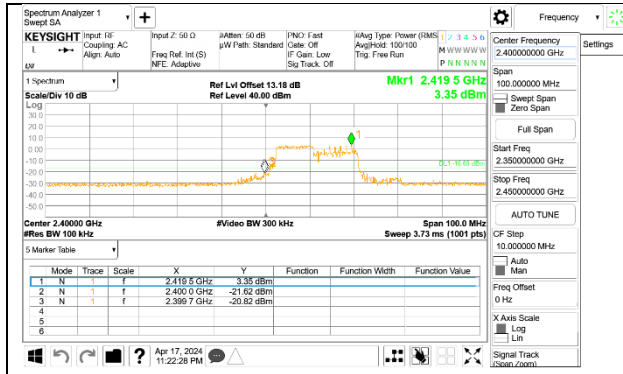
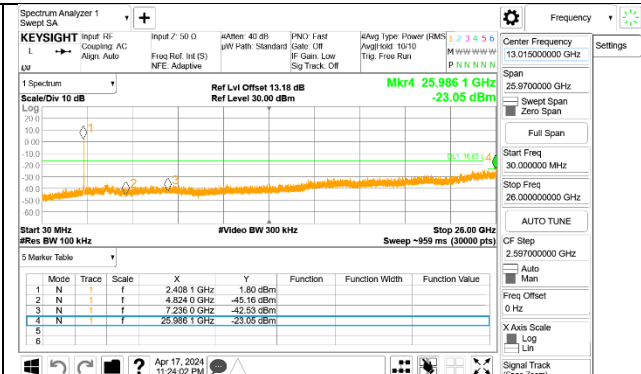


**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 106-Tones, RU Index 53**

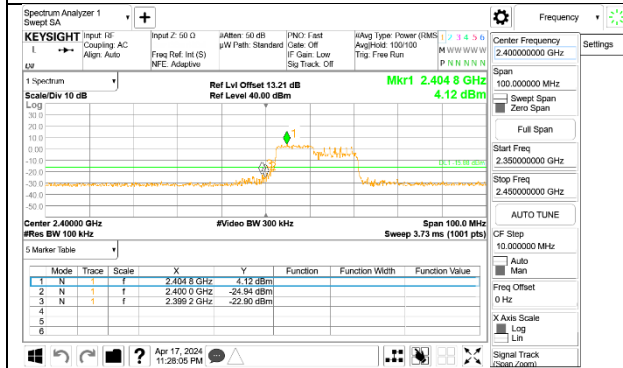
**LOW CHANNEL 1**



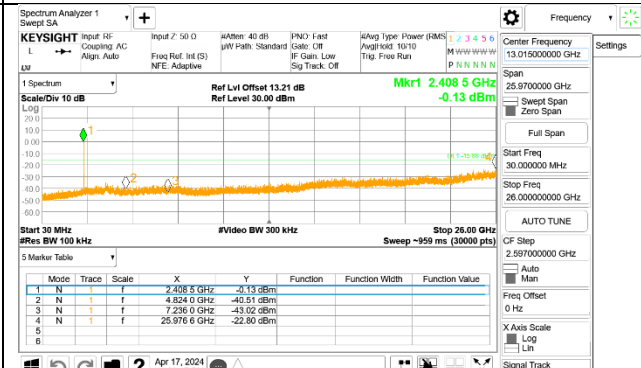
**LOW CHANNEL 1 BANDEDGE Antenna 1**



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

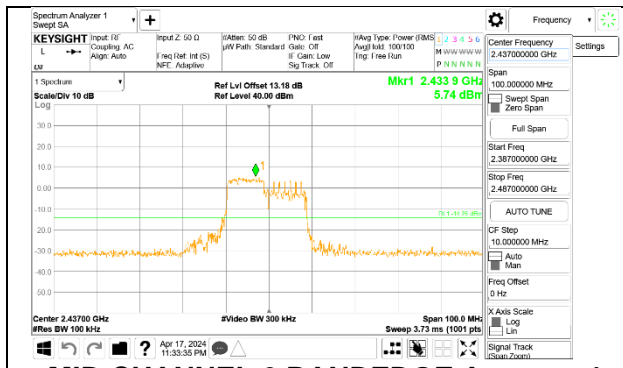


**LOW CHANNEL 1 BANDEDGE Antenna 3**

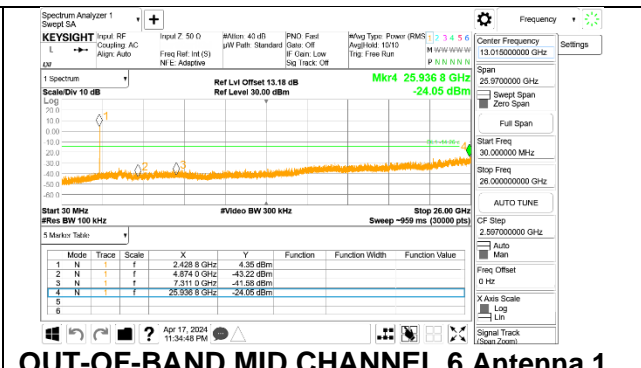


**OUT-OF-BAND LOW CHANNEL 1 Antenna 3**

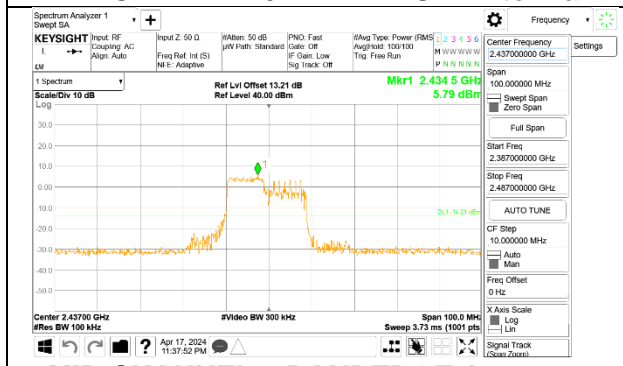
**MID CHANNEL 6**



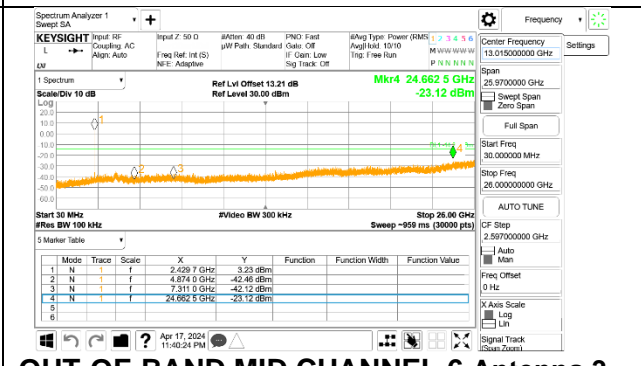
**MID CHANNEL 6 BANDEDGE Antenna 1**



**OUT-OF-BAND MID CHANNEL 6 Antenna 1**



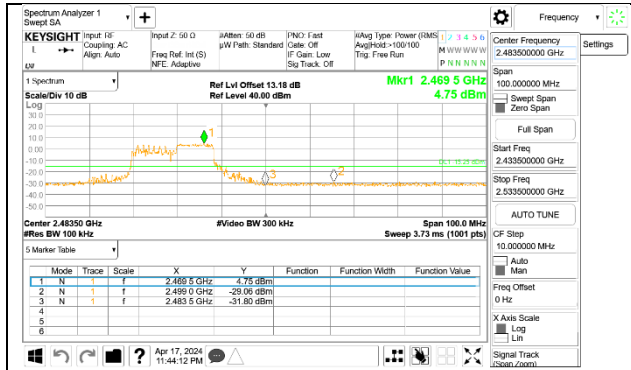
**MID CHANNEL 6 BANDEDGE Antenna 3**



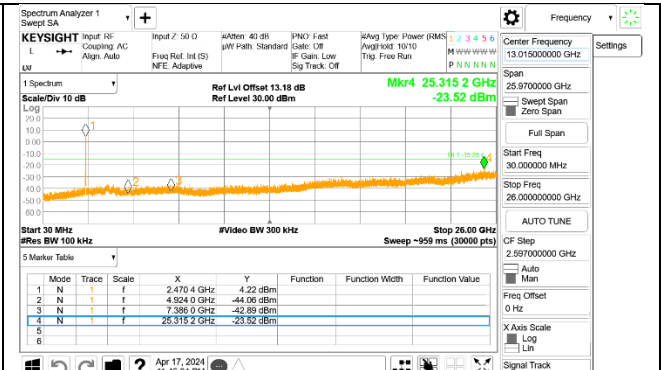
**OUT-OF-BAND MID CHANNEL 6 Antenna 3**

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

**HIGH CHANNEL 11**



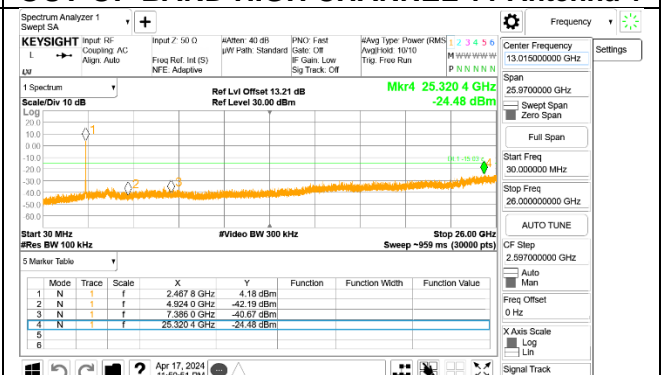
**HIGH CHANNEL 11 BANDEDGE Antenna 1**



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



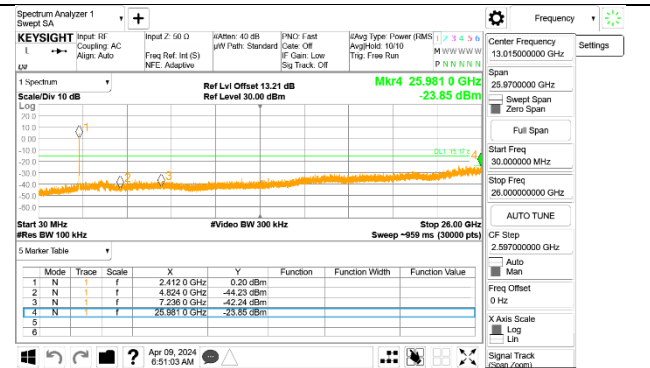
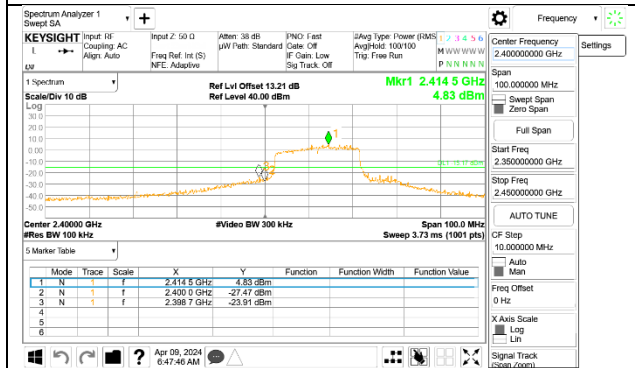
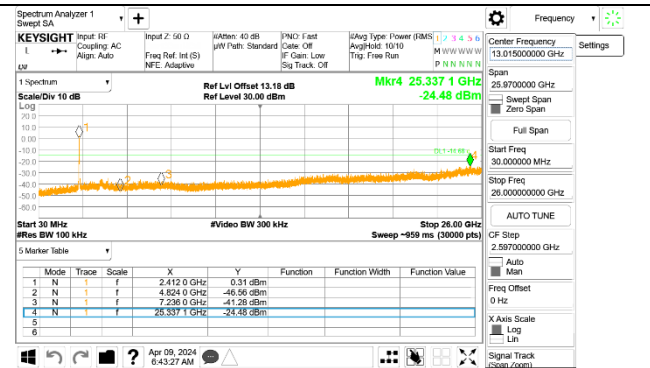
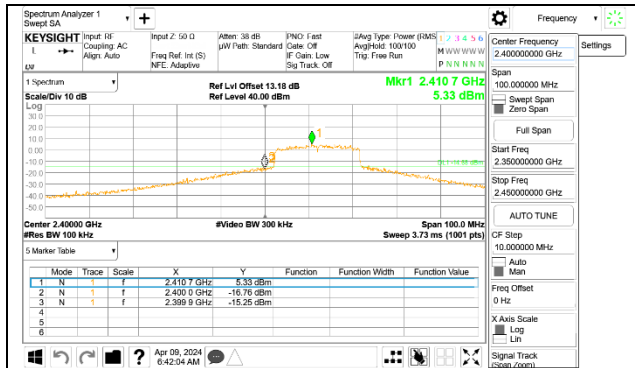
**HIGH CHANNEL 11 BANDEDGE Antenna 3**



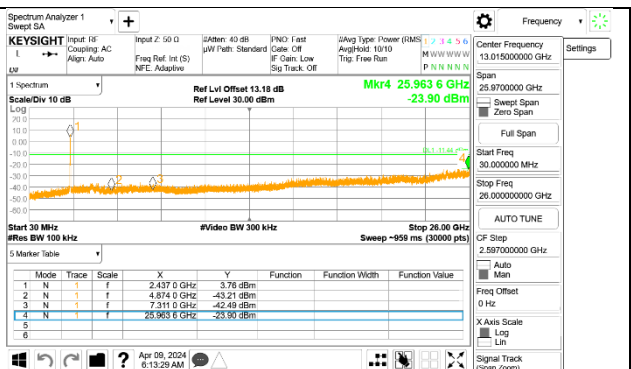
**OUT-OF-BAND HIGH CHANNEL 11 Antenna 3**

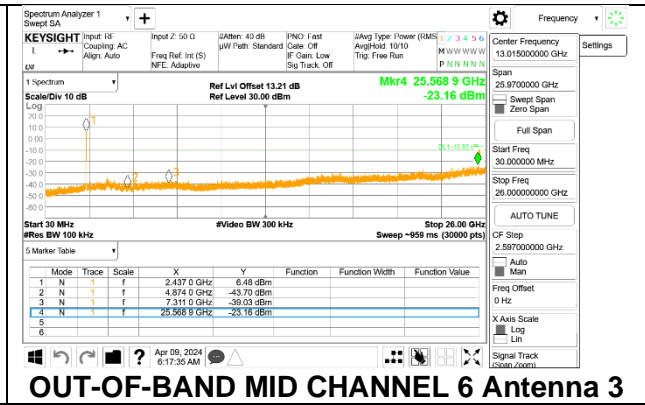
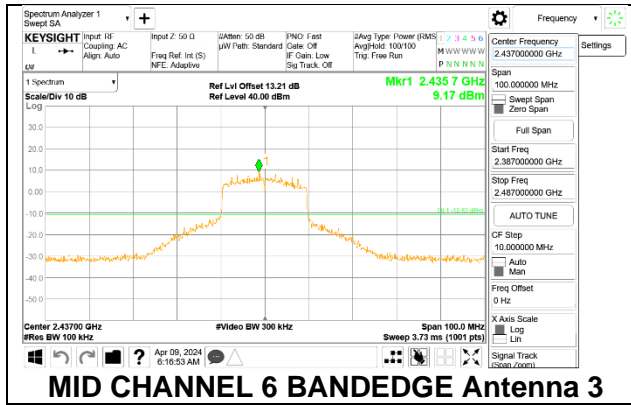
2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User

LOW CHANNEL 1

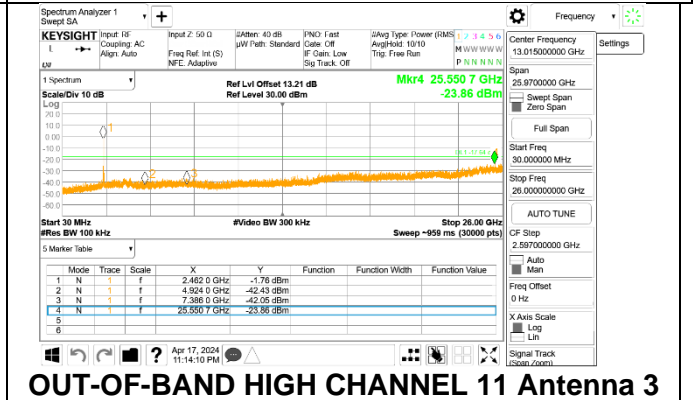
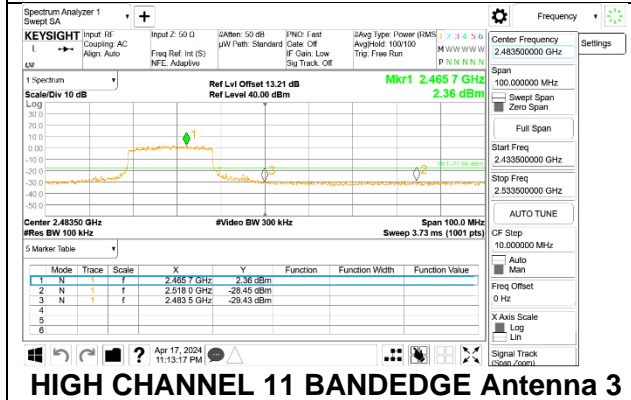
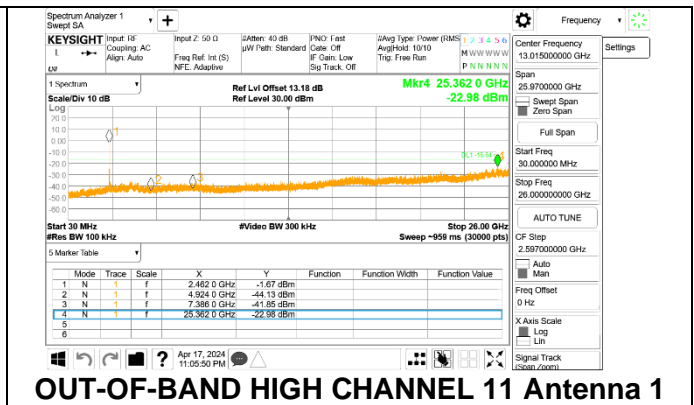
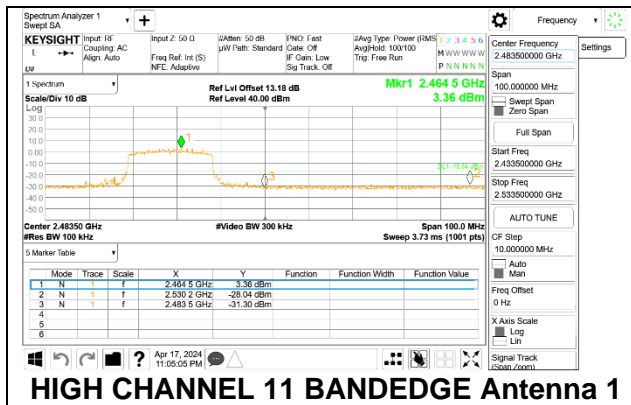


MID CHANNEL 6





**HIGH CHANNEL 11**



## 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 30MHz, 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.

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.

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 the FCC 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.

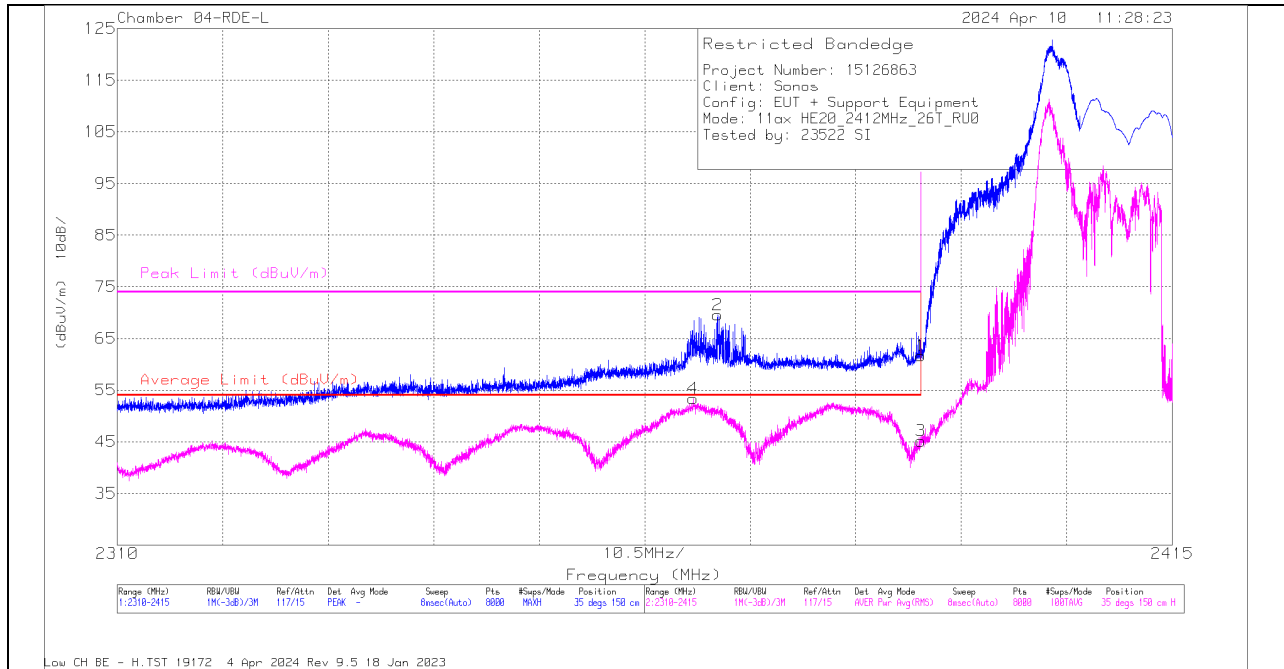
## 10.1. TRANSMITTER ABOVE 1 GHz

### 10.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 2.4GHz BAND

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

#### BANDEDGE (LOW CHANNEL 1)

#### HORIZONTAL RESULT



#### TRACE MARKER

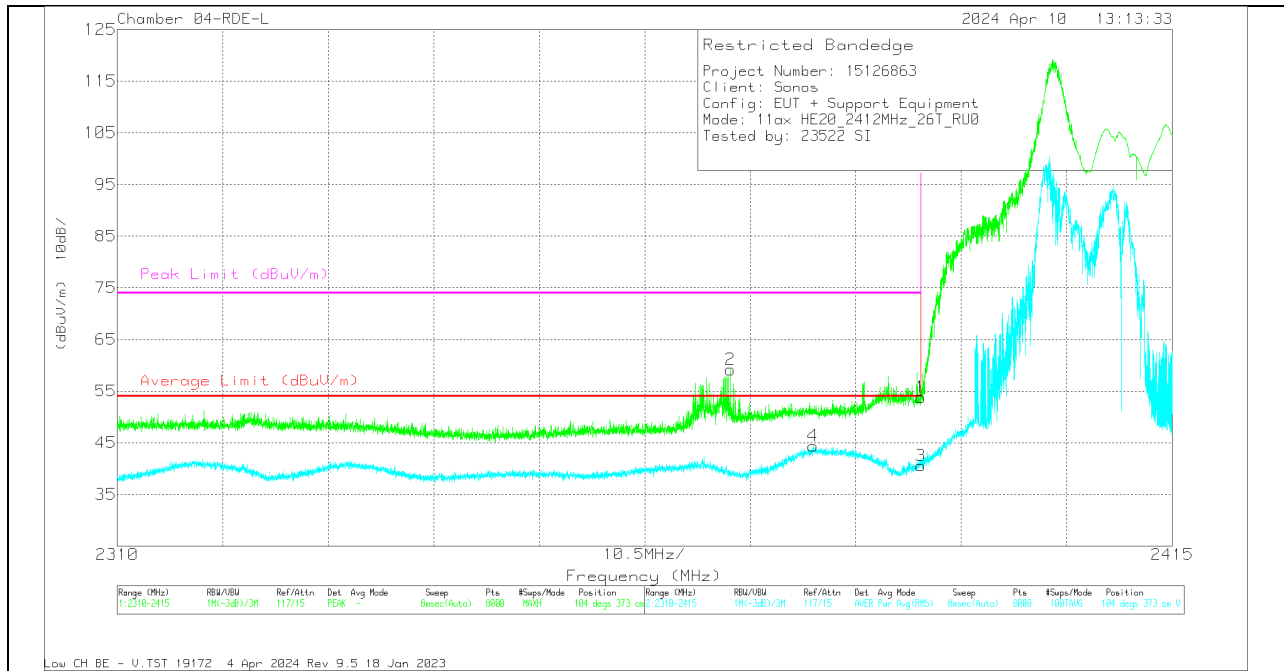
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	53.84	Pk	32.1	-24.3	0	61.64	-	-	74	-12.36	35	150	H
2	* 2369.754	61.84	Pk	32	-24.3	0	69.54	-	-	74	-4.46	35	150	H
3	* 2390	34.22	RMS	32.1	-24.3	3.13	45.15	54	-8.85	-	-	35	150	H
4	* 2367.312	42.63	RMS	31.9	-24.3	3.13	53.36	54	-64	-	-	35	150	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### TRACE MARKER

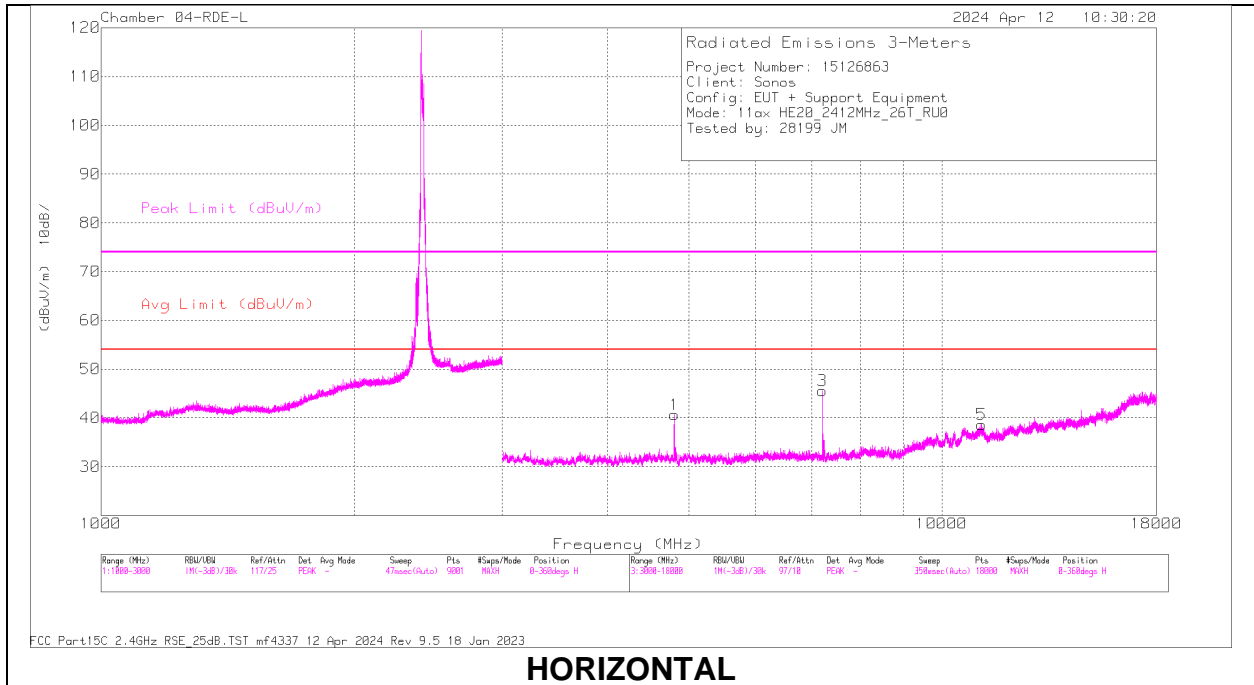
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	46.01	Pk	32.1	-24.3	0	53.81	-	-	74	-20.19	104	373	V
2	* 2371.014	51.56	Pk	32	-24.4	0	59.16	-	-	74	-14.84	104	373	V
3	* 2390	29.65	RMS	32.1	-24.3	3.13	40.58	54	-13.42	-	-	104	373	V
4	* 2379.258	33.55	RMS	32	-24.3	3.13	44.38	54	-9.62	-	-	104	373	V

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

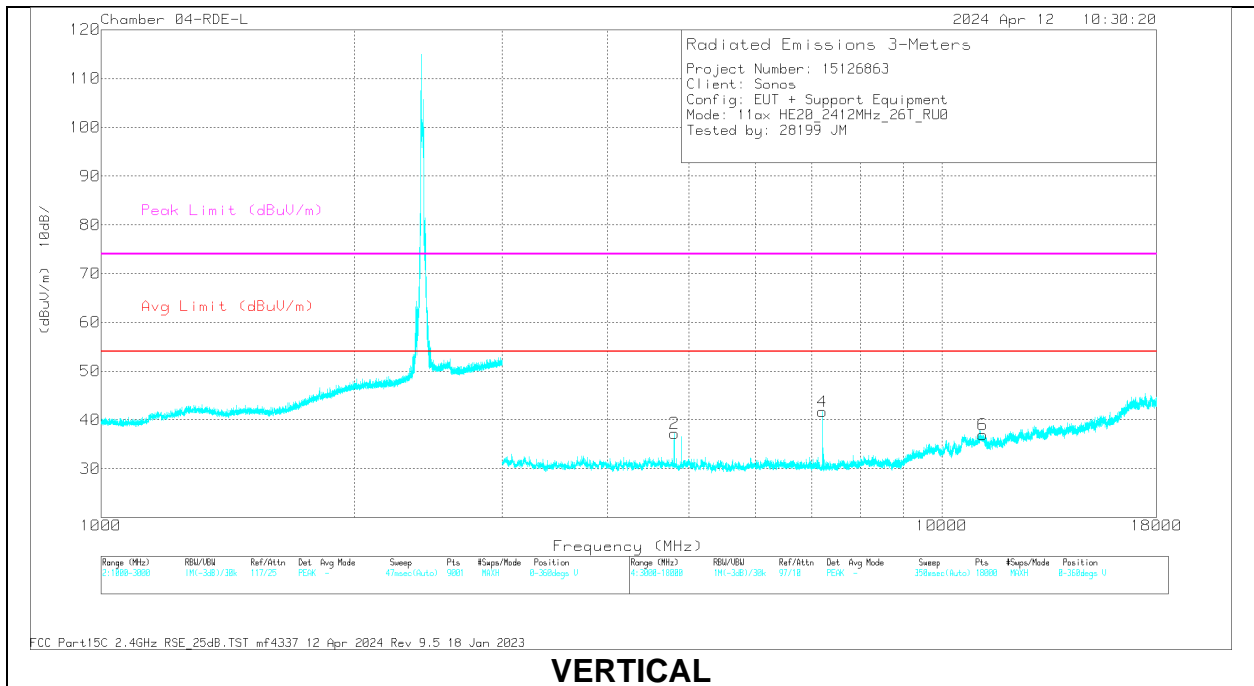


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL 1 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

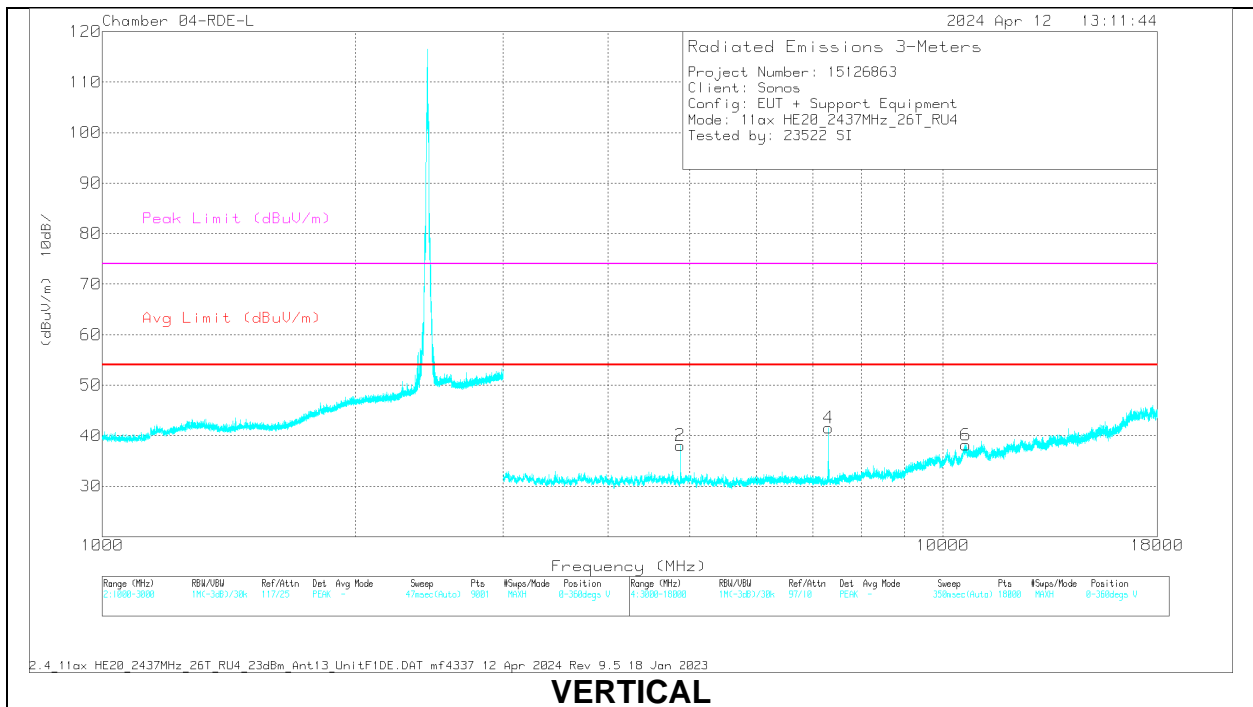
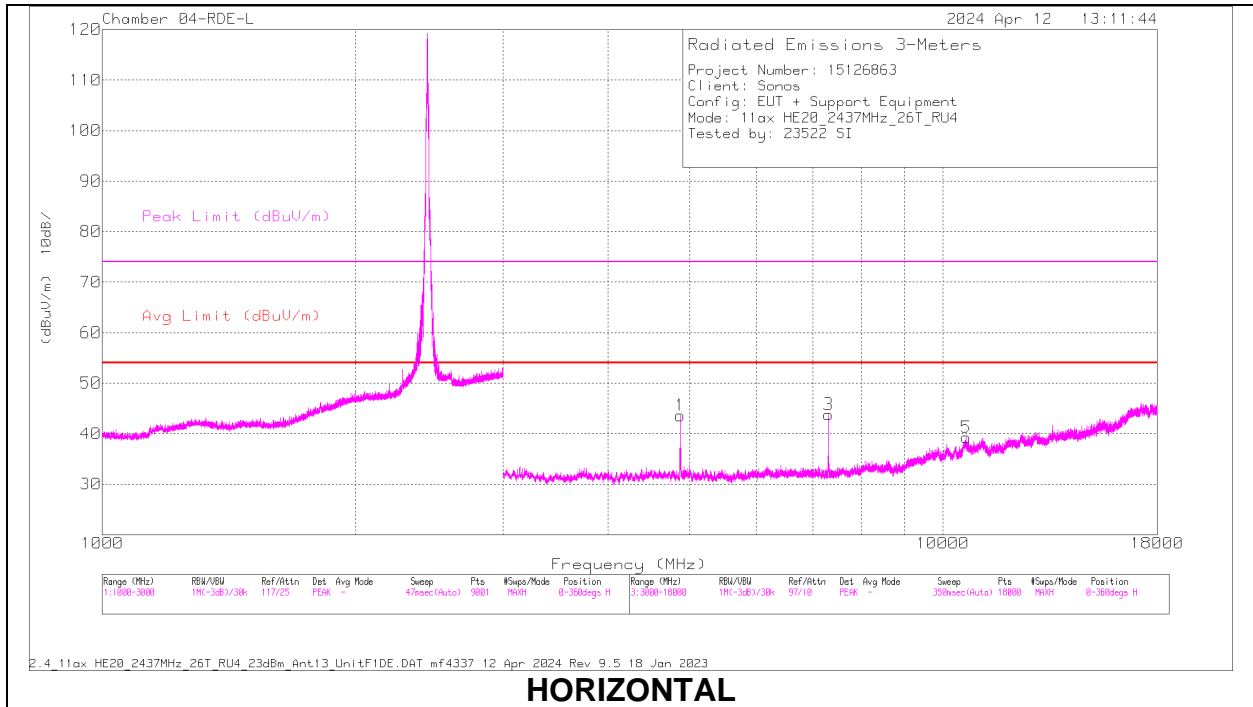
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn 1mH	Amp/Cb/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4805.523	61.62	PK2	34.1	-48	0	47.72	-	-	74	-26.28	323	106	H
	* 4807.397	50.81	MAv1	34.1	-48.1	3.13	39.94	54	-14.06	-	-	323	106	H
3	7209.923	63.49	PK2	35.6	-43.6	0	55.49	-	-	-	-	344	102	H
	*11154.378	48.02	PK2	37.9	-35.9	0	50.02	-	-	74	-23.98	11	386	H
5	*11153.976	36.04	MAv1	37.9	-35.9	3.13	41.17	54	-12.83	-	-	11	386	H
	* 4806.633	62.78	PK2	34.1	-48.1	0	48.78	-	-	74	-25.22	339	341	V
2	* 4806.827	50.82	MAv1	34.1	-48.1	3.13	39.95	54	-14.05	-	-	339	341	V
	7209.277	65.08	PK2	35.6	-43.6	0	57.08	-	-	-	-	132	391	V
4	* 11196.35	46.9	PK2	37.9	-35.5	0	49.3	-	-	74	-24.7	266	394	V
	*11192.117	35.52	MAv1	37.9	-35.6	3.13	40.95	54	-13.05	-	-	266	394	V

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

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

**HARMONICS AND SPURIOUS EMISSIONS**

**MID CHANNEL 6 RESULTS**



**RADIATED EMISSIONS**

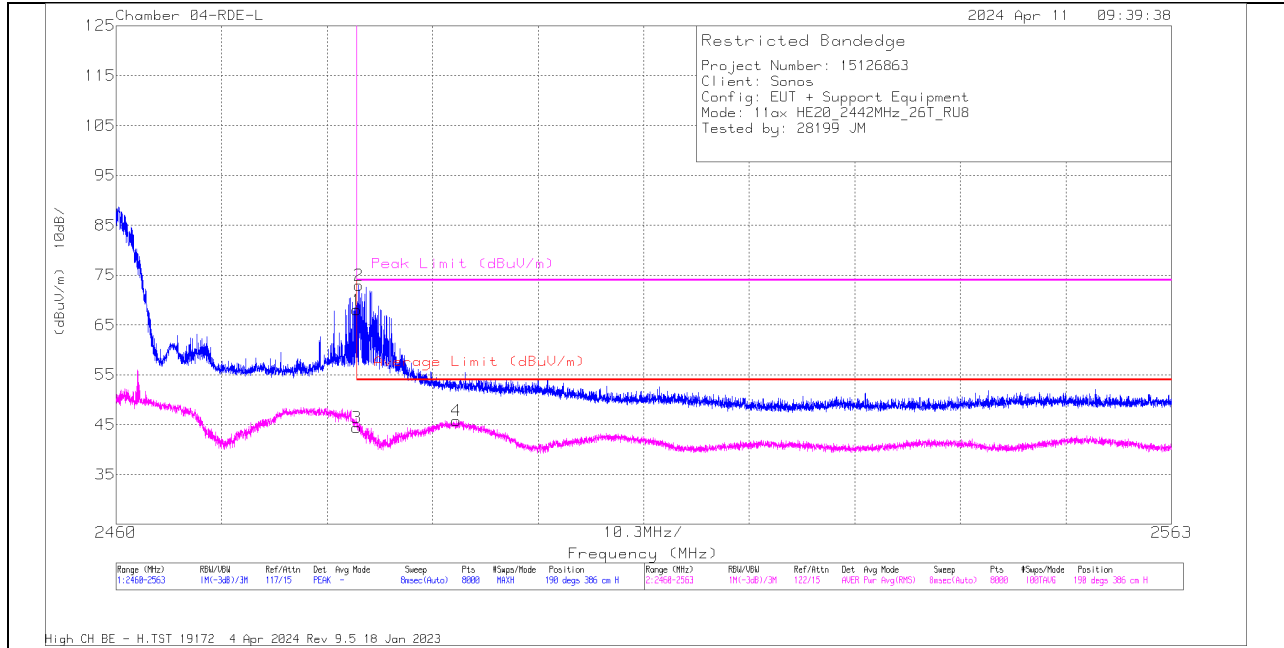
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn 1mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4876.072	65.87	PK2	34.1	-47.6	0	52.37	-	-	74	-21.63	20	119	H
	* 4873.969	55.12	MAv1	34.1	-47.6	3.13	44.75	54	-9.25	-	-	20	119	H
3	* 7312.734	62.52	PK2	35.6	-42.9	0	55.22	-	-	74	-18.78	350	345	H
	* 7311.288	48.45	MAv1	35.6	-42.9	3.13	44.28	54	-9.72	-	-	350	345	H
5	*10661.743	50.99	PK2	37.9	-38.6	0	50.29	-	-	74	-23.71	160	391	H
	*10664.533	39.59	MAv1	37.9	-38.8	3.13	41.82	54	-12.18	-	-	160	391	H
2	* 4875.938	62.98	PK2	34.1	-47.6	0	49.48	-	-	74	-24.52	307	208	V
	* 4873.865	51.05	MAv1	34.1	-47.6	3.13	40.68	54	-13.32	-	-	307	208	V
4	* 7313.035	62.45	PK2	35.6	-42.9	0	55.15	-	-	74	-18.85	296	104	V
	* 7310.363	48.06	MAv1	35.6	-42.9	3.13	43.89	54	-10.11	-	-	296	104	V
6	*10657.394	51.01	PK2	37.9	-38.4	0	50.51	-	-	74	-23.49	250	395	V
	*10658.768	39.28	MAv1	37.9	-38.5	3.13	41.81	54	-12.19	-	-	250	395	V

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

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

**BANDEDGE (HIGH CHANNEL 7)**

**HORIZONTAL RESULT**

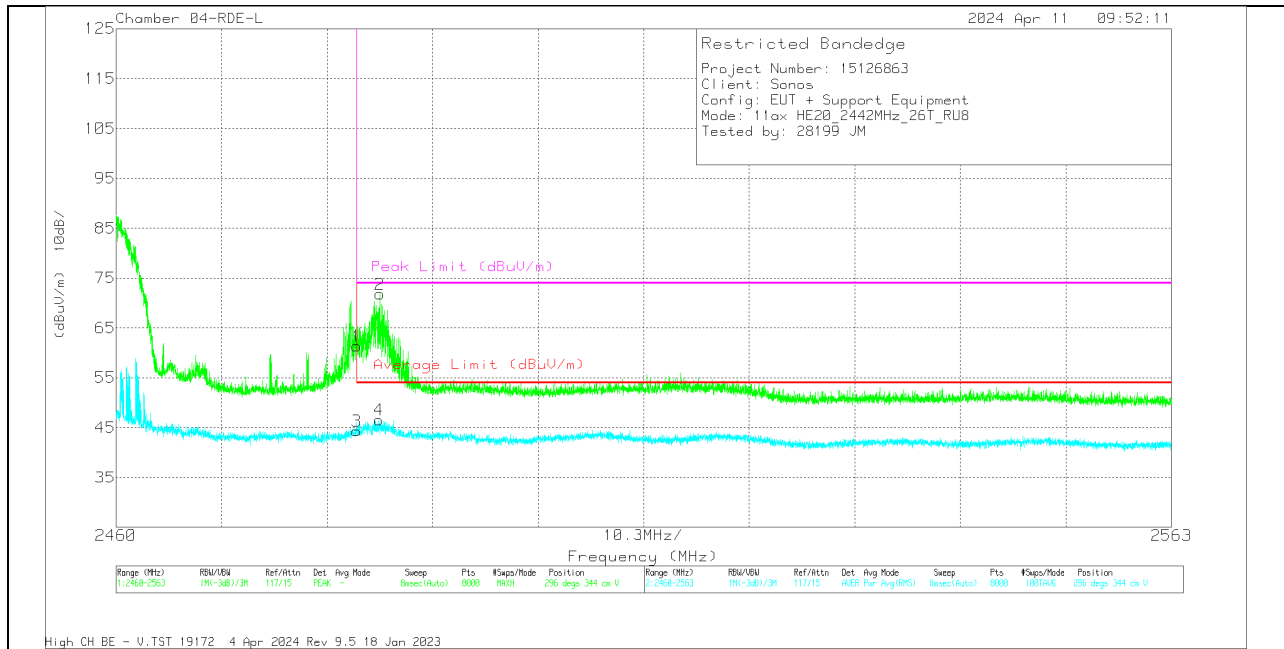


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	59.79	Pk	32.4	-24.2	0	67.99	-	-	74	-6.01	190	386	H
2	* 2483.707	64.8	Pk	32.4	-24.2	0	73	-	-	74	-1	190	386	H
3	* 2483.5	33.14	RMS	32.4	-24.2	3.13	44.47	54	-9.53	-	-	190	386	H
4	* 2493.197	34.51	RMS	32.4	-24.2	3.13	45.84	54	-8.16	-	-	190	386	H

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

### VERTICAL RESULT



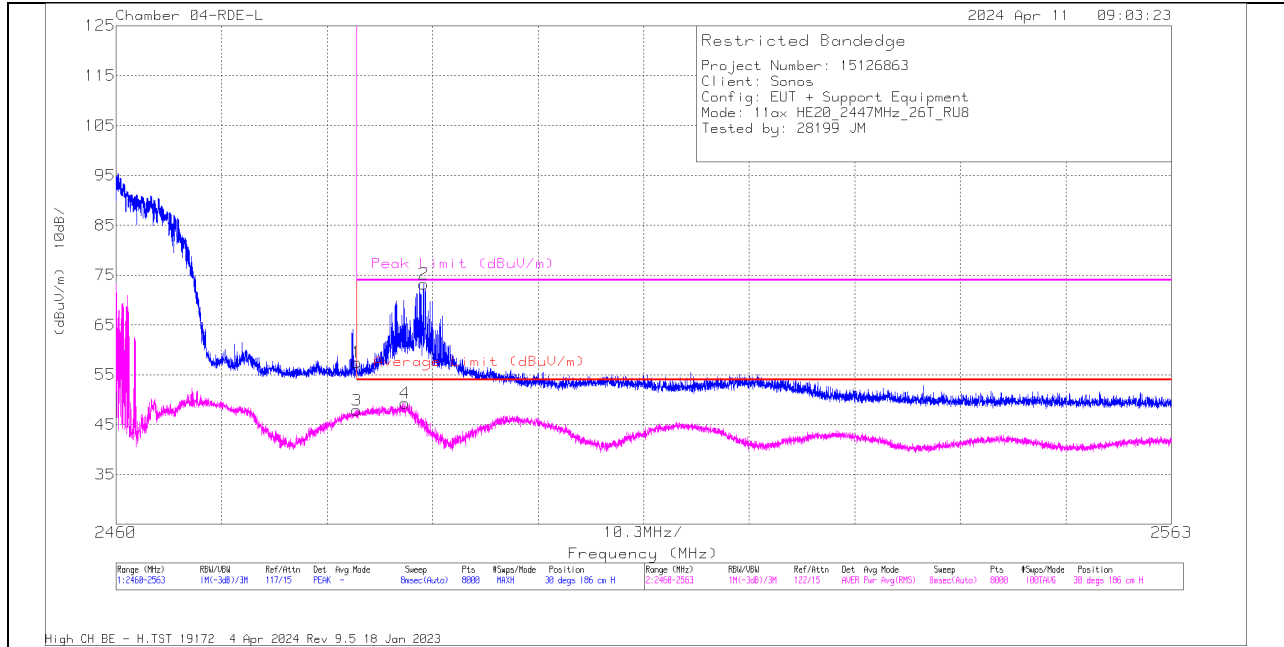
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	53.14	Pk	32.4	-24.2	0	61.34	-	-	74	-12.66	296	344	V
2	* 2485.741	63.56	Pk	32.4	-24.2	0	71.76	-	-	74	-2.24	296	344	V
3	* 2483.5	33.02	RMS	32.4	-24.2	3.13	44.35	54	-9.65	-	-	296	344	V
4	* 2485.664	35.22	RMS	32.4	-24.2	3.13	46.55	54	-7.45	-	-	296	344	V

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

### BANDEDGE (HIGH CHANNEL 8)

### HORIZONTAL RESULT

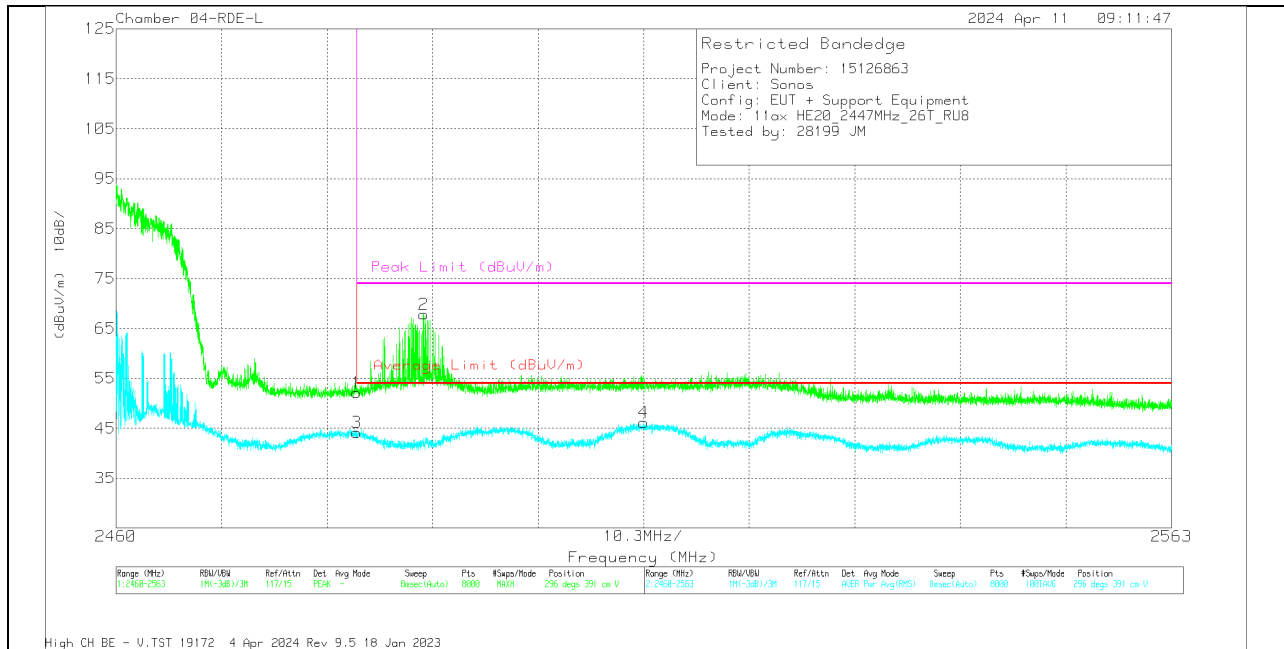


### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	49.29	Pk	32.4	-24.2	0	57.49	-	-	74	-16.51	30	186	H
2	* 2490.042	65.01	Pk	32.4	-24.2	0	73.21	-	-	74	-7.9	30	186	H
3	* 2483.5	36.56	RMS	32.4	-24.2	3.13	47.89	54	-6.11	-	-	30	186	H
4	* 2488.188	37.99	RMS	32.4	-24.2	3.13	49.32	54	-4.68	-	-	30	186	H

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

### VERTICAL RESULT



### TRACE MARKER

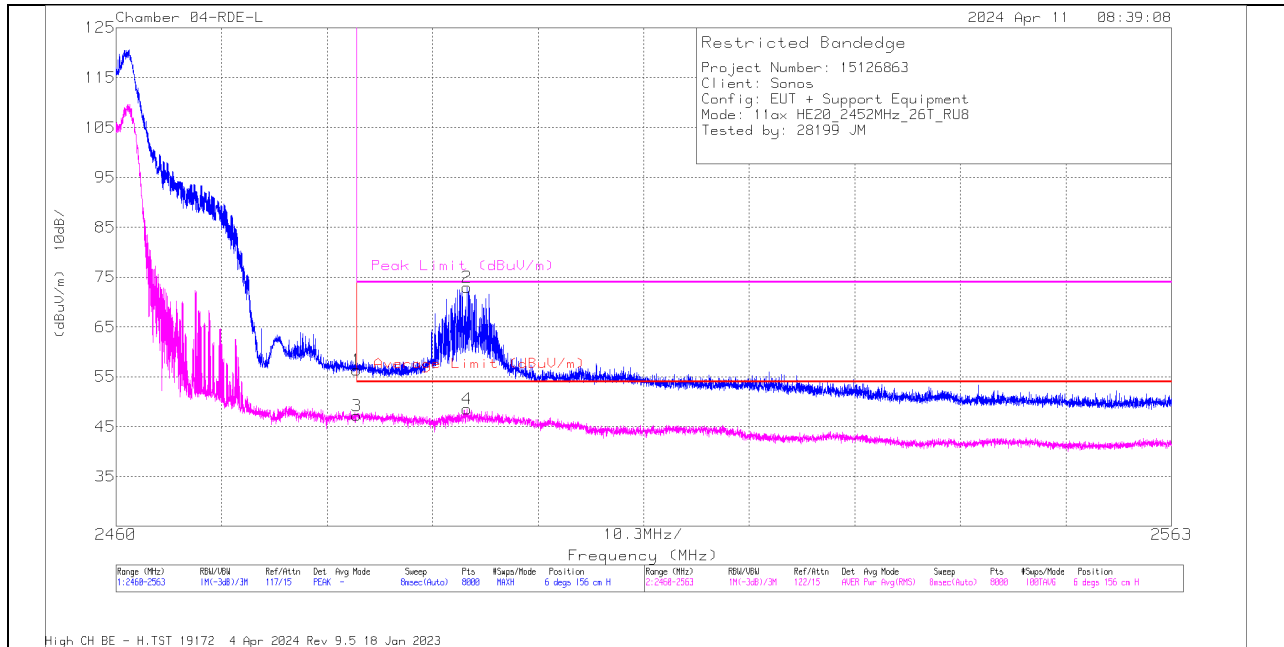
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.94	Pk	32.4	-24.2	0	52.14	-	-	74	-21.86	296	391	V
2	* 2490.016	59.65	Pk	32.4	-24.2	0	67.85	-	-	74	-6.15	296	391	V
3	* 2483.5	32.87	RMS	32.4	-24.2	3.13	44.2	54	-9.8	-	-	296	391	V
4	2511.495	34.79	RMS	32.4	-24.1	3.13	46.22	54	-7.78	-	-	296	391	V

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



**BANDEDGE (HIGH CHANNEL 9)**

**HORIZONTAL RESULT**

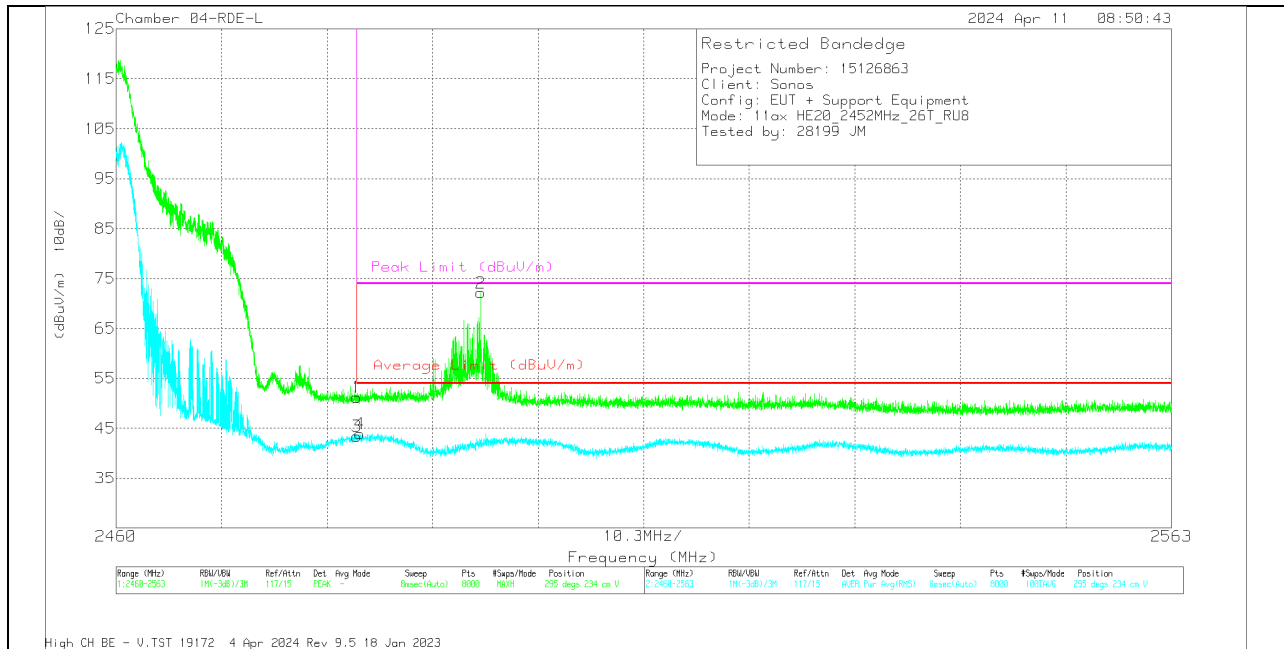


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	48.13	Pk	32.4	-24.2	0	56.33	-	-	74	-17.67	6	156	H
2	* 2494.266	64.7	Pk	32.5	-24.2	0	73	-	-	74	-1	6	156	H
3	* 2483.5	35.91	RMS	32.4	-24.2	3.13	47.24	54	-6.76	-	-	6	156	H
4	* 2494.279	37.16	RMS	32.5	-24.2	3.13	48.59	54	-5.41	-	-	6	156	H

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

### VERTICAL RESULT



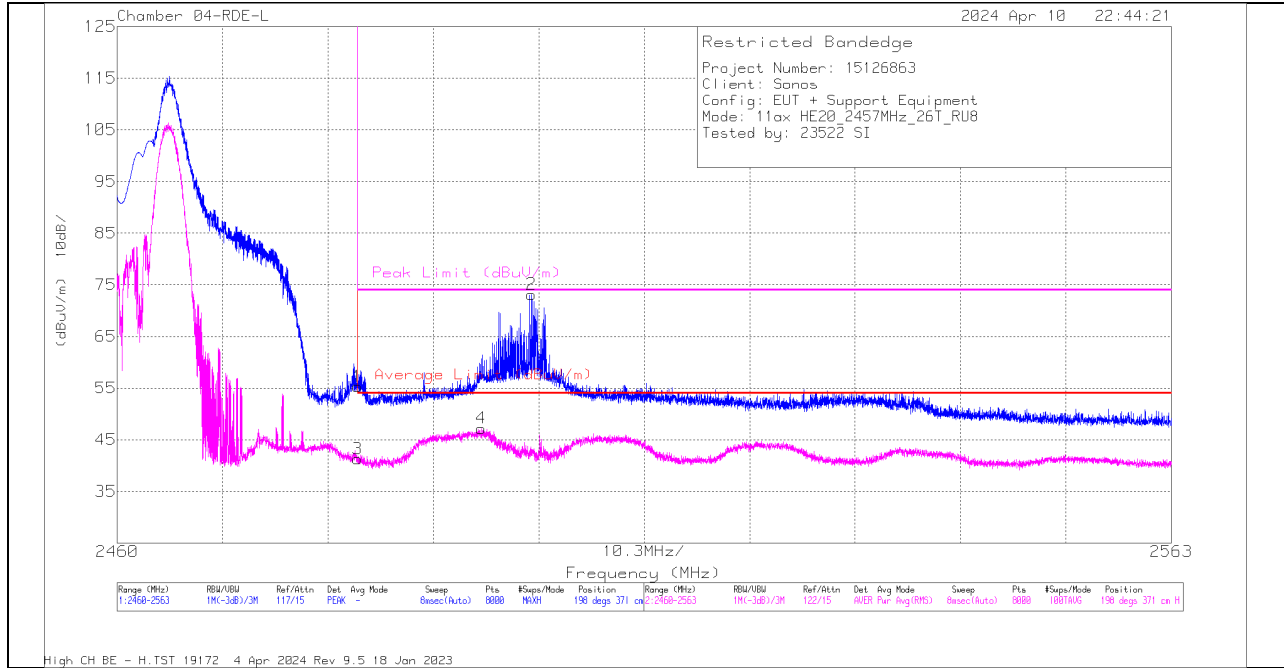
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	42.99	Pk	32.4	-24.2	0	51.19	-	-	74	-22.81	295	234	V
2	* 2495.618	63.84	Pk	32.5	-24.2	0	72.14	-	-	74	-1.86	295	234	V
3	* 2483.5	32.1	RMS	32.4	-24.2	3.13	43.43	54	-10.57	-	-	295	234	V
4	* 2483.81	32.63	RMS	32.4	-24.2	3.13	43.96	54	-10.04	-	-	295	234	V

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

**BANDEDGE (HIGH CHANNEL 10)**

**HORIZONTAL RESULT**

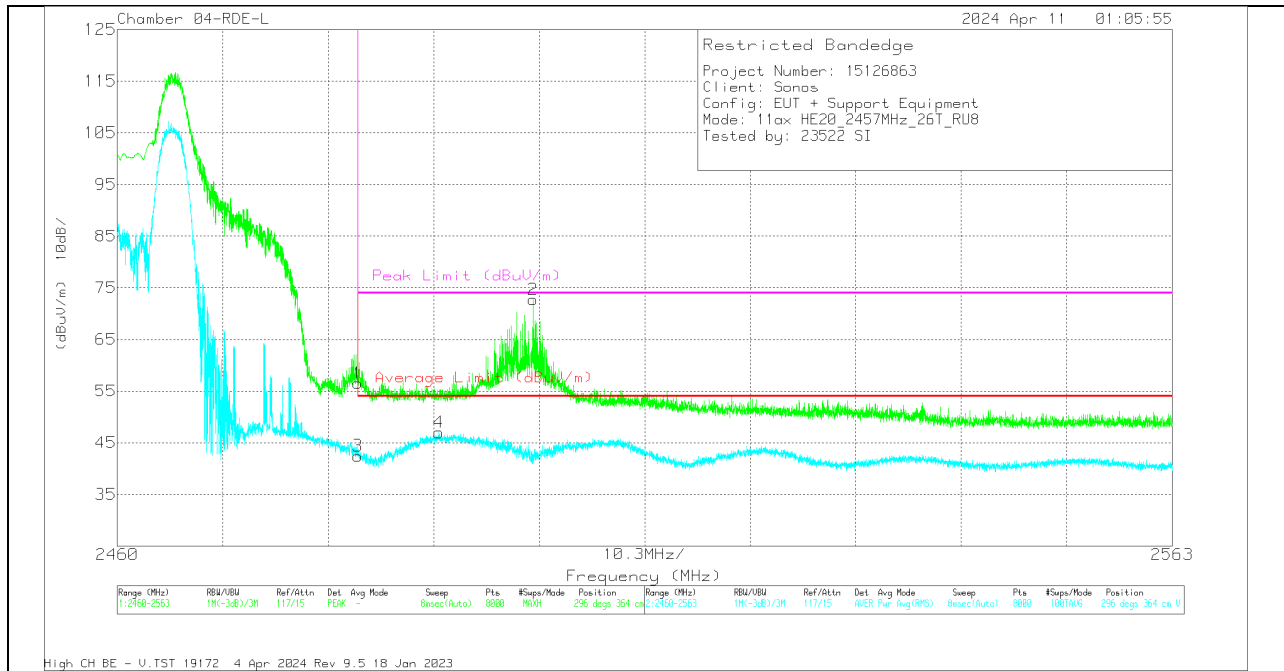


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	47.1	Pk	32.4	-24.2	0	55.3	-	-	74	-18.7	198	371	H
2	2500.485	64.83	Pk	32.5	-24.2	0	73.13	-	-	74	-87	198	371	H
3	* 2483.5	29.97	RMS	32.4	-24.2	3.13	41.3	54	-12.7	-	-	198	371	H
4	* 2495.553	35.78	RMS	32.5	-24.2	3.13	47.21	54	-6.79	-	-	198	371	H

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

### VERTICAL RESULT



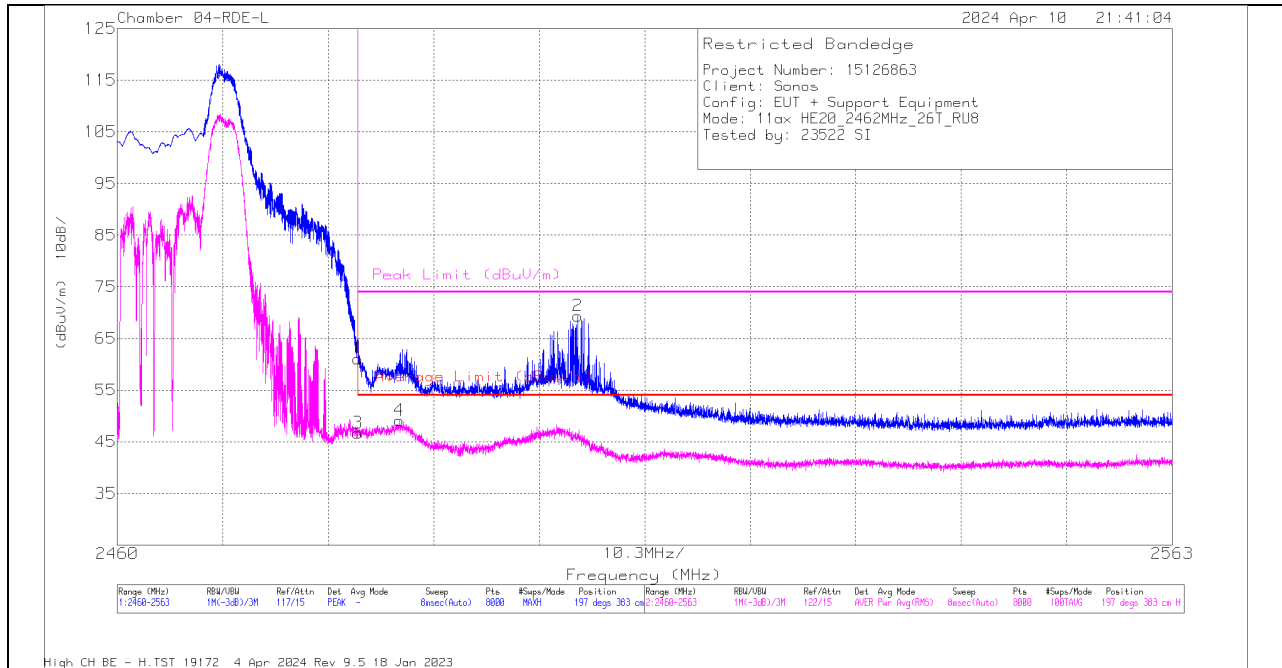
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	48.33	Pk	32.4	-24.2	0	56.53	-	-	74	-17.47	296	364	V
2	2500.614	64.43	Pk	32.5	-24.2	0	72.73	-	-	74	-1.27	296	364	V
3	* 2483.5	31.09	RMS	32.4	-24.2	3.13	42.42	54	-11.58	-	-	296	364	V
4	* 2491.42	35.65	RMS	32.4	-24.2	3.13	46.98	54	-7.02	-	-	296	364	V

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

### BANDEDGE (HIGH CHANNEL 11)

### HORIZONTAL RESULT

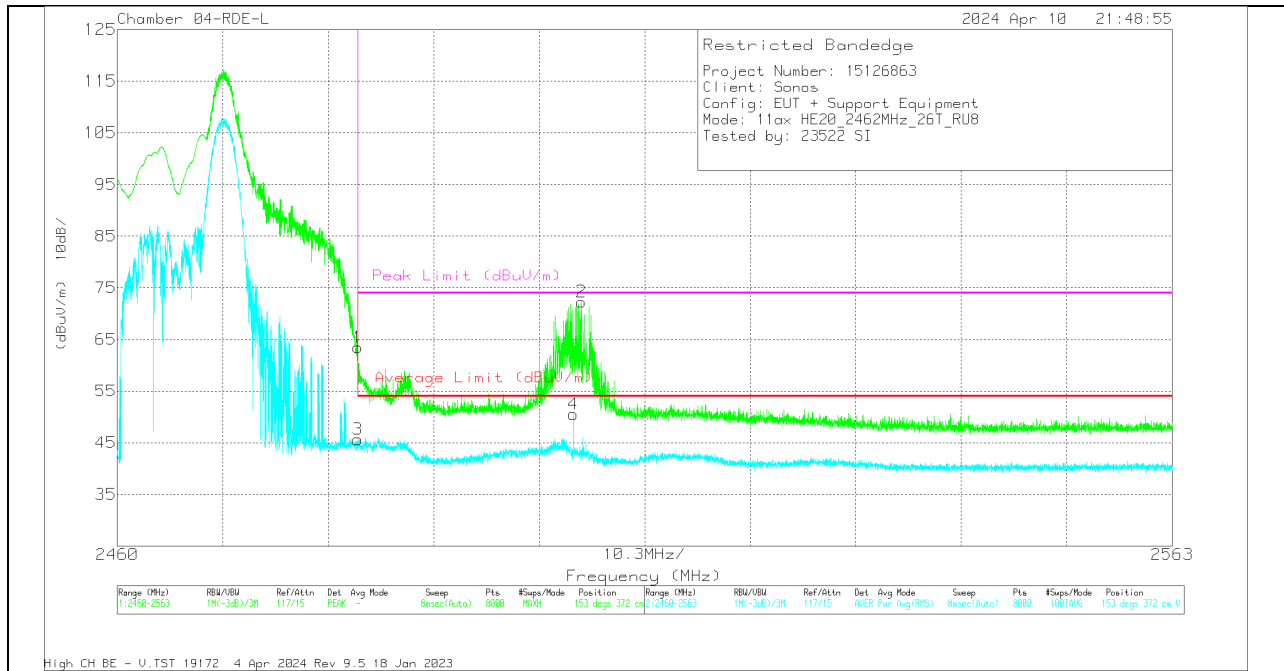


### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	52.86	Pk	32.4	-24.2	0	61.06	-	-	74	-12.94	197	383	H
2	2504.954	61.18	Pk	32.4	-24.2	0	69.38	-	-	74	-4.62	197	383	H
3	* 2483.5	35.37	RMS	32.4	-24.2	3.13	46.7	54	-7.3	-	-	197	383	H
4	* 2487.518	37.82	RMS	32.4	-24.2	3.13	49.15	54	-4.85	-	-	197	383	H

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

### VERTICAL RESULT



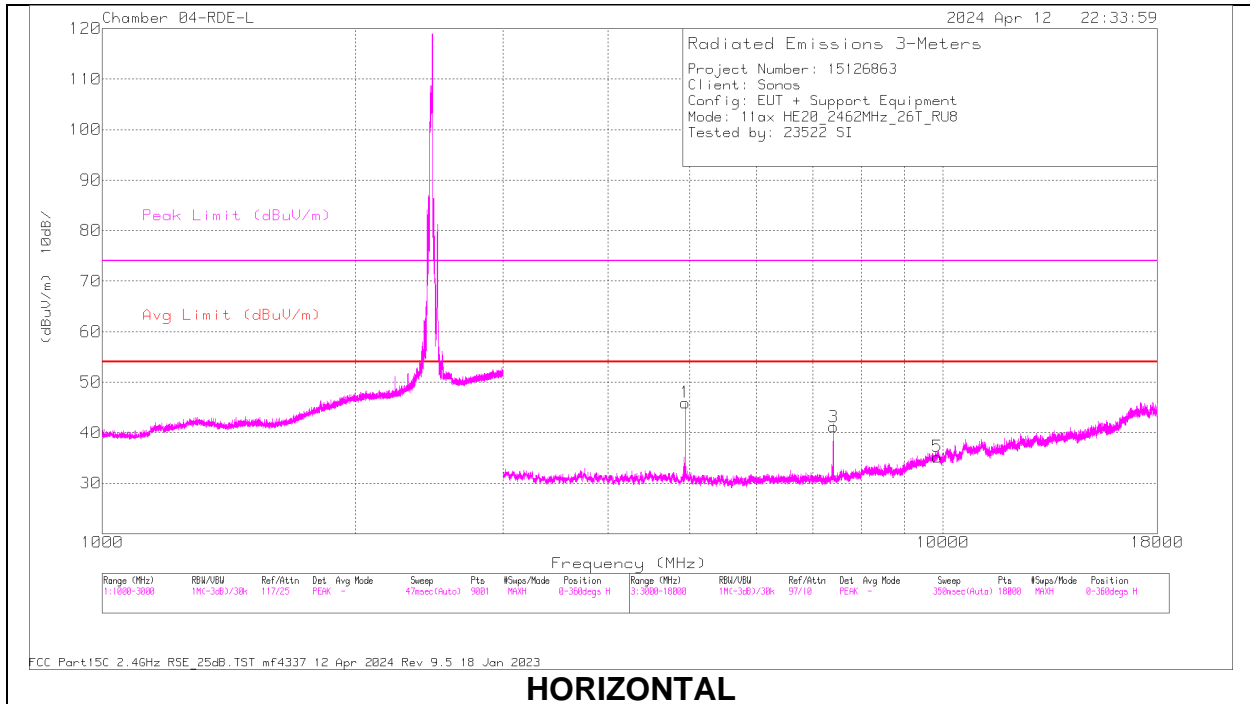
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	55.27	Pk	32.4	-24.2	0	63.47	-	-	74	-10.53	153	372	V
2	2505.34	63.97	Pk	32.4	-24.1	0	72.27	-	-	74	-1.73	153	372	V
3	* 2483.5	34.31	RMS	32.4	-24.2	3.13	45.64	54	-8.36	-	-	153	372	V
4	2504.542	39.2	RMS	32.4	-24.2	3.13	50.53	54	-3.47	-	-	153	372	V

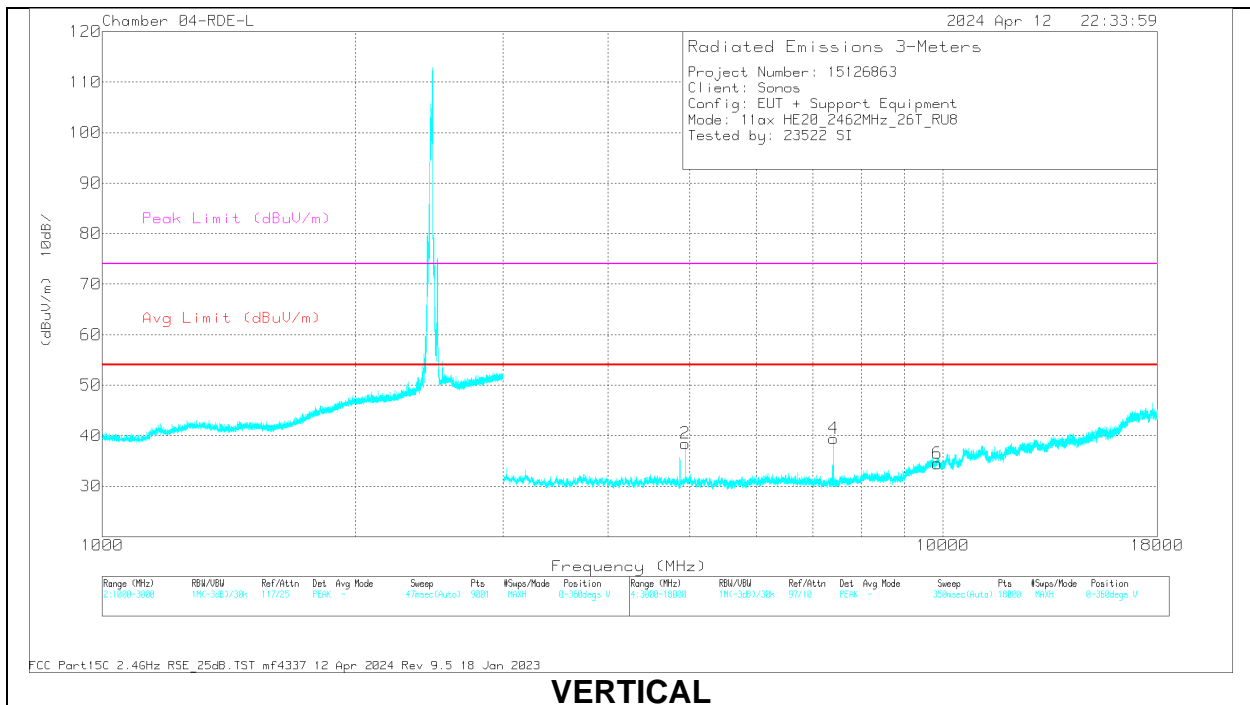
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## HIGH CHANNEL 11 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cb/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
1	* 4941.261	70.02	PK2	34.2	-47.8	0	56.42	-	-	74	-17.58	191	107	H
	* 4941.35	59.35	MAv1	34.2	-47.8	3.13	48.88	54	-5.12	-	-	191	107	H
3	* 7412.421	63.77	PK2	35.6	-43	0	56.37	-	-	74	-17.63	252	104	H
	* 7412.307	50.02	MAv1	35.6	-43	3.13	45.75	54	-8.25	-	-	252	104	H
5	9849.695	48.21	PK2	37.1	-37.5	0	47.81	-	-	-	-	231	345	H
2	* 4941.465	62.14	PK2	34.2	-47.8	0	48.54	-	-	74	-25.46	309	248	V
	* 4941.246	51.48	MAv1	34.2	-47.8	3.13	41.01	54	-12.99	-	-	309	248	V
4	* 7412.097	60.08	PK2	35.6	-43	0	52.68	-	-	74	-21.32	288	104	V
	* 7411.606	45.66	MAv1	35.6	-43.1	3.13	41.29	54	-12.71	-	-	288	104	V
6	9845.428	48.58	PK2	37.1	-37.6	0	48.08	-	-	-	-	153	338	V

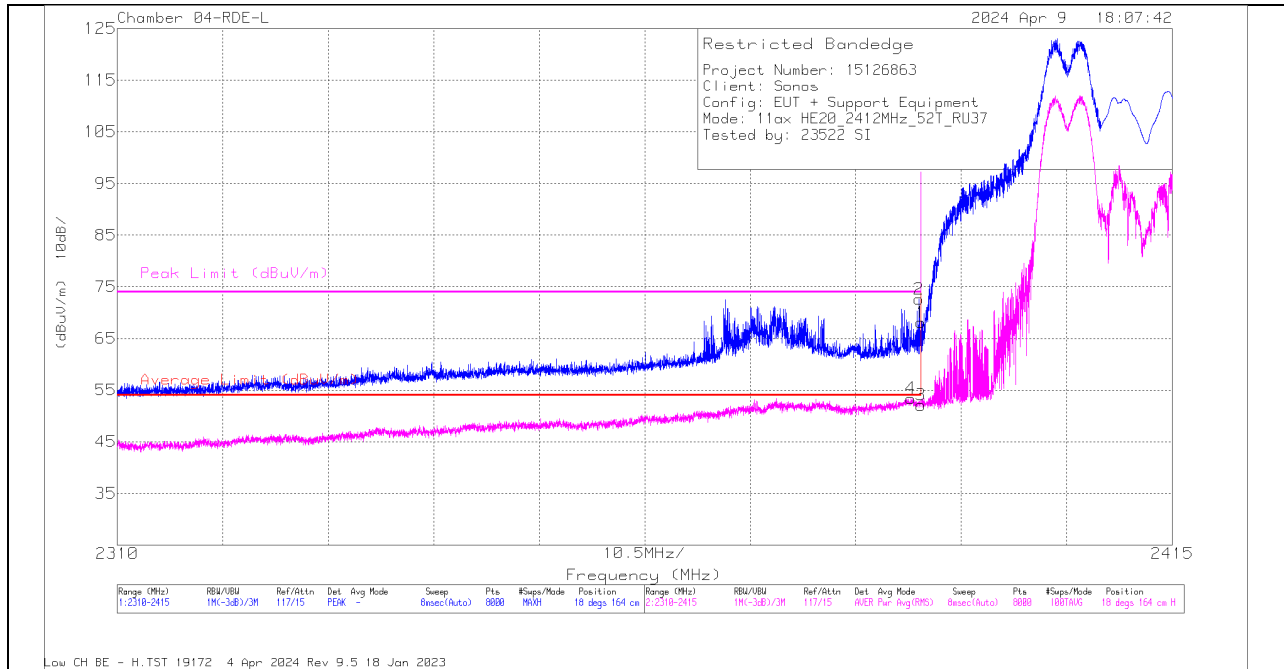
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average



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

**BANDEDGE (LOW CHANNEL 1)**

**HORIZONTAL RESULT**

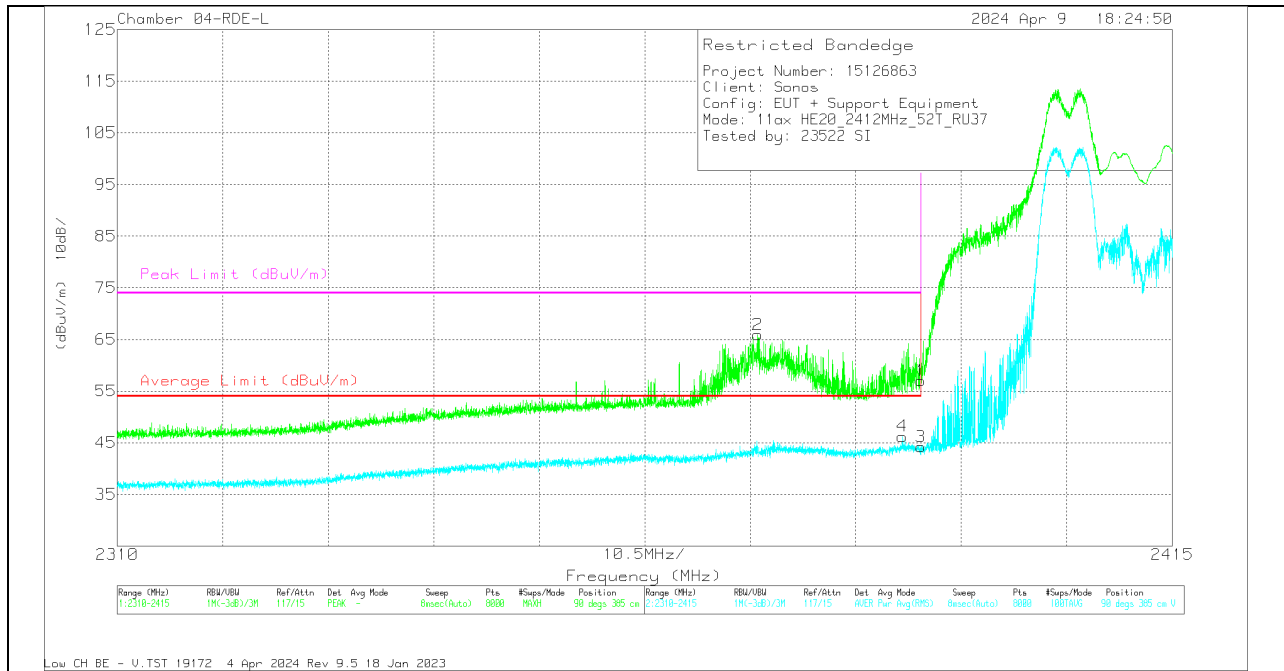


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	60.31	Pk	32.1	-24.3	0	68.11	-	-	74	-5.89	18	164	H
2	* 2389.799	64.78	Pk	32.1	-24.3	0	72.58	-	-	74	-1.42	18	164	H
3	* 2390	42.96	RMS	32.1	-24.3	1.34	52.1	54	-1.9	-	-	18	164	H
4	* 2388.985	44.25	RMS	32.1	-24.3	1.34	53.39	54	-61	-	-	18	164	H

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

### VERTICAL RESULT



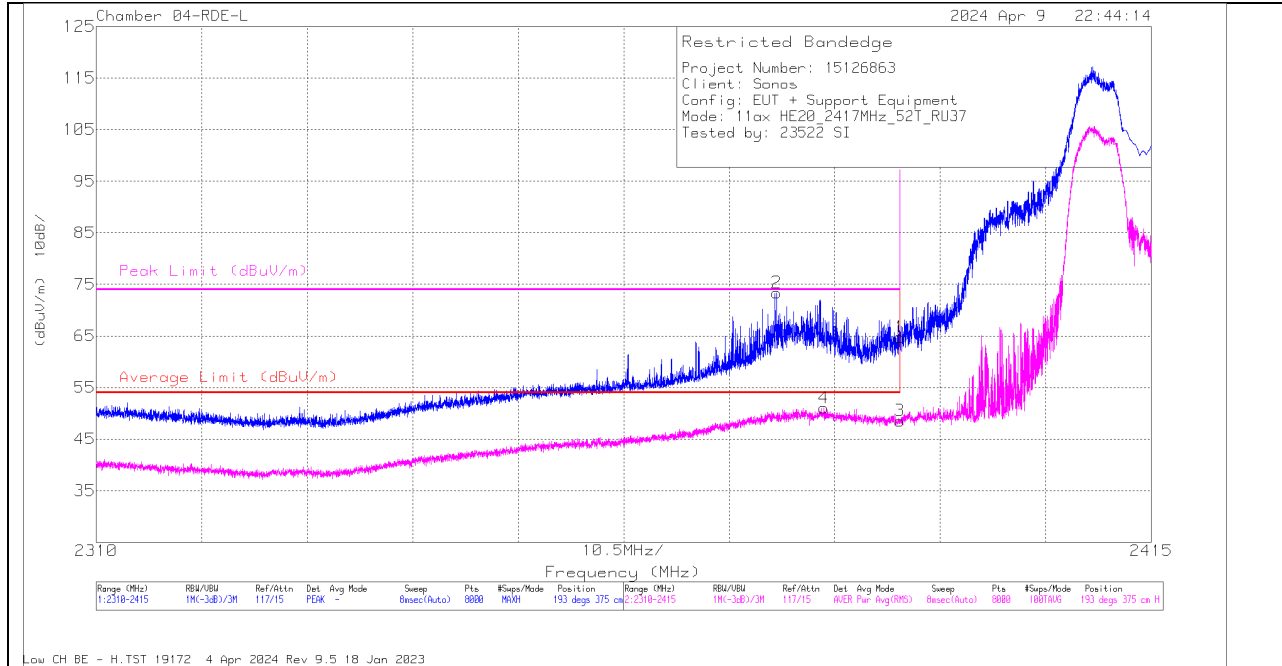
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	49.19	Pk	32.1	-24.3	0	56.99	-	-	74	-17.01	90	385	V
2	* 2373.745	58.28	Pk	32	-24.4	0	65.88	-	-	74	-8.12	90	385	V
3	* 2390	35.08	RMS	32.1	-24.3	1.34	44.22	54	-9.78	-	-	90	385	V
4	* 2388.132	37.09	RMS	32.1	-24.3	1.34	46.23	54	-7.77	-	-	90	385	V

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

**BANDEDGE (LOW CHANNEL 2)**

**HORIZONTAL RESULT**

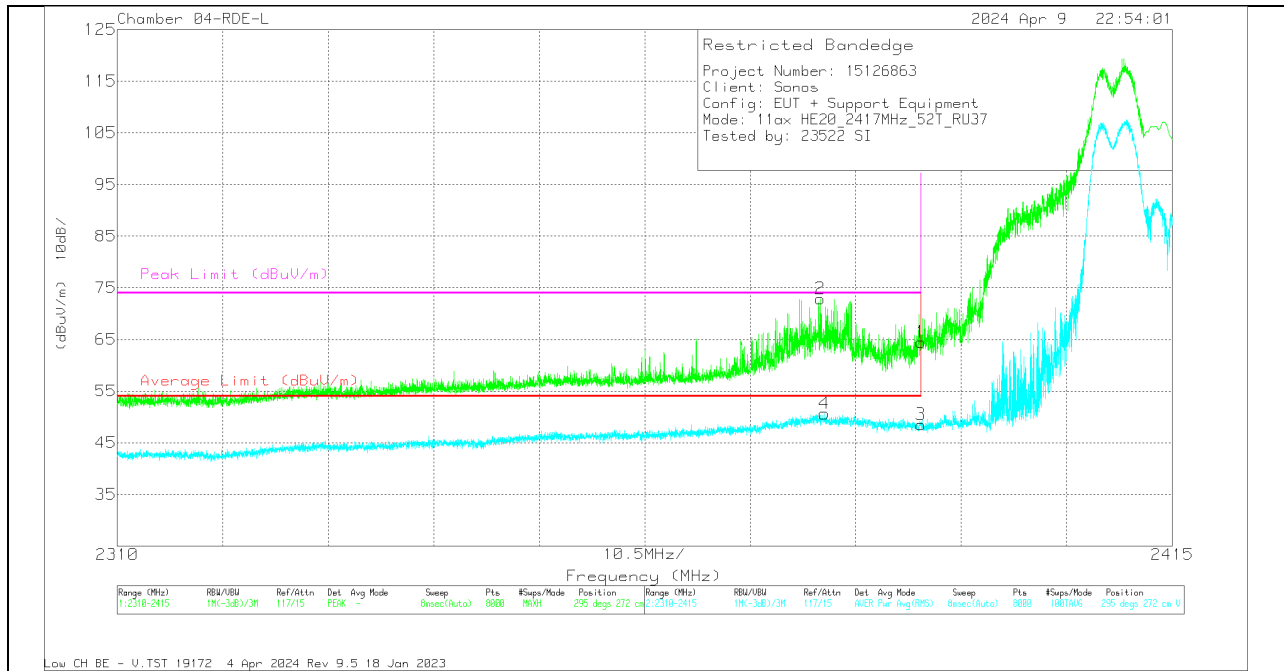


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	56.98	Pk	32.1	-24.3	0	64.78	-	-	74	-9.22	193	375	H
2	* 2377.722	65.76	Pk	32	-24.4	0	73.36	-	-	74	-64	193	375	H
3	* 2390	39.41	RMS	32.1	-24.3	1.34	48.55	54	-5.45	-	-	193	375	H
4	* 2382.395	42.01	RMS	32	-24.3	1.34	51.05	54	-2.95	-	-	193	375	H

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

### VERTICAL RESULT



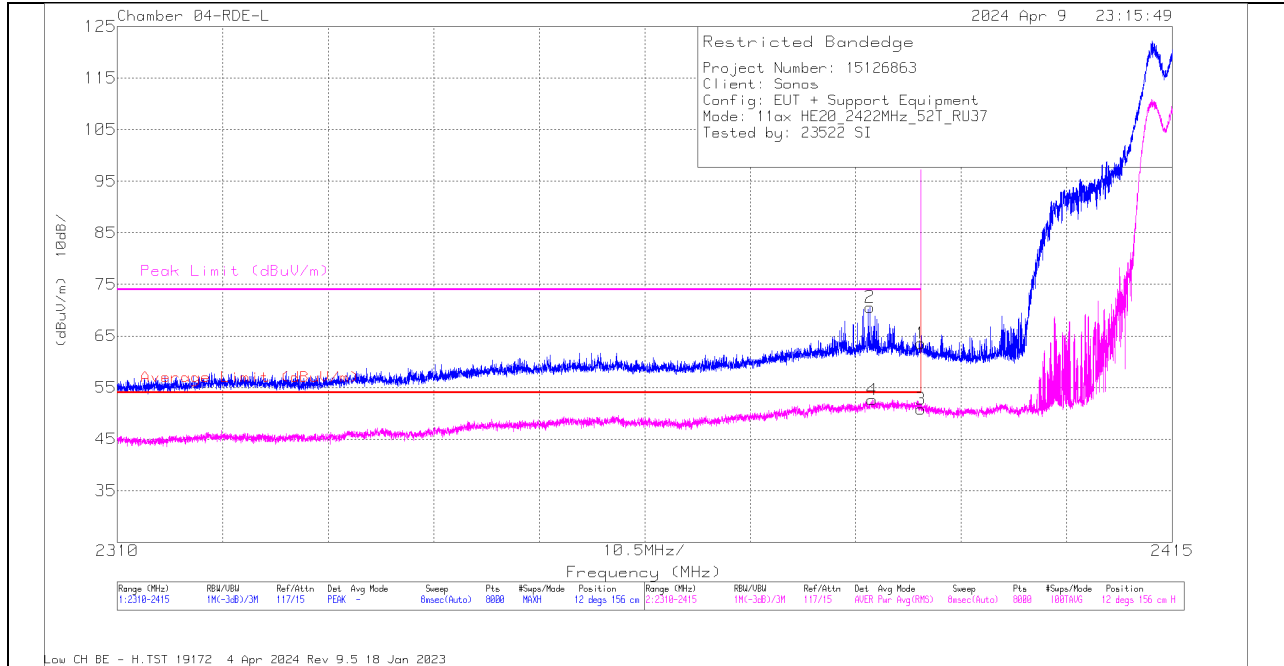
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	56.68	Pk	32.1	-24.3	0	64.48	-	-	74	-9.52	295	272	V
2	* 2379.98	65.19	Pk	32	-24.3	0	72.89	-	-	74	-1.11	295	272	V
3	* 2390	39.38	RMS	32.1	-24.3	1.34	48.52	54	-5.48	-	-	295	272	V
4	* 2380.374	41.61	RMS	32	-24.3	1.34	50.65	54	-3.35	-	-	295	272	V

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

**BANDEDGE (LOW CHANNEL 3)**

**HORIZONTAL RESULT**

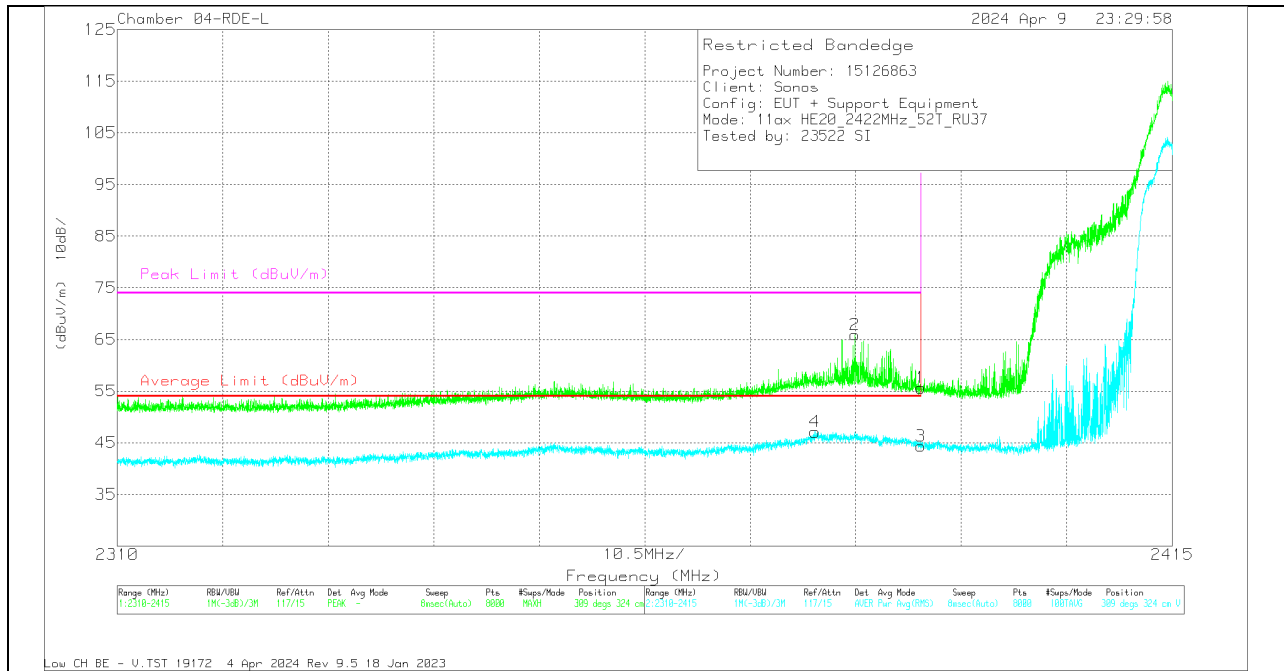


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	55.76	PK	32.1	-24.3	0	63.56	-	-	74	-10.44	12	156	H
2	* 2384.903	62.88	PK	32	-24.3	0	70.58	-	-	74	-3.42	12	156	H
3	* 2390	41.67	RMS	32.1	-24.3	1.34	50.81	54	-3.19	-	-	12	156	H
4	* 2385.139	43.58	RMS	32	-24.3	1.34	52.62	54	-1.38	-	-	12	156	H

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

### VERTICAL RESULT



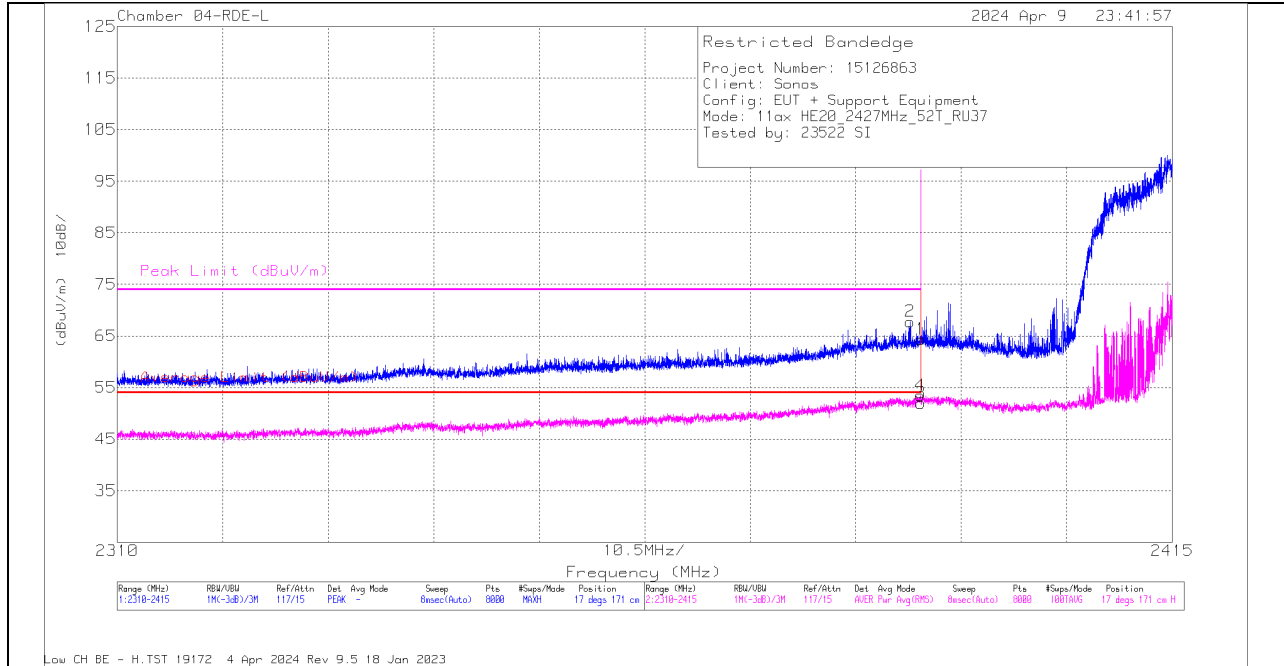
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	47.85	Pk	32.1	-24.3	0	55.65	-	-	74	-18.35	309	324	V
2	* 2383.432	58.2	Pk	32	-24.3	0	65.9	-	-	74	-8.1	309	324	V
3	* 2390	35.2	RMS	32.1	-24.3	1.34	44.34	54	-9.66	-	-	309	324	V
4	* 2379.442	38.08	RMS	32	-24.3	1.34	47.12	54	-6.88	-	-	309	324	V

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

**BANDEDGE (LOW CHANNEL 4)**

**HORIZONTAL RESULT**

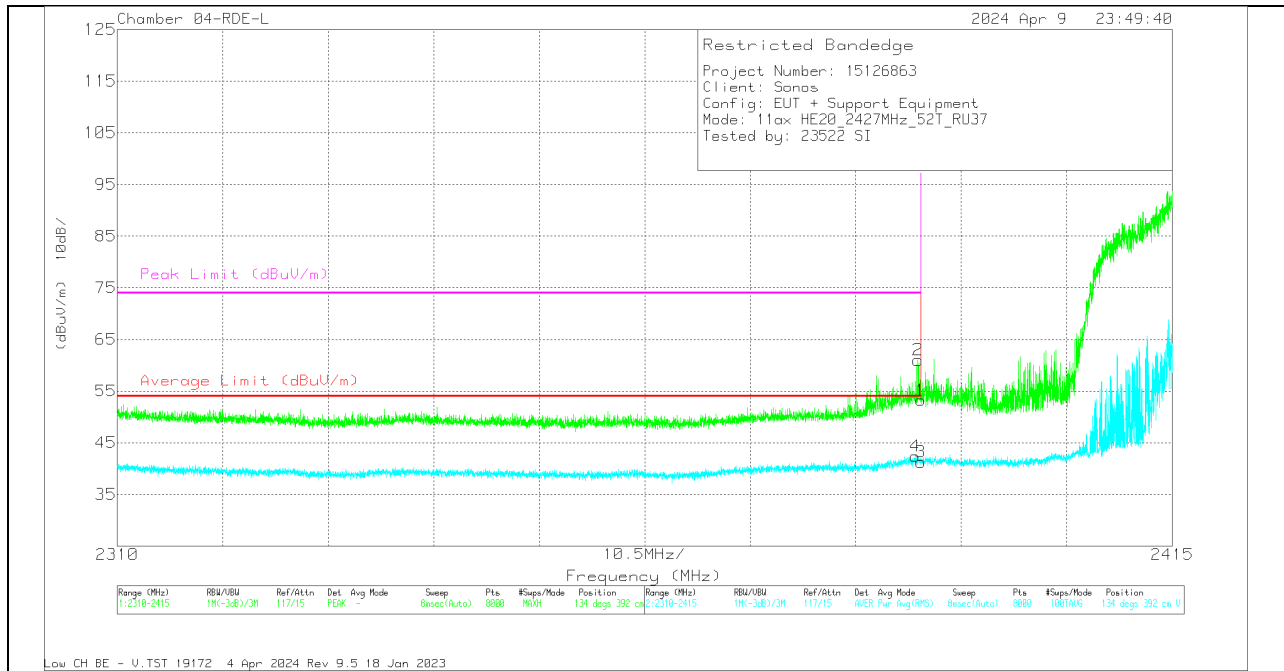


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	56.56	Pk	32.1	-24.3	0	64.36	-	-	74	-9.64	17	171	H
2	* 2388.906	59.99	Pk	32.1	-24.3	0	67.79	-	-	74	-6.21	17	171	H
3	* 2390	42.85	RMS	32.1	-24.3	1.34	51.99	54	-2.01	-	-	17	171	H
4	* 2389.93	44.34	RMS	32.1	-24.3	1.34	53.48	54	-52	-	-	17	171	H

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

### VERTICAL RESULT



### TRACE MARKER

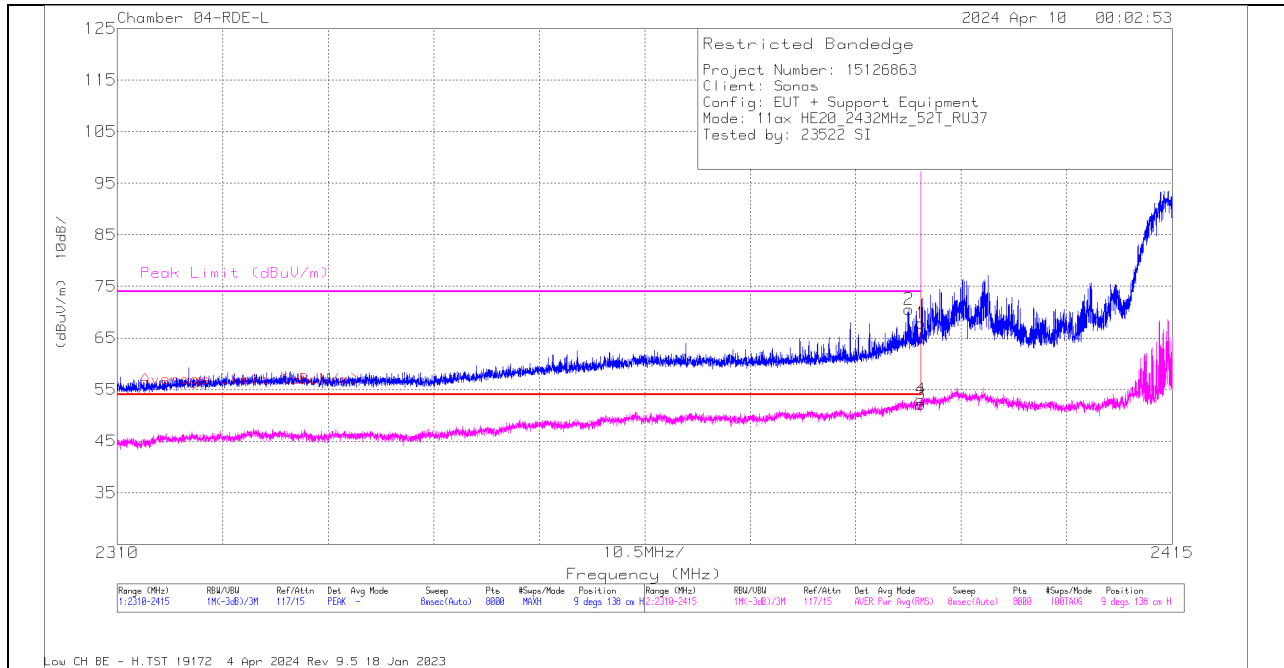
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	45.42	Pk	32.1	-24.3	0	53.22	-	-	74	-20.78	134	392	V
2	* 2389.694	53.2	Pk	32.1	-24.3	0	61	-	-	74	-13	134	392	V
3	* 2390	32.11	RMS	32.1	-24.3	1.34	41.25	54	-12.75	-	-	134	392	V
4	* 2389.392	33.25	RMS	32.1	-24.3	1.34	42.39	54	-11.61	-	-	134	392	V

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



**BANDEDGE (LOW CHANNEL 5)**

**HORIZONTAL RESULT**

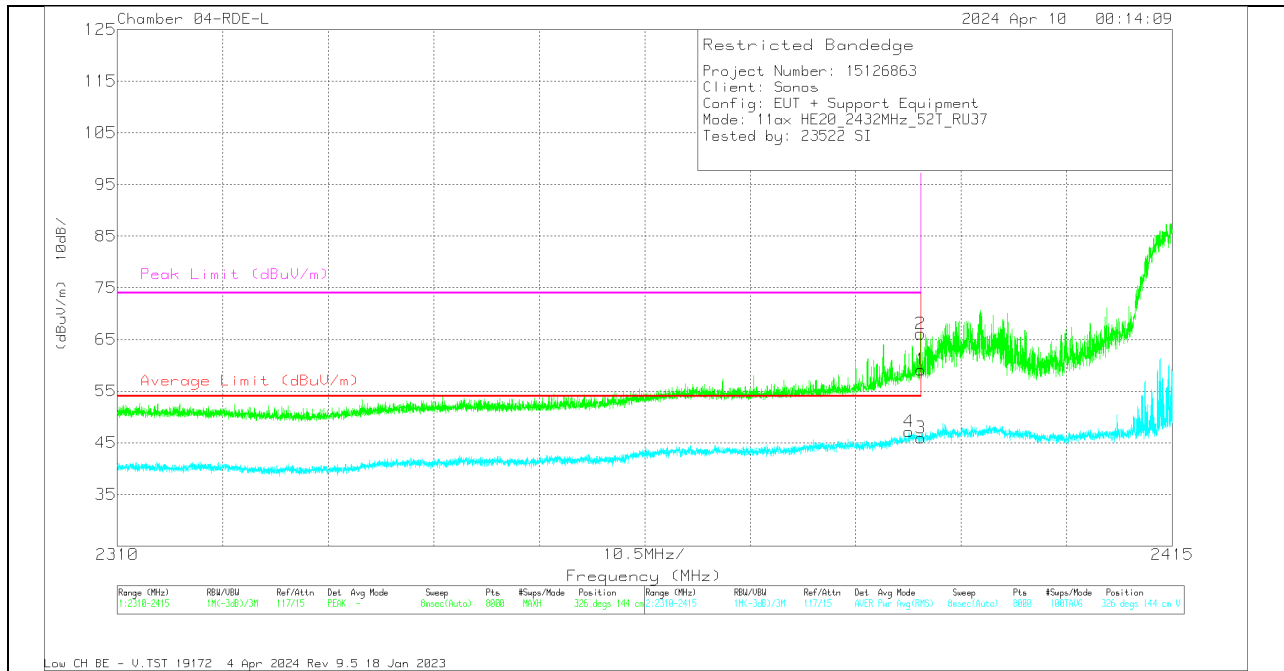


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	60.06	Pk	32.1	-24.3	0	67.86	-	-	74	-6.14	9	138	H
2	* 2388.775	62.75	Pk	32.1	-24.3	0	70.55	-	-	74	-3.45	9	138	H
3	* 2390	43.09	RMS	32.1	-24.3	1.34	52.23	54	-1.77	-	-	9	138	H
4	* 2389.957	43.9	RMS	32.1	-24.3	1.34	53.04	54	-0.96	-	-	9	138	H

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

### VERTICAL RESULT



### TRACE MARKER

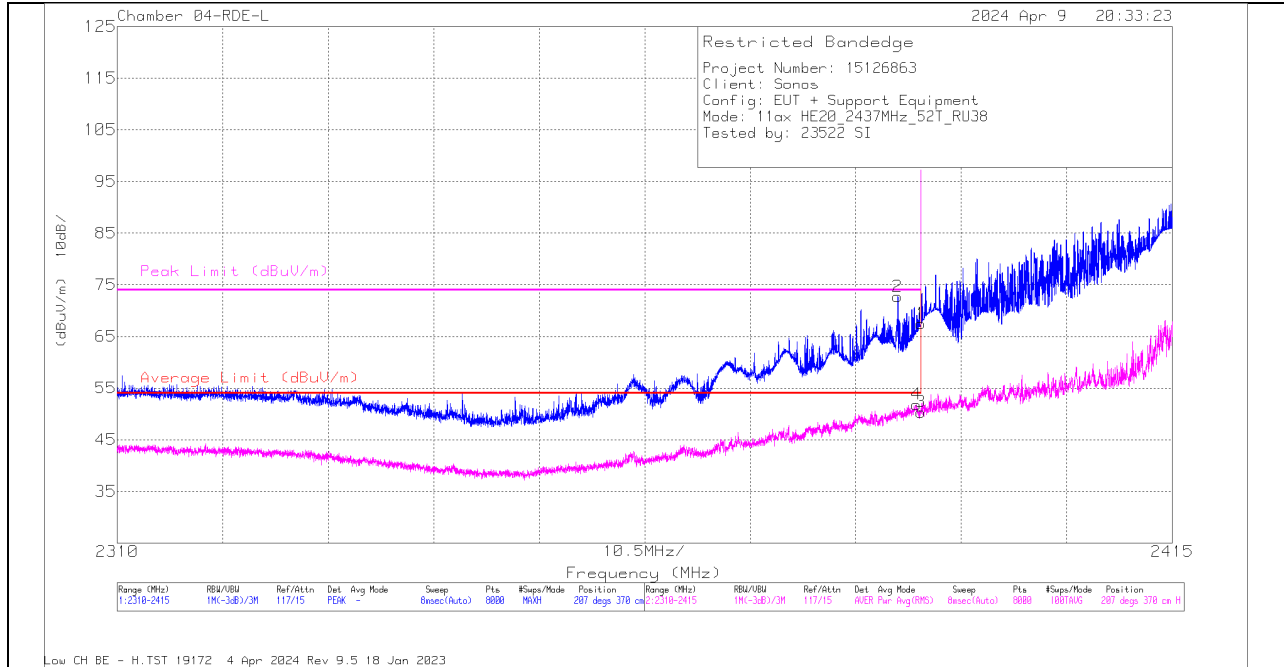
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	51.34	Pk	32.1	-24.3	0	59.14	-	-	74	-14.86	326	144	V
2	* 2389.943	58.32	Pk	32.1	-24.3	0	66.12	-	-	74	-7.88	326	144	V
3	* 2390	36.8	RMS	32.1	-24.3	1.34	45.94	54	-8.06	-	-	326	144	V
4	* 2388.775	38.04	RMS	32.1	-24.3	1.34	47.18	54	-6.82	-	-	326	144	V

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

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

**BANDEDGE (MID CHANNEL 6)**

**HORIZONTAL RESULT**

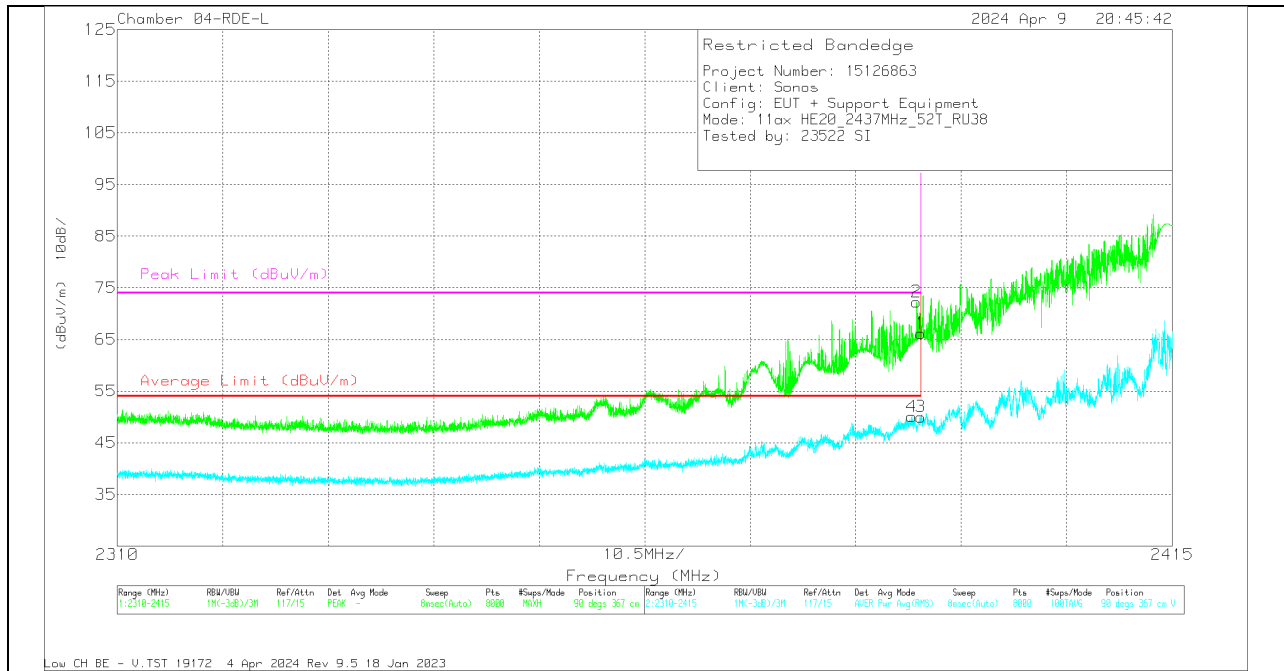


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	59.67	Pk	32.1	-24.3	0	67.47	-	-	74	-6.53	207	370	H
2	* 2387.686	64.91	Pk	32.1	-24.3	0	72.71	-	-	74	-1.29	207	370	H
3	* 2390	41.24	RMS	32.1	-24.3	1.34	50.38	54	-3.62	-	-	207	370	H
4	* 2389.523	42.69	RMS	32.1	-24.3	1.34	51.83	54	-2.17	-	-	207	370	H

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

### VERTICAL RESULT



### TRACE MARKER

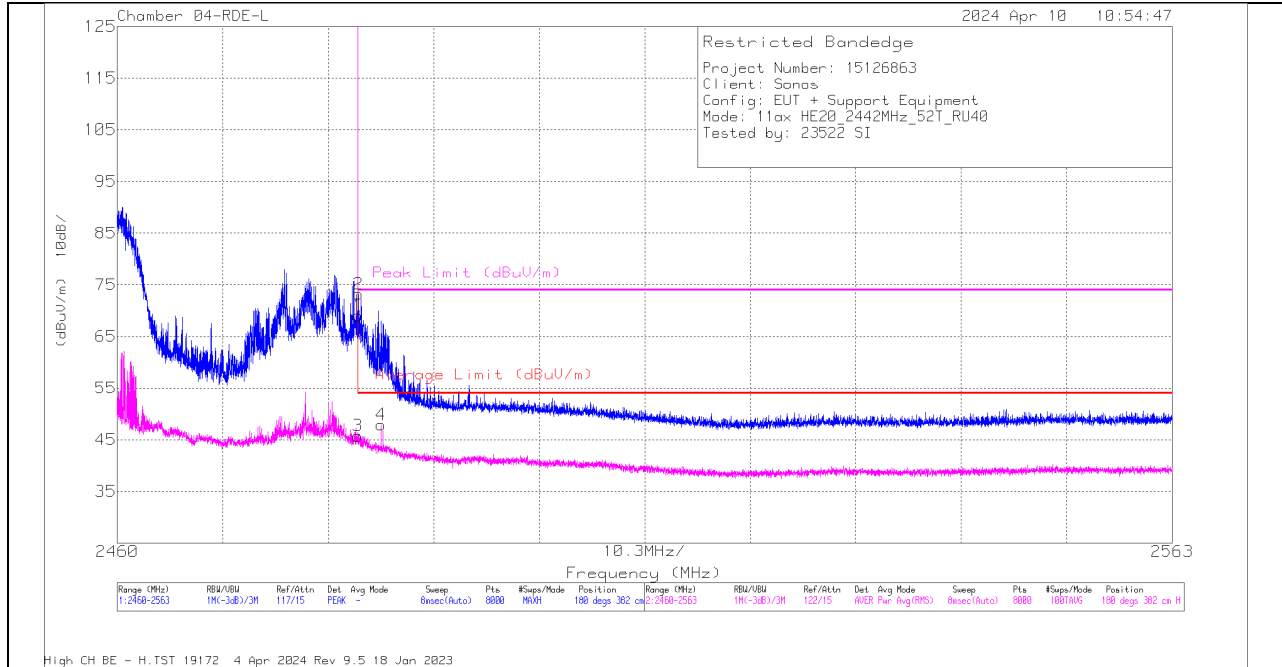
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	58.39	Pk	32.1	-24.3	0	66.19	-	-	74	-7.81	90	367	V
2	* 2389.563	64.48	Pk	32.1	-24.3	0	72.28	-	-	74	-1.72	90	367	V
3	* 2390	40.86	RMS	32.1	-24.3	1.34	50	54	-4	-	-	90	367	V
4	* 2389.077	40.91	RMS	32.1	-24.3	1.34	50.05	54	-3.95	-	-	90	367	V

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

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

**BANDEDGE (HIGH CHANNEL 7)**

**HORIZONTAL RESULT**

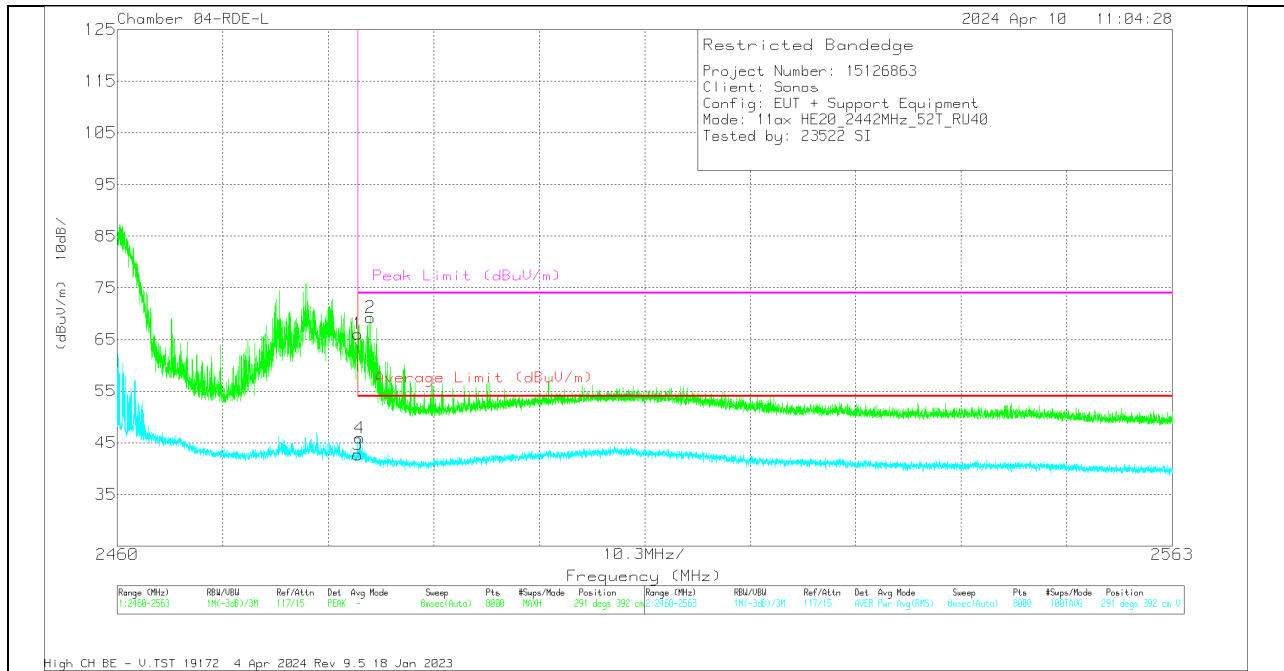


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cb1 (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	60.83	Pk	32.4	-24.2	0	69.03	-	-	74	-4.97	180	382	H
2	* 2483.552	65.02	Pk	32.4	-24.2	0	73.22	-	-	74	-7.8	180	382	H
3	* 2483.5	36.21	RMS	32.4	-24.2	1.34	45.75	54	-8.25	-	-	180	382	H
4	* 2485.767	38.37	RMS	32.4	-24.2	1.34	47.91	54	-6.09	-	-	180	382	H

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

### VERTICAL RESULT



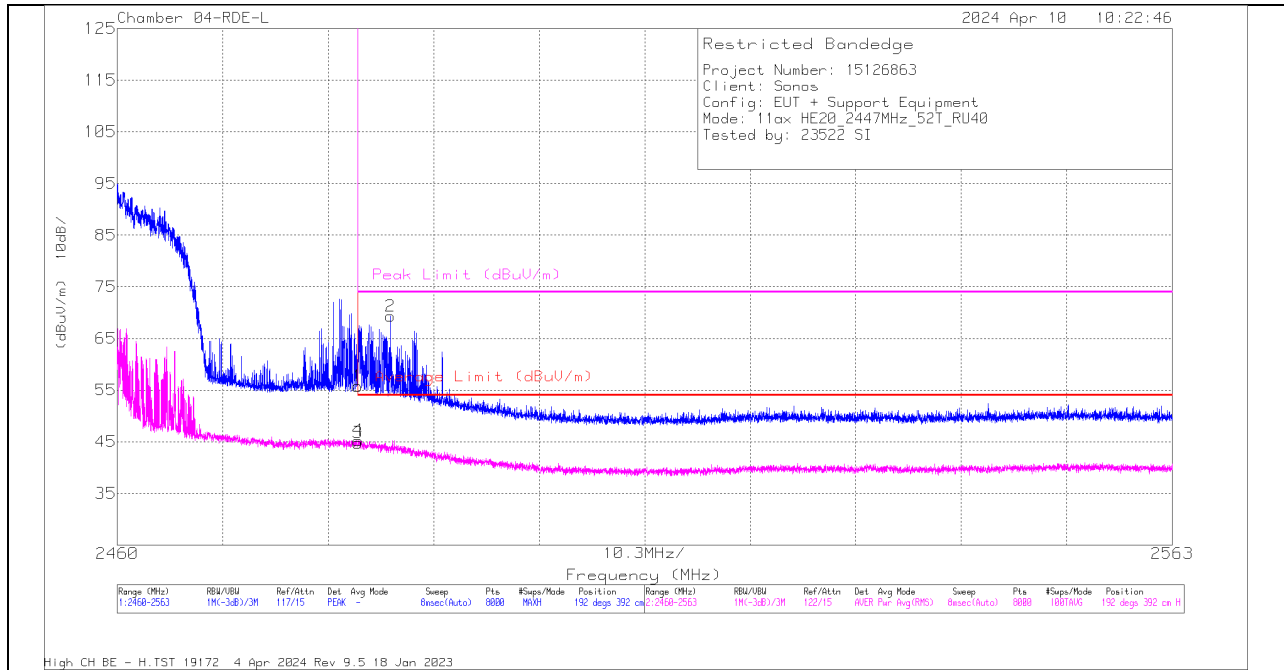
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	57.88	Pk	32.4	-24.2	0	66.08	-	-	74	-7.92	291	392	V
2	* 2484.711	61.02	Pk	32.4	-24.2	0	69.22	-	-	74	-4.78	291	392	V
3	* 2483.5	33.17	RMS	32.4	-24.2	1.34	42.71	54	-11.29	-	-	291	392	V
4	* 2483.681	36.38	RMS	32.4	-24.2	1.34	45.92	54	-8.08	-	-	291	392	V

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

### BANDEDGE (HIGH CHANNEL 8)

### HORIZONTAL RESULT

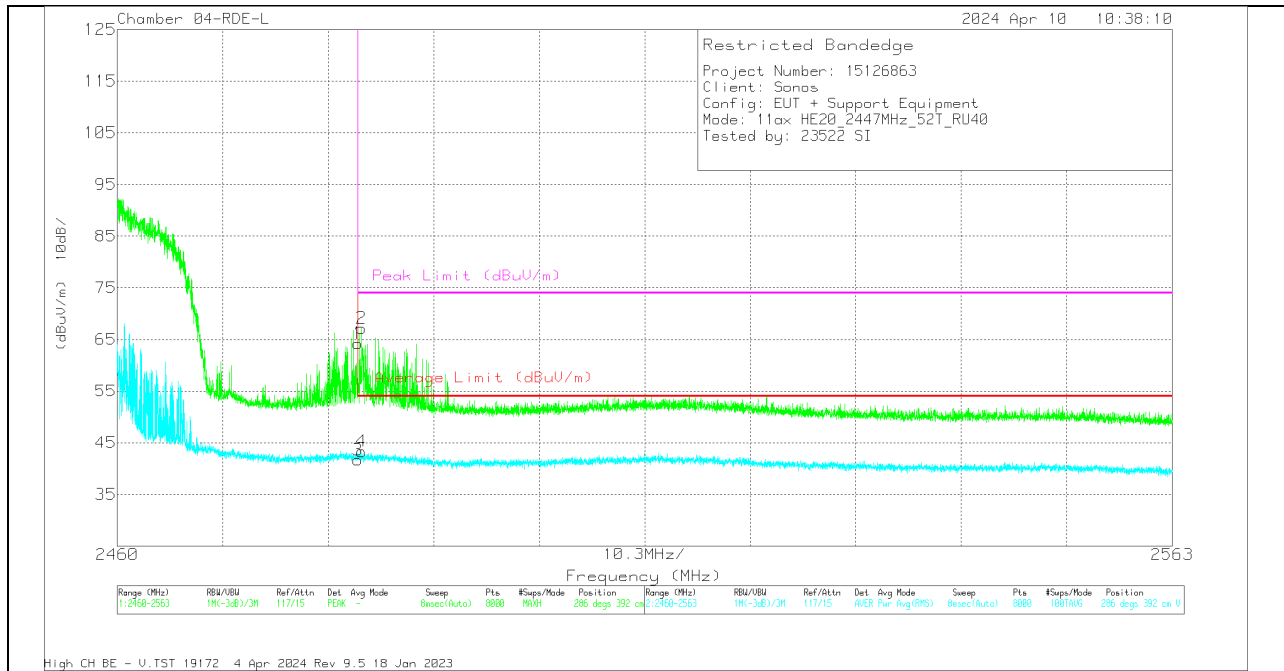


### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	47.54	Pk	32.4	-24.2	0	55.74	-	-	74	-18.26	192	392	H
2	* 2486.668	61.11	Pk	32.4	-24.2	0	69.31	-	-	74	-4.69	192	392	H
3	* 2483.5	35.26	RMS	32.4	-24.2	1.34	44.8	54	-9.2	-	-	192	392	H
4	* 2483.513	35.71	RMS	32.4	-24.2	1.34	45.25	54	-8.75	-	-	192	392	H

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

### VERTICAL RESULT



### TRACE MARKER

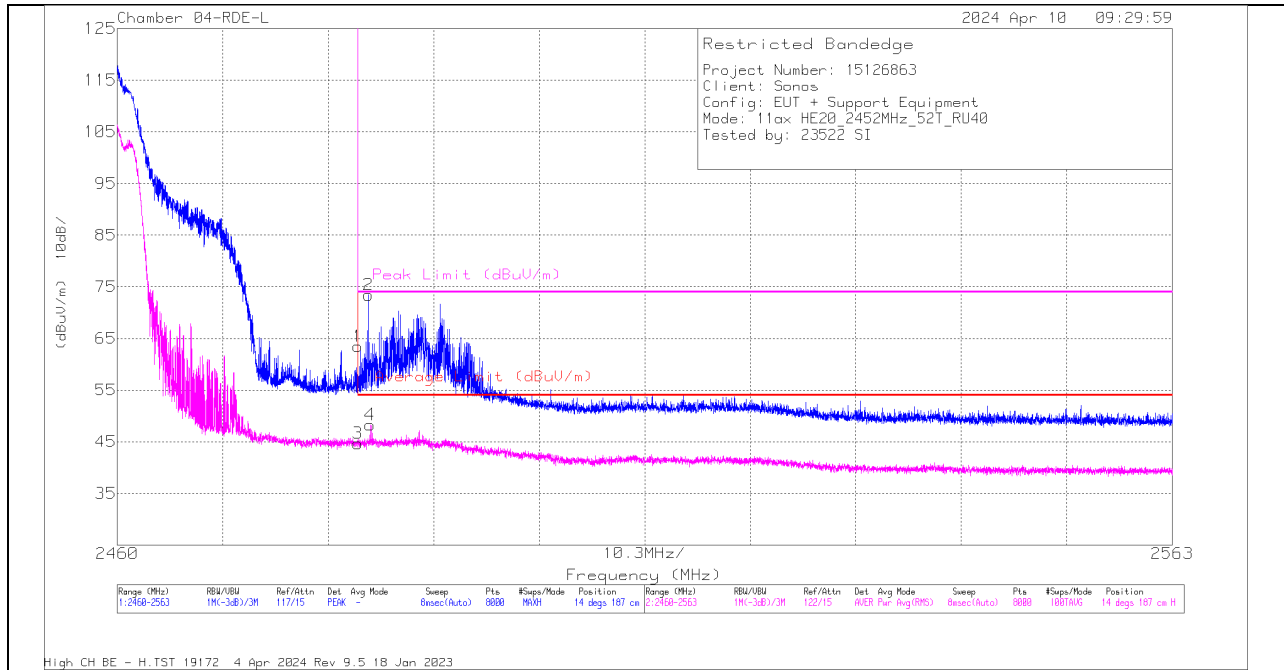
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	56.03	Pk	32.4	-24.2	0	64.23	-	-	74	-9.77	286	392	V
2	* 2483.848	58.96	Pk	32.4	-24.2	0	67.16	-	-	74	-6.84	286	392	V
3	* 2483.5	32.11	RMS	32.4	-24.2	1.34	41.65	54	-12.35	-	-	286	392	V
4	* 2483.874	33.78	RMS	32.4	-24.2	1.34	43.32	54	-10.68	-	-	286	392	V

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



### BANEDGE (HIGH CHANNEL 9)

### HORIZONTAL RESULT

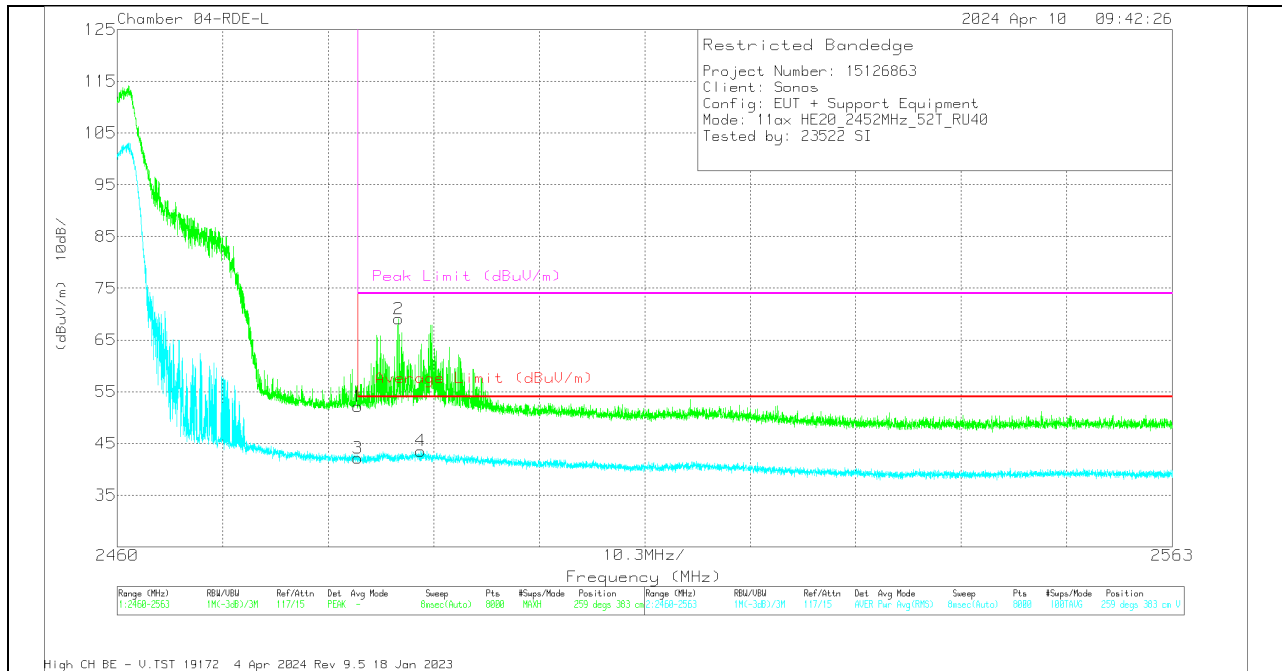


### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	55.27	Pk	32.4	-24.2	0	63.47	-	-	74	-10.53	14	187	H
2	* 2484.544	65.23	Pk	32.4	-24.2	0	73.43	-	-	74	-5.7	14	187	H
3	* 2483.5	35.13	RMS	32.4	-24.2	1.34	44.67	54	-9.33	-	-	14	187	H
4	* 2484.685	38.73	RMS	32.4	-24.2	1.34	48.27	54	-5.73	-	-	14	187	H

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

### VERTICAL RESULT



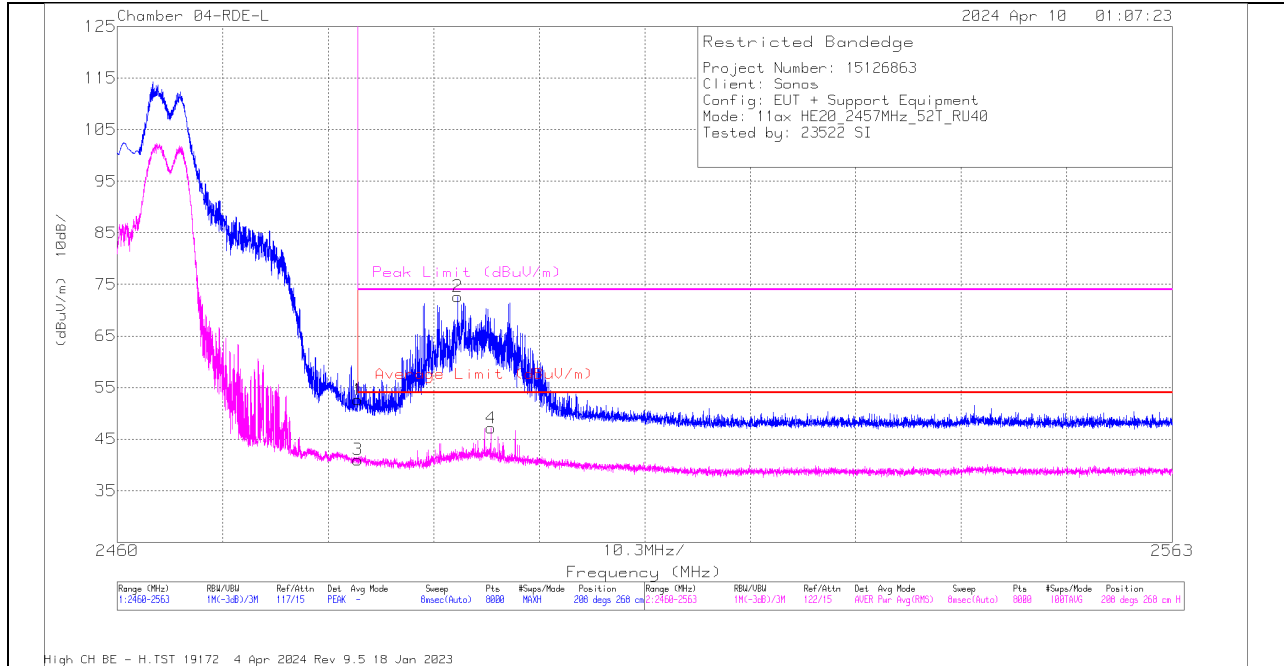
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	43.94	Pk	32.4	-24.2	0	52.14	-	-	74	-21.86	259	383	V
2	* 2487.492	60.87	Pk	32.4	-24.2	0	69.07	-	-	74	-4.93	259	383	V
3	* 2483.5	32.61	RMS	32.4	-24.2	1.34	42.15	54	-11.85	-	-	259	383	V
4	* 2489.63	34.02	RMS	32.4	-24.2	1.34	43.56	54	-10.44	-	-	259	383	V

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

### BANDEDGE (HIGH CHANNEL 10)

### HORIZONTAL RESULT

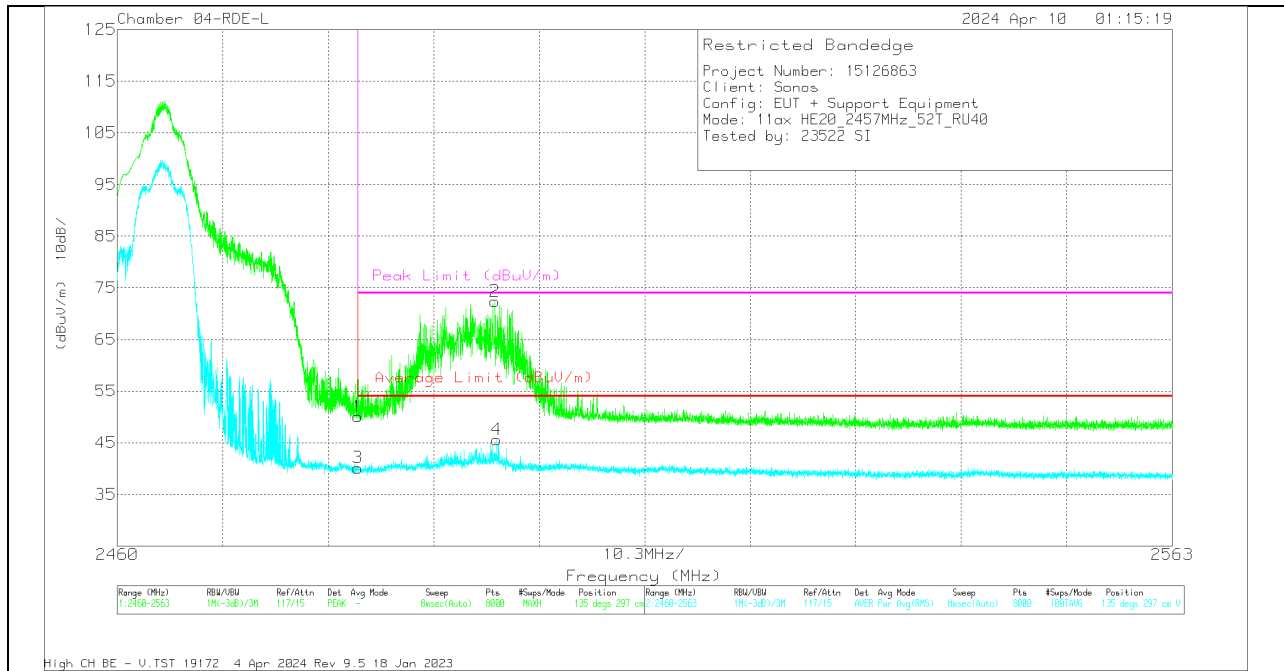


### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	44.43	PK	32.4	-24.2	0	52.63	-	-	74	-21.37	208	268	H
2	* 2493.223	64.44	PK	32.4	-24.2	0	72.64	-	-	74	-1.36	208	268	H
3	* 2483.5	31.45	RMS	32.4	-24.2	1.34	40.99	54	-13.01	-	-	208	268	H
4	* 2496.481	37.51	RMS	32.5	-24.2	1.34	47.15	54	-6.85	-	-	208	268	H

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

### VERTICAL RESULT



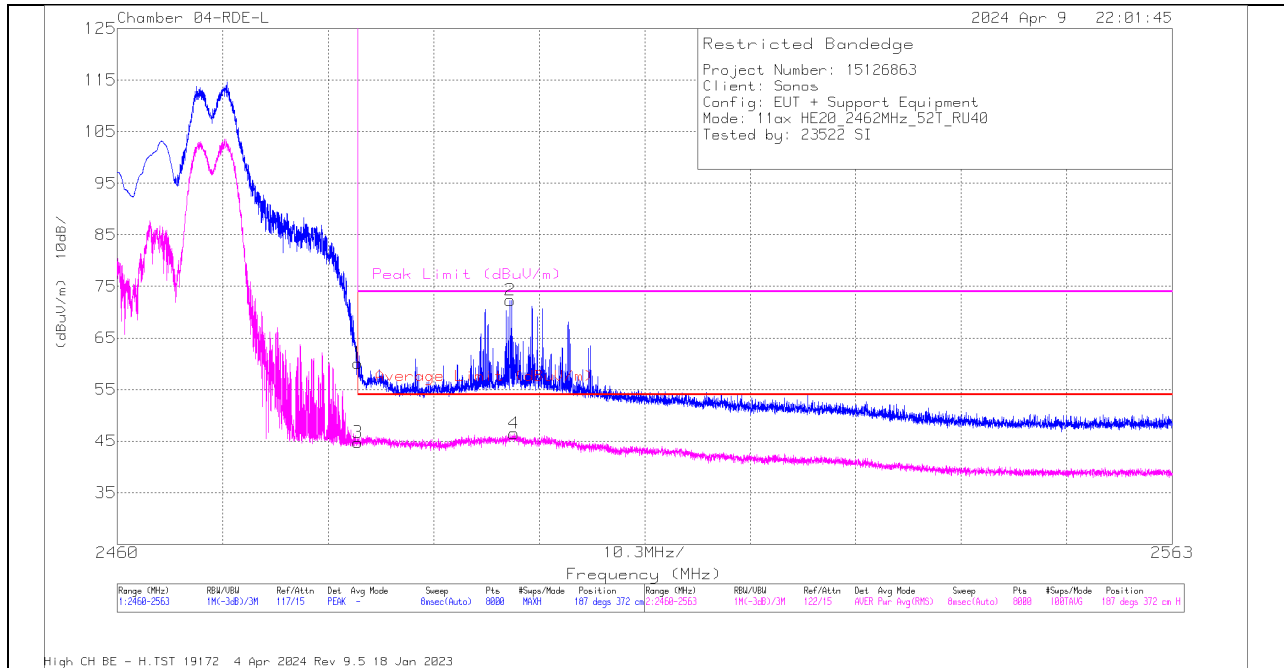
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	41.88	Pk	32.4	-24.2	0	50.08	-	-	74	-23.92	135	297	V
2	* 2496.841	64.08	Pk	32.5	-24.2	0	72.38	-	-	74	-1.62	135	297	V
3	* 2483.5	30.6	RMS	32.4	-24.2	1.34	40.14	54	-13.86	-	-	135	297	V
4	* 2497.034	35.97	RMS	32.5	-24.2	1.34	45.61	54	-8.39	-	-	135	297	V

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

### BANDEDGE (HIGH CHANNEL 11)

### HORIZONTAL RESULT

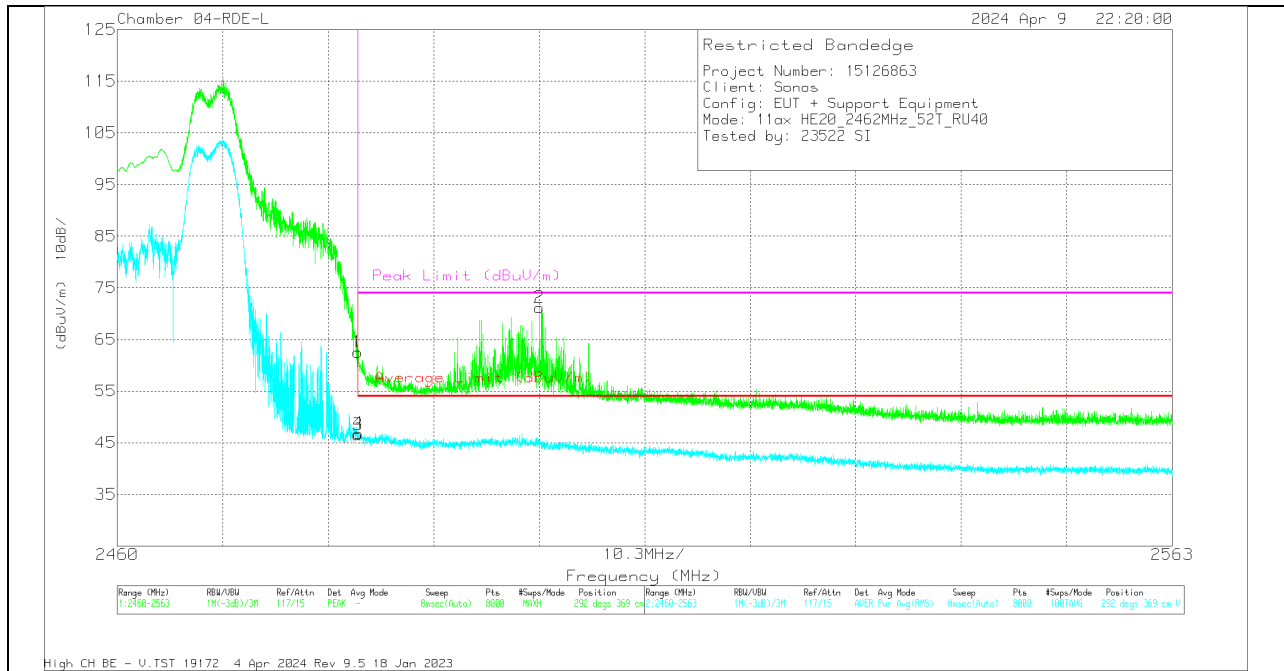


### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	51.91	Pk	32.4	-24.2	0	60.11	-	-	74	-13.89	187	372	H
2	* 2498.361	64.01	Pk	32.5	-24.2	0	72.31	-	-	74	-1.69	187	372	H
3	* 2483.5	35.19	RMS	32.4	-24.2	1.34	44.73	54	-9.27	-	-	187	372	H
4	* 2498.734	36.85	RMS	32.5	-24.2	1.34	46.49	54	-7.51	-	-	187	372	H

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

### VERTICAL RESULT



### TRACE MARKER

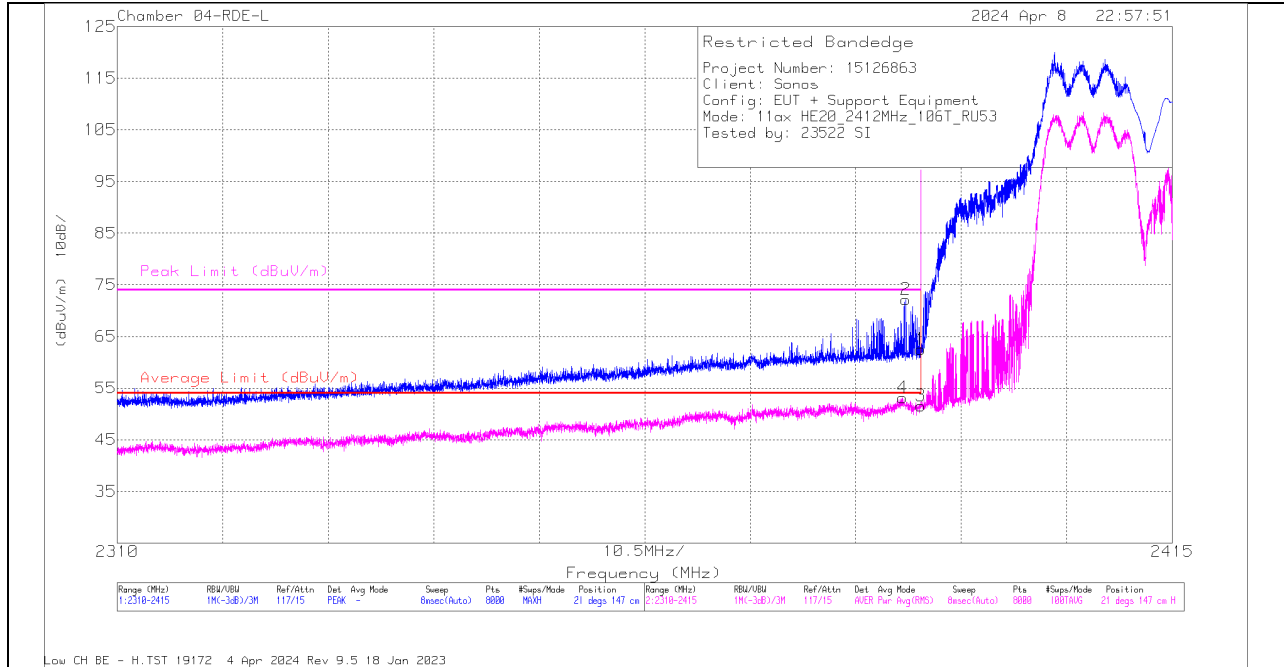
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	54.35	Pk	32.4	-24.2	0	62.55	-	-	74	-11.45	292	369	V
2	2501.232	62.89	Pk	32.5	-24.2	0	71.19	-	-	74	-2.81	292	369	V
3	* 2483.5	37.03	RMS	32.4	-24.2	1.34	46.57	54	-7.43	-	-	292	369	V
4	* 2483.526	37.29	RMS	32.4	-24.2	1.34	46.83	54	-7.17	-	-	292	369	V

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

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

**BANDEDGE (LOW CHANNEL 1)**

**HORIZONTAL RESULT**

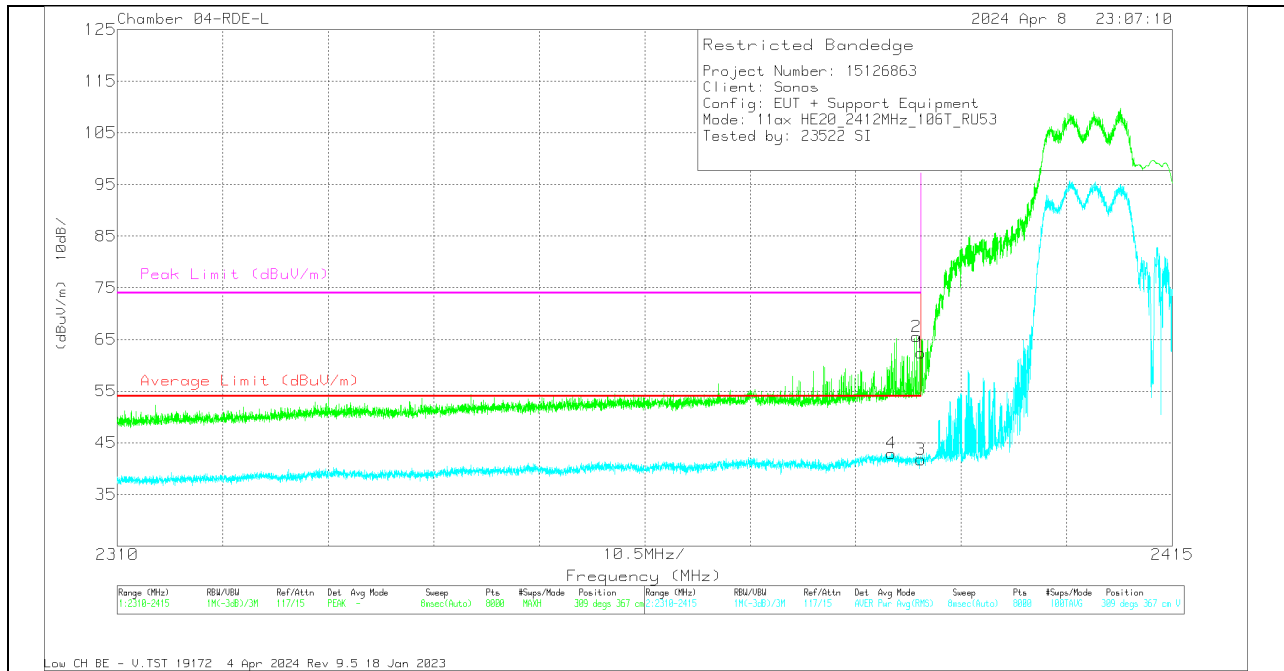


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	54.74	Pk	32.1	-24.3	0	62.54	-	-	74	-11.46	21	147	H
2	* 2388.486	64.36	Pk	32.1	-24.3	0	72.16	-	-	74	-1.84	21	147	H
3	* 2390	40.01	RMS	32.1	-24.3	3.77	51.58	54	-2.42	-	-	21	147	H
4	* 2388.171	41.57	RMS	32.1	-24.3	3.77	53.14	54	-0.86	-	-	21	147	H

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

### VERTICAL RESULT



### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	54.62	Pk	32.1	-24.3	0	62.42	-	-	74	-11.58	309	367	V
2	* 2389.523	57.72	Pk	32.1	-24.3	0	65.52	-	-	74	-8.48	309	367	V
3	* 2390	33.21	RMS	32.1	-24.3	.74	41.75	54	-12.25	-	-	309	367	V
4	* 2387.042	34.41	RMS	32.1	-24.3	.74	42.95	54	-11.05	-	-	309	367	V

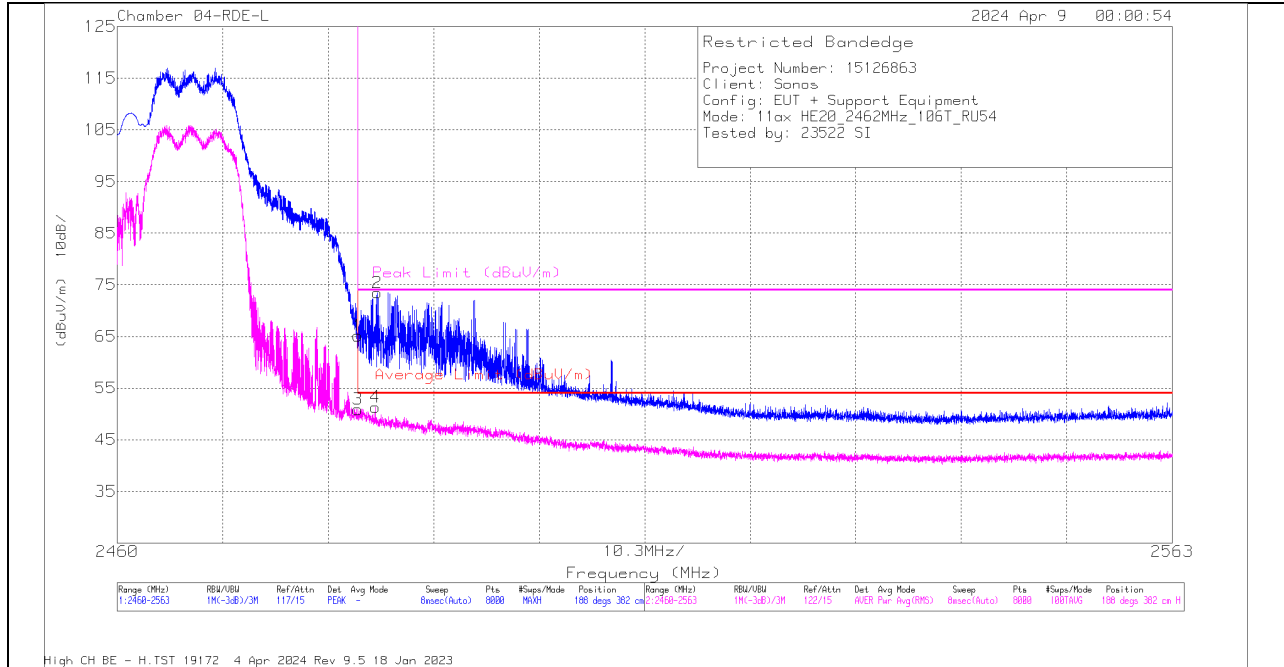
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection



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

**BANDEDGE HIGH CHANNEL 11)**

**HORIZONTAL RESULT**

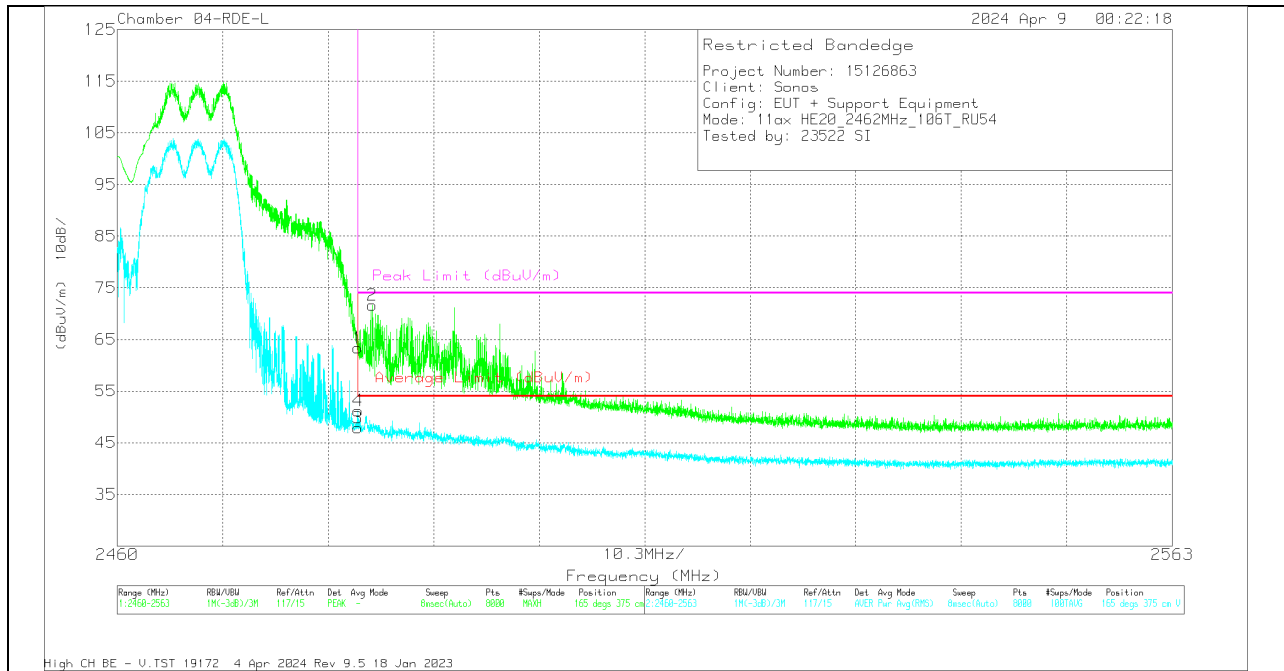


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	56.95	Pk	32.4	-24.2	0	65.15	-	-	74	-8.85	188	382	H
2	* 2485.381	65.26	Pk	32.4	-24.2	0	73.46	-	-	74	-54	188	382	H
3	* 2483.5	38.91	RMS	32.4	-24.2	3.77	50.88	54	-3.12	-	-	188	382	H
4	* 2485.213	39.33	RMS	32.4	-24.2	3.77	51.3	54	-2.7	-	-	188	382	H

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

### VERTICAL RESULT



### TRACE MARKER

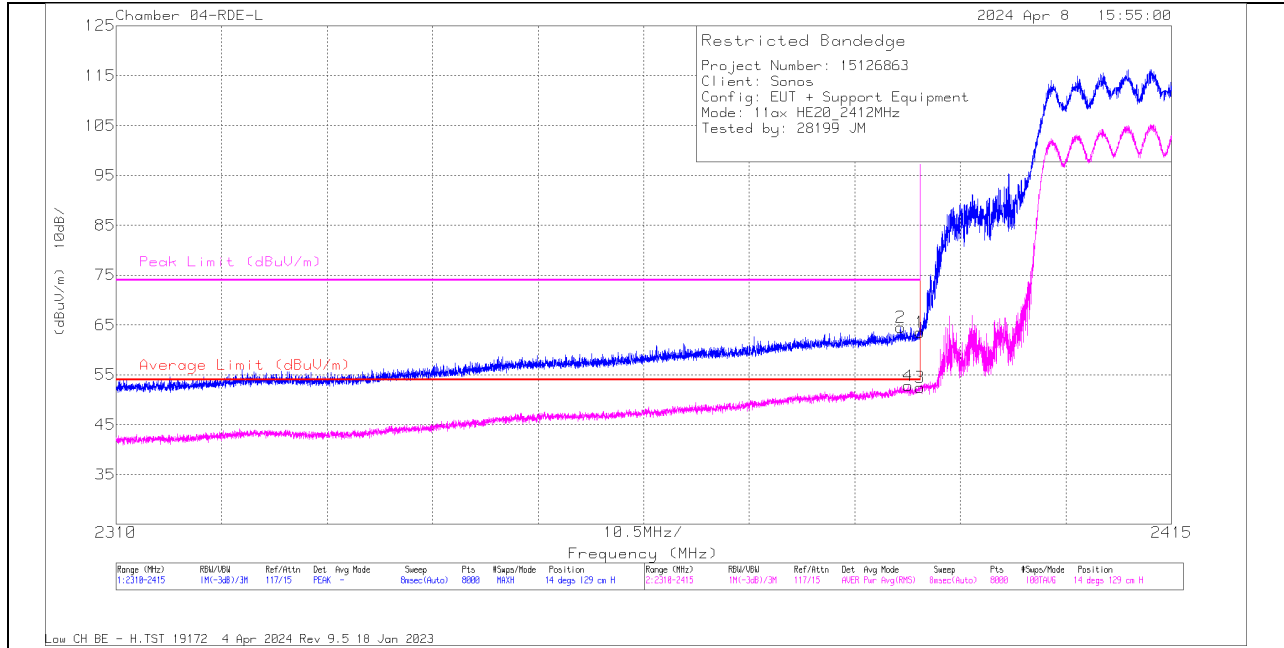
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	55.14	Pk	32.4	-24.2	0	63.34	-	-	74	-10.66	165	375	V
2	* 2484.917	63.43	Pk	32.4	-24.2	0	71.63	-	-	74	-2.37	165	375	V
3	* 2483.5	35.88	RMS	32.4	-24.2	3.77	47.85	54	-6.15	-	-	165	375	V
4	* 2483.513	39.23	RMS	32.4	-24.2	3.77	51.2	54	-2.8	-	-	165	375	V

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

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

**BANDEDGE (LOW CHANNEL 1)**

**HORIZONTAL RESULT**

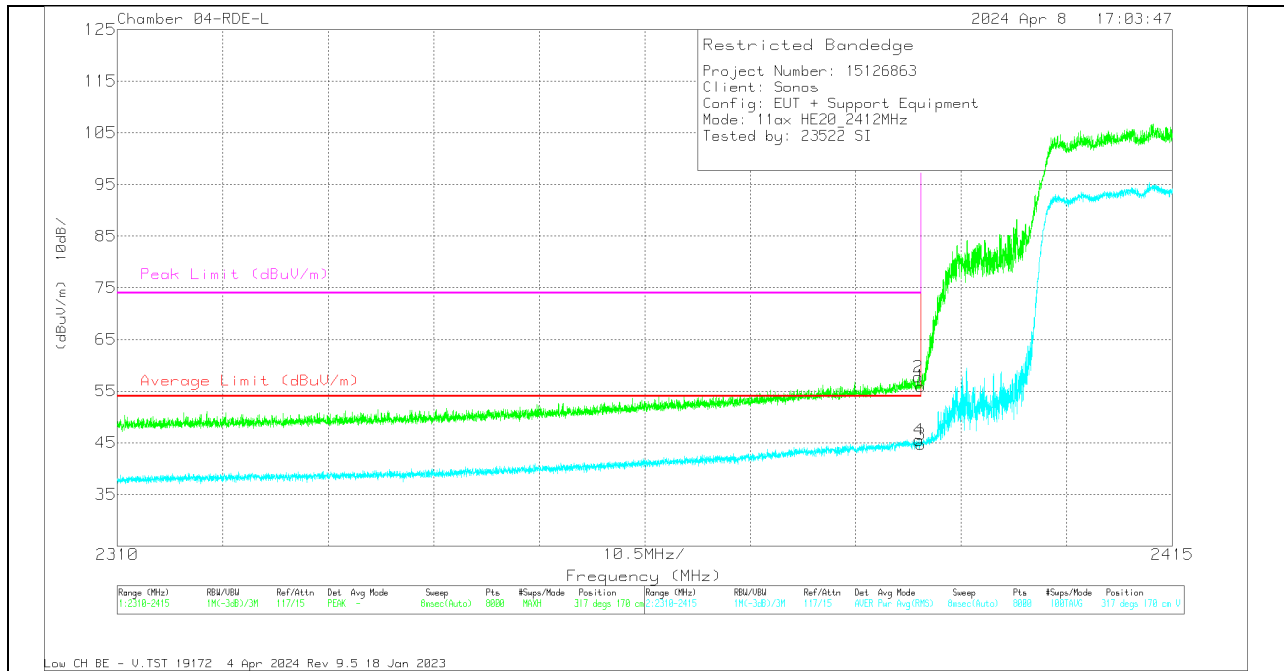


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	55.75	Pk	32.1	-24.3	0	63.55	-	-	74	-10.45	14	129	H
2	* 2388.053	56.75	Pk	32.1	-24.3	0	64.55	-	-	74	-9.45	14	129	H
3	* 2390	43.89	RMS	32.1	-24.3	.74	52.43	54	-1.57	-	-	14	129	H
4	* 2388.828	44.26	RMS	32.1	-24.3	.74	52.8	54	-1.2	-	-	14	129	H

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

### VERTICAL RESULT



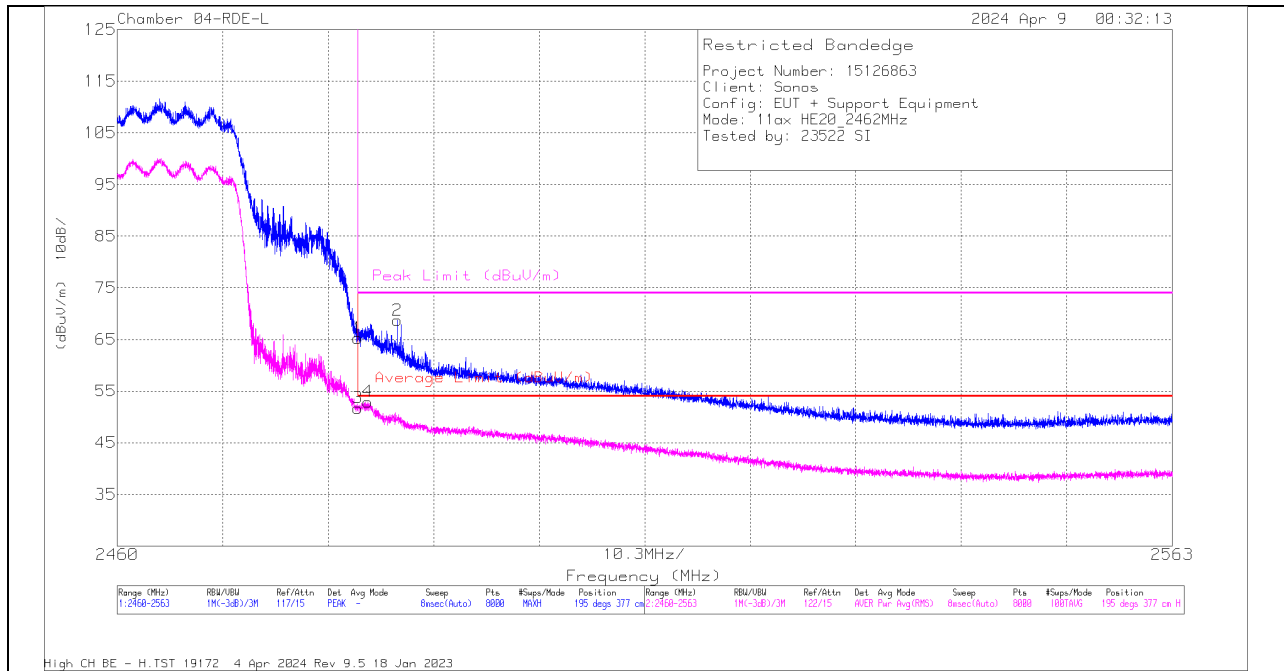
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	48.19	Pk	32.1	-24.3	0	55.99	-	-	74	-18.01	317	170	V
2	* 2389.707	49.92	Pk	32.1	-24.3	0	57.72	-	-	74	-16.28	317	170	V
3	* 2390	36.15	RMS	32.1	-24.3	.74	44.69	54	-9.31	-	-	317	170	V
4	* 2389.799	36.99	RMS	32.1	-24.3	.74	45.53	54	-8.47	-	-	317	170	V

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

**BANDEDGE (HIGH CHANNEL 11)**

**HORIZONTAL RESULT**

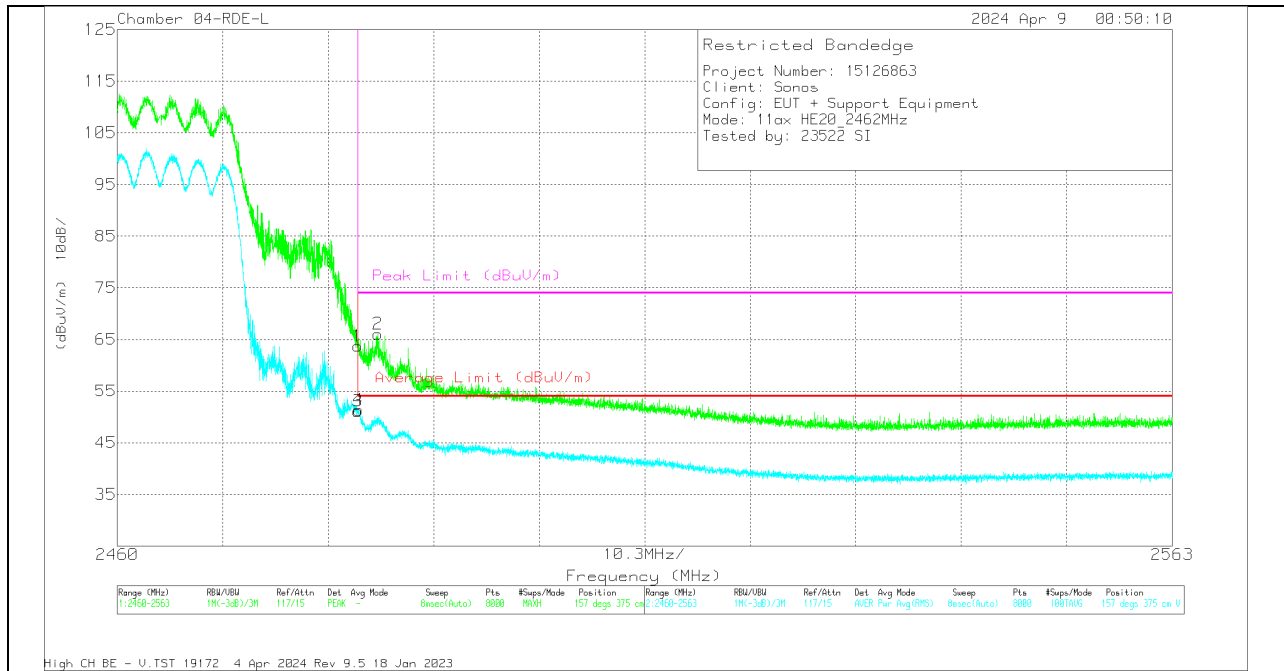


**TRACE MARKER**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	57.06	Pk	32.4	-24.2	0	65.26	-	-	74	-8.74	195	377	H
2	* 2487.351	60.49	Pk	32.4	-24.2	0	68.69	-	-	74	-5.31	195	377	H
3	* 2483.5	42.78	RMS	32.4	-24.2	.74	51.72	54	-2.28	-	-	195	377	H
4	* 2484.479	43.99	RMS	32.4	-24.2	.74	52.93	54	-1.07	-	-	195	377	H

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

### VERTICAL RESULT



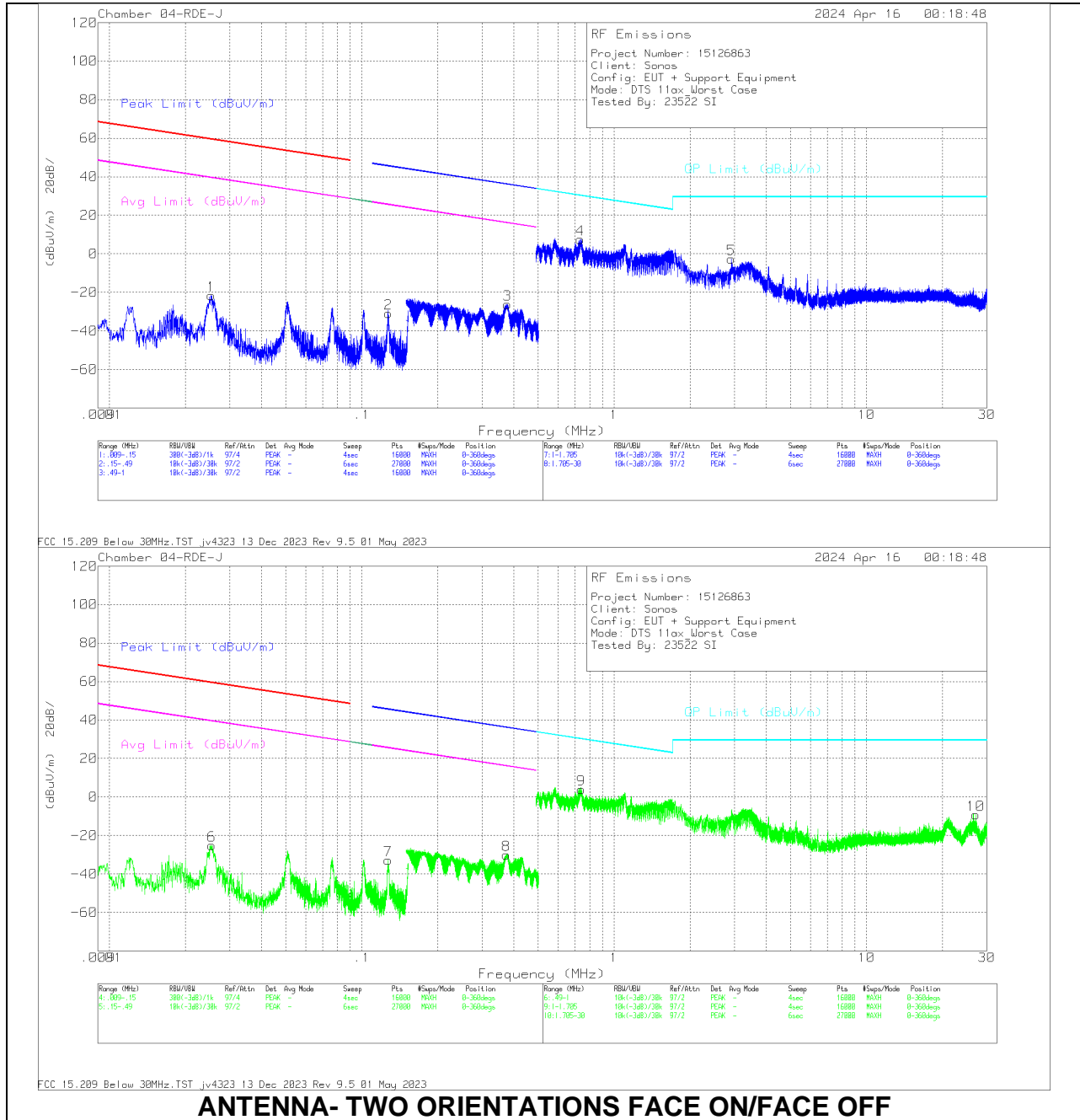
### TRACE MARKER

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206805 ACF (dB)	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	55.51	Pk	32.4	-24.2	0	63.71	-	-	74	-10.29	157	375	V
2	* 2485.471	57.88	Pk	32.4	-24.2	0	66.08	-	-	74	-7.92	157	375	V
3	* 2483.5	42.2	RMS	32.4	-24.2	.74	51.14	54	-2.86	-	-	157	375	V
4	* 2483.552	42.43	RMS	32.4	-24.2	.74	51.37	54	-2.63	-	-	157	375	V

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

## 10.2. Worst Case Below 30MHz

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



**Below 30MHz Data**

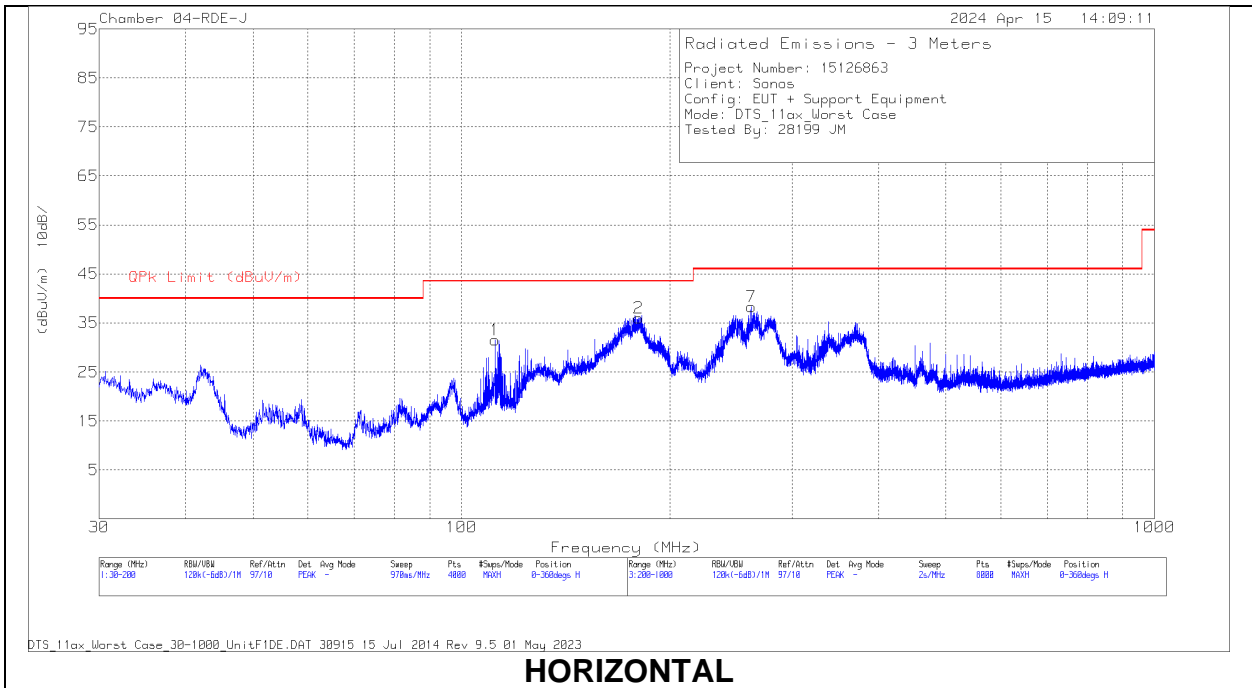
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF)	CBL/AMP (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity (Degs)
1	.0254	31.64	Pk	58.4	-31.7	-80	-21.66	59.5	-81.16	39.5	-61.16	0-360	0-deg
6	.0255	28.26	Pk	58.4	-31.7	-80	-25.04	59.46	-84.5	39.46	-64.5	0-360	90-degs
7	.1272	24.08	Pk	55.7	-32.5	-80	-32.72	45.54	-78.26	25.54	-58.26	0-360	90-degs
2	.1275	25.95	Pk	55.7	-32.5	-80	-30.85	45.52	-76.37	25.52	-56.37	0-360	0-deg
8	.3745	26.08	Pk	56.1	-32.2	-80	-30.02	36.14	-66.16	16.14	-46.16	0-360	90-degs
3	.3776	29.84	Pk	56.1	-32.2	-80	-26.26	36.07	-62.33	16.07	-42.33	0-360	0-deg

Pk - Peak detector

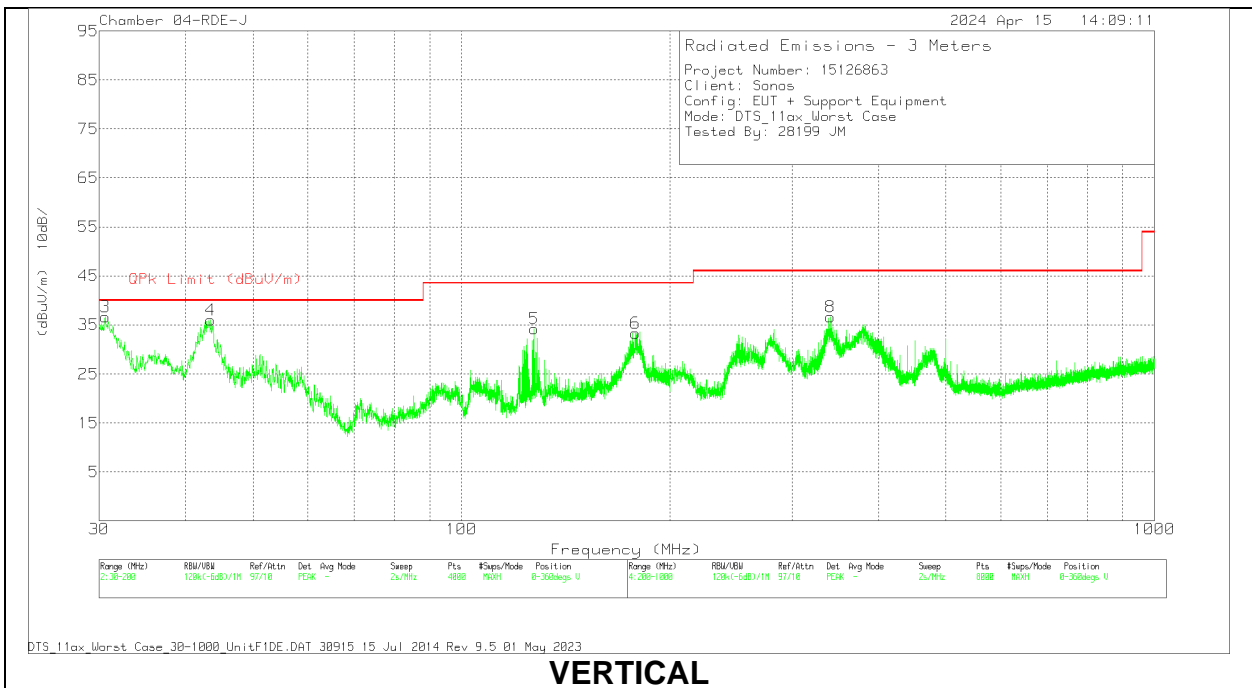
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF)	CBL/AMP (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity (Degs)
4	.7346	23.62	Pk	56.1	-32.3	-40	7.42	30.29	-22.87	0-360	0-deg
9	.7415	20.09	Pk	56.1	-32.3	-40	3.89	30.21	-26.32	0-360	90-degs
5	2.9175	30.88	Pk	38.9	-32.3	-40	-2.52	29.5	-32.02	0-360	0-deg
10	27.1609	28.61	Pk	33.7	-31.5	-40	-9.19	29.5	-38.69	0-360	90-degs



### 10.3. Worst Case Below 1 GHz



**HORIZONTAL**

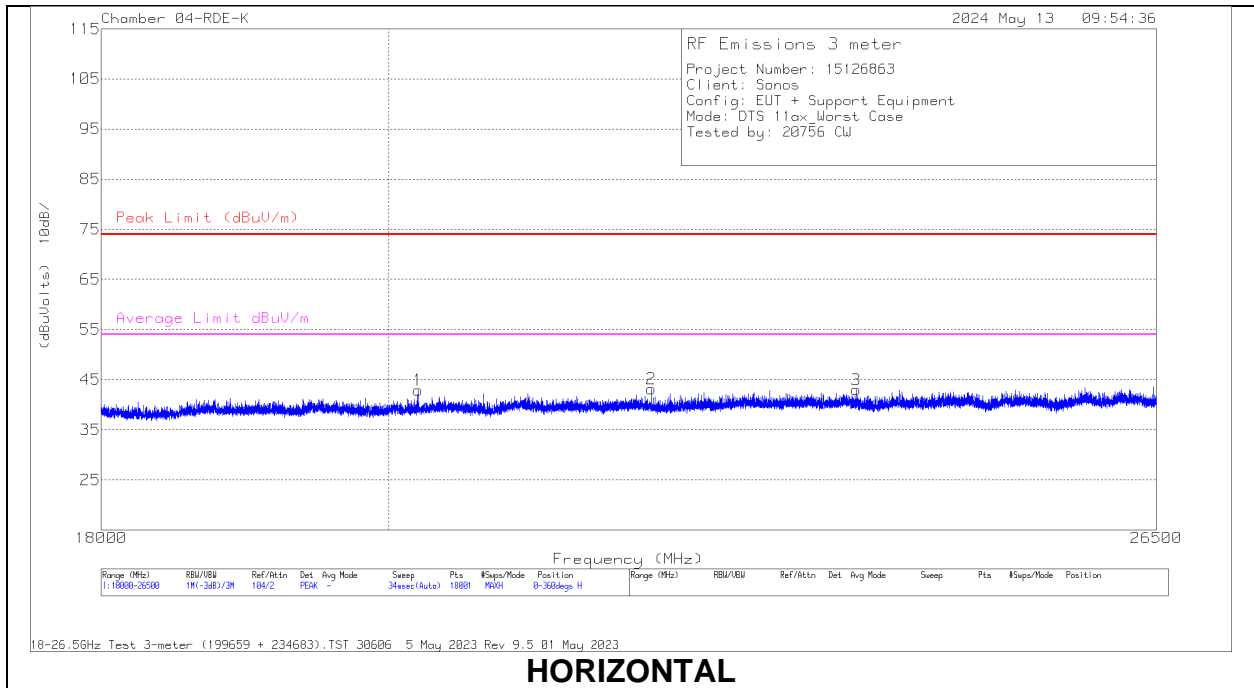


**VERTICAL**

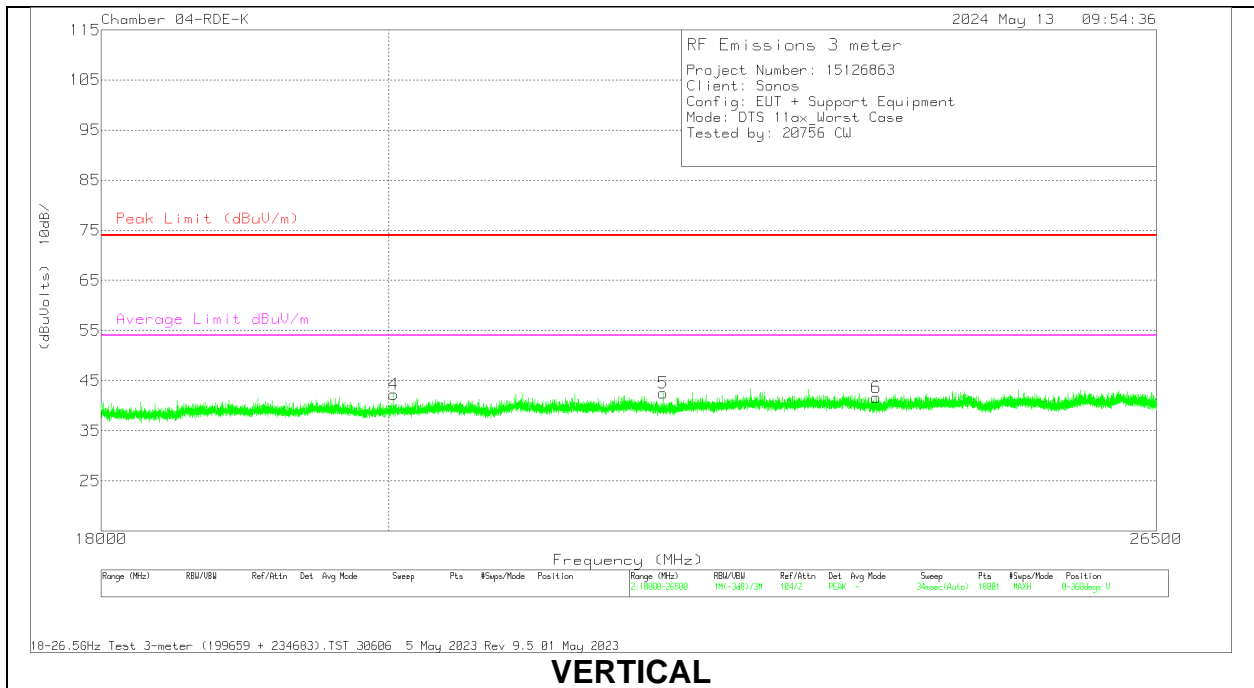
**Below 1GHz Data**

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
1	* 111.876	43.85	Pk	18.9	-31.2	31.55	43.52	-11.97	0-360	299	H
5	* 127.35	45.31	Pk	20	-31.1	34.21	43.52	-9.31	0-360	100	V
7	* 262.108	50.6	Pk	18.2	-30.5	38.3	46.02	-7.72	0-360	99	H
3	30.6252	38.93	Qp	26.3	-31.8	33.43	40	-6.57	70	104	V
4	43.2466	46.6	Qp	17.4	-31.7	32.3	40	-7.7	205	106	V
6	178.363	47.06	Pk	17.1	-30.8	33.36	43.52	-10.16	0-360	100	V
2	180.064	49.83	Pk	17	-30.8	36.03	43.52	-7.49	0-360	99	H
8	340.618	46.92	Pk	19.9	-30.2	36.62	46.02	-9.4	0-360	99	V

### 10.4. Worst Case 18-26 GHz



**HORIZONTAL**



**VERTICAL**

**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	* 20216.61	53.24	Pk	32.8	-61.9	18.8	42.94	74	-31.06	-	-	0-360	200	H
2	* 22020.498	52.71	Pk	33.2	-62.4	19.6	43.11	74	-30.89	-	-	0-360	101	H
3	* 23740.331	51.57	Pk	33.6	-62.6	20.4	42.97	74	-31.03	-	-	0-360	200	H
4	* 20038.11	53.22	Pk	32.7	-62.3	18.7	42.32	74	-31.68	-	-	0-360	200	V
5	* 22117.304	52.08	Pk	33.3	-62.4	19.6	42.58	74	-31.42	-	-	0-360	101	V
6	* 23915.525	50.09	Pk	33.7	-62.5	20.4	41.69	74	-32.31	-	-	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.

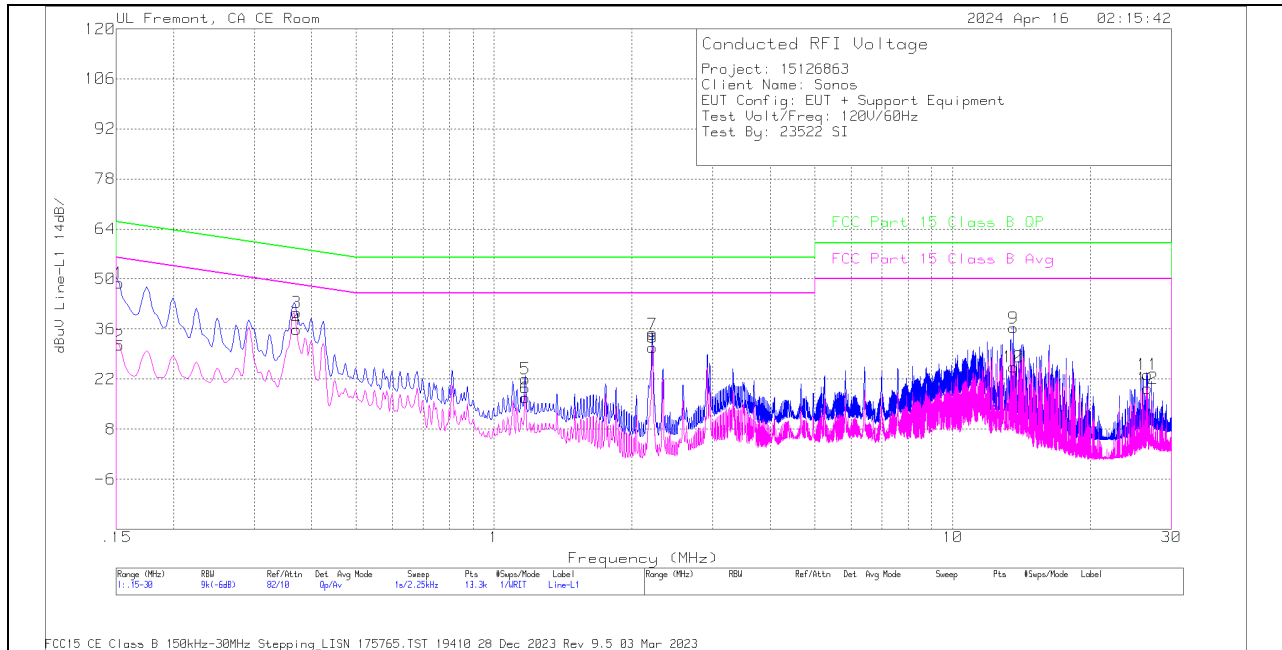
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

AC Power Line Norm

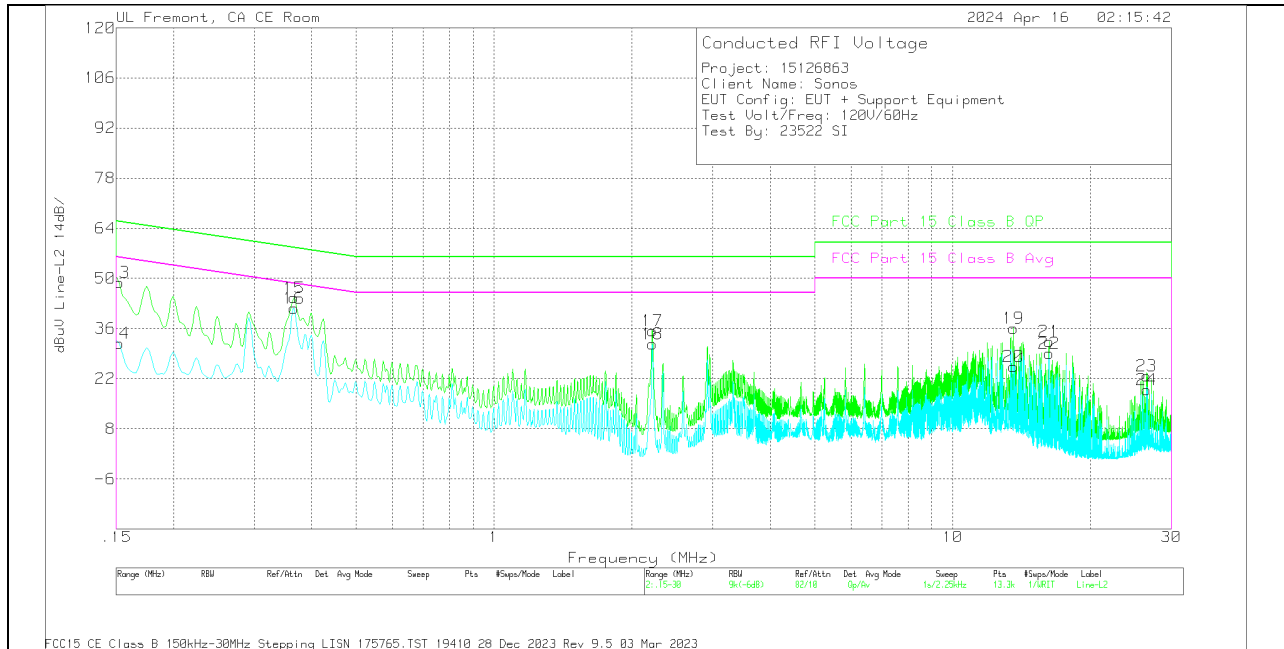
LINE 1 RESULTS



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	21.82	Av	.1	0	9.5	31.42	-	-	55.88	-24.46
4	.3705	26.56	Av	0	0	9.4	35.96	-	-	48.49	-12.53
6	1.1715	7.21	Av	0	.1	9.4	16.71	-	-	46	-29.29
8	2.2133	21.36	Av	0	.1	9.4	30.86	-	-	46	-15.14
10	13.5623	15.52	Av	.1	.3	9.5	25.42	-	-	50	-24.58
12	26.61	9.52	Av	.2	.3	9.4	19.42	-	-	50	-30.58
1	.1523	39.28	Qp	.1	0	9.5	48.88	65.88	-17	-	-
3	.3705	31.19	Qp	0	0	9.4	40.59	58.49	-17.9	-	-
5	1.1715	12.54	Qp	0	.1	9.4	22.04	56	-33.96	-	-
7	2.2133	25.05	Qp	0	.1	9.4	34.55	56	-21.45	-	-
9	13.5623	26.42	Qp	.1	.3	9.5	36.32	60	-23.68	-	-
11	26.61	13.31	Qp	.2	.3	9.4	23.21	60	-36.79	-	-

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	22.2	Av	.1	0	9.5	31.8	-	-	55.88	-24.08
16	.366	32.2	Av	0	.1	9.4	41.7	-	-	48.59	-6.89
18	2.2133	22.13	Av	0	.1	9.4	31.63	-	-	46	-14.37
20	13.5623	15.54	Av	.1	.2	9.5	25.34	-	-	50	-24.66
22	16.2285	19.32	Av	.1	.2	9.5	29.12	-	-	50	-20.88
24	26.4885	9.02	Av	.2	.3	9.4	18.92	-	-	50	-31.08
13	.1523	39.29	Qp	.1	0	9.5	48.89	65.88	-16.99	-	-
15	.366	35.07	Qp	0	.1	9.4	44.57	58.59	-14.02	-	-
17	2.2133	25.84	Qp	0	.1	9.4	35.34	56	-20.66	-	-
19	13.5623	26.27	Qp	.1	.2	9.5	36.07	60	-23.93	-	-
21	16.2285	22.63	Qp	.1	.2	9.5	32.43	60	-27.57	-	-
23	26.4885	12.82	Qp	.2	.3	9.4	22.72	60	-37.28	-	-

Qp - Quasi-Peak detector  
 Av - Average detection

## 12. SETUP PHOTOS

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

**END OF TEST REPORT**