



# TEST REPORT

**Report Number:** 14040866-E5V4 & E6V4

**Applicant :** APPLE, INC.  
1 APPLE PARK WAY  
CUPERTINO, CA 95014, U.S.A.

**Model :** A2651 (Parent Model, Full Test)  
A2893, A2894, A2895, A2896 (Variant Models)

**FCC ID :** BCG-E8141A (Parent Model)  
BCG-E8154A, BCG-E8155A, BCG-E8156A (Variant Models)

**IC :** 579C-E8141A (Parent Model)  
579C-E8154A, 579C-E8155A, 579C-E8156A (Variant Models)

**EUT Description :** SMARTPHONE

**Test Standard(s) :** FCC 47 CFR PART 15 SUBPART E  
ISED RSS-247 ISSUE 2  
ISED RSS-GEN ISSUE 5 + A1 + A2

**Date Of Issue:**  
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**REPORT REVISION HISTORY**

Rev.	Issue Date	Revisions	Revised By
V1	7/21/2022	Initial Issue	Chin Pang
V2	7/29/2022	Address TCB's questions on BE looks 1TX but is MIMO mode	Chin Pang
		Address TCB's questions on page 421-425, page 462-463	Chin Pang
V3	8/08/2022	Address TCB Feedback on radiated plot labels	Francisco Guarnero
V4	8/09/2022	Address TCB Feedback on 5.3GHz RSE plots	Francisco Guarnero

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# 1. 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)

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 1GHz and 1.5 meters above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

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

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

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest 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 report in the table) using 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.

### **RESULTS**

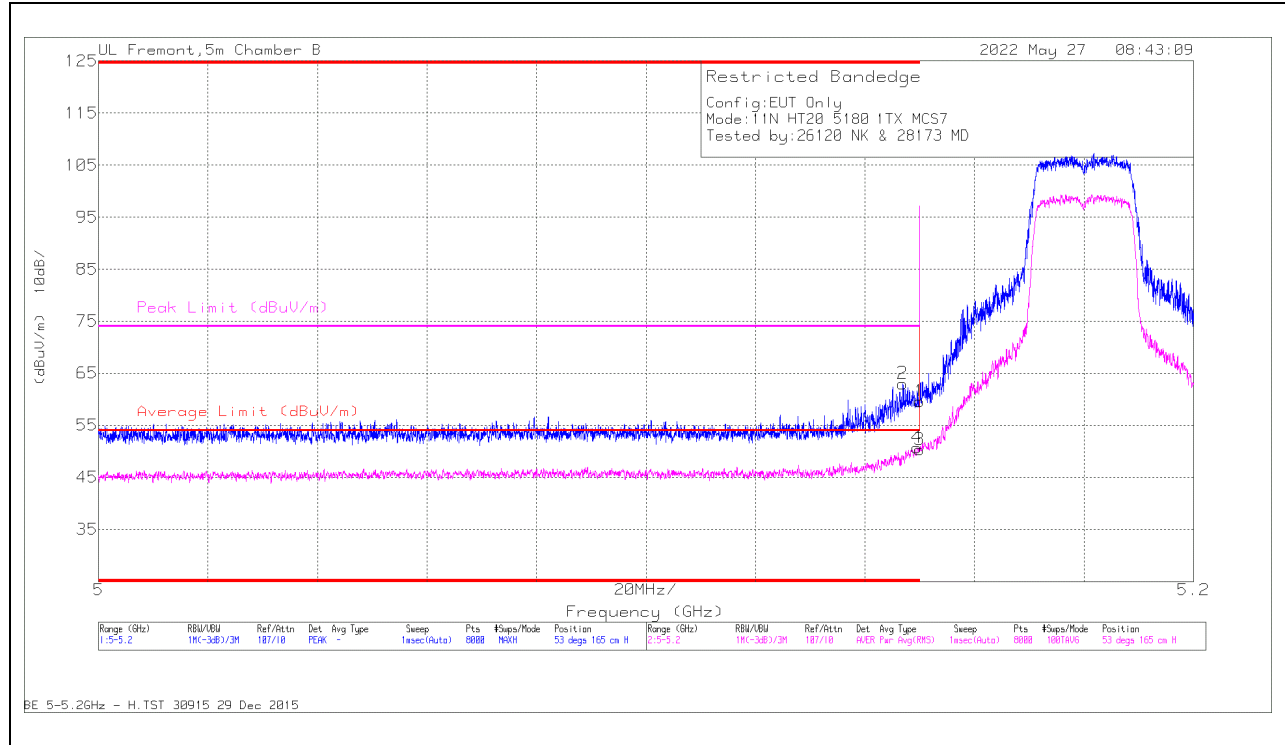
### 1.1. TRANSMITTER ABOVE 1 GHz

#### 1.1.1. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

##### 1TX Antenna 6 MODE

##### BANDEDGE (LOW CHANNEL)

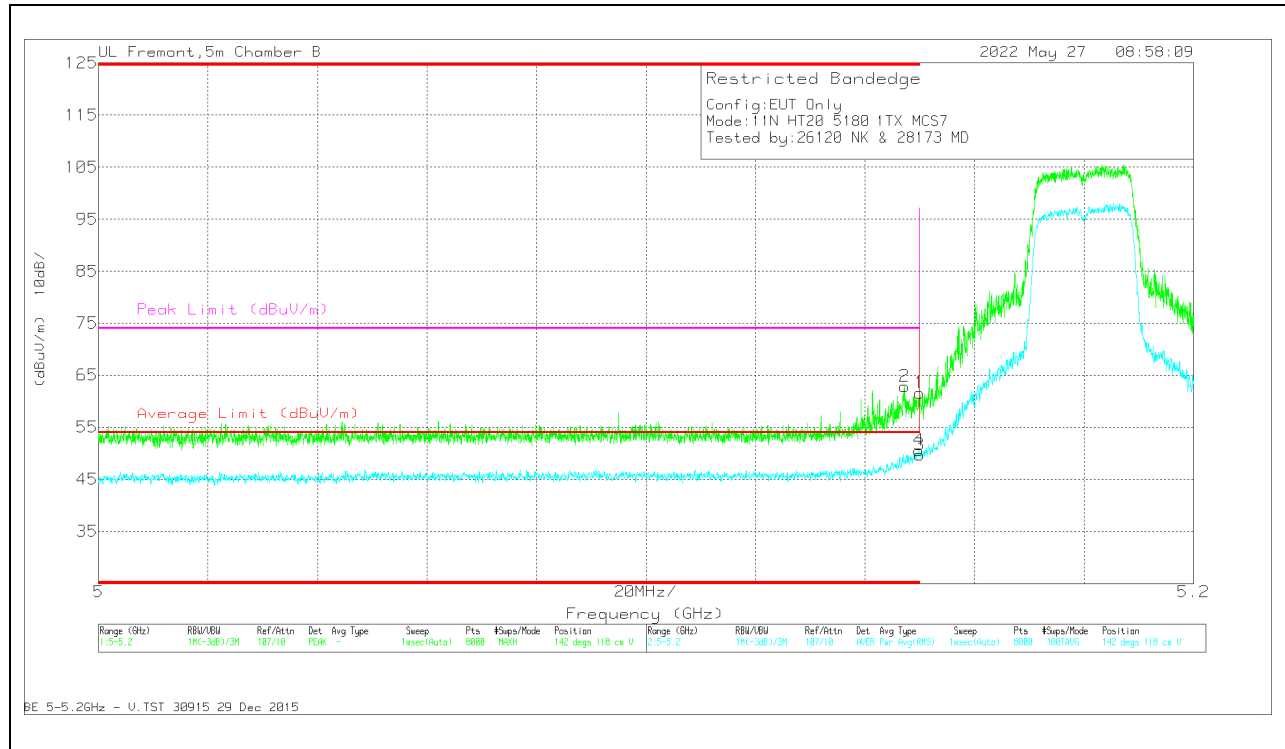
##### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 81886 (dB/m)	Amp/Cbl/Fitr/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	* 5.15	45.86	Pk	34.2	-20.5	0	59.56	-	-	74	-14.44	53	165	H
2	* 5.146918	49.34	Pk	34.2	-20.5	0	63.04	-	-	74	-10.96	53	165	H
3	* 5.15	36.21	RMS	34.2	-20.5	.6	50.51	54	-3.498	-	-	53	165	H
4	* 5.149518	36.58	RMS	34.2	-20.5	.6	50.88	54	-3.12	-	-	53	165	H

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

**VERTICAL RESULT**



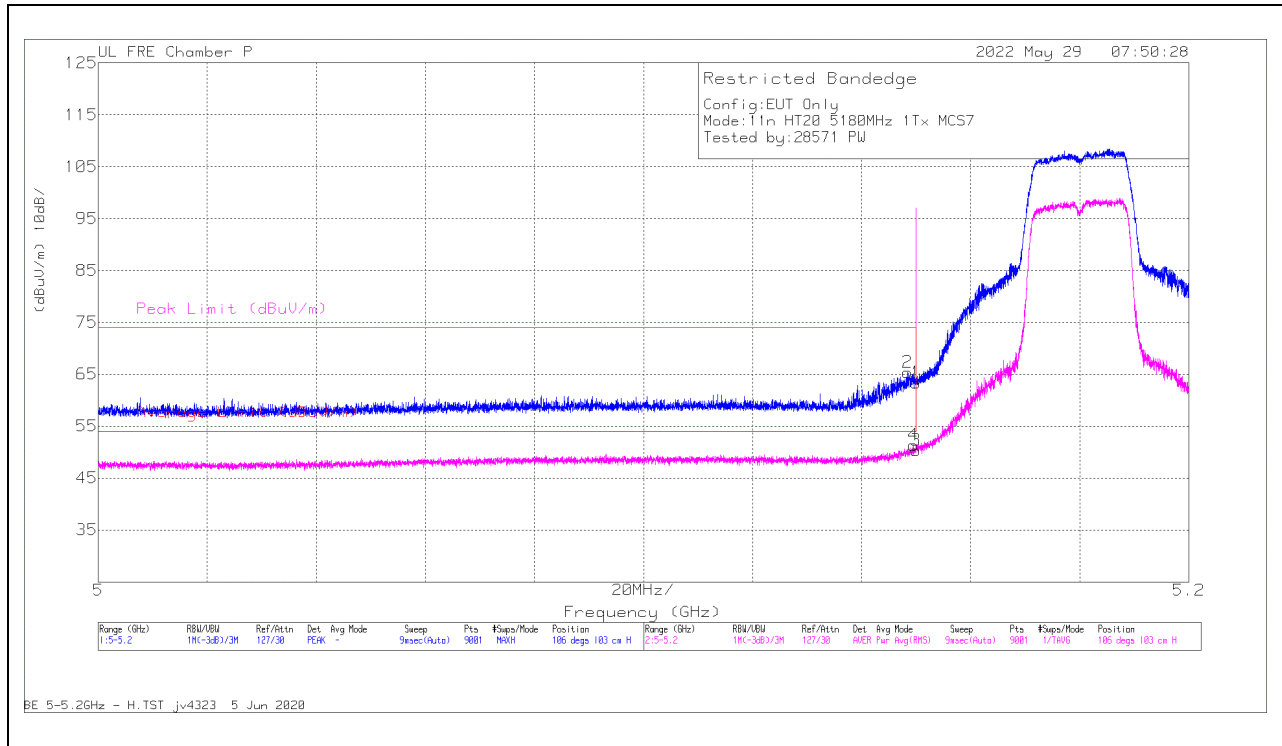
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 81886 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.94	Pk	34.2	-20.5	0	61.64	-	-	74	-12.36	142	118	V
2	* 5.147193	49.2	Pk	34.2	-20.5	0	62.9	-	-	74	-11.1	142	118	V
3	* 5.15	35.6	RMS	34.2	-20.5	.6	49.90	54	-4.10	-	-	142	118	V
4	* 5.149843	36.51	RMS	34.2	-20.5	.6	50.81	54	-3.19	-	-	142	118	V

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

**1TX Antenna 5 MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

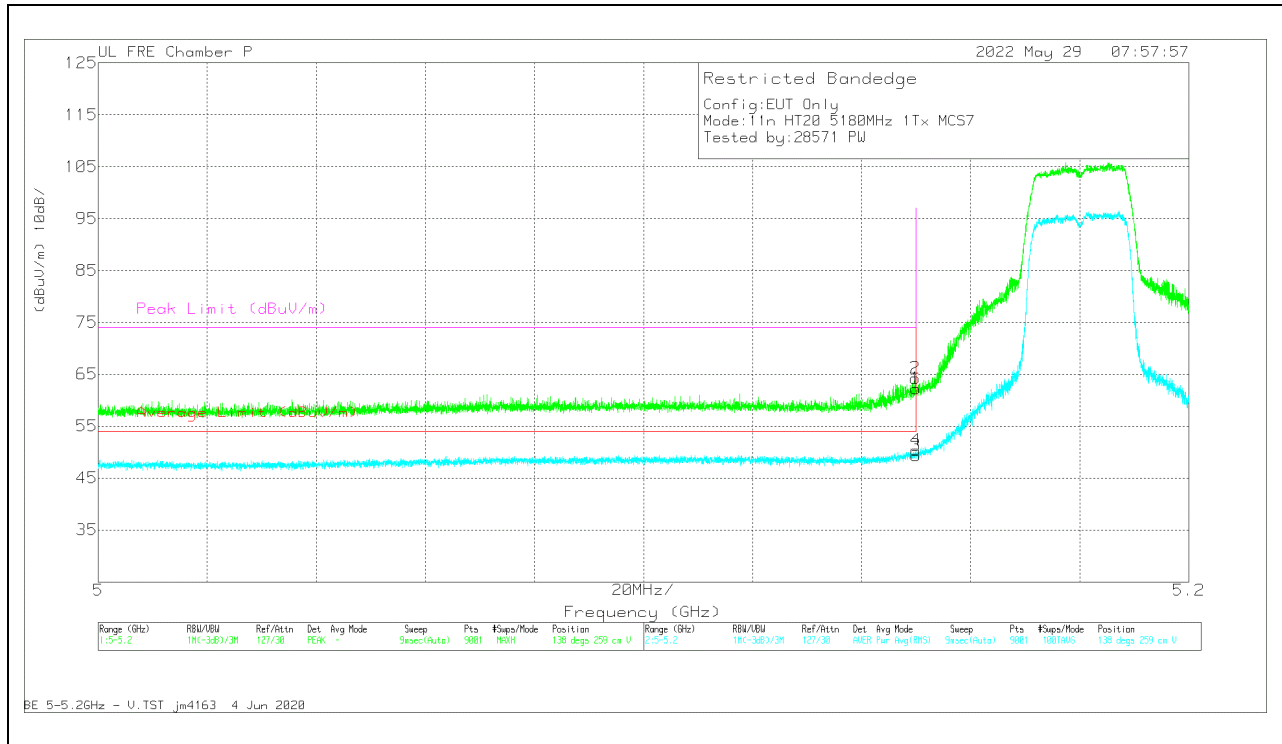


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	59.09	Pk	34.4	-30.1	0	63.39	-	-	74	-10.61	106	103	H
2	5.148465	60.98	Pk	34.4	-30	0	65.38	-	-	74	-8.62	106	103	H
3	5.15	45.66	RMS	34.4	-30.1	.6	50.56	54	-3.44	-	-	106	103	H
4	5.149487	46.58	RMS	34.4	-30	.6	51.58	54	-2.42	-	-	106	103	H

Pk - Peak detector  
 RMS - RMS detection



**VERTICAL RESULT**



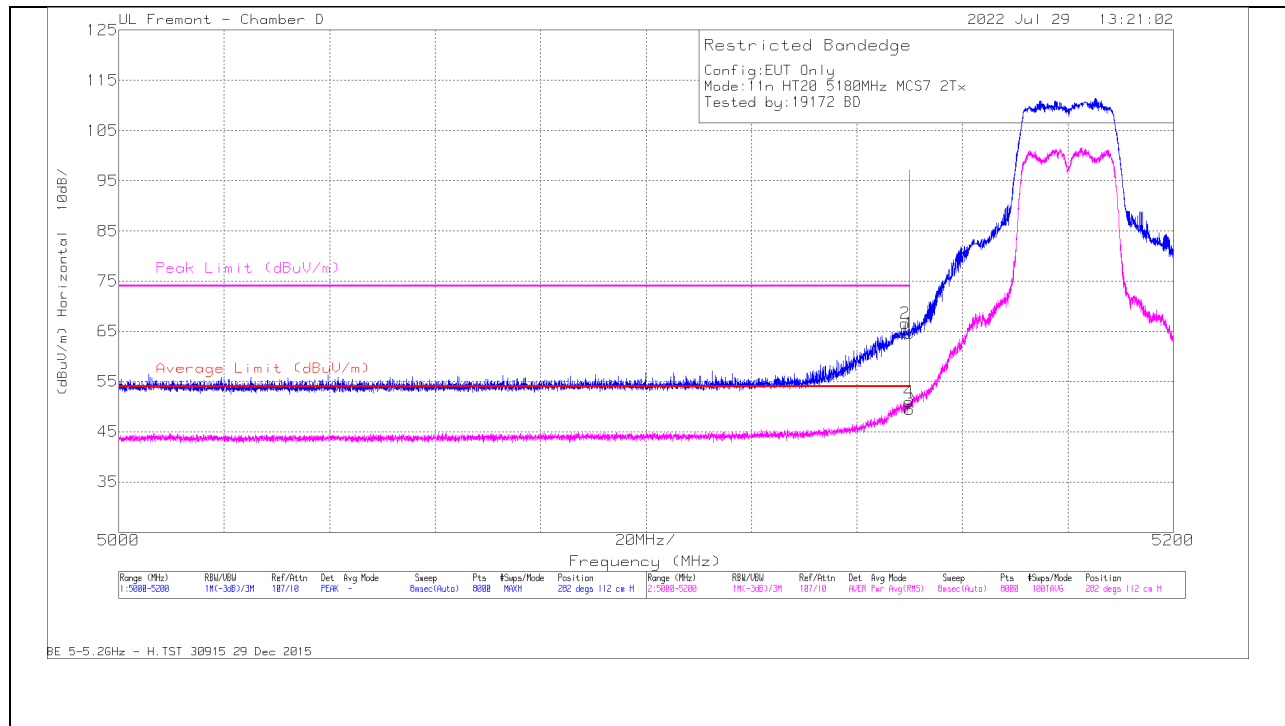
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	57.95	PK	34.4	-30.1	0	62.25	-	-	74	-11.75	138	259	V
2	5.149865	59.91	PK	34.4	-30.1	0	64.21	-	-	74	-9.79	138	259	V
3	5.15	44.6	RMS	34.4	-30.1	.6	49.5	54	-4.5	-	-	138	259	V
4	5.149976	45.59	RMS	34.4	-30.1	.6	50.49	54	-3.51	-	-	138	259	V

PK - Peak detector  
RMS - RMS detection

**2TX Antenna 6 + Antenna 5 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



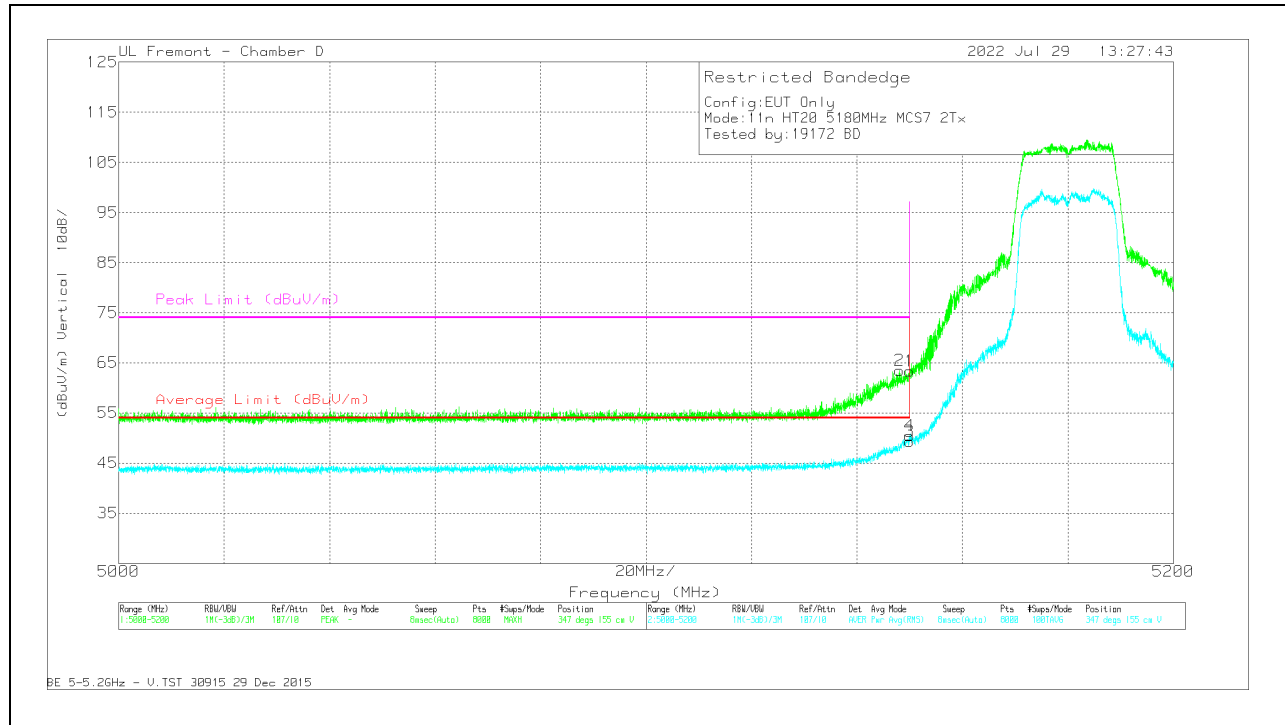
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb I/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	47.86	Pk	34.9	-18.2	0	64.56	-	-	74	-9.44	282	112	H
2	* 5149.143	49.94	Pk	34.9	-18.2	0	66.64	-	-	74	-7.36	282	112	H
3	* 5150	32.14	RMS	34.9	-18.2	.6	49.44	54	-4.56	-	-	282	112	H
4	* 5149.893	33.65	RMS	34.9	-18.2	.6	50.95	54	-3.05	-	-	282	112	H

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

Pk - Peak detector  
 RMS - RMS detection

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**

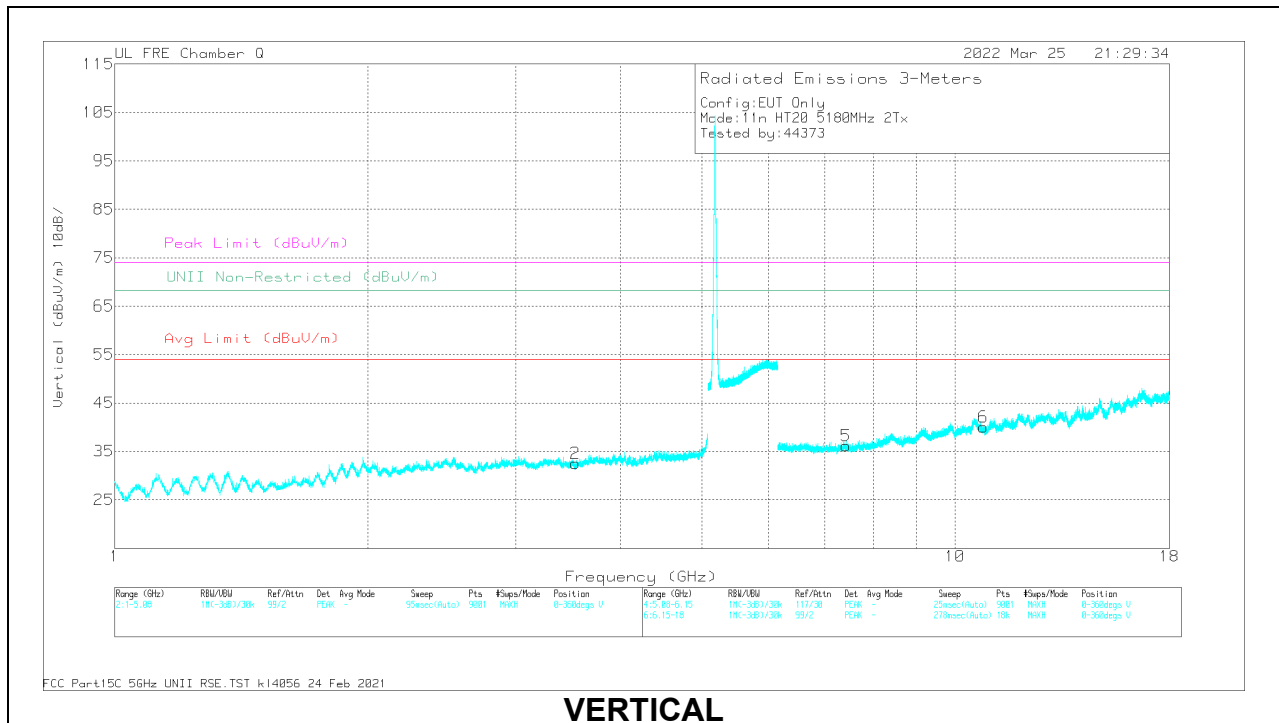
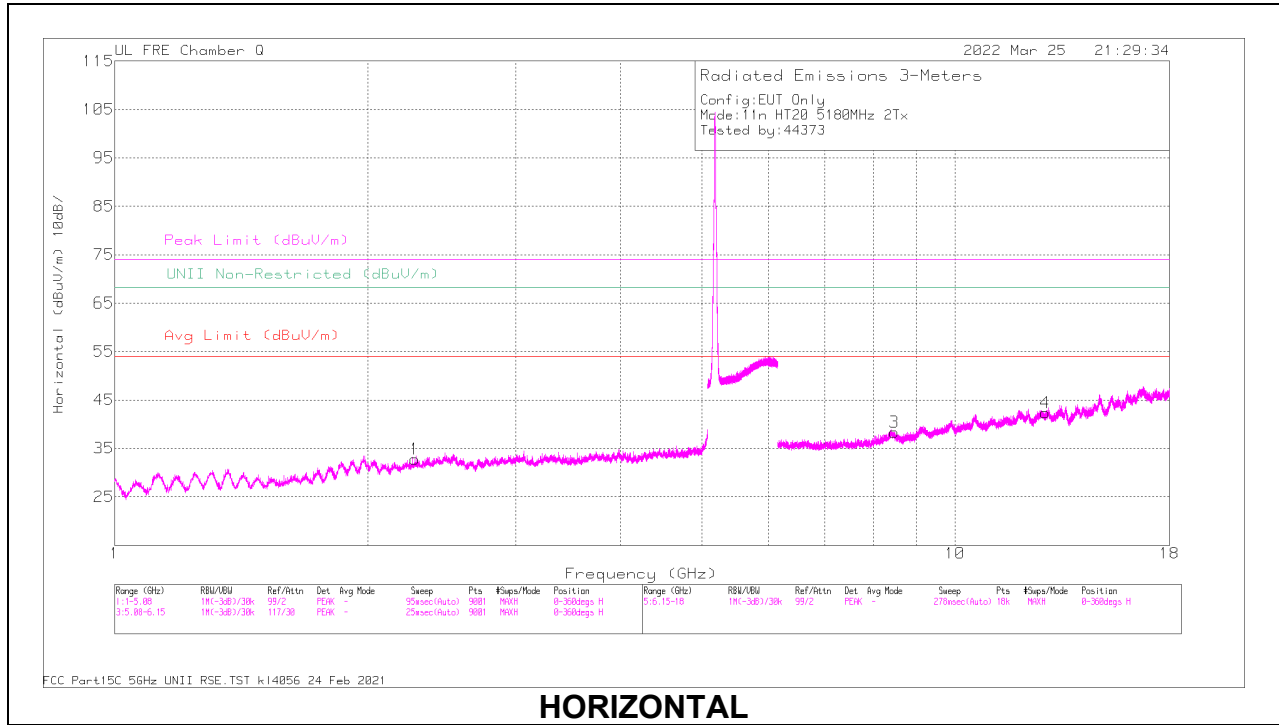


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb I/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	46.65	Pk	34.9	-18.2	0	63.35	-	-	74	-10.65	347	155	V
2	* 5148.118	46.79	Pk	34.9	-18.2	0	63.49	-	-	74	-10.51	347	155	V
3	* 5150	32	RMS	34.9	-18.2	.6	49.3	54	-4.7	-	-	347	155	V
4	* 5149.943	33.2	RMS	34.9	-18.2	.6	50.5	54	-3.5	-	-	347	155	V

Pk - Peak detector  
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS

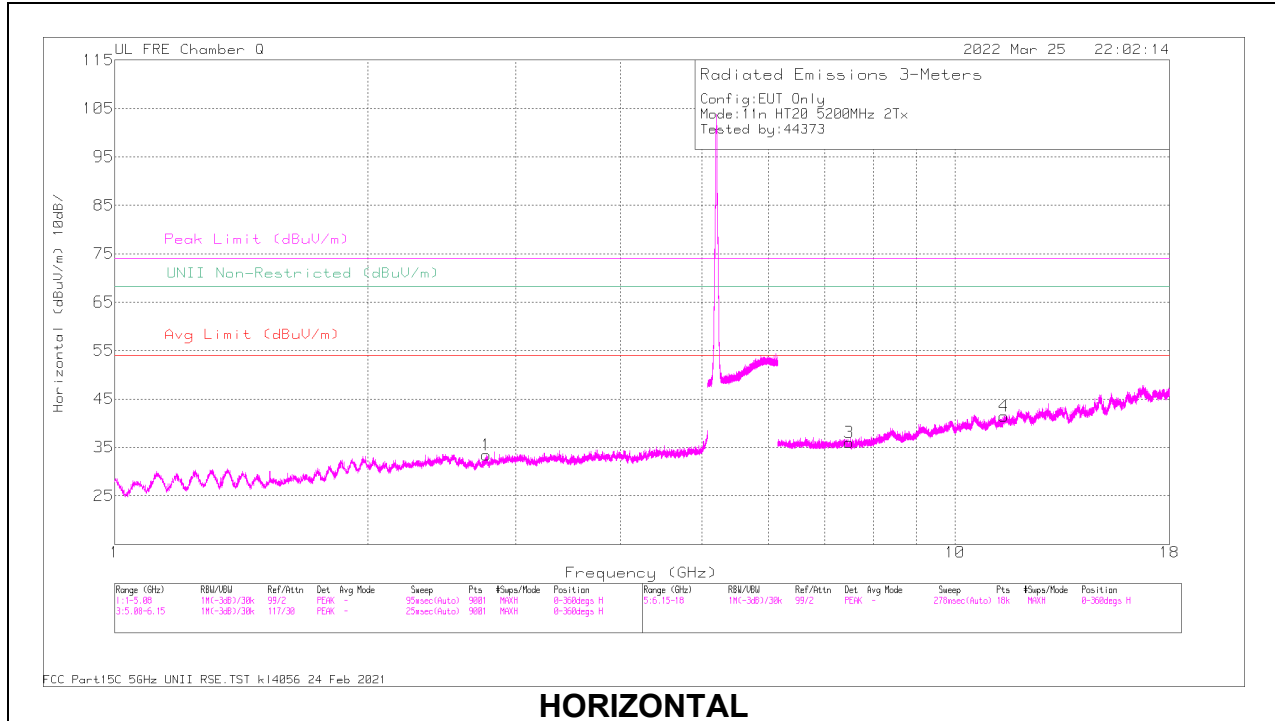


**RADIATED EMISSIONS**

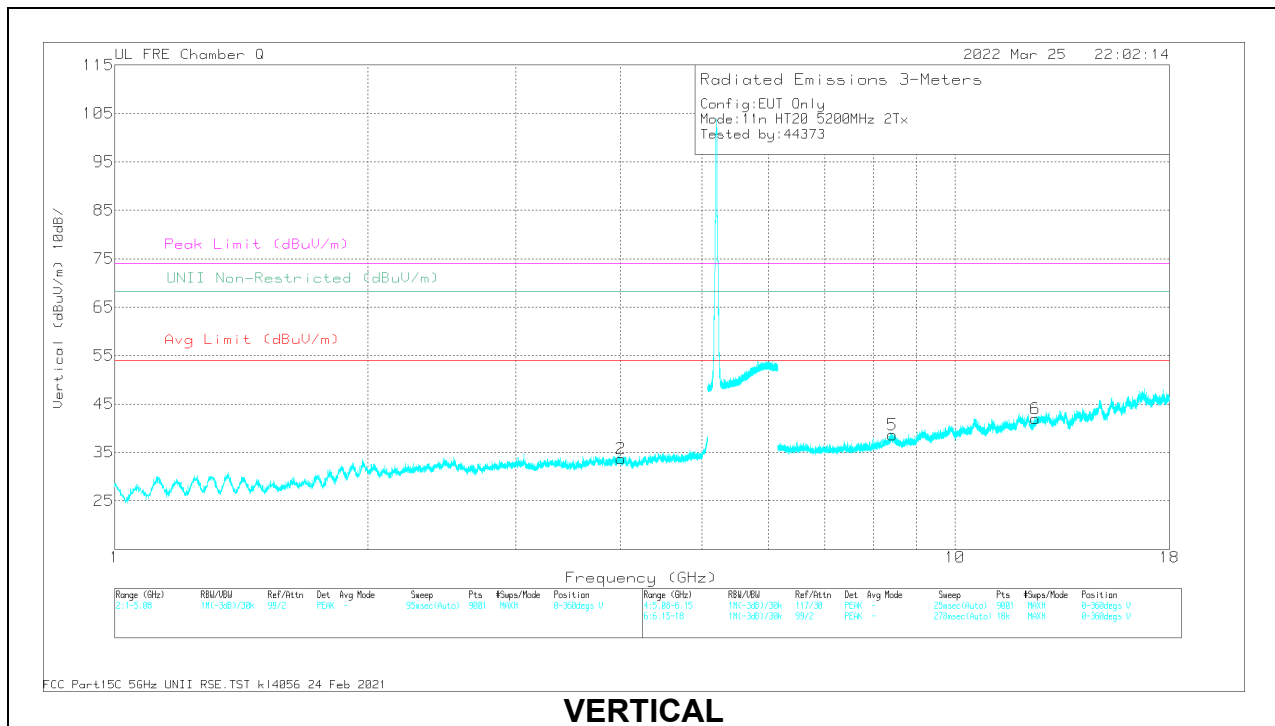
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200695 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.276174	55	PK-U	31.8	-44.3	0	42.5	-	-	74	-31.5	-	-	121	242	H
	* 2.27419	43.16	ADR	31.8	-44.2	0.14	30.9	54	-23.1	-	-	-	-	121	242	H
2	* 3.532245	50.95	PK-U	33	-41.1	0	42.85	-	-	74	-31.15	-	-	344	192	V
	* 3.534826	39.28	ADR	33	-41.1	0.14	31.32	54	-22.68	-	-	-	-	344	192	V
3	* 8.467094	47.85	PK-U	35.9	-35.8	0	47.95	-	-	74	-26.05	-	-	12	112	H
	* 8.466888	36.74	ADR	35.9	-35.8	0.14	36.98	54	-17.02	-	-	-	-	12	112	H
4	12.815463	46.88	PK-U	39.4	-34.2	0	52.08	-	-	-	-	68.2	-16.12	92	182	H
	* 7.417822	47.73	PK-U	35.7	-37.4	0	46.03	-	-	74	-27.97	-	-	98	146	V
5	* 7.416046	36.28	ADR	35.7	-37.4	0.14	34.72	54	-19.28	-	-	-	-	98	146	V
	* 10.809557	46.58	PK-U	37.8	-34.3	0	50.08	-	-	74	-23.92	-	-	310	183	V
6	* 10.811355	34.97	ADR	37.8	-34.3	0.14	38.61	54	-15.39	-	-	-	-	310	183	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 RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

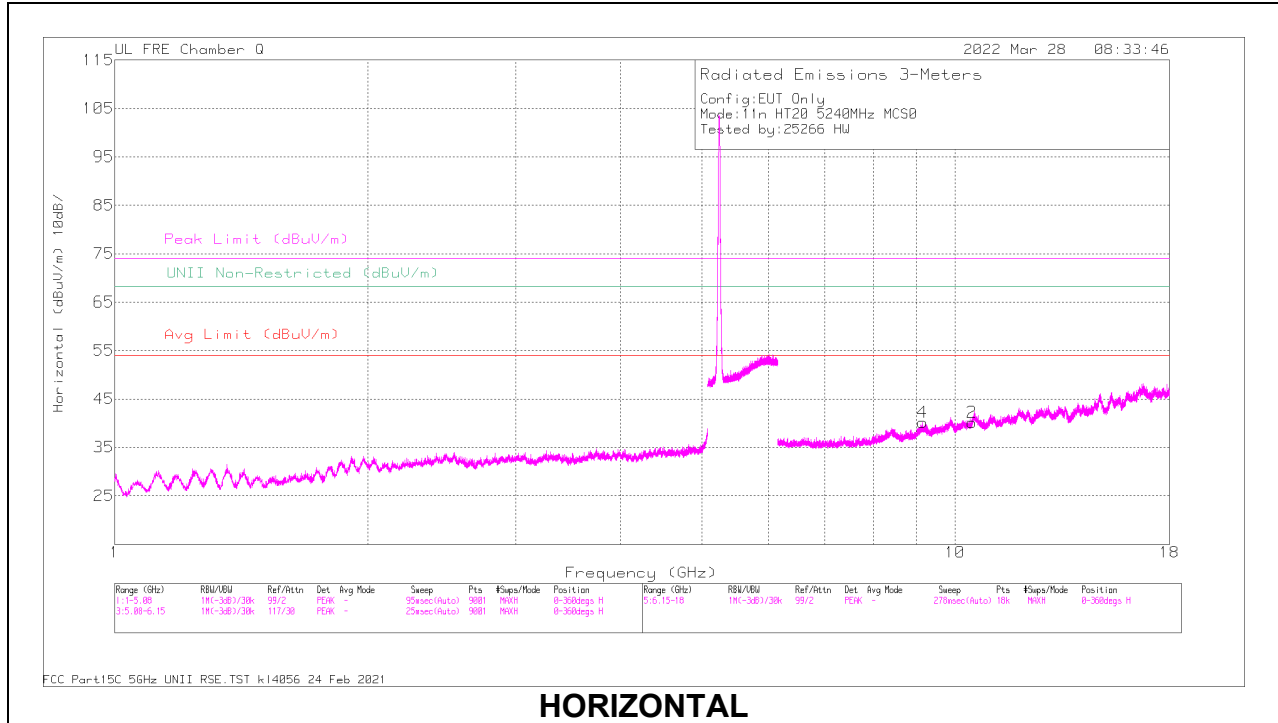
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200695 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.765746	54.35	PK-U	32.1	-43.6	0	42.85	-	-	74	-31.15	80	175	H
	* 2.766245	42.95	ADR	32.1	-43.6	0.14	31.59	54	-22.41	-	-	80	175	H
2	* 4.0074	50.96	PK-U	33.4	-40.7	0	43.66	-	-	74	-30.34	273	182	V
	* 4.006071	39.27	ADR	33.4	-40.7	0.14	32.11	54	-21.89	-	-	273	182	V
3	* 7.484464	47.91	PK-U	35.8	-37.6	0	46.11	-	-	74	-27.89	125	227	H
	* 7.483639	36.28	ADR	35.8	-37.6	0.14	34.62	54	-19.38	-	-	125	227	H
4	* 11.434033	46.24	PK-U	38.2	-33.9	0	50.54	-	-	74	-23.46	27	185	H
	* 11.434279	34.75	ADR	38.2	-33.9	0.14	39.19	54	-14.81	-	-	27	185	H
5	* 8.429664	48.13	PK-U	35.9	-35.9	0	48.13	-	-	74	-25.87	347	220	V
	* 8.431048	36.74	ADR	36	-35.9	0.14	36.98	54	-17.02	-	-	347	220	V
6	* 12.470643	47.55	PK-U	39.2	-35.5	0	51.25	-	-	74	-22.75	262	220	V
	* 12.47061	35.81	ADR	39.2	-35.5	0.14	39.65	54	-14.35	-	-	262	220	V

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

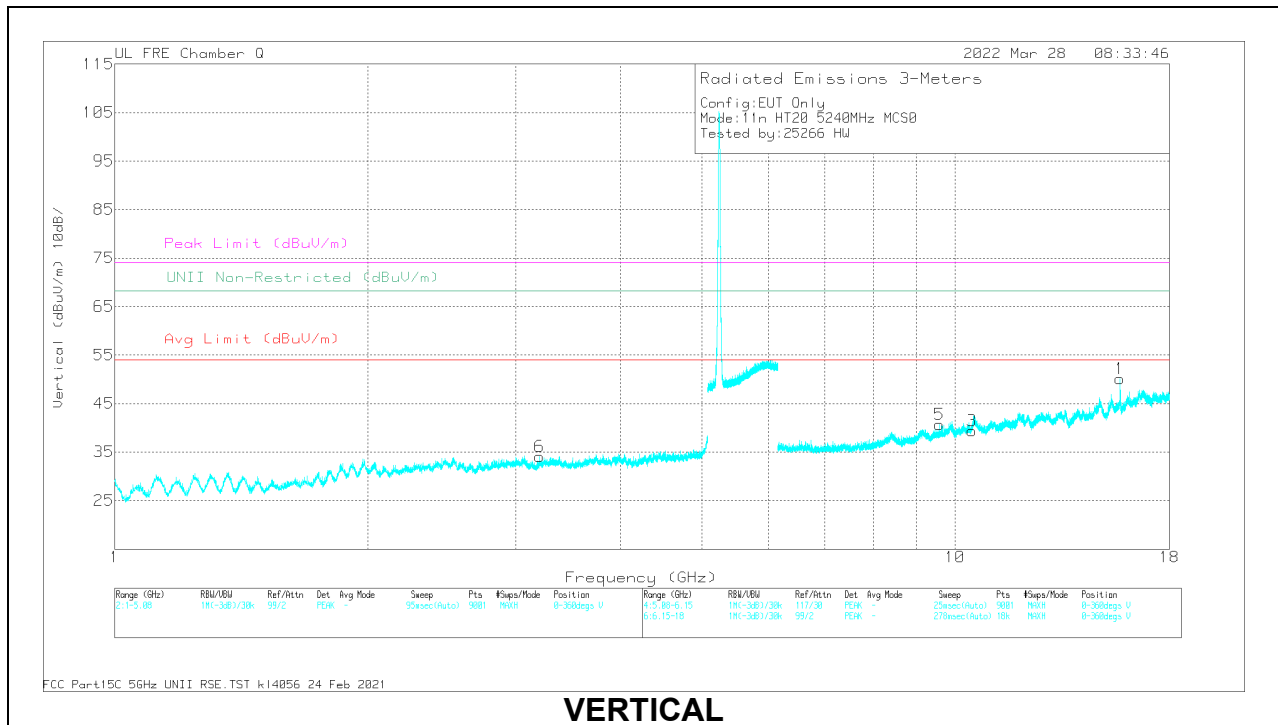
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**HIGH CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Fitr/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	15.721404	51.32	PK-U	40.3	-32.9	0	58.72	-	-	74	-15.28	-	-	233	122	V
	15.721212	39.48	ADR	40.4	-32.9	0.14	47.12	54	-6.88	-	-	-	-	233	122	V
	9.155972	48.86	PK-U	36.4	-35.6	0	49.66	-	-	74	-24.34	-	-	96	247	H
2	9.157875	37.05	ADR	36.4	-35.6	0.14	37.99	54	-16.01	-	-	-	-	96	247	H
	10.478327	49.17	PK-U	37.6	-35.5	0	51.27	-	-	-	-	68.2	-16.93	100	162	V
4	10.48063	48.9	PK-U	37.6	-35.4	0	51.1	-	-	-	-	68.2	-17.1	185	158	H
	9.583772	48.02	PK-U	36.8	-35.7	0	49.12	-	-	-	-	68.2	-19.08	188	109	V
6	3.203949	52.58	PK-U	32.9	-42.4	0	43.08	-	-	-	-	68.2	-25.12	86	229	V

PK-U - U-NII: Maximum Peak

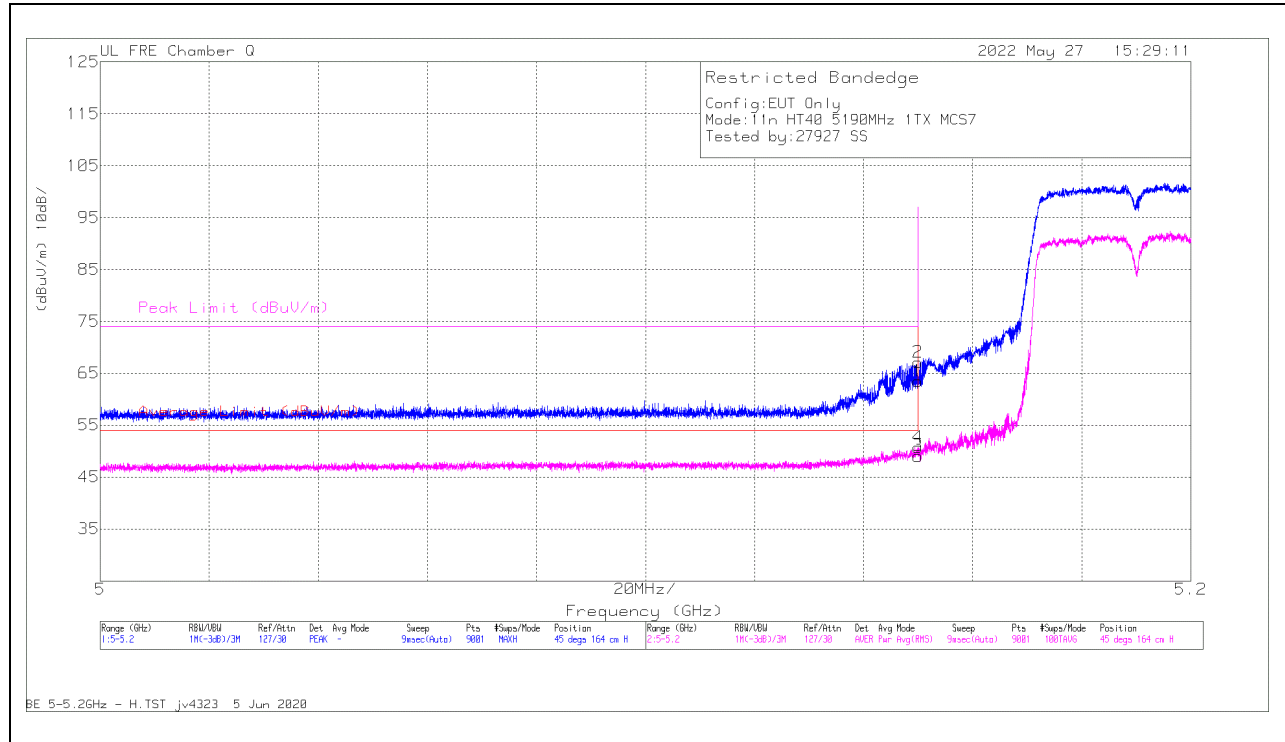
ADR - U-NII AD primary method, RMS average

### 1.1.2. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (LOW CHANNEL)

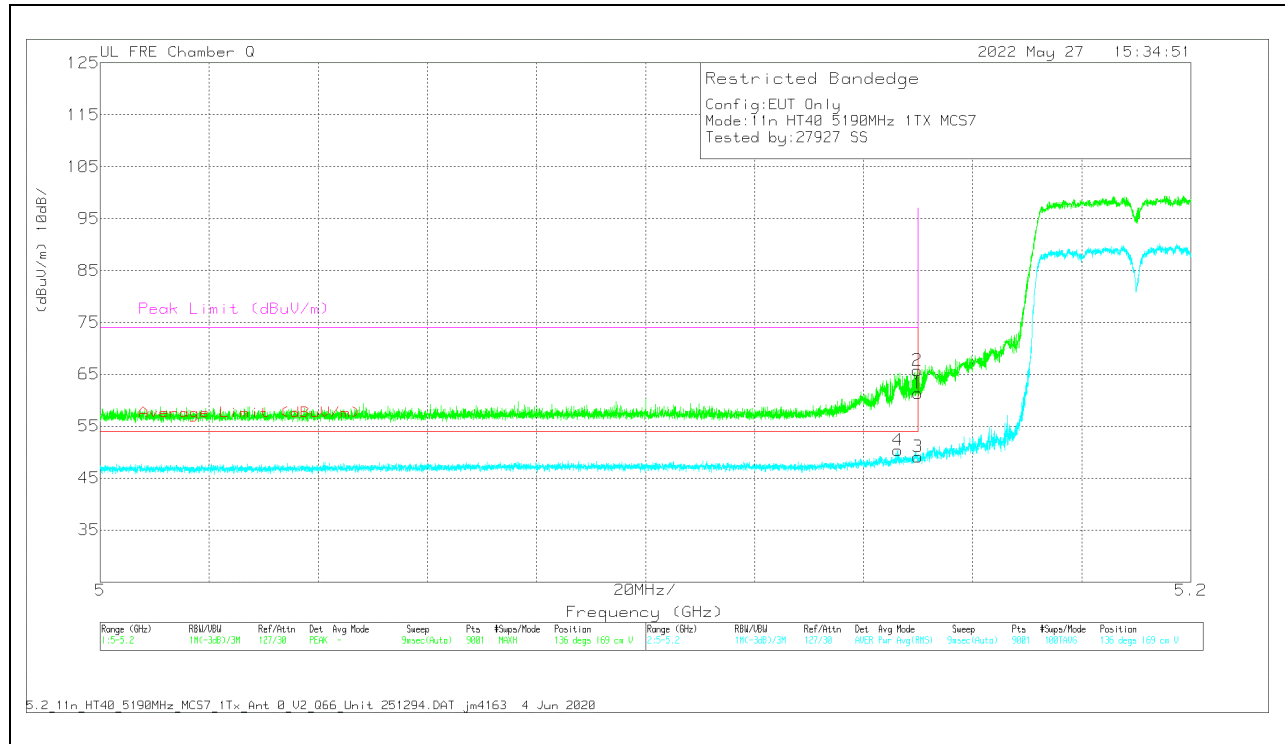
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cb/Filter/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	5.15	60.63	Pk	34.3	-31.4	0	63.53	-	-	74	-10.47	45	164	H
2	5.14991	64.17	Pk	34.3	-31.4	0	67.07	-	-	74	-6.93	45	164	H
3	5.15	45.49	RMS	34.3	-31.4	.89	49.28	54	-4.72	-	-	45	164	H
4	5.14991	47.16	RMS	34.3	-31.4	.89	50.95	54	-3.05	-	-	45	164	H

Pk - Peak detector  
RMS - RMS detection

**VERTICAL RESULT**



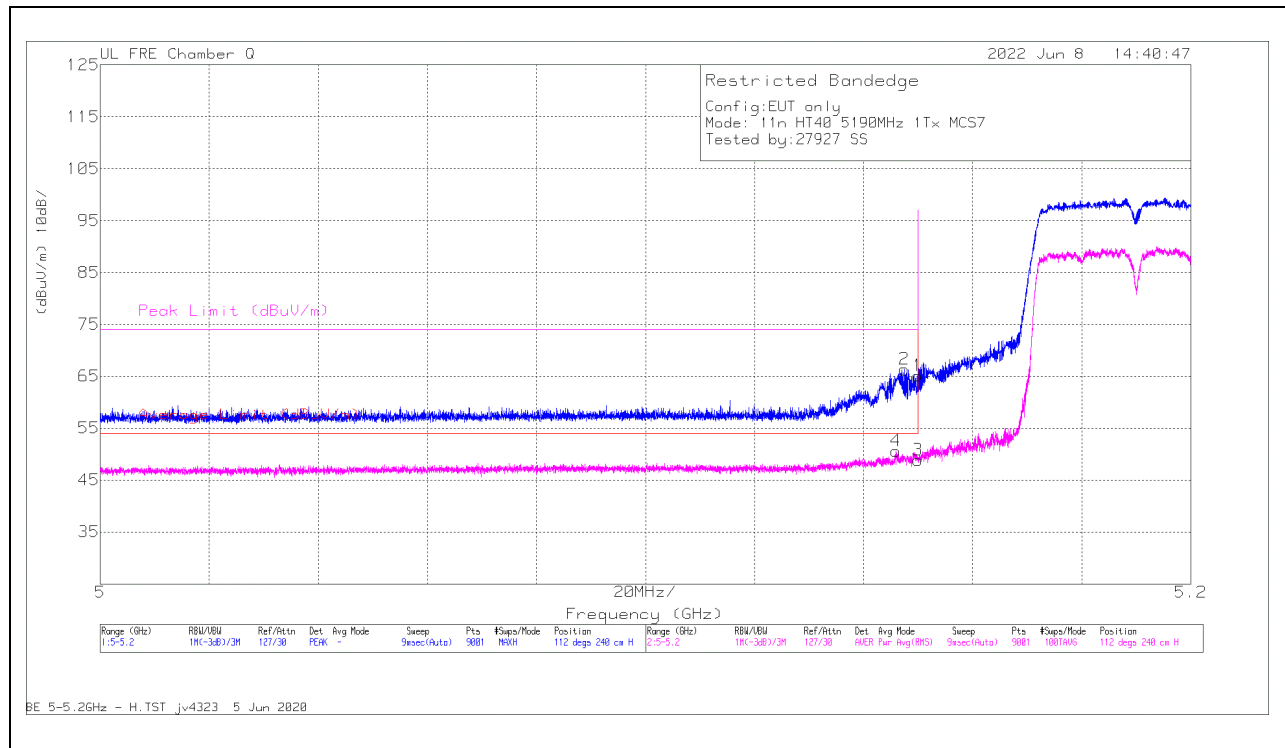
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	58.4	Pk	34.3	-31.4	0	61.3	-	-	74	-12.7	136	169	V
2	5.149799	62.85	Pk	34.3	-31.4	0	65.75	-	-	74	-8.25	136	169	V
3	5.15	45.56	RMS	34.3	-31.4	.89	49.35	54	-4.65	-	-	136	169	V
4	5.146265	46.86	RMS	34.3	-31.4	.89	50.65	54	-3.35	-	-	136	169	V

Pk - Peak detector  
 RMS - RMS detection

**1TX Antenna 5 MODE**

**BANDEDGE (LOW CHANNEL)**

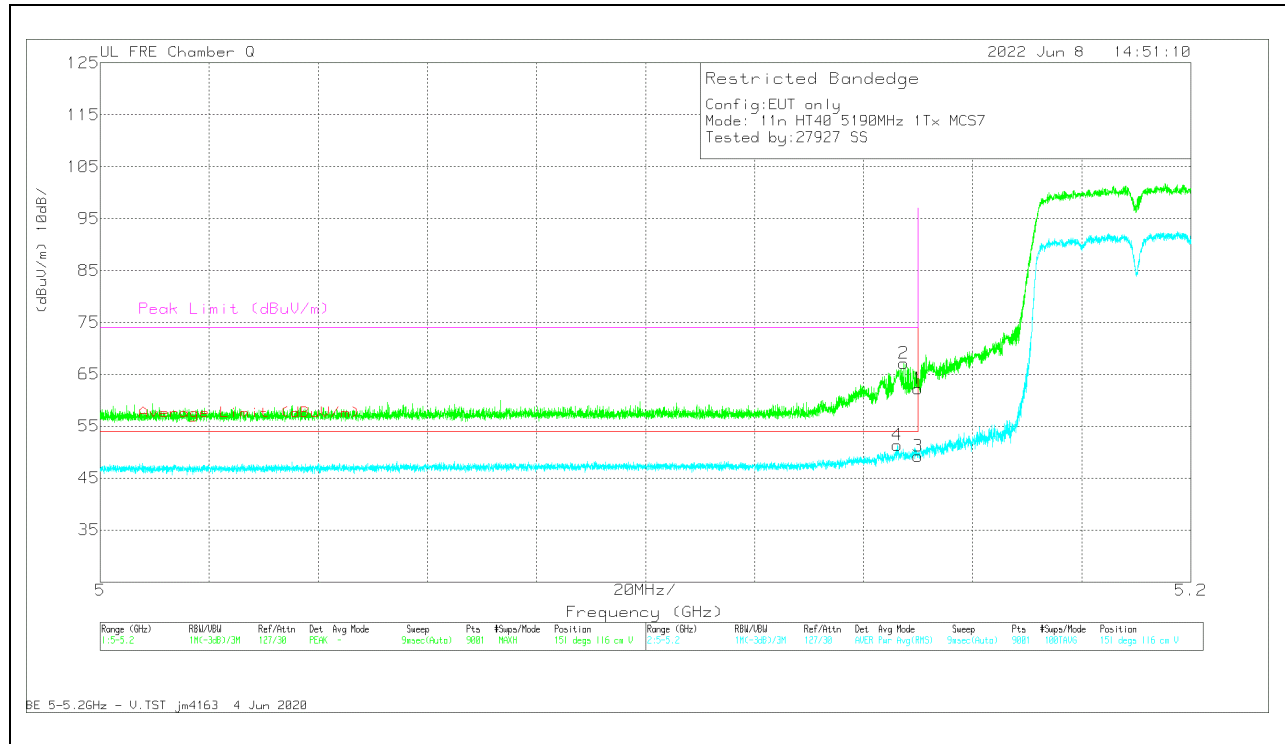
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Fitr/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	5.15	62.22	Pk	34.3	-31.4	0	65.12	-	-	74	-8.88	112	240	H
2	5.147487	63.4	Pk	34.3	-31.4	0	66.3	-	-	74	-7.7	112	240	H
3	5.15	45.3	RMS	34.3	-31.4	.89	49.09	54	-4.91	-	-	112	240	H
4	5.145976	47.06	RMS	34.3	-31.4	.89	50.85	54	-3.15	-	-	112	240	H

Pk - Peak detector  
RMS - RMS detection

**VERTICAL RESULT**



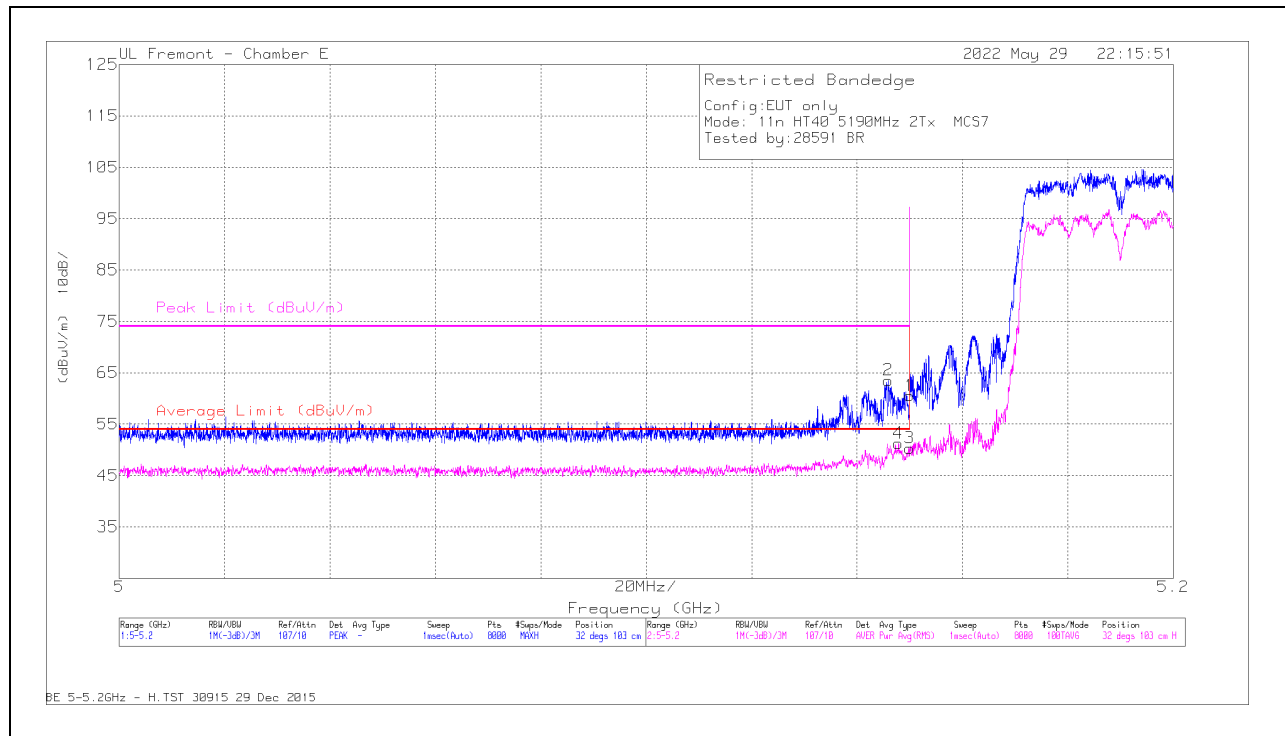
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	59.37	Pk	34.3	-31.4	0	62.27	-	-	74	-11.73	151	116	V
2	5.147332	64.24	Pk	34.3	-31.4	0	67.14	-	-	74	-6.86	151	116	V
3	5.15	45.72	RMS	34.3	-31.4	.89	49.51	54	-4.49	-	-	151	116	V
4	5.146199	47.83	RMS	34.3	-31.4	.89	51.62	54	-2.38	-	-	151	116	V

Pk - Peak detector  
RMS - RMS detection

**2TX Antenna 6 + Antenna 5 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

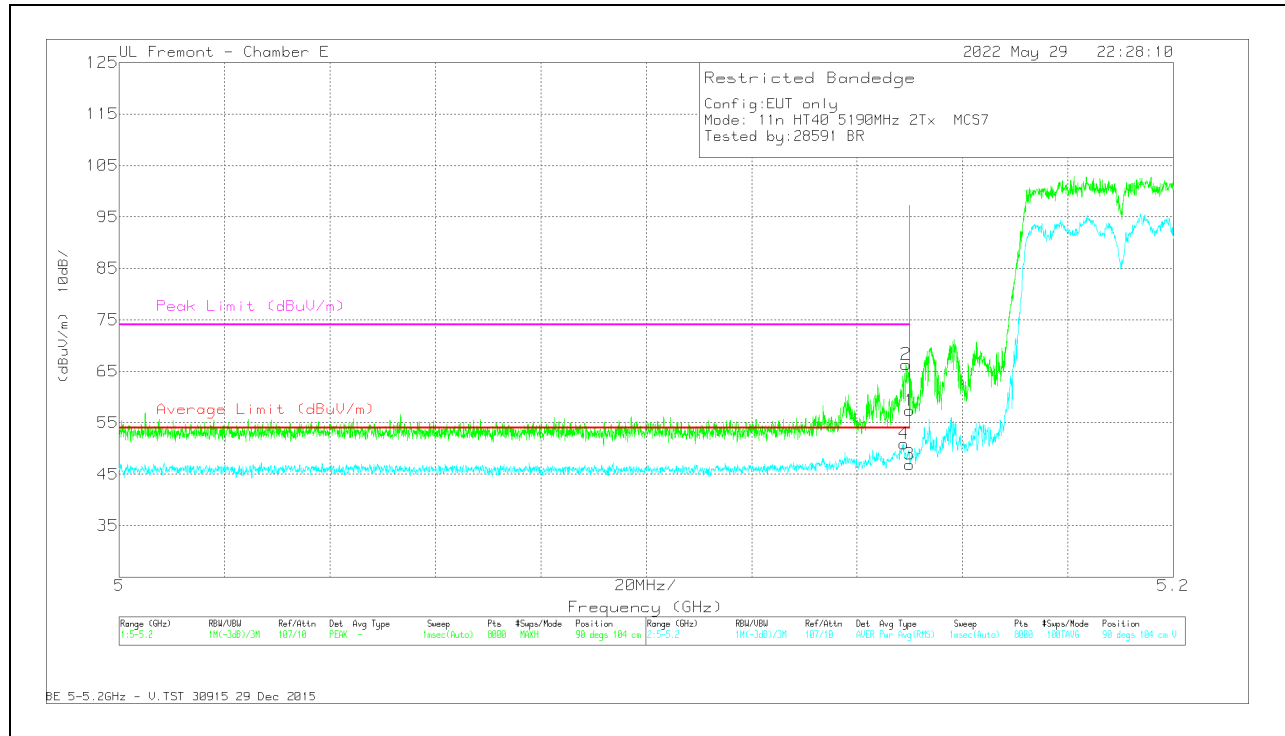
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.15	47.44	Pk	34.5	-21.4	0	60.54	-	-	74	-13.46	32	103	H
2	* 5.145918	50.44	Pk	34.5	-21.4	0	63.54	-	-	74	-10.46	32	103	H
3	* 5.15	36.35	RMS	34.5	-21.4	.89	50.34	54	-3.66	-	-	32	103	H
4	* 5.147843	37.29	RMS	34.5	-21.4	.89	51.28	54	-2.72	-	-	32	103	H

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

**VERTICAL RESULT**

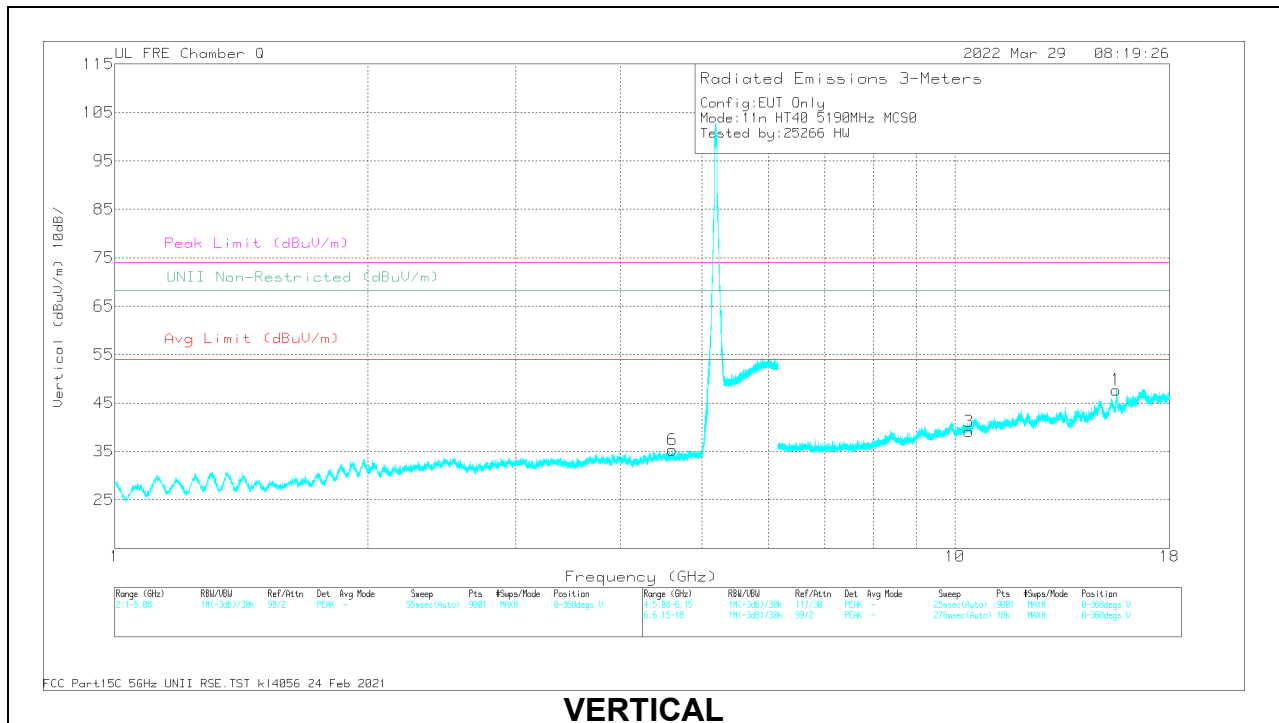
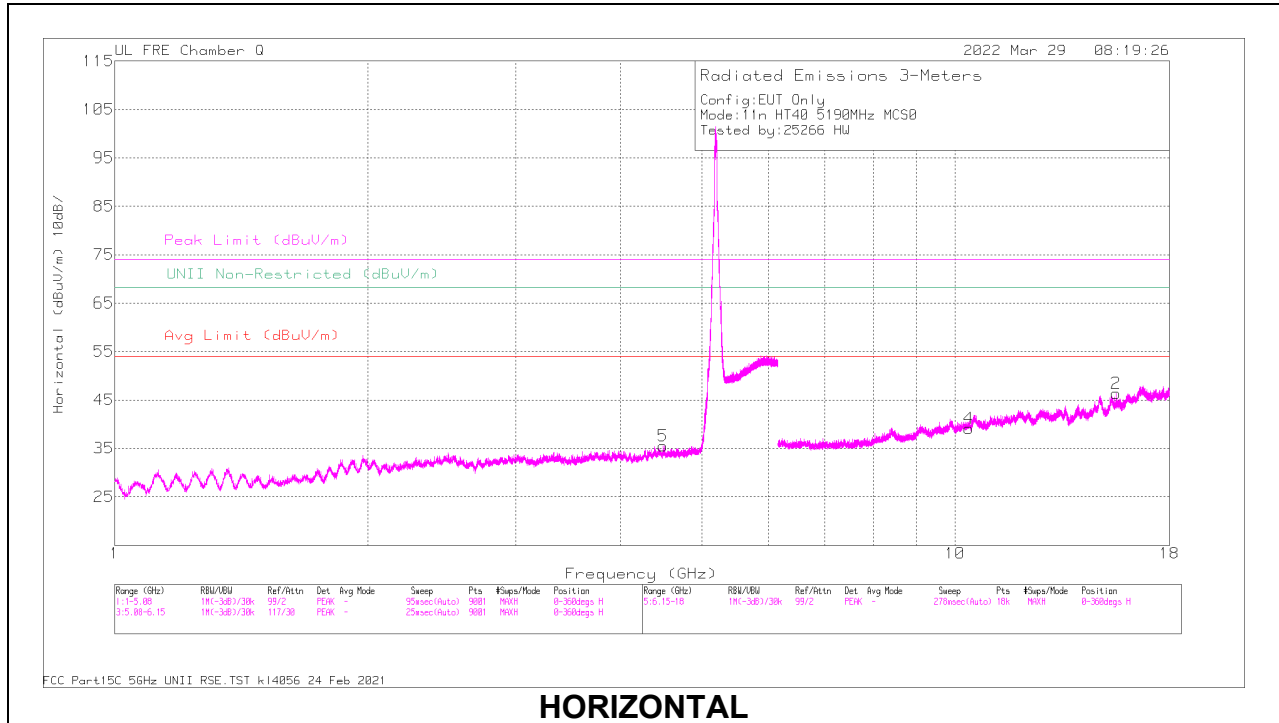


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.27	Pk	34.5	-21.4	0	57.37	-	-	74	-16.63	90	104	V
2	* 5.149293	53.25	Pk	34.5	-21.4	0	66.35	-	-	74	-7.65	90	104	V
3	* 5.15	32.94	RMS	34.5	-21.4	.89	46.93	54	-7.07	-	-	90	104	V
4	* 5.148843	36.95	RMS	34.5	-21.4	.89	50.94	54	-3.06	-	-	90	104	V

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

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



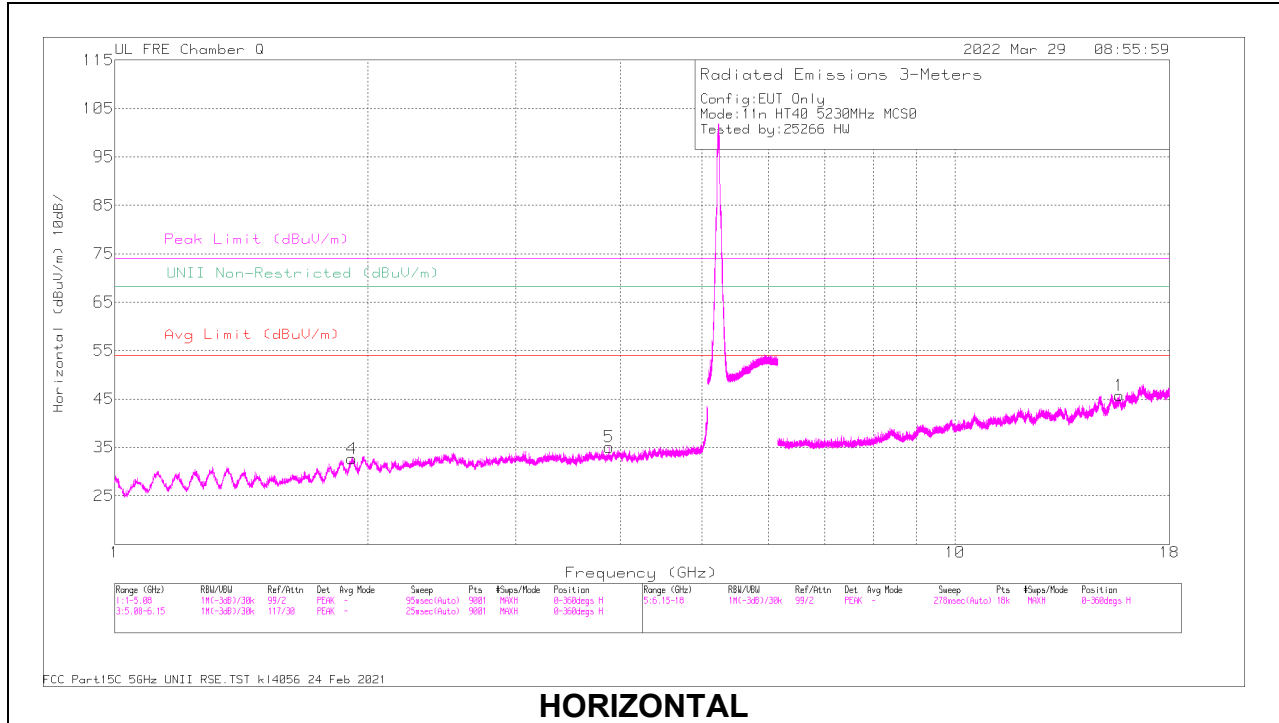


**RADIATED EMISSIONS**

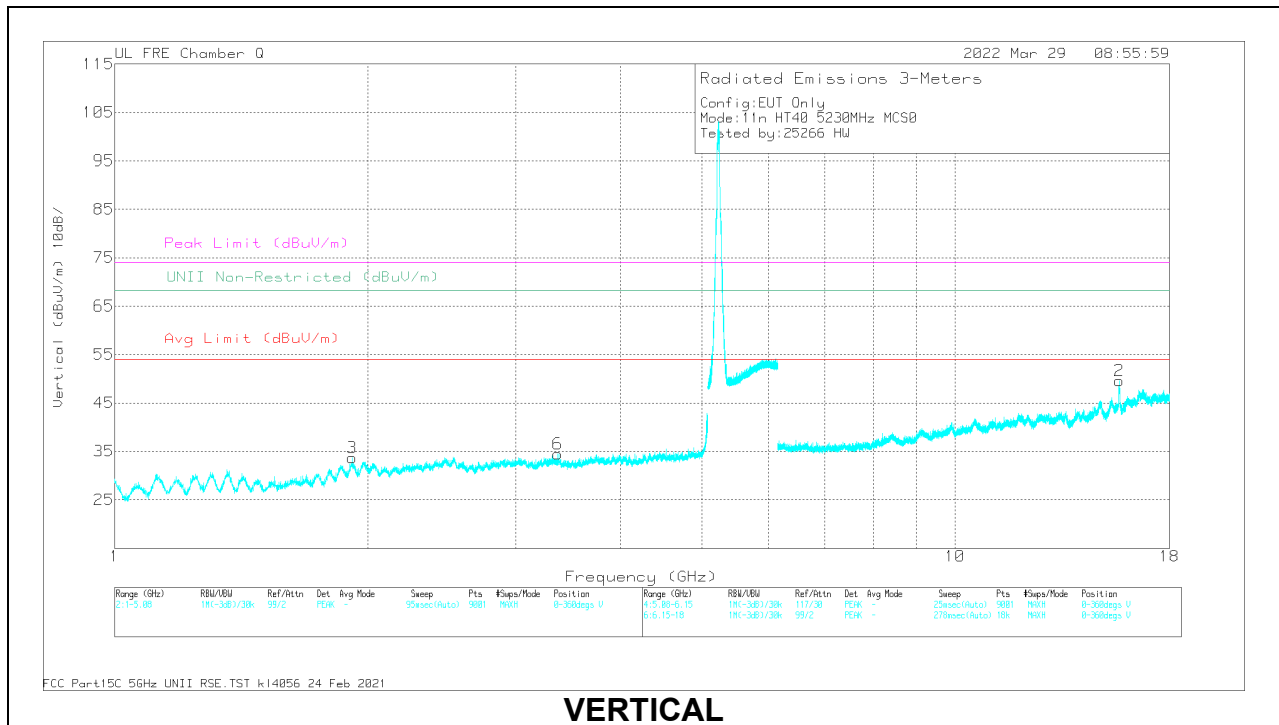
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	15.565368	51.48	PK-U	40.1	-33	0	58.58	-	-	74	-15.42	-	-	219	113	V
	15.56759	39.74	ADR	40.2	-33	.21	47.15	54	-6.85	-	-	-	-	219	113	V
2	15.559536	48.64	PK-U	40.1	-33	0	55.74	-	-	74	-18.26	-	-	329	112	H
	15.559393	36.94	ADR	40.1	-33	.21	44.25	54	-9.75	-	-	-	-	329	112	H
3	10.381367	49.13	PK-U	37.4	-35.9	0	50.63	-	-	-	-	68.2	-17.57	5	155	V
	10.3827	48.32	PK-U	37.4	-35.9	0	49.82	-	-	-	-	68.2	-18.38	245	209	H
5	4.49341	51.69	PK-U	33.8	-40.8	0	44.69	-	-	-	-	68.2	-23.51	151	106	H
6	4.613894	51.41	PK-U	34.1	-41	0	44.51	-	-	74	-29.49	-	-	196	126	V
	4.613965	39.73	ADR	34.1	-41	.21	33.04	54	-20.96	-	-	-	-	196	126	V

PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**HIGH CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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	15.681018	48.08	PK-U	40.3	-32.5	0	55.88	-	-	74	-18.12	-	-	305	107	H
	15.682033	36.52	ADR	40.3	-32.5	.21	44.53	54	-9.47	-	-	-	-	305	107	H
2	15.690157	47.14	PK-U	40.3	-32.5	0	54.94	-	-	74	-19.06	-	-	91	368	V
	15.690632	35.52	ADR	40.3	-32.5	.21	43.53	54	-10.47	-	-	-	-	91	368	V
3	1.914419	56.43	PK-U	30.9	-44.5	0	42.83	-	-	-	-	68.2	-25.37	94	156	V
	1.916734	56.16	PK-U	30.9	-44.3	0	42.76	-	-	-	-	68.2	-25.44	249	249	H
5	3.872813	51.47	PK-U	33.4	-40.8	0	44.07	-	-	74	-29.93	-	-	91	231	H
	3.87499	39.56	ADR	33.4	-40.8	.21	32.37	54	-21.63	-	-	-	-	91	231	H
6	3.36841	52.2	PK-U	32.6	-41.3	0	43.5	-	-	-	-	68.2	-24.7	282	231	V

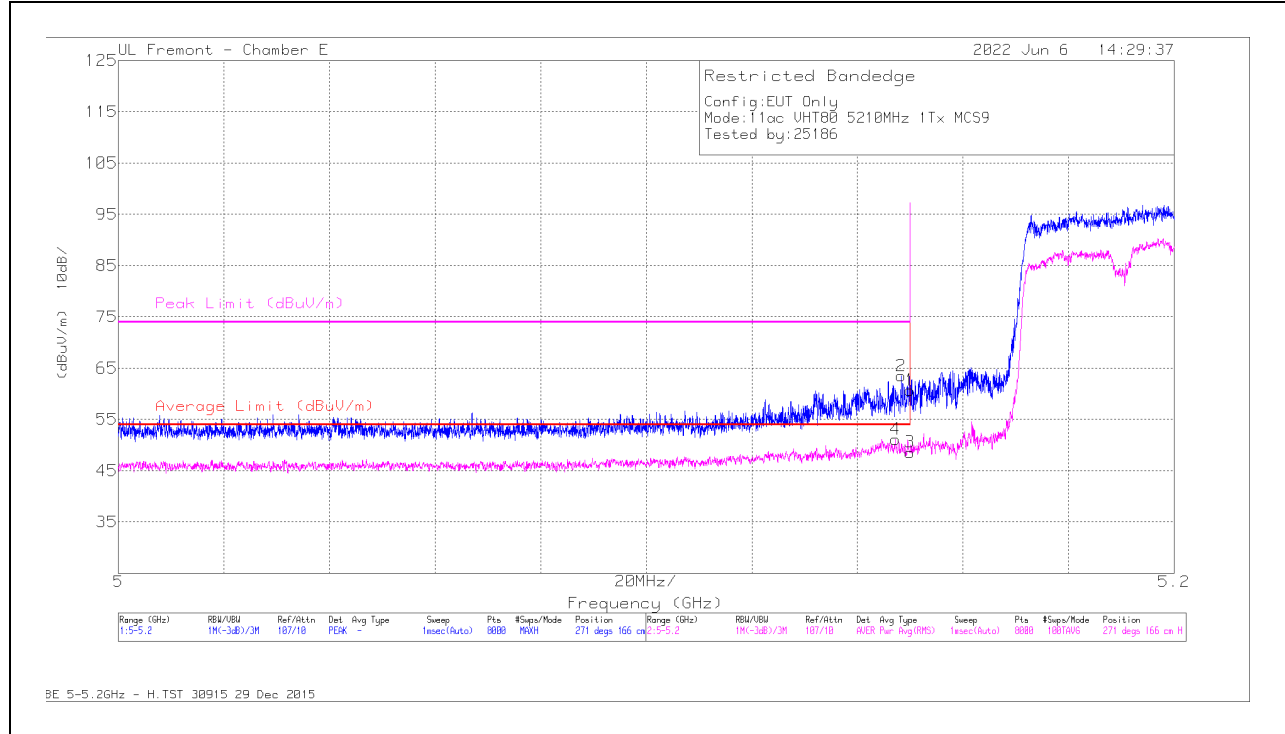
PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### 1.1.3. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (MID CHANNEL)

#### HORIZONTAL RESULT



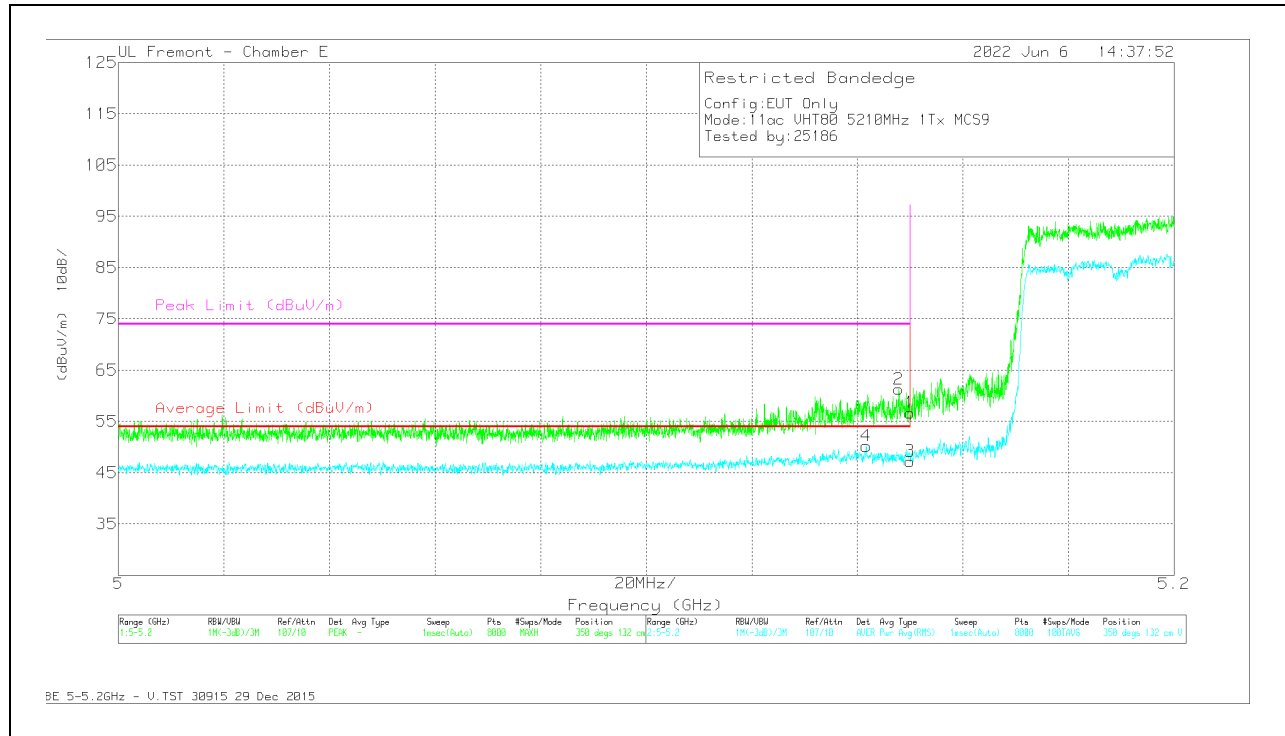
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.59	Pk	34.5	-21.4	0	60.69	-	-	74	-13.31	271	166	H
2	* 5.148293	50.39	Pk	34.5	-21.4	0	63.49	-	-	74	-10.51	271	166	H
3	* 5.15	34.41	RMS	34.5	-21.4	1.28	48.79	54	-5.21	-	-	271	166	H
4	* 5.147193	36.95	RMS	34.5	-21.4	1.28	51.33	54	-2.67	-	-	271	166	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



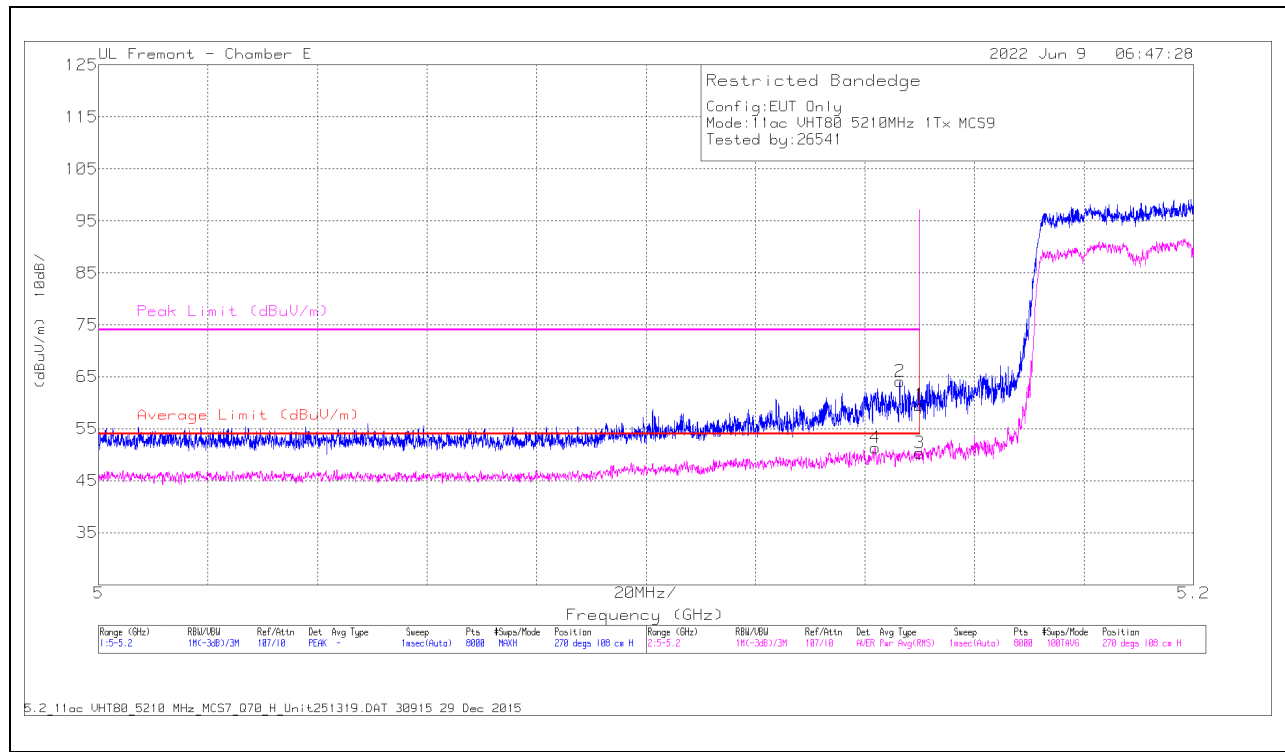
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.59	Pk	34.5	-21.4	0	56.69	-	-	74	-17.31	350	132	V
2	* 5.147843	48.17	Pk	34.5	-21.4	0	61.27	-	-	74	-12.73	350	132	V
3	* 5.15	33.03	RMS	34.5	-21.4	1.28	47.41	54	-6.59	-	-	350	132	V
4	* 5.141667	36.12	RMS	34.4	-21.4	1.28	50.4	54	-3.6	-	-	350	132	V

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

**1TX Antenna 5 MODE**

**BANDEDGE (MID CHANNEL)**

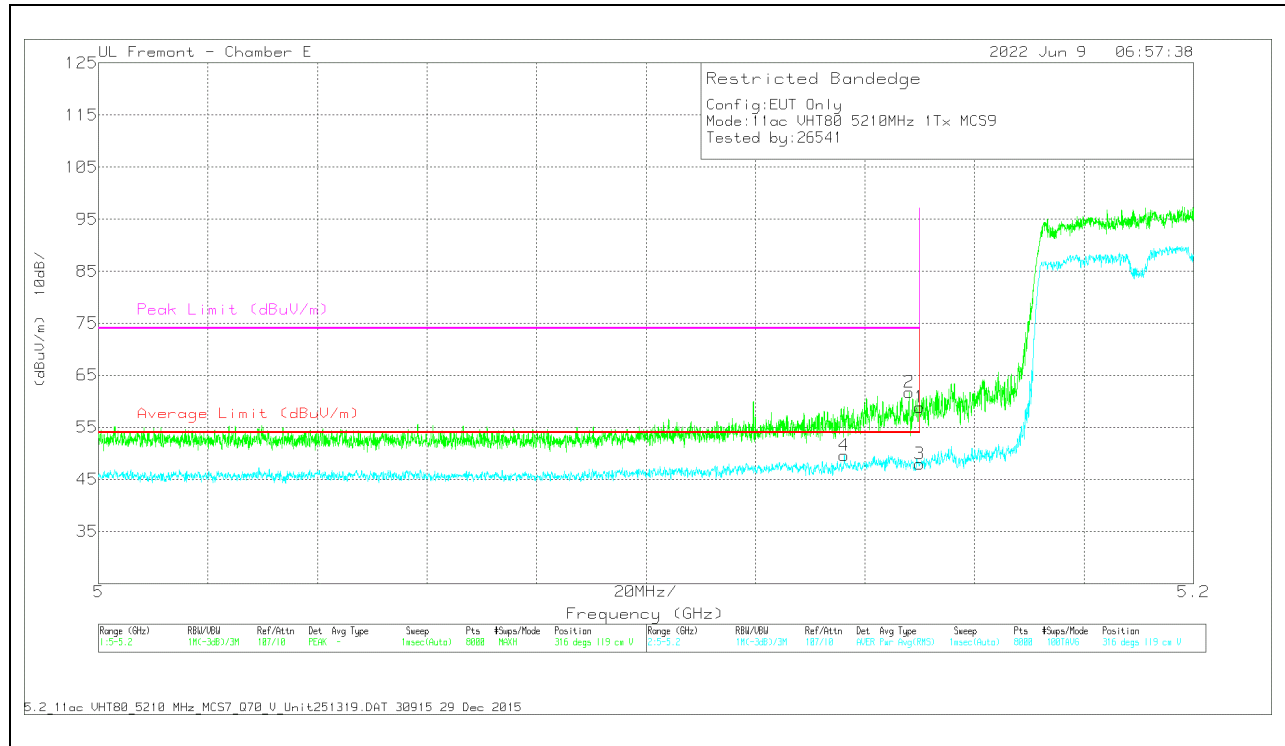
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.15	46.38	Pk	34.5	-21.4	0	59.48	-	-	74	-14.52	270	108	H
2	* 5.146343	51.04	Pk	34.5	-21.4	0	64.14	-	-	74	-9.86	270	108	H
3	* 5.15	36.12	RMS	34.5	-21.4	1.28	50.5	54	-3.5	-	-	270	108	H
4	* 5.141842	37.11	RMS	34.5	-21.4	1.28	51.49	54	-2.51	-	-	270	108	H

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

**VERTICAL RESULT**



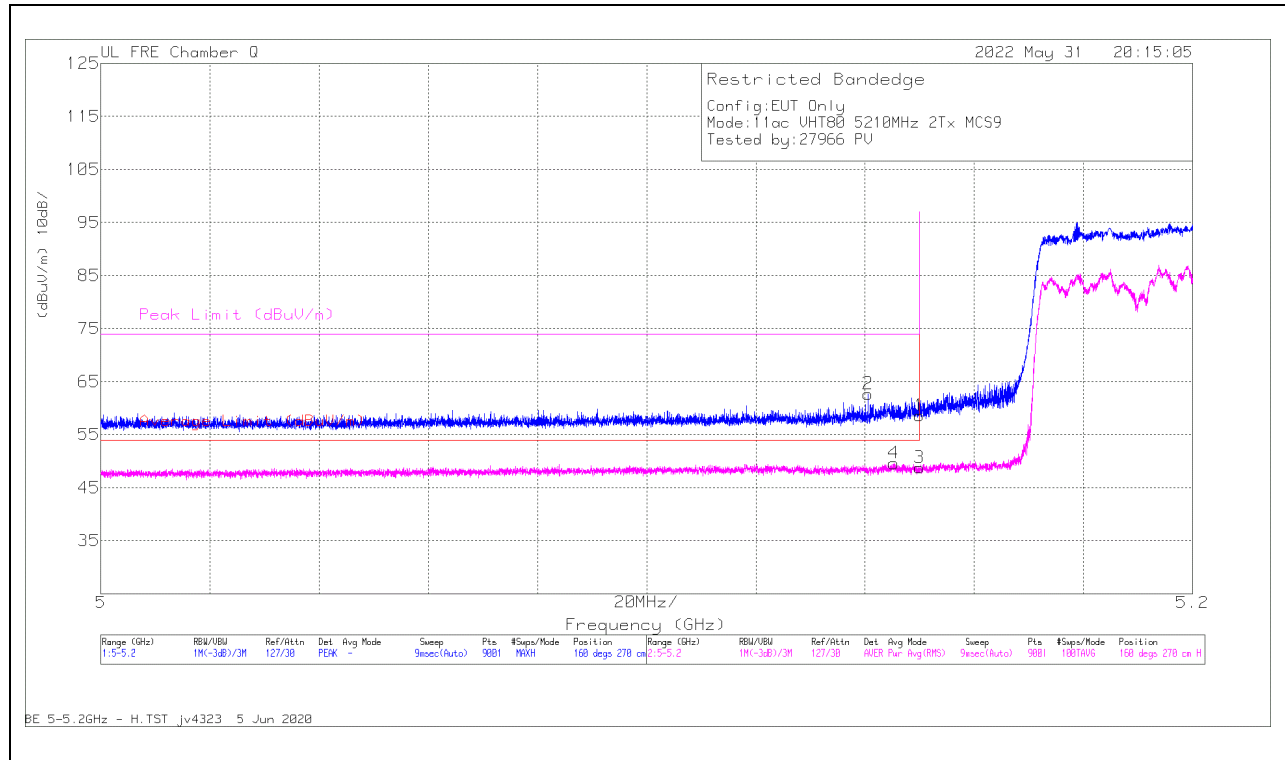
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.72	Pk	34.5	-21.4	0	58.82	-	-	74	-15.18	316	119	V
2	* 5.148068	48.67	Pk	34.5	-21.4	0	61.77	-	-	74	-12.23	316	119	V
3	* 5.15	33.82	RMS	34.5	-21.4	1.28	48.2	54	-5.8	-	-	316	119	V
4	* 5.136216	35.42	RMS	34.4	-21.3	1.28	49.8	54	-4.2	-	-	316	119	V

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

**2TX Antenna 6 + Antenna 5 CDD MODE**

**BANDEDGE (MID CHANNEL)**

**HORIZONTAL RESULT**

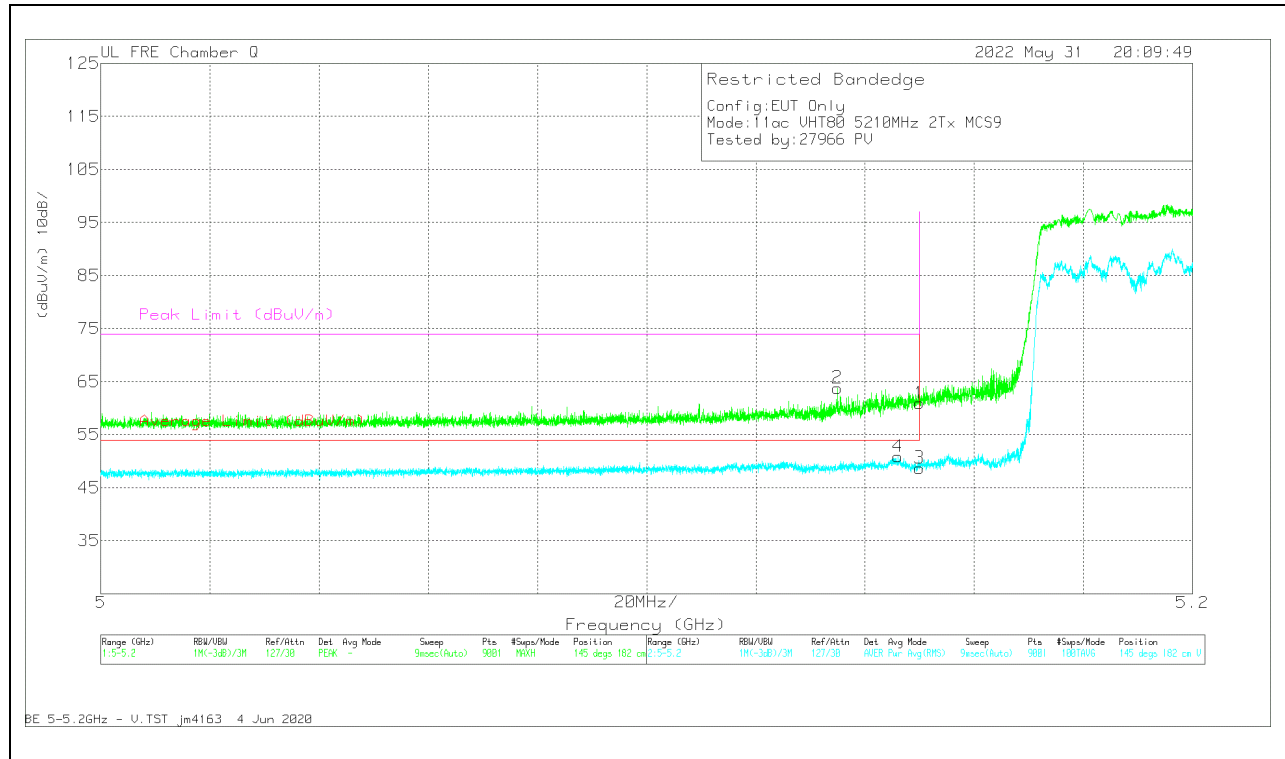


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cb1/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	55.67	Pk	34.3	-31.4	0	58.57	-	-	74	-15.43	160	270	H
2	5.14051	59.86	Pk	34.2	-31.4	0	62.66	-	-	74	-11.34	160	270	H
3	5.15	44.58	RMS	34.3	-31.4	1.28	48.76	54	-5.24	-	-	160	270	H
4	5.145265	45.41	RMS	34.3	-31.4	1.28	49.59	54	-4.41	-	-	160	270	H

Pk - Peak detector  
 RMS - RMS detection



**VERTICAL RESULT**

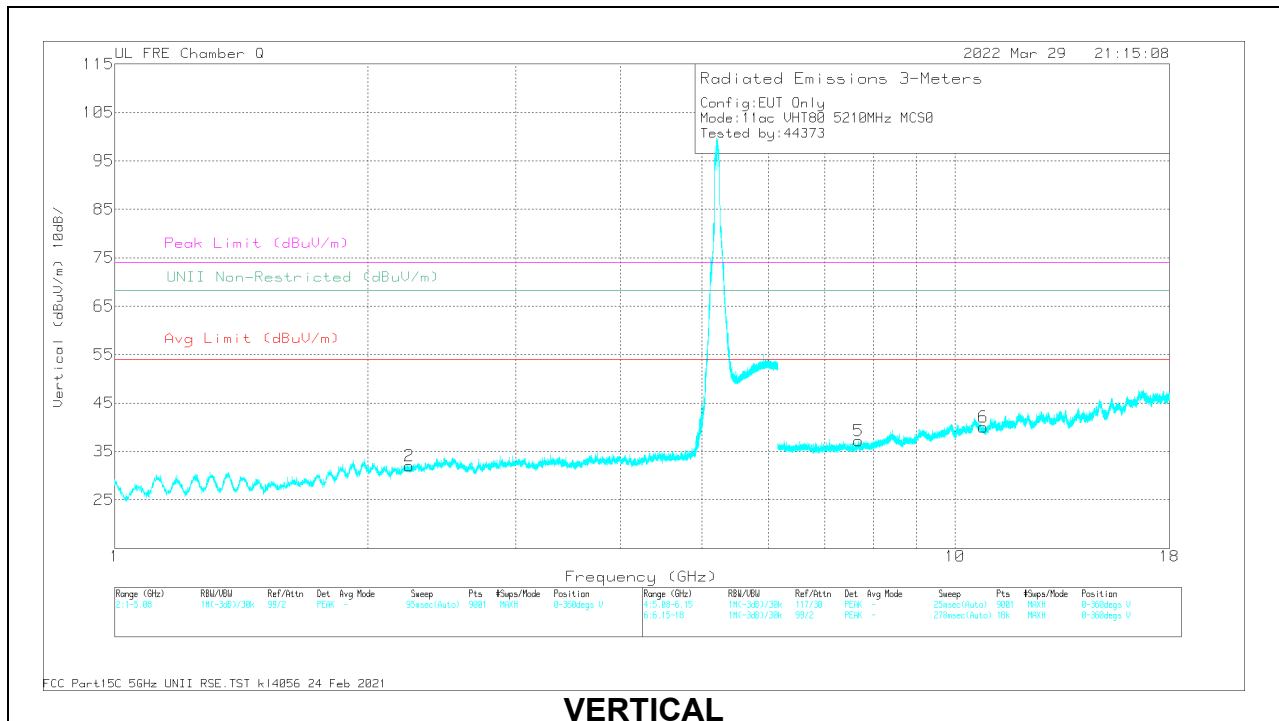
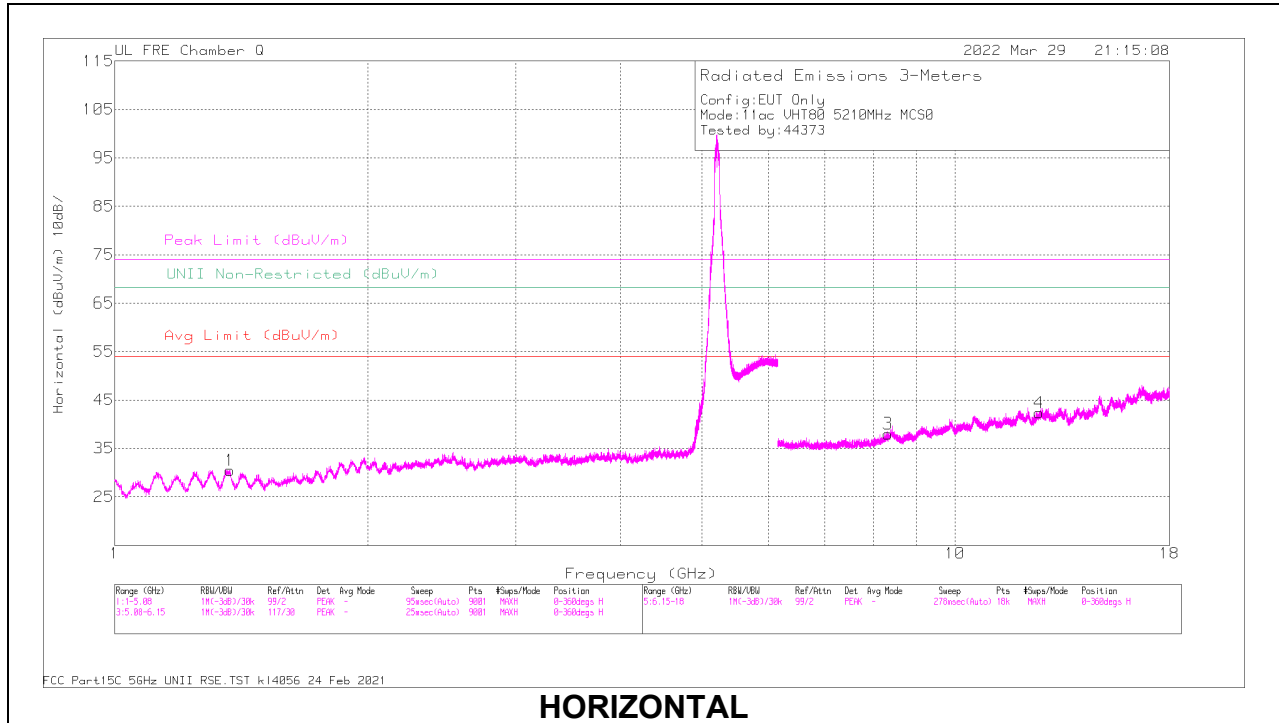


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	58.02	Pk	34.3	-31.4	0	60.92	-	-	74	-13.08	145	182	V
2	5.134954	61.09	Pk	34.2	-31.5	0	63.79	-	-	74	-10.21	145	182	V
3	5.15	44.47	RMS	34.3	-31.4	1.28	48.65	54	-5.35	-	-	145	182	V
4	5.146021	46.67	RMS	34.3	-31.4	1.28	50.85	54	-3.15	-	-	145	182	V

Pk - Peak detector  
RMS - RMS detector

# HARMONICS AND SPURIOUS EMISSIONS

## MID CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.36973	56.12	PK-U	28.8	-44.9	0	40.02	-	-	74	-33.98	262	174	H
	* 1.370421	44.64	ADR	28.8	-44.9	.35	28.89	54	-25.11	-	-	262	174	H
2	* 2.24029	54.38	PK-U	31.6	-44.2	0	41.78	-	-	74	-32.22	38	243	V
	* 2.241363	43.01	ADR	31.6	-44.2	.35	30.76	54	-23.24	-	-	38	243	V
3	* 8.318815	47.98	PK-U	36	-36.3	0	47.68	-	-	74	-26.32	30	218	H
	* 8.319336	36.5	ADR	36	-36.3	.35	36.55	54	-17.45	-	-	30	218	H
4	* 12.580546	47.34	PK-U	39.2	-35	0	51.54	-	-	74	-22.46	220	128	H
	* 12.583692	36.23	ADR	39.2	-34.9	.35	40.88	54	-13.12	-	-	220	128	H
5	* 7.6756	48.07	PK-U	35.8	-37.7	0	46.17	-	-	74	-27.83	77	166	V
	* 7.675447	36.64	ADR	35.8	-37.7	.35	35.09	54	-18.91	-	-	77	166	V
6	* 10.812022	46.46	PK-U	37.8	-34.3	0	49.96	-	-	74	-24.04	49	143	V
	* 10.813976	35.13	ADR	37.8	-34.3	.35	38.98	54	-15.02	-	-	49	143	V

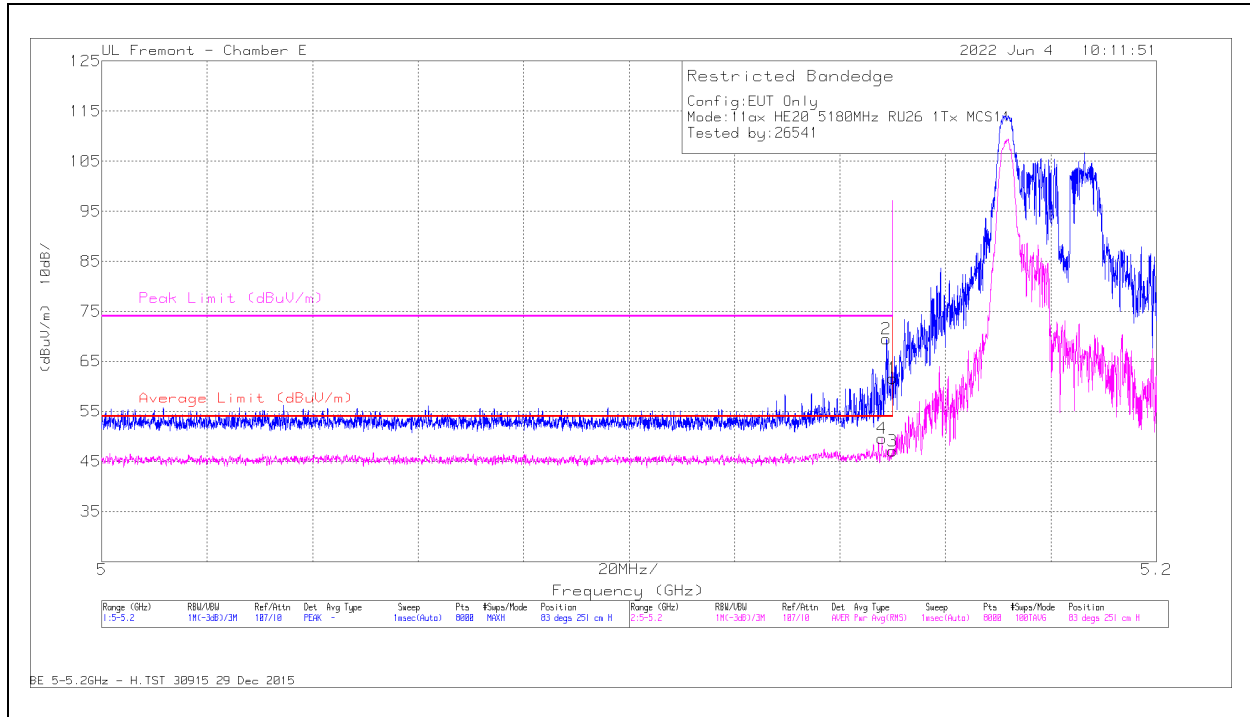
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

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

#### 1TX Antenna 6 MODE: 26-Tones, RU Index 0

#### BANDEDGE (LOW CHANNEL)

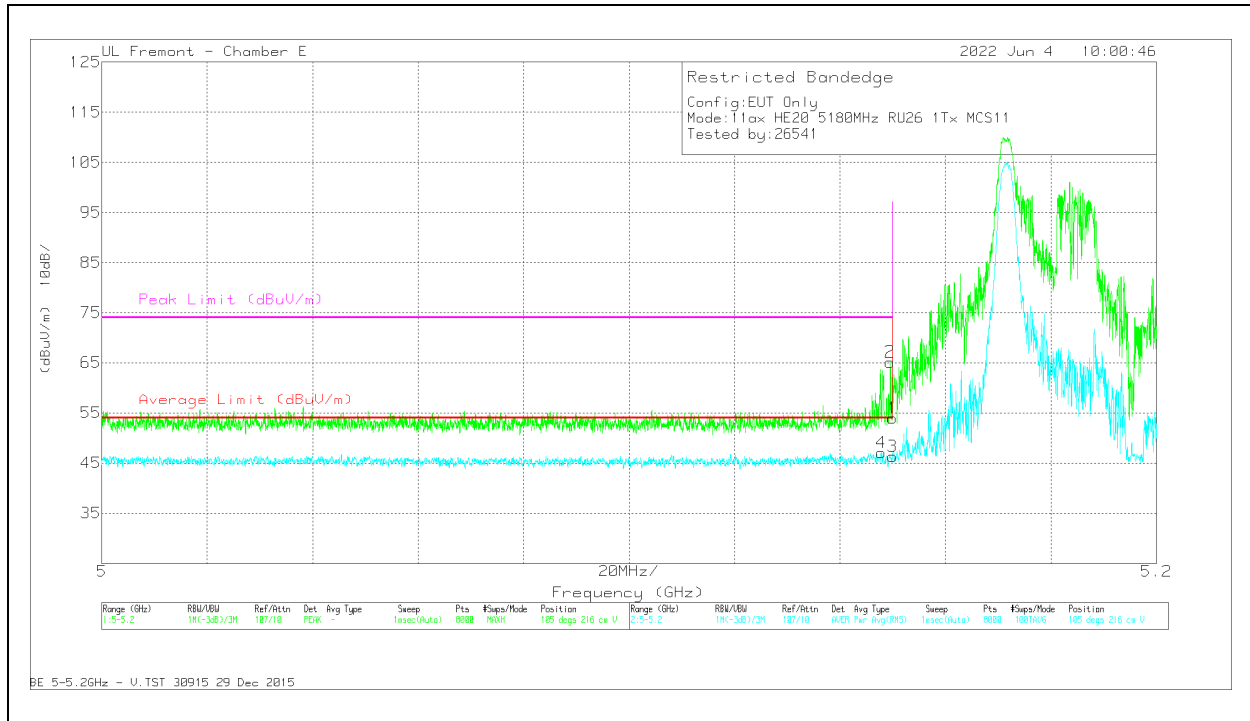
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.15	48.52	Pk	34.5	-21.4	0	61.62	-	-	74	-12.38	83	251	H
2	* 5.148818	56.35	Pk	34.5	-21.4	0	69.45	-	-	74	-4.55	83	251	H
3	* 5.15	33.49	RMS	34.5	-21.4	.46	47.05	54	-6.95	-	-	83	251	H
4	* 5.147943	36	RMS	34.5	-21.4	.46	49.56	54	-4.44	-	-	83	251	H

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

**VERTICAL RESULT**



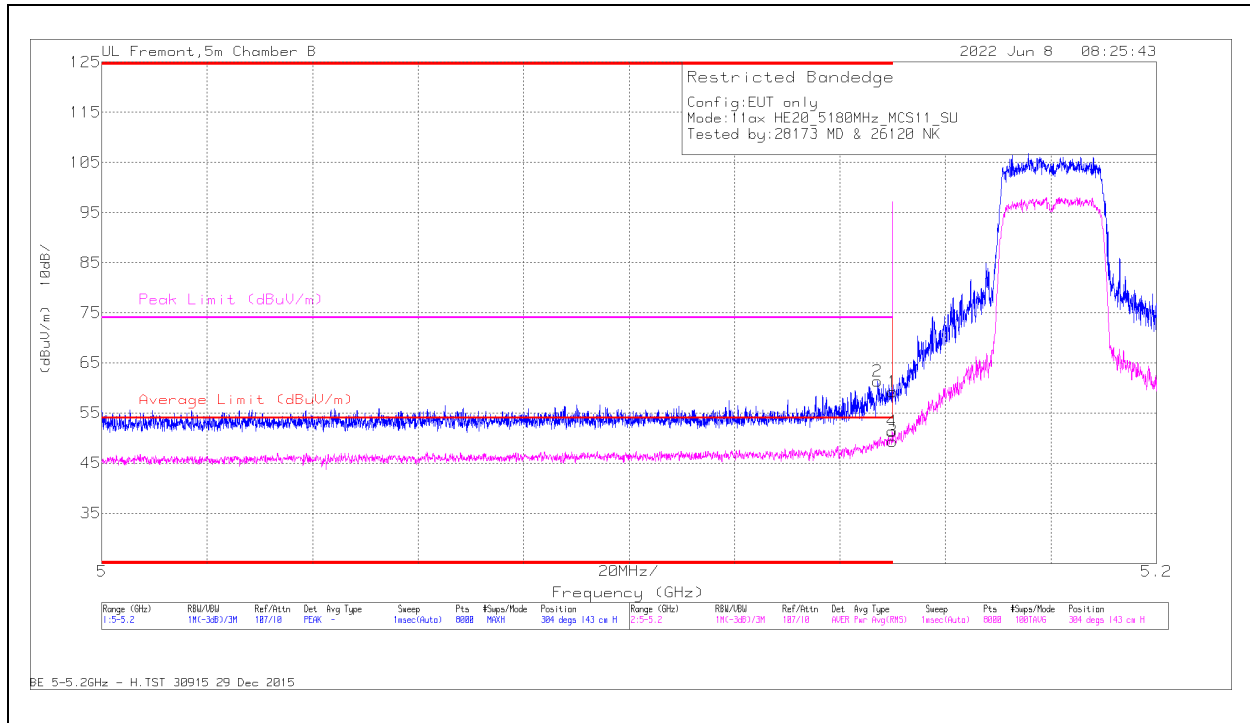
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.91	Pk	34.5	-21.4	0	54.01	-	-	74	-19.99	105	216	V
2	* 5.149518	52.07	Pk	34.5	-21.4	0	65.17	-	-	74	-8.83	105	216	V
3	* 5.15	32.82	RMS	34.5	-21.4	.46	46.38	54	-7.62	-	-	105	216	V
4	* 5.147768	33.49	RMS	34.5	-21.4	.46	47.05	54	-6.95	-	-	105	216	V

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

**1TX Antenna 6 MODE: SU, Single User**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



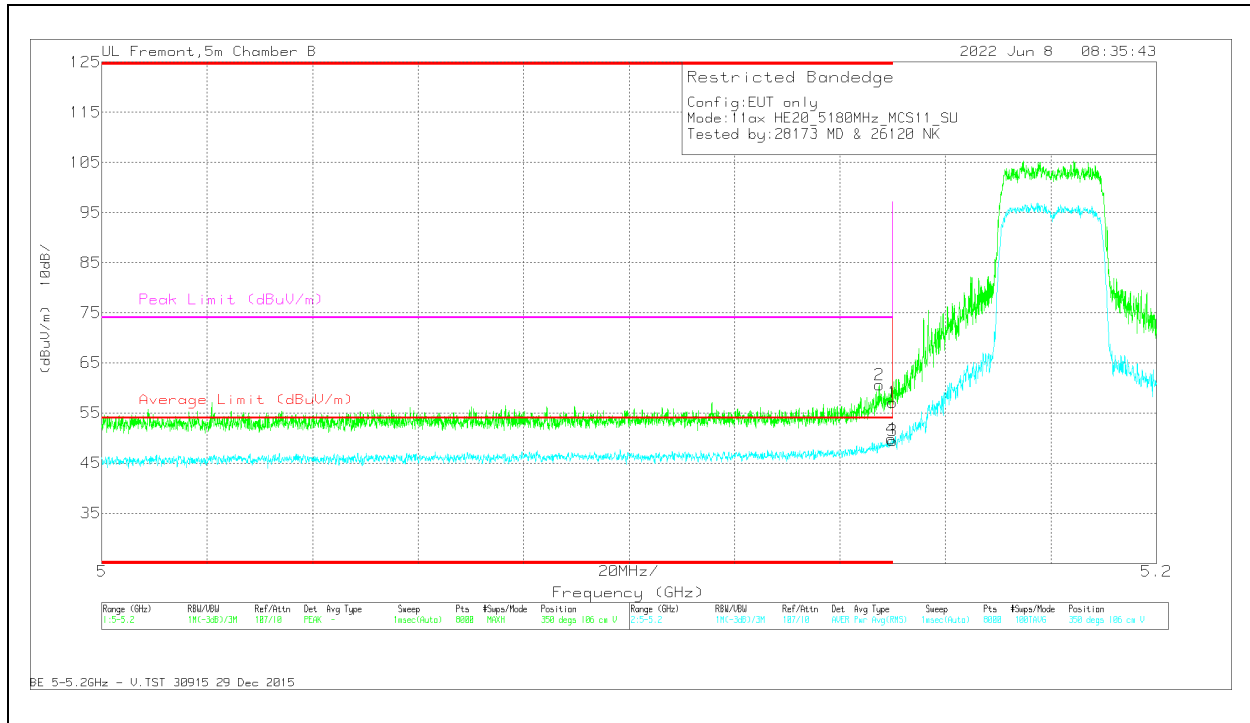
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.99	Pk	34.7	-20.5	0	59.19	-	-	74	-14.81	304	143	H
2	* 5.147118	47.12	Pk	34.7	-20.5	0	61.32	-	-	74	-12.68	304	143	H
3	* 5.15	34.61	RMS	34.7	-20.5	.61	49.42	54	-4.58	-	-	304	143	H
4	* 5.149893	36.53	RMS	34.7	-20.5	.61	51.34	54	-2.66	-	-	304	143	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



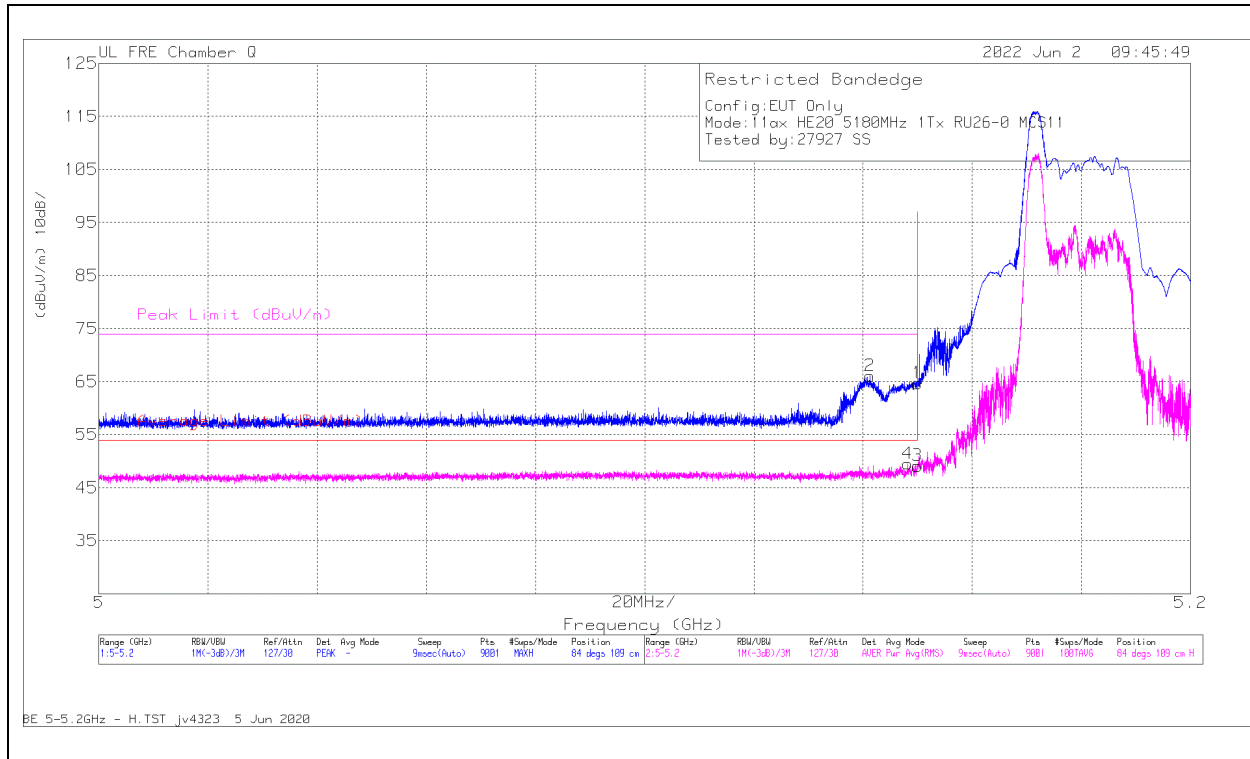
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.95	PK	34.7	-20.5	0	57.15	-	-	74	-16.85	350	106	V
2	* 5.147418	46.35	PK	34.7	-20.5	0	60.55	-	-	74	-13.45	350	106	V
3	* 5.15	34.65	RMS	34.7	-20.5	.61	49.46	54	-4.54	-	-	350	106	V
4	* 5.149743	35.03	RMS	34.7	-20.5	.61	49.84	54	-4.16	-	-	350	106	V

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

**1TX Antenna 5 MODE: 26-Tones, RU Index 0**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

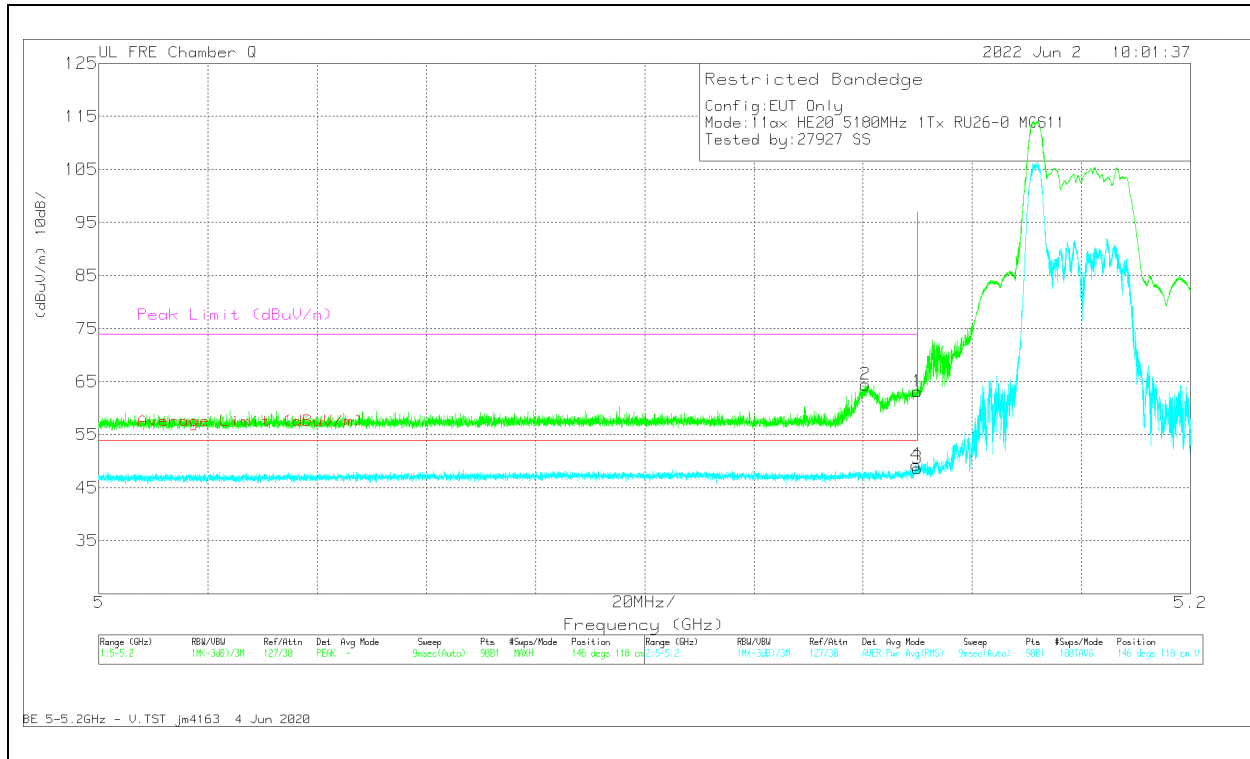


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	61.78	PK	34.3	-31.4	0	64.68	-	-	74	-9.32	84	109	H
2	5.141221	63.23	PK	34.2	-31.4	0	66.03	-	-	74	-7.97	84	109	H
3	5.15	45.72	RMS	34.3	-31.4	.46	49.08	54	-4.92	-	-	84	109	H
4	5.148132	46.13	RMS	34.3	-31.4	.46	49.49	54	-4.51	-	-	84	109	H

PK - Peak detector  
 RMS - RMS detection



**VERTICAL RESULT**



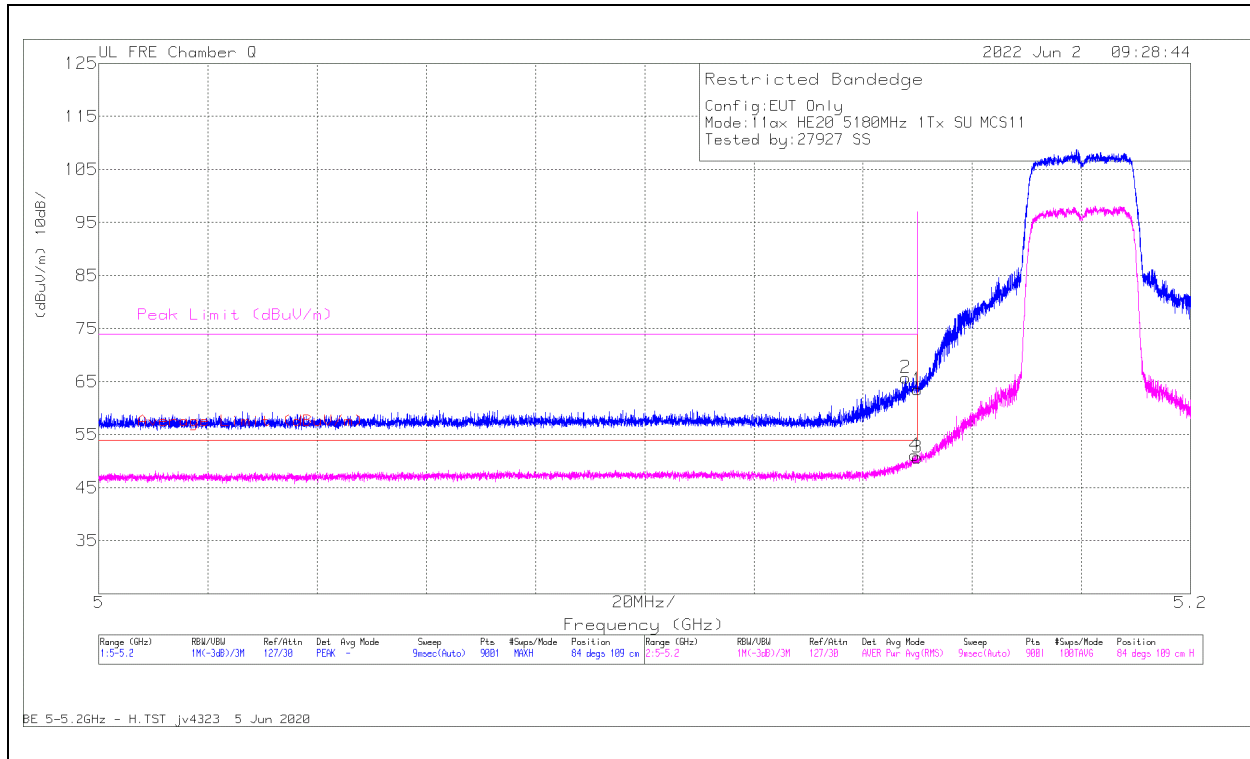
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	60.23	Pk	34.3	-31.4	0	63.13	-	-	74	-10.87	146	118	V
2	5.140399	61.65	Pk	34.2	-31.4	0	64.45	-	-	74	-9.55	146	118	V
3	5.15	45.31	RMS	34.3	-31.4	.46	48.67	54	-5.33	-	-	146	118	V
4	5.149687	45.92	RMS	34.3	-31.4	.46	49.28	54	-4.72	-	-	146	118	V

Pk - Peak detector  
 RMS - RMS detection

**1TX Antenna 5 MODE: SU, Single User**

**BANDEDGE (LOW CHANNEL)**

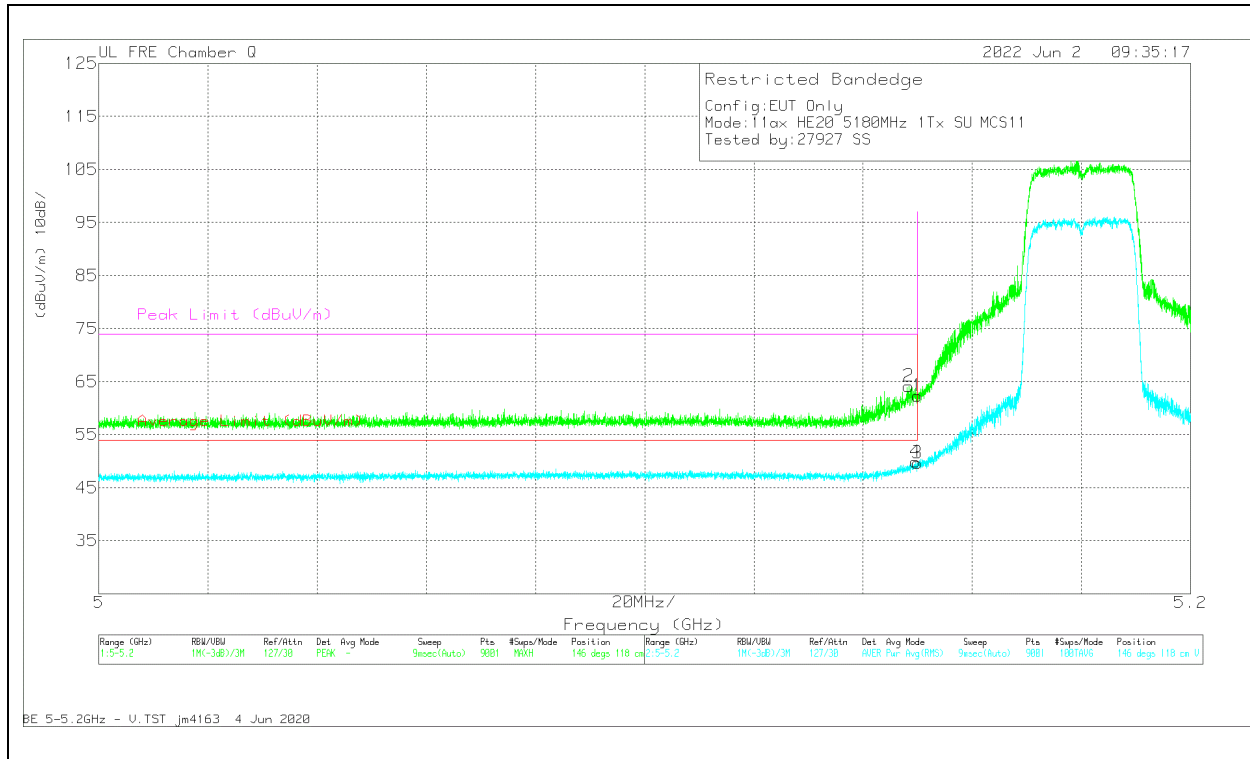
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/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	5.15	60.62	Pk	34.3	-31.4	0	63.52	-	-	74	-10.48	84	109	H
2	5.147799	62.83	Pk	34.3	-31.4	0	65.73	-	-	74	-8.27	84	109	H
3	5.15	47.18	RMS	34.3	-31.4	.61	50.69	54	-3.31	-	-	84	109	H
4	5.149487	47.62	RMS	34.3	-31.4	.61	51.13	54	-2.87	-	-	84	109	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**

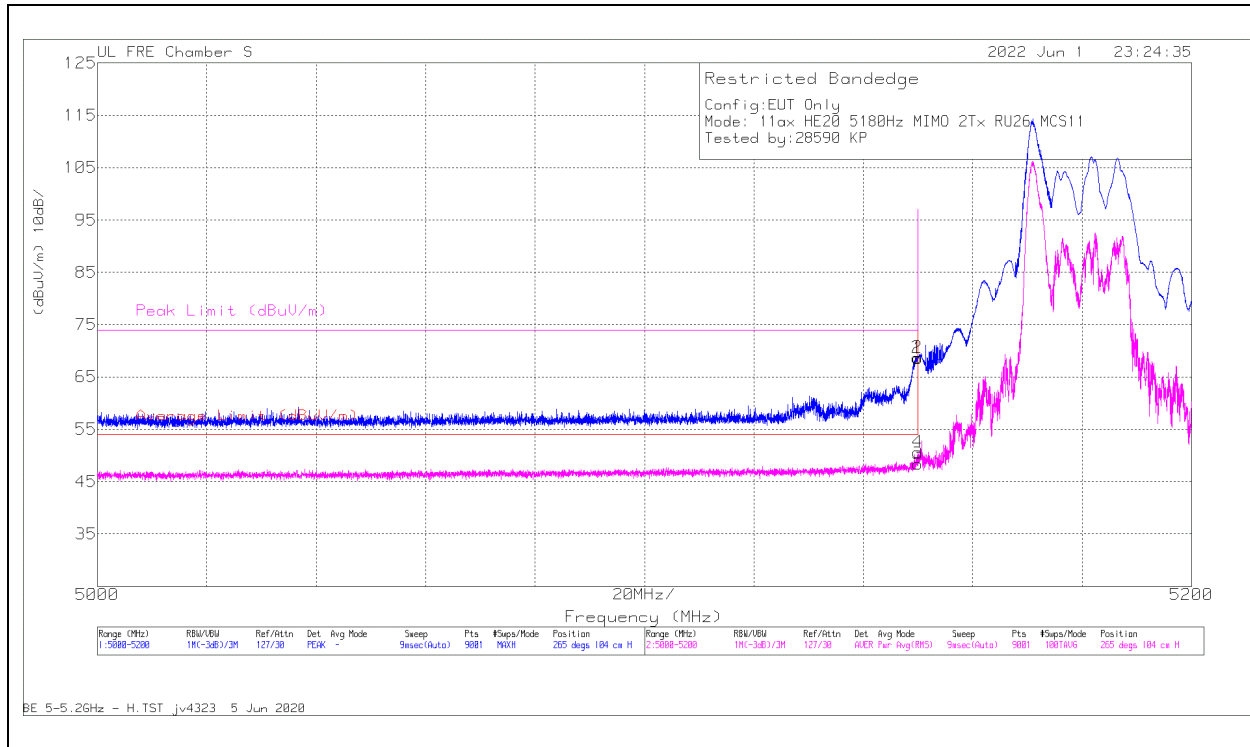


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	59.38	Pk	34.3	-31.4	0	62.28	-	-	74	-11.72	146	118	V
2	5.148354	61.23	Pk	34.3	-31.4	0	64.13	-	-	74	-9.87	146	118	V
3	5.15	46.14	RMS	34.3	-31.4	.61	49.65	54	-4.35	-	-	146	118	V
4	5.149643	46.36	RMS	34.3	-31.4	.61	49.87	54	-4.13	-	-	146	118	V

Pk - Peak detector  
RMS - RMS detection

**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tones, RU Index 0**  
**BANDEDGE (LOW CHANNEL)**

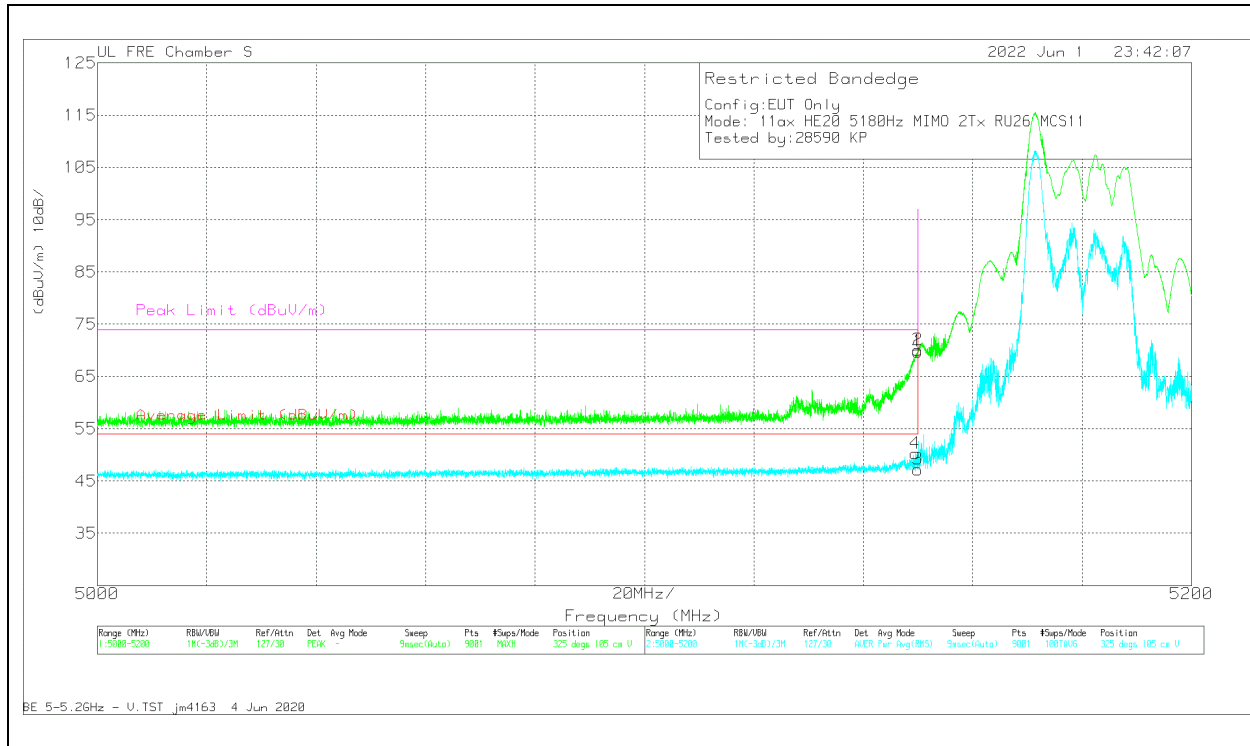
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/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	65.68	Pk	34.5	-31.6	0	68.58	-	-	74	-5.42	265	104	H
2	5149.887	65.84	Pk	34.5	-31.6	0	68.74	-	-	74	-5.26	265	104	H
3	5150	45.01	RMS	34.5	-31.6	.46	48.37	54	-5.63	-	-	265	104	H
4	5149.932	47.27	RMS	34.5	-31.6	.46	50.63	54	-3.37	-	-	265	104	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**

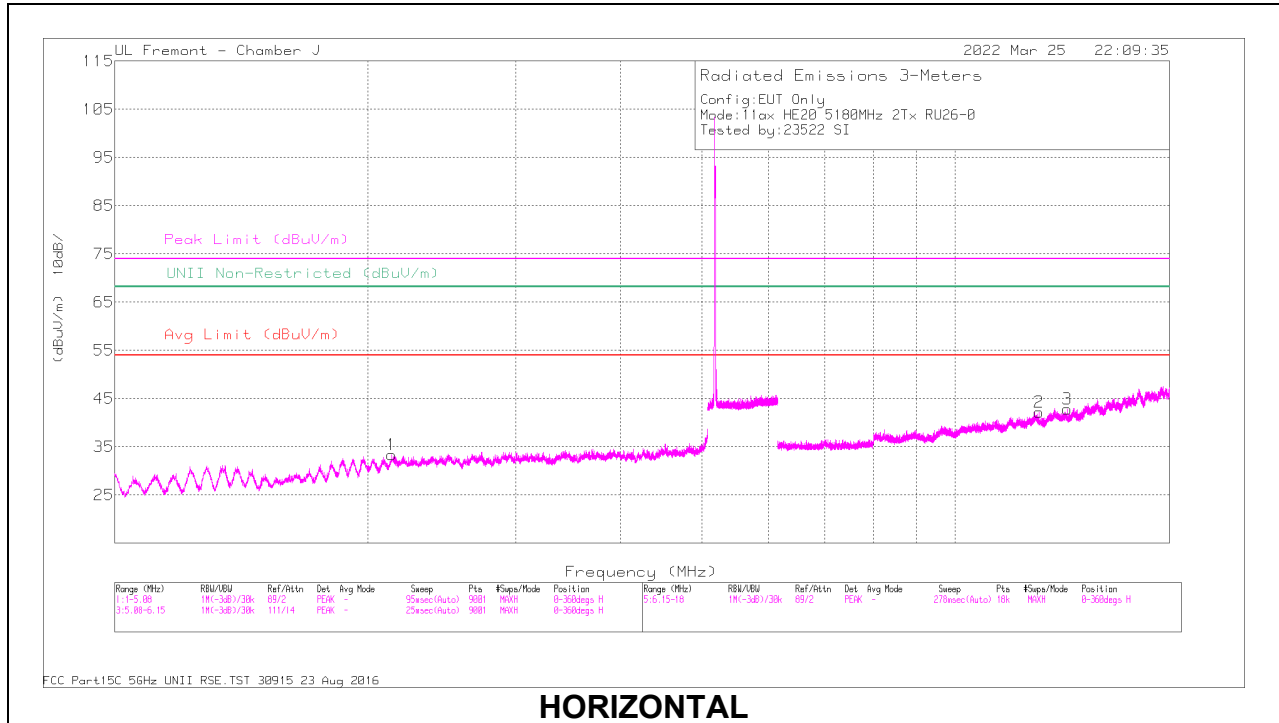


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5150	66.87	Pk	34.5	-31.6	0	69.77	-	-	74	-4.23	325	105	V
2	5149.976	67.15	Pk	34.5	-31.6	0	70.05	-	-	74	-3.95	325	105	V
3	5150	43.79	RMS	34.5	-31.6	.46	47.15	54	-6.85	-	-	325	105	V
4	5149.487	46.85	RMS	34.5	-31.6	.46	50.21	54	-3.79	-	-	325	105	V

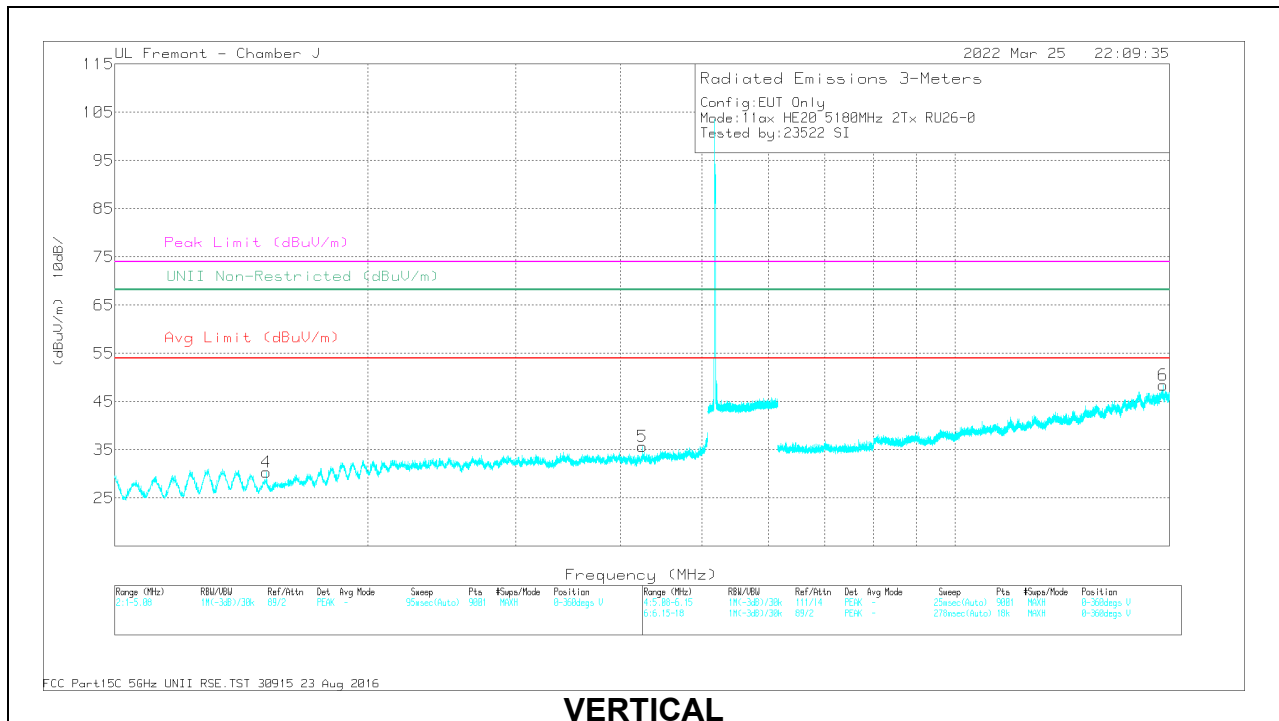
Pk - Peak detector  
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



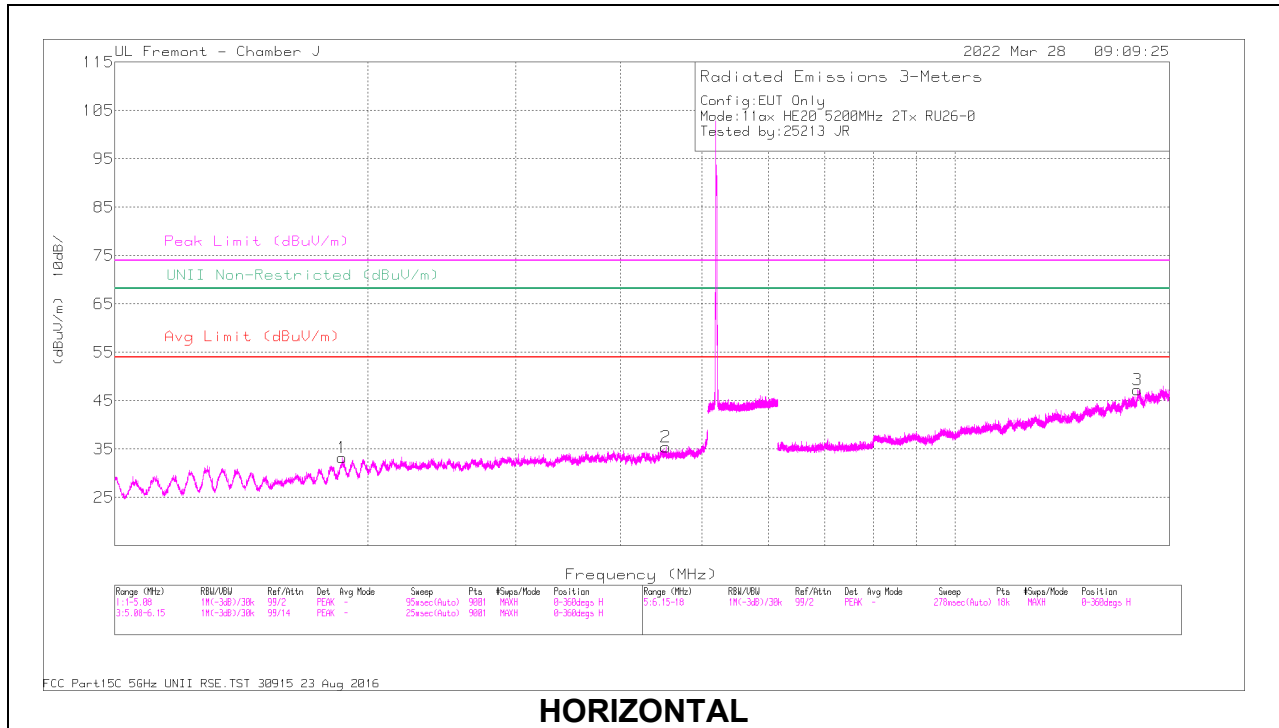
**VERTICAL**

**RADIATED EMISSIONS**

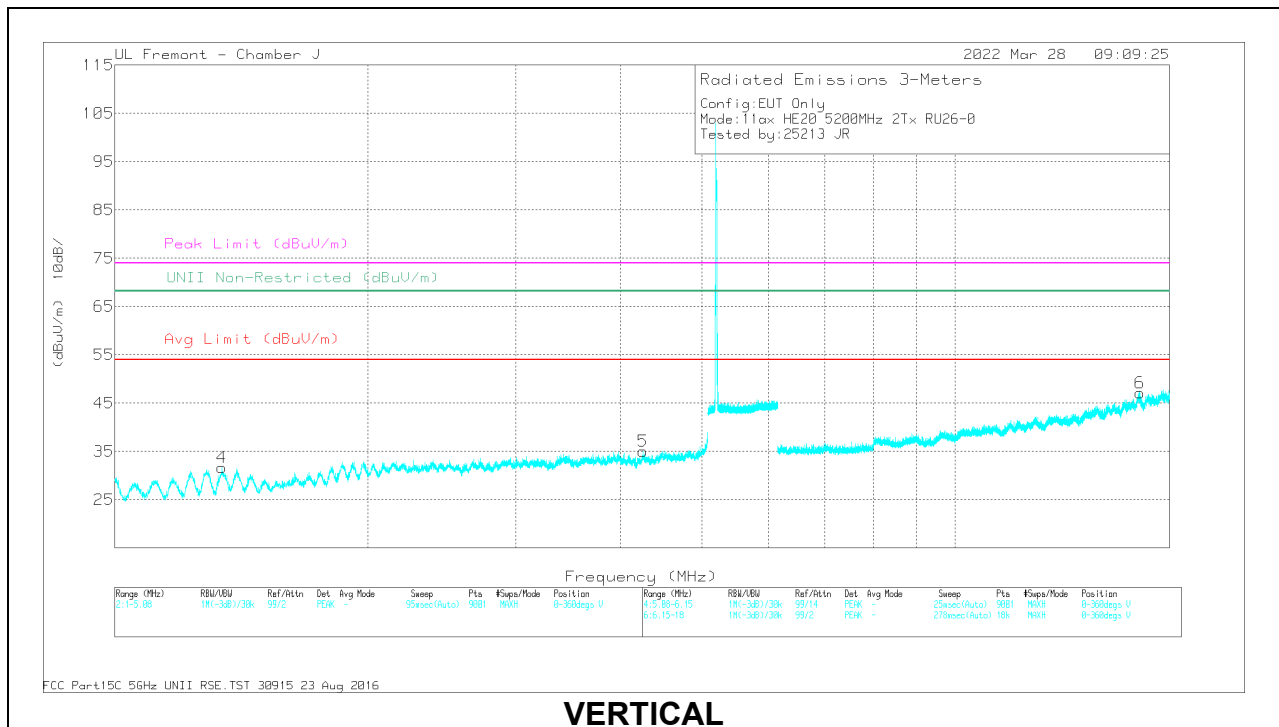
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206806 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2134.561	61.58	PK-U	31.5	-49.4	43.68	-	-	-	-	68.2	-24.52	264	146	H
2	* 12596.782	54.91	PK-U	39.1	-43.7	50.31	-	-	74	-23.69	-	-	325	214	H
	* 12596.665	44.01	ADR	39.1	-43.7	39.41	54	-14.59	-	-	-	-	325	214	H
3	13606.802	56.69	PK-U	38.7	-43.7	51.69	-	-	-	-	68.2	-16.51	177	362	H
4	* 1513.088	59.68	PK-U	28.1	-48.9	38.88	-	-	74	-35.12	-	-	63	279	V
	* 1512.826	48.14	ADR	28.1	-48.9	27.34	54	-26.66	-	-	-	-	63	279	V
5	* 4245.07	57.47	PK-U	33.4	-47.3	43.57	-	-	74	-30.43	-	-	307	379	V
	* 4246.648	46.45	ADR	33.4	-47.3	32.55	54	-21.45	-	-	-	-	307	379	V
6	17686.41	56.36	PK-U	41.6	-41.3	56.66	-	-	-	-	68.2	-11.54	119	169	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 RESULTS**



**HORIZONTAL**



**VERTICAL**

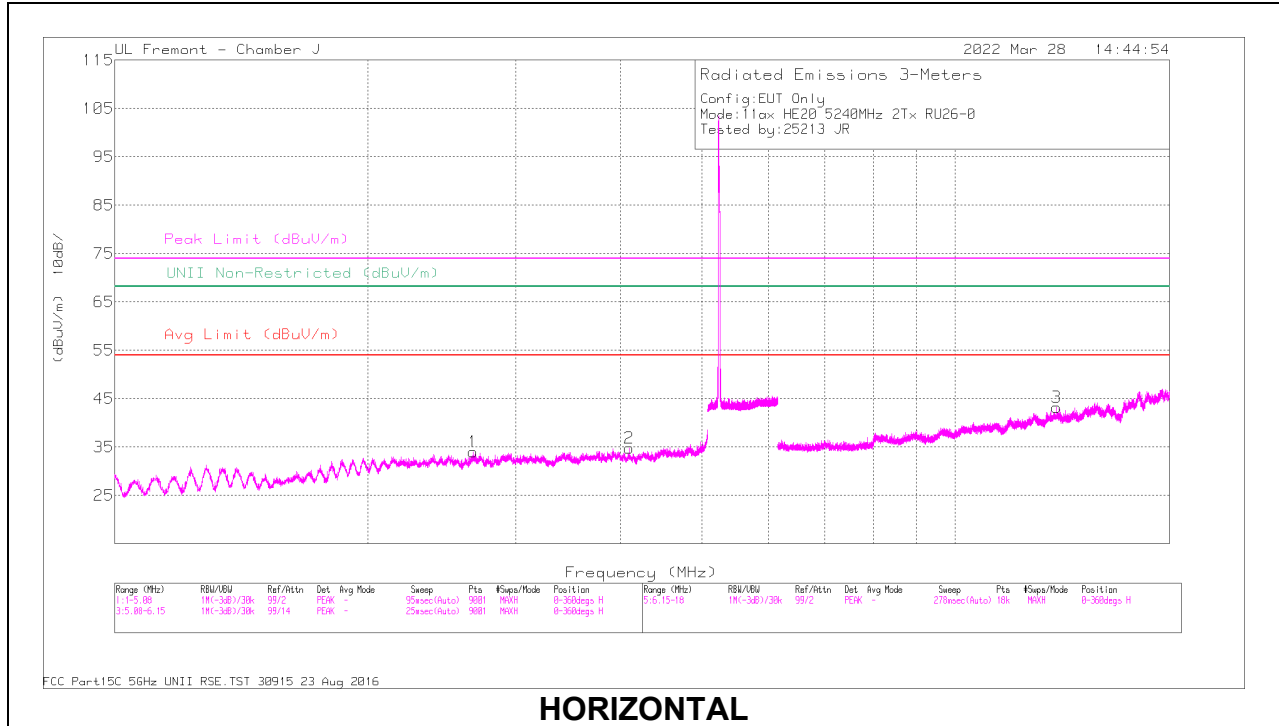


**RADIATED EMISSIONS**

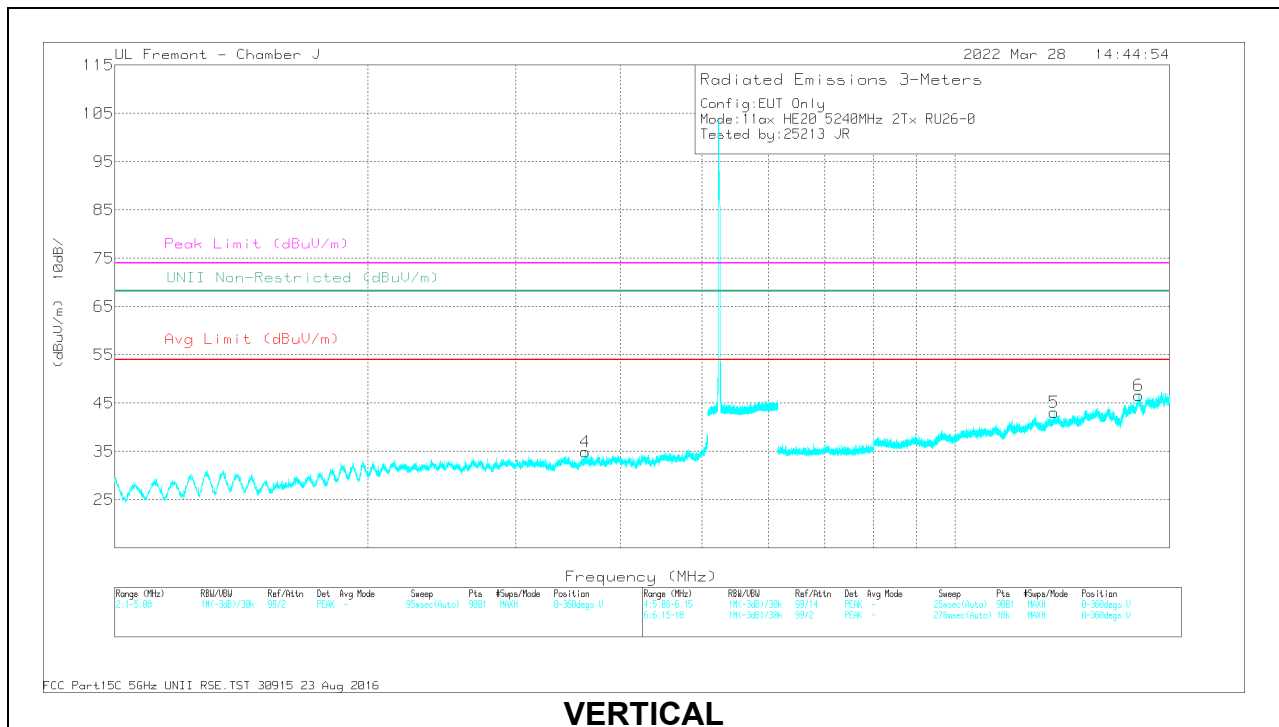
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206806 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1867.347	61.77	PK-U	30.7	-49.3	43.17	-	-	-	-	68.2	-25.03	344	111	H
2	* 4529.19	57.74	PK-U	34	-47	44.74	-	-	74	-29.26	-	-	144	182	H
	* 4527.679	45.86	ADR	34	-47	32.86	54	-21.14	-	-	-	-	144	182	H
3	16485.337	56.45	PK-U	41.3	-42.1	55.65	-	-	-	-	68.2	-12.55	30	375	H
	* 1338.543	60.69	PK-U	28.8	-49	40.49	-	-	74	-33.51	-	-	100	188	V
	* 1341.568	49.68	ADR	28.9	-49	29.58	54	-24.42	-	-	-	-	100	188	V
5	* 4254.932	57.98	PK-U	33.3	-47.2	44.08	-	-	74	-29.92	-	-	93	222	V
	* 4253.909	46.23	ADR	33.3	-47.2	32.33	54	-21.67	-	-	-	-	93	222	V
6	16602.713	56.17	PK-U	41.4	-42.1	55.47	-	-	-	-	68.2	-12.73	178	350	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 RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

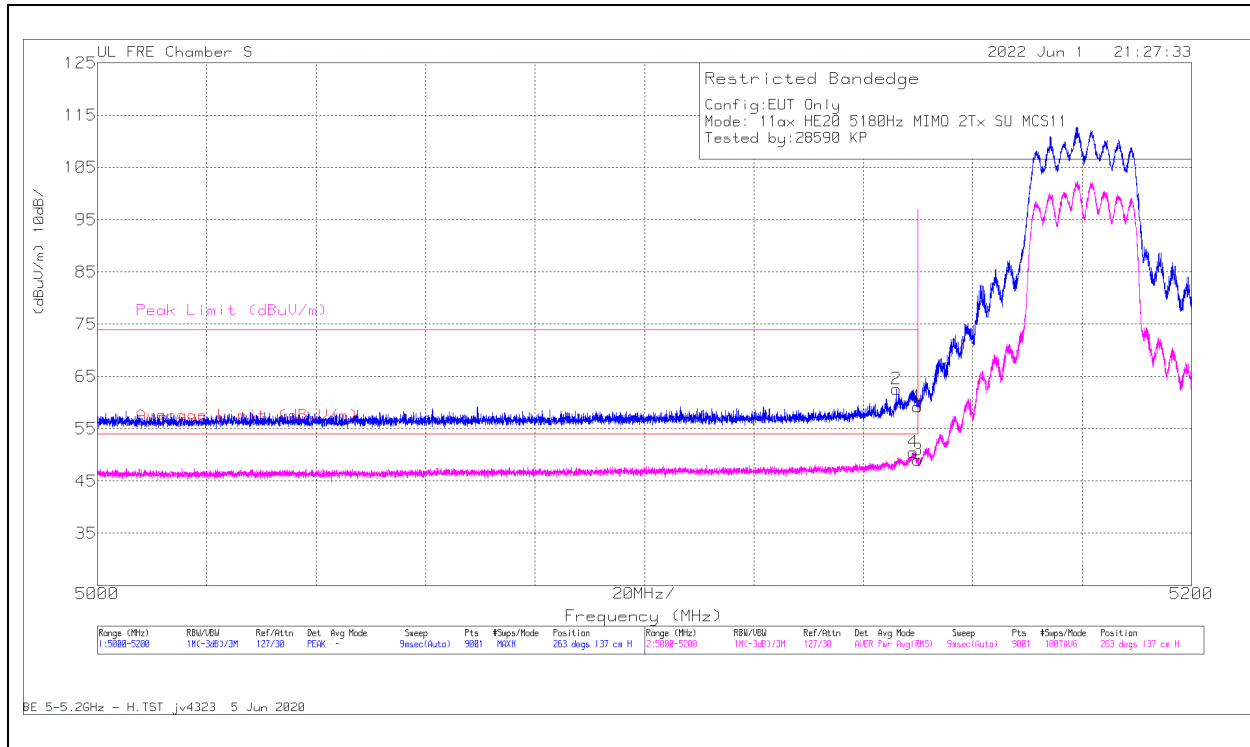
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206806 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2669.761	59	PK-U	32.4	-48.4	43	-	-	74	-31	-	-	263	343	H
	* 2668.531	47.75	ADR	32.4	-48.4	31.75	54	-22.25	-	-	-	-	263	343	H
2	* 4093.668	57.18	PK-U	33.3	-47.1	43.38	-	-	74	-30.62	-	-	193	284	H
	* 4093.364	45.78	ADR	33.3	-47.1	31.98	54	-22.02	-	-	-	-	193	284	H
3	13213.96	56.36	PK-U	39.2	-43.9	51.66	-	-	-	-	68.2	-16.54	37	321	H
4	* 3632.605	57.63	PK-U	33.1	-47	43.73	-	-	74	-30.27	-	-	271	281	V
	* 3630.687	45.71	ADR	33.1	-47	31.81	54	-22.19	-	-	-	-	271	281	V
5	13110.02	56.48	PK-U	39.3	-44.2	51.58	-	-	-	-	68.2	-16.62	352	363	V
6	16555.619	55.89	PK-U	41.4	-41.4	55.89	-	-	-	-	68.2	-12.31	118	249	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 6 + Antenna 5 OFDMA MODE: SU, Single User**

**BANDEDGE (LOW CHANNEL)**

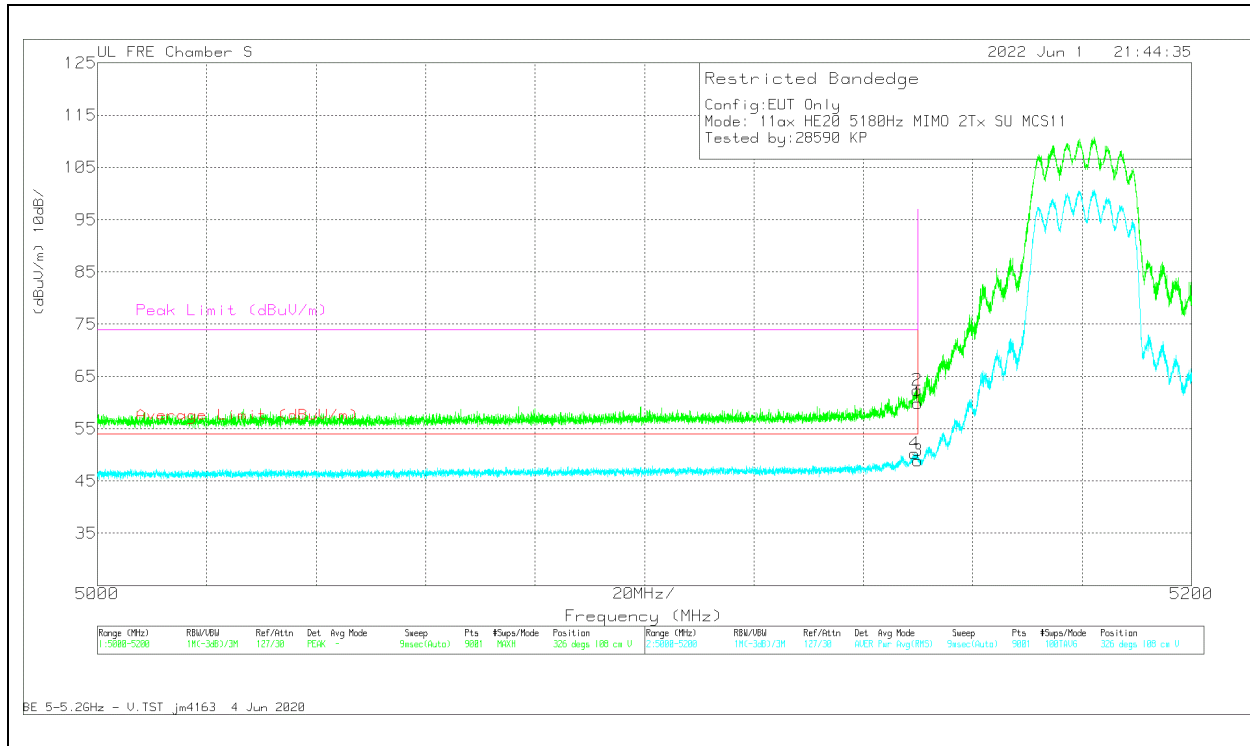
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/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	56.37	Pk	34.5	-31.6	0	59.27	-	-	74	-14.73	263	137	H
2	5145.999	59.7	Pk	34.5	-31.6	0	62.6	-	-	74	-11.4	263	137	H
3	5150	45.43	RMS	34.5	-31.6	.61	48.94	54	-5.06	-	-	263	137	H
4	5149.154	46.97	RMS	34.5	-31.6	.61	50.48	54	-3.52	-	-	263	137	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**

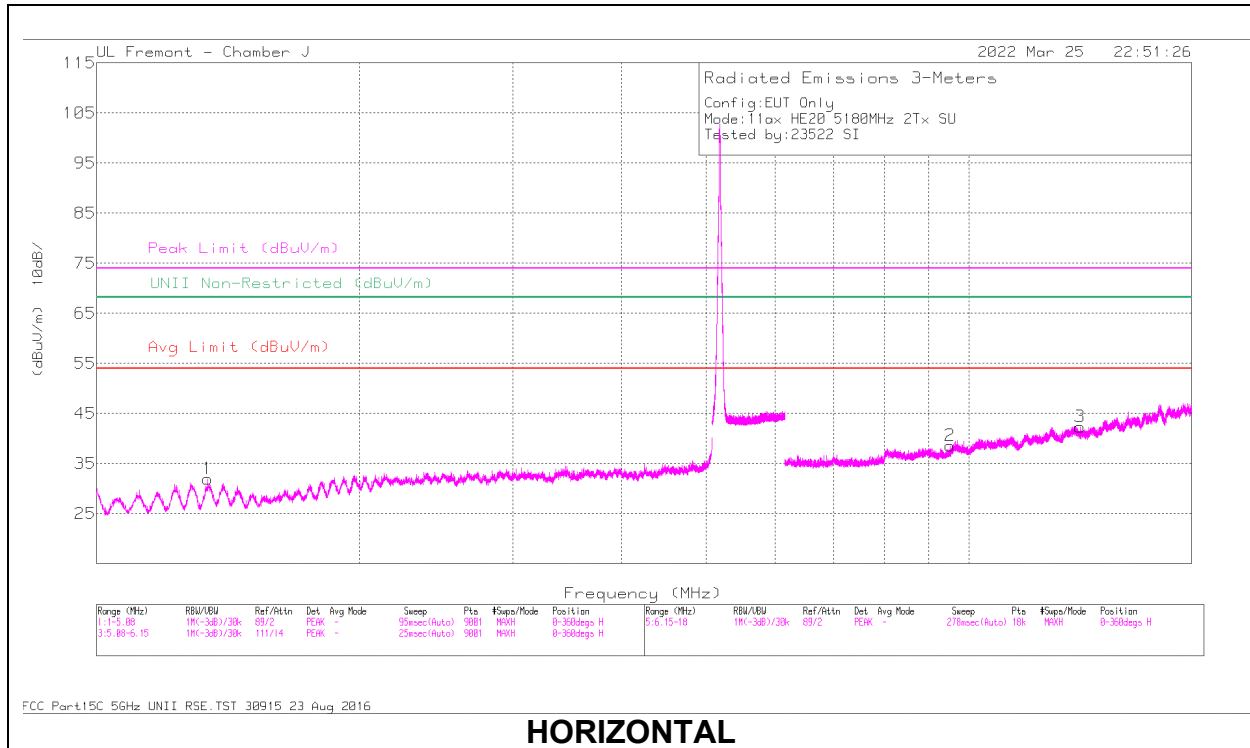


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbi/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5150	56.97	Pk	34.5	-31.6	0	59.87	-	-	74	-14.13	326	108	V
2	5149.865	59.5	Pk	34.5	-31.6	0	62.4	-	-	74	-11.6	326	108	V
3	5150	45.29	RMS	34.5	-31.6	.61	48.80	54	-5.20	-	-	326	108	V
4	5149.421	46.67	RMS	34.5	-31.6	.61	50.18	54	-3.82	-	-	326	108	V

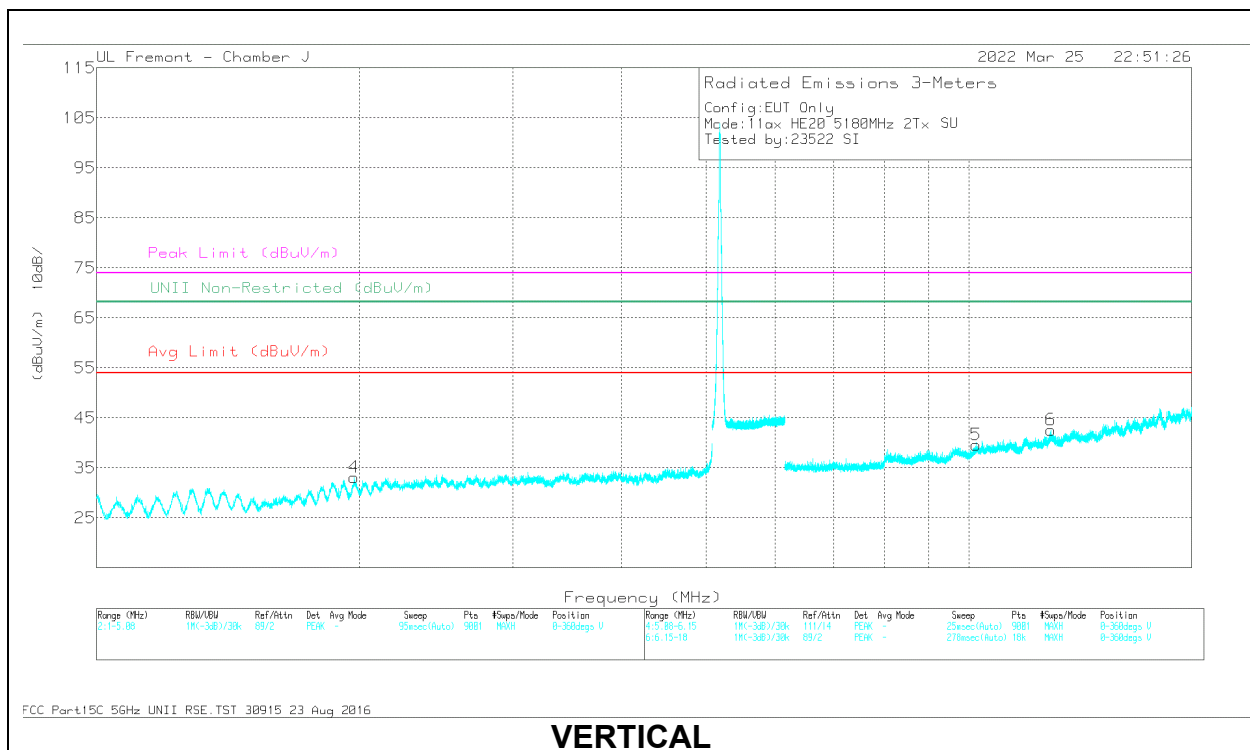
Pk - Peak detector  
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



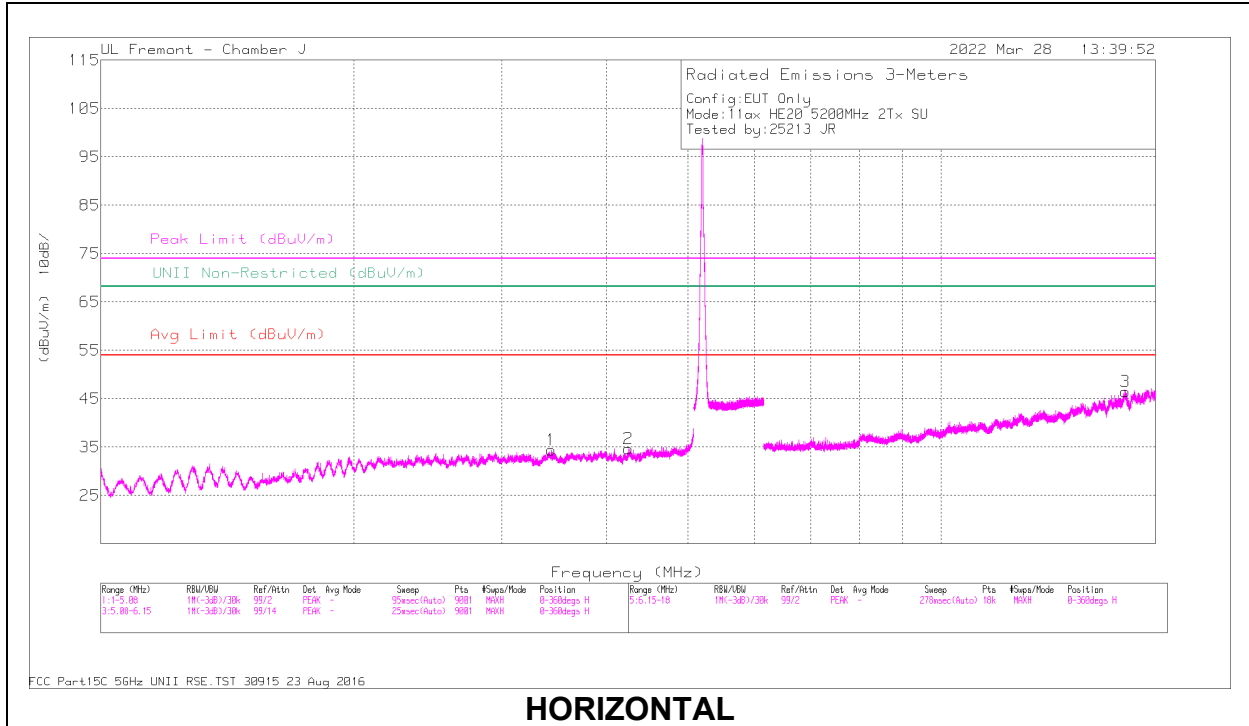
**VERTICAL**

**RADIATED EMISSIONS**

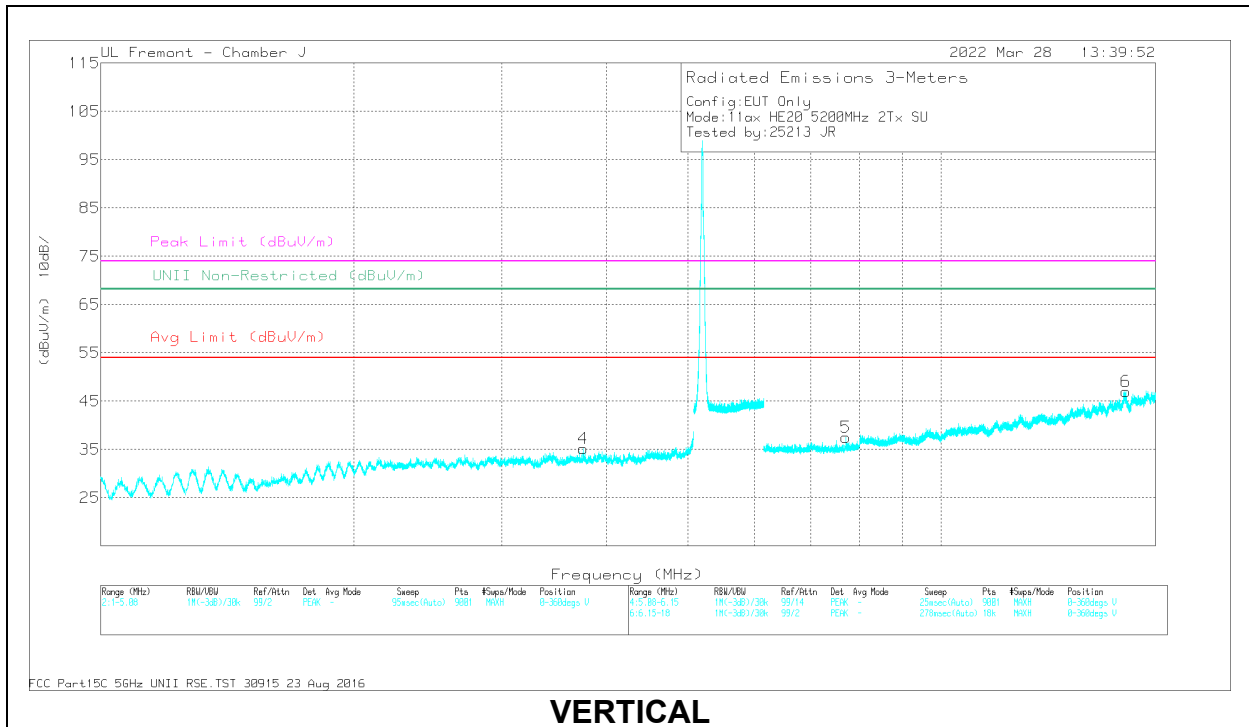
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206806 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1339.042	60.98	PK-U	28.8	-49	0	40.78	-	-	74	-33.22	-	-	98	117	H
	* 1340.762	49.6	ADR	28.9	-49	0.1	29.6	54	-24.4	-	-	-	-	98	117	H
2	9514.891	56.07	PK-U	36.5	-45.2	0	47.37	-	-	-	-	68.2	-20.83	71	319	H
3	13408.993	56.98	PK-U	39	-44.2	0	51.78	-	-	-	-	68.2	-16.42	359	106	H
4	1974.193	60.36	PK-U	31.1	-48.9	0	42.56	-	-	-	-	68.2	-25.64	28	263	V
5	10199.485	57.21	PK-U	37.3	-45.5	0	49.01	-	-	-	-	68.2	-19.19	238	106	V
6	* 12429.042	55.55	PK-U	39.1	-43.4	0	51.25	-	-	74	-22.75	-	-	241	350	V
	* 12429.686	44.14	ADR	39.1	-43.4	0.1	39.94	54	-14.06	-	-	-	-	241	350	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 RESULTS



HORIZONTAL



VERTICAL

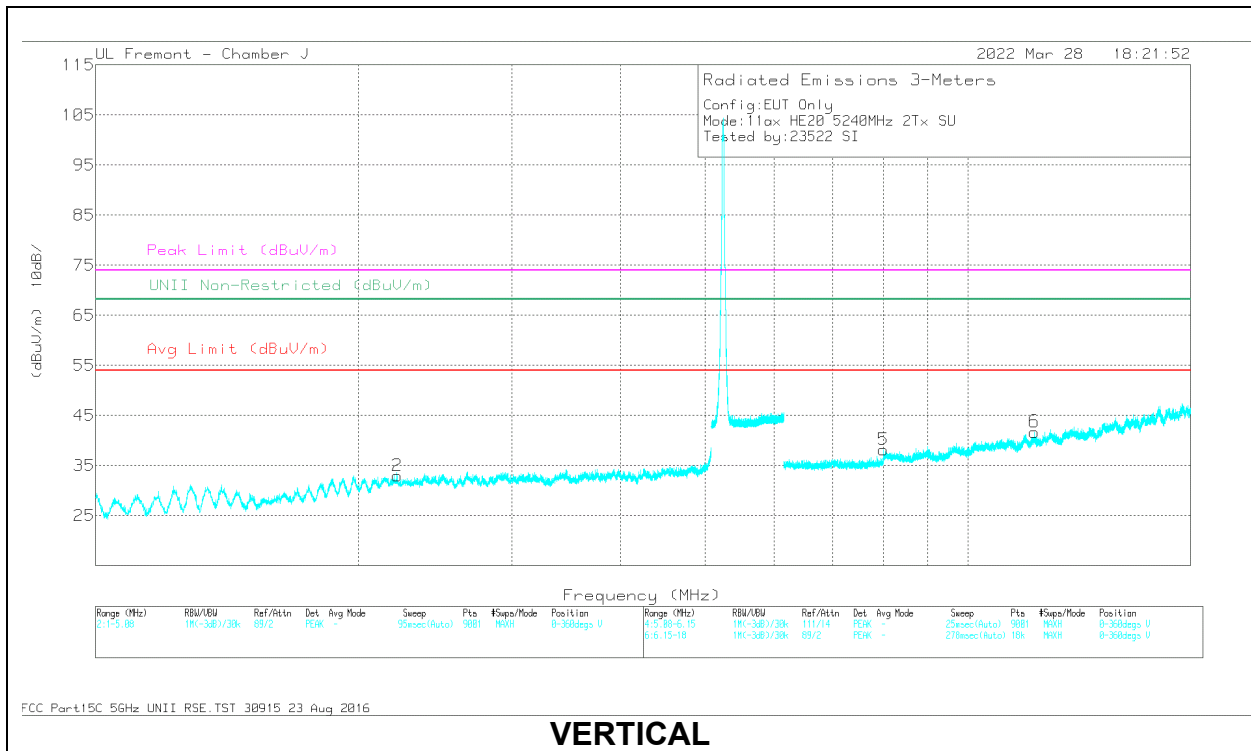
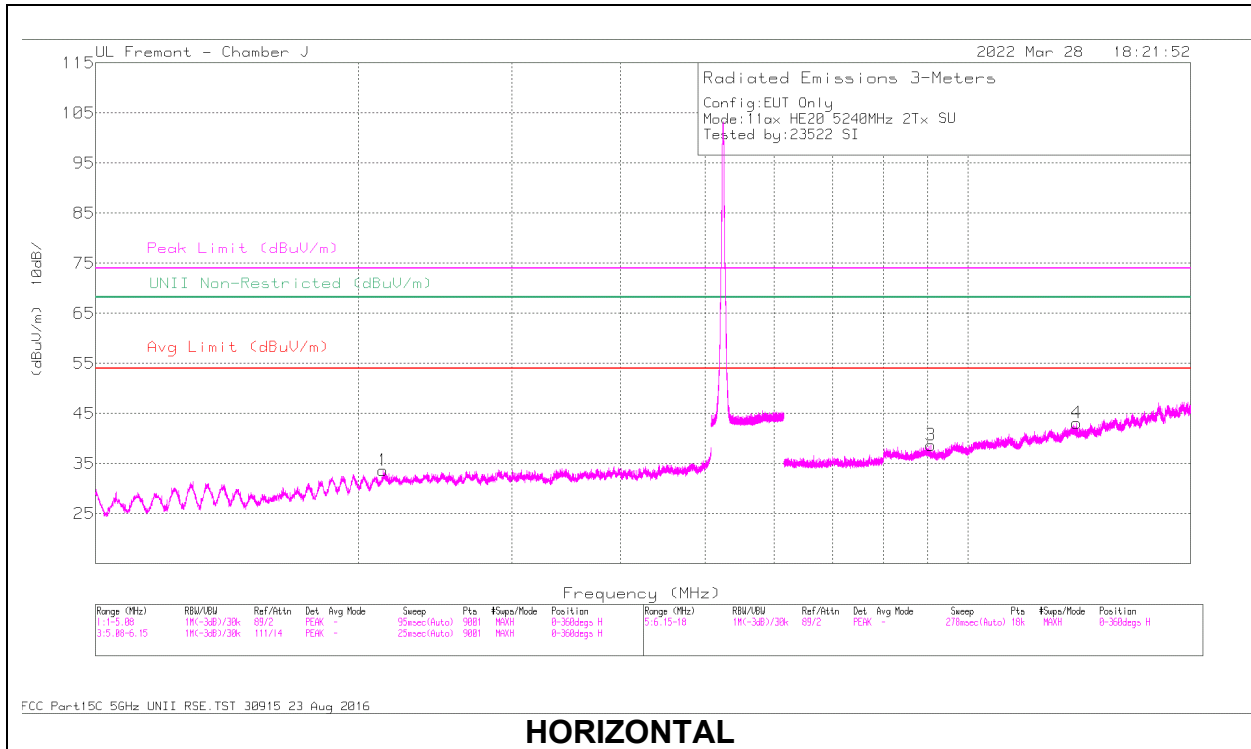


**RADIATED EMISSIONS**

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	3439.725	57.95	PK-U	32.6	-46.4	0	44.15	-	-	-	-	68.2	-24.05	64	105	H
2	* 4247.651	58.04	PK-U	33.4	-47.3	0	44.14	-	-	74	-29.86	-	-	99	148	H
	* 4248.071	46.07	ADR	33.4	-47.3	0.1	32.27	54	-21.73	-	-	-	-	99	148	H
3	16570.161	56.05	PK-U	41.3	-41.8	0	55.55	-	-	-	-	68.2	-12.65	193	298	H
4	* 3754.433	57.02	PK-U	33.6	-46.8	0	43.82	-	-	74	-30.18	-	-	312	198	V
	* 3756.607	45.31	ADR	33.6	-46.8	0.1	32.21	54	-21.79	-	-	-	-	312	198	V
5	* 7710.514	55.43	PK-U	35.8	-45.7	0	45.53	-	-	74	-28.47	-	-	122	132	V
	* 7710.93	43.95	ADR	35.8	-45.7	0.1	34.15	54	-19.85	-	-	-	-	122	132	V
6	16611.76	56.69	PK-U	41.4	-42	0	56.09	-	-	-	-	68.2	-12.11	324	266	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 RESULTS**



**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 20680 6 (dB/m)	Amp/ Cbl/Fit r/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	2138.591	60.78	PK-U	31.6	-49.3	0	43.08	-	-	-	-	68.2	-25.12	120	364	H
2	* 2220.999	59.86	PK-U	31.6	-49.1	0	42.36	-	-	74	-31.64	-	-	173	326	V
	* 2217.518	48.24	ADR	31.7	-49	0.1	31.04	54	-22.96	-	-	-	-	173	326	V
3	* 9072.317	55.75	PK-U	36.3	-45	0	47.05	-	-	74	-26.95	-	-	234	155	H
	* 9072.882	44.36	ADR	36.3	-45	0.1	35.76	54	-18.24	-	-	-	-	234	155	H
4	* 13314.913	56.31	PK-U	39.2	-44	0	51.51	-	-	74	-22.49	-	-	38	180	H
	* 13313.931	44.42	ADR	39.2	-44	0.1	39.72	54	-14.28	-	-	-	-	38	180	H
5	8003.177	56.95	PK-U	35.8	-45.4	0	47.35	-	-	-	-	68.2	-20.85	315	295	V
6	* 11927.637	54.66	PK-U	38.7	-43.4	0	49.96	-	-	74	-24.04	-	-	187	366	V
	* 11926.068	43.35	ADR	38.7	-43.4	0.1	38.75	54	-15.25	-	-	-	-	187	366	V

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

PK-U - U-NII: Maximum Peak

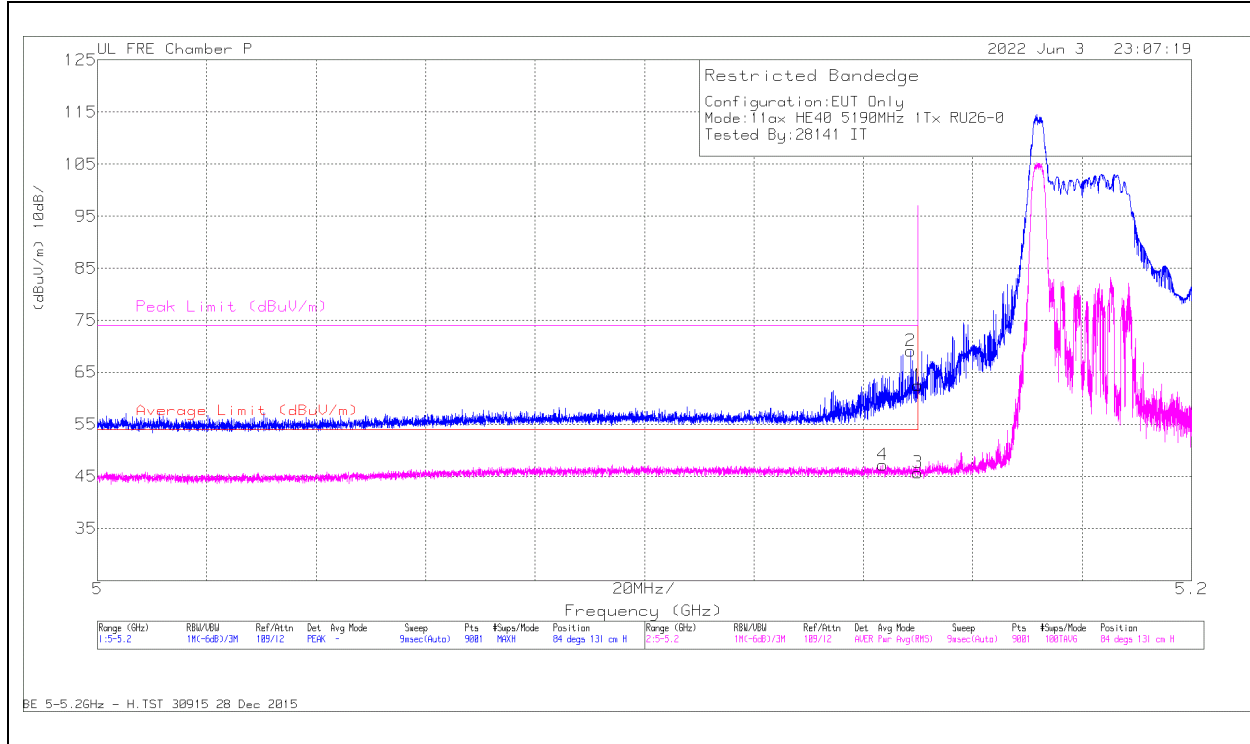
ADR - U-NII AD primary method, RMS average

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

#### 1TX Antenna 6 MODE: 26-Tones, RU Index 0

#### BANDEDGE (LOW CHANNEL)

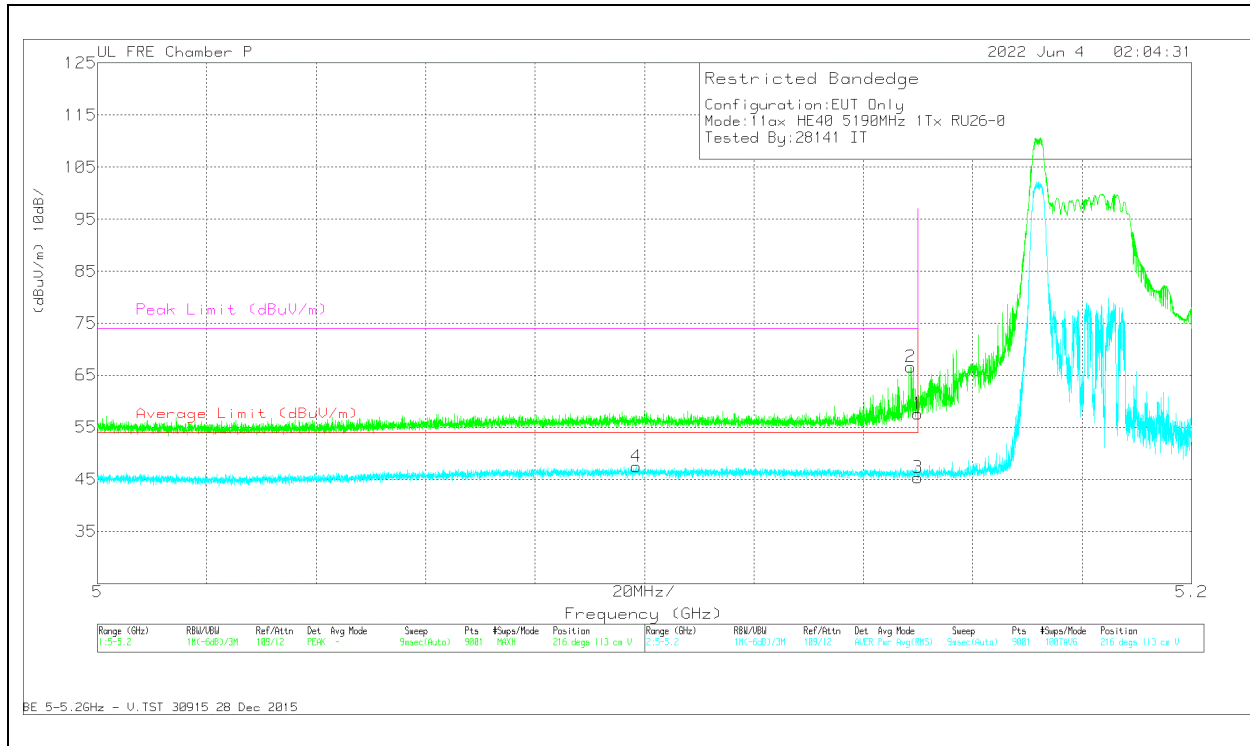
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Fitr (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	5.15	39.51	Pk	34.4	-11.4	0	62.51	-	-	74	-11.49	84	131	H
2	5.14871	46.12	Pk	34.4	-11.4	0	69.12	-	-	74	-4.88	84	131	H
3	5.15	22.28	RMS	34.4	-11.4	.46	45.74	54	-8.26	-	-	84	131	H
4	5.143532	23.77	RMS	34.4	-11.4	.46	47.23	54	-6.77	-	-	84	131	H

Pk - Peak detector  
RMS - RMS detection

**VERTICAL RESULT**



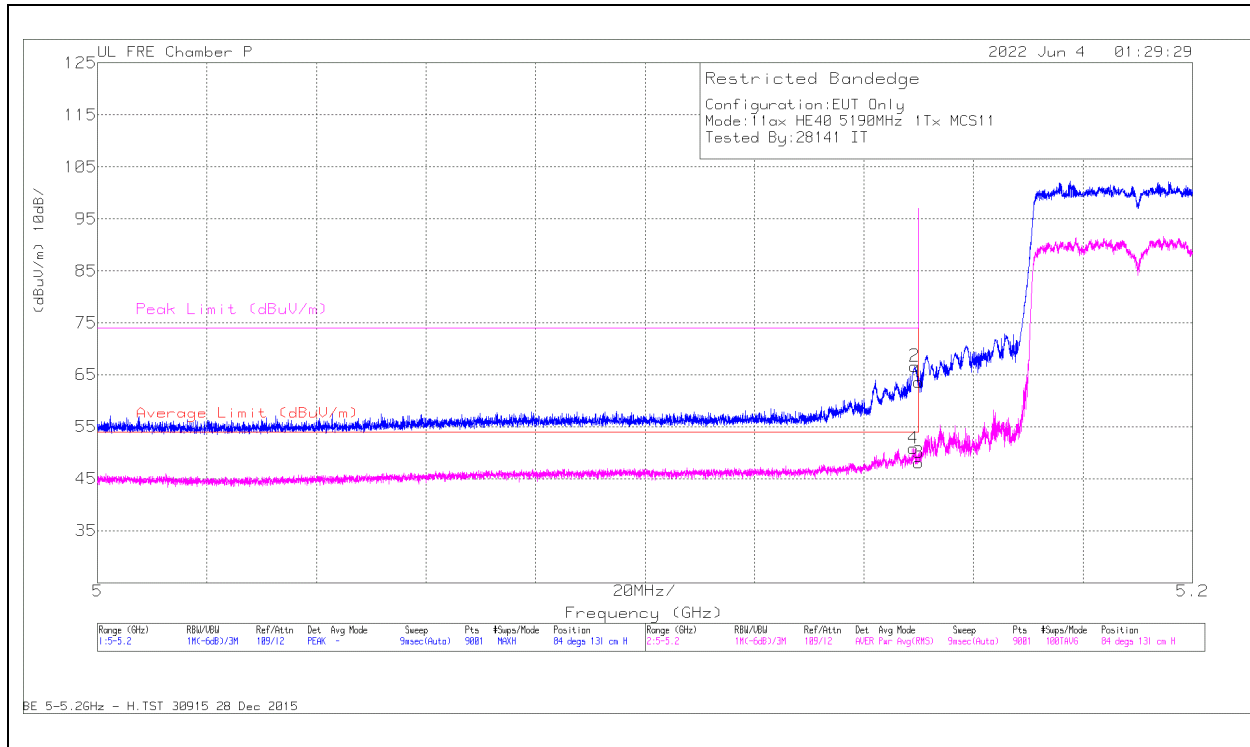
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	34.57	Pk	34.4	-11.4	0	57.57	-	-	74	-16.43	216	113	V
2	5.14871	43.61	Pk	34.4	-11.4	0	66.61	-	-	74	-7.39	216	113	V
3	5.15	21.88	RMS	34.4	-11.4	.46	45.34	54	-8.66	-	-	216	113	V
4	5.098466	24.31	RMS	34.3	-11.6	.46	47.47	54	-6.53	-	-	216	113	V

Pk - Peak detector  
 RMS - RMS detection

**1TX Antenna 6 MODE: SU, Single User**

**BANDEDGE (LOW CHANNEL)**

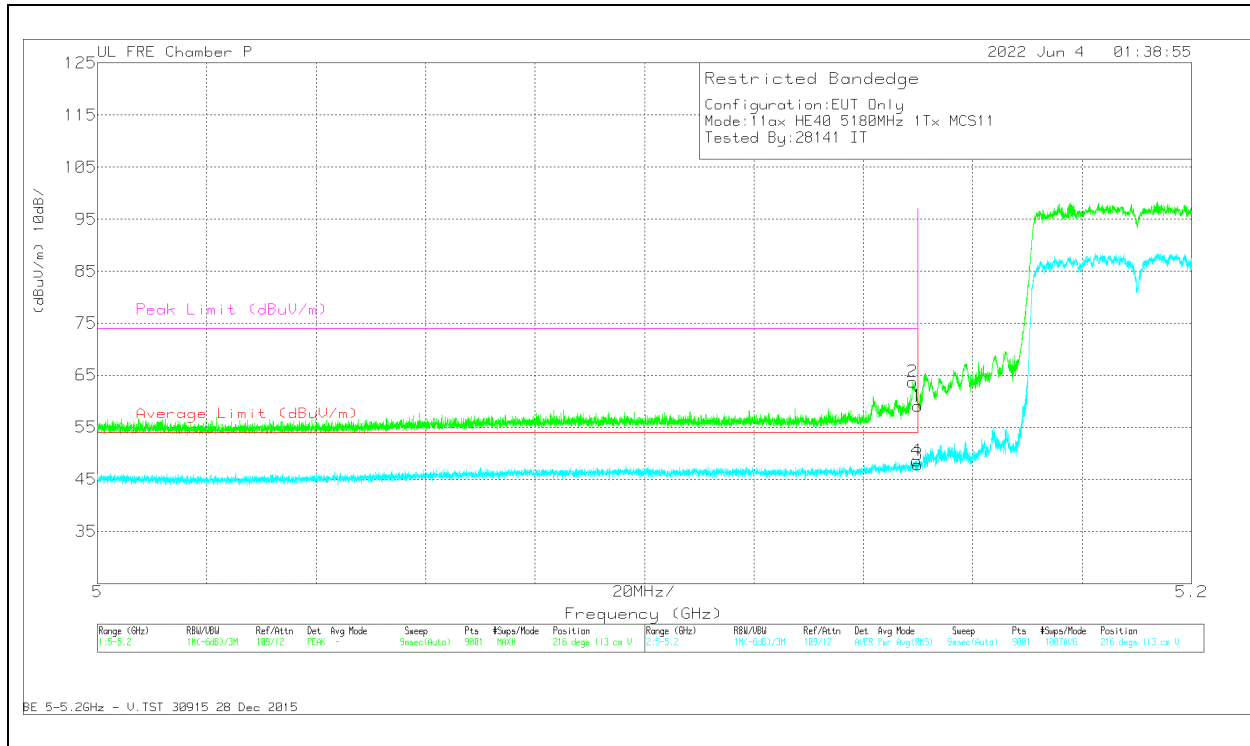
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Fitr (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	5.15	40.65	Pk	34.4	-11.4	0	63.65	-	-	74	-10.35	84	131	H
2	5.149265	43.67	Pk	34.4	-11.4	0	66.67	-	-	74	-7.33	84	131	H
3	5.15	24.35	RMS	34.4	-11.4	.8	48.15	54	-5.85	-	-	84	131	H
4	5.148999	27.01	RMS	34.4	-11.4	.8	50.81	54	-3.19	-	-	84	131	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**



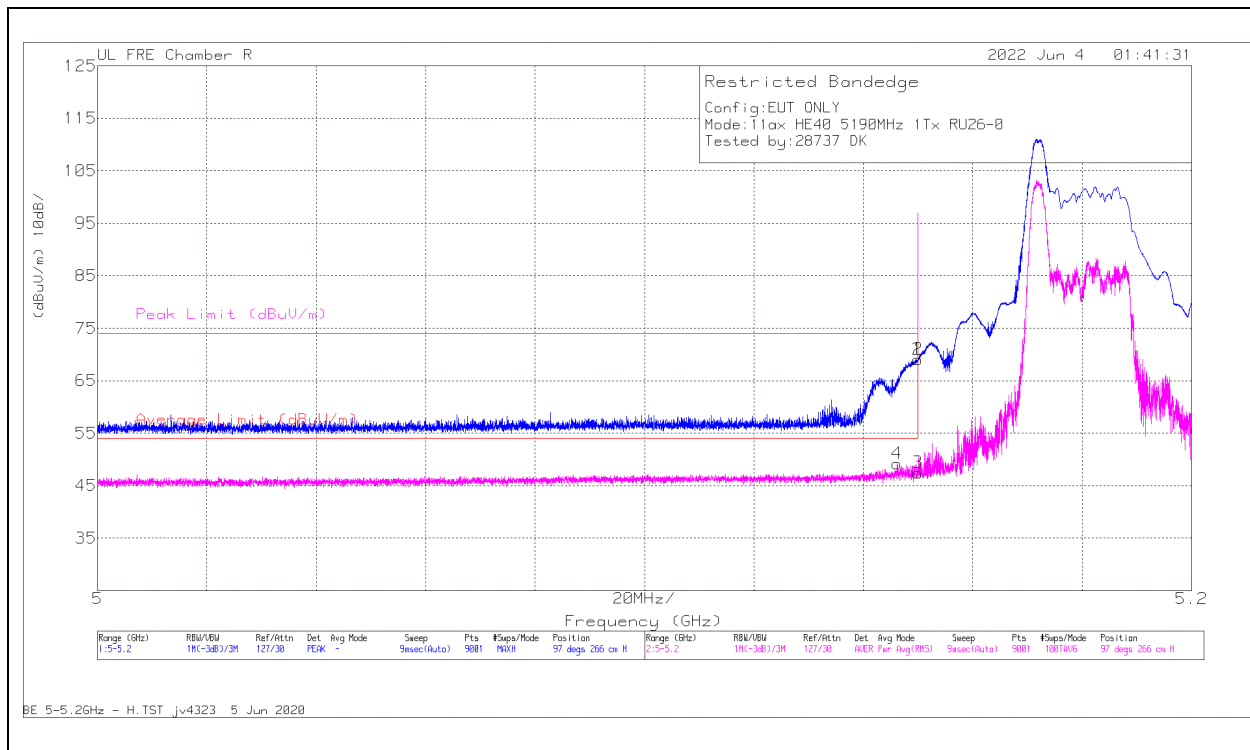
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Fitr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	36.07	Pk	34.4	-11.4	0	59.07	-	-	74	-14.93	216	113	V
2	5.148999	40.68	Pk	34.4	-11.4	0	63.68	-	-	74	-10.32	216	113	V
3	5.15	24.03	RMS	34.4	-11.4	.8	47.83	54	-6.17	-	-	216	113	V
4	5.149776	24.83	RMS	34.4	-11.4	.8	48.63	54	-5.37	-	-	216	113	V

Pk - Peak detector  
RMS - RMS detection

**1TX Antenna 5 MODE: 26-Tones, RU Index 0**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/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	* 5.15	67.3	Pk	34.2	-32.5	0	69	-	-	74	-5	97	266	H
2	* 5.149932	67.35	Pk	34.2	-32.5	0	69.05	-	-	74	-4.95	97	266	H
3	* 5.15	45.27	RMS	34.2	-32.5	.46	47.43	54	-6.57	-	-	97	266	H
4	* 5.146132	46.98	RMS	34.2	-32.5	.46	49.14	54	-4.86	-	-	97	266	H

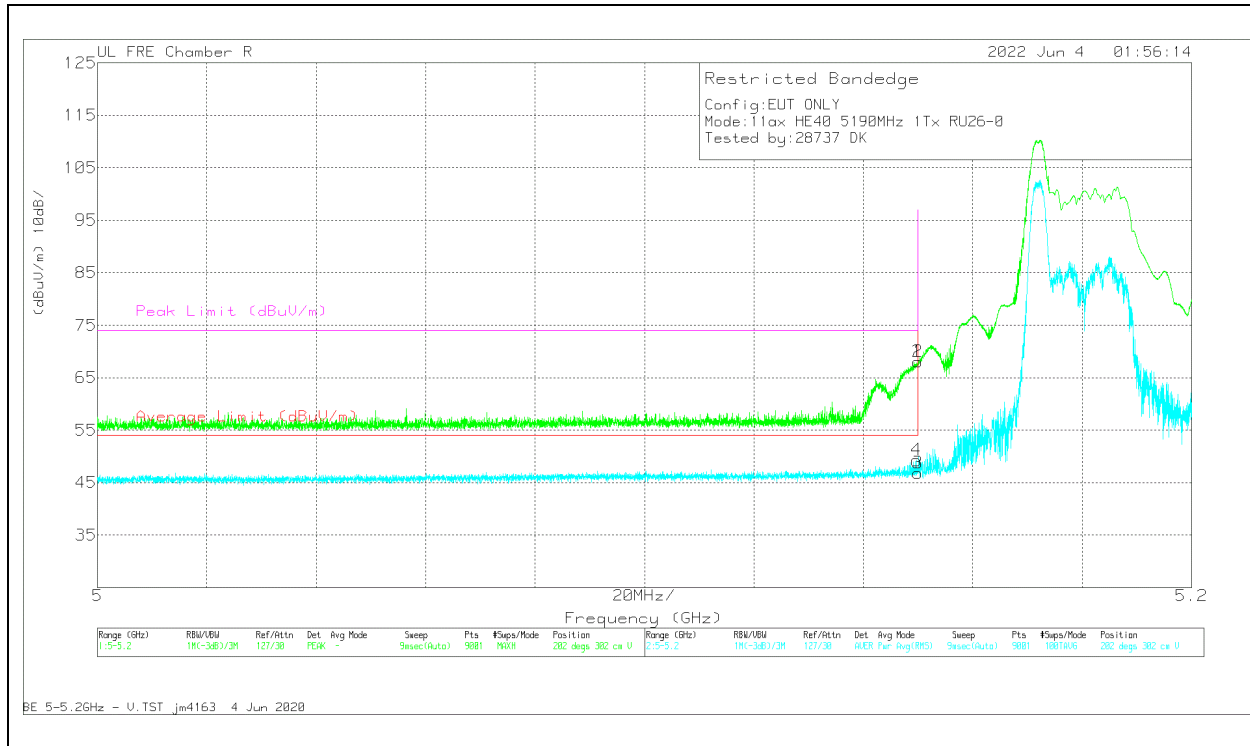
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL RESULT**



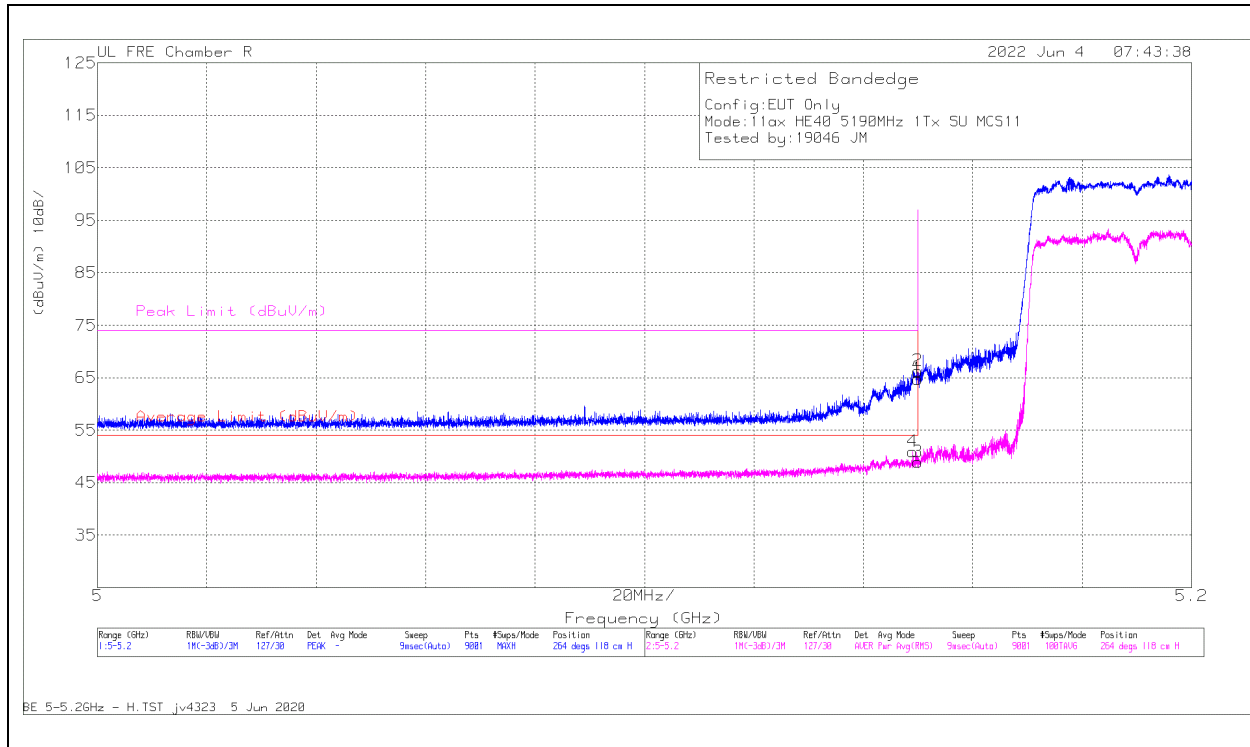
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	66.33	PK	34.2	-32.5	0	68.03	-	-	74	-5.97	202	302	V
2	* 5.149999	66.35	PK	34.2	-32.5	0	68.05	-	-	74	-5.95	202	302	V
3	* 5.15	44.62	RMS	34.2	-32.5	.46	46.78	54	-7.22	-	-	202	302	V
4	* 5.14971	47.09	RMS	34.2	-32.5	.46	49.25	54	-4.75	-	-	202	302	V

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

**1TX Antenna 5 MODE: SU, Single User**

**BANDEDGE (LOW CHANNEL)**

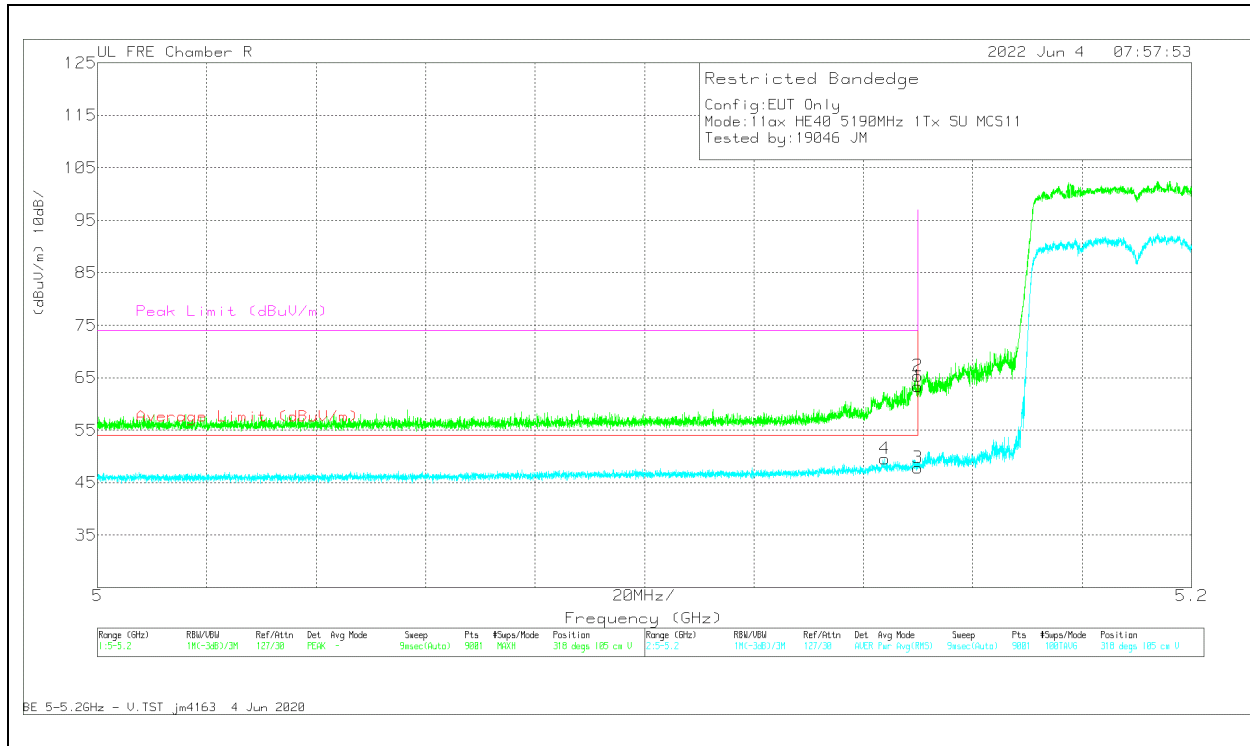
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/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	* 5.15	63.06	Pk	34.2	-32.5	0	64.76	-	-	74	-9.24	264	118	H
2	* 5.14991	64.55	Pk	34.2	-32.5	0	66.25	-	-	74	-7.75	264	118	H
3	* 5.15	46.48	RMS	34.2	-32.5	.8	48.98	54	-5.02	-	-	264	118	H
4	* 5.149043	48.46	RMS	34.2	-32.5	.8	50.96	54	-3.04	-	-	264	118	H

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

**VERTICAL RESULT**



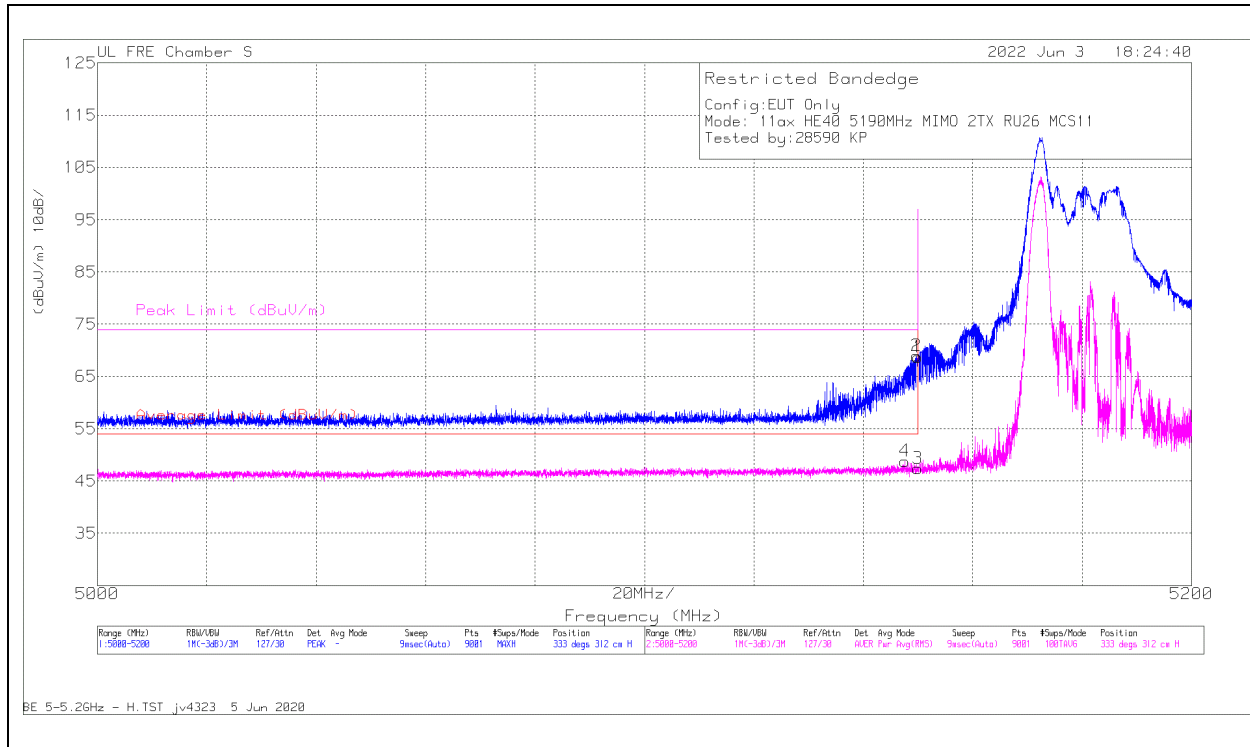
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	61.61	Pk	34.2	-32.5	0	63.31	-	-	74	-10.69	318	105	V
2	* 5.149976	63.62	Pk	34.2	-32.5	0	65.32	-	-	74	-8.68	318	105	V
3	* 5.15	45.28	RMS	34.2	-32.5	.8	47.78	54	-6.22	-	-	318	105	V
4	* 5.143887	47.09	RMS	34.2	-32.5	.8	49.59	54	-4.41	-	-	318	105	V

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

**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tones, RU Index 0**

**BANDEDGE (LOW CHANNEL)**

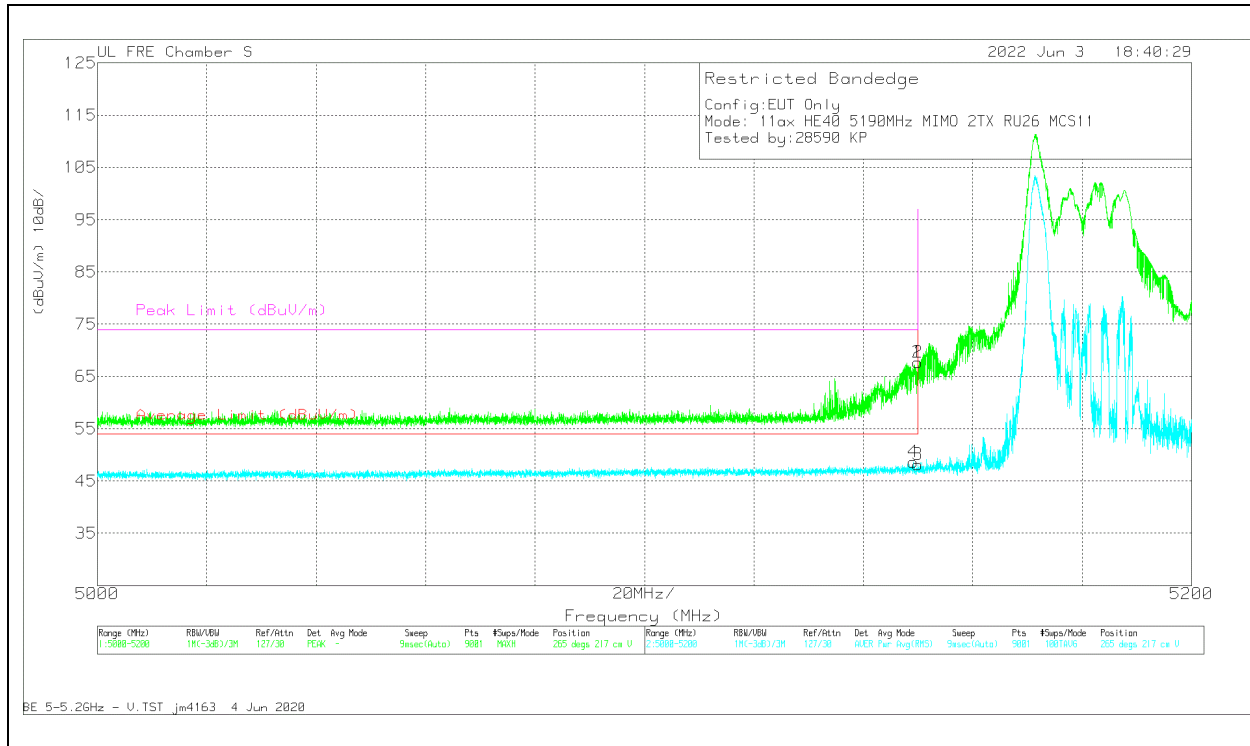
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/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	65.75	Pk	34.5	-31.6	0	68.65	-	-	74	-5.35	333	312	H
2	5149.687	66.08	Pk	34.5	-31.6	0	68.98	-	-	74	-5.02	333	312	H
3	5150	43.97	RMS	34.5	-31.6	.46	47.33	54	-6.67	-	-	333	312	H
4	5147.621	45.46	RMS	34.5	-31.6	.46	48.82	54	-5.18	-	-	333	312	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**

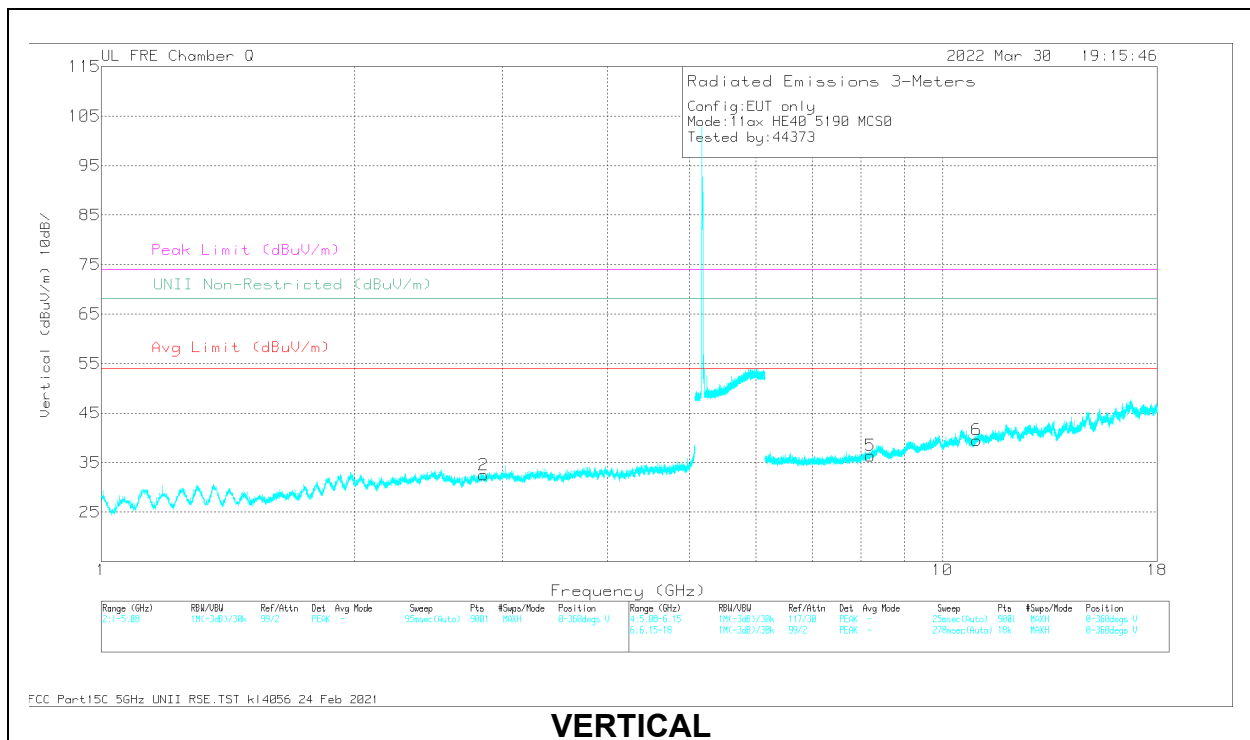
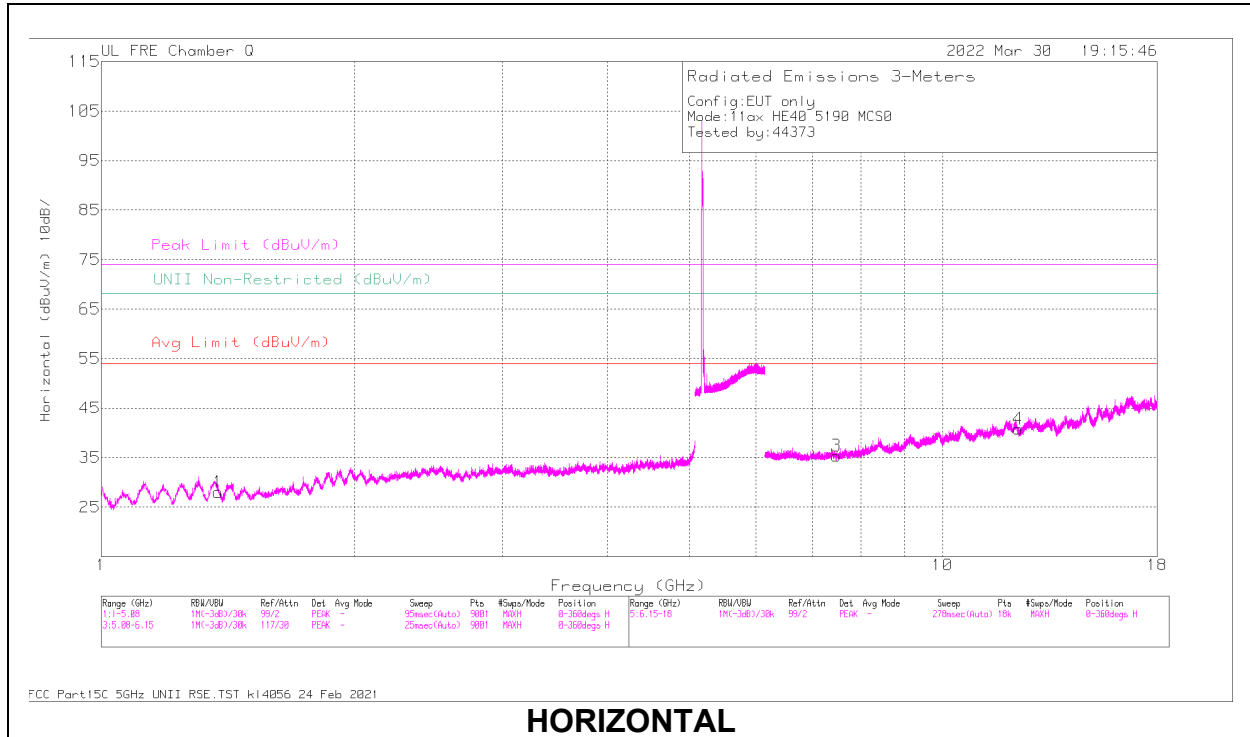


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5150	64.76	Pk	34.5	-31.6	0	67.66	-	-	74	-6.34	265	217	V
2	5149.999	64.78	Pk	34.5	-31.6	0	67.68	-	-	74	-6.32	265	217	V
3	5150	44.74	RMS	34.5	-31.6	.46	48.1	54	-5.9	-	-	265	217	V
4	5149.154	45.28	RMS	34.5	-31.6	.46	48.64	54	-5.36	-	-	265	217	V

Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS

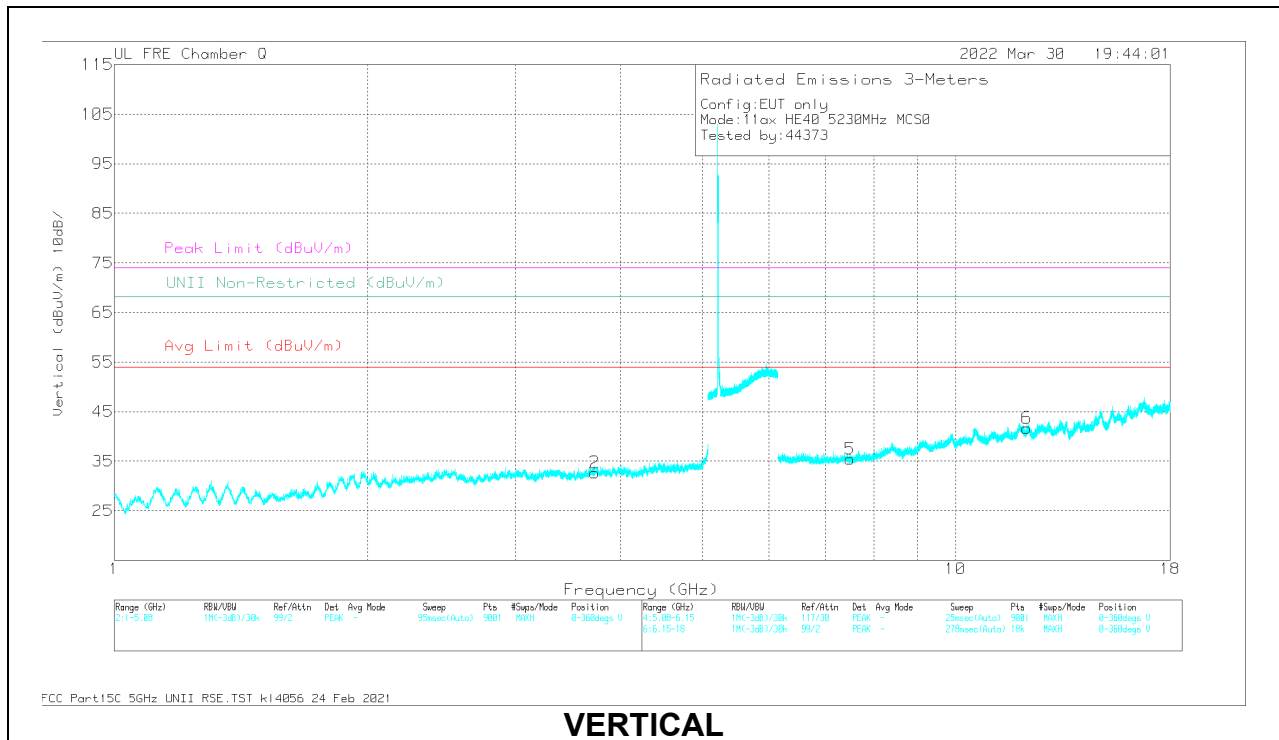
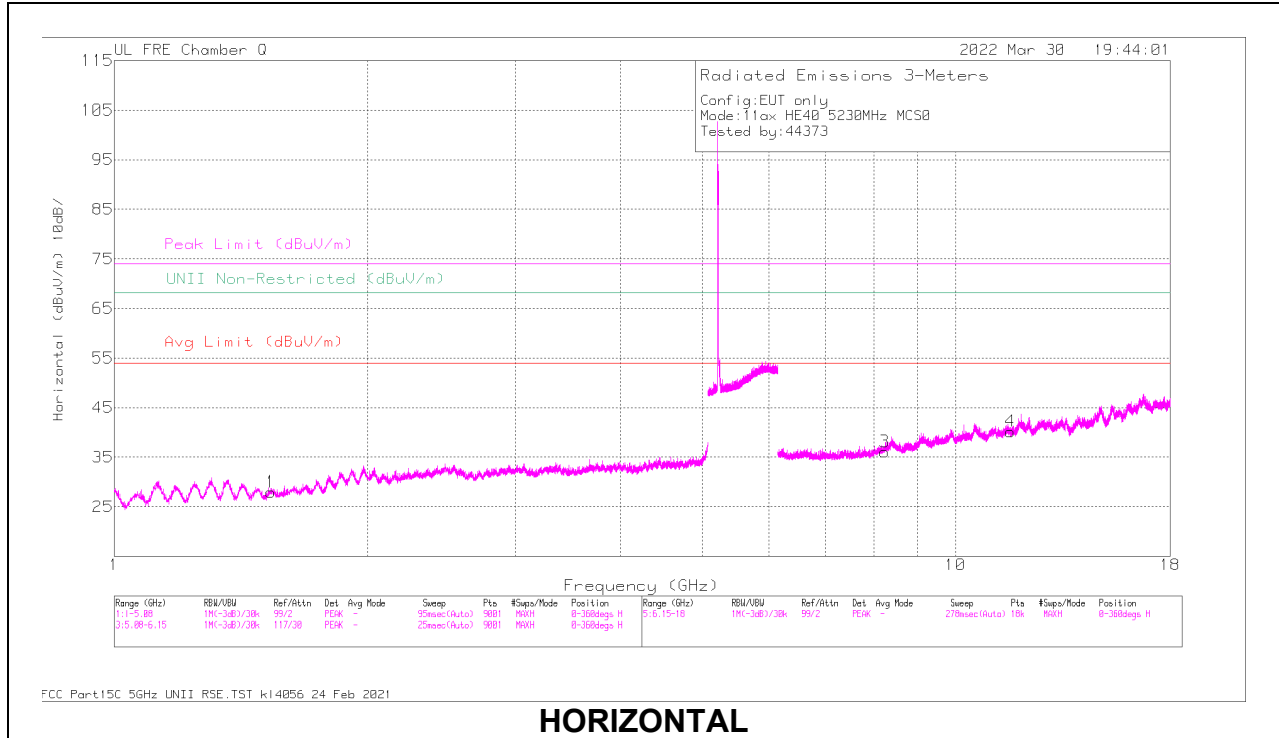


**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/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	* 1.375699	55.97	PK-U	28.7	-44.9	39.77	-	-	74	-34.23	95	242	H
	* 1.376579	43.68	ADR	28.7	-44.9	27.48	54	-26.52	-	-	95	242	H
2	* 2.847888	54.02	PK-U	32.2	-43.6	42.62	-	-	74	-31.38	10	180	V
	* 2.846001	42.31	ADR	32.2	-43.6	30.91	54	-23.09	-	-	10	180	V
3	* 7.478255	47.45	PK-U	35.8	-37.6	45.65	-	-	74	-28.35	359	103	H
	* 7.479283	36.29	ADR	35.8	-37.6	34.49	54	-19.51	-	-	359	103	H
4	* 12.301676	47.28	PK-U	39.1	-35.4	50.98	-	-	74	-23.02	360	246	H
	* 12.30184	35.76	ADR	39.1	-35.4	39.46	54	-14.54	-	-	360	246	H
5	* 8.206506	47.52	PK-U	35.9	-36.5	46.92	-	-	74	-27.08	84	115	V
	* 8.209666	36.1	ADR	35.9	-36.5	35.5	54	-18.5	-	-	84	115	V
6	* 10.981488	45.62	PK-U	37.9	-33.4	50.12	-	-	74	-23.88	203	238	V
	* 10.979027	33.81	ADR	37.9	-33.4	38.31	54	-15.69	-	-	203	238	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 RESULTS**





**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/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	* 1.534243	55.77	PK-U	27.7	-44.8	38.67	-	-	74	-35.33	268	245	H
	* 1.535252	44.22	ADR	27.7	-44.7	27.22	54	-26.78	-	-	268	245	H
2	* 3.724094	50.99	PK-U	33.3	-40.9	43.39	-	-	74	-30.61	21	129	V
	* 3.723024	39.18	ADR	33.3	-40.9	31.58	54	-22.42	-	-	21	129	V
3	* 8.236505	47.57	PK-U	36	-36.4	47.17	-	-	74	-26.83	211	171	H
	* 8.238237	36.2	ADR	36	-36.4	35.8	54	-18.2	-	-	211	171	H
4	* 11.622797	45.96	PK-U	38.4	-33.9	50.46	-	-	74	-23.54	110	229	H
	* 11.621938	34.56	ADR	38.4	-33.9	39.06	54	-14.94	-	-	110	229	H
5	* 7.493323	48.34	PK-U	35.7	-37.7	46.34	-	-	74	-27.66	313	153	V
	* 7.49394	36.06	ADR	35.7	-37.7	34.06	54	-19.94	-	-	313	153	V
6	* 12.153195	46.91	PK-U	39	-34.7	51.21	-	-	74	-22.79	133	139	V
	* 12.153355	35.64	ADR	39	-34.7	39.94	54	-14.06	-	-	133	139	V

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

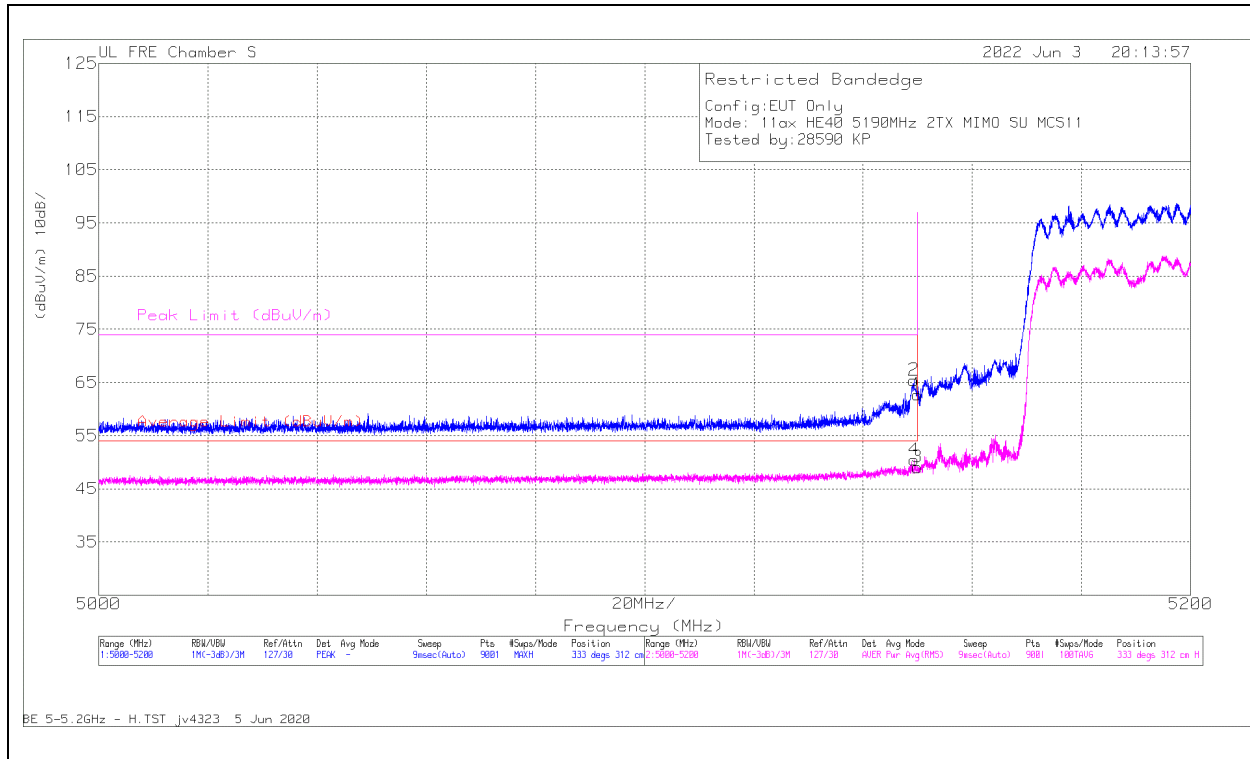
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**

**BANDEDGE (LOW CHANNEL)**

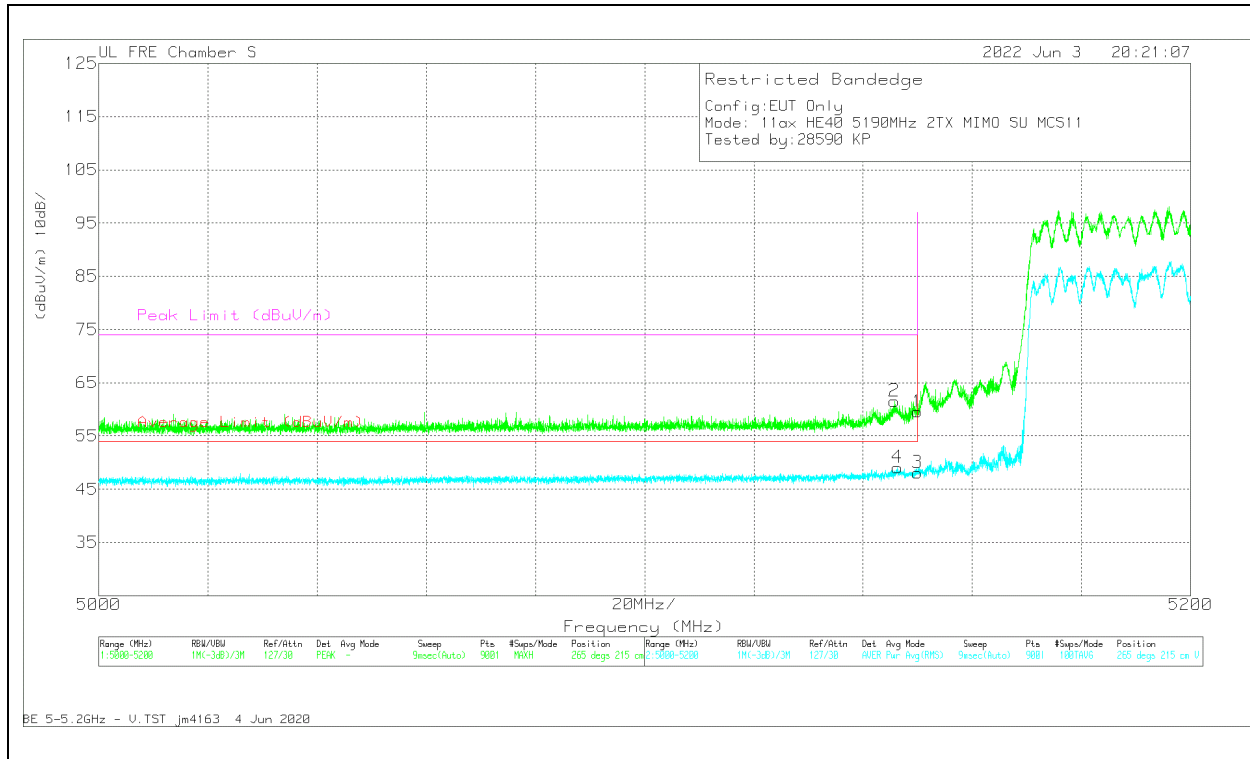
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/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	59.82	Pk	34.5	-31.6	0	62.72	-	-	74	-11.28	333	312	H
2	5149.31	62.51	Pk	34.5	-31.6	0	65.41	-	-	74	-8.59	333	312	H
3	5150	45.37	RMS	34.5	-31.6	.8	49.07	54	-4.93	-	-	333	312	H
4	5149.354	46.73	RMS	34.5	-31.6	.8	50.43	54	-3.57	-	-	333	312	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**

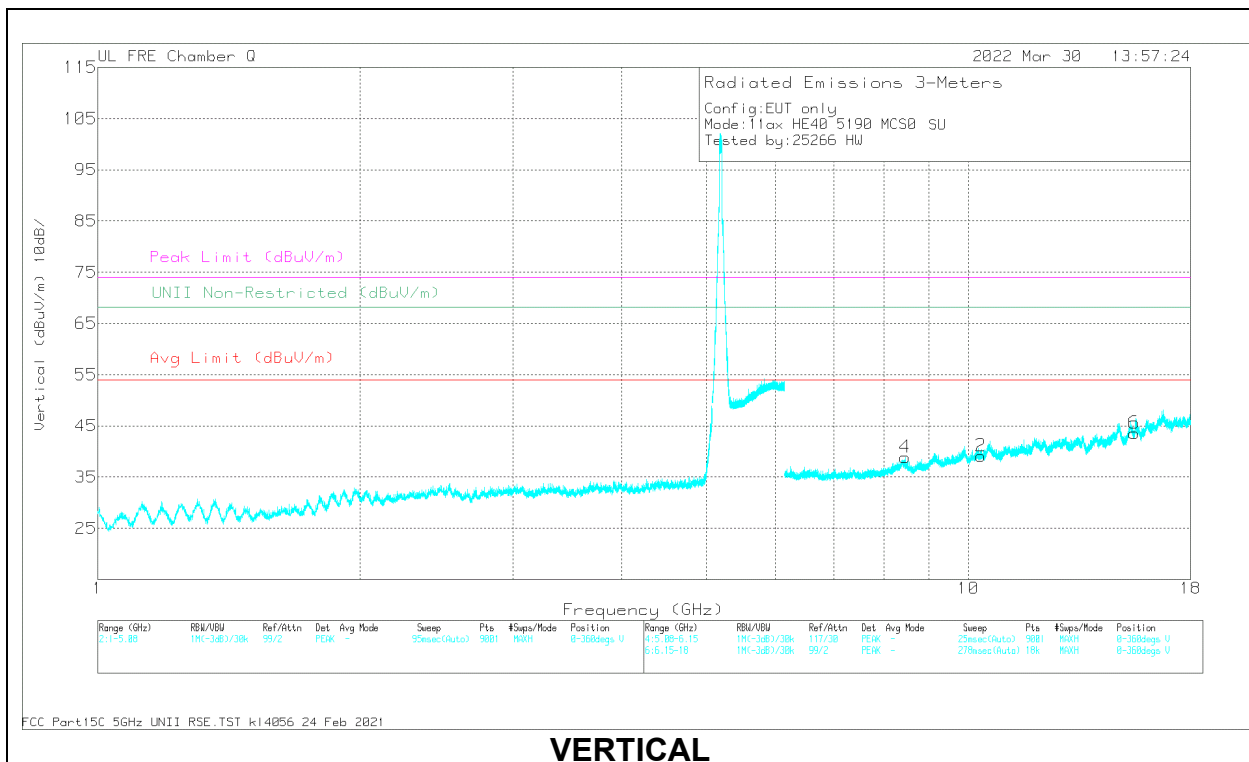
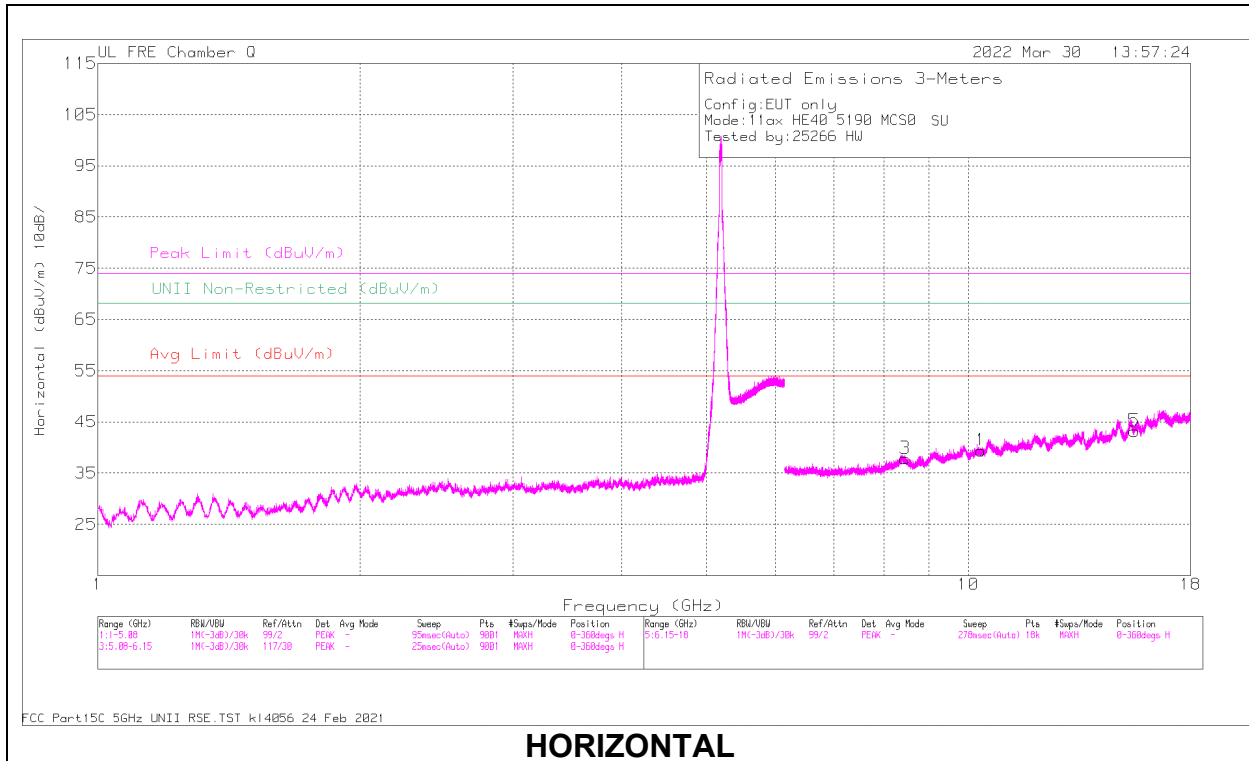


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5150	56.65	Pk	34.5	-31.6	0	59.55	-	-	74	-14.45	265	215	V
2	5145.732	58.67	Pk	34.5	-31.6	0	61.57	-	-	74	-12.43	265	215	V
3	5150	44.42	RMS	34.5	-31.6	.8	48.12	54	-5.88	-	-	265	215	V
4	5146.31	45.41	RMS	34.5	-31.6	.8	49.11	54	-4.89	-	-	265	215	V

Pk - Peak detector  
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**RADIATED EMISSIONS**

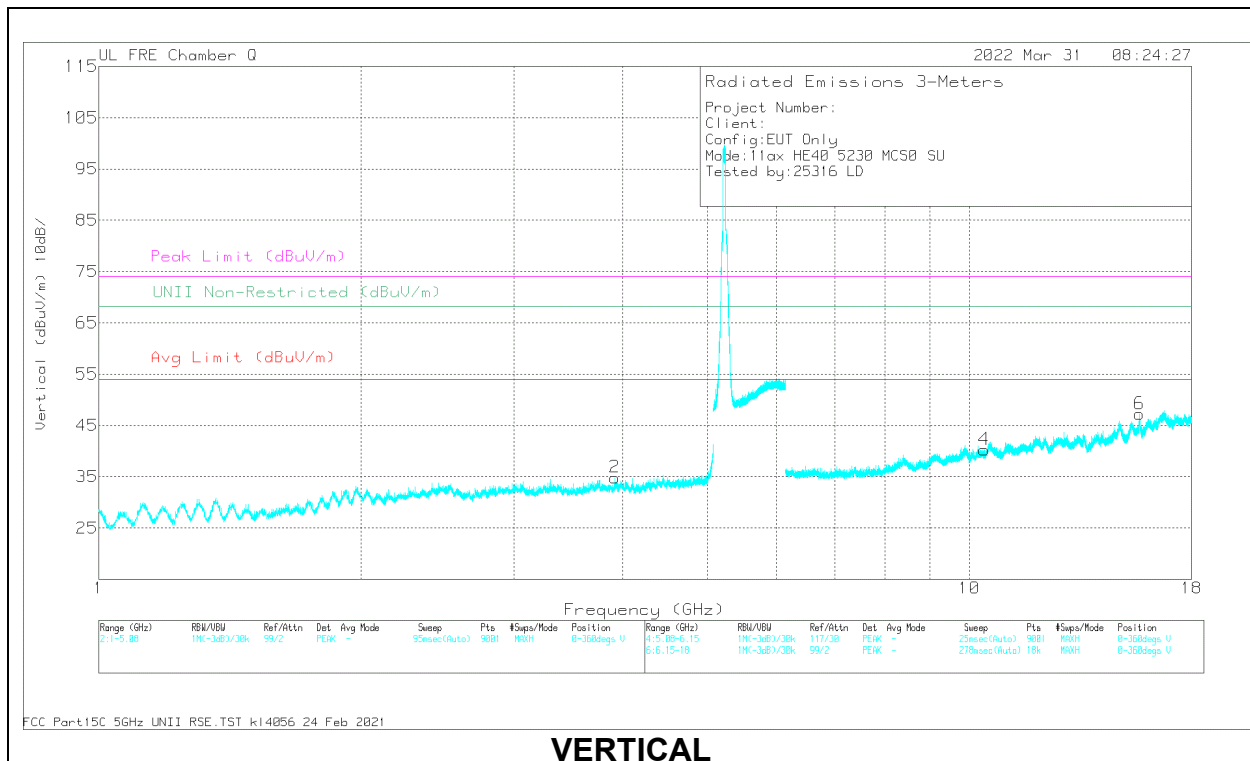
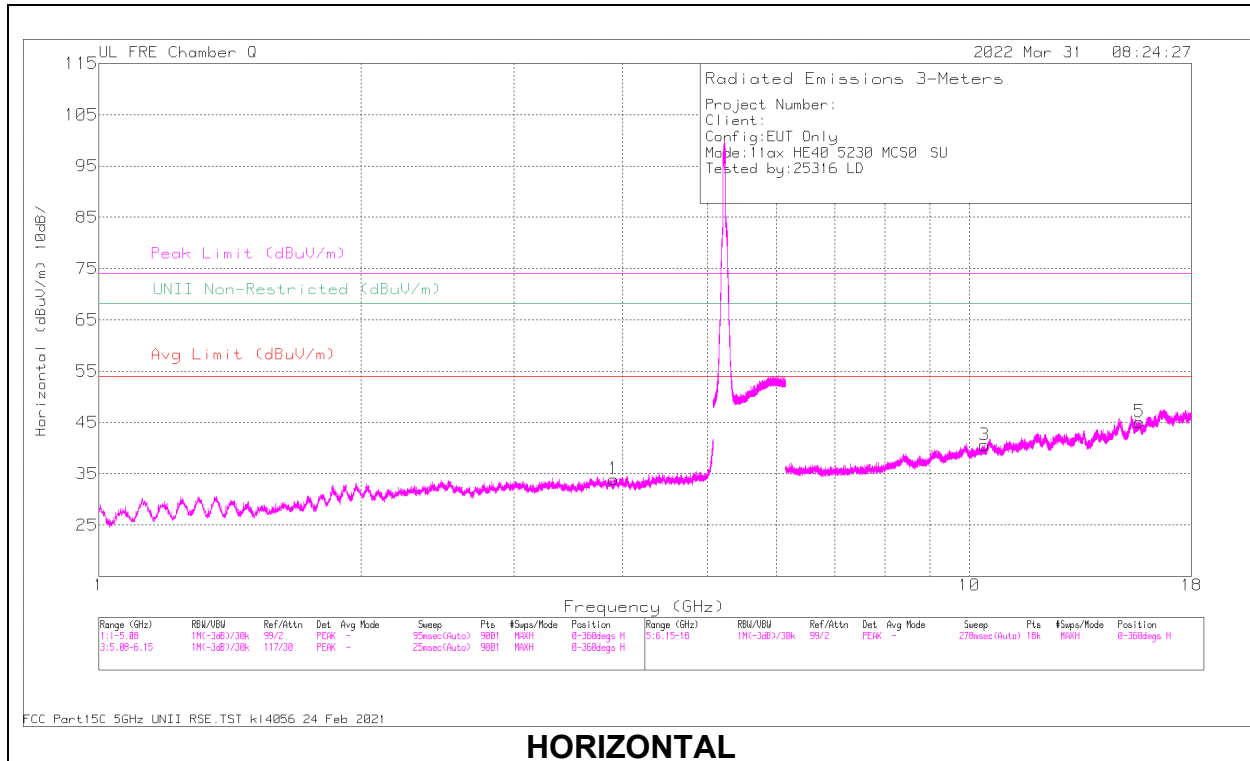
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.341387	47.37	Pk	37.5	-35.6	0	49.27	-	-	-	-	68.2	-18.93	325	239	H
2	10.340008	47.11	PK	37.5	-35.6	0	49.01	-	-	-	-	68.2	-19.19	106	107	V
3	8.461634	47	PK-U	36	-35.8	0	47.2	-	-	74	-26.8	-	-	18	136	H
	8.461634	34.65	ADR	36	-35.8	0.13	34.98	54	-19.02	74	-26.8	-	-	18	136	H
4	8.461262	47.11	PK-U	36	-35.8	0	47.31	-	-	74	-26.69	-	-	99	187	V
	8.461262	35.22	ADR	36	-35.8	0.13	35.55	54	-18.45	74	-26.69	-	-	99	187	V
5	15.509997	46.59	PK-U	40.1	-33.3	0	53.39	-	-	74	-20.61	-	-	229	215	H
	15.509997	34.75	ADR	40.1	-33.3	0.13	41.68	54	-12.32	74	-20.61	-	-	229	215	H
6	15.508855	46.44	PK-U	40.1	-33.3	0	53.24	-	-	74	-20.76	-	-	44	167	V
	15.508855	34.58	ADR	40.1	-33.3	0.13	41.51	54	-12.49	74	-20.76	-	-	44	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

**HIGH CHANNEL RESULTS**



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Fitr/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	3.904063	50.94	PK-U	33.4	-40.9	0	43.44	-	-	74	-30.56	-	-	294	253	H
	3.904671	39.02	ADR	33.4	-40.9	.13	31.65	54	-22.35	-	-	-	-	294	253	H
2	3.915156	50.86	PK-U	33.4	-40.9	0	43.36	-	-	74	-30.64	-	-	238	225	V
	3.913742	39.58	ADR	33.4	-40.9	.13	32.21	54	-21.79	-	-	-	-	238	225	V
4	10.400345	48.54	PK-U	37.5	-35.9	0	50.14	-	-	-	-	68.2	-18.06	41	231	V
3	10.411238	48.95	PK-U	37.5	-36	0	50.45	-	-	-	-	68.2	-17.75	168	162	H
	15.678349	47.08	PK-U	40.3	-32.5	0	54.88	-	-	74	-19.12	-	-	7	193	H
5	15.679359	34.82	ADR	40.3	-32.6	.13	42.65	54	-11.35	-	-	-	-	7	193	H
	15.678816	46.88	PK-U	40.3	-32.6	0	54.38	-	-	74	-19.62	-	-	266	143	V
6	15.679865	34.93	ADR	40.3	-32.6	.13	42.76	54	-11.24	-	-	-	-	266	143	V

PK-U - U-NII: Maximum Peak

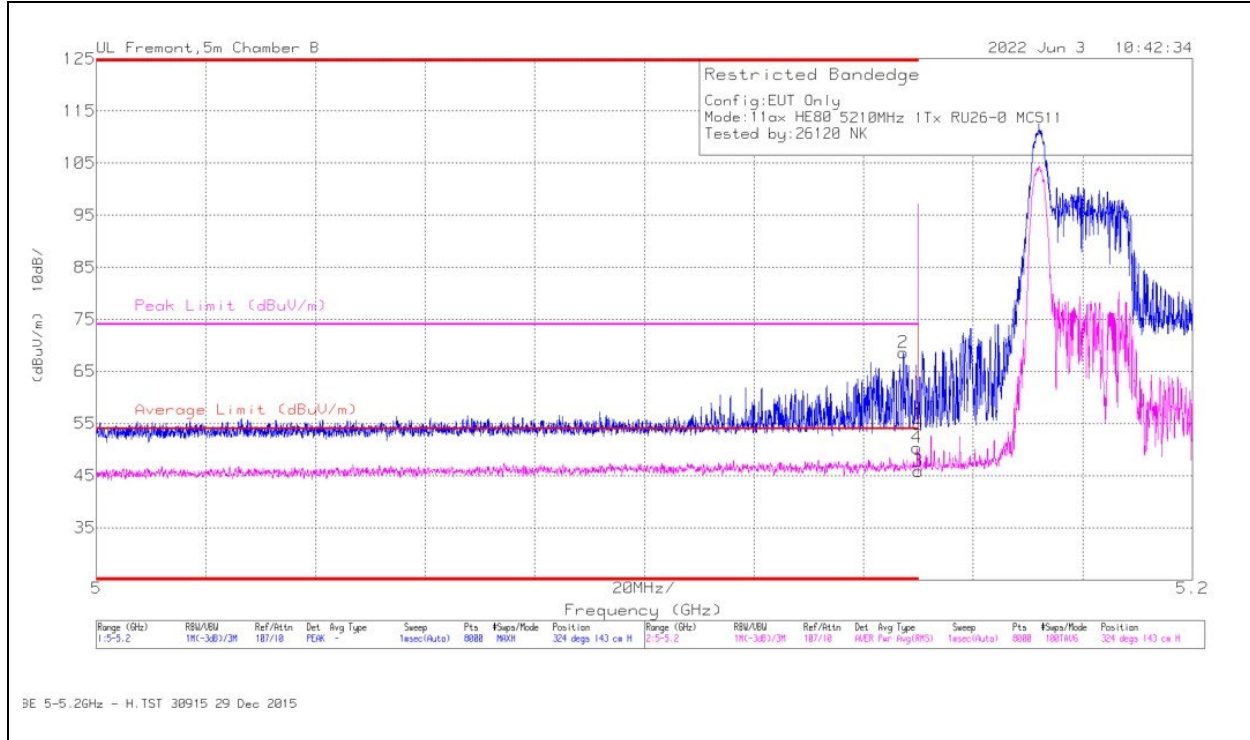
ADR - U-NII AD primary method, RMS average

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

#### 1TX Antenna 6 MODE: 26-Tones, RU Index 0

#### BANDEDGE (MID CHANNEL)

#### HORIZONTAL RESULT

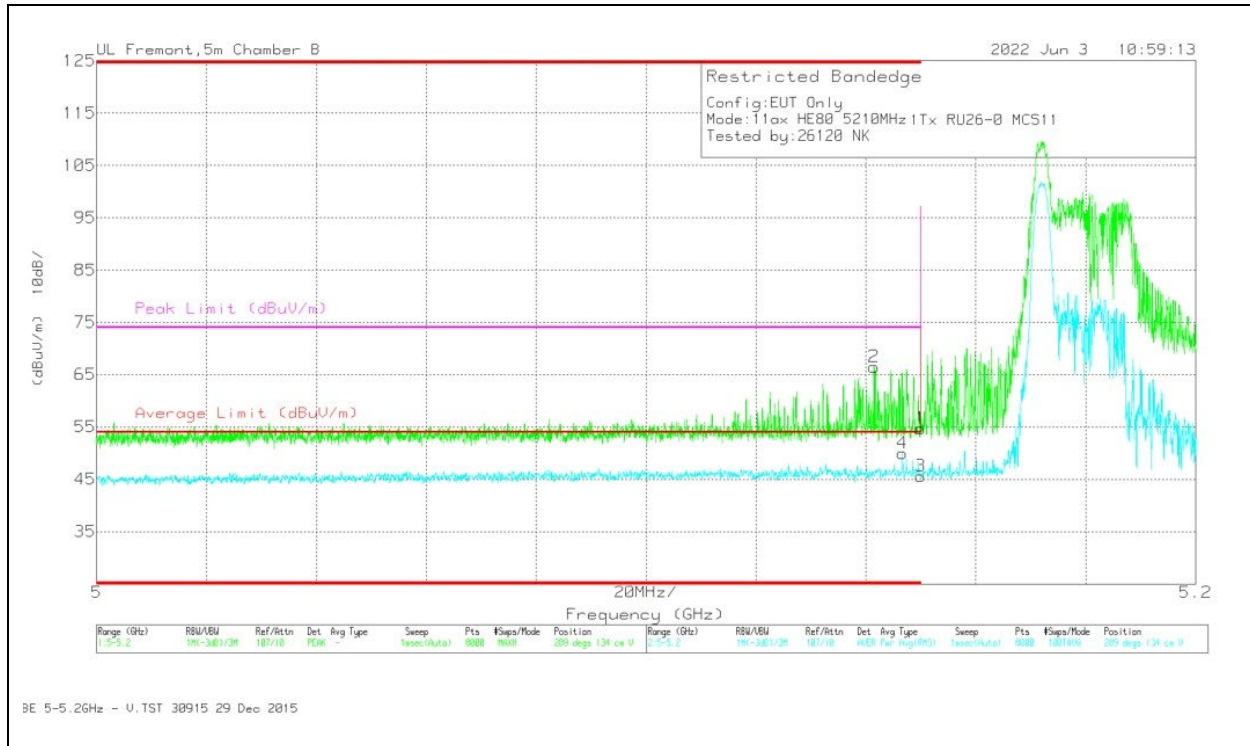


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.62	Pk	34.7	-20.5	0	54.82	-	-	74	-19.18	324	143	H
2	* 5.147268	54.45	Pk	34.7	-20.5	0	68.65	-	-	74	-5.35	324	143	H
3	* 5.15	31.15	RMS	34.7	-20.5	.46	45.81	54	-8.19	-	-	324	143	H
4	* 5.149743	35.7	RMS	34.7	-20.5	.46	50.36	54	-3.64	-	-	324	143	H

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



**VERTICAL RESULT**



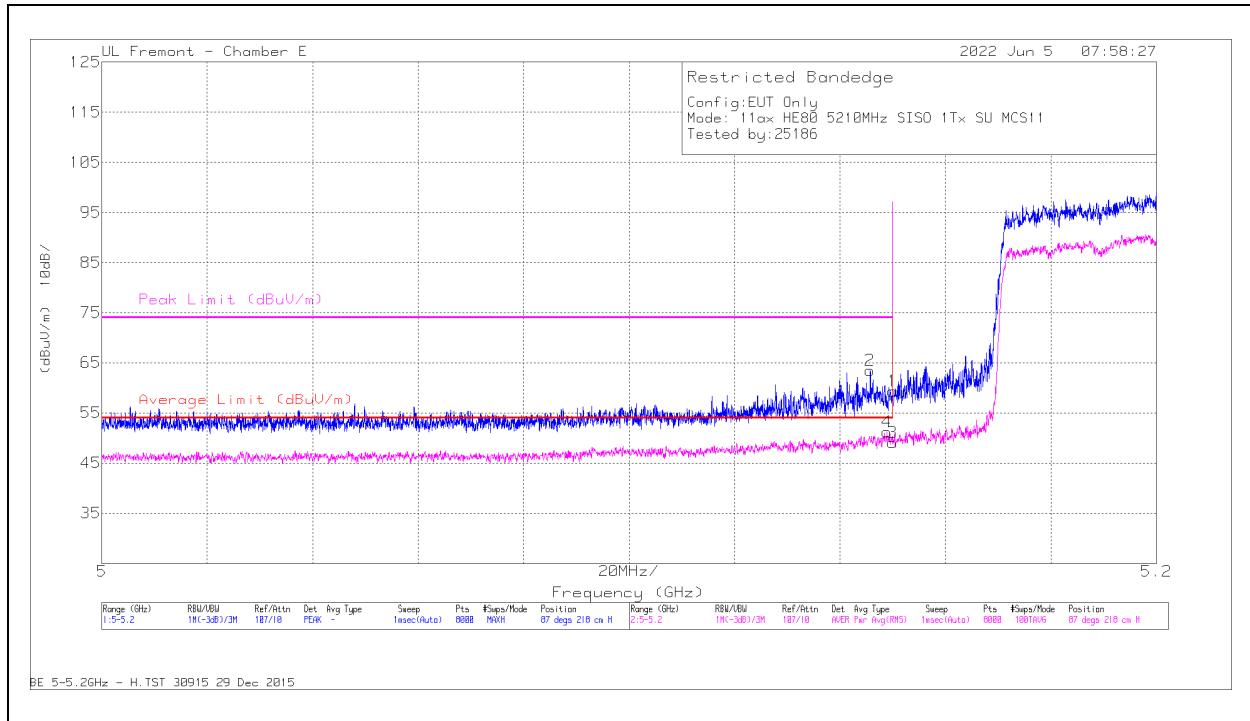
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF (dB)	Amp/Cbl/Fitr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.49	Pk	34.7	-20.5	0	54.69	-	-	74	-19.31	289	134	V
2	* 5.141467	52.3	Pk	34.7	-20.5	0	66.5	-	-	74	-7.5	289	134	V
3	* 5.15	31.44	RMS	34.7	-20.5	.46	45.64	54	-8.36	-	-	289	134	V
4	* 5.146668	35.75	RMS	34.7	-20.5	.46	49.95	54	-4.05	-	-	289	134	V

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

**1TX Antenna 6 MODE: SU, Single User**

**BANDEDGE (MID CHANNEL)**

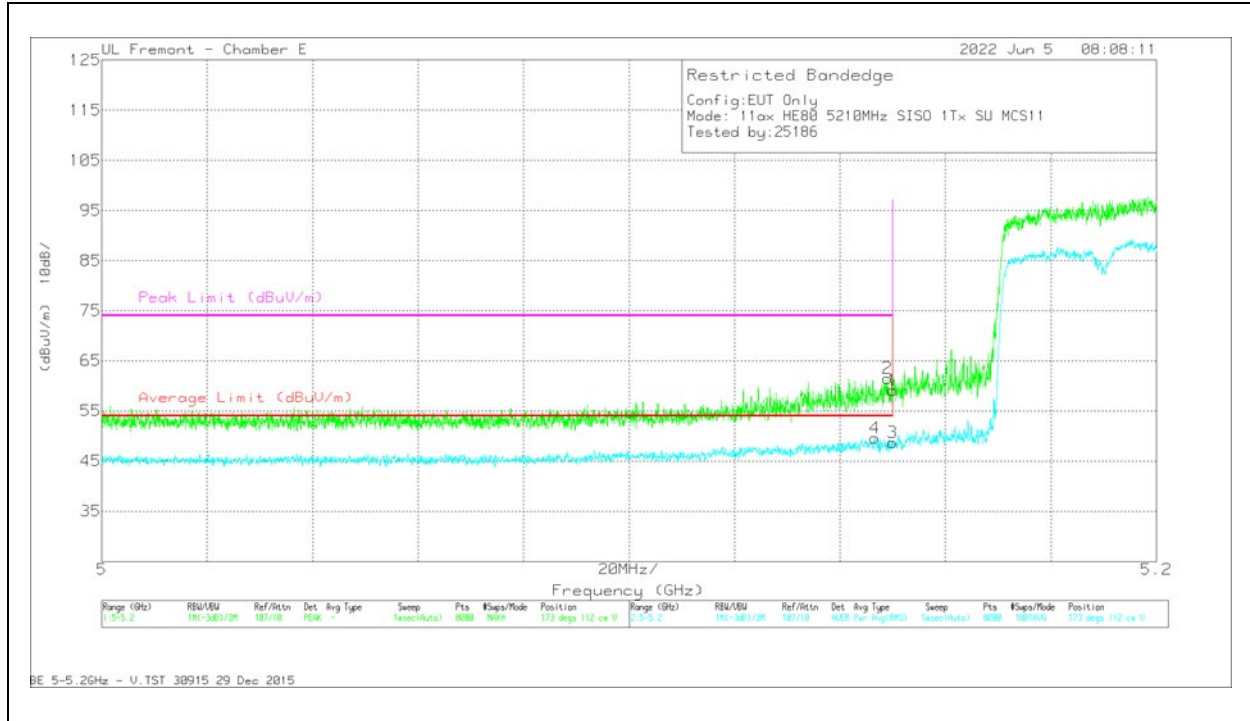
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.15	46.29	Pk	34.5	-21.4	0	59.39	-	-	74	-14.61	87	218	H
2	* 5.145742	50.36	Pk	34.5	-21.4	0	63.46	-	-	74	-10.54	87	218	H
3	* 5.15	35	RMS	34.5	-21.4	.98	49.08	54	-4.92	-	-	87	218	H
4	* 5.148893	37.15	RMS	34.5	-21.4	.98	51.23	54	-2.77	-	-	87	218	H

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

**VERTICAL RESULT**



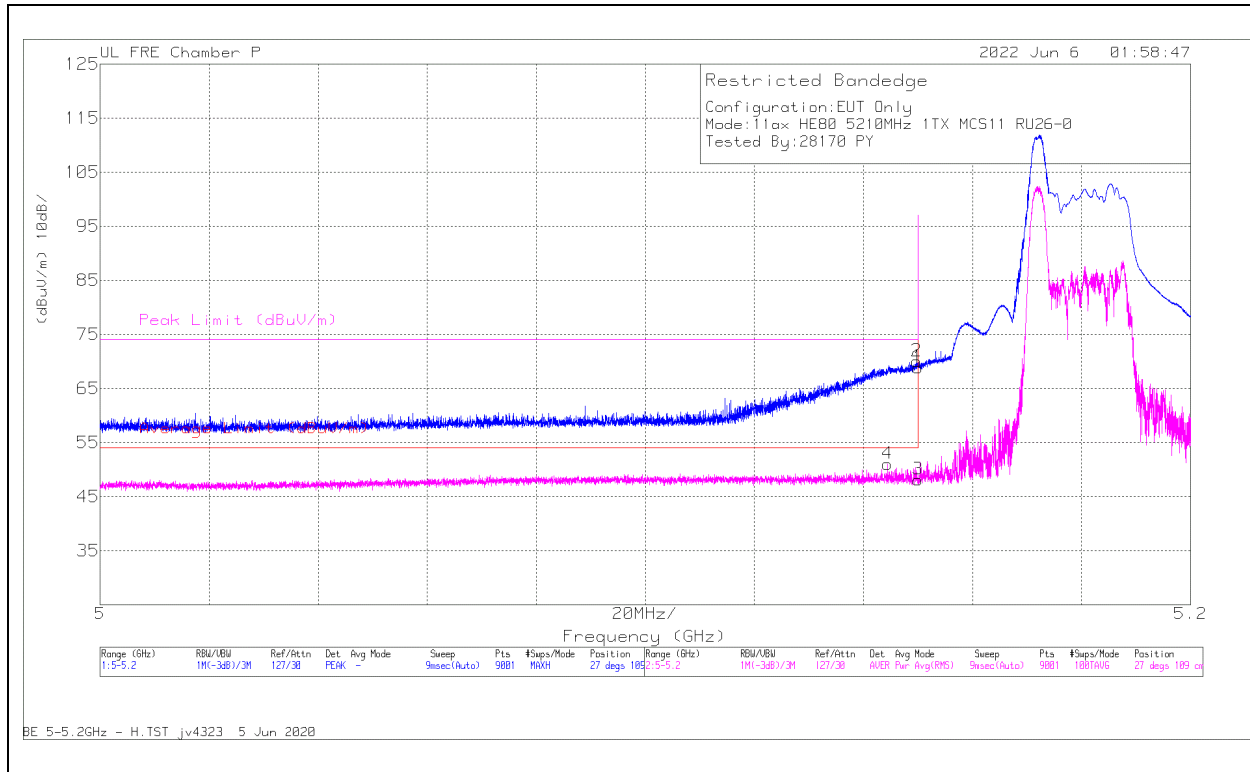
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.97	Pk	34.5	-21.4	0	59.07	-	-	74	-14.93	173	112	V
2	* 5.149043	48.44	PK	34.5	-21.4	0	61.54	-	-	74	-12.46	173	112	V
3	* 5.15	35.58	RMS	34.5	-21.4	.98	48.68	54	-5.32	-	-	173	112	V
4	* 5.146668	36.53	RMS	34.5	-21.4	.98	49.63	54	-4.37	-	-	173	112	V

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

**1TX Antenna 5 MODE: 26-Tones, RU Index 0**

**BANDEDGE (MID CHANNEL)**

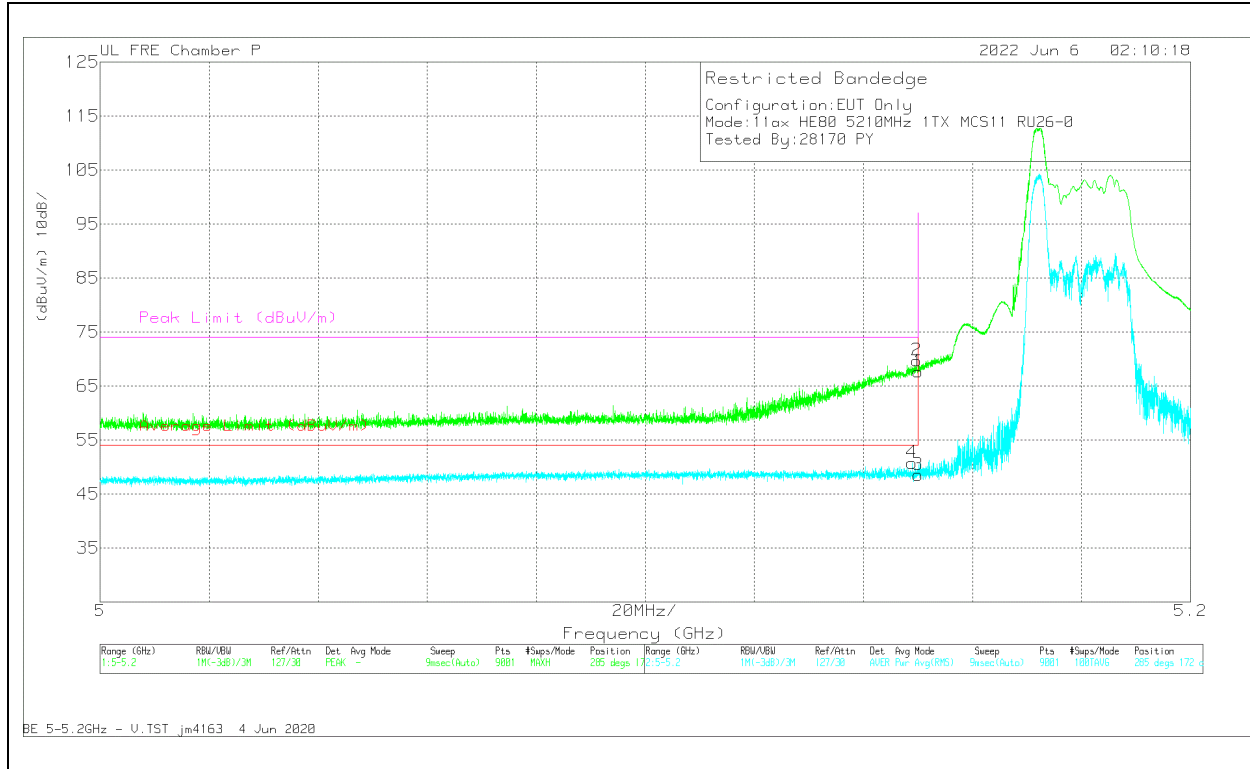
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Fitr/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	5.15	64.54	Pk	34.4	-30.1	0	68.84	-	-	74	-5.16	27	109	H
2	5.149799	65.73	Pk	34.4	-30.1	0	70.03	-	-	74	-3.97	27	109	H
3	5.15	43.4	RMS	34.4	-30.1	.46	48.16	54	-5.84	-	-	27	109	H
4	5.144421	46.3	RMS	34.4	-30.1	.46	51.06	54	-2.94	-	-	27	109	H

Pk - Peak detector  
RMS - RMS detection

**VERTICAL RESULT**



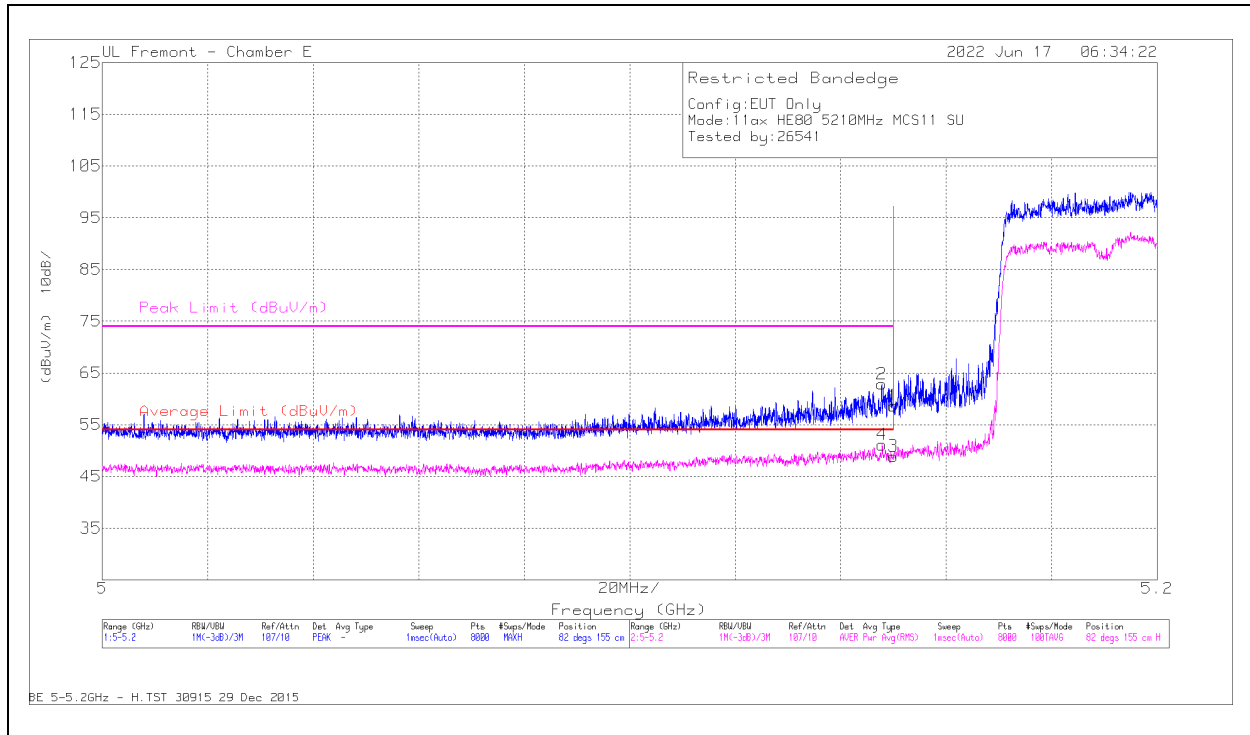
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 4112 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	63.36	Pk	34.4	-30.1	0	67.66	-	-	74	-6.34	285	172	V
2	5.149776	65.43	Pk	34.4	-30.1	0	69.73	-	-	74	-4.27	285	172	V
3	5.15	43.78	RMS	34.4	-30.1	.46	48.54	54	-5.46	-	-	285	172	V
4	5.14891	45.89	RMS	34.4	-30	.46	50.75	54	-3.25	-	-	285	172	V

Pk - Peak detector  
 RMS - RMS detection

**1TX Antenna 5 MODE: SU, Single User**

**BANDEDGE (MID CHANNEL)**

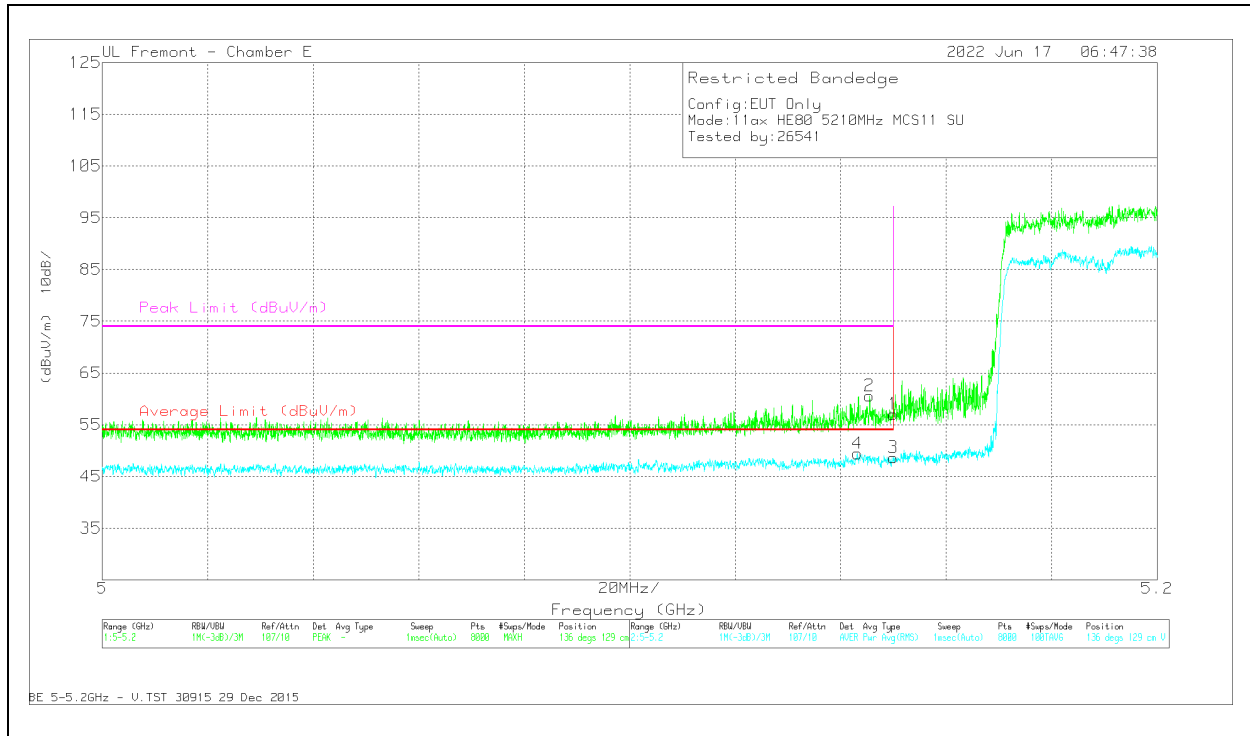
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.15	45.56	Pk	34.5	-21.4	0	58.66	-	-	74	-15.34	82	155	H
2	* 5.147768	49.74	Pk	34.5	-21.4	0	62.84	-	-	74	-11.16	82	155	H
3	* 5.15	34.82	RMS	34.5	-21.4	.98	48.9	54	-5.1	-	-	82	155	H
4	* 5.147843	37.04	RMS	34.5	-21.4	.98	51.12	54	-2.88	-	-	82	155	H

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

**VERTICAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.15	43.97	Pk	34.5	-21.4	0	57.07	-	-	74	-16.93	136	129	V
2	* 5.145467	47.5	Pk	34.5	-21.4	0	60.6	-	-	74	-13.4	136	129	V
3	* 5.15	34.56	RMS	34.5	-21.4	.98	48.64	54	-5.36	-	-	136	129	V
4	* 5.143142	35.35	RMS	34.5	-21.4	.98	49.43	54	-4.57	-	-	136	129	V

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

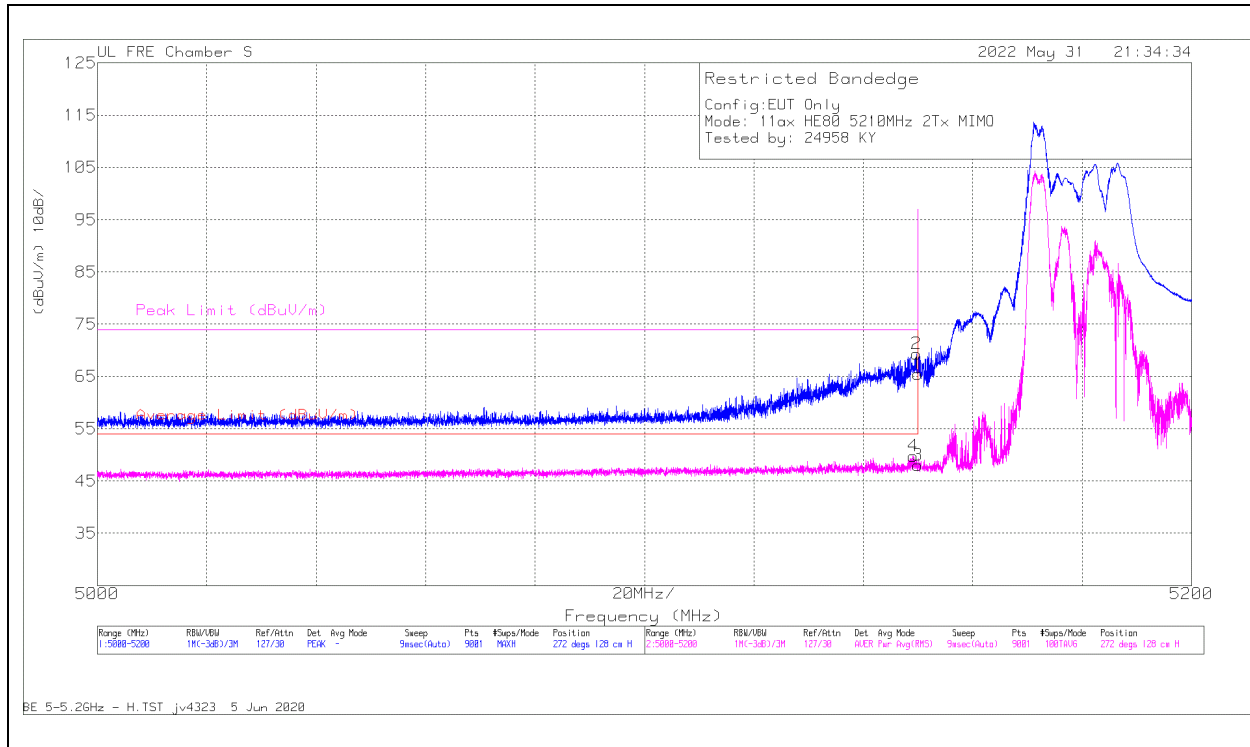
Pk - Peak detector

RMS - RMS detection

**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tones, RU Index 0**

**BANDEDGE (MID CHANNEL)**

**HORIZONTAL RESULT**



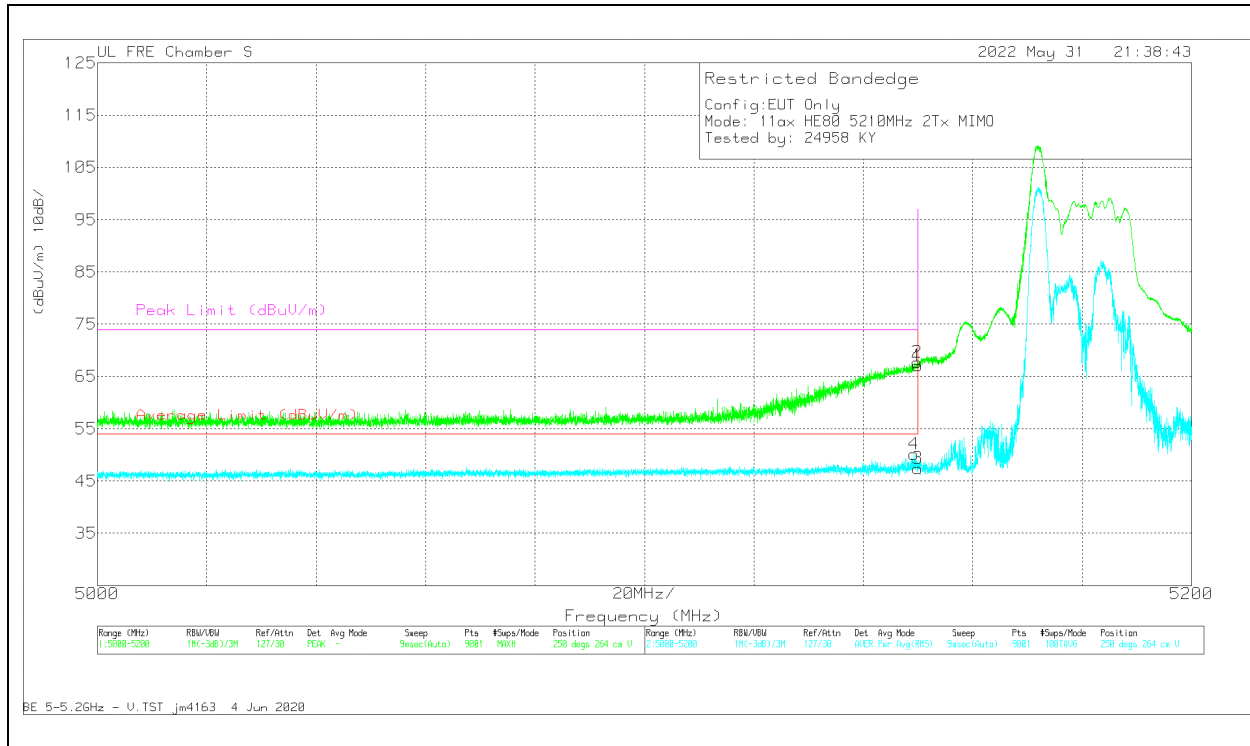
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5150	62.63	Pk	34.5	-31.6	0	65.53	-	-	74	-8.47	272	128	H
2	5149.732	66.47	Pk	34.5	-31.6	0	69.37	-	-	74	-4.63	272	128	H
3	5150	44.61	RMS	34.5	-31.6	.46	47.97	54	-6.03	-	-	272	128	H
4	5149.087	46.43	RMS	34.5	-31.6	.46	49.79	54	-4.21	-	-	272	128	H

Pk - Peak detector

RMS - RMS detection



**VERTICAL RESULT**

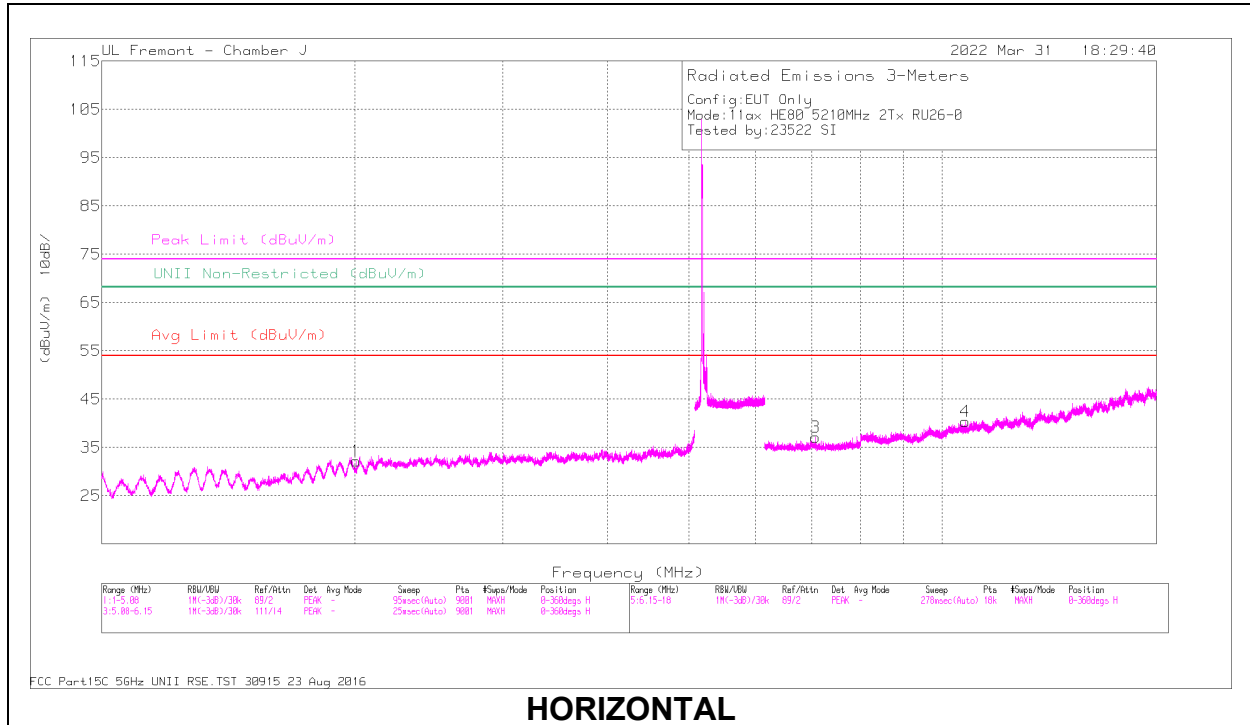


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5150	64.17	Pk	34.5	-31.6	0	67.07	-	-	74	-6.93	250	264	V
2	5149.865	64.76	Pk	34.5	-31.6	0	67.66	-	-	74	-6.34	250	264	V
3	5150	43.97	RMS	34.5	-31.6	.46	47.33	54	-6.67	-	-	250	264	V
4	5149.265	46.81	RMS	34.5	-31.6	.46	50.17	54	-3.83	-	-	250	264	V

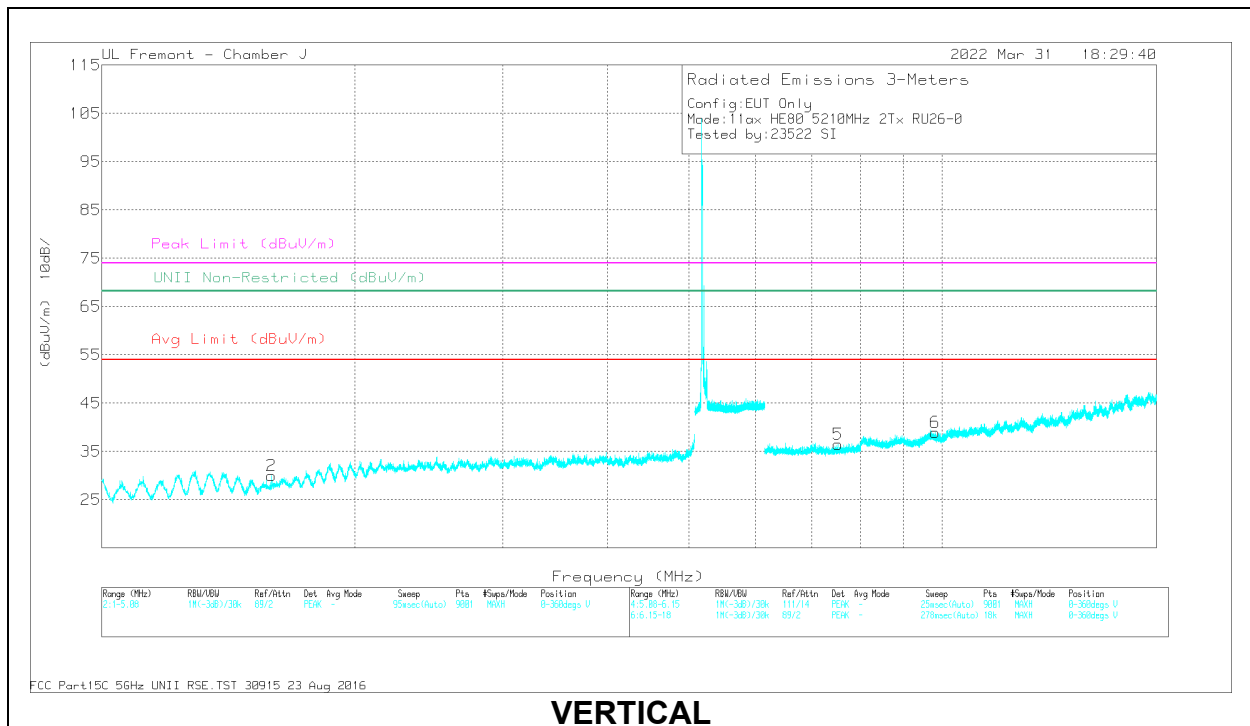
Pk - Peak detector  
RMS - RMS detectio

# HARMONICS AND SPURIOUS EMISSIONS

## MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206806 (dB/m)	Amp/Cbl/Filtr/Pad (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	2008.365	58.59	PK-U	31.7	-48.8	41.49	-	-	-	-	68.2	-26.71	226	228	H
2	* 1594.663	60.76	PK-U	27.8	-49.1	39.46	-	-	74	-34.54	-	-	52	326	V
	* 1594.609	48.3	ADR	27.8	-49.1	27	54	-27	-	-	-	-	52	326	V
3	7067.717	55.85	PK-U	35.7	-45.2	46.35	-	-	-	-	68.2	-21.85	135	377	H
	* 10656.044	55.56	PK-U	37.9	-44.7	48.76	-	-	74	-25.24	-	-	14	297	H
4	* 10657.456	44.1	ADR	37.9	-44.7	37.3	54	-16.7	-	-	-	-	14	297	H
5	* 7515.52	55.82	PK-U	35.8	-46	45.62	-	-	74	-28.38	-	-	26	378	V
	* 7516.501	44.31	ADR	35.8	-46	34.11	54	-19.89	-	-	-	-	26	378	V
6	9817.203	56.9	PK-U	37.1	-45.7	48.3	-	-	-	-	68.2	-19.9	313	204	V

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

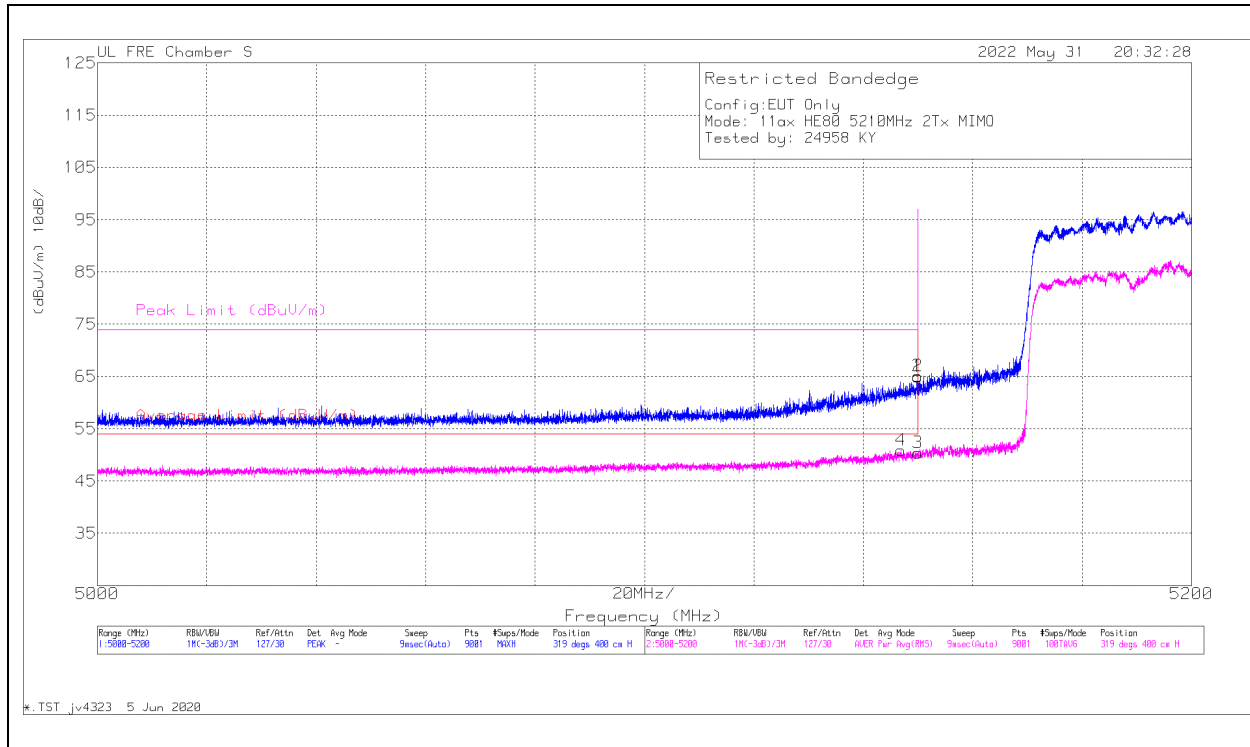
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**

**BANDEDGE (MID CHANNEL)**

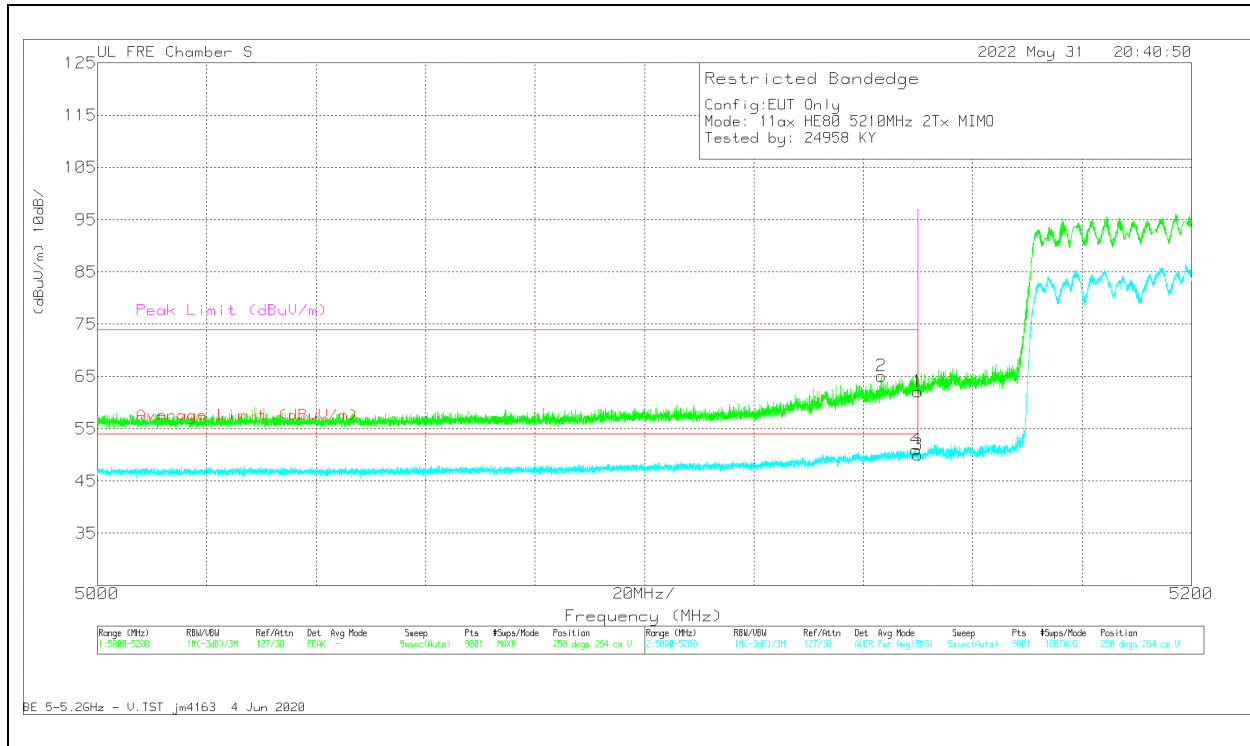
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/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	62.05	Pk	34.5	-31.6	0	64.95	-	-	74	-9.05	319	400	H
2	5149.999	62.17	Pk	34.5	-31.6	0	65.07	-	-	74	-8.93	319	400	H
3	5150	46.48	RMS	34.5	-31.6	.98	50.36	54	-3.64	-	-	319	400	H
4	5146.887	46.96	RMS	34.5	-31.6	.98	50.84	54	-3.16	-	-	319	400	H

Pk - Peak detector  
RMS - RMS detection

**VERTICAL RESULT**

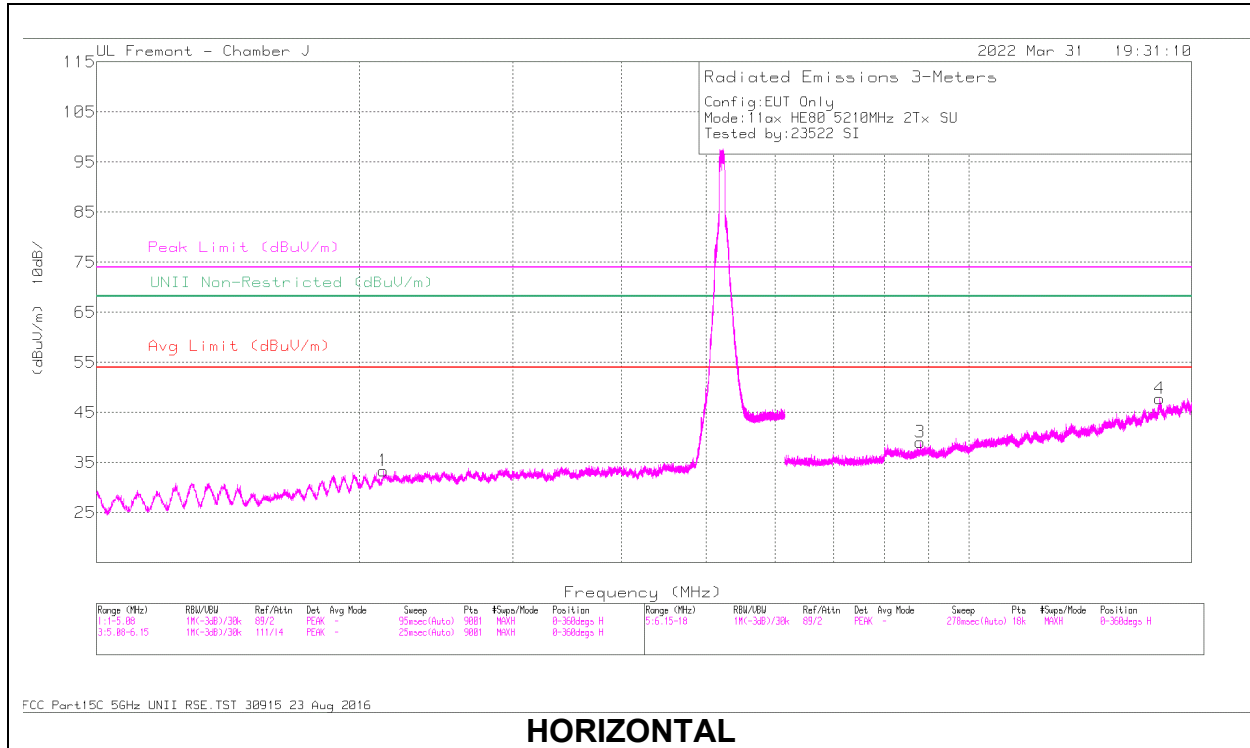


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206807 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5150	59.24	Pk	34.5	-31.6	0	62.14	-	-	74	-11.86	250	264	V
2	5143.332	62.27	Pk	34.5	-31.7	0	65.07	-	-	74	-8.93	250	264	V
3	5150	46.11	RMS	34.5	-31.6	.98	49.99	54	-4.01	-	-	250	264	V
4	5149.665	47.14	RMS	34.5	-31.6	.98	51.02	54	-2.98	-	-	250	264	V

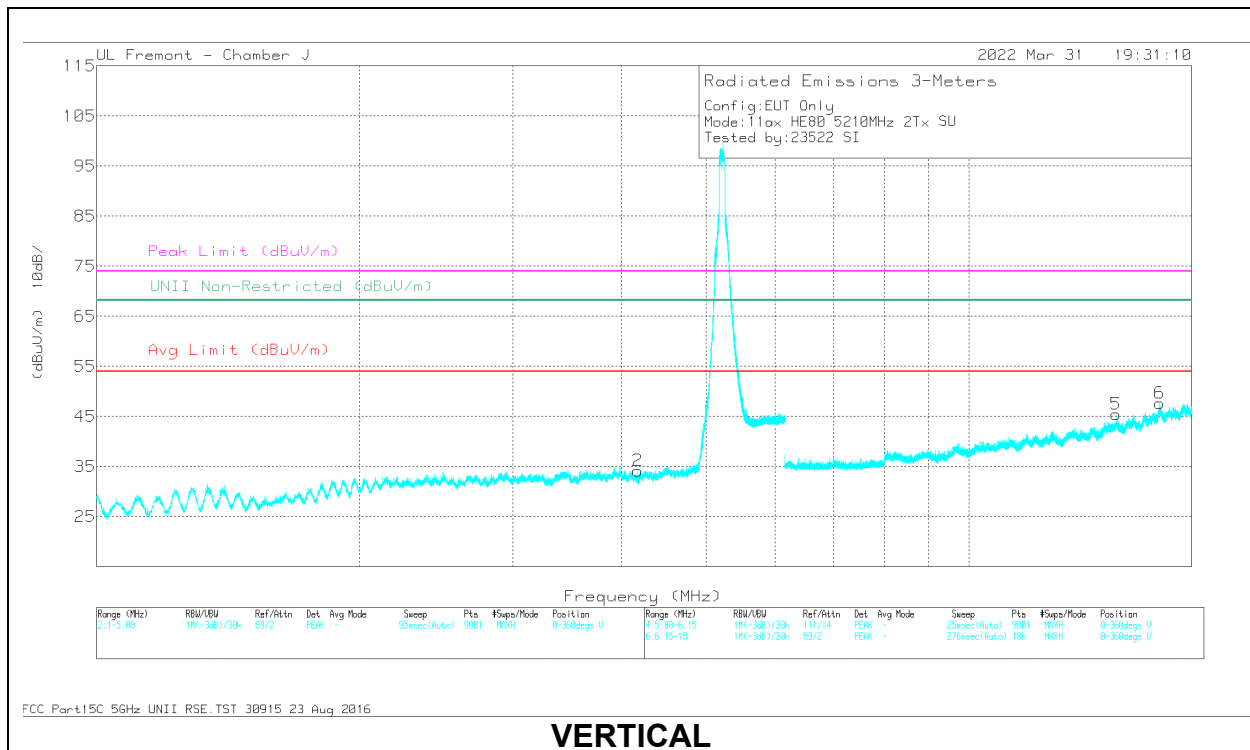
Pk - Peak detector  
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## MID CHANNEL RESULTS



### 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	2132.576	60.29	PK-U	31.5	-49.4	0	42.39	-	-	-	-	68.2	-25.81	358	167	H
2	* 4176.269	56.62	PK-U	33.3	-47.2	0	42.72	-	-	74	-31.28	-	-	13	124	V
	* 4174.108	45.26	ADR	33.3	-47.2	0.26	31.62	54	-22.38	-	-	-	-	13	124	V
3	8792.268	56.14	PK-U	36.1	-44.8	0	47.44	-	-	-	-	68.2	-20.76	112	284	H
4	16549.965	55.6	PK-U	41.4	-41.4	0	55.6	-	-	-	-	68.2	-12.6	18	388	H
5	14754.629	55.24	PK-U	39.7	-41.9	0	53.04	-	-	-	-	68.2	-15.16	352	374	V
6	16545.741	55.7	PK-U	41.4	-41.5	0	55.6	-	-	-	-	68.2	-12.6	120	220	V

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

PK-U - U-NII: Maximum Peak

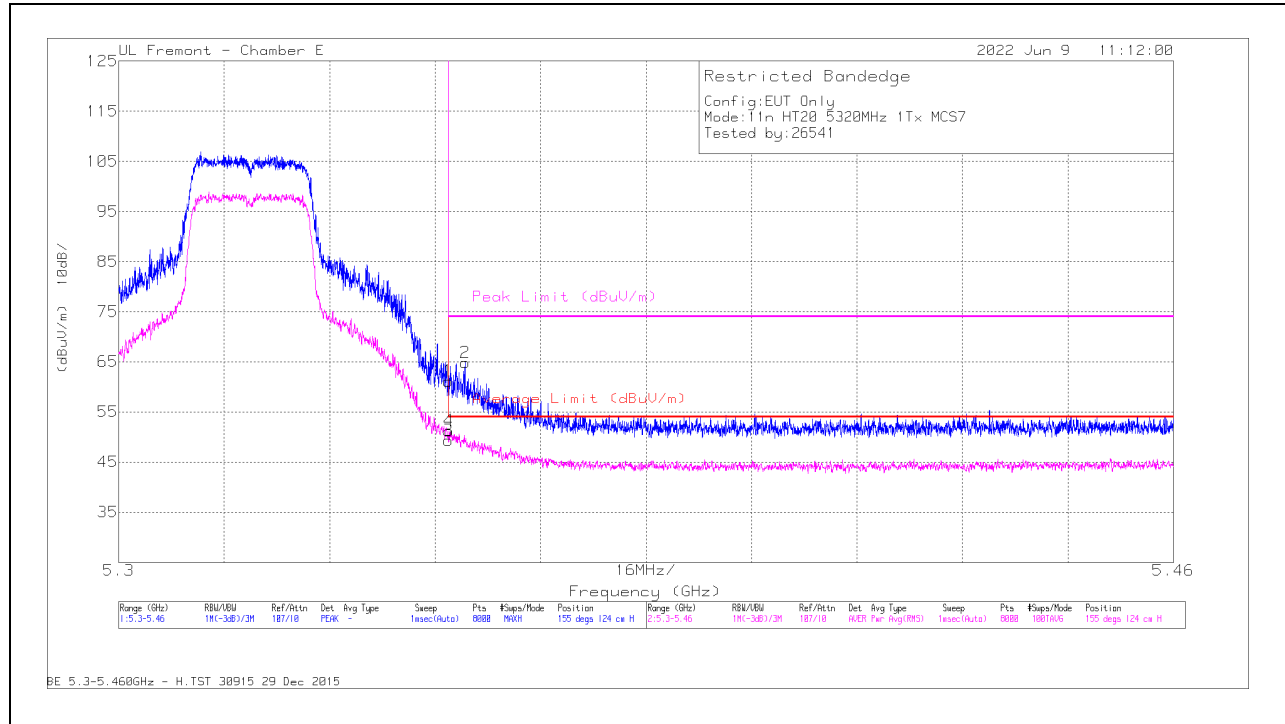
ADR - U-NII AD primary method, RMS average

### 1.1.7. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 6

#### BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.35	47.57	Pk	34.5	-20.9	0	61.17	-	-	74	-12.83	155	124	H
2	* 5.352548	51.26	Pk	34.5	-20.9	0	64.86	-	-	74	-9.14	155	124	H
3	* 5.35	35.35	RMS	34.5	-20.9	.6	49.55	54	-4.45	-	-	155	124	H
4	* 5.350108	37.27	RMS	34.5	-20.9	.6	51.47	54	-2.53	-	-	155	124	H

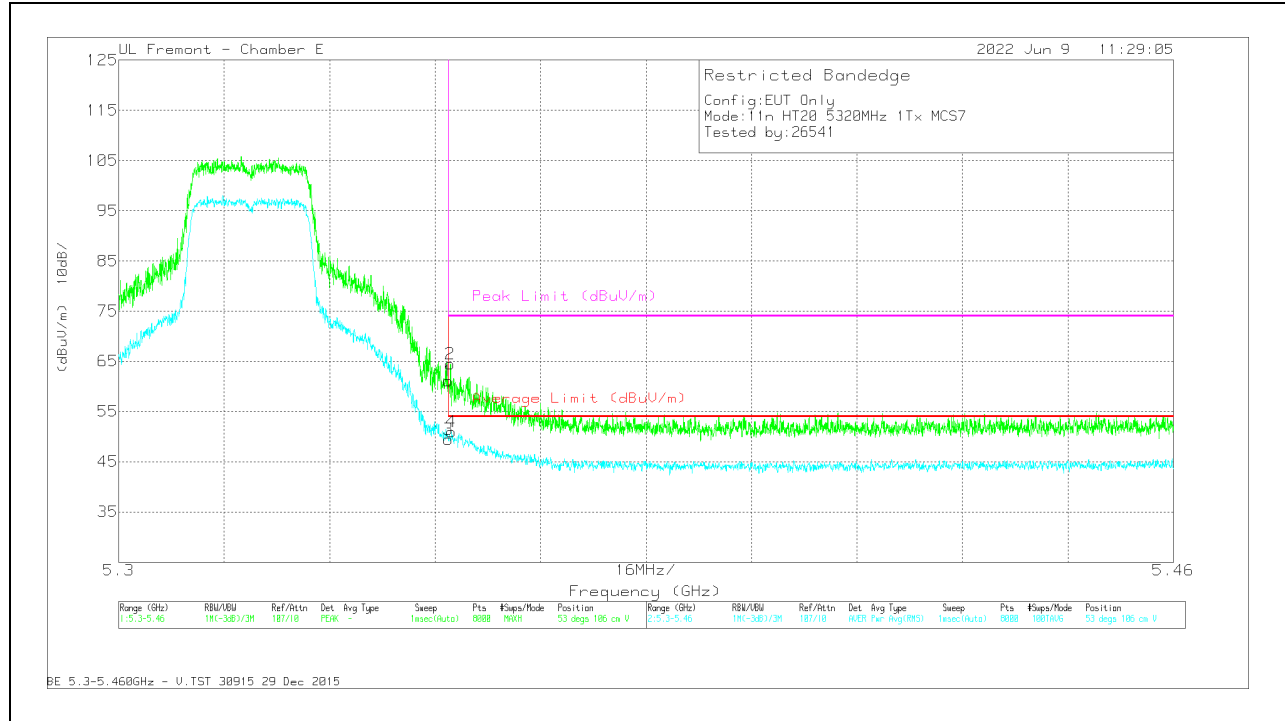
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL RESULT**



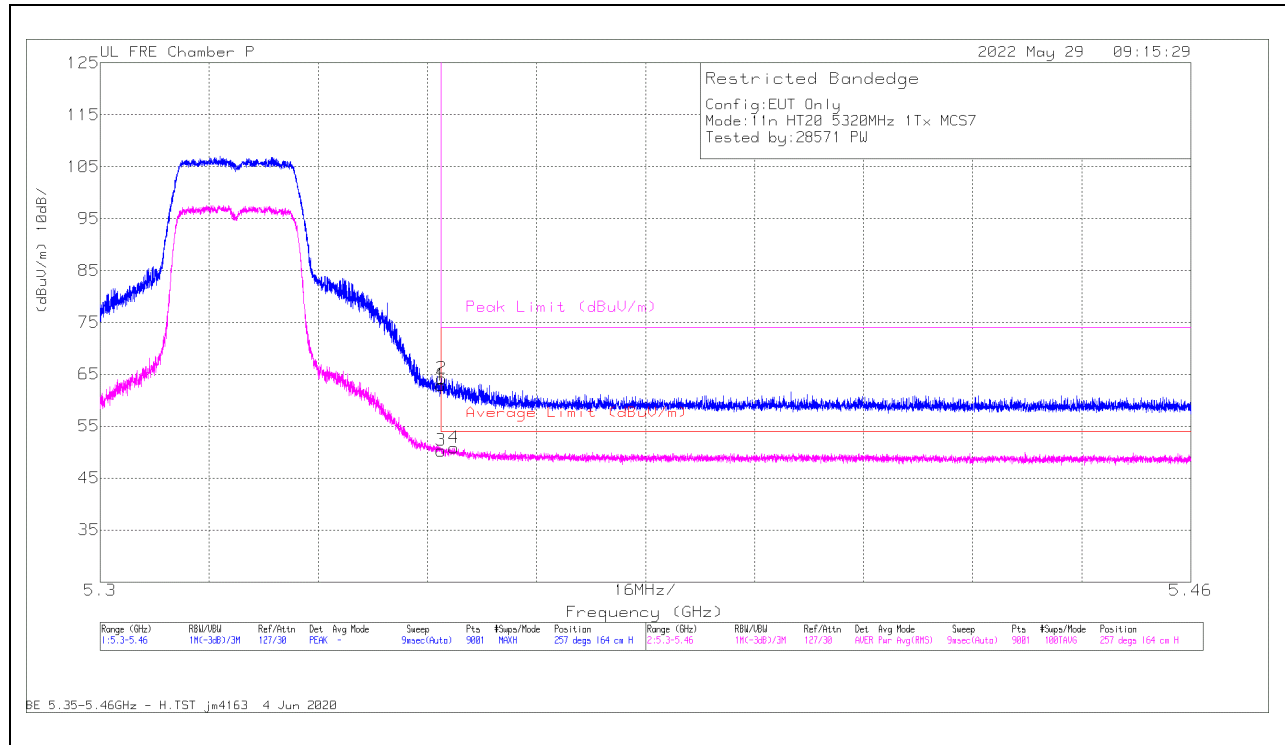
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.48	Pk	34.5	-20.9	0	61.08	-	-	74	-12.92	53	106	V
2	* 5.350328	50.9	Pk	34.5	-20.9	0	64.5	-	-	74	-9.5	53	106	V
3	* 5.35	35.43	RMS	34.5	-20.9	.6	49.63	54	-4.37	-	-	53	106	V
4	* 5.350488	36.91	RMS	34.5	-20.9	.6	51.11	54	-2.89	-	-	53	106	V

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

**1TX Antenna 5**

**BANDEDGE (HIGH CHANNEL)**

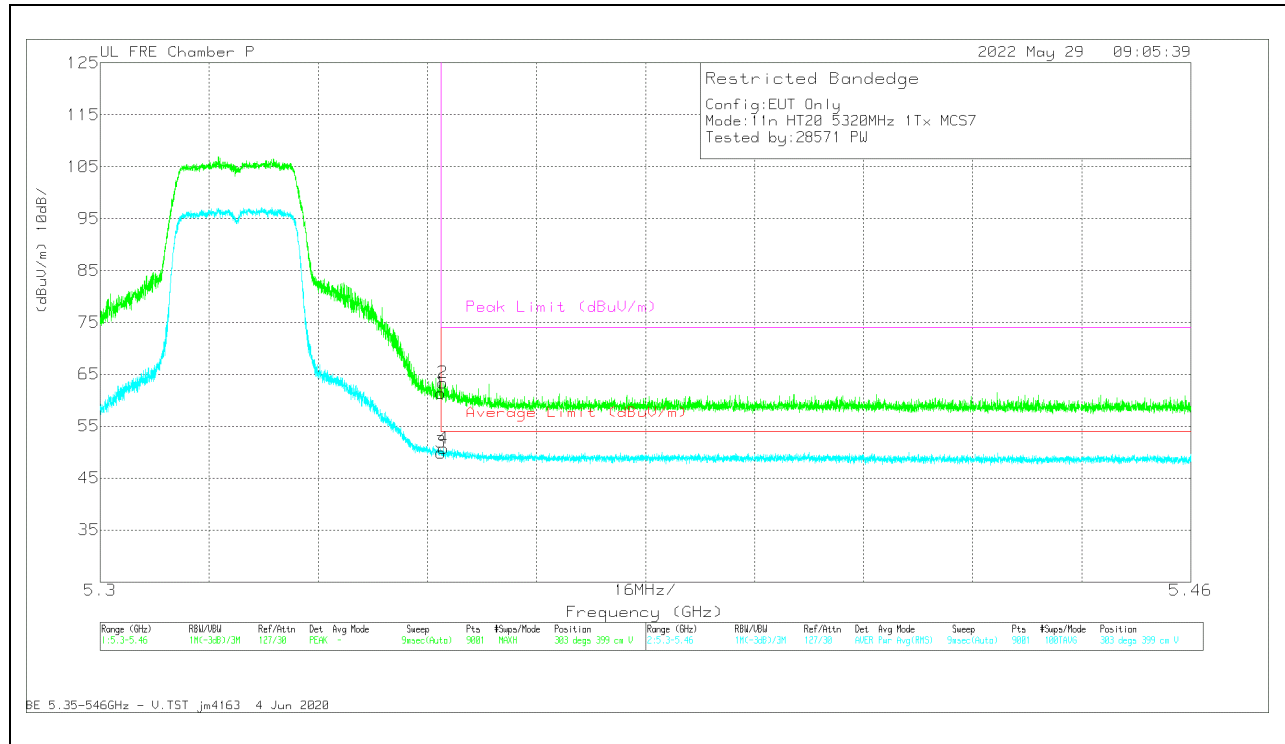
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Fitr/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	5.35	57.51	Pk	34.6	-29.3	0	62.81	-	-	74	-11.19	257	164	H
2	5.350098	58.95	Pk	34.6	-29.3	0	64.25	-	-	74	-9.75	257	164	H
3	5.35	44.58	RMS	34.6	-29.3	.6	50.48	54	-3.52	-	-	257	164	H
4	5.351912	45.03	RMS	34.7	-29.3	.6	51.03	54	-2.97	-	-	257	164	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**



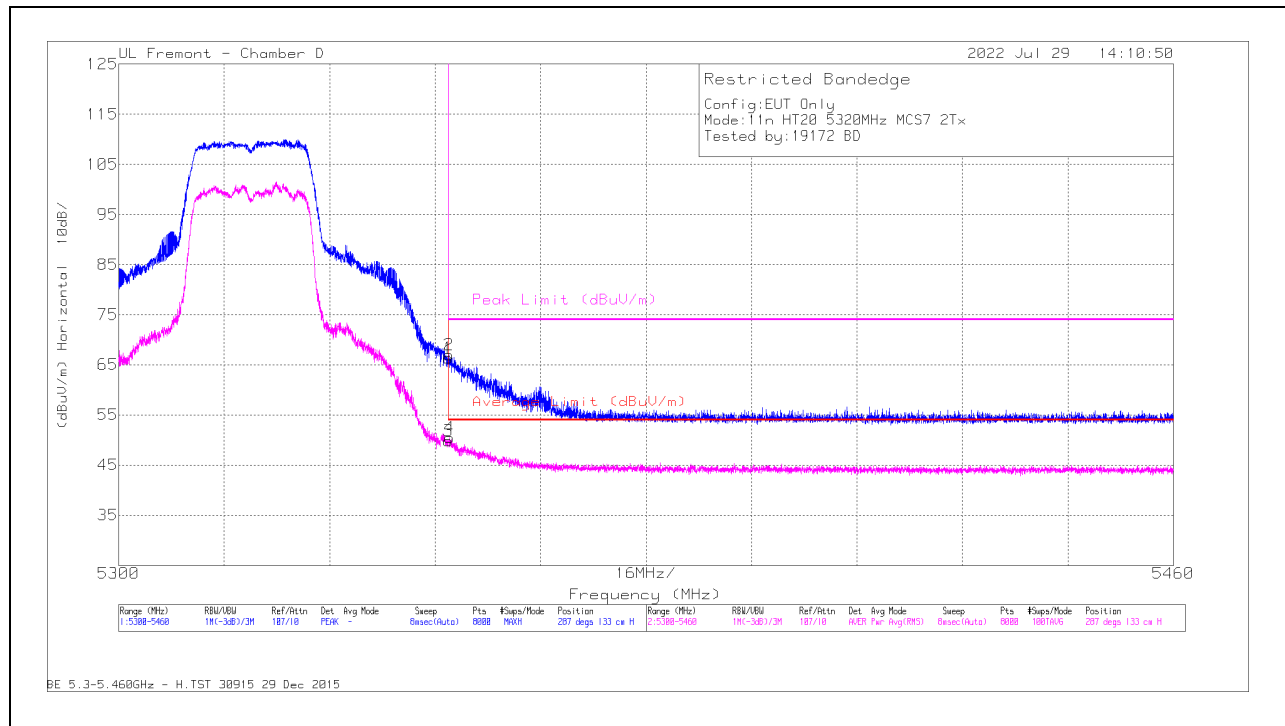
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	56.02	Pk	34.6	-29.3	0	61.32	-	-	74	-12.68	303	399	V
2	5.350294	58.08	Pk	34.6	-29.3	0	63.38	-	-	74	-10.62	303	399	V
3	5.35	44.2	RMS	34.6	-29.3	.6	50.1	54	-3.9	-	-	303	399	V
4	5.350365	44.96	RMS	34.6	-29.3	.6	50.86	54	-3.14	-	-	303	399	V

Pk - Peak detector  
RMS - RMS detection

**2TX Antenna 6 + Antenna 5 CDD MODE**

**BANDEDGE (HIGH CHANNEL)**

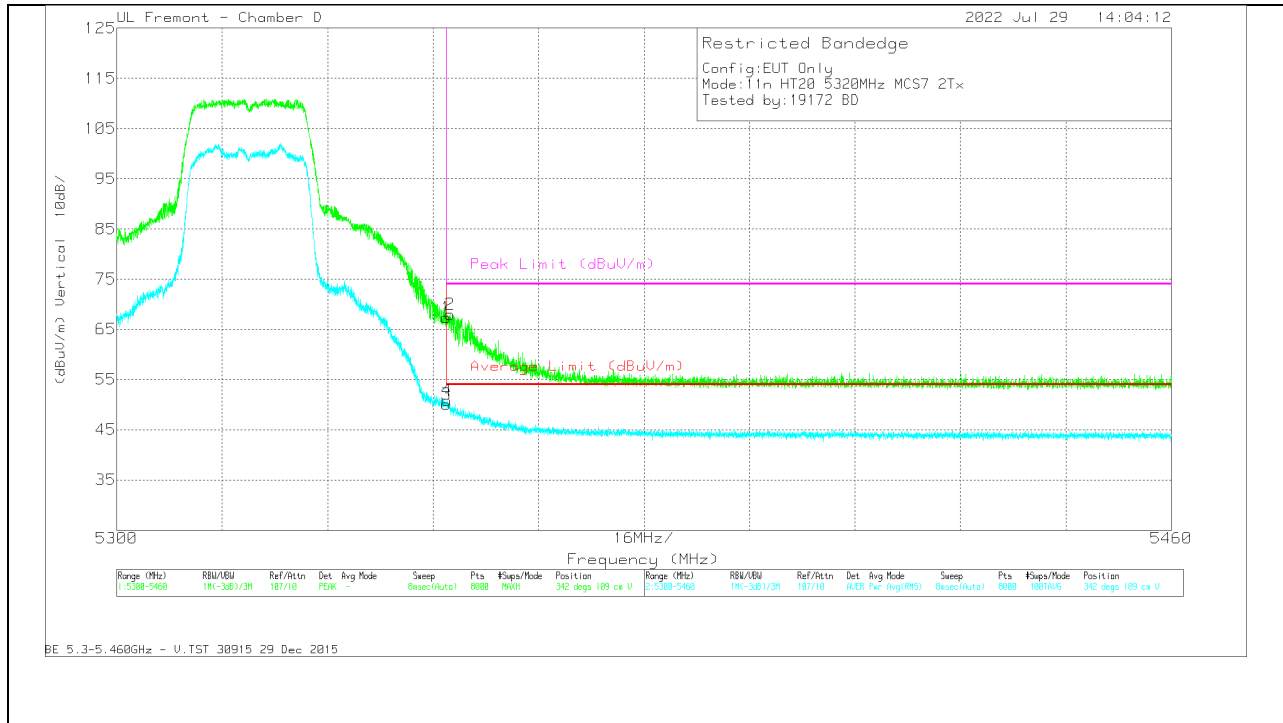
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb I/Filtr/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	50.07	Pk	34.8	-18.5	0	66.37	-	-	74	-7.63	287	133	H
2	* 5350.048	50.69	Pk	34.8	-18.5	0	66.99	-	-	74	-7.01	287	133	H
3	* 5350	32.92	RMS	34.8	-18.5	.6	49.82	54	-4.18	-	-	287	133	H
4	* 5350.228	33.6	RMS	34.8	-18.5	.6	50.5	54	-3.5	-	-	287	133	H

Pk - Peak detector  
RMS - RMS detection

**VERTICAL RESULT**

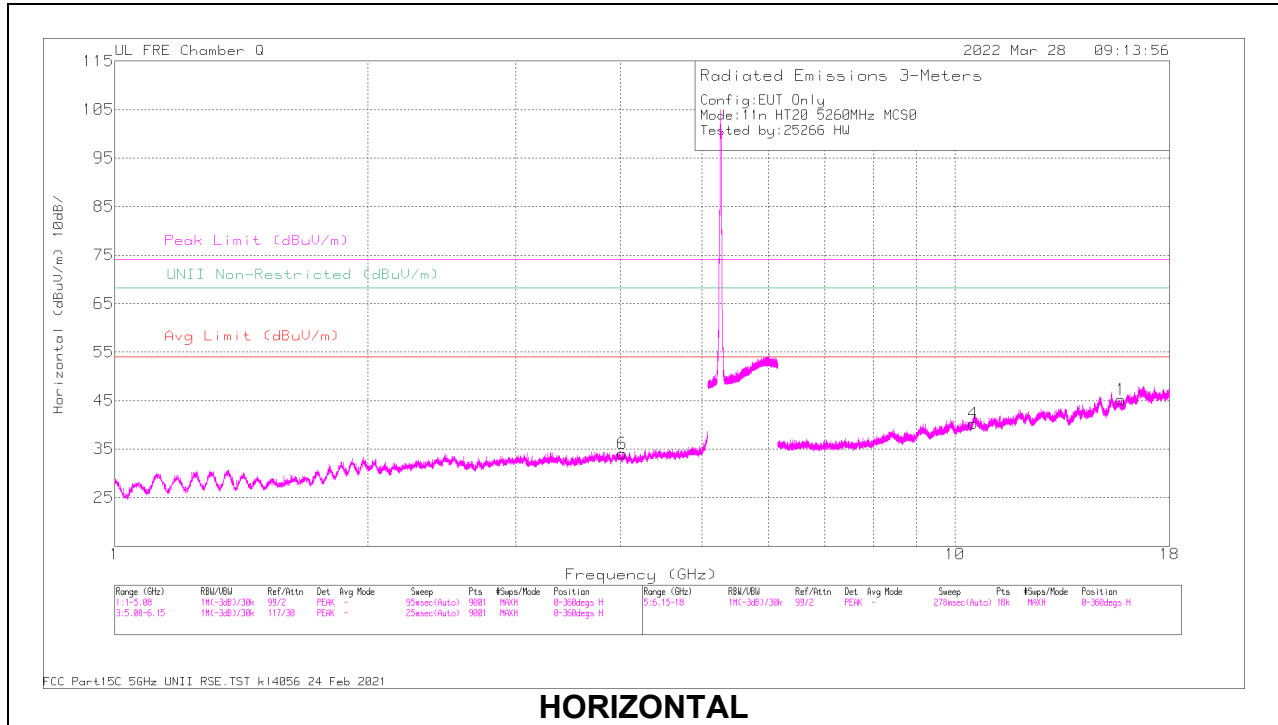


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb I/Filtr/PA d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	51.04	Pk	34.8	-18.5	0	67.34	-	-	74	-6.66	342	109	V
2	* 5350.568	51.73	Pk	34.8	-18.5	0	68.03	-	-	74	-5.97	342	109	V
3	* 5350	33.24	RMS	34.8	-18.5	6	50.14	54	-3.86	-	-	342	109	V
4	* 5350.128	33.91	RMS	34.8	-18.5	6	50.81	54	-3.19	-	-	342	109	V

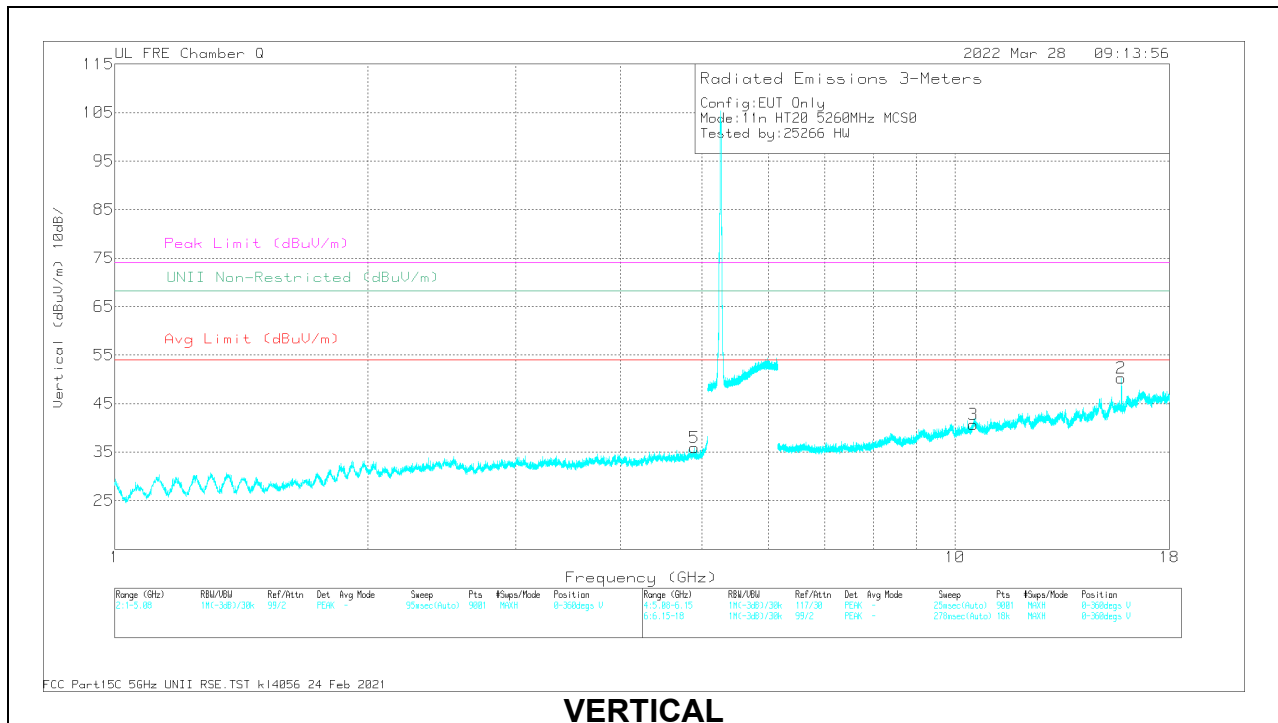
Pk - Peak detector  
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

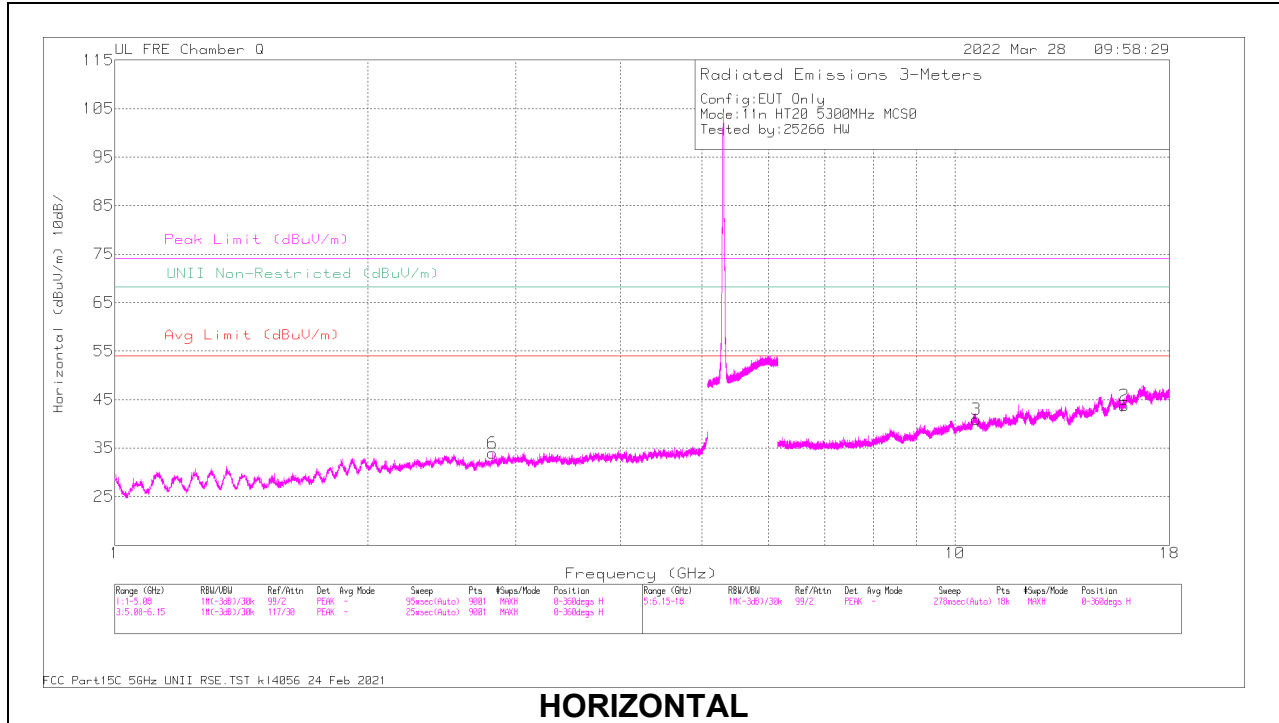
**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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	15.778275	48.22	PK-U	40.3	-33.6	0	54.92	-	-	74	-19.08	-	-	327	126	H
	15.776689	36.54	ADR	40.3	-33.6	0.14	43.38	54	-10.62	-	-	-	-	327	126	H
2	15.778057	52.68	PK-U	40.3	-33.6	0	59.38	-	-	74	-14.62	-	-	18	109	V
	15.777702	39.3	ADR	40.3	-33.6	0.14	46.14	54	-7.86	-	-	-	-	18	109	V
3	10.521971	47.75	PK-U	37.6	-34.3	0	51.05	-	-	-	-	68.2	-17.15	208	108	V
4	10.51951	48.02	PK-U	37.6	-34.4	0	51.22	-	-	-	-	68.2	-16.98	222	203	H
5	4.895852	39.58	ADR	33.8	-40.2	0.14	33.32	54	-20.68	-	-	-	-	142	155	V
	10.519452	36.33	ADR	37.6	-34.4	0.14	39.53	-	-	-	-	-	-	222	203	H
6	4.020566	39.38	ADR	33.4	-40.6	0.14	32.32	54	-21.68	-	-	-	-	37	235	H
	4.023786	50.72	PK-U	33.4	-40.6	0	43.52	-	-	74	-30.48	-	-	37	235	H

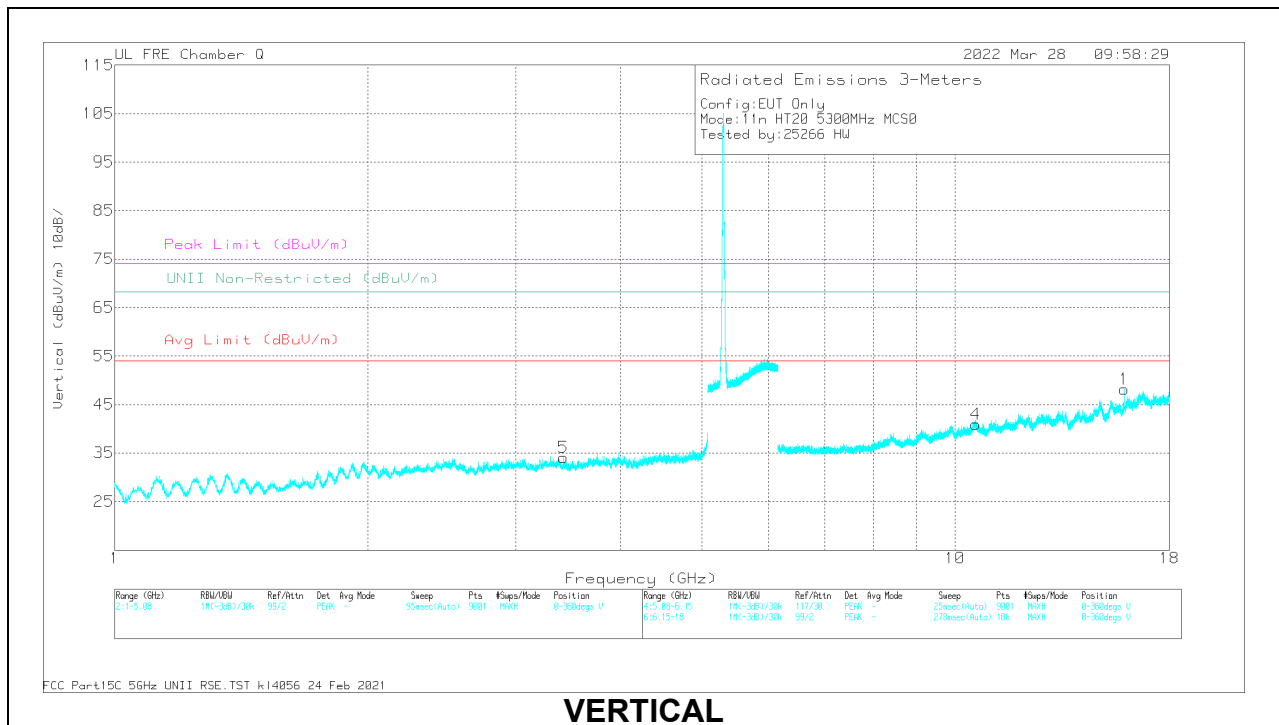
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**MID CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**



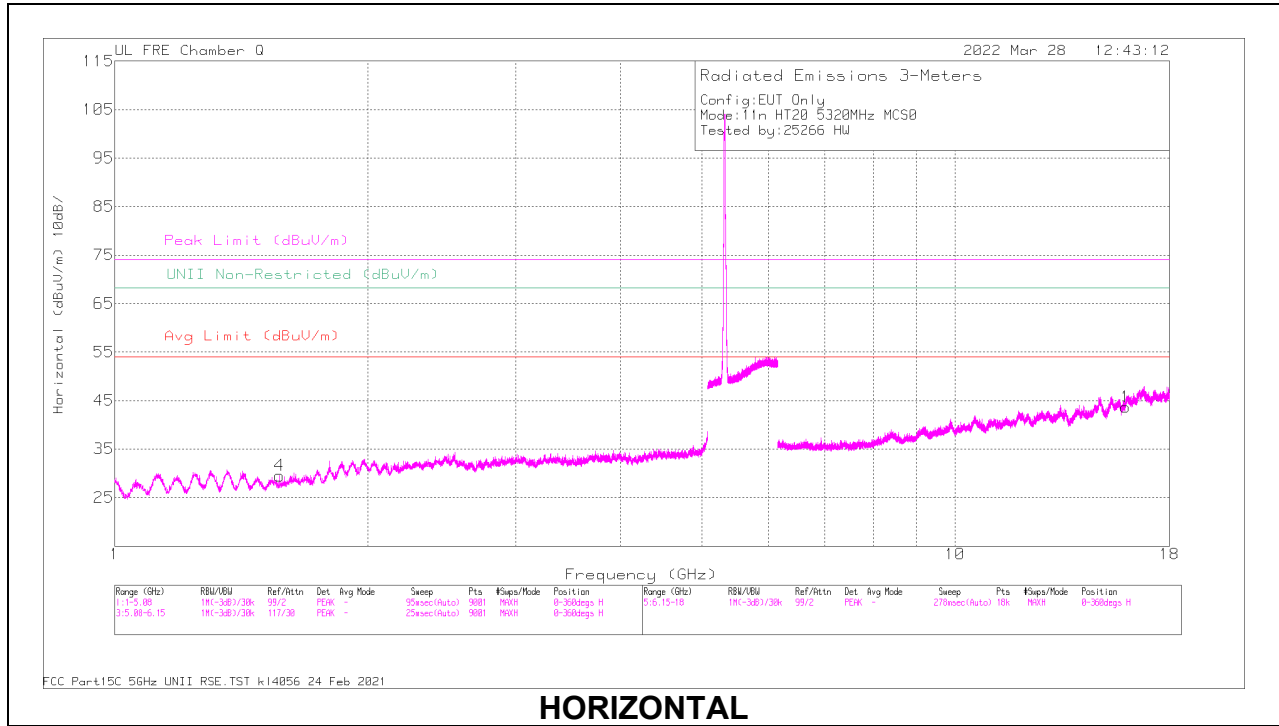
**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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	15.900074	49.63	PK-U	40.5	-33.4	0	56.73	-	-	74	-17.27	-	-	49	140	V
	15.900521	37.86	ADR	40.5	-33.4	0.14	45.1	54	-8.9	-	-	-	-	49	140	V
2	15.903358	47.33	PK-U	40.5	-33.4	0	54.43	-	-	74	-19.57	-	-	120	393	H
	15.900321	36.17	ADR	40.5	-33.4	0.14	43.41	54	-10.59	-	-	-	-	120	393	H
3	10.601294	47.49	PK-U	37.7	-34.1	0	51.09	-	-	74	-22.91	-	-	112	169	H
	10.598699	35.81	ADR	37.6	-34.1	0.14	39.45	54	-14.55	-	-	-	-	112	169	H
4	10.593496	47.72	PK-U	37.7	-34.1	0	51.32	-	-	-	-	68.2	-16.88	336	114	V
5	3.419516	51.25	PK-U	32.5	-41	0	42.75	-	-	-	-	-	-26.45	256	247	V
6	2.814841	54.26	PK-U	32.2	-43.5	0	42.96	-	-	74	-31.04	-	-	45	204	H
	2.815637	42.4	ADR	32.2	-43.5	0.14	31.24	54	-22.76	-	-	-	-	45	204	H

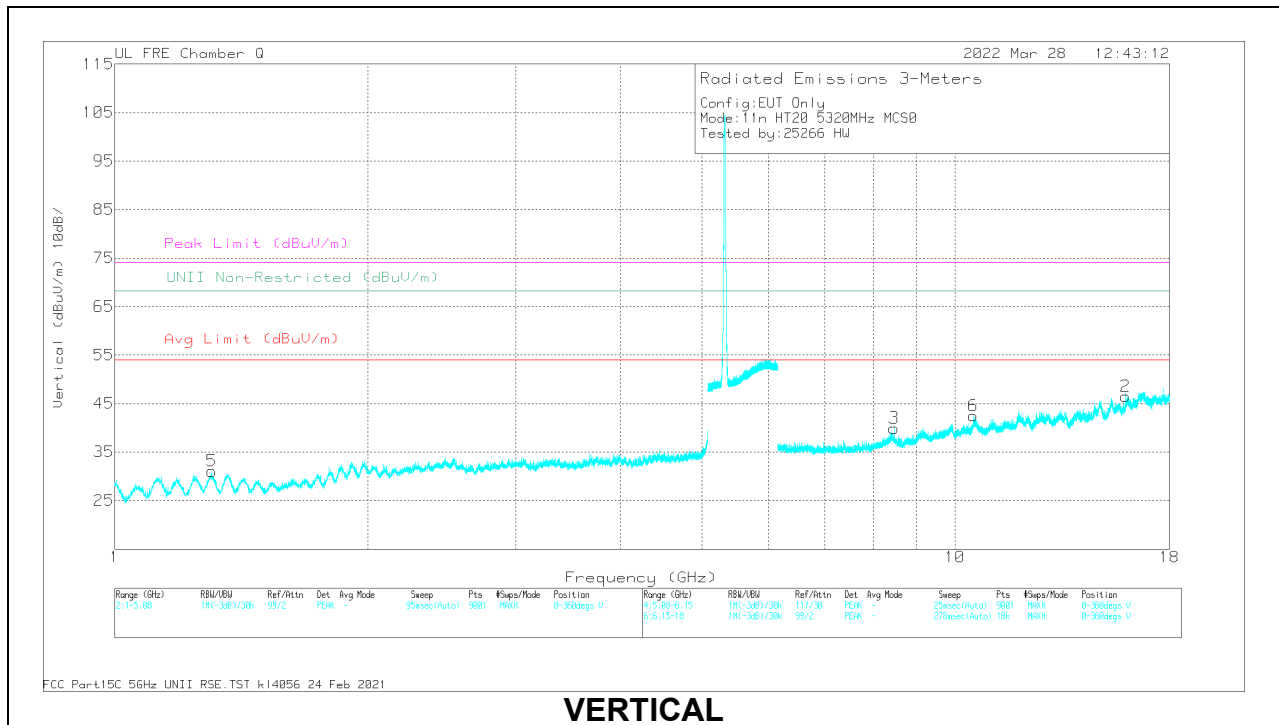
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**HIGH CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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	15.95951	46.98	PK-U	40.5	-33	0	54.48	-	-	74	-19.52	-	-	74	330	H
	15.957356	35.67	ADR	40.5	-33.1	0.14	43.21	54	-10.79	-	-	-	-	74	330	H
2	15.957959	36.51	ADR	40.5	-33.1	0.14	44.05	54	-9.95	-	-	-	-	16	200	V
	15.958842	48.36	PK-U	40.5	-33	0	55.86	-	-	74	-18.14	-	-	16	200	V
3	8.459299	38.49	ADR	35.9	-35.8	0.14	36.73	54	-17.27	-	-	-	-	176	154	V
	8.461344	48.71	PK-U	36	-35.8	0	43.91	-	-	74	-25.09	-	-	176	154	V
4	1.571157	55.18	PK-U	27.5	-44.6	0	38.08	-	-	74	-35.92	-	-	178	227	H
	1.571777	43.7	ADR	27.5	-44.7	0.14	26.64	54	-27.36	-	-	-	-	178	227	H
5	1.302463	56.87	PK-U	28.7	-45.1	0	40.47	-	-	74	-33.53	-	-	49	202	V
	1.304345	45.26	ADR	28.7	-45.1	0.14	29	54	-25	-	-	-	-	49	202	V
6	10.513949	48.05	PK-U	37.6	-34.5	0	51.15	-	-	-	-	68.2	-17.05	33	124	V

PK-U - U-NII: Maximum Peak

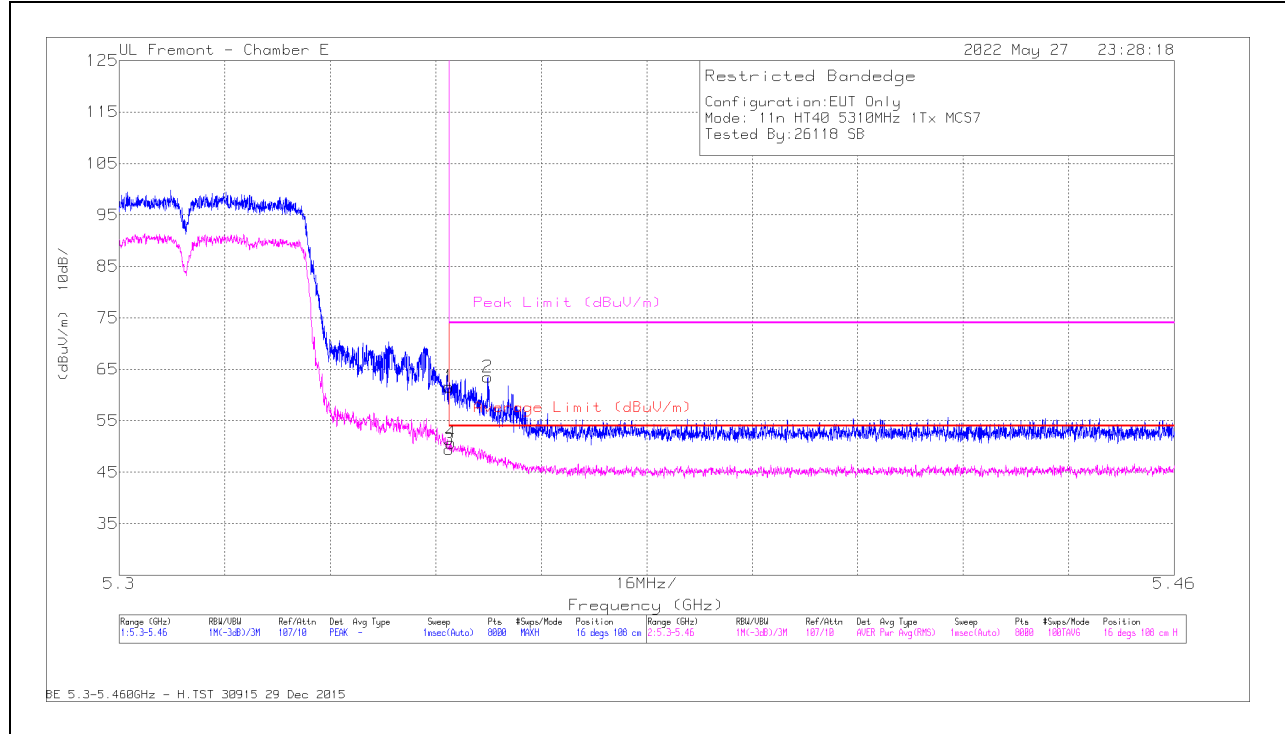
ADR - U-NII AD primary method, RMS average

### 1.1.8. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 6

#### BANDEDGE (HIGH CHANNEL)

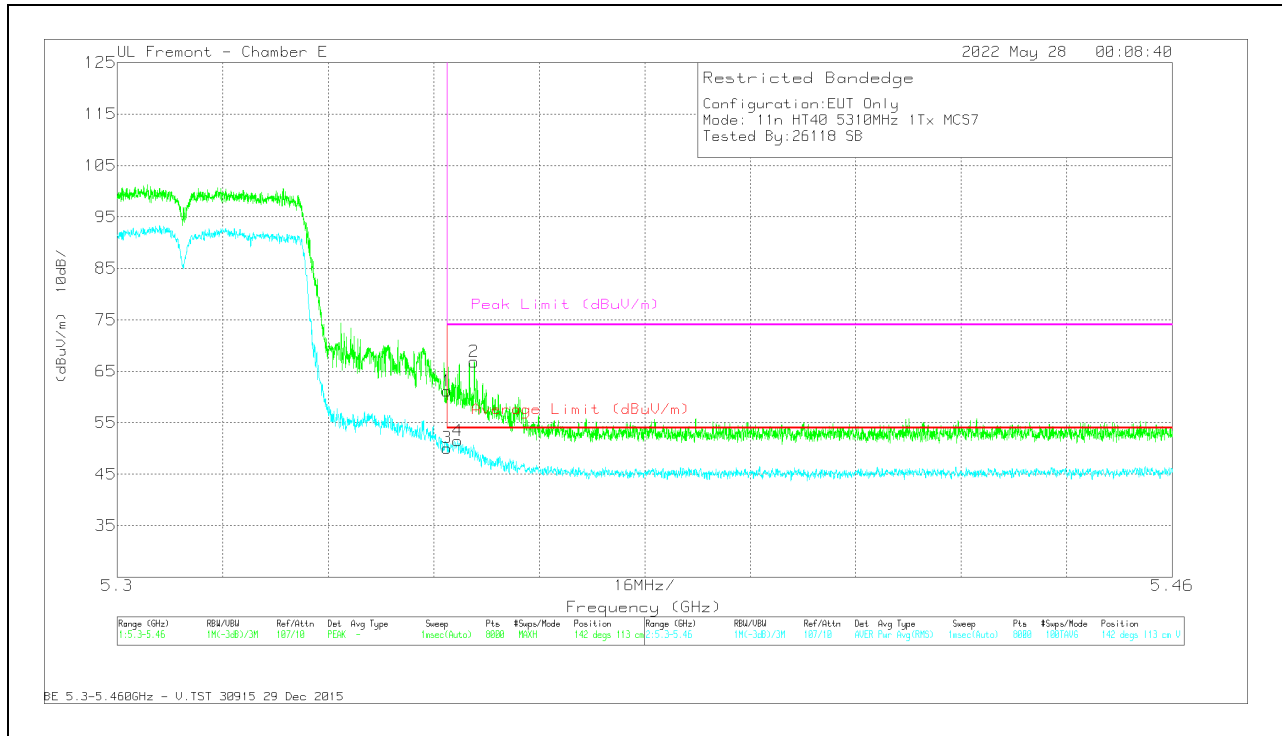
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.35	48.01	Pk	34.5	-20.9	0	61.61	-	-	74	-12.39	16	108	H
2	* 5.355888	49.93	Pk	34.5	-20.9	0	63.53	-	-	74	-10.47	16	108	H
3	* 5.35	35.24	RMS	34.5	-20.9	.89	49.73	54	-4.27	-	-	16	108	H
4	* 5.350268	36.49	RMS	34.5	-20.9	.89	50.98	54	-3.02	-	-	16	108	H

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

**VERTICAL RESULT**



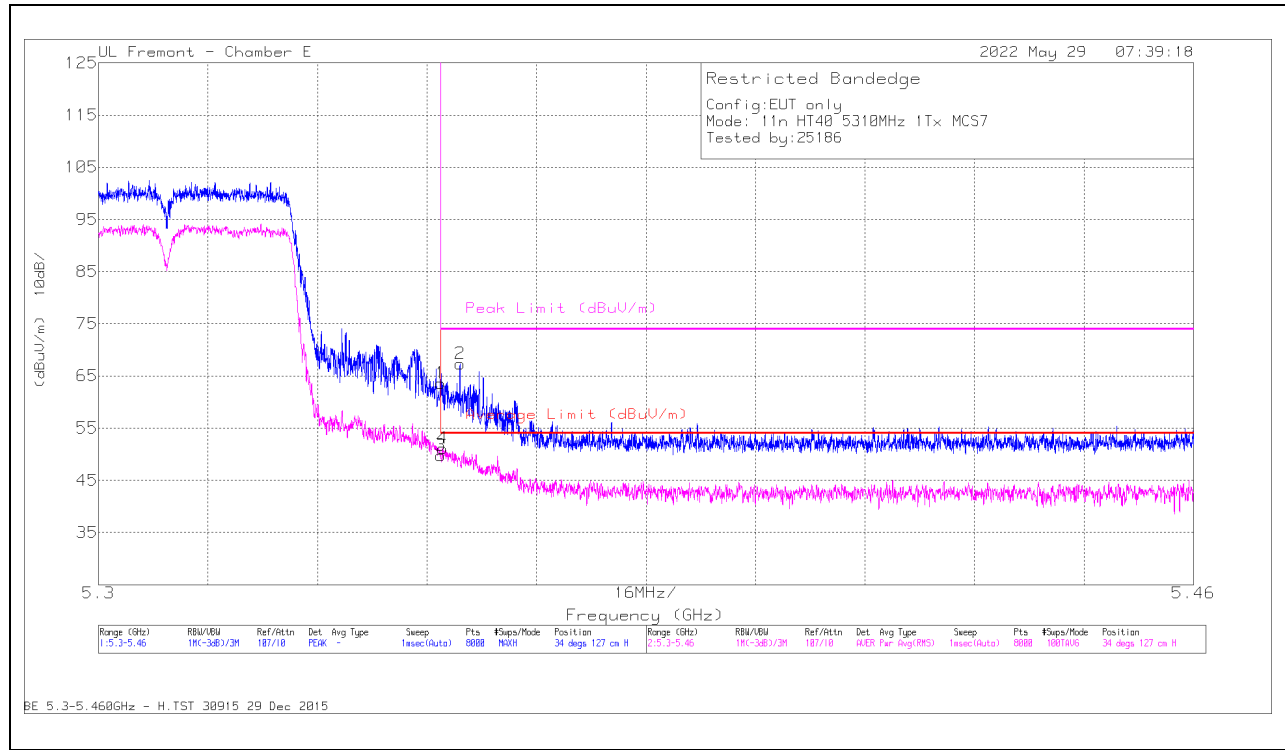
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.58	Pk	34.5	-20.9	0	61.18	-	-	74	-12.82	142	113	V
2	* 5.354148	53.27	Pk	34.5	-20.9	0	66.87	-	-	74	-7.13	142	113	V
3	* 5.35	35.85	RMS	34.5	-20.9	.89	50.34	54	-3.64	-	-	142	113	V
4	* 5.351648	37.26	RMS	34.5	-20.9	.89	51.75	54	-2.25	-	-	142	113	V

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

**1TX Antenna 5**

**BANDEDGE (HIGH CHANNEL)**

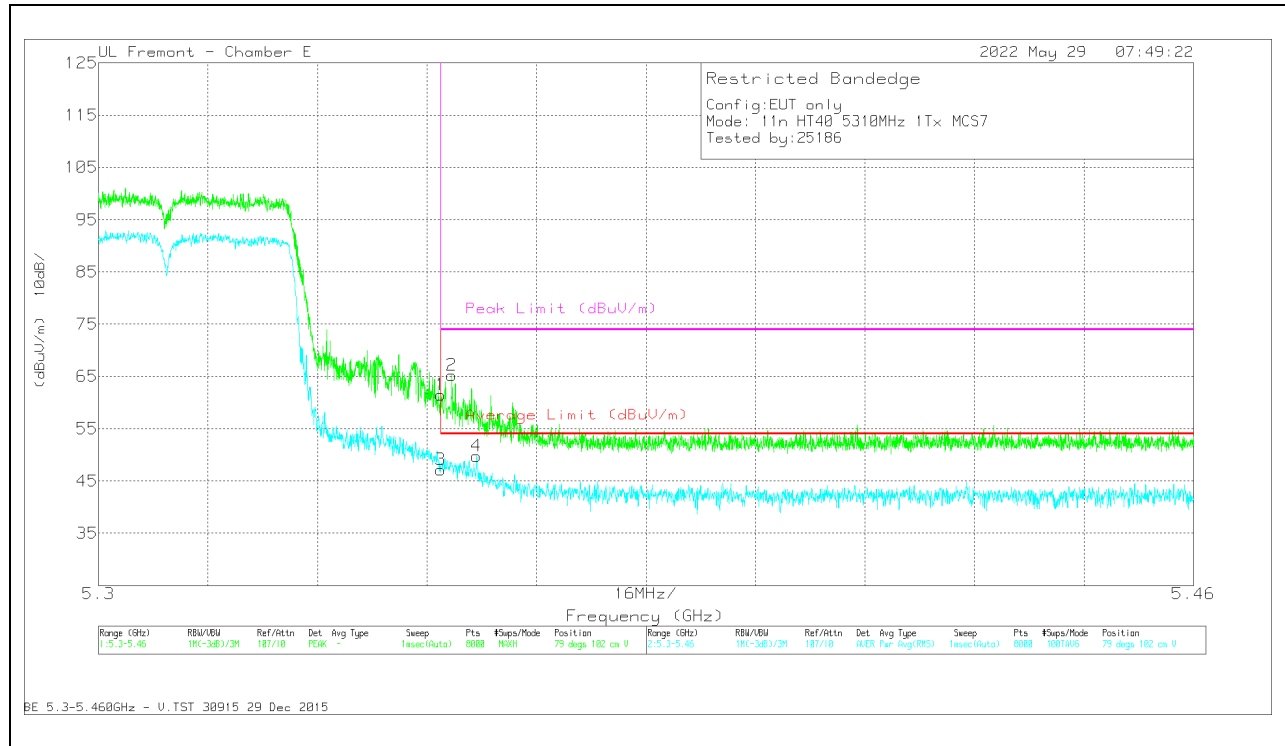
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.35	49.98	Pk	34.5	-20.9	0	63.58	-	-	74	-10.42	34	127	H
2	* 5.352808	53.77	Pk	34.5	-20.9	0	67.37	-	-	74	-6.63	34	127	H
3	* 5.35	35.49	RMS	34.5	-20.9	.89	49.98	54	-4.02	-	-	34	127	H
4	* 5.350248	36.88	RMS	34.5	-20.9	.89	51.37	54	-2.63	-	-	34	127	H

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

**VERTICAL RESULT**



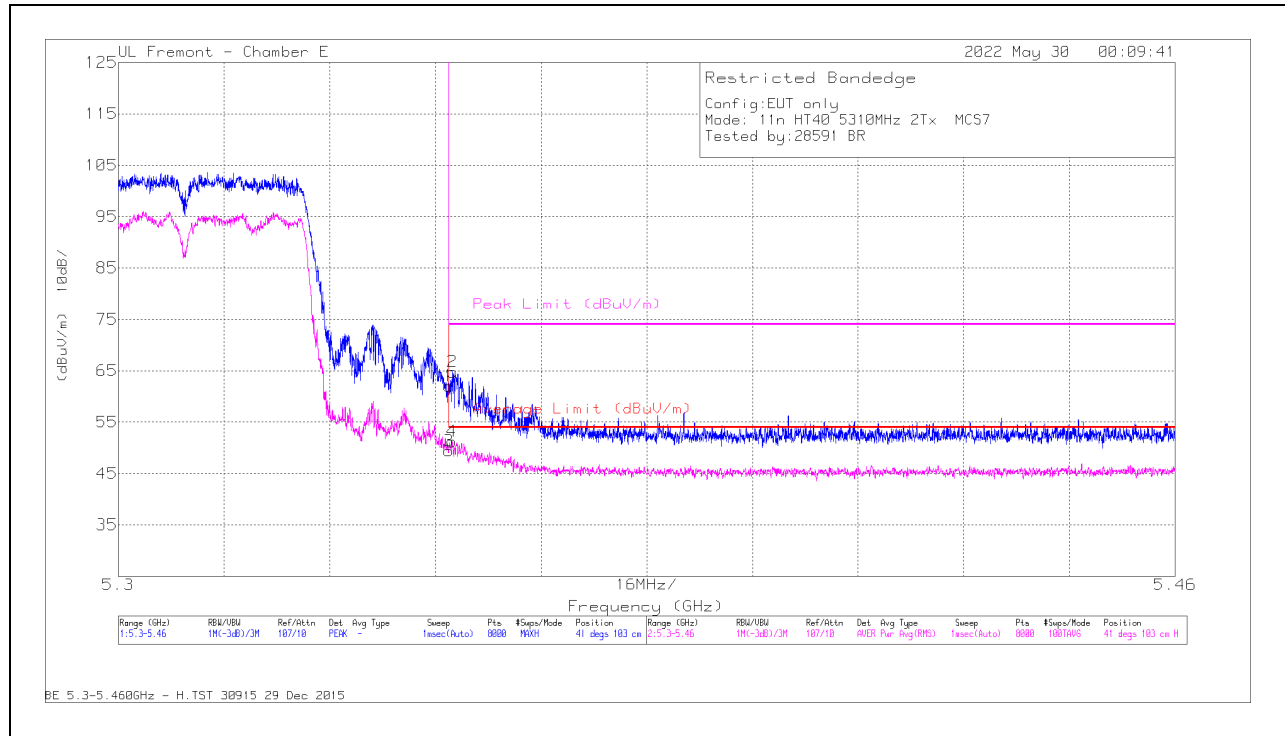
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.91	Pk	34.5	-20.9	0	61.51	-	-	74	-12.49	79	102	V
2	* 5.351628	51.58	Pk	34.5	-20.9	0	65.18	-	-	74	-8.82	79	102	V
3	* 5.35	32.93	RMS	34.5	-20.9	.89	47.42	54	-6.58	-	-	79	102	V
4	* 5.355268	35.47	RMS	34.5	-20.9	.89	49.96	54	-4.04	-	-	79	102	V

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

**2TX Antenna 6 + Antenna 5 CDD MODE**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

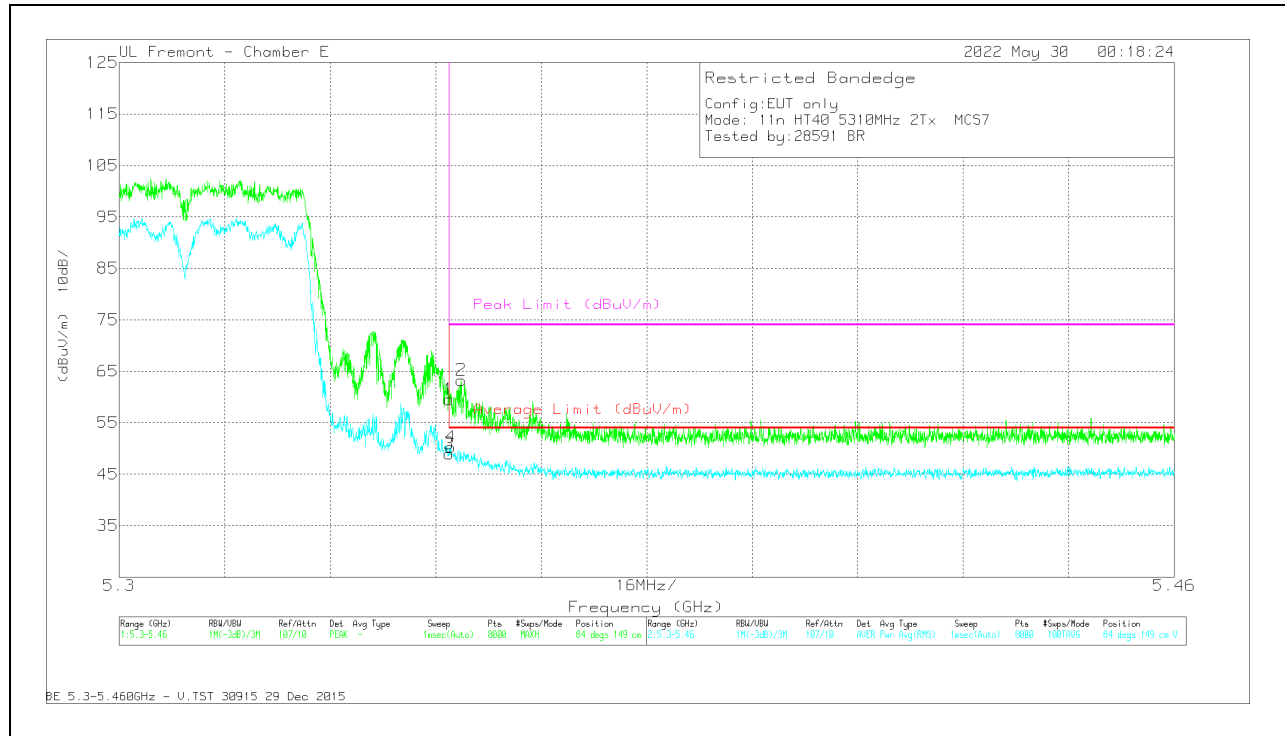


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	48.43	Pk	34.5	-20.9	0	62.03	-	-	74	-11.97	41	103	H
2	* 5.350608	51.2	Pk	34.5	-20.9	0	64.8	-	-	74	-9.2	41	103	H
3	* 5.35	34.93	RMS	34.5	-20.9	.89	49.42	54	-4.58	-	-	41	103	H
4	* 5.350528	36.74	RMS	34.5	-20.9	.89	51.23	54	-2.77	-	-	41	103	H

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



**VERTICAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.35	45.94	Pk	34.5	-20.9	0	59.54	-	-	74	-14.46	84	149	V
2	* 5.351868	49.67	Pk	34.5	-20.9	0	63.27	-	-	74	-10.73	84	149	V
3	* 5.35	34.45	RMS	34.5	-20.9	.89	48.94	54	-5.06	-	-	84	149	V
4	* 5.350268	35.77	RMS	34.5	-20.9	.89	50.26	54	-3.74	-	-	84	149	V

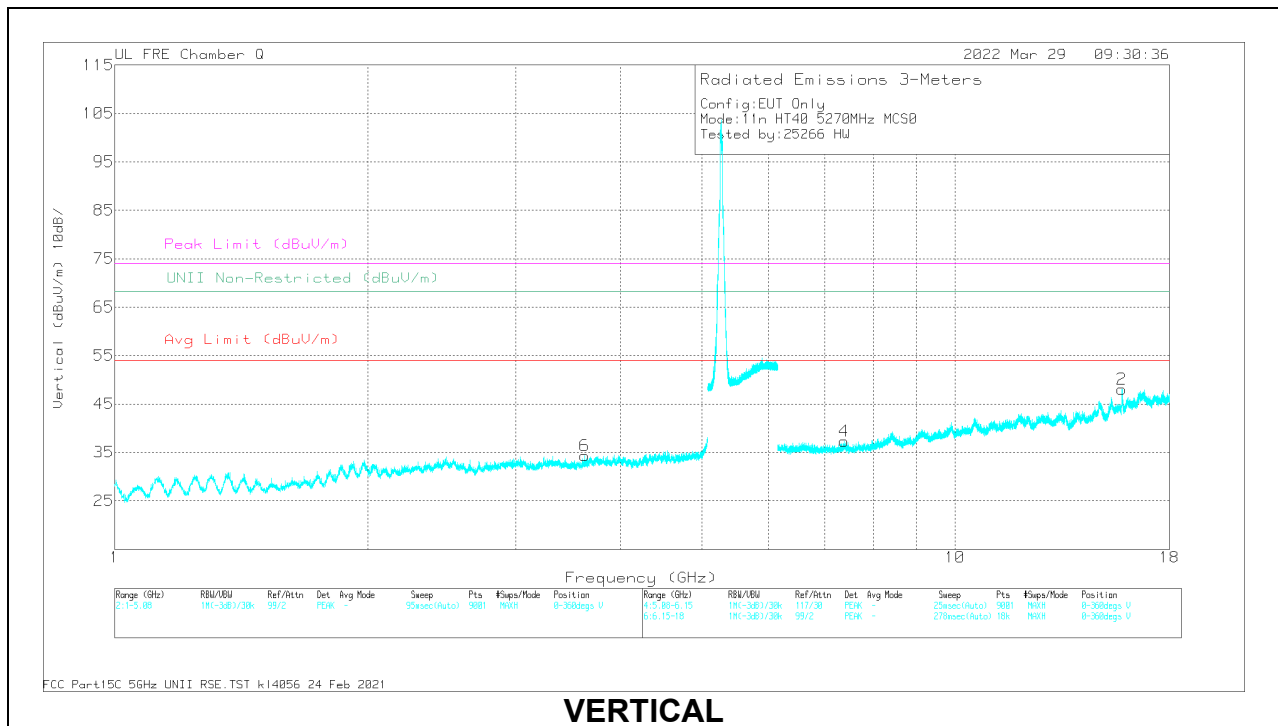
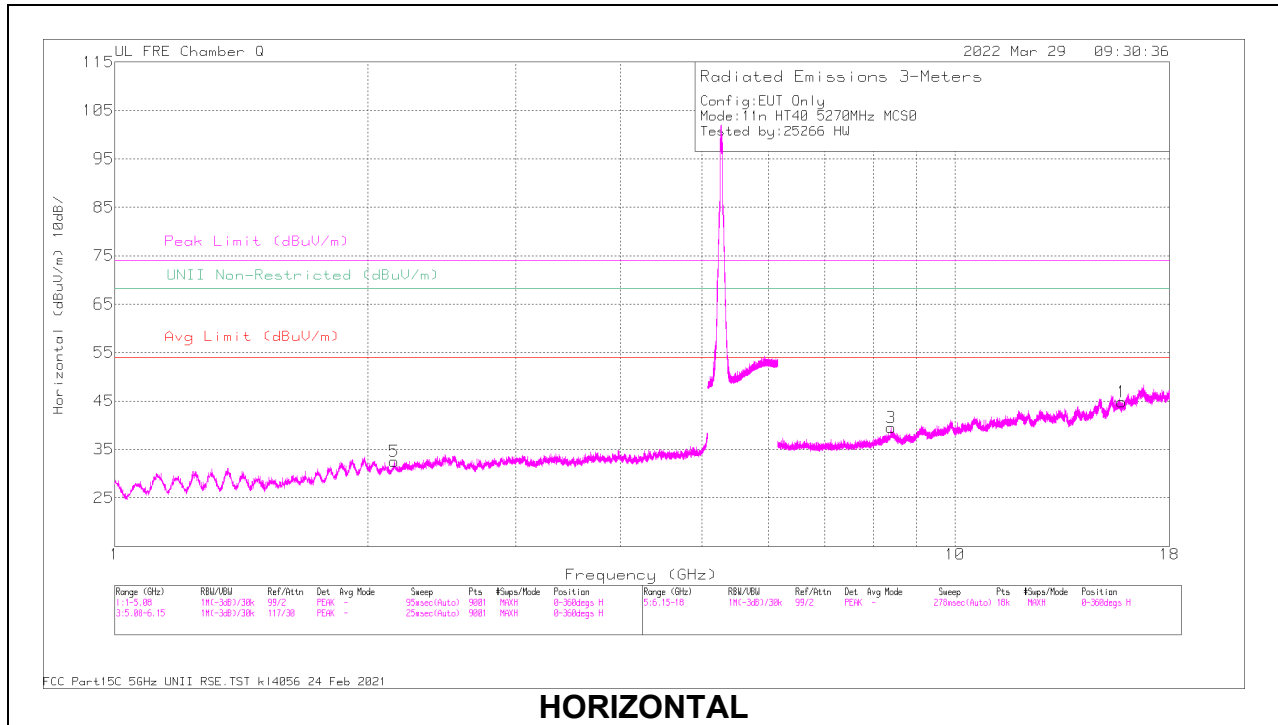
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS

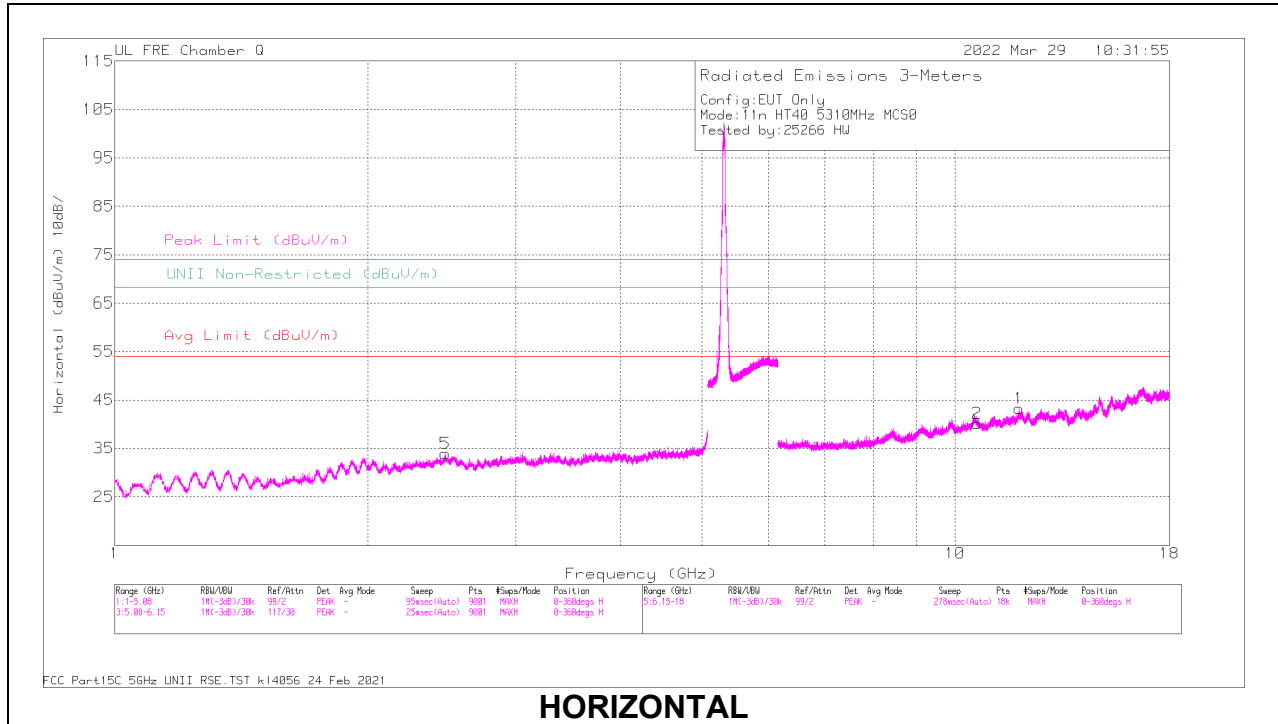


**RADIATED EMISSIONS**

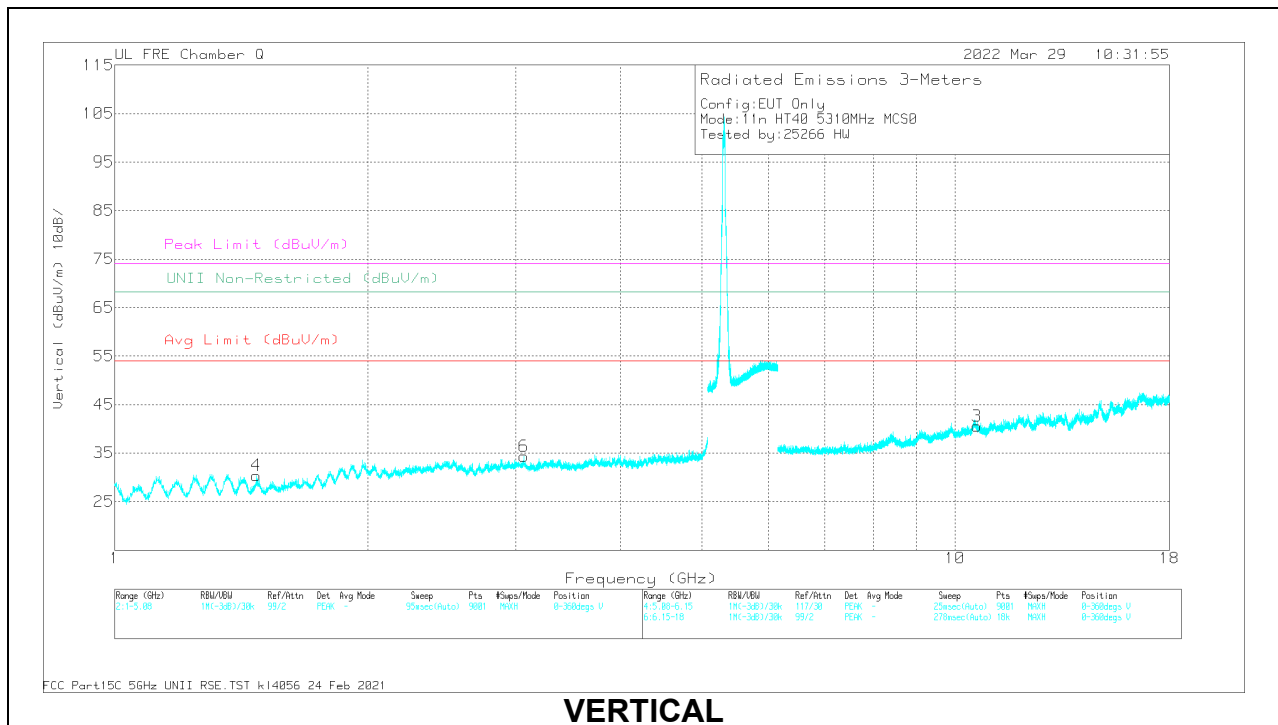
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	2.150249	54.93	PK-U	31.2	-44.1	0	42.03	-	-	-	-	-	-	20	186	H
6	3.627156	51.51	PK-U	33.1	-41.1	0	43.51	-	-	74	-30.49	-	-	349	106	V
	3.628523	39.66	ADR	33.1	-41.1	21	31.87	54	-22.13	-	-	-	-	349	106	V
4	7.380465	36.69	ADR	35.7	-37.5	21	35.1	54	-18.9	-	-	-	-	145	194	V
	7.381099	48.41	PK-U	35.7	-37.4	0	46.71	-	-	74	-27.29	-	-	145	194	V
3	8.401462	48.97	PK-U	35.9	-35.9	0	48.97	-	-	74	-25.03	-	-	144	237	H
	8.401748	37.13	ADR	35.9	-36	21	37.24	54	-16.76	-	-	-	-	144	237	H
2	15.801019	37.05	ADR	40.3	-33.7	21	43.86	54	-10.14	-	-	-	-	239	204	V
	15.801186	48.29	PK-U	40.3	-33.7	0	54.89	-	-	74	-19.11	-	-	239	204	V
1	15.803958	36.98	ADR	40.4	-33.7	21	43.89	54	-10.11	-	-	-	-	259	111	H
	15.804102	48.41	PK-U	40.4	-33.7	0	55.11	-	-	74	-18.89	-	-	259	111	H

PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**HIGH CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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)	LNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.475183	44.65	ADR	27.8	-44.8	-21	27.86	54	-26.14	-	-	-	-	124	243	V
	1.475939	56	PK-U	27.8	-44.8	0	39	-	-	74	-35	-	-	124	243	V
5	2.473246	55.03	PK-U	32.5	-43.8	0	43.73	-	-	-	-	68.2	-24.47	170	205	H
6	3.071769	52.81	PK-U	33	-42.4	0	43.41	-	-	-	-	68.2	-24.79	326	197	V
2	10.622391	46.69	PK-U	37.7	-34.4	0	49.99	-	-	74	-24.01	-	-	182	170	H
	10.623618	35.14	ADR	37.7	-34.4	-21	38.65	54	-15.35	-	-	-	-	182	170	H
3	10.627408	35.3	ADR	37.7	-34.5	-21	38.71	54	-15.29	-	-	-	-	41	136	V
	10.627644	47	PK-U	37.7	-34.5	0	50.2	-	-	74	-23.8	-	-	41	136	V
1	11.927541	47.89	PK-U	38.8	-34.8	0	51.89	-	-	74	-22.11	-	-	126	118	H
	11.928959	36.02	ADR	38.8	-34.8	-21	40.23	54	-13.77	-	-	-	-	126	118	H

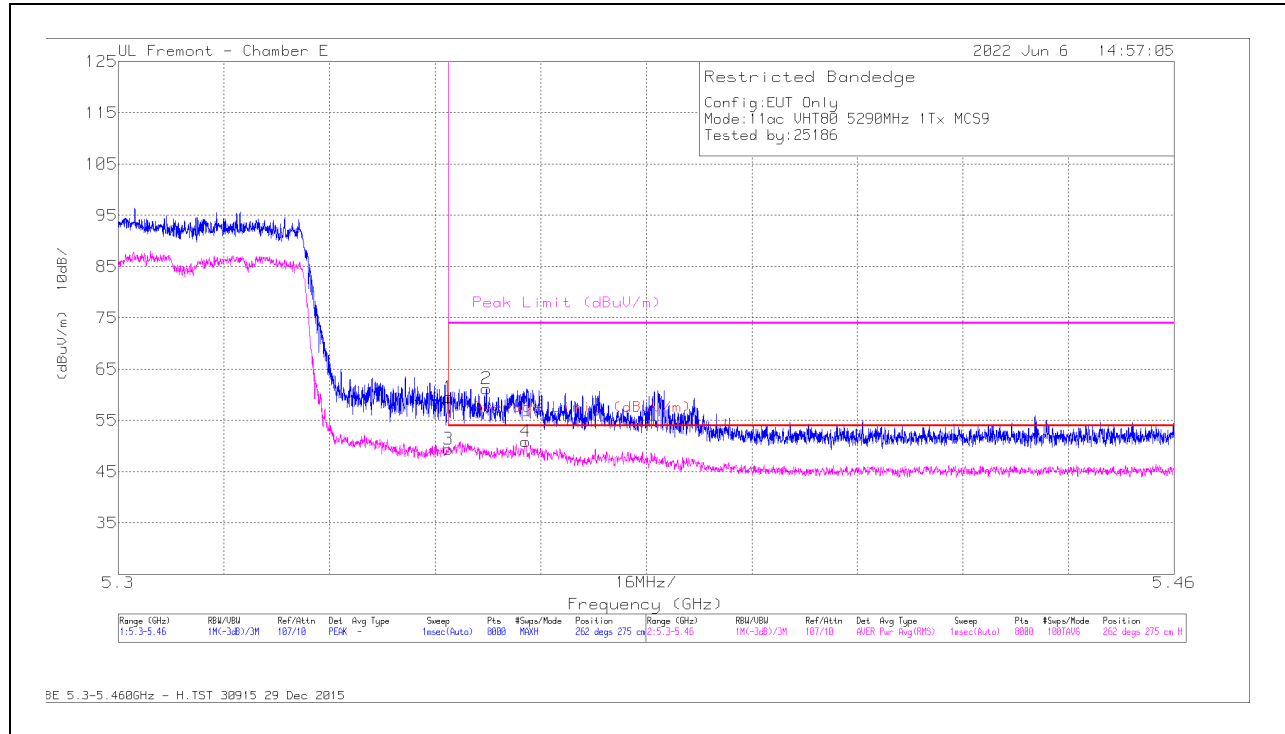
PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### 1.1.9. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 6

#### BANDEDGE (MID CHANNEL)

#### HORIZONTAL RESULT



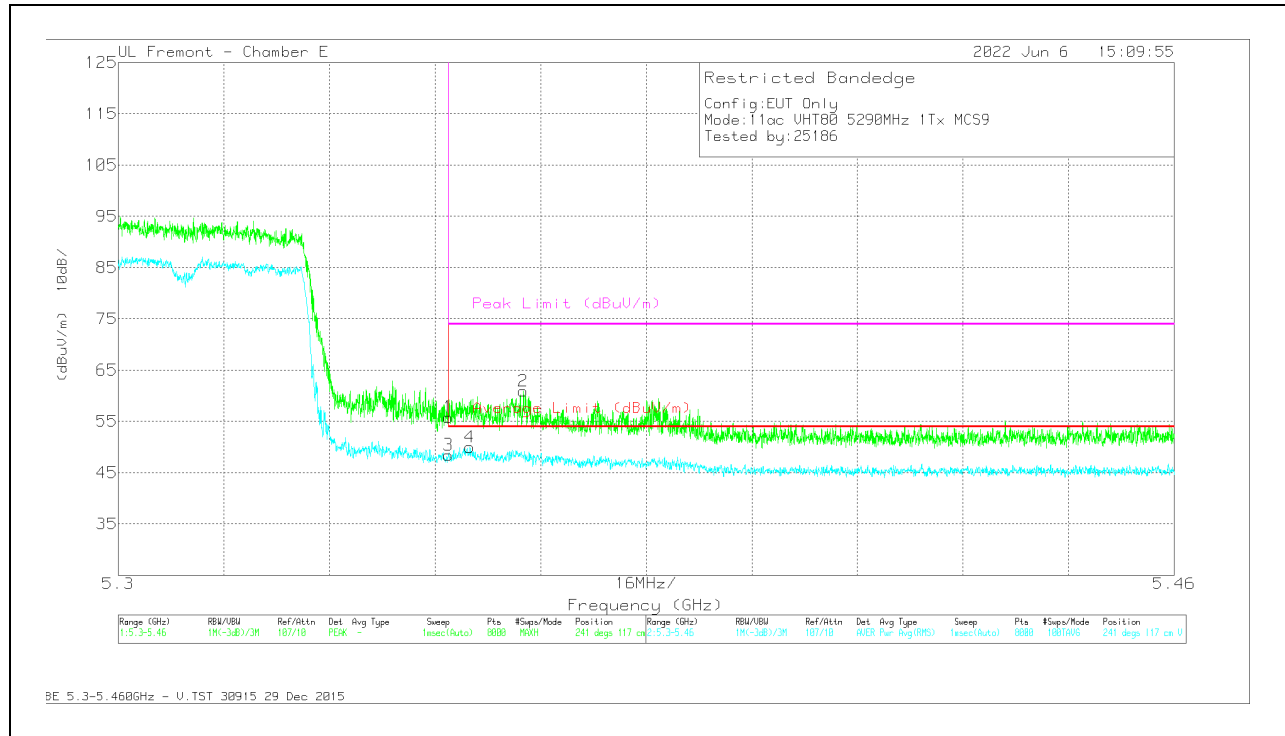
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.92	Pk	34.5	-20.9	0	59.52	-	-	74	-14.48	262	275	H
2	* 5.355788	47.62	Pk	34.5	-20.9	0	61.22	-	-	74	-12.78	262	275	H
3	* 5.35	34.74	RMS	34.5	-20.9	1.28	49.62	54	-4.38	-	-	262	275	H
4	* 5.361749	36.23	RMS	34.5	-20.9	1.28	51.11	54	-2.89	-	-	262	275	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



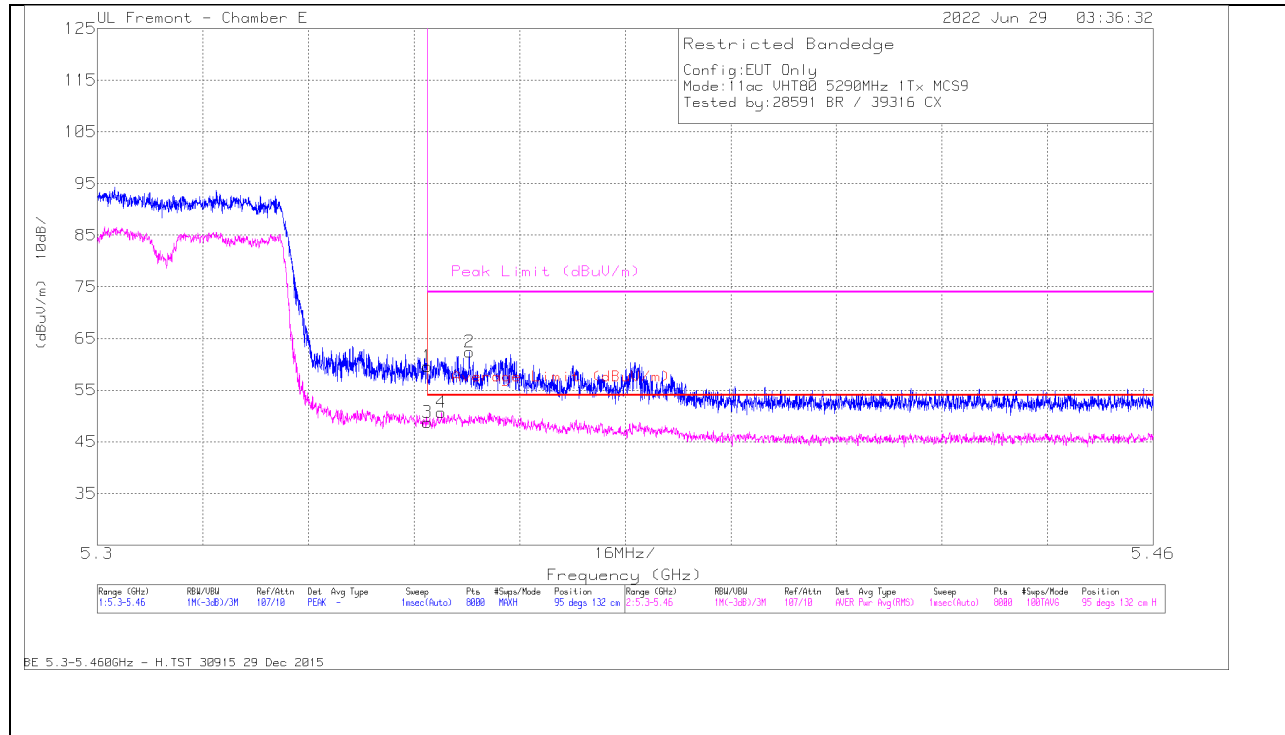
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.2	Pk	34.5	-20.9	0	55.8	-	-	74	-18.2	241	117	V
2	* 5.361369	47.3	Pk	34.5	-20.9	0	60.9	-	-	74	-13.1	241	117	V
3	* 5.35	33.75	RMS	34.5	-20.9	1.28	48.63	54	-5.37	-	-	241	117	V
4	* 5.353288	35.29	RMS	34.5	-20.9	1.28	50.17	54	-3.83	-	-	241	117	V

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

**1TX Antenna 5**

**BANDEDGE (MID CHANNEL)**

**HORIZONTAL RESULT**

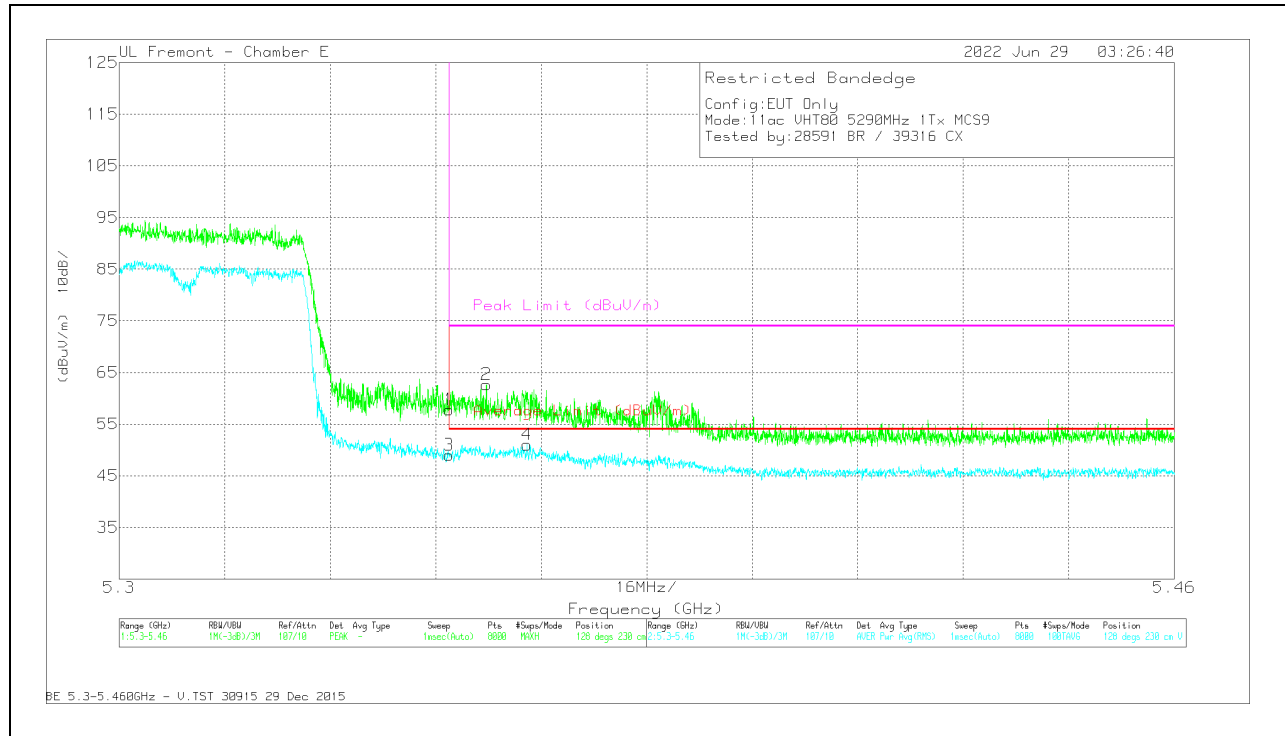


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.99	PK	34.5	-20.9	0	59.59	-	-	74	-14.41	95	132	H
2	* 5.356388	48.81	PK	34.5	-20.9	0	62.41	-	-	74	-11.59	95	132	H
3	* 5.35	34.09	RMS	34.5	-20.9	1.28	48.97	54	-5.03	-	-	95	132	H
4	* 5.352128	35.98	RMS	34.5	-20.9	1.28	50.86	54	-3.14	-	-	95	132	H

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



**VERTICAL RESULT**



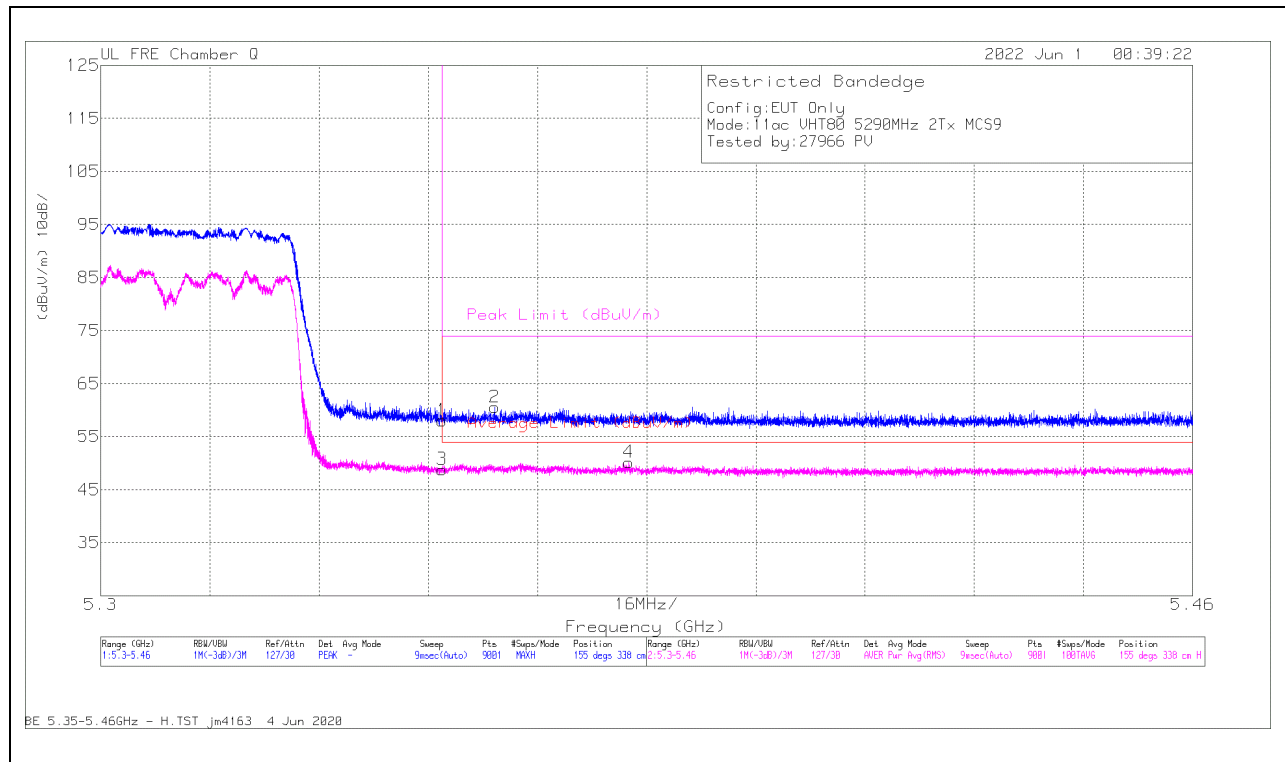
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.19	Pk	34.5	-20.9	0	57.79	-	-	74	-16.21	128	230	V
2	* 5.355688	49.07	Pk	34.5	-20.9	0	62.67	-	-	74	-11.33	128	230	V
3	* 5.35	34.31	RMS	34.5	-20.9	1.28	49.19	54	-4.81	-	-	128	230	V
4	* 5.361829	36.33	RMS	34.5	-20.9	1.28	51.21	54	-2.79	-	-	128	230	V

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

**2TX Antenna 6 + Antenna 5 CDD MODE**

**BANDEDGE (MID CHANNEL)**

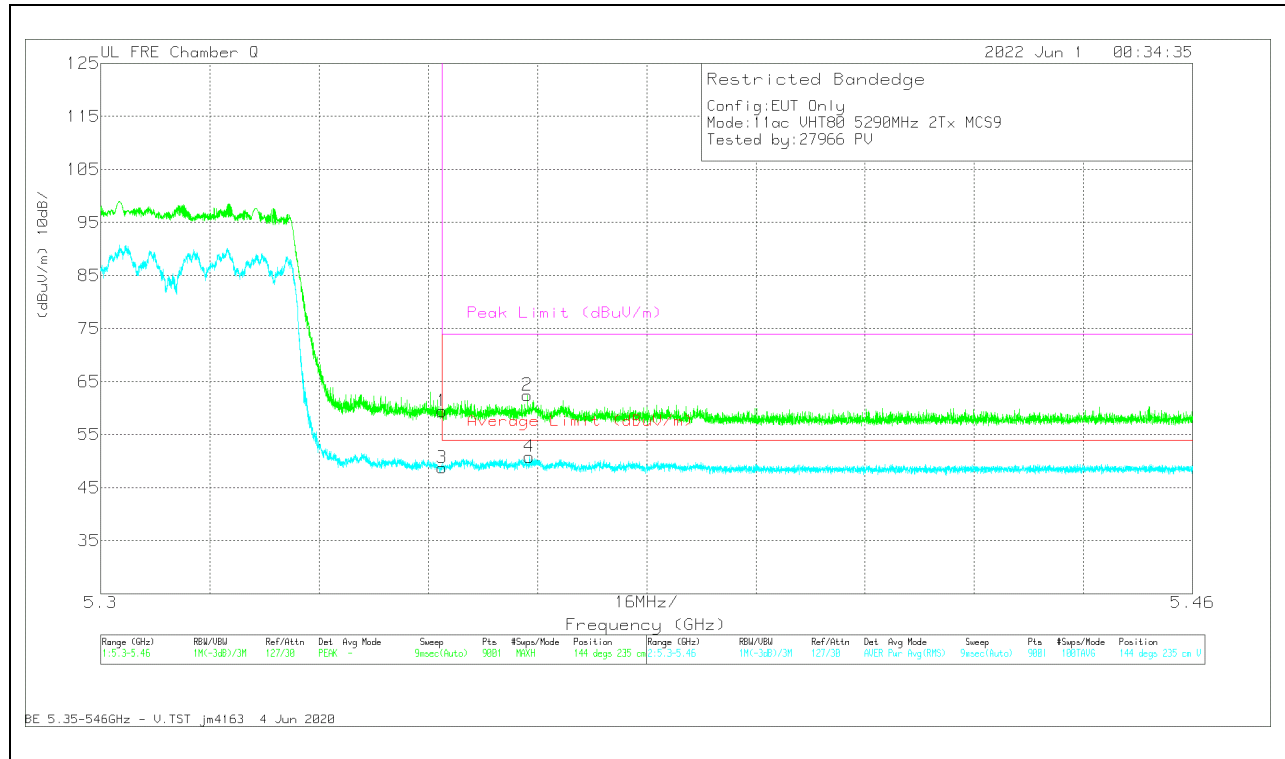
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/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	5.35	54.36	PK	34.5	-30.8	0	58.06	-	-	74	-15.94	155	338	H
2	5.357743	56.84	PK	34.5	-30.8	0	60.54	-	-	74	-13.46	155	338	H
3	5.35	43.83	RMS	34.5	-30.8	1.28	48.81	54	-5.19	-	-	155	338	H
4	5.377352	45.05	RMS	34.5	-30.7	1.28	50.13	54	-3.87	-	-	155	338	H

PK - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**

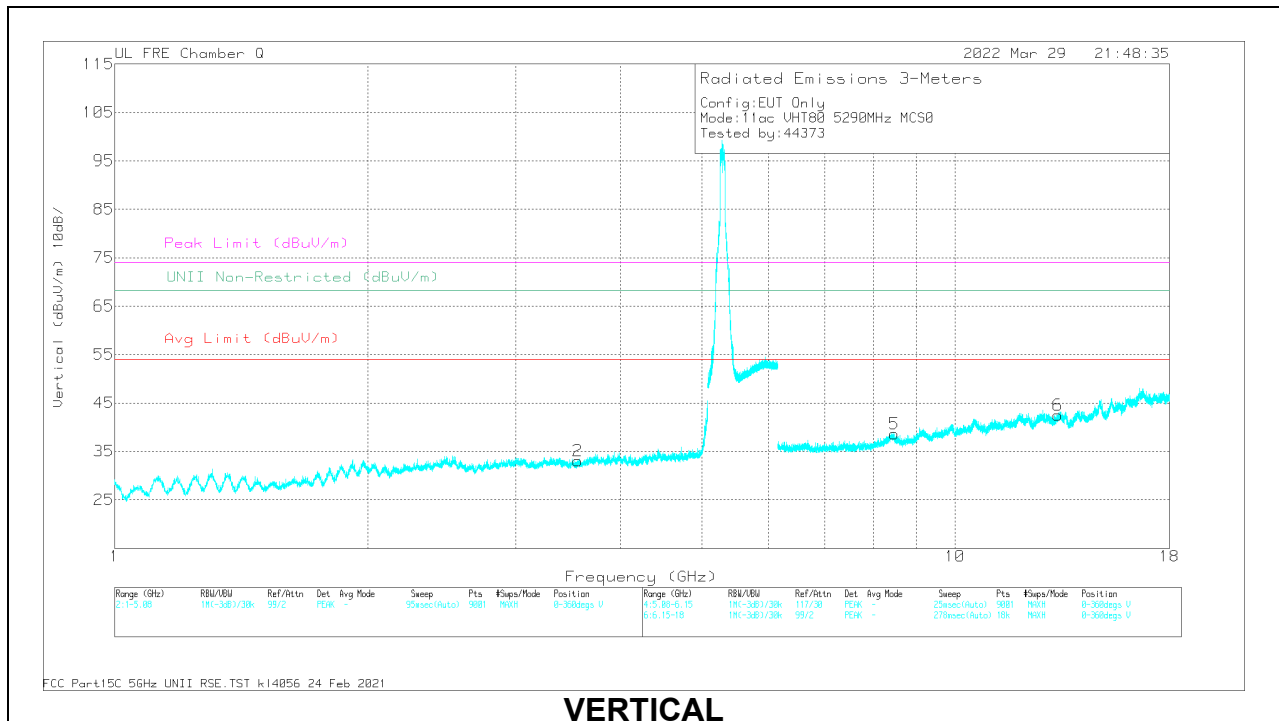
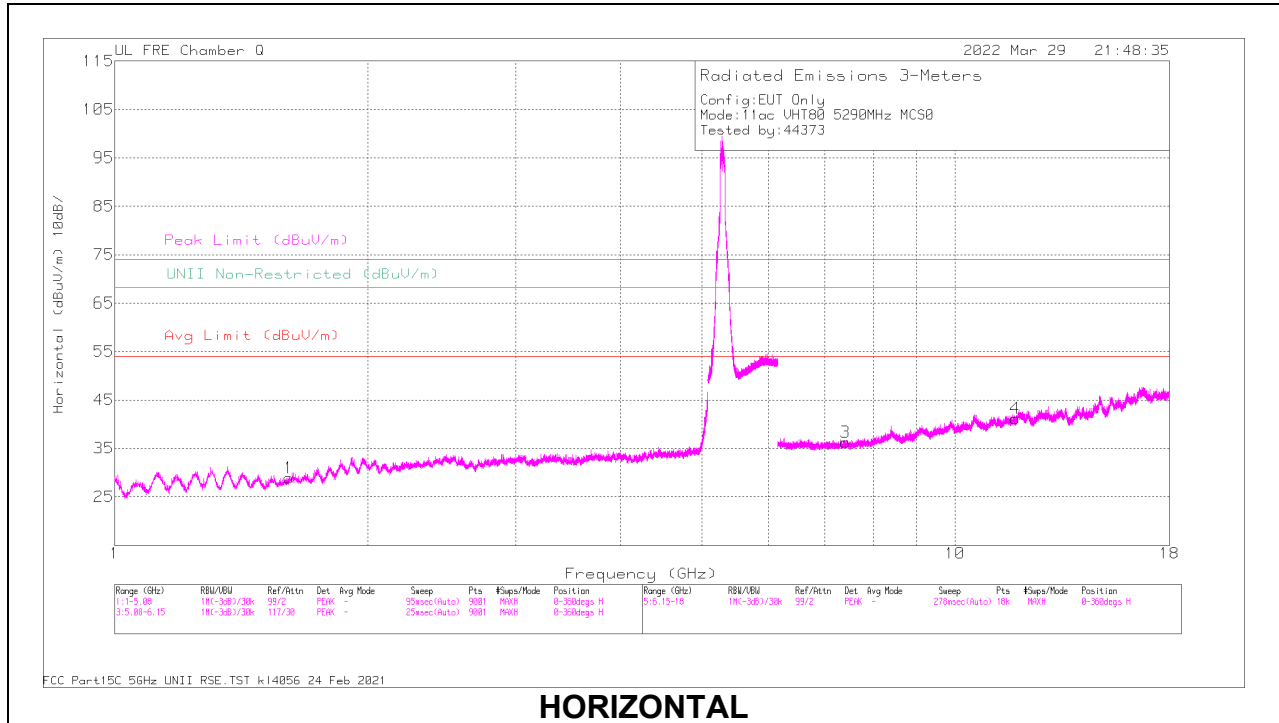


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	55.7	Pk	34.5	-30.8	0	59.4	-	-	74	-14.6	144	235	V
2	5.36249	58.72	Pk	34.5	-30.8	0	62.42	-	-	74	-11.58	144	235	V
3	5.35	43.79	RMS	34.5	-30.8	1.28	48.77	54	-5.21	-	-	144	235	V
4	5.36281	45.84	RMS	34.5	-30.8	1.28	50.82	54	-3.16	-	-	144	235	V

Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## MID CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.612813	55.03	PK-U	28.2	-44.6	0	38.63	-	-	74	-35.37	79	217	H
	* 1.61214	43.93	ADR	28.2	-44.5	.35	27.98	54	-26.02	-	-	79	217	H
2	* 3.555718	50.99	PK-U	33.1	-41	0	43.09	-	-	74	-30.91	120	181	V
	* 3.555019	39.29	ADR	33.1	-41	.35	31.74	54	-22.26	-	-	120	181	V
3	* 7.402056	48.62	PK-U	35.7	-37.4	0	46.92	-	-	74	-27.08	215	170	H
	* 7.39962	36.56	ADR	35.7	-37.4	.35	35.21	54	-18.79	-	-	215	170	H
4	* 11.794632	48.04	PK-U	38.6	-34.7	0	51.94	-	-	74	-22.06	102	183	H
	* 11.795841	36.62	ADR	38.6	-34.7	.35	40.87	54	-13.13	-	-	102	183	H
5	* 8.466908	47.98	PK-U	35.9	-35.8	0	48.08	-	-	74	-25.92	228	230	V
	* 8.469765	36.48	ADR	35.9	-35.8	.35	36.93	54	-17.07	-	-	228	230	V
6	* 13.264448	47.16	PK-U	39.1	-33.6	0	52.66	-	-	74	-21.34	277	189	V
	* 13.26437	35.19	ADR	39.1	-33.6	.35	41.04	54	-12.96	-	-	277	189	V

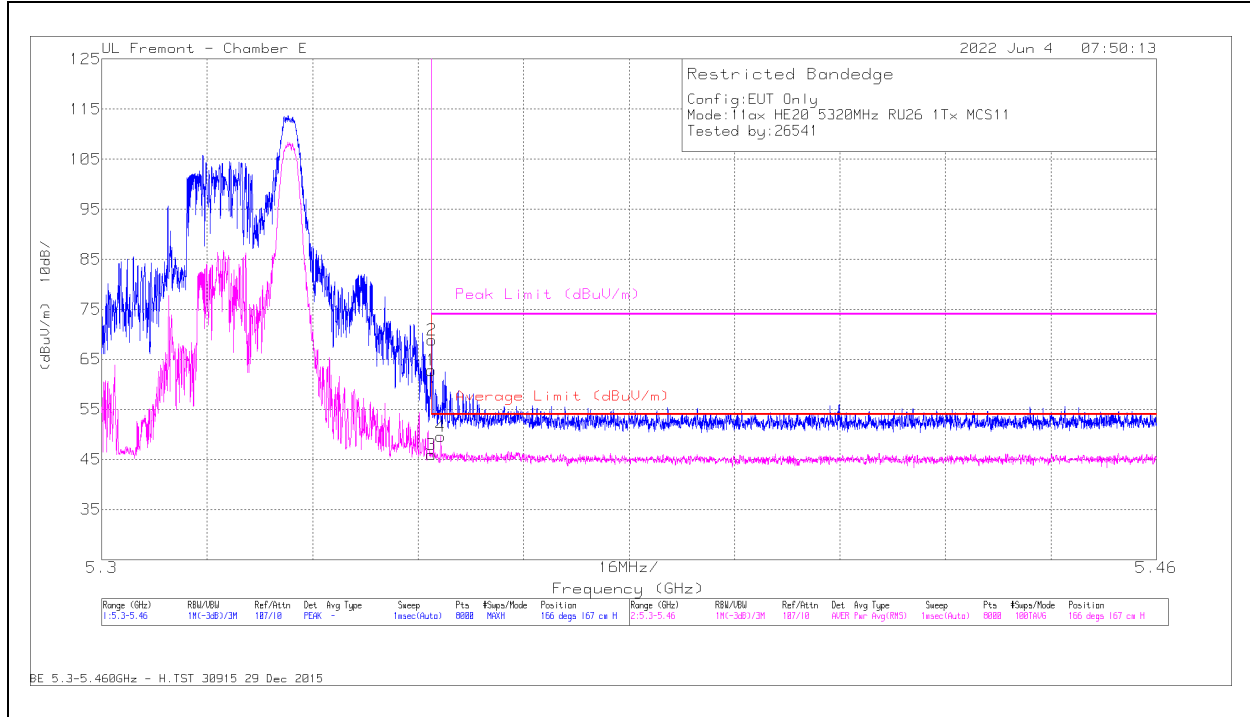
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

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

#### 1TX Antenna 6 MODE: 26-Tones, RU Index 8

#### BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL RESULT



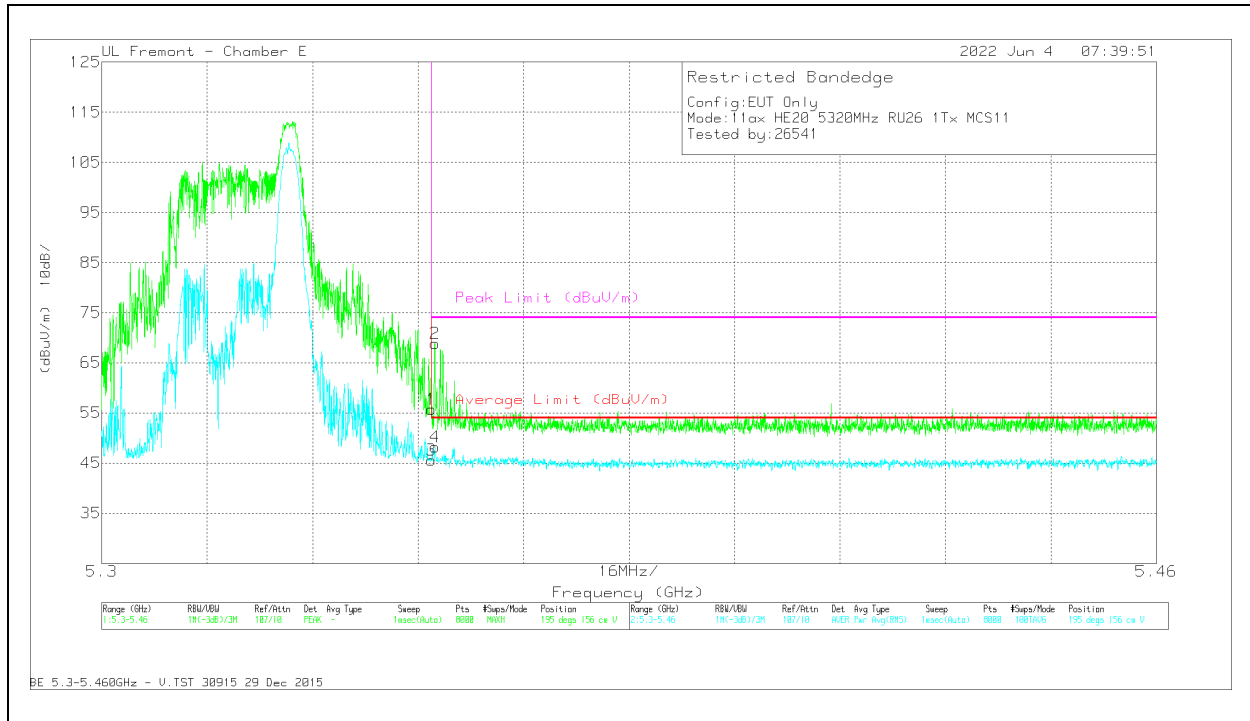
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	49.2	PK	34.5	-20.9	0	62.8	-	-	74	-11.2	166	167	H
2	* 5.350048	55.22	PK	34.5	-20.9	0	68.82	-	-	74	-5.18	166	167	H
3	* 5.35	31.94	RMS	34.5	-20.9	.46	46.00	54	-8.00	-	-	166	167	H
4	* 5.351448	35.47	RMS	34.5	-20.9	.46	49.53	54	-4.47	-	-	166	167	H

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

PK - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



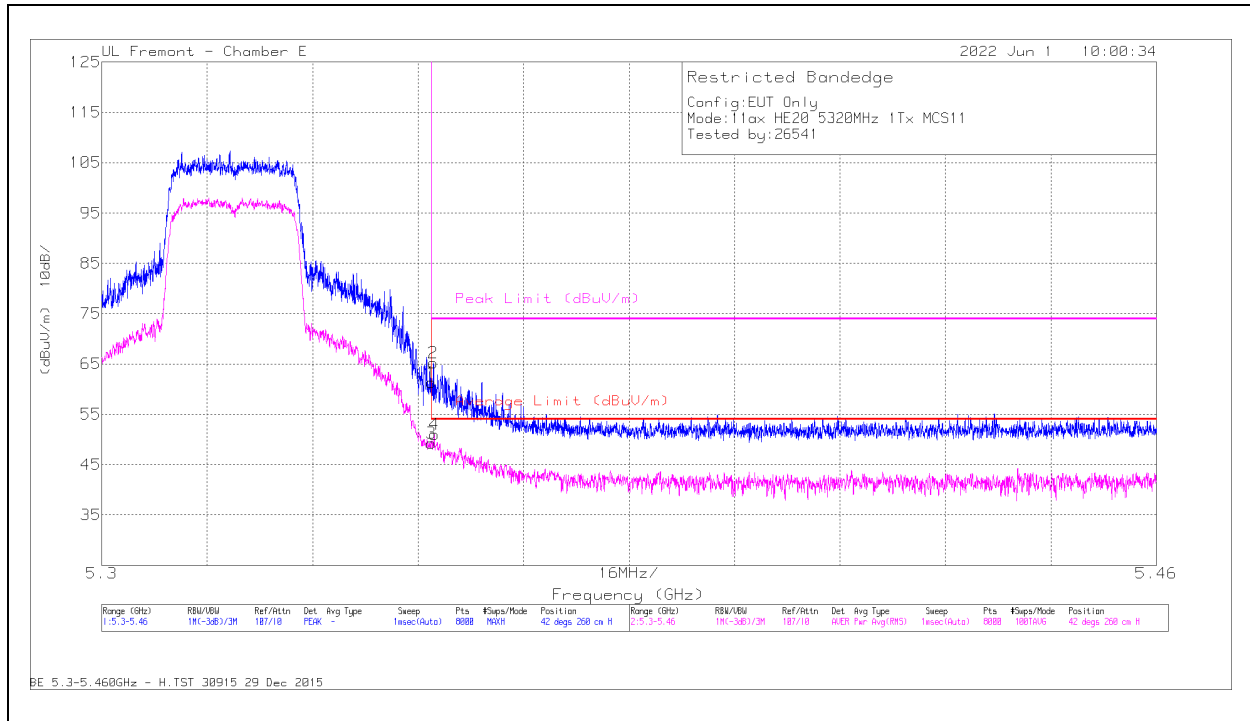
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.07	Pk	34.5	-20.9	0	55.67	-	-	74	-18.33	195	156	V
2	* 5.350528	55.27	Pk	34.5	-20.9	0	68.87	-	-	74	-5.13	195	156	V
3	* 5.35	31.48	RMS	34.5	-20.9	.46	45.54	54	-8.46	-	-	195	156	V
4	* 5.350568	34.14	RMS	34.5	-20.9	.46	48.20	54	-5.80	-	-	195	156	V

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

**1TX Antenna 6 MODE: SU, Single User**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

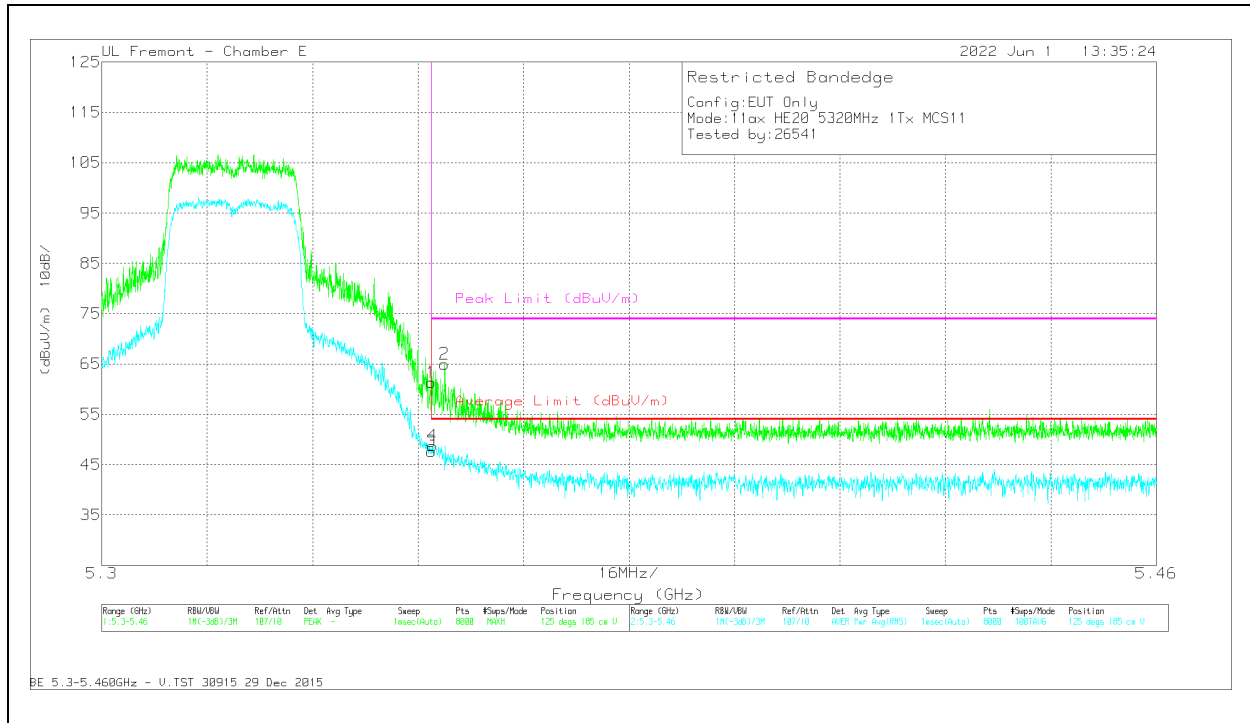


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.7	Pk	34.5	-20.9	0	61.3	-	-	74	-12.7	42	260	H
2	* 5.350328	51.6	Pk	34.5	-20.9	0	65.2	-	-	74	-8.8	42	260	H
3	* 5.35	35.05	RMS	34.5	-20.9	.61	49.26	54	-4.74	-	-	42	260	H
4	* 5.350448	36.76	RMS	34.5	-20.9	.61	50.97	54	-3.03	-	-	42	260	H

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



**VERTICAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (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	* 5.35	47.76	Pk	34.5	-20.9	0	61.36	-	-	74	-12.64	125	185	V
2	* 5.352008	51.42	Pk	34.5	-20.9	0	65.02	-	-	74	-8.98	125	185	V
3	* 5.35	33.46	RMS	34.5	-20.9	.61	47.67	54	-6.33	-	-	125	185	V
4	* 5.350148	34.58	RMS	34.5	-20.9	.61	48.79	54	-5.21	-	-	125	185	V

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