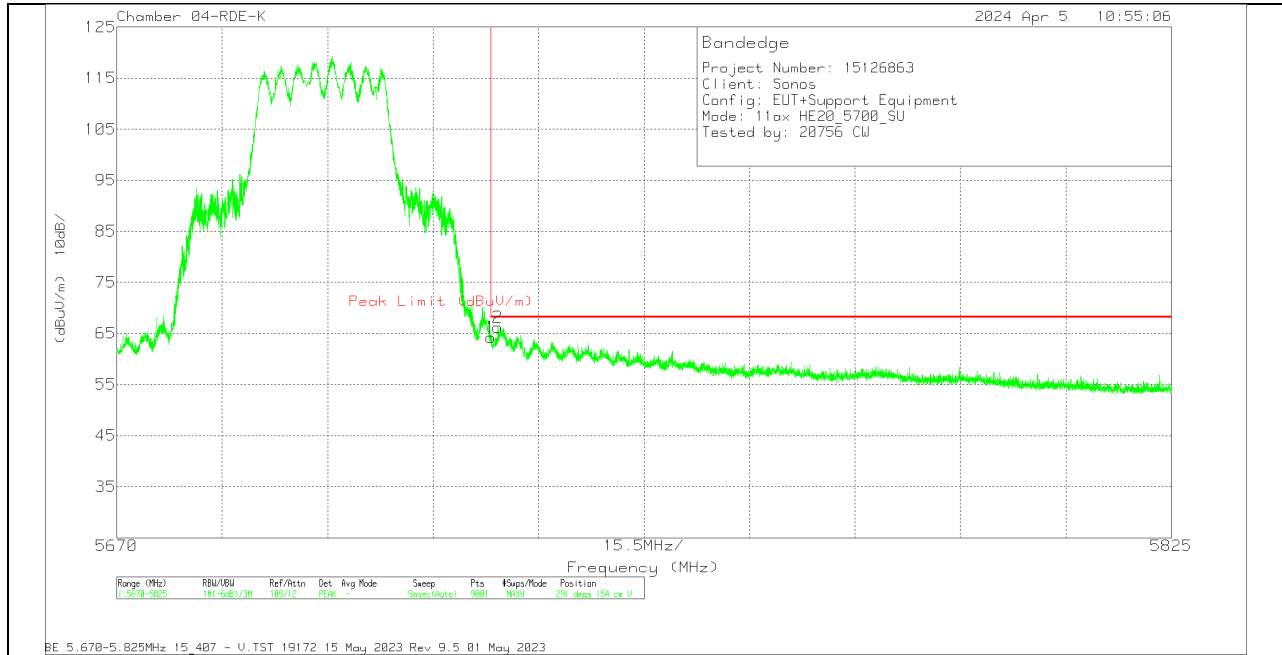


**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	46.54	Pk	34.8	-17.1	64.24	68.2	-3.96	291	154	V
2	5726.023	48.47	Pk	34.8	-17.1	66.17	68.2	-2.03	291	154	V

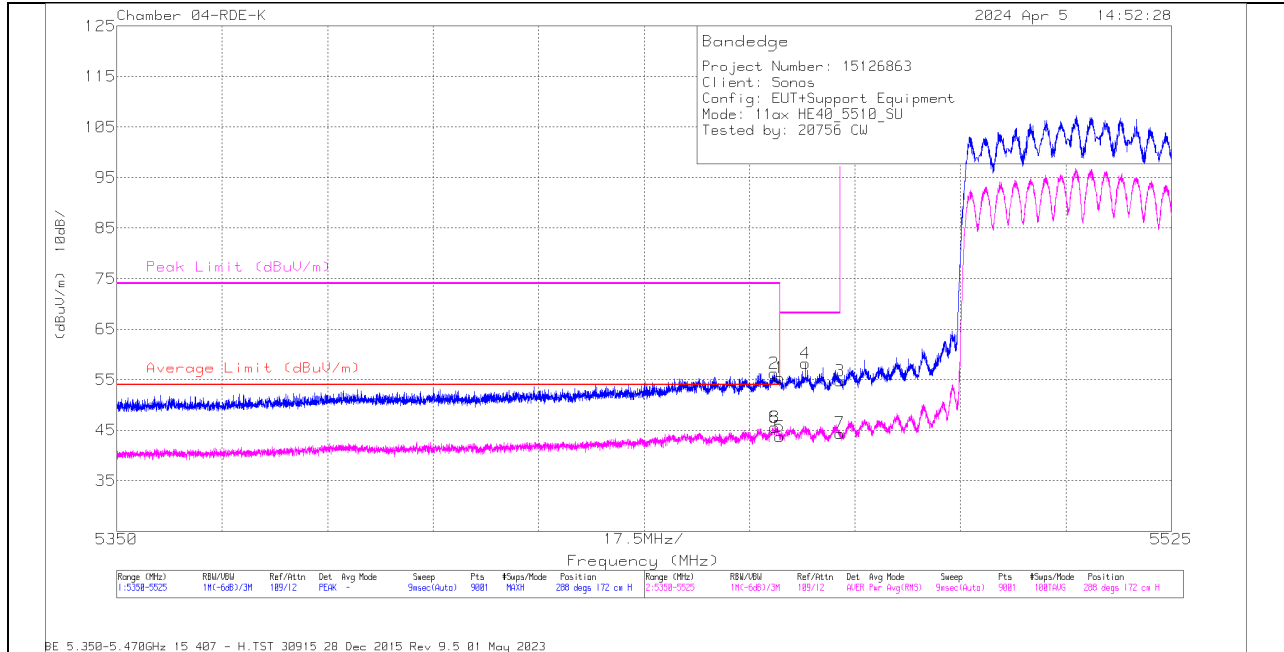
Pk - Peak detector

### 10.1.8. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.6GHz BAND

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

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



#### Trace Markers

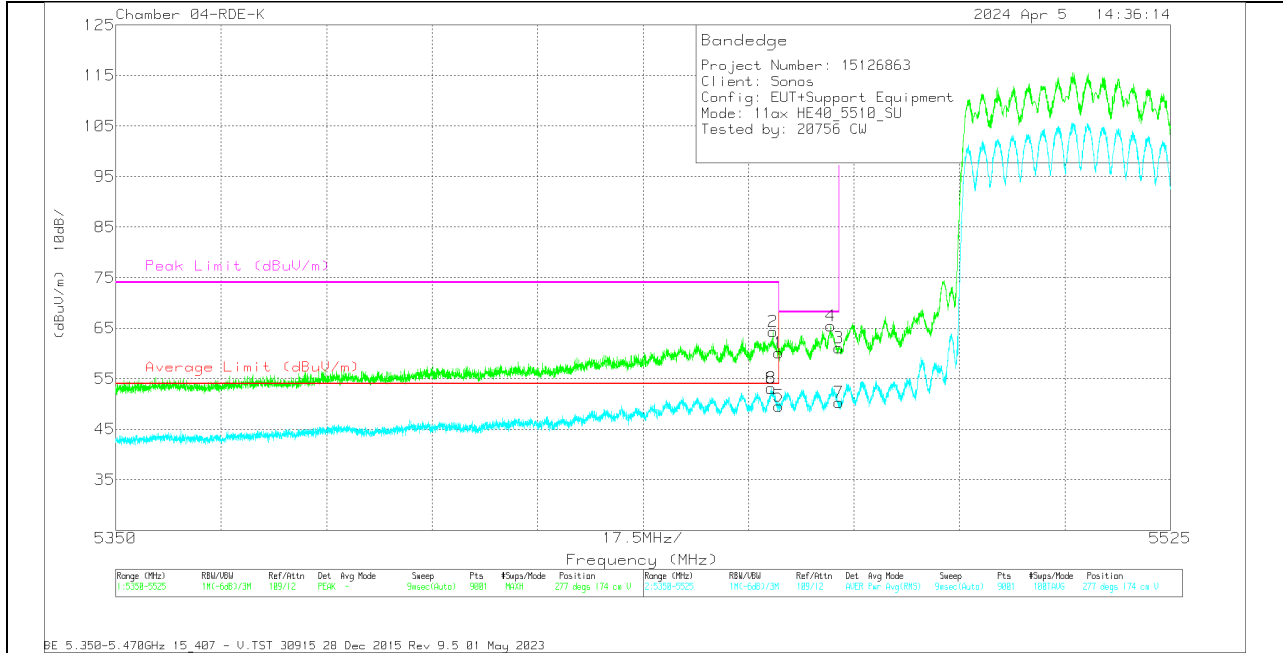
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5459.042	39.27	Pk	34.8	-17.8	0	56.27	-	-	74	-17.73	288	172	H
6	5459.178	27.29	RMS	34.8	-17.8	1.32	45.61	54	-8.39	-	-	288	172	H
8	5459.178	27.29	RMS	34.8	-17.8	1.32	45.61	54	-8.39	-	-	288	172	H
1	5460	38.53	Pk	34.7	-17.8	0	55.43	-	-	68.2	-12.77	288	172	H
5	5460	25.49	RMS	34.7	-17.8	1.32	43.71	54	-10.29	-	-	288	172	H
4	5464.272	41.31	Pk	34.7	-17.8	0	58.21	-	-	68.2	-9.99	288	172	H
3	5470	37.97	Pk	34.6	-17.8	0	54.77	-	-	68.2	-13.43	288	172	H
7	5470	26.28	RMS	34.6	-17.8	1.32	44.4	-	-	-	-	288	172	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	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	5458.75	34.77	RMS	34.8	-17.8	1.32	53.09	54	-91	-	-	277	174	V
8	5458.75	34.77	RMS	34.8	-17.8	1.32	53.09	54	-91	-	-	277	174	V
2	5459.023	47.32	Pk	34.8	-17.8	0	64.32	-	-	74	-9.68	277	174	V
1	5460	43.23	Pk	34.7	-17.8	0	60.13	-	-	68.2	-8.07	277	174	V
5	5460	31.39	RMS	34.7	-17.8	1.32	49.61	54	-4.39	-	-	277	174	V
4	5468.667	48.68	Pk	34.6	-17.8	0	65.48	-	-	68.2	-2.72	277	174	V
3	5470	44.24	Pk	34.6	-17.8	0	61.04	-	-	68.2	-7.16	277	174	V
7	5470	32.14	RMS	34.6	-17.8	1.32	50.26	-	-	-	-	277	174	V

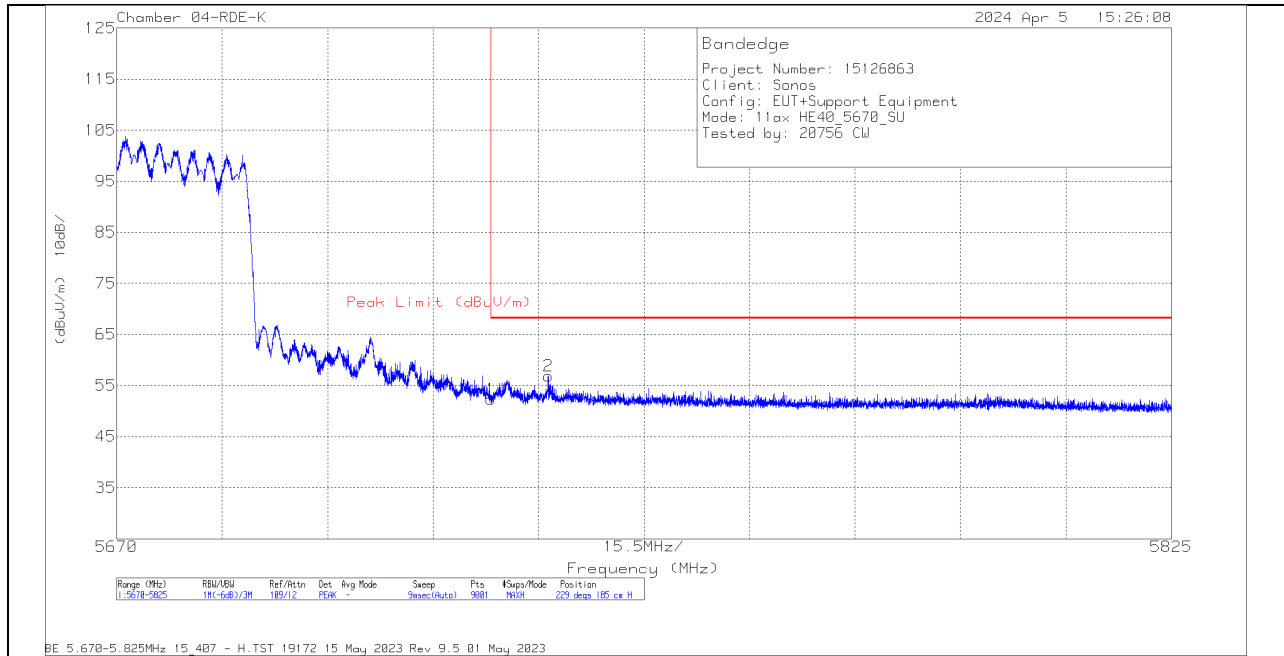
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

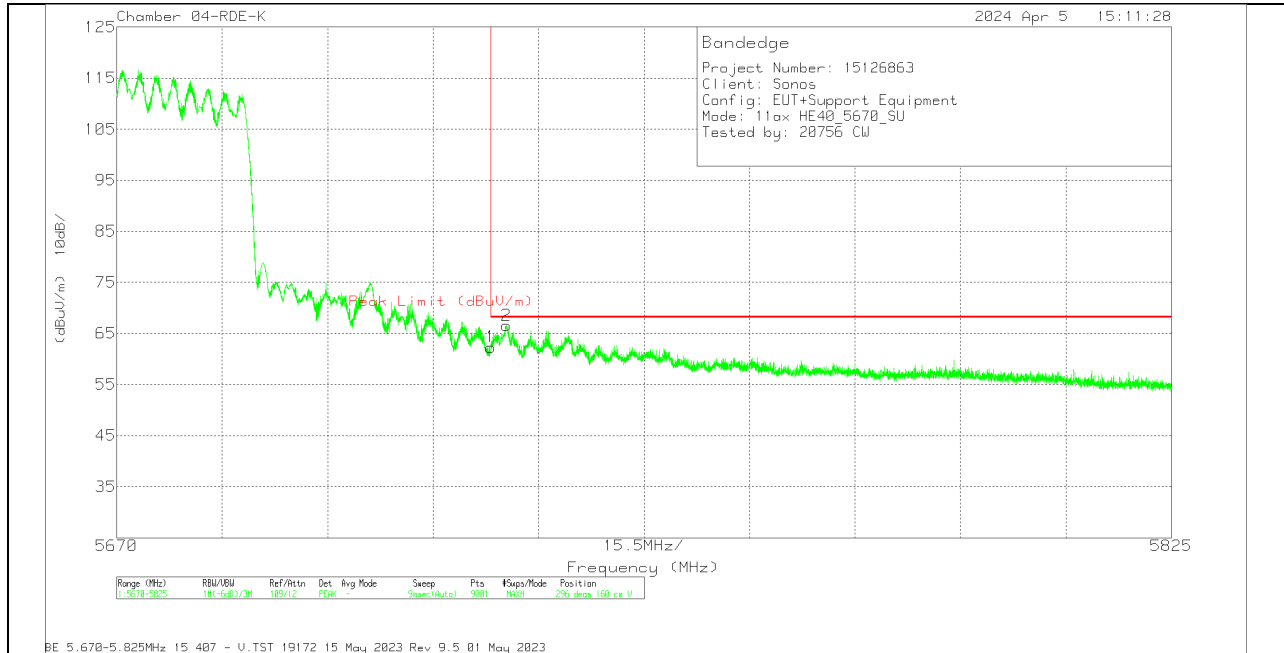


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	34.61	Pk	34.8	-17.1	52.31	68.2	-15.89	229	185	H
2	5733.411	39.03	Pk	34.9	-17.1	56.83	68.2	-11.37	229	185	H

Pk - Peak detector

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	44.64	Pk	34.8	-17.1	62.34	68.2	-5.86	296	160	V
2	5727.246	48.73	Pk	34.9	-17.1	66.53	68.2	-1.67	296	160	V

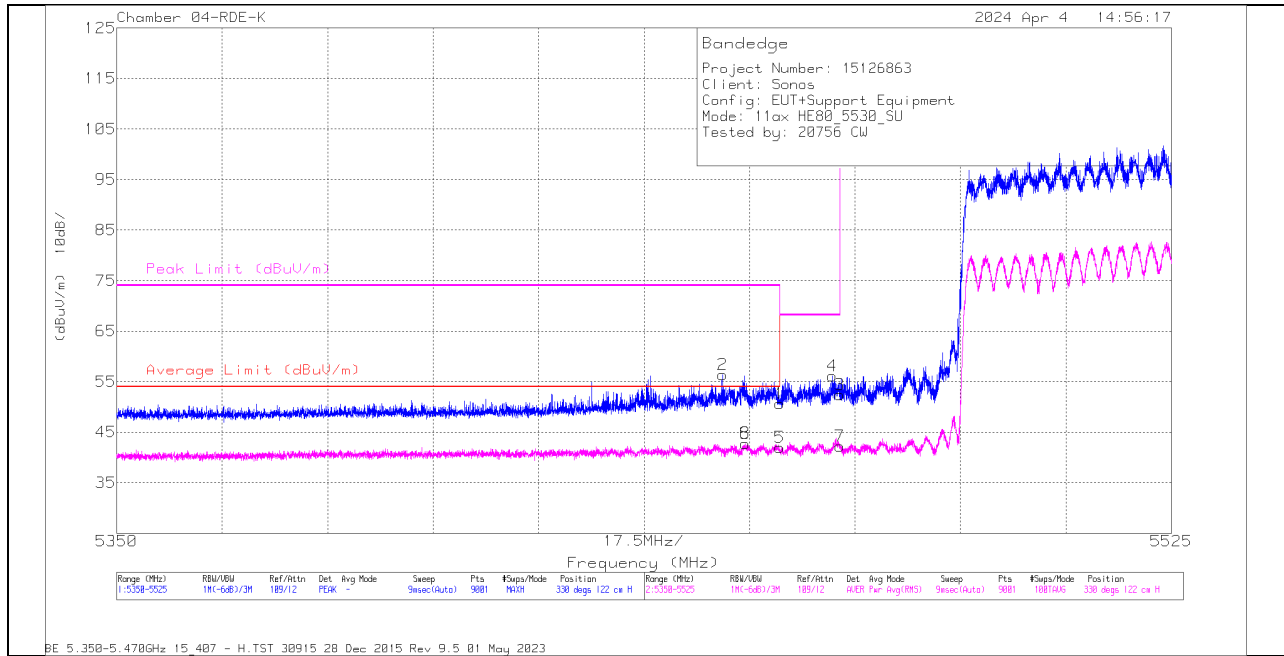
Pk - Peak detector

### 10.1.9. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.6GHz BAND

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

**BANDEDGE (LOW CHANNEL)**

#### HORIZONTAL RESULT



#### Trace Markers

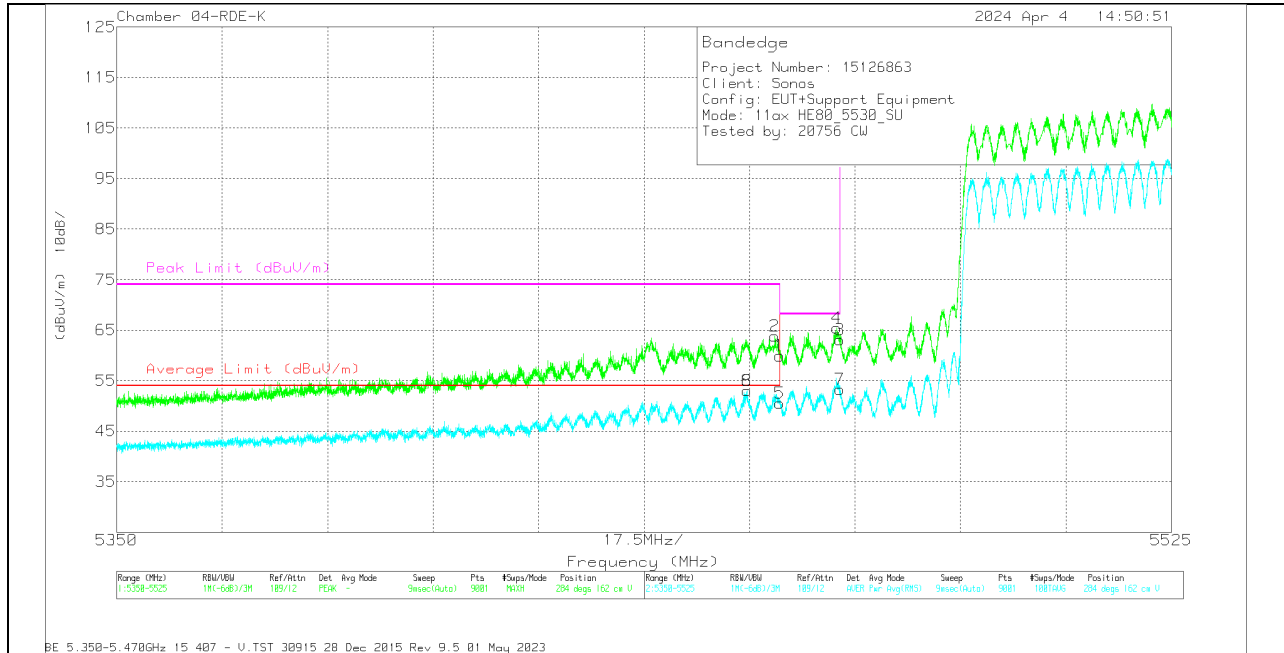
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5450.584	39.4	Pk	34.8	-17.8	0	56.4	-	-	74	-17.6	330	122	H
6	5454.298	23.4	RMS	34.8	-17.8	2.38	42.78	54	-11.22	-	-	330	122	H
8	5454.298	23.4	RMS	34.8	-17.8	2.38	42.78	54	-11.22	-	-	330	122	H
1	5460	33.77	Pk	34.7	-17.8	0	50.67	-	-	68.2	-17.53	330	122	H
5	5460	22.65	RMS	34.7	-17.8	2.38	41.93	54	-12.07	-	-	330	122	H
4	5468.783	39.36	Pk	34.6	-17.8	0	56.16	-	-	68.2	-12.04	330	122	H
3	5470	35.59	Pk	34.6	-17.8	0	52.39	-	-	68.2	-15.81	330	122	H
7	5470	23.03	RMS	34.6	-17.8	2.38	42.21	-	-	-	-	330	122	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



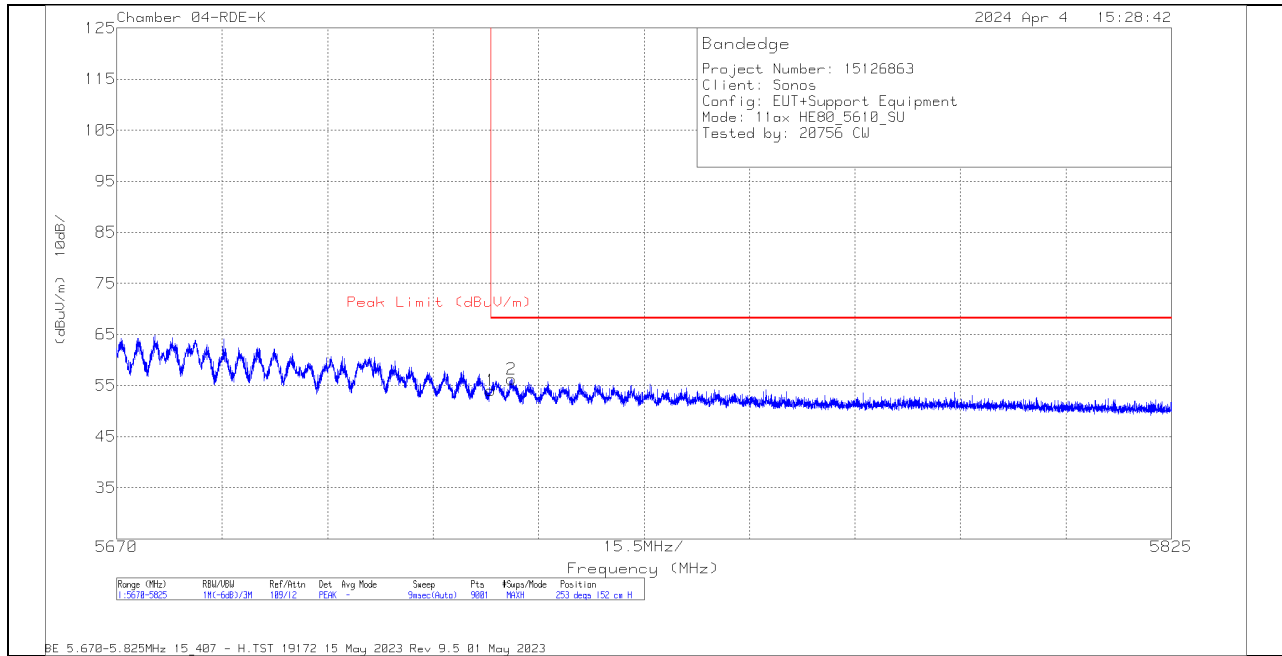
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB/m) - 3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	5454.55	33.54	RMS	34.8	-17.8	2.38	52.92	54	-1.08	-	-	284	162	V
8	5454.55	33.54	RMS	34.8	-17.8	2.38	52.92	54	-1.08	-	-	284	162	V
2	5459.198	46.81	Pk	34.8	-17.8	0	63.81	-	-	74	-10.19	284	162	V
1	5460	43.02	Pk	34.7	-17.8	0	59.92	-	-	68.2	-8.28	284	162	V
5	5460	31.18	RMS	34.7	-17.8	2.38	50.46	54	-3.54	-	-	284	162	V
4	5469.464	48.68	Pk	34.6	-17.8	0	65.48	-	-	68.2	-2.72	284	162	V
3	5470	46.23	Pk	34.6	-17.8	0	63.03	-	-	68.2	-5.17	284	162	V
7	5470	34	RMS	34.6	-17.8	2.38	53.18	-	-	-	-	284	162	V

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



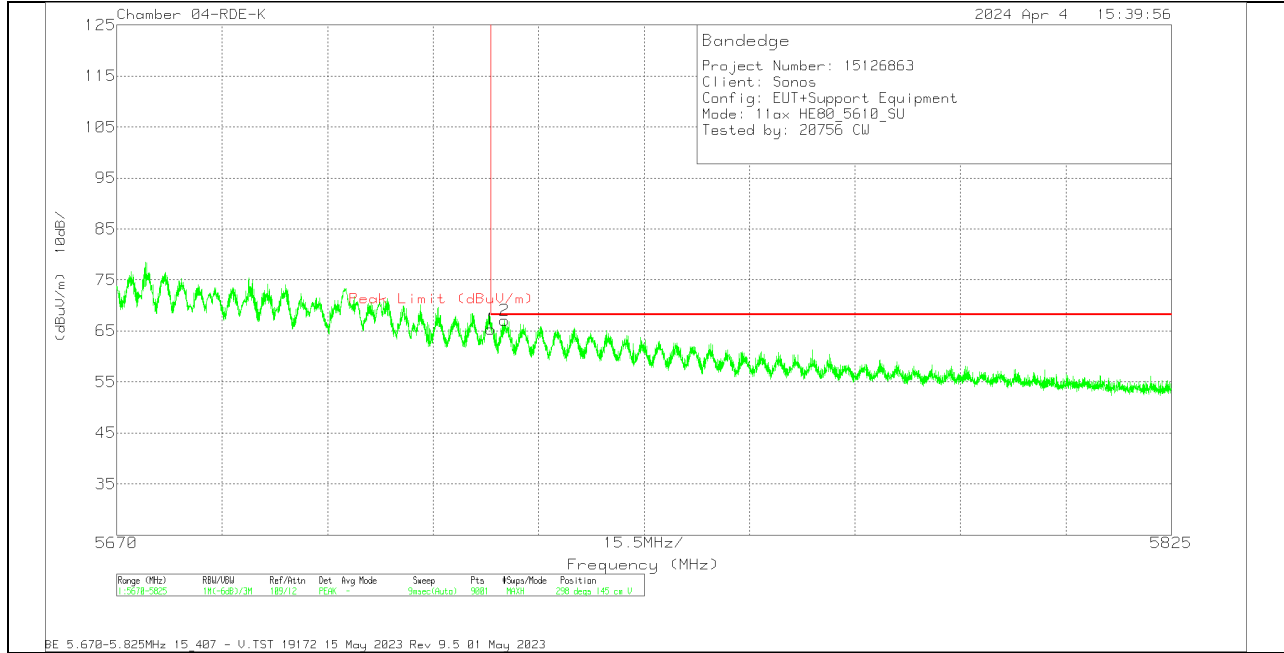
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	36.33	Pk	34.8	-17.1	54.03	68.2	-14.17	253	152	H
2	5728.055	38.41	Pk	34.9	-17.1	56.21	68.2	-11.99	253	152	H

Pk - Peak detector



**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	47.62	Pk	34.8	-17.1	65.32	68.2	-2.88	298	145	V
2	5727.039	49.28	Pk	34.9	-17.1	67.08	68.2	-1.12	298	145	V

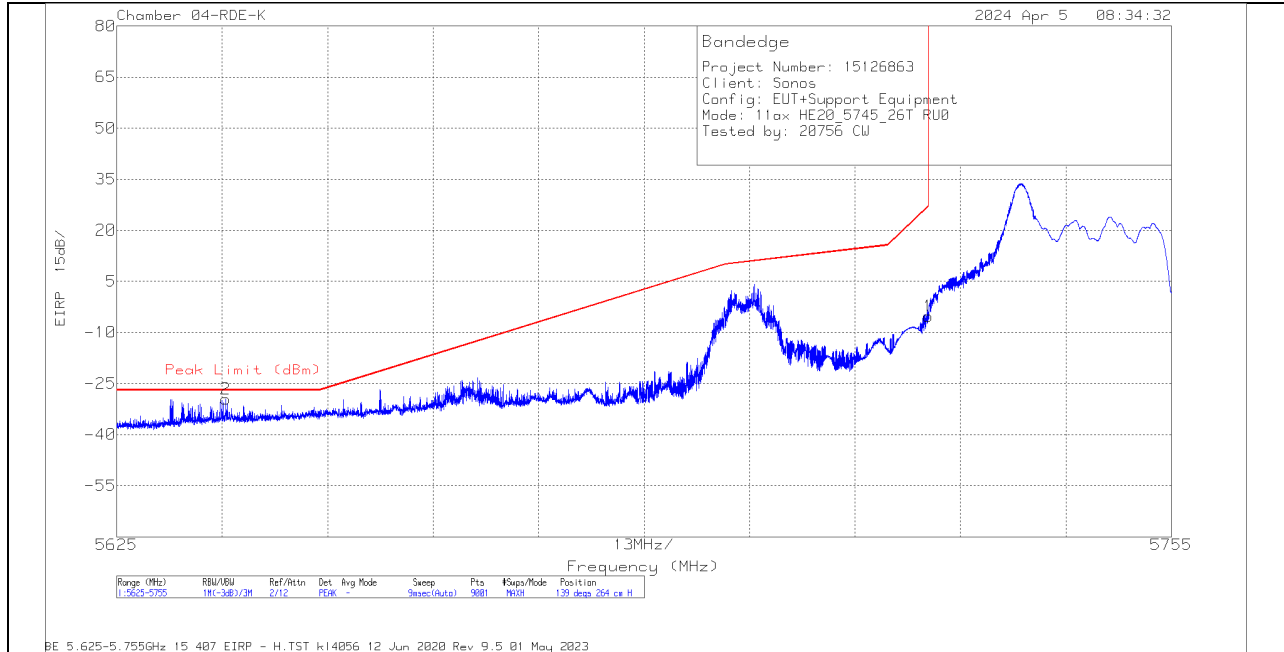
Pk - Peak detector

### 10.1.10. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.8GHz BAND

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

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT

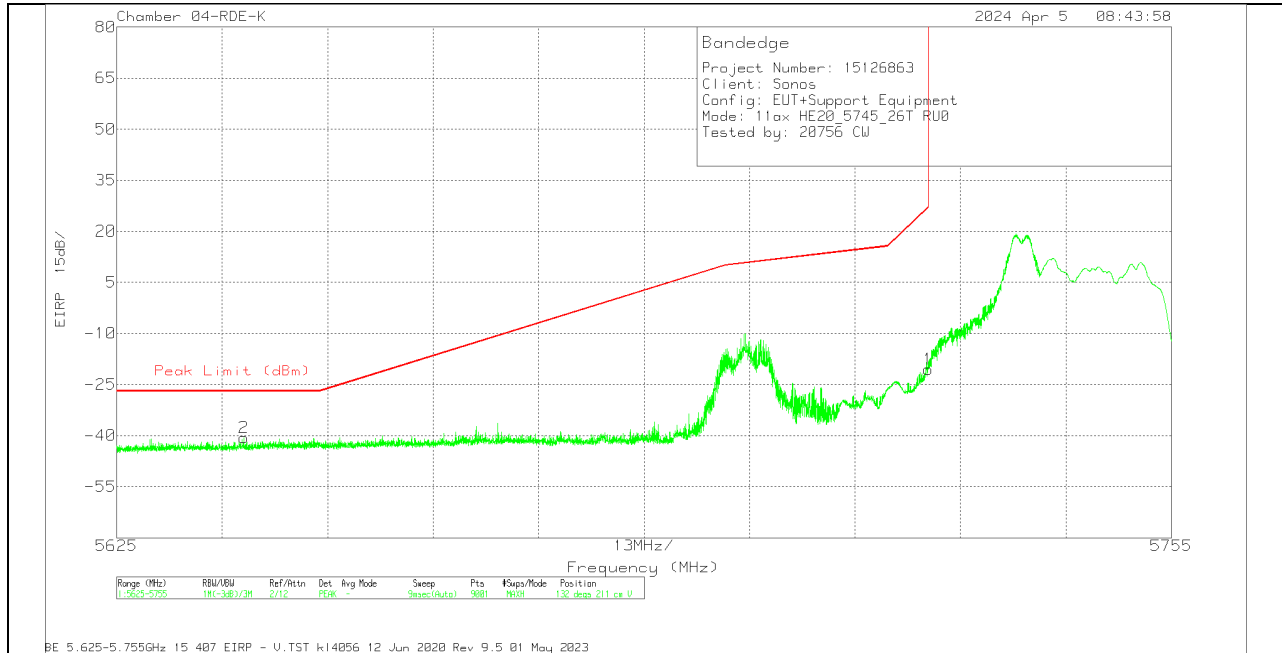


#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5638.462	-58.68	Pk	34.8	-17.5	11.8	-29.58	-27	-2.58	139	264	H
1	5725	-34.75	Pk	34.8	-17.1	11.8	-5.25	27	-32.25	139	264	H

Pk - Peak detector

**VERTICAL RESULT**



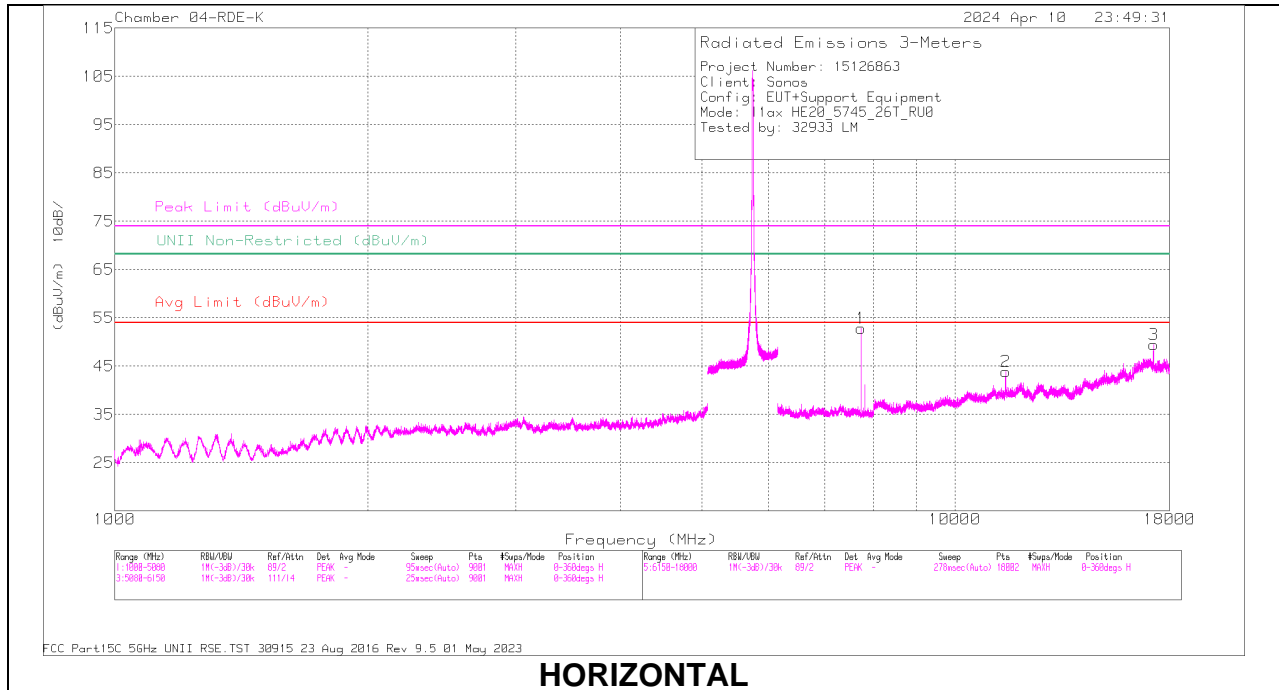
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5640.643	-69.67	Pk	34.7	-17.5	11.8	-40.67	-27	-13.67	132	211	V
1	5725	-49.95	Pk	34.8	-17.1	11.8	-20.45	27	-47.45	132	211	V

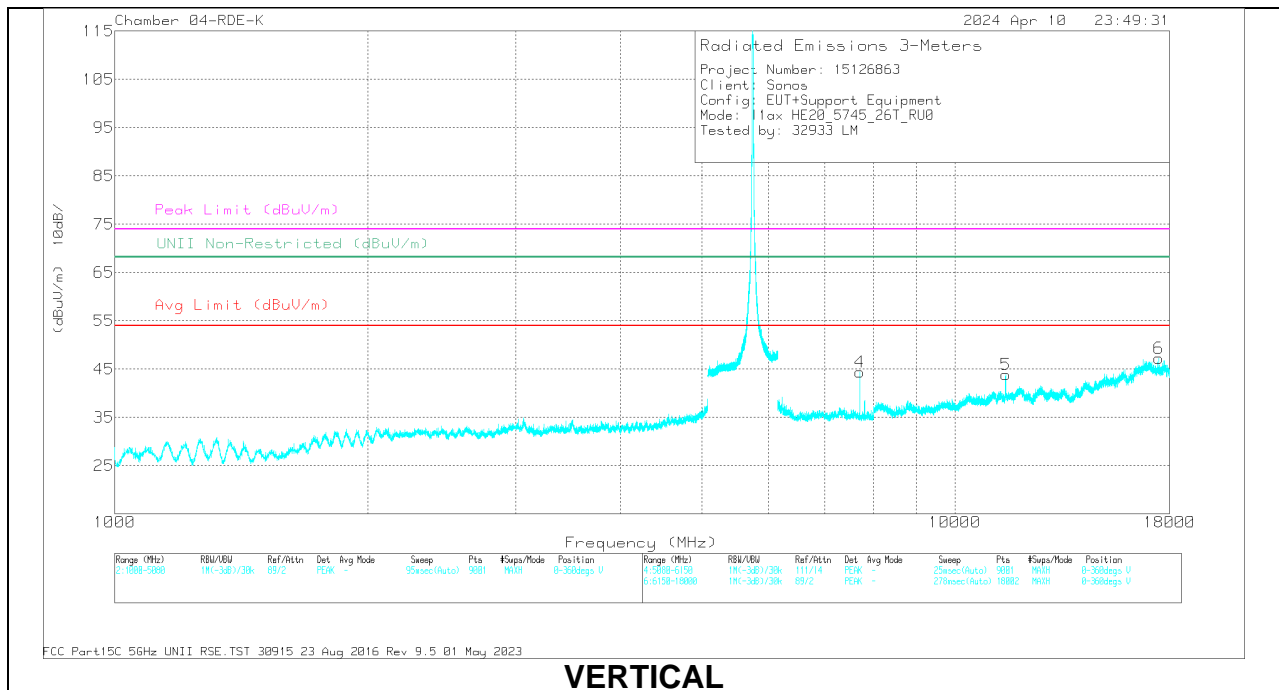
Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



## HORIZONTAL



## VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7734.781	55.14	PK-U	35.9	-38.6	0	52.44	-	-	74	-21.56	-	-	310	161	H
	* 7734.216	36.17	ADR	35.9	-38.6	3.1	36.57	54	-17.43	-	-	-	-	310	161	H
2	* 11489.678	50.44	PK-U	38.1	-36.6	0	51.94	-	-	74	-22.06	-	-	10	104	H
	* 11489.68	37.86	ADR	38.1	-36.6	3.1	42.46	54	-11.54	-	-	-	-	10	104	H
3	17236.097	37.59	ADR	42.4	-32.6	3.1	50.29	-	-	-	-	-	-	244	193	H
	17236.1	52.73	PK-U	42.4	-32.6	0	62.33	-	-	-	-	68.2	-5.87	244	193	H
4	* 7709.18	56.89	PK-U	35.9	-38.5	0	54.29	-	-	74	-19.71	-	-	240	391	V
	* 7709.997	36.96	ADR	35.9	-38.5	3.1	37.46	54	-16.54	-	-	-	-	240	391	V
5	* 11490.659	53.99	PK-U	38.1	-36.6	0	55.49	-	-	74	-18.51	-	-	314	207	V
	* 11490.291	40.54	ADR	38.1	-36.6	3.1	45.14	54	-8.86	-	-	-	-	314	207	V
6	17489.992	33.04	ADR	42.4	-31.8	3.1	46.74	-	-	-	-	-	-	124	375	V
	17493.176	45.18	PK-U	42.5	-31.9	0	55.78	-	-	-	-	68.2	-12.42	124	375	V

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

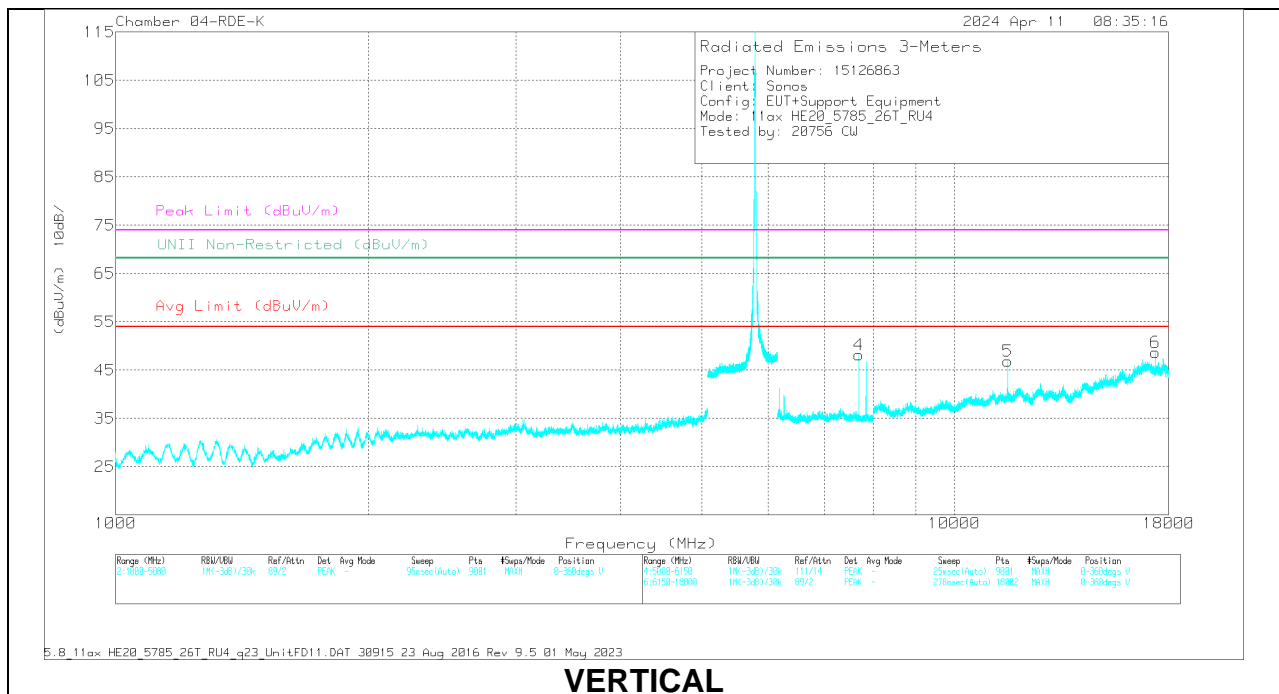
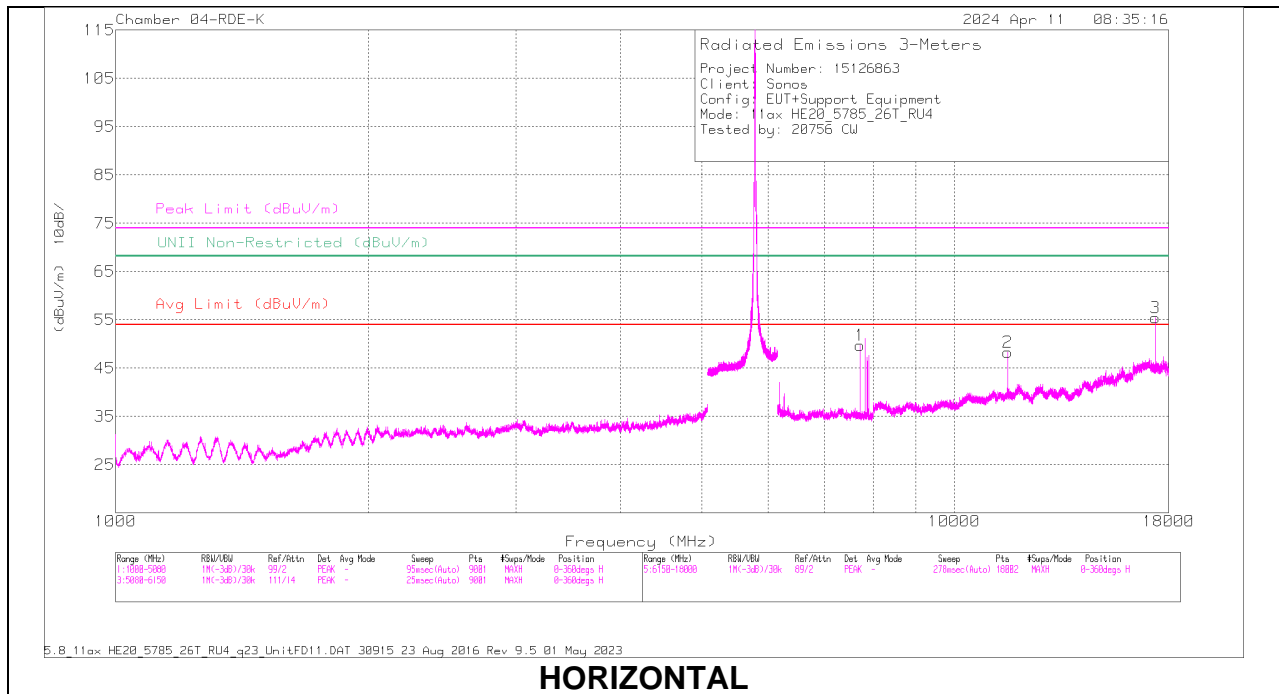
PK-U - U-NII: Maximum Peak

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 CHANNEL**



**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7718.074	48.2	PK-U	35.9	-38.5	0	45.6	-	-	74	-28.4	-	-	25	400	H
	* 7720.265	36.58	ADR	35.8	-38.6	3.1	36.88	54	-17.12	-	-	-	-	25	400	H
2	* 11569.687	59.26	PK-U	38.2	-36.3	0	61.16	-	-	74	-12.84	-	-	173	194	H
	* 11569.687	46.43	ADR	38.2	-36.3	3.1	51.43	54	-2.57	-	-	-	-	173	194	H
4	* 7696.425	48.99	PK-U	35.9	-38.6	0	46.29	-	-	74	-27.71	-	-	238	129	V
	* 7693.437	36.44	ADR	35.9	-38.6	3.1	36.84	54	-17.16	-	-	-	-	238	129	V
5	* 11569.84	57.95	PK-U	38.2	-36.3	0	59.85	-	-	74	-14.15	-	-	314	178	V
	* 11570.011	45.57	ADR	38.2	-36.3	3.1	50.57	54	-3.43	-	-	-	-	314	178	V
3	17352.332	57.24	PK-U	42.4	-32.6	0	67.04	-	-	-	-	68.2	-1.16	233	376	H
	17354.677	42.5	ADR	42.4	-32.5	3.1	55.5	-	-	-	-	-	-	233	376	H
6	17355.87	38.48	ADR	42.4	-32.5	3.1	51.48	-	-	-	-	-	-	233	275	V
	17355.902	52.19	PK-U	42.4	-32.5	0	62.09	-	-	-	-	68.2	-6.11	233	275	V

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

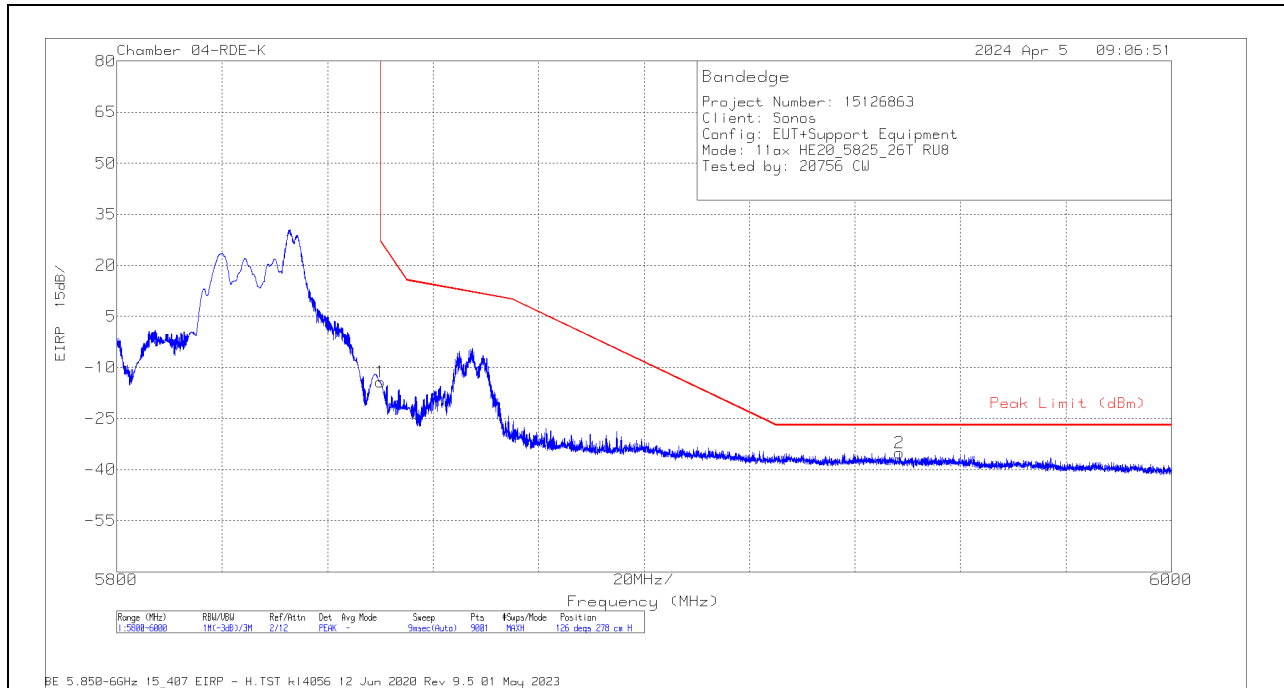
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



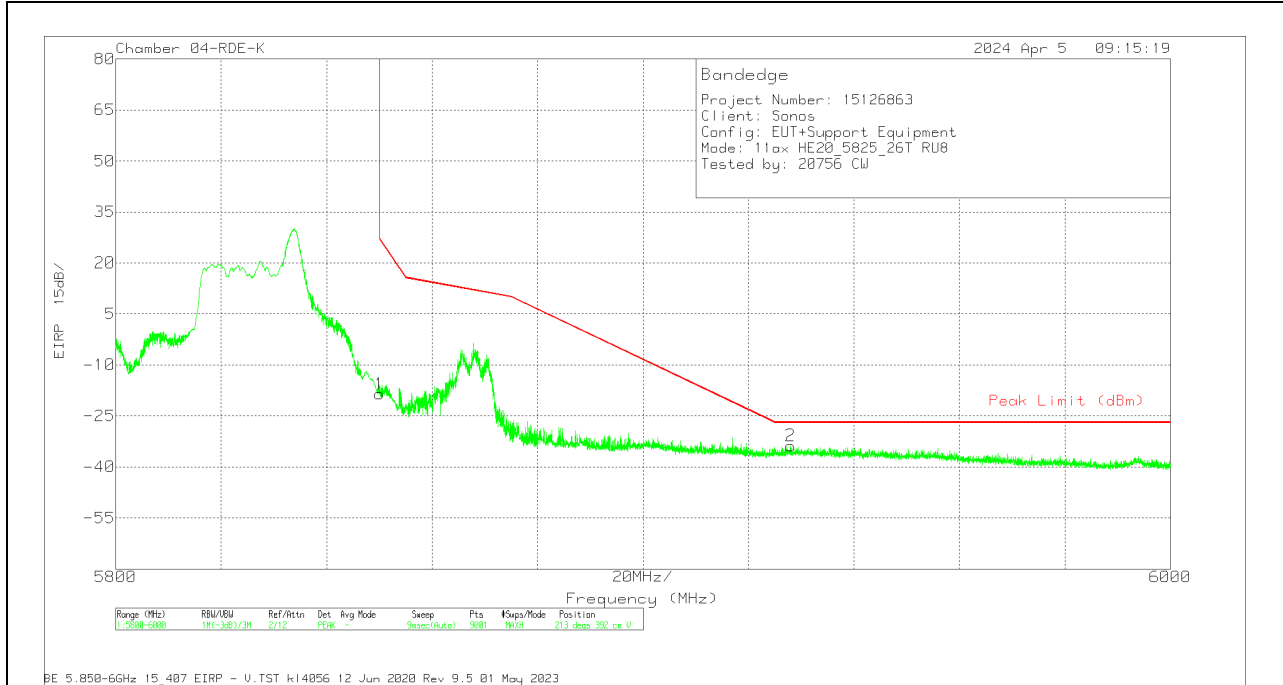
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-44	Pk	35.1	-17.1	11.8	-14.2	27	-41.2	126	278	H
2	5948.399	-65.31	Pk	35.2	-16.7	11.8	-35.01	-27	-8.01	126	278	H

Pk - Peak detector



**VERTICAL RESULT**



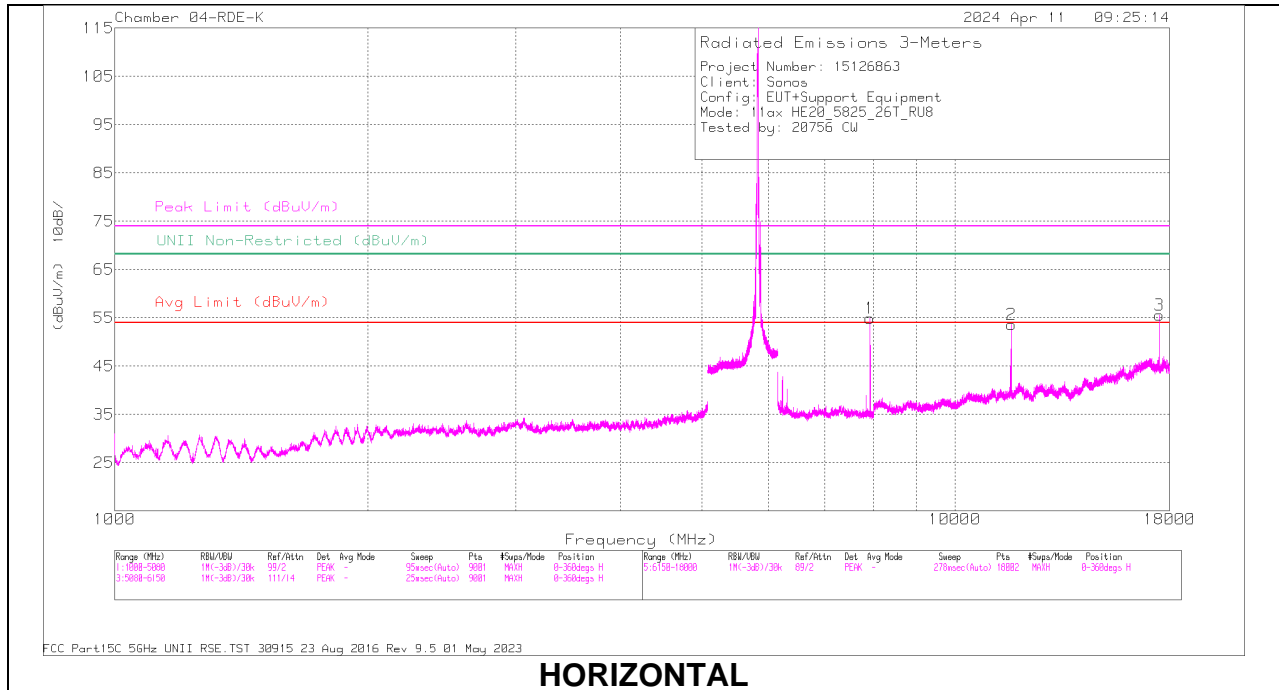
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-48.26	Pk	35.1	-17.1	11.8	-18.46	27	-45.46	213	392	V
2	5927.999	-63.71	Pk	35.1	-16.9	11.8	-33.71	-27	-6.71	213	392	V

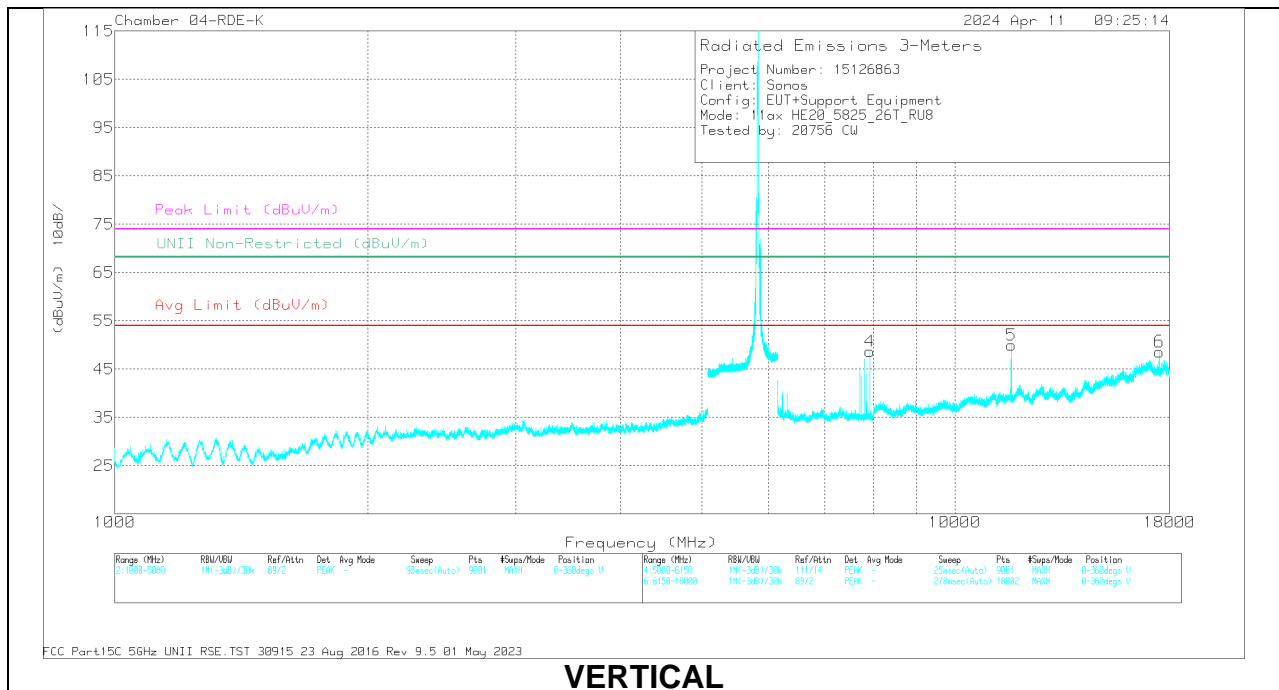
Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS

## HIGH CHANNEL



## 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 11666.521	61	PK-U	38.5	-36.1	0	63.4	-	-	74	-10.6	-	-	172	117	H
	* 11666.555	47.91	ADR	38.5	-36.1	3.1	53.41	54	-5.9	-	-	-	-	172	117	H
5	* 11667.269	60.14	PK-U	38.4	-36.1	0	62.44	-	-	74	-11.56	-	-	316	247	V
	* 11667.144	46.79	ADR	38.4	-36.1	3.1	52.19	54	-1.81	-	-	-	-	316	247	V
4	7916.766	36.04	ADR	35.9	-38.3	3.1	36.74	-	-	-	-	-	-	307	259	V
	7917.029	47.66	PK-U	35.9	-38.3	0	45.26	-	-	-	-	68.2	-22.94	307	259	V
1	7923.661	53.99	PK-U	35.8	-38.3	0	51.49	-	-	-	-	68.2	-16.71	22	385	H
	7923.862	36.27	ADR	35.8	-38.3	3.1	36.67	-	-	-	-	-	-	22	385	H
3	17500.109	43.32	ADR	42.3	-32.2	3.1	56.52	-	-	-	-	-	-	230	377	H
	17500.508	57.28	PK-U	42.3	-32.2	0	67.38	-	-	-	-	68.2	-8.2	230	377	H
6	17500.562	36.71	ADR	42.3	-32.2	3.1	49.91	-	-	-	-	-	-	298	299	V
	17501.206	50.99	PK-U	42.3	-32.3	0	60.99	-	-	-	-	68.2	-7.21	298	299	V

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

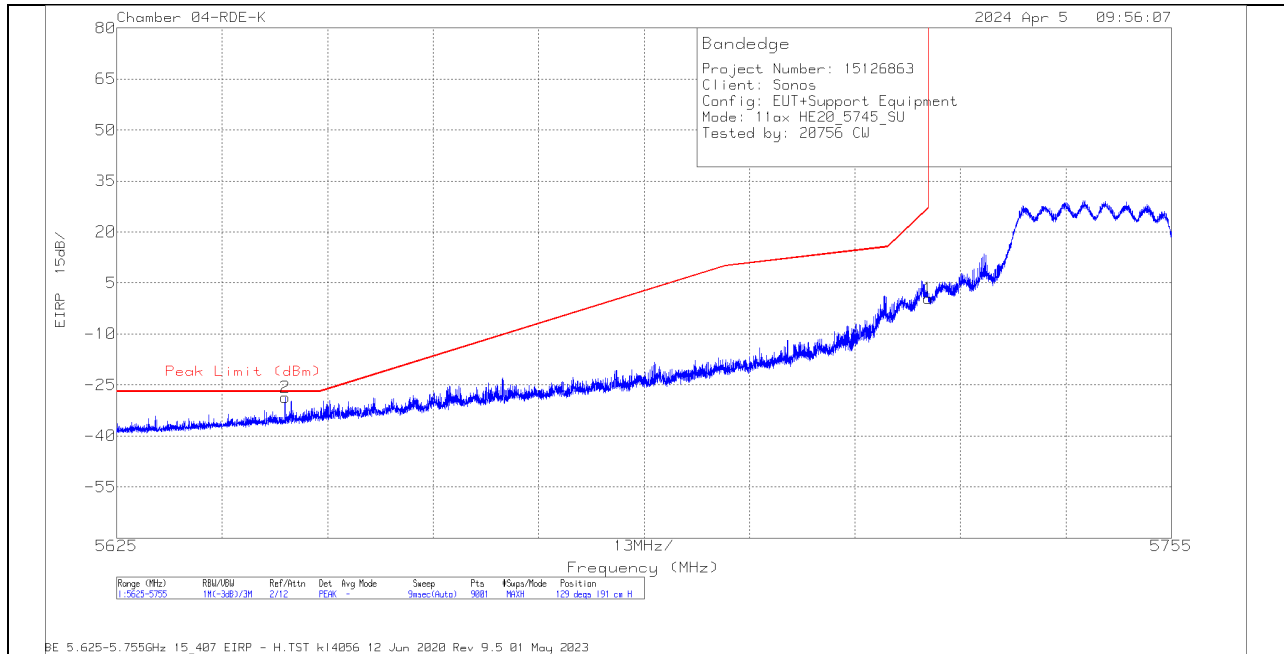
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

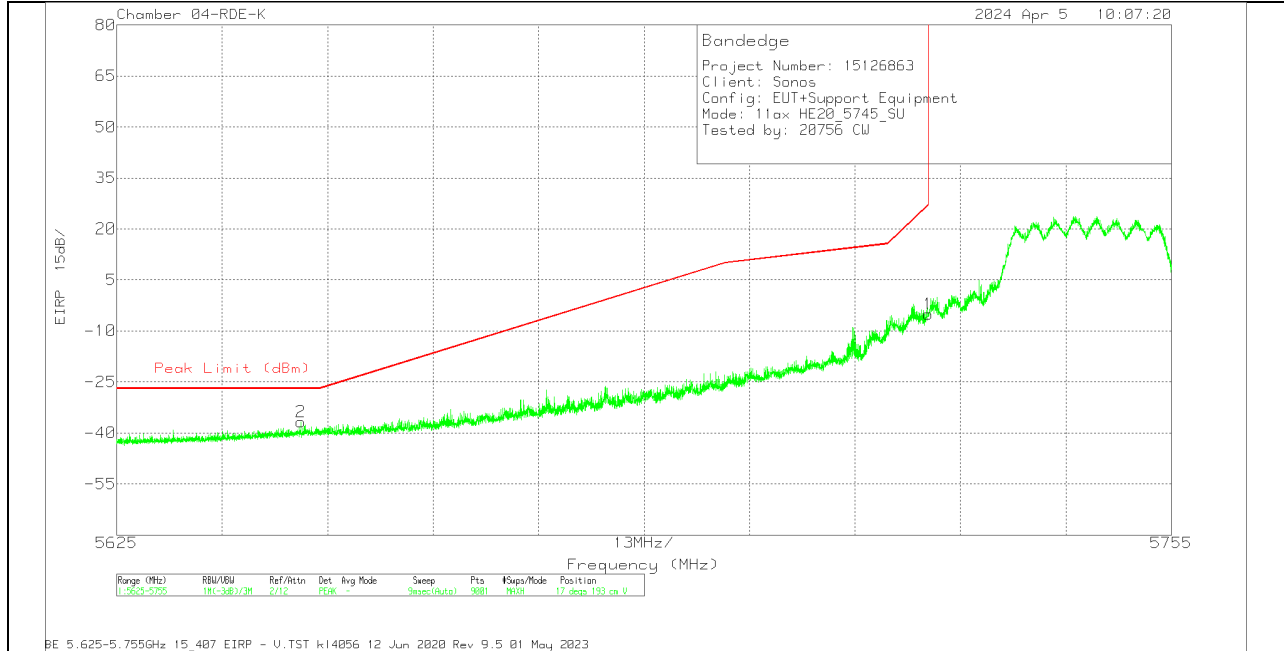


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3MHz	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5645.785	-57.59	Pk	34.7	-17.5	11.8	-28.59	-27	-1.59	129	191	H
1	5725	-29.02	Pk	34.8	-17.1	11.8	.48	27	-26.52	129	191	H

Pk - Peak detector

**VERTICAL RESULT**



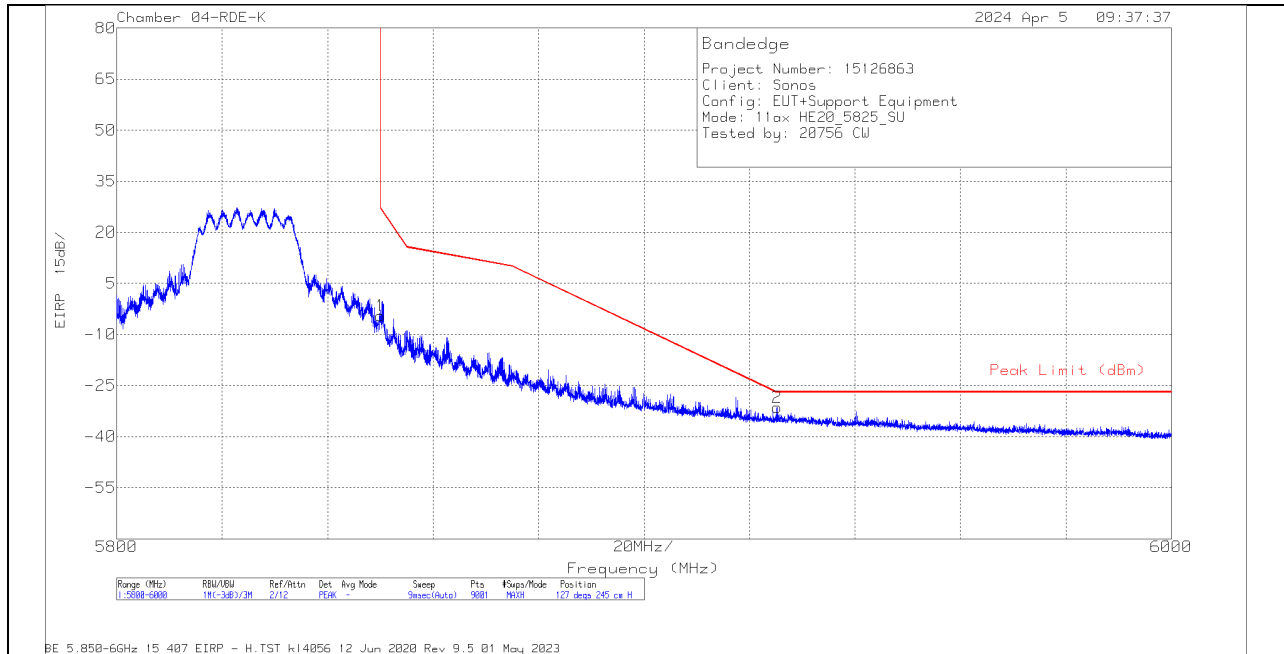
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5647.677	-65.91	Pk	34.7	-17.4	11.8	-36.81	-27	-9.81	17	193	V
1	5725	-34.54	Pk	34.8	-17.1	11.8	-5.04	27	-32.04	17	193	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

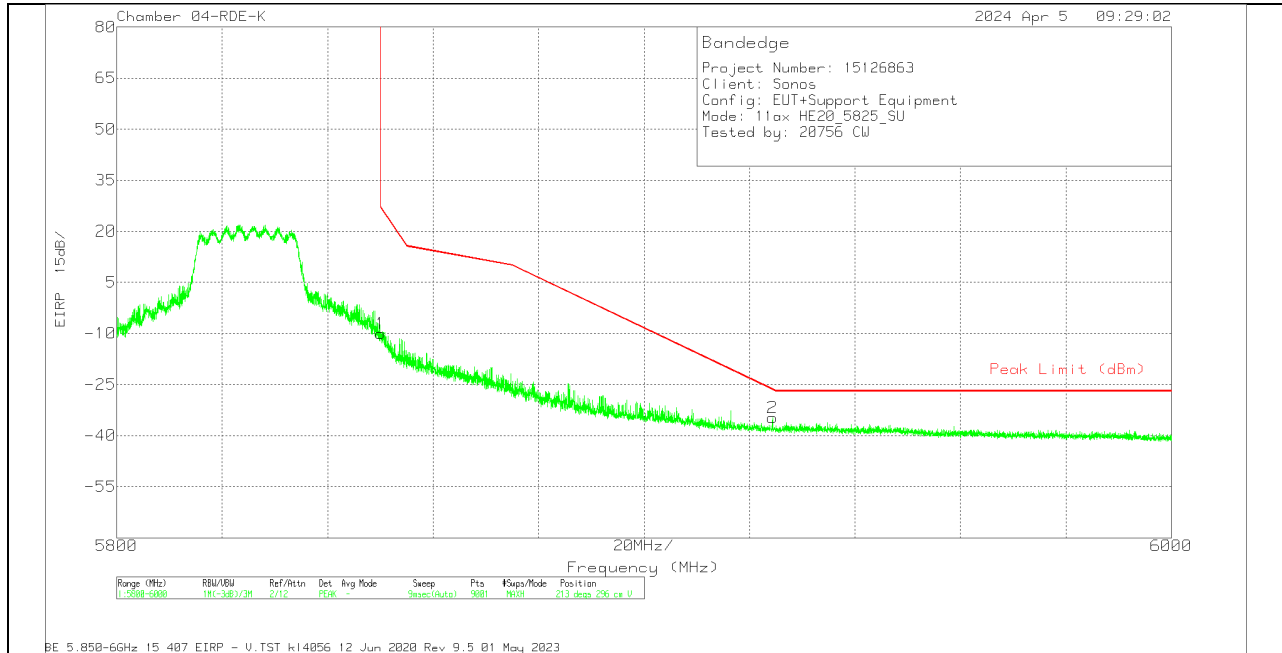


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-34.32	Pk	35.1	-17.1	11.8	-4.52	27	-31.52	127	245	H
2	5925.265	-61.39	Pk	35.1	-16.9	11.8	-31.39	-27	-4.39	127	245	H

Pk - Peak detector

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-39.86	Pk	35.1	-17.1	11.8	-10.06	27	-37.06	213	296	V
2	5924.354	-64.66	Pk	35.1	-16.9	11.8	-34.66	-26.52	-8.14	213	296	V

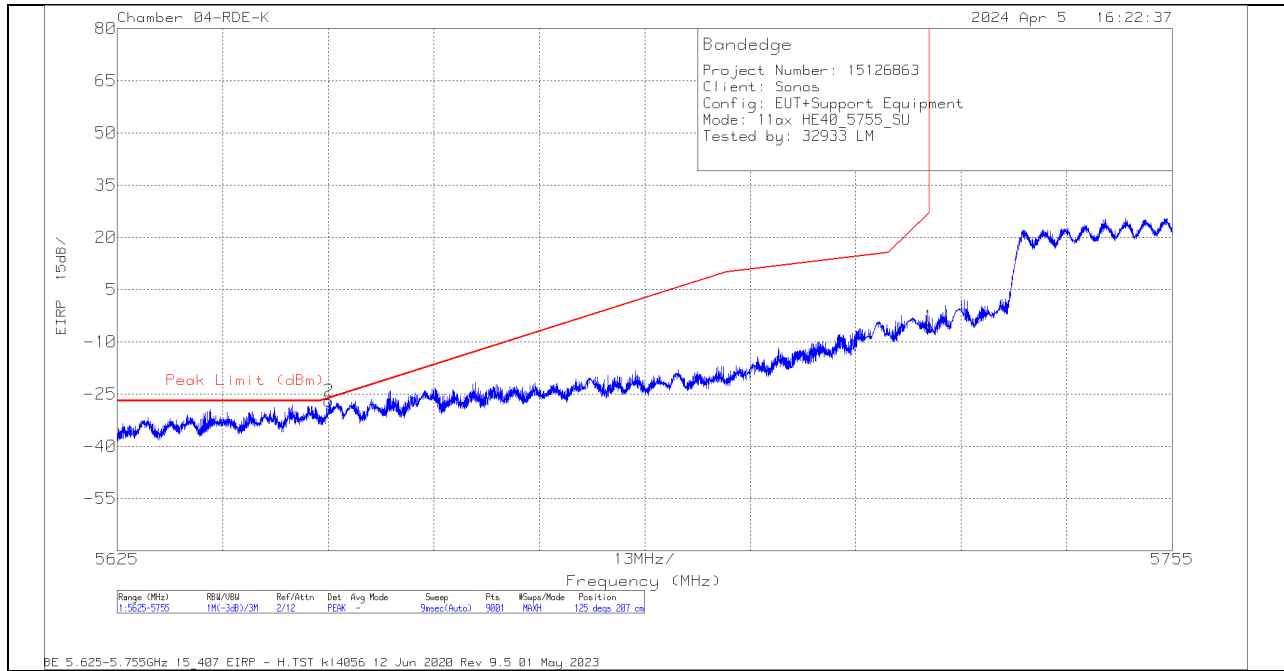
Pk - Peak detector

### 10.1.11. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.8GHz BAND

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

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



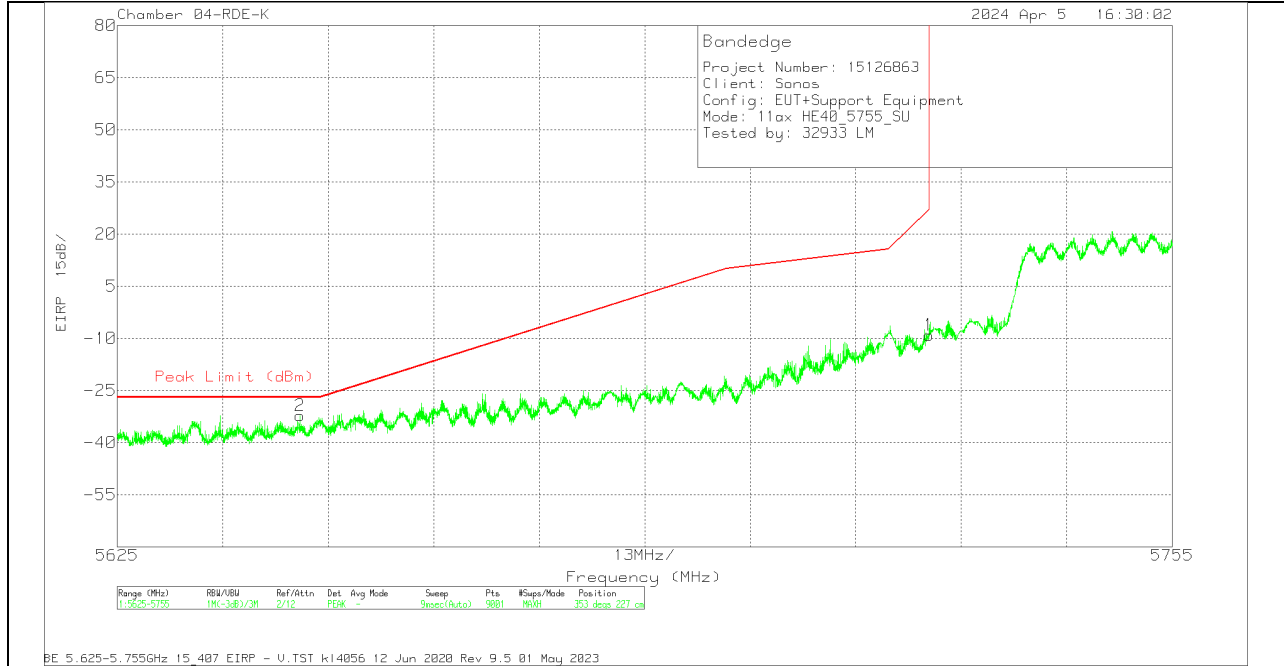
#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5651.071	-56.09	Pk	34.7	-17.4	11.8	-26.99	-26.21	-78	125	207	H
1	5725	-35.16	Pk	34.8	-17.1	11.8	-5.66	27	-32.66	125	207	H

Pk - Peak detector



**VERTICAL RESULT**



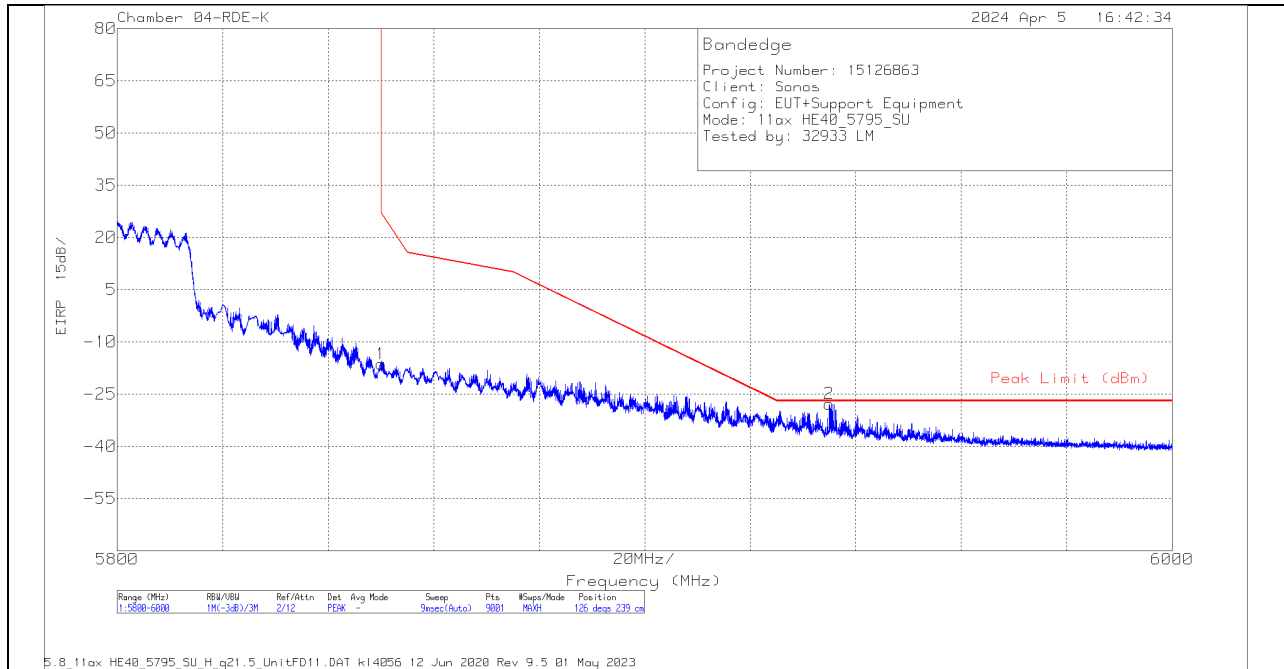
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5647.504	-61.35	Pk	34.7	-17.4	11.8	-32.25	-27	-5.25	353	227	V
1	5725	-38.57	Pk	34.8	-17.1	11.8	-9.07	27	-36.07	353	227	V

Pk - Peak detector

### BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL RESULT

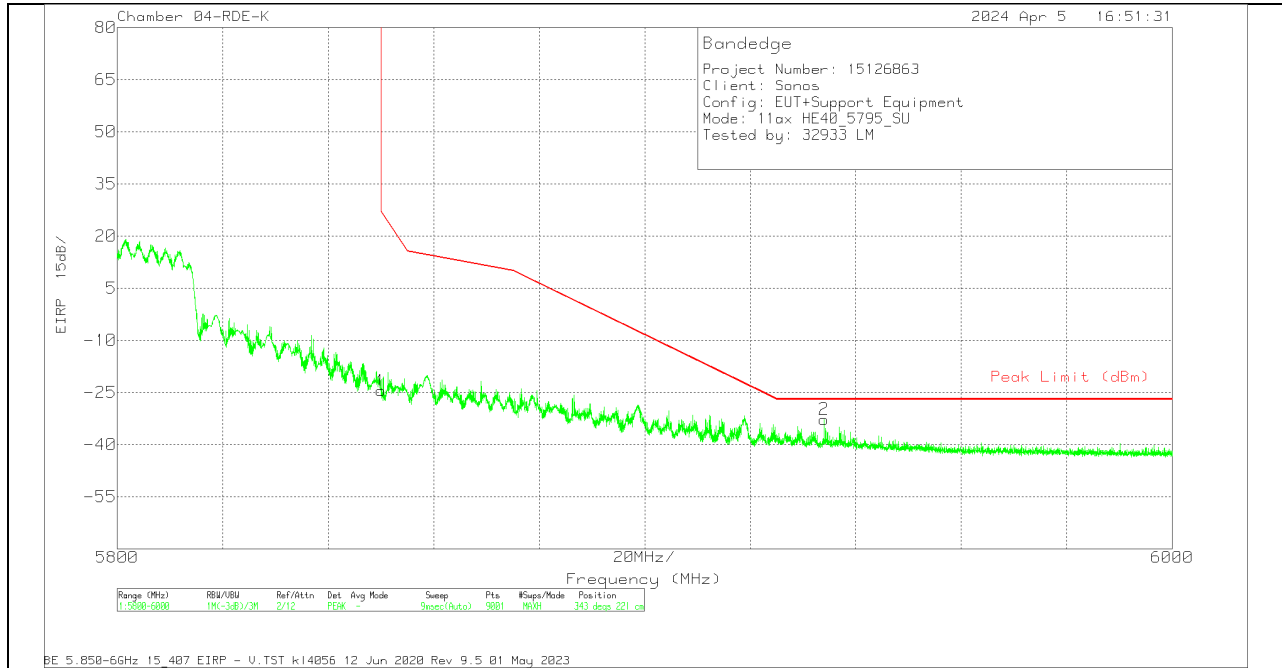


#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-46.19	Pk	35.1	-17.1	11.8	-16.39	27	-43.39	126	239	H
2	5934.91	-58.02	Pk	35.2	-16.8	11.8	-27.82	-27	-82	126	239	H

Pk - Peak detector

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-54.28	Pk	35.1	-17.1	11.8	-24.48	27	-51.48	343	221	V
2	5933.999	-62.83	Pk	35.2	-16.9	11.8	-32.73	-27	-5.73	343	221	V

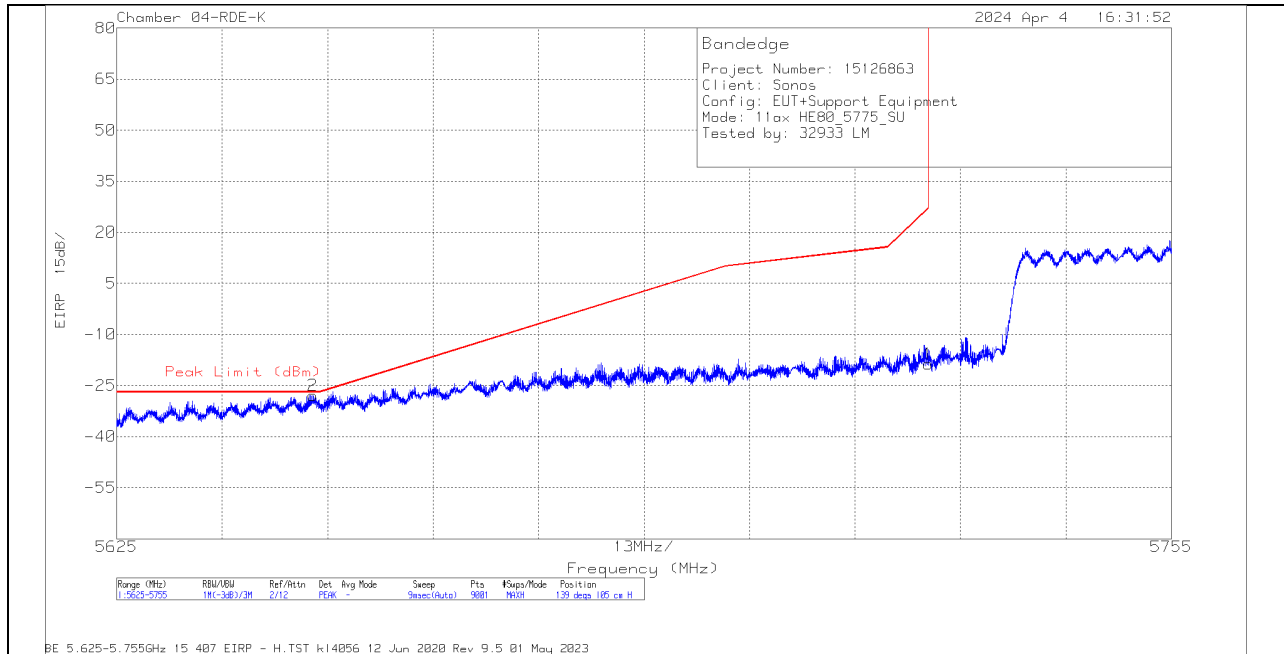
Pk - Peak detector

### 10.1.12. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.8GHz BAND

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

**BANDEDGE (CHANNEL 155 LOW CHANNEL EDGE)**

#### HORIZONTAL RESULT

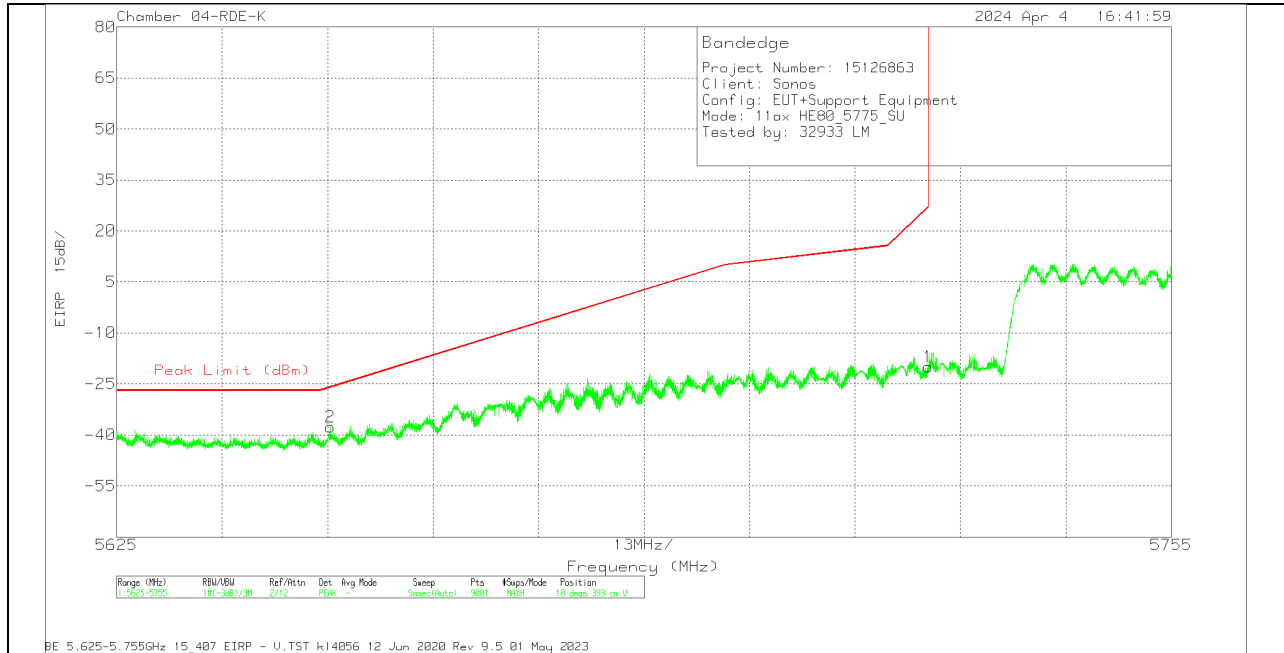


#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5649.165	-56.98	Pk	34.7	-17.4	11.8	-27.88	-27	-.88	139	105	H
1	5725	-48.26	Pk	34.8	-17.1	11.8	-18.76	27	-45.76	139	105	H

Pk - Peak detector

**VERTICAL RESULT**



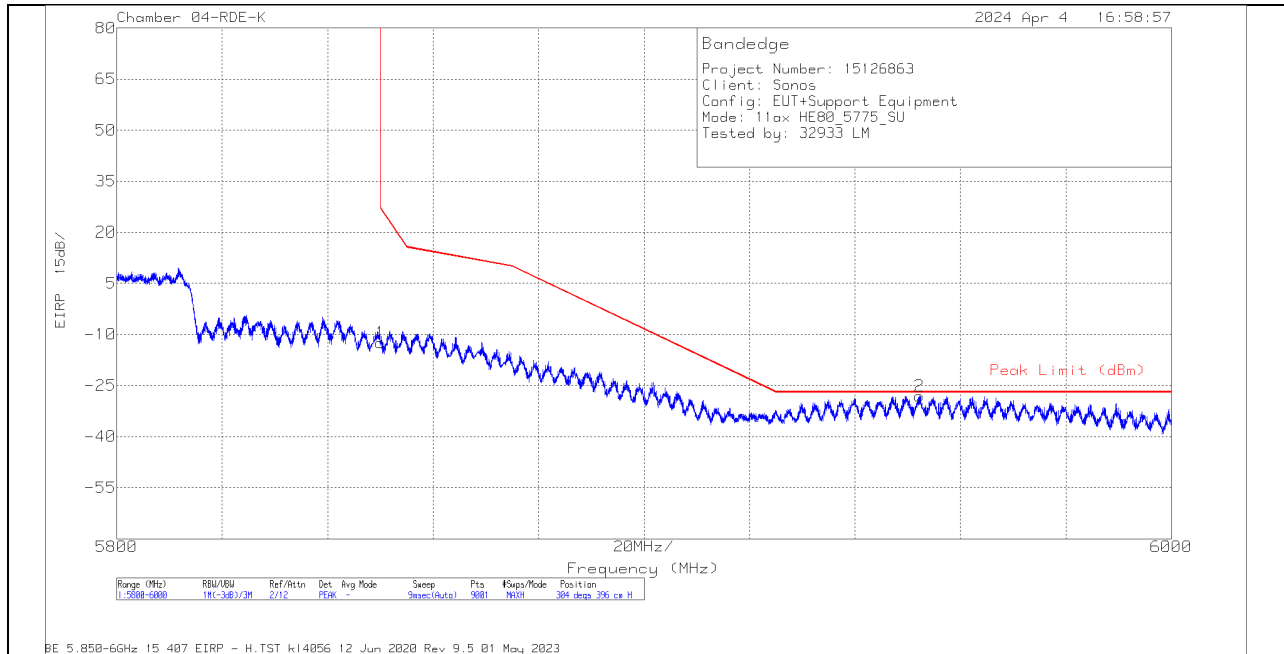
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5651.346	-66.73	Pk	34.7	-17.4	11.8	-37.63	-26	-11.63	10	393	V
1	5725	-49.4	Pk	34.8	-17.1	11.8	-19.9	27	-46.9	10	393	V

Pk - Peak detector

**BANDEDGE (CHANNEL 155 HIGH CHANNEL EDGE)**

**HORIZONTAL RESULT**

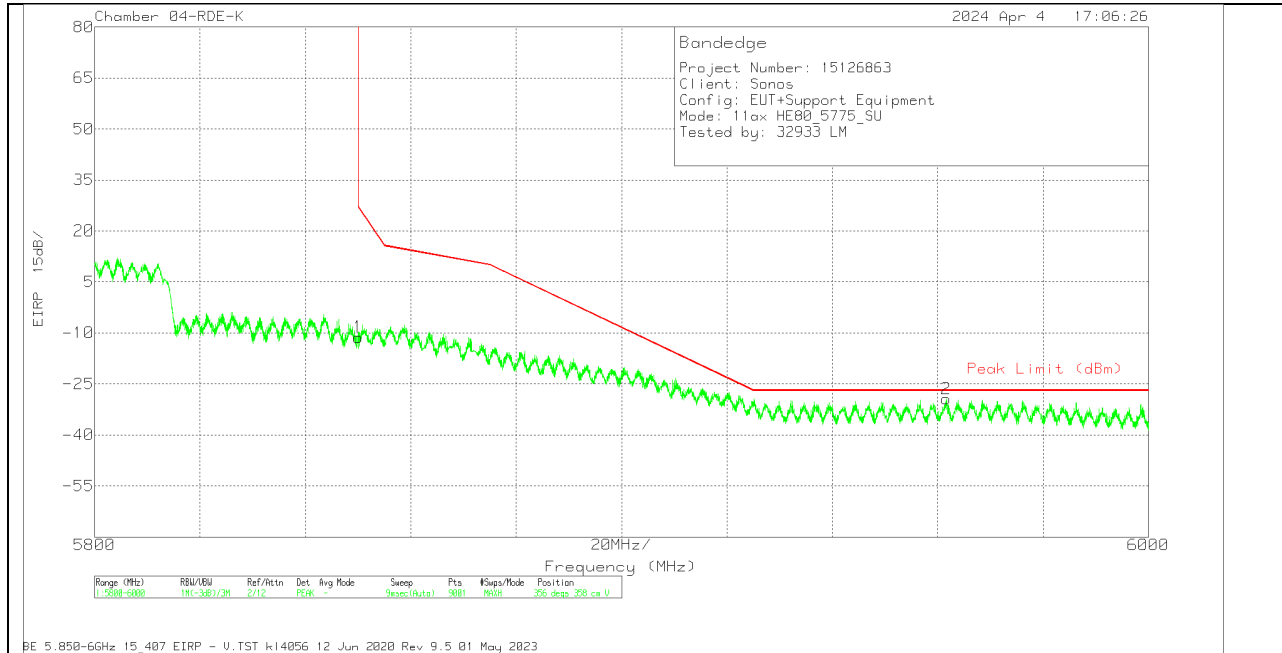


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-42.17	Pk	35.1	-17.1	11.8	-12.37	27	-39.37	304	396	H
2	5952.265	-58.47	Pk	35.2	-16.7	11.8	-28.17	-27	-1.17	304	396	H

Pk - Peak detector

**VERTICAL RESULT**



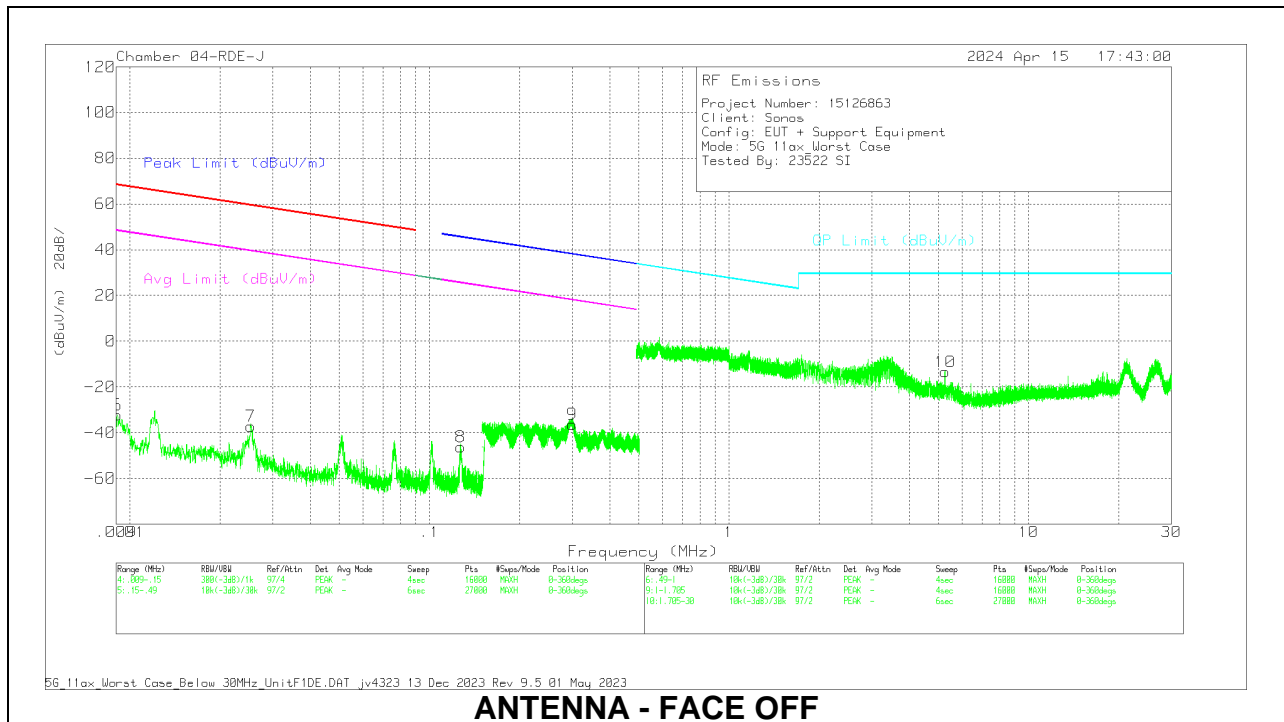
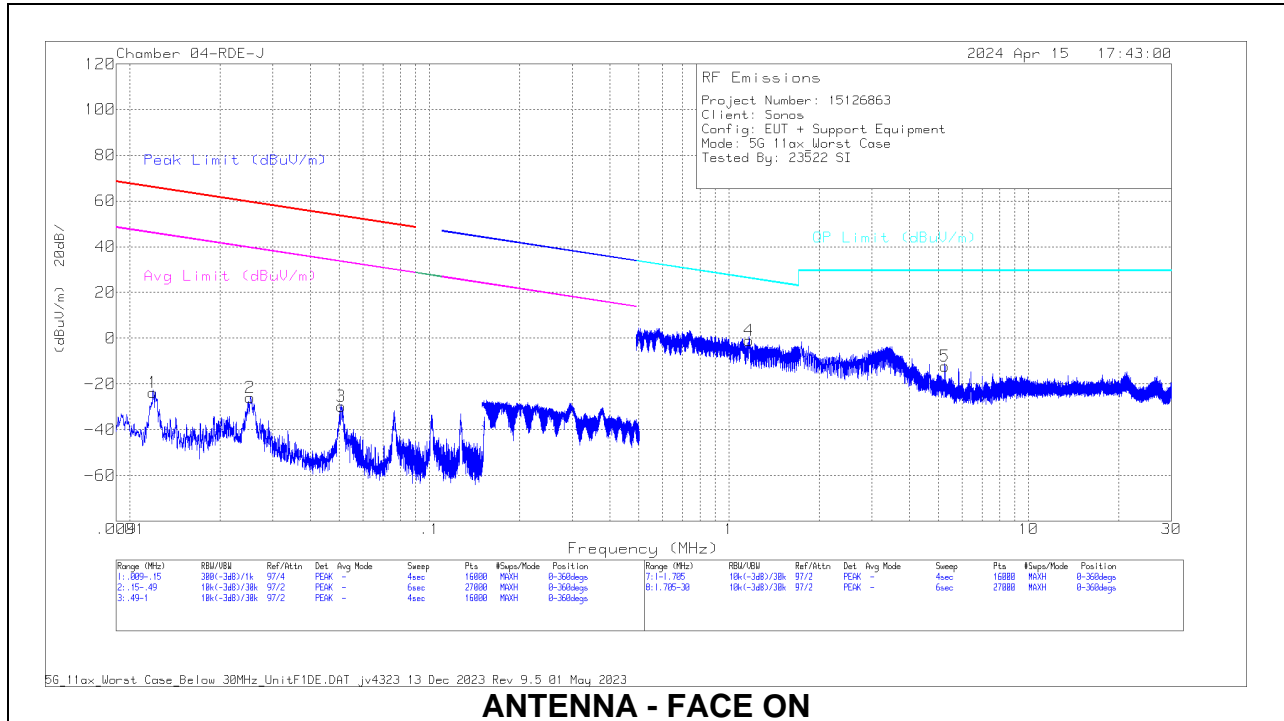
**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80404_ACF (dB/m) - 3mH	Amp/Cbl (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-41.03	Pk	35.1	-17.1	11.8	-11.23	27	-38.23	356	358	V
2	5961.665	-59.74	Pk	35.2	-16.7	11.8	-29.44	-27	-2.44	356	358	V

Pk - Peak detector

## 10.2. WORST CASE BELOW 30MHz

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





**Below 30MHz Data**

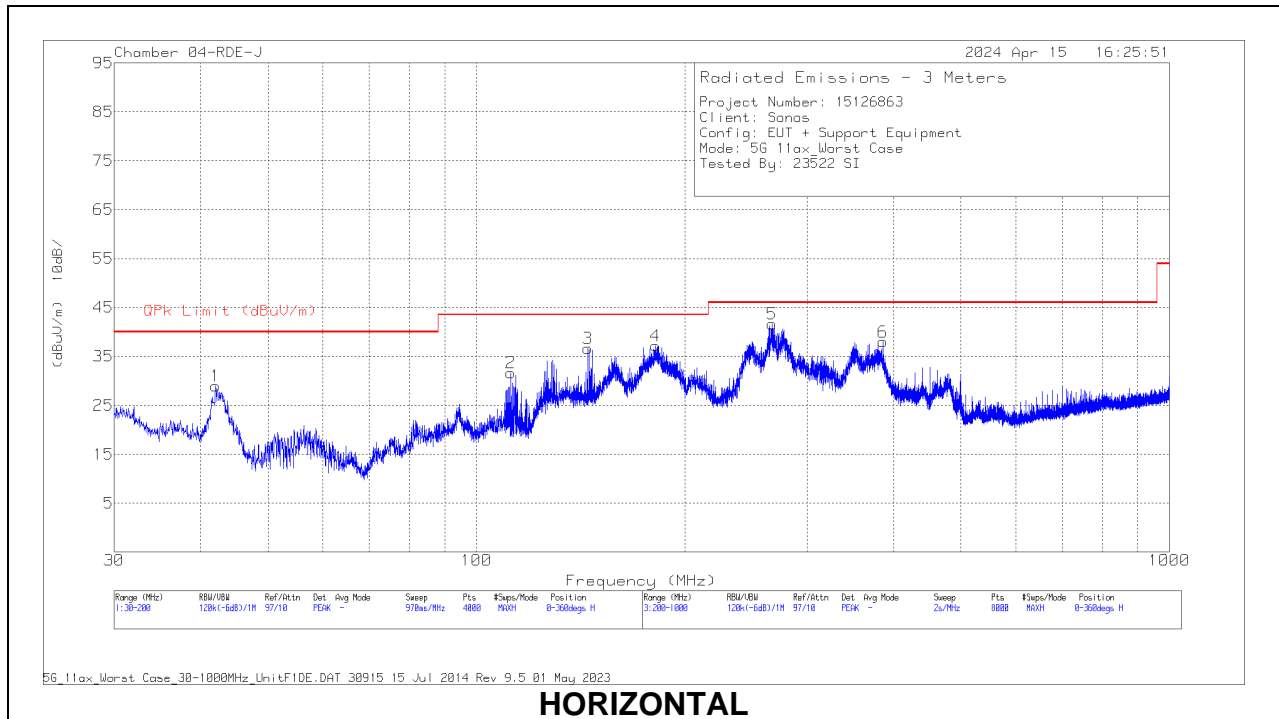
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF)	CBL/AMP (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity (Degs)
6	.0091	16.76	Pk	61.1	-30.2	-80	-32.34	68.43	-100.77	48.43	-80.77	0-360	90-degs
1	.0119	26.57	Pk	60	-30.4	-80	-23.83	66.06	-89.89	46.06	-69.89	0-360	0-deg
2	.0252	27.36	Pk	58.4	-31.7	-80	-25.94	59.55	-85.49	39.55	-65.49	0-360	0-deg
7	.0254	16.21	Pk	58.4	-31.7	-80	-37.09	59.5	-96.59	39.5	-76.59	0-360	90-degs
3	.0508	25.06	Pk	56.9	-31.7	-80	-29.74	53.47	-83.21	33.47	-63.21	0-360	0-deg
8	.1272	10.62	Pk	55.7	-32.5	-80	-46.18	45.54	-91.72	25.54	-71.72	0-360	90-degs
9	.2992	19.66	Pk	56.1	-32.1	-80	-36.34	38.09	-74.43	18.09	-54.43	0-360	90-degs

Pk - Peak detector

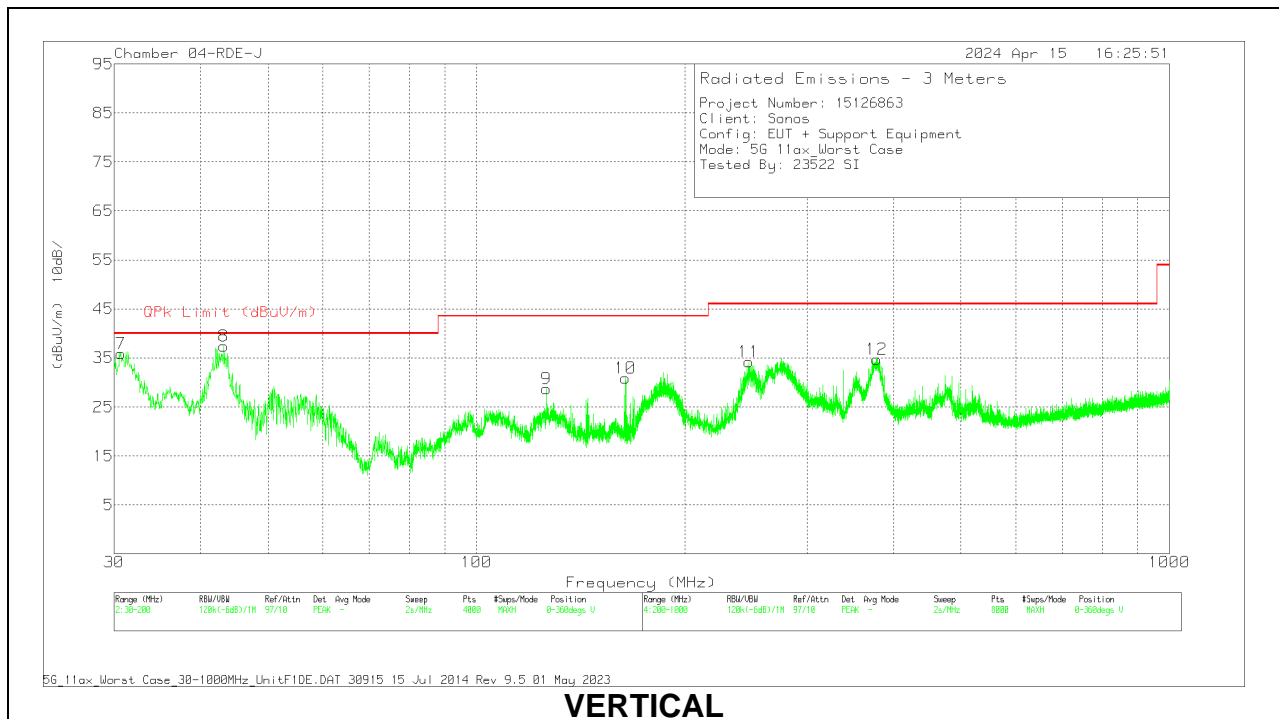
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF)	CBL/AMP (dB)	Dist Corr 30m 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity (Degs)
4	1.1688	25.52	Pk	45.7	-32.1	-40	-88	26.27	-27.15	0-360	0-deg
5	5.2567	23.92	Pk	35.8	-31.9	-40	-12.18	29.5	-41.68	0-360	0-deg
10	5.2609	22.64	Pk	35.8	-31.9	-40	-13.46	29.5	-42.96	0-360	90-degs

Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHz



**HORIZONTAL**



**VERTICAL**

**Below 1GHz DATA**

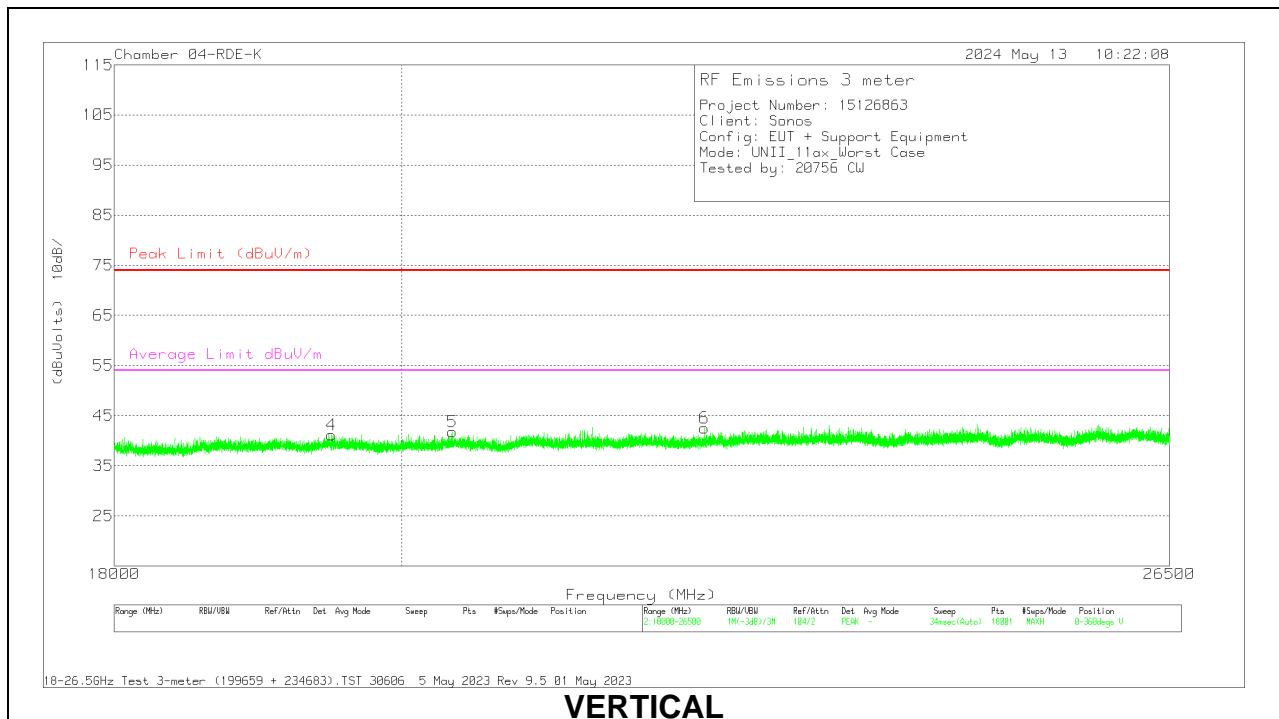
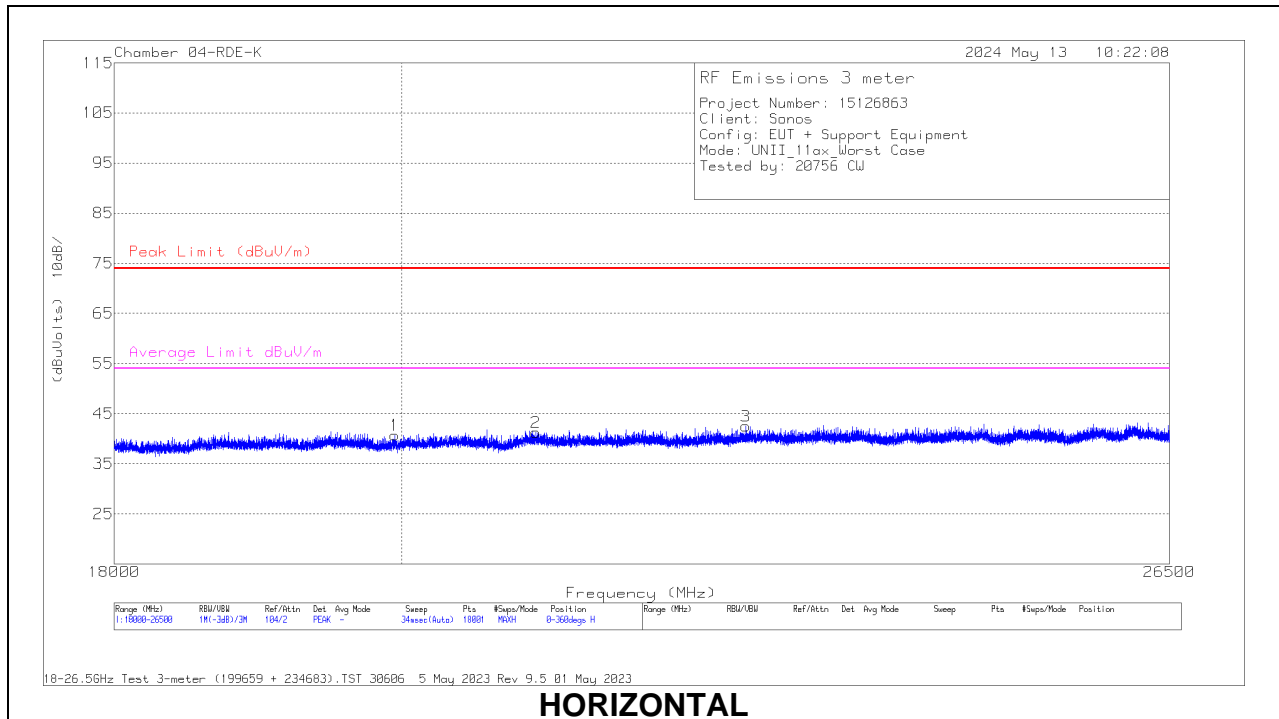
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 111.961	43.99	Pk	18.9	-31.2	31.69	43.52	-11.83	0-360	199	H
9	* 126.287	39.82	Pk	20	-31.1	28.72	43.52	-14.8	0-360	100	V
10	* 164.08	43.93	Pk	17.9	-30.9	30.93	43.52	-12.59	0-360	100	V
5	* 266.787	49.52	Qp	18.8	-30.5	37.82	46.02	-8.2	84	110	H
11	* 247.206	47.28	Pk	17.5	-30.6	34.18	46.02	-11.84	0-360	199	V
7	30.6187	38.91	Qp	26.3	-31.8	33.41	40	-6.59	355	110	V
1	42.0306	42.39	Pk	18.3	-31.7	28.99	40	-11.01	0-360	399	H
8	43.1948	44.69	Qp	17.5	-31.7	30.49	40	-9.51	199	105	V
3	144.865	49	Pk	18.7	-31	36.7	43.52	-6.82	0-360	199	H
4	181.339	51.02	Pk	17	-30.8	37.22	43.52	-6.3	0-360	199	H
12	377.823	44.02	Pk	20.9	-30.2	34.72	46.02	-11.3	0-360	101	V
6	385.824	47.19	Pk	20.9	-30.1	37.99	46.02	-8.03	0-360	99	H

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

Pk - Peak detector

Qp - Quasi-Peak detector

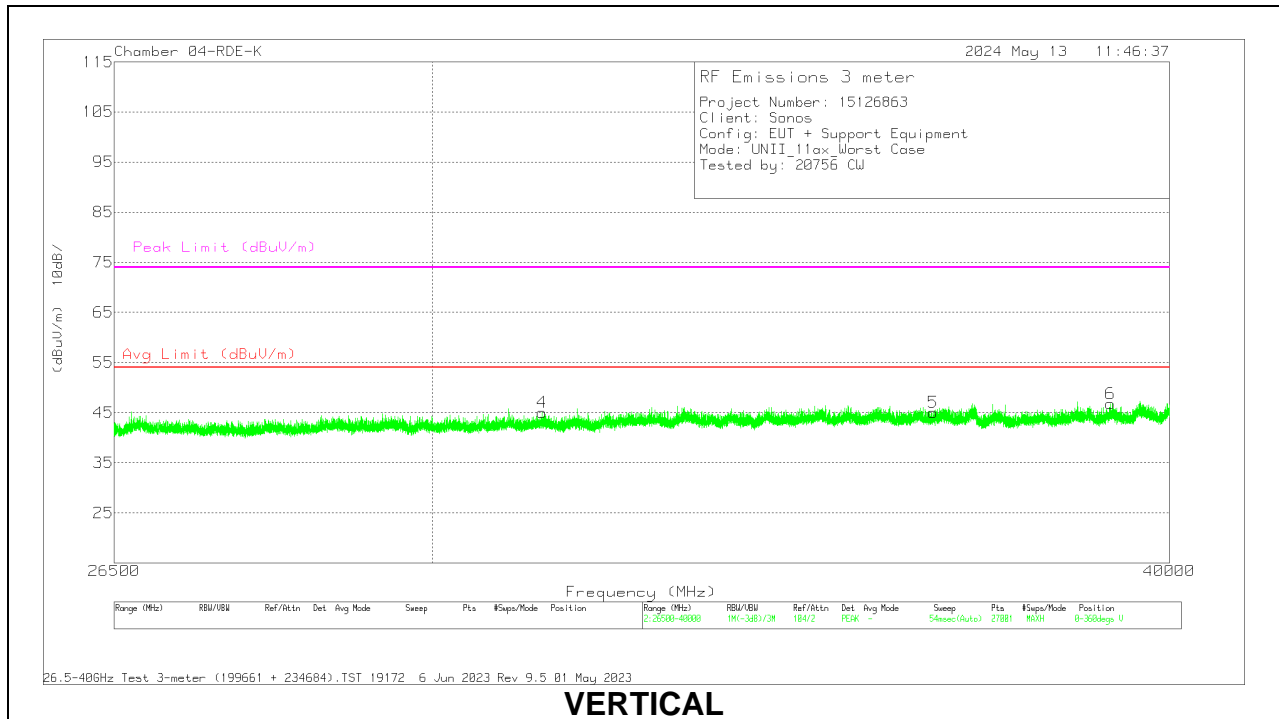
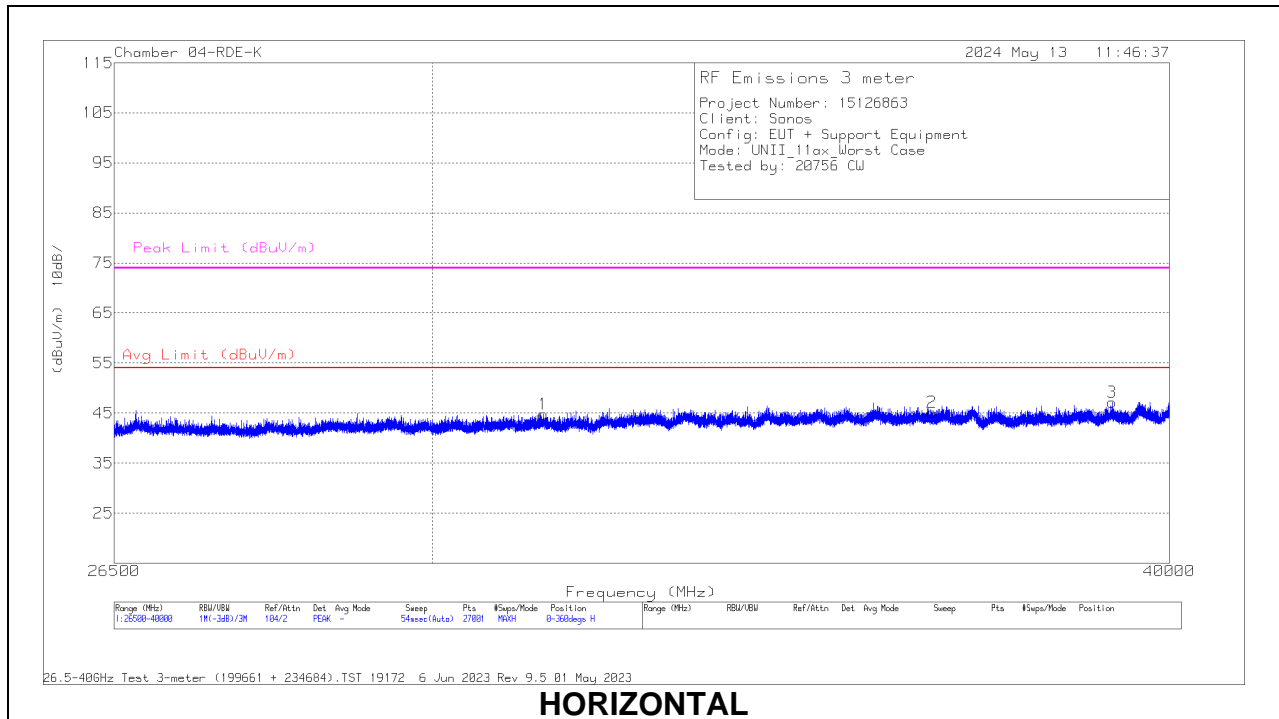
### 10.4. WORST CASE 18-26 GHZ



**18 – 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	* 19951.694	51.81	Pk	32.7	-62.5	18.7	40.71	74	-33.29	-	-	0-360	101	H
2	* 21006.165	50.12	Pk	33	-61.1	19.2	41.22	74	-32.78	-	-	0-360	101	H
3	* 22687.748	51.77	Pk	33.3	-62.5	19.9	42.47	74	-31.53	-	-	0-360	200	H
4	* 19494.11	52.86	Pk	32.6	-62.8	18.5	41.16	74	-32.84	-	-	0-360	200	V
5	* 20374.332	51.69	Pk	32.9	-61.7	18.9	41.79	74	-32.21	-	-	0-360	200	V
6	* 22347.276	52.11	Pk	33.3	-62.6	19.7	42.51	74	-31.49	-	-	0-360	200	V

### 10.5. WORST CASE 26-40 GHz



**26 – 40GHz 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	* 31329	45.86	Pk	36.7	-61.4	23.6	44.76	-	-	74	-29.24	0-360	200	H
2	* 36461	44.46	Pk	37.6	-62.8	25.9	45.16	-	-	74	-28.84	0-360	200	H
3	* 39114.5	46.08	Pk	38.1	-64	27	47.18	-	-	74	-26.82	0-360	200	H
4	* 31317	45.99	Pk	36.7	-61.3	23.6	44.99	-	-	74	-29.01	0-360	200	V
5	* 36474.5	44.34	Pk	37.6	-62.8	25.9	45.04	-	-	74	-28.96	0-360	200	V
6	* 39091	45.72	Pk	38.1	-64	27	46.82	-	-	74	-27.18	0-360	101	V

Avg - Video bandwidth < Resolution bandwidth

## 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.

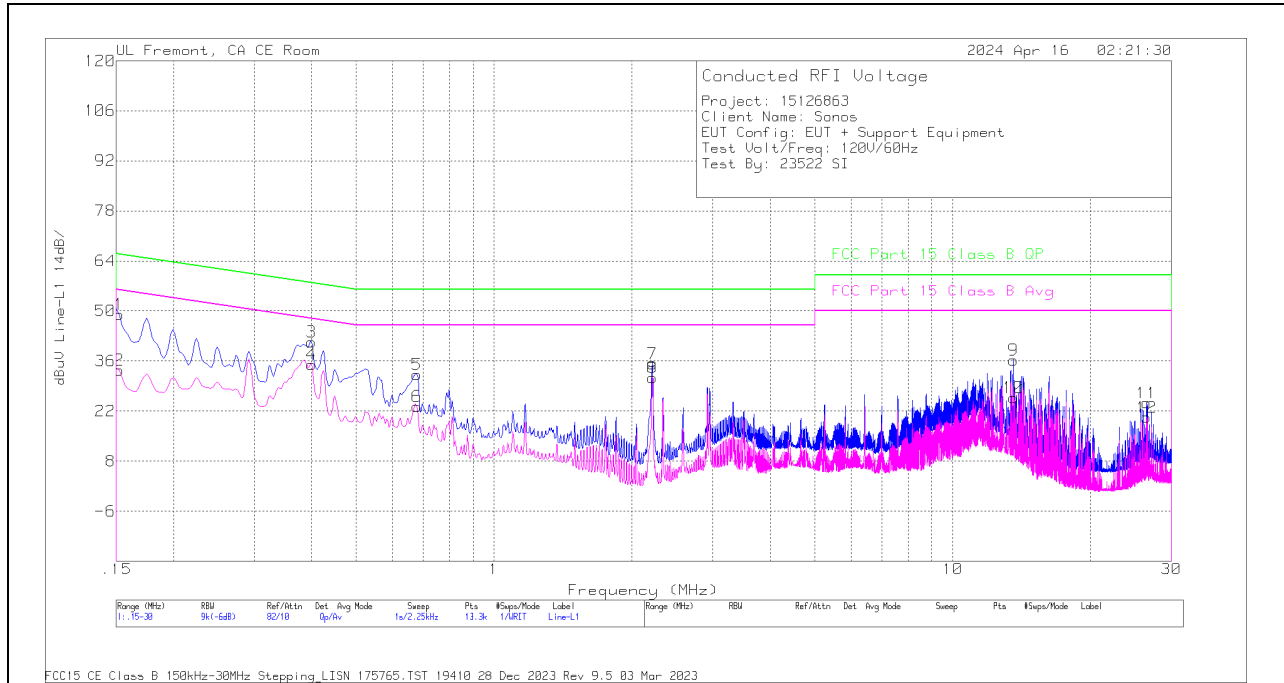
Line conducted data is recorded for both NEUTRAL and HOT lines.

### RESULTS



**AC POWER LINE**

**LINE 1 RESULTS**



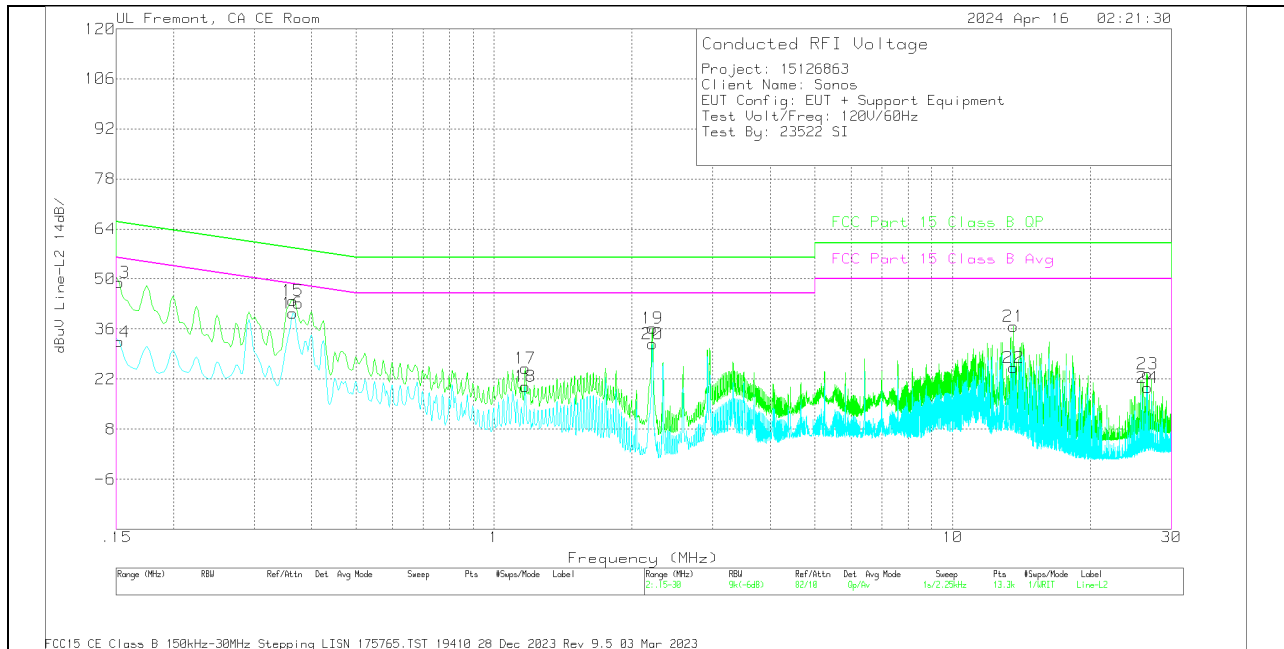
**Trace Markers**

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	23.86	Av	.1	0	9.5	33.46	-	-	55.88	-22.42
4	.3998	25.55	Av	0	0	9.4	34.95	-	-	47.86	-12.91
6	.6788	13.89	Av	0	.1	9.3	23.29	-	-	46	-22.71
8	2.2133	21.81	Av	0	.1	9.4	31.31	-	-	46	-14.69
10	13.5623	15.86	Av	.1	.3	9.5	25.76	-	-	50	-24.24
12	26.4863	10.32	Av	.2	.3	9.4	20.22	-	-	50	-29.78
1	.1523	39.44	Qp	.1	0	9.5	49.04	65.88	-16.84	-	-
3	.3998	31.98	Qp	0	0	9.4	41.38	57.86	-16.48	-	-
5	.6788	22.77	Qp	0	.1	9.3	32.17	56	-23.83	-	-
7	2.2133	25.71	Qp	0	.1	9.4	35.21	56	-20.79	-	-
9	13.5623	26.3	Qp	.1	.3	9.5	36.2	60	-23.8	-	-
11	26.4863	14.34	Qp	.2	.3	9.4	24.24	60	-35.76	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

**LINE 2 RESULTS**



**Trace Markers**

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	22.87	Av	.1	0	9.5	32.47	-	-	55.88	-23.41	
16	.3638	31.01	Av	0	.1	9.4	40.51	-	-	48.64	-8.13	
18	1.1693	10.33	Av	0	.2	9.4	19.93	-	-	46	-26.07	
20	2.2133	22.36	Av	0	.1	9.4	31.86	-	-	46	-14.14	
22	13.56	15.44	Av	.1	.2	9.5	25.24	-	-	50	-24.76	
24	26.6078	9.69	Av	.2	.3	9.4	19.59	-	-	50	-30.41	
13	.1523	39.43	Qp	.1	0	9.5	49.03	65.88	-16.85	-	-	
15	.3638	34.48	Qp	0	.1	9.4	43.98	58.64	-14.66	-	-	
17	1.1693	15.46	Qp	0	.2	9.4	25.06	56	-30.94	-	-	
19	2.2155	26.69	Qp	0	.1	9.4	36.19	56	-19.81	-	-	
21	13.56	27.01	Qp	.1	.2	9.5	36.81	60	-23.19	-	-	
23	26.6078	13.51	Qp	.2	.3	9.4	23.41	60	-36.59	-	-	

Qp - Quasi-Peak detector

Ca - CISPR average detection

## **12. SETUP PHOTOS:**

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

**END OF TEST REPORT**