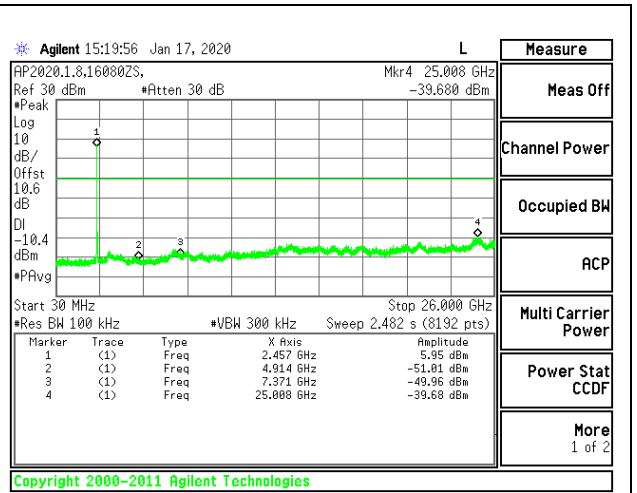
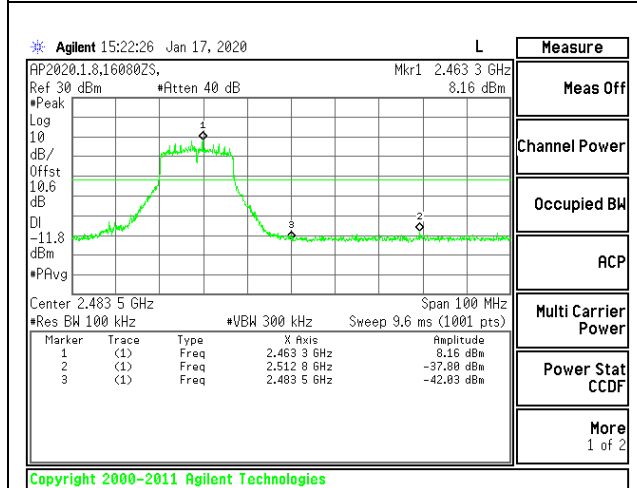


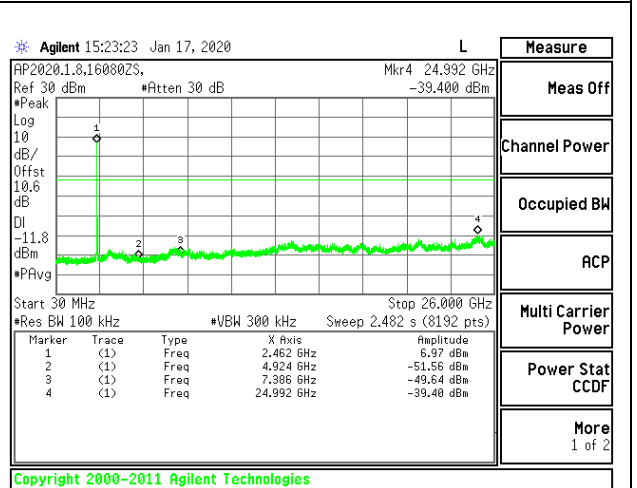
**HIGH CHANNEL 10 BANDEDGE  
 ANTENNA 2**



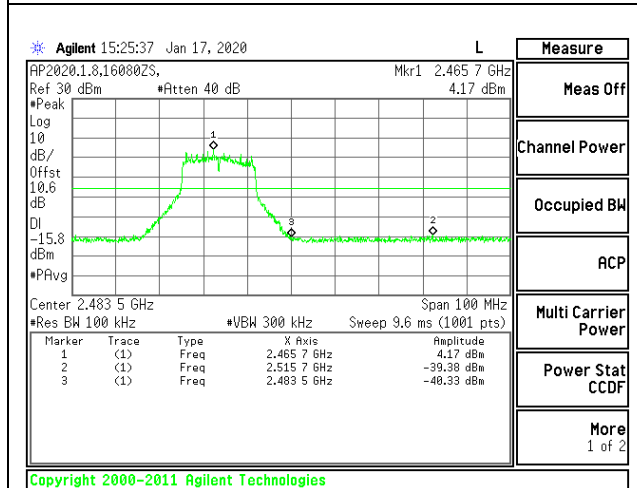
**OUT-OF-BAND HIGH CHANNEL 10  
 ANTENNA 2**



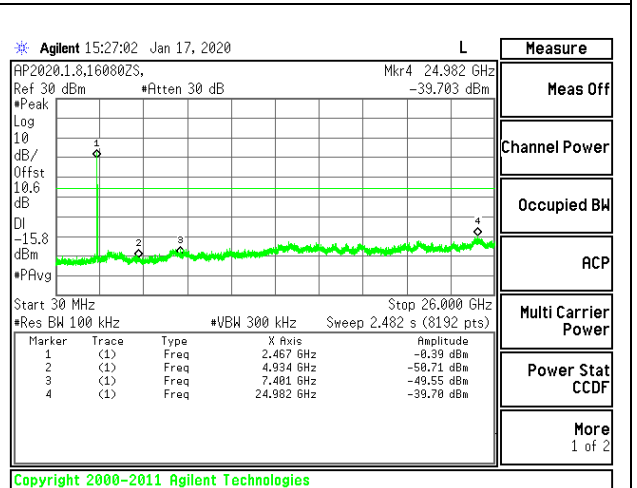
**HIGH CHANNEL 11 BANDEDGE  
 ANTENNA 2**



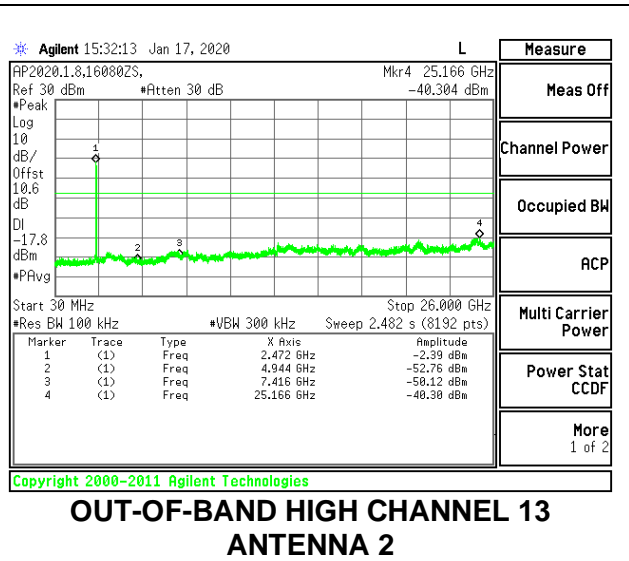
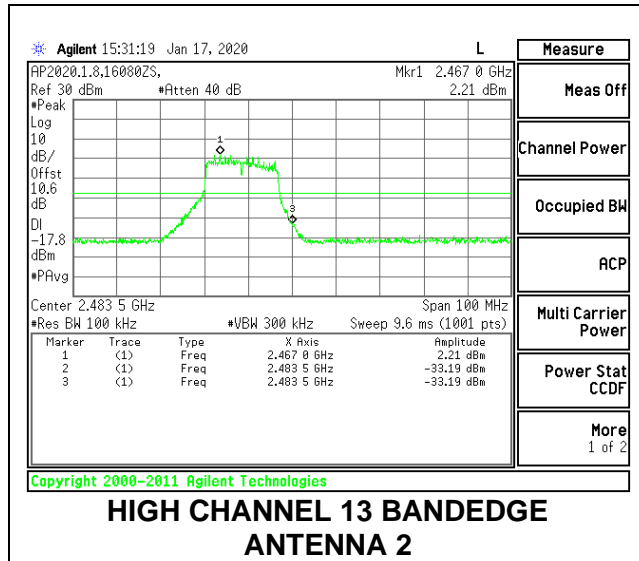
**OUT-OF-BAND HIGH CHANNEL 11  
 ANTENNA 2**



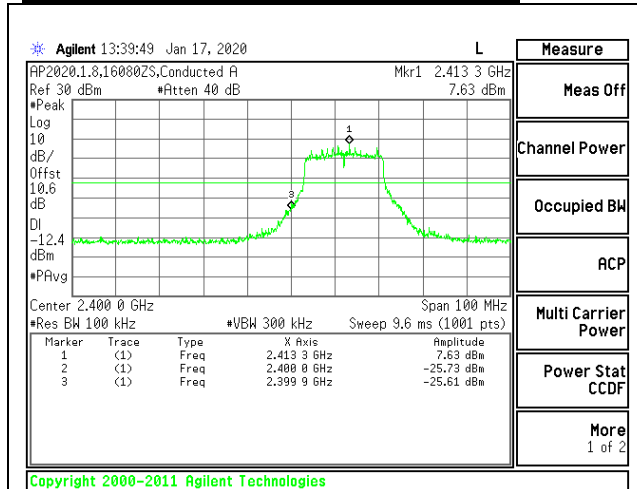
**HIGH CHANNEL 12 BANDEDGE  
 ANTENNA 2**



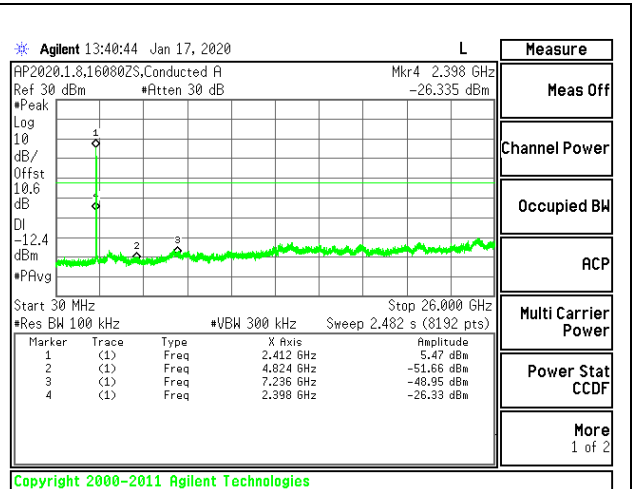
**OUT-OF-BAND HIGH CHANNEL 12  
 ANTENNA 2**



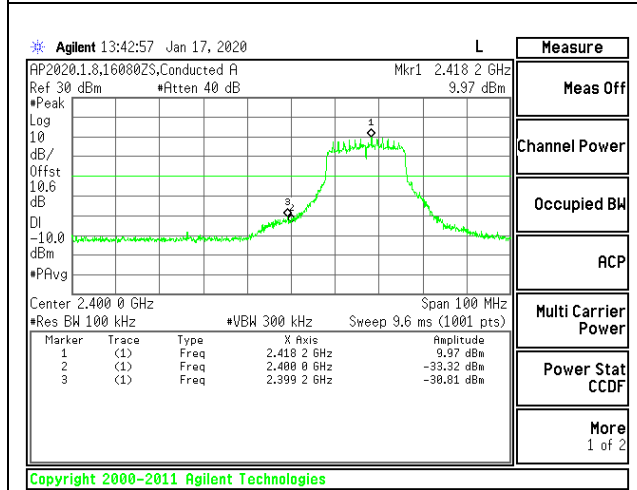
**9.7.3. 802.11n HT20 MODE**  
**2TX Antenna 1 + Antenna 2 CDD MODE**



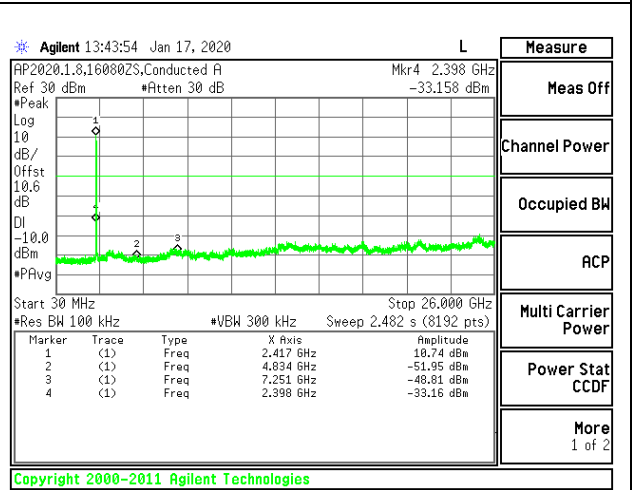
**LOW CHANNEL 1 BANDEDGE ANTENNA 1**



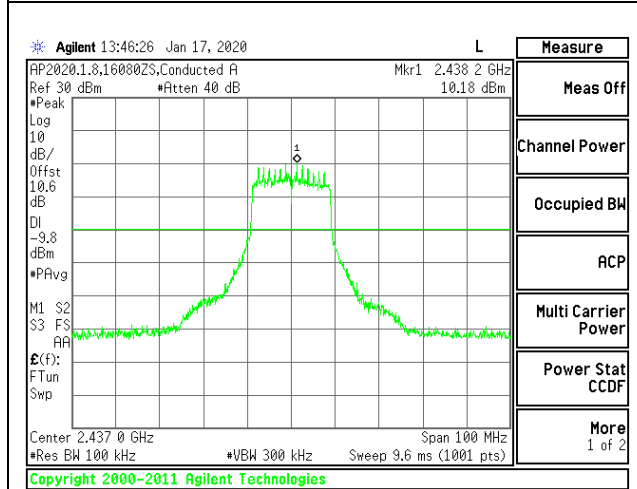
**OUT-OF-BAND LOW CHANNEL 1 ANTENNA 1**



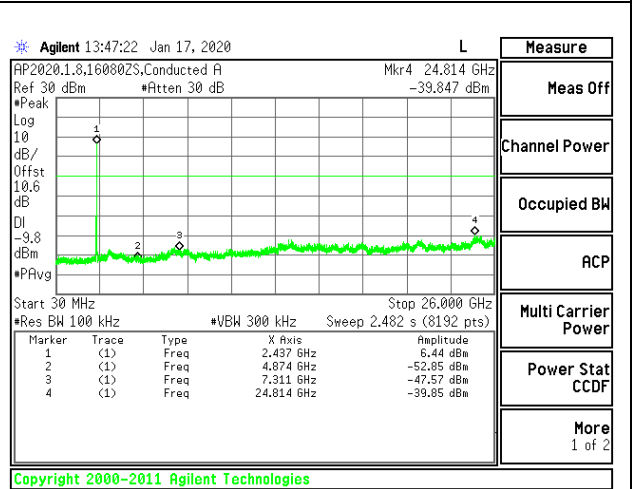
**LOW CHANNEL 2 BANDEDGE ANTENNA 1**



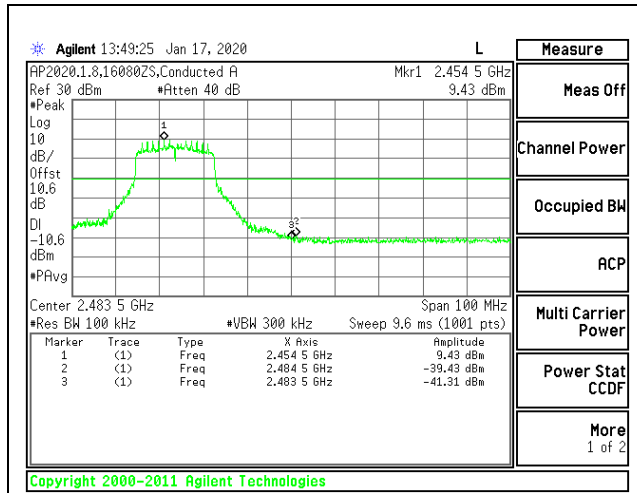
**OUT-OF-BAND LOW CHANNEL 2 ANTENNA 1**



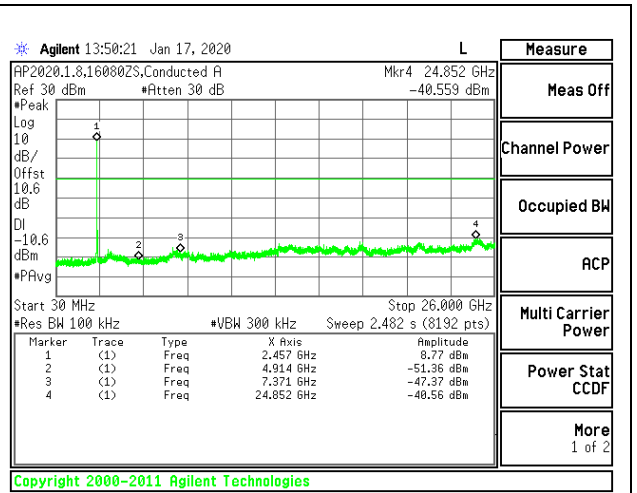
**IN-BAND REFERENCE LEVEL ANTENNA 1**



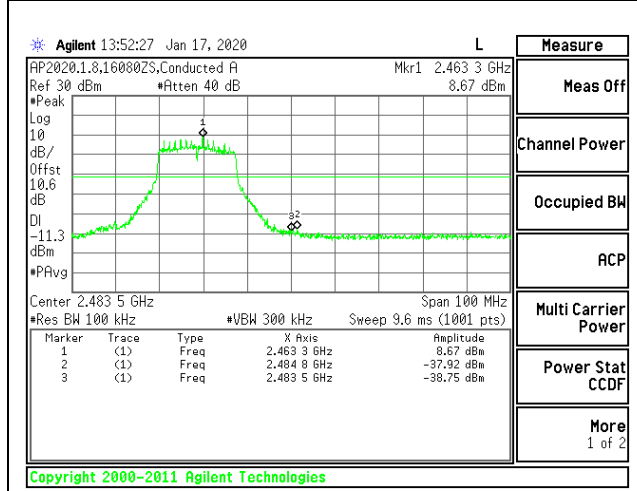
**OUT-OF-BAND MID CHANNEL ANTENNA 1**



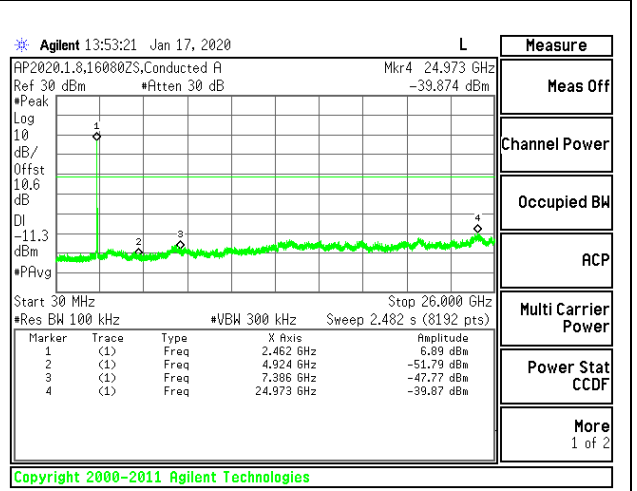
**HIGH CHANNEL 10 BANDEDGE ANTENNA 1**



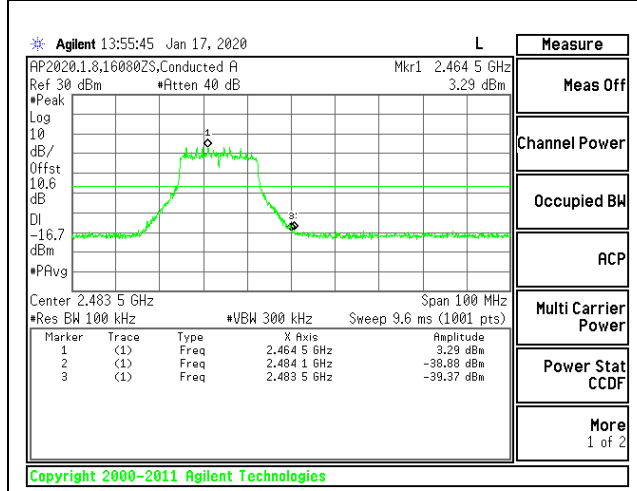
**OUT-OF-BAND HIGH CHANNEL 10 ANTENNA 1**



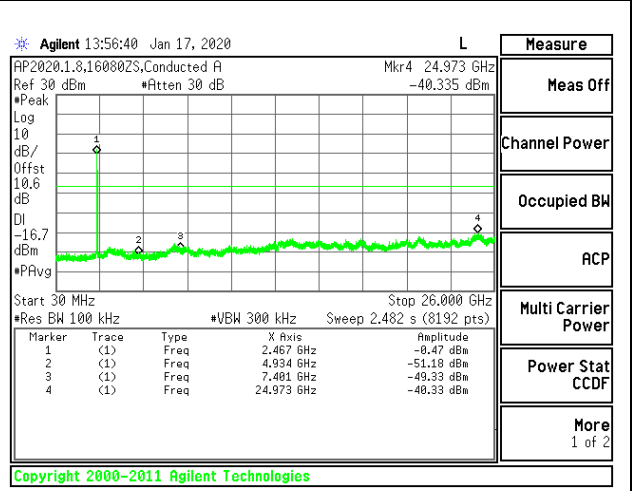
**HIGH CHANNEL 11 BANDEDGE ANTENNA 1**



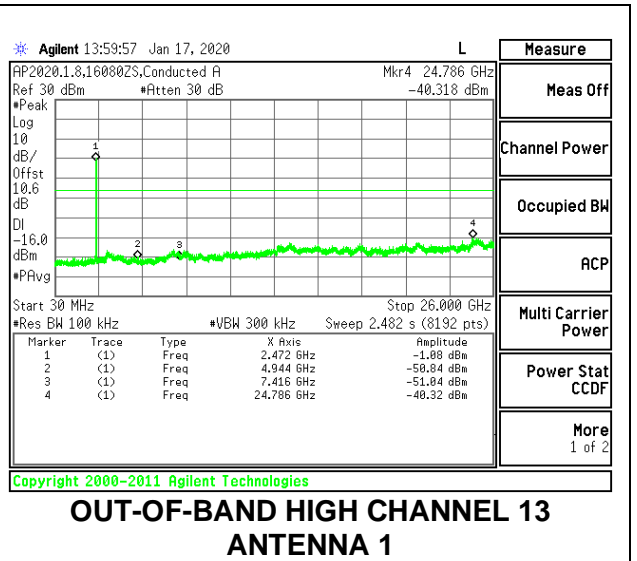
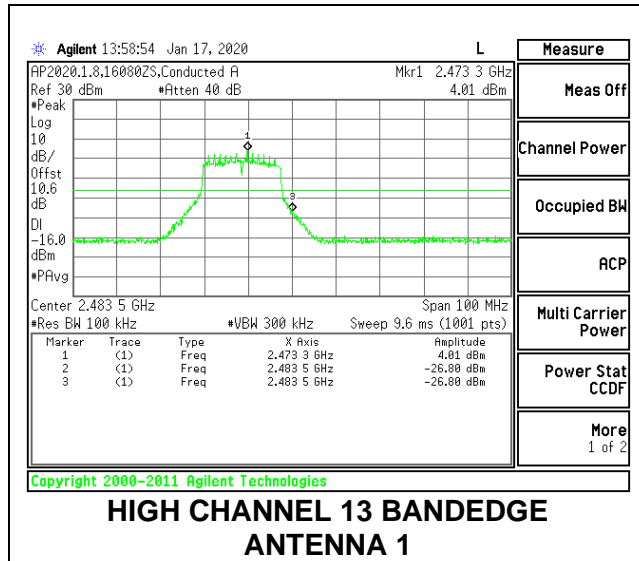
**OUT-OF-BAND HIGH CHANNEL 11 ANTENNA 1**

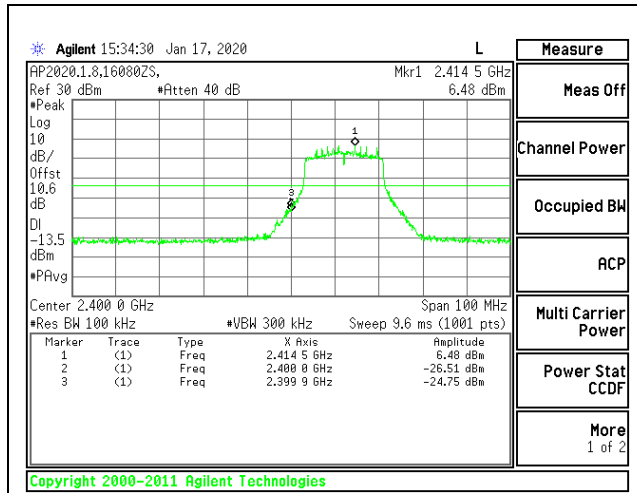


**HIGH CHANNEL 12 BANDEDGE ANTENNA 1**

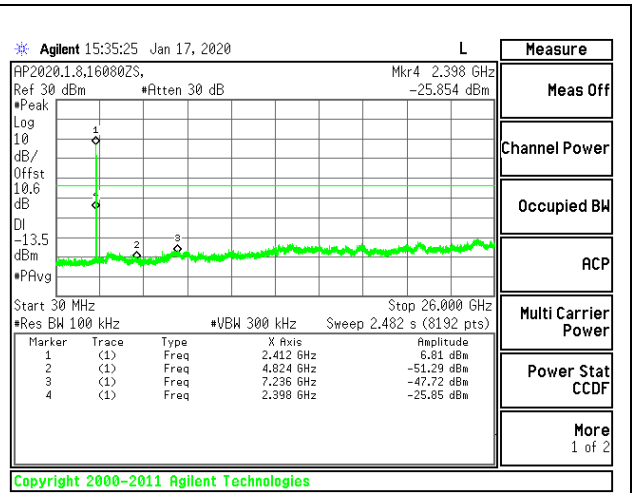


**OUT-OF-BAND HIGH CHANNEL 12 ANTENNA 1**

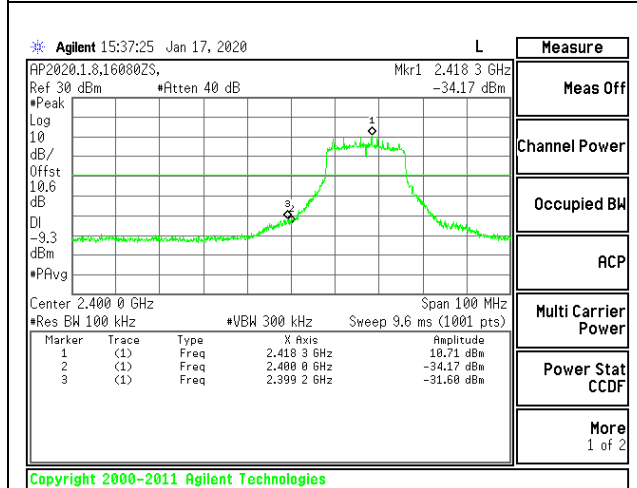




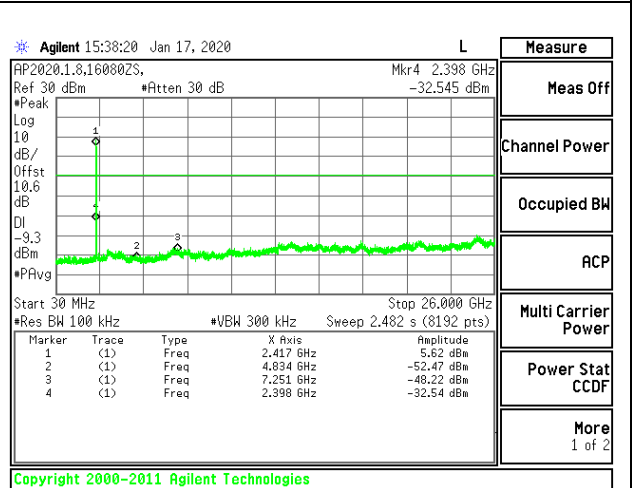
**LOW CHANNEL 1 BANDEDGE  
 ANTENNA 2**



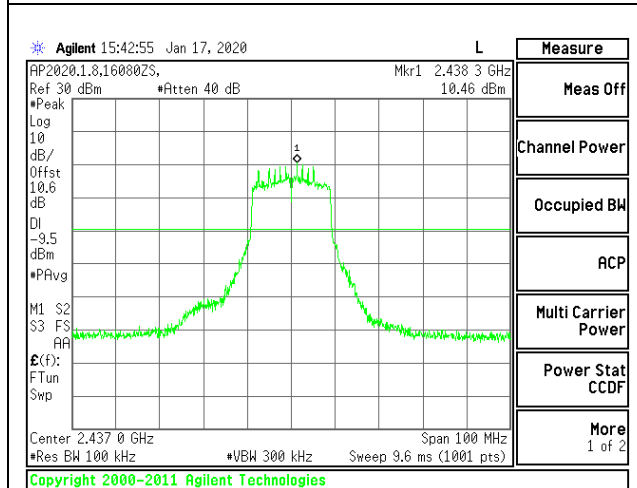
**OUT-OF-BAND LOW CHANNEL 1  
 ANTENNA 2**



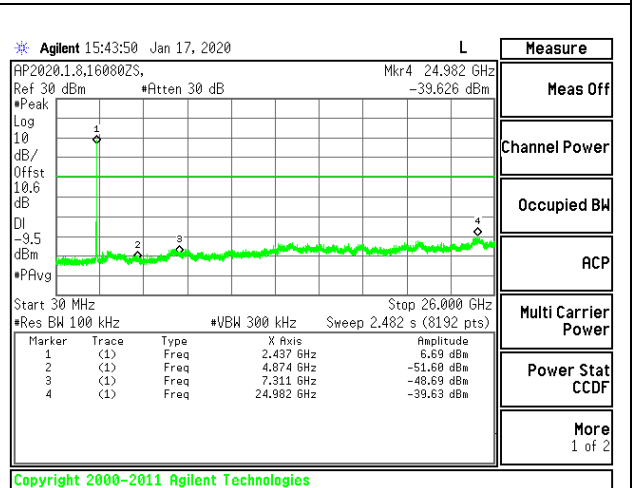
**LOW CHANNEL 2 BANDEDGE  
 ANTENNA 2**



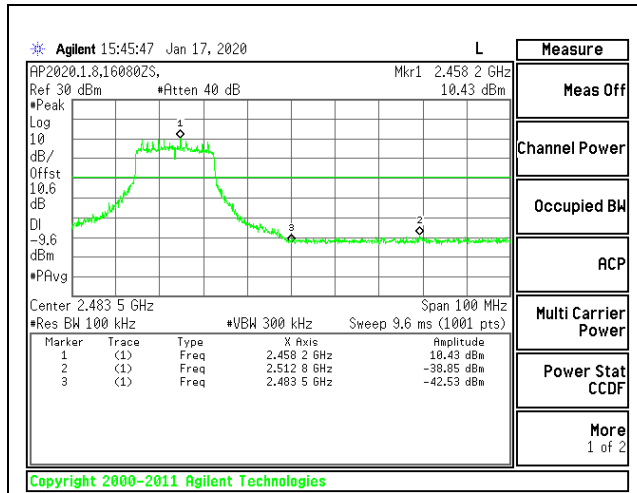
**OUT-OF-BAND LOW CHANNEL 2  
 ANTENNA 2**



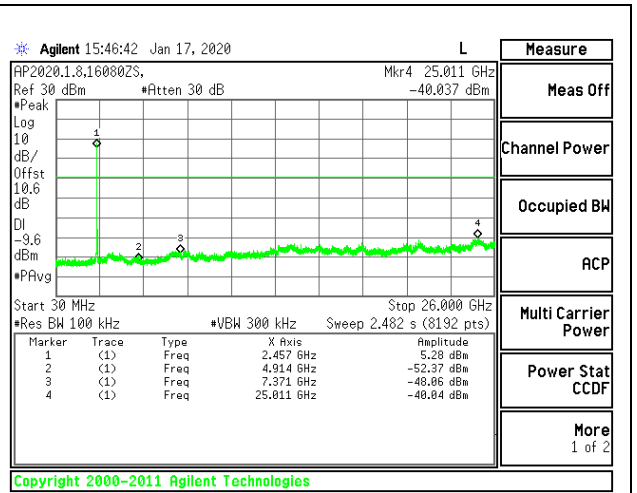
**IN-BAND REFERENCE LEVEL  
 ANTENNA 2**



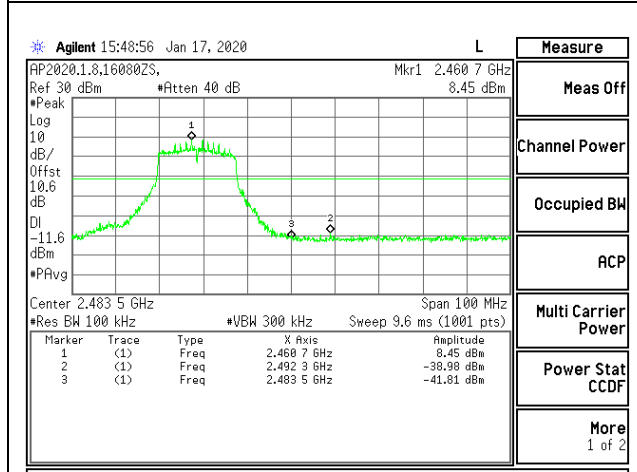
**OUT-OF-BAND MID CHANNEL  
 ANTENNA 2**



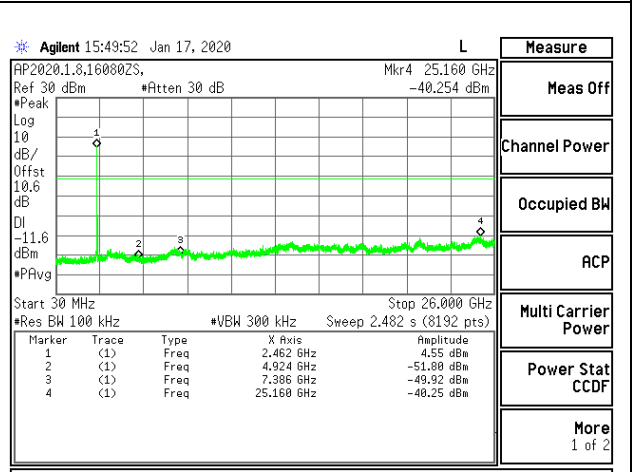
**HIGH CHANNEL 10 BANDEDGE ANTENNA 2**



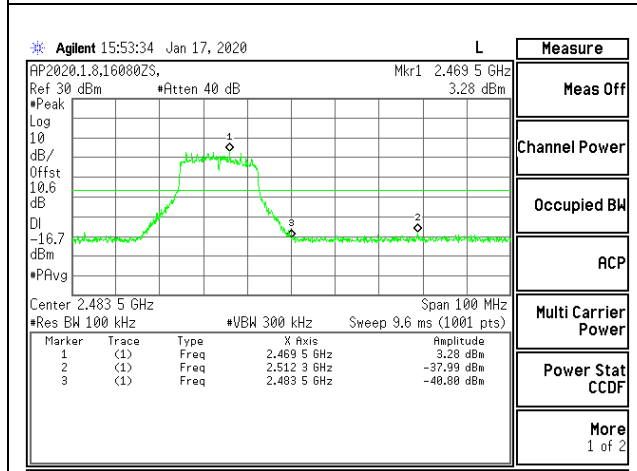
**OUT-OF-BAND HIGH CHANNEL 10 ANTENNA 2**



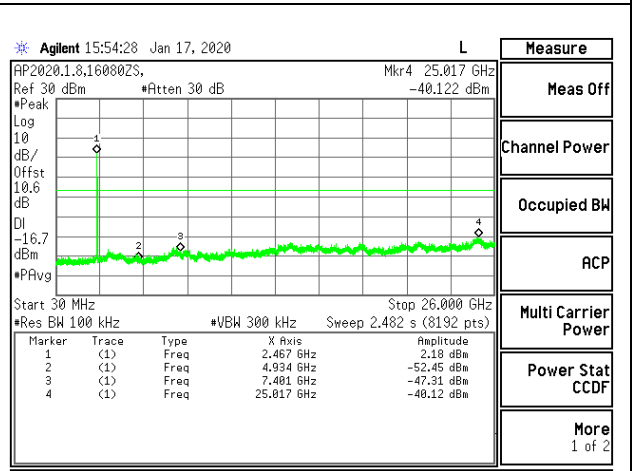
**HIGH CHANNEL 11 BANDEDGE ANTENNA 2**



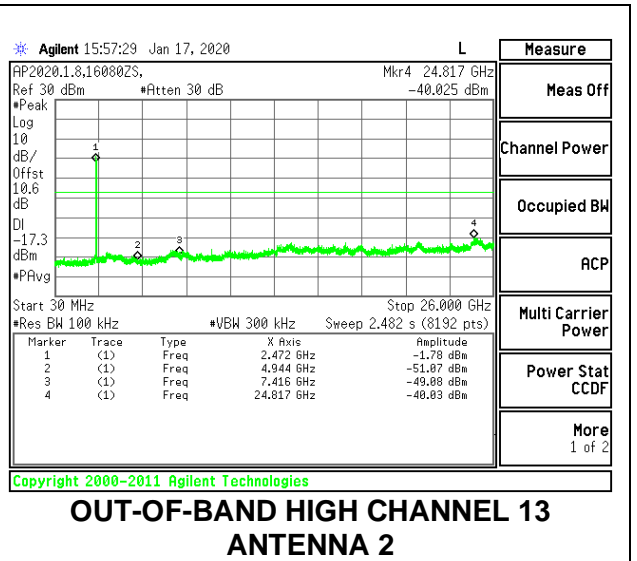
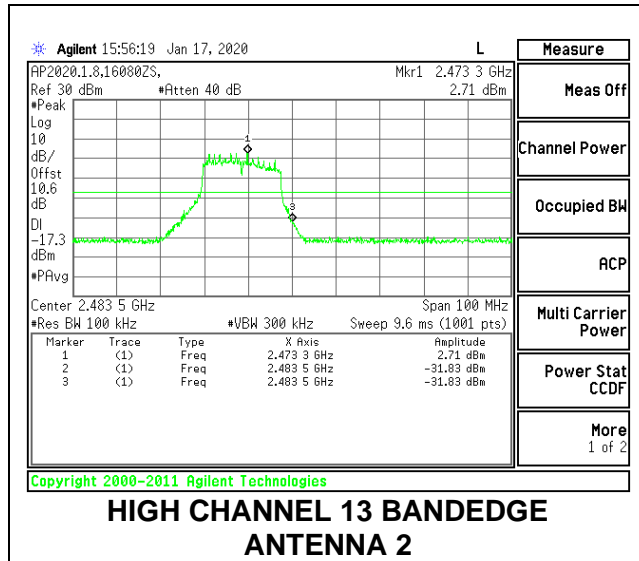
**OUT-OF-BAND HIGH CHANNEL 11 ANTENNA 2**



**HIGH CHANNEL 12 BANDEDGE ANTENNA 2**

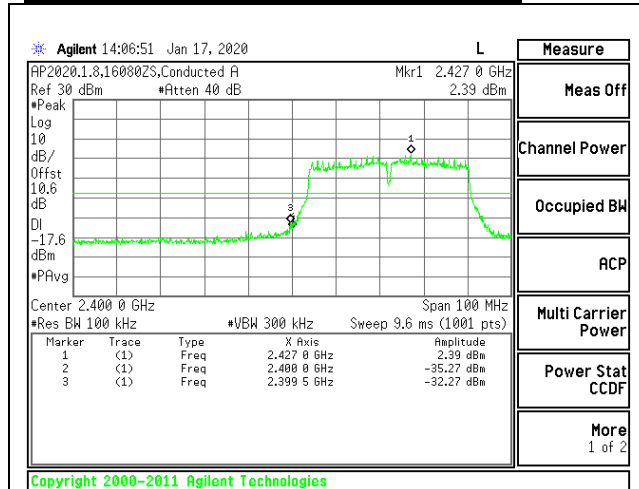


**OUT-OF-BAND HIGH CHANNEL 12 ANTENNA 2**

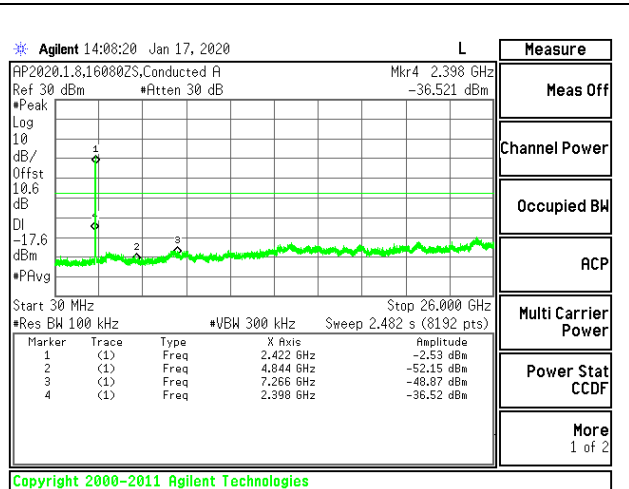




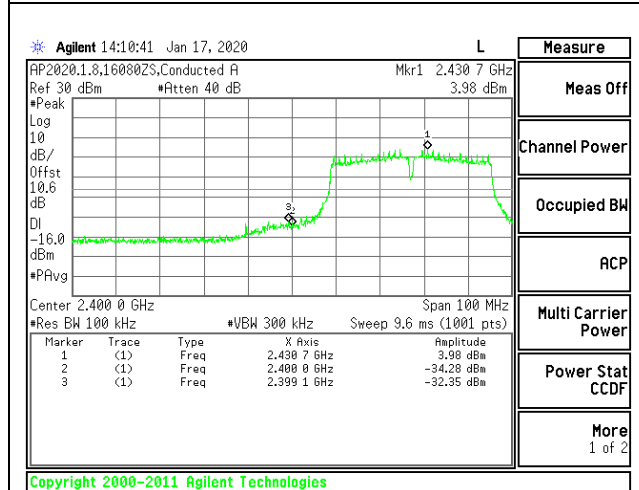
**9.7.4. 802.11n HT40 MODE**  
**2TX Antenna 1 + Antenna 2 CDD MODE**



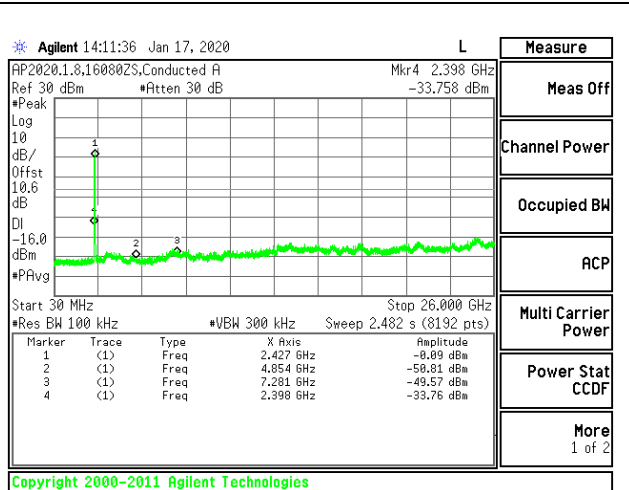
**LOW CHANNEL 3 BANDEDGE**  
**ANTENNA 1**



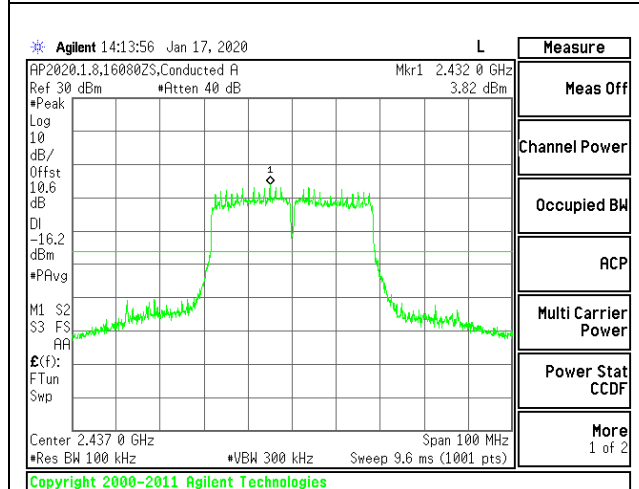
**OUT-OF-BAND LOW CHANNEL 3**  
**ANTENNA 1**



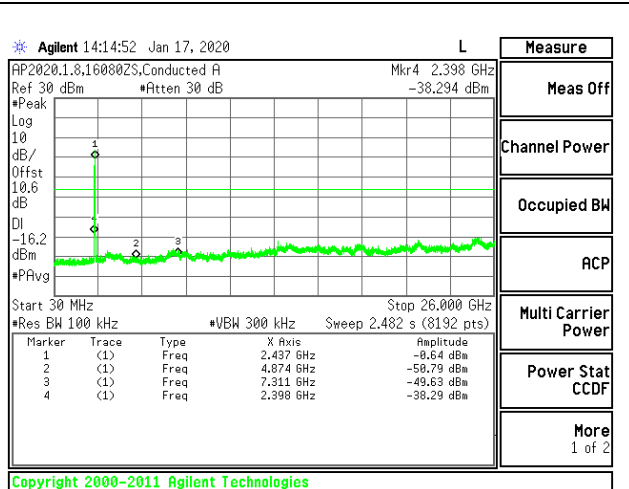
**LOW CHANNEL 4 BANDEDGE**  
**ANTENNA 1**



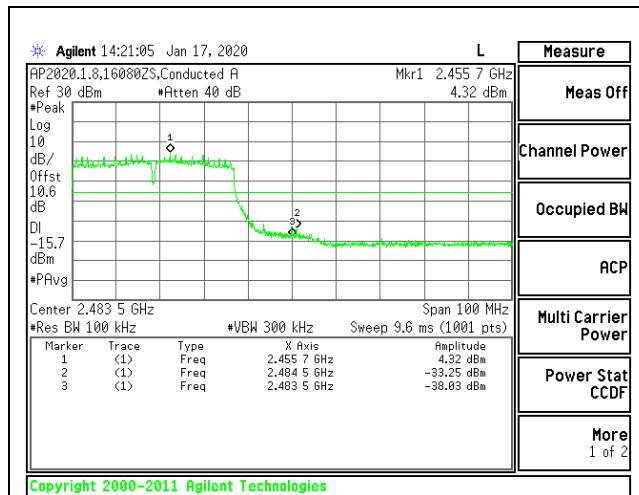
**OUT-OF-BAND LOW CHANNEL 4**  
**ANTENNA 1**



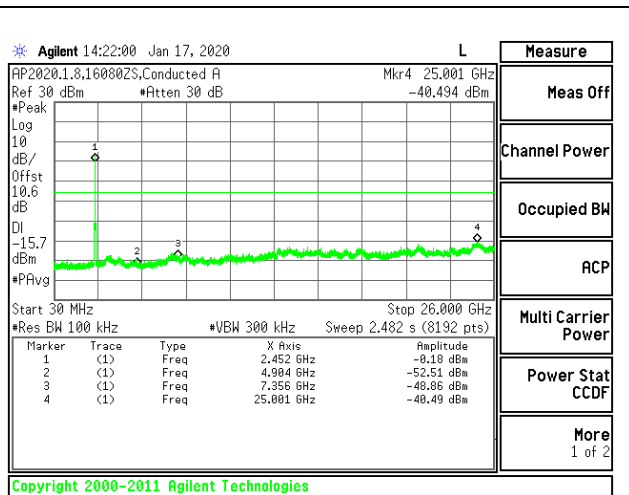
**IN-BAND REFERENCE LEVEL ANTENNA 1**



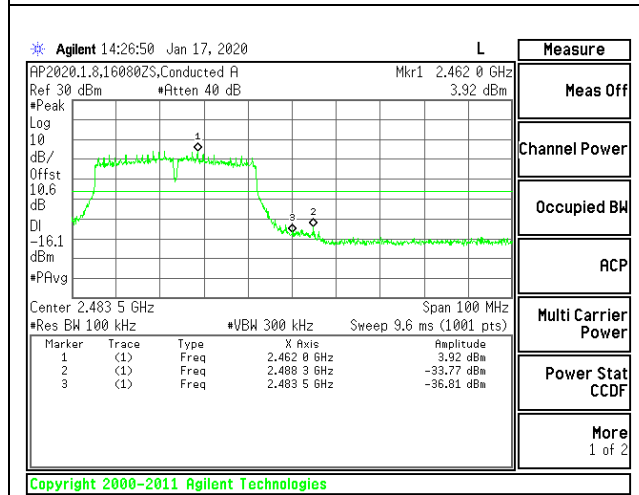
**OUT-OF-BAND MID CHANNEL ANTENNA 1**



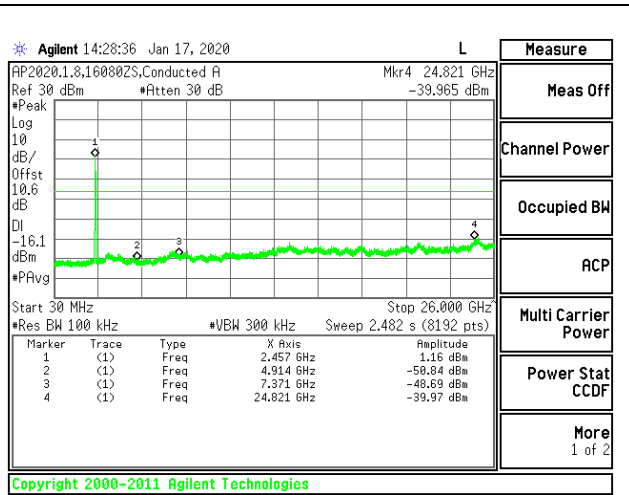
**HIGH CHANNEL 9 BANDEDGE  
 ANTENNA 1**



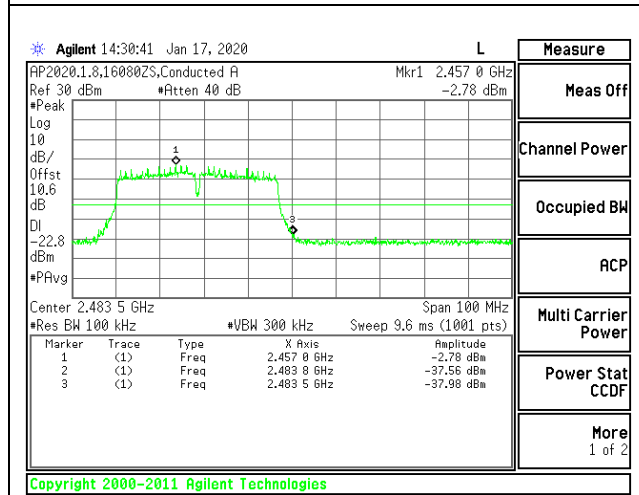
**OUT-OF-BAND HIGH CHANNEL 9  
 ANTENNA 1**



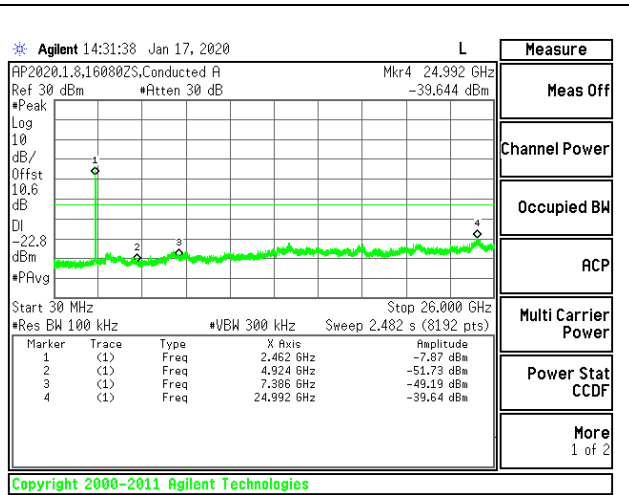
**HIGH CHANNEL 10 BANDEDGE  
 ANTENNA 1**



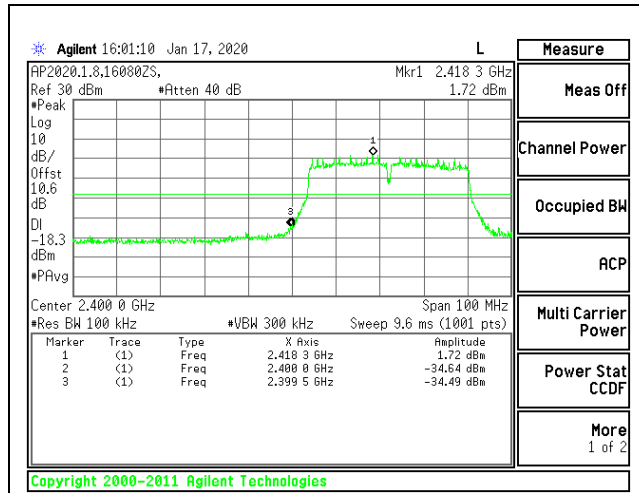
**OUT-OF-BAND HIGH CHANNEL 10  
 ANTENNA 1**



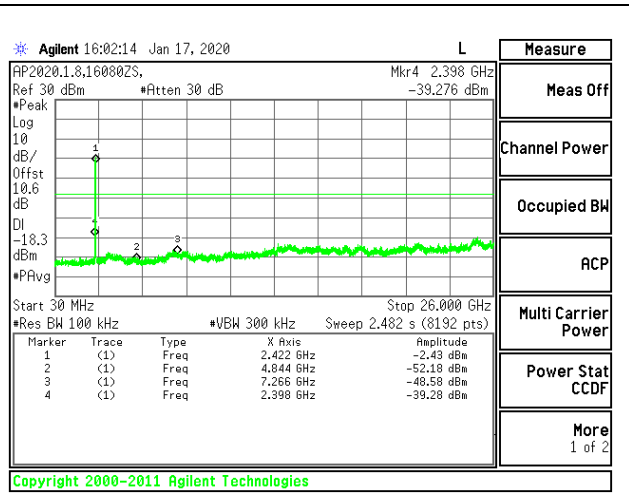
**HIGH CHANNEL 11 BANDEDGE  
 ANTENNA 1**



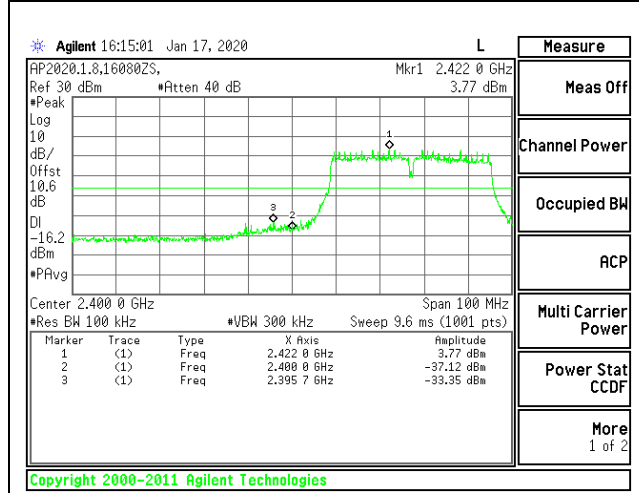
**OUT-OF-BAND HIGH CHANNEL 11  
 ANTENNA 1**



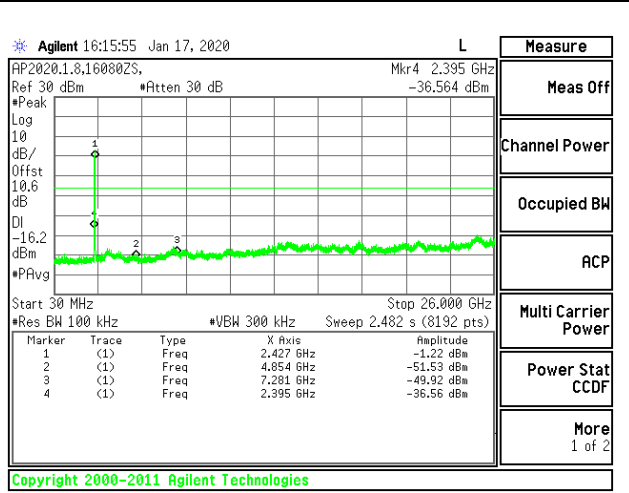
LOW CHANNEL 3 BANDEDGE ANTENNA 2



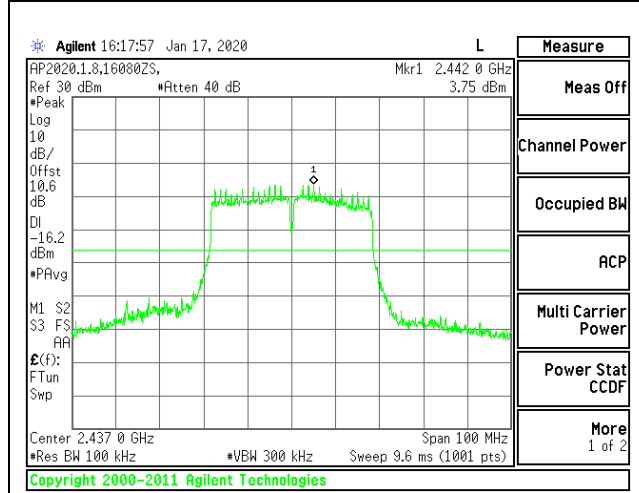
OUT-OF-BAND LOW CHANNEL 3 ANTENNA 2



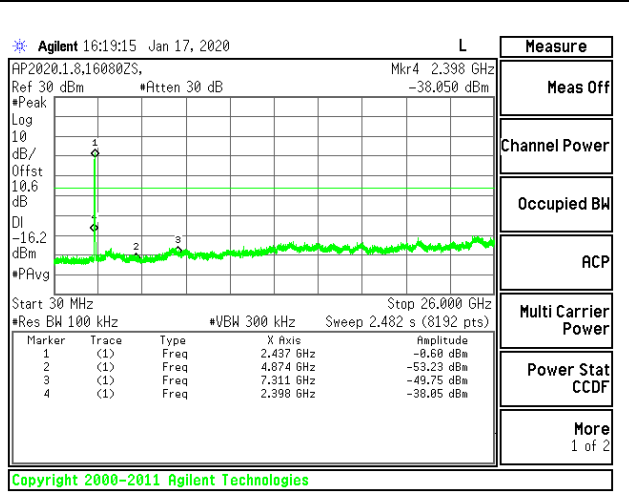
LOW CHANNEL 4 BANDEDGE ANTENNA 2



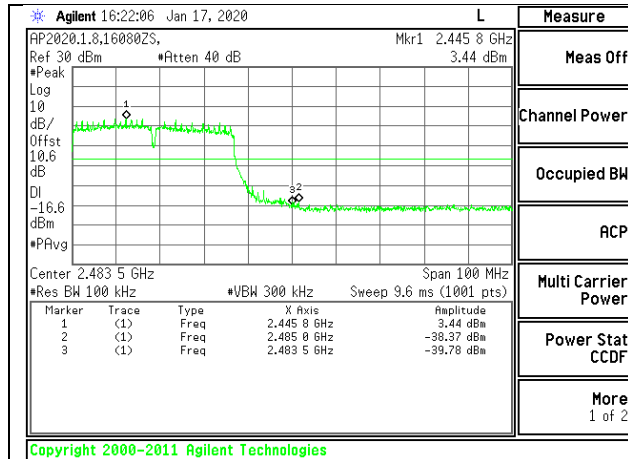
OUT-OF-BAND LOW CHANNEL 4 ANTENNA 2



IN-BAND REFERENCE LEVEL ANTENNA 2

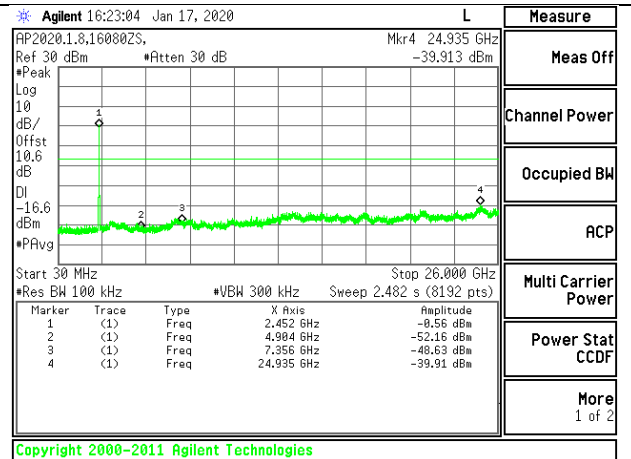


OUT-OF-BAND MID CHANNEL ANTENNA 2



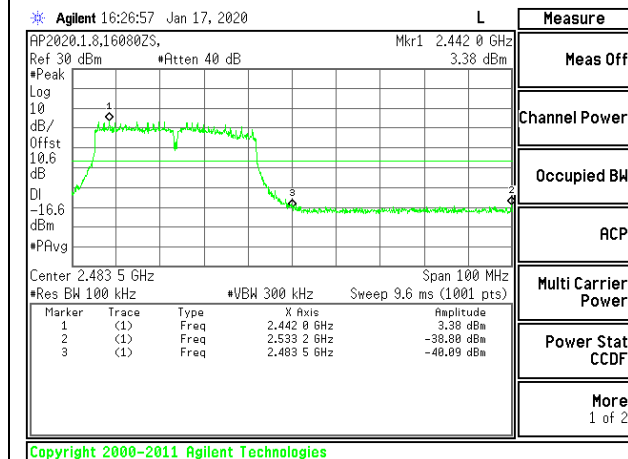
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**HIGH CHANNEL 9 BANDEDGE  
 ANTENNA 2**



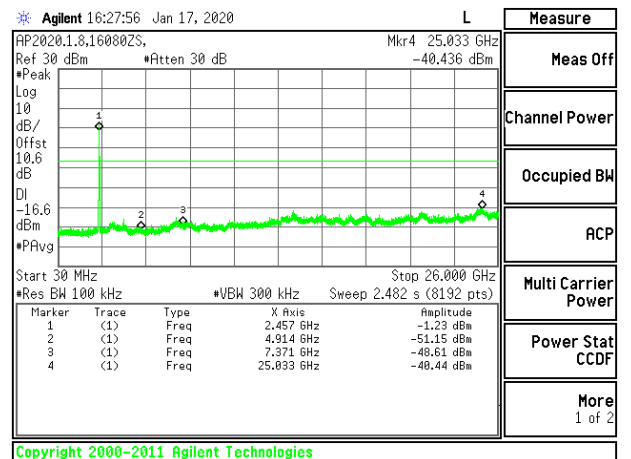
Copyright 2000-2011 Agilent Technologies

**OUT-OF-BAND HIGH CHANNEL 9  
 ANTENNA 2**



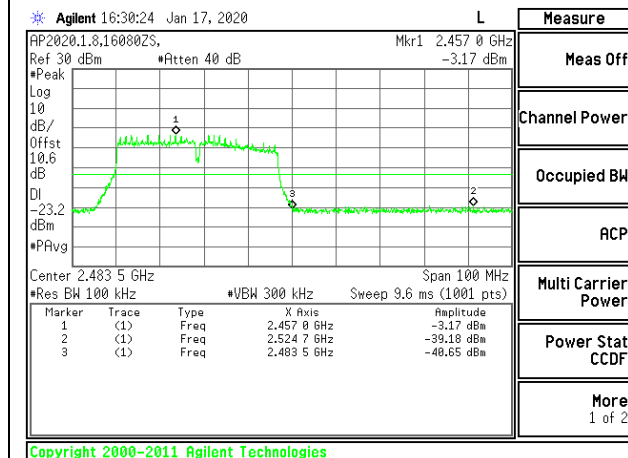
Copyright 2000-2011 Agilent Technologies

**HIGH CHANNEL 10 BANDEDGE  
 ANTENNA 2**



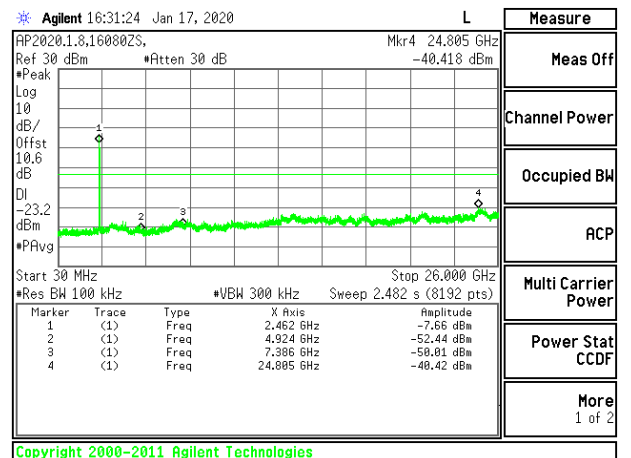
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**OUT-OF-BAND HIGH CHANNEL 10  
 ANTENNA 2**



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**HIGH CHANNEL 11 BANDEDGE  
 ANTENNA 2**



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**OUT-OF-BAND HIGH CHANNEL 11  
 ANTENNA 2**

## 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. Peak detection is used unless otherwise noted as quasi-peak.

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

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

The spectrum from 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.

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.

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

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

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

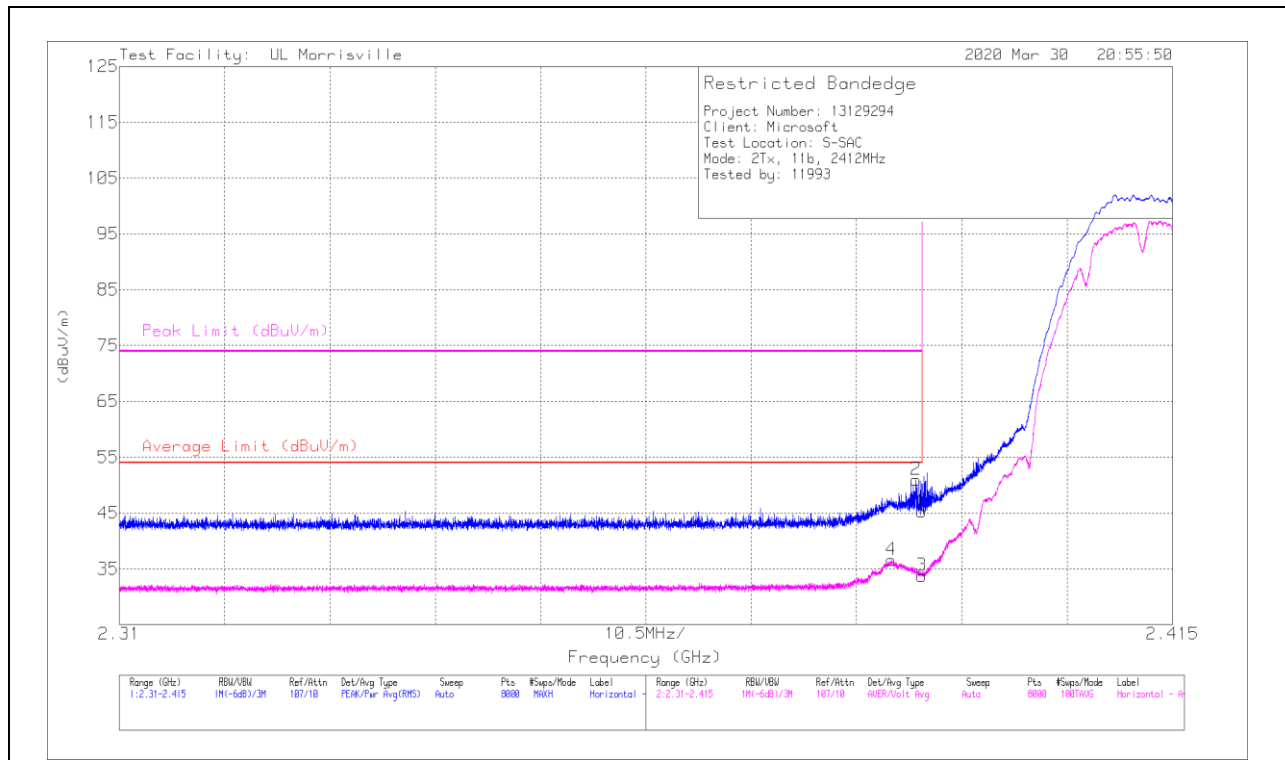
## 10.1. TRANSMITTER ABOVE 1 GHz

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

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

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

#### HORIZONTAL RESULT



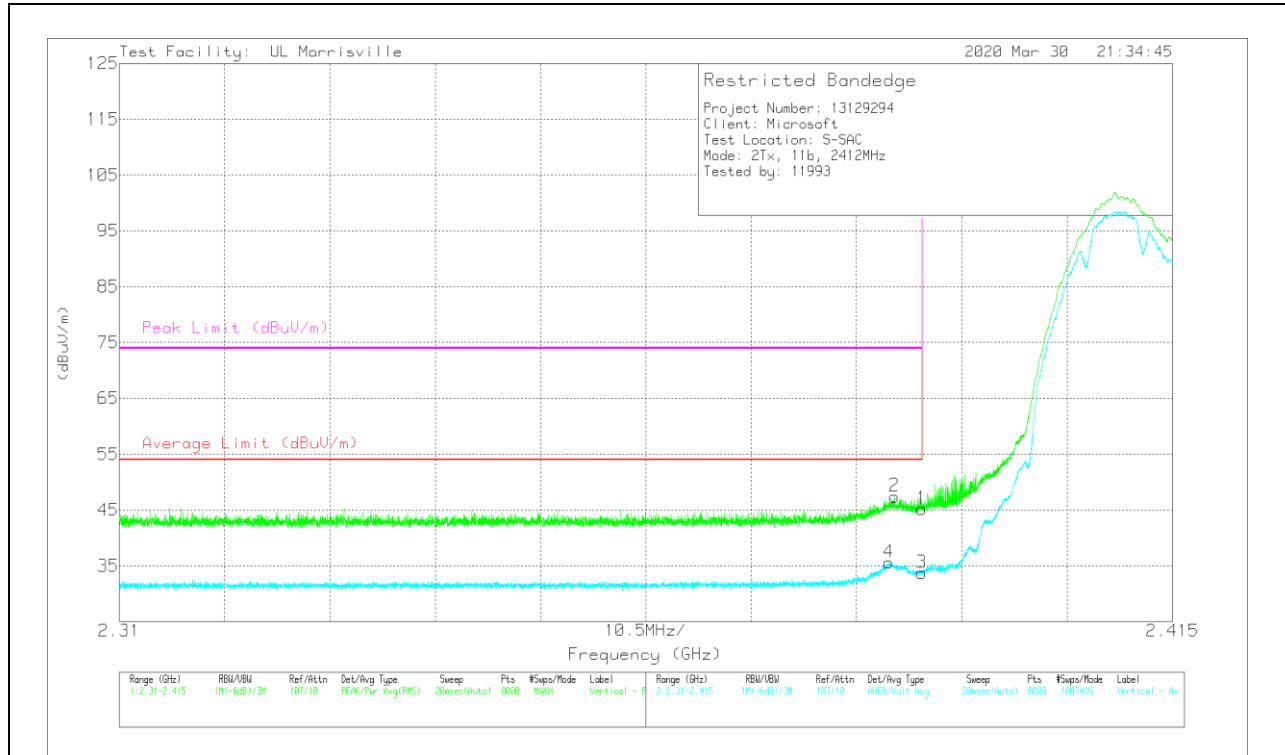
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.98	Pk	31.9	-23.6	45.28	-	-	74	-28.72	13	114	H
2	* 2.38943	42.62	Pk	31.9	-23.6	50.92	-	-	74	-23.08	13	114	H
3	* 2.39	25.47	ADV	31.9	-23.6	33.77	54	-20.23	-	-	13	114	H
4	* 2.38698	28.25	ADV	31.9	-23.6	36.55	54	-17.45	-	-	13	114	H

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

Pk - Peak detector

ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT



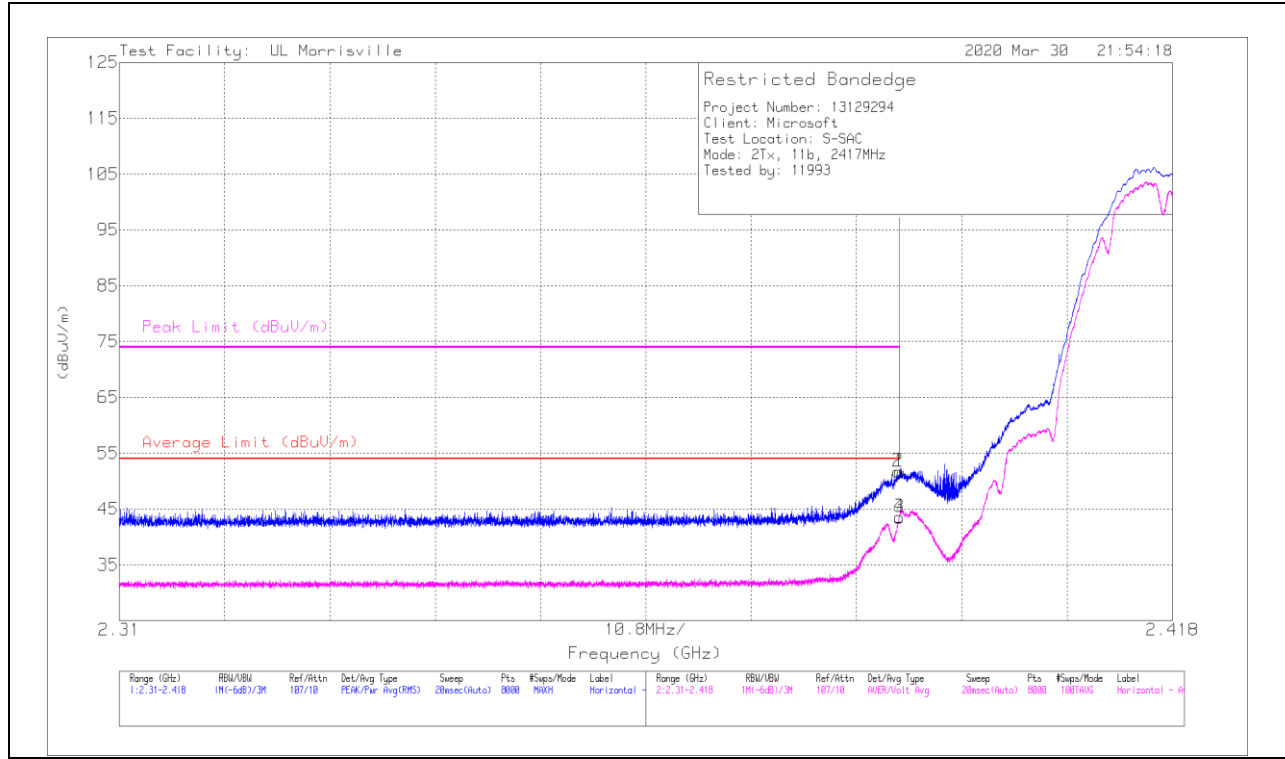
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.9	Pk	31.9	-23.6	45.2	-	-	74	-28.8	152	291	V
2	* 2.38731	39.14	Pk	31.9	-23.6	47.44	-	-	74	-26.56	152	291	V
3	* 2.39	25.46	ADV	31.9	-23.6	33.76	54	-20.24	-	-	152	291	V
4	* 2.38674	27.27	ADV	31.9	-23.6	35.57	54	-18.43	-	-	152	291	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average



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

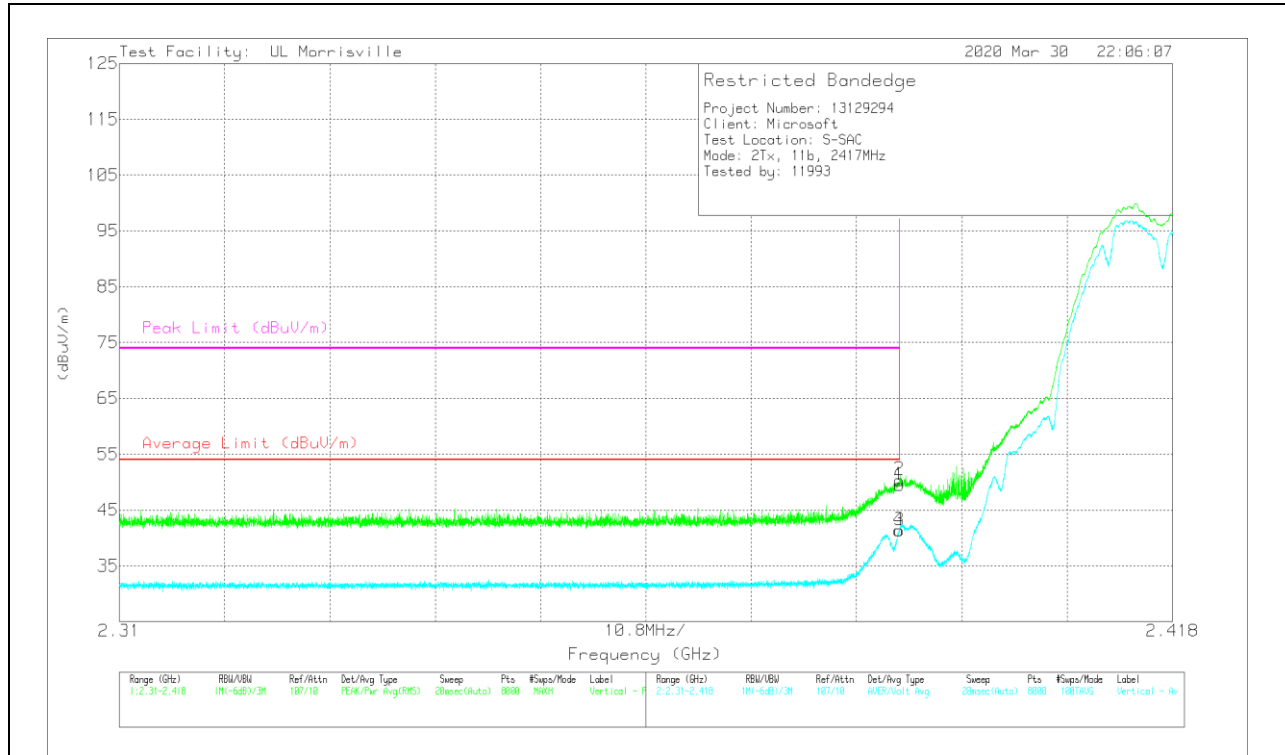
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.38	Pk	31.9	-23.6	51.68	-	-	74	-22.32	10	100	H
2	* 2.38984	43.43	Pk	31.9	-23.6	51.73	-	-	74	-22.27	10	100	H
3	* 2.39	35.23	ADV	31.9	-23.6	43.53	54	-10.47	-	-	10	100	H
4	* 2.38999	35.31	ADV	31.9	-23.6	43.61	54	-10.39	-	-	10	100	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT

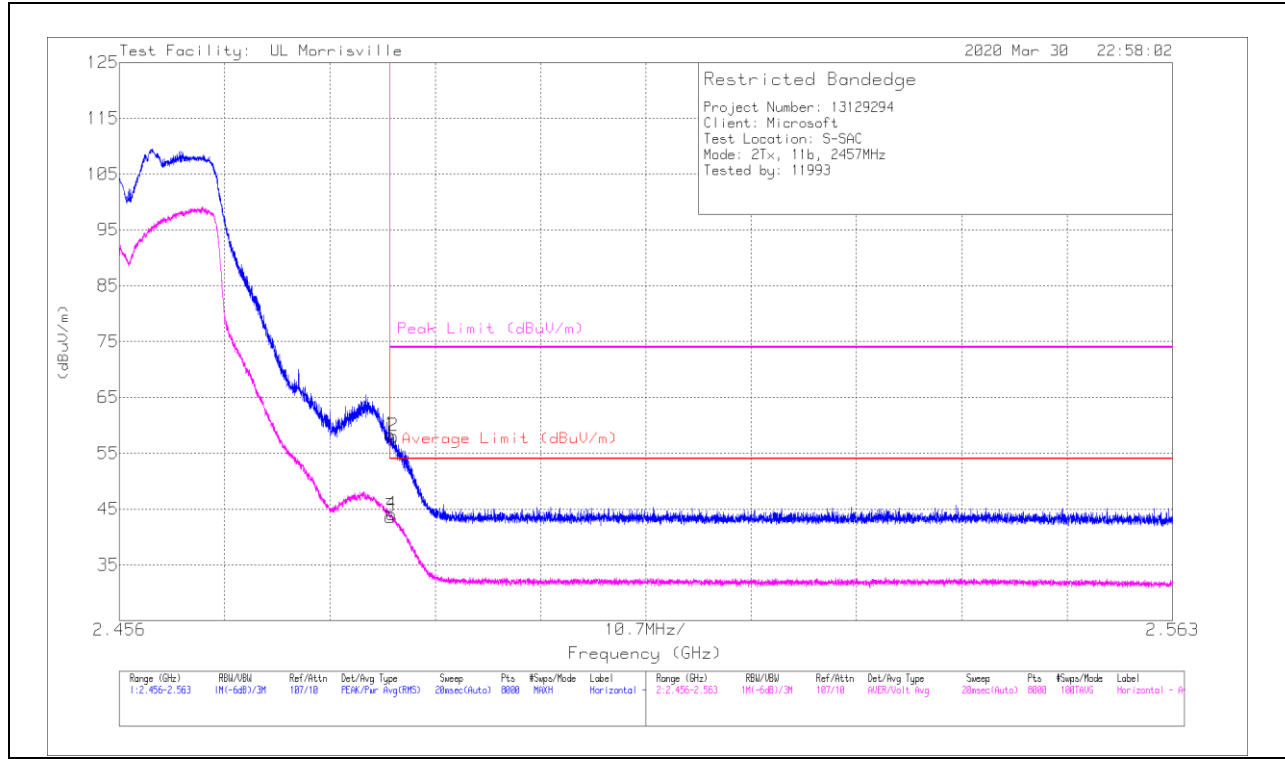


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.15	Pk	31.9	-23.6	49.45	-	-	74	-24.55	141	360	V
2	* 2.38999	42.09	Pk	31.9	-23.6	50.39	-	-	74	-23.61	141	360	V
3	*2.39	33.1	ADV	31.9	-23.6	41.4	54	-12.6	-	-	141	360	V
4	* 2.38996	33.05	ADV	31.9	-23.6	41.35	54	-12.65	-	-	141	360	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

**BANDEDGE (HIGH CHANNEL, CH 10)**

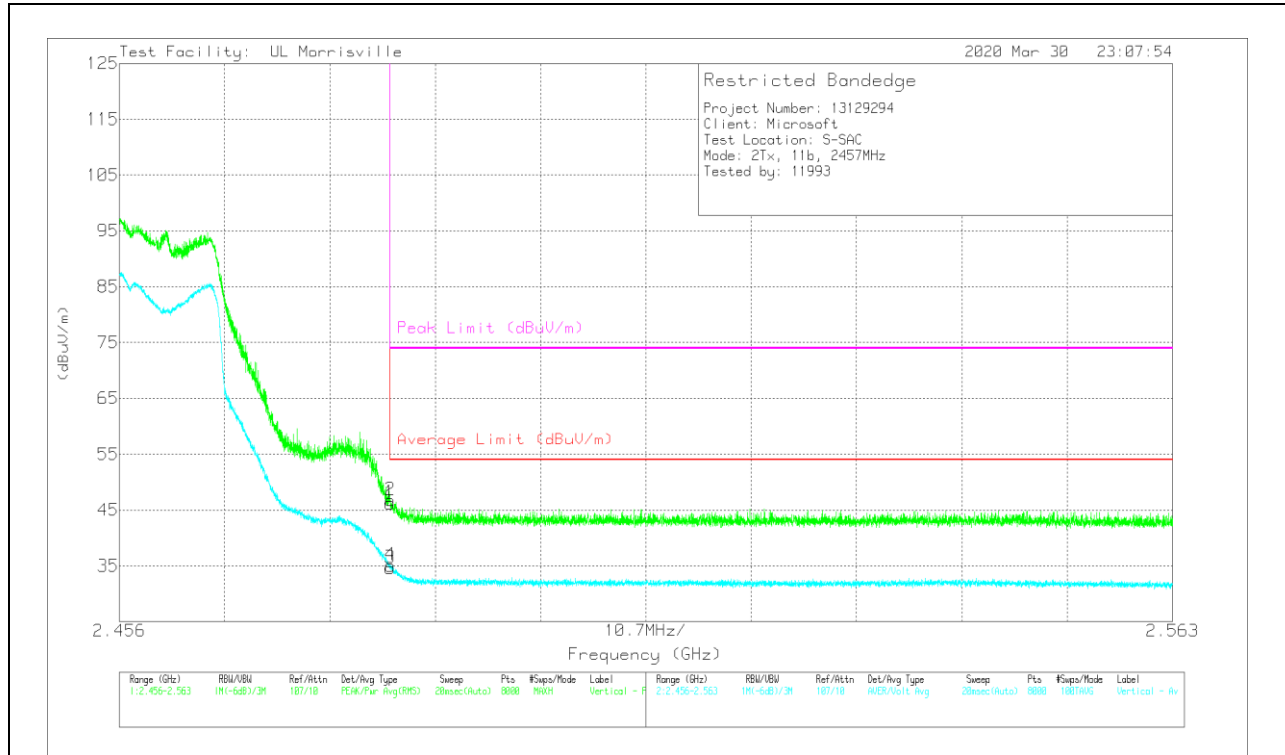
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	50.16	Pk	32.3	-24.1	58.36	-	-	74	-15.64	55	153	H
2	* 2.48385	49.83	Pk	32.3	-24.1	58.03	-	-	74	-15.97	55	153	H
3	* 2.4835	35.43	ADV	32.3	-24.1	43.63	54	-10.37	-	-	55	153	H
4	* 2.48365	35.88	ADV	32.3	-24.1	44.08	54	-9.92	-	-	55	153	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT

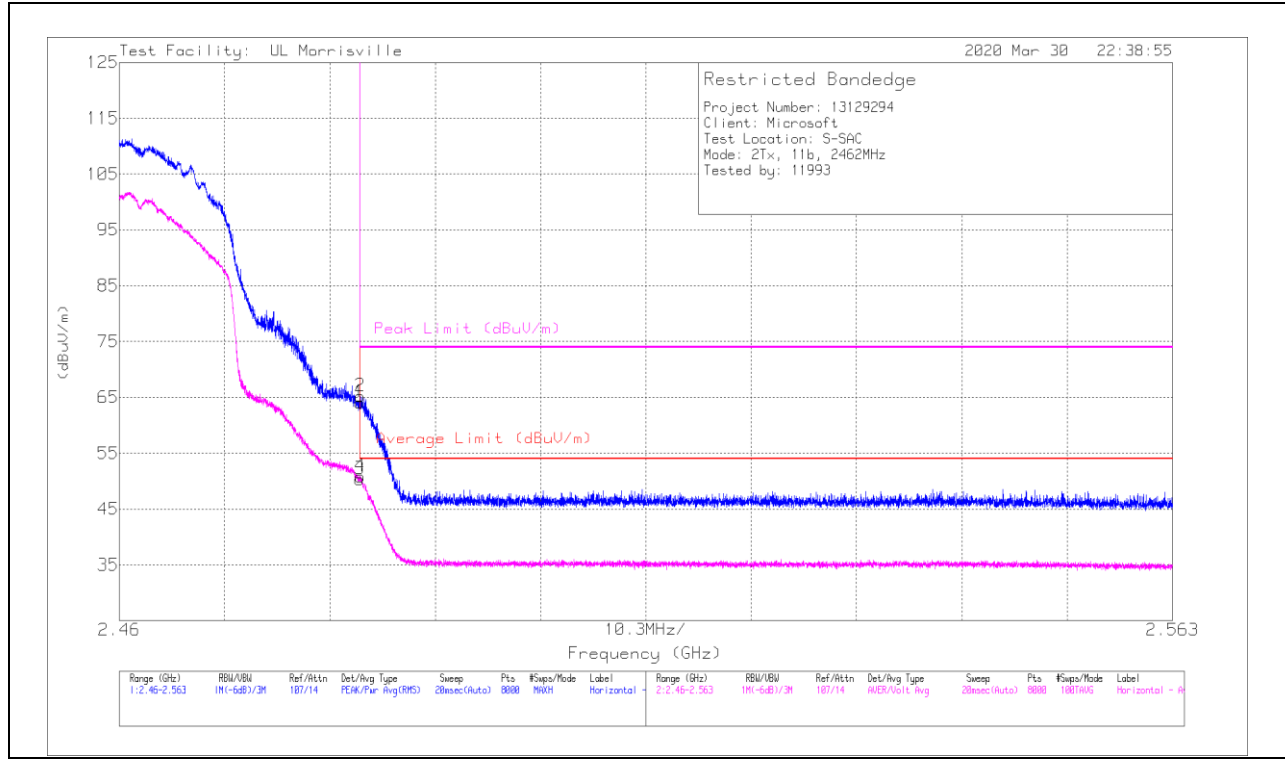


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	38.04	Pk	32.3	-24.1	46.24	-	-	74	-27.76	336	354	V
2	* 2.48356	38.55	Pk	32.3	-24.1	46.75	-	-	74	-27.25	336	354	V
3	* 2.4835	26.41	ADV	32.3	-24.1	34.61	54	-19.39	-	-	336	354	V
4	* 2.48356	26.85	ADV	32.3	-24.1	35.05	54	-18.95	-	-	336	354	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

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

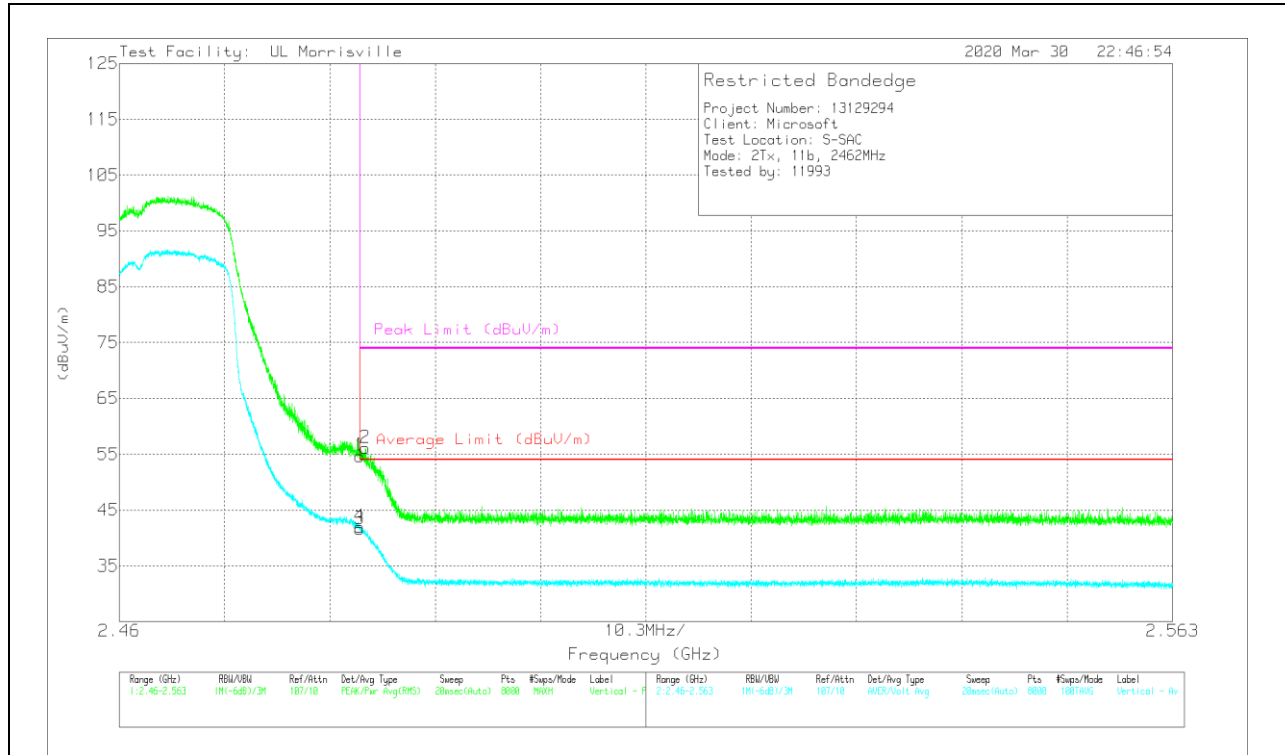
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.88	Pk	32.3	-24.1	64.08	-	-	74	-9.92	265	153	H
2	* 2.48359	57.04	Pk	32.3	-24.1	65.24	-	-	74	-8.76	265	153	H
3	* 2.4835	42.16	ADV	32.3	-24.1	50.36	54	-3.64	-	-	265	153	H
4	* 2.48359	42.6	ADV	32.3	-24.1	50.8	54	-3.2	-	-	265	153	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT

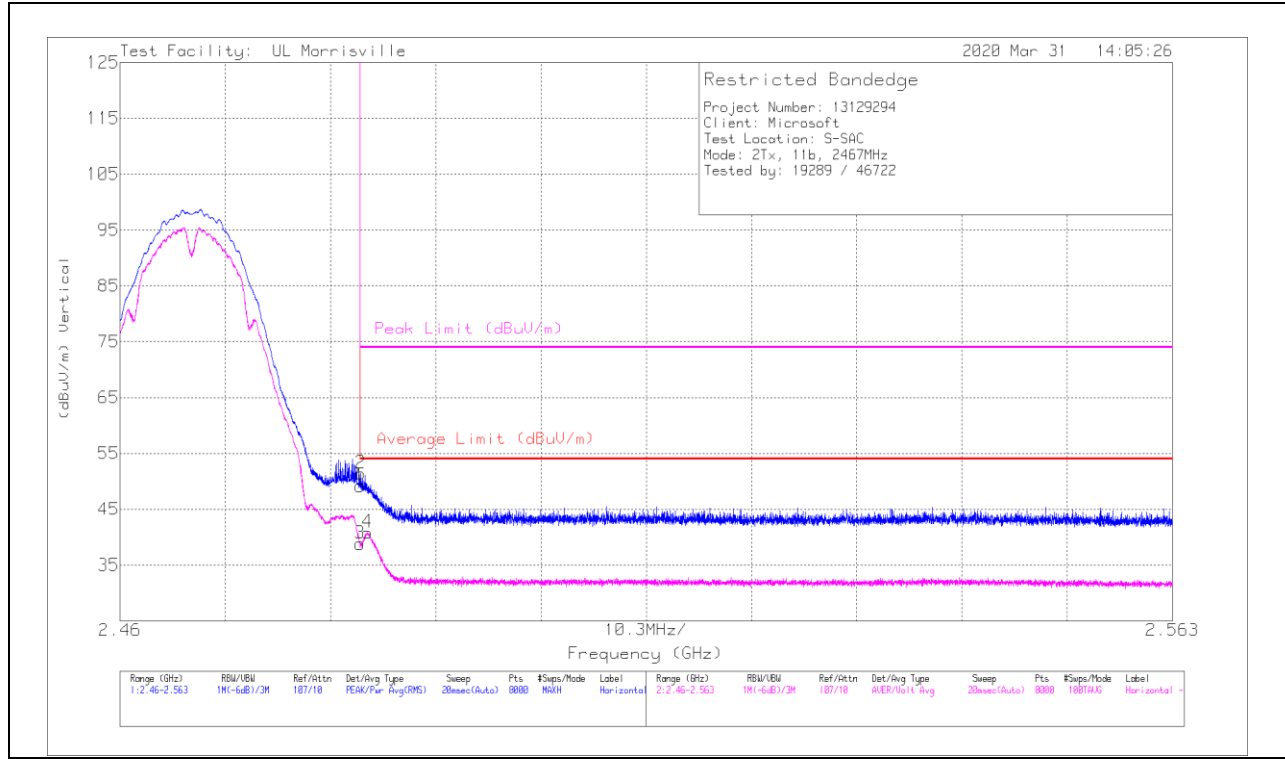


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	46.5	Pk	32.3	-24.1	54.7	-	-	74	-19.3	247	368	V
2	* 2.48405	47.89	Pk	32.3	-24.1	56.09	-	-	74	-17.91	247	368	V
3	* 2.4835	33.43	ADV	32.3	-24.1	41.63	54	-12.37	-	-	247	368	V
4	* 2.48353	33.78	ADV	32.3	-24.1	41.98	54	-12.02	-	-	247	368	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

**BANDEDGE (HIGH CHANNEL, CH 12)**

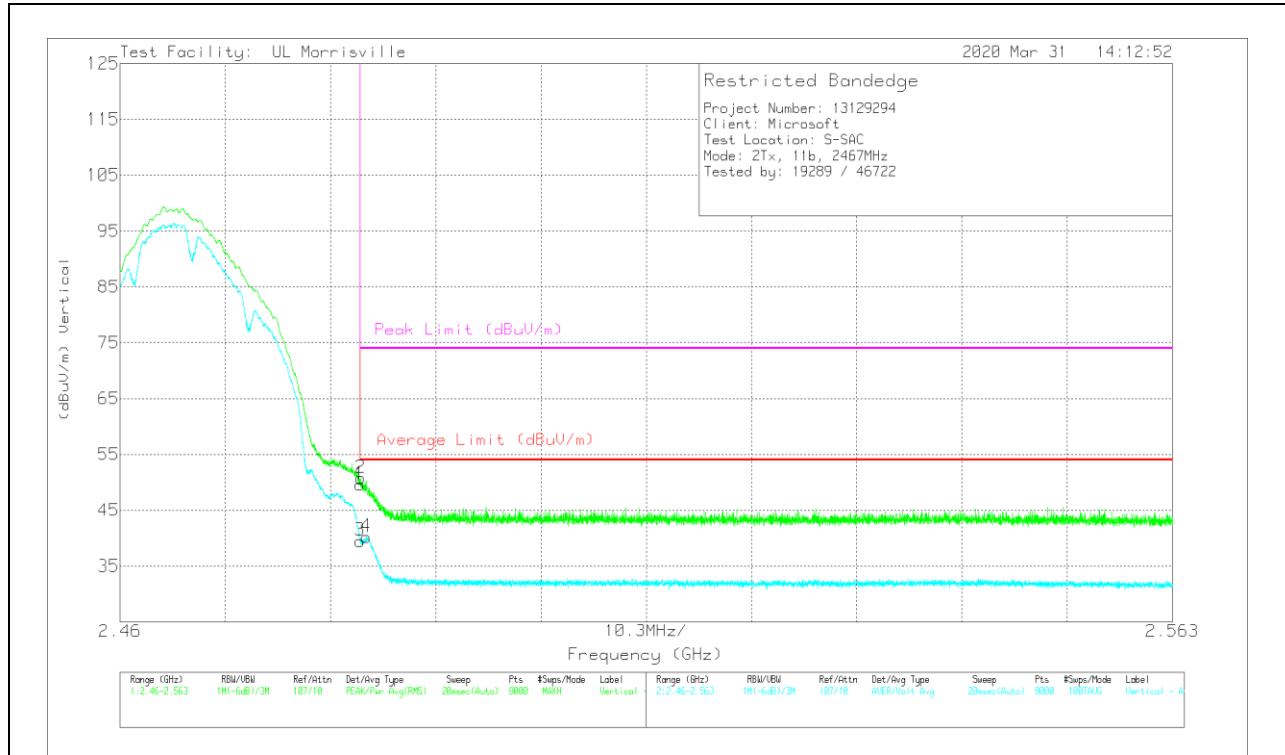
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	40.98	Pk	32.3	-24.1	49.18	-	-	74	-24.82	208	324	H
2	* 2.48353	43.22	Pk	32.3	-24.1	51.42	-	-	74	-22.58	208	324	H
3	* 2.4835	30.62	ADV	32.3	-24.1	38.82	54	-15.18	-	-	208	324	H
4	* 2.48424	32.64	ADV	32.3	-24.1	40.84	54	-13.16	-	-	208	324	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	41.41	Pk	32.3	-24.1	49.61	-	-	74	-24.39	164	369	V
2	* 2.48354	42.57	Pk	32.3	-24.1	50.77	-	-	74	-23.23	164	369	V
3	* 2.4835	31.34	ADV	32.3	-24.1	39.54	54	-14.46	-	-	164	369	V
4	* 2.48412	32.04	ADV	32.3	-24.1	40.24	54	-13.76	-	-	164	369	V

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

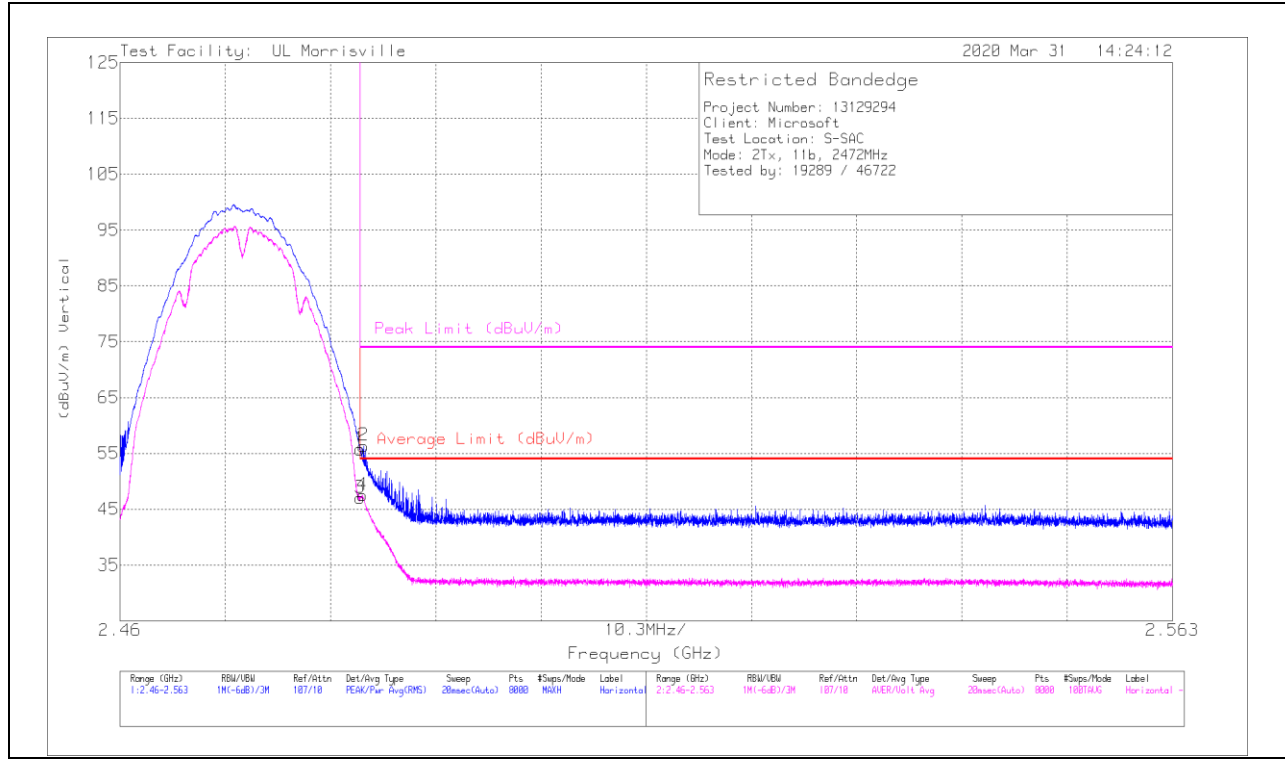
Pk - Peak detector

ADV - U-NII AD primary method, Linear Voltage Average



**BANDEDGE (HIGH CHANNEL, CH 13)**

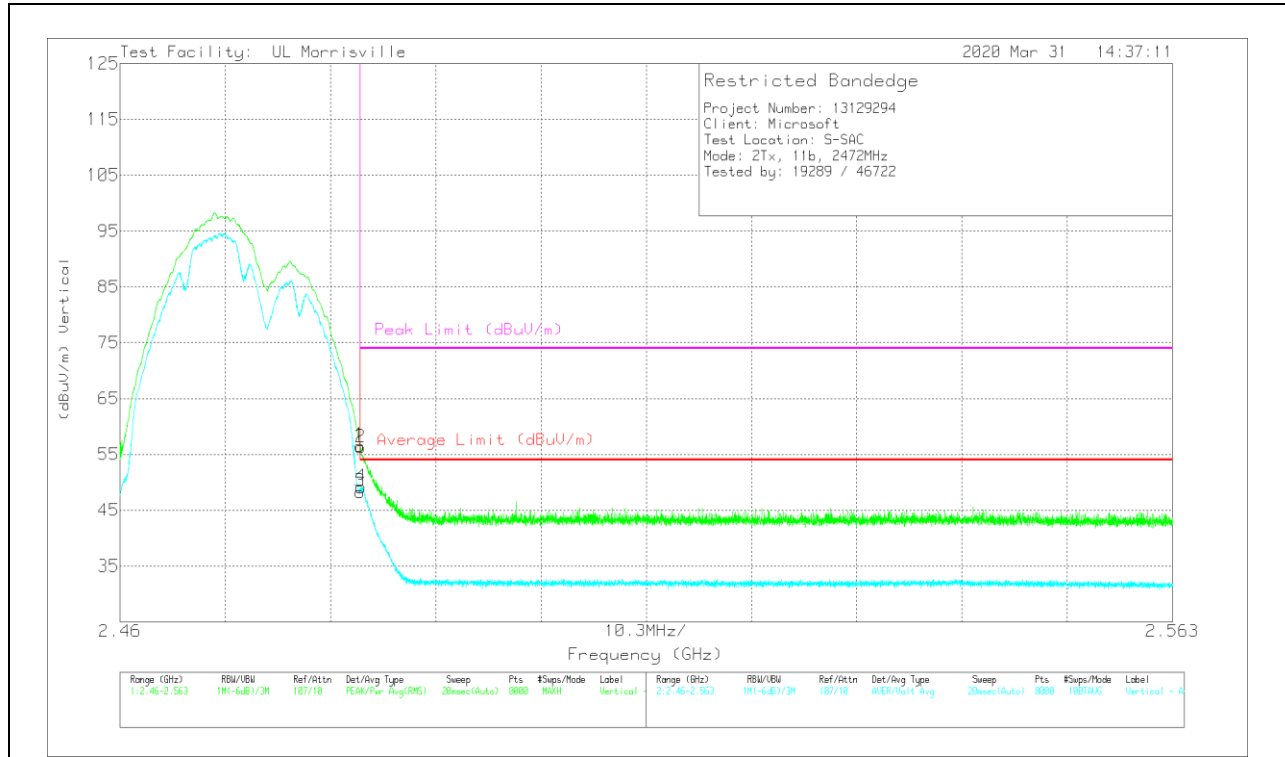
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.55	Pk	32.3	-24.1	55.75	-	-	74	-18.25	1	129	H
2	* 2.48382	48.15	Pk	32.3	-24.1	56.35	-	-	74	-17.65	1	129	H
3	* 2.4835	38.8	ADV	32.3	-24.1	47	54	-7	-	-	1	129	H
4	* 2.48373	39.32	ADV	32.3	-24.1	47.52	54	-6.48	-	-	1	129	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	48.36	Pk	32.3	-24.1	56.56	-	-	74	-17.44	149	292	V
2	* 2.48355	48.07	Pk	32.3	-24.1	56.27	-	-	74	-17.73	149	292	V
3	* 2.4835	40.1	ADV	32.3	-24.1	48.3	54	-5.7	-	-	149	292	V
4	* 2.48358	40.99	ADV	32.3	-24.1	49.19	54	-4.81	-	-	149	292	V

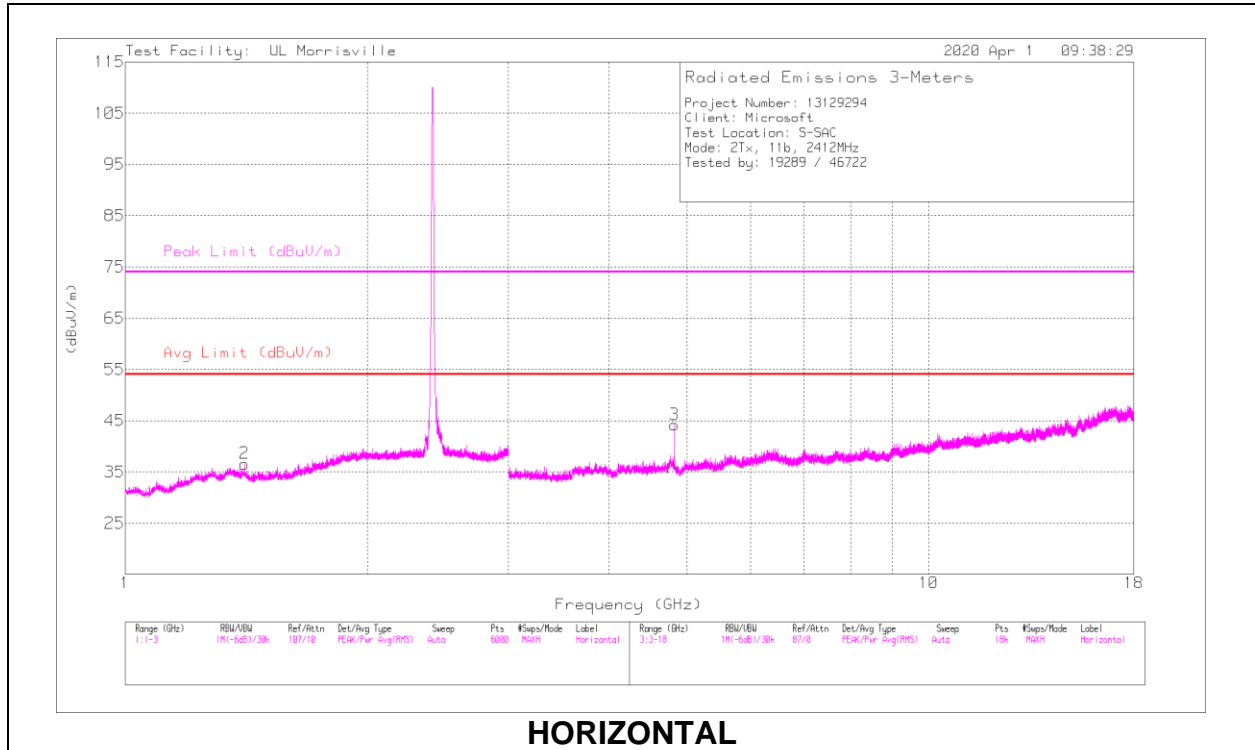
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

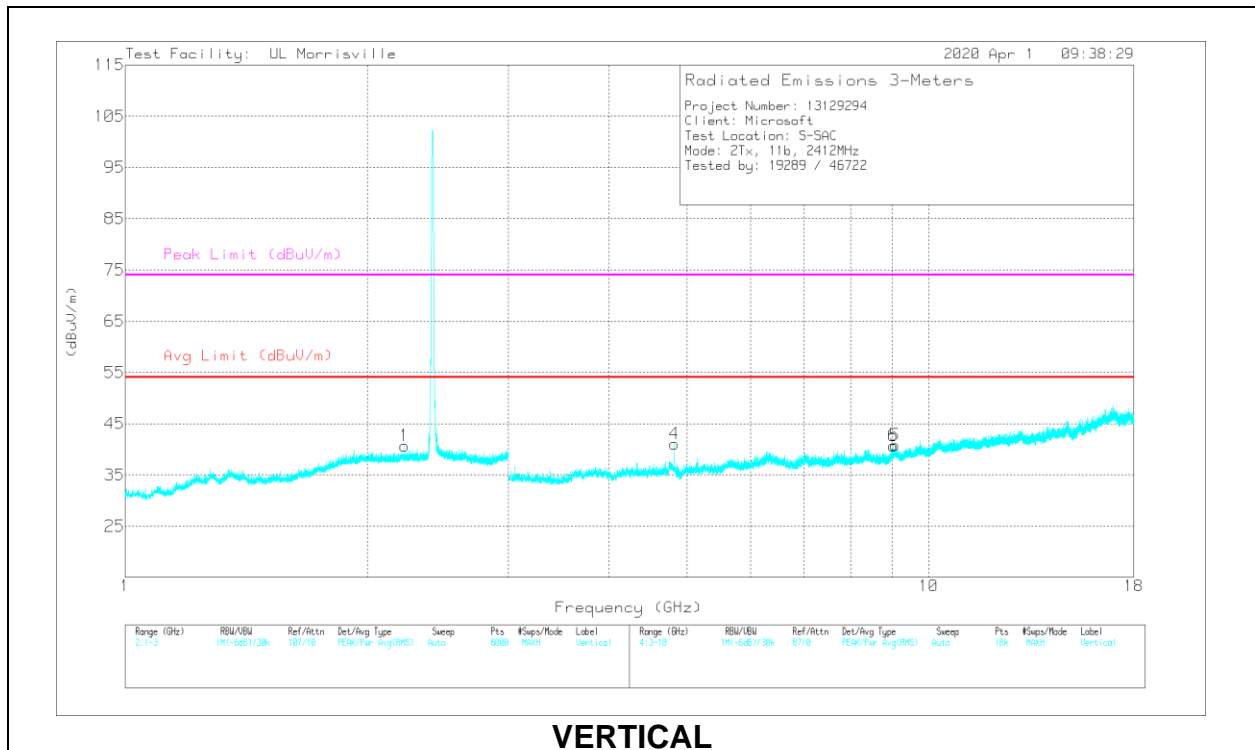
ADV - U-NII AD primary method, Linear Voltage Average

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL, CH 1 RESULTS



**HORIZONTAL**



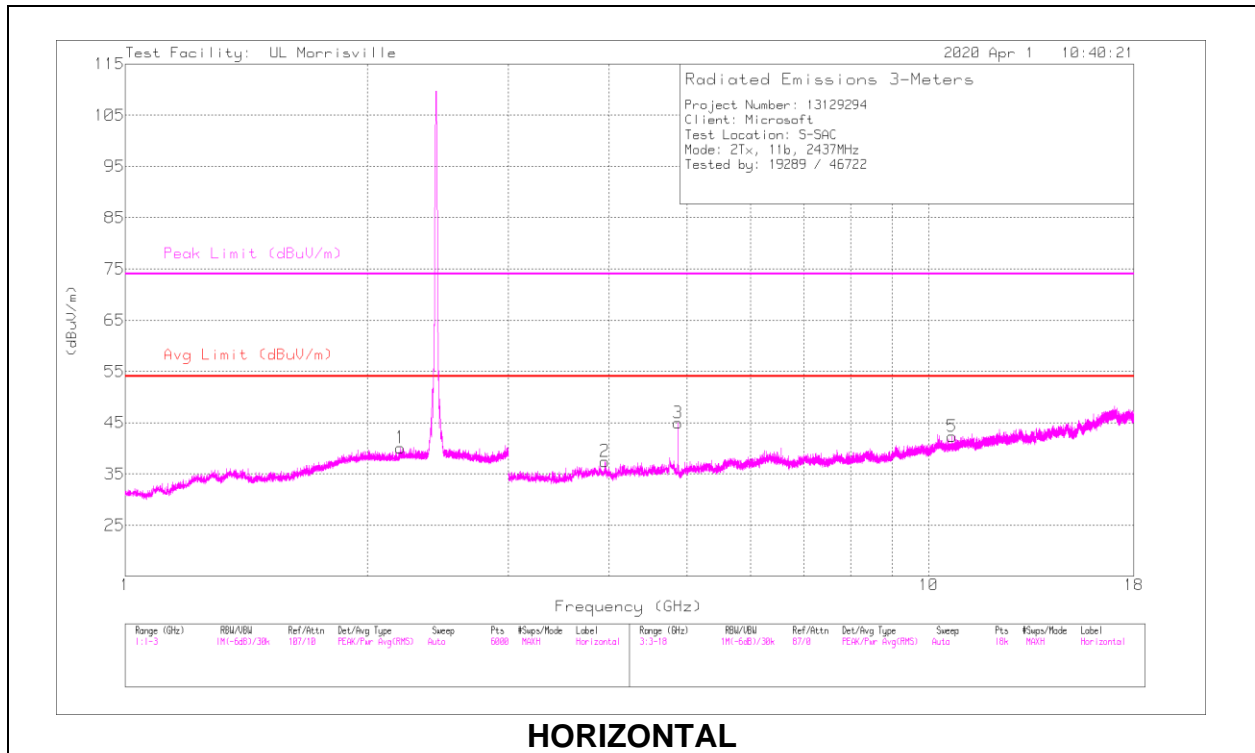
**VERTICAL**

**RADIATED EMISSIONS**

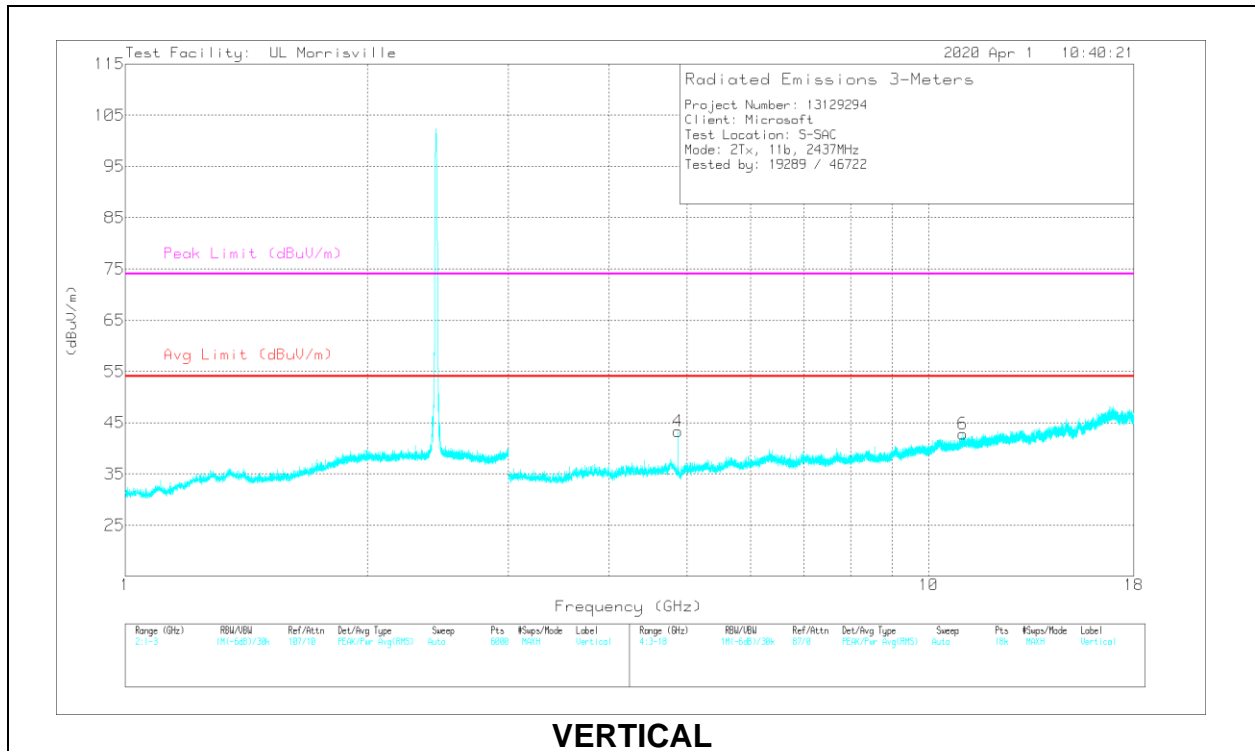
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 1.40896	35.2	PK2	28.6	-22.4	41.4	-	-	74	-32.6	78	391	H
	* 1.4088	22.79	ADV	28.6	-22.4	28.99	54	-25.01	-	-	78	391	H
1	* 2.227	36.48	PK2	31.6	-23	45.08	-	-	74	-28.92	78	391	V
	* 2.22695	23.75	ADV	31.6	-23	32.35	54	-21.65	-	-	78	391	V
3	* 4.82394	45.65	PK2	34.1	-30.4	49.35	-	-	74	-24.65	223	241	H
	* 4.82401	39.68	ADV	34.1	-30.4	43.38	54	-10.62	-	-	223	241	H
4	* 4.82391	45.71	PK2	34.1	-30.4	49.41	-	-	74	-24.59	195	305	V
	* 4.82397	40.79	ADV	34.1	-30.4	44.49	54	-9.51	-	-	195	305	V
5	* 9.08353	35.66	PK2	36.6	-25.3	46.96	-	-	74	-27.04	150	370	V
	* 9.08359	23.27	ADV	36.6	-25.3	34.57	54	-19.43	-	-	150	370	V
6	* 9.04141	36.24	PK2	36.6	-25.9	46.94	-	-	74	-27.06	115	224	V
	* 9.04186	23.7	ADV	36.6	-25.9	34.4	54	-19.6	-	-	115	224	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 ADV - U-NII AD primary method, Linear Voltage Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



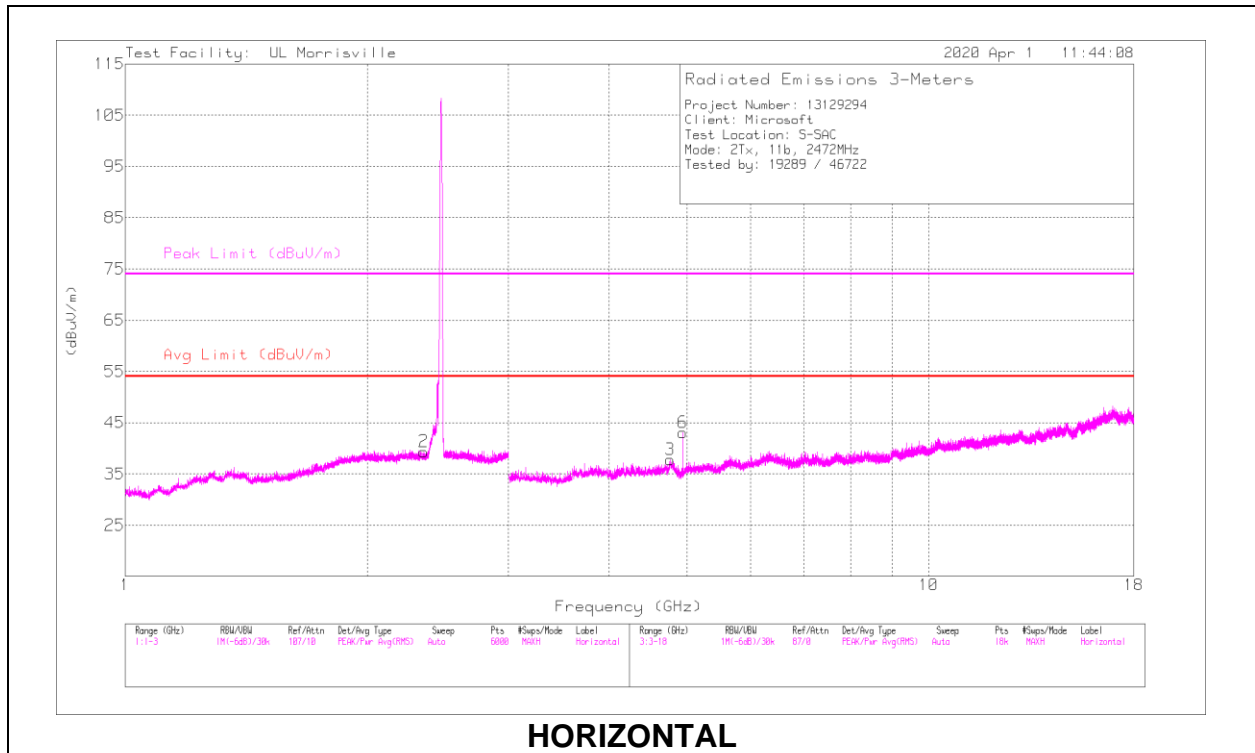
**VERTICAL**

**RADIATED EMISSIONS**

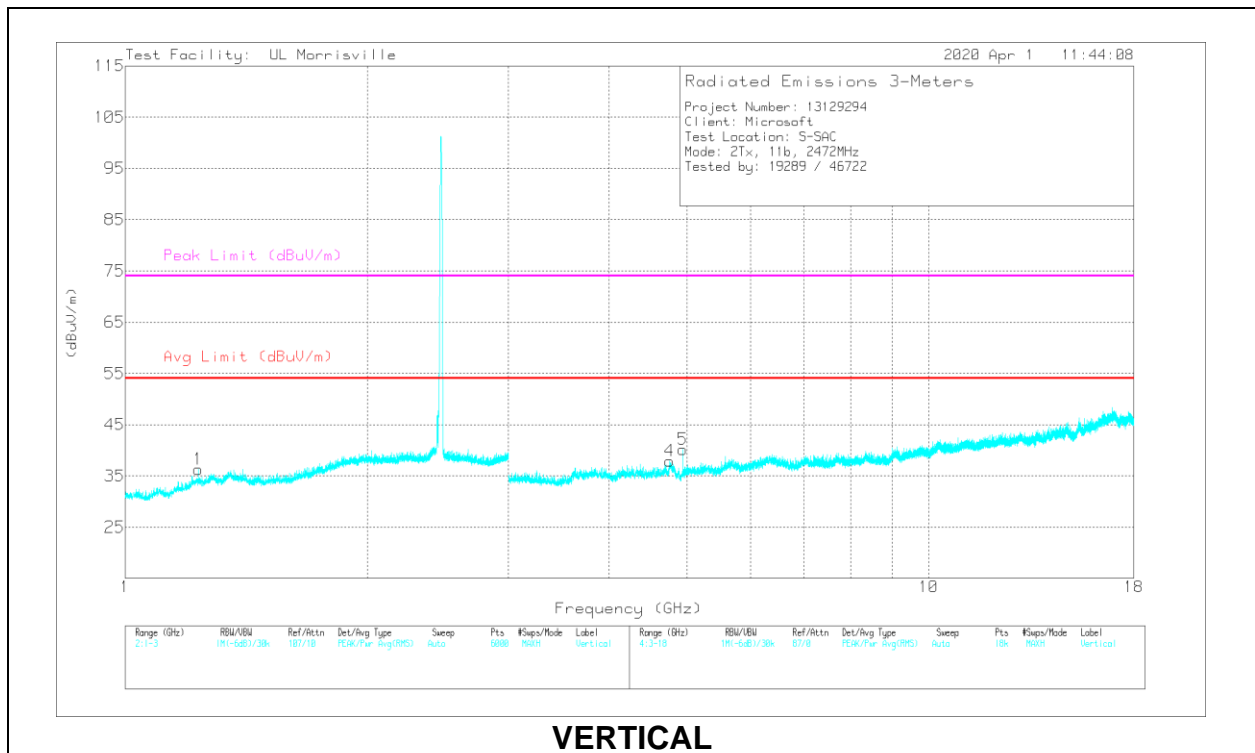
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.20116	36.75	PK2	31.5	-22.8	45.45	-	-	74	-28.55	112	107	H
	* 2.20165	23.68	ADV	31.5	-22.8	32.38	54	-21.62	-	-	112	107	H
2	* 3.95287	40.99	PK2	33.4	-31.3	43.09	-	-	74	-30.91	232	243	H
	* 3.95293	28.52	ADV	33.4	-31.3	30.62	54	-23.38	-	-	232	243	H
3	* 4.87405	44.75	PK2	34	-30.4	48.35	-	-	74	-25.65	229	243	H
	* 4.87401	39.85	ADV	34	-30.4	43.45	54	-10.55	-	-	229	243	H
5	* 10.699	33.87	PK2	37.7	-23.8	47.77	-	-	74	-26.23	95	114	H
	* 10.69922	21.42	ADV	37.7	-23.8	35.32	54	-18.68	-	-	95	114	H
4	* 4.87414	42.45	PK2	34	-30.4	46.05	-	-	74	-27.95	60	105	V
	* 4.87393	34.2	ADV	34	-30.4	37.8	54	-16.2	-	-	60	105	V
6	* 11.02419	34.01	PK2	37.9	-23.4	48.51	-	-	74	-25.49	356	309	V
	* 11.02355	21.83	ADV	37.9	-23.4	36.33	54	-17.67	-	-	356	309	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 ADV - U-NII AD primary method, Linear Voltage Average

### HIGH CHANNEL, CH 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.35353	36.42	PK2	31.7	-23.5	44.62	-	-	74	-29.38	85	293	H
	* 2.35318	23.68	ADV	31.7	-23.5	31.88	54	-22.12	-	-	85	293	H
1	* 1.23281	35.55	PK2	28.8	-23.1	41.25	-	-	74	-32.75	233	200	V
	* 1.23231	22.26	ADV	28.8	-23.1	27.96	54	-26.04	-	-	233	200	V
3	* 4.76981	41.34	PK2	34.1	-31	44.44	-	-	74	-29.56	338	239	H
	* 4.77054	28.11	ADV	34.1	-31	31.21	54	-22.79	-	-	338	239	H
6	* 4.94416	44.54	PK2	34.1	-30.5	48.14	-	-	74	-25.86	249	114	H
	* 4.944	39.05	ADV	34.1	-30.5	42.65	54	-11.35	-	-	249	114	H
4	* 4.76042	41.87	PK2	34.1	-31.1	44.87	-	-	74	-29.13	145	122	V
	* 4.76034	28.35	ADV	34.1	-31.1	31.35	54	-22.65	-	-	145	122	V
5	* 4.94398	42.11	PK2	34.1	-30.5	45.71	-	-	74	-28.29	56	108	V
	* 4.94399	33.08	ADV	34.1	-30.5	36.68	54	-17.32	-	-	56	108	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 ADV - U-NII AD primary method, Linear Voltage Average

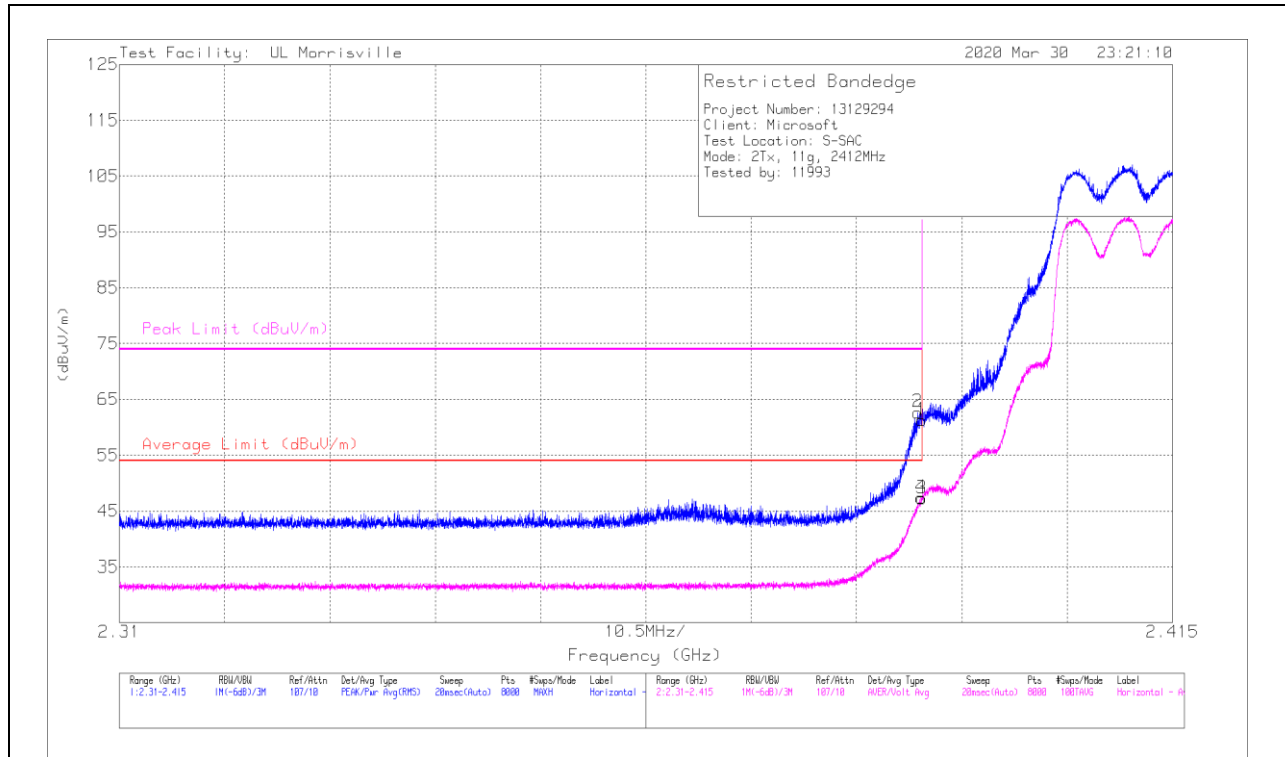


### 10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

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

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

#### HORIZONTAL RESULT



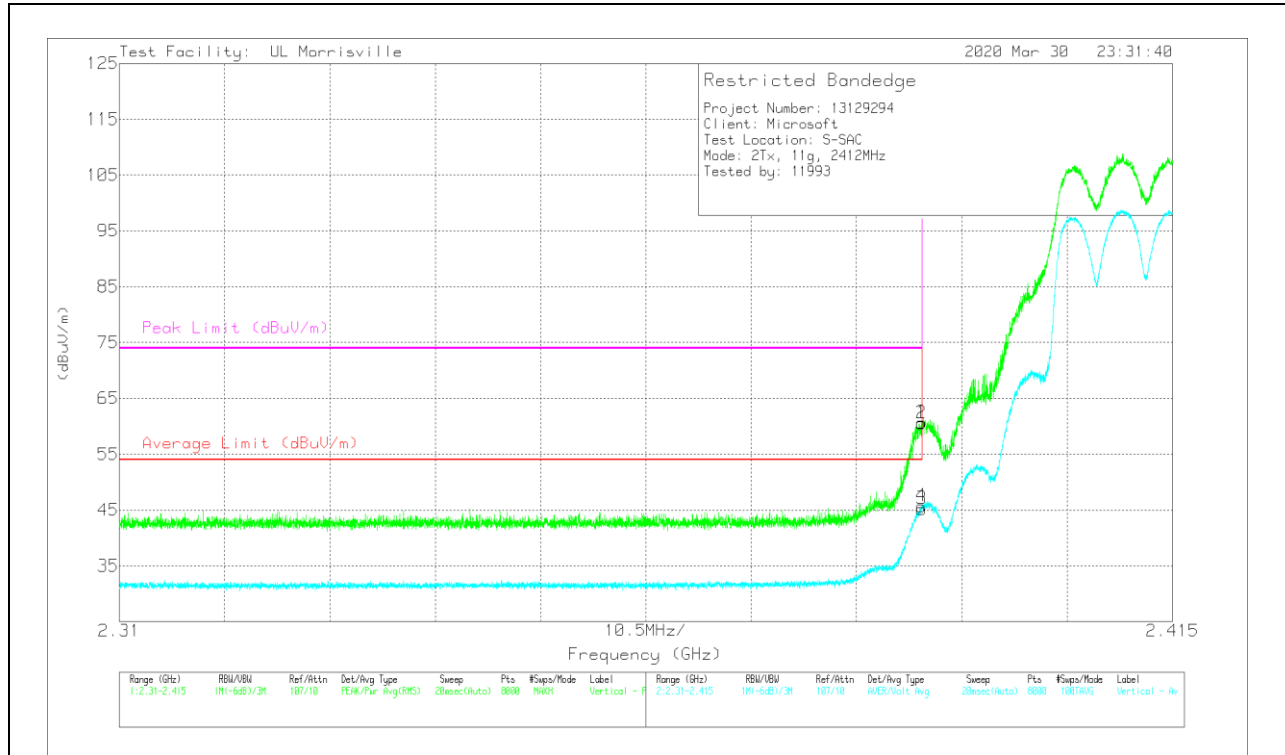
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.01	Pk	31.9	-23.6	61.31	-	-	74	-12.69	12	161	H
2	* 2.38962	54.4	Pk	31.9	-23.6	62.7	-	-	74	-11.3	12	161	H
3	* 2.39	38.98	ADV	31.9	-23.6	47.28	54	-6.72	-	-	12	161	H
4	* 2.38993	39.1	ADV	31.9	-23.6	47.4	54	-6.6	-	-	12	161	H

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

Pk - Peak detector

ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT

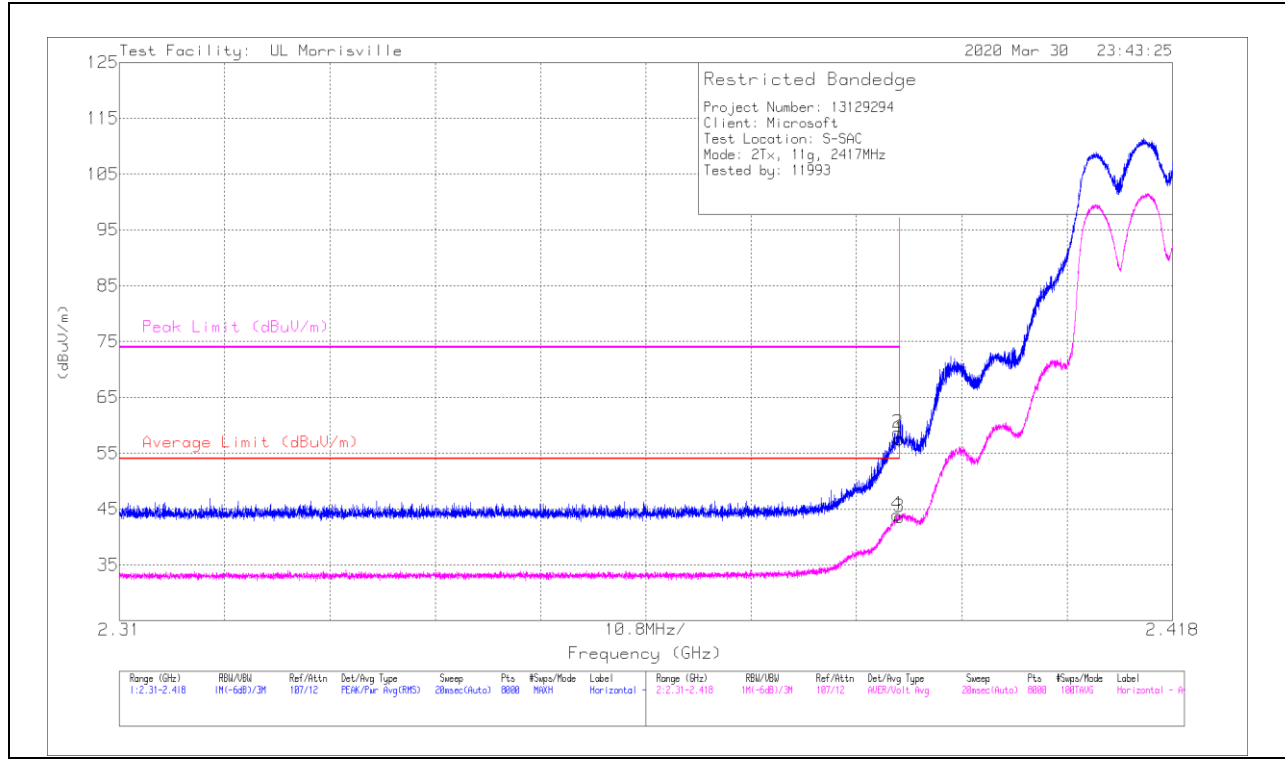


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.33	Pk	31.9	-23.6	60.63	-	-	74	-13.37	156	295	V
2	* 2.38996	52.27	Pk	31.9	-23.6	60.57	-	-	74	-13.43	156	295	V
3	* 2.39	36.87	ADV	31.9	-23.6	45.17	54	-8.83	-	-	156	295	V
4	* 2.38996	37.36	ADV	31.9	-23.6	45.66	54	-8.34	-	-	156	295	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

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

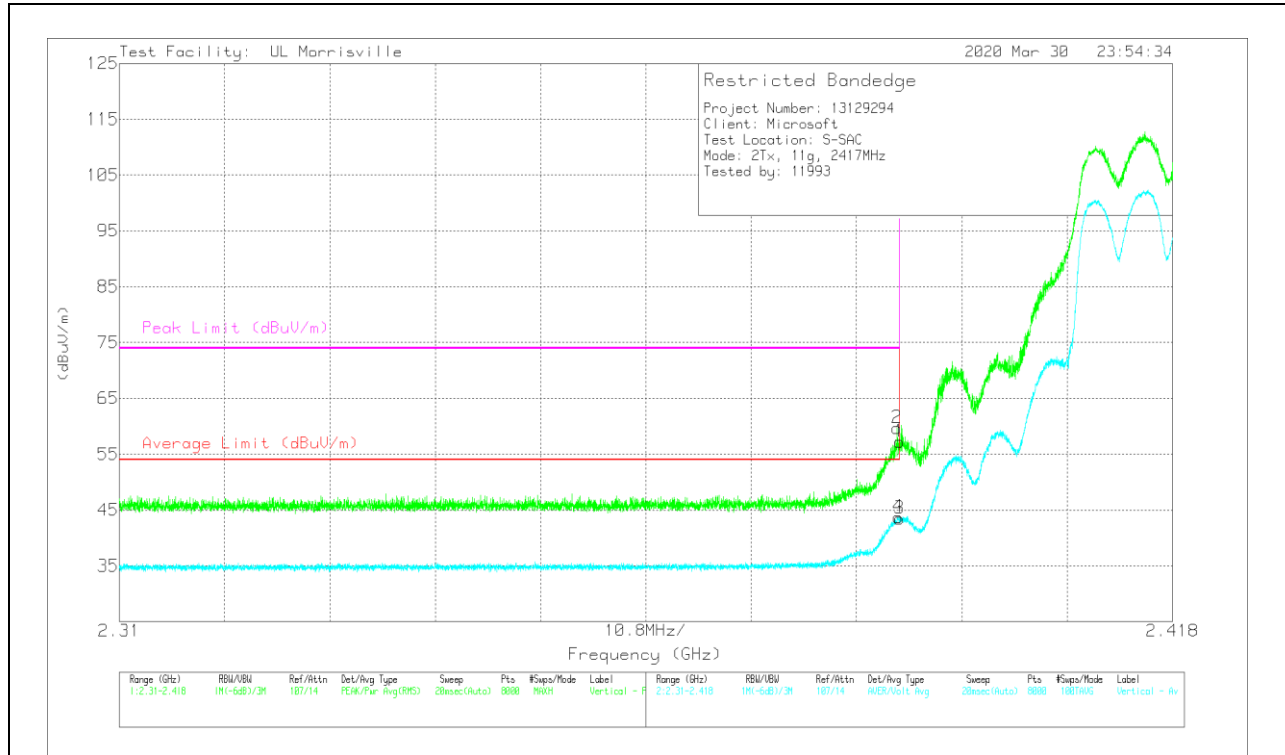
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.14	Pk	31.9	-23.6	57.44	-	-	74	-16.56	42	115	H
2	* 2.38984	50.4	Pk	31.9	-23.6	58.7	-	-	74	-15.3	42	115	H
3	* 2.39	35.31	ADV	31.9	-23.6	43.61	54	-10.39	-	-	42	115	H
4	* 2.38976	35.7	ADV	31.9	-23.6	44	54	-10	-	-	42	115	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT

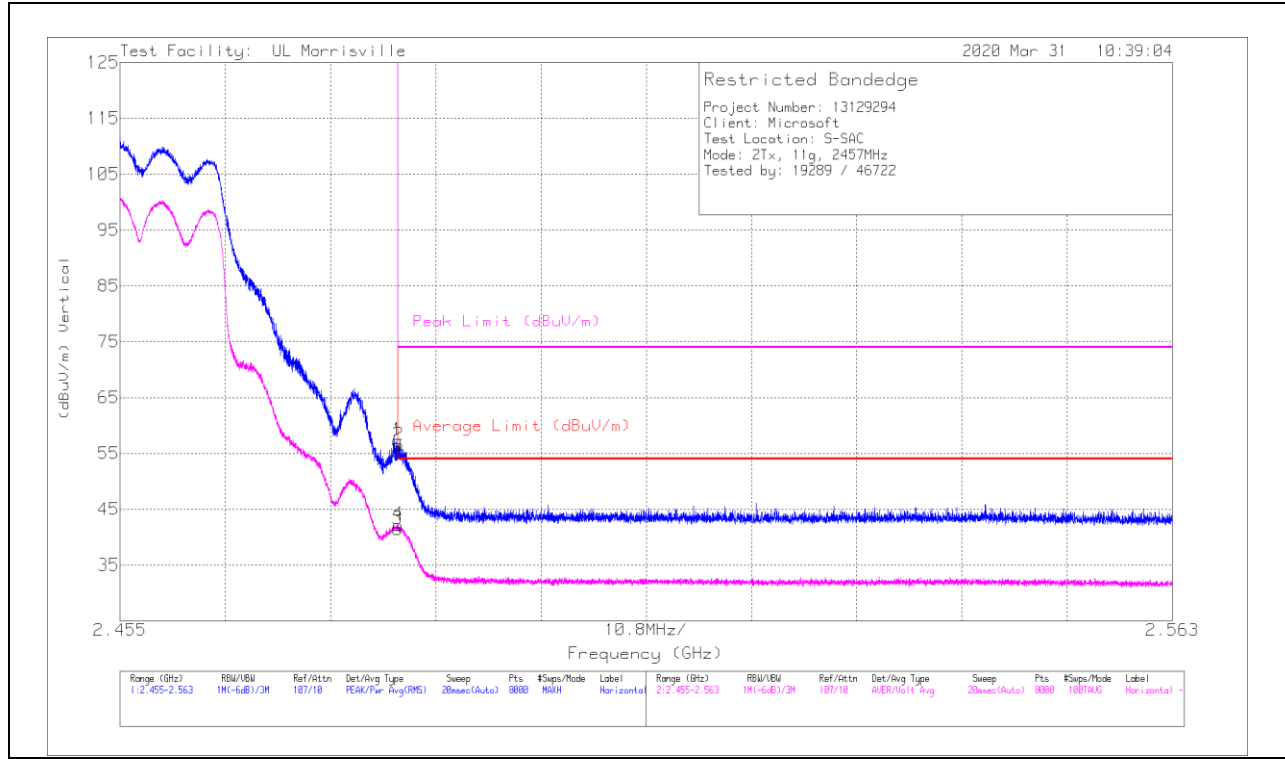


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.95	Pk	31.9	-23.6	57.25	-	-	74	-16.75	150	285	V
2	* 2.38976	51.36	Pk	31.9	-23.6	59.66	-	-	74	-14.34	150	285	V
3	* 2.39	35.18	ADV	31.9	-23.6	43.48	54	-10.52	-	-	150	285	V
4	* 2.38985	35.38	ADV	31.9	-23.6	43.68	54	-10.32	-	-	150	285	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

**BANDEDGE (HIGH CHANNEL, CH 10)**

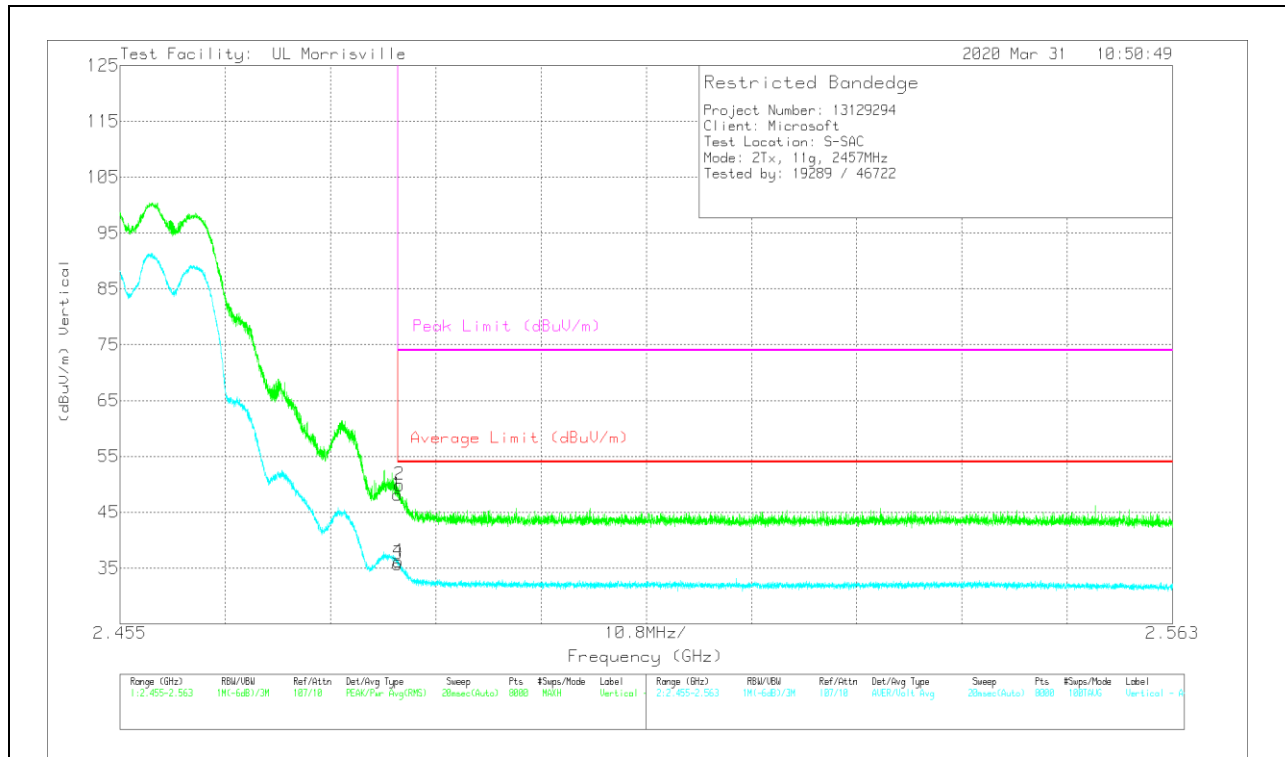
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.12	Pk	32.3	-24.1	57.32	-	-	74	-16.68	20	102	H
2	* 2.48358	48.3	Pk	32.3	-24.1	56.5	-	-	74	-17.5	20	102	H
3	* 2.4835	33.26	ADV	32.3	-24.1	41.46	54	-12.54	-	-	20	102	H
4	* 2.48356	34	ADV	32.3	-24.1	42.2	54	-11.8	-	-	20	102	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT

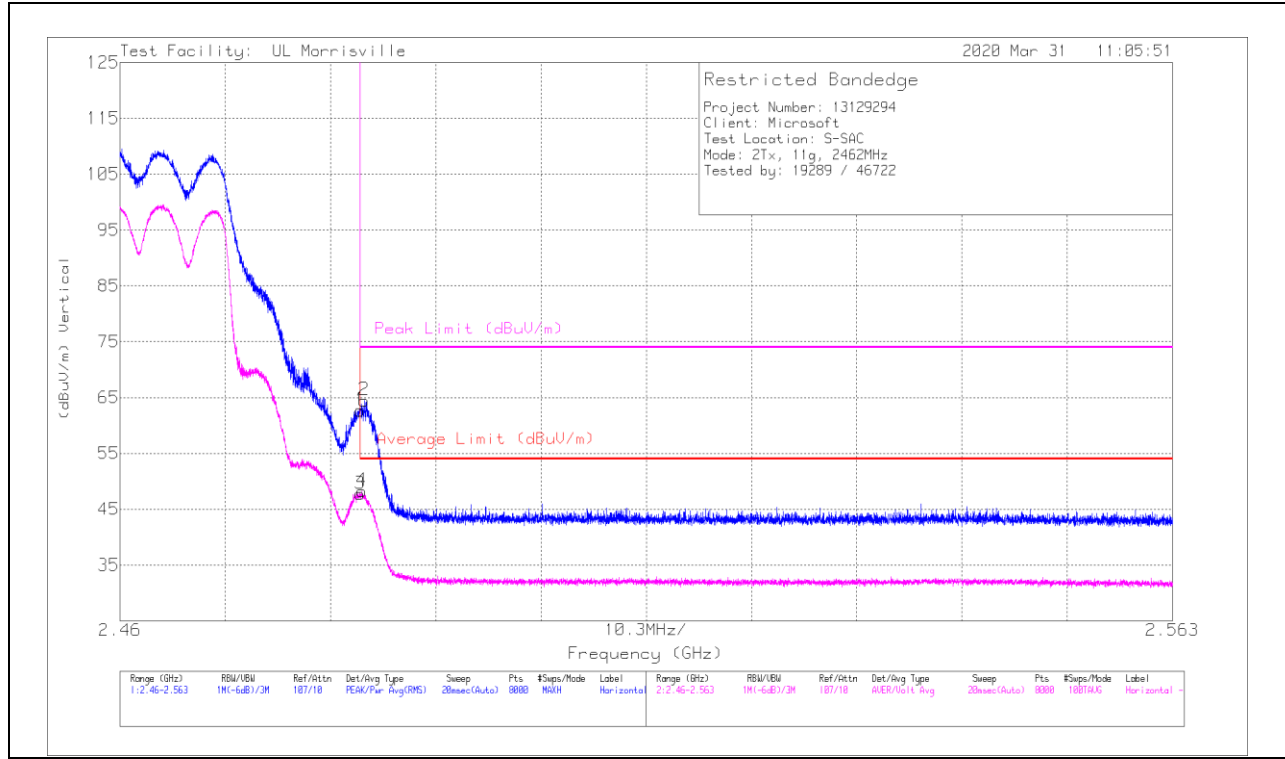


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	39.9	Pk	32.3	-24.1	48.1	-	-	74	-25.9	18	102	V
2	* 2.48368	41.71	Pk	32.3	-24.1	49.91	-	-	74	-24.09	18	102	V
3	* 2.4835	27.51	ADV	32.3	-24.1	35.71	54	-18.29	-	-	18	102	V
4	* 2.48353	27.96	ADV	32.3	-24.1	36.16	54	-17.84	-	-	18	102	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

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

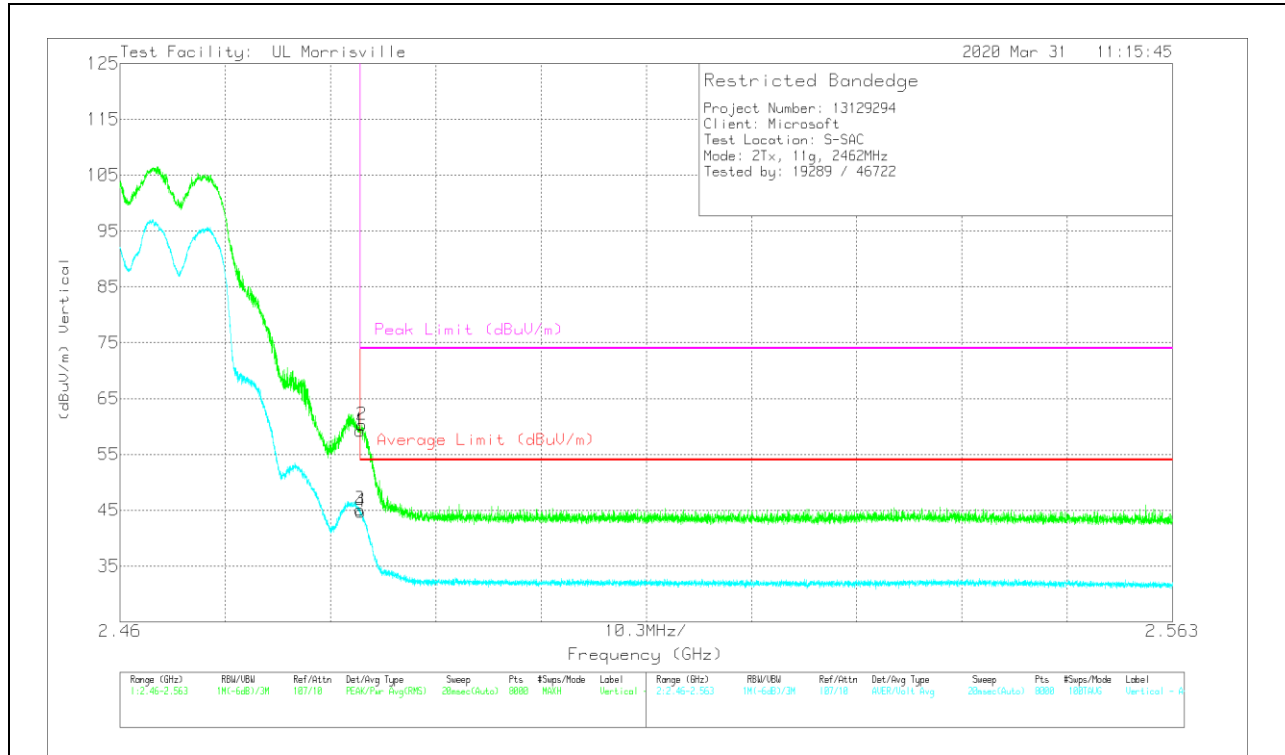
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	54.49	Pk	32.3	-24.1	62.69	-	-	74	-11.31	54	172	H
2	* 2.48389	56.3	Pk	32.3	-24.1	64.5	-	-	74	-9.5	54	172	H
3	* 2.4835	39.56	ADV	32.3	-24.1	47.76	54	-6.24	-	-	54	172	H
4	* 2.48367	40.07	ADV	32.3	-24.1	48.27	54	-5.73	-	-	54	172	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	51.02	Pk	32.3	-24.1	59.22	-	-	74	-14.78	125	323	V
2	* 2.48368	52.11	Pk	32.3	-24.1	60.31	-	-	74	-13.69	125	323	V
3	* 2.4835	36.89	ADV	32.3	-24.1	45.09	54	-8.91	-	-	125	323	V
4	* 2.48355	36.53	ADV	32.3	-24.1	44.73	54	-9.27	-	-	125	323	V

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

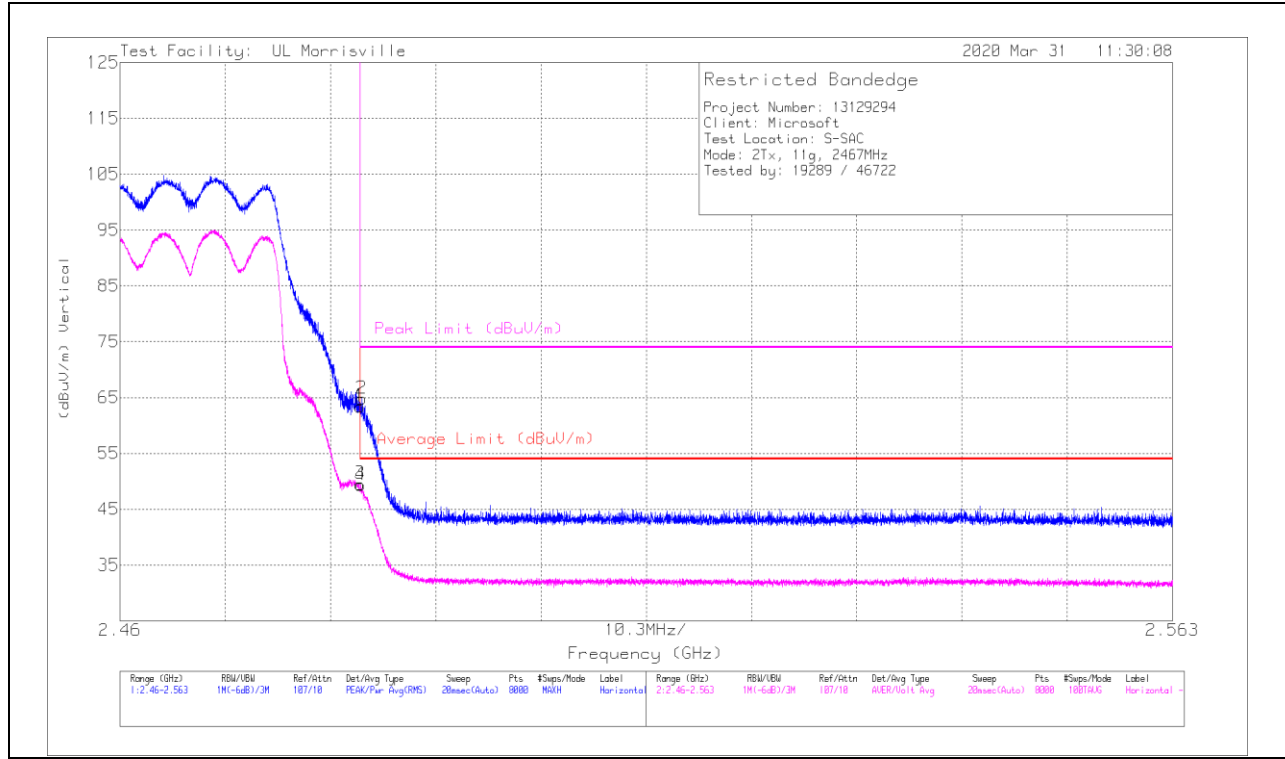
Pk - Peak detector

ADV - U-NII AD primary method, Linear Voltage Average



**BANDEDGE (HIGH CHANNEL, CH 12)**

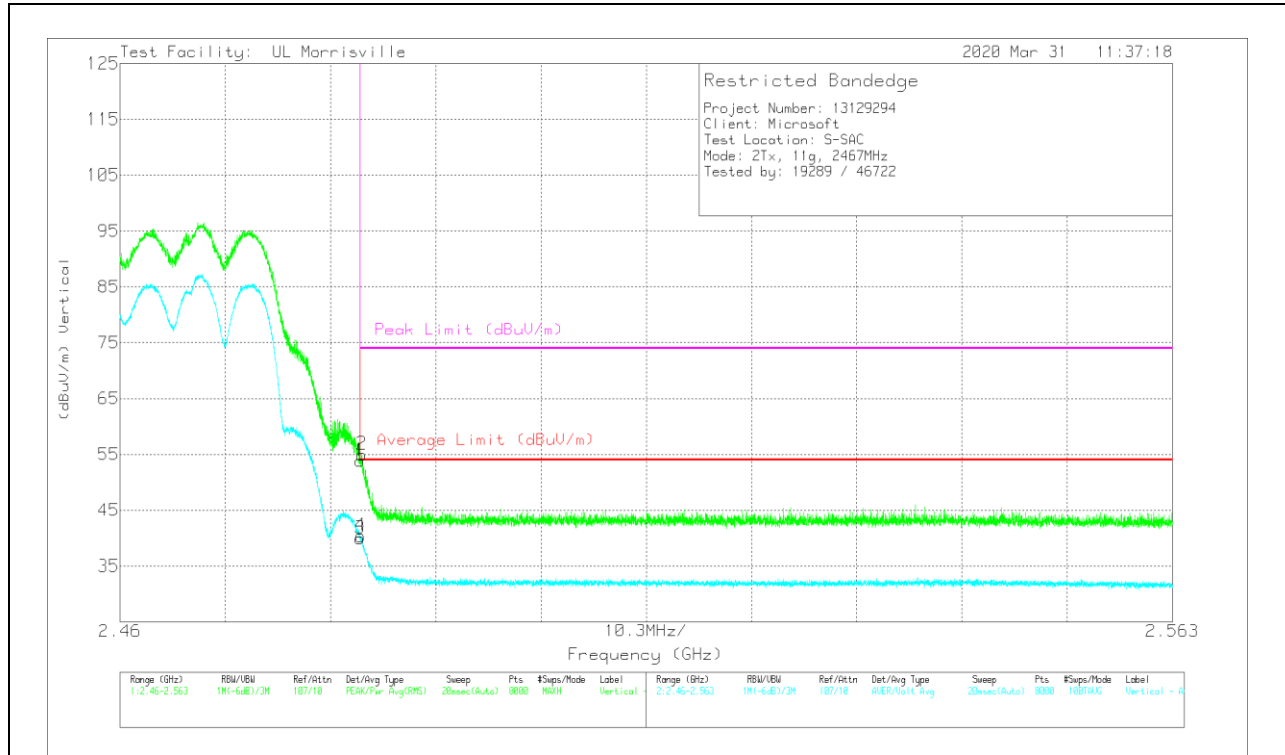
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.17	Pk	32.3	-24.1	63.37	-	-	74	-10.63	22	101	H
2	* 2.48364	56.59	Pk	32.3	-24.1	64.79	-	-	74	-9.21	22	101	H
3	* 2.4835	41.32	ADV	32.3	-24.1	49.52	54	-4.48	-	-	22	101	H
4	* 2.48353	41.17	ADV	32.3	-24.1	49.37	54	-4.63	-	-	22	101	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	45.65	Pk	32.3	-24.1	53.85	-	-	74	-20.15	13	107	V
2	* 2.48368	46.79	Pk	32.3	-24.1	54.99	-	-	74	-19.01	13	107	V
3	* 2.4835	31.75	ADV	32.3	-24.1	39.95	54	-14.05	-	-	13	107	V
4	* 2.48355	32.2	ADV	32.3	-24.1	40.4	54	-13.6	-	-	13	107	V

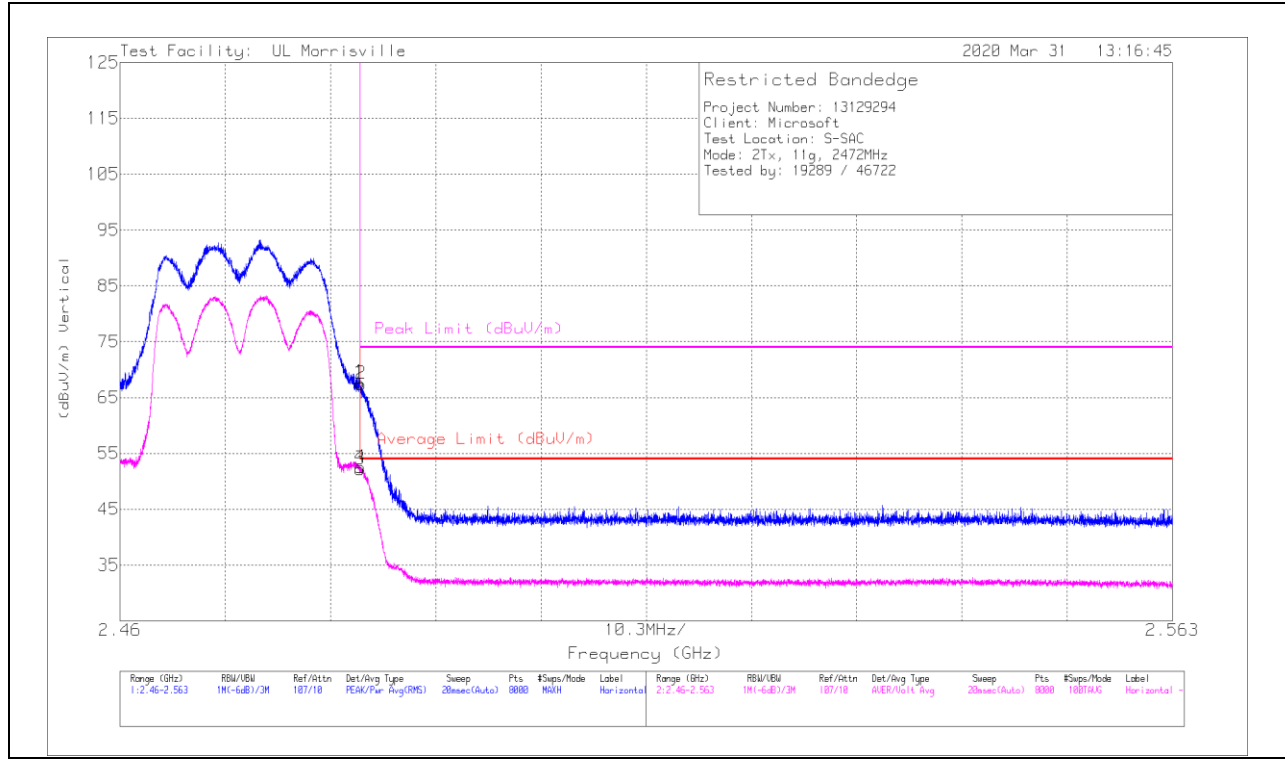
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

ADV - U-NII AD primary method, Linear Voltage Average

**BANDEDGE (HIGH CHANNEL, CH 13)**

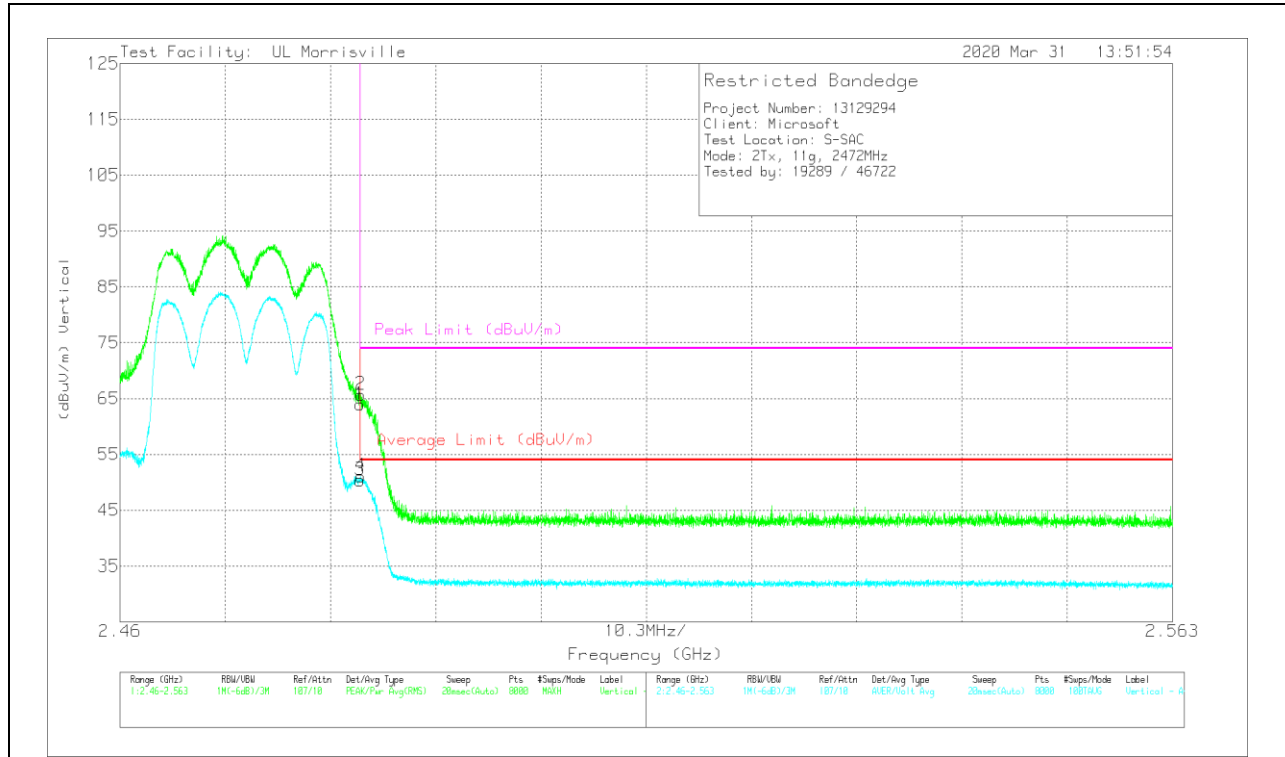
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.46	Pk	32.3	-24.1	67.66	-	-	74	-6.34	58	160	H
2	* 2.48358	59.23	Pk	32.3	-24.1	67.43	-	-	74	-6.57	58	160	H
3	* 2.4835	43.98	ADV	32.3	-24.1	52.18	54	-1.82	-	-	58	160	H
4	* 2.48351	44.3	ADV	32.3	-24.1	52.5	54	-1.5	-	-	58	160	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT

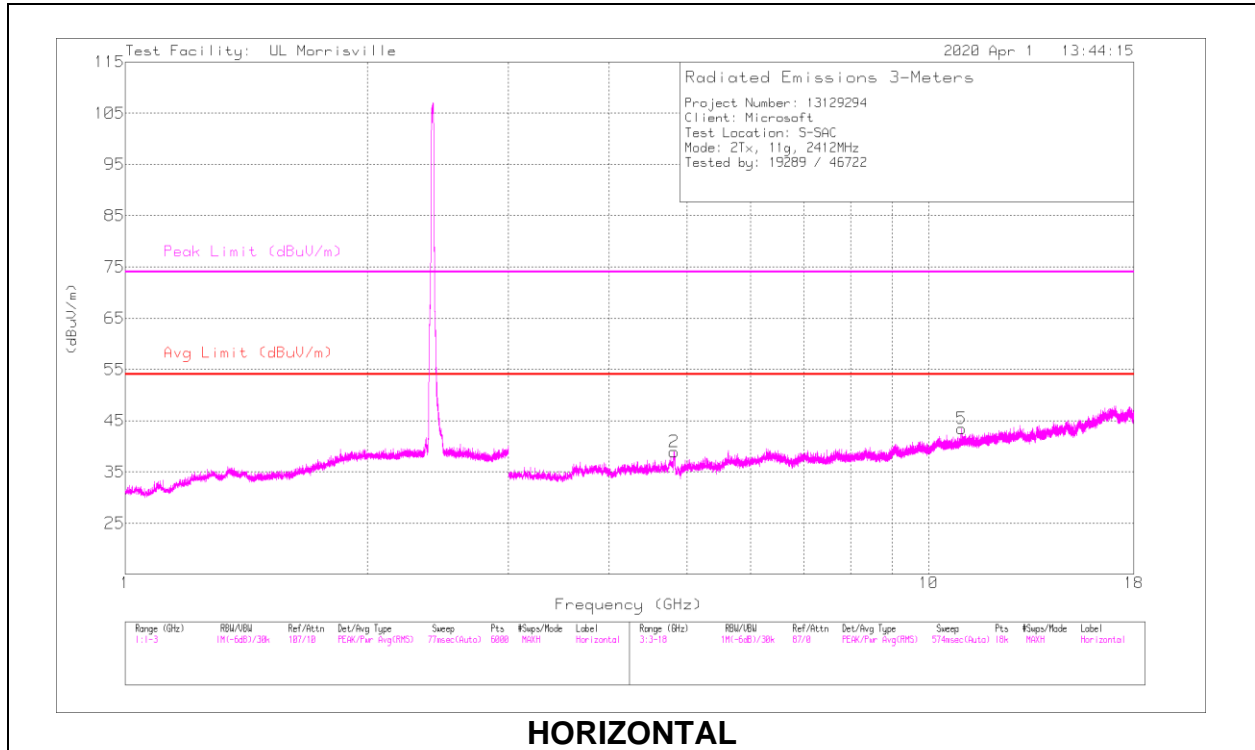


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.75	Pk	32.3	-24.1	63.95	-	-	74	-10.05	152	340	V
2	* 2.48355	57.51	Pk	32.3	-24.1	65.71	-	-	74	-8.29	152	340	V
3	* 2.4835	42.19	ADV	32.3	-24.1	50.39	54	-3.61	-	-	152	340	V
4	* 2.48355	42.89	ADV	32.3	-24.1	51.09	54	-2.91	-	-	152	340	V

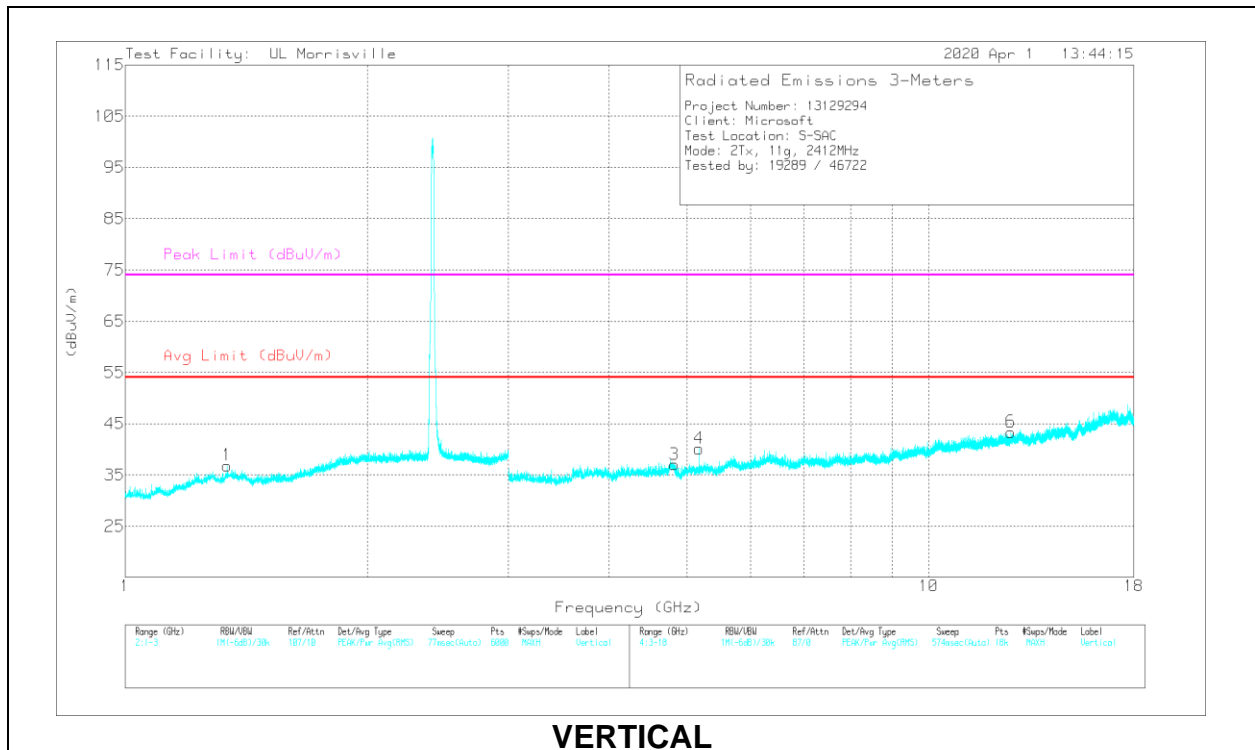
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 ADV - U-NII AD primary method, Linear Voltage Average

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL, CH 1 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

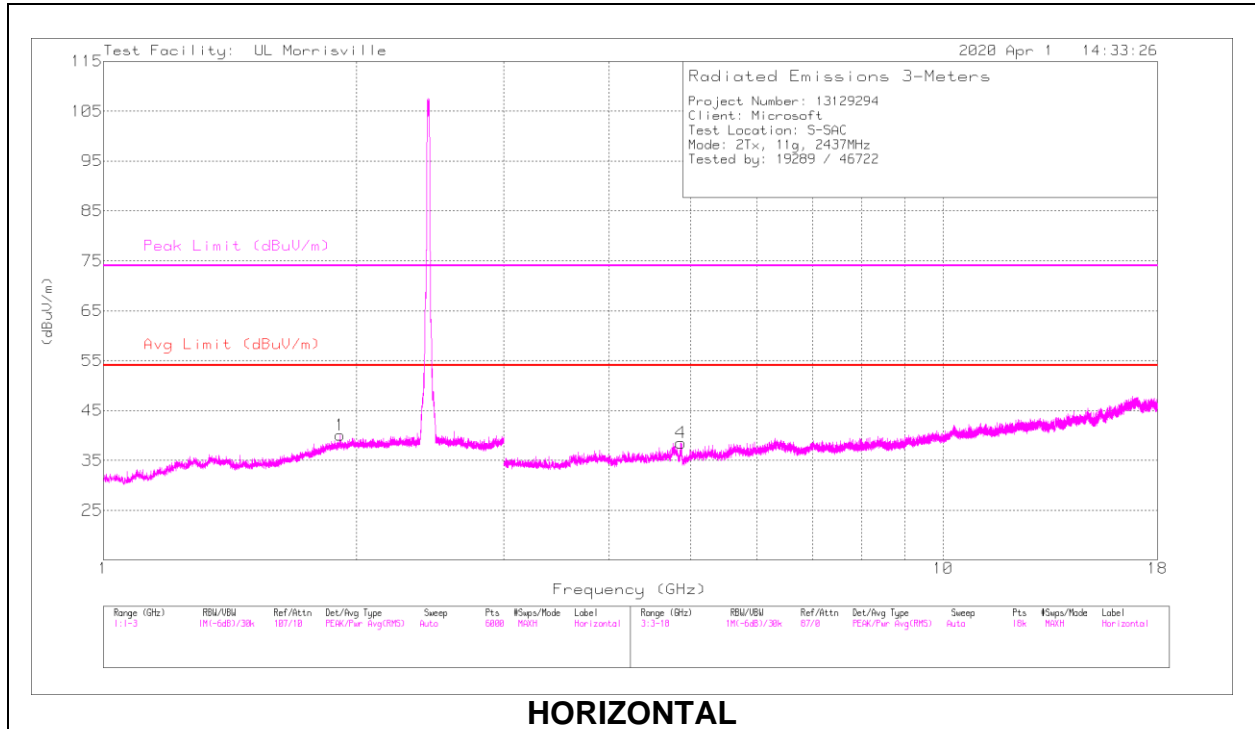
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/FI trr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.33876	35.14	PK2	29.1	-22.6	41.64	-	-	74	-32.36	302	109	V
	* 1.3388	22.38	ADV	29.1	-22.6	28.88	54	-25.12	-	-	302	109	V
2	* 4.82083	44.74	PK2	34.1	-30.4	48.44	-	-	74	-25.56	216	125	H
	* 4.82083	30.88	ADV	34.1	-30.4	34.58	54	-19.42	-	-	216	125	H
5	* 10.99841	33.77	PK2	37.9	-23.4	48.27	-	-	74	-25.73	113	208	H
	* 10.9982	20.82	ADV	37.9	-23.4	35.32	54	-18.68	-	-	113	208	H
3	* 4.82678	42.02	PK2	34.1	-30.3	45.82	-	-	74	-28.18	176	283	V
	* 4.82667	28.61	ADV	34.1	-30.3	32.41	54	-21.59	-	-	176	283	V
4	5.18084	40.1	PK2	34.3	-30.9	43.5	-	-	-	-	81	358	V
6	* 12.65233	33.65	PK2	39.1	-23.3	49.45	-	-	74	-24.55	217	320	V
	* 12.65204	20.55	ADV	39.1	-23.3	36.35	54	-17.65	-	-	217	320	V

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

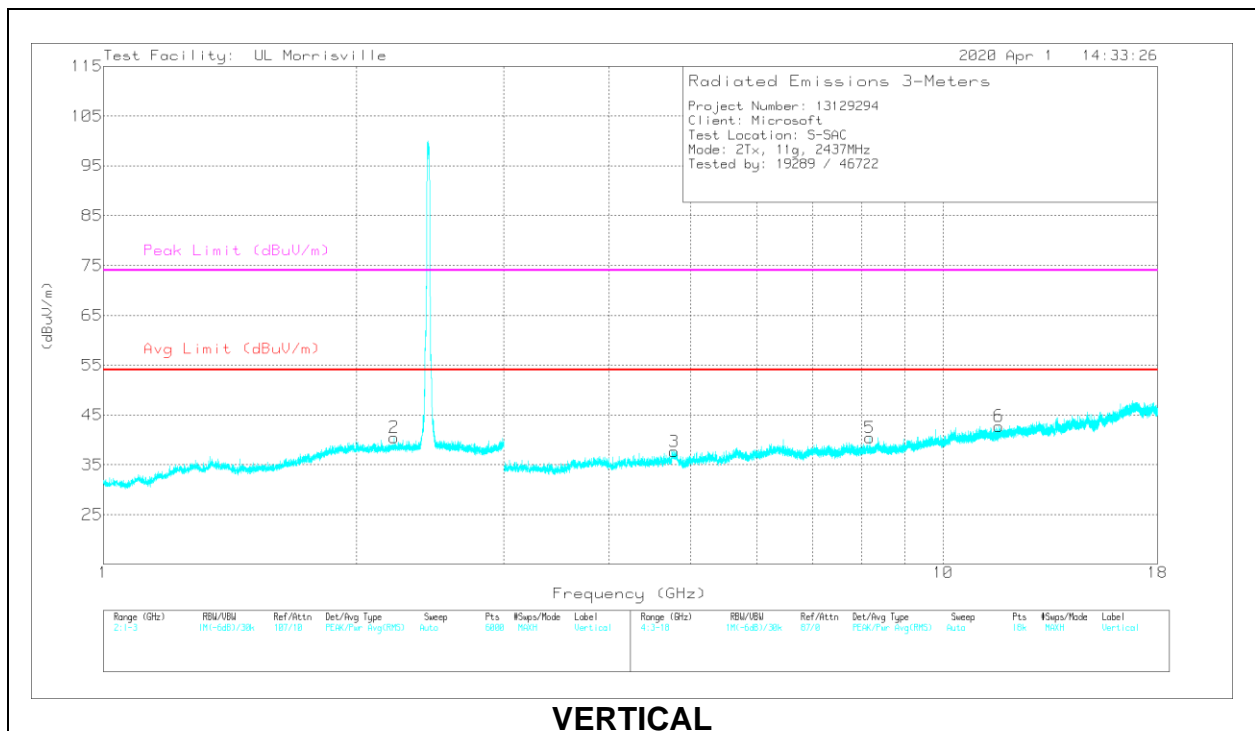
PK2 - KDB558074 Method: Maximum Peak

ADV - U-NII AD primary method, Linear Voltage Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

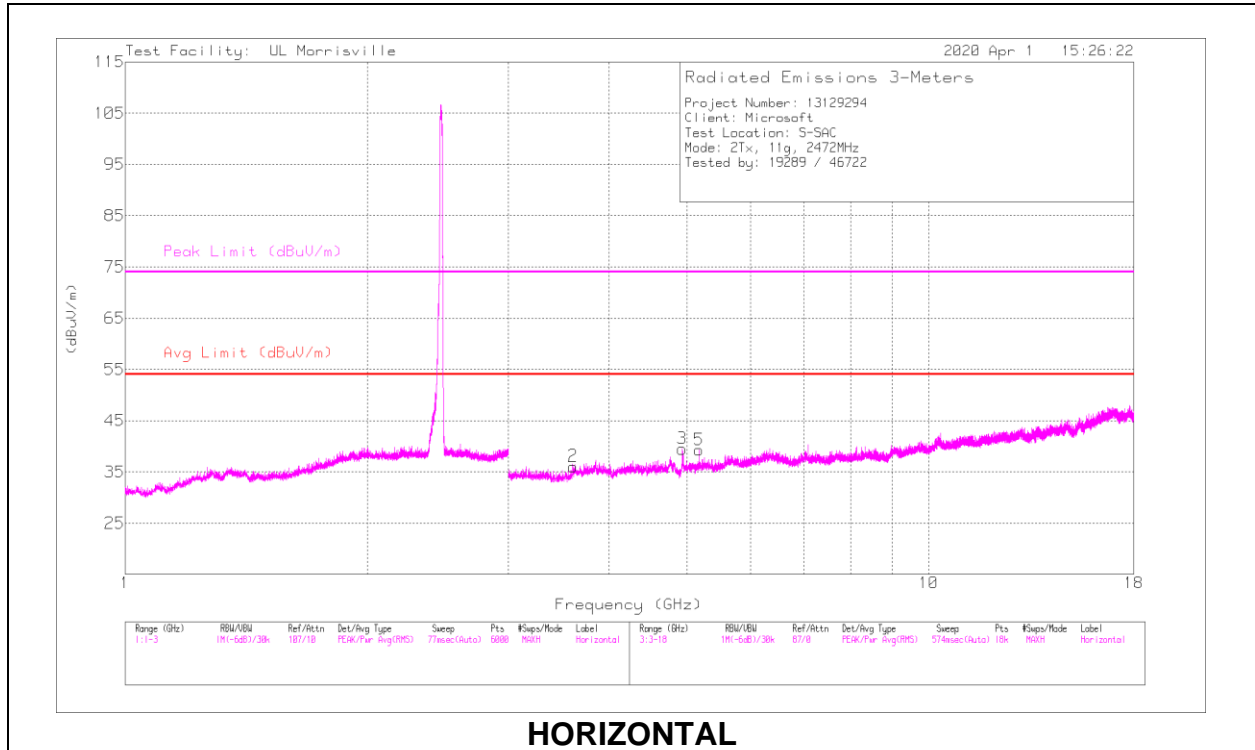
**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.91594	35.86	PK2	31.1	-22	44.96	-	-	-	-	61	272	H
2	* 2.21918	36.6	PK2	31.6	-23	45.2	-	-	74	-28.8	233	126	V
	* 2.21956	23.28	ADV	31.6	-23	31.88	54	-22.12	-	-	233	126	V
4	* 4.872	43.57	PK2	34	-30.4	47.17	-	-	74	-26.83	241	139	H
	* 4.8713	29.98	ADV	34	-30.4	33.58	54	-20.42	-	-	241	139	H
3	* 4.78058	40.54	PK2	34.1	-30.8	43.84	-	-	74	-30.16	190	399	V
	* 4.78026	27.68	ADV	34.1	-30.8	30.98	54	-23.02	-	-	190	399	V
5	* 8.17643	36.27	PK2	36	-26.6	45.67	-	-	74	-28.33	5	314	V
	* 8.17615	22.94	ADV	36	-26.6	32.34	54	-21.66	-	-	5	314	V
6	* 11.64837	34.34	PK2	38.4	-23.7	49.04	-	-	74	-24.96	138	266	V
	* 11.64793	20.91	ADV	38.4	-23.7	35.61	54	-18.39	-	-	138	266	V

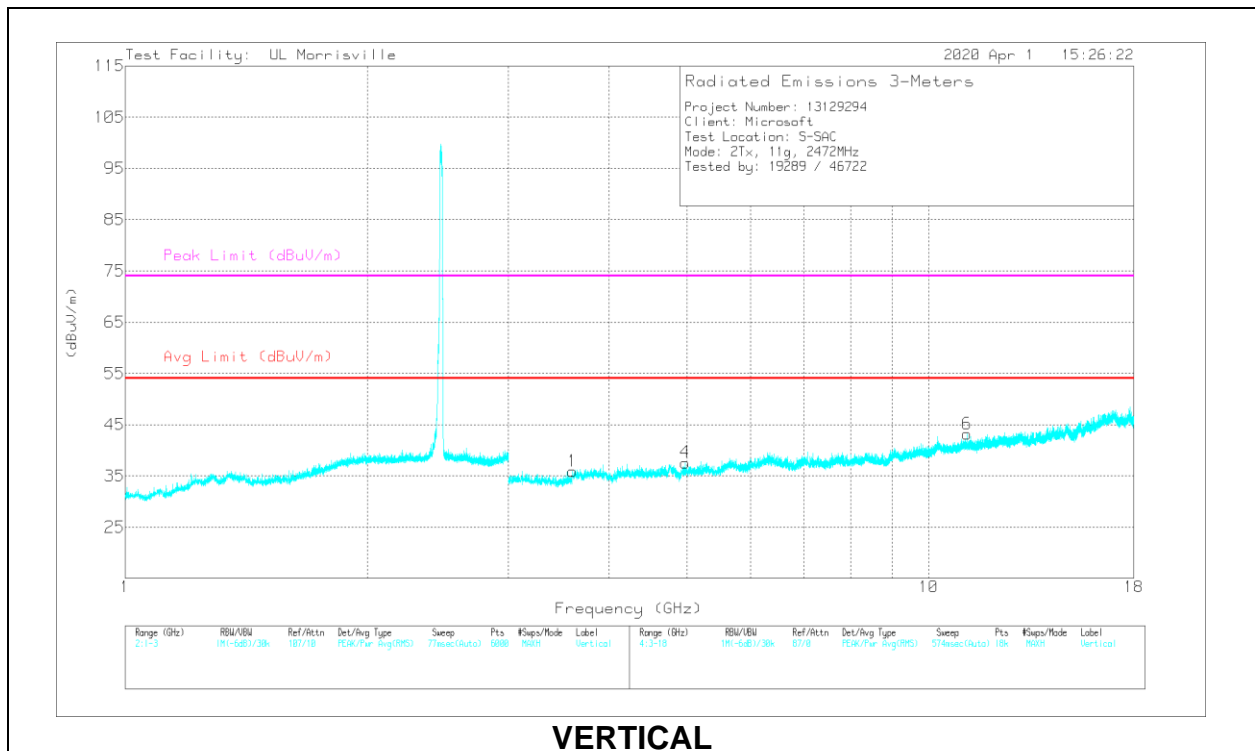
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 ADV - U-NII AD primary method, Linear Voltage Average



### HIGH CHANNEL, CH 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.61062	40.86	PK2	32.9	-31.5	42.26	-	-	74	-31.74	137	303	H
	* 3.61076	27.79	ADV	32.9	-31.5	29.19	54	-24.81	-	-	137	303	H
3	* 4.93616	43.19	PK2	34	-30.5	46.69	-	-	74	-27.31	247	103	H
	* 4.93605	29.56	ADV	34	-30.5	33.06	54	-20.94	-	-	247	103	H
5	5.17691	39.68	PK2	34.3	-30.8	43.18	-	-	-	-	29	158	H
1	* 3.60166	40.96	PK2	32.9	-31.3	42.56	-	-	74	-31.44	220	198	V
	* 3.60153	27.85	ADV	32.9	-31.3	29.45	54	-24.55	-	-	220	198	V
4	* 4.97424	40.26	PK2	34.1	-30.7	43.66	-	-	74	-30.34	117	152	V
	* 4.97482	26.61	ADV	34.1	-30.7	30.01	54	-23.99	-	-	117	152	V
6	* 11.1681	34.04	PK2	38	-23.5	48.54	-	-	74	-25.46	86	238	V
	* 11.16771	21.09	ADV	38	-23.5	35.59	54	-18.41	-	-	86	238	V

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

PK2 - KDB558074 Method: Maximum Peak

ADV - U-NII AD primary method, Linear Voltage Average