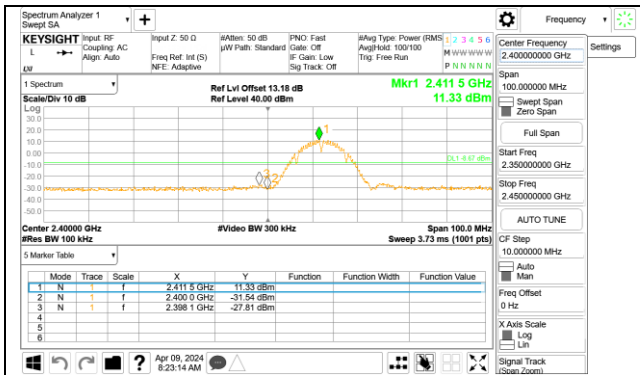
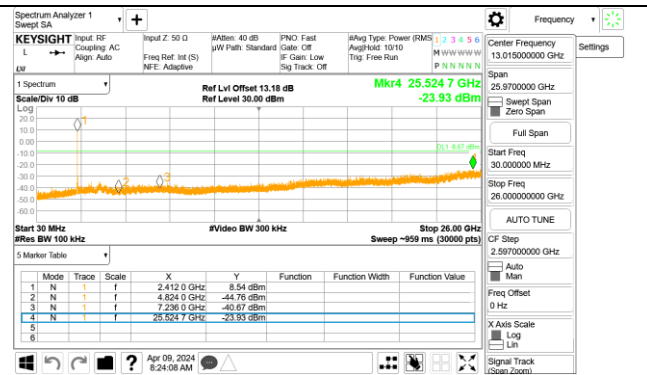


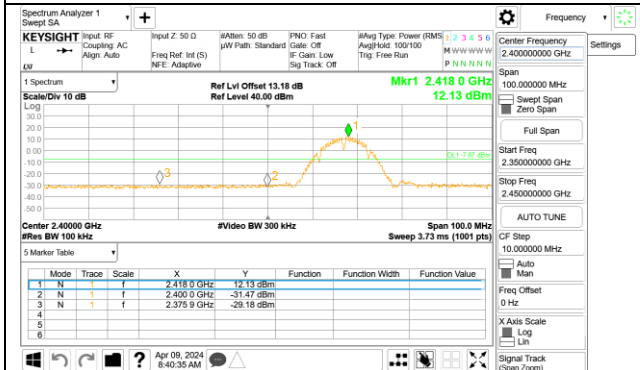
**9.7.1. 802.11b MODE**  
**2TX Antenna 1 + Antenna 3 CDD MODE**



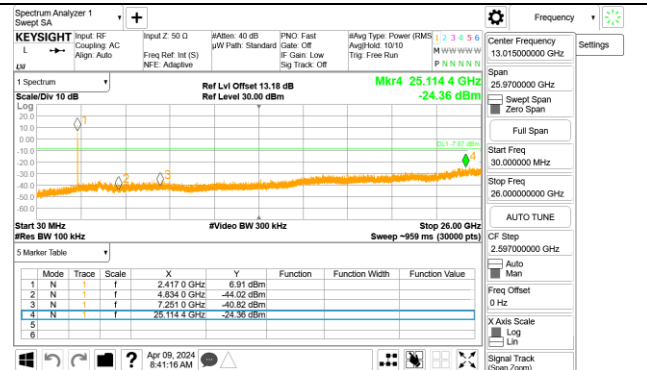
**LOW CHANNEL 1 BANDEDGE Antenna 1**



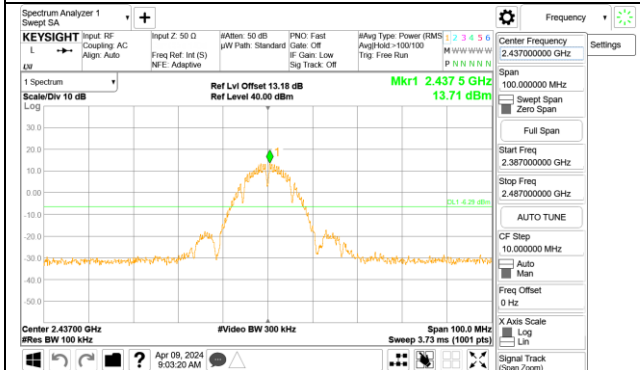
**OUT-OF-BAND LOW CHANNEL 1 Antenna 1**



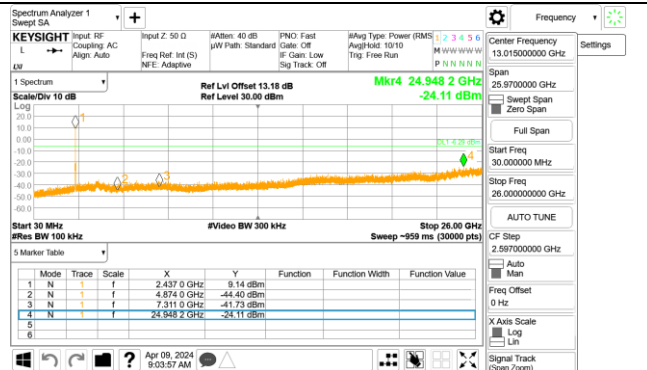
**LOW CHANNEL 2 BANDEDGE Antenna 1**



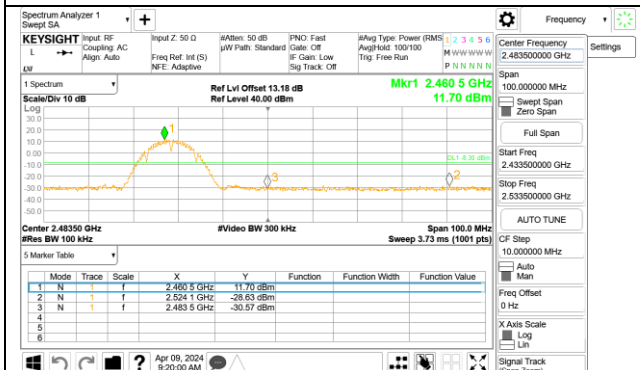
**OUT-OF-BAND LOW CHANNEL 2 Antenna 1**



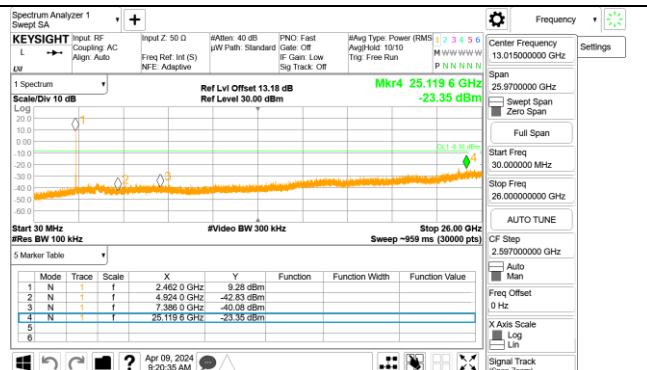
**IN-BAND REFERENCE LEVEL Antenna 1**



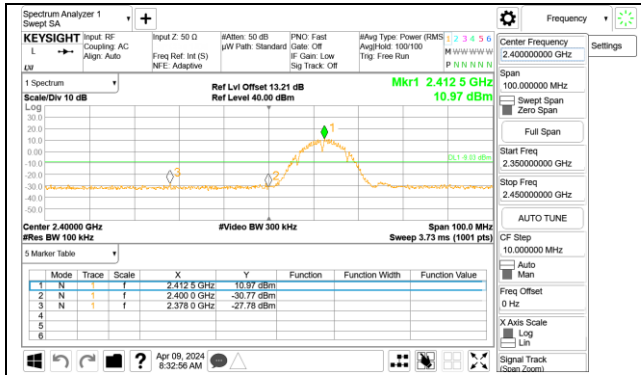
**OUT-OF-BAND MID CHANNEL Antenna 1**



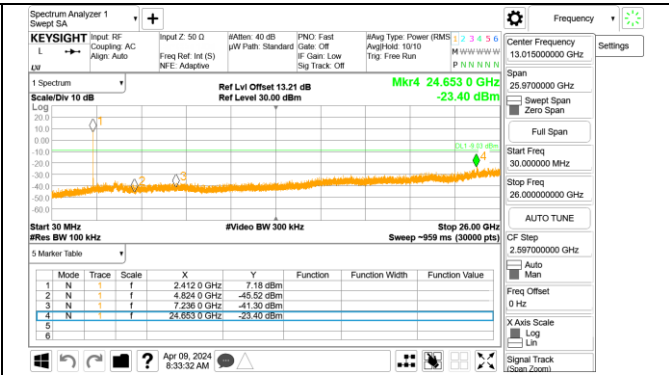
**HIGH CHANNEL 11 BANDEDGE Antenna 1**



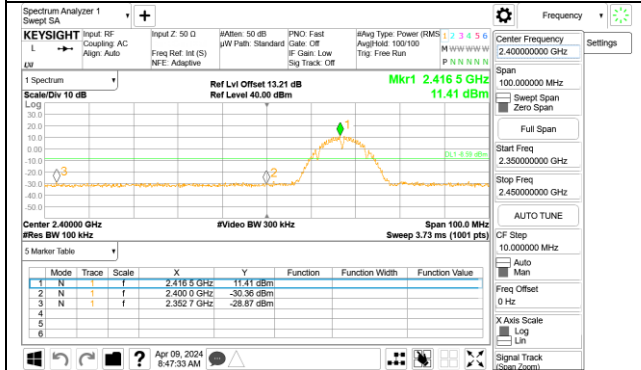
**OUT-OF-BAND HIGH CHANNEL 11 Antenna 1**



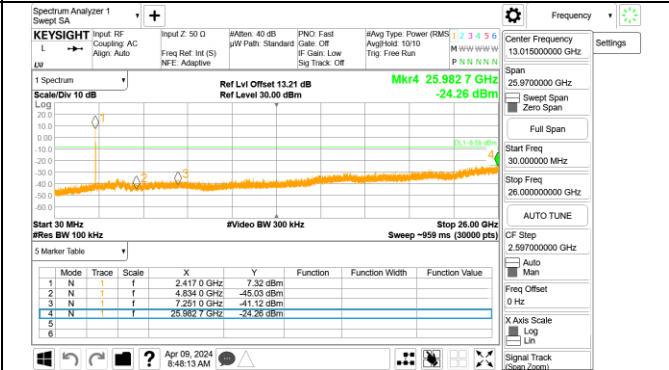
**LOW CHANNEL 1 BANDEDGE Antenna 3**



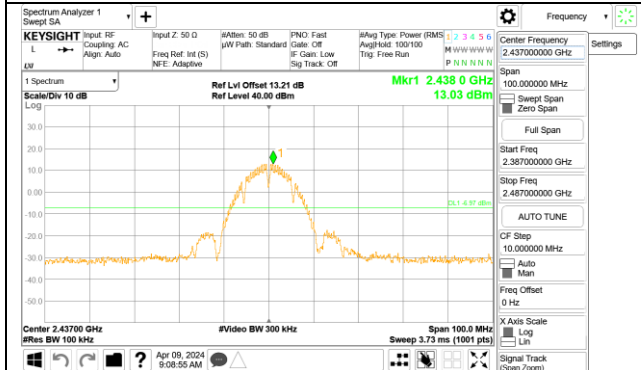
**OUT-OF-BAND LOW CHANNEL 1 Antenna 3**



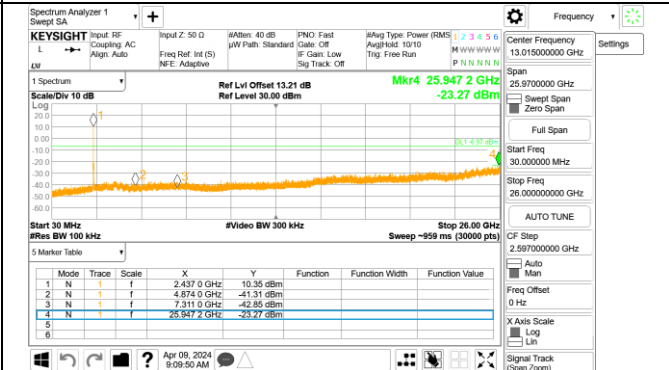
**LOW CHANNEL 2 BANDEDGE Antenna 3**



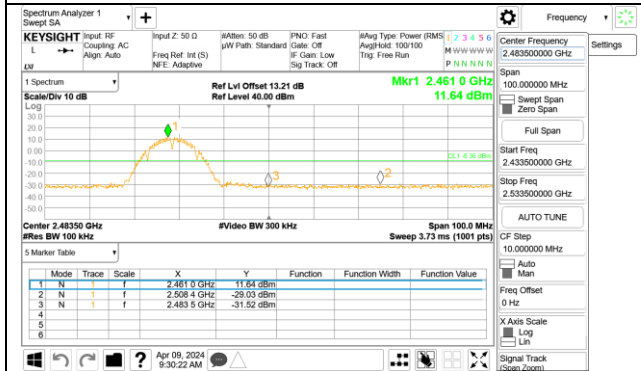
**OUT-OF-BAND LOW CHANNEL 2 Antenna 3**



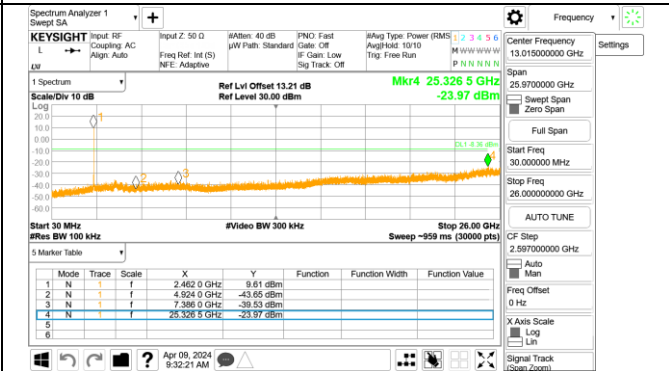
**IN-BAND REFERENCE LEVEL Antenna 3**



**OUT-OF-BAND MID CHANNEL Antenna 3**



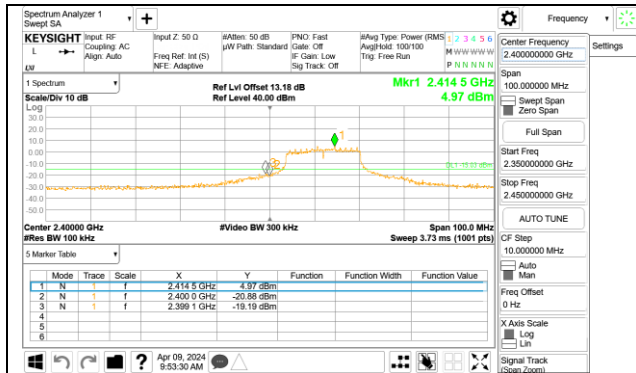
**HIGH CHANNEL 11 BANDEDGE Antenna 3**



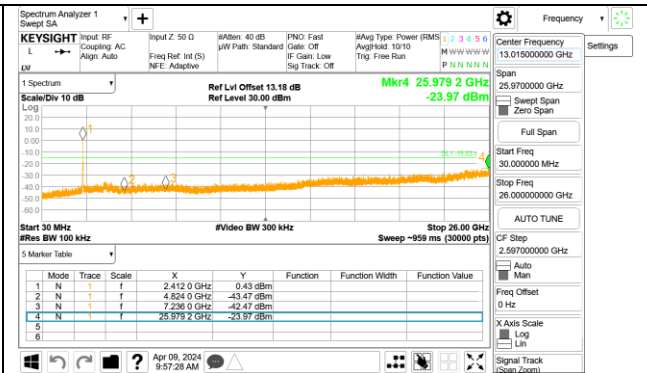
**OUT-OF-BAND HIGH CHANNEL 11 Antenna 3**

### 9.7.2. 802.11g MODE

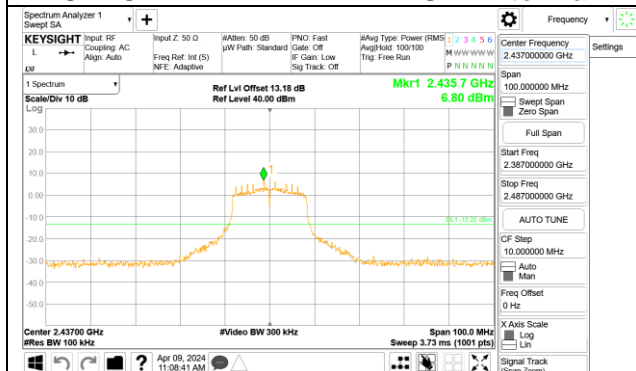
#### 2TX Antenna 1 + Antenna 3 CDD MODE



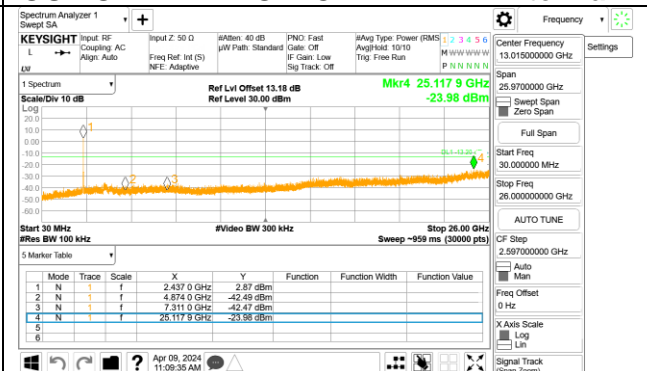
**LOW CHANNEL 1 BANDEDGE Antenna 1**



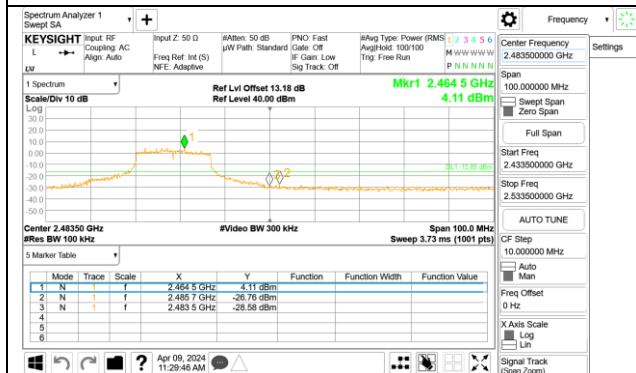
**OUT-OF-BAND LOW CHANNEL 1 Antenna 1**



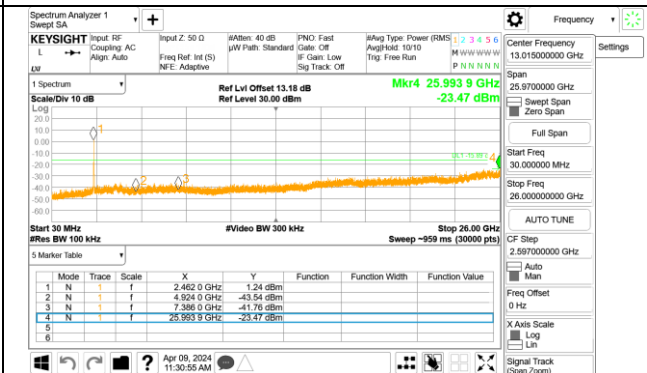
**IN-BAND REFERENCE LEVEL Antenna 1**



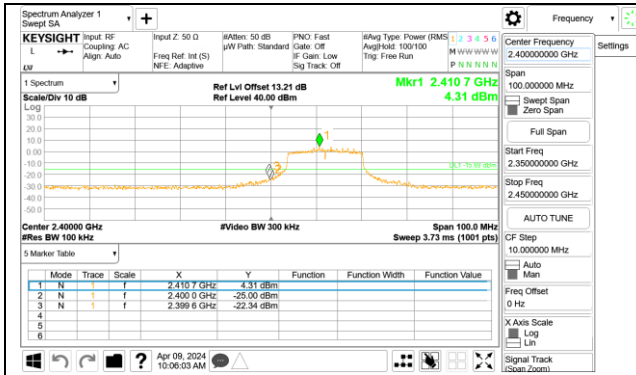
**OUT-OF-BAND MID CHANNEL Antenna 1**



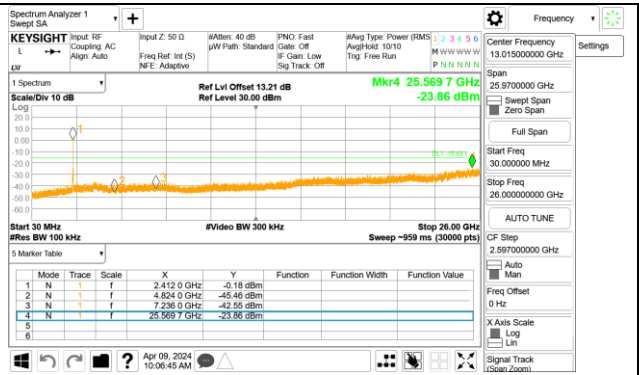
**HIGH CHANNEL 11 BANDEDGE Antenna 1**



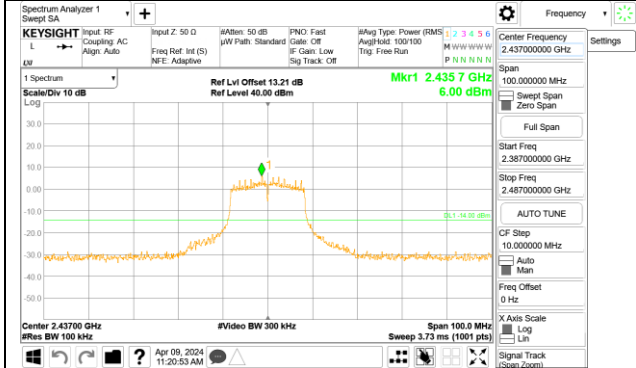
**OUT-OF-BAND HIGH CHANNEL 11 Antenna 1**



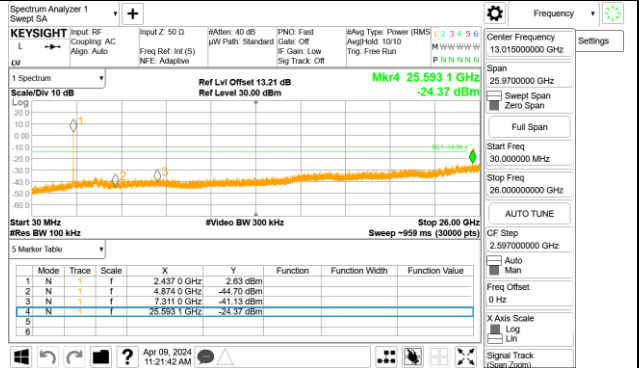
**LOW CHANNEL 1 BANDEGE Antenna 3**



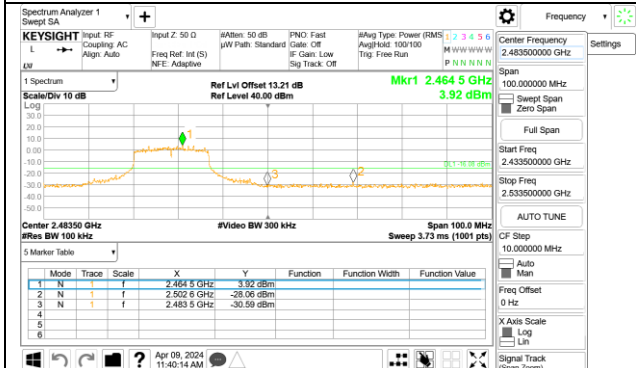
**OUT-OF-BAND LOW CHANNEL 1 Antenna 3**



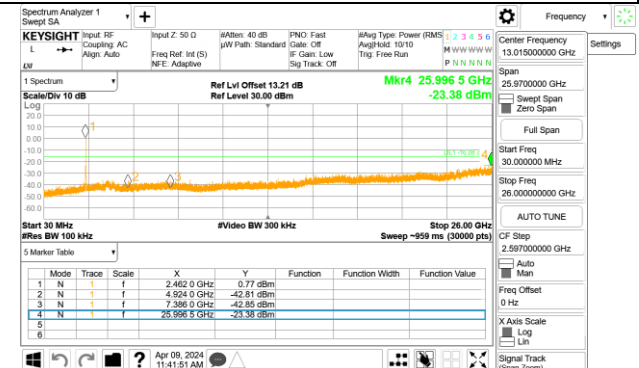
**IN-BAND REFERENCE LEVEL Antenna 3**



**OUT-OF-BAND MID CHANNEL Antenna 3**

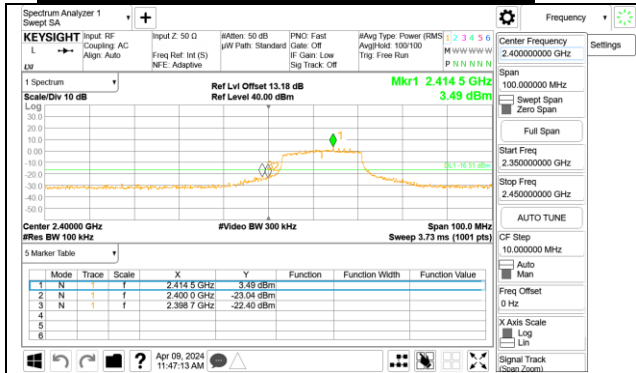


**HIGH CHANNEL 11 BANDEGE Antenna 3**

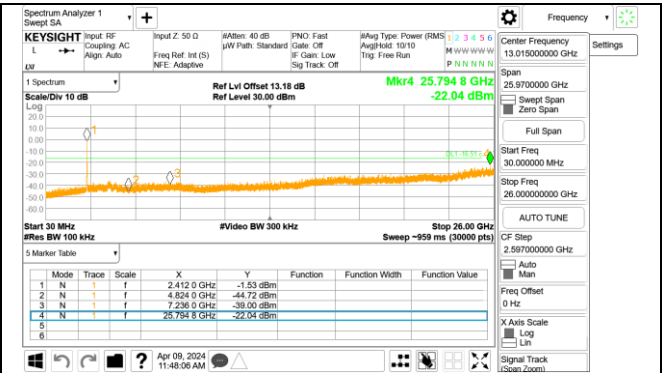


**OUT-OF-BAND HIGH CHANNEL 11 Antenna 3**

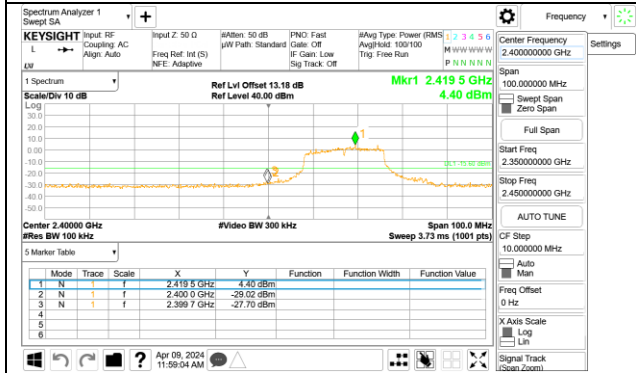
### 9.7.3. 802.11n HT20 MODE 2TX Antenna 1 + Antenna 3 CDD MODE



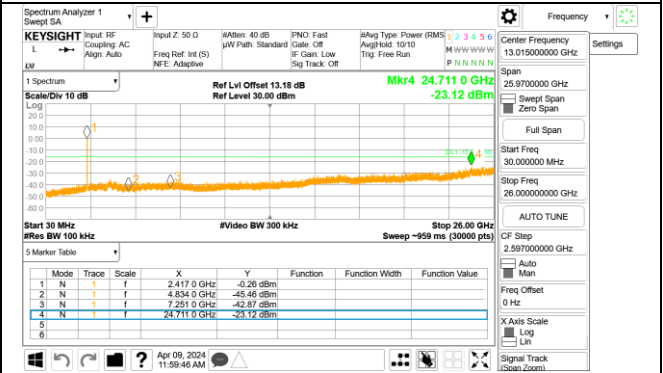
LOW CHANNEL 1 BANDEDGE Antenna 1



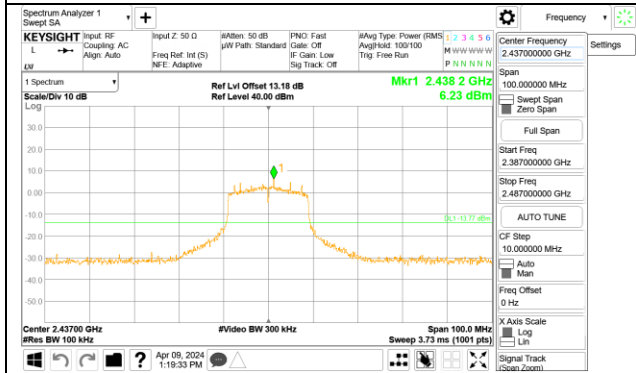
OUT-OF-BAND LOW CHANNEL 1 Antenna 1



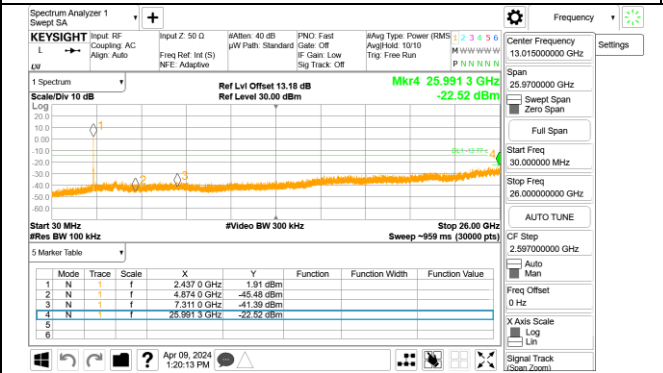
LOW CHANNEL 2 BANDEDGE Antenna 1



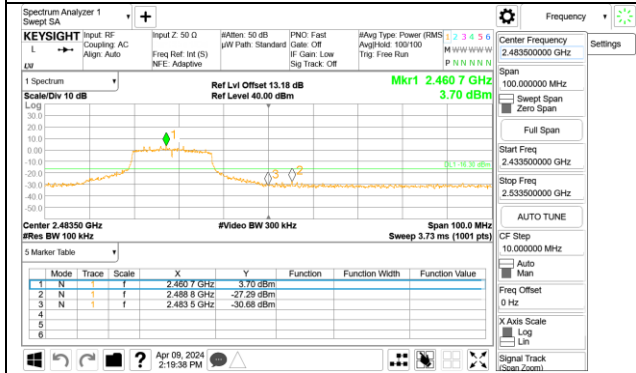
OUT-OF-BAND LOW CHANNEL 2 Antenna 1



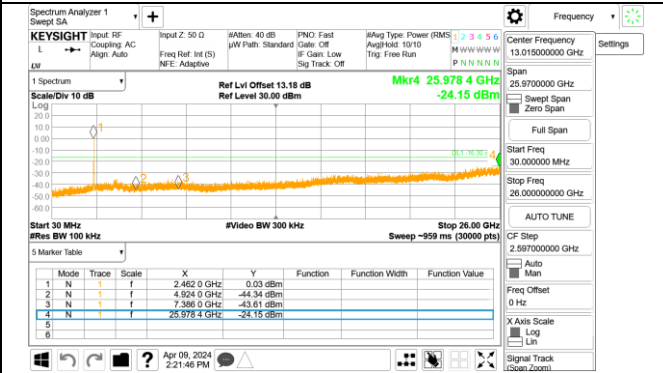
IN-BAND REFERENCE LEVEL Antenna 1



OUT-OF-BAND MID CHANNEL Antenna 1

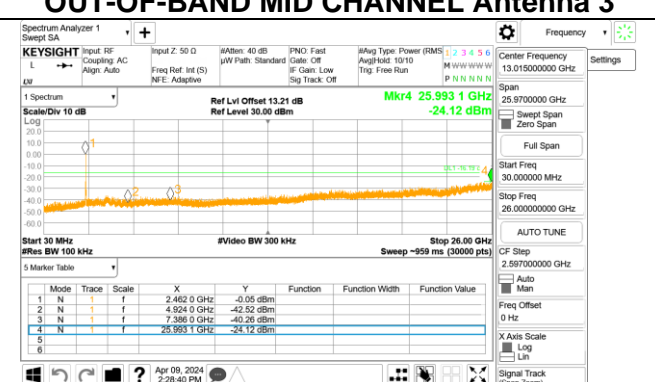
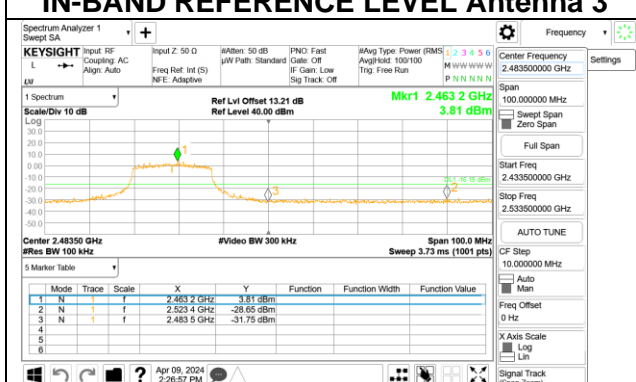
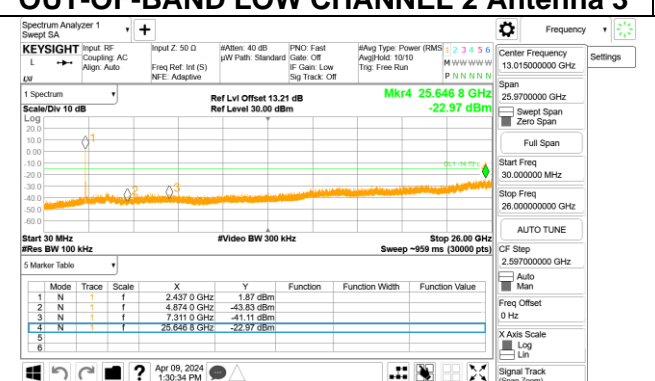
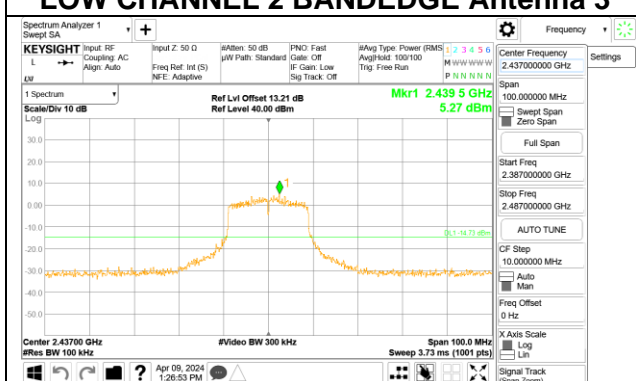
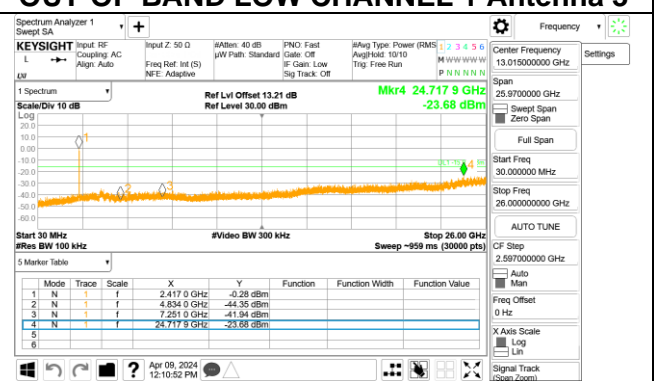
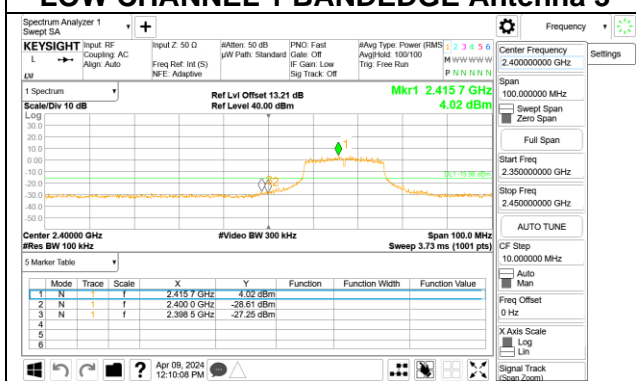
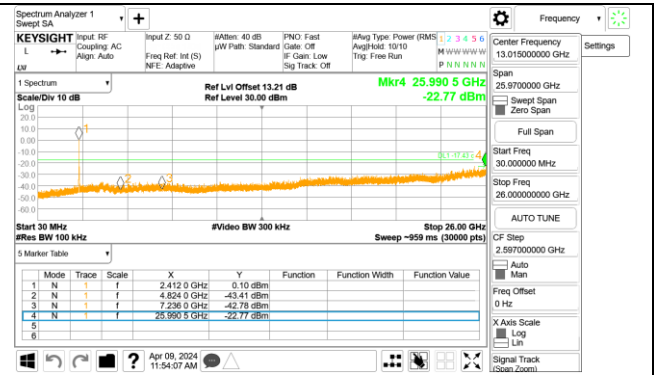
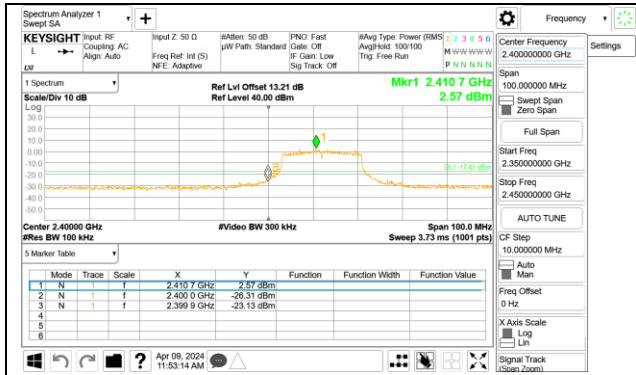


HIGH CHANNEL 11 BANDEDGE Antenna 1



OUT-OF-BAND HIGH CHANNEL 11 Antenna 1





## 10. RADIATED TEST RESULTS

### LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
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 in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

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 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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.

Base 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 47 CFR, 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.



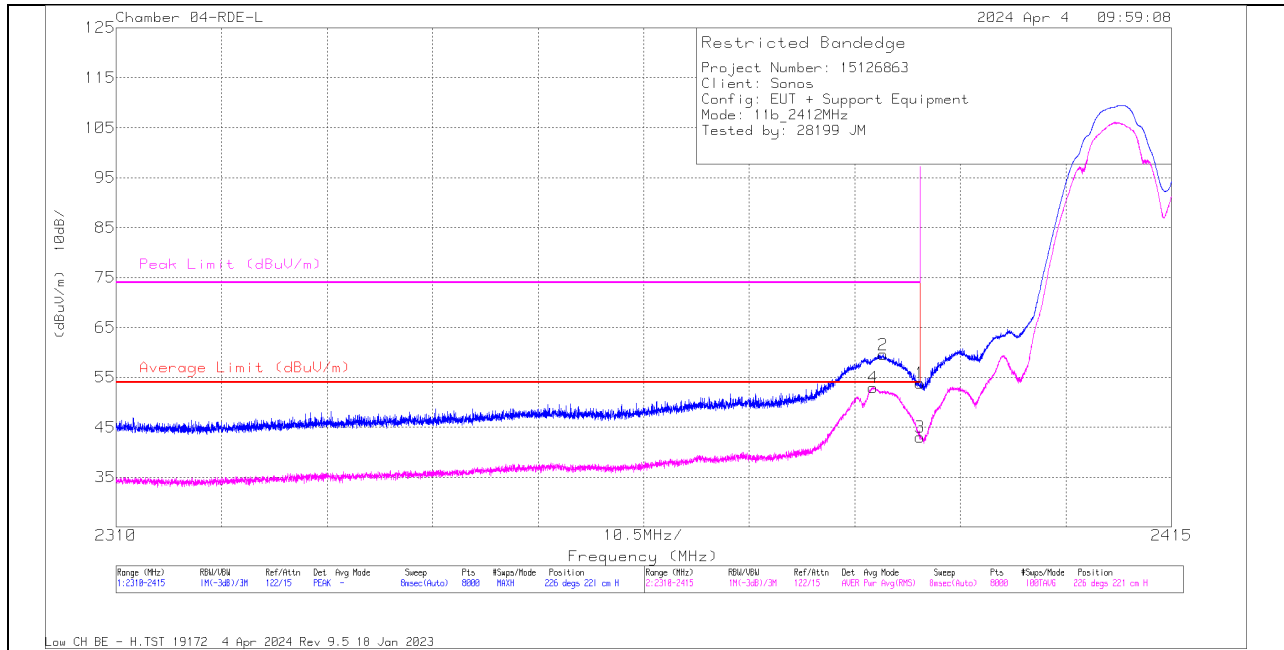
## 10.1. TRANSMITTER ABOVE 1 GHz

### 10.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

#### 2TX Antenna 1 + Antenna 3 CDD MODE

#### BANDEDGE (LOW CHANNEL, CH 1)

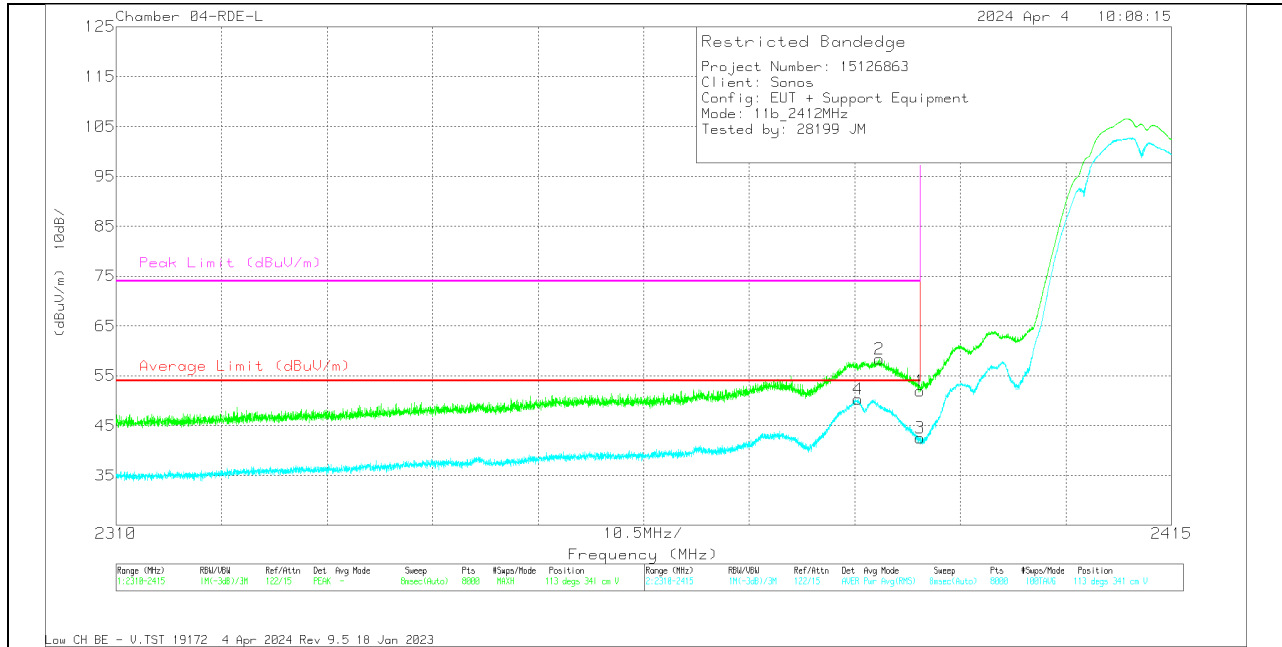
#### HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	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
1	* 2390	46.01	Pk	32.1	-24.3	0	53.81	-	-	74	-20.19	226	221	H
2	* 2386.334	51.87	Pk	32	-24.3	0	59.57	-	-	74	-14.43	226	221	H
3	* 2390	34.97	RMS	32.1	-24.3	.31	43.08	54	-10.92	-	-	226	221	H
4	* 2385.296	44.95	RMS	32	-24.3	.31	52.96	54	-1.04	-	-	226	221	H

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

### VERTICAL RESULT

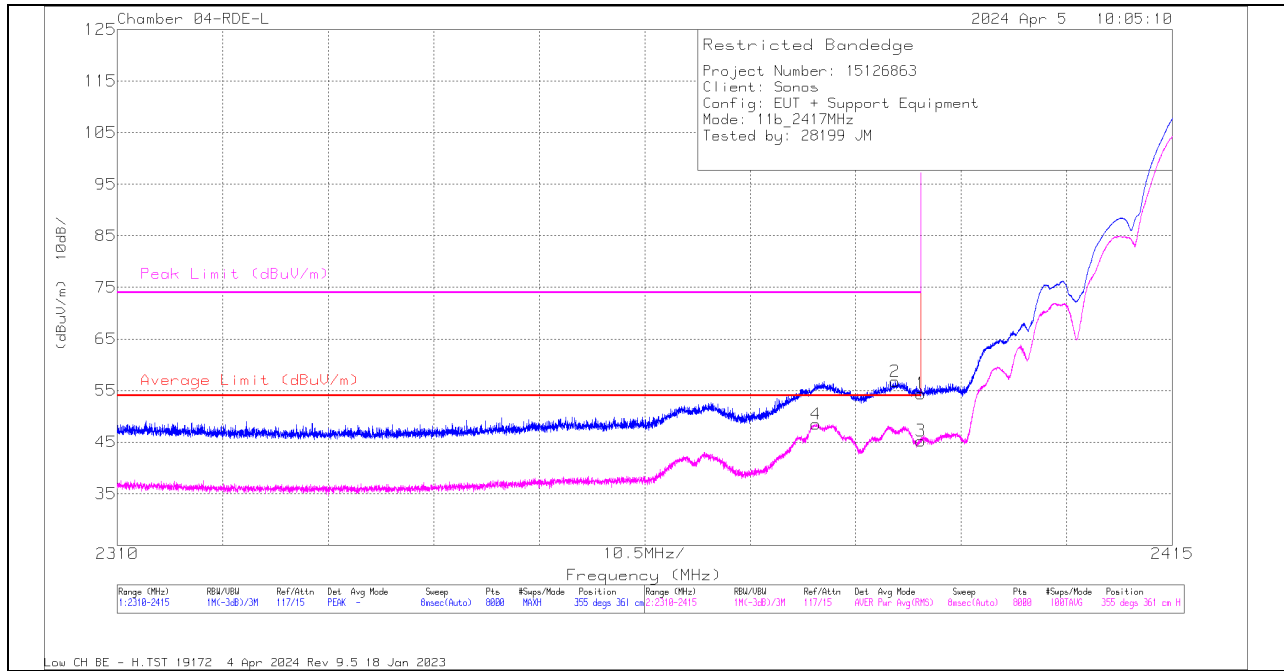


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	44.2	Pk	32.1	-24.3	0	52	-	-	74	-22	113	341	V
2	* 2385.927	50.67	Pk	32	-24.3	0	58.37	-	-	74	-15.63	113	341	V
3	* 2390	34.43	RMS	32.1	-24.3	.31	42.54	54	-11.46	-	-	113	341	V
4	* 2383.8	42.34	RMS	32	-24.3	.31	50.35	54	-3.65	-	-	113	341	V

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

**BANDEDGE (LOW CHANNEL, CH 2)**

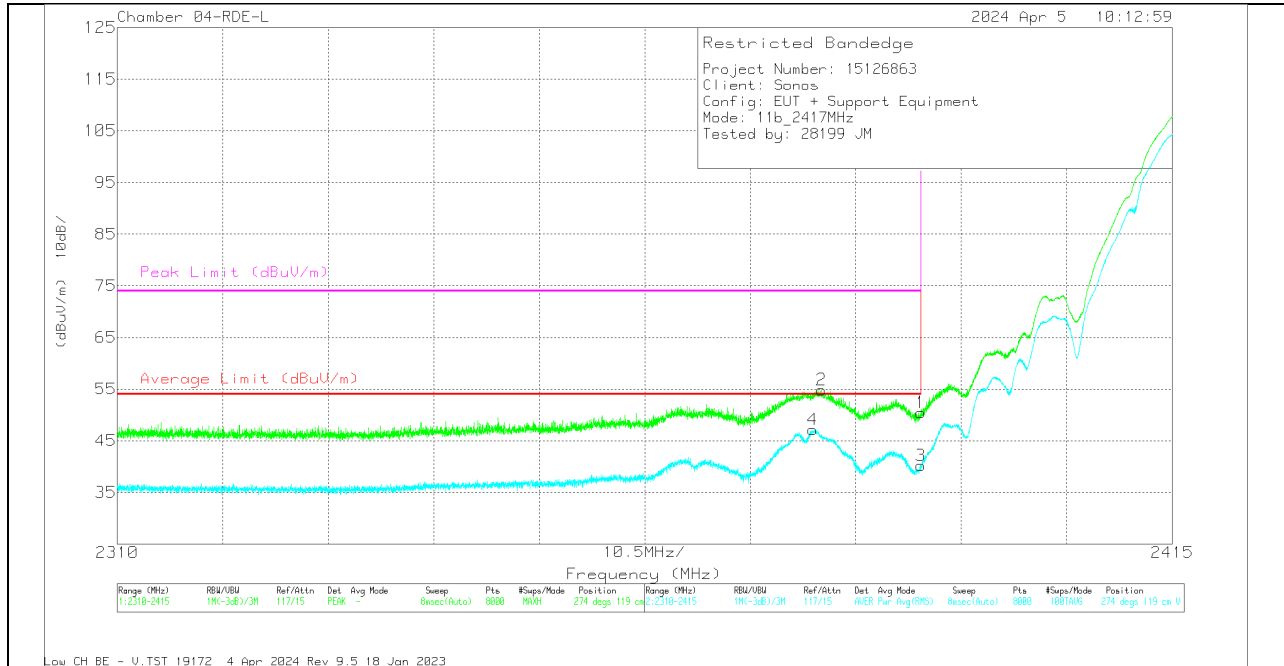
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	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
1	* 2390	46.59	PK	32.1	-24.3	0	54.39	-	-	74	-19.61	355	361	H
2	* 2387.436	48.97	PK	32.1	-24.3	0	56.77	-	-	74	-17.23	355	361	H
3	* 2390	37.12	RMS	32.1	-24.3	.31	45.23	54	-8.77	-	-	355	361	H
4	* 2379.547	40.46	RMS	32	-24.3	.31	48.47	54	-5.53	-	-	355	361	H

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

### VERTICAL RESULT

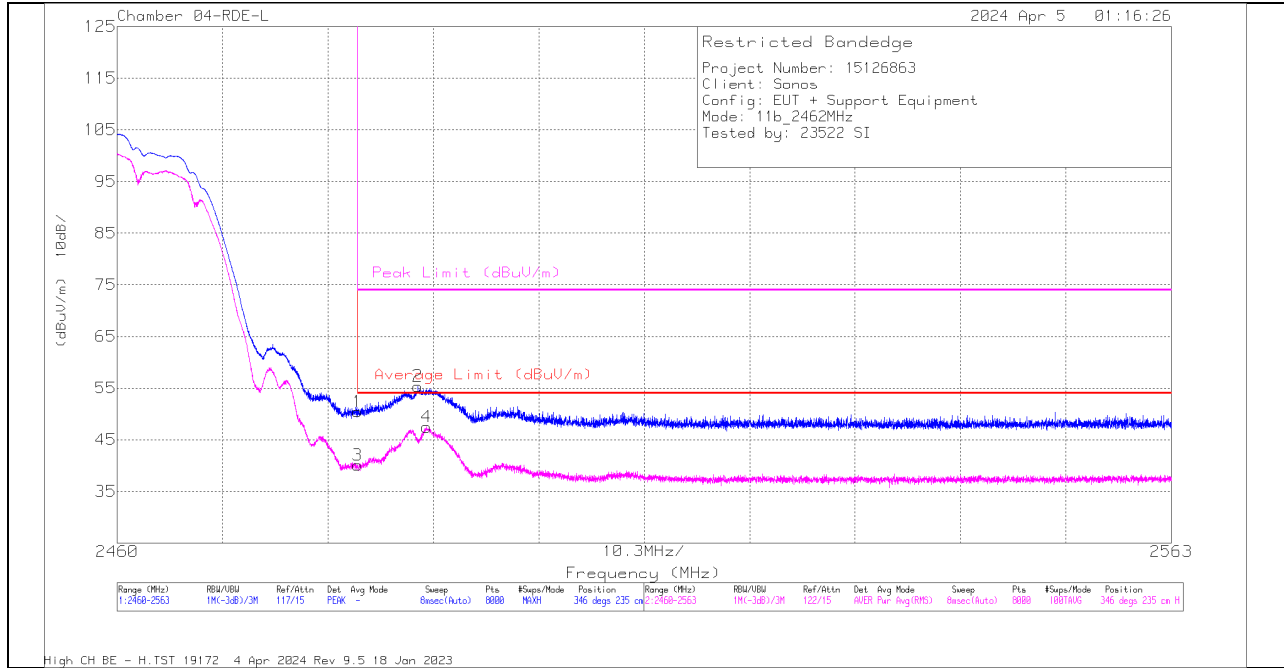


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.65	Pk	32.1	-24.3	0	50.45	-	-	74	-23.55	274	119	V
2	* 2380.111	47.13	Pk	32	-24.3	0	54.83	-	-	74	-19.17	274	119	V
3	* 2390	32.08	RMS	32.1	-24.3	.31	40.19	54	-13.81	-	-	274	119	V
4	* 2379.219	39.14	RMS	32	-24.3	.31	47.15	54	-6.85	-	-	274	119	V

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

**BANDEDGE (HIGH CHANNEL, CH 11)**

**HORIZONTAL RESULT**

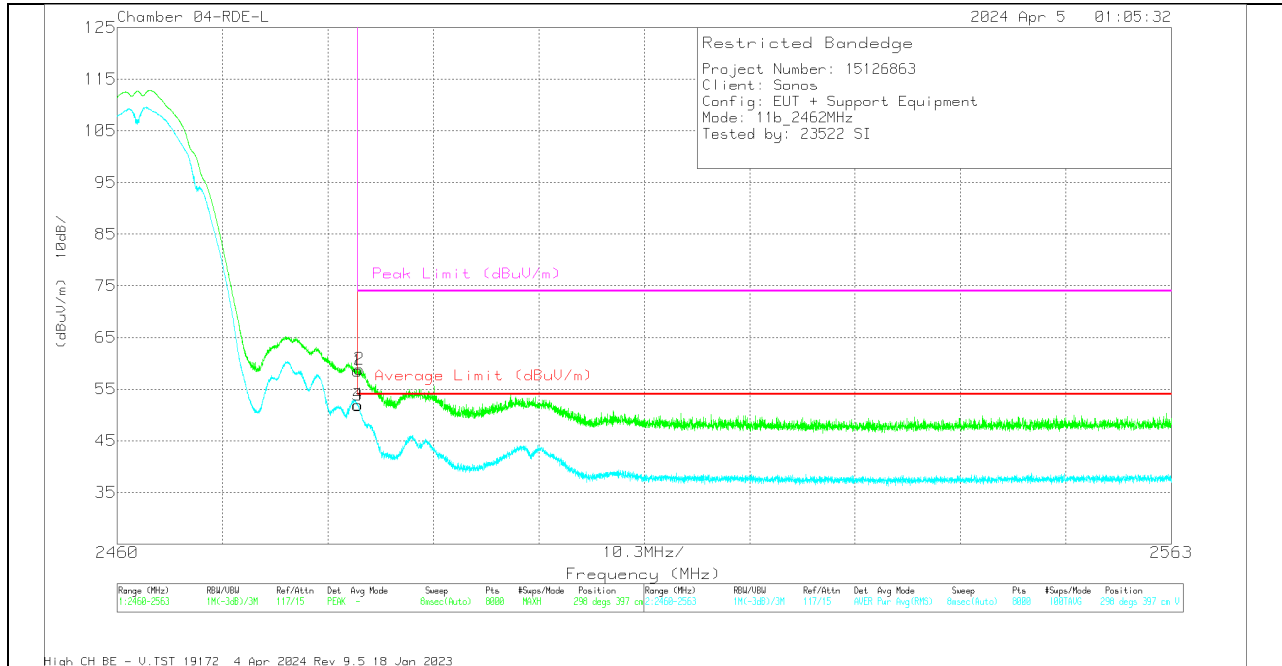


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.22	Pk	32.4	-24.2	0	50.42	-	-	74	-23.58	346	235	H
2	* 2489.385	47.16	Pk	32.4	-24.2	0	55.36	-	-	74	-18.64	346	235	H
3	* 2483.5	31.56	RMS	32.4	-24.2	.31	40.07	54	-13.93	-	-	346	235	H
4	* 2490.222	38.96	RMS	32.4	-24.2	.31	47.47	54	-6.53	-	-	346	235	H

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



### VERTICAL RESULT

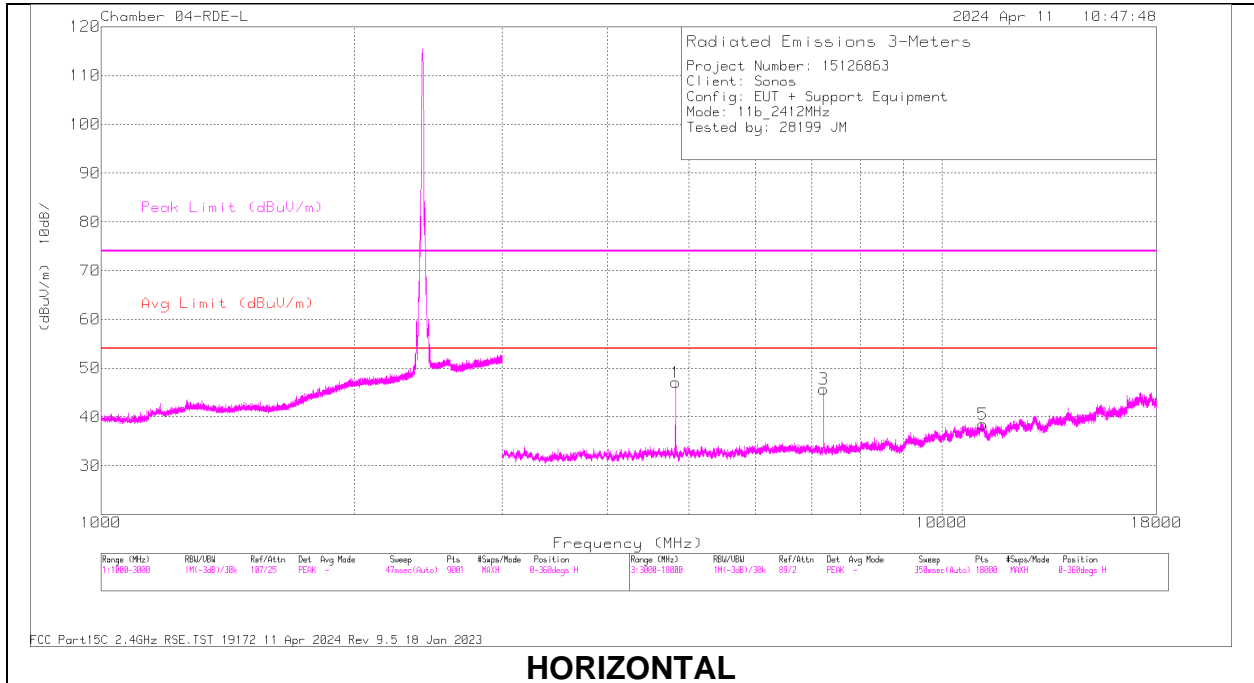


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	50.36	Pk	32.4	-24.2	0	58.56	-	-	74	-15.44	298	397	V
2	* 2483.668	50.66	Pk	32.4	-24.2	0	58.86	-	-	74	-15.14	298	397	V
3	* 2483.5	43.35	RMS	32.4	-24.2	.31	51.86	54	-2.14	-	-	298	397	V
4	* 2483.539	43.44	RMS	32.4	-24.2	.31	51.95	54	-2.05	-	-	298	397	V

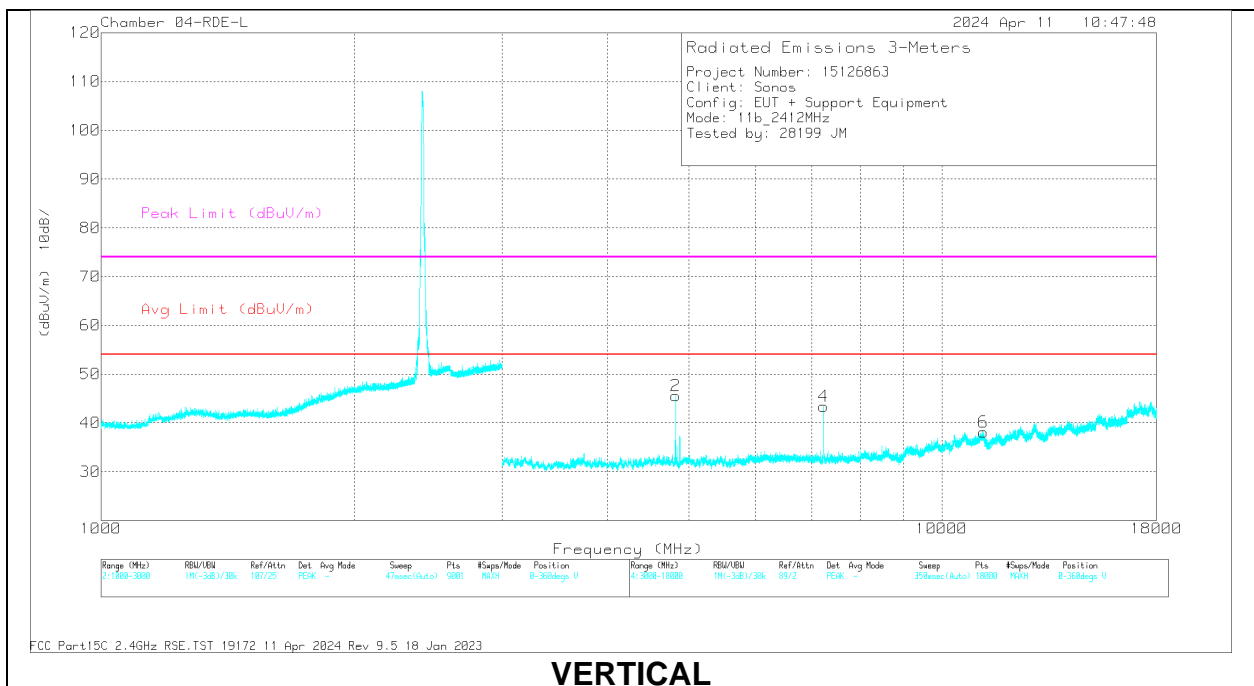
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL, CH 1 RESULTS**



**HORIZONTAL**



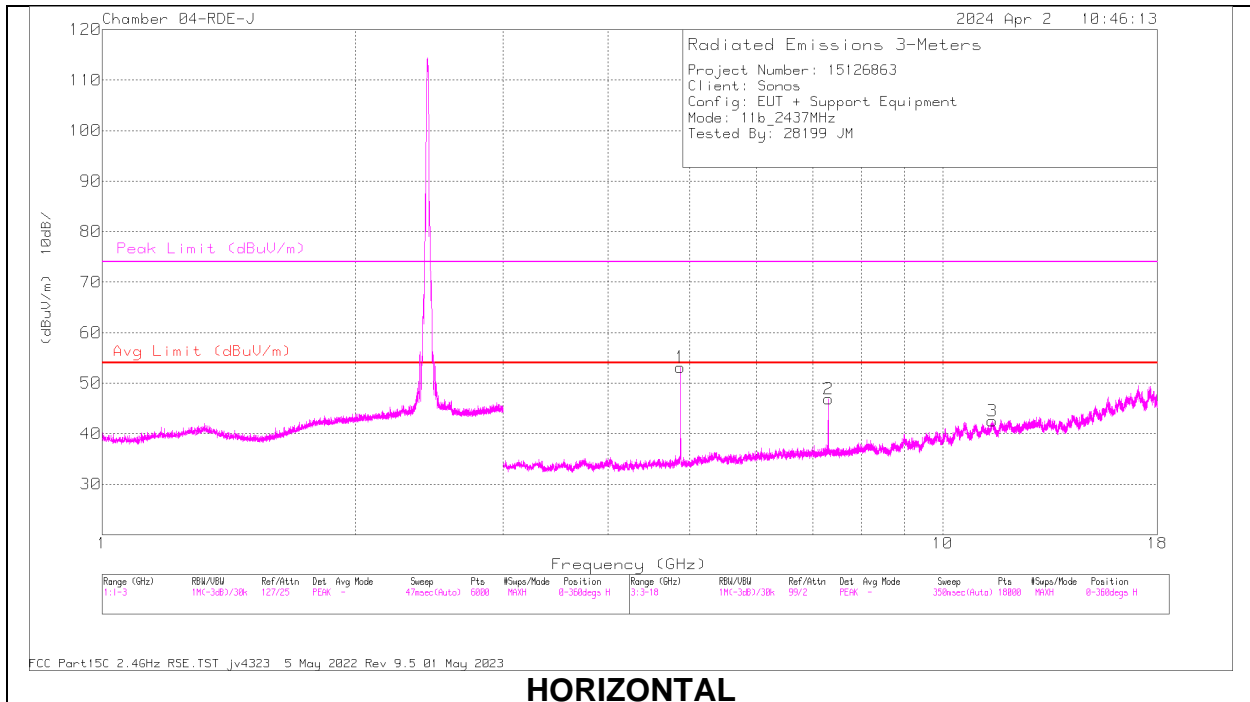
**VERTICAL**

### RADIATED EMISSIONS

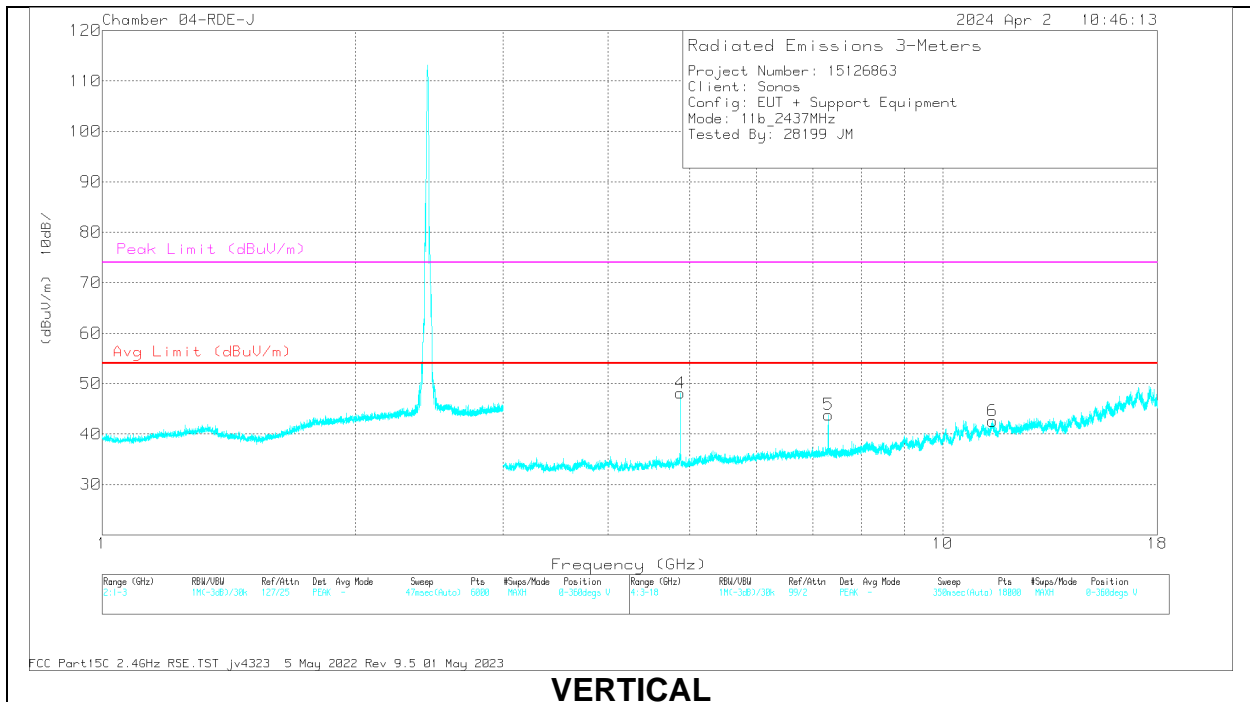
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	Amp/Cb/Ftr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4823.968	64.61	PK2	34.1	-47.9	0	50.81	-	-	74	-23.19	18	105	H
	* 4823.963	60.62	MAv1	34.1	-47.9	.31	47.13	54	-6.87	-	-	18	105	H
3	7234.833	58.67	PK2	35.6	-43.4	0	50.87	-	-	-	-	223	101	H
5	*11195.488	47.11	PK2	37.9	-35.5	0	49.51	-	-	74	-24.49	60	372	H
	*11195.475	35.79	MAv1	37.9	-35.5	.31	38.5	54	-15.5	-	-	60	372	H
2	* 4824.025	63.54	PK2	34.1	-47.9	0	49.74	-	-	74	-24.26	339	360	V
	* 4823.91	58.24	MAv1	34.1	-47.9	.31	44.75	54	-9.25	-	-	339	360	V
4	7235.85	58.2	PK2	35.6	-43.4	0	50.4	-	-	-	-	132	370	V
6	*11211.527	47.52	PK2	37.8	-35.2	0	50.12	-	-	74	-23.88	221	388	V
	*11210.877	35.42	MAv1	37.8	-35.2	.31	38.33	54	-15.67	-	-	221	388	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

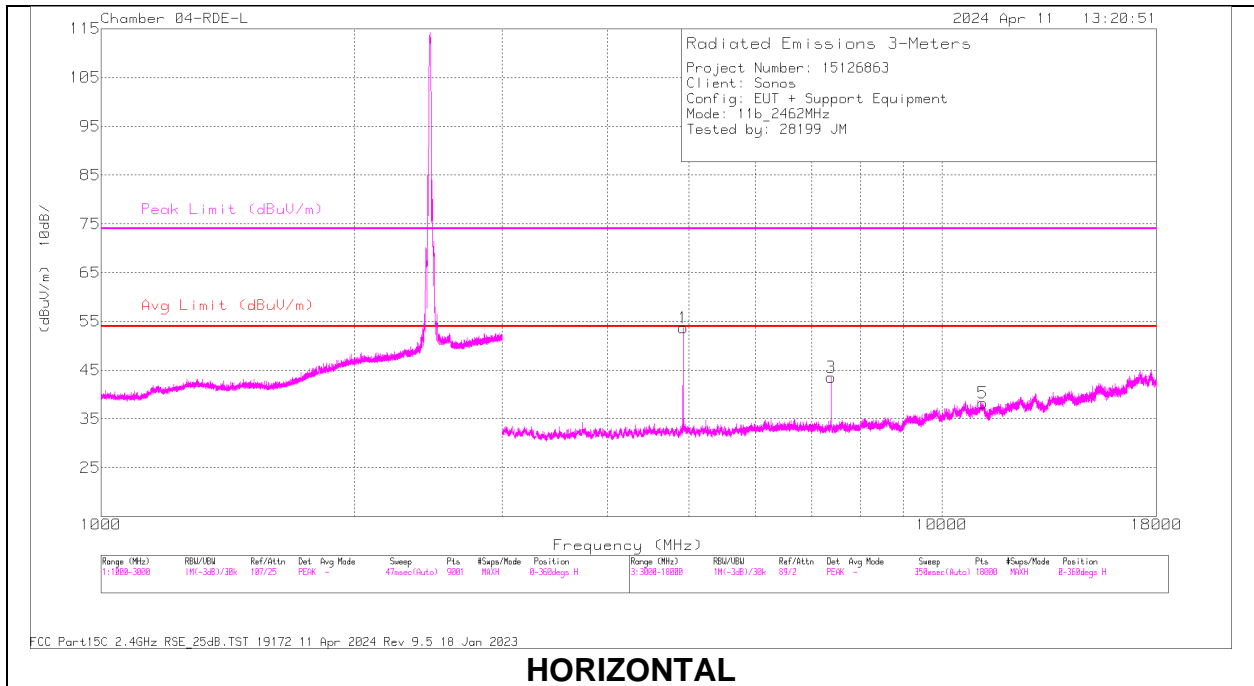
**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	Amp/Cb/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	* 4.873892	66.2	PK2	34	-44.6	0	55.6	-	-	74	-18.4	173	204	H
	* 4.873897	63.54	MAv1	34	-44.6	.31	53.25	54	-7.5	-	-	173	204	H
2	* 7.312164	59.68	PK2	35.8	-42.2	0	53.28	-	-	74	-20.72	108	200	H
	* 7.311935	52.77	MAv1	35.8	-42.2	.31	46.68	54	-7.32	-	-	108	200	H
3	* 11.45469	53.49	PK2	38.2	-38.9	0	52.79	-	-	74	-21.21	194	290	H
	* 11.451441	41.46	MAv1	38.2	-39	.31	40.97	54	-13.03	-	-	194	290	H
4	* 4.873931	62.52	PK2	34	-44.6	0	51.92	-	-	74	-22.08	260	211	V
	* 4.873945	58.05	MAv1	34	-44.6	.31	47.76	54	-6.24	-	-	260	211	V
5	* 7.312036	57.86	PK2	35.8	-42.2	0	51.46	-	-	74	-22.54	248	101	V
	* 7.312038	50.33	MAv1	35.8	-42.2	.31	44.24	54	-9.76	-	-	248	101	V
6	* 11.465956	52.66	PK2	38.2	-39	0	51.86	-	-	74	-22.14	138	142	V
	* 11.463519	41.34	MAv1	38.2	-38.9	.31	40.95	54	-13.05	-	-	138	142	V

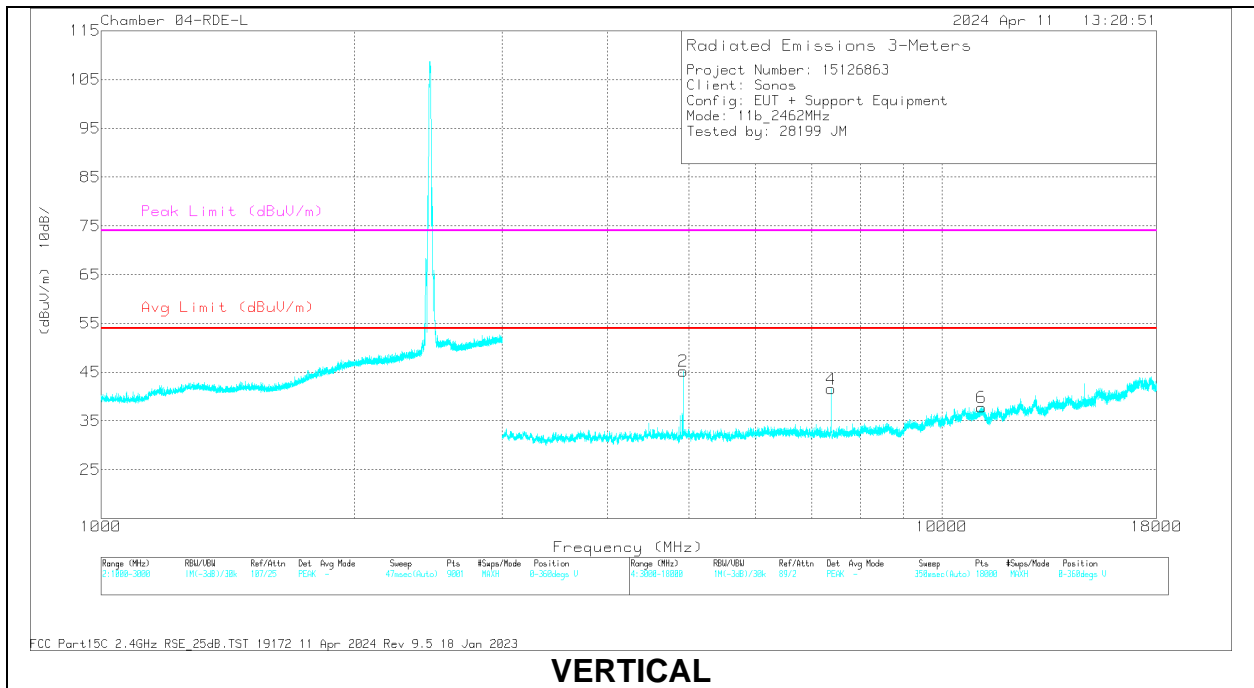
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average



### HIGH CHANNEL, CH 11 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	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	* 4923.924	69.11	PK2	34.2	-47.7	0	55.61	-	-	74	-18.39	18	101	H
	* 4923.975	66.61	MAv1	34.2	-47.7	.31	53.42	54	-58	-	-	18	101	H
3	* 7384.62	58.02	PK2	35.6	-43	0	50.62	-	-	74	-23.38	69	103	H
	* 7384.818	50.34	MAv1	35.6	-43	.31	43.25	54	-10.75	-	-	69	103	H
5	*11184.954	47.63	PK2	37.9	-35.8	0	49.73	-	-	74	-24.27	190	367	H
	*11186.923	35.65	MAv1	37.9	-35.8	.31	38.06	54	-15.94	-	-	190	367	H
2	* 4923.911	63.31	PK2	34.2	-47.7	0	49.81	-	-	74	-24.19	113	101	V
	* 4923.995	59.16	MAv1	34.2	-47.7	.31	45.97	54	-8.03	-	-	113	101	V
4	* 7386.891	55.88	PK2	35.6	-43.1	0	48.38	-	-	74	-25.62	116	105	V
	* 7386.826	47.73	MAv1	35.6	-43.1	.31	40.54	54	-13.46	-	-	116	105	V
6	*11149.112	45.38	PK2	37.9	-35.9	0	47.38	-	-	74	-26.62	213	101	V
	*11150.104	33.8	MAv1	37.9	-35.9	.31	36.11	54	-17.89	-	-	213	101	V

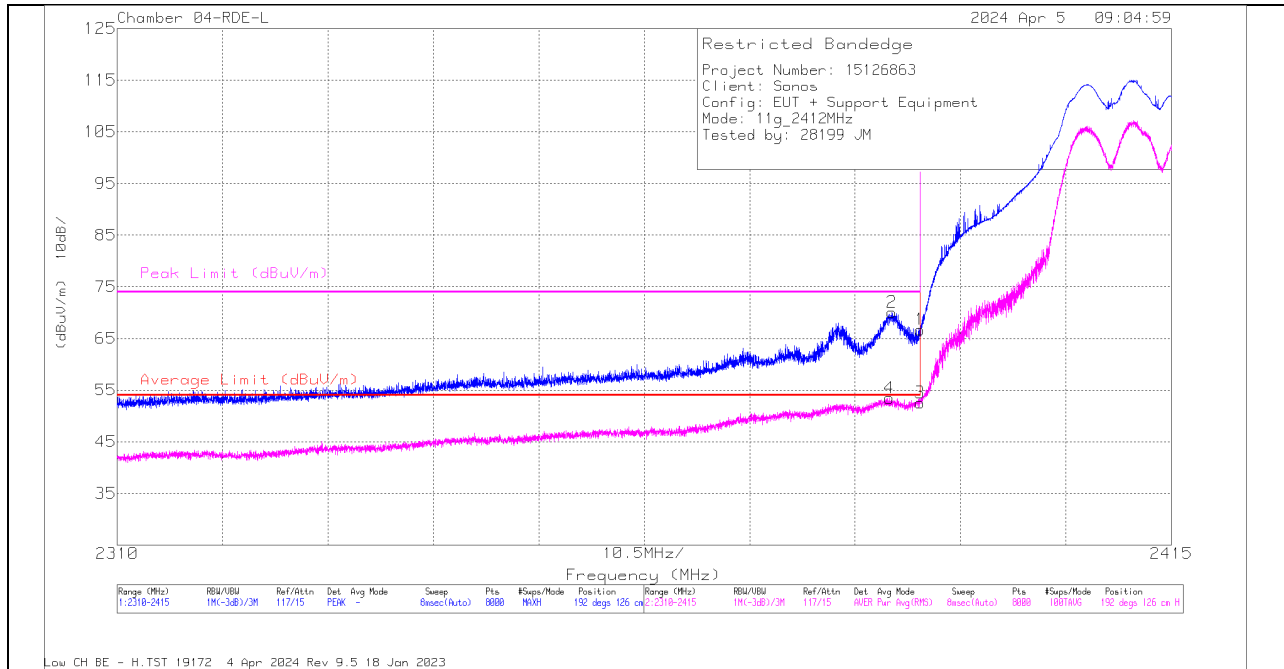
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### 10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

#### 2TX Antenna 1 + Antenna 3 CDD MODE

#### BANDEDGE (LOW CHANNEL, CH 1)

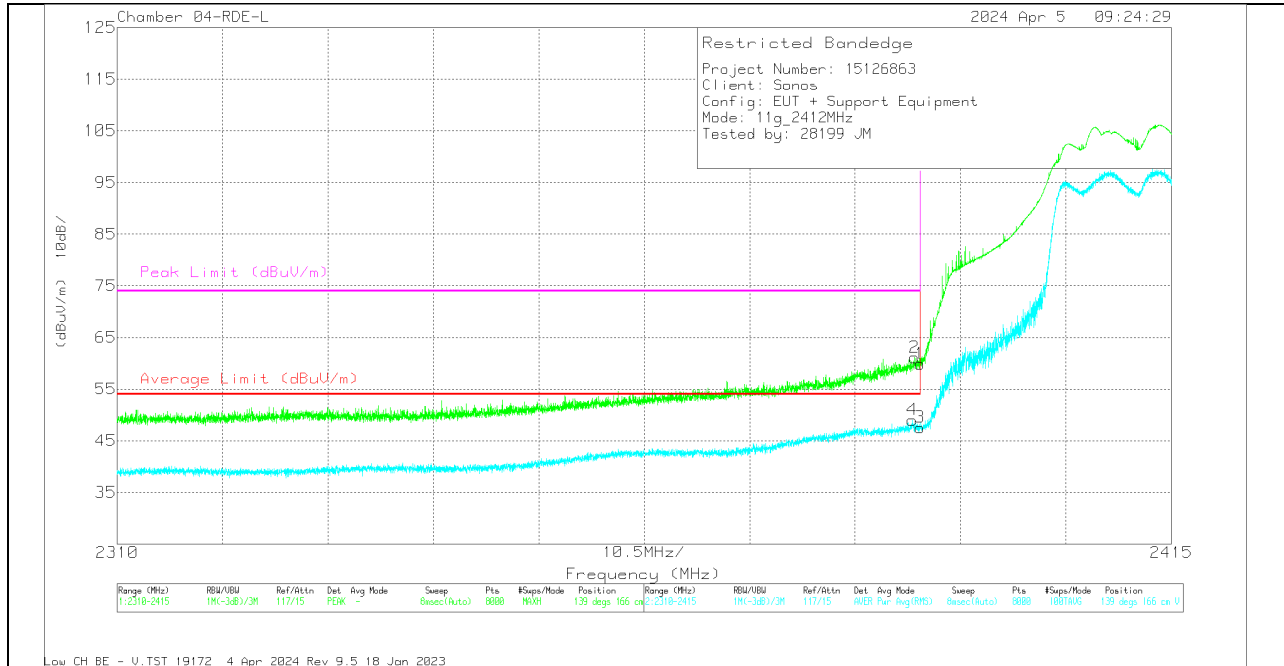
#### HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	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
1	* 2390	58.9	Pk	32.1	-24.3	0	66.7	-	-	74	-7.3	192	126	H
2	* 2387.161	62.26	Pk	32.1	-24.3	0	70.06	-	-	74	-3.94	192	126	H
3	* 2390	43.78	RMS	32.1	-24.3	.94	52.52	54	-1.48	-	-	192	126	H
4	* 2386.911	44.71	RMS	32.1	-24.3	.94	53.45	54	-0.55	-	-	192	126	H

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

### VERTICAL RESULT

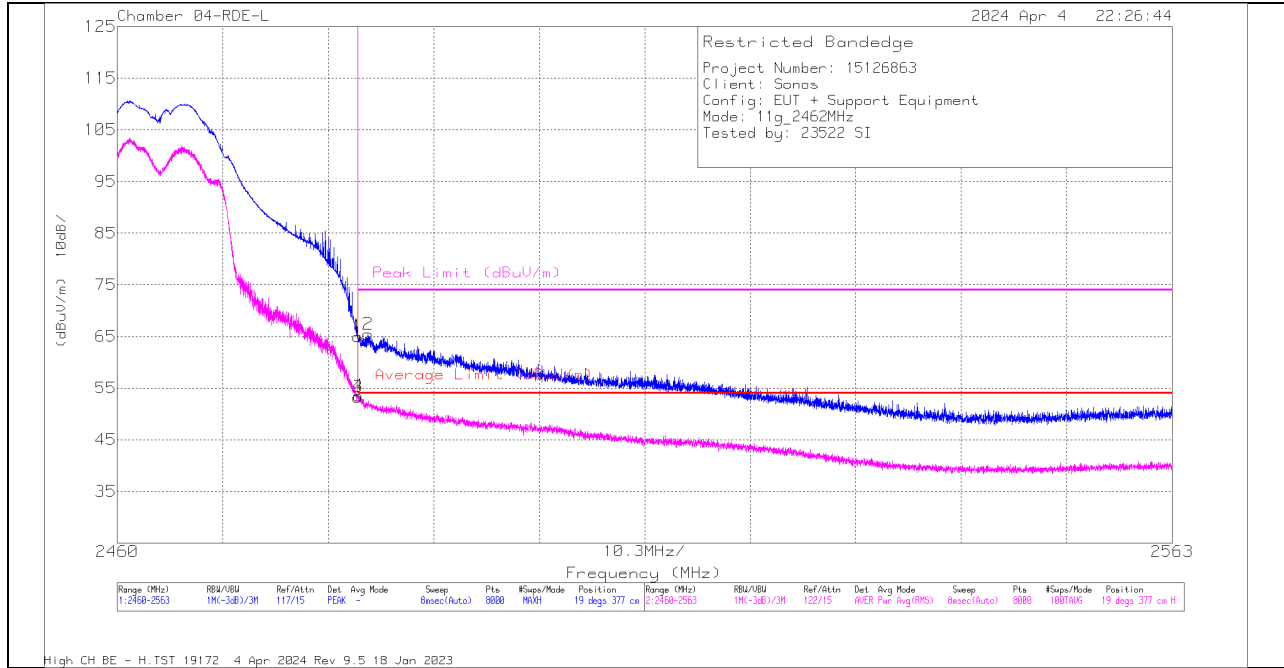


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	52.08	Pk	32.1	-24.3	0	59.88	-	-	74	-14.12	139	166	V
2	* 2389.418	53.32	Pk	32.1	-24.3	0	61.12	-	-	74	-12.88	139	166	V
3	* 2390	38.83	RMS	32.1	-24.3	.94	47.57	54	-6.43	-	-	139	166	V
4	* 2389.195	40.3	RMS	32.1	-24.3	.94	49.04	54	-4.96	-	-	139	166	V

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

**BANEDGE (HIGH CHANNEL, CH 11)**

**HORIZONTAL RESULT**

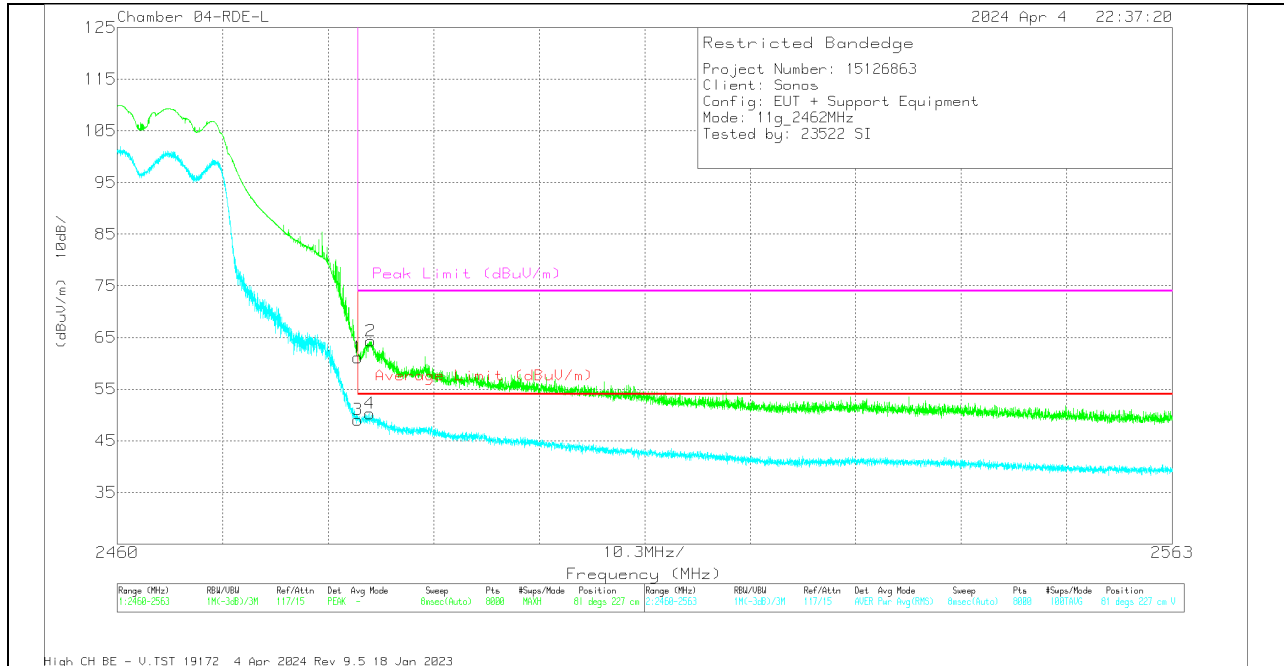


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	56.75	Pk	32.4	-24.2	0	64.95	-	-	74	-9.05	19	377	H
2	* 2484.492	57.26	Pk	32.4	-24.2	0	65.46	-	-	74	-8.54	19	377	H
3	* 2483.5	44.15	RMS	32.4	-24.2	.94	53.29	54	-7.1	-	-	19	377	H
4	* 2483.539	44.36	RMS	32.4	-24.2	.94	53.5	54	-5	-	-	19	377	H

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



### VERTICAL RESULT

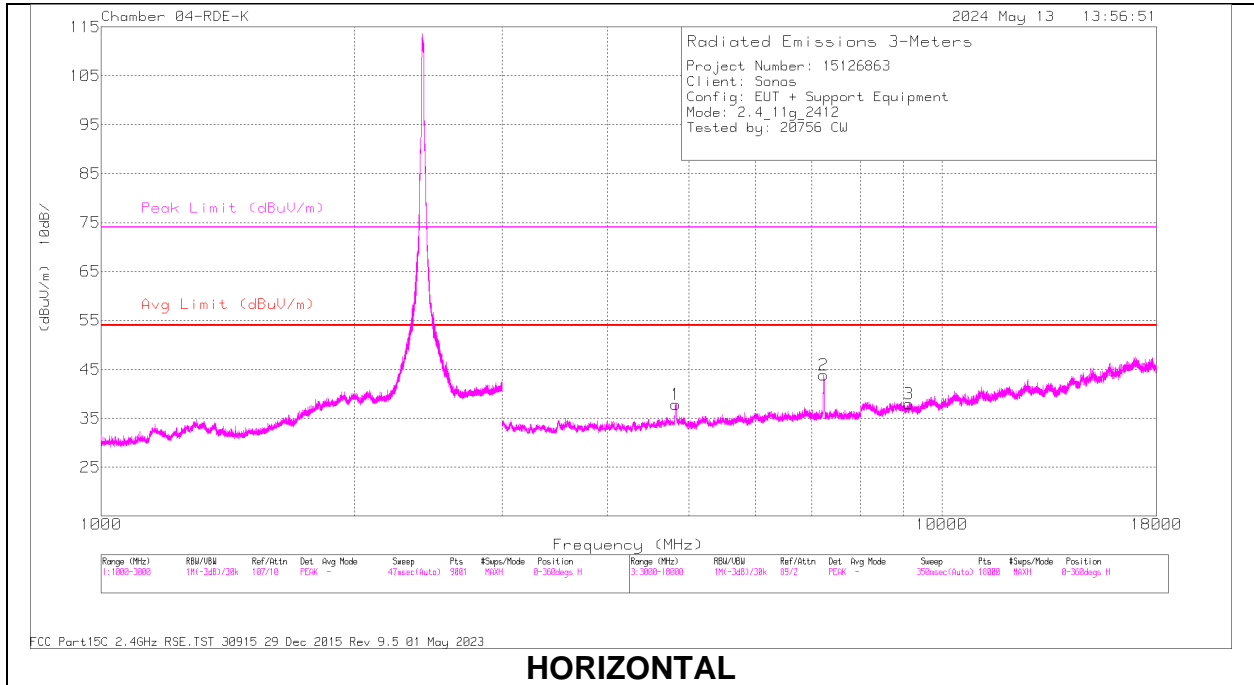


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	52.91	Pk	32.4	-24.2	0	61.11	-	-	74	-12.89	81	227	V
2	* 2484.75	56.11	Pk	32.4	-24.2	0	64.31	-	-	74	-9.69	81	227	V
3	* 2483.5	39.91	RMS	32.4	-24.2	.94	49.05	54	-4.95	-	-	81	227	V
4	* 2484.659	41.14	RMS	32.4	-24.2	.94	50.28	54	-3.72	-	-	81	227	V

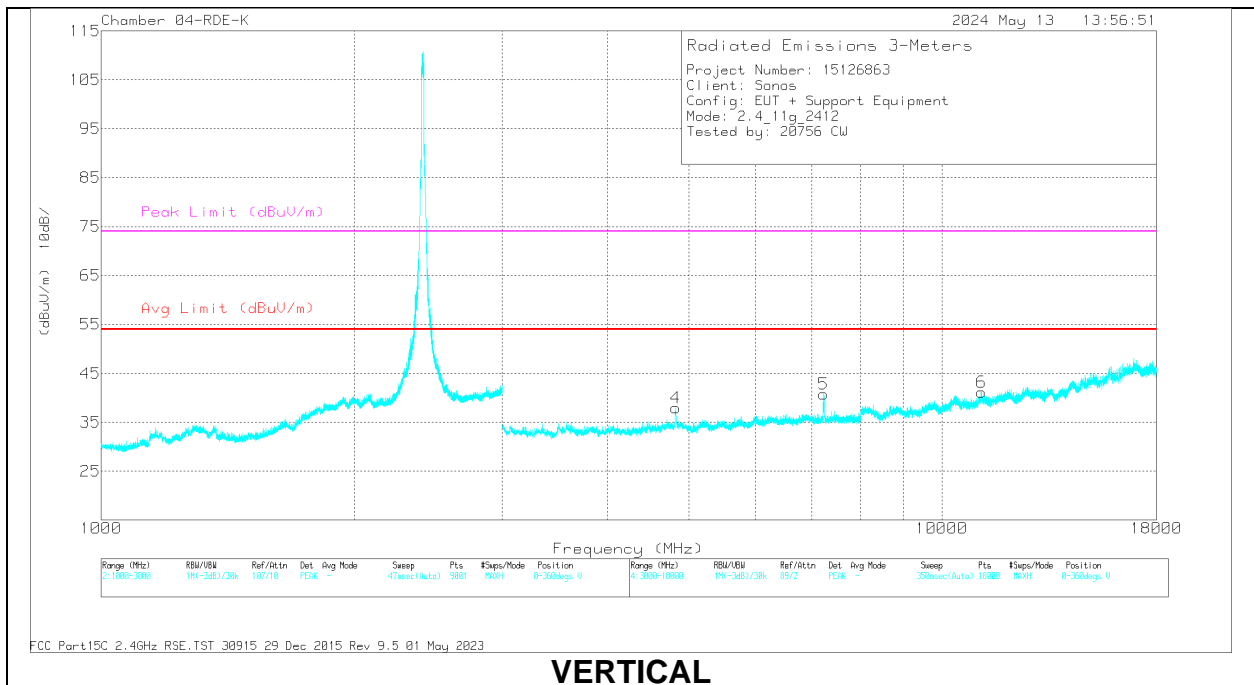
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL, CH 1 RESULTS



**HORIZONTAL**



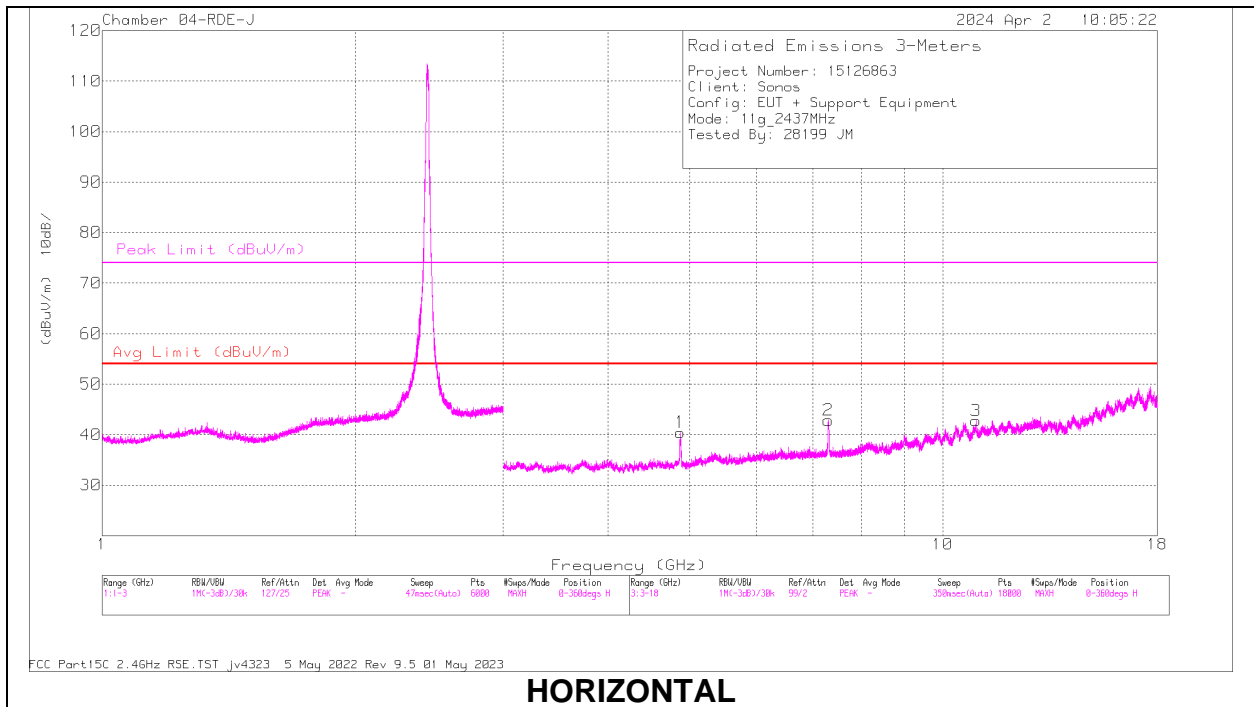
**VERTICAL**

**RADIATED EMISSIONS**

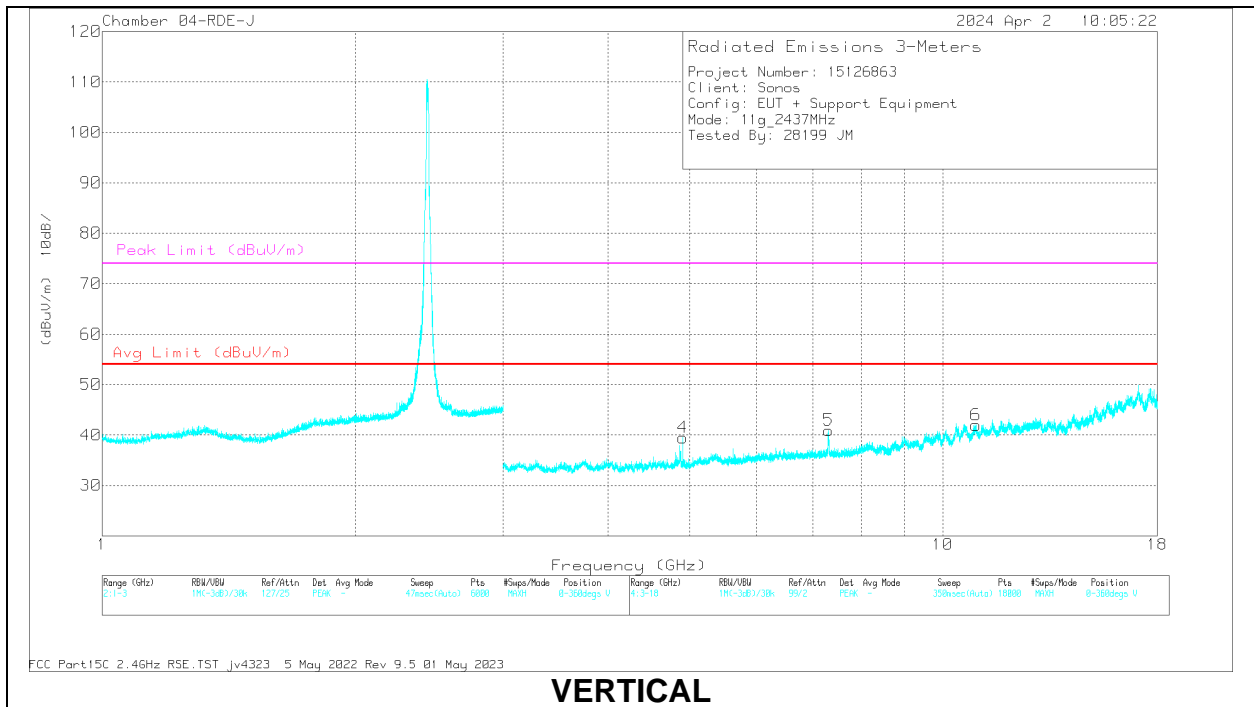
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4826.161	54.52	PK2	34.9	-40.8	0	48.62	-	-	74	-25.38	260	251	H
	* 4826.04	42.53	MAv1	34.9	-40.8	94	37.57	54	-16.43	-	-	260	251	H
3	* 9129.453	48.05	PK2	36.2	-37.4	0	46.85	-	-	74	-27.15	205	371	H
	* 9130.72	36.58	MAv1	36.3	-37.4	94	36.42	54	-17.58	-	-	205	371	H
4	* 4822.265	54.72	PK2	34.9	-40.8	0	48.82	-	-	74	-25.18	7	183	V
	* 4822.483	42.52	MAv1	34.9	-40.8	94	37.56	54	-16.44	-	-	7	183	V
6	* 11150.575	48.74	PK2	38	-36.3	0	50.44	-	-	74	-23.56	261	382	V
	* 11149.598	37.58	MAv1	38	-36.3	94	40.22	54	-13.78	-	-	261	382	V
5	7230.369	54.05	PK2	36	-39	0	51.05	-	-	-	-	22	391	V
2	7235.882	58.11	PK2	36	-39	0	55.11	-	-	-	-	316	196	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



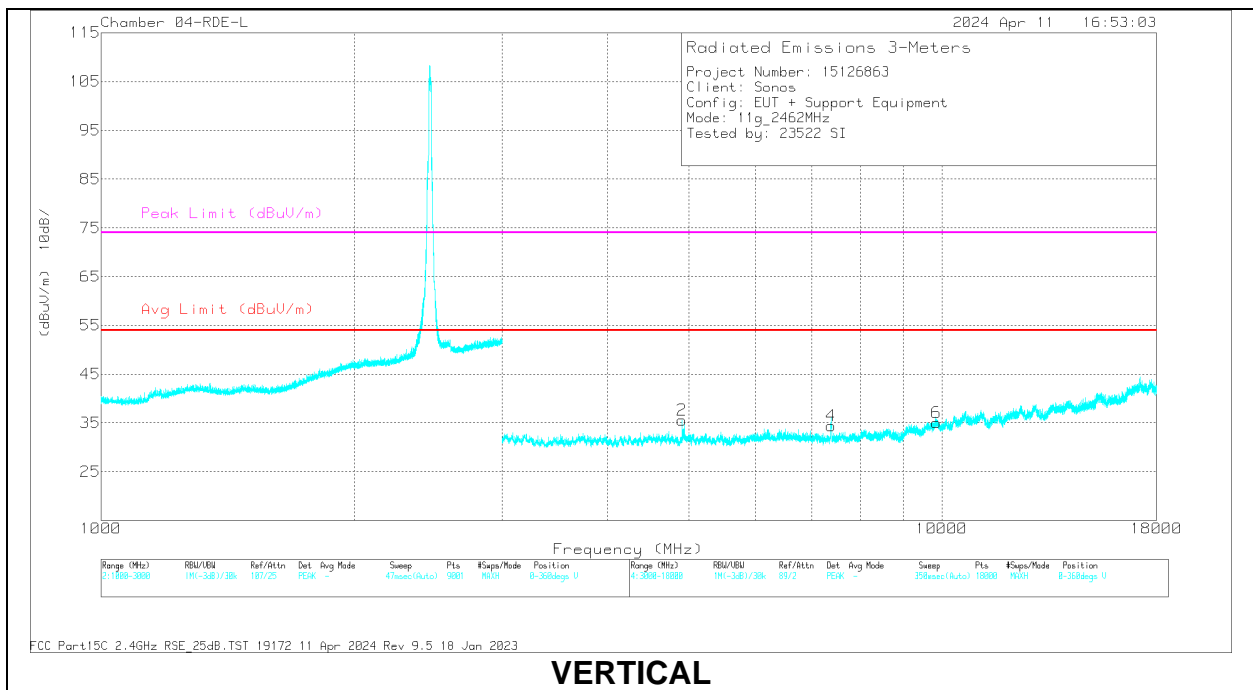
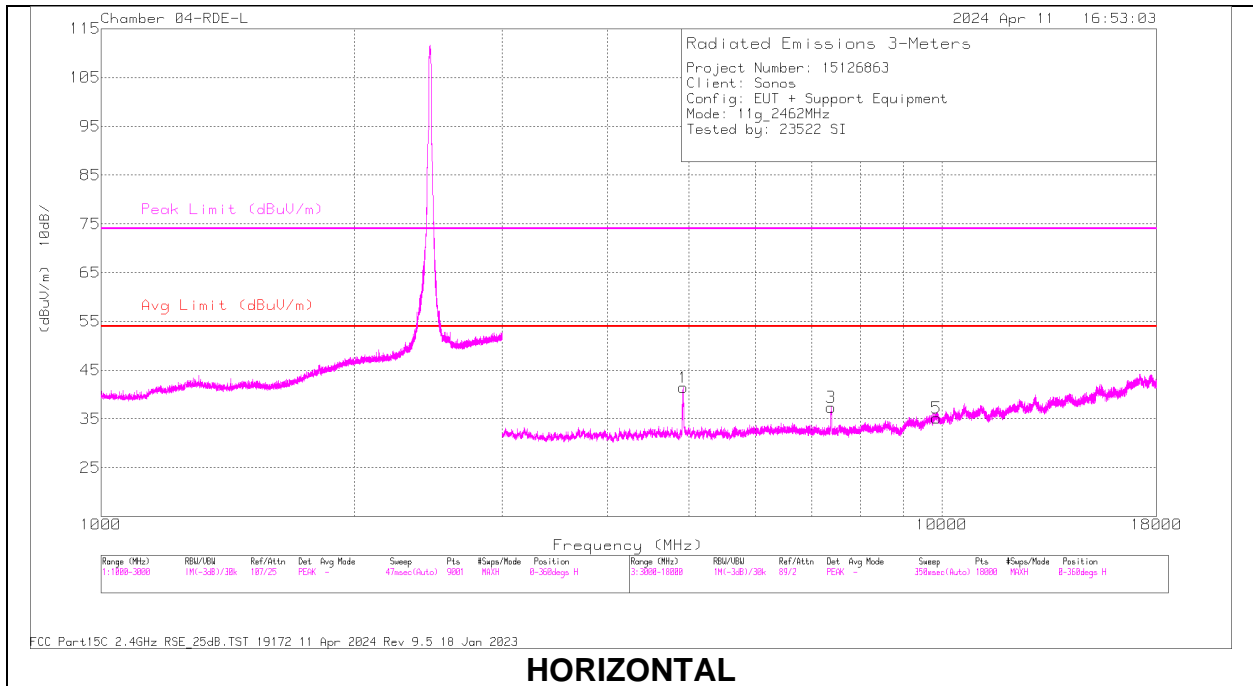
**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	Amp/Cb/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	* 4.873924	59.33	PK2	34	-44.6	0	48.73	-	-	74	-25.27	193	147	H
	* 4.873757	48.28	MAv1	34	-44.6	.94	38.62	54	-15.38	-	-	193	147	H
2	* 7.303469	61.21	PK2	35.8	-42.1	0	54.91	-	-	74	-19.09	115	200	H
	* 7.314213	48.59	MAv1	35.8	-42.2	.94	43.13	54	-10.87	-	-	115	200	H
3	*10.957941	52.47	PK2	37.8	-38.6	0	51.67	-	-	74	-22.33	239	228	H
	*10.957303	40.86	MAv1	37.8	-38.5	.94	41.1	54	-12.9	-	-	239	228	H
4	* 4.878862	55.91	PK2	34	-44.6	0	45.31	-	-	74	-28.69	112	226	V
	* 4.873573	44.91	MAv1	34	-44.6	.94	35.25	54	-18.75	-	-	112	226	V
5	* 7.303533	60.18	PK2	35.8	-42.2	0	53.78	-	-	74	-20.22	257	105	V
	* 7.313428	47.35	MAv1	35.8	-42.2	.94	41.89	54	-12.11	-	-	257	105	V
6	*10.950534	52.69	PK2	37.8	-38.4	0	52.09	-	-	74	-21.91	319	238	V
	*10.950993	40.74	MAv1	37.8	-38.4	.94	41.08	54	-12.92	-	-	319	238	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### HIGH CHANNEL, CH 11 RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	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	* 4928.851	64.12	PK2	34.2	-47.7	0	50.62	-	-	74	-23.38	13	105	H
	* 4928.78	52.95	MAv1	34.2	-47.7	.94	40.39	54	-13.61	-	-	13	105	H
3	* 7386.751	56.72	PK2	35.6	-43.1	0	49.22	-	-	74	-24.78	269	101	H
	* 7386.624	44.58	MAv1	35.6	-43.1	.94	38.02	54	-15.98	-	-	269	101	H
5	9848.916	48.77	PK2	37.1	-37.5	0	48.37	-	-	-	-	266	371	H
2	* 4907.223	57.3	PK2	34.2	-47.5	0	44	-	-	74	-30	15	394	V
	* 4906.445	45.7	MAv1	34.2	-47.5	.94	33.34	54	-20.66	-	-	15	394	V
4	* 7385.972	54.82	PK2	35.6	-43.1	0	47.32	-	-	74	-26.68	113	101	V
	* 7385.611	42.47	MAv1	35.6	-43.1	.94	35.91	54	-18.09	-	-	113	101	V
6	9846.809	47.96	PK2	37.1	-37.5	0	47.56	-	-	-	-	222	381	V

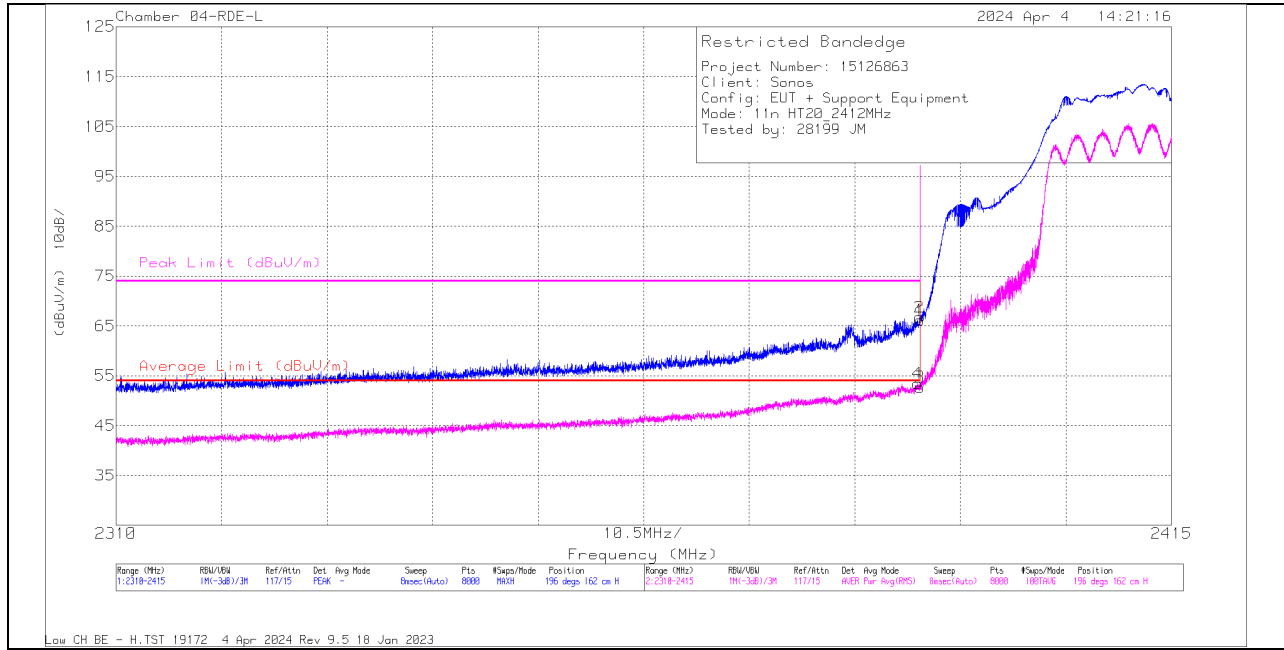
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### 10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

#### 2TX Antenna 1 + Antenna 3 CDD MODE

#### BANDEDGE (LOW CHANNEL, CH 1)

#### HORIZONTAL RESULT

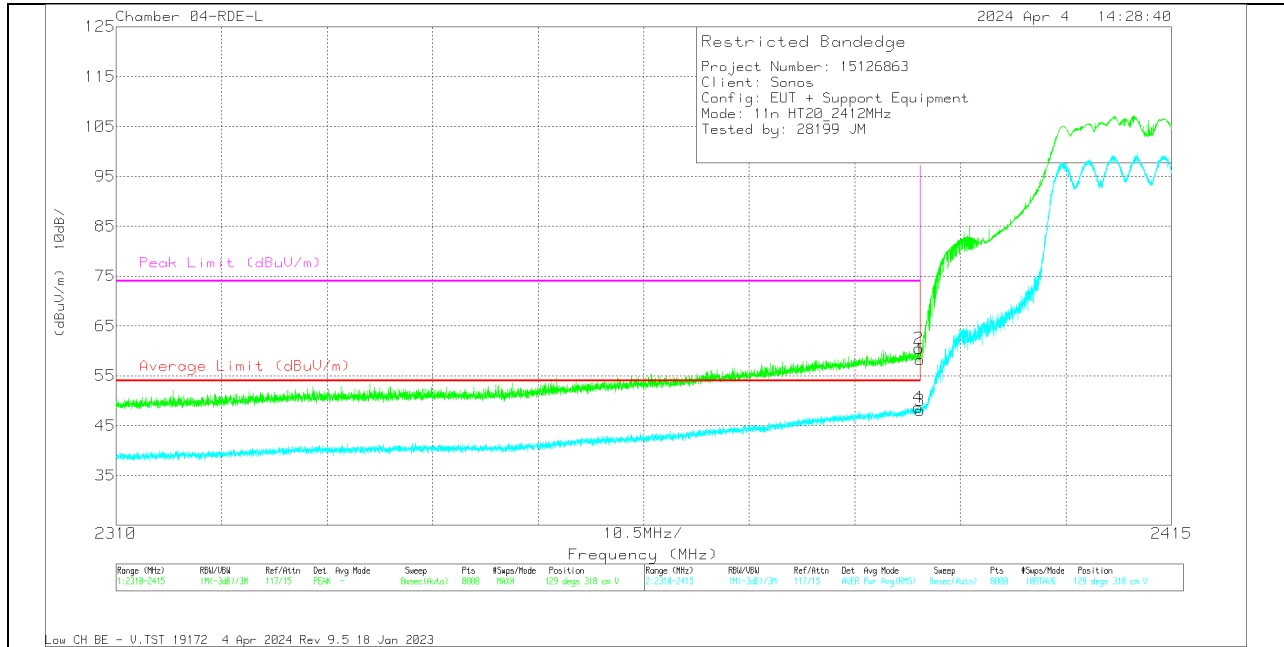


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	58.39	PK	32.1	-24.3	0	66.19	-	-	74	-7.81	196	162	H
2	* 2389.93	58.95	PK	32.1	-24.3	0	66.75	-	-	74	-7.25	196	162	H
3	* 2390	44.32	RMS	32.1	-24.3	.6	52.72	54	-1.28	-	-	196	162	H
4	* 2389.747	45.04	RMS	32.1	-24.3	.6	53.44	54	-56	-	-	196	162	H

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



### VERTICAL RESULT

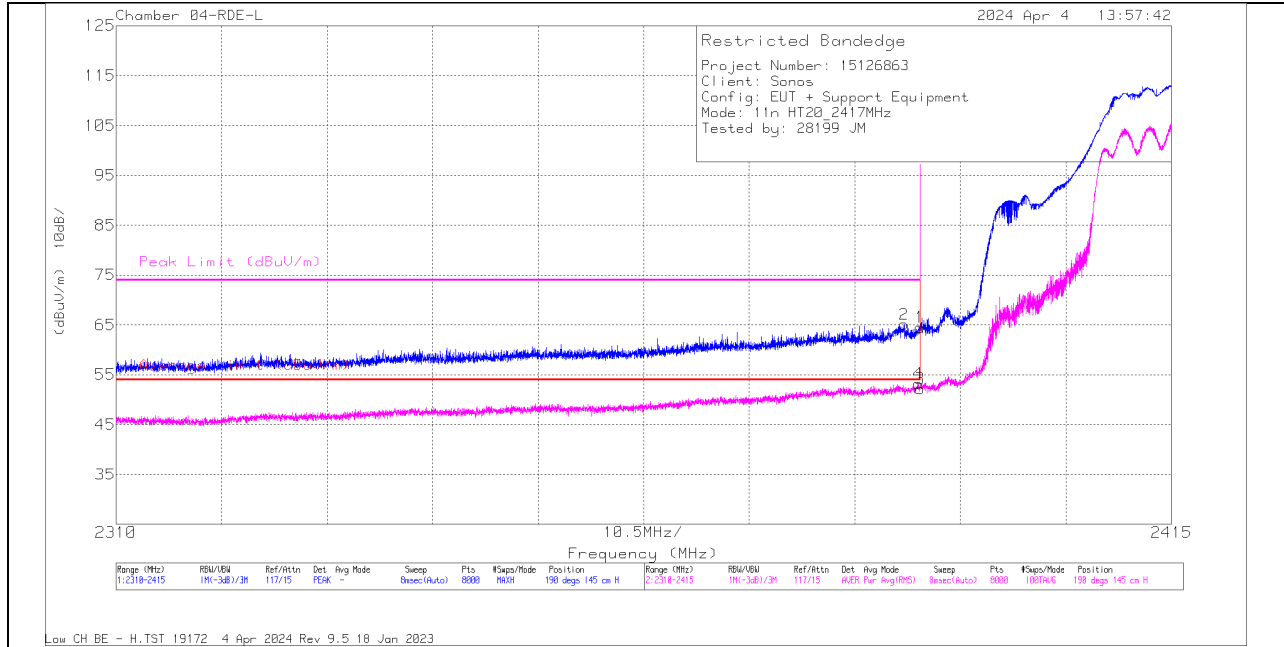


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	50.47	Pk	32.1	-24.3	0	58.27	-	-	74	-15.73	129	318	V
2	* 2389.865	52.75	Pk	32.1	-24.3	0	60.55	-	-	74	-13.45	129	318	V
3	* 2390	39.68	RMS	32.1	-24.3	.6	48.08	54	-5.92	-	-	129	318	V
4	* 2389.786	40.26	RMS	32.1	-24.3	.6	48.66	54	-5.34	-	-	129	318	V

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

**BANDEDGE (LOW CHANNEL, CH 2)**

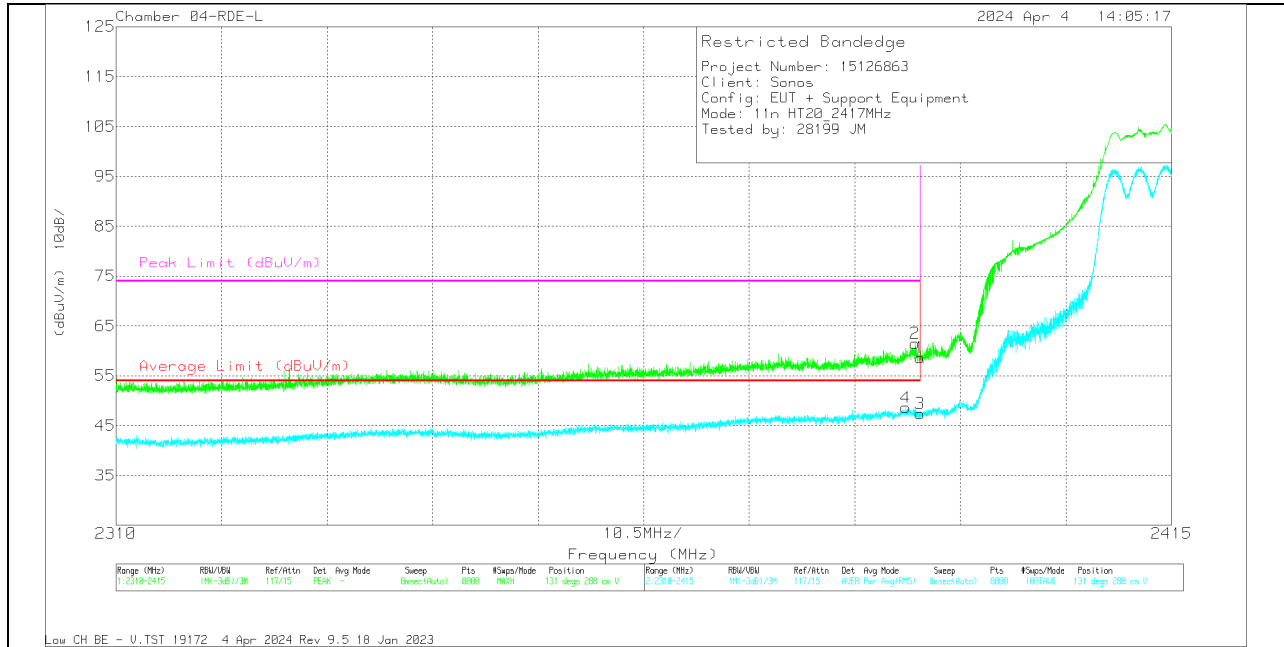
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	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
1	* 2390	56.72	Pk	32.1	-24.3	0	64.52	-	-	74	-9.48	190	145	H
2	* 2388.408	57.31	Pk	32.1	-24.3	0	65.11	-	-	74	-8.89	190	145	H
3	* 2390	43.8	RMS	32.1	-24.3	.6	52.2	54	-1.8	-	-	190	145	H
4	* 2389.799	44.85	RMS	32.1	-24.3	.6	53.25	54	-7.5	-	-	190	145	H

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

### VERTICAL RESULT

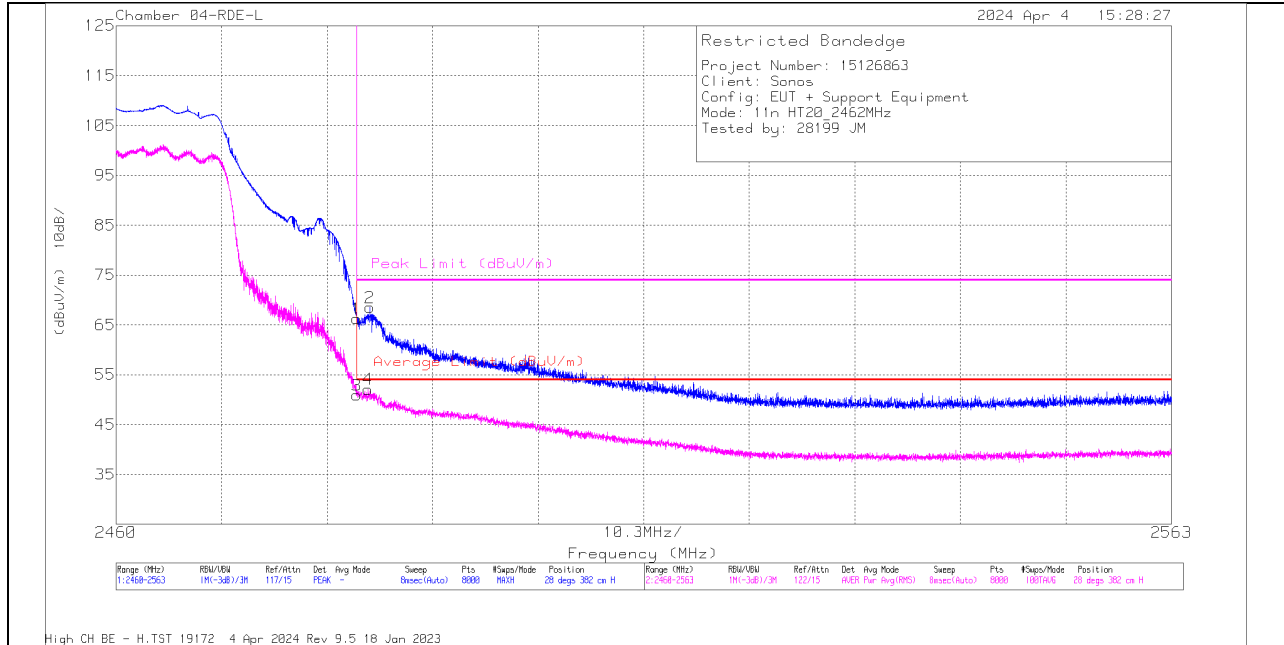


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	50.8	Pk	32.1	-24.3	0	58.6	-	-	74	-15.4	131	288	V
2	* 2389.471	53.75	Pk	32.1	-24.3	0	61.55	-	-	74	-12.45	131	288	V
3	* 2390	39.01	RMS	32.1	-24.3	.6	47.41	54	-6.59	-	-	131	288	V
4	* 2388.578	40.24	RMS	32.1	-24.3	.6	48.64	54	-5.36	-	-	131	288	V

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

**BANDEDGE (HIGH CHANNEL, CH 11)**

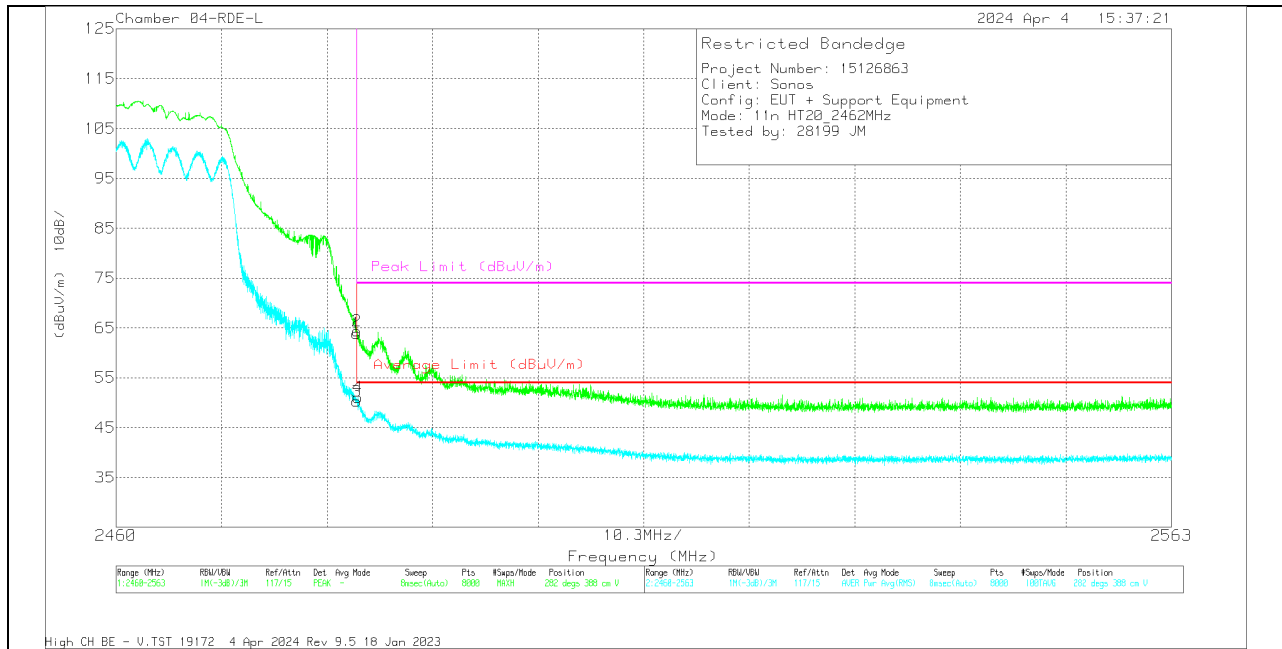
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	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
1	* 2483.5	58.05	Pk	32.4	-24.2	0	66.25	-	-	74	-7.75	28	382	H
2	* 2484.788	60.29	Pk	32.4	-24.2	0	68.49	-	-	74	-5.51	28	382	H
3	* 2483.5	42.1	RMS	32.4	-24.2	.6	50.9	54	-3.1	-	-	28	382	H
4	* 2484.621	43.28	RMS	32.4	-24.2	.6	52.08	54	-1.92	-	-	28	382	H

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

### VERTICAL RESULT

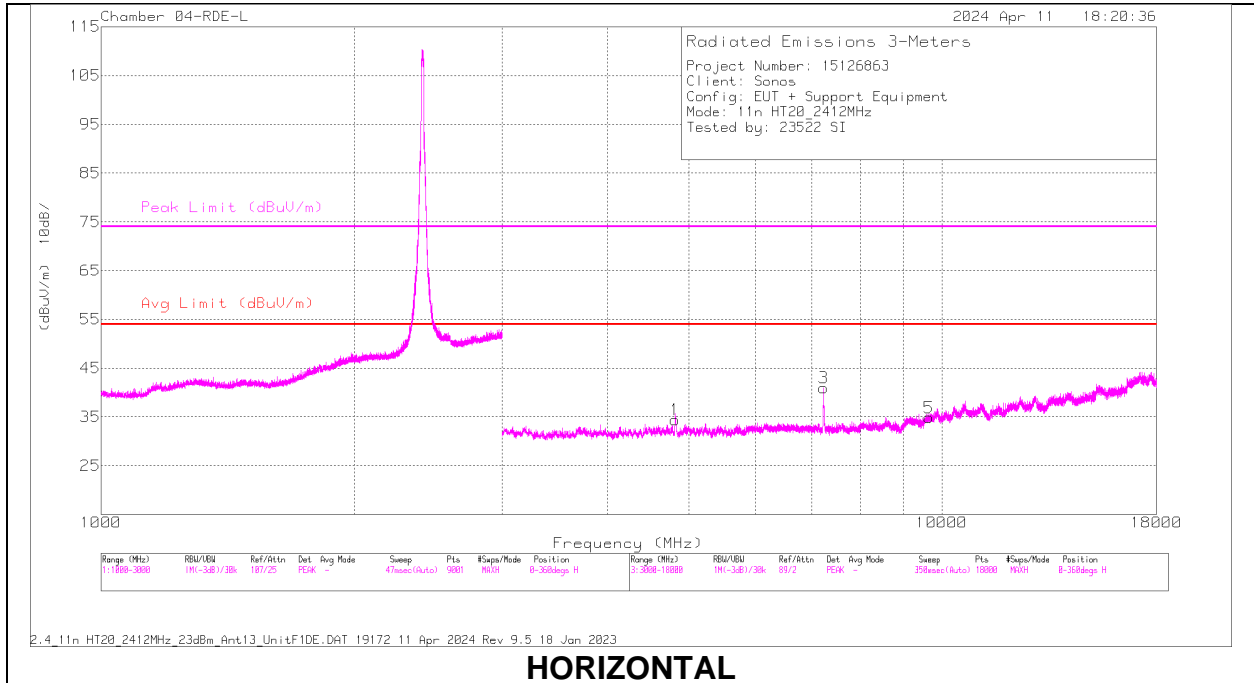


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	55.72	Pk	32.4	-24.2	0	63.92	-	-	74	-10.08	282	388	V
2	* 2483.526	56.23	Pk	32.4	-24.2	0	64.43	-	-	74	-9.57	282	388	V
3	* 2483.5	41.48	RMS	32.4	-24.2	.6	50.28	54	-3.72	-	-	282	388	V
4	* 2483.604	42.31	RMS	32.4	-24.2	.6	51.11	54	-2.89	-	-	282	388	V

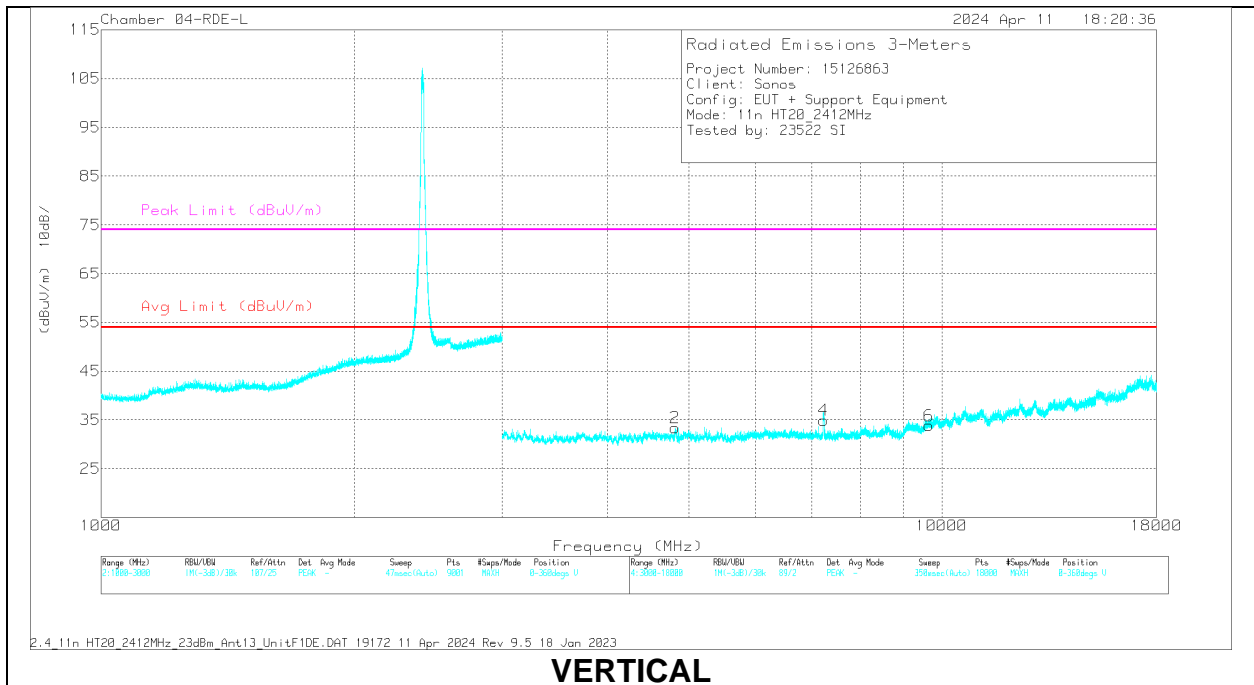
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL, CH 1 RESULTS**



**HORIZONTAL**



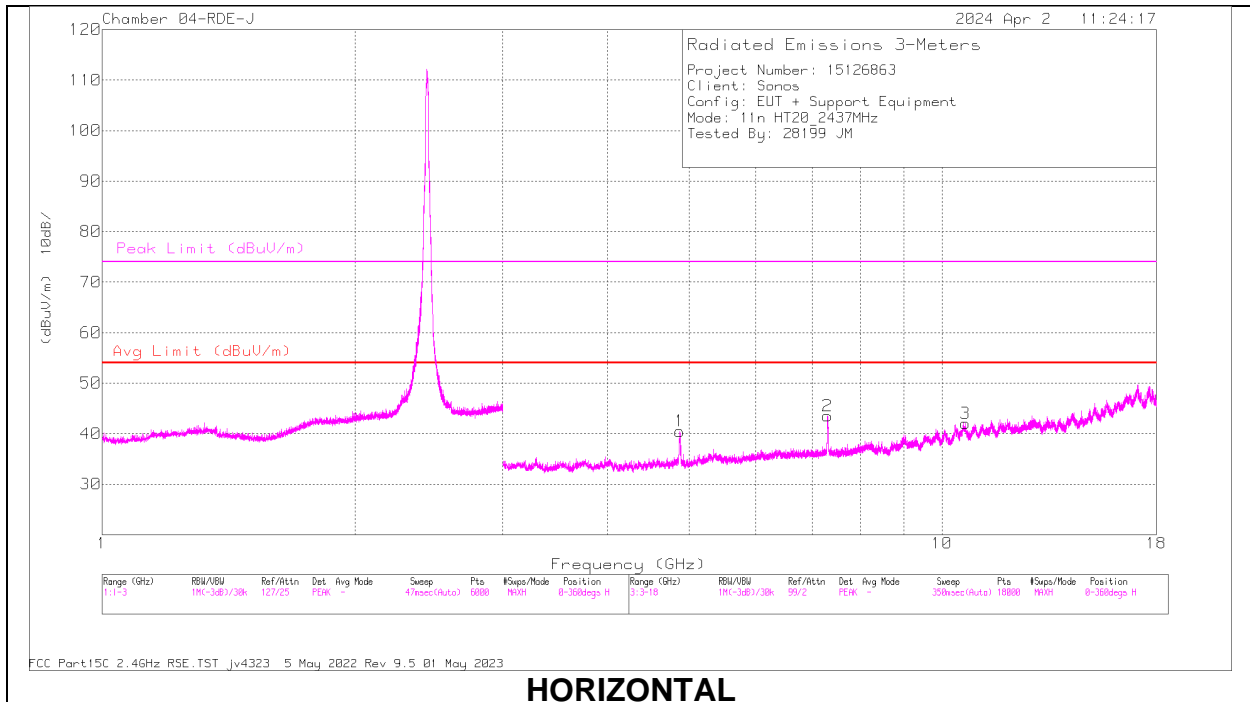
**VERTICAL**

**RADIATED EMISSIONS**

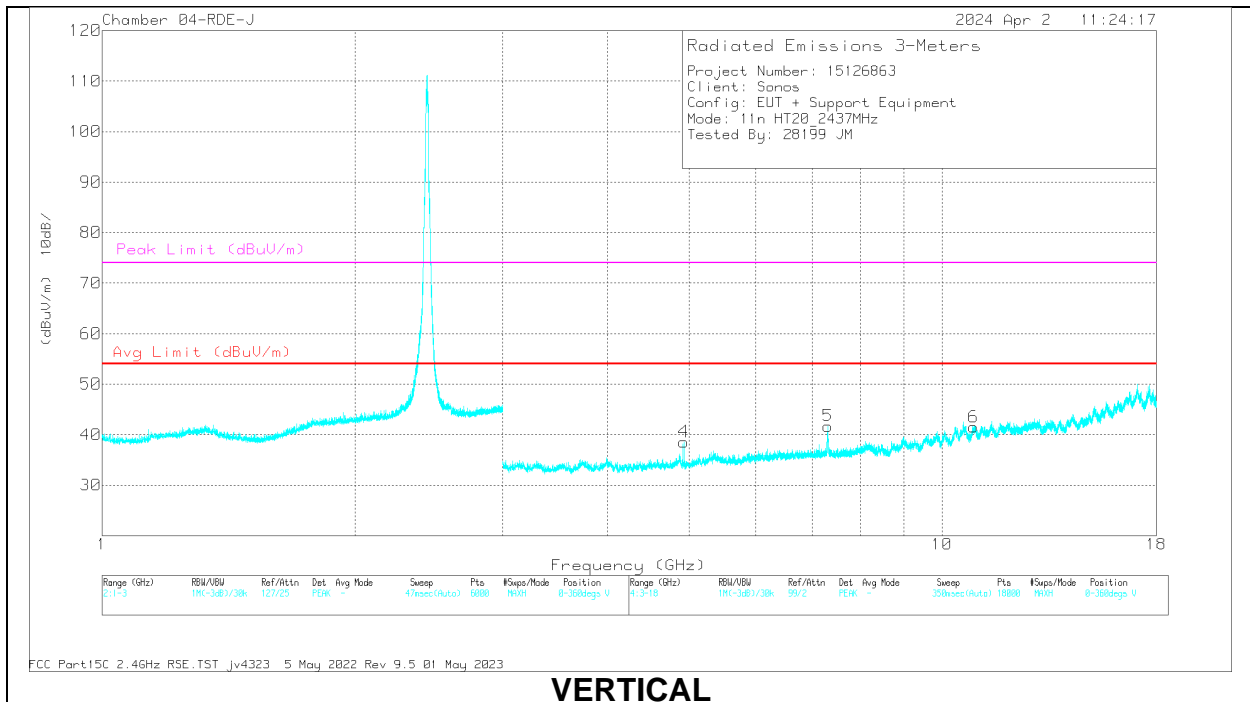
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4821.491	59.71	PK2	34.1	-48	0	45.81	-	-	74	-28.19	326	101	H
	* 4823.331	48.21	MAv1	34.1	-48	.6	34.91	54	-19.09	-	-	326	101	H
3	7238.438	58.41	PK2	35.6	-43.4	0	50.61	-	-	-	-	223	101	H
5	9650.538	46.79	PK2	36.8	-36.5	0	47.09	-	-	-	-	312	395	H
2	* 4823.663	61.16	PK2	34.1	-47.9	0	47.36	-	-	74	-26.64	117	378	V
	* 4823.624	48.51	MAv1	34.1	-47.9	.6	35.31	54	-18.69	-	-	117	378	V
4	7236.288	57.61	PK2	35.6	-43.4	0	49.81	-	-	-	-	133	397	V
6	9648.577	46.91	PK2	36.8	-36.5	0	47.21	-	-	-	-	349	399	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

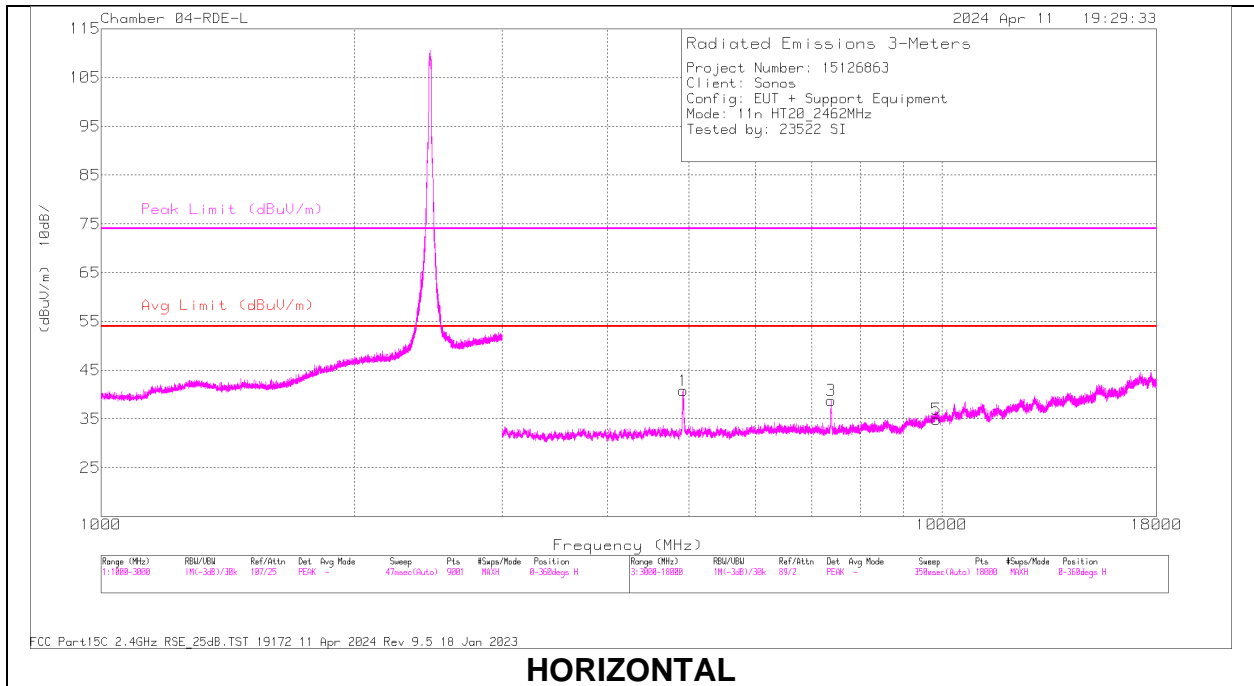


**RADIATED EMISSIONS**

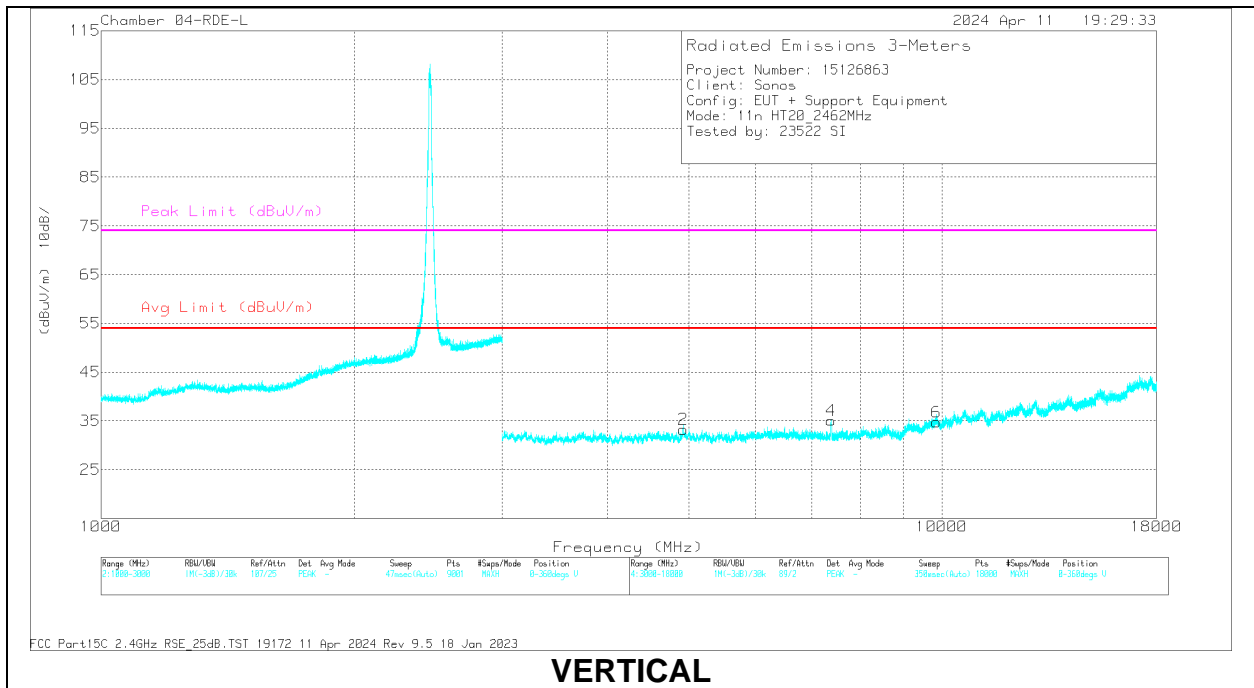
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.871308	61.85	PK2	34	-44.5	0	51.35	-	-	74	-22.65	171	183	H
	* 4.873669	50.25	MAv1	34	-44.6	.6	40.25	54	-13.75	-	-	171	183	H
2	* 7.313105	59.01	PK2	35.8	-42.2	0	52.61	-	-	74	-21.39	195	176	H
	* 7.305594	46.88	MAv1	35.8	-42.2	.6	41.08	54	-12.92	-	-	195	176	H
3	*10.654226	52.57	PK2	37.6	-38.6	0	51.57	-	-	74	-22.43	85	385	H
	*10.654246	41.26	MAv1	37.6	-38.6	.6	40.86	54	-13.14	-	-	85	385	H
4	* 4.924589	55.28	PK2	34.1	-44.4	0	44.98	-	-	74	-29.02	215	289	V
	* 4.957122	43.43	MAv1	34.1	-44.7	.6	33.43	54	-20.57	-	-	215	289	V
5	* 7.313172	56.95	PK2	35.8	-42.2	0	50.55	-	-	74	-23.45	246	143	V
	* 7.308428	44.71	MAv1	35.8	-42.2	.6	38.91	54	-15.09	-	-	246	143	V
6	*10.901945	52.16	PK2	37.8	-38.9	0	51.06	-	-	74	-22.94	150	337	V
	*10.905462	40.97	MAv1	37.8	-38.9	.6	40.47	54	-13.53	-	-	150	337	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### HIGH CHANNEL, CH 11 RESULTS



**HORIZONTAL**



**VERTICAL**

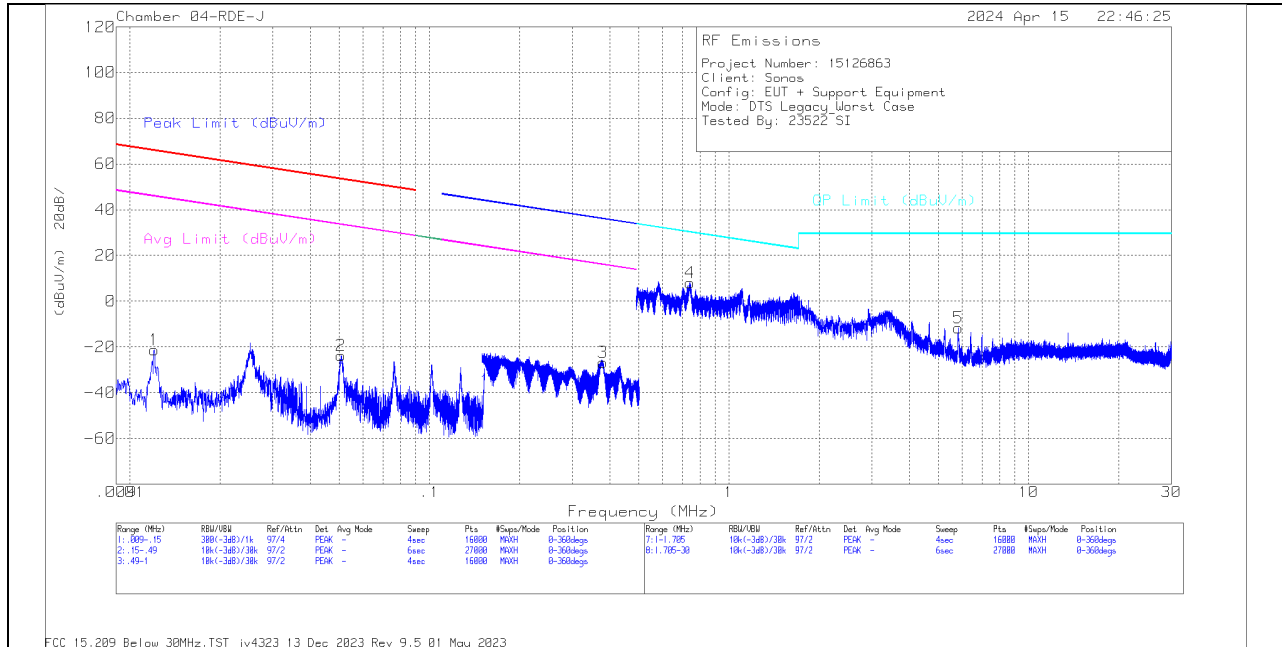
**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn 1mH (dB/m)	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	* 4926.784	64.26	PK2	34.2	-47.7	0	50.76	-	-	74	-23.24	19	106	H
	* 4926.561	52.47	MAv1	34.2	-47.7	.6	39.57	54	-14.43	-	-	19	106	H
3	* 7386.01	55.21	PK2	35.6	-43.1	0	47.71	-	-	74	-26.29	67	101	H
	* 7386.25	42.94	MAv1	35.6	-43.1	.6	36.04	54	-17.96	-	-	67	101	H
5	9847.545	48.02	PK2	37.1	-37.5	0	47.62	-	-	-	-	341	393	H
2	* 4923.991	58.75	PK2	34.2	-47.7	0	45.25	-	-	74	-28.75	44	372	V
	* 4923.863	46.95	MAv1	34.2	-47.7	.6	34.05	54	-19.95	-	-	44	372	V
4	* 7386.278	54.17	PK2	35.6	-43.1	0	46.67	-	-	74	-27.33	114	335	V
	* 7386.126	42.36	MAv1	35.6	-43.1	.6	35.46	54	-18.54	-	-	114	335	V
6	9848.193	48.39	PK2	37.1	-37.5	0	47.99	-	-	-	-	220	372	V

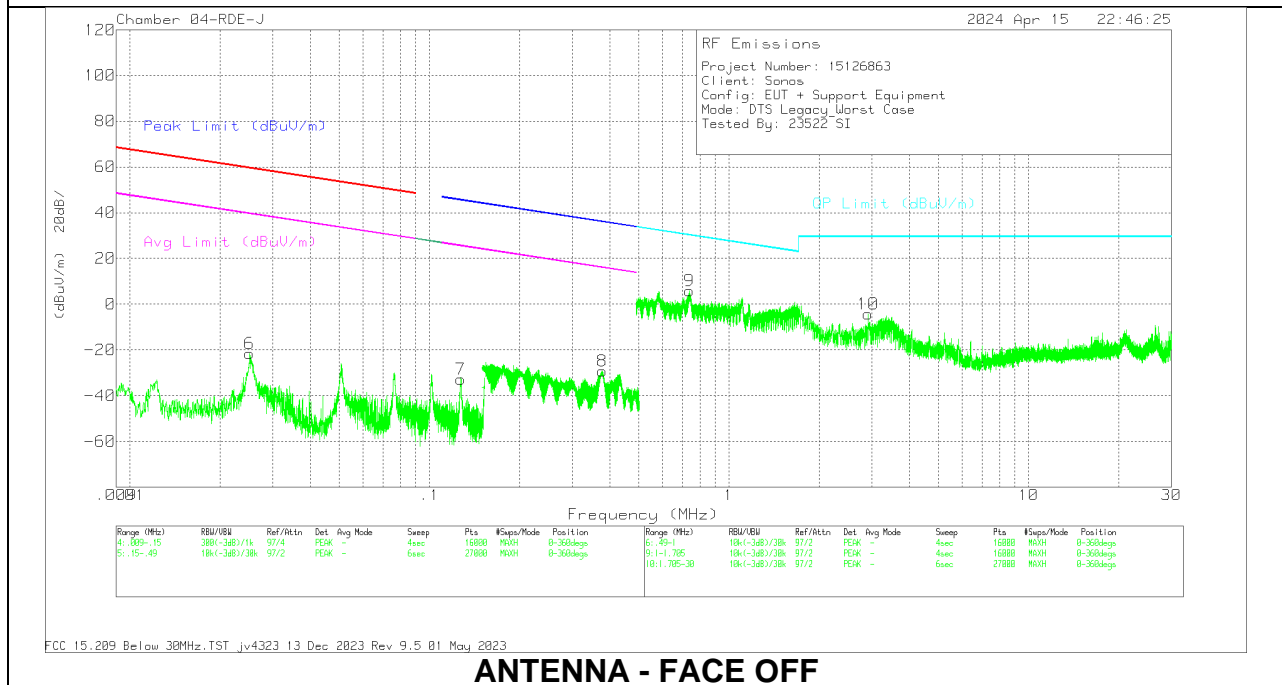
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

## 10.2. WORST CASE BELOW 30MHz

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



### ANTENNA- FACE ON



### ANTENNA - FACE OFF

**Below 30MHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF dB/m)	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)
1	.0121	29.13	Pk	60	-30.4	-80	-21.27	65.97	-87.24	45.97	-67.24	0-360	0-deg
6	.0251	31.63	Pk	58.4	-31.7	-80	-21.67	59.58	-81.25	39.58	-61.25	0-360	90-degs
2	.0508	31.08	Pk	56.9	-31.7	-80	-23.72	53.48	-77.2	33.48	-57.2	0-360	0-deg
7	.1271	24.06	Pk	55.7	-32.5	-80	-32.74	45.54	-78.28	25.54	-58.28	0-360	90-degs
8	.3778	26.87	Pk	56.1	-32.2	-80	-29.23	36.06	-65.29	16.06	-45.29	0-360	90-degs
3	.3794	29.36	Pk	56.1	-32.2	-80	-26.74	36.03	-62.77	16.03	-42.77	0-360	0-deg

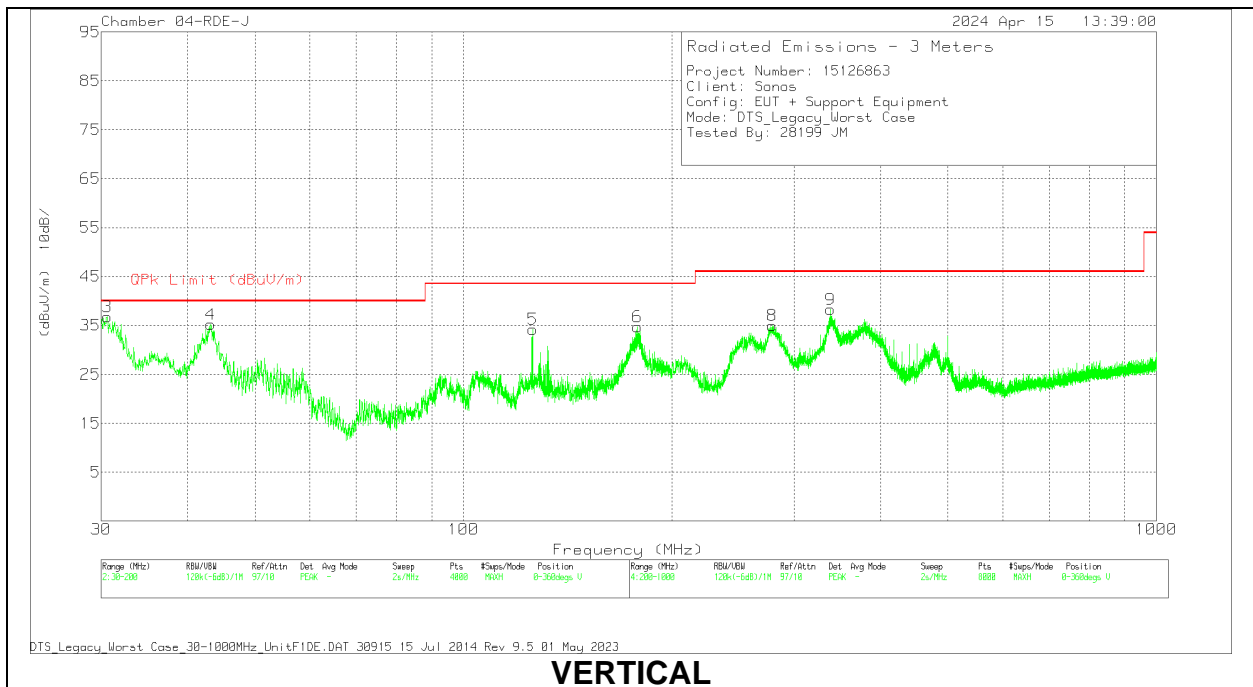
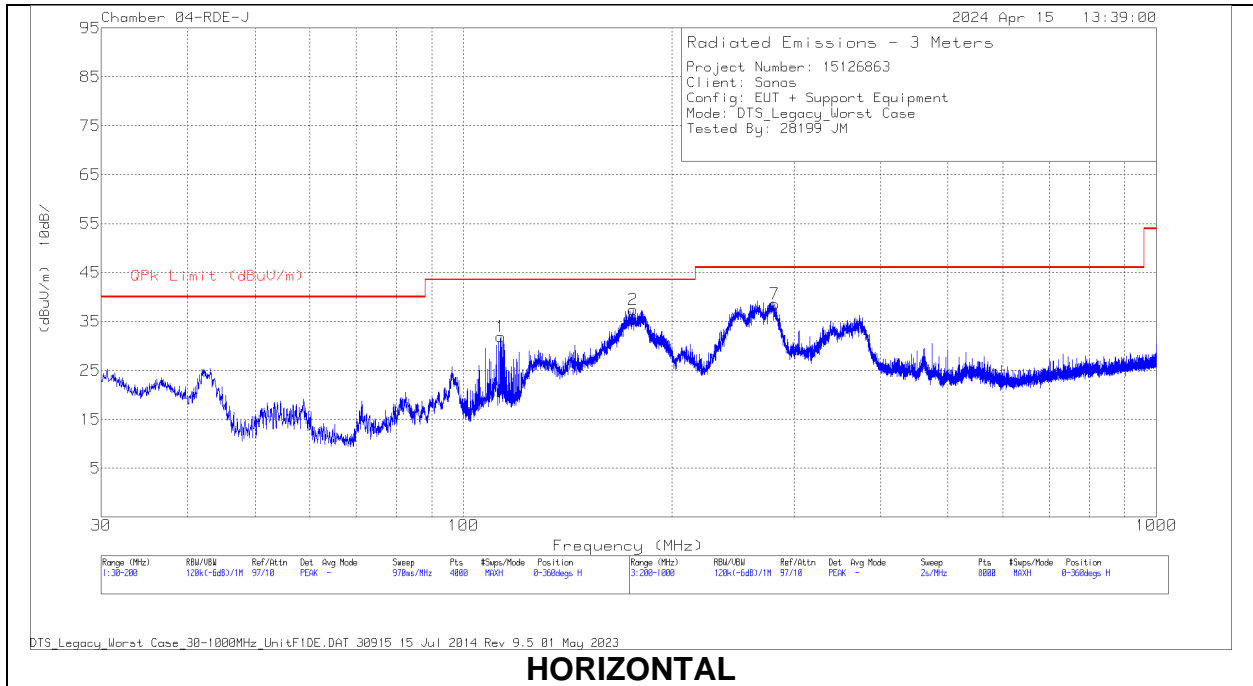
Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF dB/m)	CBL/AMP (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity (Degs)
9	.7384	21.97	Pk	56.1	-32.3	-40	5.77	30.25	-24.48	0-360	90-degs
4	.7409	24.32	Pk	56.1	-32.3	-40	8.12	30.22	-22.1	0-360	0-deg
10	2.9165	29.07	Pk	38.9	-32.3	-40	-4.33	29.5	-33.83	0-360	90-degs
5	5.8404	25.16	Pk	35.4	-32.2	-40	-11.64	29.5	-41.14	0-360	0-deg

Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHz

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

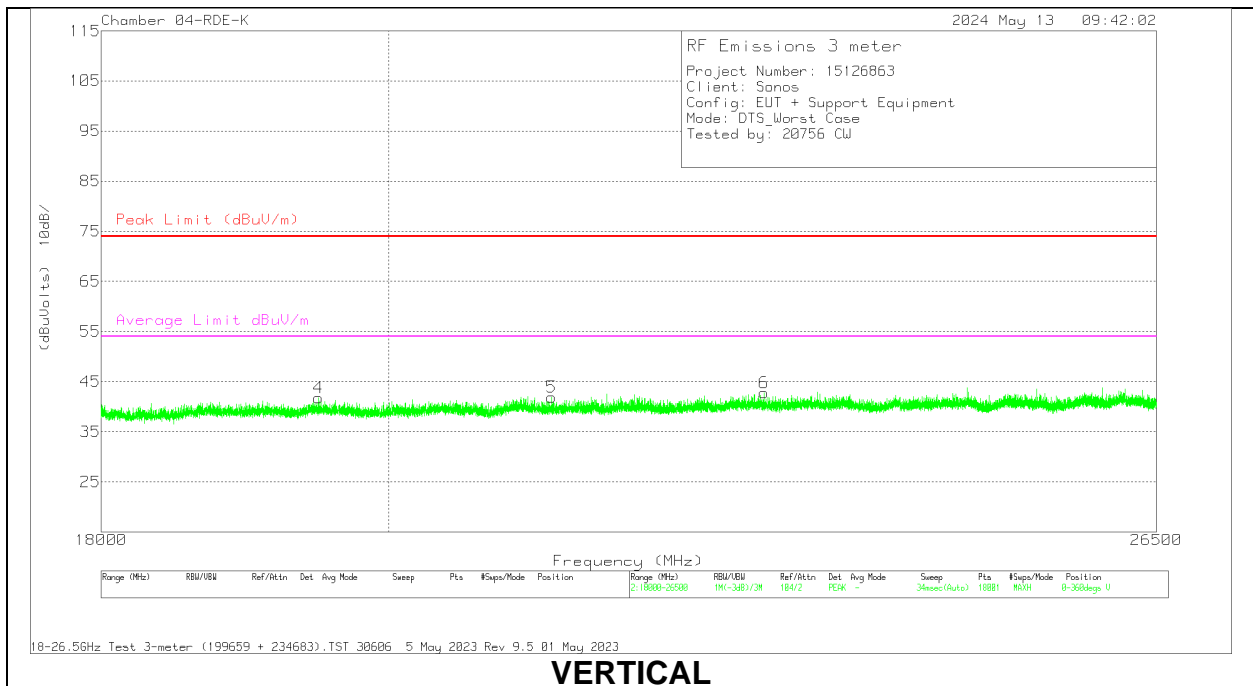
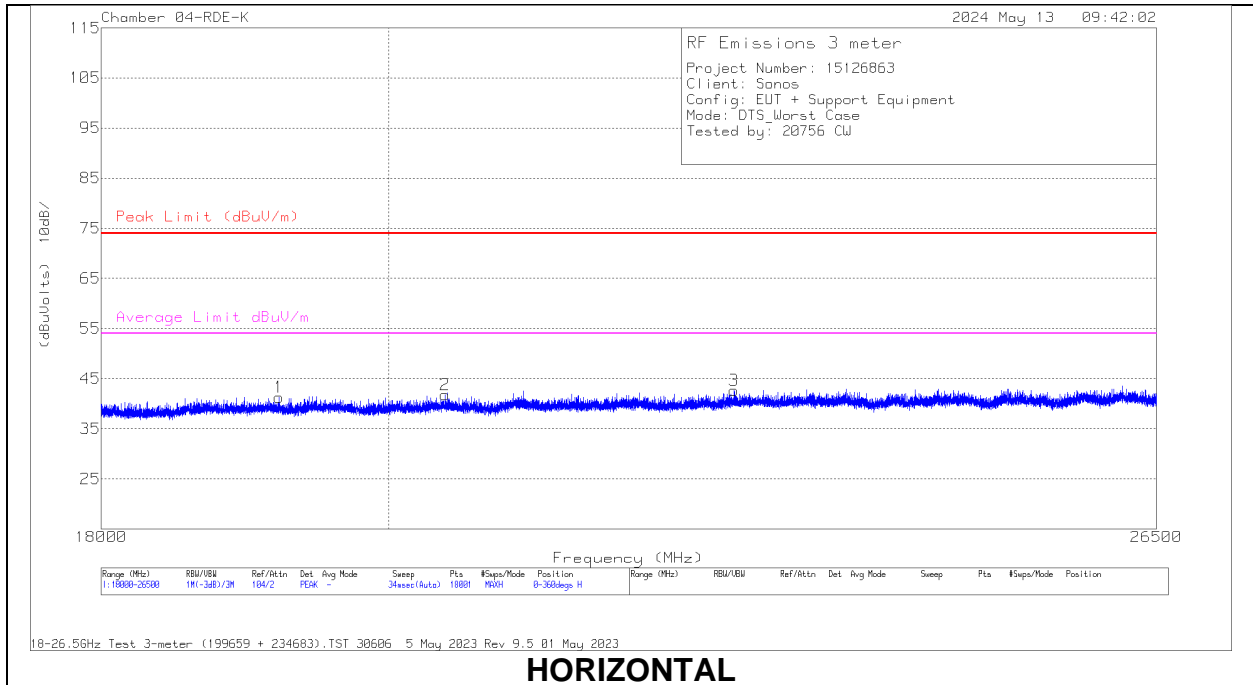


**Below 1GHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 113.109	43.99	Pk	19.1	-31.2	31.89	43.52	-11.63	0-360	199	H
5	* 125.947	45.31	Pk	20	-31.1	34.21	43.52	-9.31	0-360	100	V
7	* 281.211	49.75	Pk	19.2	-30.4	38.55	46.02	-7.47	0-360	99	H
8	* 279.21	46.22	Pk	19.2	-30.4	35.02	46.02	-11	0-360	199	V
3	30.5974	39.27	Qp	26.3	-31.8	33.77	40	-6.23	61	107	V
4	43.1121	47.37	Qp	17.5	-31.7	33.17	40	-6.83	231	100	V
2	175.813	51.17	Pk	17.2	-30.9	37.47	43.52	-6.05	0-360	199	H
6	178.321	48.44	Pk	17.1	-30.8	34.74	43.52	-8.78	0-360	100	V
9	338.618	48.65	Pk	19.9	-30.3	38.25	46.02	-7.77	0-360	99	V

### 10.4. 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	* 19214.083	52.85	Pk	32.5	-62.5	18.4	41.25	74	-32.75	-	-	0-360	199	H
2	* 20419.193	51.54	Pk	33	-61.7	18.9	41.74	74	-32.26	-	-	0-360	199	H
3	* 22700.97	51.97	Pk	33.3	-62.5	19.9	42.67	74	-31.33	-	-	0-360	199	H
4	* 19490.333	53.45	Pk	32.6	-62.8	18.5	41.75	74	-32.25	-	-	0-360	200	V
5	* 21231.415	51.35	Pk	32.9	-61.6	19.3	41.95	74	-32.05	-	-	0-360	101	V
6	* 22949.359	51.79	Pk	33.5	-62.5	20	42.79	74	-31.21	-	-	0-360	101	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 (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

### 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.

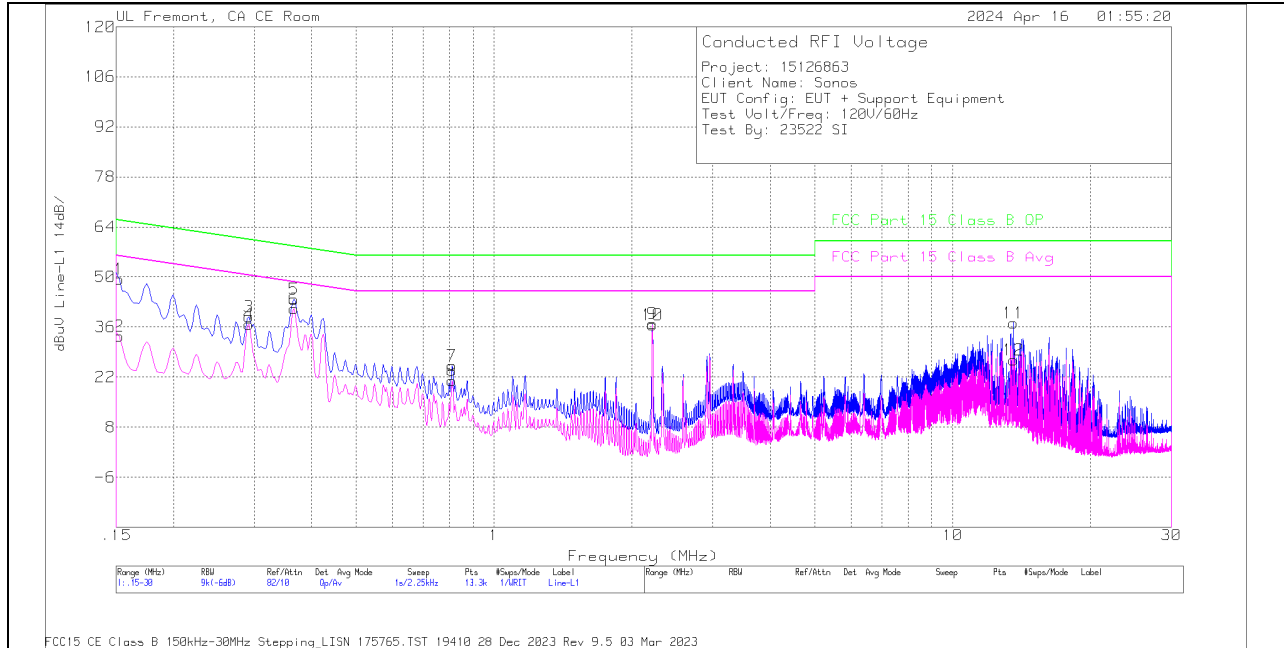
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

**AC Power Line Norm**

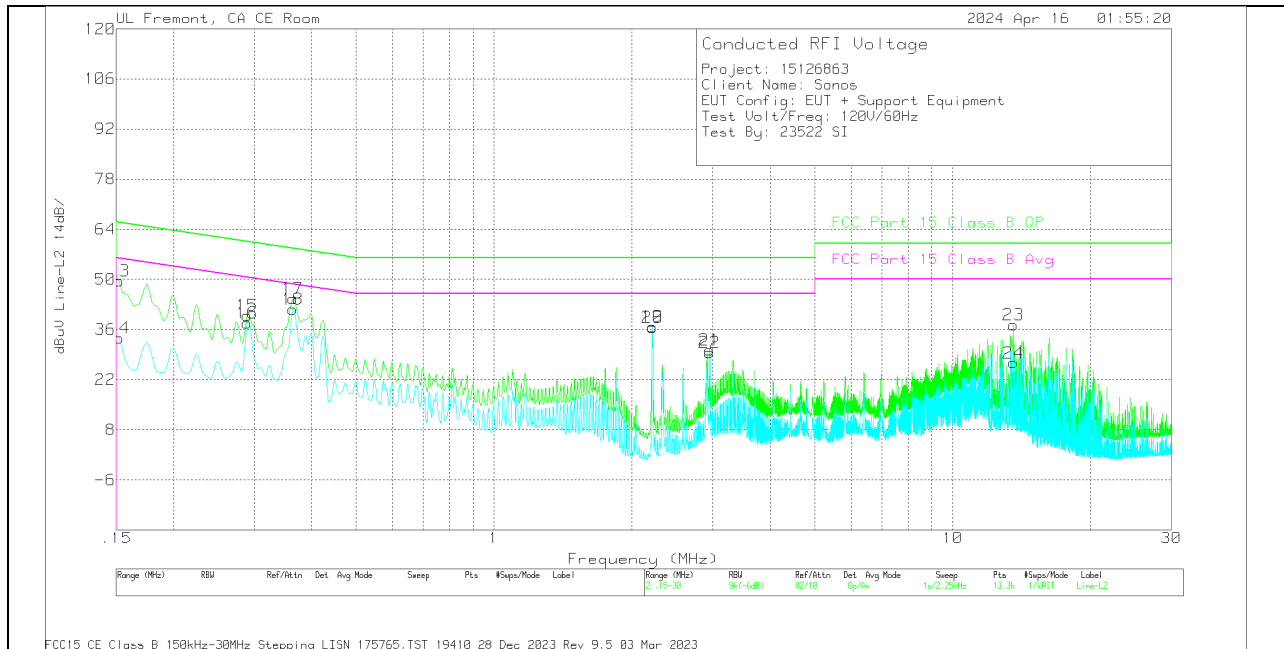
**LINE 1 RESULTS**



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	23.77	Av	.1	0	9.5	33.37	-	-	55.88	-22.51
4	.2918	27.3	Av	0	.1	9.4	36.8	-	-	50.47	-13.67
6	.366	31.67	Av	0	0	9.4	41.07	-	-	48.59	-7.52
8	.8093	11.66	Av	0	.1	9.3	21.06	-	-	46	-24.94
10	2.2155	27.12	Av	0	.1	9.4	36.62	-	-	46	-9.38
12	13.5623	16.91	Av	.1	.3	9.5	26.81	-	-	50	-23.19
1	.1523	39.82	Qp	.1	0	9.5	49.42	65.88	-16.46	-	-
3	.2918	29.41	Qp	0	.1	9.4	38.91	60.47	-21.56	-	-
5	.366	34.35	Qp	0	0	9.4	43.75	58.59	-14.84	-	-
7	.8093	15.78	Qp	0	.1	9.3	25.18	56	-30.82	-	-
9	2.2155	27.45	Qp	0	.1	9.4	36.95	56	-19.05	-	-
11	13.5623	27.28	Qp	.1	.3	9.5	37.18	60	-22.82	-	-

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	23.95	Av	.1	0	9.5	33.55	-	-	55.88	-22.33
16	.2895	28.35	Av	0	.1	9.4	37.85	-	-	50.54	-12.69
18	.3638	32.15	Av	0	.1	9.4	41.65	-	-	48.64	-6.99
20	2.2133	27.07	Av	0	.1	9.4	36.57	-	-	46	-9.43
22	2.9513	20.05	Av	0	.2	9.4	29.65	-	-	46	-16.35
24	13.56	16.89	Av	.1	.2	9.5	26.69	-	-	50	-23.31
13	.1523	39.94	Qp	.1	0	9.5	49.54	65.88	-16.34	-	-
15	.2895	30.39	Qp	0	.1	9.4	39.89	60.54	-20.65	-	-
17	.3638	35.11	Qp	0	.1	9.4	44.61	58.64	-14.03	-	-
19	2.2133	27.21	Qp	0	.1	9.4	36.71	56	-19.29	-	-
21	2.9513	20.67	Qp	0	.2	9.4	30.27	56	-25.73	-	-
23	13.56	27.49	Qp	.1	.2	9.5	37.29	60	-22.71	-	-

Qp - Quasi-Peak detector  
 Av - Average detection

## 12. SETUP PHOTOS

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

**END OF TEST REPORT**