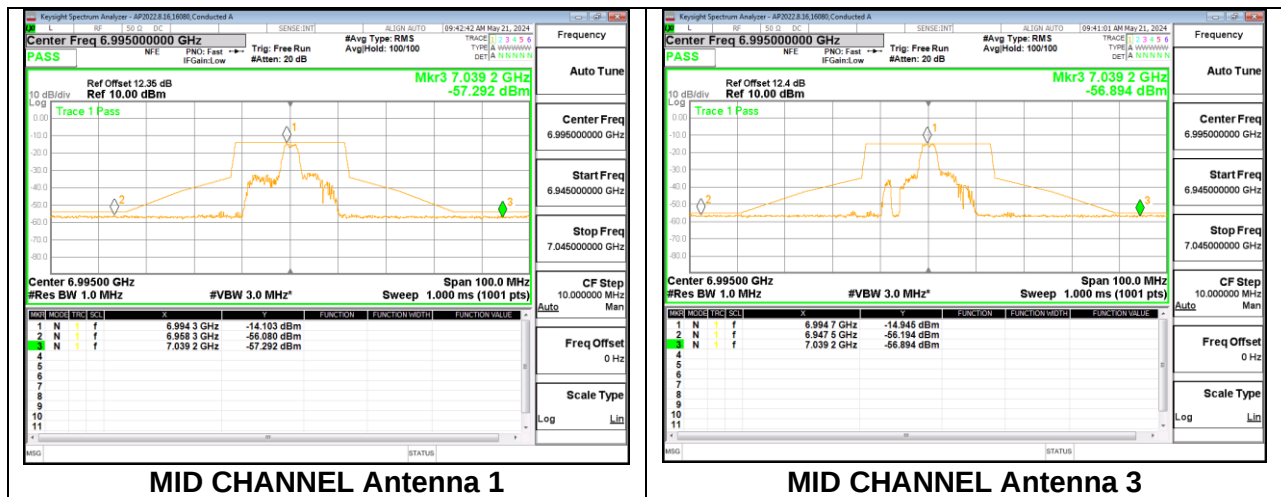
2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 52-Tones, RU Index 40



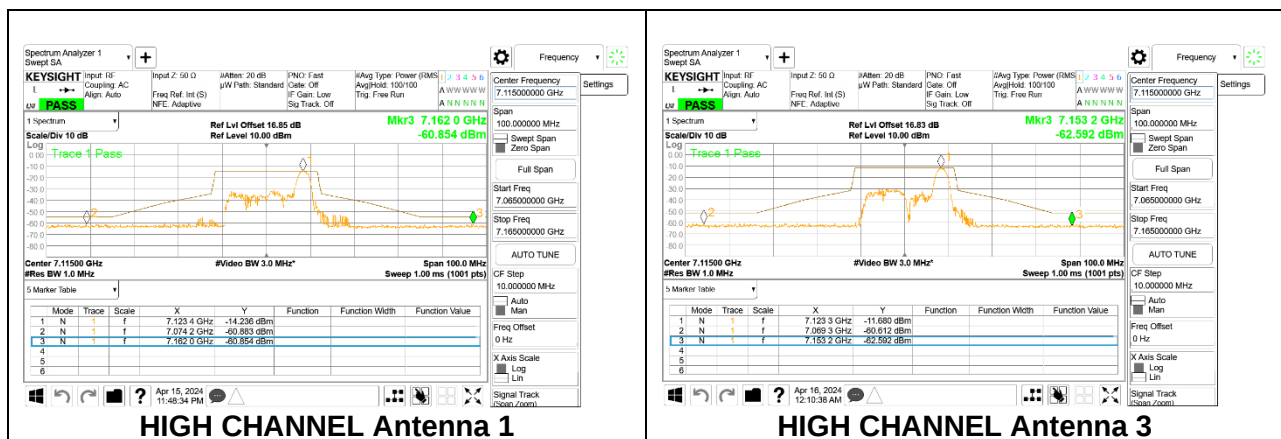
2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 26-Tones, RU Index 0



2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 26-Tones, RU Index 4



2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 26-Tones, RU Index 8



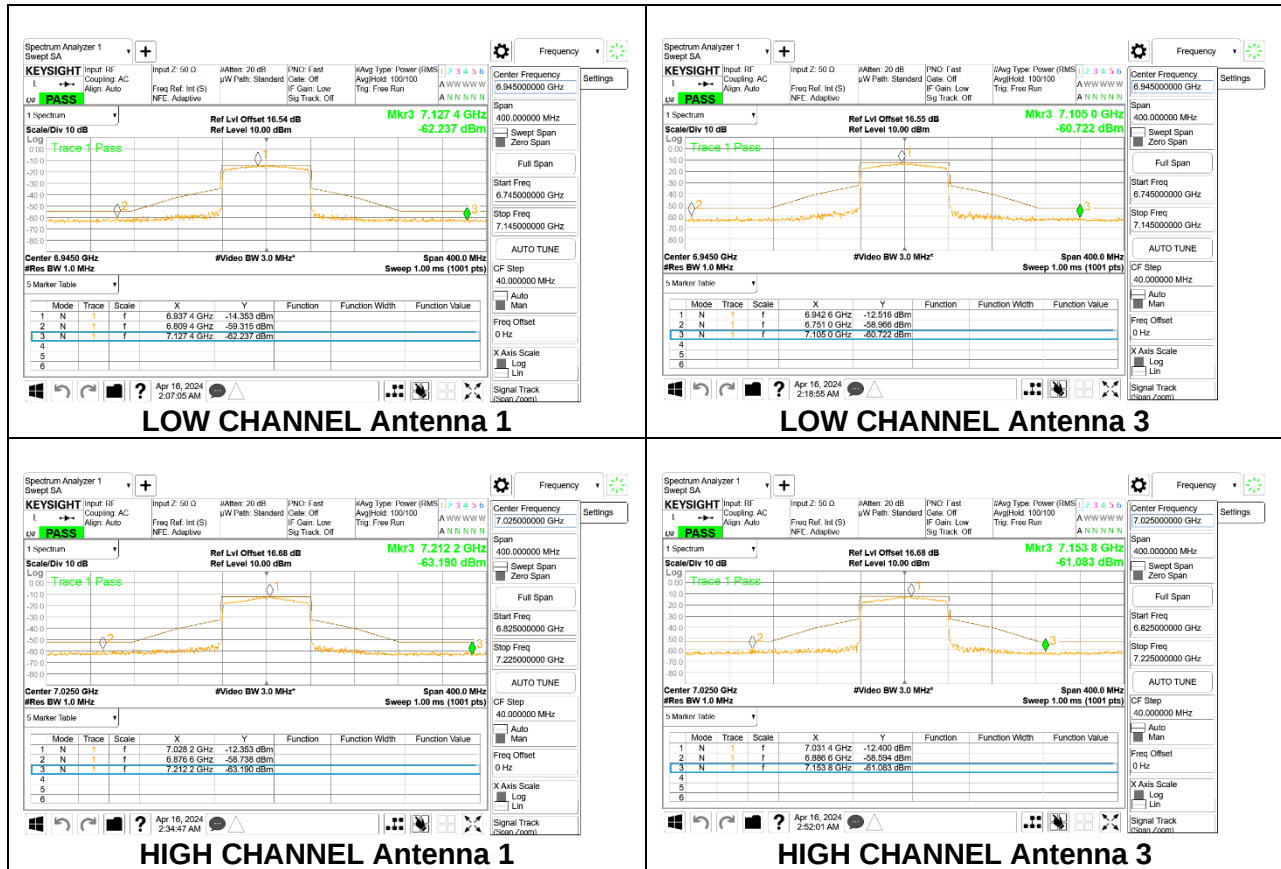
9.5.11. 802.11ax HE40 MODE 2TX IN THE UNII-8 BAND

2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User



9.5.12. 802.11ax HE80 MODE 2TX IN THE UNII-8 BAND

2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User



10. RADIATED TEST RESULTS FOR 11ax

LIMITS

FCC §15.35(b)
FCC §15.205 Restrict bands
§15.209 and FCC §15.407(b)(6) -Un-Restrict bands

RSS 248 Issue 2 section 4.6.2a

Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27dBm/MHz rms and -7dBm/MHz Peak.

General field strength limits at frequencies above 30 MHz;

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

TEST PROCEDURE

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

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 6 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only. Blue color trace on plots: Parallel orientation. Green color trace on plots: Perpendicular orientation.

Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

NOTE: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

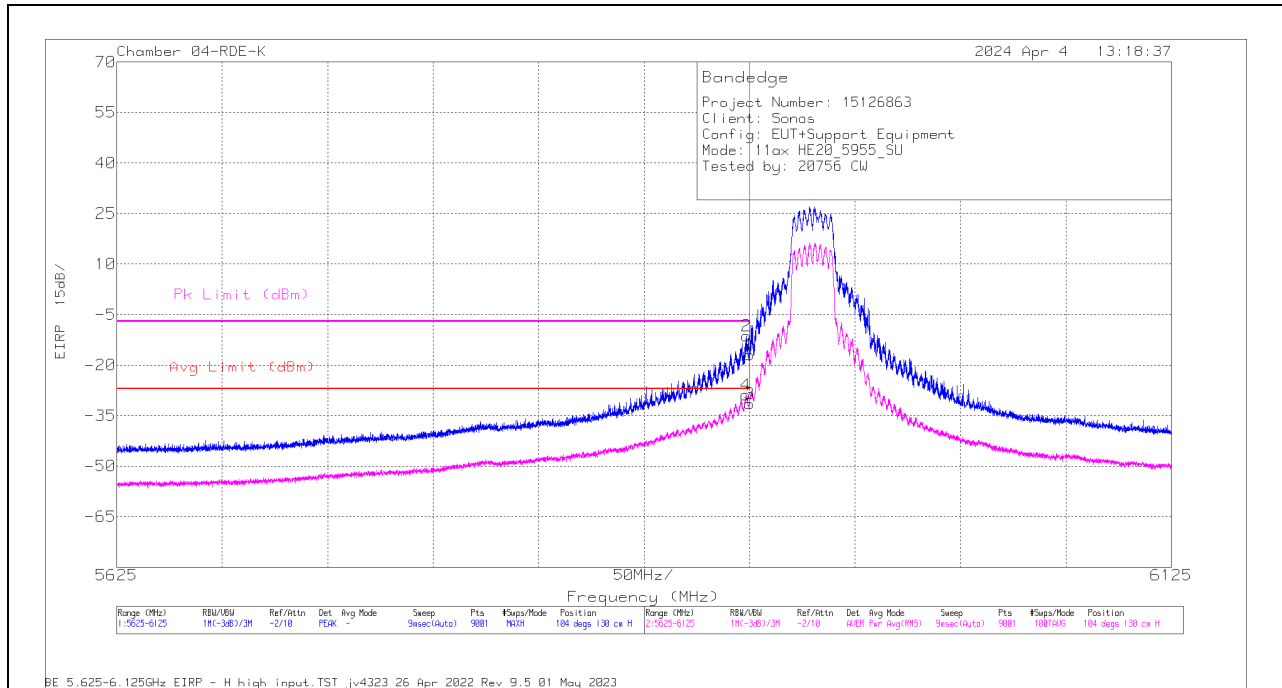
10.1. TRANSMITTER OUTSIDE 5.925-7.125 GHz, 1- 18GHz

10.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-5 BAND

2TX Antenna 2 + Antenna 4 OFDMA MODE: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



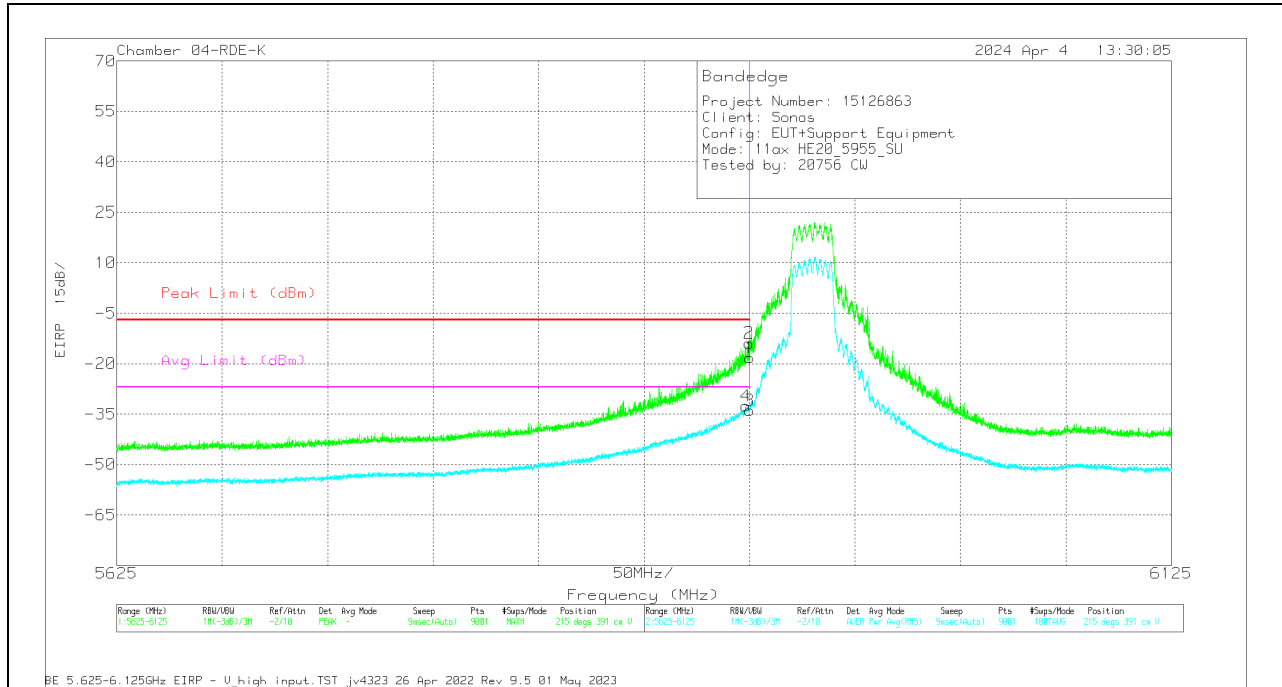
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Pk Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5923.28	-59.55	RMS	35.1	-16.9	11.8	.74	-28.81	-27	-1.81	-	-	104	130	H
2	5923.614	-41.39	Pk	35.1	-16.9	11.8	0	-11.39	-	-	-7	-4.39	104	130	H
1	5925	-46.85	Pk	35.1	-16.9	11.8	0	-16.85	-	-	-7	-9.85	104	130	H
3	5925	-62.21	RMS	35.1	-16.9	11.8	.74	-31.47	-27	-4.47	-	-	104	130	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5923.336	-63.33	RMS	35.1	-16.9	11.8	.74	-32.59	-	-	-27	-5.59	215	391	V
2	5924.836	-43.85	PK	35.1	-16.9	11.8	0	-13.85	-7	-6.85	-	-	215	391	V
1	5925	-48.25	PK	35.1	-16.9	11.8	0	-18.25	-7	-11.25	-	-	215	391	V
3	5925	-64.55	RMS	35.1	-16.9	11.8	.74	-33.81	-	-	-27	-6.81	215	391	V

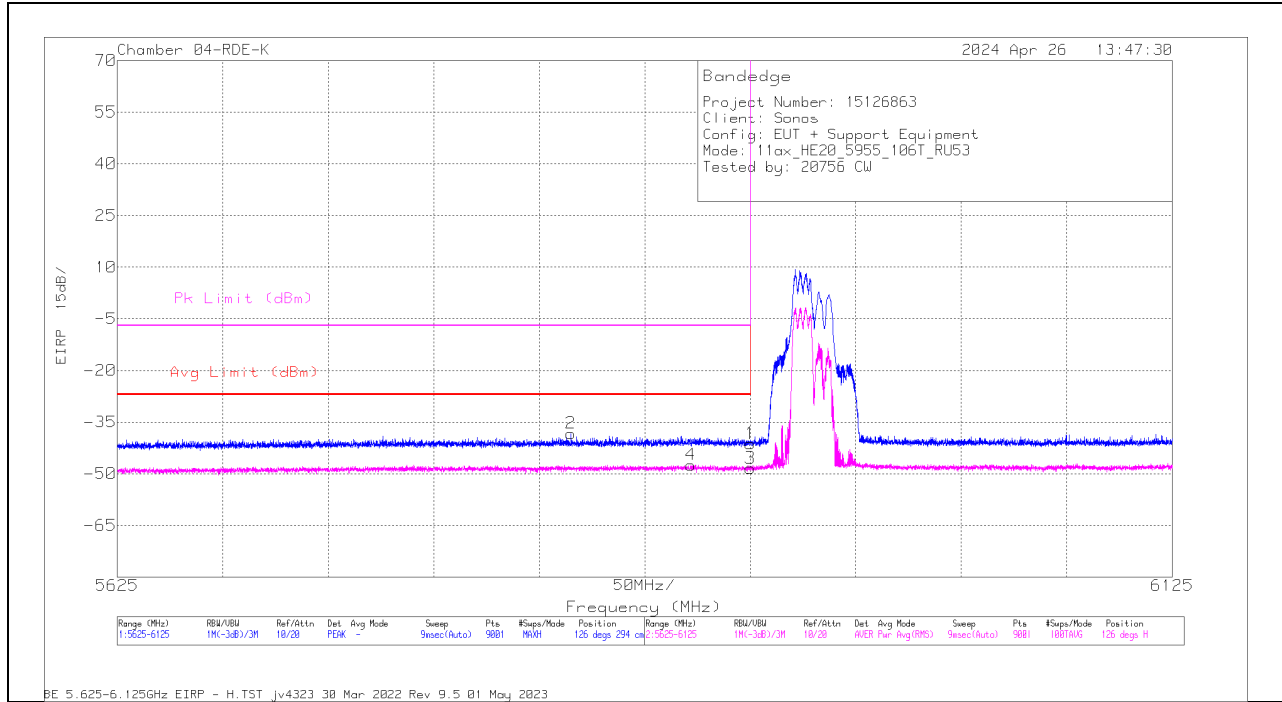
PK - Peak detector

RMS - RMS detection

2TX Antenna 2 + Antenna 4 OFDMA MODE: 106-Tones, RU Index 53

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



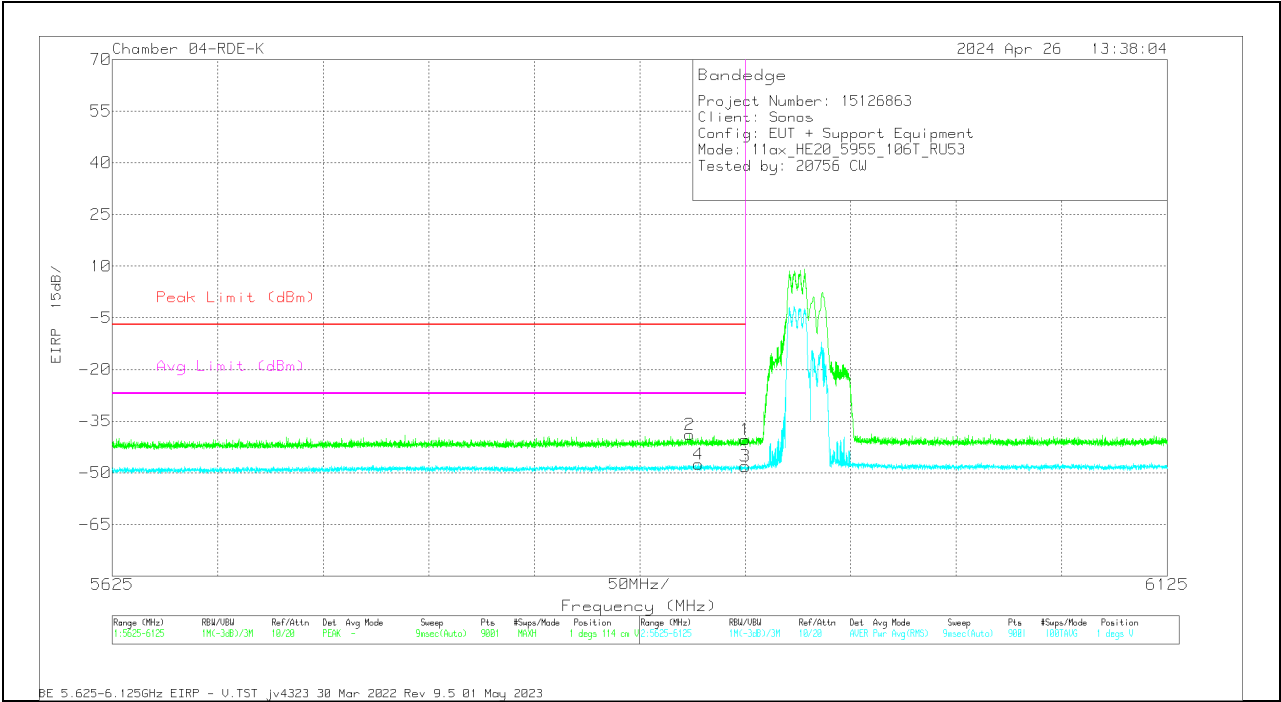
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Pk Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5840.057	-54.78	Pk	35.1	-30.4	11.8	0	-38.28	-	-	-7	-31.28	126	294	H
4	5896.947	-67.89	RMS	35.2	-30.3	11.8	3.77	-47.42	-27	-20.42	-	-	126	294	H
1	5925	-57.84	Pk	35.1	-30.3	11.8	0	-41.24	-	-	-7	-34.24	126	294	H
3	5925	-68.75	RMS	35.1	-30.3	11.8	3.77	-48.38	-27	-21.38	-	-	126	294	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

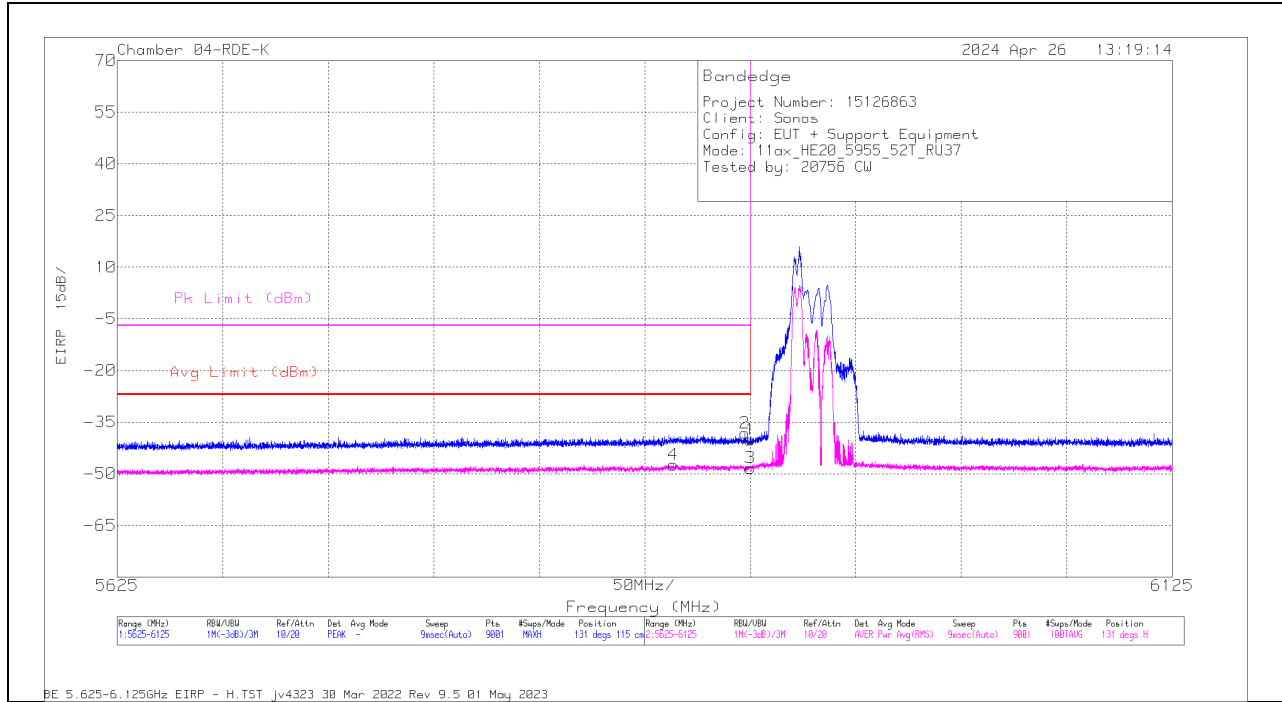
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5898.724	-55.54	PK	35.2	-30.4	11.8	0	-38.94	-7	-31.94	-	-	1	114	V
4	5902.724	-67.99	RMS	35.2	-30.3	11.8	3.77	-47.52	-	-	-27	-20.52	1	114	V
1	5925	-57.02	PK	35.1	-30.3	11.8	0	-40.42	-7	-33.42	-	-	1	114	V
3	5925	-68.5	RMS	35.1	-30.3	11.8	3.77	-48.13	-	-	-27	-21.13	1	114	V

Pk - Peak detector
RMS - RMS detection

2TX Antenna 2 + Antenna 4 OFDMA MODE: 52-Tones, RU Index 37

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



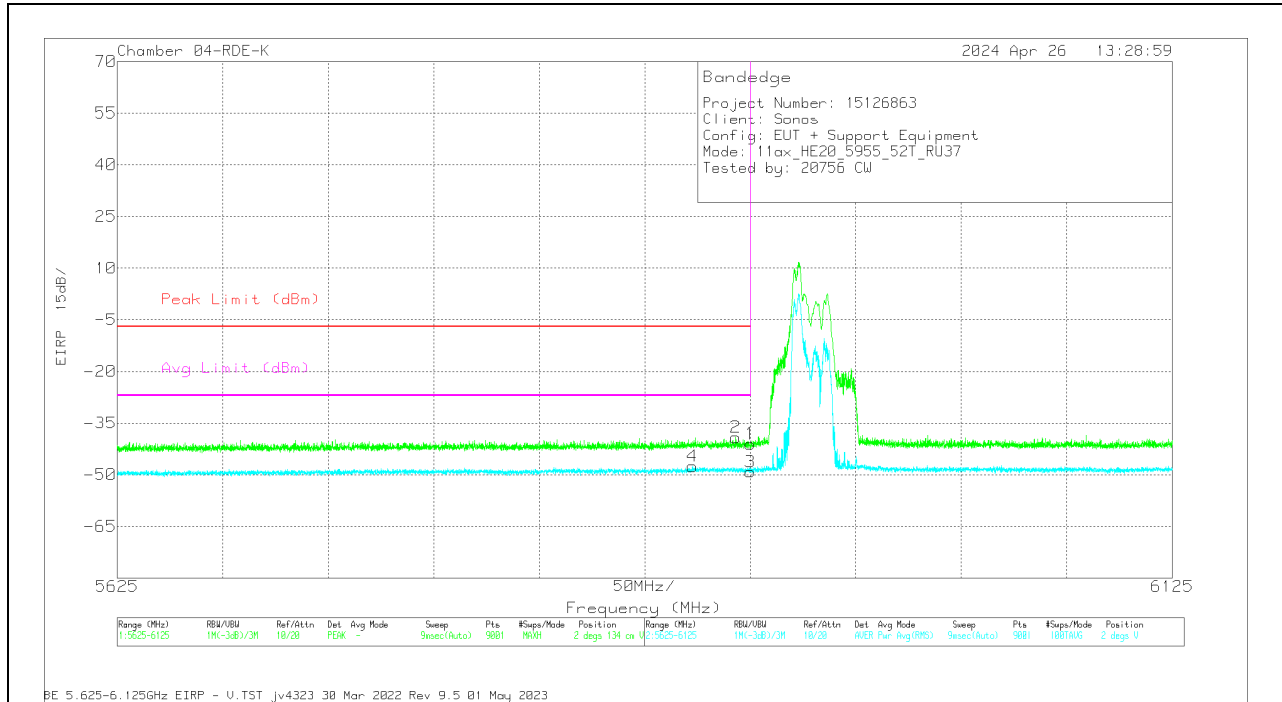
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Pk Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5888.613	-67.35	RMS	35.1	-30.4	11.8	3.46	-47.39	-27	-20.39	-	-	131	115	H
2	5922.502	-54.72	Pk	35	-30.3	11.8	0	-38.22	-	-	-7	-31.22	131	115	H
1	5925	-56.68	Pk	35.1	-30.3	11.8	0	-40.08	-	-	-7	-33.08	131	115	H
3	5925	-68.38	RMS	35.1	-30.3	11.8	3.46	-48.32	-27	-21.32	-	-	131	115	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5897.613	-67.62	RMS	35.2	-30.4	11.8	3.46	-47.56	-	-	-27	-20.56	2	134	V
2	5918.113	-55.66	PK	35	-30.3	11.8	0	-39.16	-7	-32.16	-	-	2	134	V
1	5925	-57.67	PK	35.1	-30.3	11.8	0	-41.07	-7	-34.07	-	-	2	134	V
3	5925	-69.21	RMS	35.1	-30.3	11.8	3.46	-49.15	-	-	-27	-22.15	2	134	V

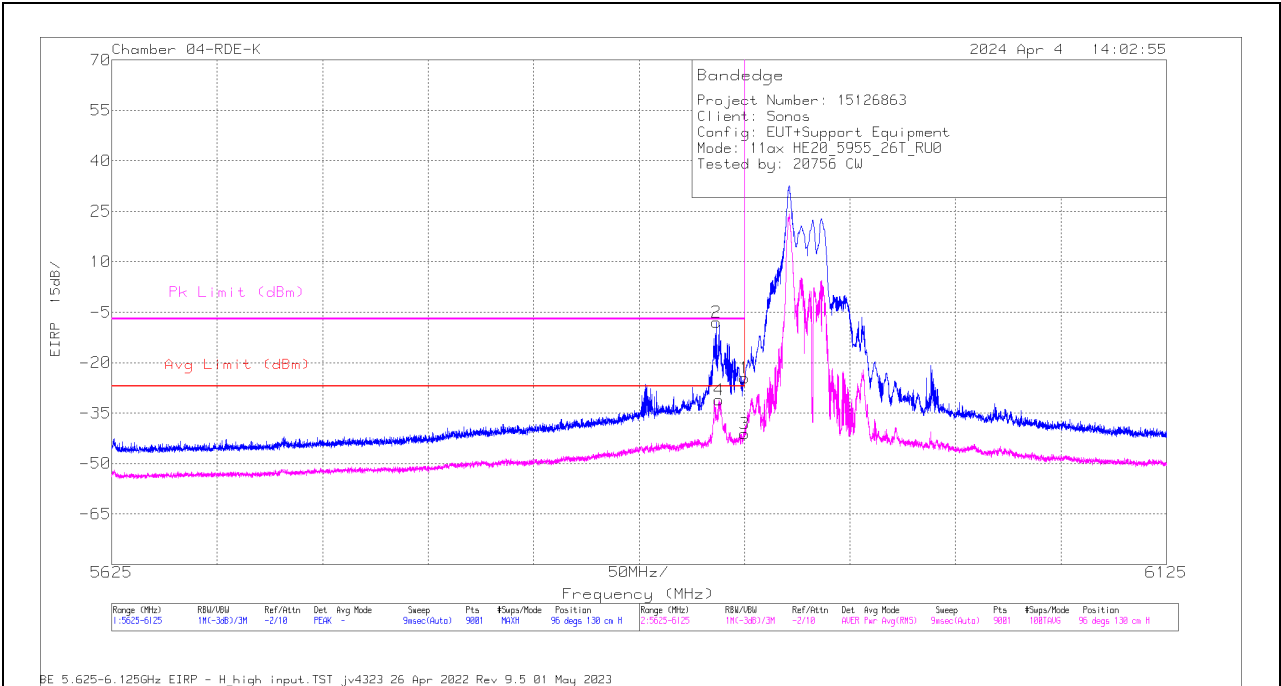
Pk - Peak detector

RMS - RMS detection

2TX Antenna 2 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 0

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

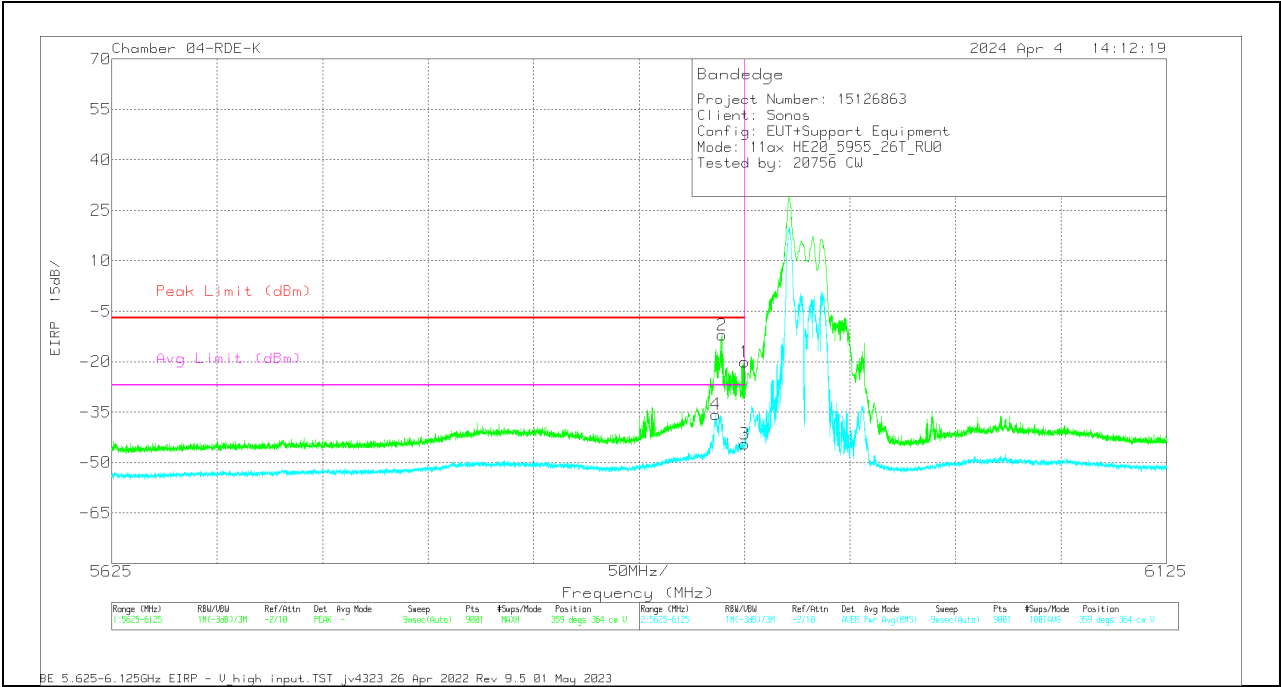


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Pk Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5911.669	-37.9	Pk	35.1	-17	11.8	0	-8	-	-	-7	-1	96	130	H
4	5912.947	-63.98	RMS	35	-17	11.8	3.03	-31.15	-27	-4.15	-	-	96	130	H
1	5925	-54.55	Pk	35.1	-16.9	11.8	0	-24.55	-	-	-7	-17.55	96	130	H
3	5925	-74.16	RMS	35.1	-16.9	11.8	3.03	-41.13	-27	-14.13	-	-	96	130	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



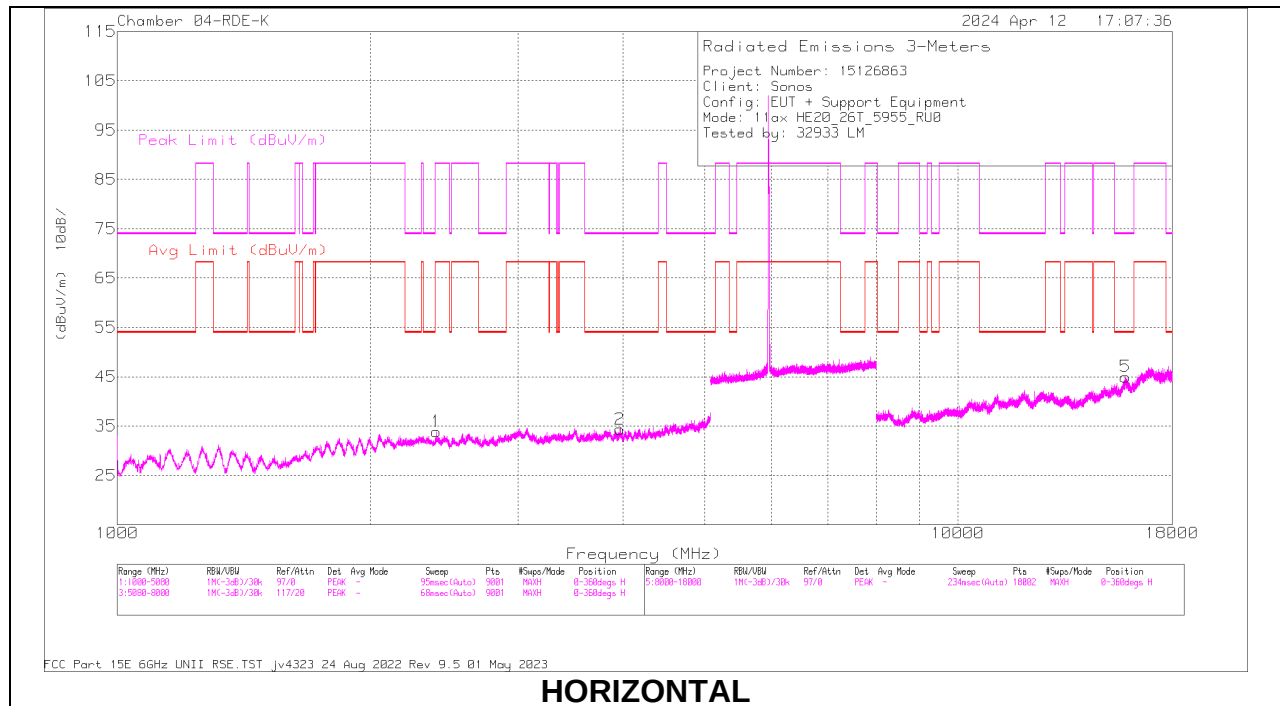
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5911.391	-68.57	RMS	35.1	-17	11.8	3.03	-35.64	-	-	-27	-8.64	359	364	V
2	5914.447	-41.89	PK	35	-17	11.8	0	-12.09	-7	-5.09	-	-	359	364	V
1	5925	-50.08	PK	35.1	-16.9	11.8	0	-20.08	-7	-13.08	-	-	359	364	V
3	5925	-77.54	RMS	35.1	-16.9	11.8	3.03	-44.51	-	-	-27	-17.51	359	364	V

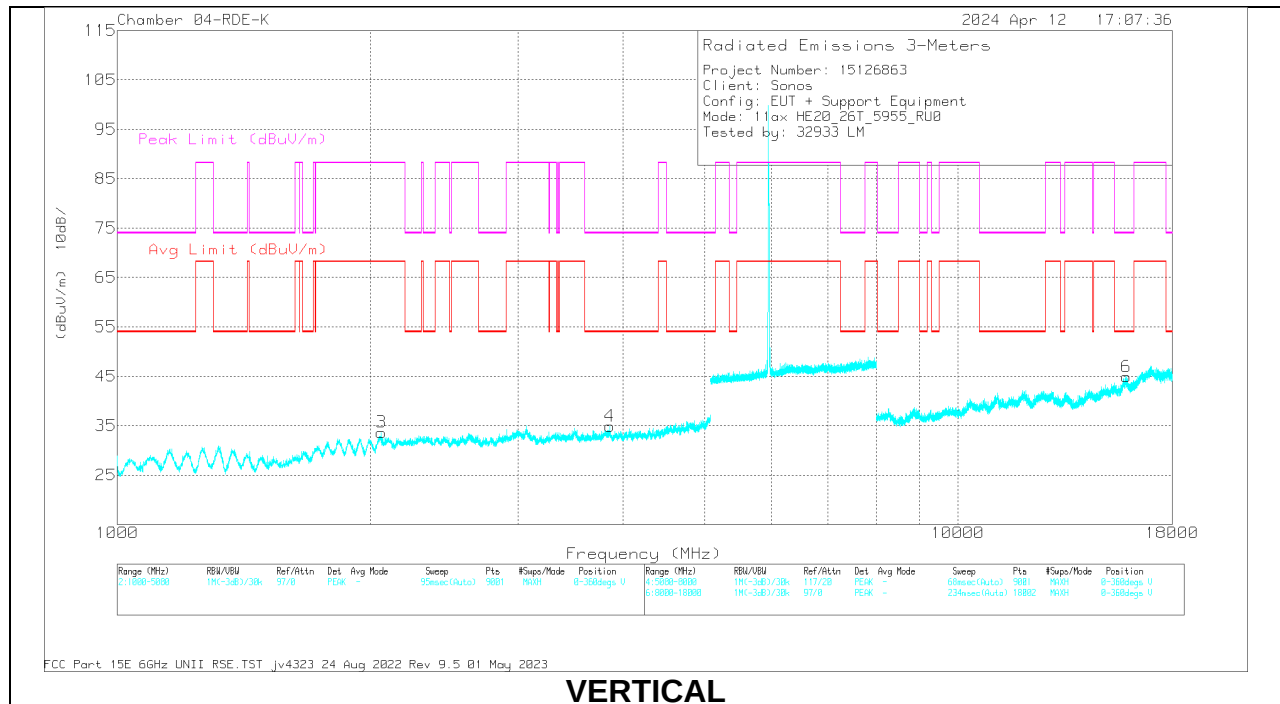
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(d B/m) - 3mH	Amp(ICbl)/Ftr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2396.765	64.26	PK-U	32.3	-45.1	0	51.46	-	-	88.2	-36.74	188	286	H
	2397.728	43.57	ADR	32.4	-45	3.03	34	68.2	-34.2	-	-	188	286	H
2	* 3960.637	52.59	PK-U	33.7	-42.2	0	44.09	-	-	74	-29.91	295	356	H
	* 3961.776	40.46	ADR	33.7	-42.2	3.03	34.99	54	-19.01	-	-	295	356	H
3	2058.328	56.75	PK-U	32.1	-46.1	0	42.75	-	-	88.2	-45.45	20	232	V
	2059.249	45	ADR	32.1	-46.1	3.03	34.03	68.2	-34.17	-	-	20	232	V
4	* 3854.803	52.73	PK-U	33.8	-42.1	0	44.43	-	-	74	-29.57	253	338	V
	* 3855.3	40.38	ADR	33.8	-42.1	3.03	35.11	54	-18.89	-	-	253	338	V
5	* 15833.372	47.21	PK-U	40.9	-33.8	0	54.31	-	-	74	-19.69	20	361	H
	* 15832.995	35.49	ADR	40.9	-33.8	3.03	45.62	54	-8.38	-	-	20	361	H
6	* 15866.811	47.96	PK-U	41	-34.2	0	54.76	-	-	74	-19.24	290	391	V
	* 15865.141	35.2	ADR	40.9	-34.1	3.03	45.03	54	-8.97	-	-	290	391	V

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

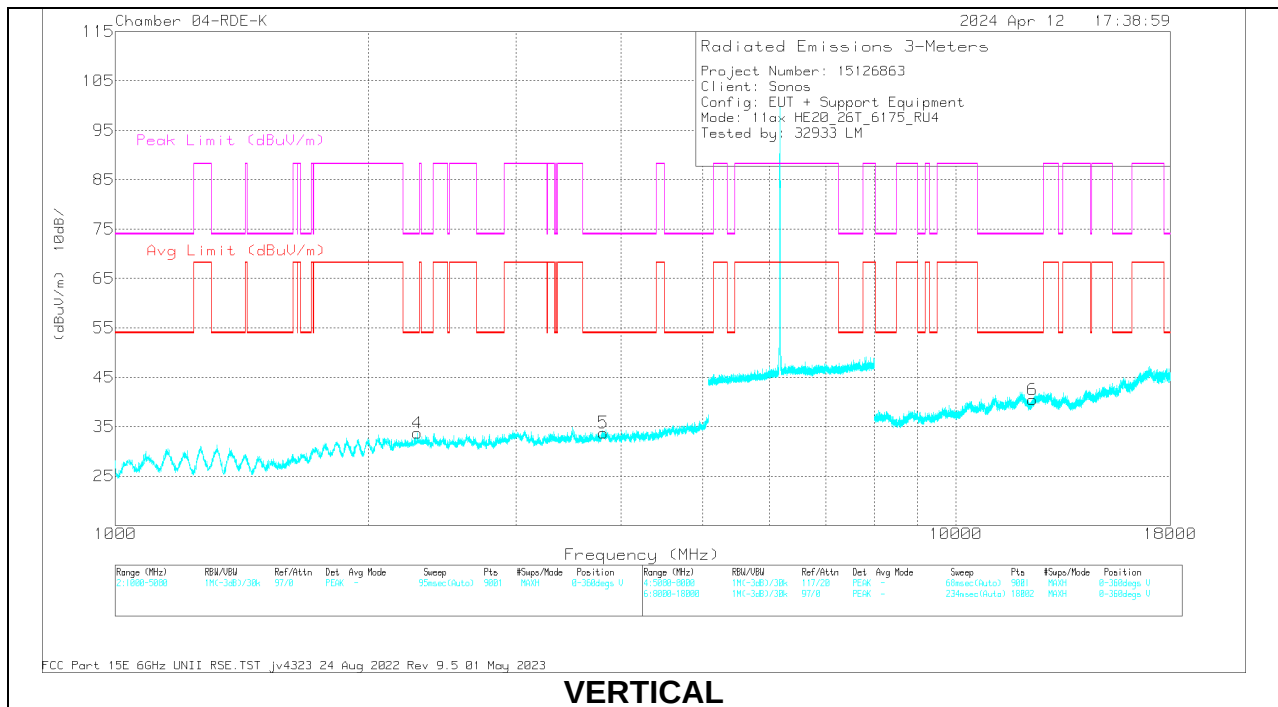
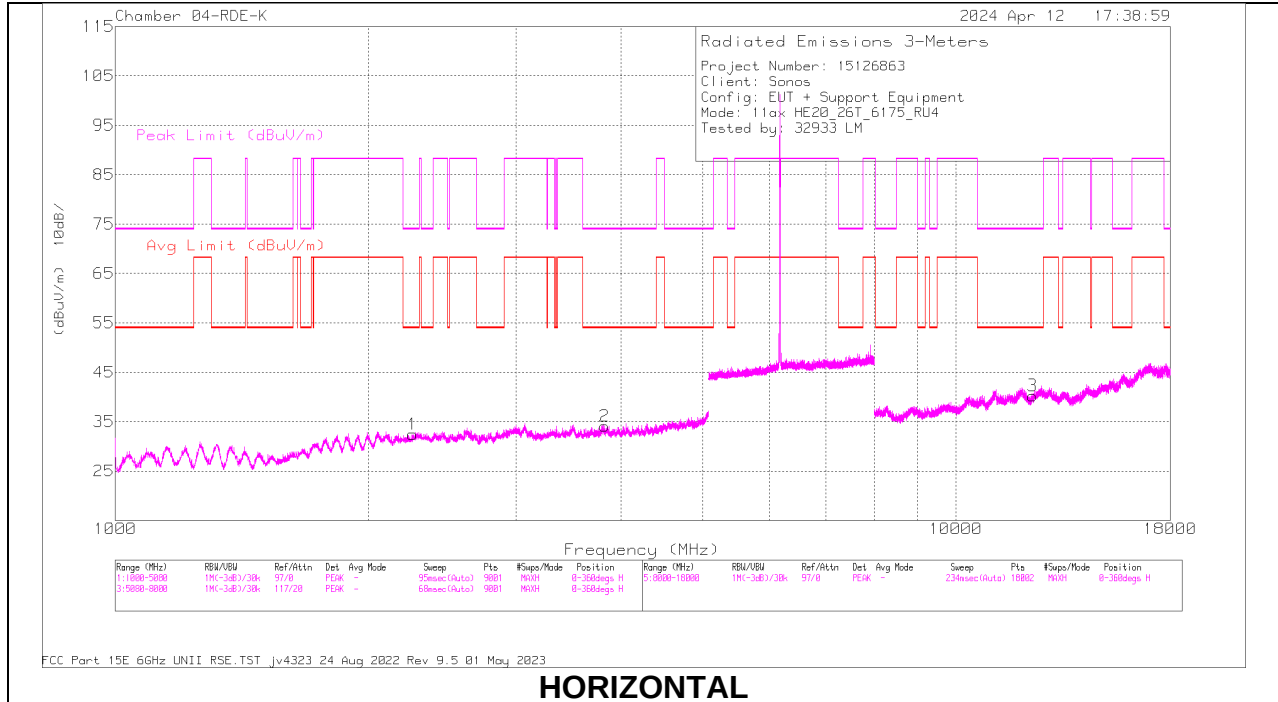
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 2 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 4

HARMONICS AND SPURIOUS EMISSIONS

MID



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(dB/m) - 3mH	Amp/ICbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2258.307	55.52	PK-U	32	-45.3	0	42.22	-	-	74	-31.78	75	238	H
	* 2257.525	43.68	ADR	32	-45.3	3.03	33.41	54	-20.59	-	-	75	238	H
2	* 3817.202	52.25	PK-U	33.8	-42.3	0	43.75	-	-	74	-30.25	76	270	H
	* 3817.891	40.46	ADR	33.8	-42.3	3.03	34.99	54	-19.01	-	-	76	270	H
3	* 12335.576	45.95	PK-U	38.9	-35.2	0	49.65	-	-	74	-24.35	48	336	H
	* 12335.78	33.93	ADR	38.9	-35.2	3.03	40.66	54	-13.34	-	-	48	336	H
4	* 2287.443	55.47	PK-U	32.5	-45.2	0	42.77	-	-	74	-31.23	164	284	V
	* 2290.128	43.59	ADR	32.5	-45.2	3.03	33.92	54	-20.08	-	-	164	284	V
5	* 3807.398	52.32	PK-U	33.8	-42.3	0	43.82	-	-	74	-30.18	341	198	V
	* 3806.55	40.47	ADR	33.8	-42.3	3.03	35	54	-19	-	-	341	198	V
6	* 12341.171	45.87	PK-U	38.9	-35.2	0	49.57	-	-	74	-24.43	38	216	V
	* 12339.841	33.88	ADR	39	-35.2	3.03	40.71	54	-13.29	-	-	38	216	V

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

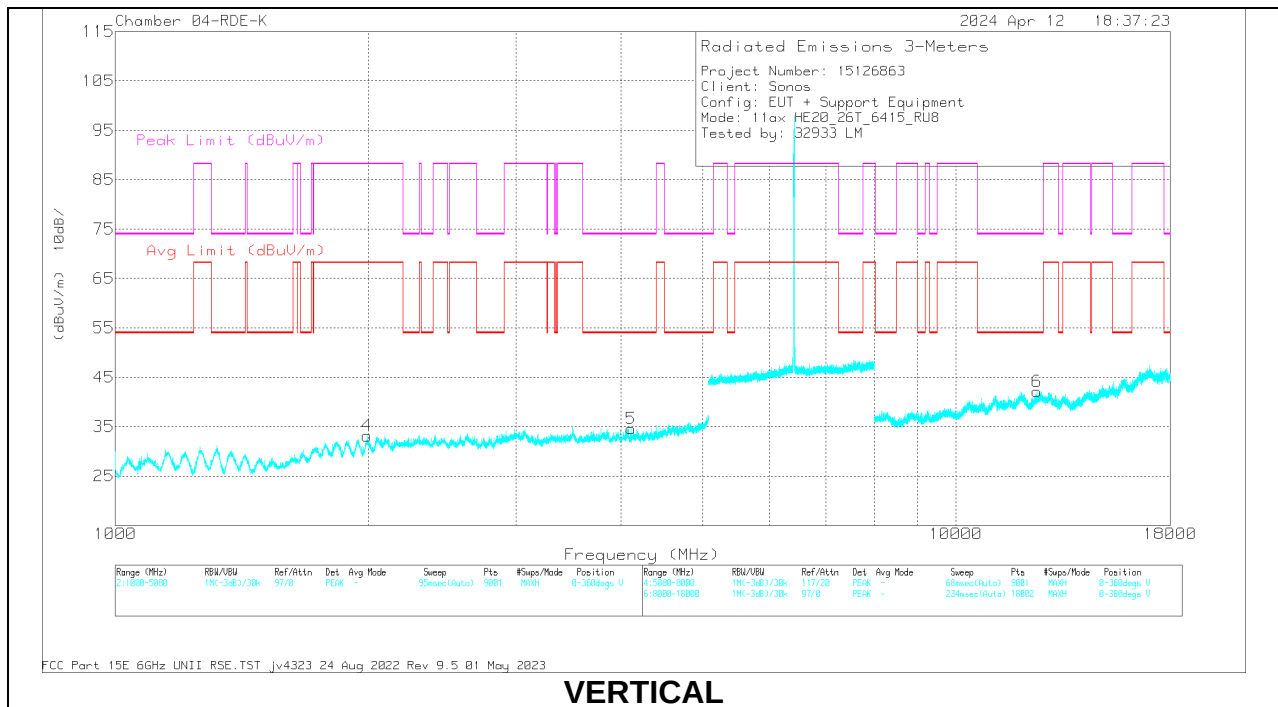
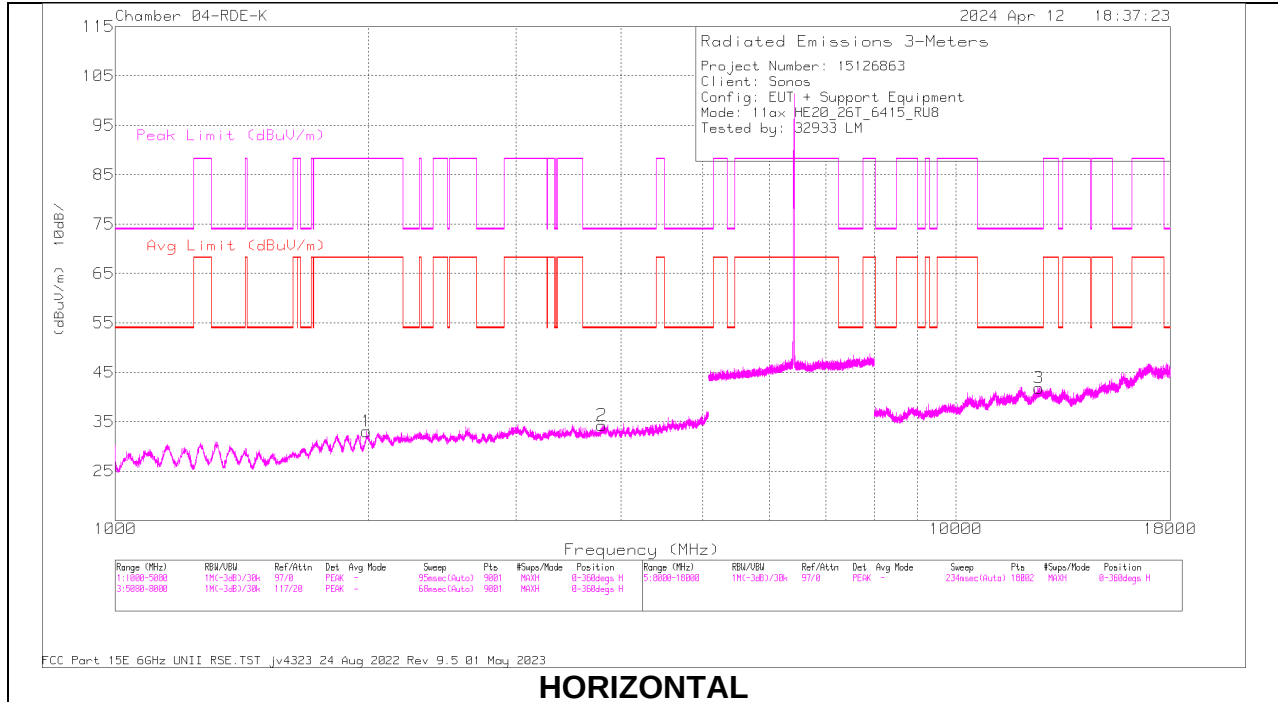
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 2 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 8

HARMONICS AND SPURIOUS EMISSIONS

HIGH



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(d B/m) - 3mH	Amp/ICbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1992.145	44.97	ADR	31.7	-46	3.03	33.7	68.2	-34.5	-	-	198	101	H
	1993.322	56.64	PK-U	31.7	-46	0	42.34	-	-	88.2	-45.86	198	101	H
2	* 3791.84	52.79	PK-U	33.5	-42.3	0	43.99	-	-	74	-30.01	342	354	H
	* 3790.593	40.77	ADR	33.5	-42.3	3.03	35	54	-19	-	-	342	354	H
3	* 12559.613	47.01	PK-U	39.1	-35.2	0	50.91	-	-	74	-23.09	62	176	H
	* 12557.699	34.67	ADR	39.1	-35.2	3.03	41.6	54	-12.4	-	-	62	176	H
4	1996.042	57.14	PK-U	31.6	-46	0	42.74	-	-	88.2	-45.46	102	268	V
	1996.833	44.98	ADR	31.6	-46	3.03	33.61	68.2	-34.59	-	-	102	268	V
5	* 4110.534	52.02	PK-U	33.6	-42.1	0	43.52	-	-	74	-30.48	345	306	V
	* 4109.011	39.9	ADR	33.6	-42.1	3.03	34.43	54	-19.57	-	-	345	306	V
6	* 12488.088	46.68	PK-U	38.9	-35.2	0	50.38	-	-	74	-23.62	40	210	V
	* 12488.493	34.09	ADR	38.9	-35.2	3.03	40.82	54	-13.18	-	-	40	210	V

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

PK-U - U-NII: Maximum Peak

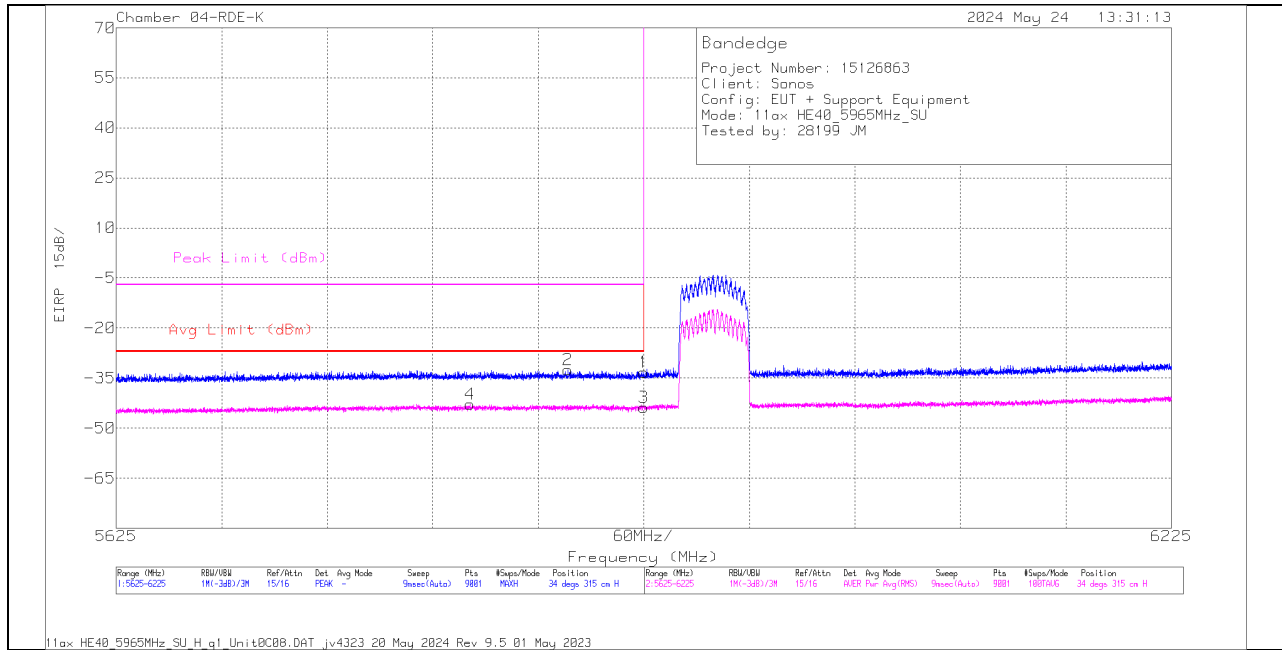
ADR - U-NII AD primary method, RMS average

10.1.2. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE UNII-5 BAND

2TX Antenna 2 + Antenna 4 OFDMA MODE: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



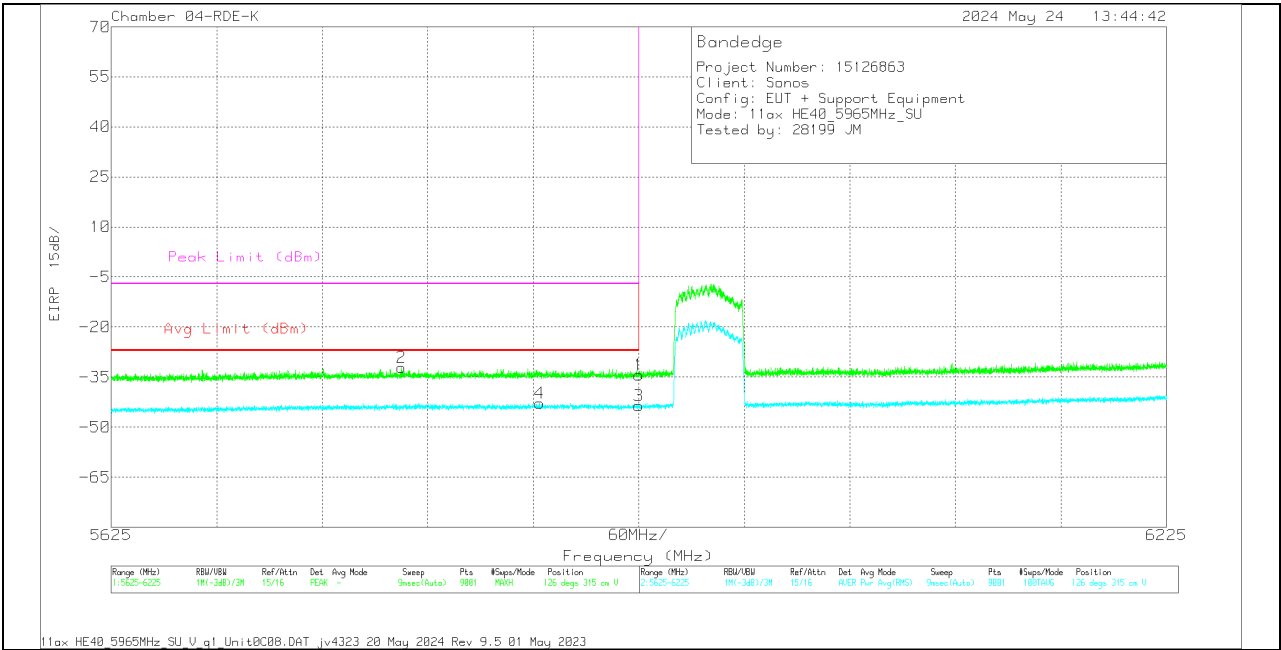
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Pk Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5826.334	-74.04	RMS	35.1	-17	11.8	1.35	-42.79	-27	-15.79	-	-	34	315	H
2	5881.735	-62.45	Pk	35	-16.9	11.8	0	-32.55	-	-	-7	25.55	34	315	H
1	5925	-63.27	Pk	35.1	-16.9	11.8	0	-33.27	-	-	-7	26.27	34	315	H
3	5925	-75.14	RMS	35.1	-16.9	11.8	1.35	-43.79	-27	-16.79	-	-	34	315	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5790.067	-62.08	Pk	35.1	-17	11.8	0	-32.18	-	-	-7	-25.18	126	315	V
4	5868.668	-74.15	RMS	35.1	-16.9	11.8	1.35	-42.8	-27	-15.8	-	-	126	315	V
1	5925	-64.31	Pk	35.1	-16.9	11.8	0	-34.31	-	-	-7	-27.31	126	315	V
3	5925	-75	RMS	35.1	-16.9	11.8	1.35	-43.65	-27	-16.65	-	-	126	315	V

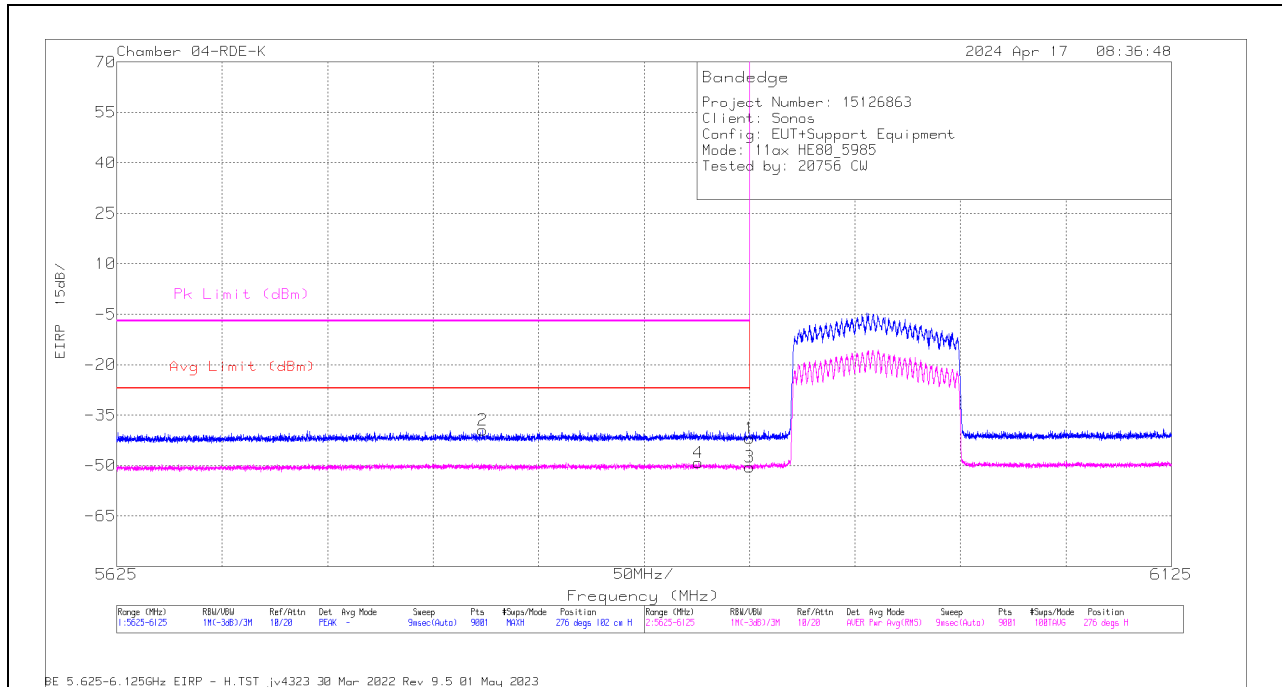
Pk - Peak detector
RMS - RMS detection

10.1.3. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-5 BAND

2TX Antenna 2 + Antenna 4 OFDMA MODE: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



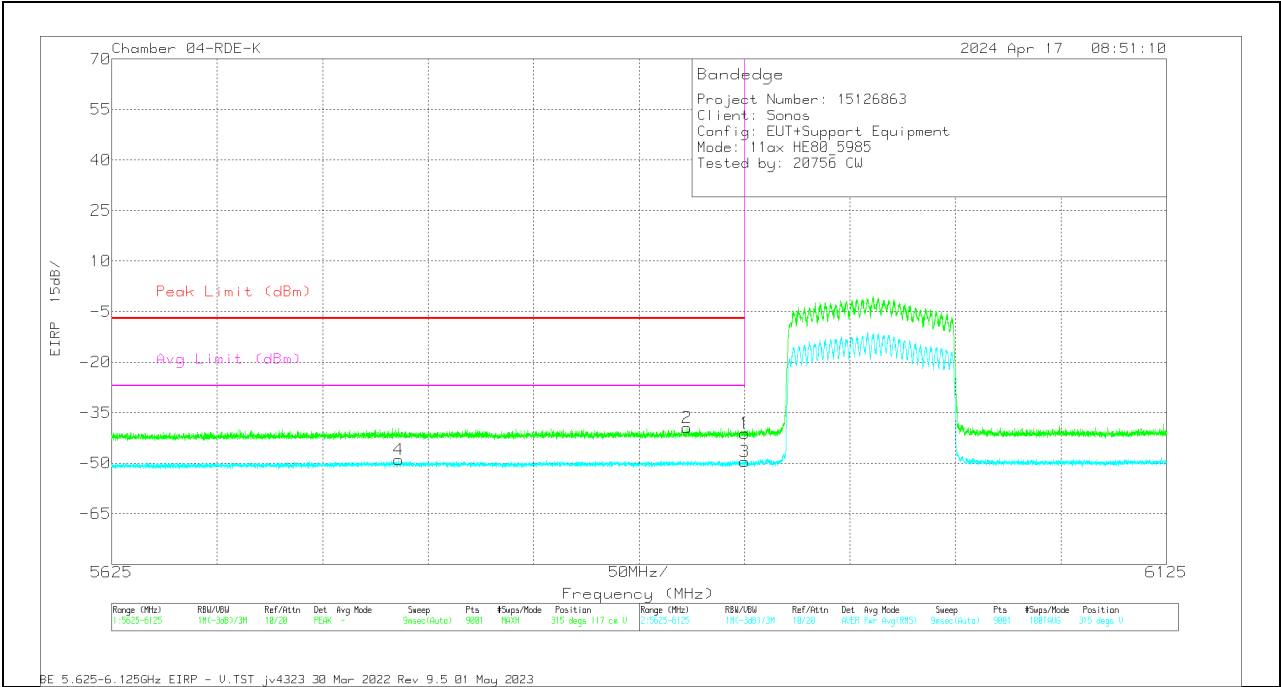
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Pk Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5798.446	-55.78	Pk	35	-30.5	11.8	0	-39.48	-	-	-7	-32.48	276	102	H
4	5900.669	-68.23	RMS	35.2	-30.3	11.8	2.38	-49.15	-27	-22.15	-	-	276	102	H
1	5925	-58.49	Pk	35.1	-30.3	11.8	0	-41.89	-	-	-7	-34.89	276	102	H
3	5925	-69.4	RMS	35.1	-30.3	11.8	2.38	-50.42	-27	-23.42	-	-	276	102	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5761.057	-67.63	RMS	35	-30.5	11.8	2.38	-48.95	-	-	-27	-21.95	315	117	V
2	5897.836	-56.12	Pk	35.2	-30.4	11.8	0	-39.52	-7	-32.52	-	-	315	117	V
1	5925	-57.76	Pk	35.1	-30.3	11.8	0	-41.16	-7	-34.16	-	-	315	117	V
3	5925	-68.5	RMS	35.1	-30.3	11.8	2.38	-49.52	-	-	-27	-22.52	315	117	V

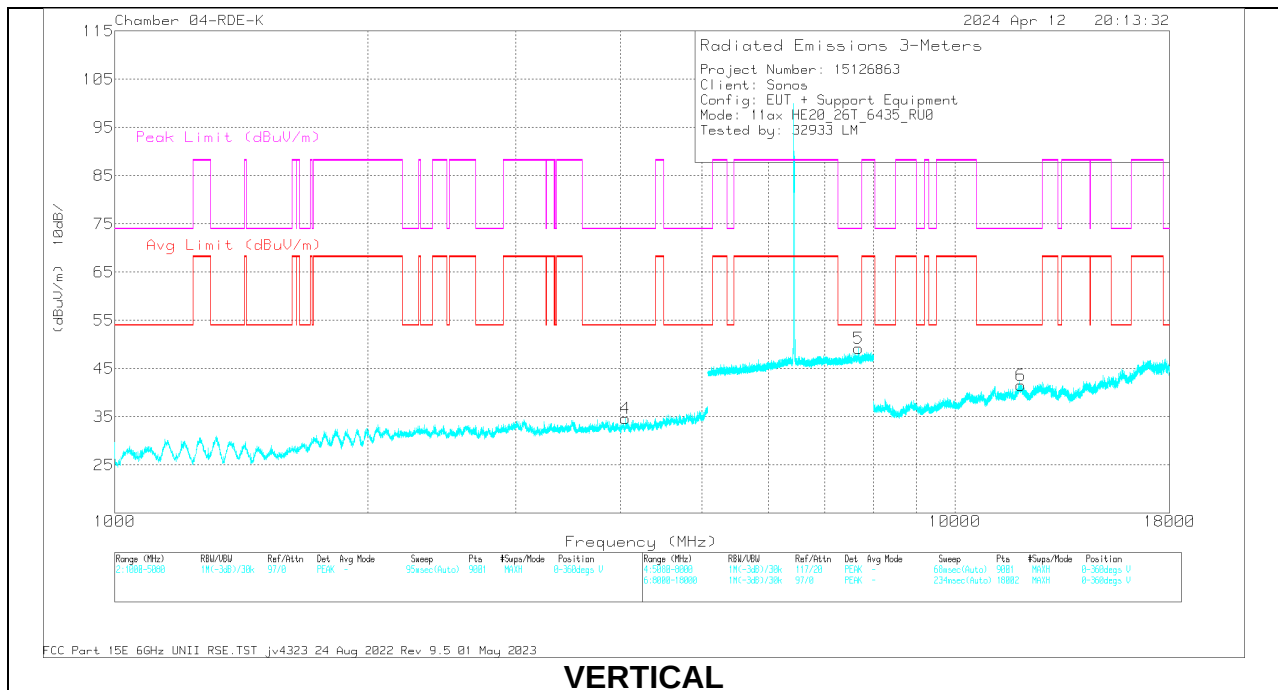
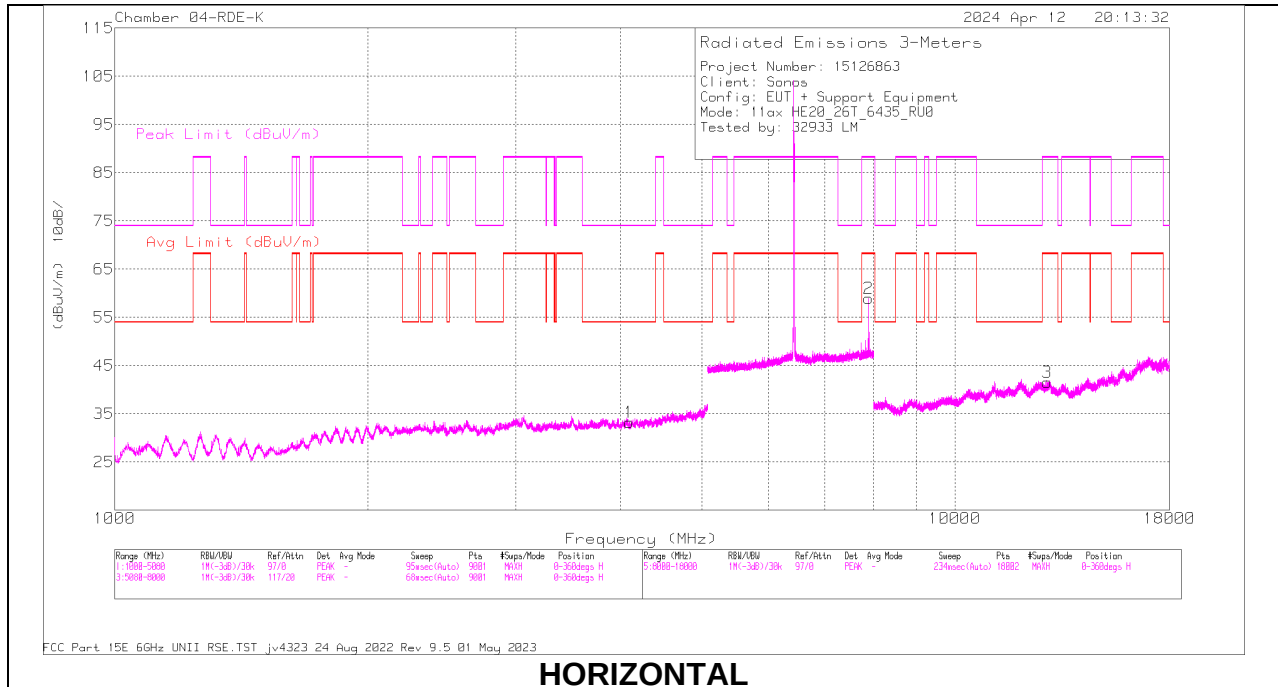
Pk - Peak detector
RMS - RMS detection

10.1.4. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-6 BAND

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 0

HARMONICS AND SPURIOUS EMISSIONS

LOW



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(d B/m) - 3mH	Amp/Cbll/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4094.787	51.51	PK-U	33.6	-42.1	0	43.01	-	-	74	-30.99	154	300	H
	* 4091.173	39.96	ADR	33.6	-42.1	3.03	34.49	54	-19.51	-	-	154	300	H
4	* 4053.214	52.71	PK-U	33.8	-42.2	0	44.31	-	-	74	-29.69	111	368	V
	* 4054.352	40.1	ADR	33.8	-42.2	3.03	34.73	54	-19.27	-	-	111	368	V
6	* 11986.893	46.53	PK-U	38.8	-34.8	0	50.53	-	-	74	-23.47	160	248	V
	* 11986.343	34.9	ADR	38.8	-34.8	3.03	41.93	54	-12.07	-	-	160	248	V
3	12868.443	33.89	ADR	39.1	-35.2	3.03	40.82	68.2	-27.38	-	-	40	170	H
	12869.252	45.94	PK-U	39.1	-35.2	0	49.84	-	-	88.2	-38.36	40	170	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(d B/m) - 3mH	Amp/Cbll/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 7684.839	50.72	PK-U	35.8	-28.9	0	57.62	-	-	74	-16.38	25	149	V
	* 7684.458	38.32	ADR	35.8	-28.9	3.03	48.25	54	-5.75	-	-	25	149	V
2	7902.138	49.79	PK-U	36	-28.2	0	57.59	-	-	88.2	-30.61	341	184	H
	7902.399	38.03	ADR	36	-28.2	3.03	48.86	68.2	-19.34	-	-	341	184	H

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

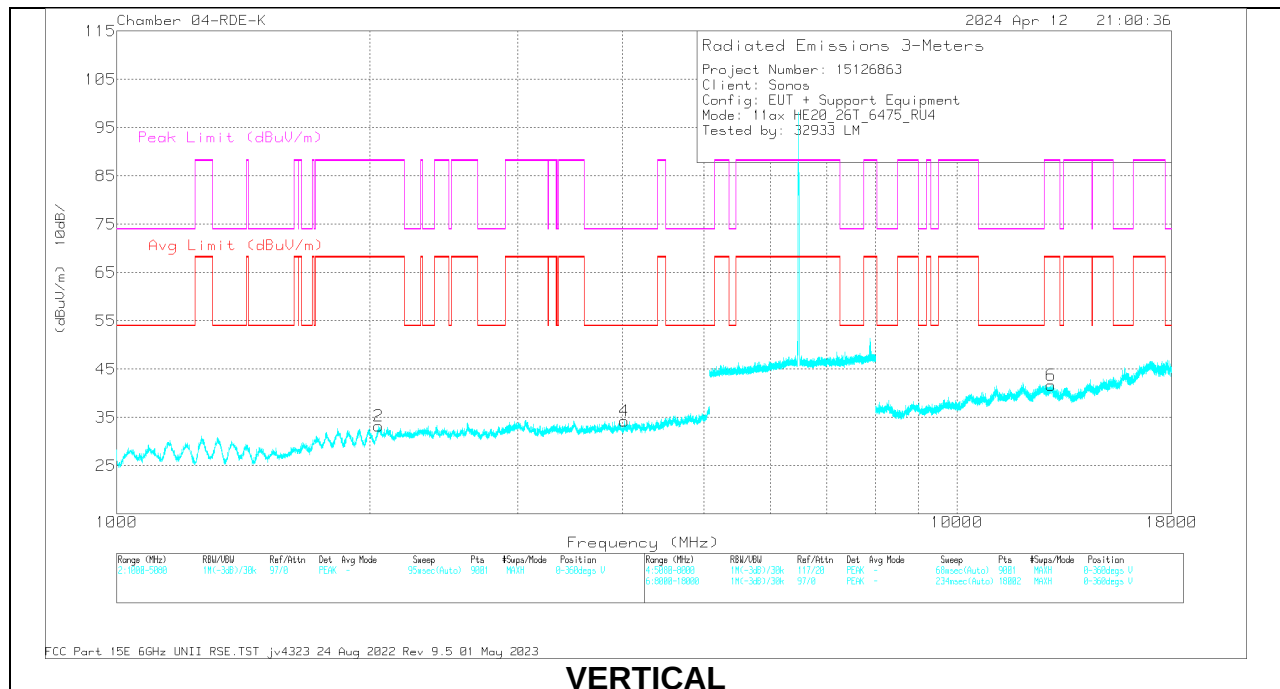
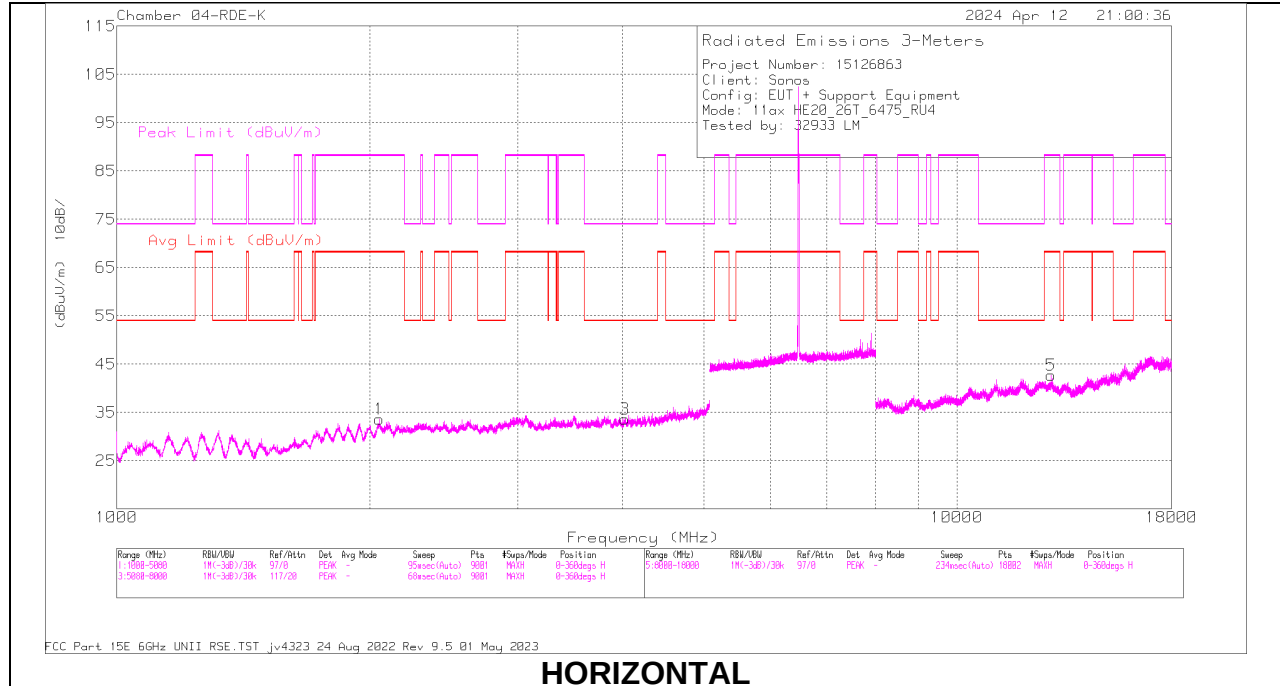
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 4

HARMONICS AND SPURIOUS EMISSIONS

MID



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(d B/m) - 3mH	Amp/ICbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2053.114	56.88	PK-U	32.1	-46.1	0	42.88	-	-	88.2	-45.32	9	200	H
	2049.682	45.01	ADR	32.1	-46.1	3.03	34.04	68.2	-34.16	-	-	9	200	H
2	2050.27	56.86	PK-U	32.1	-46.1	0	42.86	-	-	88.2	-45.34	278	243	V
	2049.161	45.14	ADR	32	-46.1	3.03	34.07	68.2	-34.13	-	-	278	243	V
3	* 4027.635	51.82	PK-U	33.7	-42.2	0	43.42	-	-	74	-30.58	214	253	H
	* 4027.973	40.35	ADR	33.7	-42.2	3.03	34.88	54	-19.12	-	-	214	253	H
4	* 4019.274	52.26	PK-U	33.7	-42.2	0	43.76	-	-	74	-30.24	20	213	V
	* 4017.843	40.49	ADR	33.7	-42.2	3.03	35.02	54	-18.98	-	-	20	213	V
5	12950.171	35.87	ADR	39.1	-35	3.03	43	68.2	-25.2	-	-	239	283	H
	12950.202	50.38	PK-U	39.1	-35	0	54.48	-	-	88.2	-33.72	239	283	H
6	12932.068	46.58	PK-U	39.2	-35	0	50.78	-	-	88.2	-37.42	233	188	V
	12932.614	33.91	ADR	39.2	-35	3.03	41.14	68.2	-27.06	-	-	233	188	V

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

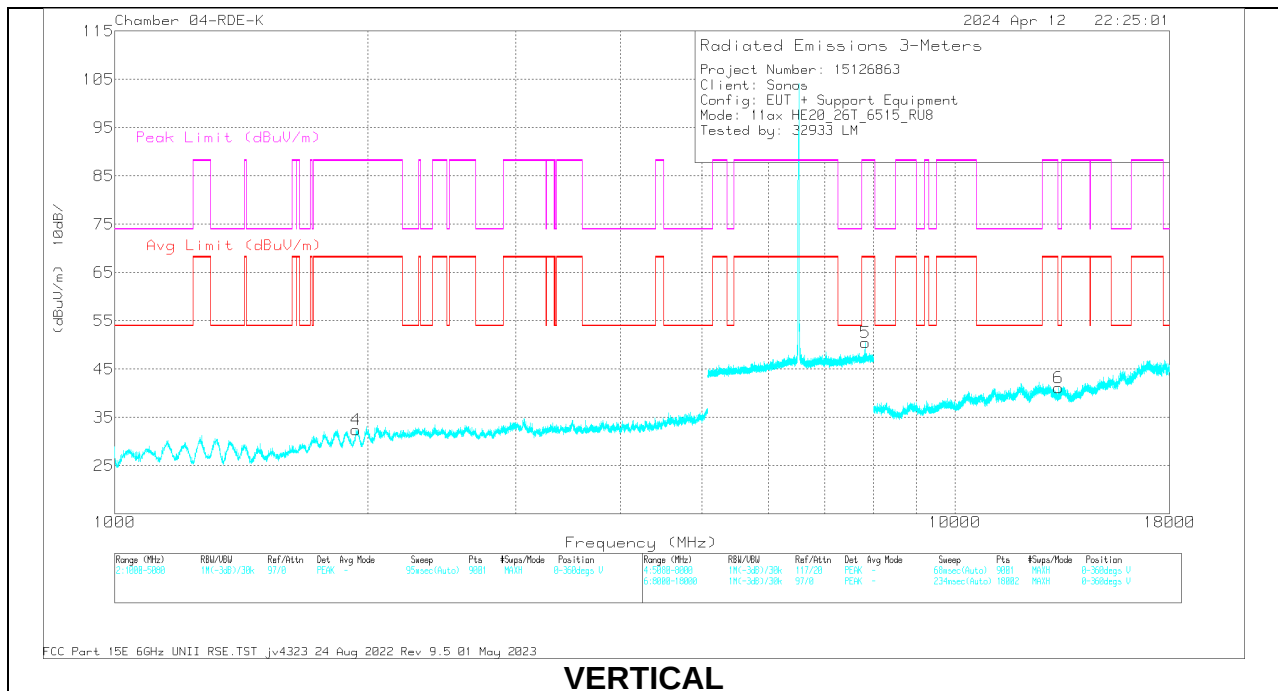
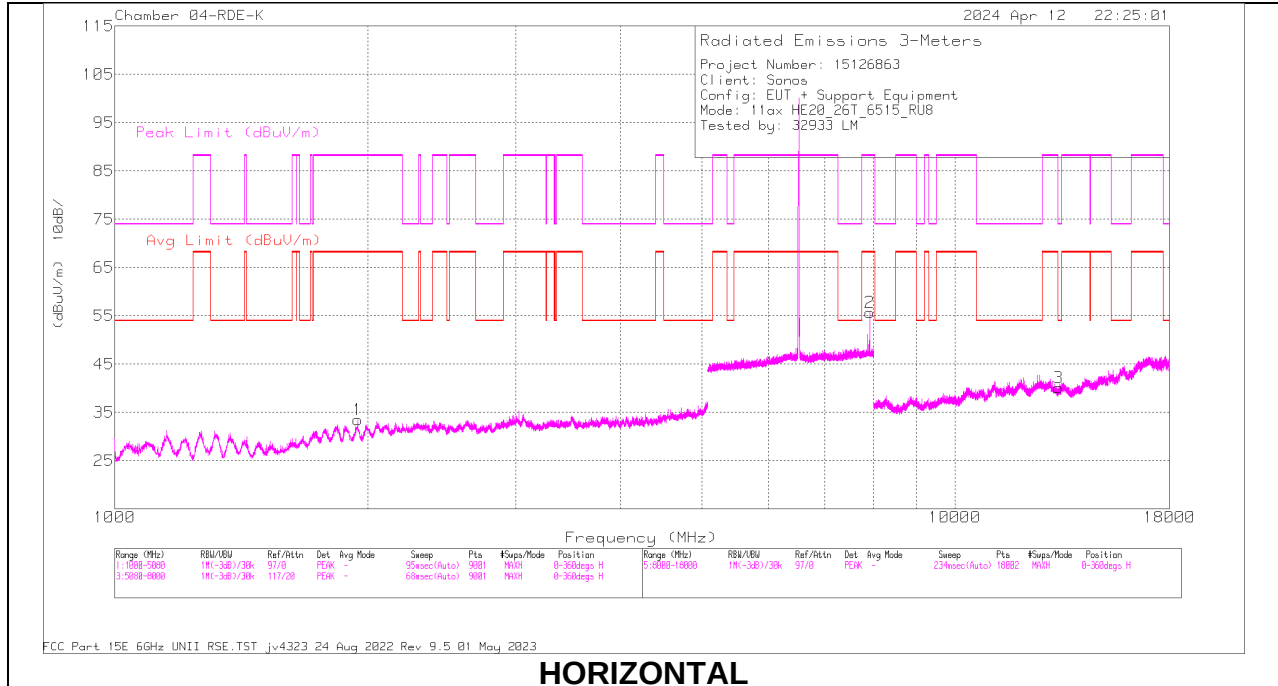
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 8

HARMONICS AND SPURIOUS EMISSIONS

HIGH



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(d B/m) - 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1944.014	45.01	ADR	31.5	-45.7	3.03	33.84	68.2	-34.36	-	-	188	313	H
	1945.863	56.75	PK-U	31.5	-45.8	0	42.45	-	-	88.2	-45.75	188	313	H
3	* 13283.112	47.08	PK-U	39.1	-35.8	0	50.38	-	-	74	-23.62	122	171	H
	* 13284.656	34.85	ADR	39.1	-35.8	3.03	41.18	54	-12.82	-	-	122	171	H
4	1938.846	57.37	PK-U	31.3	-45.7	0	42.97	-	-	88.2	-45.23	162	262	V
	1938.945	45.02	ADR	31.3	-45.7	3.03	33.65	68.2	-34.55	-	-	162	262	V
6	* 13282.019	46.84	PK-U	39.1	-35.9	0	50.04	-	-	74	-23.96	316	104	V
	* 13281.275	34.77	ADR	39.1	-35.8	3.03	41.1	54	-12.9	-	-	316	104	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

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(d B/m) - 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	7919.125	49.85	PK-U	35.8	-28.2	0	57.45	-	-	88.2	-30.75	318	189	H
	7921.647	38.06	ADR	35.8	-28.2	3.03	48.69	68.2	-19.51	-	-	318	189	H
5	7820.587	38.07	ADR	35.9	-28.4	3.03	48.6	68.2	-19.6	-	-	100	138	V
	7822.22	50.1	PK-U	35.9	-28.4	0	57.6	-	-	88.2	-30.6	100	138	V

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

PK-U - U-NII: Maximum Peak

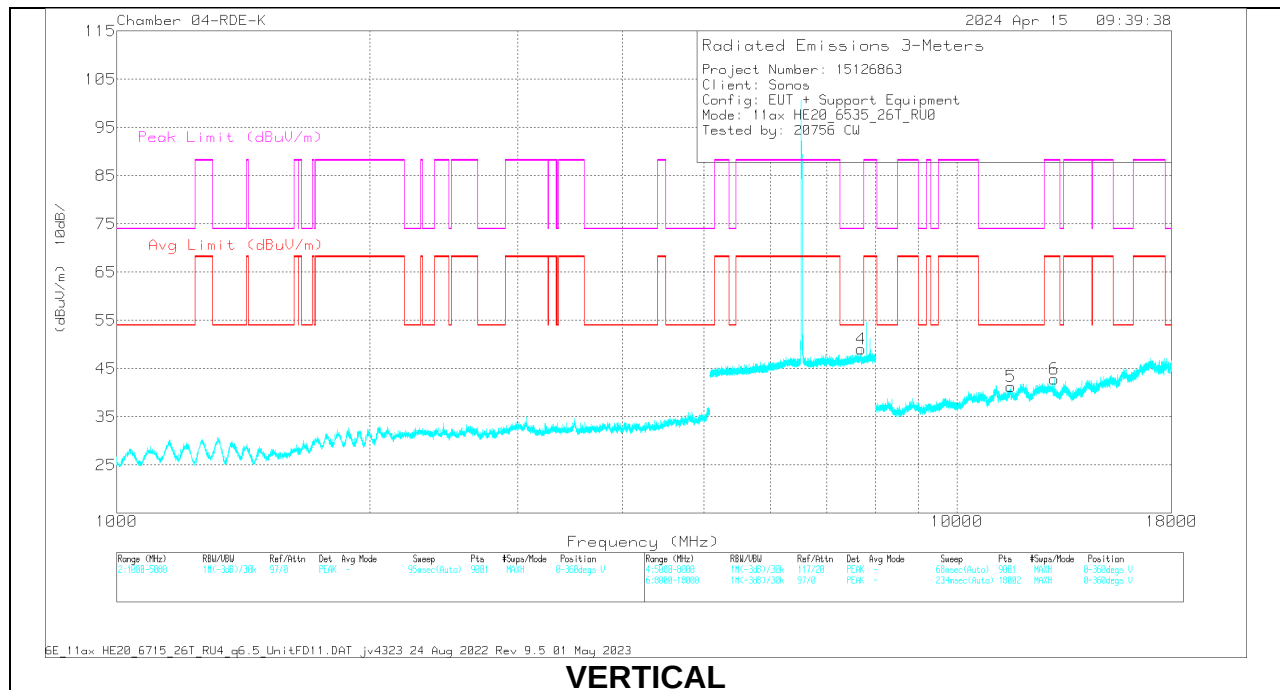
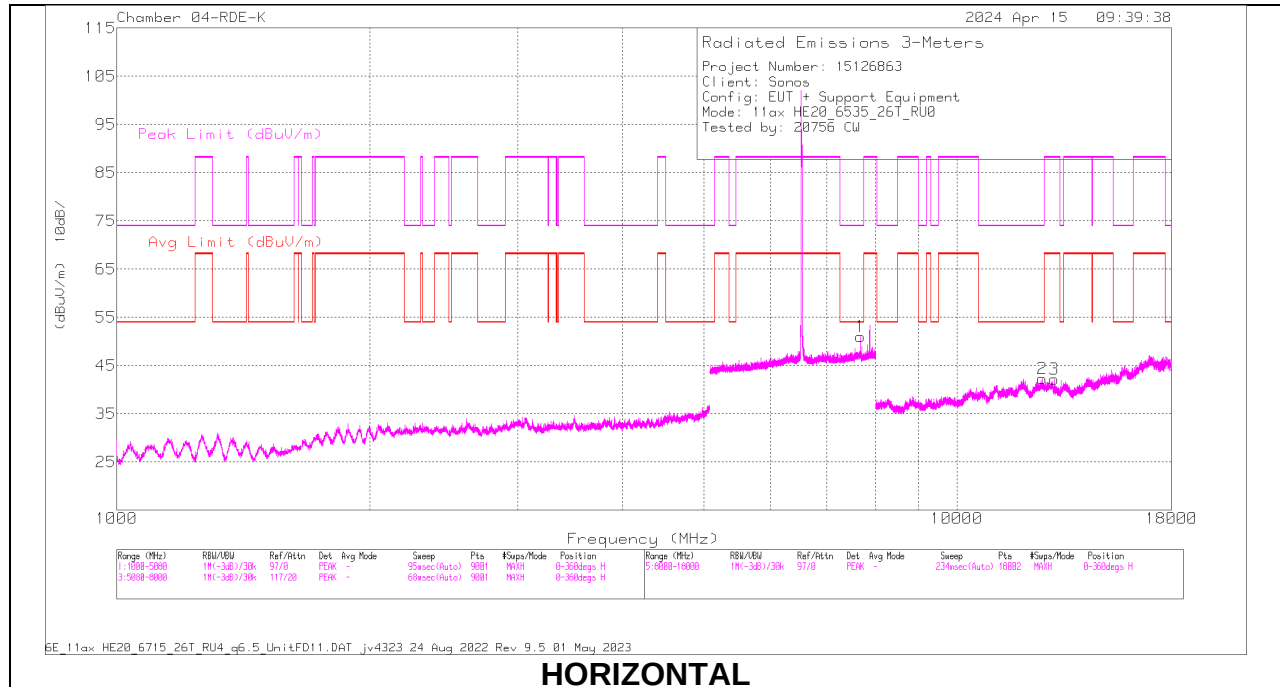
ADR - U-NII AD primary method, RMS average

10.1.5. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-7 BAND

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 0

HARMONICS AND SPURIOUS EMISSIONS

LOW



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(d B/m) - 3mH	Ampl/Cbll/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 12629.995	47.08	PK-U	39	-35	0	51.08	-	-	74	-22.92	126	266	H
	* 12630.736	35.07	ADR	39	-35.1	3.03	42	54	-12	-	-	126	266	H
5	* 11590.441	47.53	PK-U	38.3	-35.6	0	50.23	-	-	74	-23.77	149	367	V
	* 11589.983	35.5	ADR	38.3	-35.6	3.03	41.23	54	-12.77	-	-	149	367	V
3	13052.103	35.58	ADR	39	-35.2	3.03	42.41	68.2	-25.79	-	-	355	316	H
	13052.337	47.75	PK-U	39	-35.2	0	51.55	-	-	88.2	-36.65	355	316	H
6	13053.032	37.45	ADR	39	-35.2	3.03	44.28	68.2	-23.92	-	-	327	279	V
	13053.114	52.49	PK-U	39	-35.2	0	56.29	-	-	88.2	-31.91	327	279	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

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(d B/m) - 3mH	Ampl/Cbll/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7682.121	38.22	ADR	35.8	-28.9	3.03	48.15	54	-5.85	-	-	123	192	H
	* 7685.254	50.12	PK-U	35.8	-28.9	0	57.02	-	-	74	-16.98	123	192	H
4	* 7696.254	50.53	PK-U	35.9	-28.9	0	57.53	-	-	74	-16.47	341	199	V
	* 7698.258	38.26	ADR	35.9	-28.9	3.03	48.29	54	-5.71	-	-	341	199	V

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

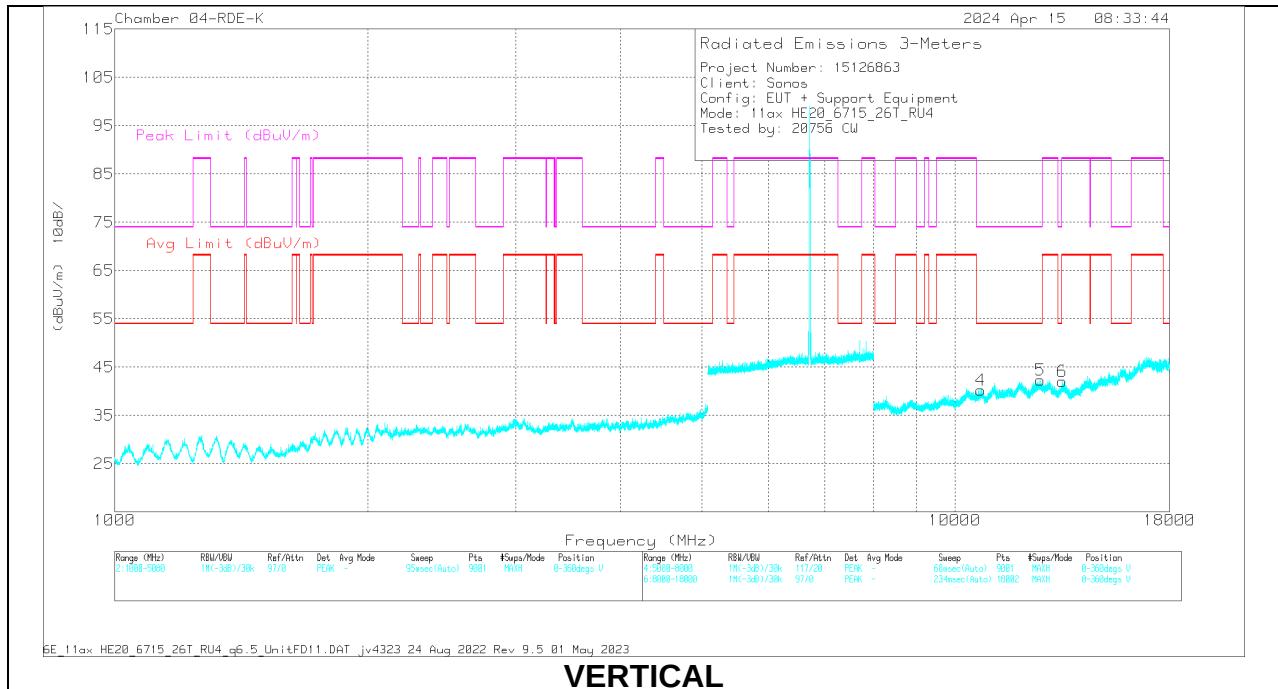
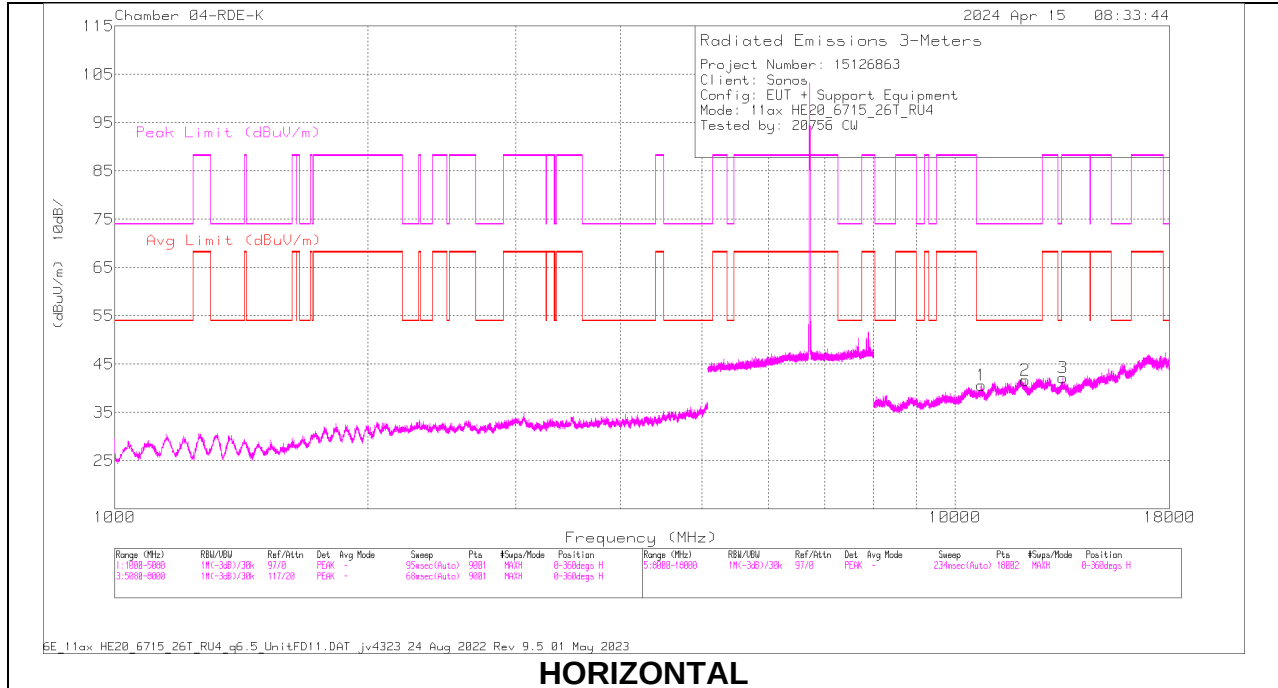
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 4

HARMONICS AND SPURIOUS EMISSIONS

MID



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404, ACF(dB/m) - 3mH	Amp/ICbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 10743.822	48.32	PK-U	37.8	-36.6	0	49.52	-	-	74	-24.48	133	114	H
	* 10743.59	36.46	ADR	37.9	-36.6	3.03	40.79	54	-13.21	-	-	133	114	H
2	* 12117.744	46.8	PK-U	38.9	-35.2	0	50.5	-	-	74	-23.5	330	115	H
	* 12117.597	35.14	ADR	38.9	-35.2	3.03	41.87	54	-12.13	-	-	330	115	H
4	* 10733.226	48.32	PK-U	37.9	-36.6	0	49.42	-	-	74	-24.58	102	133	V
	* 10731.933	36.67	ADR	37.9	-36.9	3.03	40.7	54	-13.3	-	-	102	133	V
5	* 12641.388	47.19	PK-U	39.1	-35	0	51.29	-	-	74	-22.71	198	282	V
	* 12641.339	35.46	ADR	39.1	-35	3.03	42.59	54	-11.41	-	-	198	282	V
6	13428.215	51.94	PK-U	38.9	-35.4	0	55.44	-	-	88.2	-32.76	330	176	V
	13428.348	37.23	ADR	38.9	-35.4	3.03	43.76	68.2	-24.44	-	-	330	176	V
3	13430.165	49.75	PK-U	38.9	-35.4	0	53.25	-	-	88.2	-34.95	225	134	H
	13430.224	37.08	ADR	38.9	-35.4	3.03	43.61	68.2	-24.59	-	-	225	134	H

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

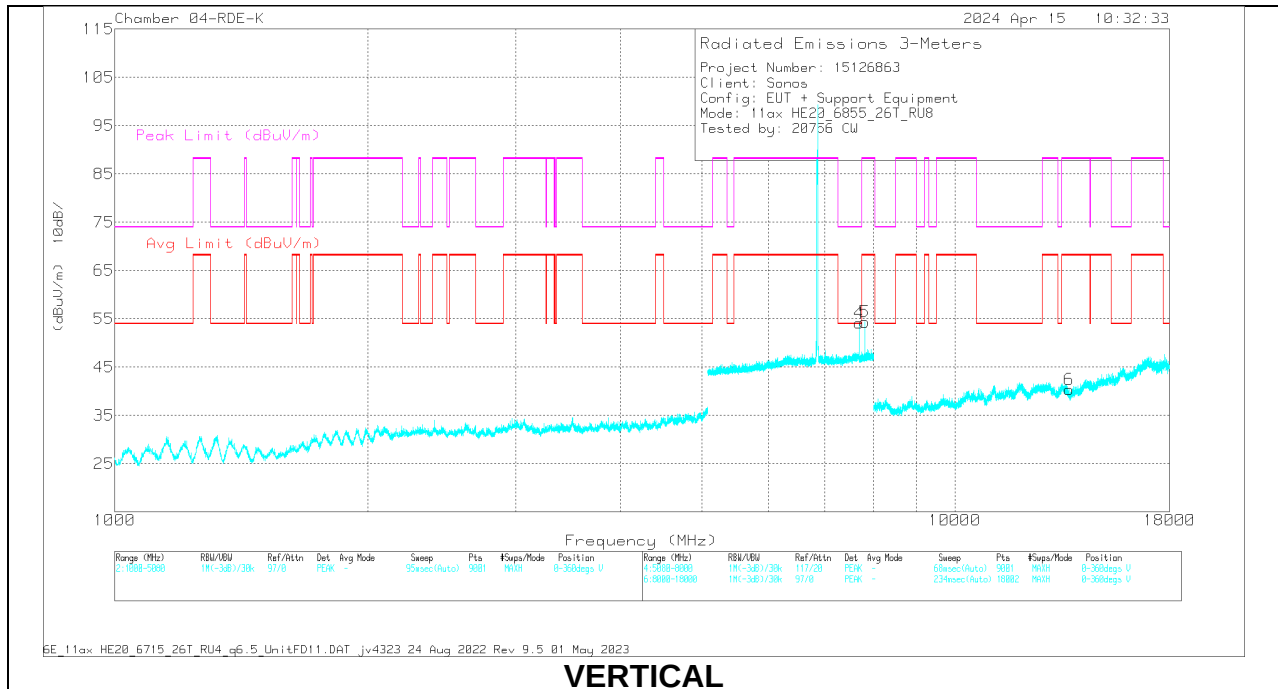
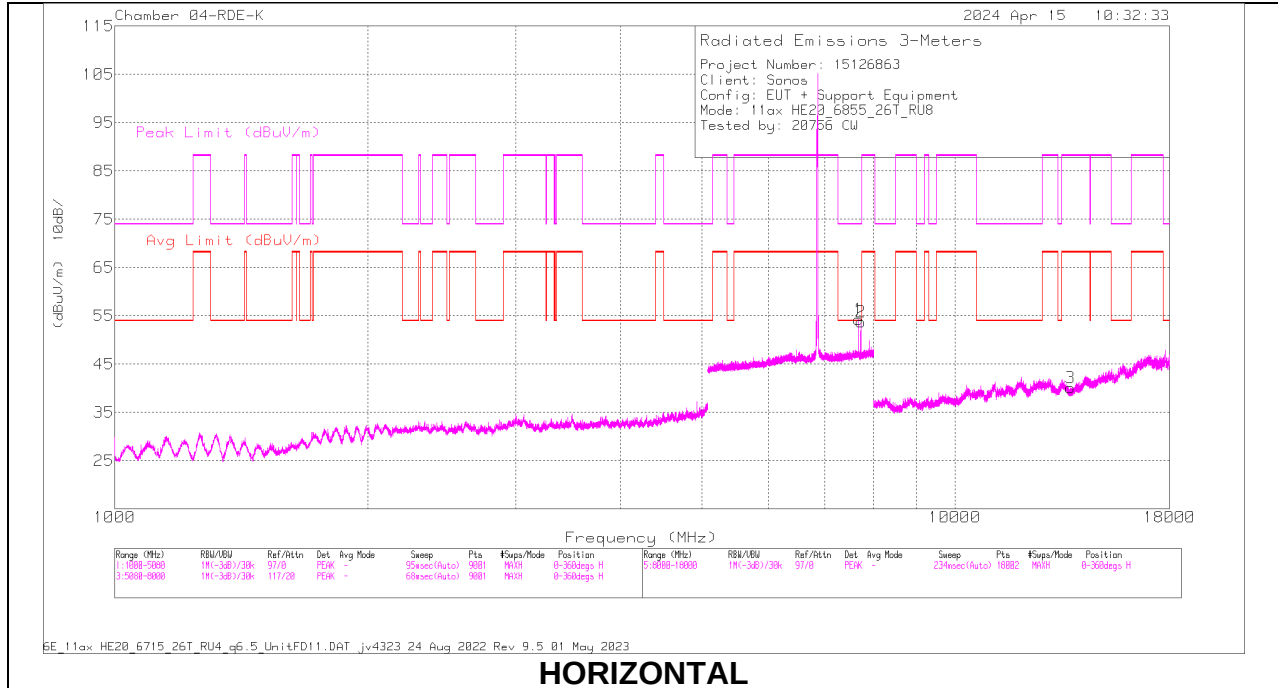
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 8

HARMONICS AND SPURIOUS EMISSIONS

HIGH



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(d B/m) - 3mH	Amp/CbI/Ftr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	13683.684	34.77	ADR	38.7	-35.7	3.03	40.8	68.2	-27.4	-	-	37	285	V
	13683.958	46.92	PK-U	38.7	-35.7	0	49.92	-	-	88.2	-38.28	37	285	V
3	13719.428	34.67	ADR	38.6	-35.6	3.03	40.7	68.2	-27.5	-	-	20	306	H
	13722.855	46.71	PK-U	38.6	-35.7	0	49.61	-	-	88.2	-38.59	20	306	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

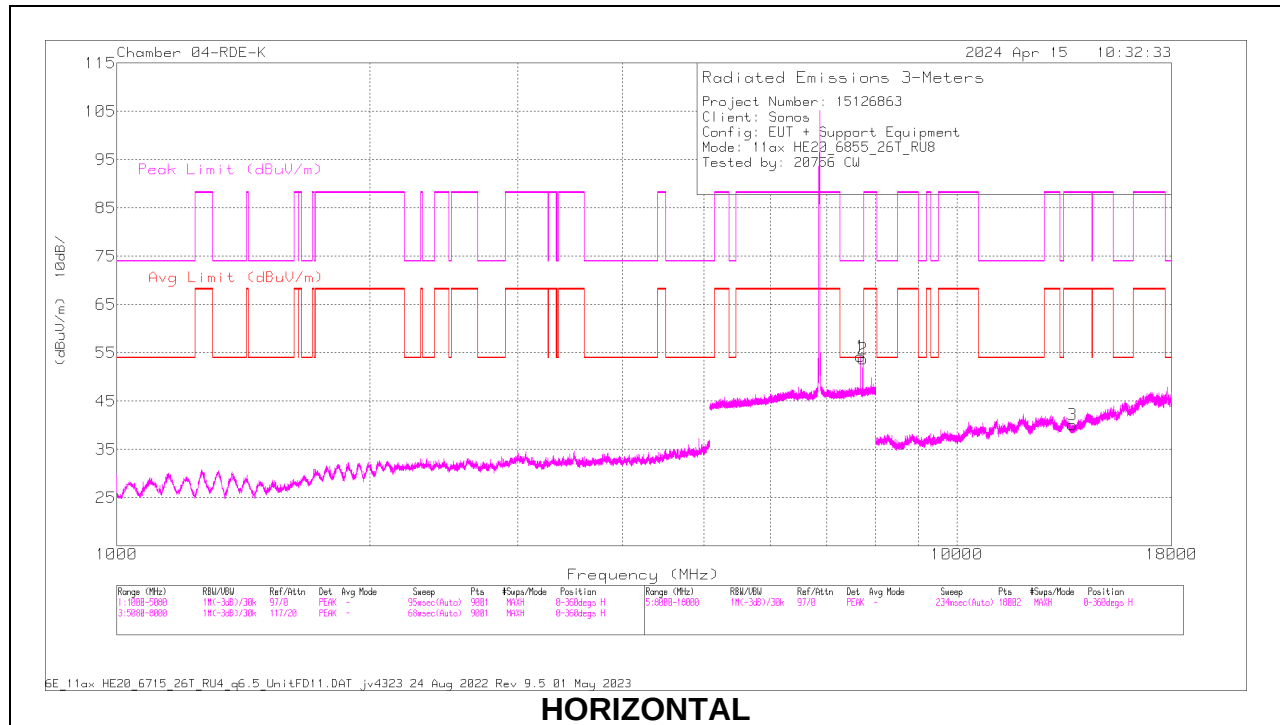
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(d B/m) - 3mH	Amp/CbI/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7680.26	50.11	PK-U	35.8	-28.9	0	57.01	-	-	74	-16.99	172	293	H
	* 7680.378	38.24	ADR	35.8	-28.9	3.03	48.17	54	-5.83	-	-	172	293	H
4	* 7696.128	38.23	ADR	35.9	-28.9	3.03	48.26	54	-5.74	-	-	219	313	V
	* 7696.135	50.34	PK-U	35.9	-28.9	0	57.34	-	-	74	-16.66	219	313	V
2	* 7728.252	51.7	PK-U	35.9	-28.8	0	58.8	-	-	74	-15.2	348	154	H
	* 7728.561	38.08	ADR	35.9	-28.8	3.03	48.21	54	-5.79	-	-	348	154	H
5	7808.139	50.18	PK-U	36	-28.5	0	57.68	-	-	88.2	-30.52	314	384	V
	7808.517	38.11	ADR	36	-28.5	3.03	48.64	68.2	-19.56	-	-	314	384	V

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

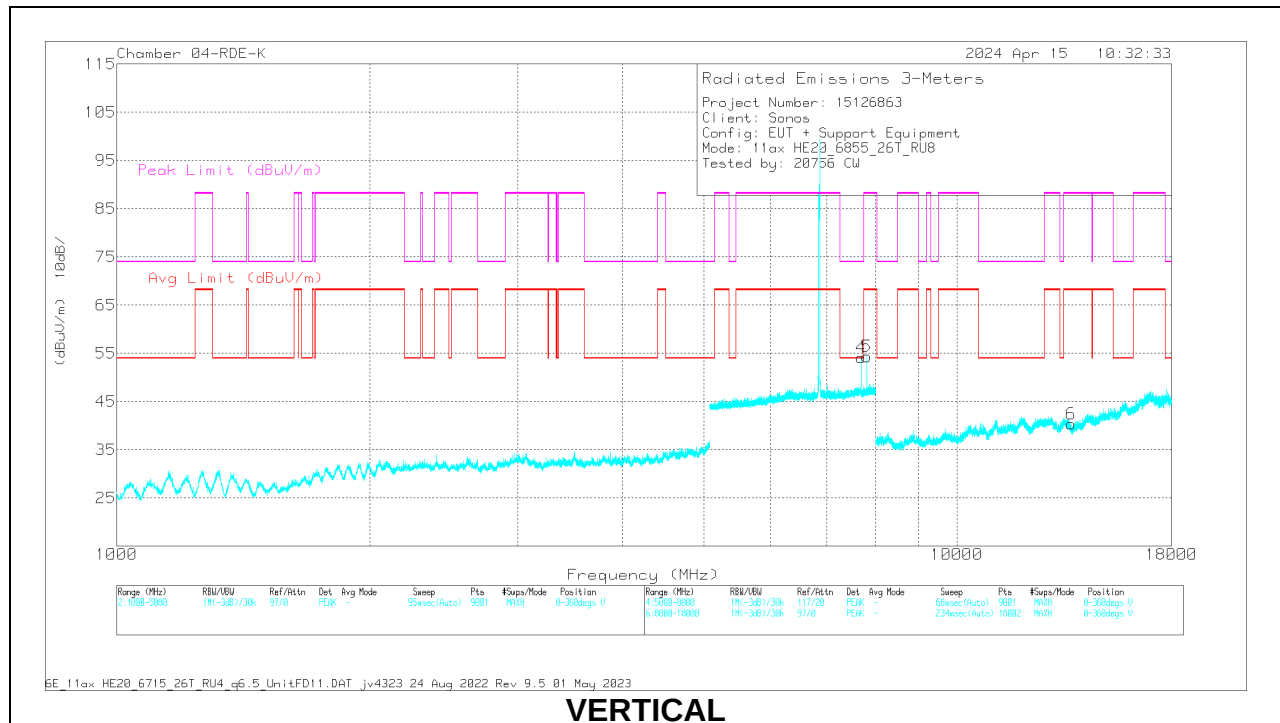
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

H STRADDLE



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7680.26	50.11	PK-U	35.8	-28.9	0	57.01	-	-	74	-16.99	172	293	H
	* 7680.378	38.24	ADR	35.8	-28.9	3.03	48.17	54	-5.83	-	-	172	293	H
4	* 7696.128	38.23	ADR	35.9	-28.9	3.03	48.26	54	-5.74	-	-	219	313	V
	* 7696.135	50.34	PK-U	35.9	-28.9	0	57.34	-	-	74	-16.66	219	313	V
2	* 7728.252	51.7	PK-U	35.9	-28.8	0	58.8	-	-	74	-15.2	348	154	H
	* 7728.561	38.08	ADR	35.9	-28.8	3.03	48.21	54	-5.79	-	-	348	154	H
5	7808.139	50.18	PK-U	36	-28.5	0	57.68	-	-	88.2	-30.52	314	384	V
	7808.517	38.11	ADR	36	-28.5	3.03	48.64	68.2	-19.56	-	-	314	384	V
6	13683.684	34.77	ADR	38.7	-35.7	3.03	40.8	68.2	-27.4	-	-	37	285	V
	13683.958	46.92	PK-U	38.7	-35.7	0	49.92	-	-	88.2	-38.28	37	285	V
3	13719.428	34.67	ADR	38.6	-35.6	3.03	40.7	68.2	-27.5	-	-	20	306	H
	13722.855	46.71	PK-U	38.6	-35.7	0	49.61	-	-	88.2	-38.59	20	306	H

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

PK-U - U-NII: Maximum Peak

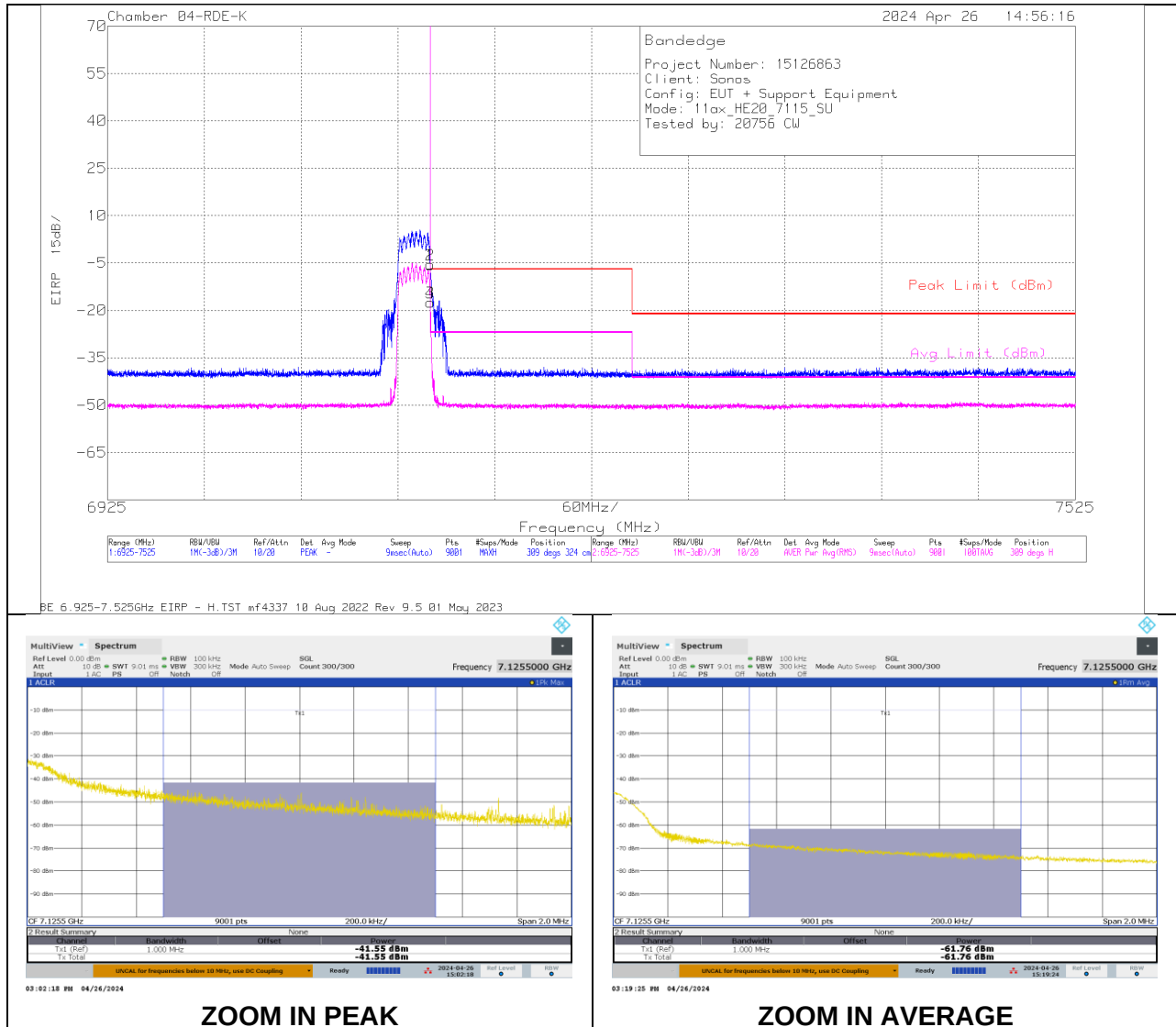
ADR - U-NII AD primary method, RMS average

10.1.6. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-8 BAND

2TX Antenna 1 + Antenna 3 OFDMA MODE: SU, Single User

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

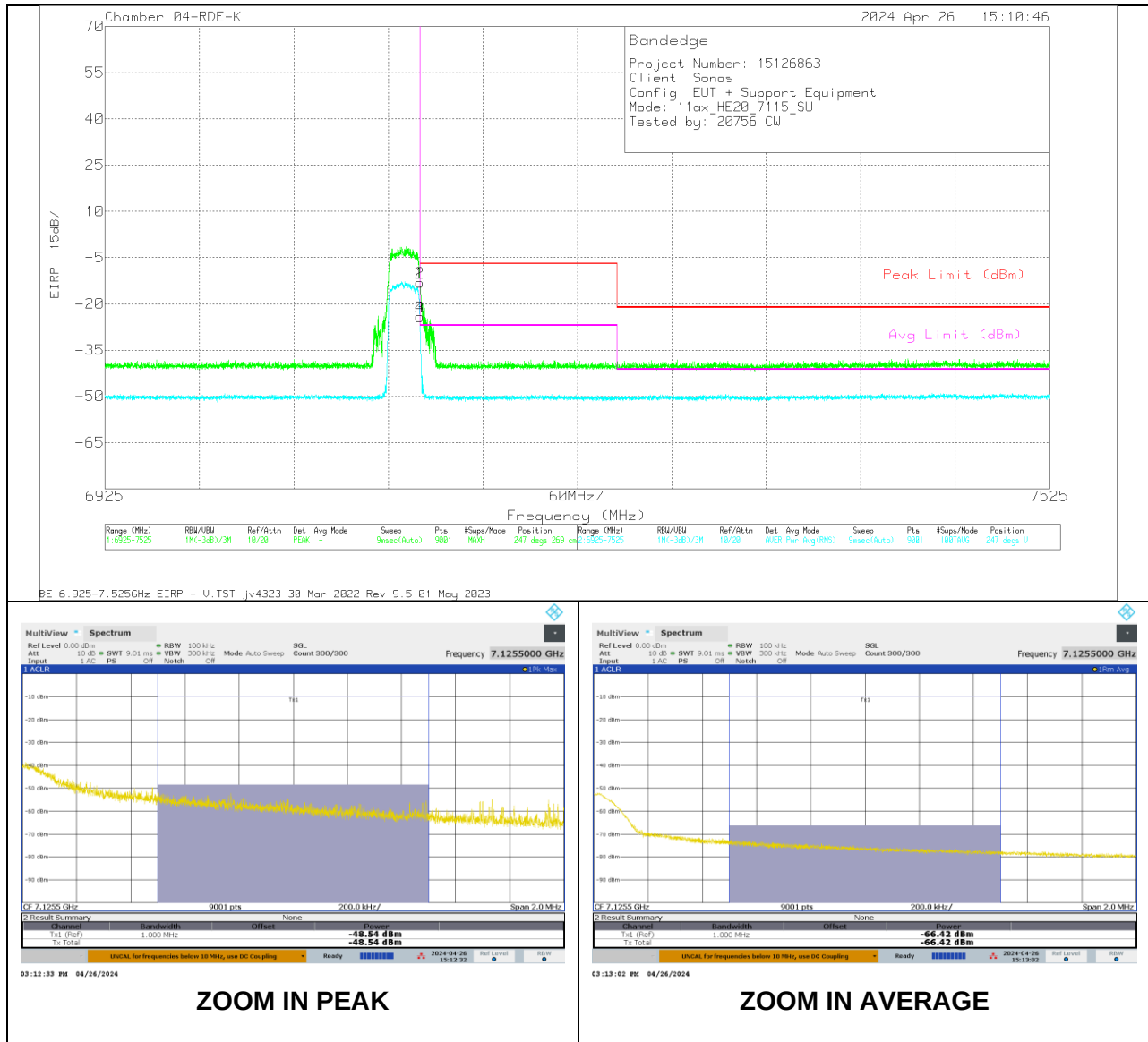


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7125	-41.55	Pk	35.9	-29.2	11.8	0	-23.05	-7	-16.05	-	-	309	324	H
3	7125	-61.76	RMS	35.9	-29.2	11.8	0.74	-42.52	-	-	-27	-15.52	309	324	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

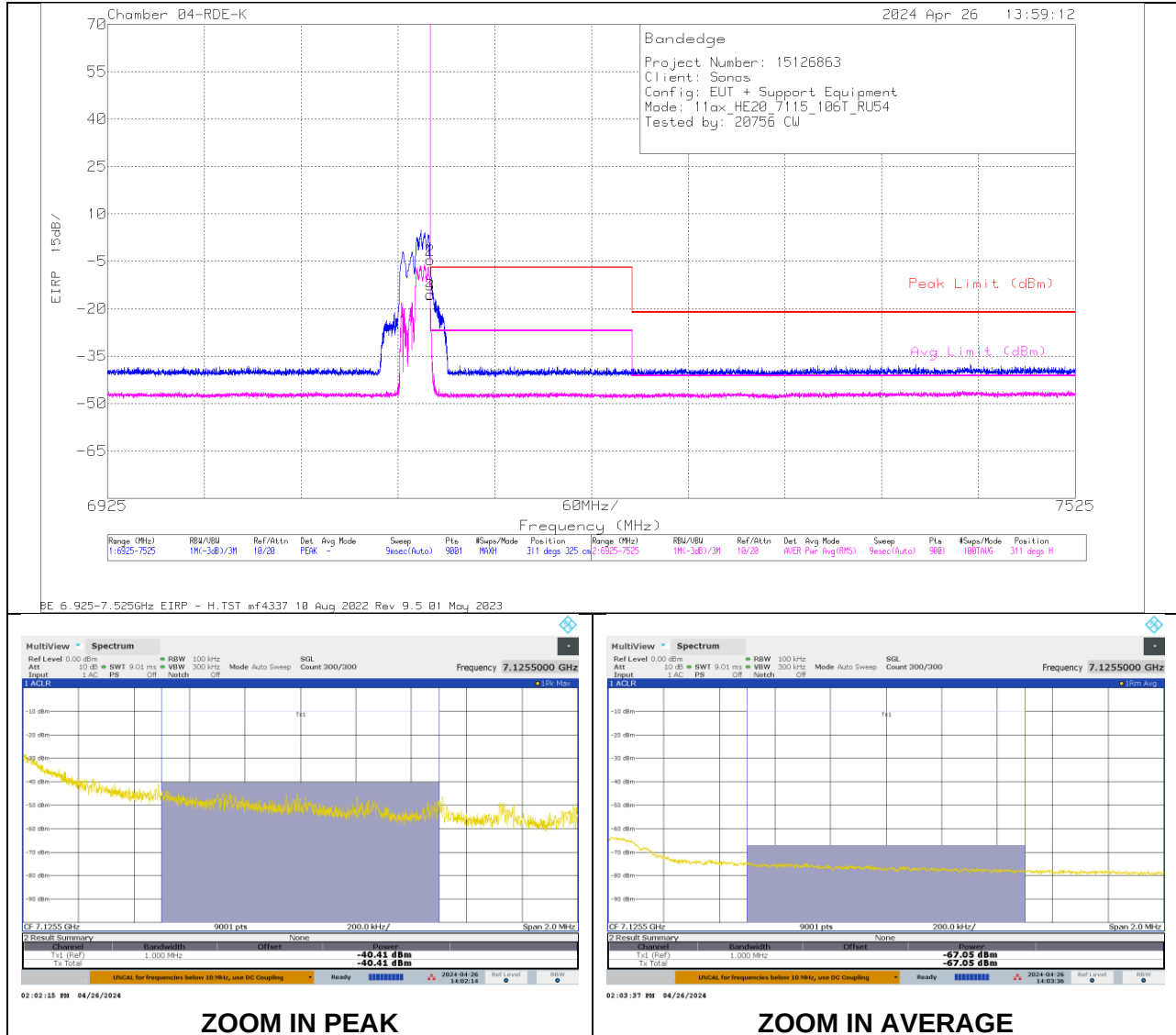
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7125	-48.54	Pk	35.9	-29.2	11.8	0	-30.04	-7	-23.04	-	-	247	269	V
3	7125	-66.42	RMS	35.9	-29.2	11.8	.74	-47.18	-	-	-27	-20.18	247	269	V

Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 3 OFDMA MODE: 106-Tones, RU Index 54

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

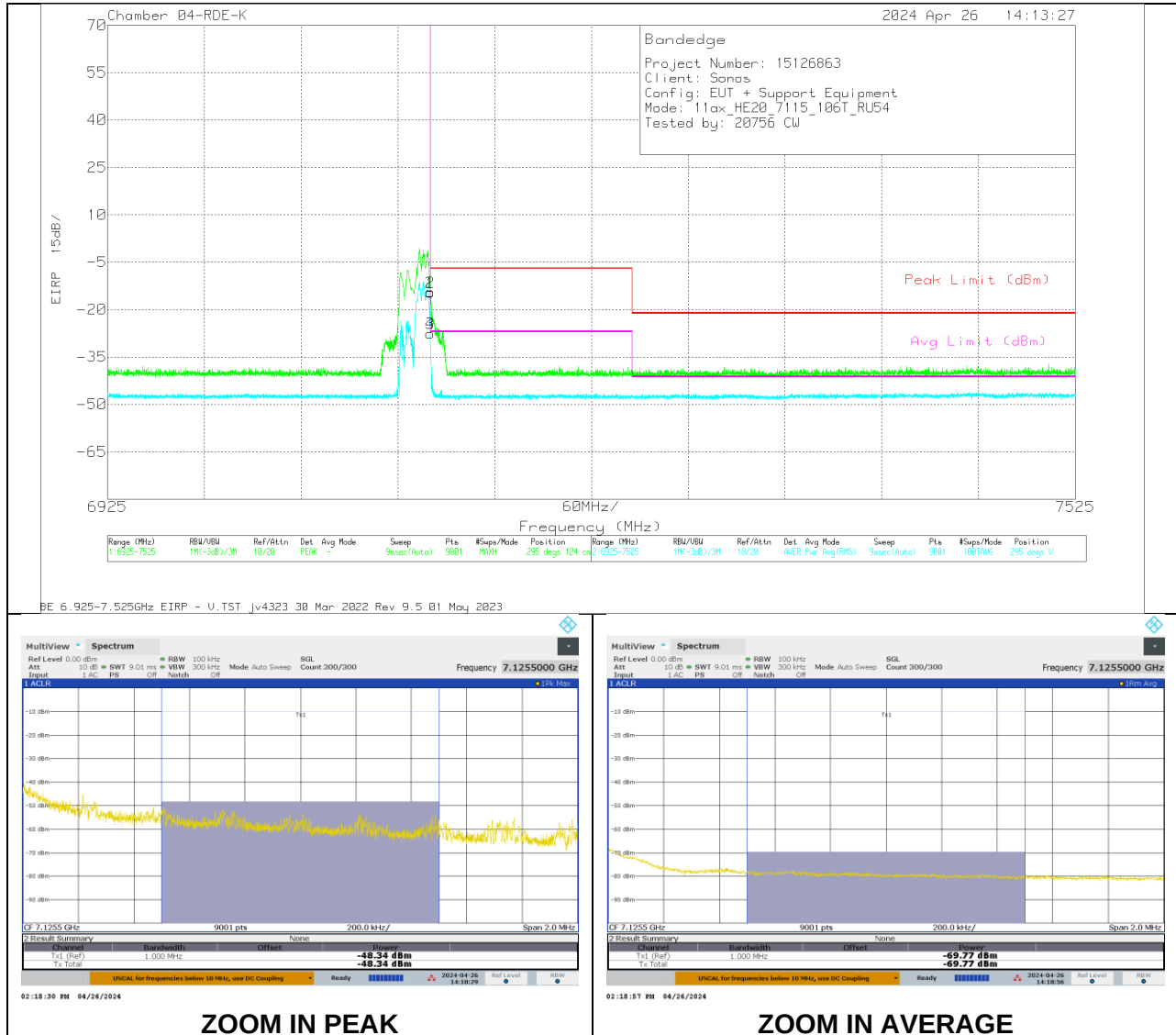


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404 ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7125	-40.41	Pk	35.9	-29.2	11.8	0	-21.91	-7	-14.91	-	-	311	325	H
3	7125	-67.05	RMS	35.9	-29.2	11.8	3.77	-44.78	-	-	-27	-17.78	311	325	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7125	-48.34	Pk	35.9	-29.2	11.8	0	-29.84	-7	-22.84	-	-	295	124	V
3	7125	-69.77	RMS	35.9	-29.2	11.8	3.77	-47.5	-	-	-27	-20.5	295	124	V

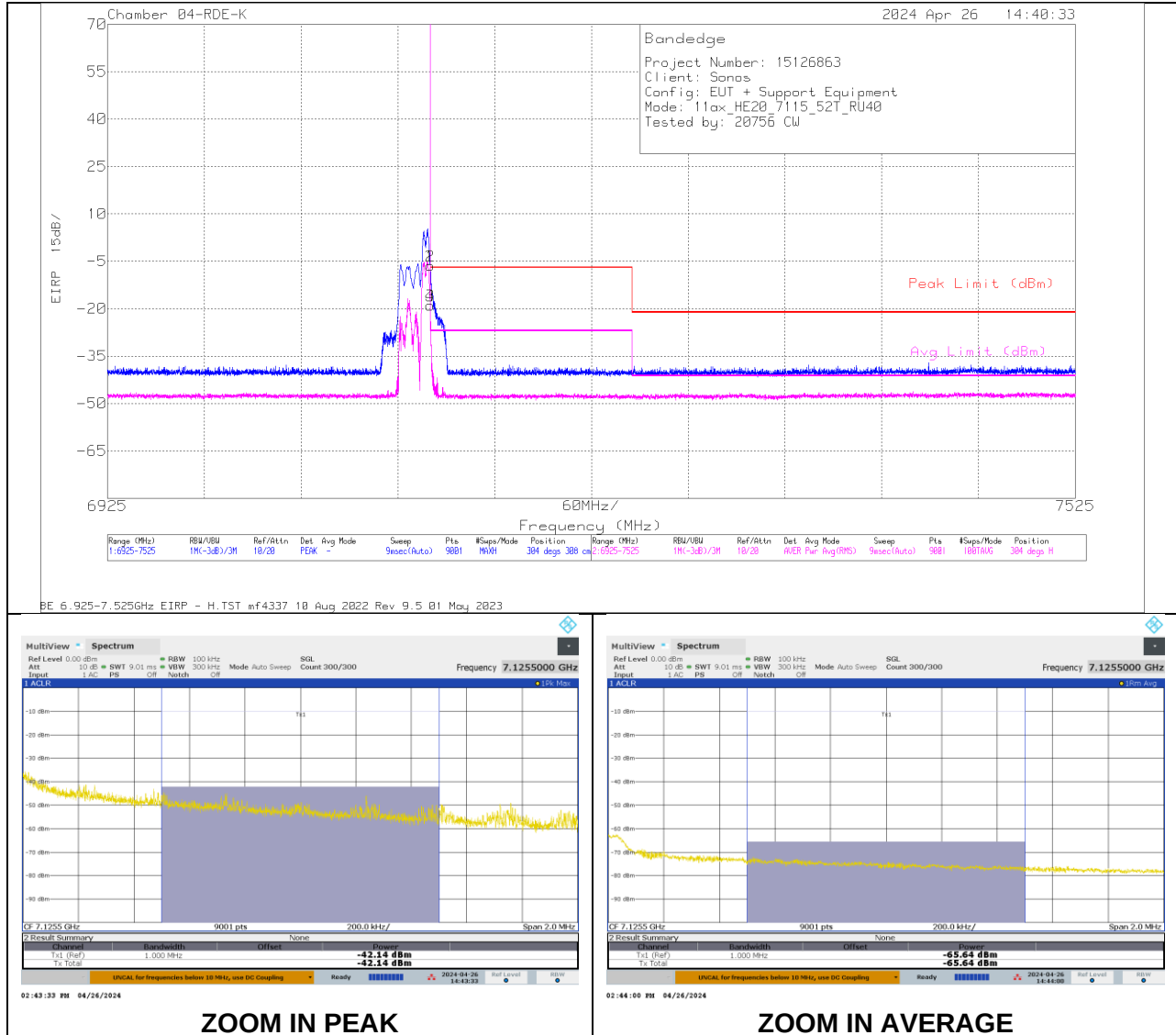
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 3 OFDMA MODE: 52-Tones, RU Index 40

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

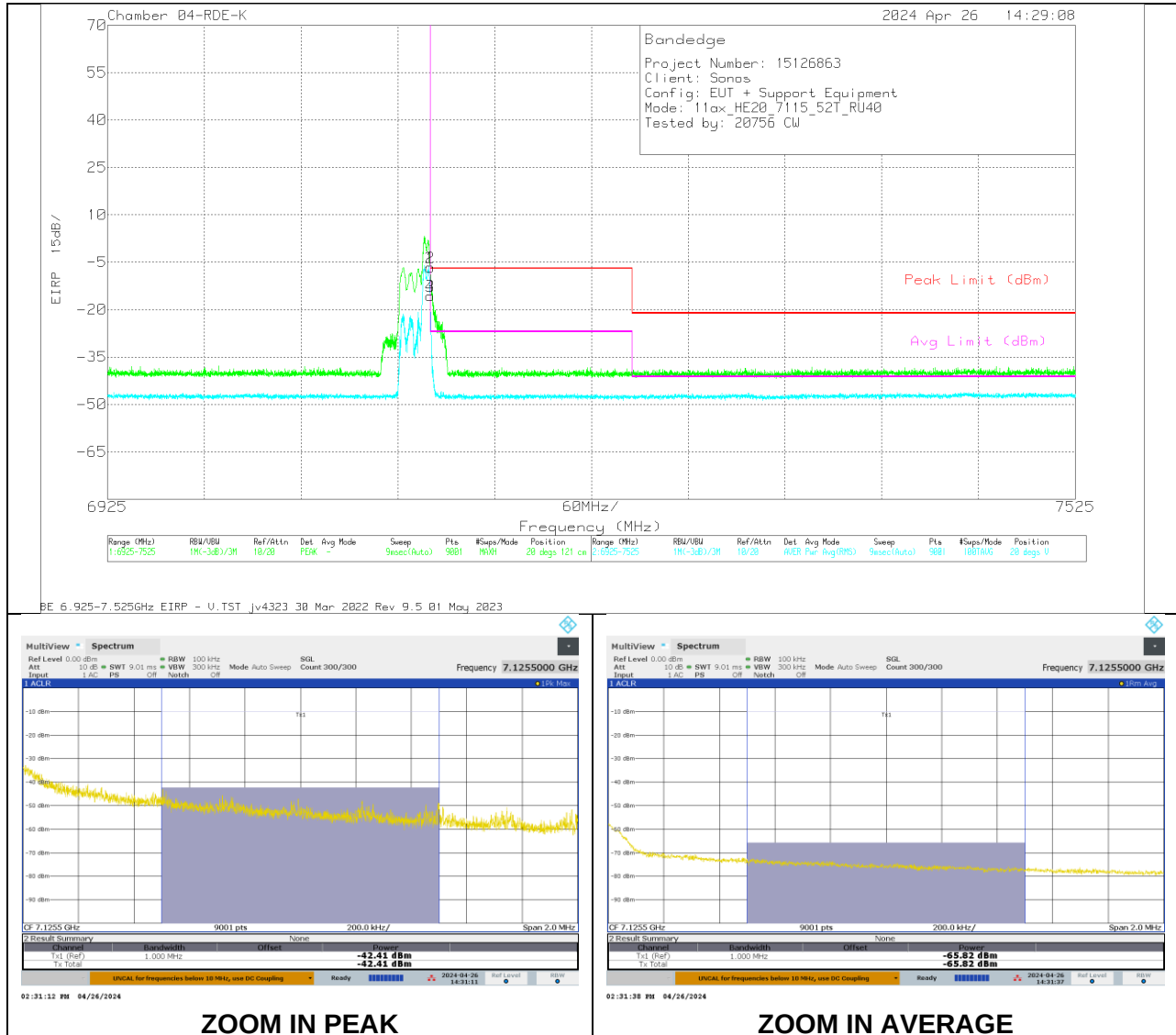


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7125	-42.14	Pk	35.9	-29.2	11.8	0	-23.64	-7	-16.64	-	-	304	308	H
3	7125	-65.64	RMS	35.9	-29.2	11.8	3.46	-43.68	-	-	-27	-16.68	304	308	H

PK - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7125	-42.41	Pk	35.9	-29.2	11.8	0	-23.91	-7	-16.91	-	-	20	121	V
3	7125	-65.82	RMS	35.9	-29.2	11.8	3.46	-43.86	-	-	-27	-16.86	20	121	V

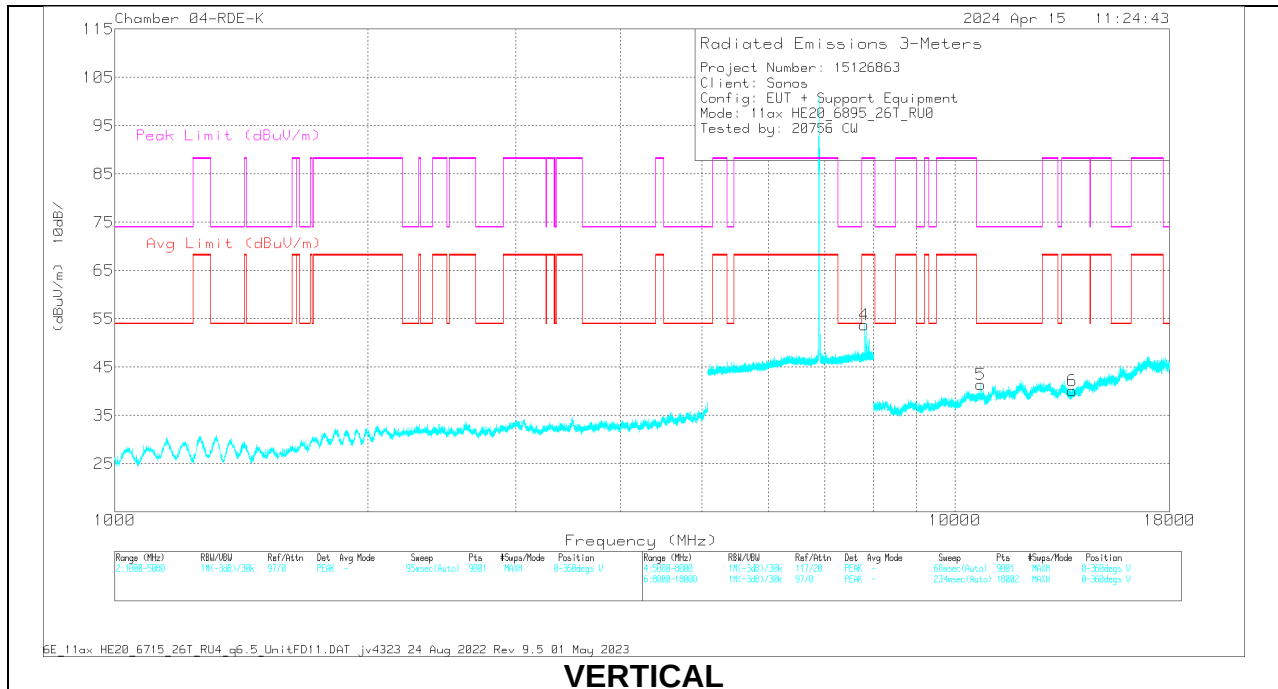
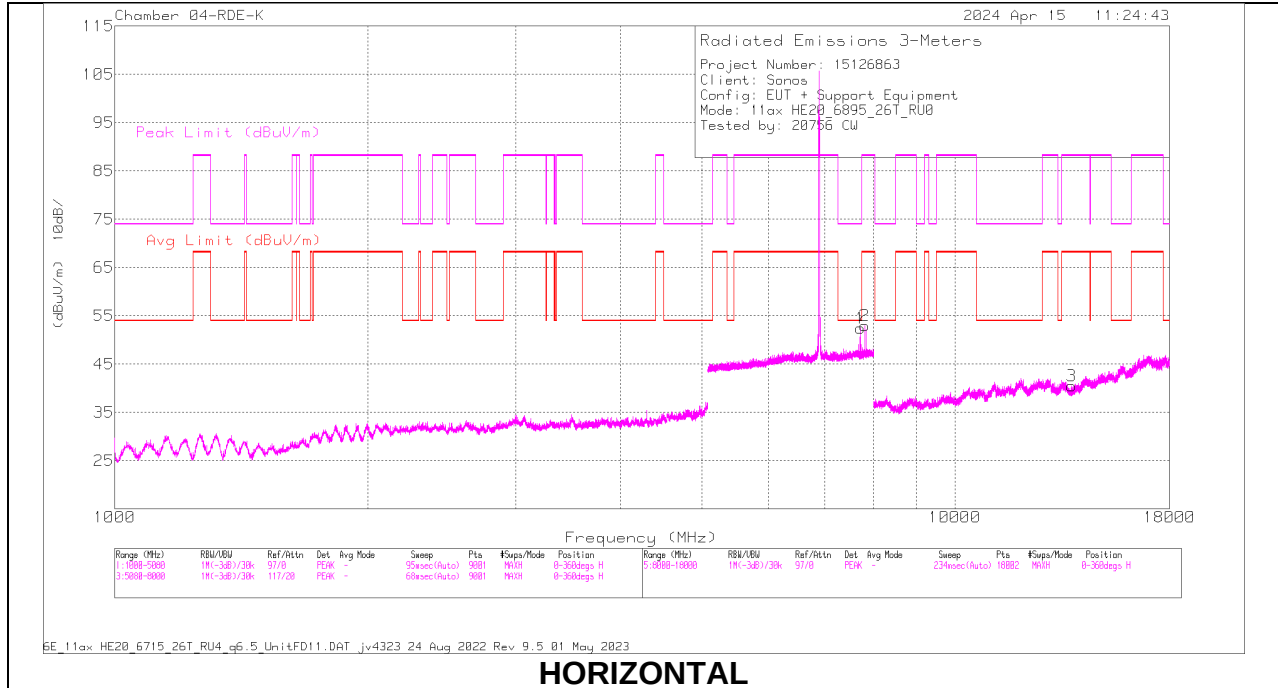
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 0

HARMONICS AND SPURIOUS EMISSIONS

LOW



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 10742.659	48.38	PK-U	37.9	-36.7	0	49.58	-	-	74	-24.42	20	155	V
	* 10741.212	36.52	ADR	38	-36.7	3.03	40.85	54	-13.15	-	-	20	155	V
3	13762.735	46.63	PK-U	38.6	-35.4	0	49.83	-	-	88.2	-38.37	268	393	H
	13763.178	34.68	ADR	38.7	-35.4	3.03	41.01	68.2	-27.19	-	-	268	393	H
6	13785.817	34.89	ADR	38.7	-35.4	3.03	41.22	68.2	-26.98	-	-	341	111	V
	13786.038	47.08	PK-U	38.6	-35.4	0	50.28	-	-	88.2	-37.92	341	111	V
1	* 7722.437	50.33	PK-U	35.9	-28.9	0	57.33	-	-	74	-16.67	353	112	H
	* 7724.304	38.2	ADR	35.8	-28.8	3.03	48.23	54	-5.77	-	-	353	112	H
4	7801.946	50.24	PK-U	36.1	-28.5	0	57.84	-	-	88.2	-30.36	346	188	V
	7804.9	38.15	ADR	36.1	-28.6	3.03	48.68	68.2	-19.52	-	-	346	188	V
2	7814.758	38.52	ADR	36	-28.5	3.03	49.05	68.2	-19.15	-	-	352	330	H
	7814.864	52.03	PK-U	36	-28.5	0	59.53	-	-	88.2	-28.67	352	330	H

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

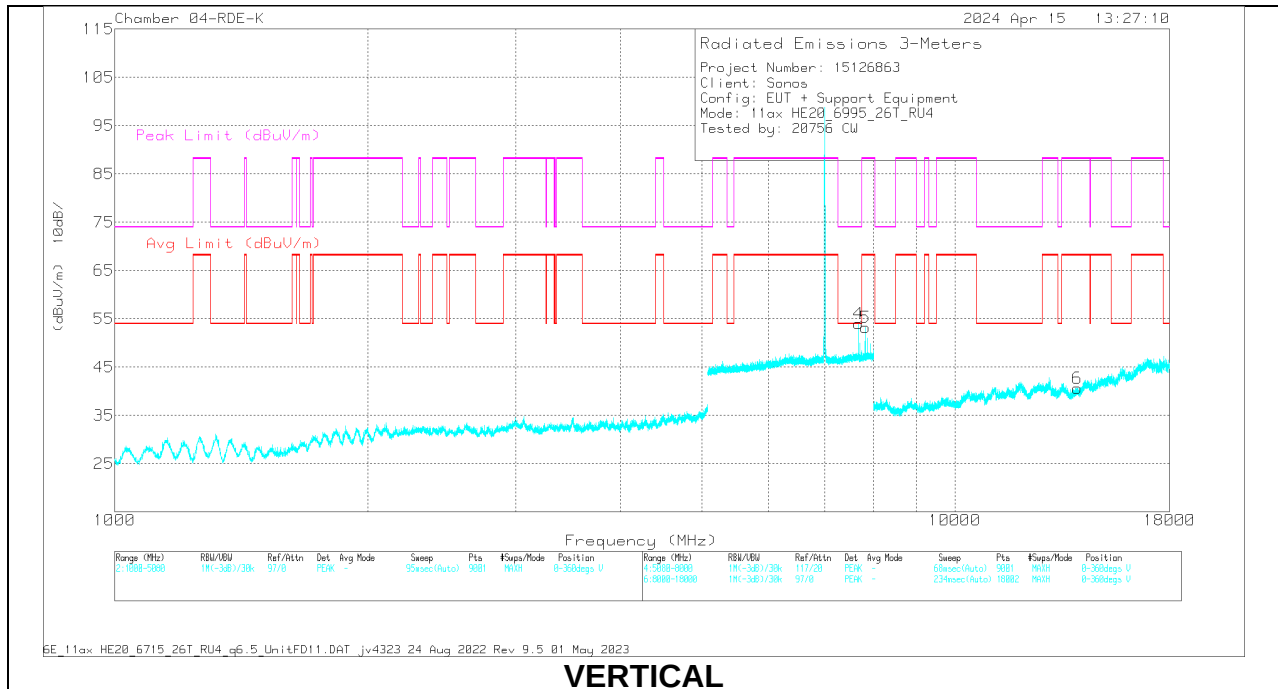
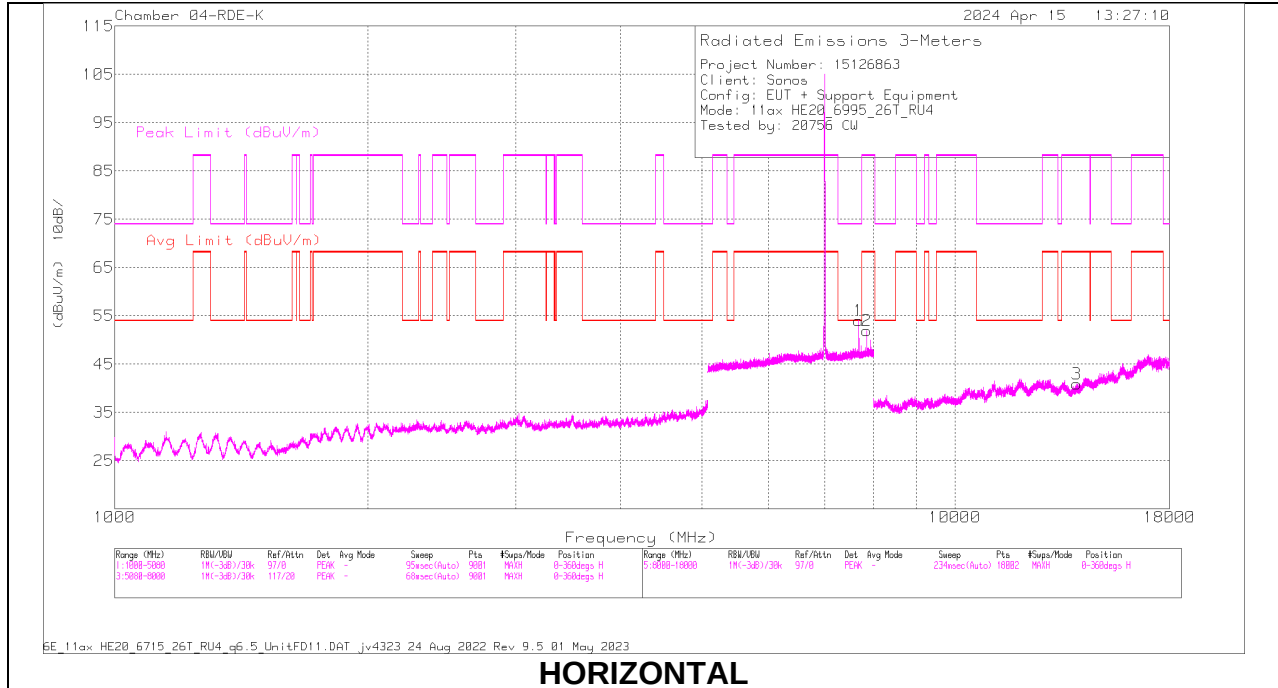
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 4

HARMONICS AND SPURIOUS EMISSIONS

MID



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	13969.674	35.54	ADR	38.7	-36.1	3.03	41.17	68.2	-27.03	-	-	356	269	H
	13970.158	47.56	PK-U	38.8	-36.1	0	50.26	-	-	88.2	-37.94	356	269	H
6	13983.614	47.89	PK-U	39	-36.2	0	50.69	-	-	88.2	-37.51	147	366	V
	13985.968	35.68	ADR	39	-36.2	3.03	41.51	68.2	-26.69	-	-	147	366	V
1	* 7680.454	50.23	PK-U	35.8	-28.9	0	57.13	-	-	74	-16.87	251	387	V
	* 7681.533	38.42	ADR	35.8	-28.9	3.03	48.35	54	-5.65	-	-	251	387	V
4	* 7682.535	38.26	ADR	35.8	-28.9	3.03	48.19	54	-5.81	-	-	87	126	H
	* 7683.778	51.2	PK-U	35.9	-28.9	0	58.2	-	-	74	-15.8	87	126	H
5	7821.507	49.79	PK-U	35.9	-28.4	0	57.29	-	-	88.2	-30.91	10	188	V
	7821.636	38.05	ADR	35.9	-28.4	3.03	48.58	68.2	-19.62	-	-	10	188	V
2	7846.634	51.16	PK-U	36.1	-28.3	0	58.96	-	-	88.2	-29.24	54	262	H
	7846.723	38.05	ADR	36.1	-28.3	3.03	48.88	68.2	-19.32	-	-	54	262	H

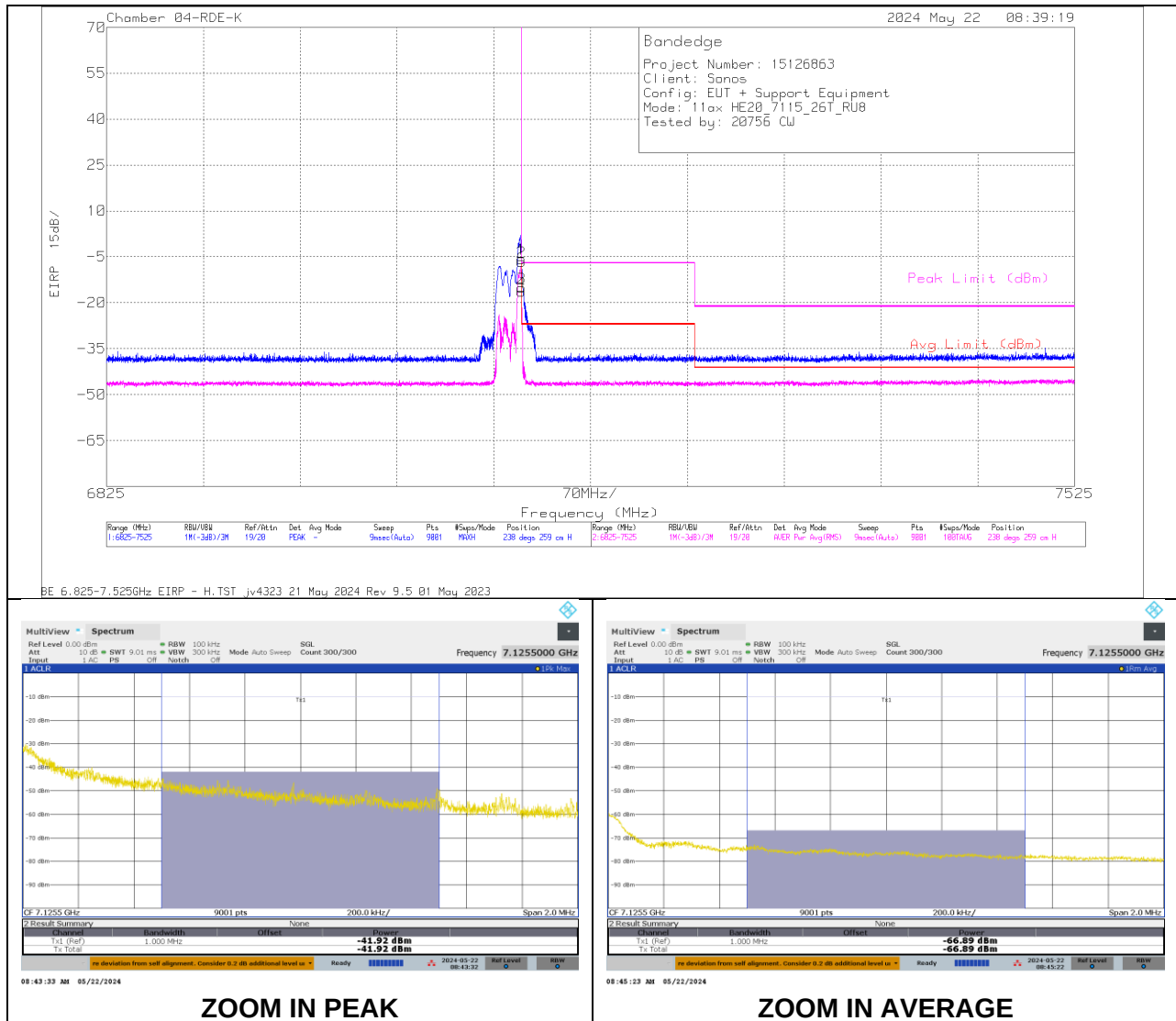
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 1 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 8

BANDEDGE (HIGH CHANNEL)
HORIZONTAL RESULT

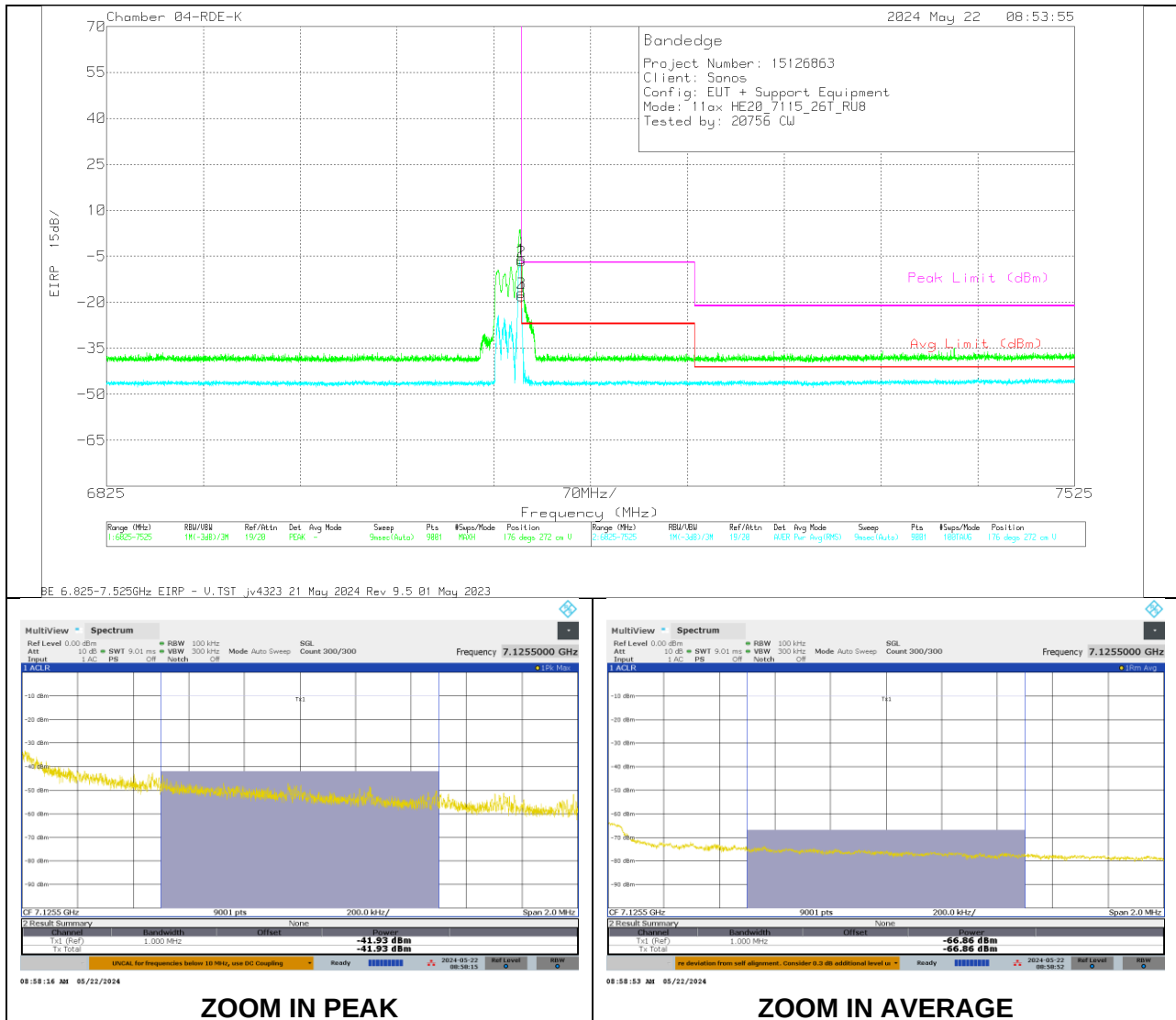


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7125	-41.92	Pk	35.9	-29.2	11.8	0	-23.42	-	-	-7	-16.42	238	259	H
3	7125	-66.89	RMS	35.9	-29.2	11.8	3.03	-45.36	-27	-18.36	-	-	238	259	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



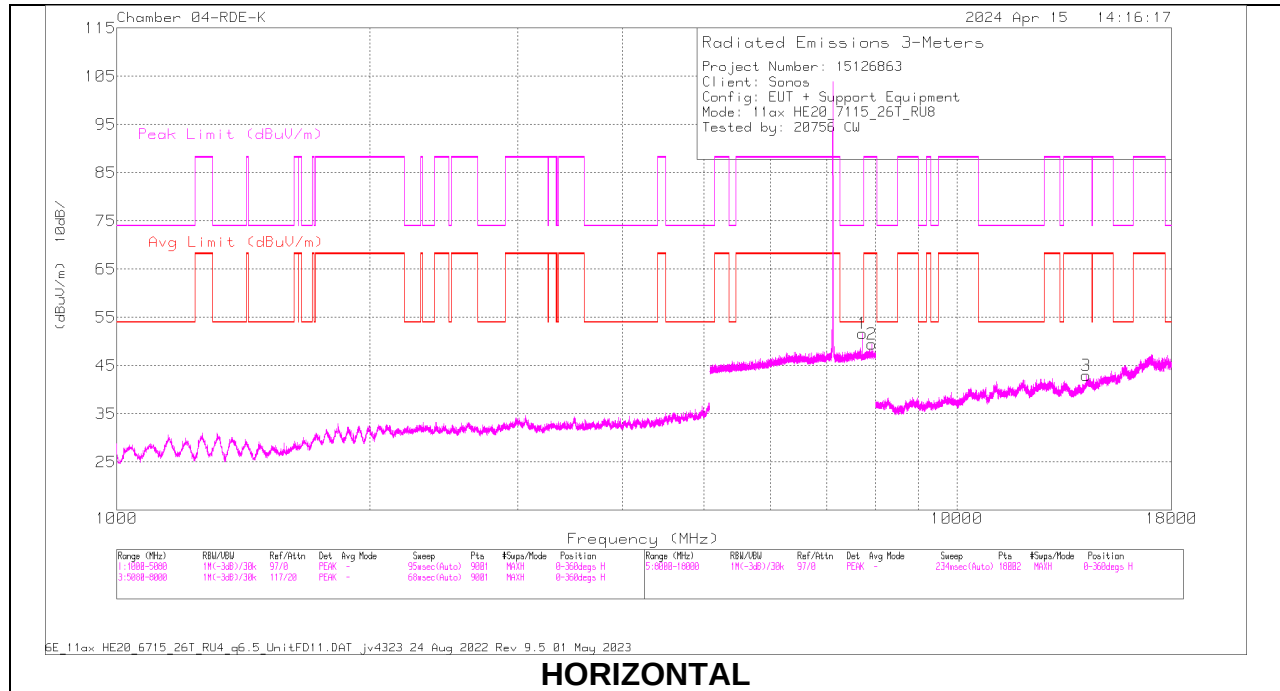
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7125	-41.93	PK	35.9	-29.2	11.8	0	-23.43	-	-	-7	-16.43	176	272	V
3	7125	-66.86	RMS	35.9	-29.2	11.8	3.03	-45.33	-27	-18.33	-	-	176	272	V

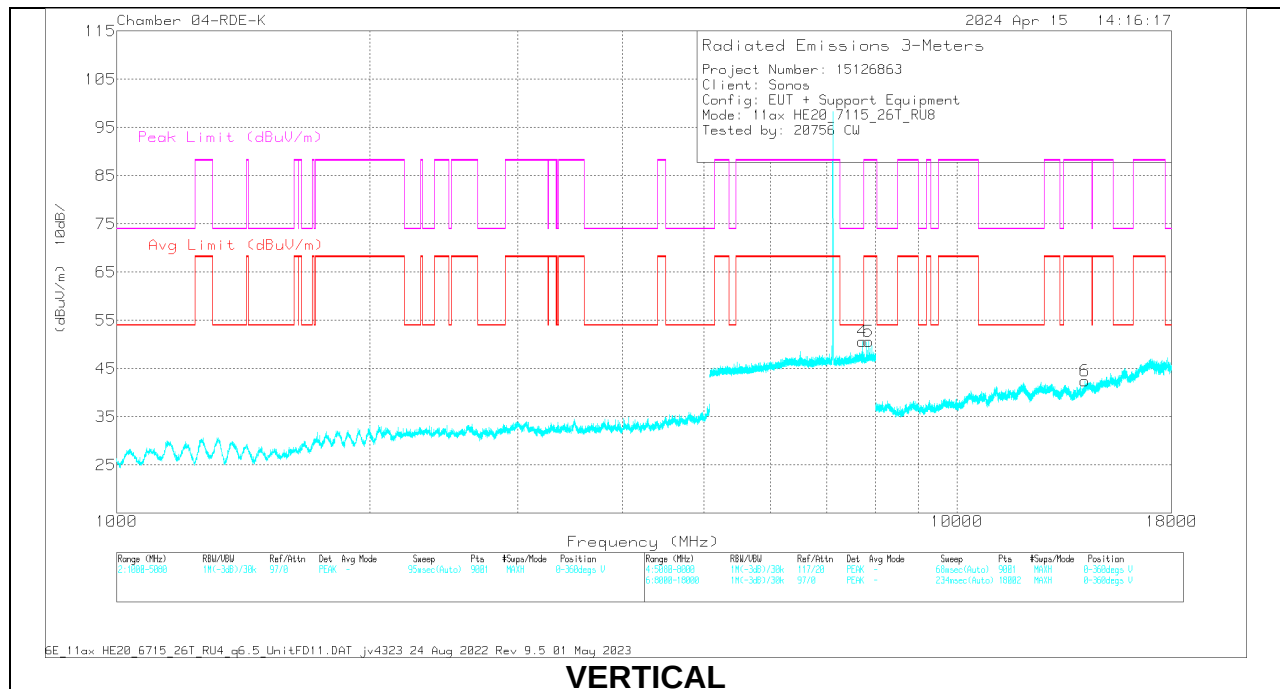
PK - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

HIGH



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	14195.334	47.13	PK-U	39.1	-35.8	0	50.43	-	-	88.2	-37.77	98	118	V
	14196.329	35.16	ADR	39.2	-35.8	3.03	41.59	68.2	-26.61	-	-	98	118	V
3	14254.823	47.57	PK-U	39.2	-36	0	50.77	-	-	88.2	-37.43	358	174	H
	14255.142	35.71	ADR	39.2	-36	3.03	41.94	68.2	-26.26	-	-	358	174	H
1	* 7714.872	38.31	ADR	35.9	-28.8	3.03	48.44	54	-5.56	-	-	144	240	H
	* 7717.494	49.93	PK-U	35.9	-28.8	0	57.03	-	-	74	-16.97	144	240	H
4	* 7723.492	50.41	PK-U	35.9	-28.9	0	57.41	-	-	74	-16.59	79	394	V
	* 7725.152	38.48	ADR	35.9	-28.8	3.03	48.61	54	-5.39	-	-	79	394	V
5	7846.718	38.1	ADR	36.1	-28.3	3.03	48.93	68.2	-19.27	-	-	284	264	V
	7846.817	50.51	PK-U	36.1	-28.3	0	58.31	-	-	88.2	-29.89	284	264	V
2	7923.589	50.14	PK-U	35.8	-28.2	0	57.74	-	-	88.2	-30.46	336	247	H
	7923.629	38.08	ADR	35.8	-28.2	3.03	48.71	68.2	-19.49	-	-	336	247	H

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

PK-U - U-NII: Maximum Peak

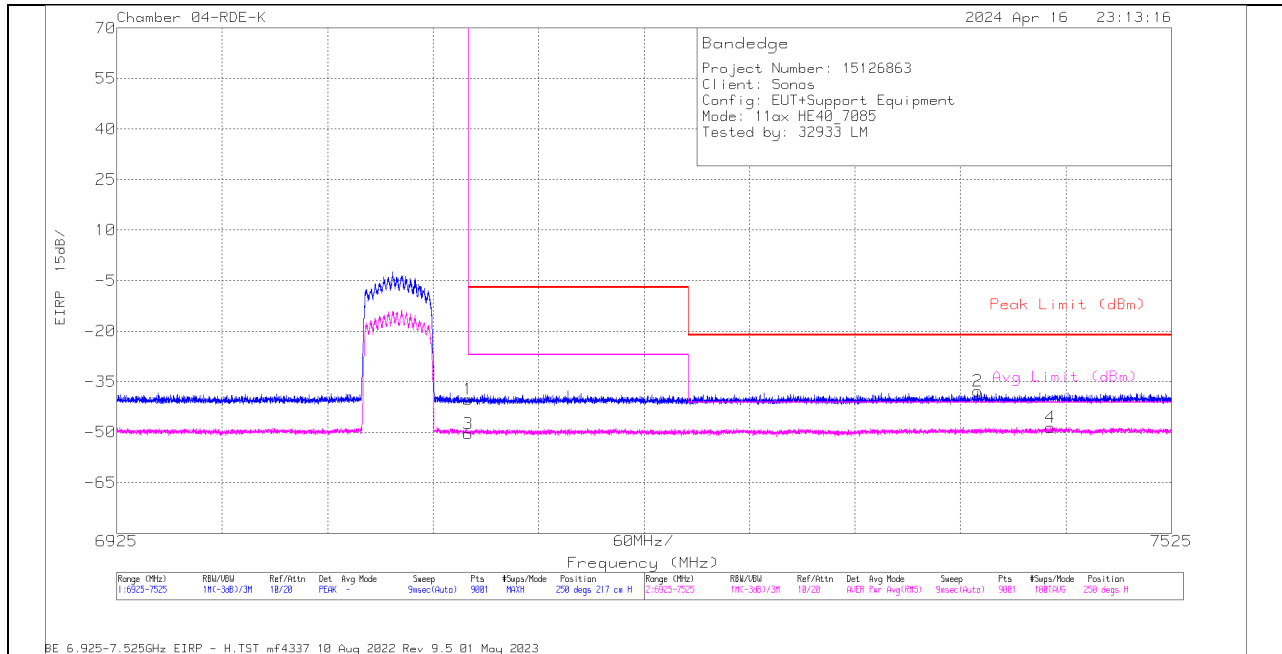
ADR - U-NII AD primary method, RMS average

10.1.1. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE UNII-8 BAND

2TX Antenna 1 + Antenna 3 OFDMA MODE: SU, Single User

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

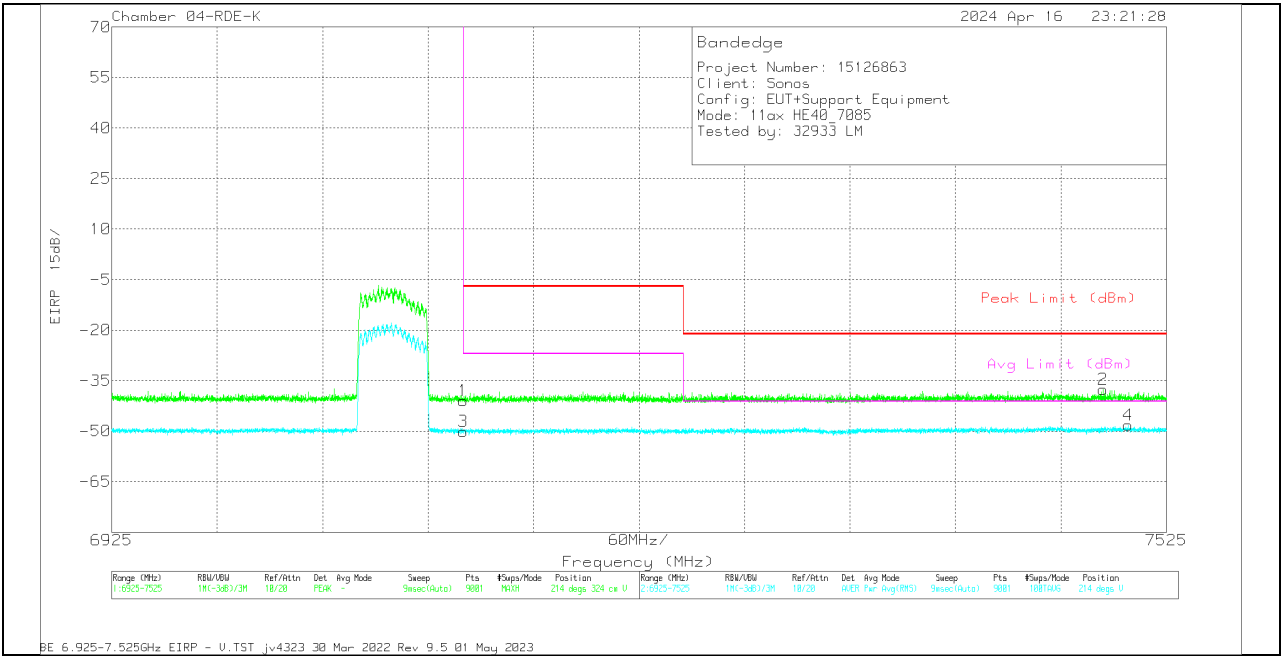


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 7414.669	-56.96	Pk	36	-28.7	11.8	0	-37.86	-21.2	-16.66	-	-	250	217	H
4	* 7456.336	-69.25	RMS	36.2	-28.6	11.8	1.35	-48.5	-	-	-41.2	-7.3	250	217	H
1	7125	-58.78	Pk	35.9	-29.2	11.8	0	-40.28	-7	-33.28	-	-	250	217	H
3	7125	-70.38	RMS	35.9	-29.2	11.8	1.35	-50.53	-	-	-27	-23.53	250	217	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 (dBm)	Det	80404_ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 7488.936	-56.79	Pk	36	-28.6	11.8	0	-37.59	-21.2	-16.39	-	-	214	324	V
4	* 7503.203	-68.67	RMS	36	-28.7	11.8	1.35	-48.22	-	-	-41.2	-7.02	214	324	V
1	7125	-59.43	Pk	35.9	-29.2	11.8	0	-40.93	-7	-33.93	-	-	214	324	V
3	7125	-69.86	RMS	35.9	-29.2	11.8	1.35	-50.01	-	-	-27	-23.01	214	324	V

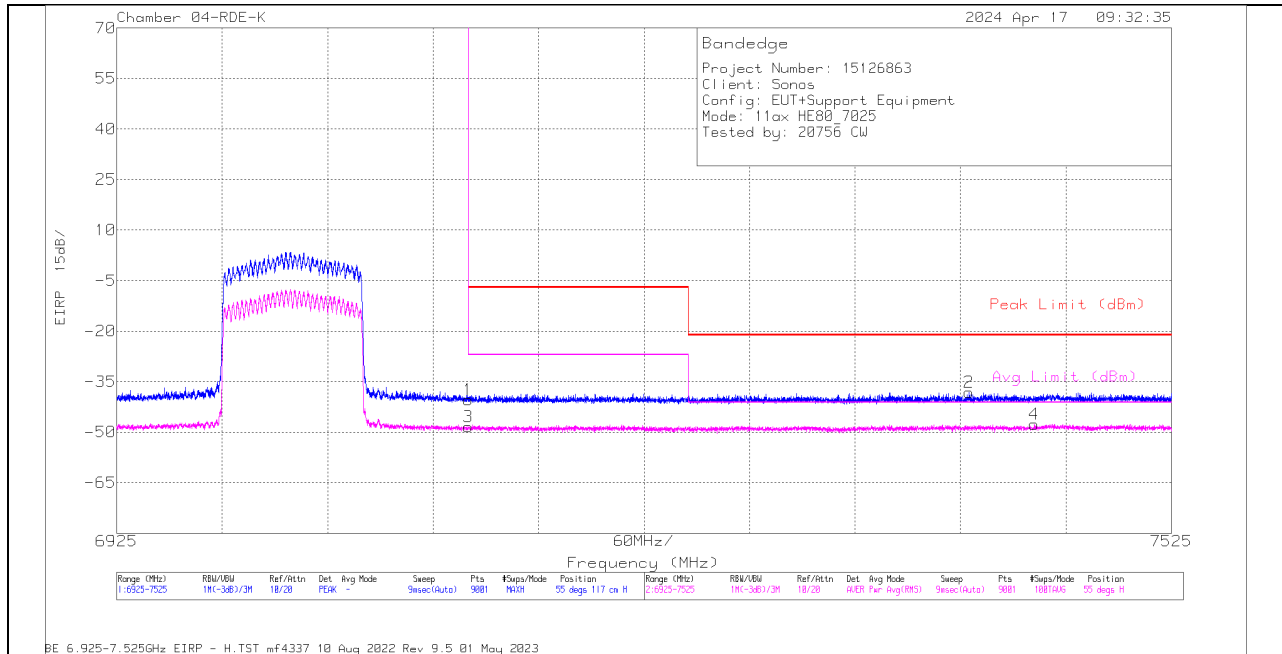
Pk - Peak detector
RMS - RMS detection

10.1.2. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-8 BAND

2TX Antenna 1 + Antenna 3 OFDMA MODE: SU, Single User

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



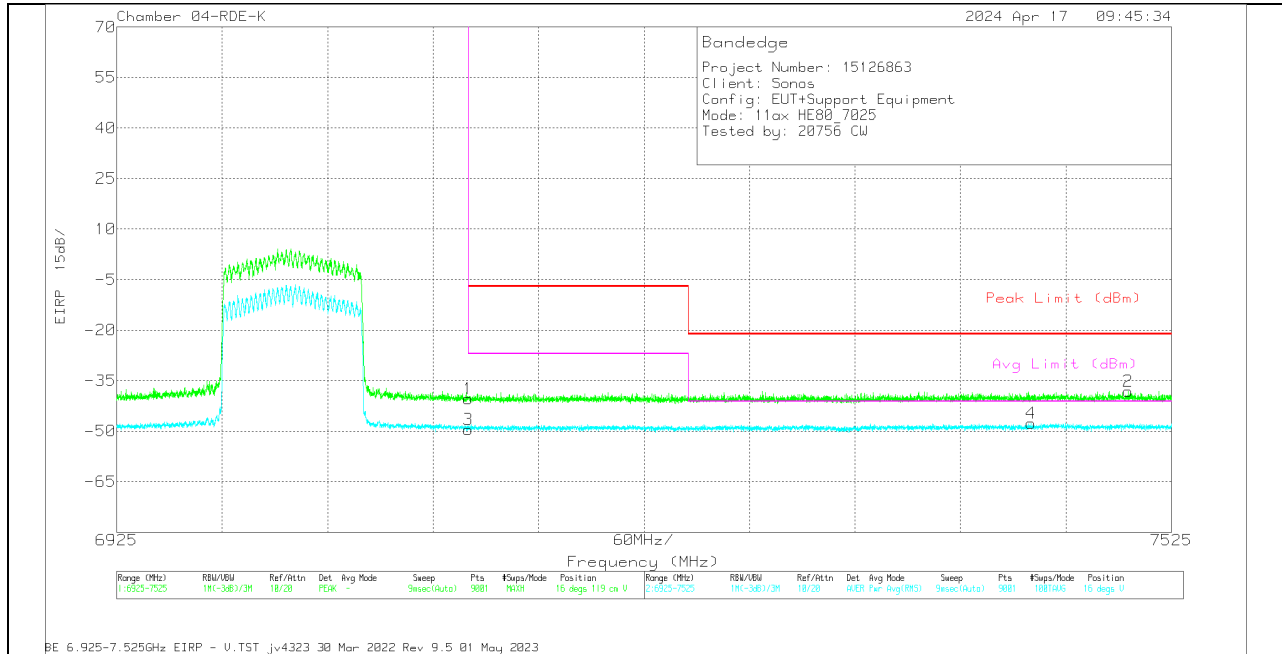
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 7409.802	-57.24	Pk	36	-28.7	11.8	0	-38.14	-21.2	-16.94	-	-	55	117	H
4	* 7447.003	-69.16	RMS	35.9	-28.6	11.8	2.38	-47.68	-	-	-41.2	-6.48	55	117	H
1	7125	-58.83	Pk	35.9	-29.2	11.8	0	-40.33	-7	-33.33	-	-	55	117	H
3	7125	-69.35	RMS	35.9	-29.2	11.8	2.38	-48.47	-	-	-27	-21.47	55	117	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

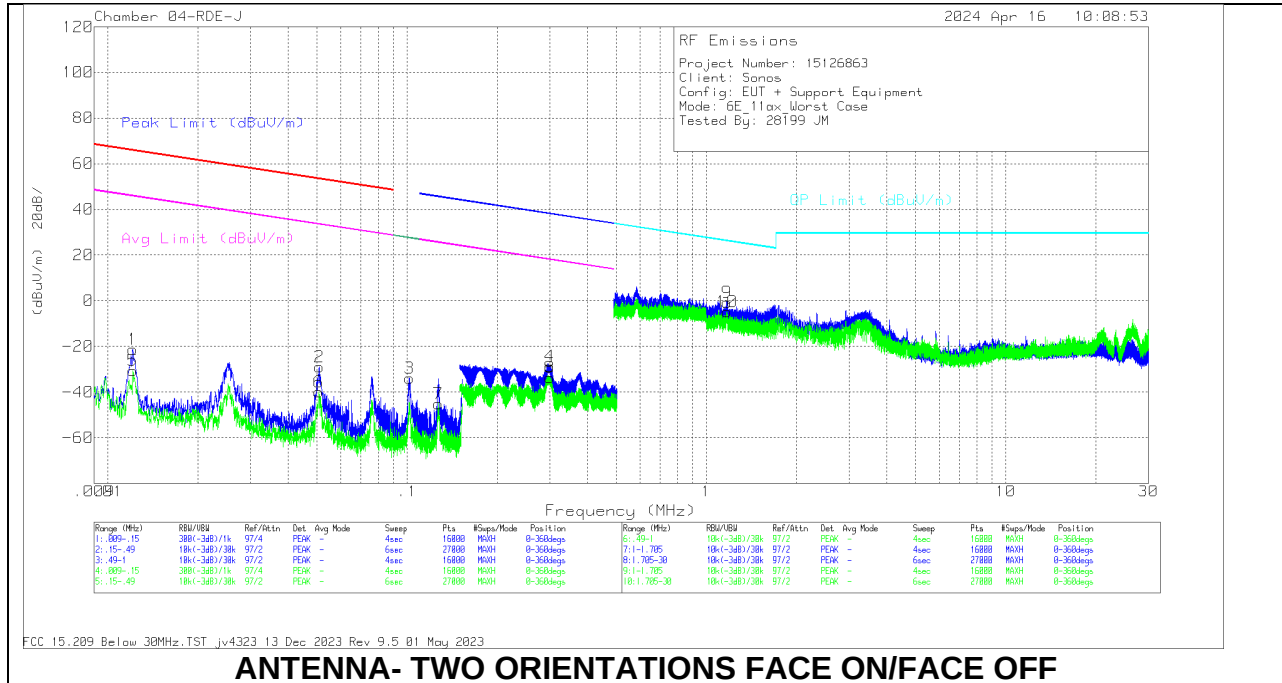
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Avg Limit (dBm)	RMS Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 7500.27	-57.43	Pk	36.1	-28.6	11.8	0	-38.13	-21.2	-16.93	-	-	16	119	V
4	* 7445.069	-69.06	RMS	35.8	-28.6	11.8	2.38	-47.68	-	-	-41.2	-6.48	16	119	V
1	7125	-58.8	Pk	35.9	-29.2	11.8	0	-40.3	-7	-33.3	-	-	16	119	V
3	7125	-70.43	RMS	35.9	-29.2	11.8	2.38	-49.55	-	-	-27	-22.55	16	119	V

Pk - Peak detector

RMS - RMS detection

10.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

Below 30MHz Data

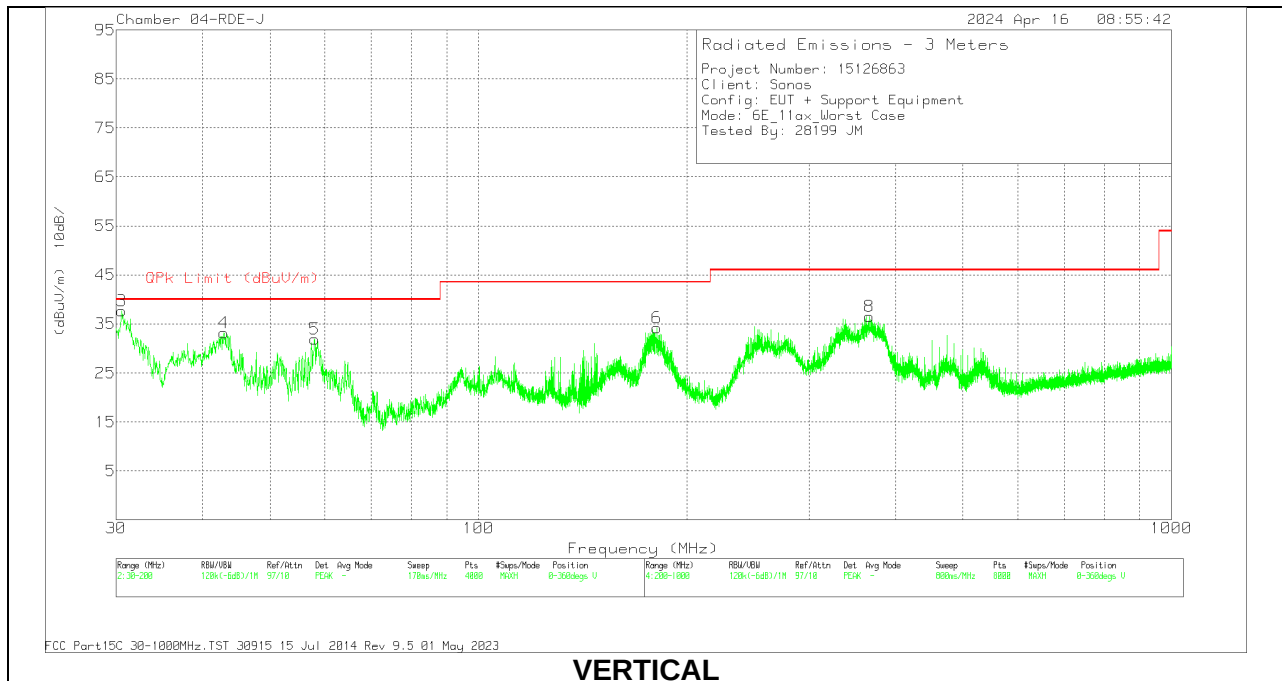
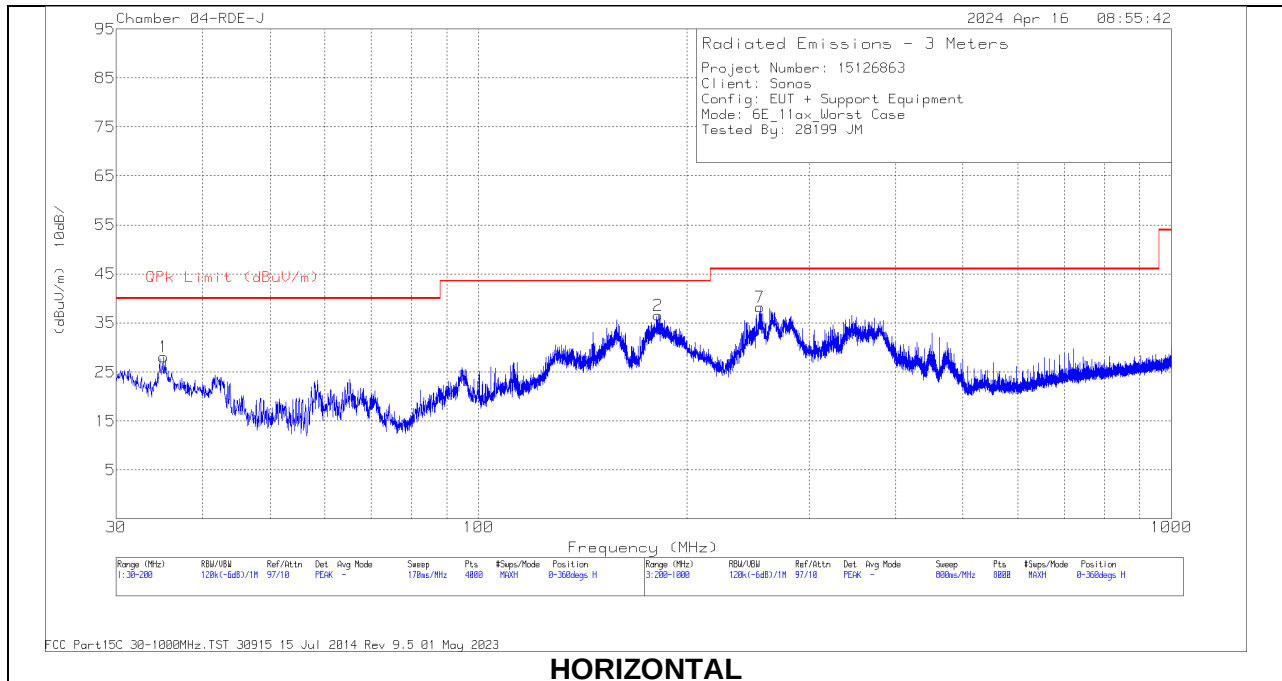
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF)	CBL/AMP (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.0121	29.14	Pk	60	-30.4	-80	-21.26	65.92	-87.18	45.92	-67.18	-	-	-	-	-	-	0-360
5	.0121	19.84	Pk	60	-30.4	-80	-30.56	65.91	-96.47	45.91	-76.47	-	-	-	-	-	-	0-360
6	.0507	14.75	Pk	56.9	-31.7	-80	-40.05	53.48	-93.53	33.48	-73.53	-	-	-	-	-	-	0-360
2	.0508	25.73	Pk	56.9	-31.7	-80	-29.07	53.46	-82.53	33.46	-62.53	-	-	-	-	-	-	0-360
3	.1017	23.09	Pk	55.5	-32.5	-80	-33.91	-	-	-	-	27.47	-61.38	-	-	-	-	0-360
7	.1272	11.62	Pk	55.7	-32.5	-80	-45.18	-	-	-	-	-	-	45.53	-90.71	25.53	-70.71	0-360
4	.3001	27.26	Pk	56.1	-32.1	-80	-28.74	-	-	-	-	-	-	38.07	-66.81	18.07	-46.81	0-360
8	.3003	22.3	Pk	56.1	-32.1	-80	-33.7	-	-	-	-	-	-	38.06	-71.76	18.06	-51.76	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF)	CBL/AMP (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
9	1.1701	25.7	Pk	45.7	-32.1	-40	-7	26.26	-26.96	0-360
10	1.1705	21.62	Pk	45.7	-32.1	-40	-4.78	26.26	-31.04	0-360

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ



Below 1 GHz DATA

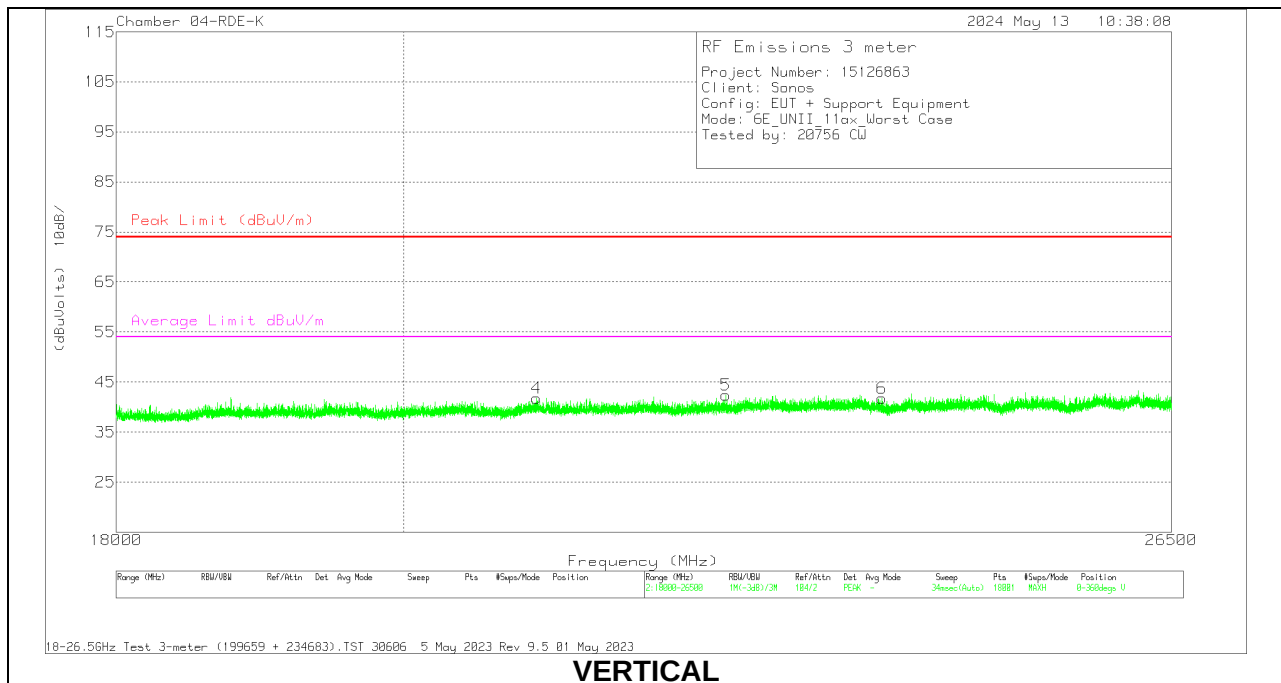
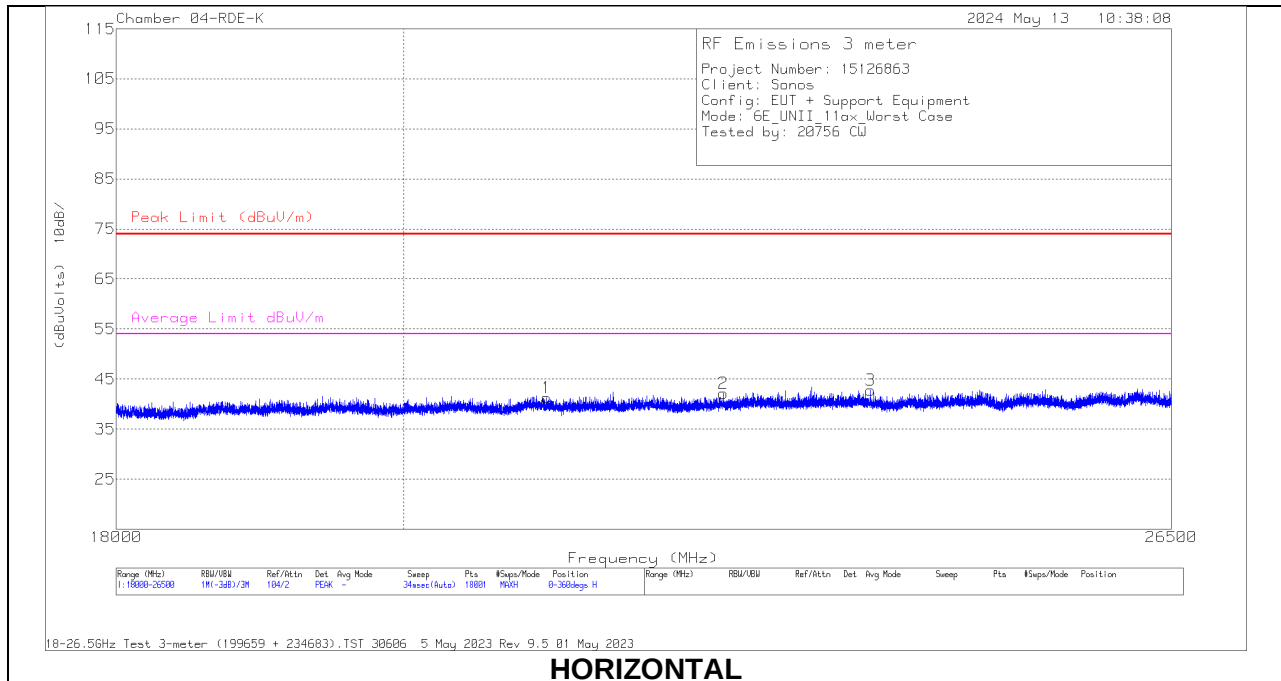
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	35.1438	36.68	Pk	23.1	-31.7	28.08	40	-11.92	0-360	99	H
2	181.594	50.38	Pk	17	-30.8	36.58	43.52	-6.94	0-360	99	H
3	30.6085	39.87	Qp	26.3	-31.8	34.37	40	-5.63	326	106	V
4	42.8808	47.18	Pk	17.7	-31.7	33.18	40	-6.82	0-360	100	V
5	57.9722	50.25	Pk	13.2	-31.5	31.95	40	-8.05	0-360	100	V
6	180.829	48.03	Pk	17	-30.8	34.23	43.52	-9.29	0-360	100	V
7	* 254.807	51.24	Pk	17.5	-30.5	38.24	46.02	-7.78	0-360	99	H
8	366.322	45.92	Pk	20.8	-30.2	36.52	46.02	-9.5	0-360	99	V

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

Pk - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHZ

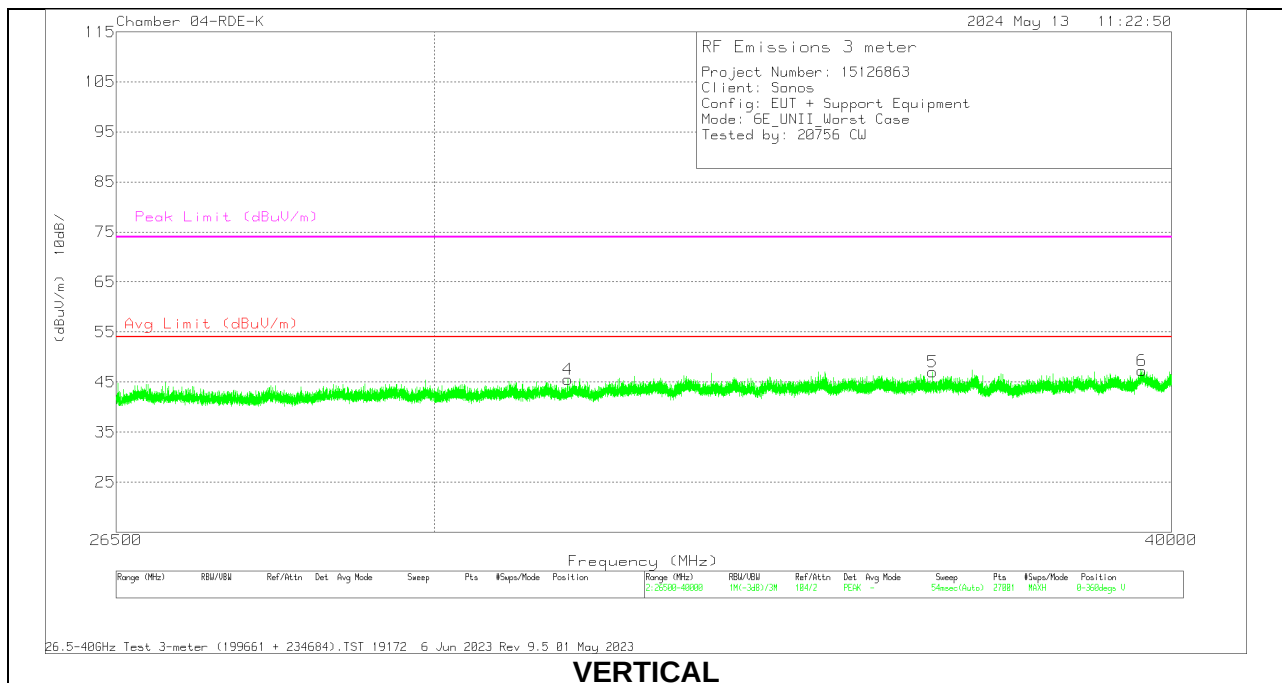
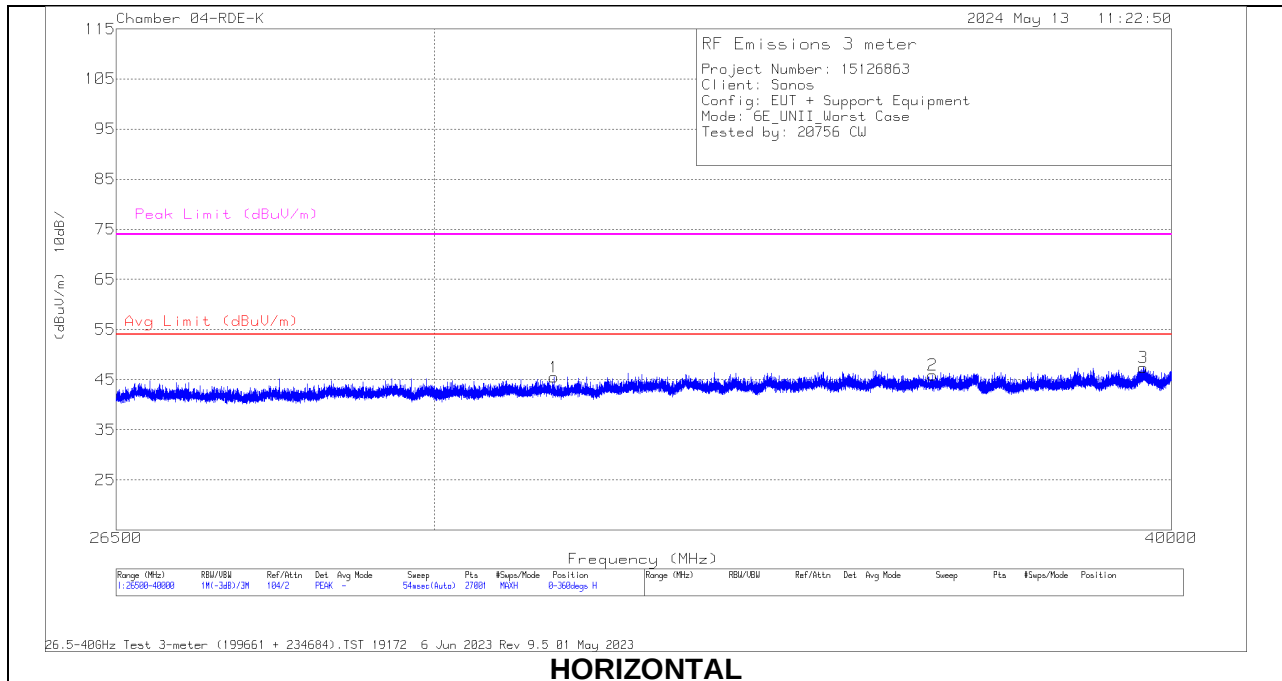


18-26 GHz DATA

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	* 21077.943	50.43	Pk	33	-61.5	19.3	41.23	74	-32.77	-	-	0-360	200	H
2	* 22486.109	51.66	Pk	33.3	-62.6	19.8	42.16	74	-31.84	-	-	0-360	200	H
3	* 23733.247	51.36	Pk	33.6	-62.6	20.4	42.76	74	-31.24	-	-	0-360	200	H
4	* 20998.137	50.58	Pk	33	-61	19.2	41.78	74	-32.22	-	-	0-360	199	V
5	* 22505.942	51.87	Pk	33.3	-62.6	19.8	42.37	74	-31.63	-	-	0-360	199	V
6	* 23831.942	50.23	Pk	33.6	-62.5	20.4	41.73	74	-32.27	-	-	0-360	199	V

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

10.5. WORST CASE 26-40 GHZ



26-40 GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	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	* 31438	46.88	Pk	36.6	-61.7	23.7	45.48	-	-	74	-28.52	0-360	101	H
2	* 36441.5	45.23	Pk	37.6	-62.8	25.9	45.93	-	-	74	-28.07	0-360	101	H
3	* 39560.5	45.34	Pk	38.3	-63.4	27.2	47.44	-	-	74	-26.56	0-360	200	H
4	* 31606	46.45	Pk	36.6	-61.3	23.8	45.55	-	-	74	-28.45	0-360	101	V
5	* 36444	46.36	Pk	37.6	-62.8	25.9	47.06	-	-	74	-26.94	0-360	101	V
6	* 39540.5	45.21	Pk	38.3	-63.4	27.2	47.31	-	-	74	-26.69	0-360	200	V

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

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	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.

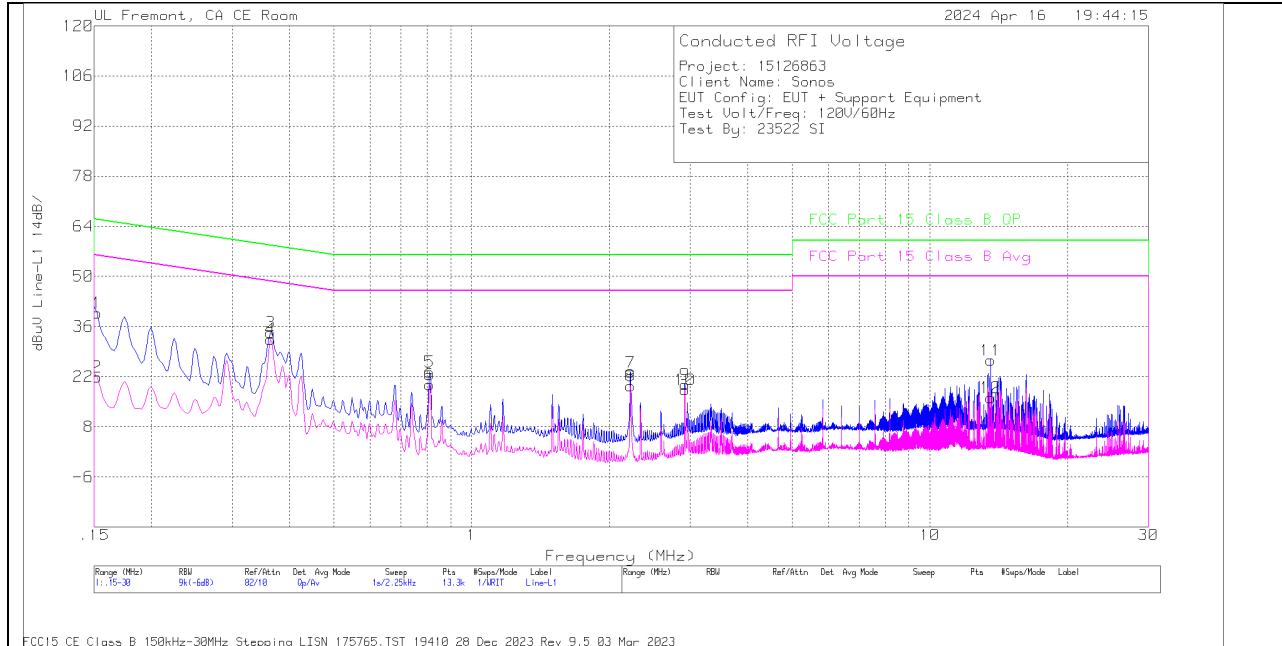
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC POWER LINE NORM

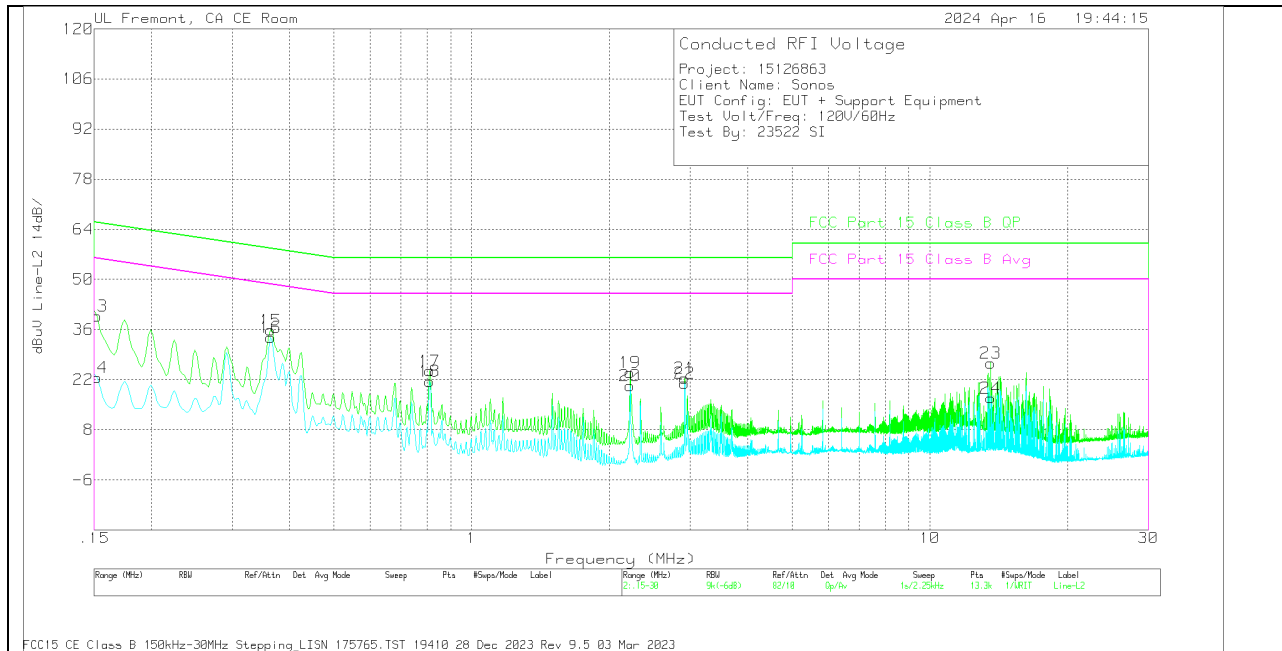
LINE 1 RESULTS



Range 1: Line-L1 15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av Margin (dB)
2	.1523	12.29	Av	.1	0	9.5	21.89	-	-	55.88	-33.99
4	.3638	22.92	Av	0	0	9.4	32.32	-	-	48.64	-16.32
6	.8093	10.4	Av	0	.1	9.3	19.8	-	-	46	-26.2
8	2.22	9.86	Av	0	.1	9.4	19.36	-	-	46	-26.64
10	2.9198	8.89	Av	0	.1	9.3	18.29	-	-	46	-27.71
12	13.5623	6.2	Av	.1	.3	9.5	16.1	-	-	50	-33.9
1	.1523	30.13	Qp	.1	0	9.5	39.73	65.88	-26.15	-	-
3	.3638	24.95	Qp	0	0	9.4	34.35	58.64	-24.29	-	-
5	.8093	13.86	Qp	0	.1	9.3	23.26	56	-32.74	-	-
7	2.22	13.69	Qp	0	.1	9.4	23.19	56	-32.81	-	-
9	2.9198	10.35	Qp	0	.1	9.3	19.75	56	-36.25	-	-
11	13.5623	16.62	Qp	.1	.3	9.5	26.52	60	-33.48	-	-

Qp - Quasi-Peak detector
Av - Average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av Margin (dB)
14	.1523	13.01	Av	.1	0	9.5	22.61	-	-	55.88	-33.27
16	.3638	24.31	Av	0	.1	9.4	33.81	-	-	48.64	-14.83
18	.8093	12.25	Av	0	0	9.3	21.55	-	-	46	-24.45
20	2.2178	10.82	Av	0	.1	9.4	20.32	-	-	46	-25.68
22	2.9175	11.5	Av	0	.2	9.3	21	-	-	46	-25
24	13.5623	7.07	Av	.1	.2	9.5	16.87	-	-	50	-33.13
13	.1523	30.1	Qp	.1	0	9.5	39.7	65.88	-26.18	-	-
15	.3638	26.31	Qp	0	.1	9.4	35.81	58.64	-22.83	-	-
17	.8093	15.11	Qp	0	0	9.3	24.41	56	-31.59	-	-
19	2.2178	14.52	Qp	0	.1	9.4	24.02	56	-31.98	-	-
21	2.9175	12.86	Qp	0	.2	9.3	22.36	56	-33.64	-	-
23	13.5623	16.74	Qp	.1	.2	9.5	26.54	60	-33.46	-	-

Qp - Quasi-Peak detector

Av - Average detection

12. SETUP PHOTOS

Refer to UL Verification Services Inc Report # 15126863-EP1V1.

END OF TEST REPORT