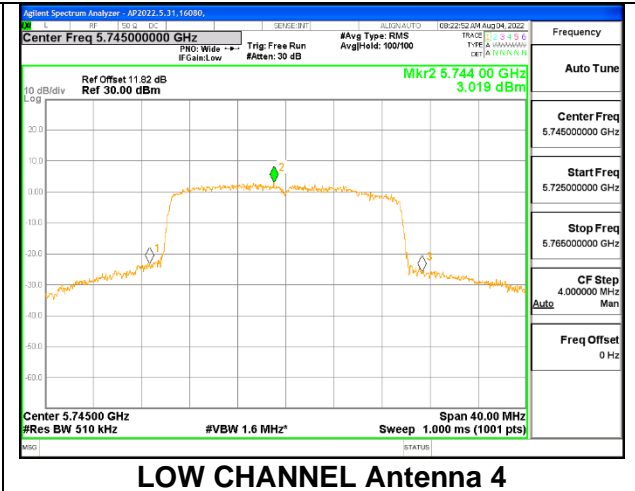
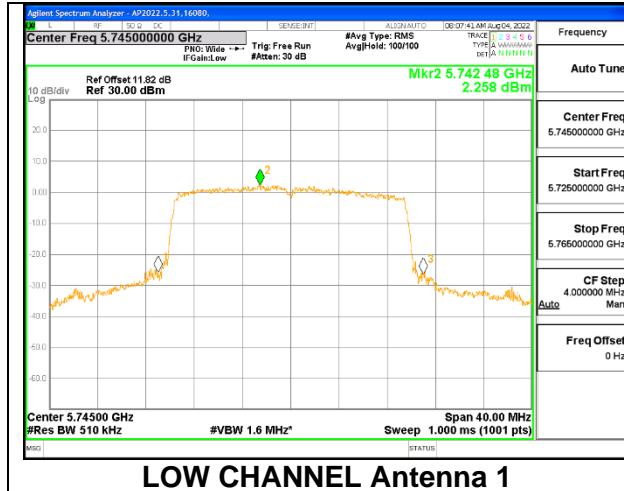
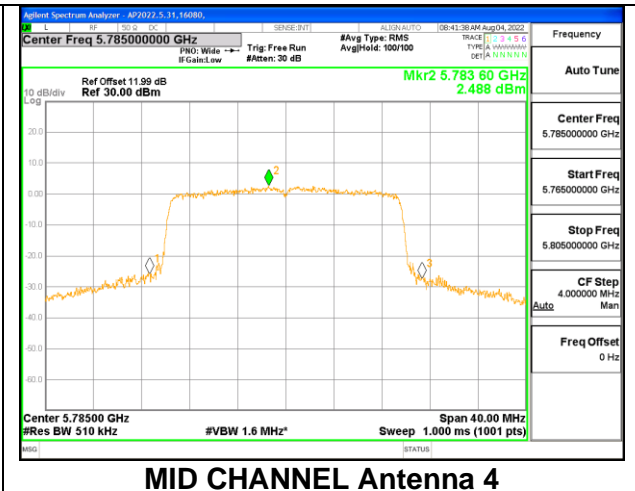
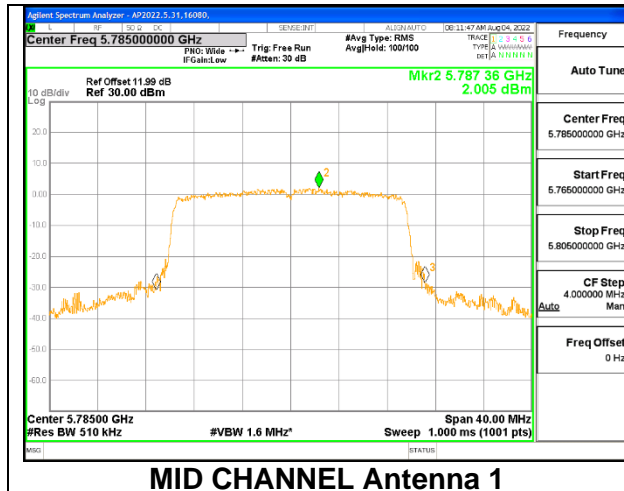


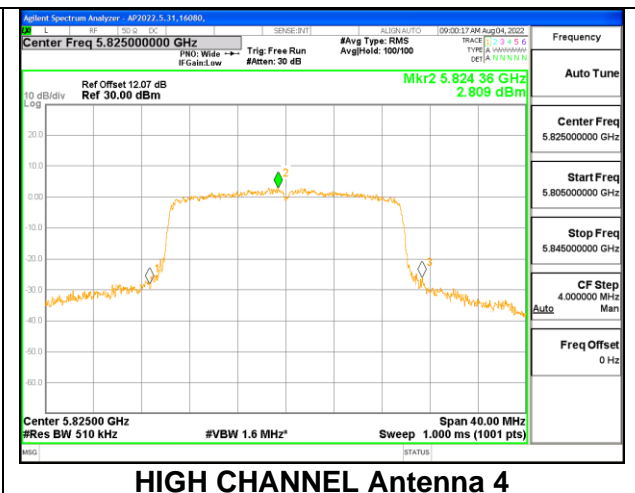
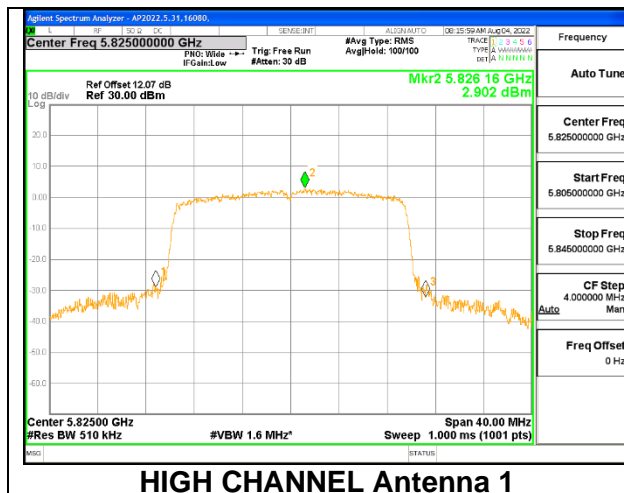
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



**2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	2022-08-04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	5.15	8.16	30.00	27.84
Mid	5785	5.15	8.16	30.00	27.84
High	5825	5.15	8.16	30.00	27.84

**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	19.34	19.99	22.69	30.00	-7.31
Mid	5785	19.50	19.54	22.53	30.00	-7.47
High	5825	18.31	18.72	21.53	30.00	-8.47

### 9.5.14. 802.11ax HE40 MODE 2TX IN THE 5.8GHz BAND (FCC+IC)

#### 2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	2022-08-04

#### Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5755	5.15	8.16	30.00	27.84

<b>Duty Cycle CF (dB)</b>	1.84	<b>Included in Calculations of Corr'd PSD</b>
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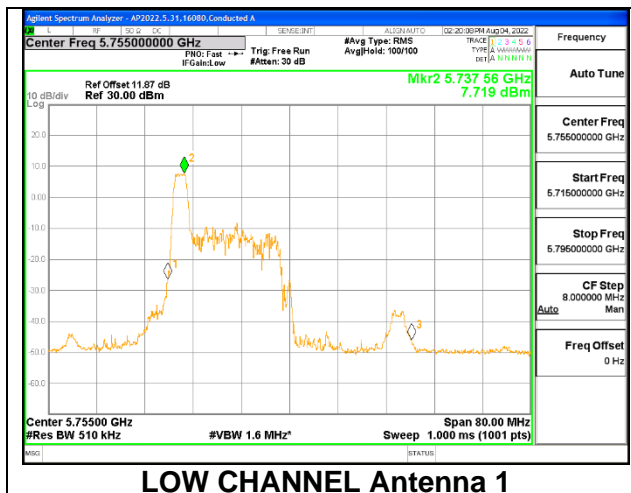
#### Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	16.68	17.46	20.10	30.00	-9.90

#### PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	7.719	8.477	12.965	27.84	-14.88

### LOW CHANNEL



**2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 17**

<b>Test Engineer:</b>	RA39005 and PV27966
<b>Test Date:</b>	2022-08-24

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5795	5.15	8.16	30.00	27.84

<b>Duty Cycle CF (dB)</b>	1.84	<b>Included in Calculations of Corr'd PSD</b>
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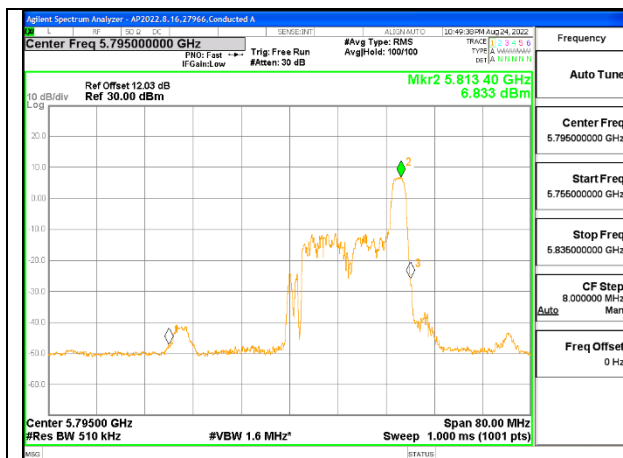
**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5795	14.86	15.55	18.23	30.00	-11.77

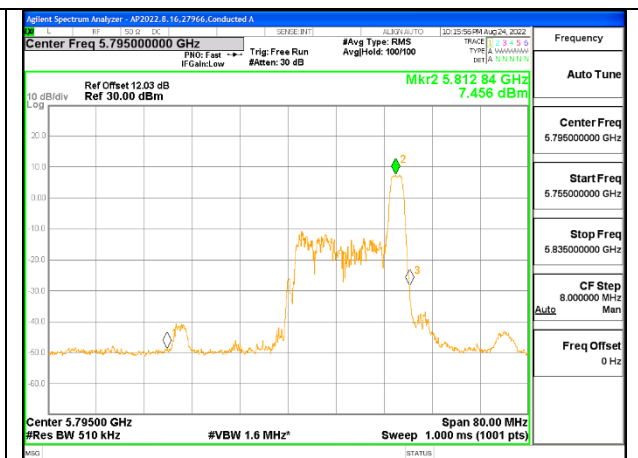
**PSD Results**

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5795	6.833	7.456	12.006	27.84	-15.83

**HIGH CHANNEL**



**HIGH CHANNEL Antenna 1**



**HIGH CHANNEL Antenna 4**

**2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	2022-08-24

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5755	5.15	8.16	30.00	27.84
High	5795	5.15	8.16	30.00	27.84

<b>Duty Cycle CF (dB)</b>	2.96	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	18.30	18.50	21.41	30.00	-8.59
High	5795	18.94	19.48	22.23	30.00	-7.77

**PSD Results**

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5755	-1.991	-0.730	4.655	27.84	-23.18
High	5795	-1.191	-0.198	5.304	27.84	-22.54



**2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	2022-08-04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5755	5.15	8.16	30.00	27.84
High	5795	5.15	8.16	30.00	27.84

**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	18.22	18.52	21.38	30.00	-8.62
High	5795	18.89	19.52	22.23	30.00	-7.77

### 9.5.15. 802.11ax HE80 MODE 2TX IN THE 5.8GHz BAND (FCC+IC)

#### 2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

<b>Test Engineer:</b>	RA39005 and PV27966
<b>Test Date:</b>	2022-08-24

#### Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5755	5.15	8.16	30.00	27.84

<b>Duty Cycle CF (dB)</b>	2.01	<b>Included in Calculations of Corr'd PSD</b>
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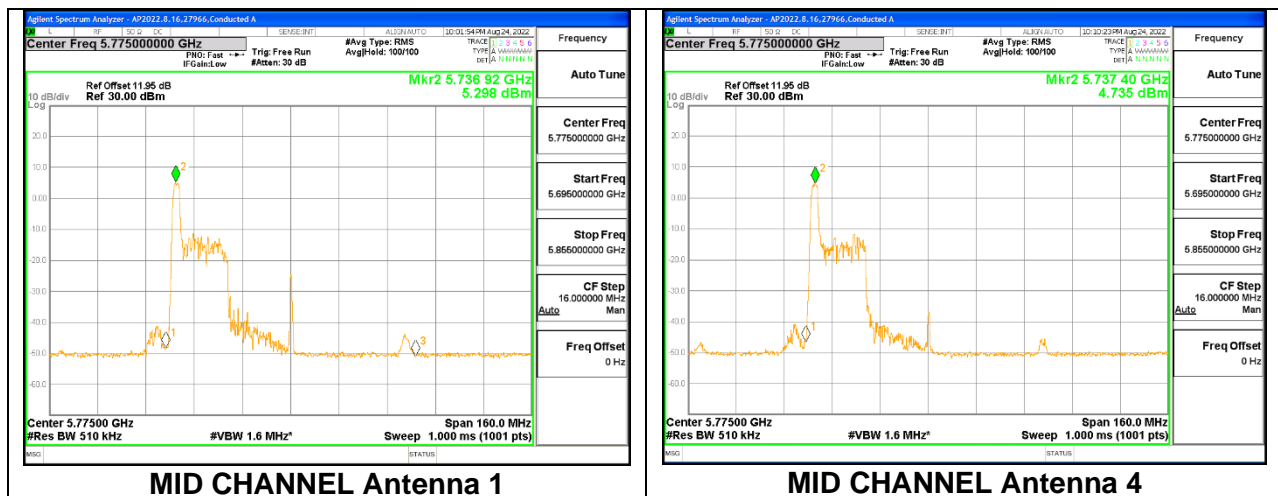
#### Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	13.32	13.31	16.33	30.00	-13.67

#### PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5755	5.298	4.735	10.046	27.84	-17.79

### MID CHANNEL





**2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 18**

<b>Test Engineer:</b>	RA39005 and PV27966
<b>Test Date:</b>	2022-08-24

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	5.15	8.16	30.00	27.84

<b>Duty Cycle CF (dB)</b>	2.01	<b>Included in Calculations of Corr'd PSD</b>
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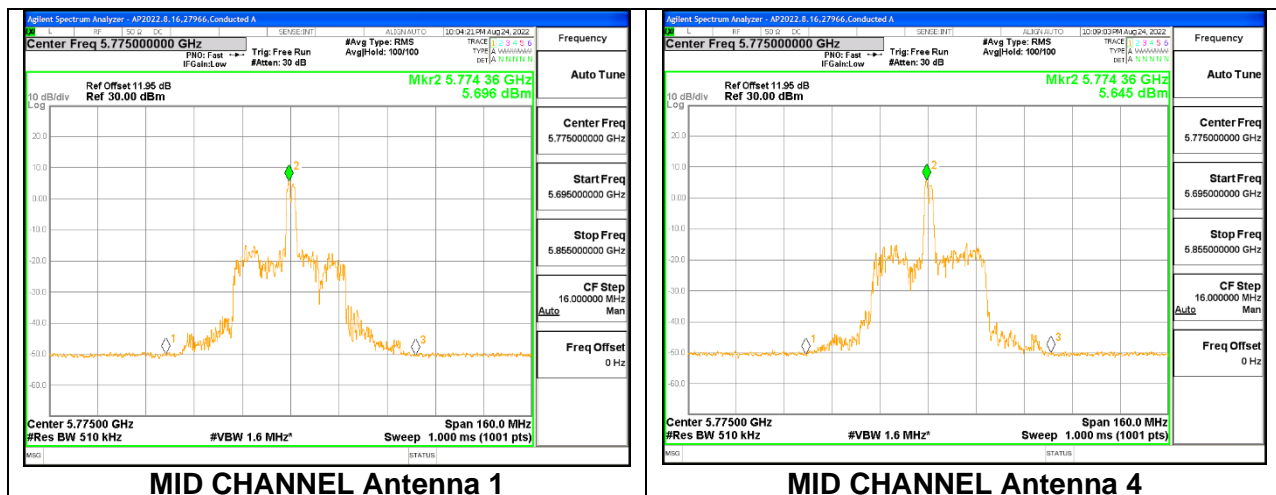
**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	13.25	13.36	16.32	30.00	-13.68

**PSD Results**

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	5.696	5.645	10.691	27.84	-17.15

**MID CHANNEL**



**2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 36**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	2022-08-04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5755	5.15	8.16	30.00	27.84

<b>Duty Cycle CF (dB)</b>	2.01	<b>Included in Calculations of Corr'd PSD</b>
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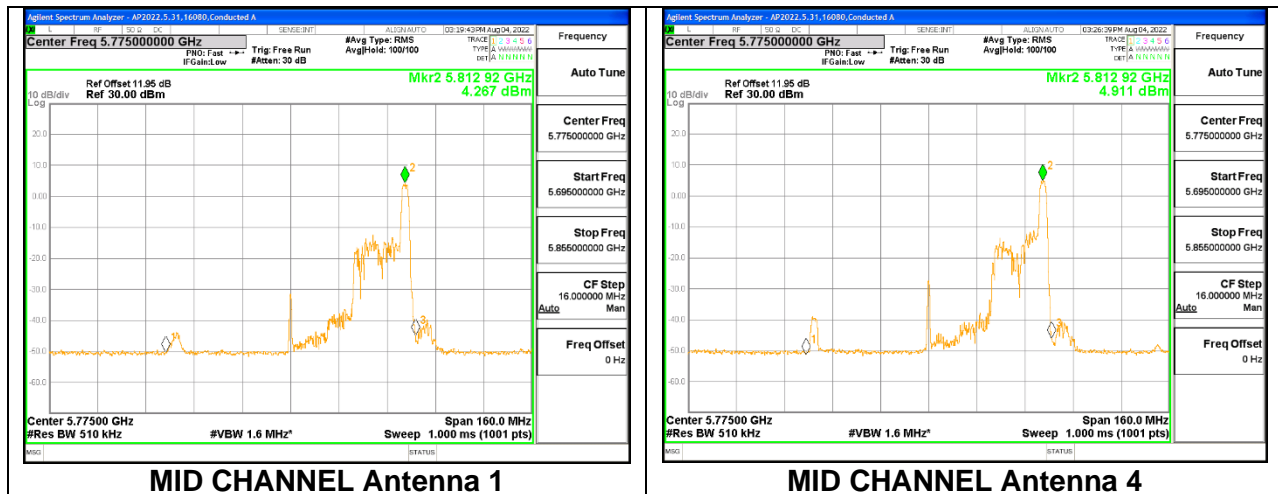
**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	13.19	13.25	16.23	30.00	-13.77

**PSD Results**

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5755	4.267	4.911	9.621	27.84	-18.22

**MID CHANNEL**



**2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	2022-08-04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5755	5.15	8.16	30.00	27.84

<b>Duty Cycle CF (dB)</b>	3.29	<b>Included in Calculations of Corr'd PSD</b>
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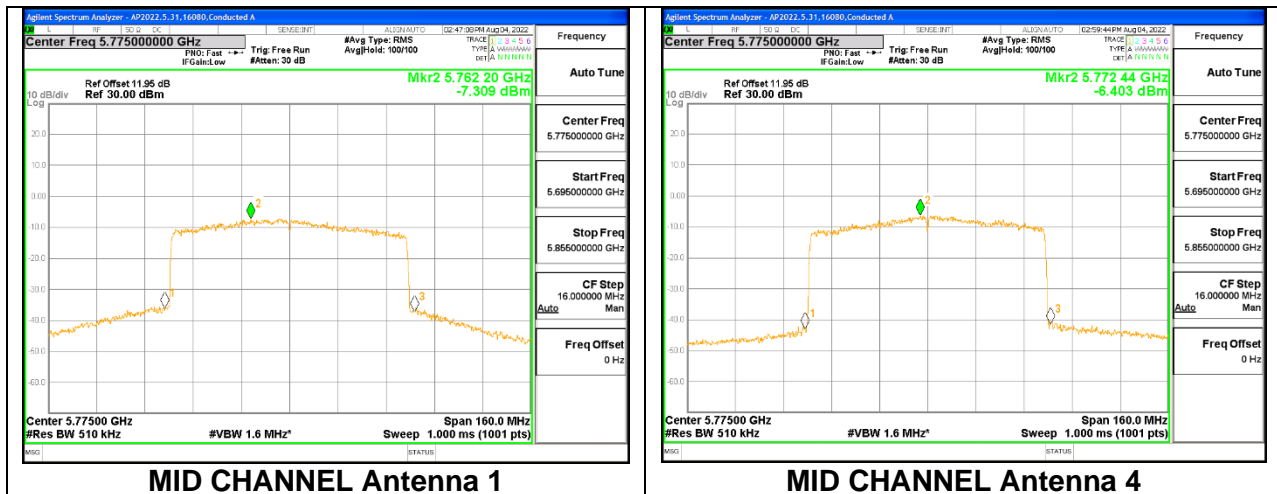
**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	15.92	16.42	19.19	30.00	-10.81

**PSD Results**

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5755	-7.309	-6.403	-0.532	27.84	-28.37

**MID CHANNEL**



**2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	2022-08-04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	5.15	8.16	30.00	27.84

**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	15.90	16.39	19.16	30.00	-10.84

## 10. RADIATED TEST RESULTS

### LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

6.2.4.2 (for 5725-5850 MHz band)

NCC LP0002 §2.7 and §2.8

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

### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement beLOW CHANNEL 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 CHANNEL 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 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with HIGH CHANNELest output power as worst-case scenario. 1GHz to 18GHz was set to the LOW CHANNELest, MID CHANNELdle, and HIGH CHANNELest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned

from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

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

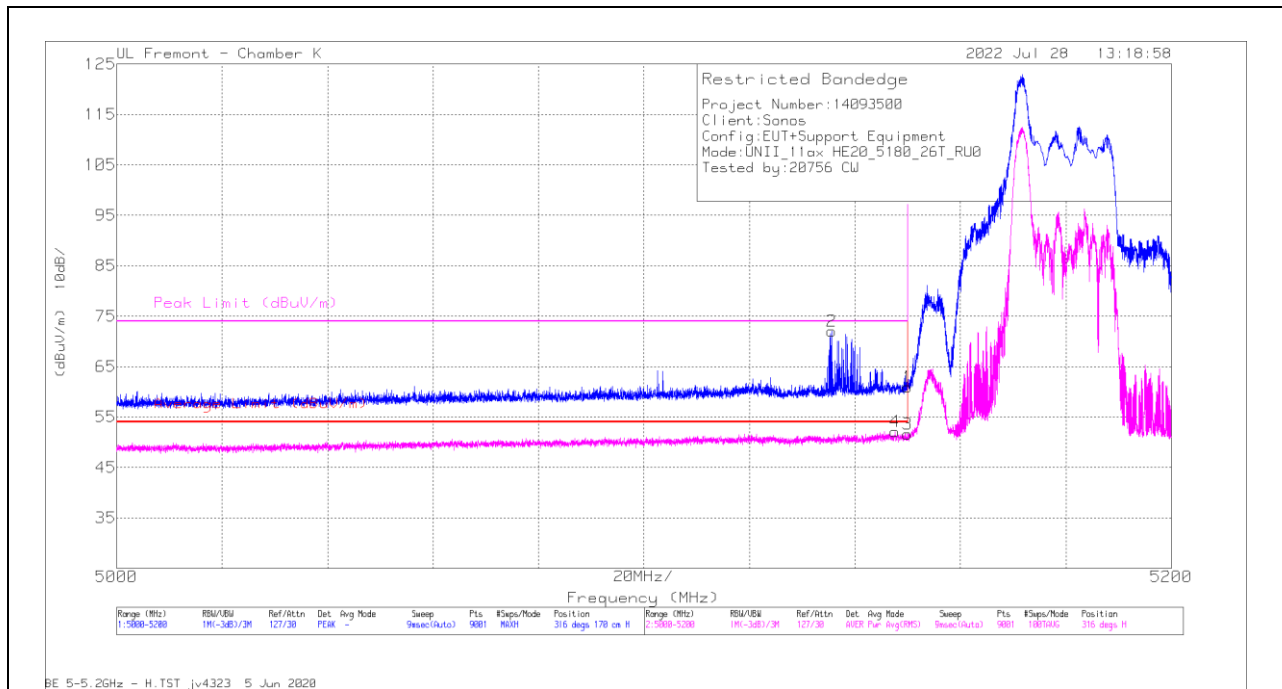
## 10.1. TRANSMITTER ABOVE 1 GHz

### 10.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.2GHz BAND

**2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 0**

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



#### Trace Markers

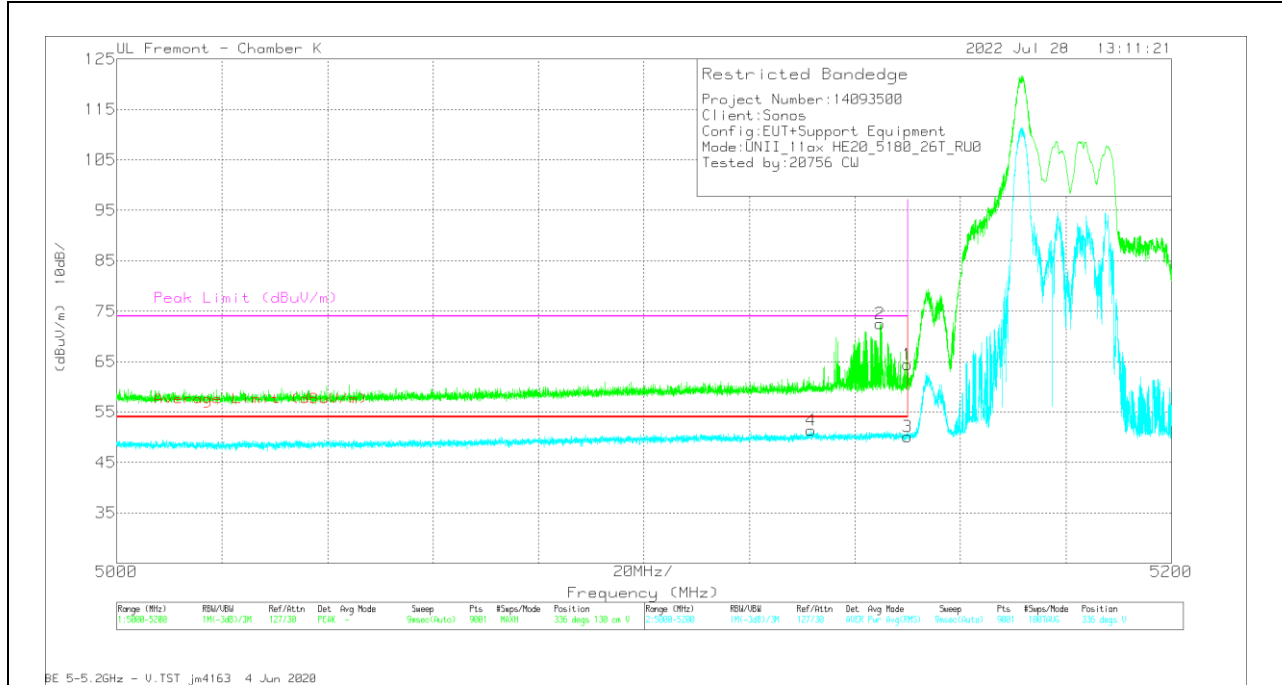
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	57.48	Pk	34.4	-30.9	0	60.98	-	-	74	-13.02	316	170	H
2	* 5135.576	68.49	Pk	34.3	-30.8	0	71.99	-	-	74	-2.01	316	170	H
3	* 5150	46.17	RMS	34.4	-30.9	1.97	51.64	54	-2.36	-	-	316	170	H
4	* 5147.643	46.53	RMS	34.4	-30.8	1.97	52.1	54	-1.9	-	-	316	170	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.99	Pk	34.4	-30.9	0	64.49	-	-	74	-9.51	336	130	V
2	* 5144.799	68.87	Pk	34.4	-30.8	0	72.47	-	-	74	-1.53	336	130	V
3	* 5150	44.72	RMS	34.4	-30.9	1.97	50.19	54	-3.81	-	-	336	130	V
4	* 5131.71	45.97	RMS	34.3	-30.9	1.97	51.34	54	-2.66	-	-	336	130	V

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

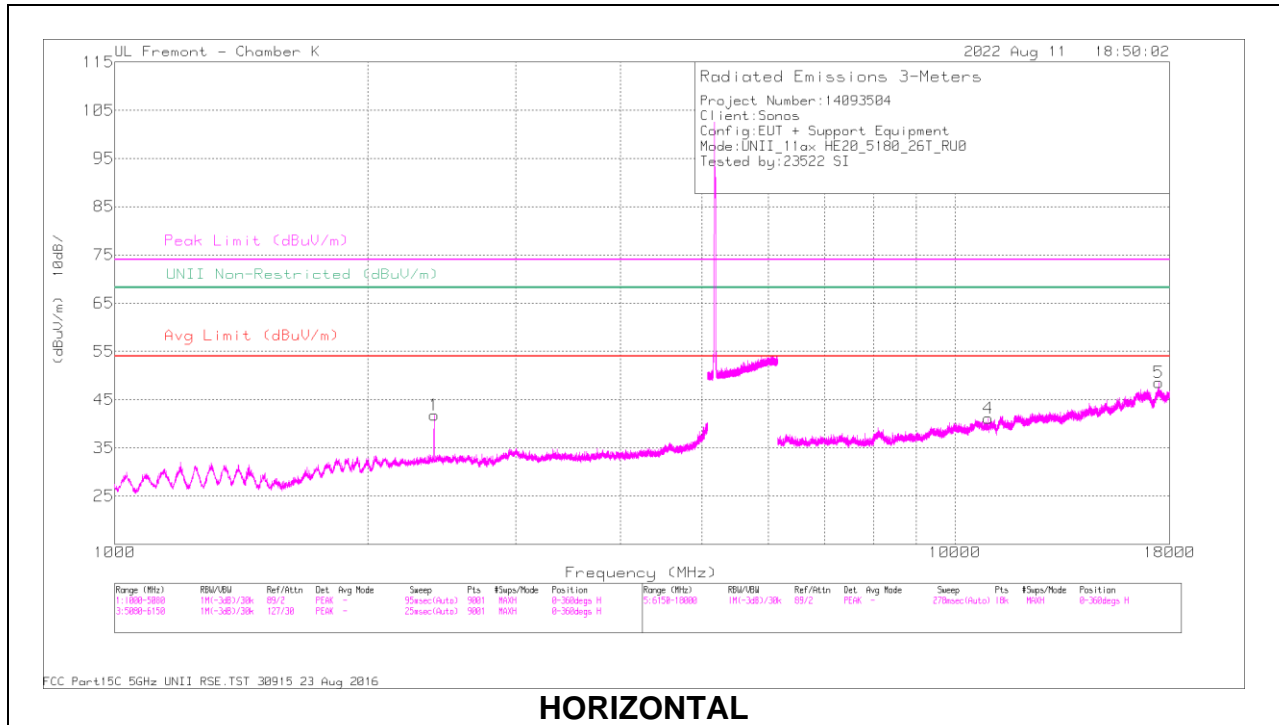
Pk - Peak detector

RMS - RMS detection

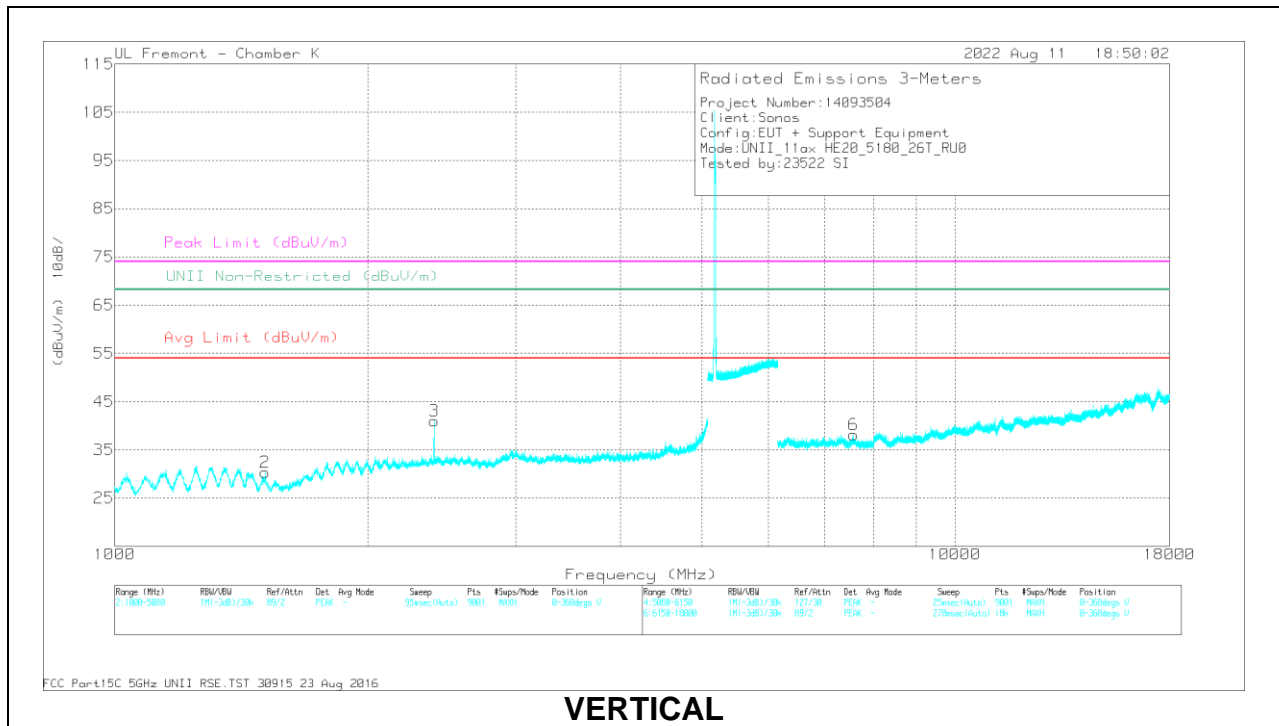


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



## HORIZONTAL



## VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) -3mH	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2399.771	63.84	PK-U	32.5	-44.6	0	51.74	-	-	-	-	68.2	-16.46	283	140	H
2	* 1509.472	57.29	PK-U	27.6	-45.7	0	39.19	-	-	74	-34.81	-	-	127	248	V
	* 1508.309	45.6	ADR	27.6	-45.7	1.97	29.47	54	-24.53	-	-	-	-	127	248	V
3	2399.553	61.98	PK-U	32.5	-44.6	0	49.88	-	-	-	-	68.2	-18.32	4	103	V
4	* 10959.676	47.76	PK-U	37.9	-36.4	0	49.26	-	-	74	-24.74	-	-	18	183	H
	* 10959.108	36.18	ADR	37.9	-36.4	1.97	39.65	54	-14.35	-	-	-	-	18	183	H
5	17489.559	45.31	PK-U	41.4	-30.7	0	56.01	-	-	-	-	68.2	-12.19	5	100	H
6	* 7572.579	48.82	PK-U	35.8	-37.4	0	47.22	-	-	74	-26.78	-	-	45	167	V
	* 7574.081	36.95	ADR	35.8	-37.3	1.97	37.42	54	-16.58	-	-	-	-	45	167	V

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

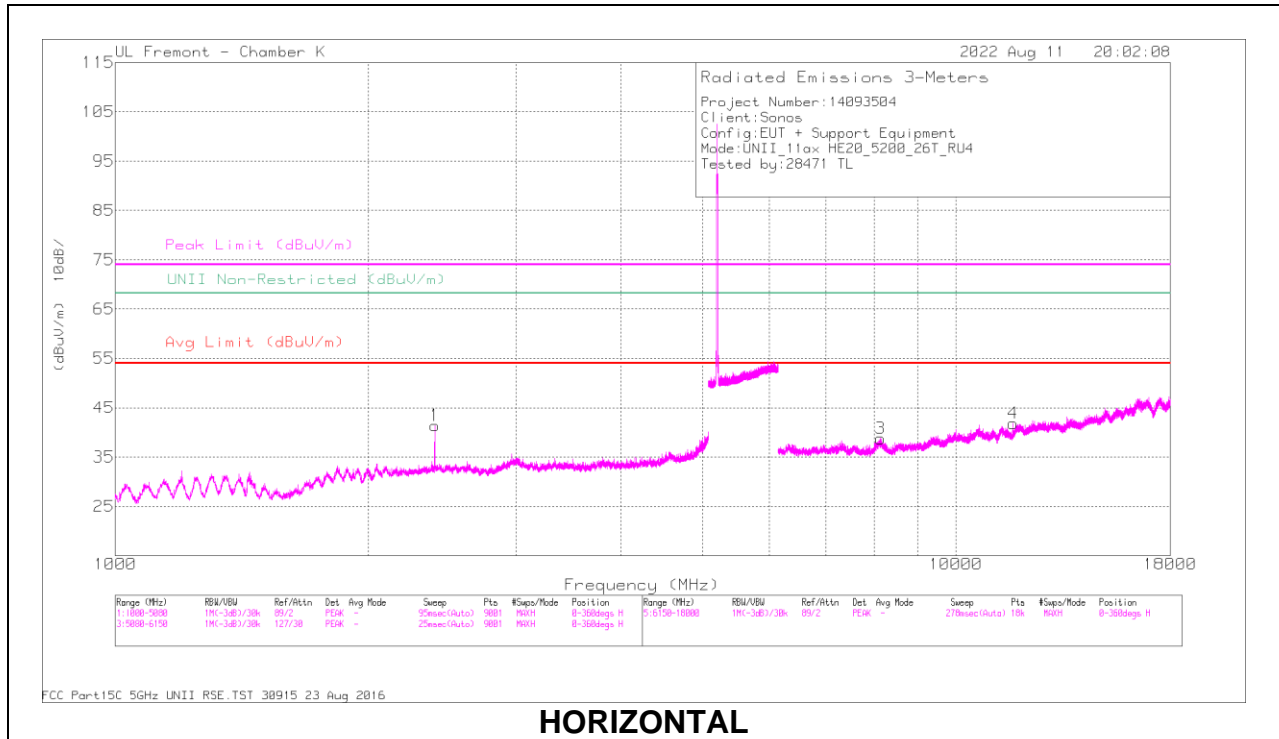
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

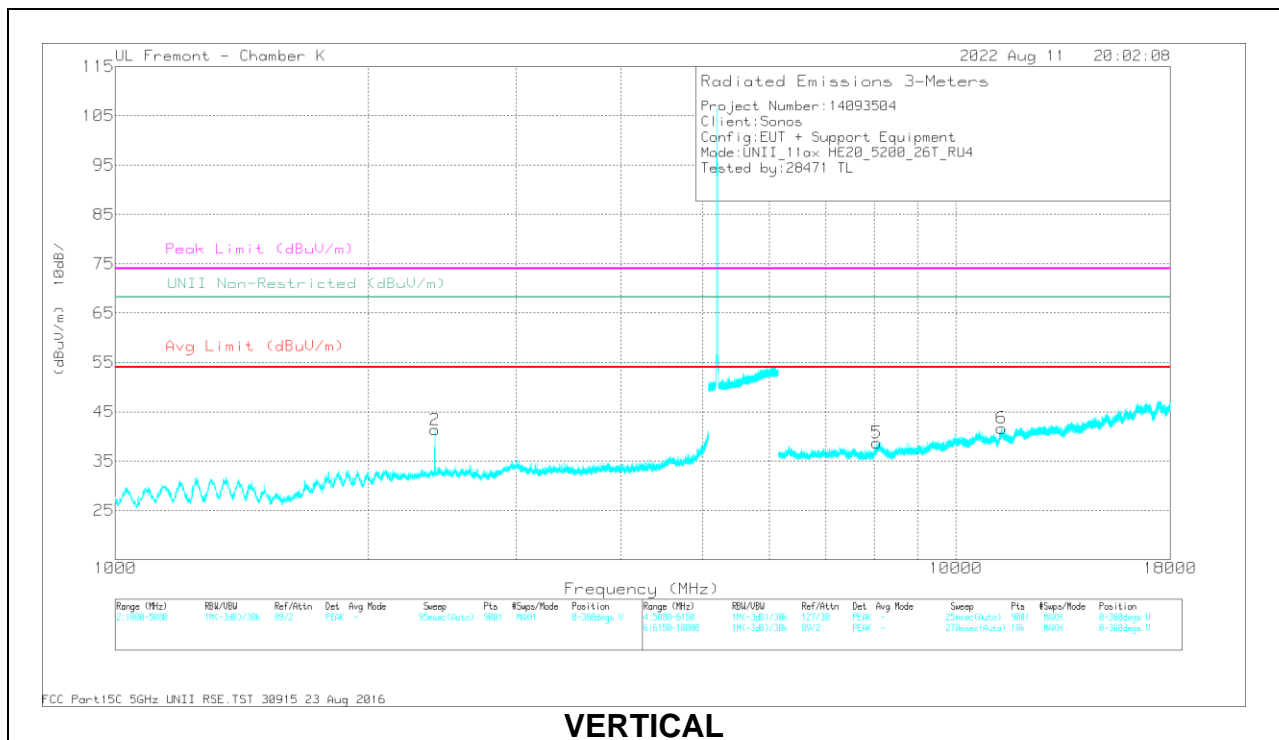
**2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 4**

**HARMONICS AND SPURIOUS EMISSIONS**

**MID CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) -3mH	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2400.248	63.57	PK-U	32.5	-44.6	0	51.47	-	-	-	-	68.2	-16.73	280	146	H
2	2400.136	62.88	PK-U	32.5	-44.6	0	50.78	-	-	-	-	68.2	-17.42	18	105	V
3	* 8135.379	49.44	PK-U	35.8	-37.5	0	47.74	-	-	74	-26.26	-	-	246	201	H
	* 8136.705	38.05	ADR	35.8	-37.5	1.97	38.32	54	-15.68	-	-	-	-	246	201	H
4	* 11703.874	47.27	PK-U	38.4	-35.3	0	50.37	-	-	74	-23.63	-	-	291	273	H
	* 11704.589	35.52	ADR	38.4	-35.4	1.97	40.49	54	-13.51	-	-	-	-	291	273	H
5	* 8057.723	49.9	PK-U	35.8	-37.4	0	48.3	-	-	74	-25.7	-	-	291	395	V
	* 8059.928	37.59	ADR	35.8	-37.3	1.97	38.06	54	-15.94	-	-	-	-	291	395	V
6	* 11338.222	48.04	PK-U	38.1	-35.6	0	50.54	-	-	74	-23.46	-	-	214	239	V
	* 11339.257	36.44	ADR	38.1	-35.6	1.97	40.91	54	-13.09	-	-	-	-	214	239	V

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

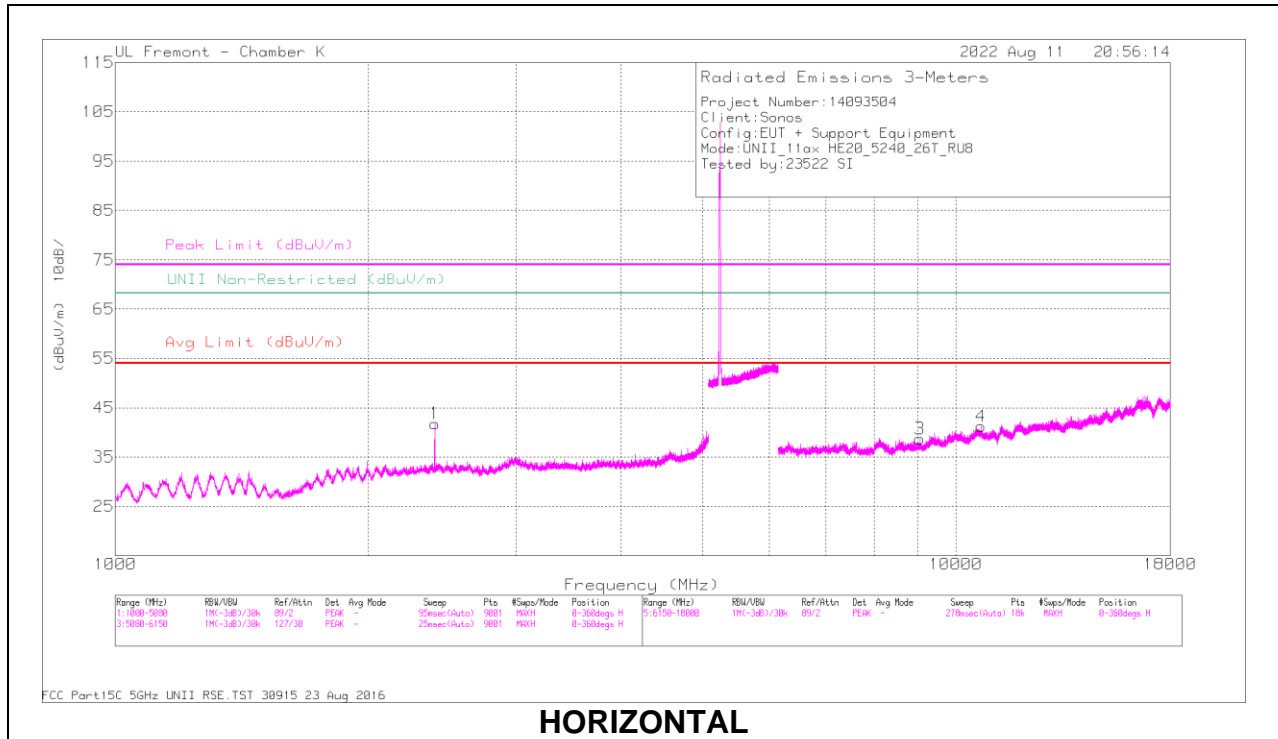
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

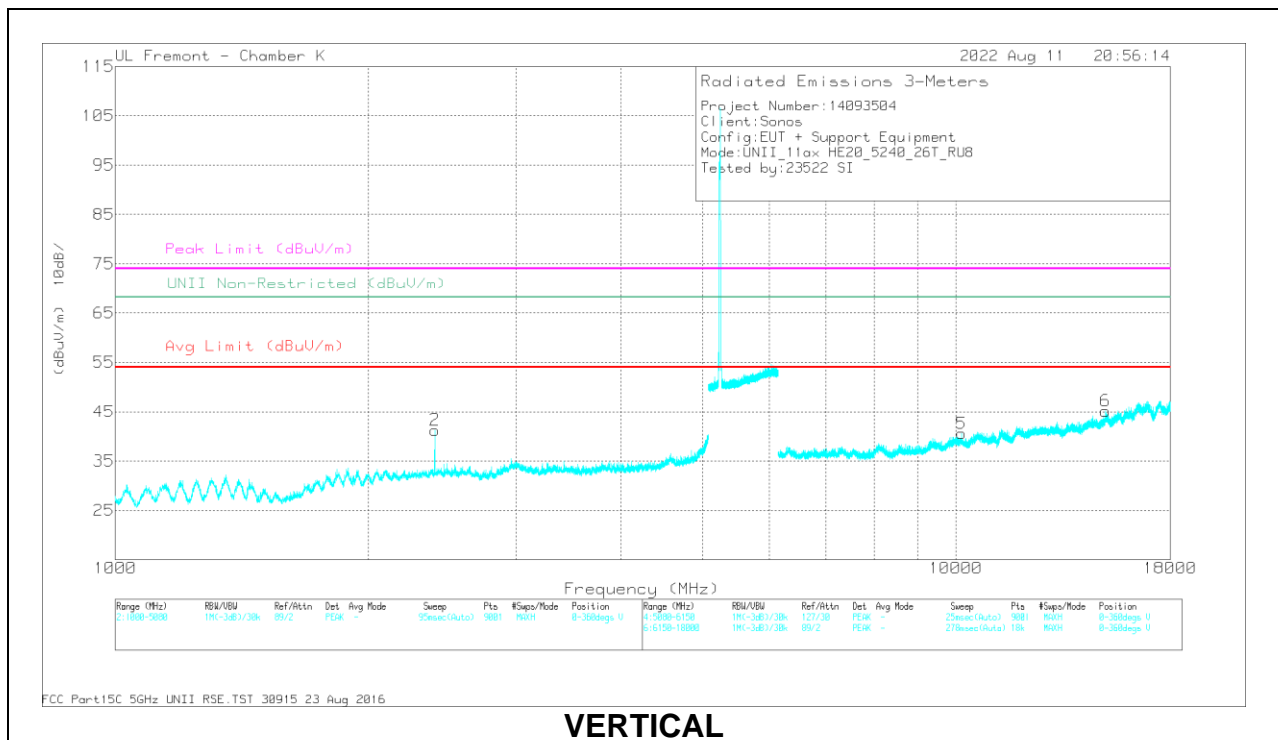
**2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 8**

**HARMONICS AND SPURIOUS EMISSIONS**

**HIGH CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) -3mH	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2400.21	64.03	PK-U	32.5	-44.6	0	51.93	-	-	-	-	68.2	-16.27	282	169	H
2	2399.892	62.61	PK-U	32.5	-44.6	0	50.51	-	-	-	-	68.2	-17.69	14	104	V
3	* 9062.276	48.34	PK-U	36.3	-36.9	0	47.74	-	-	74	-26.26	-	-	19	152	H
	* 9065.621	36.41	ADR	36.3	-37	1.97	37.68	54	-16.32	-	-	-	-	19	152	H
4	* 10719.96	49.29	PK-U	37.9	-36.4	0	50.79	-	-	74	-23.21	-	-	272	186	H
	* 10718.381	37	ADR	37.9	-36.5	1.97	40.37	54	-13.63	-	-	-	-	272	186	H
5	10155.535	48.72	PK-U	37.5	-36.7	0	49.52	-	-	-	-	68.2	-18.68	93	280	V
6	15069.32	47.3	PK-U	39.8	-33.9	0	53.2	-	-	-	-	68.2	-15	349	362	V

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

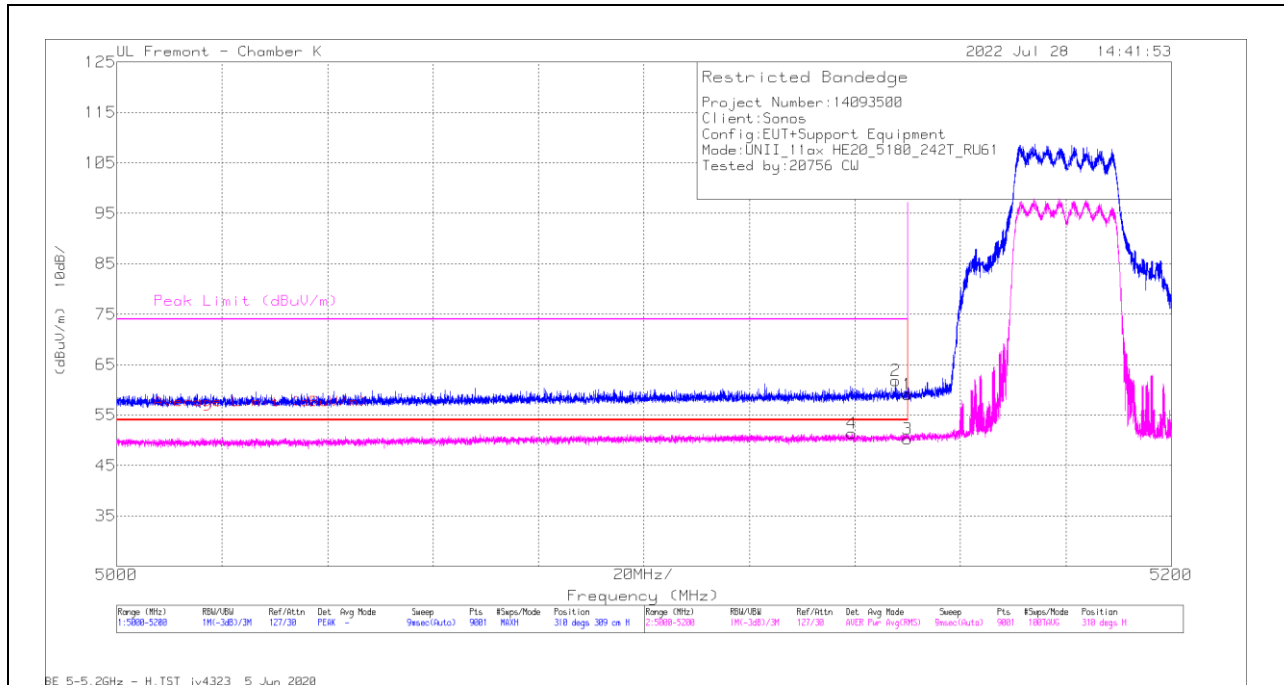
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**2TX Antenna 1 + Antenna 4 OFDMA MODE: 242-Tones, RU Index 61**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

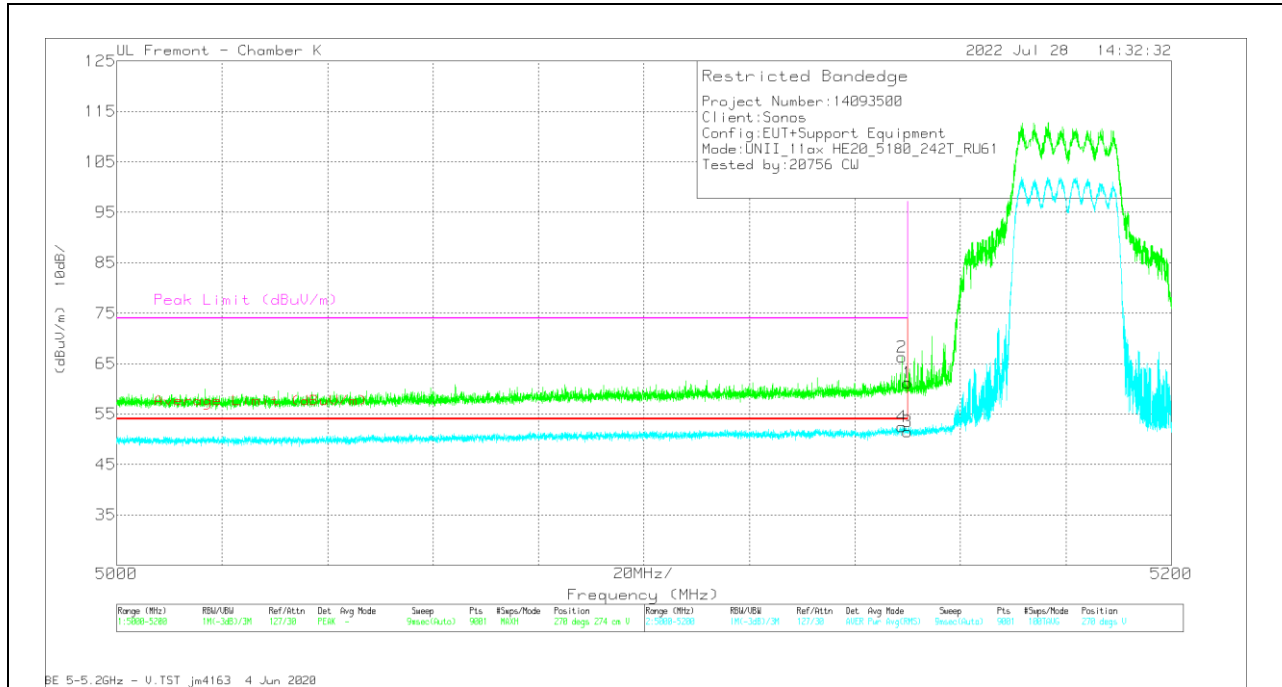


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cb/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	55.5	Pk	34.5	-30.9	0	59.1	-	-	74	-14.9	310	309	H
2	* 5147.71	58.11	Pk	34.5	-30.8	0	61.81	-	-	74	-12.19	310	309	H
3	* 5150	43.77	RMS	34.5	-30.9	2.93	50.3	54	-3.7	-	-	310	309	H
4	* 5139.376	44.7	RMS	34.5	-30.8	2.93	51.33	54	-2.67	-	-	310	309	H

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

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	57.64	Pk	34.5	-30.9	0	61.24	-	-	74	-12.76	270	274	V
2	* 5148.932	62.76	Pk	34.5	-30.9	0	66.36	-	-	74	-7.64	270	274	V
3	* 5150	45.01	RMS	34.5	-30.9	2.93	51.54	54	-2.46	-	-	270	274	V
4	* 5148.865	45.92	RMS	34.5	-30.9	2.93	52.45	54	-1.55	-	-	270	274	V

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

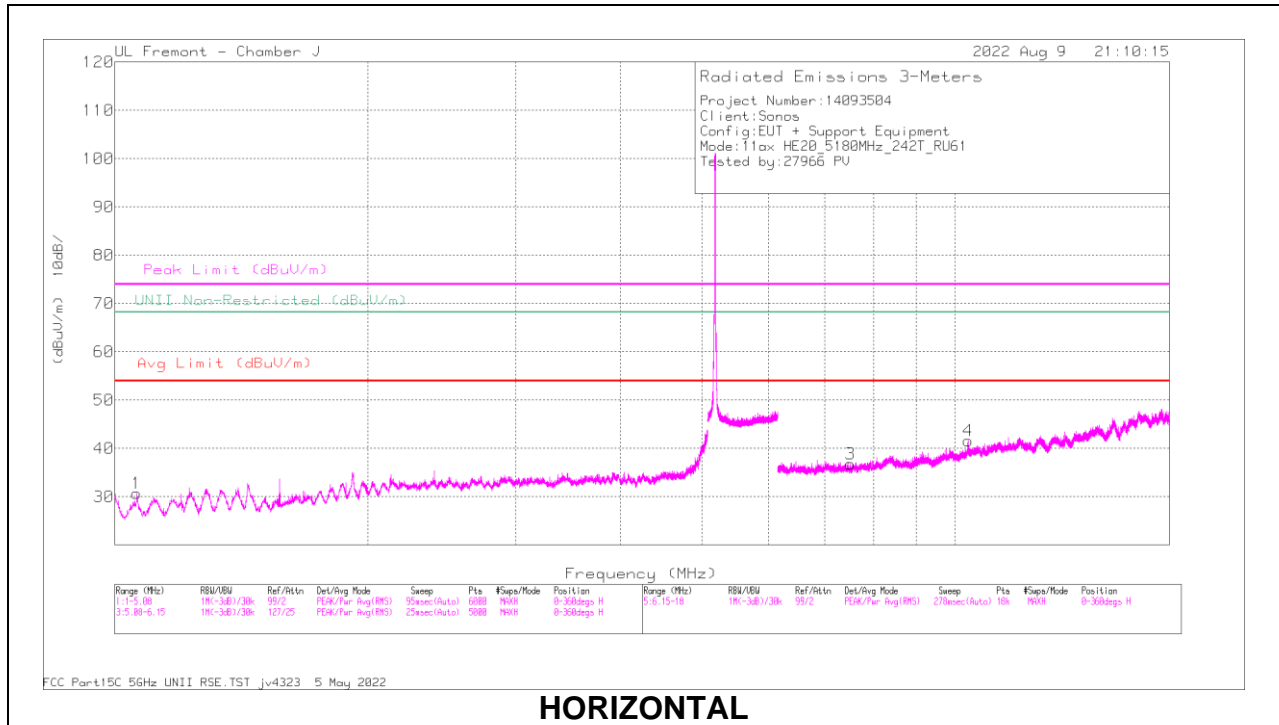
Pk - Peak detector

RMS - RMS detection

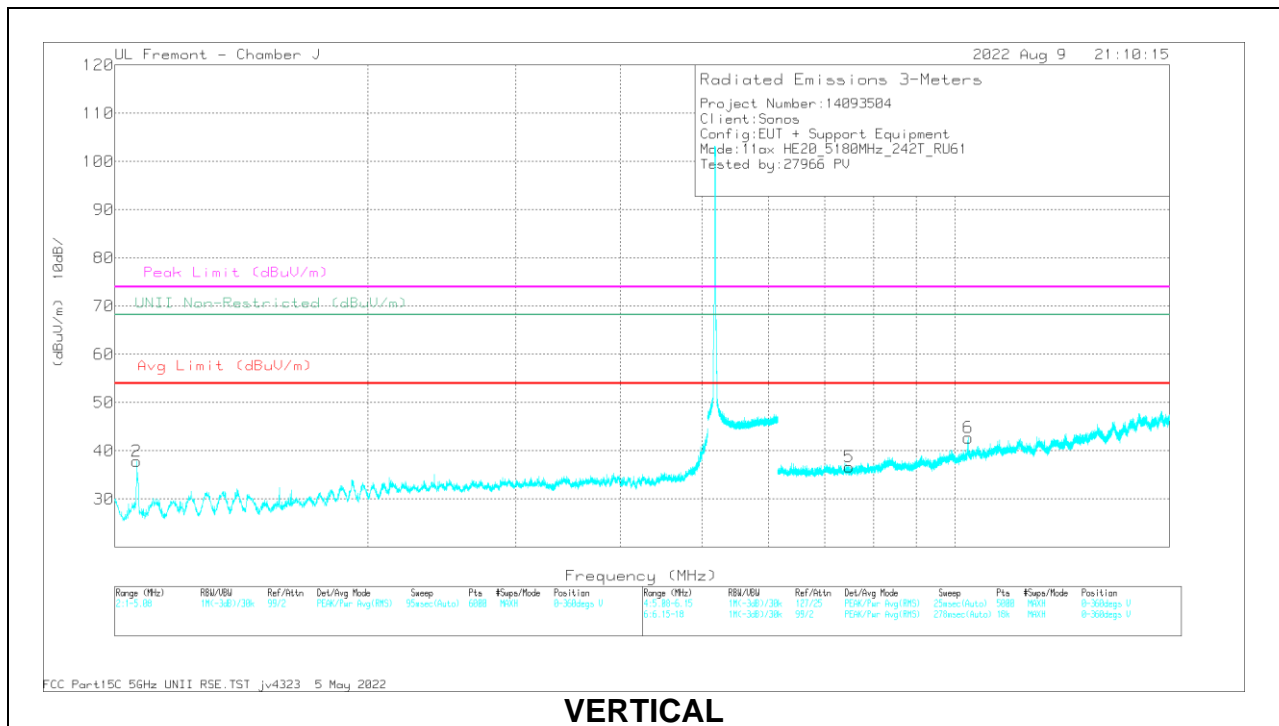


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



## HORIZONTAL



## VERTICAL

**RADIATED EMISSIONS**

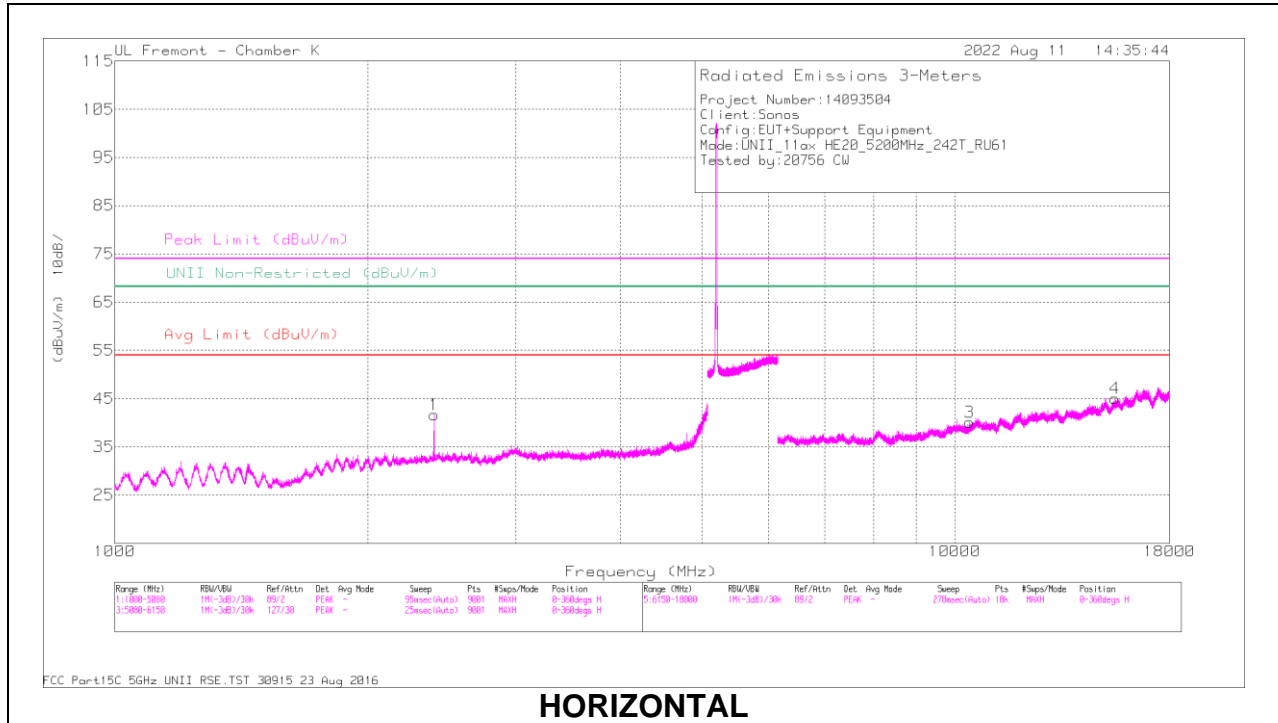
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206806 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1062.797	68.01	PK-U	26.8	-49.2	0	45.61	-	-	74	-28.39	-	-	330	109	H
	* 1062.781	51.73	ADR	26.8	-49.2	2.93	32.26	54	-21.74	-	-	-	-	330	109	H
2	* 1062.825	73.17	PK-U	26.8	-49.2	0	50.77	-	-	74	-23.23	-	-	166	102	V
	* 1063.345	55.88	ADR	26.8	-49.2	2.93	36.41	54	-17.59	-	-	-	-	166	102	V
3	* 7513.263	56.2	PK-U	35.7	-46	0	45.9	-	-	74	-28.1	-	-	257	109	H
	* 7513.311	44.48	ADR	35.7	-46	2.93	37.11	54	-16.89	-	-	-	-	257	109	H
4	10364.077	60.86	PK-U	37.5	-45.6	0	52.76	-	-	-	-	68.2	-15.44	302	211	H
5	* 7490.315	55.92	PK-U	35.7	-45.8	0	45.82	-	-	74	-28.18	-	-	303	189	V
	* 7490.219	44.04	ADR	35.7	-45.8	2.93	36.87	54	-17.13	-	-	-	-	303	189	V
6	10363.267	60.61	PK-U	37.5	-45.6	0	52.51	-	-	-	-	68.2	-15.69	5	115	V

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

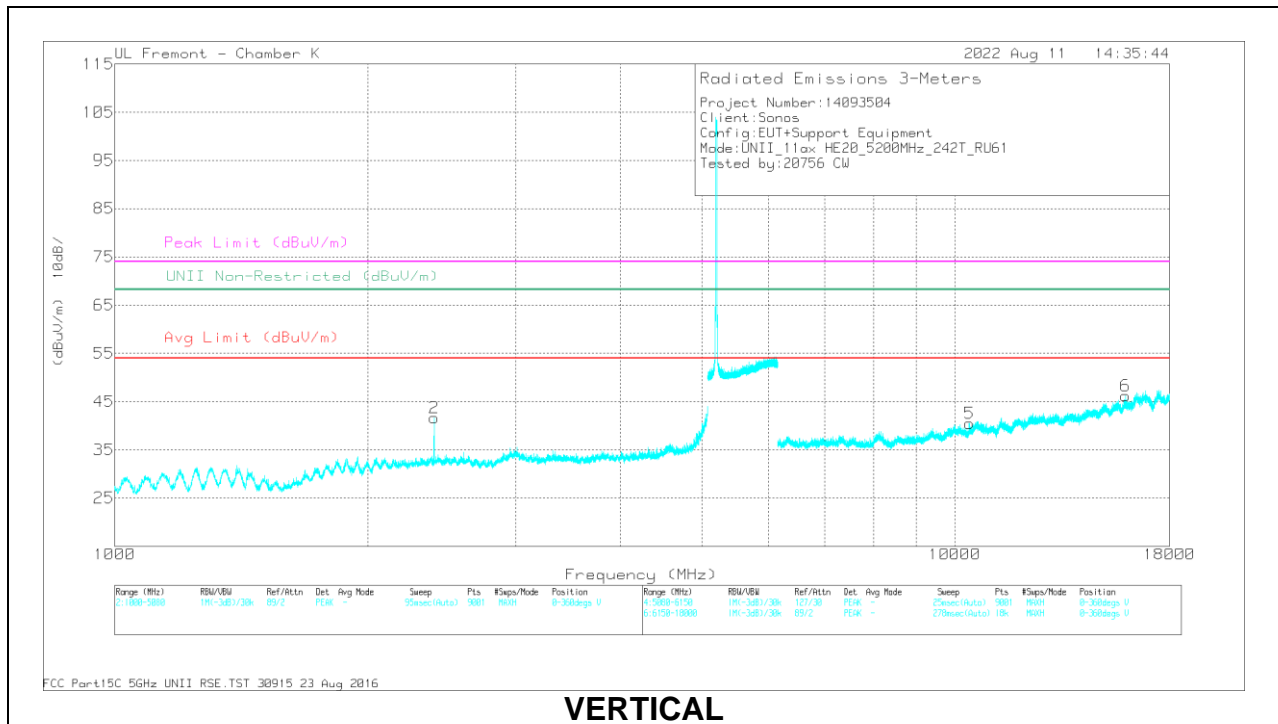
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**MID CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

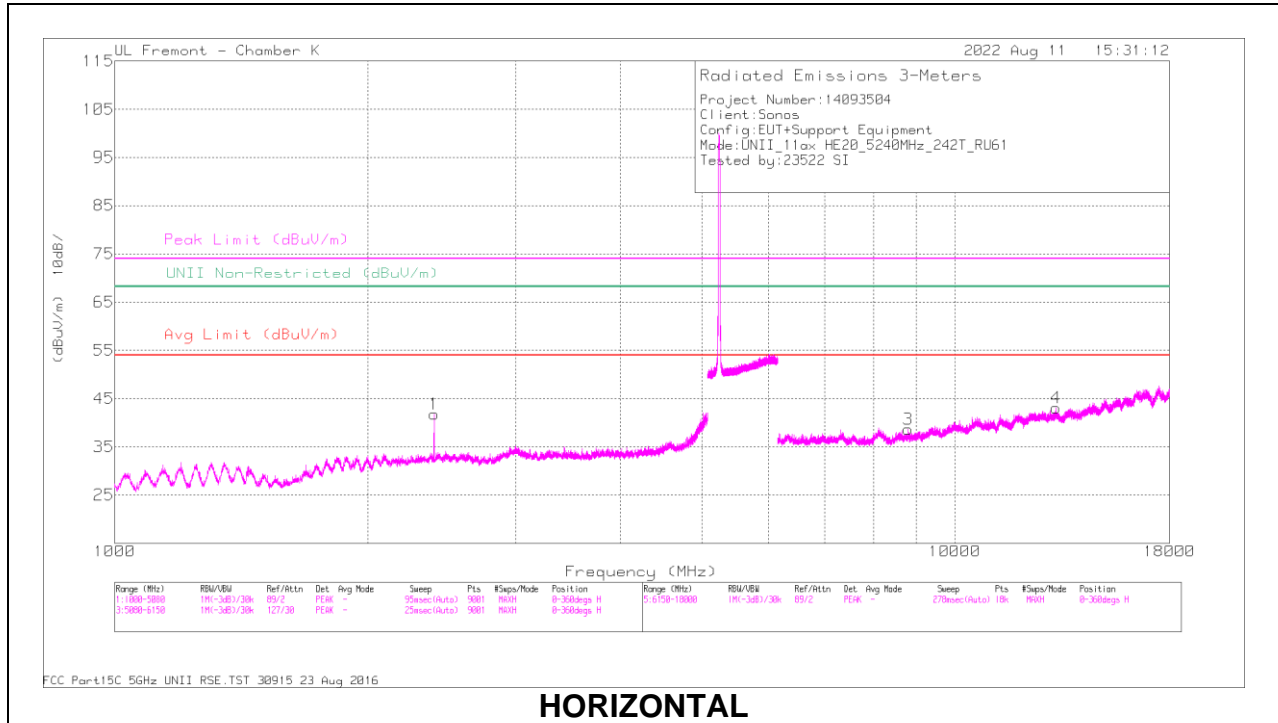
Markers	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2400.212	63.77	PK-U	32.5	-44.6	0	51.67	-	-	-	-	68.2	-16.53	281	142	H
2	2399.744	62.28	PK-U	32.5	-44.6	0	50.18	-	-	-	-	68.2	-18.02	14	104	V
3	10403.356	48.29	PK-U	37.7	-36.8	0	49.19	-	-	-	-	68.2	-19.01	229	327	H
4	* 15509.686	47.19	PK-U	40.4	-33.4	0	54.19	-	-	74	-19.81	-	-	124	380	H
	* 15509.602	35.22	ADR	40.4	-33.3	2.93	45.25	54	-8.75	-	-	-	-	124	380	H
5	10400.631	49.97	PK-U	37.7	-36.9	0	50.77	-	-	-	-	68.2	-17.43	257	145	V
6	* 15952.832	47.45	PK-U	41	-32.9	0	55.55	-	-	74	-18.45	-	-	333	349	V
	* 15952.833	35.03	ADR	41	-32.9	2.93	46.06	54	-7.94	-	-	-	-	333	349	V

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

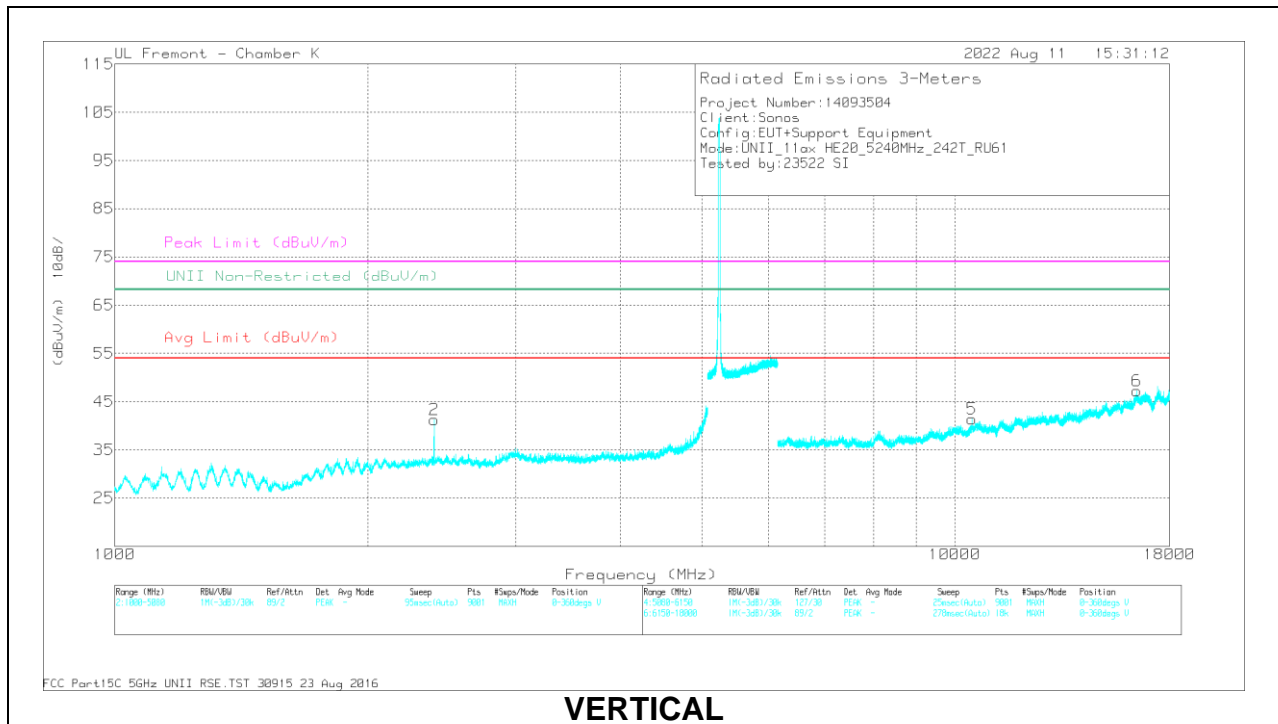
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**HIGH CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Filtr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2400	63.39	PK-U	32.5	-44.6	0	51.29	-	-	-	-	68.2	-16.91	280	146	H
2	2400.46	62.02	PK-U	32.5	-44.7	0	49.82	-	-	-	-	68.2	-18.38	13	105	V
3	8797.553	48.3	PK-U	36	-37	0	47.3	-	-	-	-	68.2	-20.9	212	285	H
4	13195.457	47.29	PK-U	39	-34.7	0	51.59	-	-	-	-	68.2	-16.61	146	240	H
5	10476.315	51.32	PK-U	37.8	-36.8	0	52.32	-	-	-	-	68.2	-15.88	123	187	V
6	16464.032	47.27	PK-U	41.5	-32.4	0	56.37	-	-	-	-	68.2	-11.83	353	265	V

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

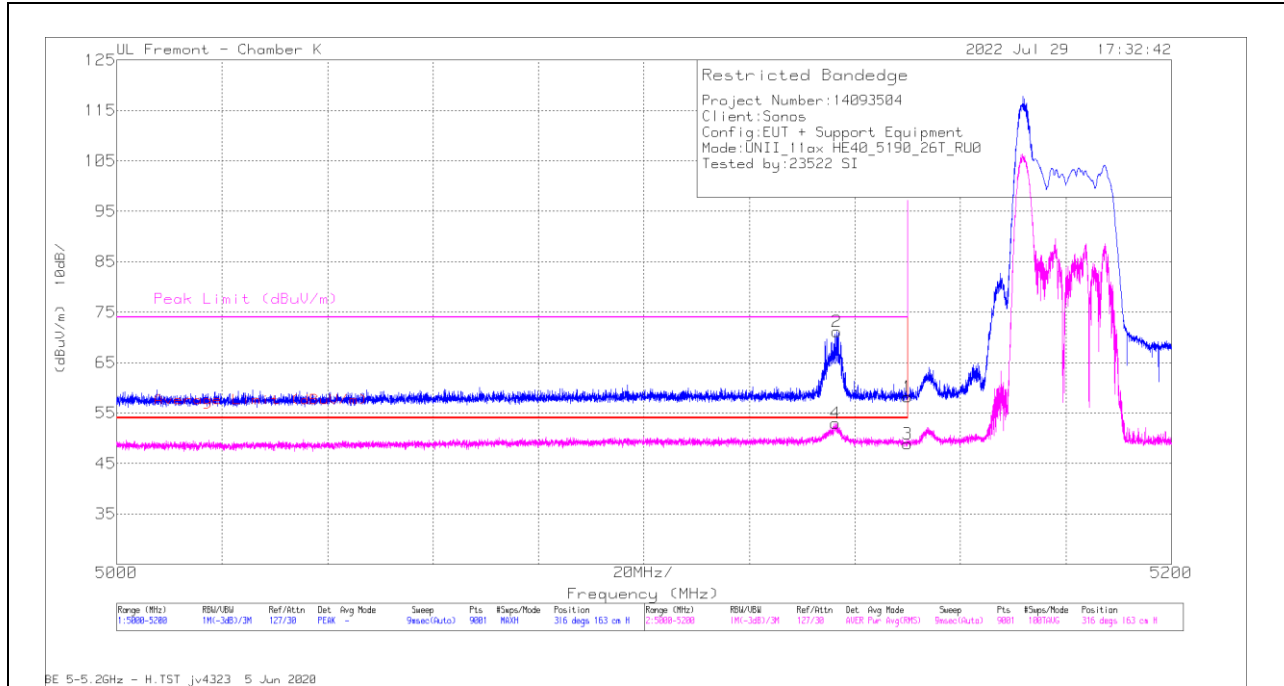
PK-U - U-NII: Maximum Peak

### 10.1.2. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.2GHz BAND

#### 2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 0

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



#### Trace Markers

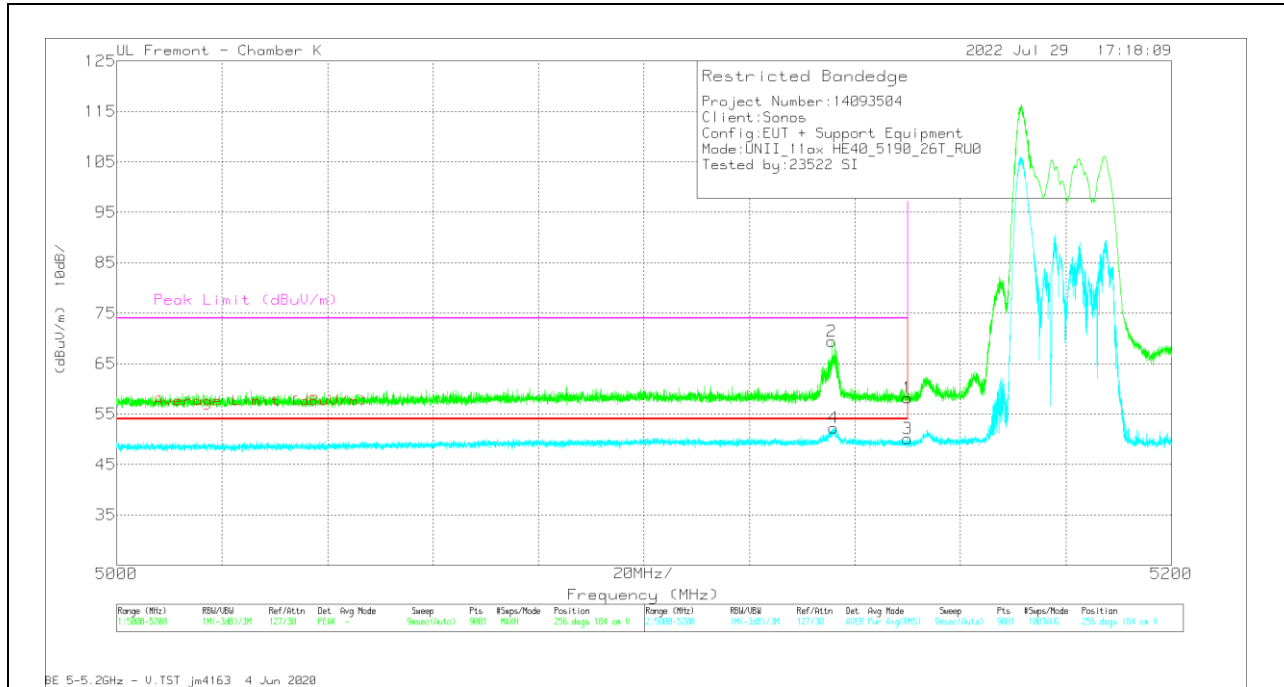
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	54.57	Pk	34.5	-30.9	0	58.17	-	-	74	-15.83	316	163	H
2	* 5136.488	67.5	Pk	34.5	-30.8	0	71.2	-	-	74	-2.8	316	163	H
3	* 5150	43.48	RMS	34.5	-30.9	1.84	48.92	54	-5.08	-	-	316	163	H
4	* 5136.288	47.41	RMS	34.5	-30.8	1.84	52.95	54	-1.05	-	-	316	163	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	54.66	Pk	34.5	-30.9	0	58.26	-	-	74	-15.74	256	184	V
2	* 5135.554	65.71	Pk	34.5	-30.8	0	69.41	-	-	74	-4.59	256	184	V
3	* 5150	44.69	RMS	34.5	-30.9	1.84	50.13	54	-3.87	-	-	256	184	V
4	* 5135.976	46.65	RMS	34.5	-30.8	1.84	52.19	54	-1.81	-	-	256	184	V

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

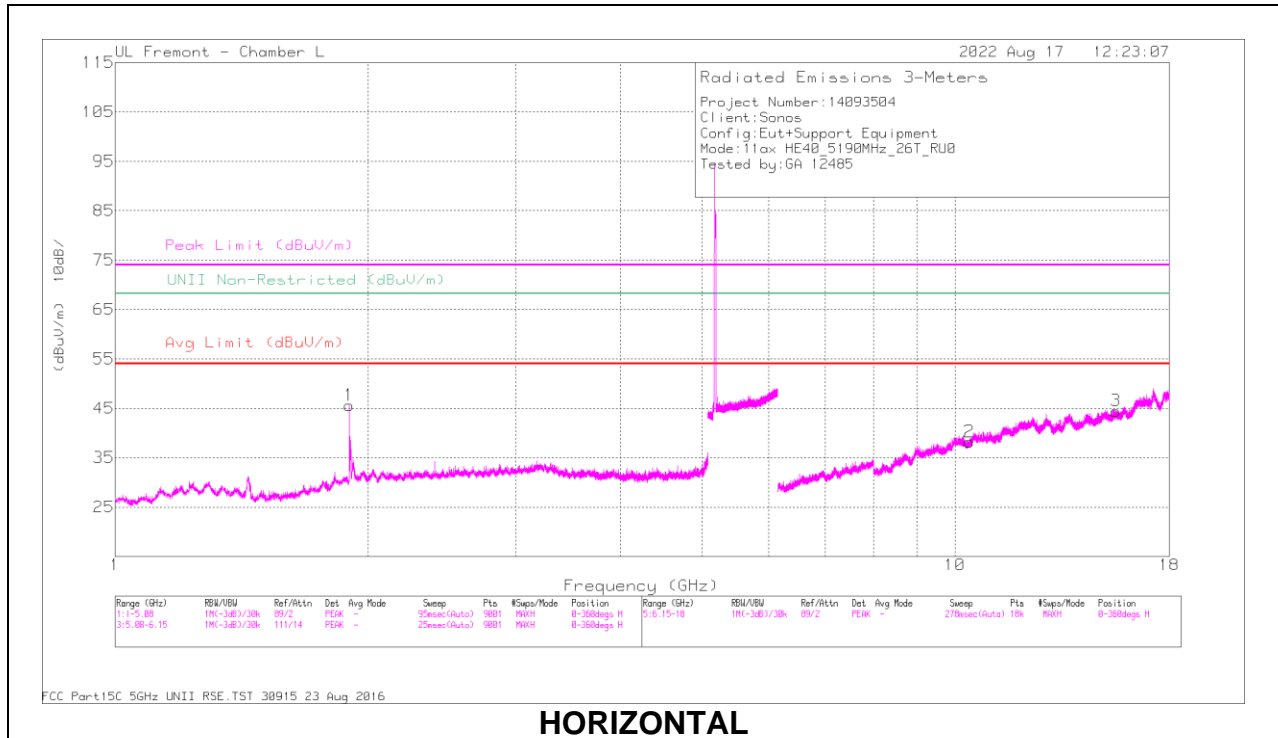
Pk - Peak detector

RMS - RMS detection

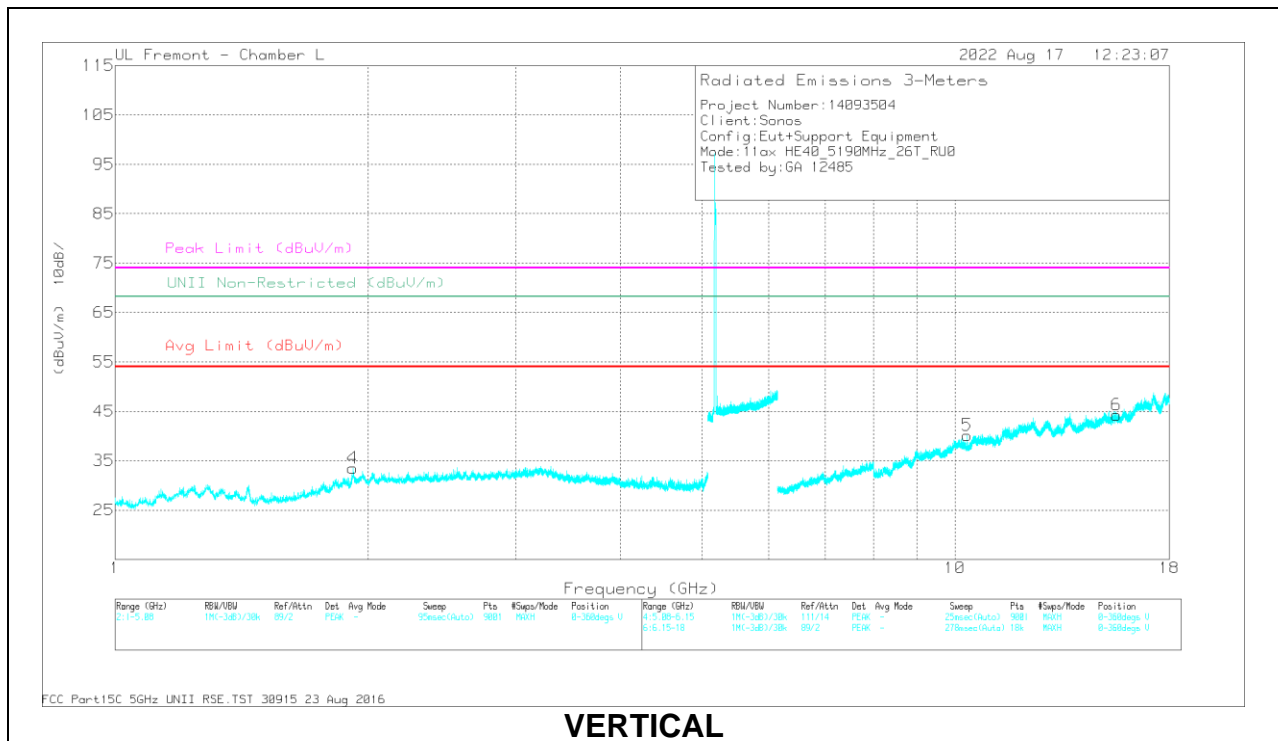


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



## HORIZONTAL



## VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Amp/Cbl/Filtr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.903035	52.61	PK-U	31.3	-31.3	0	52.61	-	-	-	-	68.2	-15.59	133	130	H
2	10.399514	29.1	PK-U	37.6	-18.6	0	48.1	-	-	-	-	68.2	-20.1	294	297	H
3	* 15.556897	29.54	PK-U	40.6	-17.2	0	52.94	-	-	74	-21.06	-	-	255	141	H
	* 15.556801	17.99	ADR	40.6	-17.2	1.84	43.23	54	-10.77	-	-	-	-	255	141	H
4	1.920674	51.68	PK-U	31.5	-31.2	0	51.98	-	-	-	-	68.2	-16.22	27	349	V
5	10.343352	34.8	PK-U	37.6	-18.9	0	53.5	-	-	-	-	68.2	-14.7	219	119	V
6	* 15.571432	29.8	PK-U	40.6	-17.4	0	53	-	-	74	-21	-	-	294	179	V
	* 15.572247	17.95	ADR	40.6	-17.4	1.84	42.99	54	-11.01	-	-	-	-	294	179	V

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

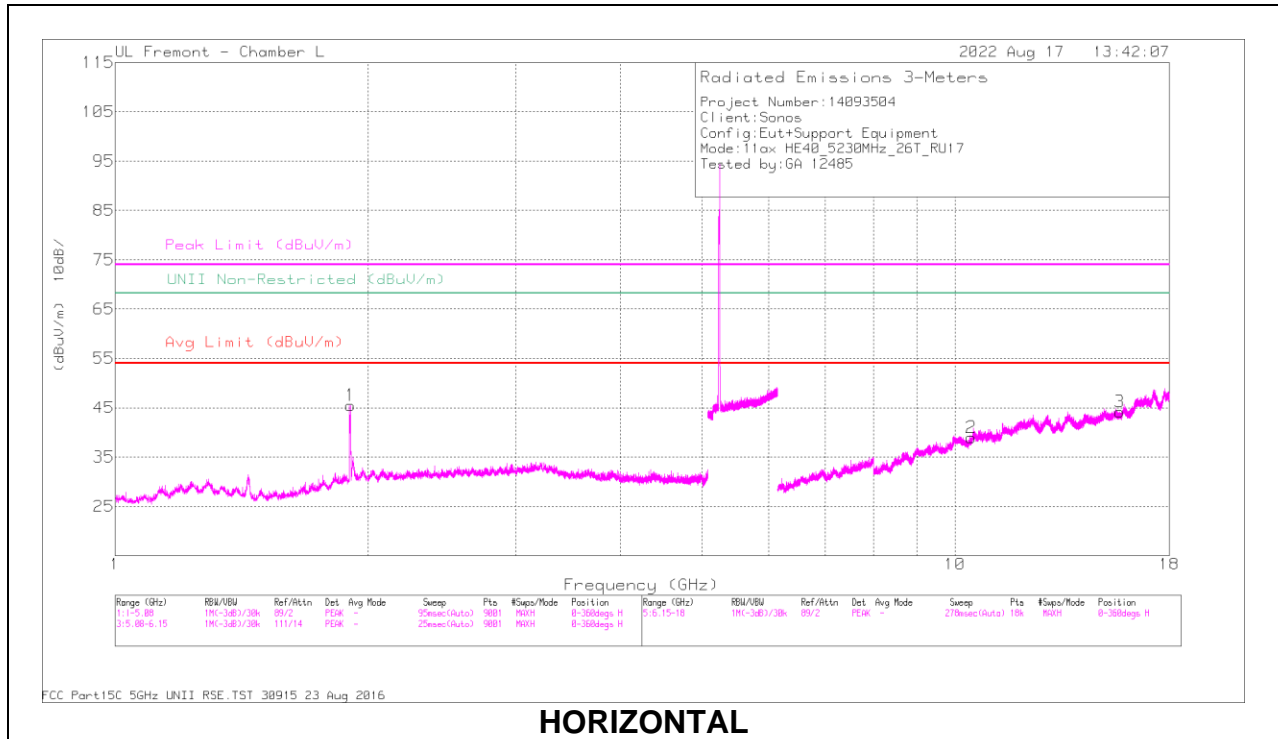
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

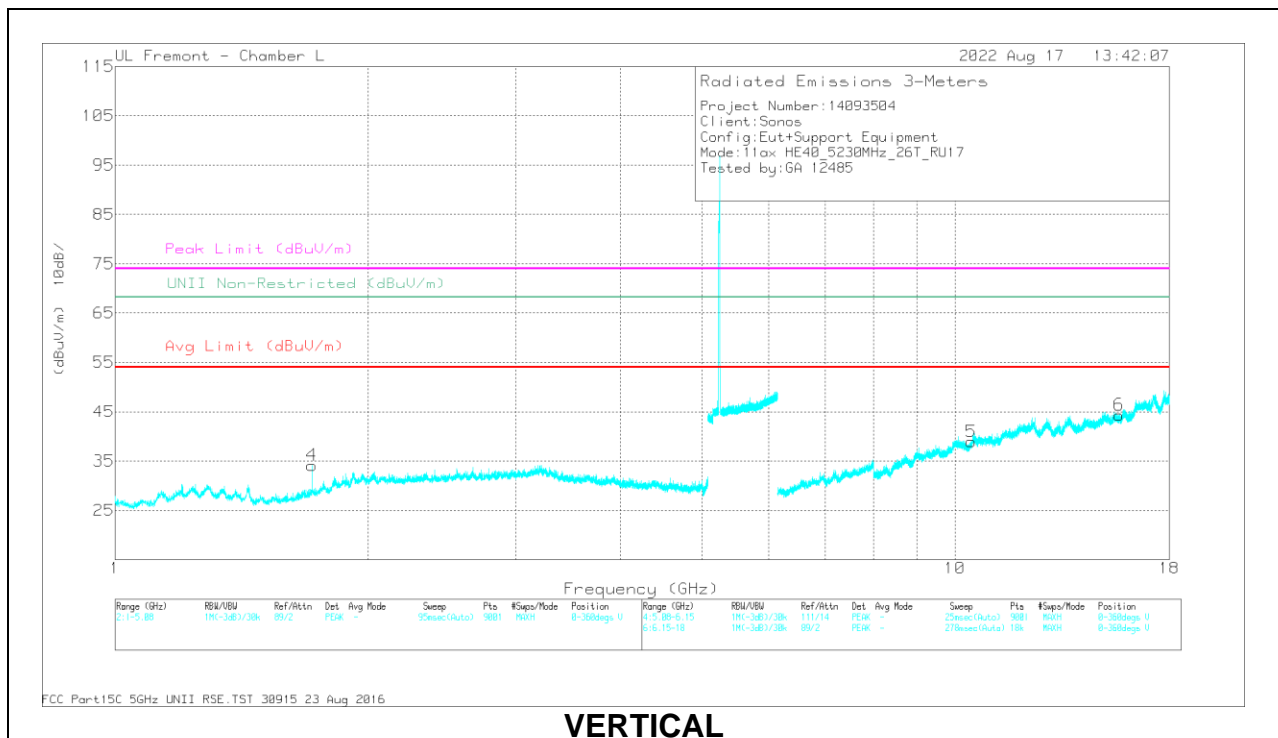
**2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 17**

**HARMONICS AND SPURIOUS EMISSIONS**

**HIGH CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Amp/Cbl/Filtr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.906108	46.72	PK-U	31.3	-31.3	0	46.72	-	-	-	-	68.2	-21.48	337	177	H
2	10.456057	30.48	PK-U	37.7	-19.1	0	49.08	-	-	-	-	68.2	-19.12	293	146	H
3	* 15.708202	30.78	PK-U	40.7	-18	0	53.48	-	-	74	-20.52	-	-	334	162	H
	* 15.706452	19.2	ADR	40.7	-18	1.84	43.74	54	-10.26	-	-	-	-	334	162	H
4	1.715789	41.31	PK-U	29.2	-31.6	0	38.91	-	-	-	-	68.2	-29.29	2	246	V
5	10.457203	30.71	PK-U	37.7	-19.1	0	49.31	-	-	-	-	68.2	-18.89	75	129	V
6	* 15.689189	31	PK-U	40.7	-18	0	53.7	-	-	74	-20.3	-	-	264	141	V
	* 15.690739	19.31	ADR	40.7	-18	1.84	43.85	54	-10.15	-	-	-	-	264	141	V

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

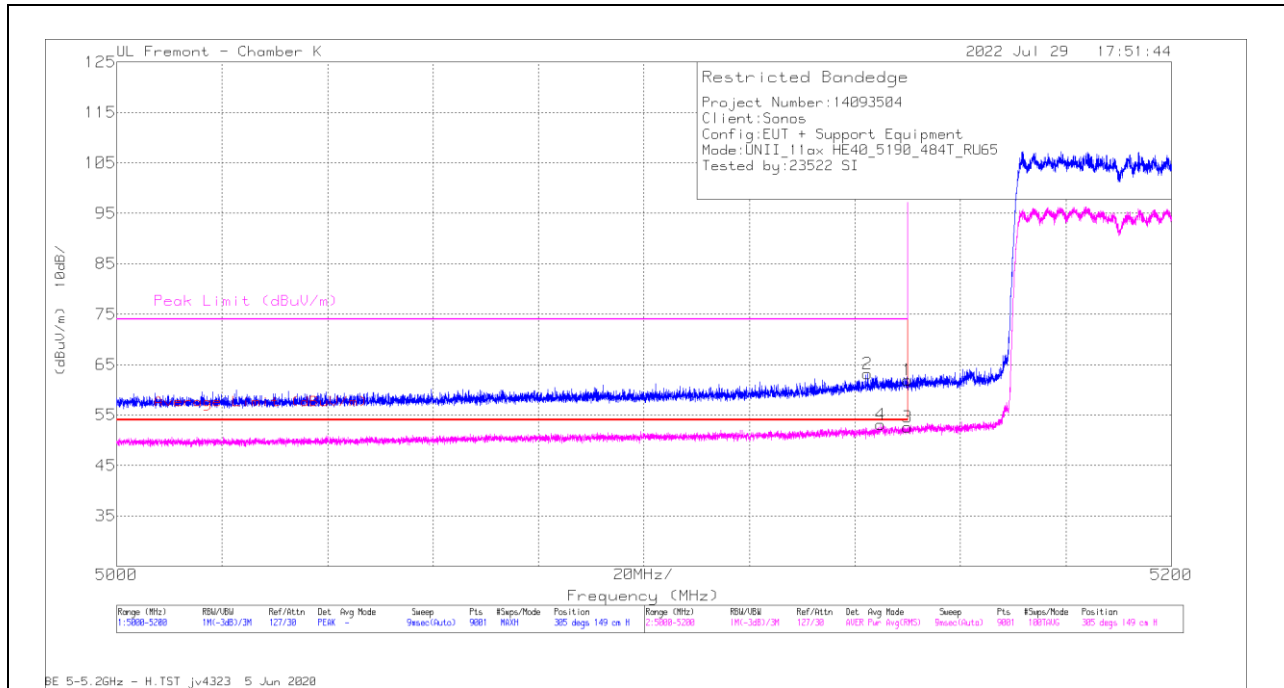
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**2TX Antenna 1 + Antenna 4 OFDMA MODE: 484-Tones, RU Index 65**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

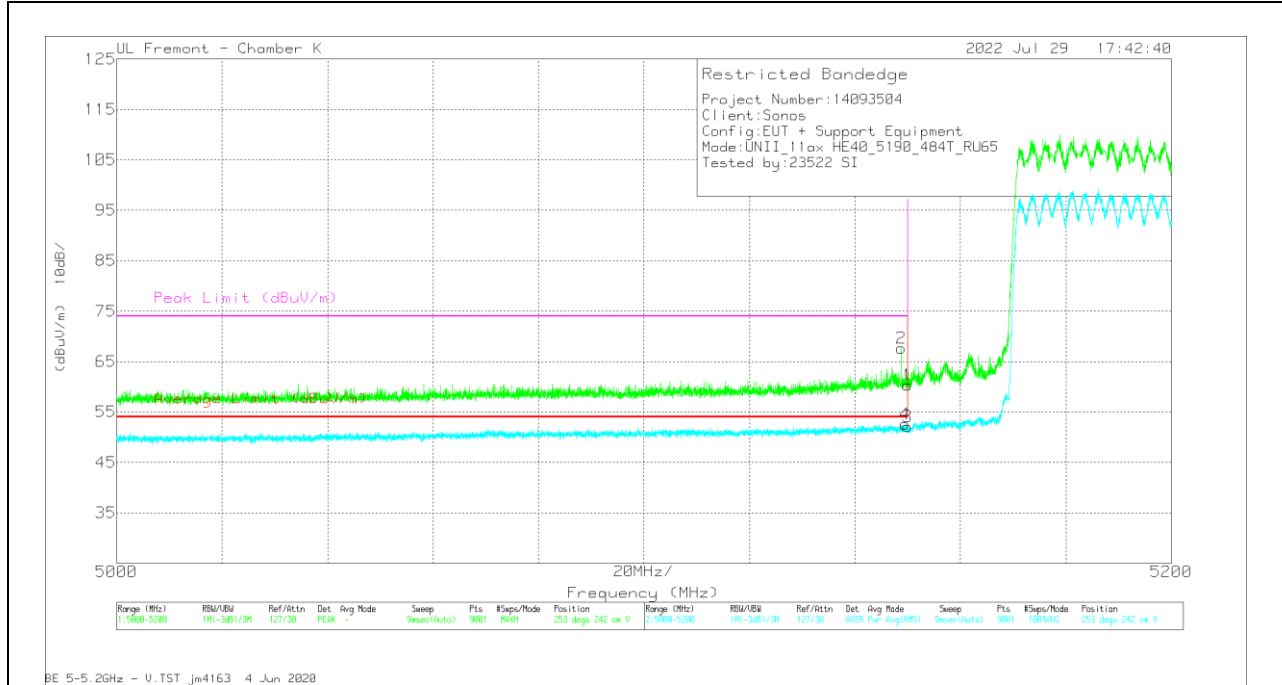


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cb/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	58.33	Pk	34.5	-30.9	0	61.93	-	-	74	-12.07	305	149	H
2	* 5142.399	59.65	Pk	34.5	-30.9	0	63.25	-	-	74	-10.75	305	149	H
3	* 5150	46.06	RMS	34.5	-30.9	2.96	52.62	54	-1.38	-	-	305	149	H
4	* 5144.887	46.46	RMS	34.5	-30.8	2.96	53.12	54	-0.88	-	-	305	149	H

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

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	56.68	Pk	34.5	-30.9	0	60.28	-	-	74	-13.72	253	242	V
2	* 5148.799	64.12	Pk	34.5	-30.9	0	67.72	-	-	74	-6.28	253	242	V
3	* 5150	45.62	RMS	34.5	-30.9	2.96	52.18	54	-1.82	-	-	253	242	V
4	* 5149.51	46.01	RMS	34.5	-30.9	2.96	52.57	54	-1.43	-	-	253	242	V

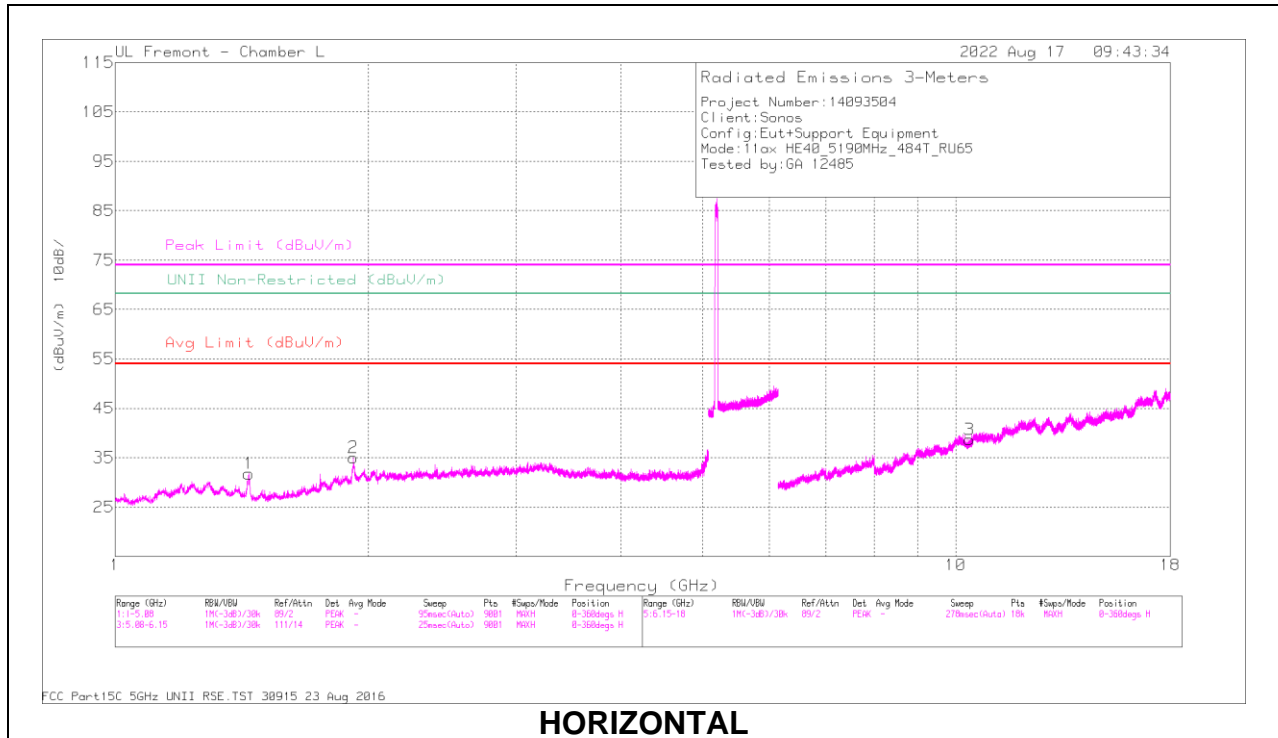
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

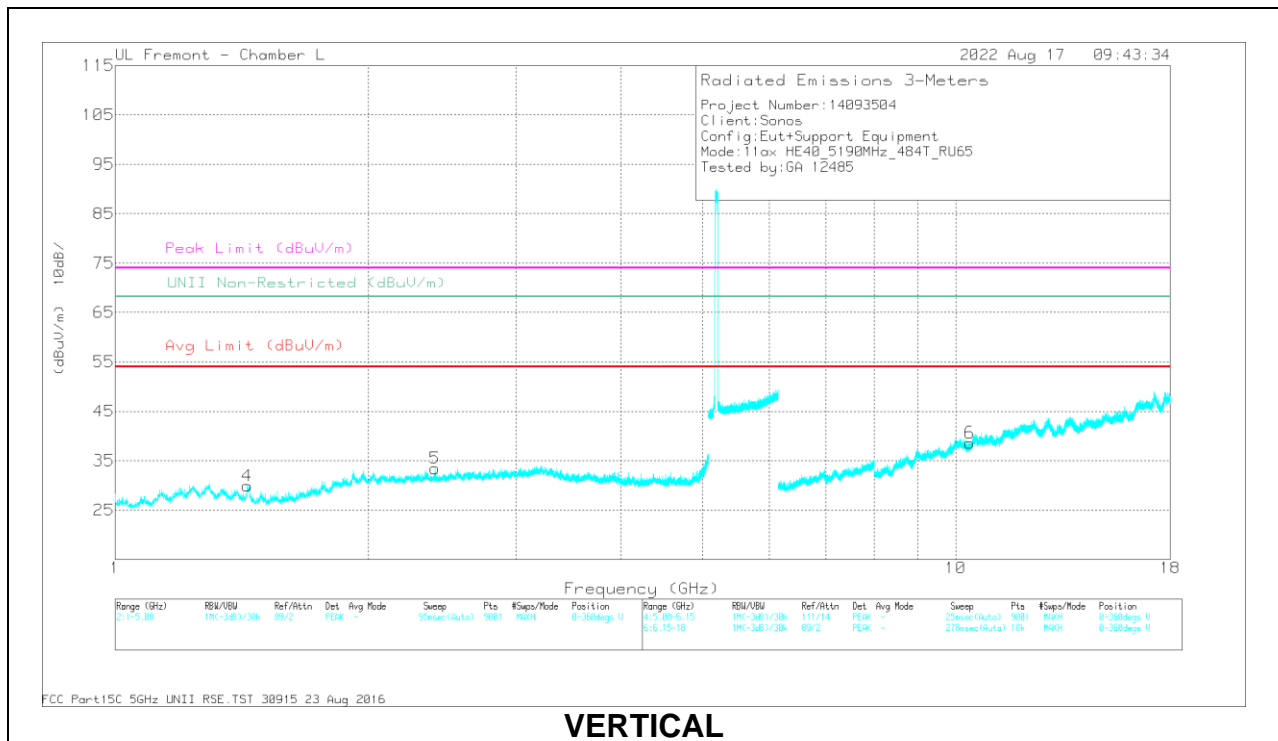
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



## HORIZONTAL



## VERTICAL

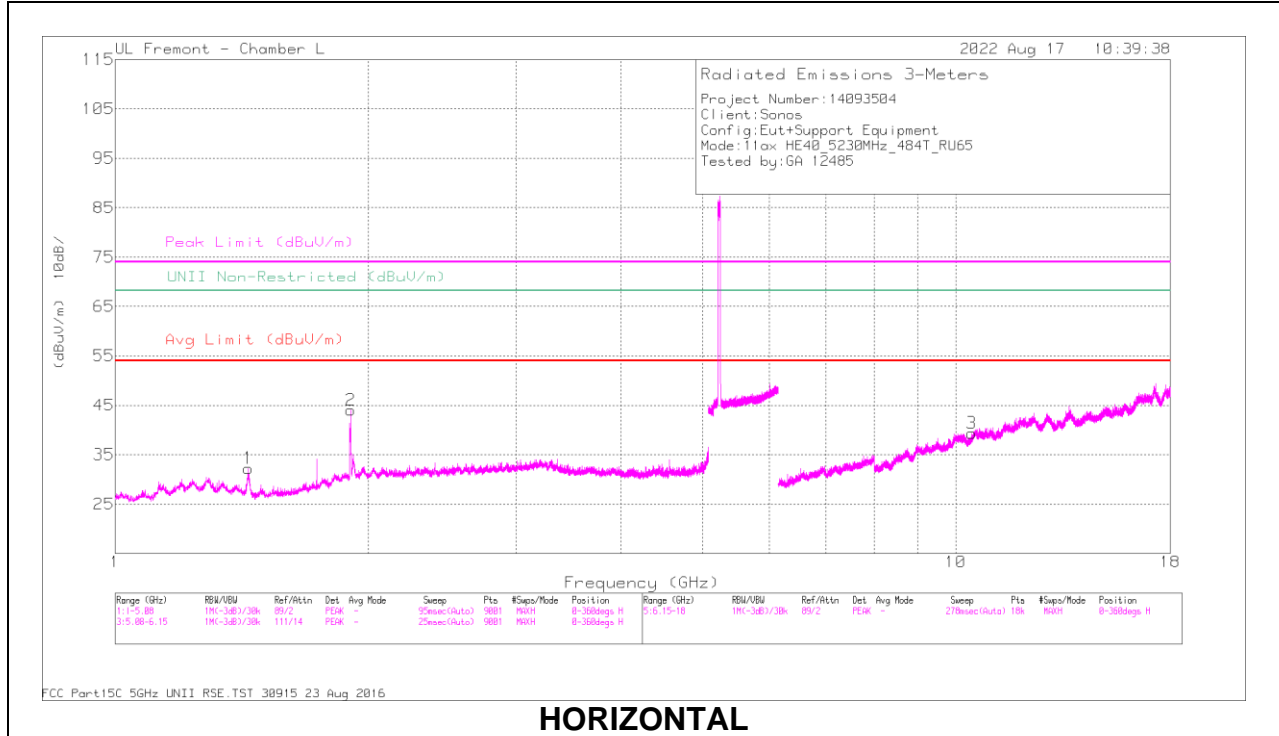
**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.439491	53.34	PK-U	28.4	-32.6	0	49.14	-	-	74	-24.86	-	-	13	260	H
	* 1.440246	33.19	ADR	28.4	-32.6	2.96	31.95	54	-22.05	-	-	-	-	13	260	H
2	1.919784	51.25	PK-U	31.5	-31.2	0	51.55	-	-	-	-	68.2	-16.65	349	174	H
3	10.379676	29.29	PK-U	37.7	-18.9	0	48.09	-	-	-	-	68.2	-20.11	338	151	H
4	* 1.436965	46.89	PK-U	28.5	-32.7	0	42.69	-	-	74	-31.31	-	-	257	257	V
	* 1.437069	31.92	ADR	28.5	-32.7	2.96	30.68	54	-23.32	-	-	-	-	257	257	V
5	2.401774	41.03	PK-U	32	-29.8	0	43.23	-	-	-	-	68.2	-24.97	241	105	V
6	10.393168	29.18	PK-U	37.7	-18.7	0	48.18	-	-	-	-	68.2	-20.02	297	131	V

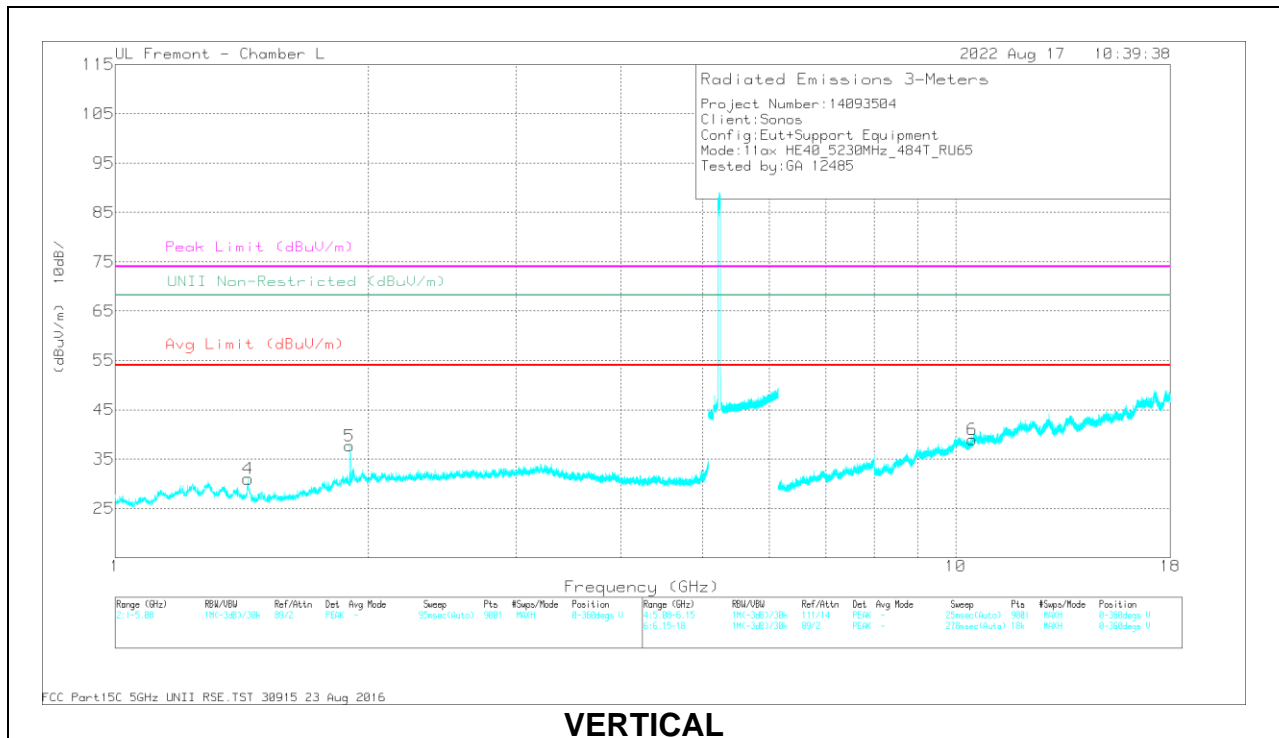
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average



**HIGH CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.439973	55.96	PK-U	28.4	-32.6	0	51.76	-	-	74	-22.24	-	-	350	207	H
	* 1.439883	35.05	ADR	28.4	-32.6	2.96	33.81	54	-20.19	-	-	-	-	350	207	H
2	1.920213	50.25	PK-U	31.5	-31.2	0	50.55	-	-	-	-	68.2	-17.65	42	129	H
3	10.446131	29.9	PK-U	37.7	-19.1	0	48.5	-	-	-	-	68.2	-19.7	131	150	H
4	* 1.439391	54.05	PK-U	28.4	-32.6	0	49.85	-	-	74	-24.15	-	-	328	213	V
	* 1.439196	33.02	ADR	28.4	-32.6	2.96	31.78	54	-22.22	-	-	-	-	328	213	V
5	1.901857	43.88	PK-U	31.3	-31.3	0	43.88	-	-	-	-	68.2	-24.32	284	289	V
6	10.465073	29.27	PK-U	37.7	-19	0	47.97	-	-	-	-	68.2	-20.23	350	159	V

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

PK-U - U-NII: Maximum Peak

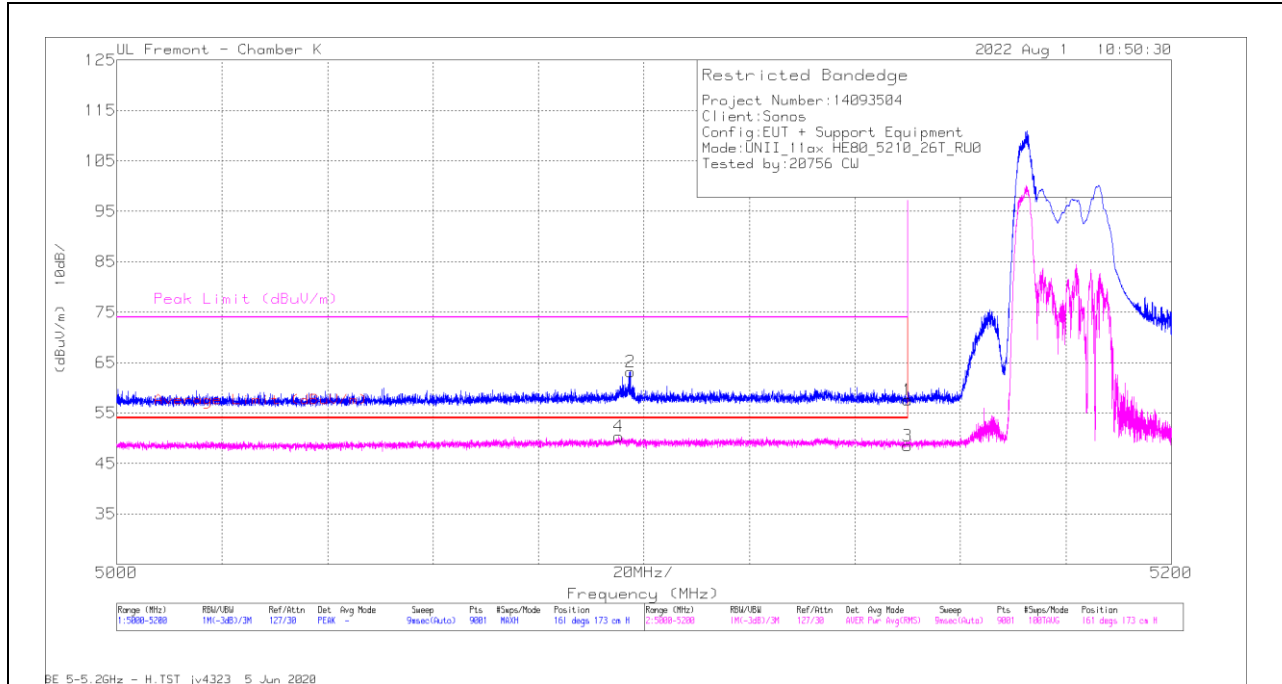
ADR - U-NII AD primary method, RMS average

### 10.1.3. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.2GHz BAND

#### 2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 0

#### BANDEDGE (MID CHANNEL)

#### HORIZONTAL RESULT



#### Trace Markers

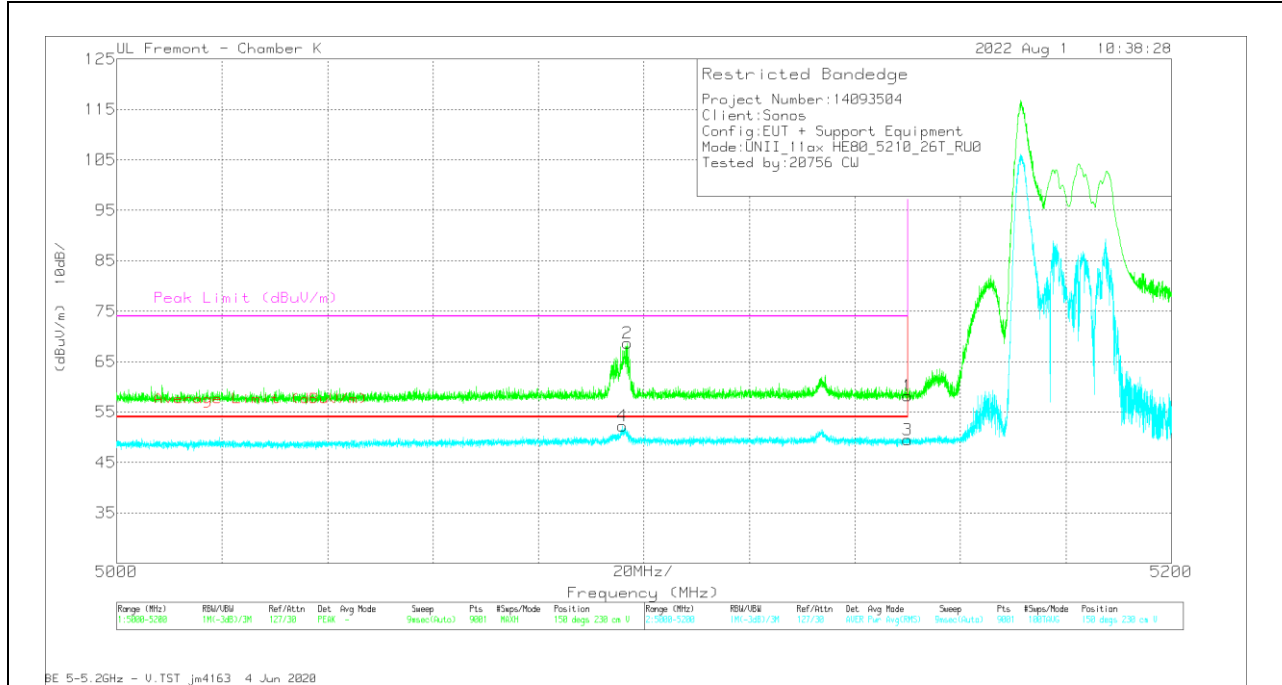
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	53.99	Pk	34.5	-30.9	0	57.59	-	-	74	-16.41	161	173	H
2	* 5097.466	59.65	Pk	34.5	-30.9	0	63.25	-	-	74	-10.75	161	173	H
3	* 5150	42.91	RMS	34.5	-30.9	2.01	48.52	54	-5.48	-	-	161	173	H
4	* 5095.221	44.76	RMS	34.5	-30.9	2.01	50.37	54	-3.63	-	-	161	173	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	54.6	Pk	34.5	-30.9	0	58.2	-	-	74	-15.8	150	230	V
2	* 5096.821	65.08	Pk	34.5	-30.9	0	68.68	-	-	74	-5.32	150	230	V
3	* 5150	43.99	RMS	34.5	-30.9	2.01	49.6	54	-4.4	-	-	150	230	V
4	* 5095.888	46.68	RMS	34.5	-30.9	2.01	52.29	54	-1.71	-	-	150	230	V

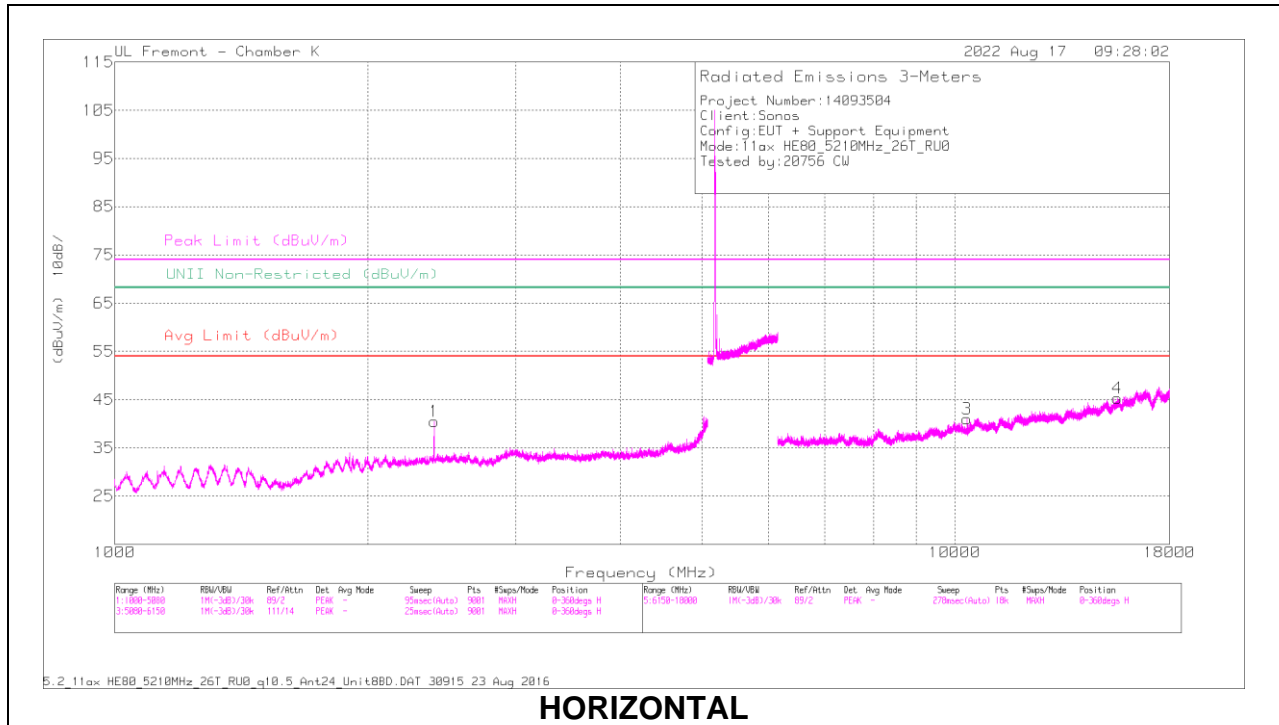
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

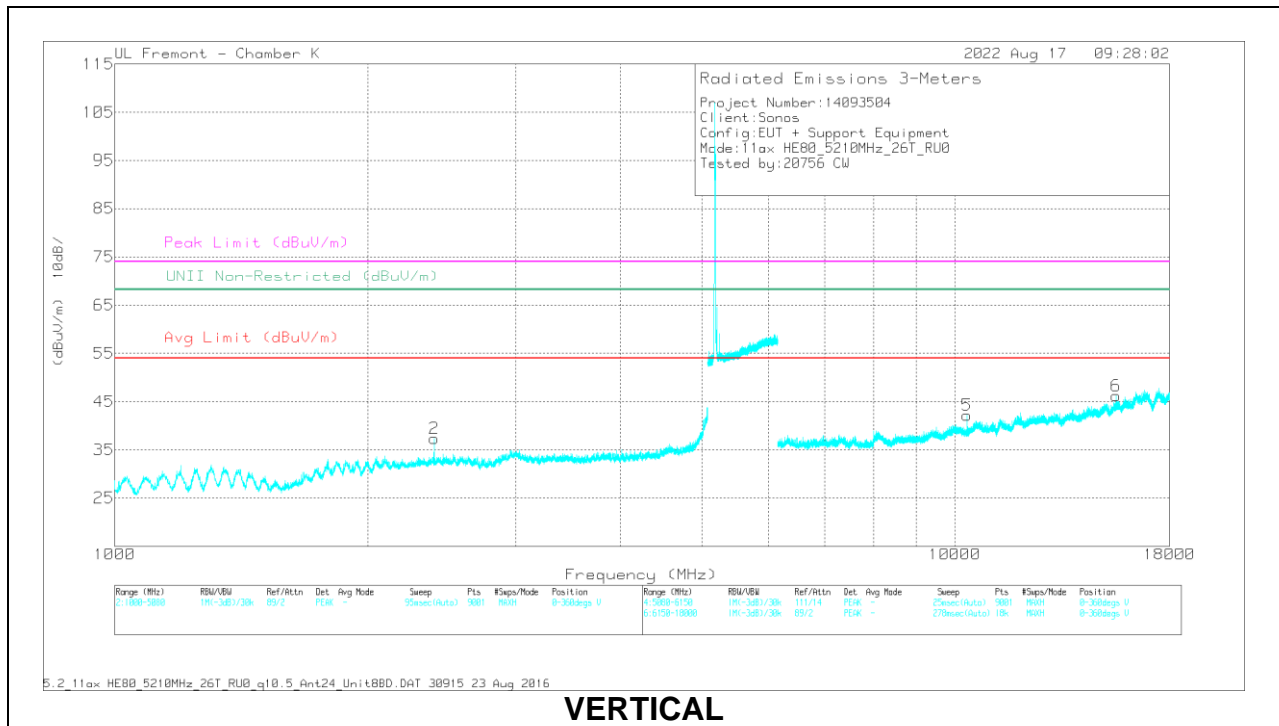
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## MID CHANNEL



## HORIZONTAL



## VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) -3mH	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2399.878	63.46	PK-U	32.5	-44.6	0	51.36	-	-	-	-	68.2	-16.84	98	222	H
2	2400.062	58.53	PK-U	32.5	-44.6	0	46.43	-	-	-	-	68.2	-21.77	59	325	V
3	10344.802	56.62	PK-U	37.6	-36.9	0	57.32	-	-	-	-	68.2	-10.88	289	215	H
4	* 15612.443	46.69	PK-U	40.5	-33	0	54.19	-	-	74	-19.81	-	-	338	167	H
	* 15612.364	35.15	ADR	40.5	-33	2.01	44.66	54	-9.34	-	-	-	-	338	167	H
5	10344.75	55.77	PK-U	37.6	-36.9	0	56.47	-	-	-	-	68.2	-11.73	142	98	V
6	* 15564.899	47.18	PK-U	40.4	-33.5	0	54.08	-	-	74	-19.92	-	-	57	222	V
	* 15565.002	35.49	ADR	40.4	-33.5	2.01	44.4	54	-9.6	-	-	-	-	57	222	V

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

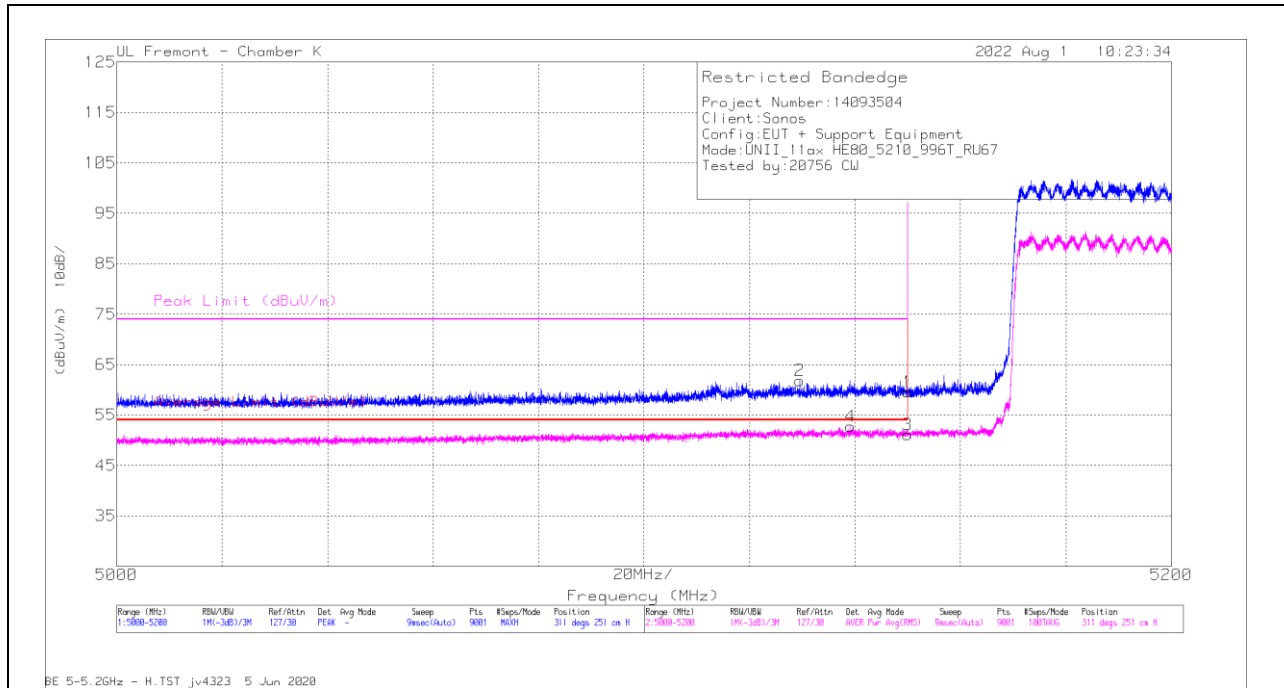
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**2TX Antenna 1 + Antenna 4 OFDMA MODE: 996-Tones, RU Index 67**

**BANDEDGE (MID CHANNEL)**

**HORIZONTAL RESULT**

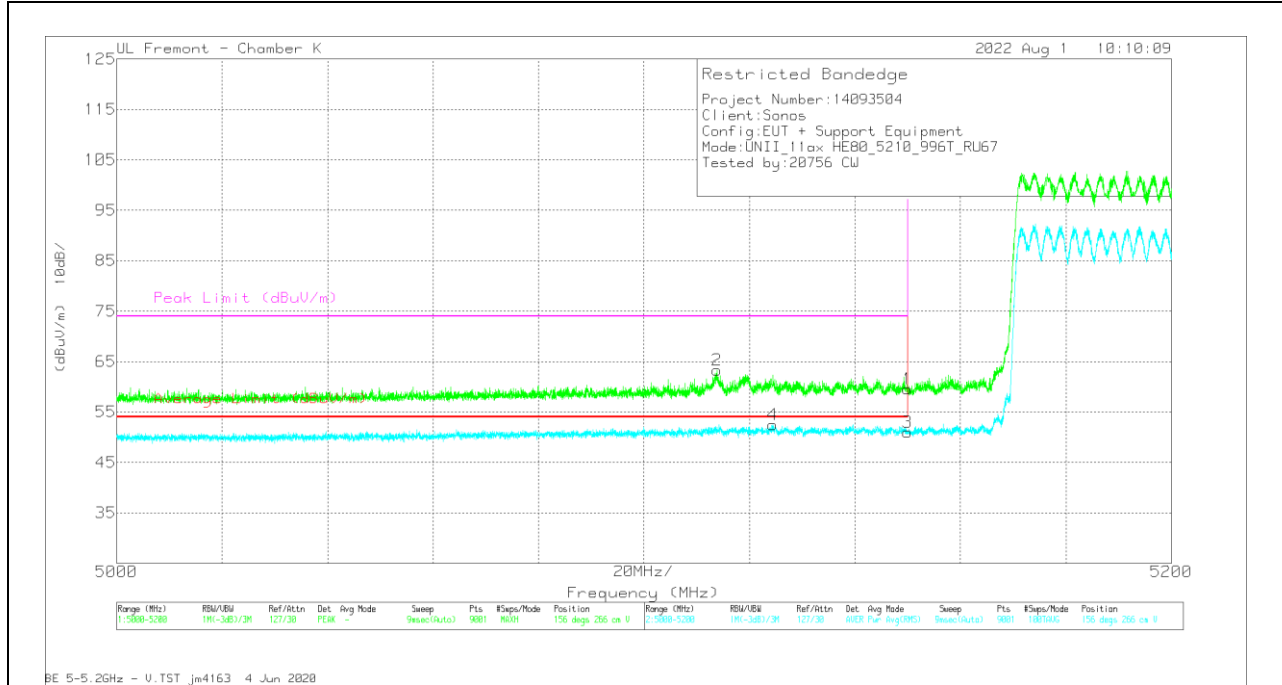


**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cb/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	55.99	Pk	34.5	-30.9	0	59.59	-	-	74	-14.41	311	251	H
2	* 5129.51	58.26	Pk	34.5	-30.9	0	61.86	-	-	74	-12.14	311	251	H
3	* 5150	44.27	RMS	34.5	-30.9	3.29	51.16	54	-2.84	-	-	311	251	H
4	* 5139.154	45.75	RMS	34.5	-30.8	3.29	52.74	54	-1.26	-	-	311	251	H

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

**VERTICAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	56.02	Pk	34.5	-30.9	0	59.62	-	-	74	-14.38	156	266	V
2	* 5113.821	59.56	Pk	34.5	-30.8	0	63.26	-	-	74	-10.74	156	266	V
3	* 5150	44.09	RMS	34.5	-30.9	3.29	50.98	54	-3.02	-	-	156	266	V
4	* 5124.465	45.56	RMS	34.5	-30.8	3.29	52.55	54	-1.45	-	-	156	266	V

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

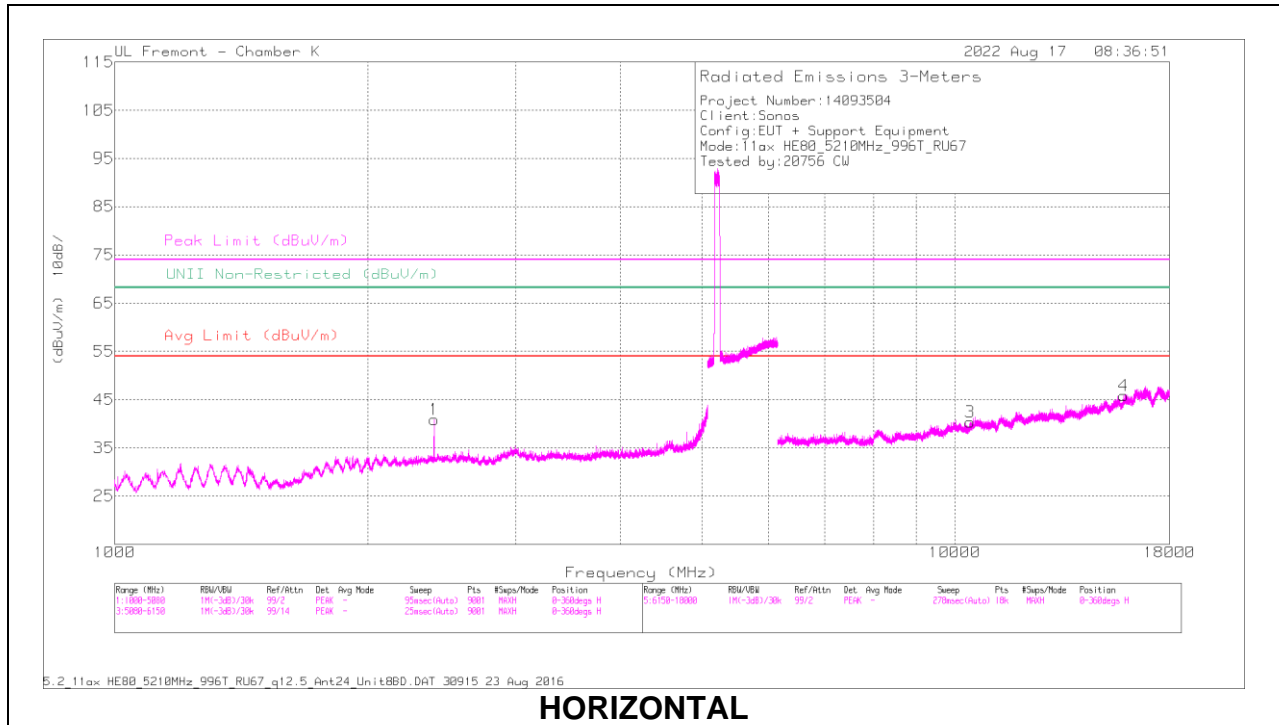
Pk - Peak detector

RMS - RMS detection

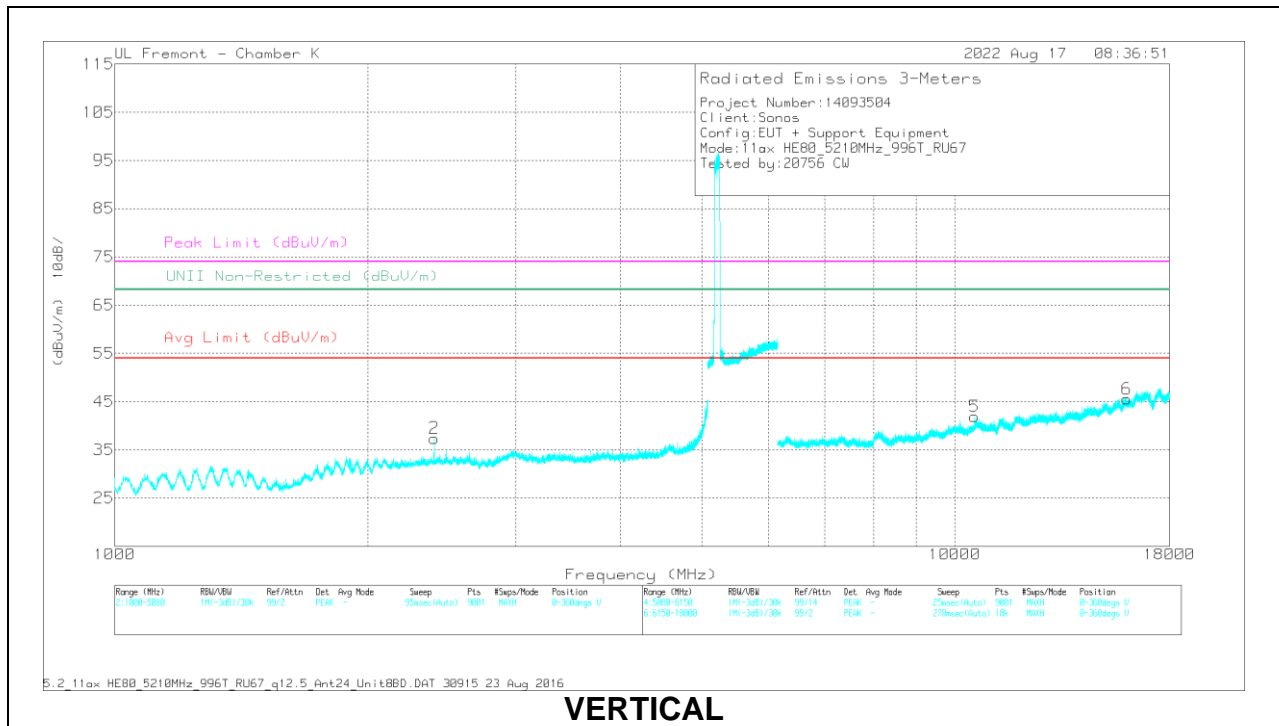


# HARMONICS AND SPURIOUS EMISSIONS

## MID CHANNEL



## HORIZONTAL



## VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) -3mH	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2400.084	63.09	PK-U	32.5	-44.6	0	50.99	-	-	-	-	68.2	-17.21	98	220	H
2	2400.092	59.23	PK-U	32.5	-44.6	0	47.13	-	-	-	-	68.2	-21.07	59	324	V
3	10432.015	48.68	PK-U	37.7	-36.7	0	49.68	-	-	-	-	68.2	-18.52	106	172	H
4	* 15891.48	47.45	PK-U	40.9	-32.8	0	55.55	-	-	74	-18.45	-	-	351	314	H
	* 15891.665	34.55	ADR	40.9	-32.8	3.29	45.94	54	-8.06	-	-	-	-	351	314	H
5	10558.19	50.27	PK-U	37.9	-36.8	0	51.37	-	-	-	-	68.2	-16.83	140	375	V
6	* 16012.489	47.55	PK-U	41.1	-33.3	0	55.35	-	-	74	-18.65	-	-	322	250	V
	* 16012.572	35.33	ADR	41.1	-33.3	3.29	46.42	54	-7.58	-	-	-	-	322	250	V

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

PK-U - U-NII: Maximum Peak

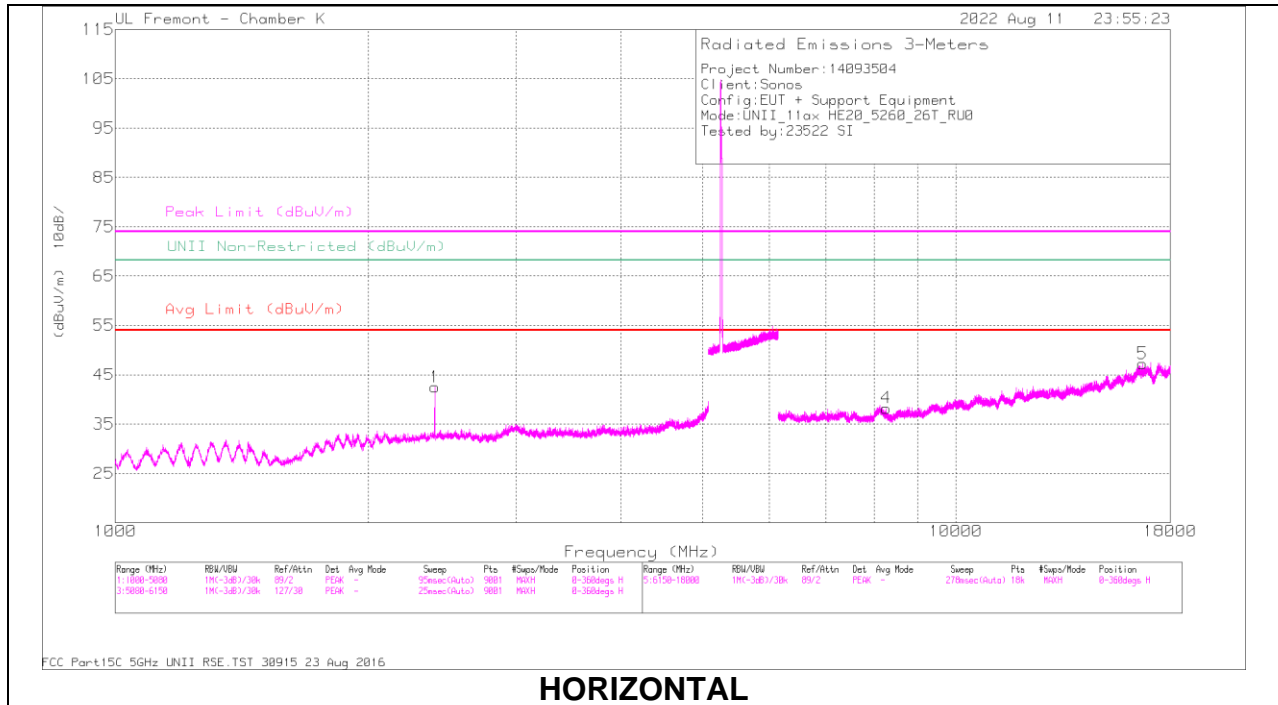
ADR - U-NII AD primary method, RMS average

### 10.1.4. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.3GHz BAND

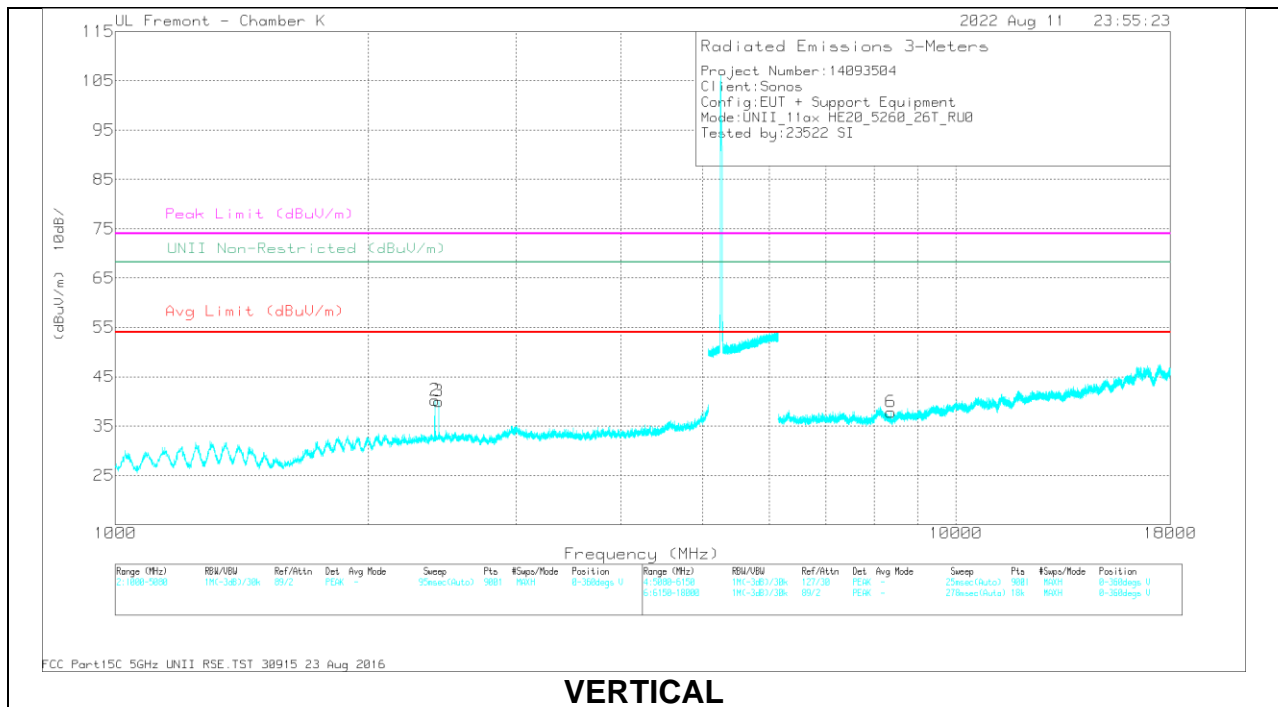
#### 2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 0

#### HARMONICS AND SPURIOUS EMISSIONS

##### LOW CHANNEL



##### HORIZONTAL



##### VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2400.002	64.38	PK-U	32.5	-44.6	0	52.28	-	-	-	-	68.2	-15.92	283	171	H
2	2400.388	62.07	PK-U	32.5	-44.7	0	49.87	-	-	-	-	68.2	-18.33	8	106	V
3	2425.57	55.75	PK-U	32.5	-44.6	0	43.65	-	-	-	-	68.2	-24.55	0	272	V
4	* 8263.16	49.29	PK-U	35.7	-37.3	0	47.69	-	-	74	-26.31	-	-	113	363	H
	* 8262.996	37.14	ADR	35.7	-37.3	1.97	37.51	54	-16.49	-	-	-	-	113	363	H
5	16684.402	47.07	PK-U	42	-32.7	0	56.37	-	-	-	-	68.2	-11.83	86	267	H
6	* 8371.667	48.5	PK-U	35.7	-37.5	0	46.7	-	-	74	-27.3	-	-	108	353	V
	* 8372.443	36.7	ADR	35.7	-37.5	1.97	36.87	54	-17.13	-	-	-	-	108	353	V

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

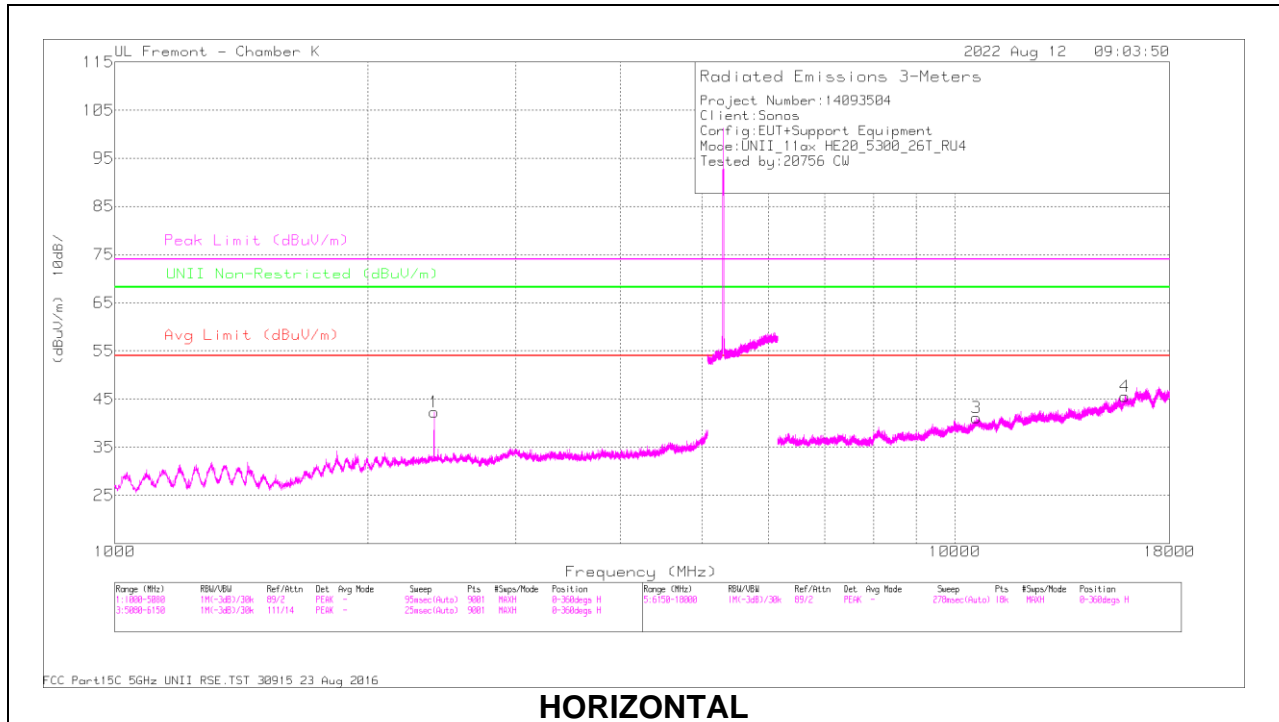
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

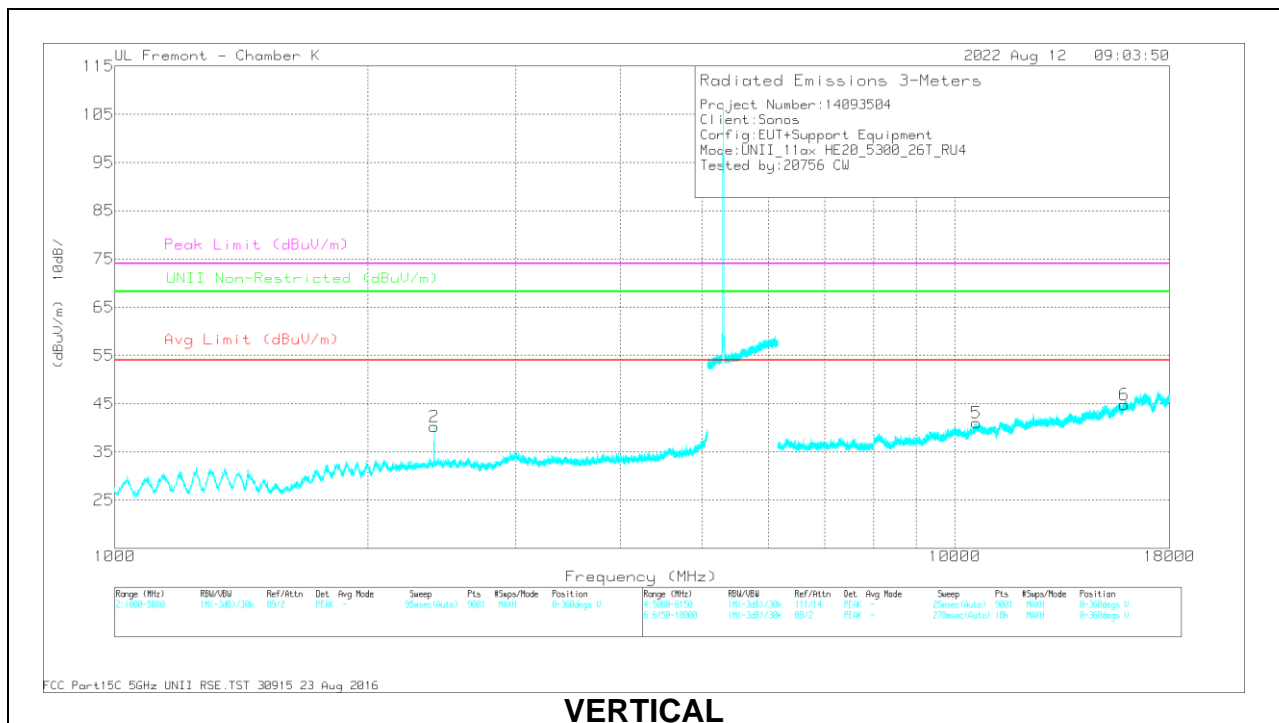
**2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 4**

**HARMONICS AND SPURIOUS EMISSIONS**

**MID CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) -3mH	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2400.356	63.86	PK-U	32.5	-44.7	0	51.66	-	-	-	-	68.2	-16.54	235	123	H
2	2400.147	61.6	PK-U	32.5	-44.6	0	49.5	-	-	-	-	68.2	-18.7	153	115	V
3	* 10600.073	51.35	PK-U	37.9	-36.7	0	52.55	-	-	74	-21.45	-	-	339	186	H
	* 10600.248	38.63	ADR	37.9	-36.8	1.97	41.7	54	-12.3	-	-	-	-	339	186	H
4	* 15935.793	46.12	PK-U	41	-33.1	0	54.02	-	-	74	-19.98	-	-	102	112	H
	* 15935.19	33.98	ADR	41	-33.1	1.97	43.85	54	-10.15	-	-	-	-	102	112	H
5	* 10601.377	53.37	PK-U	37.9	-36.8	0	54.47	-	-	74	-19.53	-	-	148	217	V
	* 10600.019	39.26	ADR	37.9	-36.7	1.97	42.43	54	-11.57	-	-	-	-	148	217	V
6	* 15902.857	46.4	PK-U	40.9	-33	0	54.3	-	-	74	-19.7	-	-	319	204	V
	* 15902.106	34.7	ADR	40.9	-33.1	1.97	44.47	54	-9.53	-	-	-	-	319	204	V

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

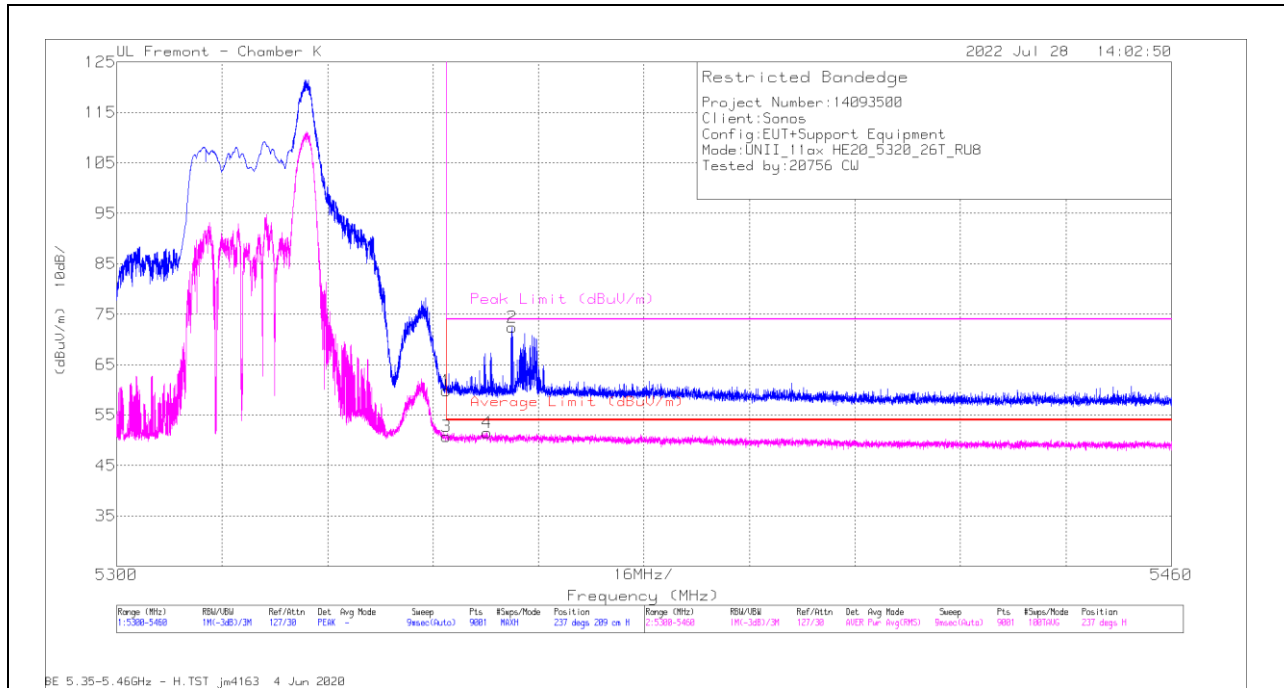
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**2TX Antenna 1 + Antenna 4 OFDMA MODE: 26-Tones, RU Index 8**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cb/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	55.88	Pk	34.7	-30.7	0	59.88	-	-	74	-14.12	237	209	H
2	* 5360.001	68.43	Pk	34.7	-30.7	0	72.43	-	-	74	-1.57	237	209	H
3	* 5350	44.81	RMS	34.7	-30.7	1.97	50.78	54	-3.22	-	-	237	209	H
4	* 5356.161	45.53	RMS	34.7	-30.7	1.97	51.5	54	-2.5	-	-	237	209	H

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