



TEST REPORT

Report Number: 14040867-E5V3 & E6V3

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

Model : A2649 (Parent Model, Full Test)
A2881, A2882, A2883, A2884 (Variant Models)

FCC ID : BCG-E8138A (Parent Model)
BCG-E8142A, BCG-E8143A, BCG-E8144A (Variant Models)

IC : 579C-E8138A (Parent Model)
579C-E8142A, 579C-E8143A, 579C-E8144A (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

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	6/27/2022	Initial Issue	Frank Ibrahim
V2	7/7/2022	Addressed TCB Question on Section 1.2.4, 1.2.5, 1.2.20, 1.2.24	Tony X. Li
V3	8/08/2022	Addressed TCB Question on Section 1.2 Radiated Plot Labels	Alfonso Sanchez

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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. ON TIME AND DUTY CYCLE**LIMITS**

None; for reporting purposes only.

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

	B (msec)	(msec)	x (linear)	Cycle (%)	Correction Factor (dB)	Minimum VBW (kHz)
5GHz Band						
802.11n HT20 MCS0	0.982	1.008	0.975	97.47%	0.11	1.018
802.11n HT20 MCS7	0.136	0.157	0.867	86.65%	0.62	7.369
802.11n HT40 MCS0	0.496	0.518	0.958	95.75%	0.19	2.016
802.11n HT40 MCS7	0.088	0.108	0.815	81.51%	0.89	11.360
802.11ac VHT80 MCS0	0.256	0.280	0.914	91.43%	0.39	3.906
802.11ac VHT80 MCS9	0.060	0.080	0.741	74.14%	1.30	16.798
802.11ax HE20 RU26, MCS0	4.000	4.032	0.992	99.21%	0.00	0.010
802.11ax HE20 RU26, MCS11	0.293	0.325	0.899	89.92%	0.46	3.419
802.11ax HE40 RU26, MCS0	3.984	4.040	0.986	98.61%	0.00	0.010
802.11ax HE40 RU26, MCS11	0.292	0.326	0.897	89.68%	0.47	3.423
802.11ax HE80 RU26, MCS0	4.000	4.050	0.988	98.77%	0.00	0.010
802.11ax HE80 RU26, MCS11	0.293	0.325	0.901	90.06%	0.45	3.418

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
5GHz Band						
802.11ax HE20 SU, MCS0	1.487	1.511	0.984	98.42%	0.00	0.010
802.11ax HE20 SU, MCS11	0.146	0.168	0.872	87.25%	0.59	6.834
802.11ax HE40 SU, MCS0	0.772	0.794	0.972	97.23%	0.12	1.295
802.11ax HE40 SU, MCS11	0.101	0.122	0.832	83.24%	0.80	9.872
802.11ax HE80 SU, MCS0	0.401	0.423	0.948	94.80%	0.23	2.494
802.11ax HE80 SU, MCS11	0.082	0.103	0.799	79.90%	0.97	12.176
802.11n HT20 SDM MCS0	0.992	1.015	0.977	97.72%	0.10	1.008
802.11n HT40 SDM MCS0	0.499	0.521	0.958	95.77%	0.19	2.005
802.11ac VHT80 SDM MCS0	0.255	0.280	0.910	90.98%	0.41	3.920
802.11ax HE20 RU26 SDM MCS0	4.000	4.030	0.993	99.26%	0.00	0.010
802.11ax HE40 RU26 SDM MCS0	3.960	4.020	0.985	98.51%	0.00	0.010
802.11ax HE80 RU26 SDM MCS0	3.960	4.030	0.983	98.26%	0.00	0.010
802.11ax HE20 SU SDM MCS0	0.779	0.805	0.968	96.77%	0.14	1.284
802.11ax HE40 SU SDM MCS0	0.419	0.444	0.945	94.45%	0.25	2.387
802.11ax HE80 SU SDM MCS0	0.239	0.261	0.914	91.35%	0.39	4.188

Note: For duty cycle plots, please refer to 14040867-E5V1 conducted report.

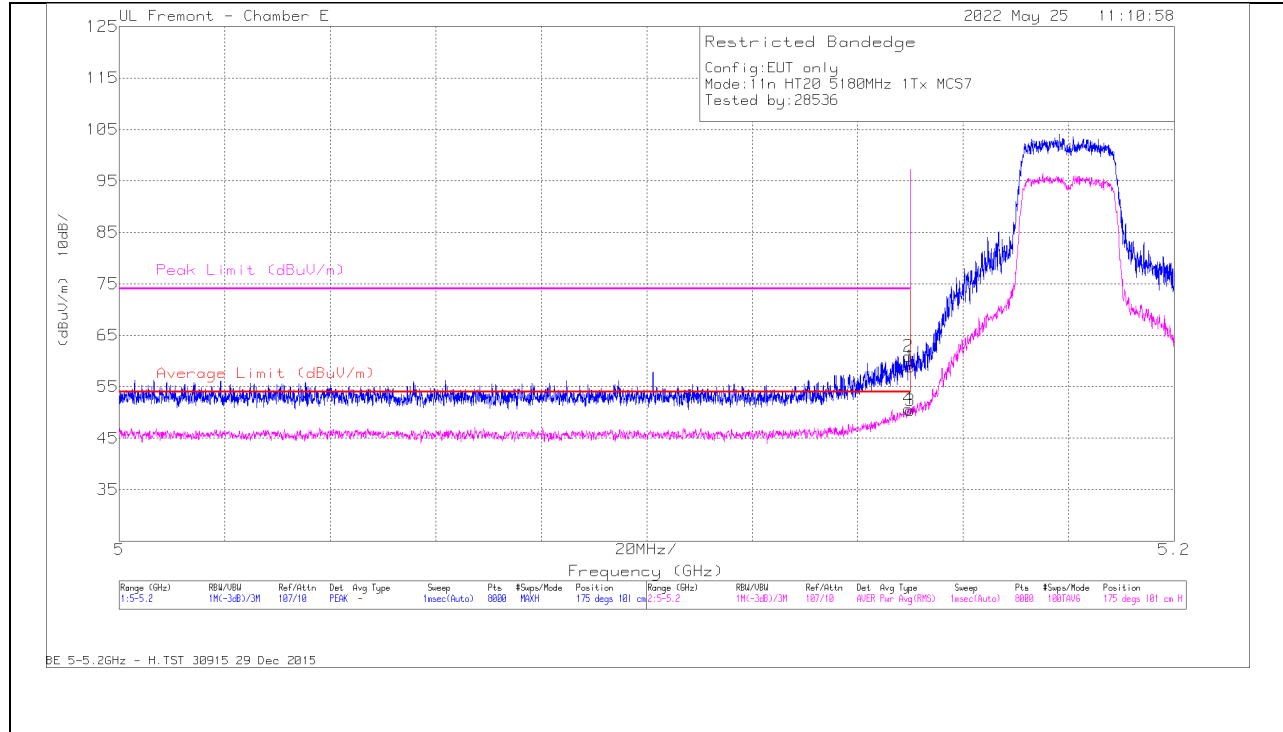
1.2. 7TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 6

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

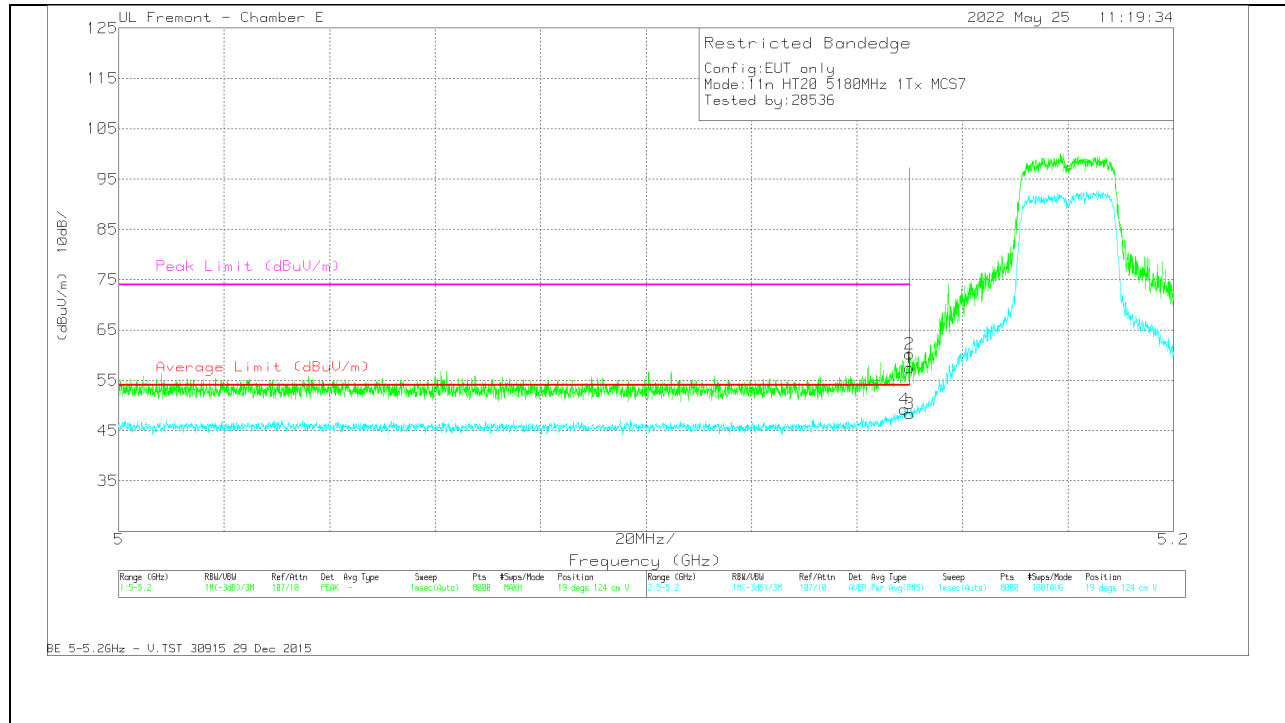


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.79	Pk	34.5	-21.4	0	58.89	-	-	74	-15.11	175	101	H
2	* 5.149643	47.83	Pk	34.5	-21.4	0	60.93	-	-	74	-13.07	175	101	H
3	* 5.15	36.86	RMS	34.5	-21.4	.62	50.58	54	-3.42	-	-	175	101	H
4	* 5.149643	37.17	RMS	34.5	-21.4	.62	50.89	54	-3.11	-	-	175	101	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.34	Pk	34.5	-21.4	0	57.44	-	-	74	-16.56	19	124	V
2	* 5.149943	47.08	Pk	34.5	-21.4	0	60.18	-	-	74	-13.82	19	124	V
3	* 5.15	34.9	RMS	34.5	-21.4	.62	48.62	54	-5.38	-	-	19	124	V
4	* 5.149068	35.71	RMS	34.5	-21.4	.62	49.43	54	-4.57	-	-	19	124	V

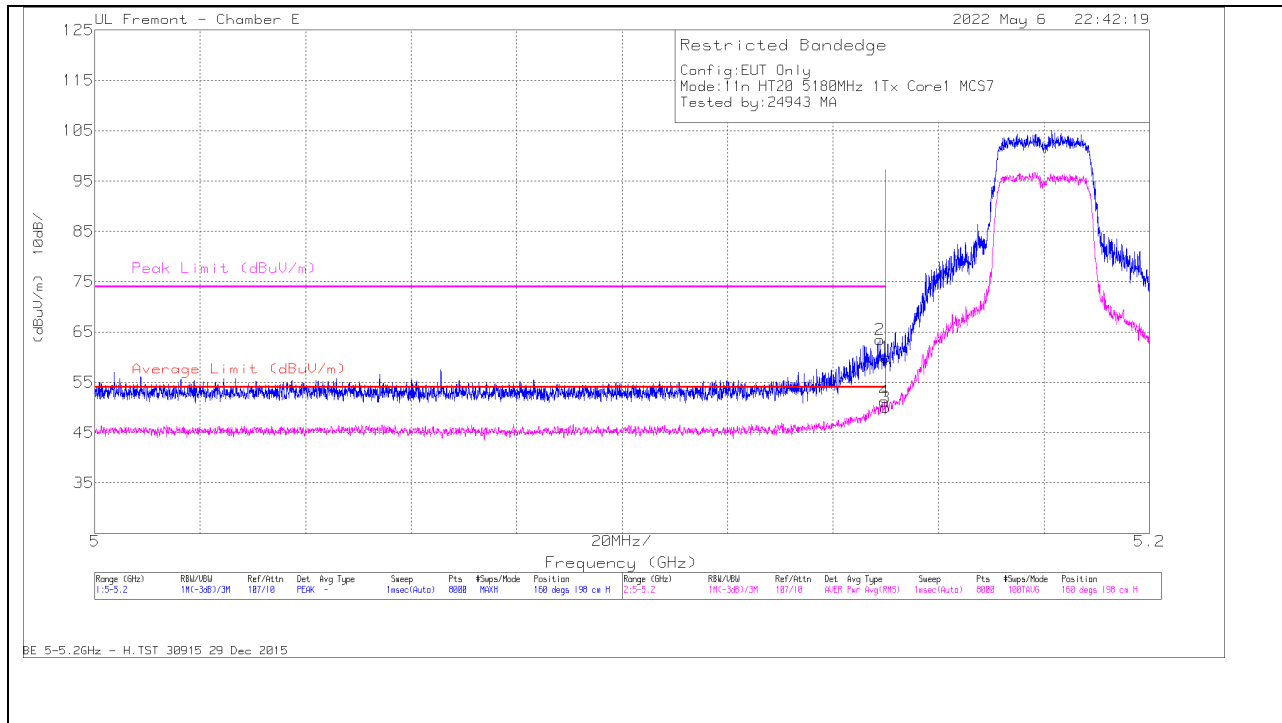
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



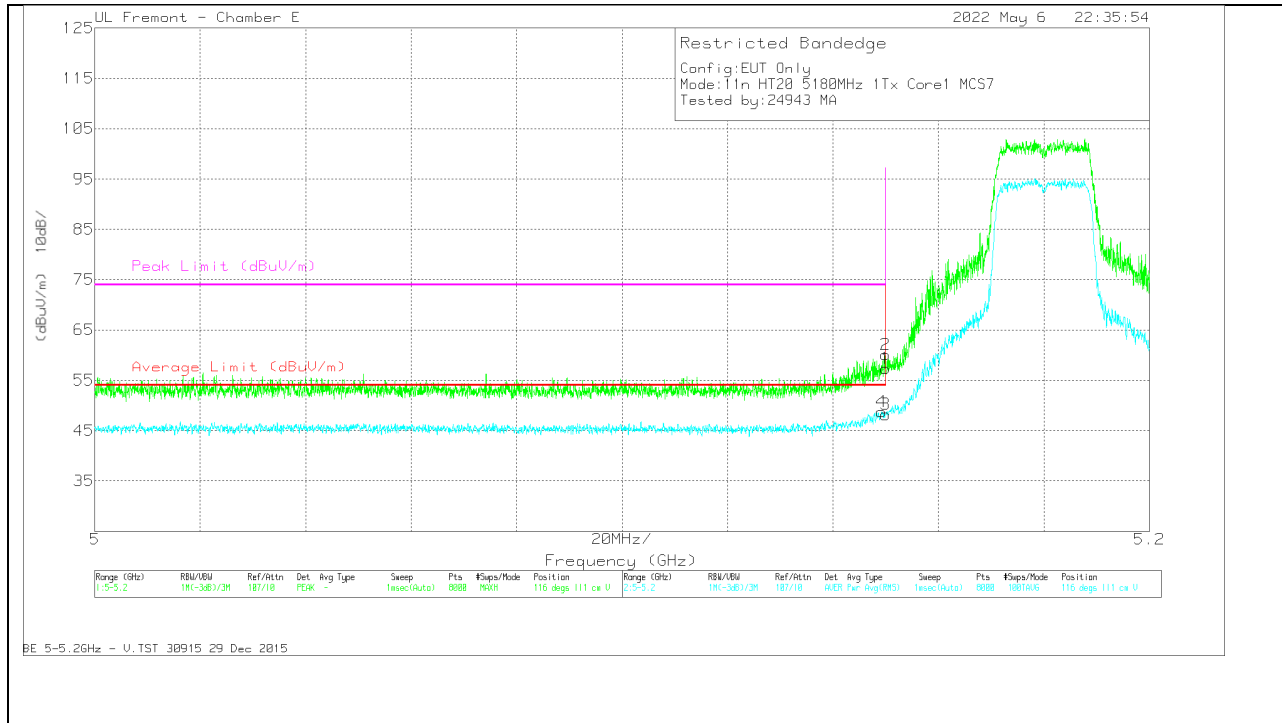
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.87	Pk	34.5	-21.4	0	59.97	-	-	74	-14.03	160	198	H
2	* 5.148918	50.36	Pk	34.5	-21.4	0	63.46	-	-	74	-10.54	160	198	H
3	* 5.15	36.49	RMS	34.5	-21.4	.62	50.21	54	-3.79	-	-	160	198	H
4	* 5.149768	37.76	RMS	34.5	-21.4	.62	51.48	54	-2.52	-	-	160	198	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/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.27	Pk	34.5	-21.4	0	57.37	-	-	74	-16.63	116	111	V
2	* 5.149918	47.05	Pk	34.5	-21.4	0	60.15	-	-	74	-13.85	116	111	V
3	* 5.15	34.72	RMS	34.5	-21.4	.62	48.44	54	-5.56	-	-	116	111	V
4	* 5.149193	35.32	RMS	34.5	-21.4	.62	49.04	54	-4.96	-	-	116	111	V

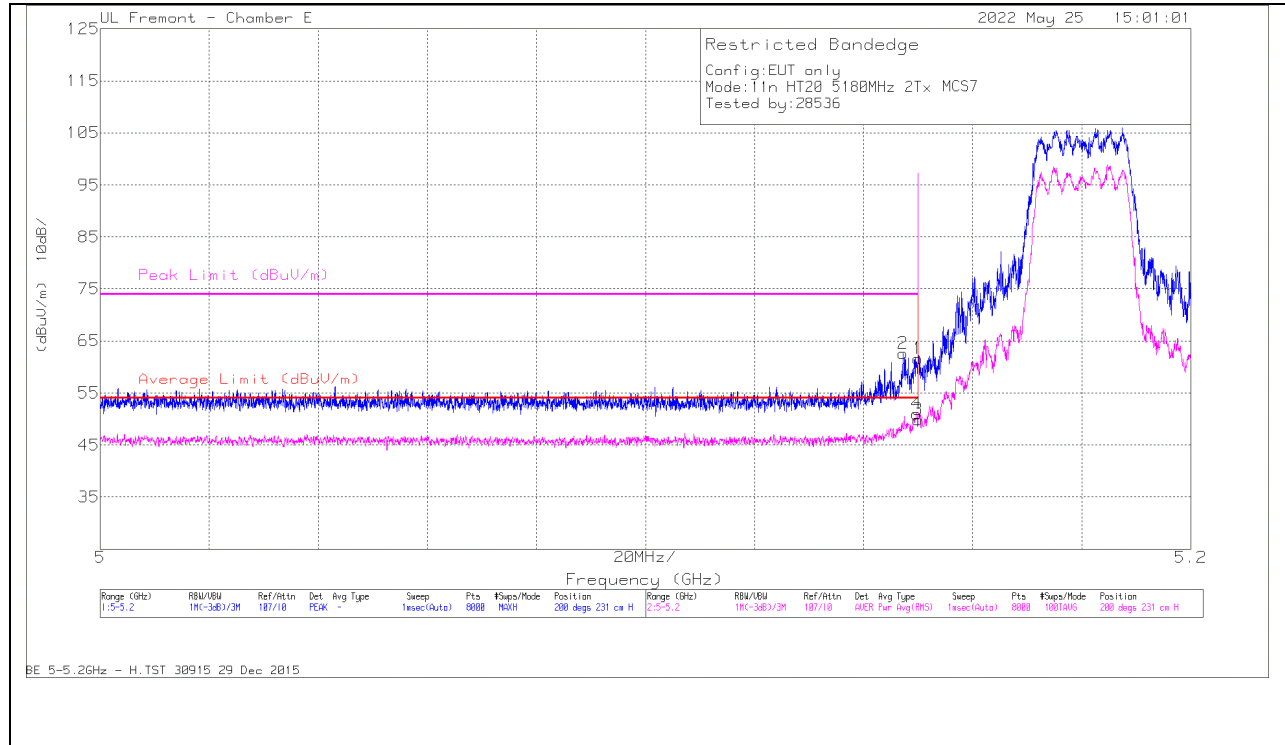
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

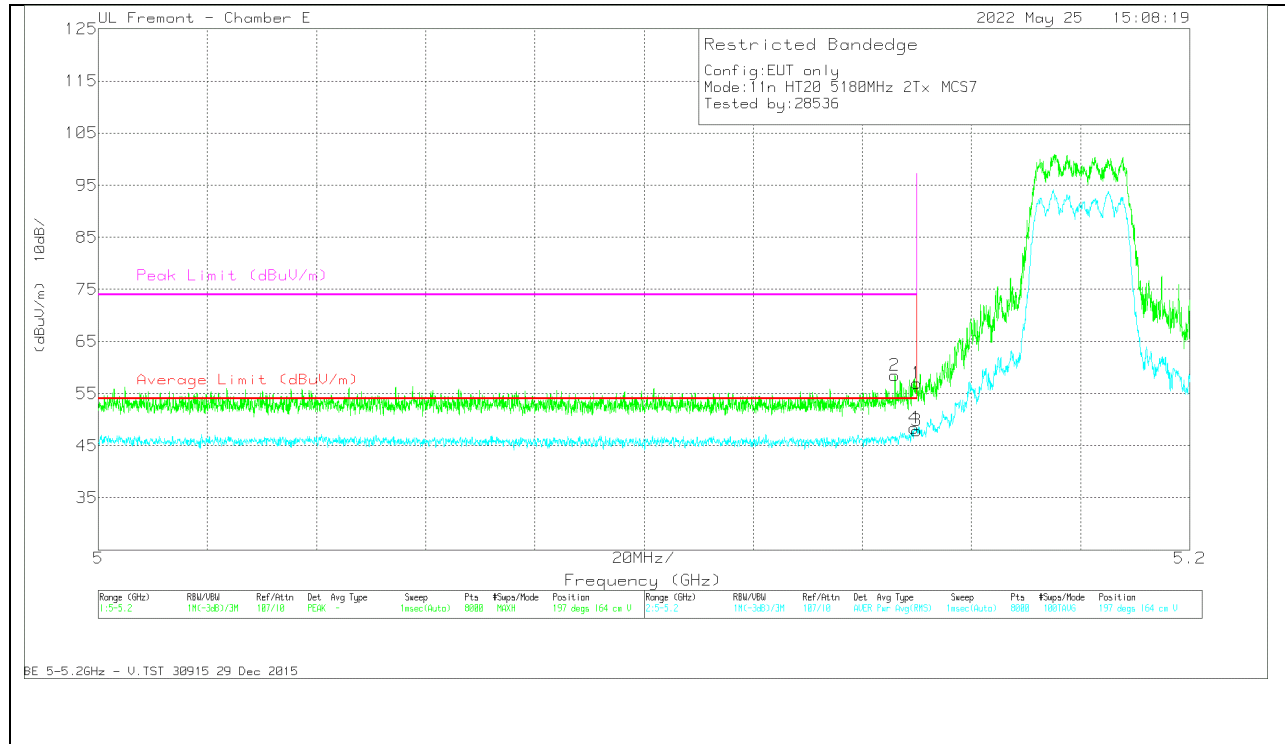


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147243	49.47	Pk	34.5	-21.4	0	62.57	-	-	74	-11.43	200	231	H
4	* 5.149743	37.3	RMS	34.5	-21.4	.62	51.02	54	-2.98	-	-	200	231	H
1	* 5.15	48.49	Pk	34.5	-21.4	0	61.59	-	-	74	-12.41	200	231	H
3	* 5.15	36.13	RMS	34.5	-21.4	.62	49.85	54	-4.15	-	-	200	231	H

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

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



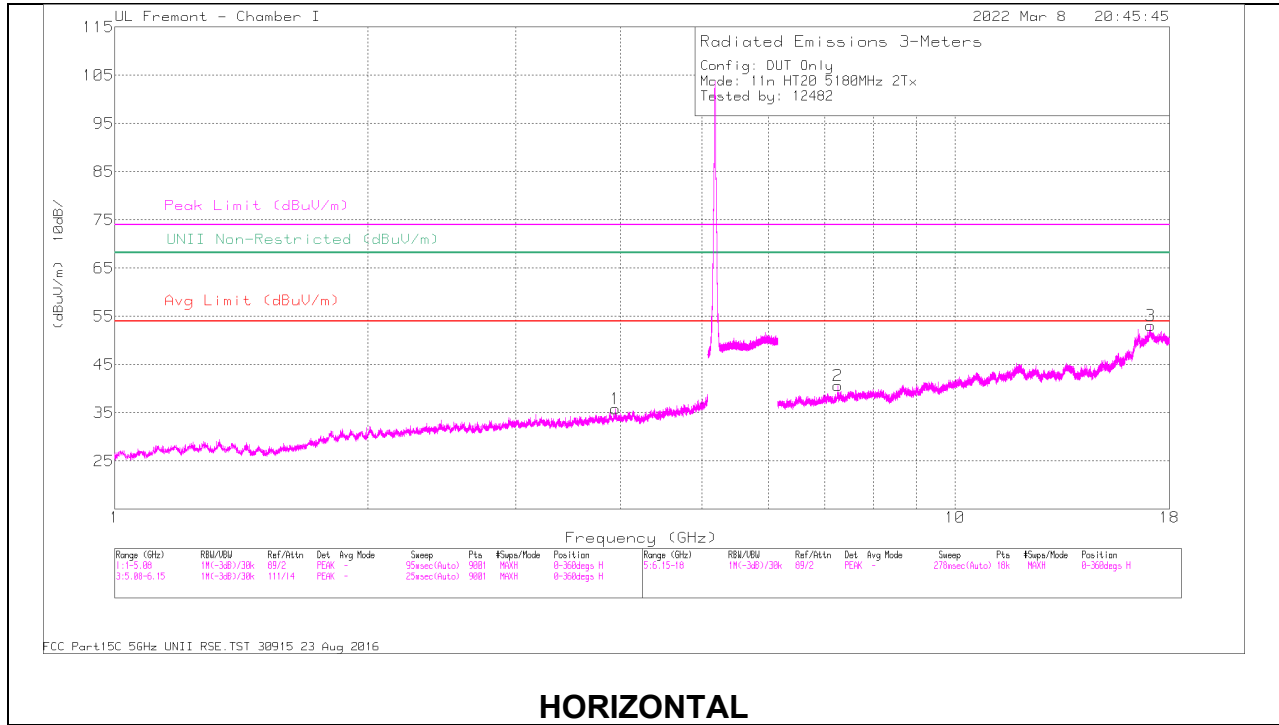
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.9	Pk	34.5	-21.4	0	57	-	-	74	-17	197	164	V
2	* 5.145968	45.39	Pk	34.5	-21.4	0	58.49	-	-	74	-15.51	197	164	V
3	* 5.15	34.2	RMS	34.5	-21.4	.62	47.92	54	-6.08	-	-	197	164	V
4	* 5.149543	34.62	RMS	34.5	-21.4	.62	48.34	54	-5.66	-	-	197	164	V

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

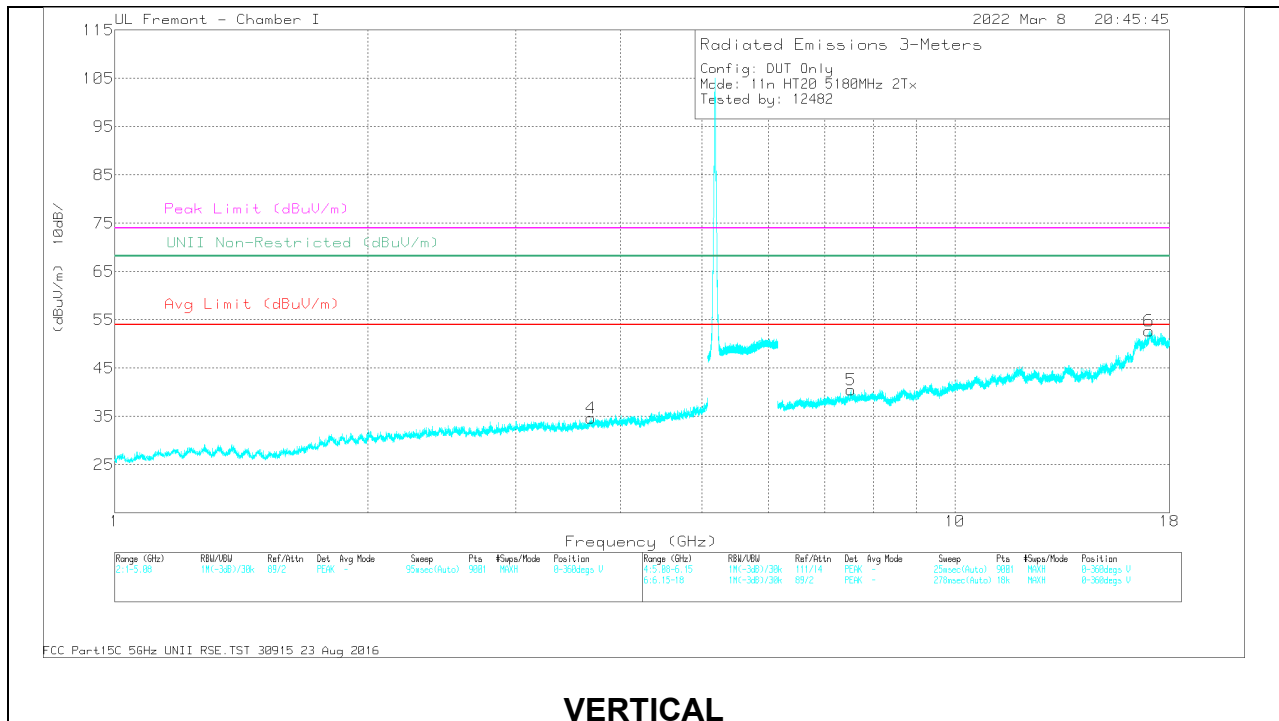
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

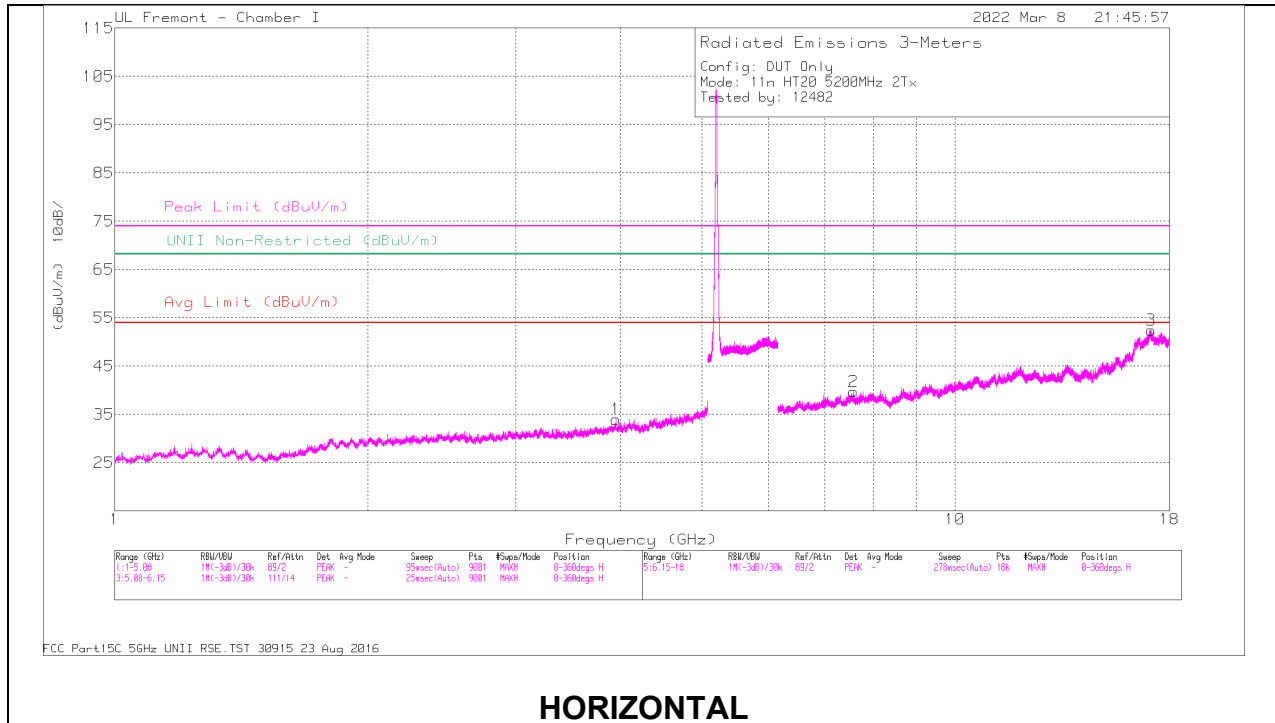
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (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	* 3.9415	38.21	PK-U	33.5	-26.7	0	45.01	-	-	74	-28.99	-	-	115	246	H
	* 3.9399	26.44	ADR	33.5	-26.7	.11	33.35	54	-20.65	-	-	-	-	115	246	H
4	* 3.6917	37.82	PK-U	33.1	-27	0	43.92	-	-	74	-30.08	-	-	226	334	V
	* 3.6906	26.16	ADR	33.1	-27	.11	32.37	54	-21.63	-	-	-	-	226	334	V
2	* 7.2631	32.31	PK-U	35.5	-19.2	0	48.61	-	-	74	-25.39	-	-	324	204	H
	* 7.2622	20.56	ADR	35.5	-19.2	.11	36.97	54	-17.03	-	-	-	-	324	204	H
3	17.0900	30.09	PK-U	42	-10.6	0	61.49	-	-	-	-	68.2	-6.71	209	356	H
5	* 7.5222	32.3	PK-U	35.7	-18.7	0	49.30	-	-	74	-24.7	-	-	108	228	V
	* 7.5229	20.63	ADR	35.7	-18.7	.11	37.74	54	-16.26	-	-	-	-	108	228	V
6	17.0202	29.72	PK-U	42	-11	0	60.72	-	-	-	-	68.2	-7.48	48	188	V

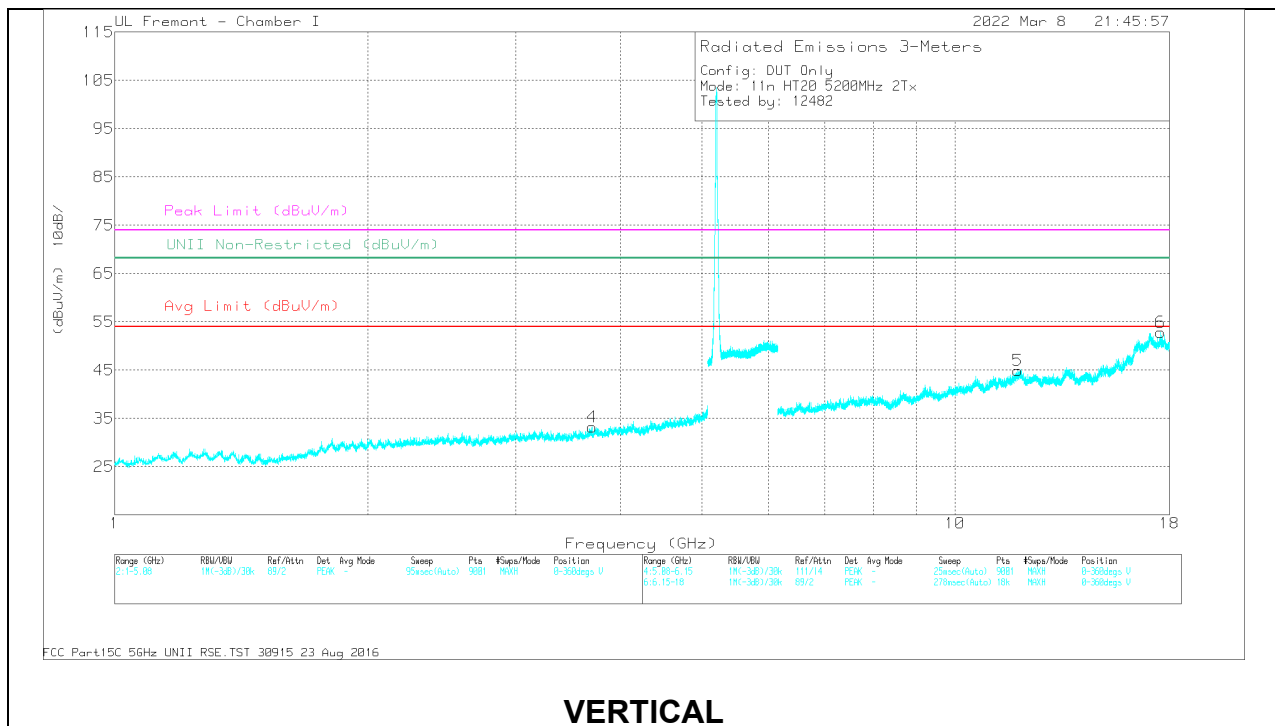
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

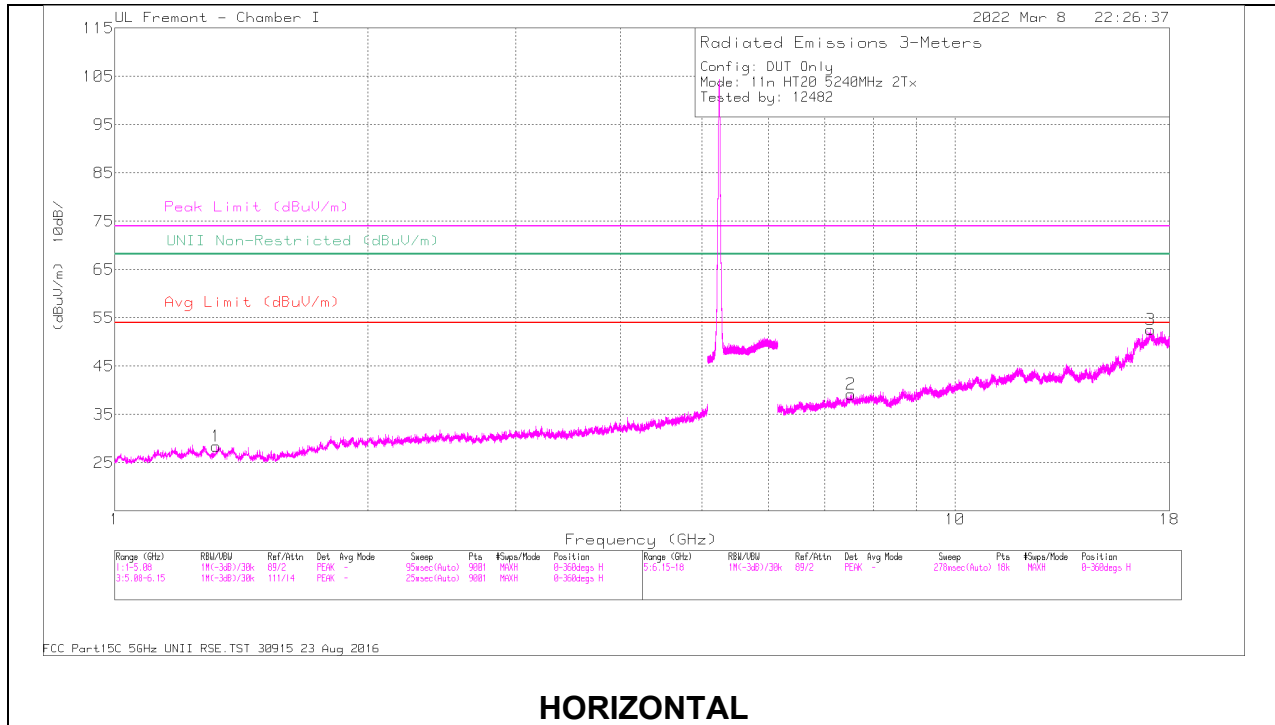
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (dB/m)	Amp/Cb/ Filt/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	* 3.951	36.7	PK-U	33.5	-26.7	0	43.5	-	-	74	-30.5	-	-	13	145	H
	* 3.951	24.91	ADR	33.5	-26.7	.11	31.82	-	-22.18	-	-	-	-	13	145	H
4	* 3.699	36.05	PK-U	33.1	-27	0	42.15	-	-	74	-31.85	-	-	188	254	V
	* 3.700	24.62	ADR	33.1	-27	.11	30.83	-	-23.17	-	-	-	-	188	254	V
2	* 7.575	32.05	PK-U	35.7	-18.8	0	46.95	-	-	74	-25.05	-	-	298	321	H
	* 7.575	20.35	ADR	35.7	-18.8	.11	37.36	54	-16.64	-	-	-	-	298	321	H
3	17.11	30.19	PK-U	42	-11.3	0	60.89	-	-	-	-	68.2	-7.31	19	211	H
5	* 11.87	31.58	PK-U	38.5	-16.6	0	53.48	-	-	74	-20.52	-	-	86	108	V
	* 11.88	20.19	ADR	38.5	-16.6	.11	42.2	54	-11.8	-	-	-	-	86	108	V
6	17.58	28.79	PK-U	41.6	-9.7	0	60.69	-	-	-	-	68.2	-7.51	62	387	V

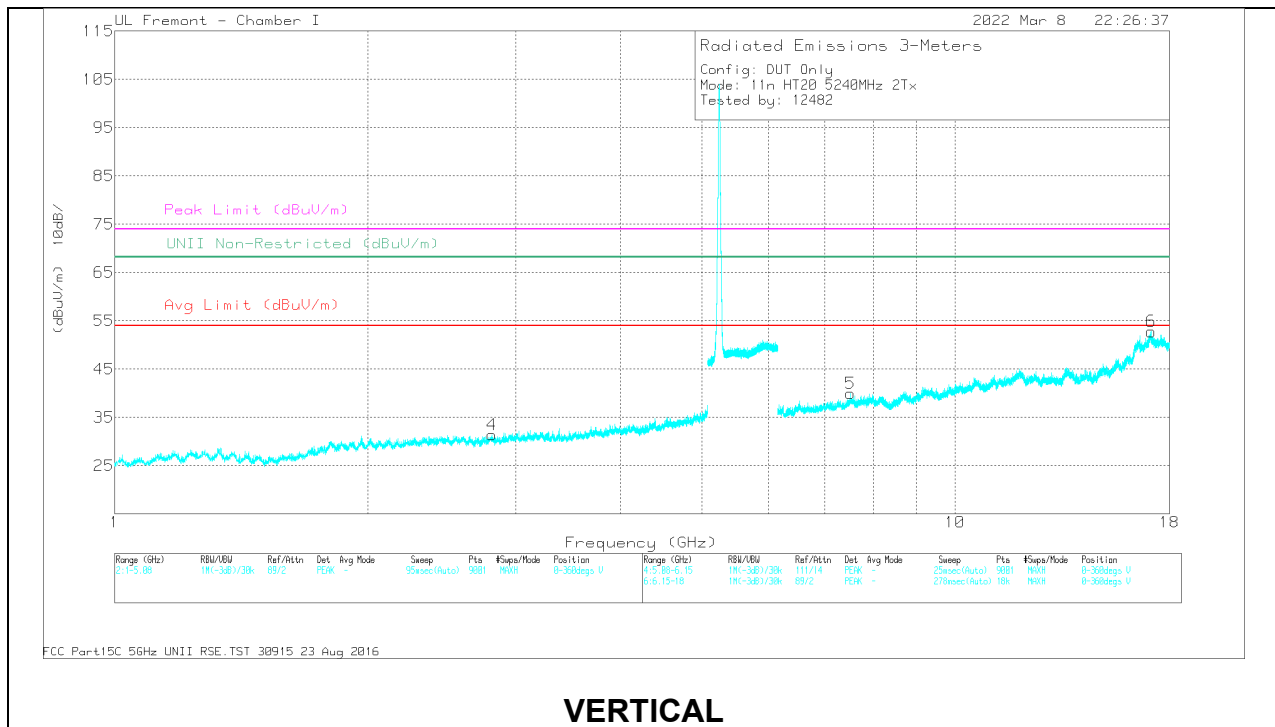
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 206805 (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	* 1.3226	40.93	PK-U	28.7	-31.5	0	38.13	-	-	74	-35.87	-	-	143	191	H
	* 1.3209	28.85	ADR	28.7	-31.6	.11	26.06	54	-27.94	-	-	-	-	143	191	H
4	* 2.8122	37.27	PK-U	32.1	-28.6	0	40.77	-	-	74	-33.23	-	-	113	110	V
	* 2.8128	25.37	ADR	32.1	-28.6	.11	28.98	54	-25.02	-	-	-	-	113	110	V
2	* 7.5214	31.52	PK-U	35.7	-18.7	0	48.52	-	-	74	-25.48	-	-	204	236	H
	* 7.5215	20.17	ADR	35.7	-18.7	.11	37.28	54	-16.72	-	-	-	-	204	236	H
3	17.091	30.91	PK-U	42	-10.6	0	62.31	-	-	-	-	68.2	-5.89	299	142	H
5	* 7.5087	32.8	PK-U	35.7	-18.6	0	49.9	-	-	74	-24.1	-	-	246	287	V
	* 7.5076	20.69	ADR	35.7	-18.6	.11	37.9	54	-16.1	-	-	-	-	246	287	V
6	17.116	29.95	PK-U	42	-11.3	0	60.65	-	-	-	-	68.2	-7.55	244	197	V

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

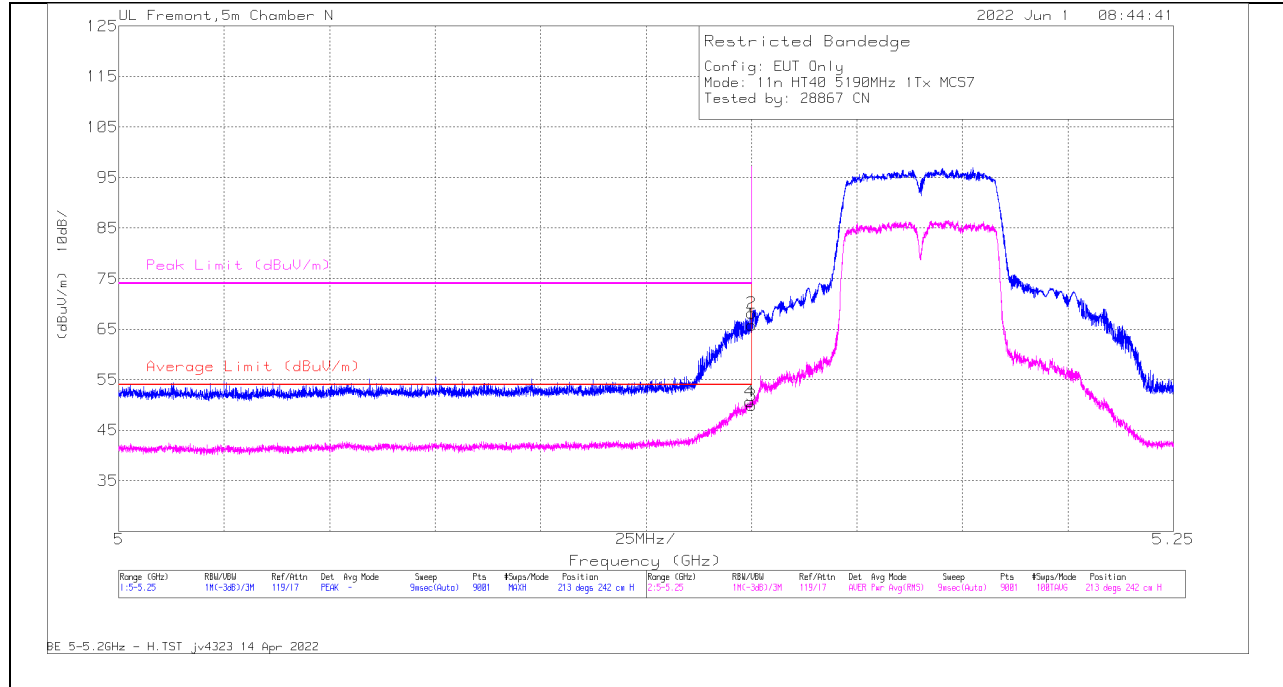
PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

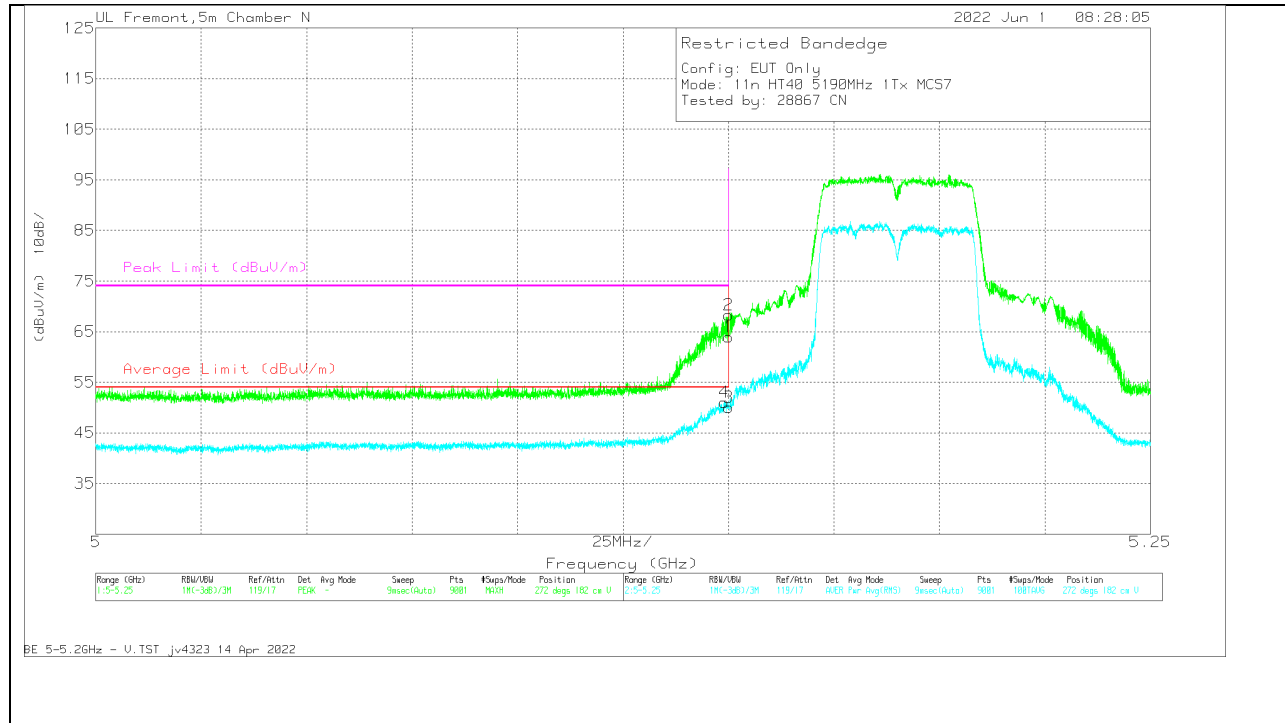


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/CbIP ad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	71.37	Pk	34.4	-39.9	0	65.87	-	-	74	-8.13	213	242	H
2	* 5.149973	73.67	Pk	34.4	-39.9	0	68.17	-	-	74	-5.83	213	242	H
3	* 5.15	54.72	RMS	34.4	-39.9	.89	50.11	54	-3.89	-	-	213	242	H
4	* 5.149612	55.57	RMS	34.4	-39.9	.89	50.96	54	-3.04	-	-	213	242	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 84796 (dB/m)	Amp/C bl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 5.15	69.47	Pk	34.4	-39.9	0	63.97	-	-	74	-10.03	272	182	V
2	* 5.149973	73.74	Pk	34.4	-39.9	0	68.24	-	-	74	-5.76	272	182	V
3	* 5.15	54.88	RMS	34.4	-39.9	.89	50.27	54	-3.73	-	-	272	182	V
4	* 5.148918	55.9	RMS	34.4	-39.9	.89	51.29	54	-2.71	-	-	272	182	V

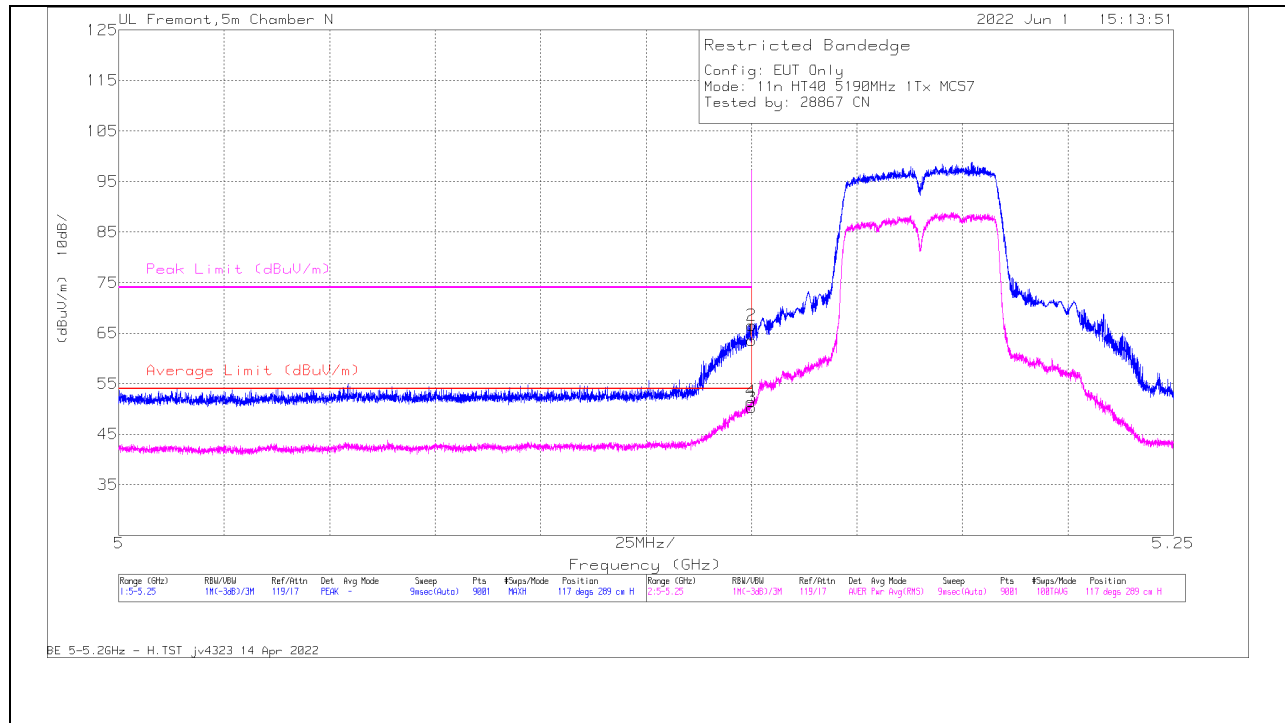
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

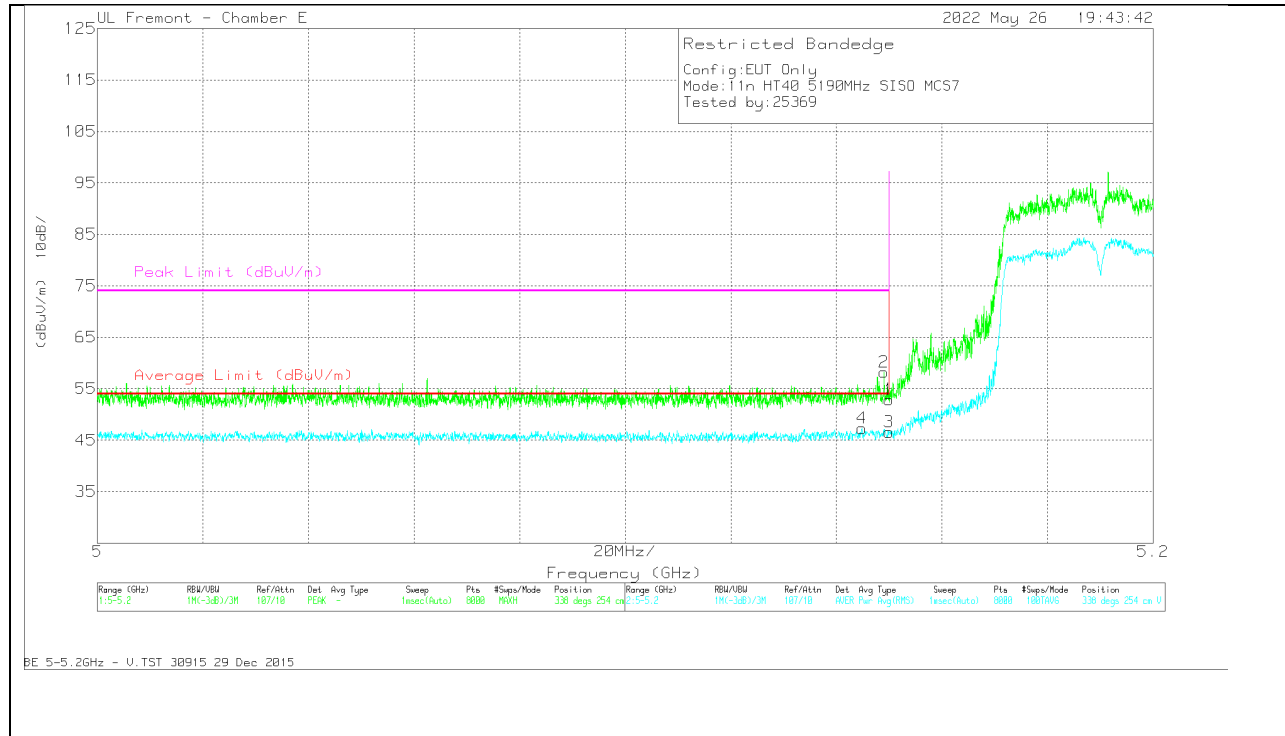


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/C bl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 5.15	69.04	Pk	34.4	-39.9	0	63.54	-	-	74	-10.46	117	289	H
2	* 5.149973	72.04	Pk	34.4	-39.9	0	66.54	-	-	74	-7.46	117	289	H
3	* 5.15	55.06	RMS	34.4	-39.9	.89	50.45	54	-3.55	-	-	117	289	H
4	* 5.149918	56.28	RMS	34.4	-39.9	.89	51.67	54	-2.33	-	-	117	289	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	20dB/90° ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.76	Pk	34.5	-21.4	0	52.86	-	-	74	-21.14	338	254	V
2	* 5.148993	45.12	Pk	34.5	-21.4	0	58.22	-	-	74	-15.78	338	254	V
3	* 5.15	32.78	RMS	34.5	-21.4	.89	46.77	54	-7.23	-	-	338	254	V
4	* 5.144842	33.51	RMS	34.5	-21.4	.89	47.50	54	-6.50	-	-	338	254	V

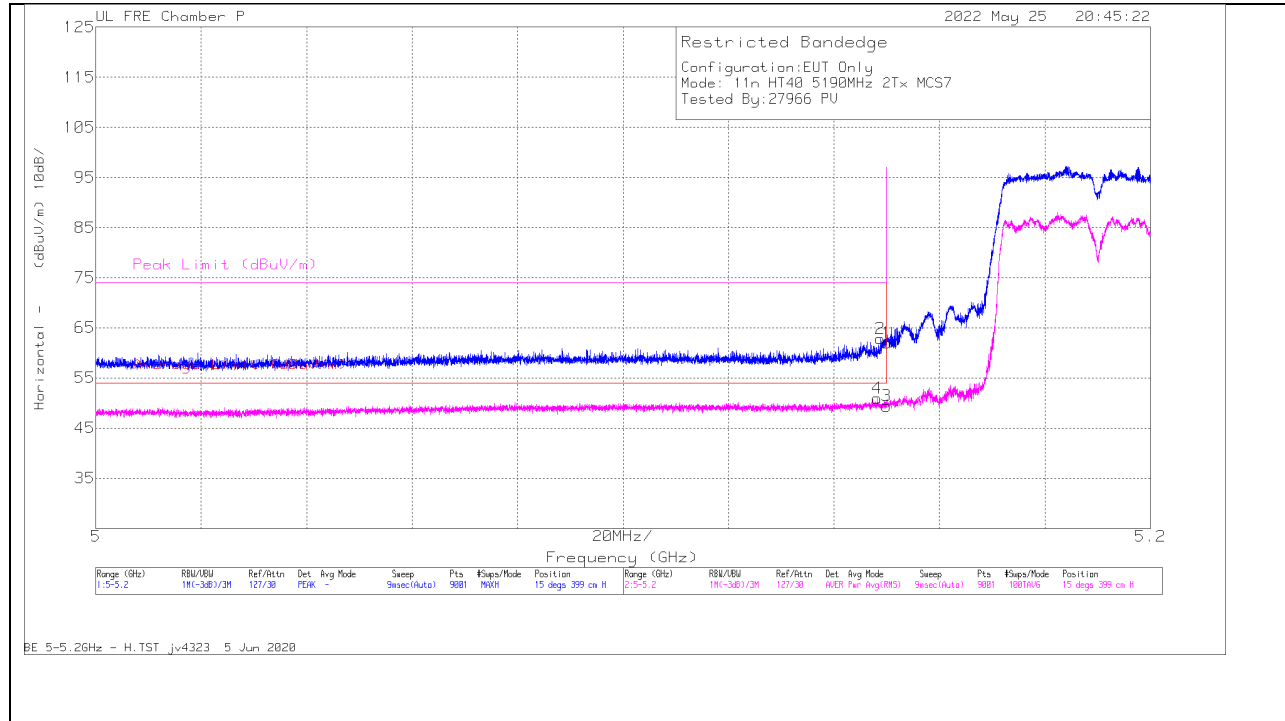
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

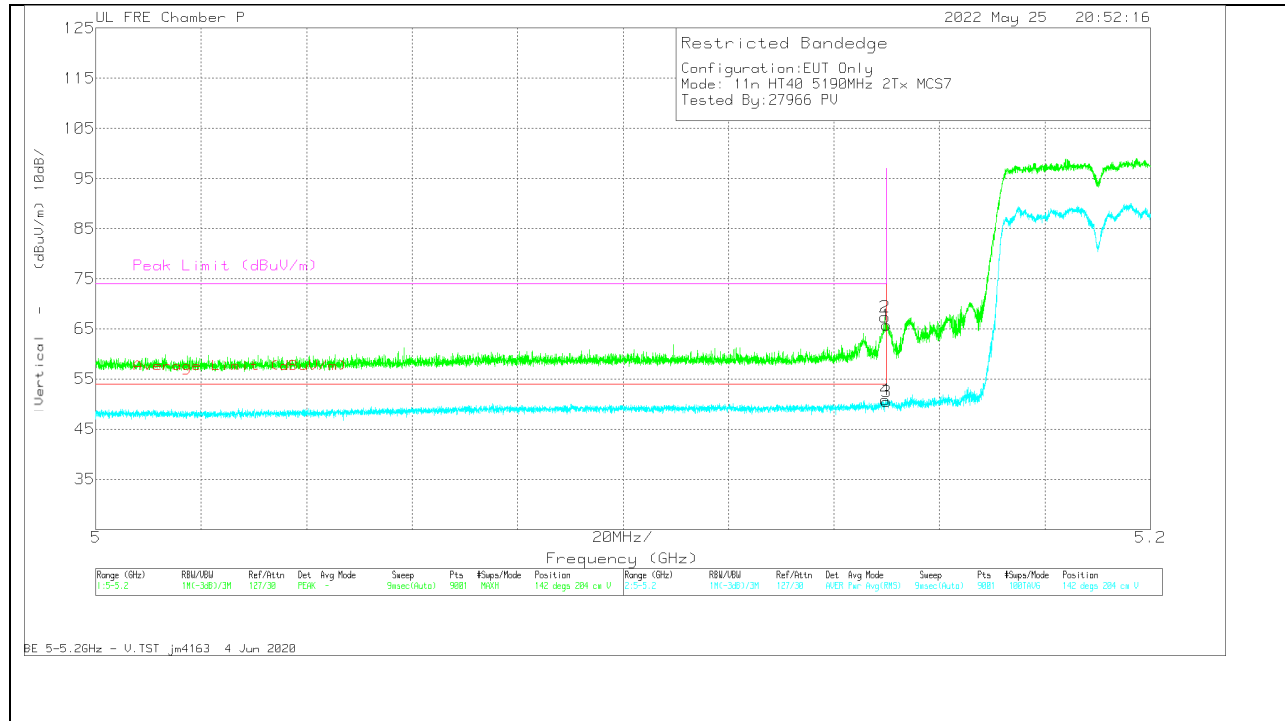


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/CbI/F In/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*5.148132	45.52	RMS	34.4	-30	0.89	50.81	54	-3.19	-	-	15	399	H
2	*5.148821	58.47	PK	34.4	-30	0	62.87	-	-	74	-11.13	15	399	H
1	*5.15	57.69	PK	34.4	-30.1	0	61.99	-	-	74	-12.01	15	399	H
3	*5.15	44.1	RMS	34.4	-30.1	0.89	49.29	54	-4.71	-	-	15	399	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 41112 (dB/m)	Amp/CbMF Itr/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
2	*5.149665	63.05	PK	34.4	-30.1	0	67.35	-	-	74	-6.65	142	204	V
4	*5.149732	45.56	RMS	34.4	-30.1	0.89	50.75	54	-3.25	-	-	142	204	V
1	*5.15	61.49	PK	34.4	-30.1	0	65.79	-	-	74	-8.21	142	204	V
3	*5.15	45.18	RMS	34.4	-30.1	0.89	50.37	54	-3.63	-	-	142	204	V

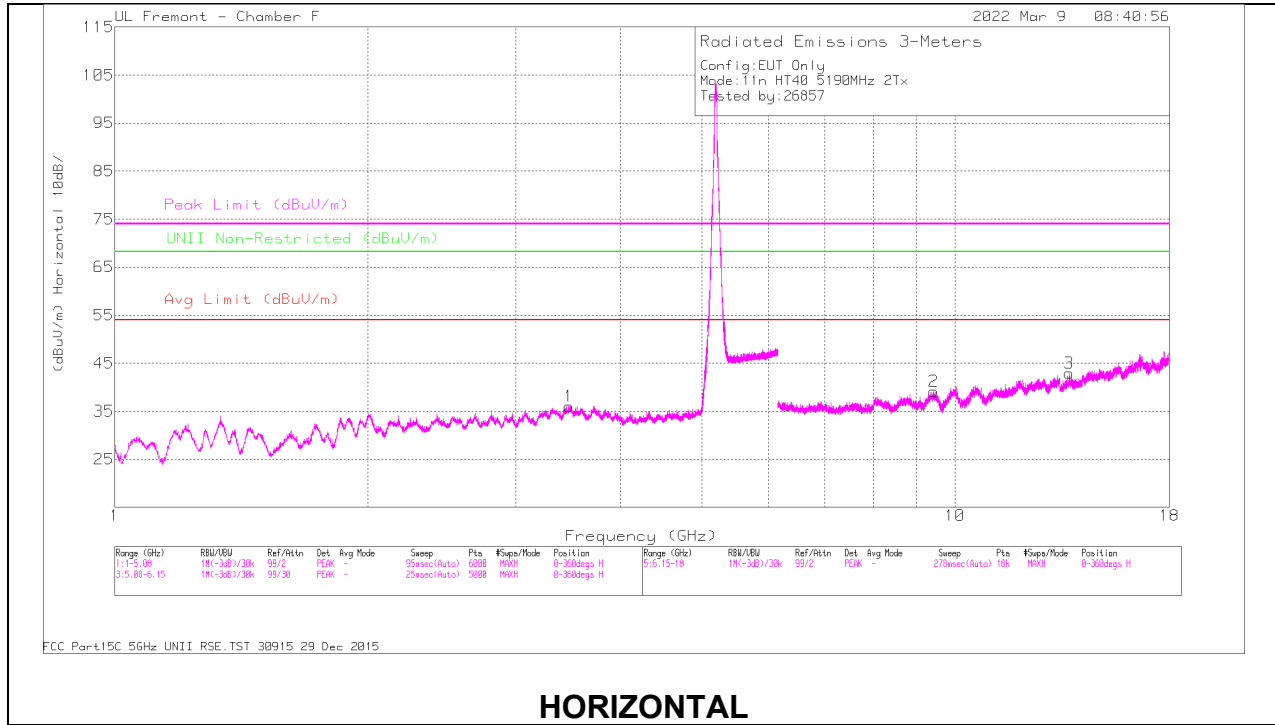
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

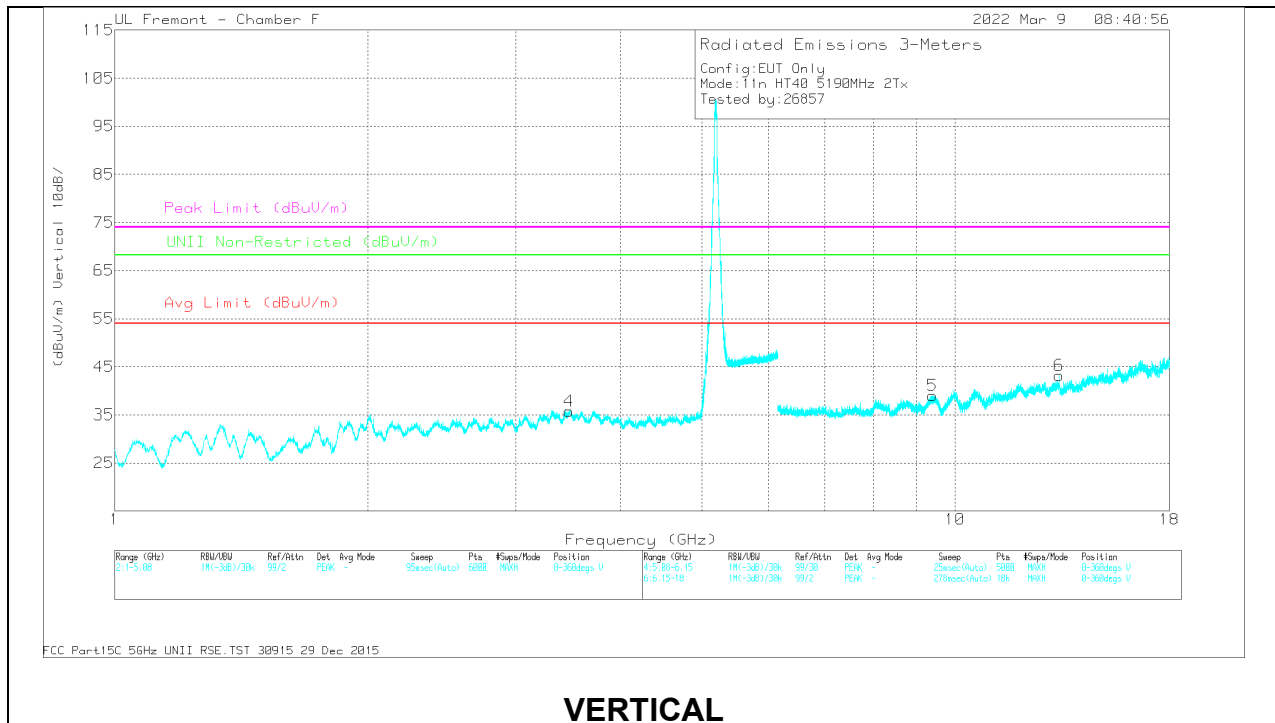
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

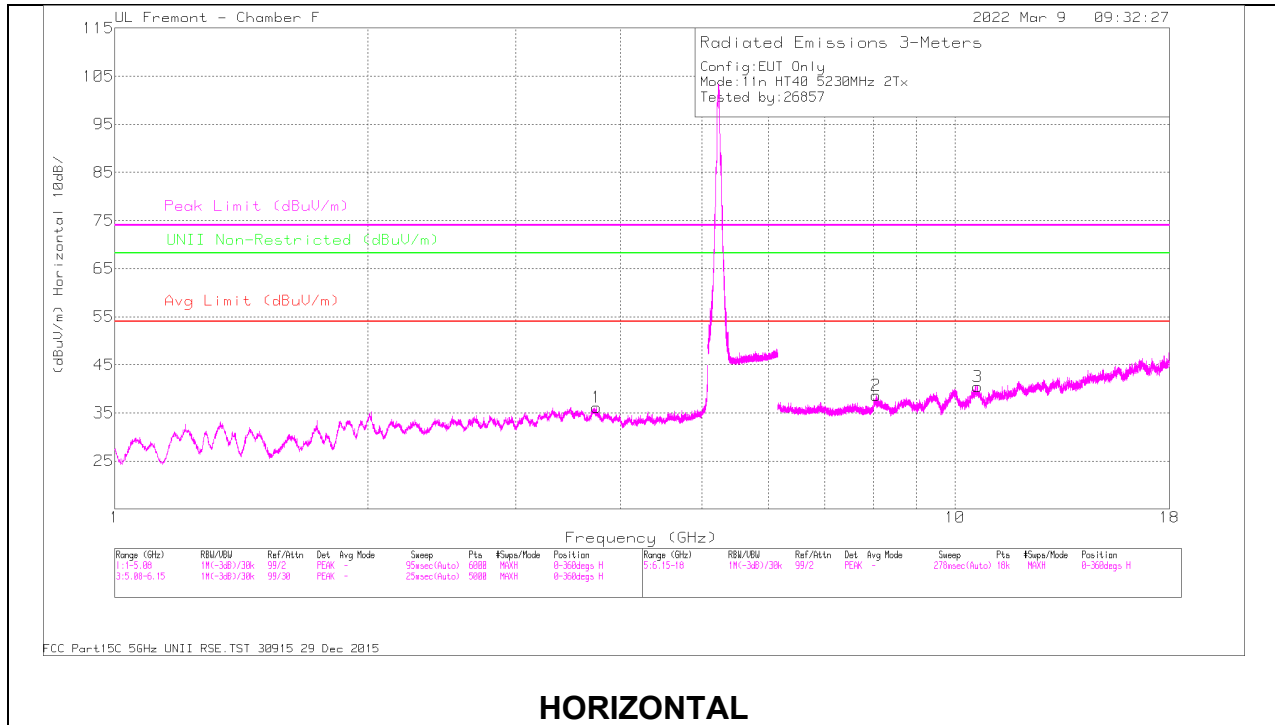
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.4745	57.65	PK-U	35.5	-46.9	0	46.25	-	-	-	-	68.2	-21.95	22	232	H
4	3.4747	57.4	PK-U	35.5	-46.9	0	46	-	-	-	-	68.2	-22.2	32	228	V
2	* 9.4430	56.62	PK-U	36.6	-44.9	0	48.32	-	-	74	-25.68	-	-	10	104	H
	* 9.442	45.02	ADR	36.6	-44.9	.19	36.91	54	-17.09	-	-	-	-	10	104	H
3	13.672	57.35	PK-U	39.1	-45	0	51.45	-	-	-	-	68.2	-16.75	299	269	H
5	* 9.408	56.44	PK-U	36.5	-44.9	0	48.04	-	-	74	-25.96	-	-	22	351	V
	* 9.409	44.85	ADR	36.5	-45	.19	36.54	54	-17.46	-	-	-	-	22	351	V
6	* 13.30	57.25	PK-U	39.6	-44.2	0	52.65	-	-	74	-21.35	-	-	295	104	V
	* 13.30	44.7	ADR	39.6	-44.2	.19	40.29	54	-13.71	-	-	-	-	295	104	V

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

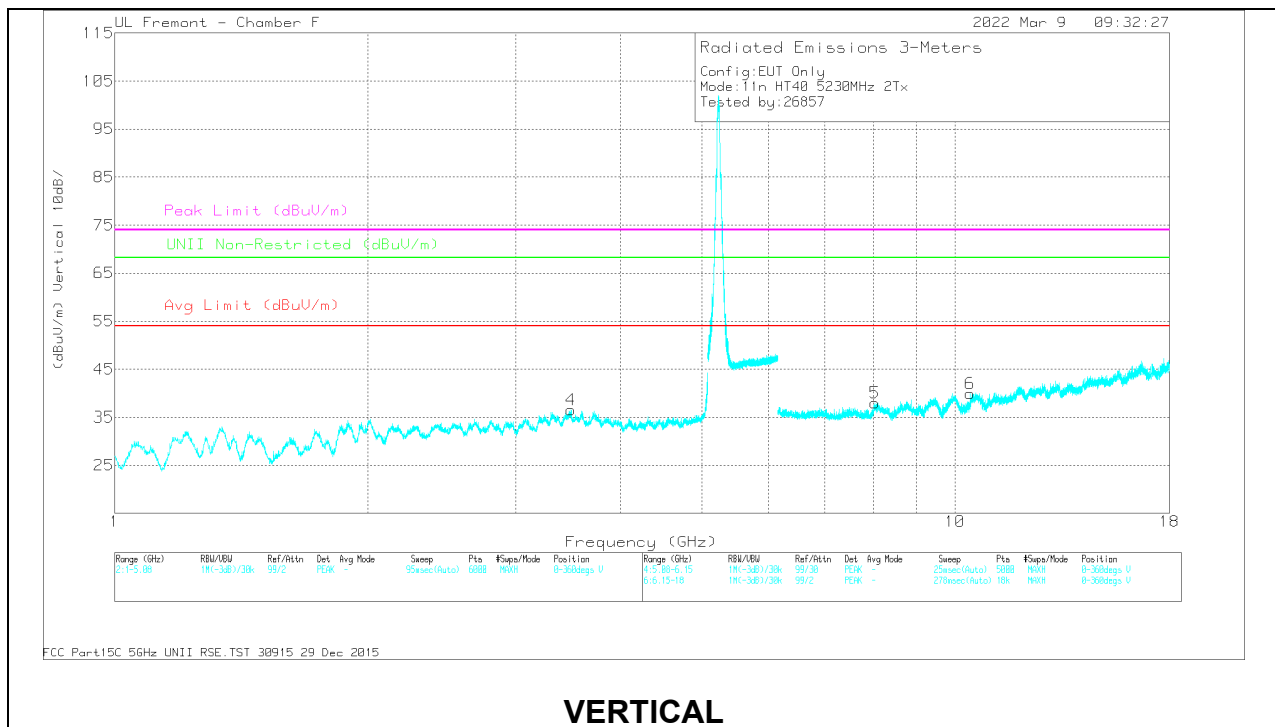
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dBm)	Amp/CBI/F Itr/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	* 3.742	57.16	PK-U	34.7	-46.7	0	45.16	-	-	74	-28.84	-	-	345	134	H
	* 3.7436	45.56	ADR	34.7	-46.7	.19	33.75	54	-20.25	-	-	-	-	345	134	H
4	3.4935	57.09	PK-U	35.5	-46.8	0	45.79	-	-	-	-	68.2	-22.41	340	212	V
2	* 8.0644	56.73	PK-U	35.8	-44.8	0	47.73	-	-	74	-26.27	-	-	26	149	H
	* 8.0643	44.97	ADR	35.8	-44.8	.19	36.16	54	-17.84	-	-	-	-	26	149	H
3	* 10.636	57.42	PK-U	38	-46.1	0	49.32	-	-	74	-24.68	-	-	312	186	H
	* 10.640	46.26	ADR	38	-46.1	.19	38.35	54	-15.65	-	-	-	-	312	186	H
5	* 8.2652	55.04	PK-U	35.7	-44.2	0	46.54	-	-	74	-27.46	-	-	209	179	V
	* 8.2611	43.96	ADR	35.7	-44.3	.19	35.55	54	-18.45	-	-	-	-	209	179	V
6	10.422	57.07	PK-U	37.6	-46.1	0	48.57	-	-	-	-	68.2	-19.63	330	156	V

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

PK-U - U-NII: Maximum Peak

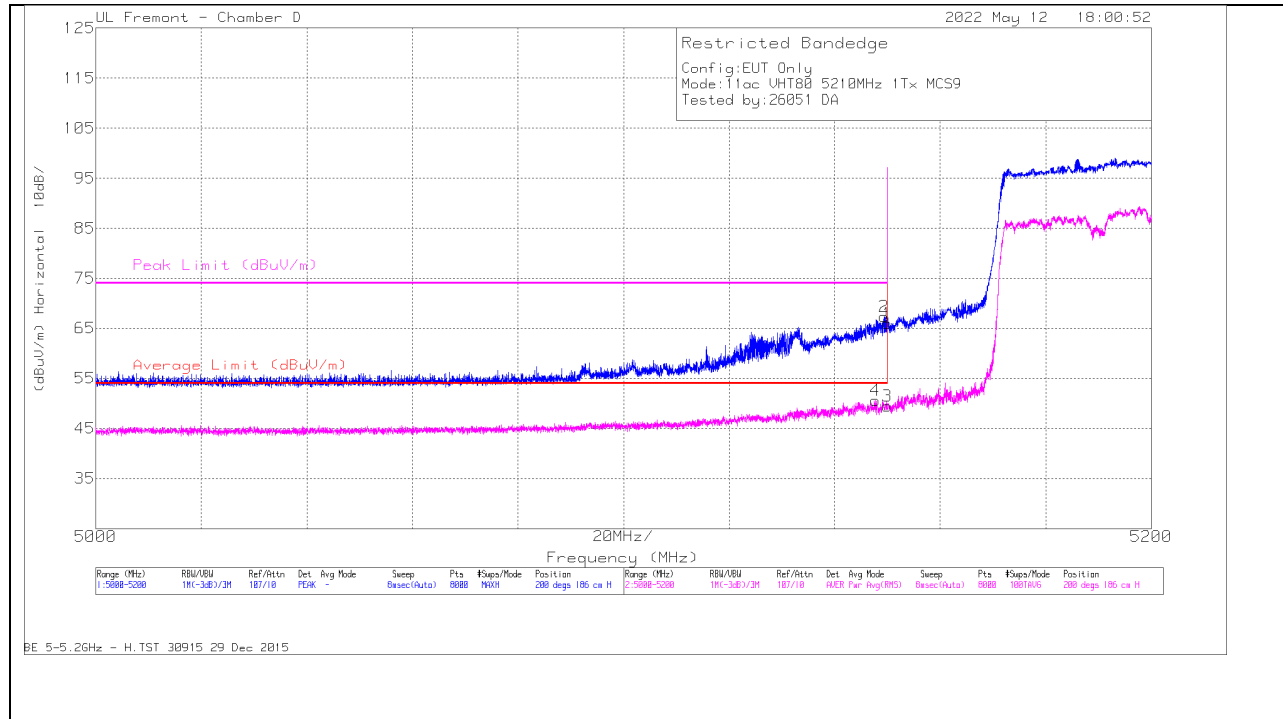
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

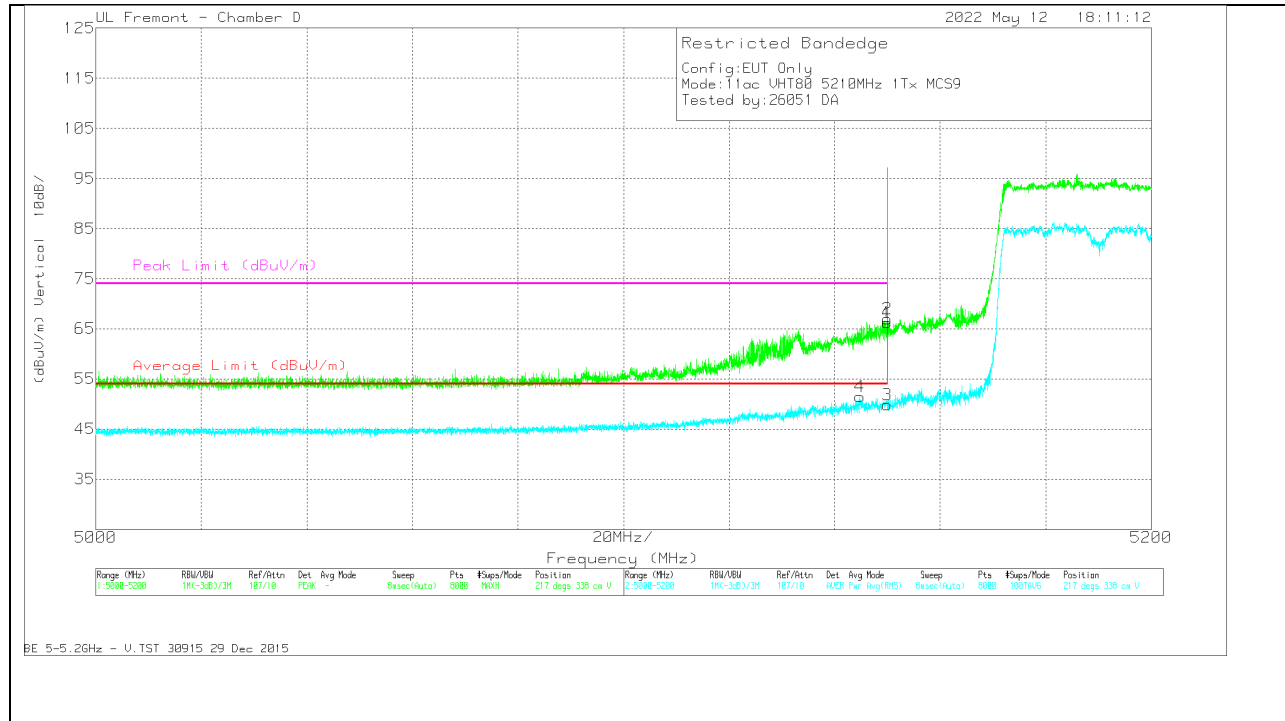


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	49.31	Pk	34.9	-18.2	0	66.01	-	-	74	-7.99	200	186	H
2	* 5149.318	50.62	Pk	34.9	-18.2	0	67.32	-	-	74	-6.68	200	186	H
3	* 5150	31.57	RMS	34.9	-18.2	1.30	49.57	54	-4.43	-	-	200	186	H
4	* 5147.693	32.77	RMS	34.9	-18.2	1.30	50.77	54	-3.23	-	-	200	186	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (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	* 5150	49.54	Pk	34.9	-18.2	0	66.24	-	-	74	-7.76	217	338	V
2	* 5149.993	50.31	Pk	34.9	-18.2	0	67.01	-	-	74	-6.99	217	338	V
3	* 5150	31.92	RMS	34.9	-18.2	1.30	49.92	54	-4.08	-	-	217	338	V
4	* 5144.792	33.56	RMS	34.9	-18.2	1.30	51.56	54	-2.44	-	-	217	338	V

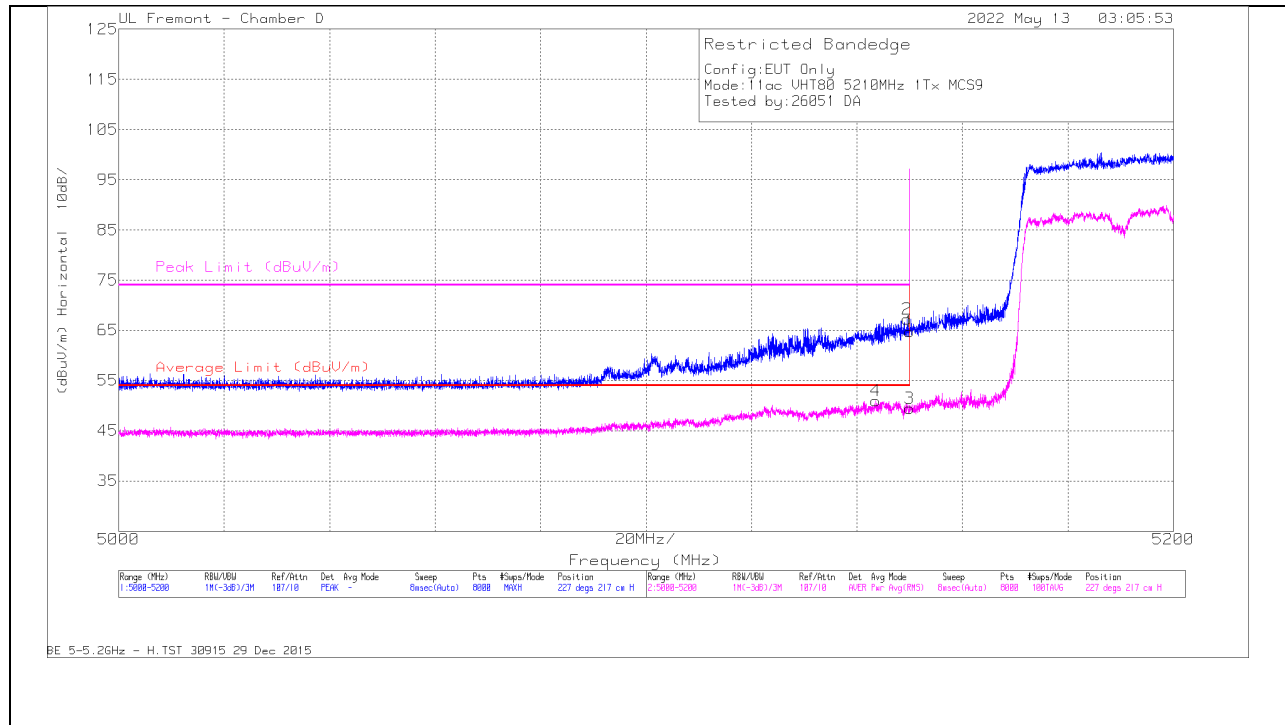
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

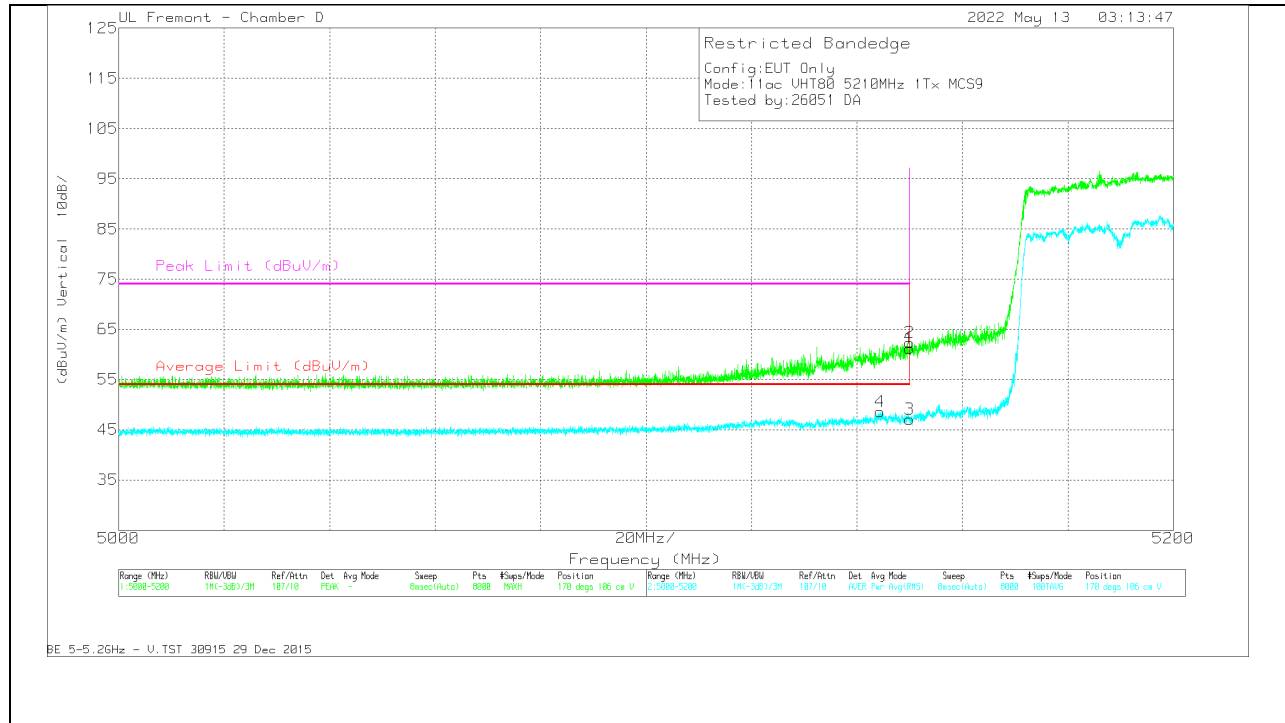


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	48.02	Pk	34.9	-18.2	0	64.72	-	-	74	-9.28	227	217	H
2	* 5149.543	50.55	Pk	34.9	-18.2	0	67.25	-	-	74	-6.75	227	217	H
3	* 5150	31.57	RMS	34.9	-18.2	1.30	49.57	54	-4.43	-	-	227	217	H
4	* 5143.517	33.09	RMS	34.9	-18.2	1.30	51.09	54	-2.91	-	-	227	217	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (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	* 5150	44.54	Pk	34.9	-18.2	0	61.24	-	-	74	-12.76	170	106	V
2	* 5149.968	45.66	Pk	34.9	-18.2	0	62.36	-	-	74	-11.64	170	106	V
3	* 5150	29.18	RMS	34.9	-18.2	1.30	47.18	54	-6.82	-	-	170	106	V
4	* 5144.392	30.67	RMS	34.9	-18.2	1.30	48.67	54	-5.33	-	-	170	106	V

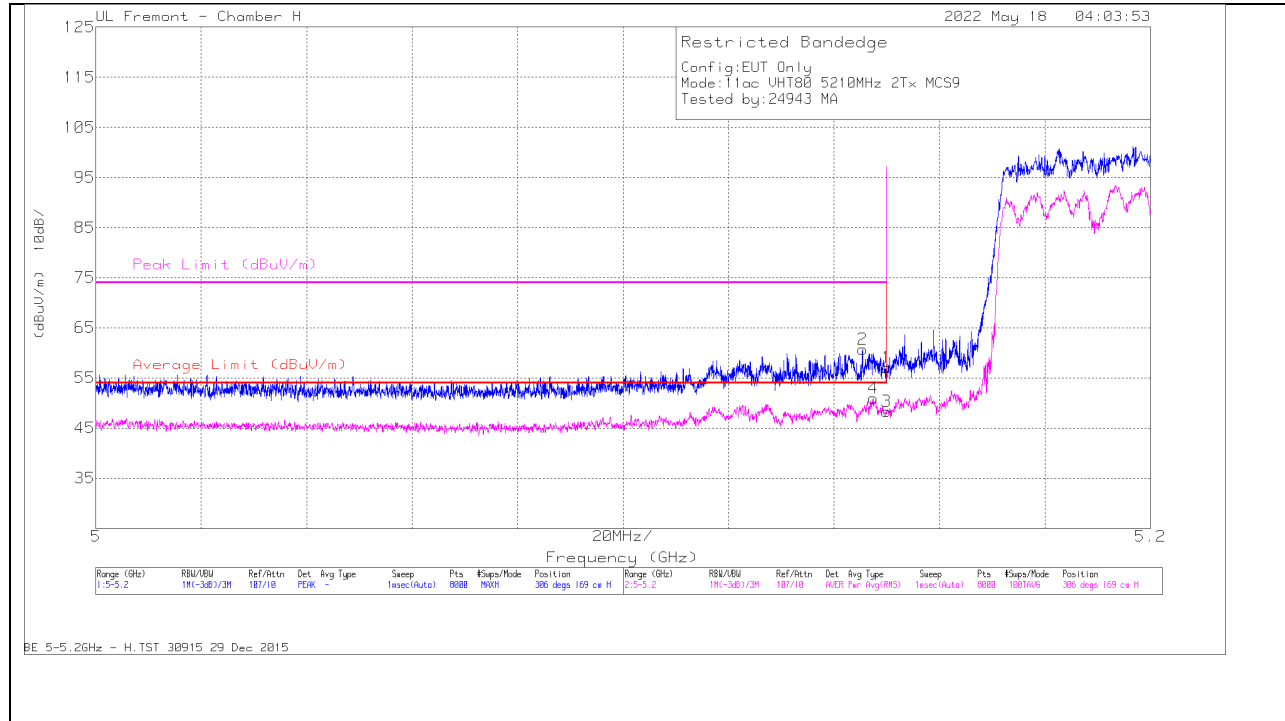
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

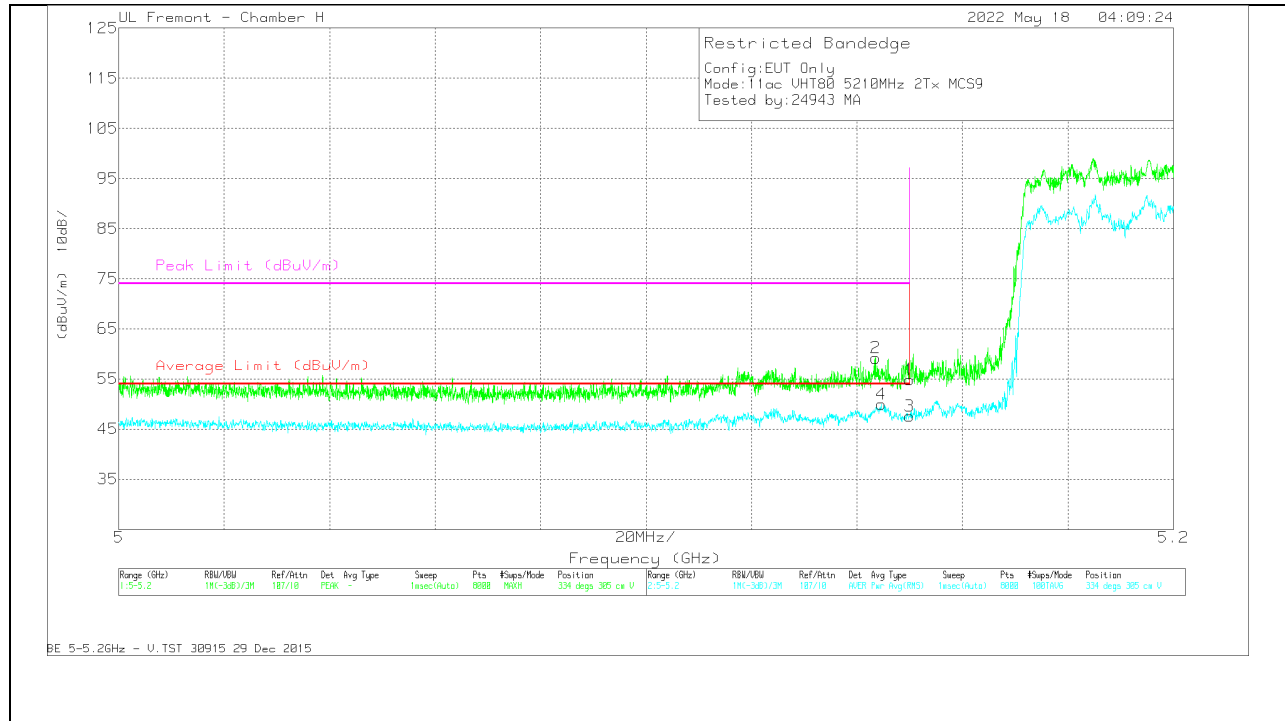


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.21	Pk	34.7	-23.8	0	57.11	-	-	74	-16.89	306	169	H
2	* 5.145392	49.93	Pk	34.6	-23.8	0	60.73	-	-	74	-13.27	306	169	H
3	* 5.15	36.2	RMS	34.7	-23.8	1.30	48.40	54	-5.60	-	-	306	169	H
4	* 5.147443	38.85	RMS	34.7	-23.8	1.30	51.05	54	-2.95	-	-	306	169	H

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

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



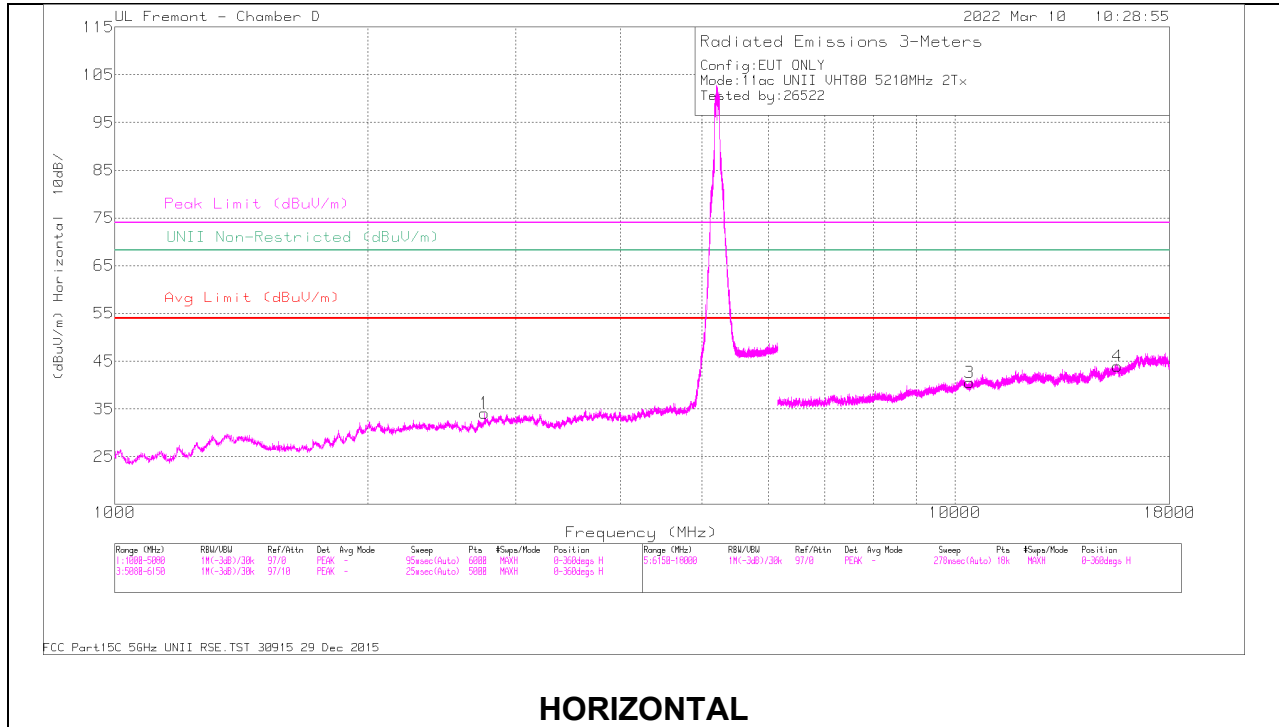
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.96	Pk	34.7	-23.8	0	54.86	-	-	74	-19.14	334	305	V
2	* 5.143492	48.27	Pk	34.6	-23.7	0	59.17	-	-	74	-14.83	334	305	V
3	* 5.15	35.42	RMS	34.7	-23.8	1.30	47.62	54	-6.38	-	-	334	305	V
4	* 5.144617	37.83	RMS	34.6	-23.7	1.30	50.03	54	-3.97	-	-	334	305	V

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

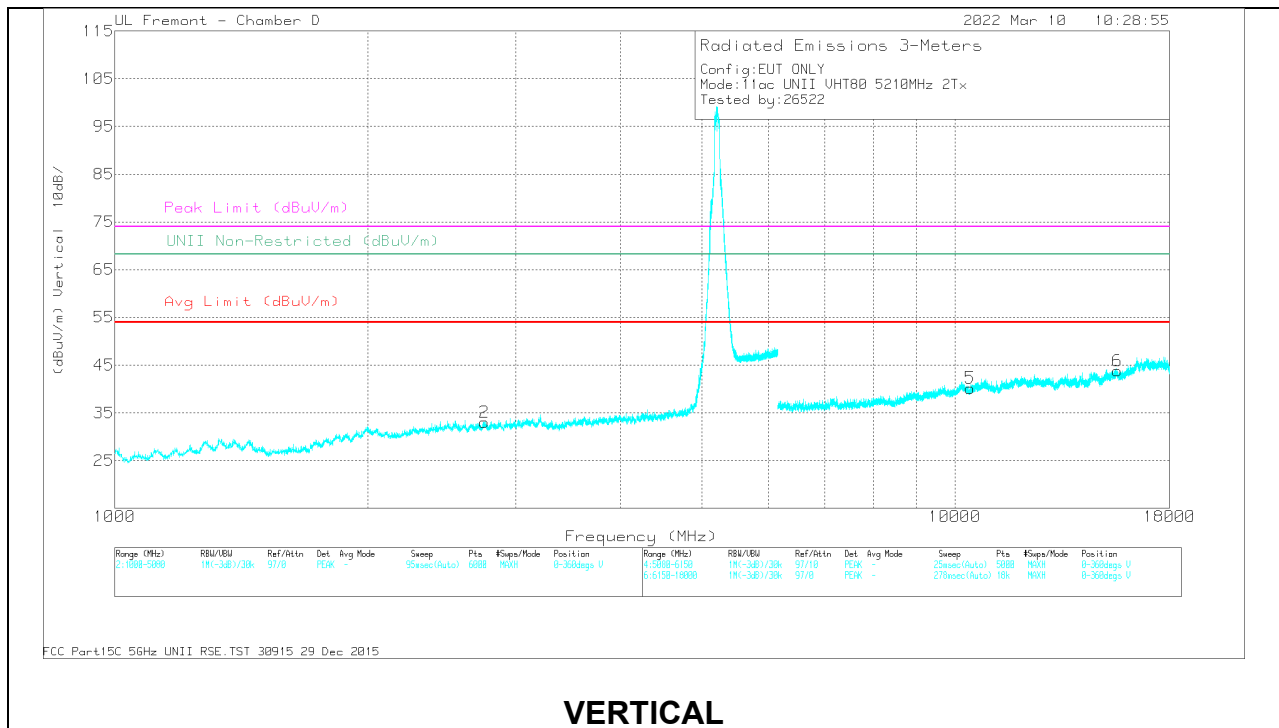
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F Itri/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	* 2755.3	40.57	PK-U	32.5	-29.9	0	43.17	-	-	74	-30.83	-	-	342	341	H
	* 2755.9	28.72	ADR	32.5	-29.9	.39	31.71	54	-22.29	-	-	-	-	342	341	H
2	* 2754.1	40.23	PK-U	32.5	-29.9	0	42.83	-	-	74	-31.17	-	-	278	180	V
	* 2756.4	28.54	ADR	32.5	-29.9	.39	31.53	54	-22.47	-	-	-	-	278	180	V
4	* 15616.	34.83	PK-U	40.4	-22.3	0	52.93	-	-	74	-21.07	-	-	25	354	H
	* 15617.	23.35	ADR	40.5	-22.3	.39	41.94	54	-12.06	-	-	-	-	25	354	H
6	* 15598.	35.03	PK-U	40.5	-22.2	0	53.33	-	-	74	-20.67	-	-	135	266	V
	* 15597.	23.85	ADR	40.5	-22.2	.39	42.54	54	-11.46	-	-	-	-	135	266	V
3	10414.	34.23	PK-U	37.5	-22.1	0	49.63	-	-	-	-	68.2	-18.57	96	375	H
5	10425.	34.24	PK-U	37.5	-22.1	0	49.64	-	-	-	-	68.2	-18.56	227	211	V

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

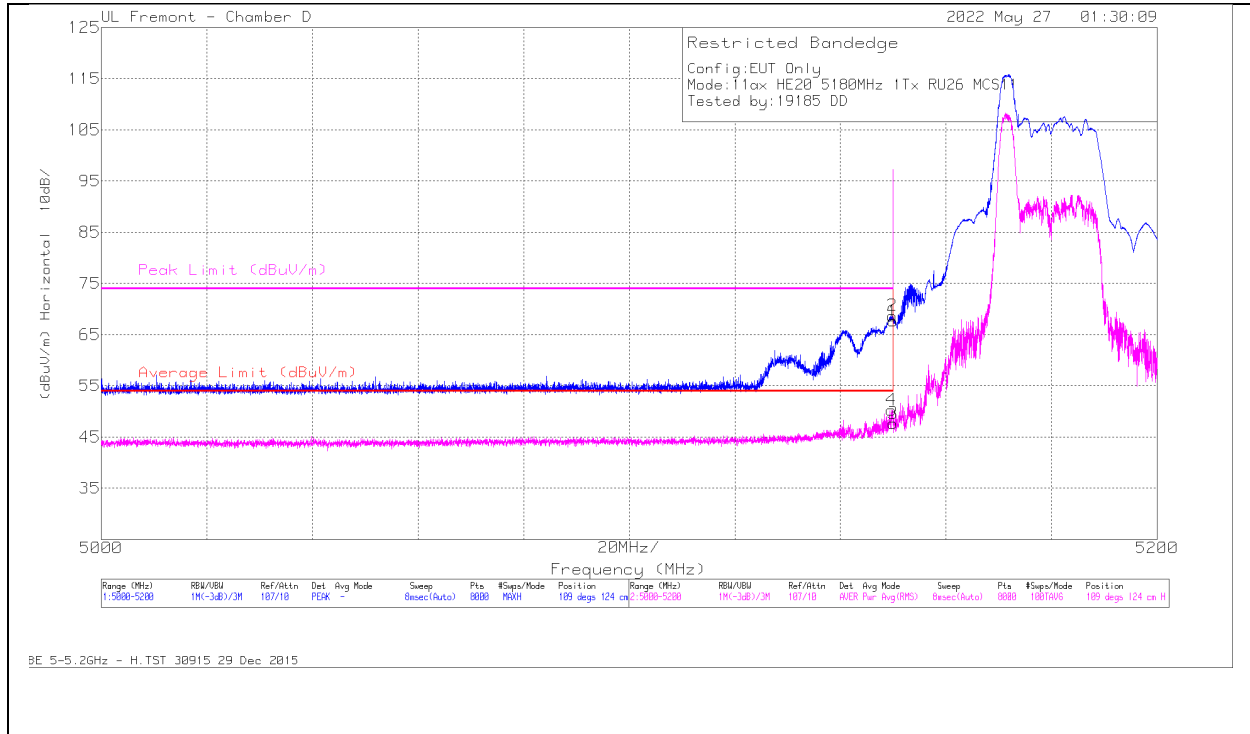
PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

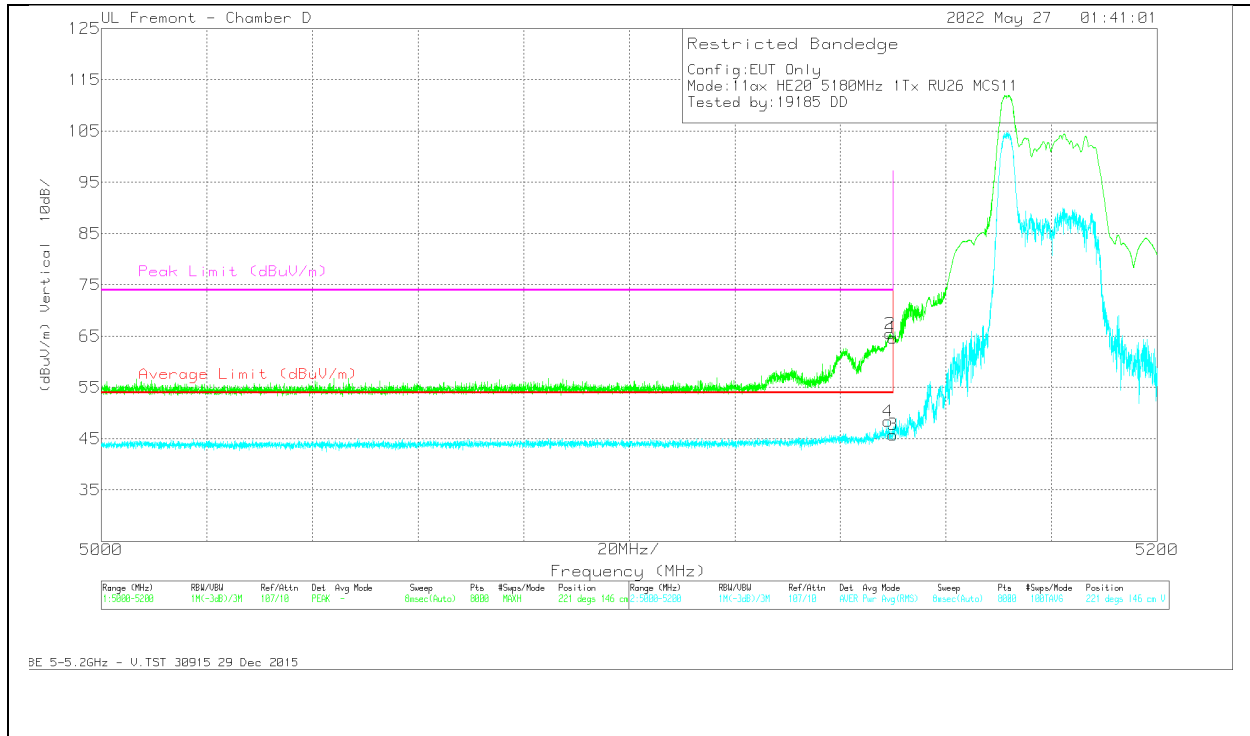


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	50.96	Pk	34.9	-18.2	0	67.66	-	-	74	-6.34	109	124	H
2	* 5149.818	52.02	Pk	34.9	-18.2	0	68.72	-	-	74	-5.28	109	124	H
3	* 5150	30.52	RMS	34.9	-18.2	.46	47.68	54	-6.32	-	-	109	124	H
4	* 5149.668	33.12	RMS	34.9	-18.2	.46	50.28	54	-3.72	-	-	109	124	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ 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	* 5150	47.98	Pk	34.9	-18.2	0	64.68	-	-	74	-9.32	221	146	V
2	* 5149.418	48.77	Pk	34.9	-18.2	0	65.47	-	-	74	-8.53	221	146	V
3	* 5150	28.6	RMS	34.9	-18.2	.46	45.76	54	-8.24	-	-	221	146	V
4	* 5148.968	31.24	RMS	34.9	-18.2	.46	48.40	54	-5.60	-	-	221	146	V

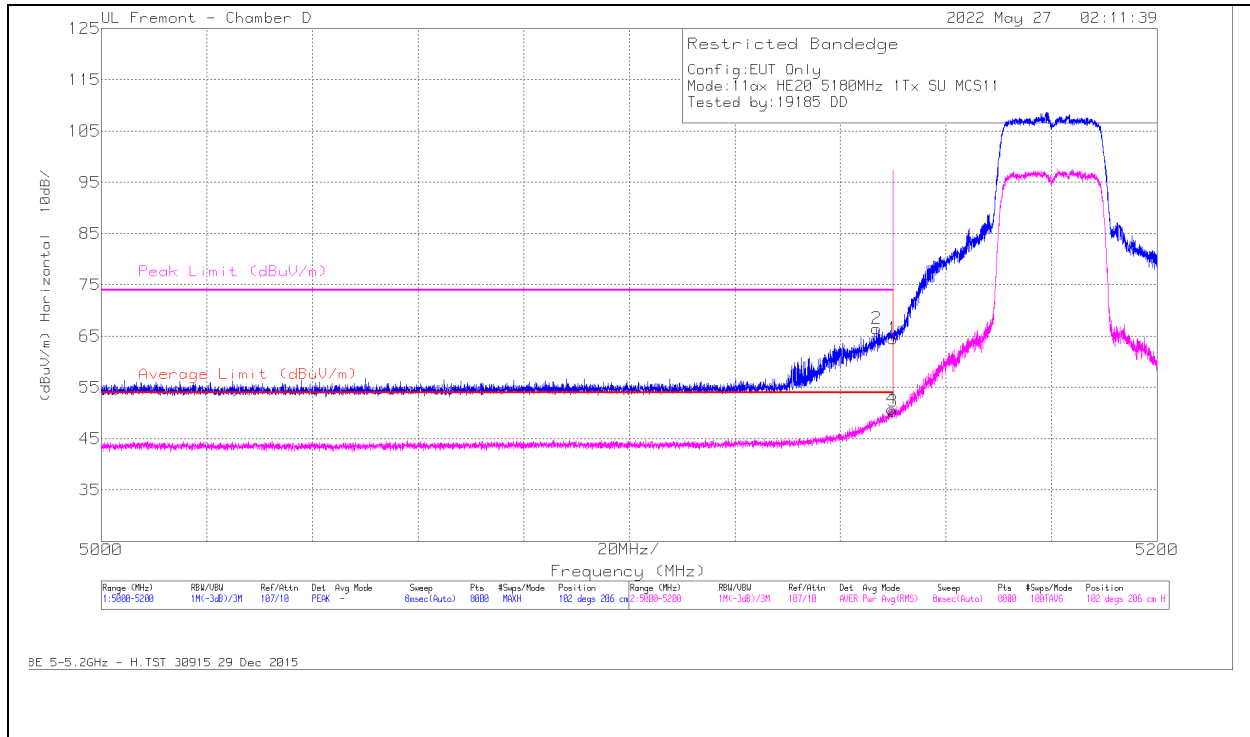
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 6: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



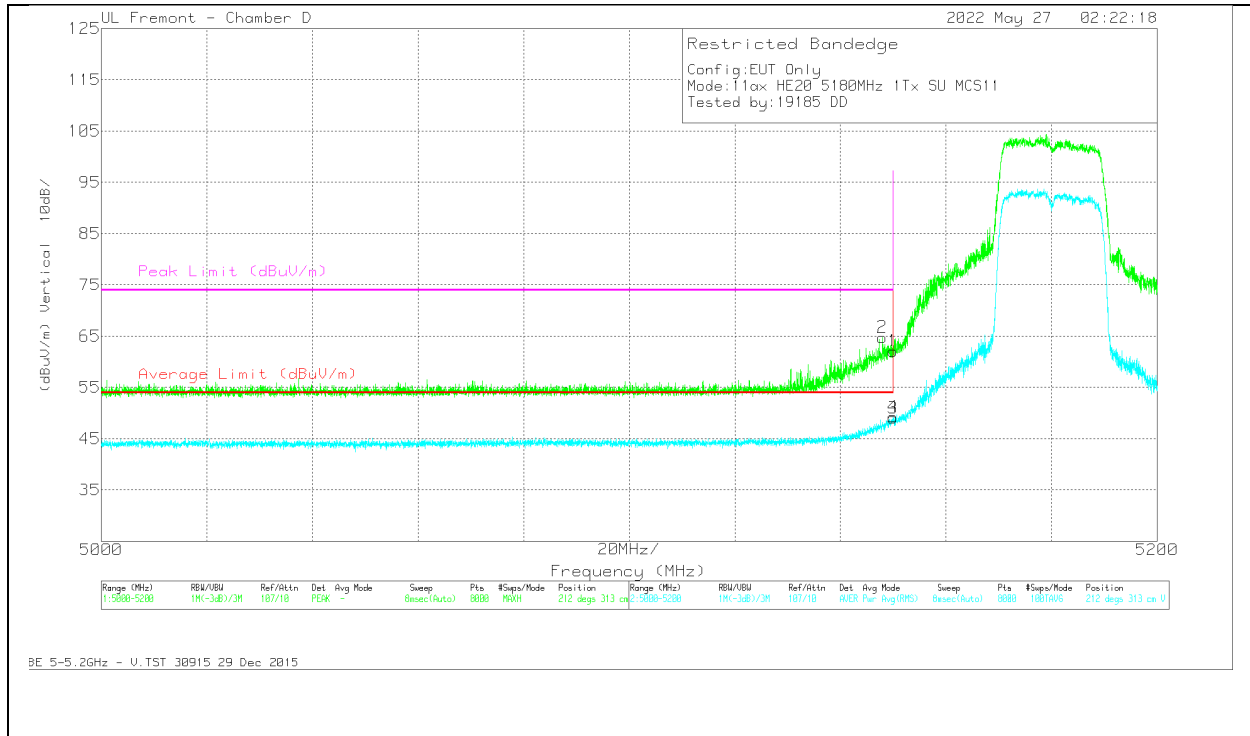
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	47.81	Pk	34.9	-18.2	0	64.51	-	-	74	-9.49	102	206	H
2	* 5146.818	49.78	Pk	34.9	-18.2	0	66.48	-	-	74	-7.52	102	206	H
3	* 5150	33.02	RMS	34.9	-18.2	.59	50.31	54	-3.69	-	-	102	206	H
4	* 5149.743	33.46	RMS	34.9	-18.2	.59	50.75	54	-3.25	-	-	102	206	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ 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	* 5150	45.39	Pk	34.9	-18.2	0	62.09	-	-	74	-11.91	212	313	V
2	* 5147.893	48.07	Pk	34.9	-18.2	0	64.77	-	-	74	-9.23	212	313	V
3	* 5150	31.66	RMS	34.9	-18.2	.59	48.95	54	-5.05	-	-	212	313	V
4	* 5149.993	31.92	RMS	34.9	-18.2	.59	49.21	54	-4.79	-	-	212	313	V

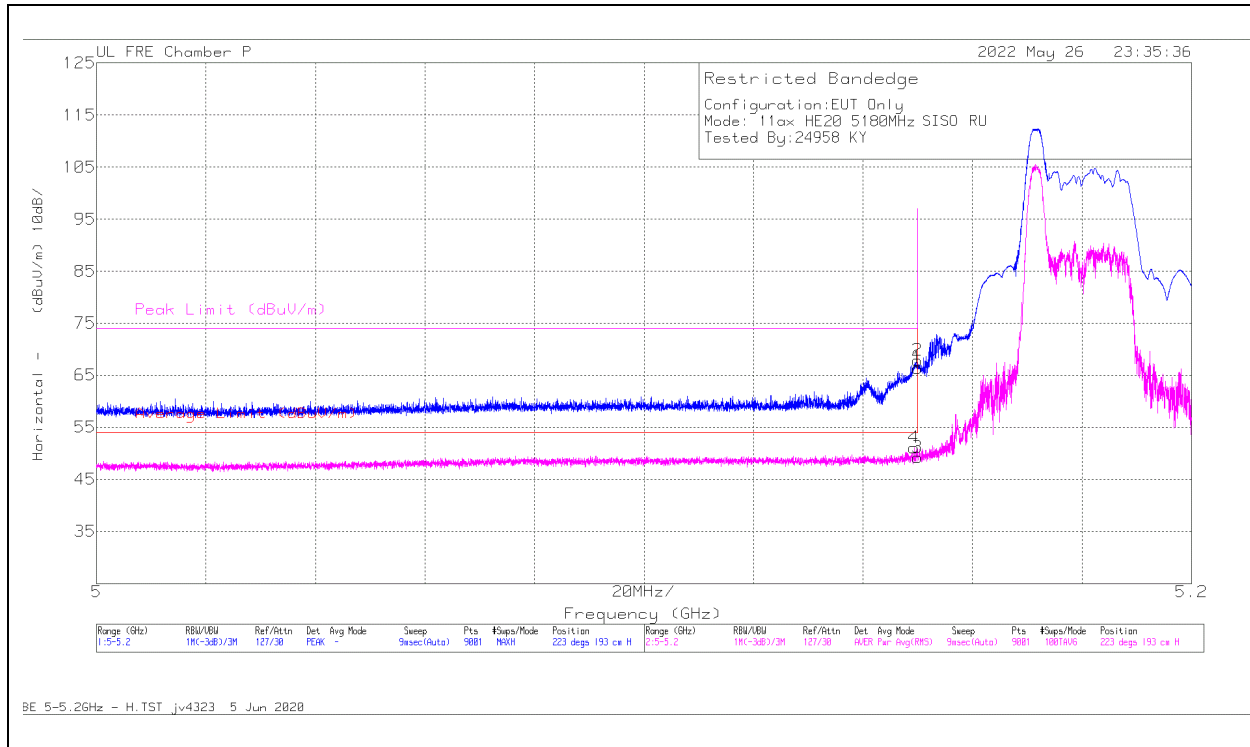
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



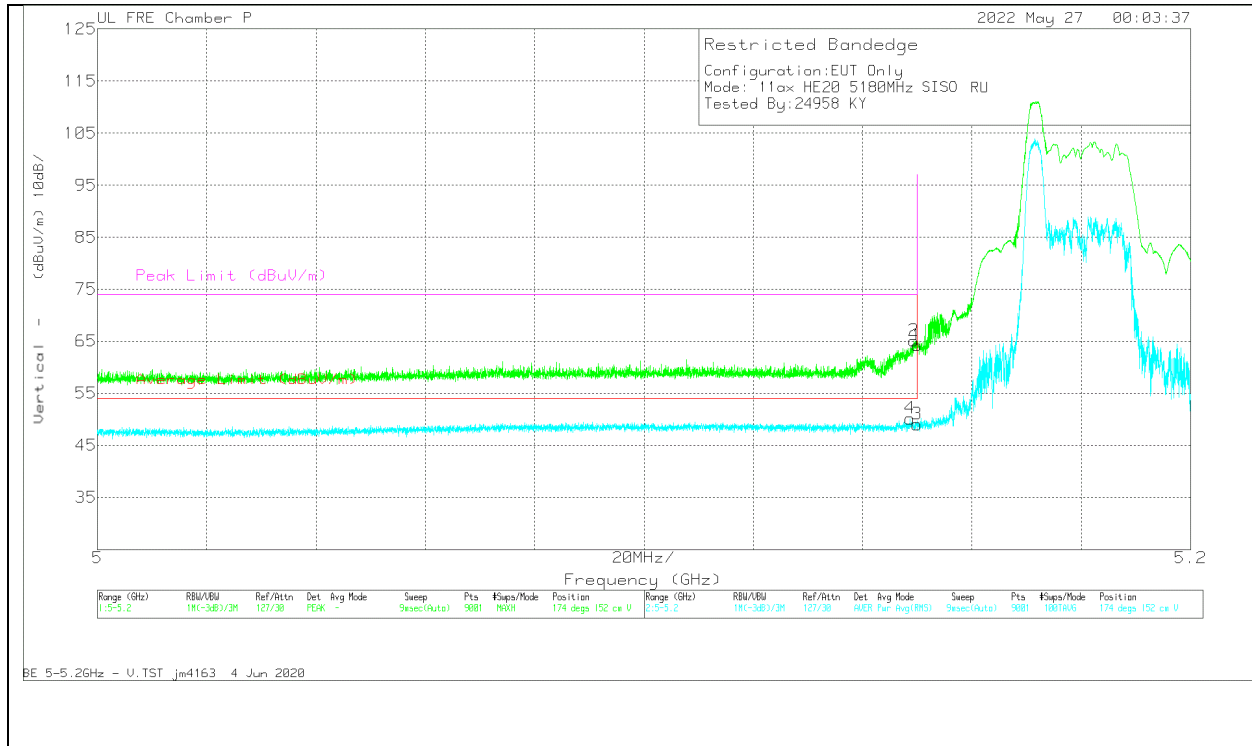
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/Cb/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*5.14931	46.24	RMS	34.4	-30	.46	51.10	54	-2.90	-	-	223	193	H
2	*5.14991	63.59	Pk	34.4	-30.1	0	67.89	-	-	74	-6.11	223	193	H
1	*5.15	62.12	Pk	34.4	-30.1	0	66.42	-	-	74	-7.58	223	193	H
3	*5.15	44.5	RMS	34.4	-30.1	.46	49.26	54	-4.74	-	-	223	193	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 41112 (dB/m)	Amp/CbMF Itr/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
4	*5.148665	45.31	RMS	34.4	-30	.46	50.17	54	-3.83	-	-	174	152	V
2	*5.149399	60.68	Pk	34.4	-30	0	65.08	-	-	74	-8.92	174	152	V
1	*5.15	59.97	Pk	34.4	-30.1	0	64.27	-	-	74	-9.73	174	152	V
3	*5.15	44.28	RMS	34.4	-30.1	.46	49.04	54	-4.96	-	-	174	152	V

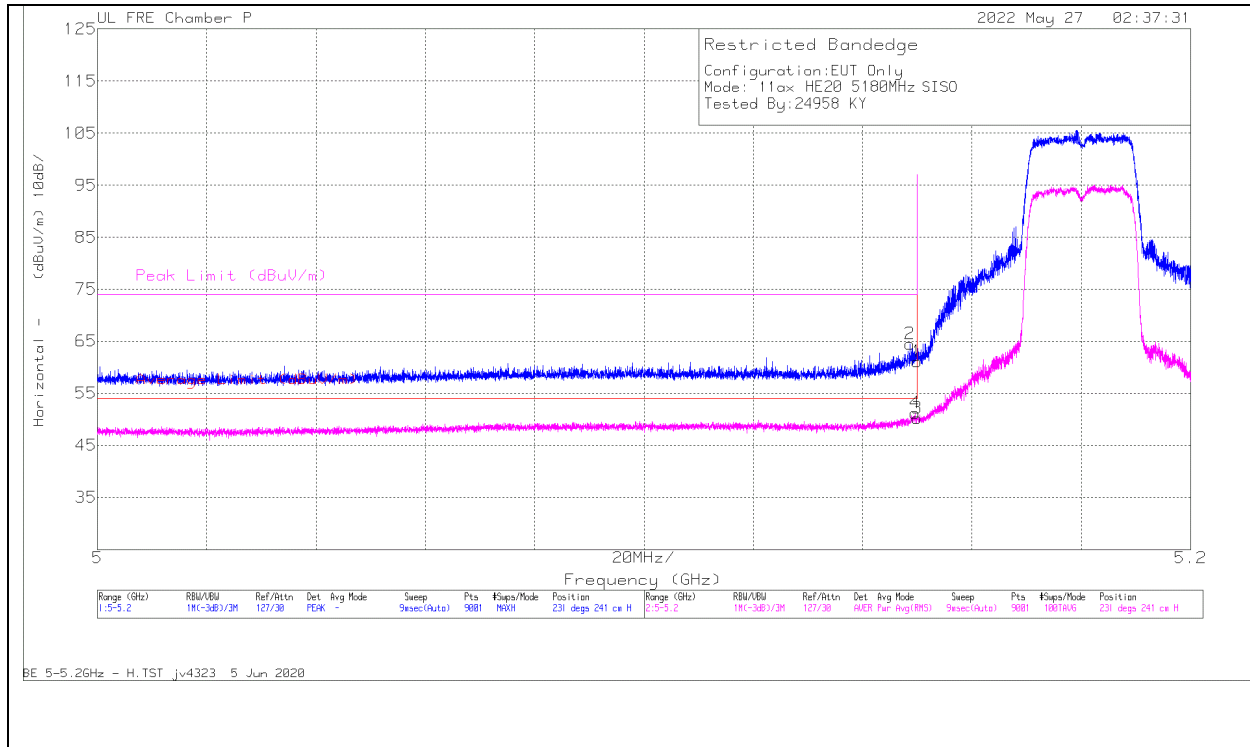
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector
RMS - RMS detection

1TX Antenna 5: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

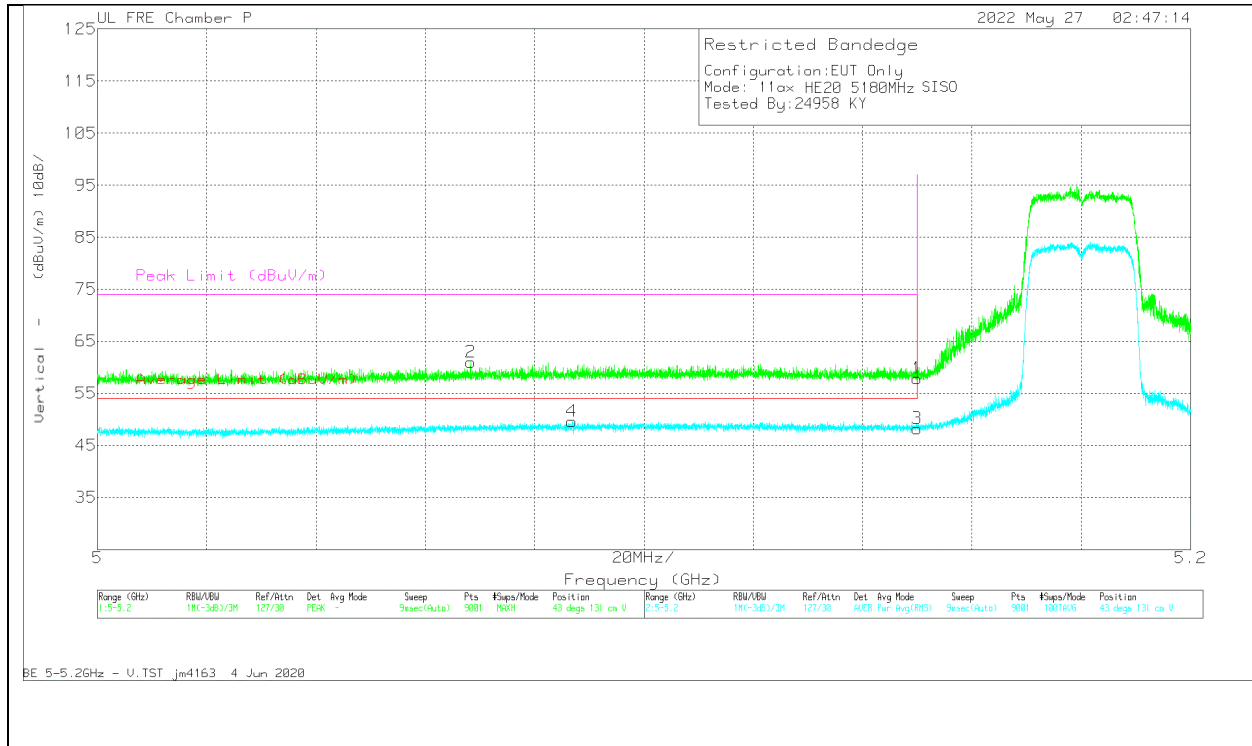


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 41112 (dB/m)	Amp/CbI/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*5.148665	60.1	PK	34.4	-30	0	64.5	-	-	74	-9.5	231	241	H
4	*5.149643	46.31	RMS	34.4	-30.1	.59	51.2	54	-2.8	-	-	231	241	H
1	*5.15	56.85	PK	34.4	-30.1	0	61.15	-	-	74	-12.85	231	241	H
3	*5.15	45.32	RMS	34.4	-30.1	.59	50.21	54	-3.79	-	-	231	241	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 41112 (dB/m)	Amp/CbMF Itr/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
2	*5.068266	56.85	Pk	34.3	-30.2	0	60.95	-	-	74	-13.05	43	131	V
4	*5.086799	44.8	RMS	34.4	-30.2	.59	49.59	54	-4.41	-	-	43	131	V
1	*5.15	53.58	Pk	34.4	-30.1	0	57.88	-	-	74	-16.12	43	131	V
3	*5.15	43.36	RMS	34.4	-30.1	.59	48.25	54	-5.75	-	-	43	131	V

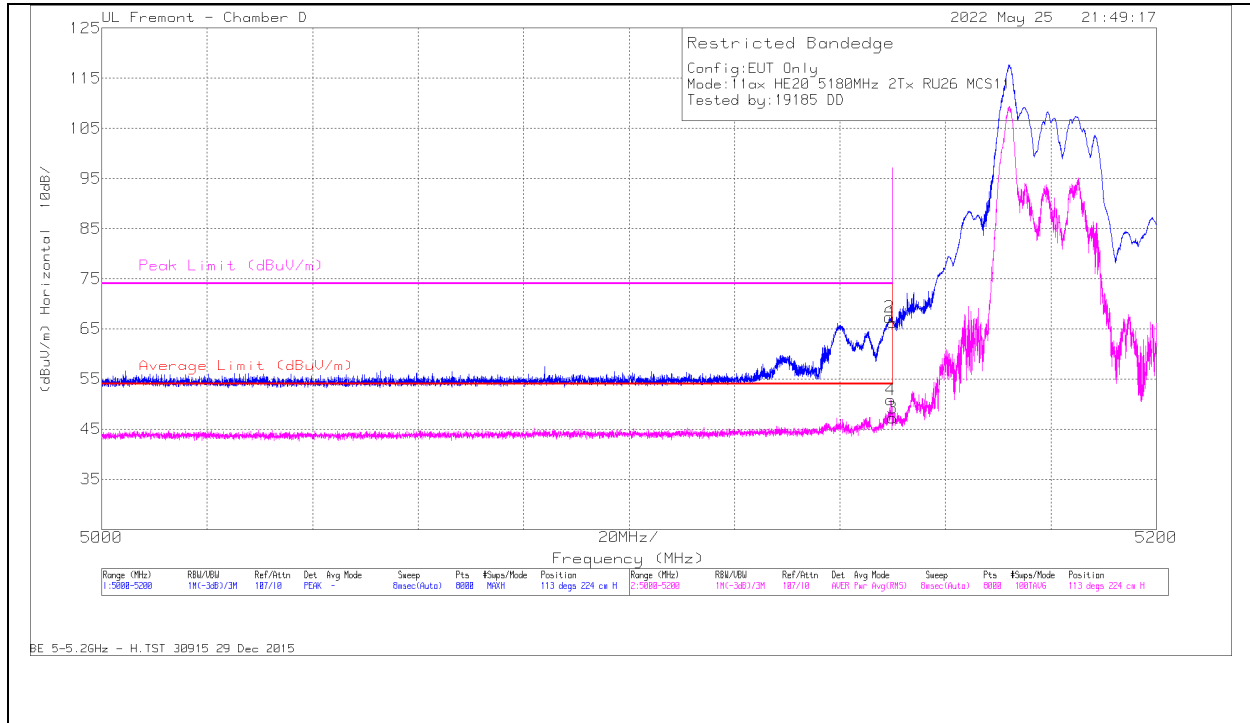
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

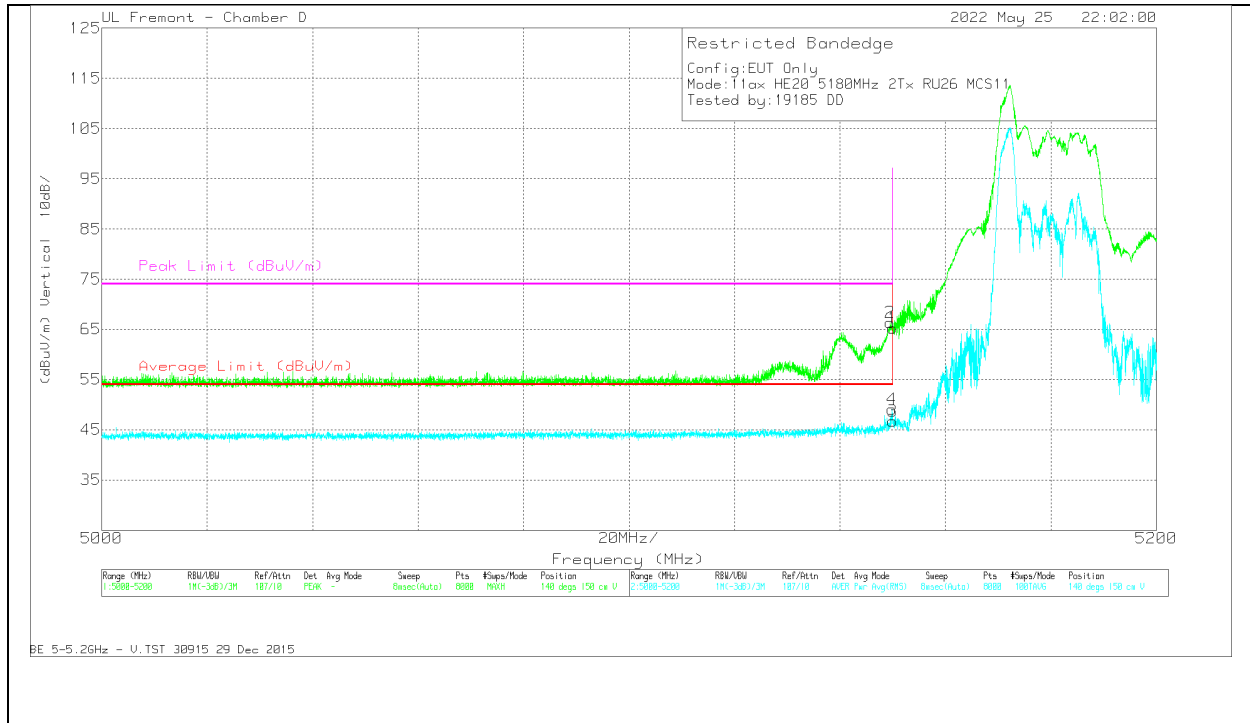


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	49.57	Pk	34.9	-18.2	0	66.27	-	-	74	-7.73	113	224	H
2	* 5149.318	50.6	Pk	34.9	-18.2	0	67.3	-	-	74	-6.7	113	224	H
3	* 5150	30.08	RMS	34.9	-18.2	.46	47.24	54	-6.76	-	-	113	224	H
4	* 5149.593	33.71	RMS	34.9	-18.2	.46	50.87	54	-3.13	-	-	113	224	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



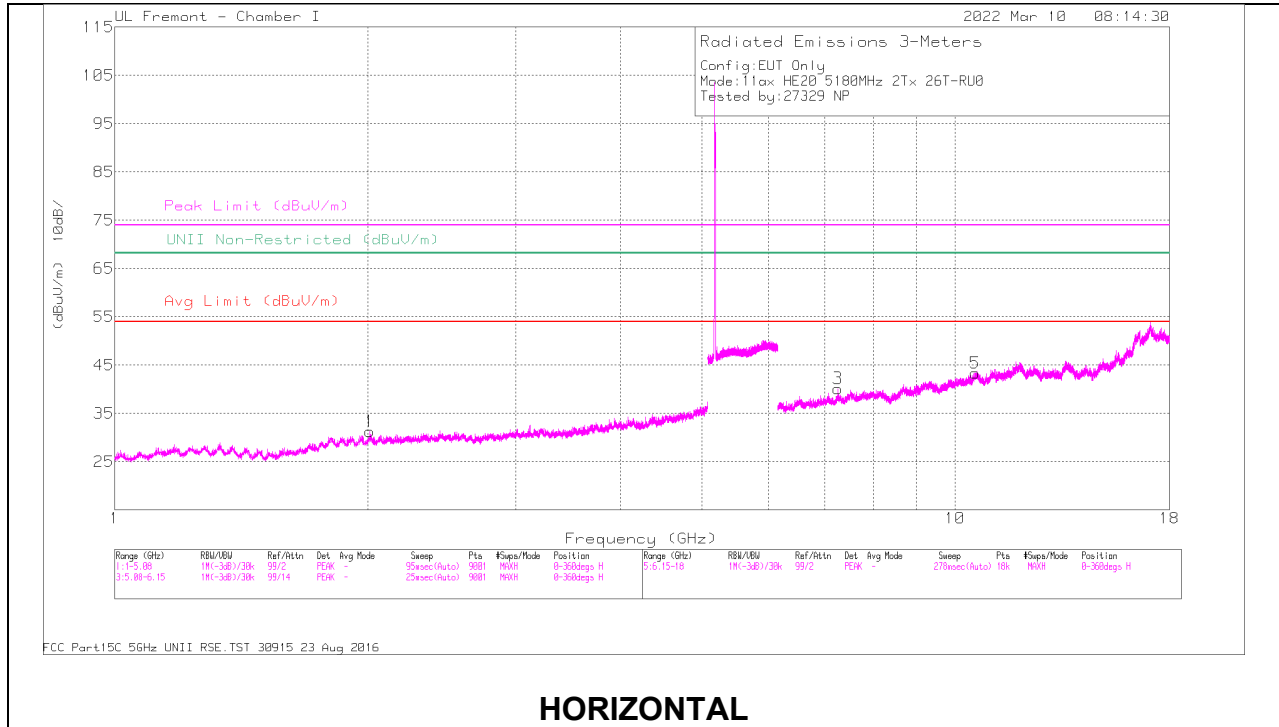
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	48.55	Pk	34.9	-18.2	0	65.25	-	-	74	-8.75	140	150	V
2	* 5149.543	49.64	Pk	34.9	-18.2	0	66.34	-	-	74	-7.66	140	150	V
3	* 5150	29.52	RMS	34.9	-18.2	.46	46.68	54	-7.32	-	-	140	150	V
4	* 5149.843	31.93	RMS	34.9	-18.2	.46	49.09	54	-4.91	-	-	140	150	V

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

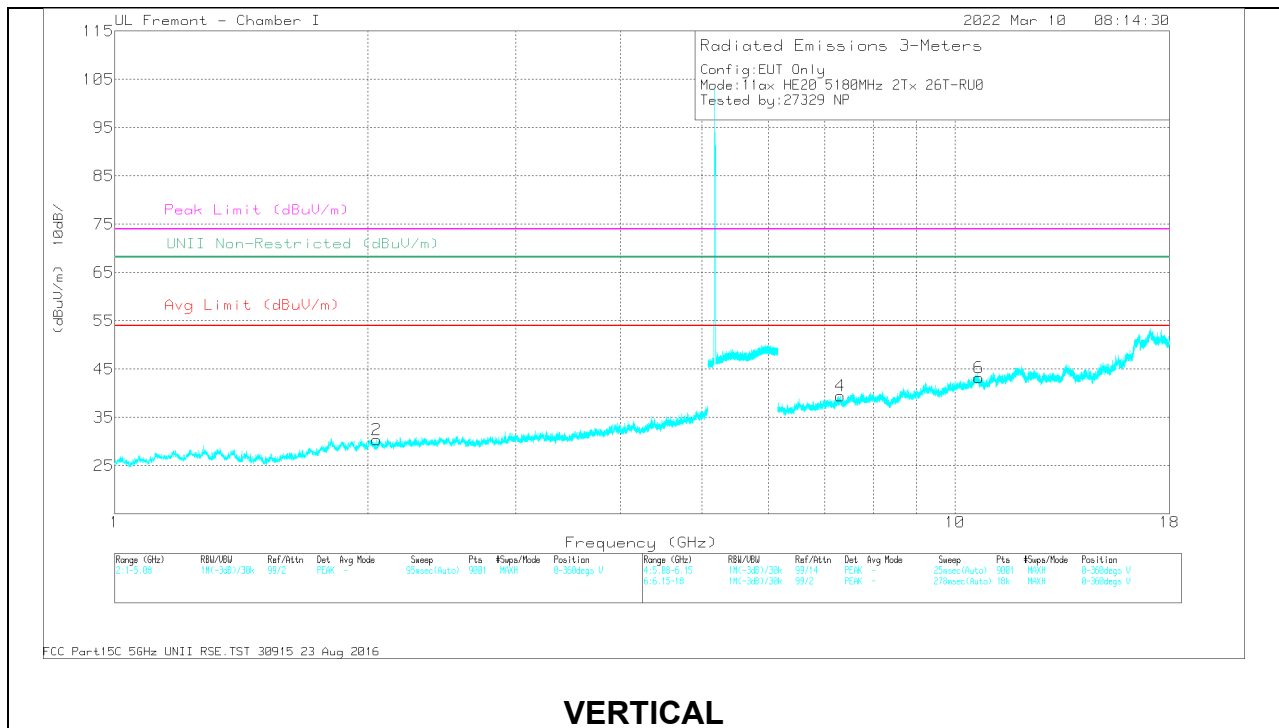
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

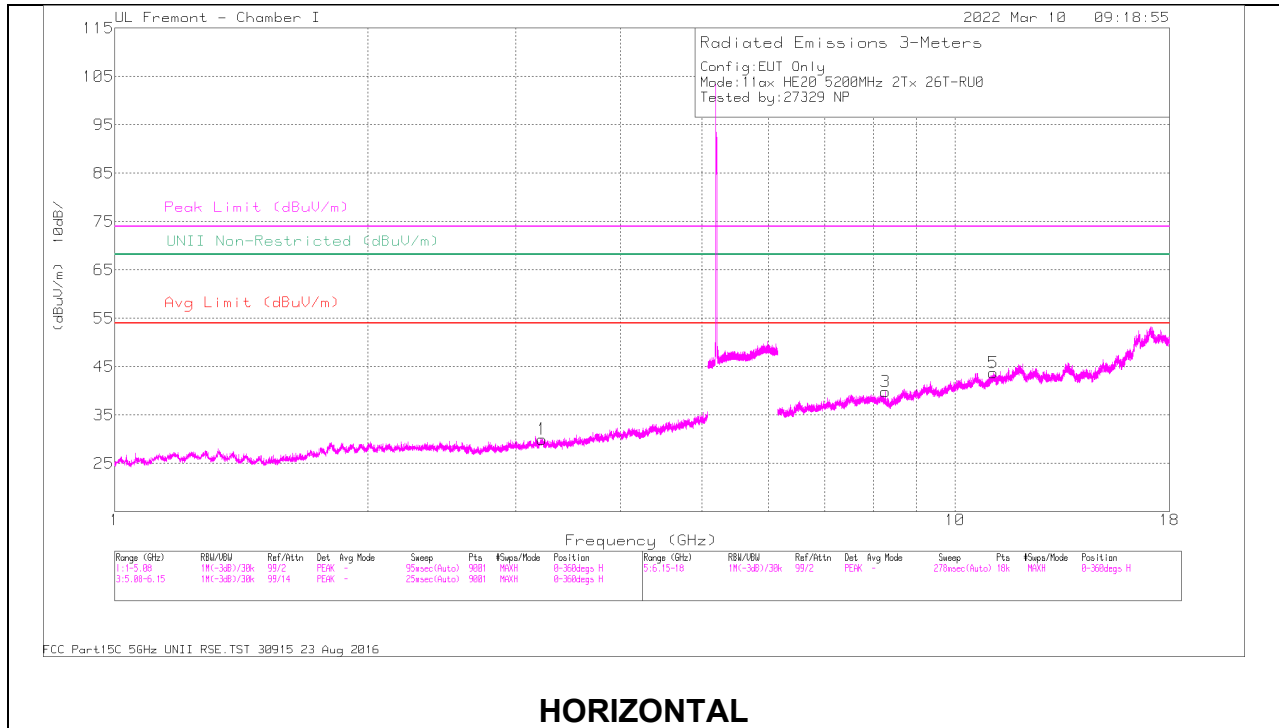
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.01273	38.92	PK-U	31.2	-30.2	39.92	-	-	-	-	68.2	-28.28	73	144	H
2	2.04964	38.38	PK-U	31.1	-30.2	39.28	-	-	-	-	68.2	-28.92	95	174	V
3	* 7.40822	31.43	PK-U	35.6	-20	47.03	-	-	74	-26.97	-	-	353	258	H
	* 7.41946	20.12	ADR	35.6	-20	35.72	54	-18.28	-	-	-	-	353	258	H
5	10.56732	31.82	PK-U	37.3	-16.4	52.72	-	-	-	-	68.2	-15.48	139	307	H
4	* 7.30863	31.94	PK-U	35.6	-19	48.54	-	-	74	-25.46	-	-	59	113	V
	* 7.30799	20.11	ADR	35.6	-19	36.71	54	-17.29	-	-	-	-	59	113	V
6	* 10.6707	31.59	PK-U	37.4	-16.4	52.59	-	-	74	-21.41	-	-	118	328	V
	* 10.6726	19.73	ADR	37.4	-16.4	40.73	54	-13.27	-	-	-	-	118	328	V

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

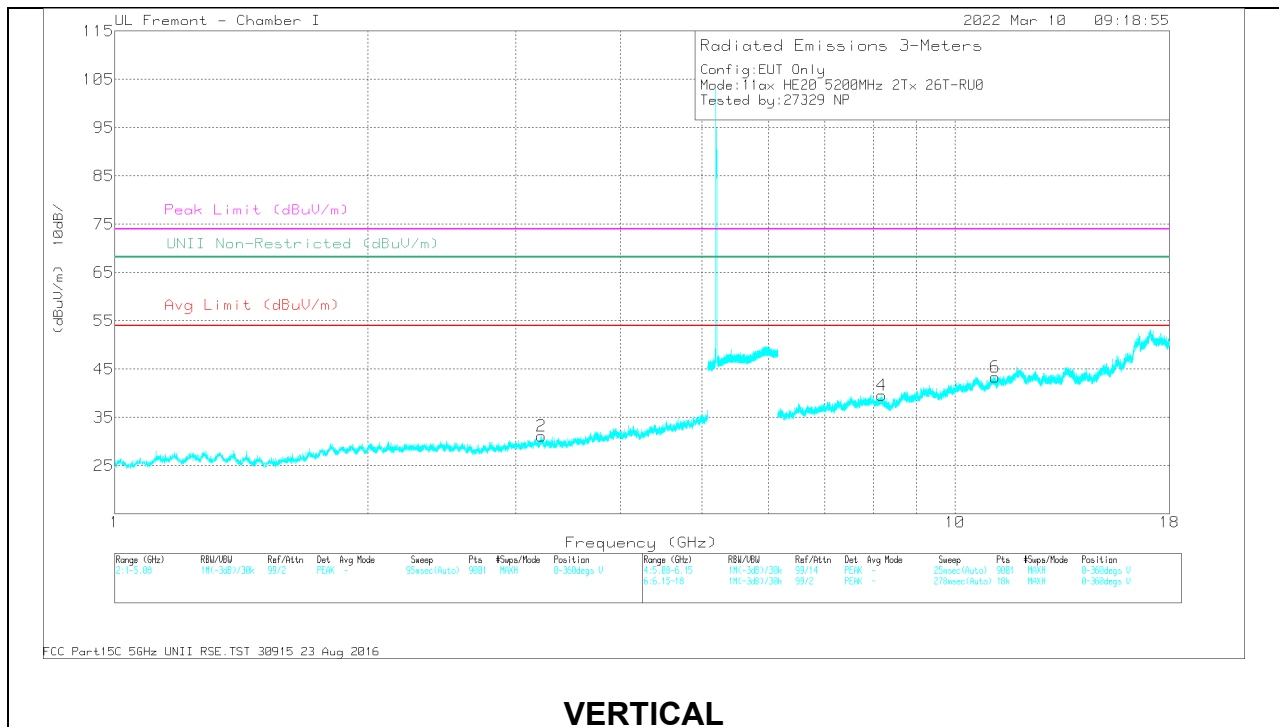
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

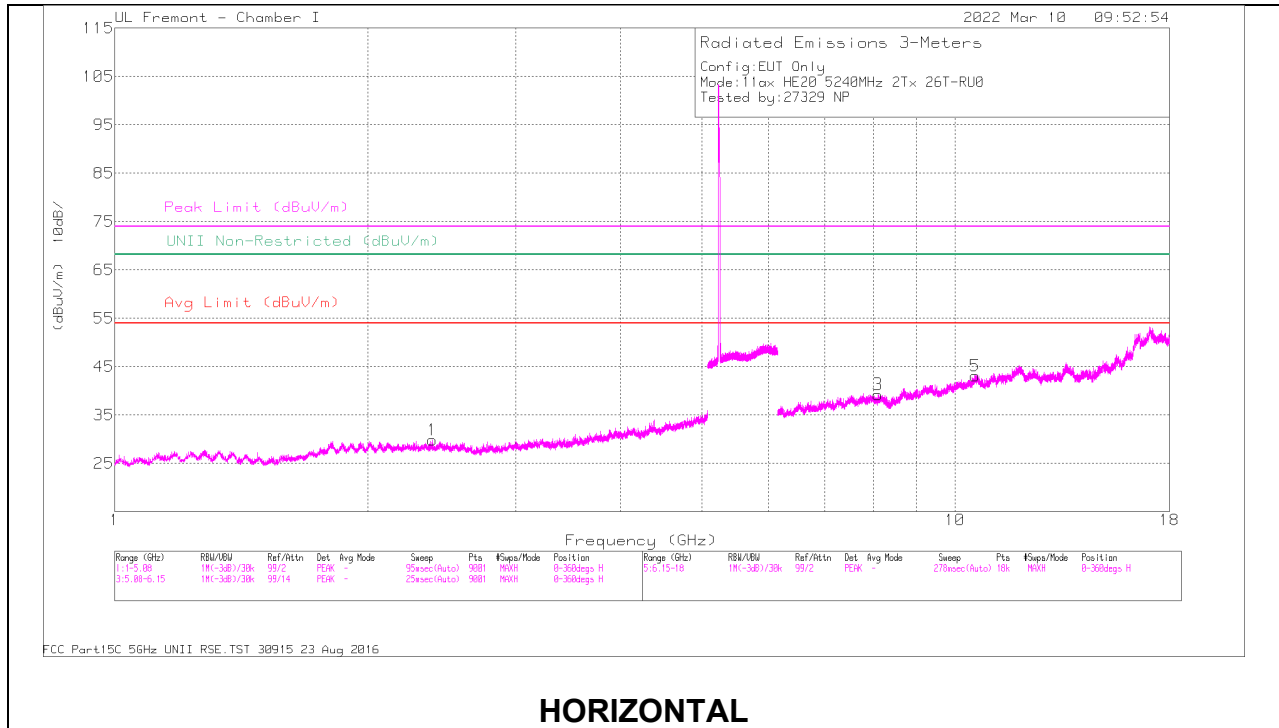
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (dB/m)	Amp/Cbl/ Filt/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	3.22634	35.85	PK-U	32.7	-27.7	40.85	-	-	-	-	68.2	-27.35	8	297	H
2	3.21963	35.21	PK-U	32.8	-27.6	40.41	-	-	-	-	68.2	-27.79	268	360	V
3	* 8.2661	31.46	PK-U	35.6	-18.8	48.26	-	-	74	-25.74	-	-	143	310	H
	* 8.2684	20.03	ADR	35.6	-18.8	36.83	54	-17.17	-	-	-	-	143	310	H
5	* 11.1039	31.39	PK-U	37.9	-16.6	52.69	-	-	74	-21.31	-	-	306	304	H
	* 11.1032	19.65	ADR	37.9	-16.6	40.95	54	-13.05	-	-	-	-	306	304	H
4	* 8.1839	30.98	PK-U	35.6	-18.2	48.38	-	-	74	-25.62	-	-	292	188	V
	* 8.1843	19.69	ADR	35.6	-18.2	37.09	54	-16.91	-	-	-	-	292	188	V
6	* 11.1649	30.88	PK-U	37.9	-16.2	52.58	-	-	74	-21.42	-	-	56	131	V
	* 11.1645	19.28	ADR	37.9	-16.2	40.98	54	-13.02	-	-	-	-	56	131	V

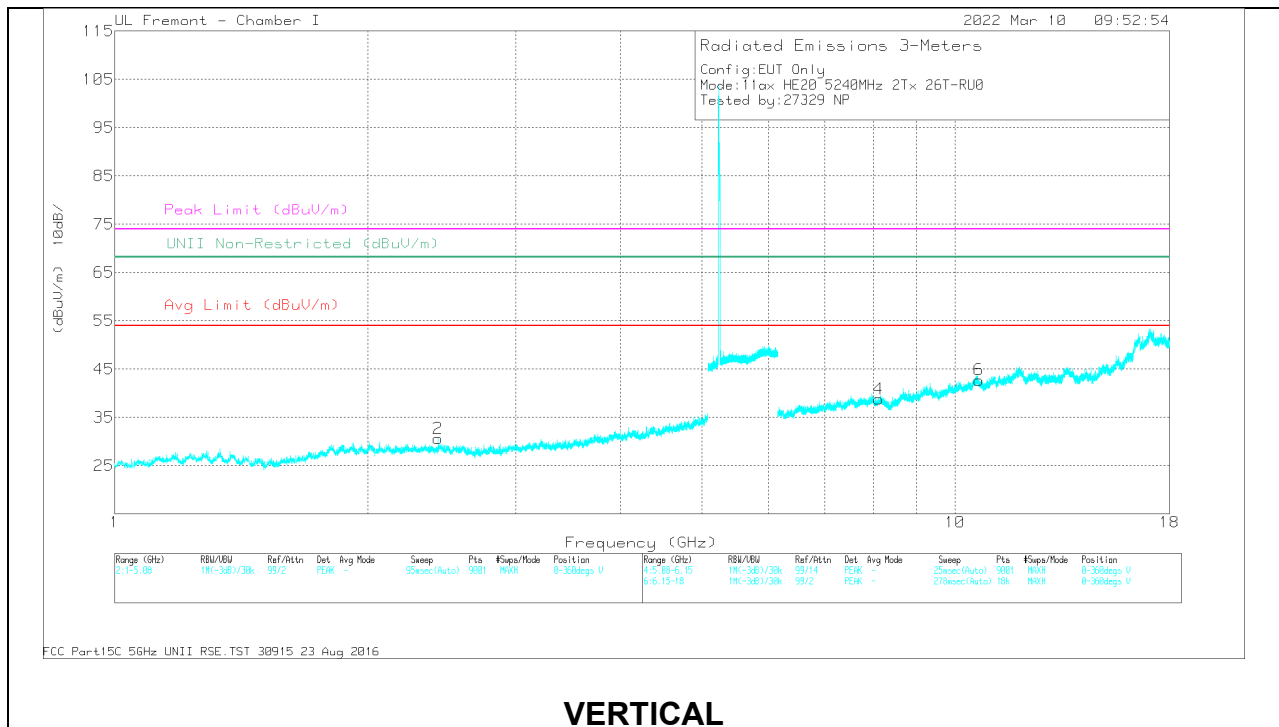
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (dB/m)	Amp/Cbl/F Itr/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	* 2.3865	36.52	PK-U	31.9	-29.7	38.72	-	-	74	-35.28	-	-	287	152	H
	* 2.3891	24.52	ADR	31.9	-29.7	26.72	54	-27.28	-	-	-	-	287	152	H
2	2.4261	36.86	PK-U	32.1	-29.7	39.26	-	-	-	-	68.2	-28.94	173	188	V
3	* 8.0965	30.99	PK-U	35.7	-18.8	47.89	-	-	74	-26.11	-	-	14	198	H
	* 8.0989	19.65	ADR	35.7	-18.8	36.55	54	-17.45	-	-	-	-	14	198	H
5	10.569	31.89	PK-U	37.3	-16.4	52.79	-	-	-	-	68.2	-15.41	296	153	H
4	* 8.107	32.23	PK-U	35.7	-18.8	49.13	-	-	74	-24.87	-	-	303	303	V
	* 8.106	20.27	ADR	35.7	-18.8	37.17	54	-16.83	-	-	-	-	303	303	V
6	* 10.672	31.13	PK-U	37.4	-16.4	52.13	-	-	74	-21.87	-	-	107	390	V
	* 10.675	19.86	ADR	37.4	-16.4	40.86	54	-13.14	-	-	-	-	107	390	V

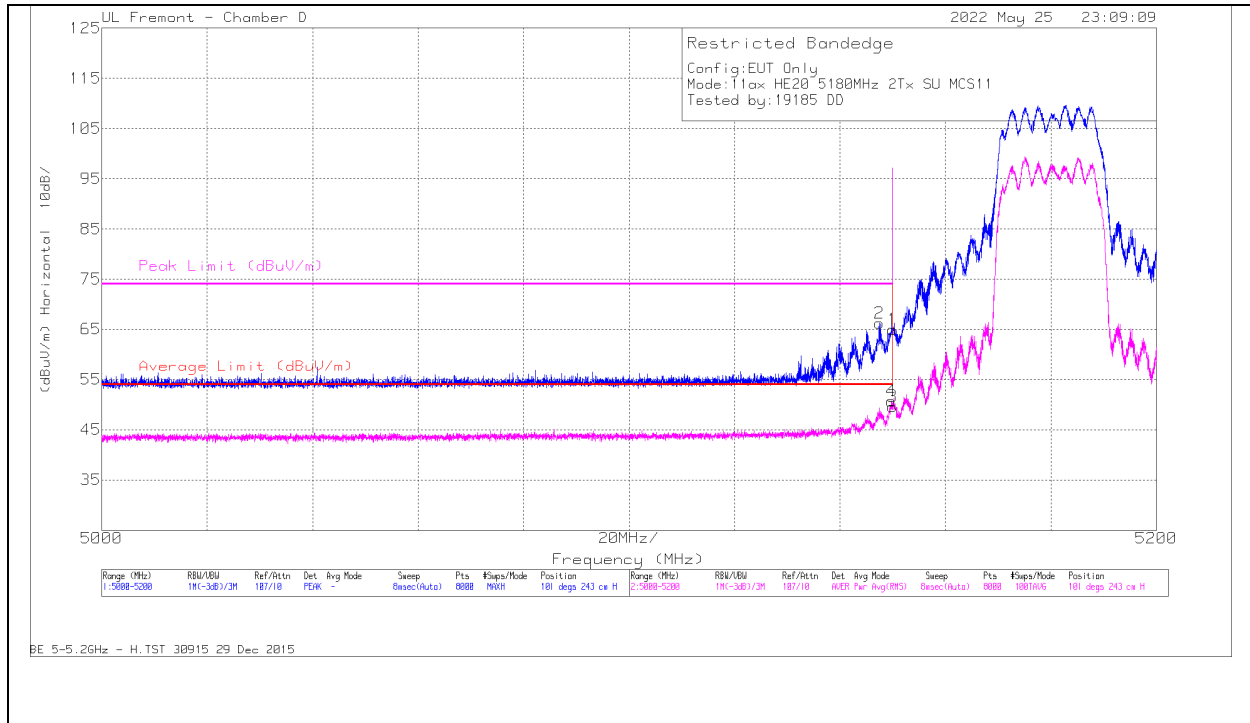
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

2TX Antenna 6 + Antenna 5: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

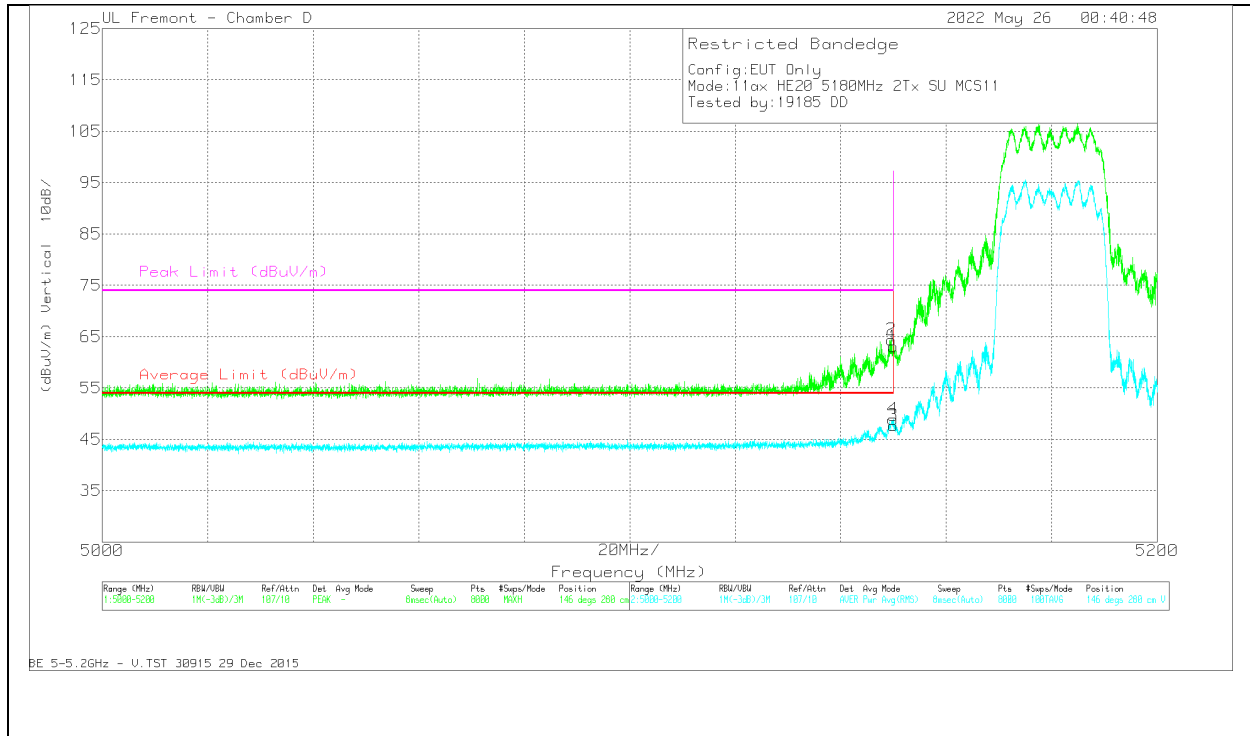


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbll/ Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	48.3	Pk	34.9	-18.2	0	65	-	-	74	-9	101	243	H
2	* 5147.418	49.55	Pk	34.9	-18.2	0	66.25	-	-	74	-7.75	101	243	H
3	* 5150	32.31	RMS	34.9	-18.2	.59	49.60	54	-4.40	-	-	101	243	H
4	* 5149.768	33.36	RMS	34.9	-18.2	.59	50.65	54	-3.35	-	-	101	243	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



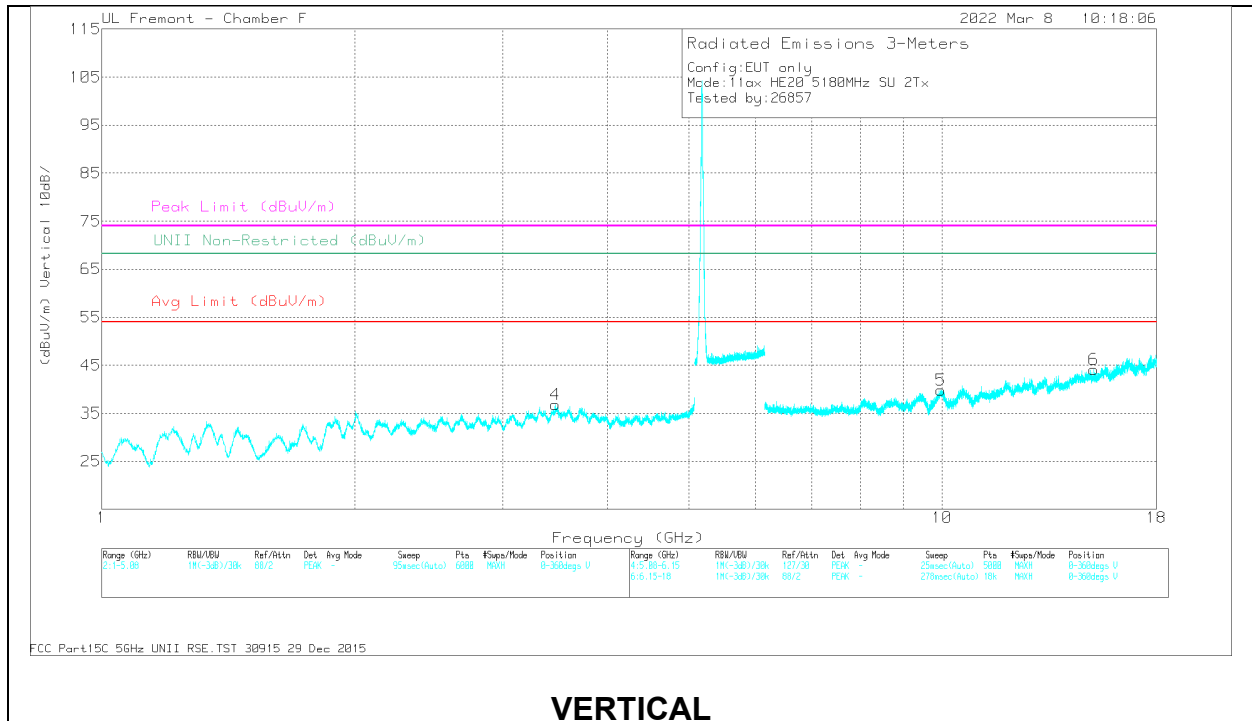
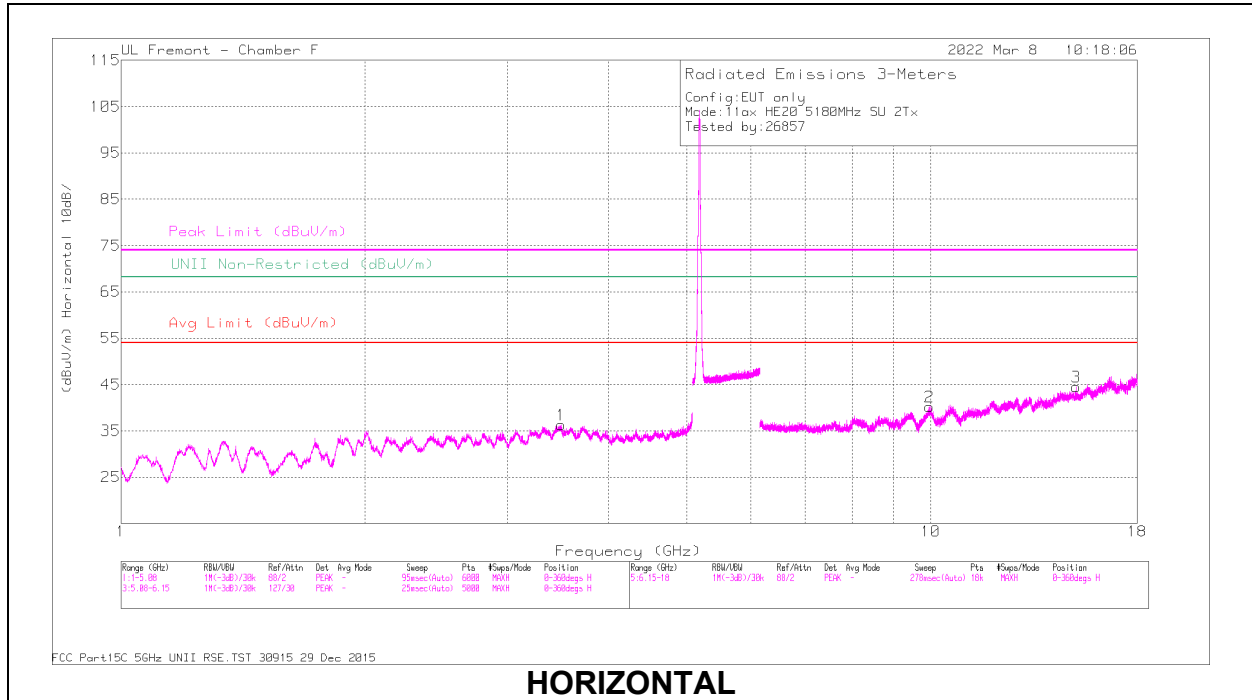
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	46.39	Pk	34.9	-18.2	0	63.09	-	-	74	-10.91	146	280	V
2	* 5149.593	47.71	Pk	34.9	-18.2	0	64.41	-	-	74	-9.59	146	280	V
3	* 5150	30.36	RMS	34.9	-18.2	.59	47.65	54	-6.35	-	-	146	280	V
4	* 5149.893	31.62	RMS	34.9	-18.2	.59	48.91	54	-5.09	-	-	146	280	V

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

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



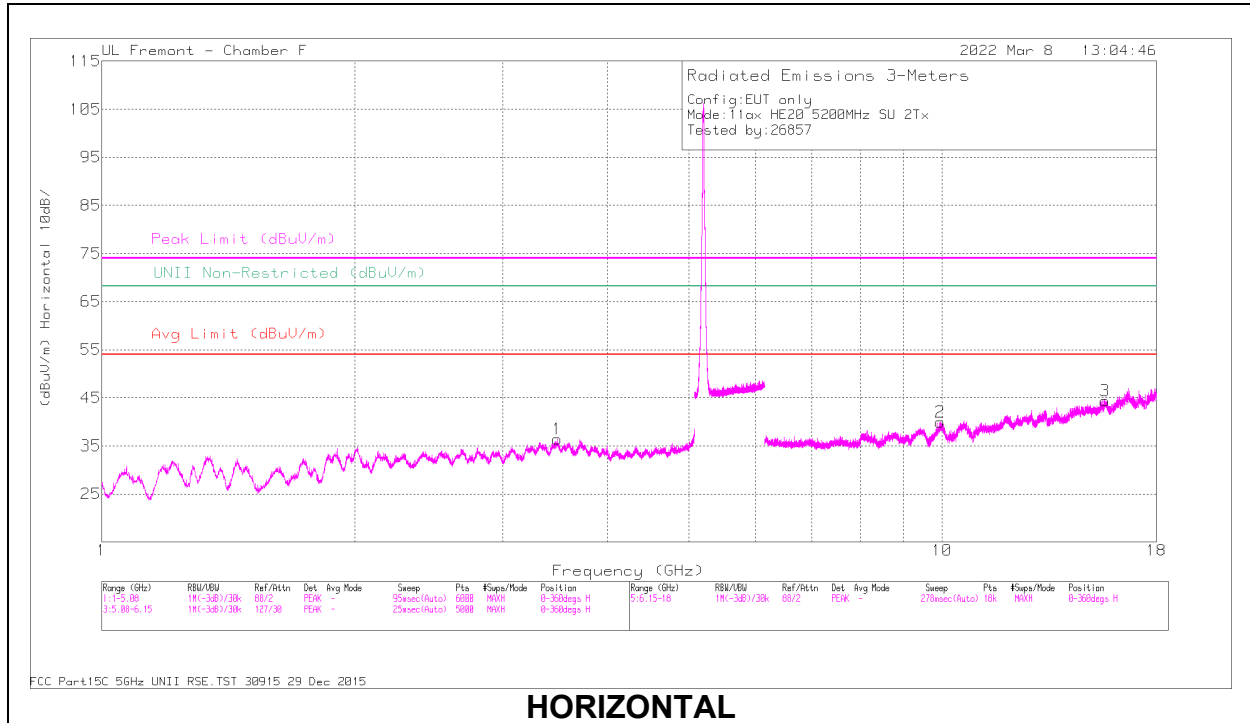
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.4939	57.03	PK-U	35.5	-46.8	45.73	68.2	-22.47	130	127	H
4	3.4688	57.17	PK-U	35.6	-46.9	45.87	68.2	-22.33	6	118	V
2	9.9726	59.2	PK-U	37.1	-46.4	49.9	68.2	-18.3	303	170	H
3	15.128	57.83	PK-U	40.2	-46	52.03	68.2	-16.17	228	217	H
5	9.9725	58.62	PK-U	37.1	-46.4	49.32	68.2	-18.88	9	318	V
6	15.169	57.92	PK-U	40.3	-45.5	52.72	68.2	-15.48	99	314	V

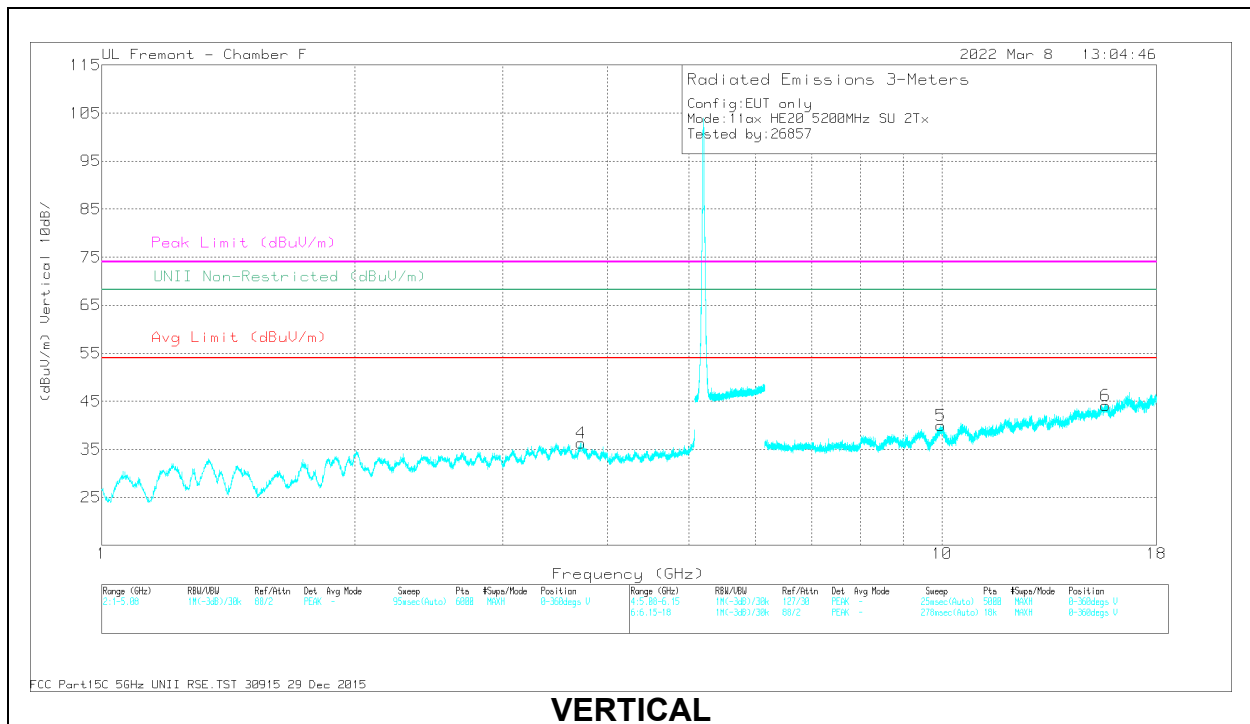
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

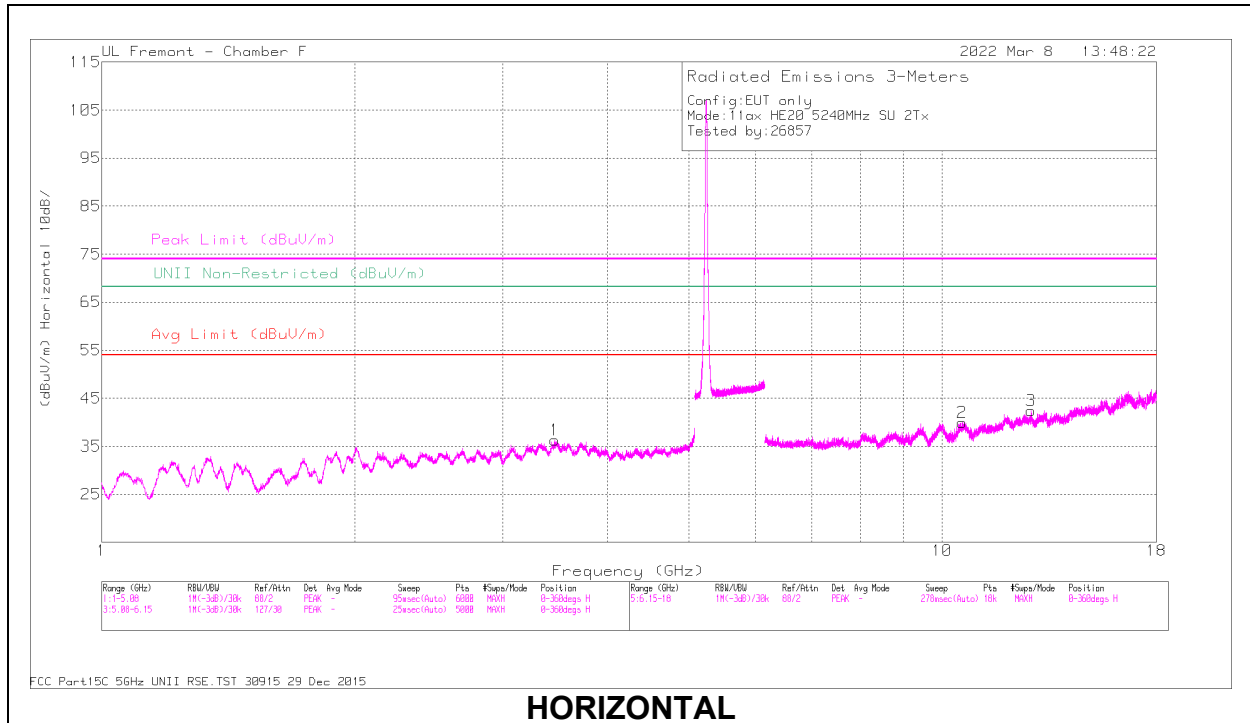
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/F Itri/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.484	57.26	PK-U	35.5	-46.8	0	45.96	-	-	-	-	68.2	-22.24	4	110	H
4	* 3.719	57.94	PK-U	34.7	-46.7	0	45.94	-	-	74	-28.06	-	-	0	184	V
	* 3.717	45.96	ADR	34.7	-46.8	0	33.86	54	-20.14	-	-	-	-	0	184	V
2	9.958	59.55	PK-U	37.1	-46.4	0	50.25	-	-	-	-	68.2	-17.95	358	243	H
3	* 15.64	58.25	PK-U	40.8	-45.7	0	53.35	-	-	74	-20.65	-	-	239	194	H
	* 15.64	46.84	ADR	40.8	-45.7	0	41.94	54	-12.06	-	-	-	-	239	194	H
5	9.969	58.85	PK-U	37.1	-46.5	0	49.45	-	-	-	-	68.2	-18.75	47	190	V
6	* 15.656	58.46	PK-U	40.9	-45.8	0	53.56	-	-	74	-20.44	-	-	198	398	V
	* 15.659	46.25	ADR	40.9	-45.7	0	41.45	54	-12.55	-	-	-	-	198	398	V

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

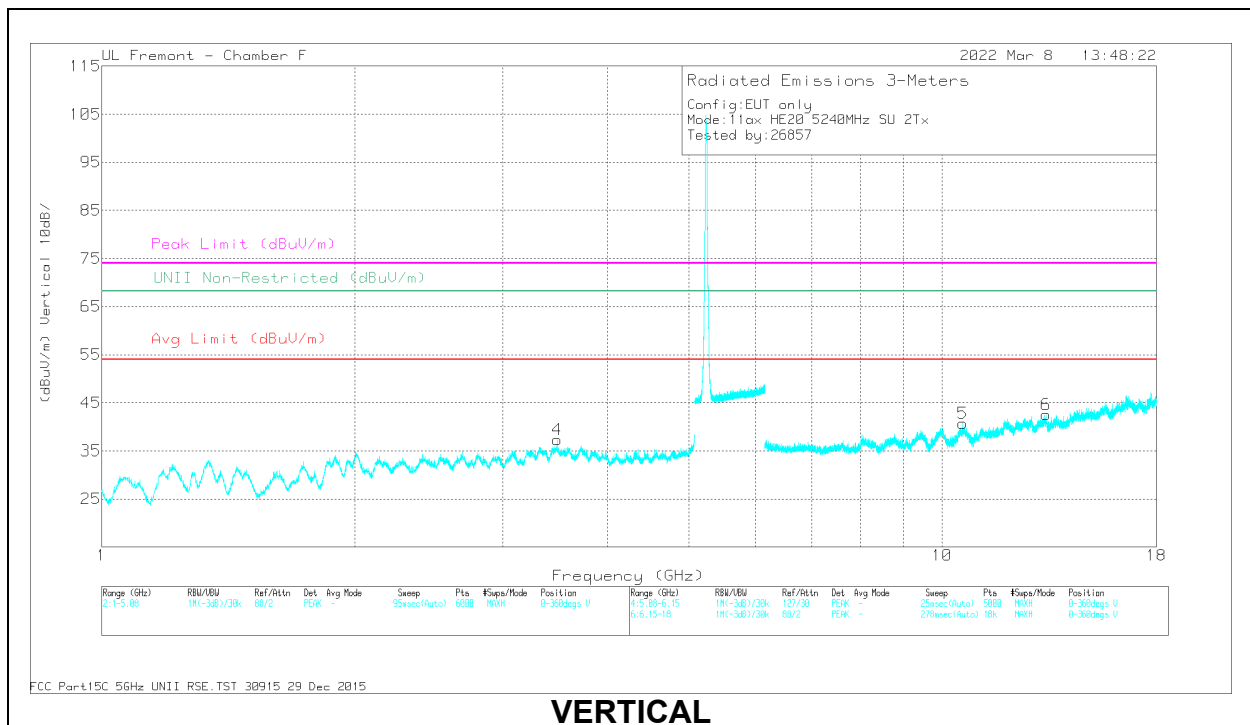
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/F Itri/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	3.461	56.95	PK-U	35.5	-46.8	0	45.65	-	-	-	-	68.2	-22.55	351	317	H
4	3.485	57.22	PK-U	35.5	-46.8	0	45.92	-	-	-	-	68.2	-22.28	257	160	V
2	10.577	57.83	PK-U	37.9	-46	0	49.73	-	-	-	-	68.2	-18.47	19	183	H
3	12.765	55.28	PK-U	39.7	-44.1	0	50.88	-	-	-	-	68.2	-17.32	27	303	H
5	10.582	57.86	PK-U	37.9	-45.8	0	49.96	-	-	-	-	68.2	-18.24	194	257	V
6	* 13.304	55.9	PK-U	39.6	-44.2	0	51.3	-	-	74	-22.7	-	-	16	255	V
	* 13.047	44.62	ADR	39.6	-44.2	0	40.02	54	-13.98	-	-	-	-	16	255	V

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

PK-U - U-NII: Maximum Peak

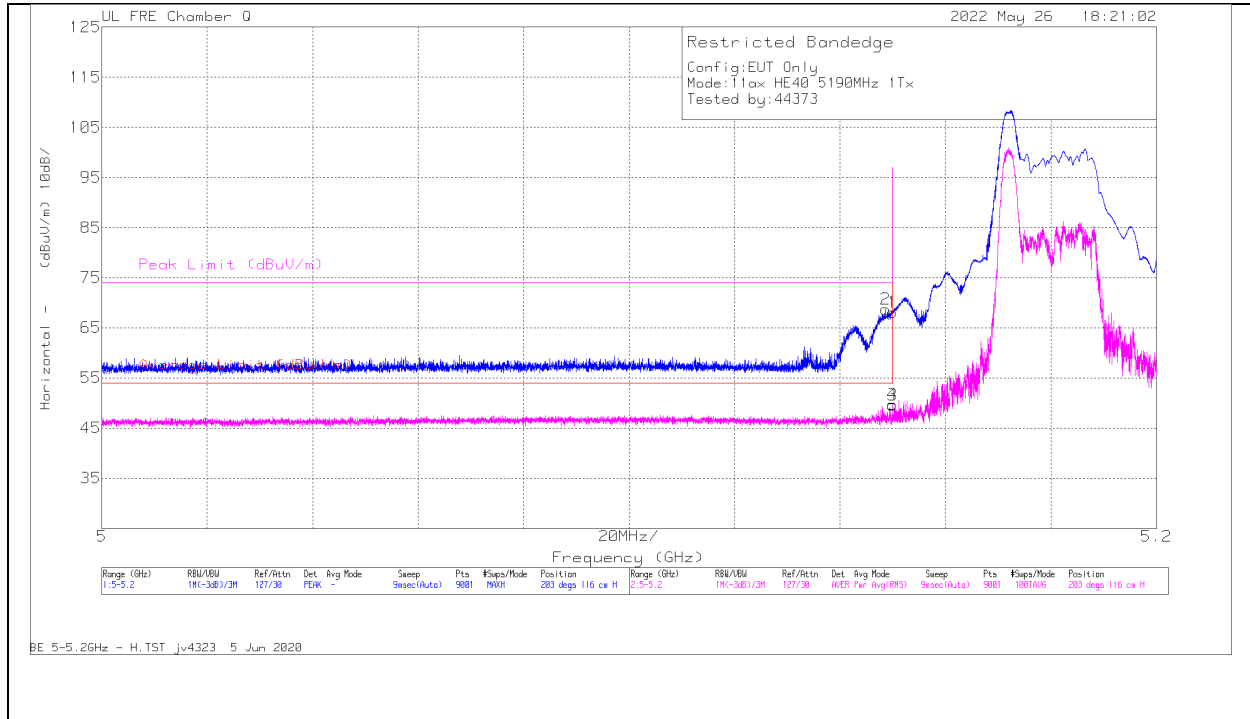
ADR - U-NII AD primary method, RMS average

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

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

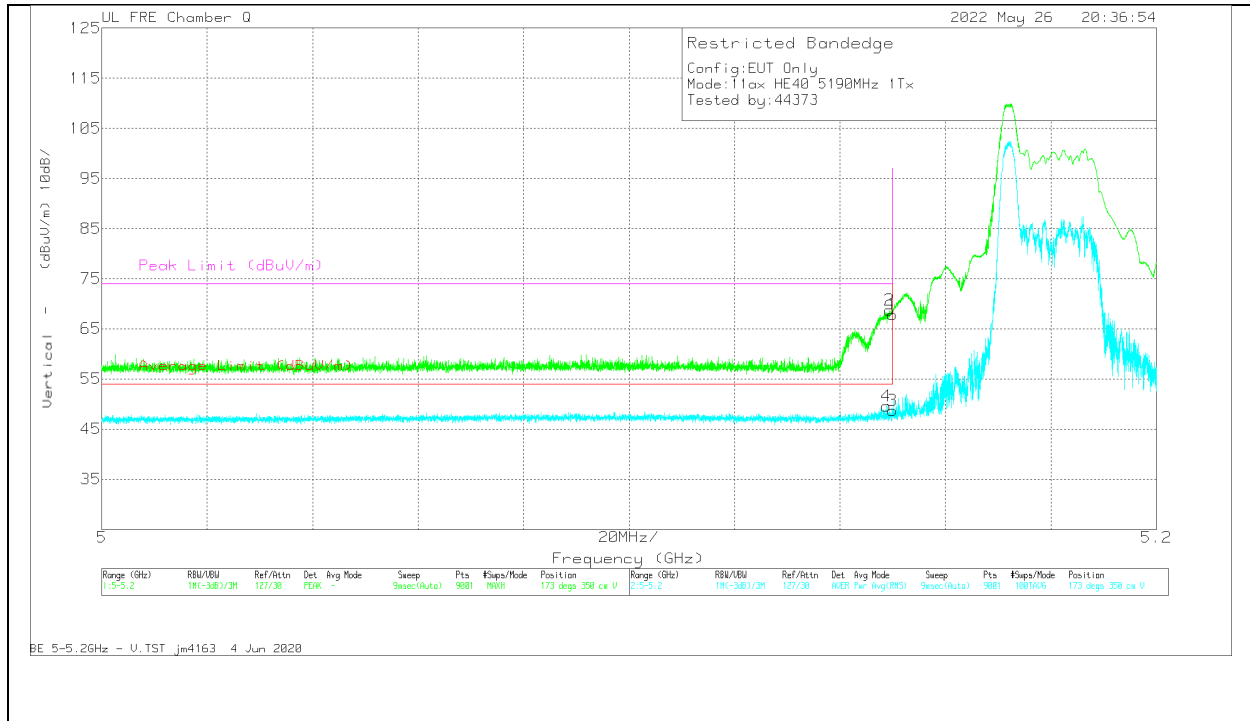


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*5.148643	65.79	Pk	34.3	-31.4	0	68.69	-	-	74	-5.31	203	116	H
4	*5.149999	46.87	RMS	34.3	-31.4	0.47	50.24	54	-3.76	-	-	203	116	H
1	*5.15	65.24	Pk	34.3	-31.4	0	68.14	-	-	74	-5.86	203	116	H
3	*5.15	46.74	RMS	34.3	-31.4	0.47	50.11	54	-3.89	-	-	203	116	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 200895 (dB/m)	Amp/CbllF Ir/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
4	*5.148799	46.68	RMS	34.3	-31.4	0.47	50.05	54	-3.95	-	-	173	350	V
2	*5.149354	65.84	Pk	34.3	-31.4	0	68.74	-	-	74	-5.26	173	350	V
1	*5.15	64.98	PK	34.3	-31.4	0	67.88	-	-	74	-6.12	173	350	V
3	*5.15	45.8	RMS	34.3	-31.4	0.47	49.17	54	-4.83	-	-	173	350	V

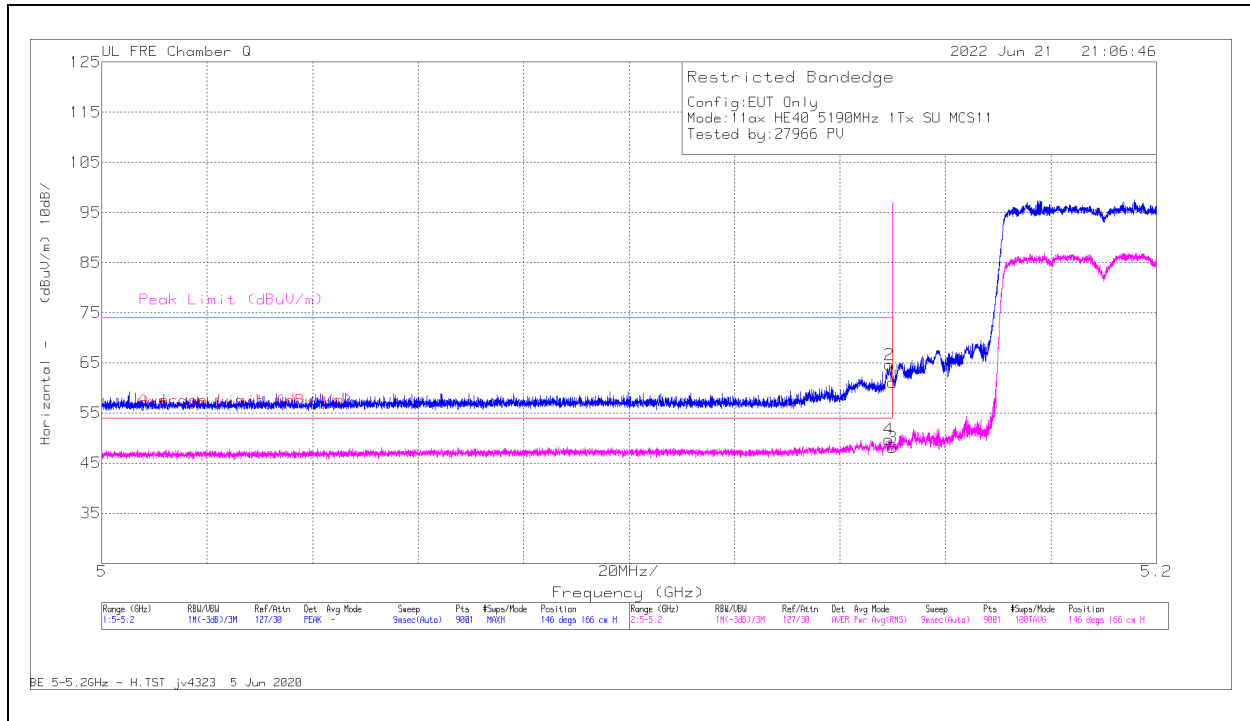
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector
RMS - RMS detection

1TX Antenna 6: SU, Single User

BANDEDGE (LOW CHANNEL)

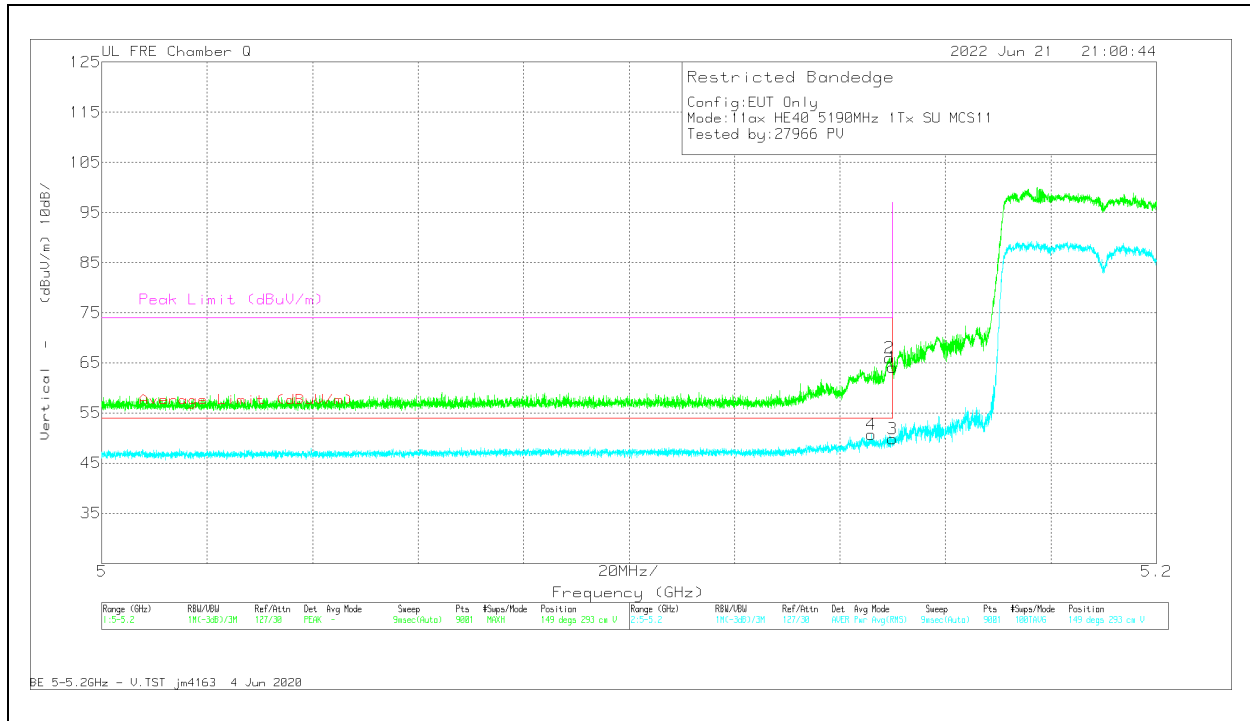
HORIZONTAL RESULT



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
4	5.149199	46.08	RMS	34.3	-31.4	.80	49.78	54	-4.22	-	-	146	166	H
2	5.149376	61.73	Pk	34.3	-31.4	0	64.63	-	-	74	-9.37	146	166	H
1	5.15	58.25	Pk	34.3	-31.4	0	61.15	-	-	74	-12.85	146	166	H
3	5.15	44.42	RMS	34.3	-31.4	.80	48.12	54	-5.88	-	-	146	166	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



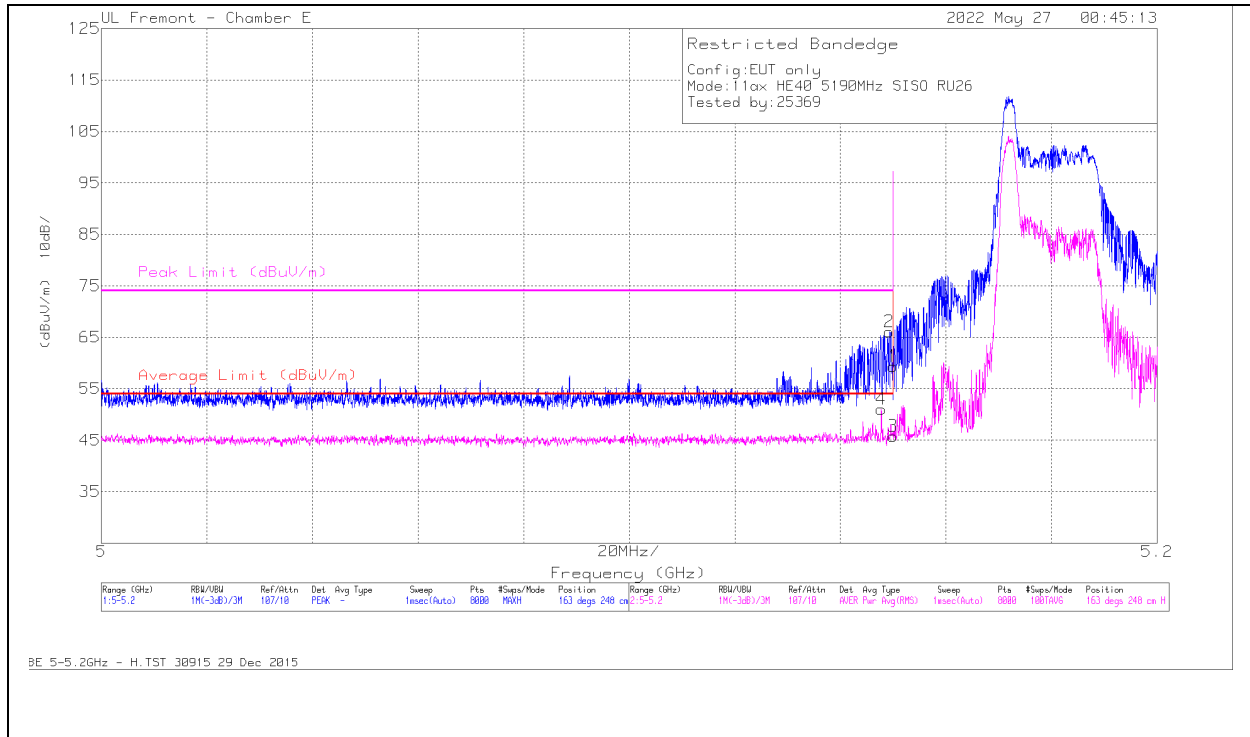
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	61.24	Pk	34.3	-31.4	0	64.14	-	-	74	-9.86	149	293	V
2	5.149421	63.04	Pk	34.3	-31.4	0	65.94	-	-	74	-8.06	149	293	V
3	5.15	46.17	RMS	34.3	-31.4	.80	49.87	54	-4.13	-	-	149	293	V
4	5.145954	47.08	RMS	34.3	-31.4	.80	50.78	54	-3.22	-	-	149	293	V

Pk - Peak detector
RMS - RMS detection

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

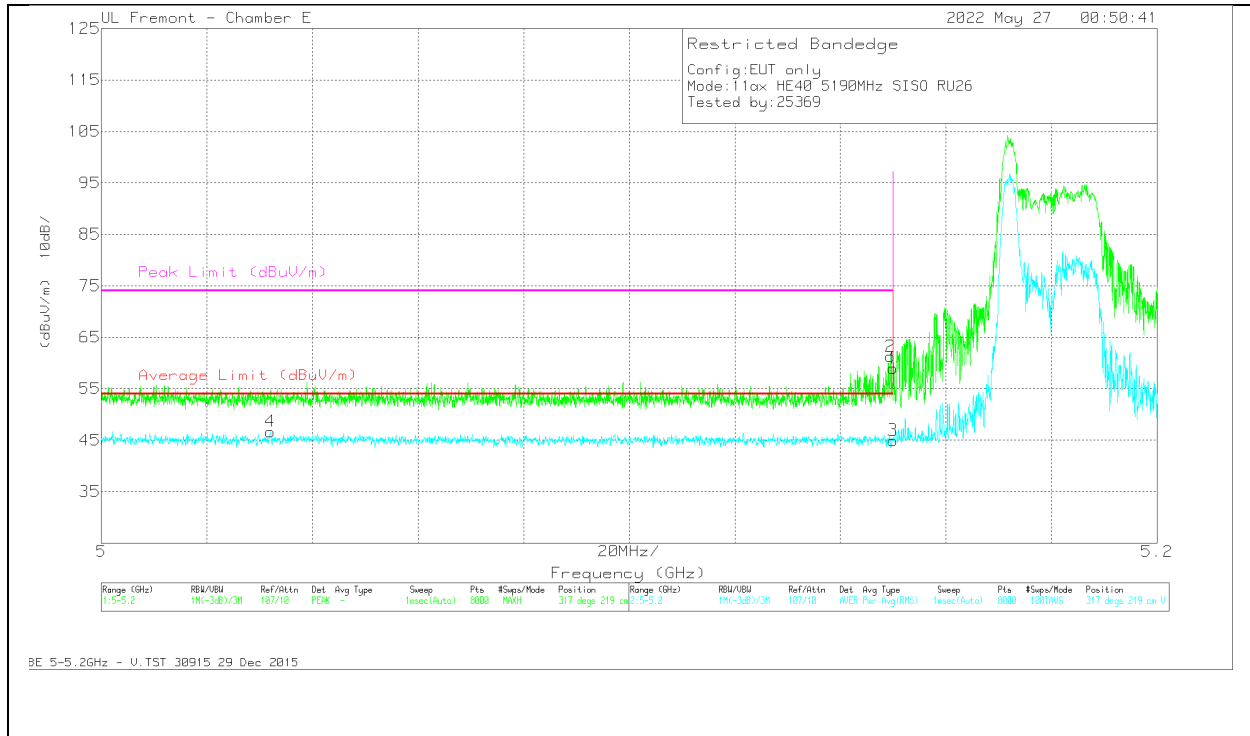


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.147743	37.94	RMS	34.5	-21.4	0.47	51.51	54	-2.49	-	-	163	248	H
2	* 5.149243	52.99	Pk	34.5	-21.4	0	66.09	-	-	74	-7.91	163	248	H
1	* 5.15	46.27	Pk	34.5	-21.4	0	59.37	-	-	74	-14.63	163	248	H
3	* 5.15	32.69	RMS	34.5	-21.4	0.47	46.26	54	-7.74	-	-	163	248	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/P ad (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	34.5	-21.4	0	58.96	-	-	74	-15.04	317	219	V
2	* 5.149468	48.19	Pk	34.5	-21.4	0	61.29	-	-	74	-12.71	317	219	V
3	* 5.15	31.83	RMS	34.5	-21.4	0.47	45.30	54	-8.70	-	-	317	219	V
4	* 5.032054	33.87	RMS	34.1	-21.3	0.47	47.14	54	-6.86	-	-	317	219	V

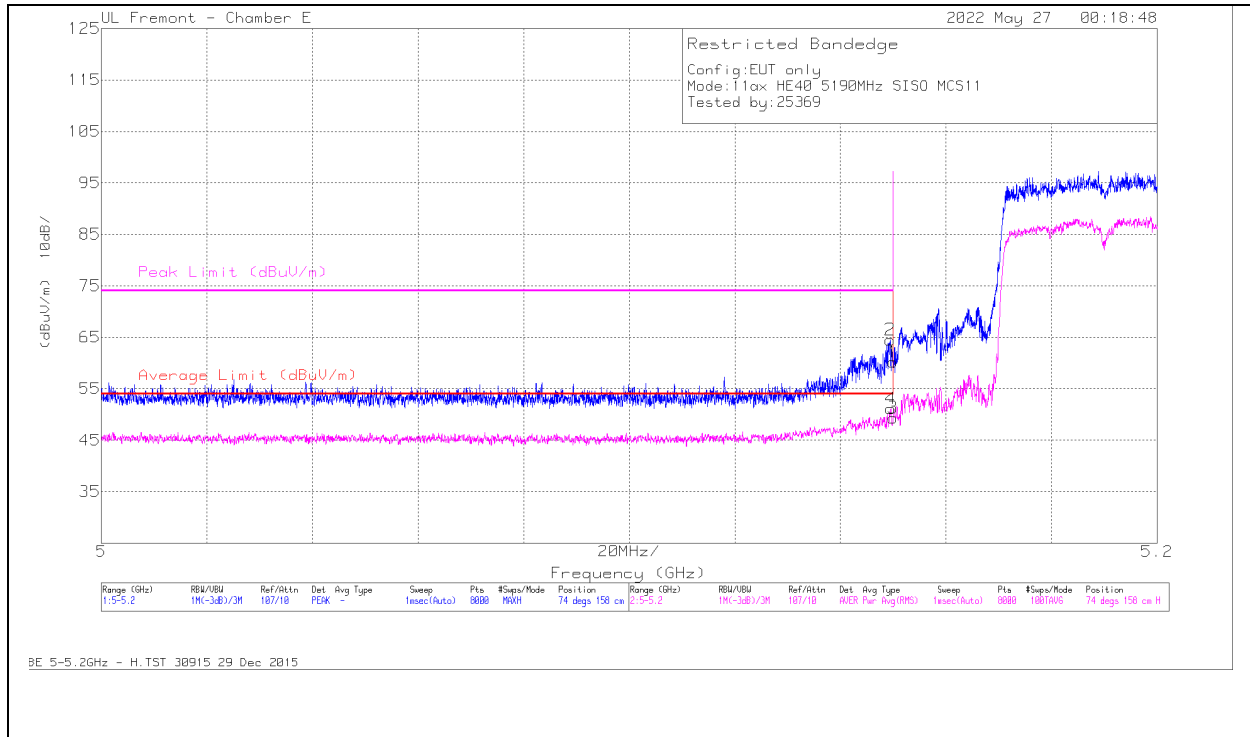
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

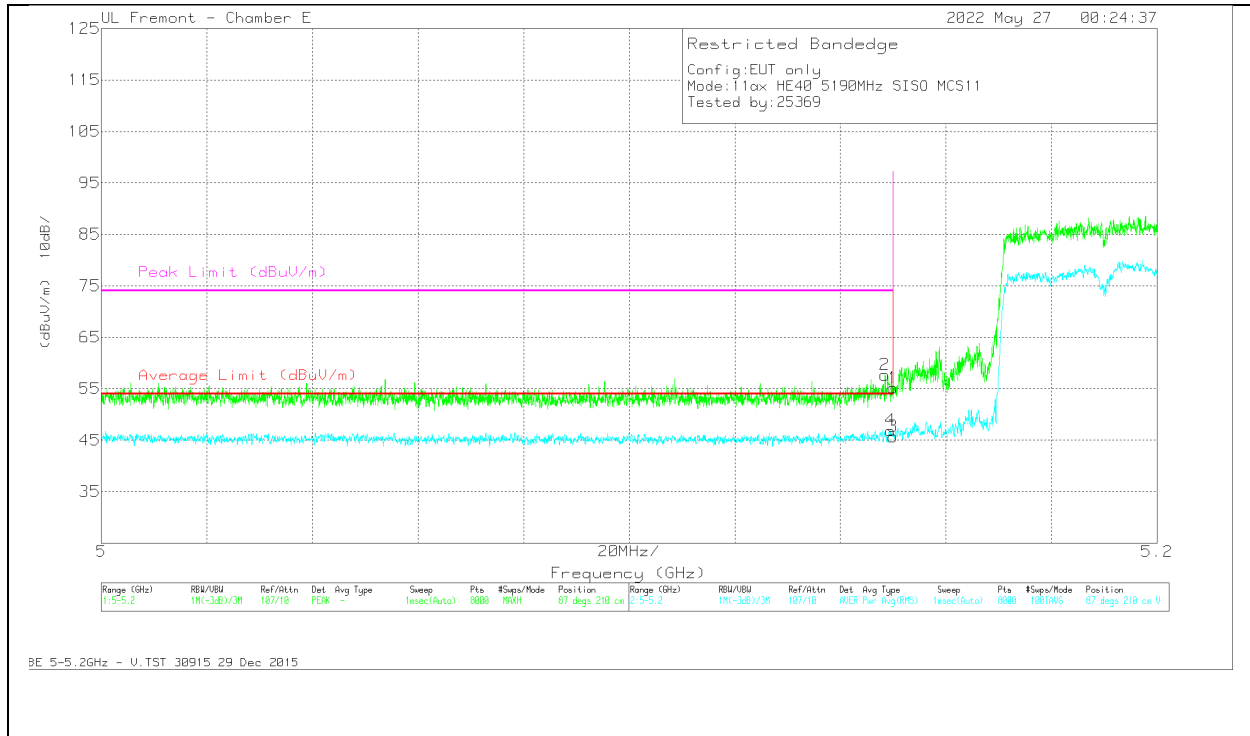


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.09	Pk	34.5	-21.4	0	60.19	-	-	74	-13.81	74	158	H
2	* 5.149418	51.39	Pk	34.5	-21.4	0	64.49	-	-	74	-9.51	74	158	H
3	* 5.15	36.12	RMS	34.5	-21.4	.80	50.02	54	-3.98	-	-	74	158	H
4	* 5.149543	37.92	RMS	34.5	-21.4	.80	51.82	54	-2.18	-	-	74	158	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	20dB/90 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.05	Pk	34.5	-21.4	0	55.15	-	-	74	-18.85	87	210	V
2	* 5.148443	44.6	Pk	34.5	-21.4	0	57.7	-	-	74	-16.3	87	210	V
3	* 5.15	32.5	RMS	34.5	-21.4	.80	46.40	54	-7.60	-	-	87	210	V
4	* 5.149518	33.68	RMS	34.5	-21.4	.80	47.58	54	-6.42	-	-	87	210	V

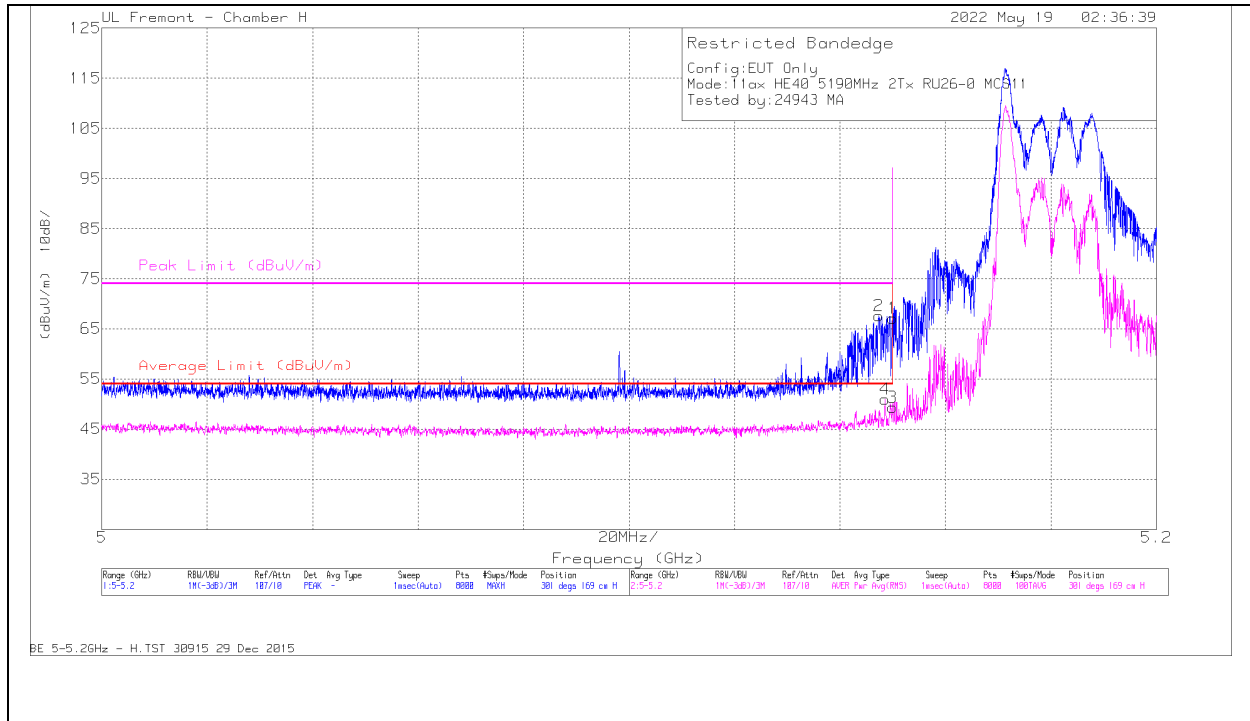
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

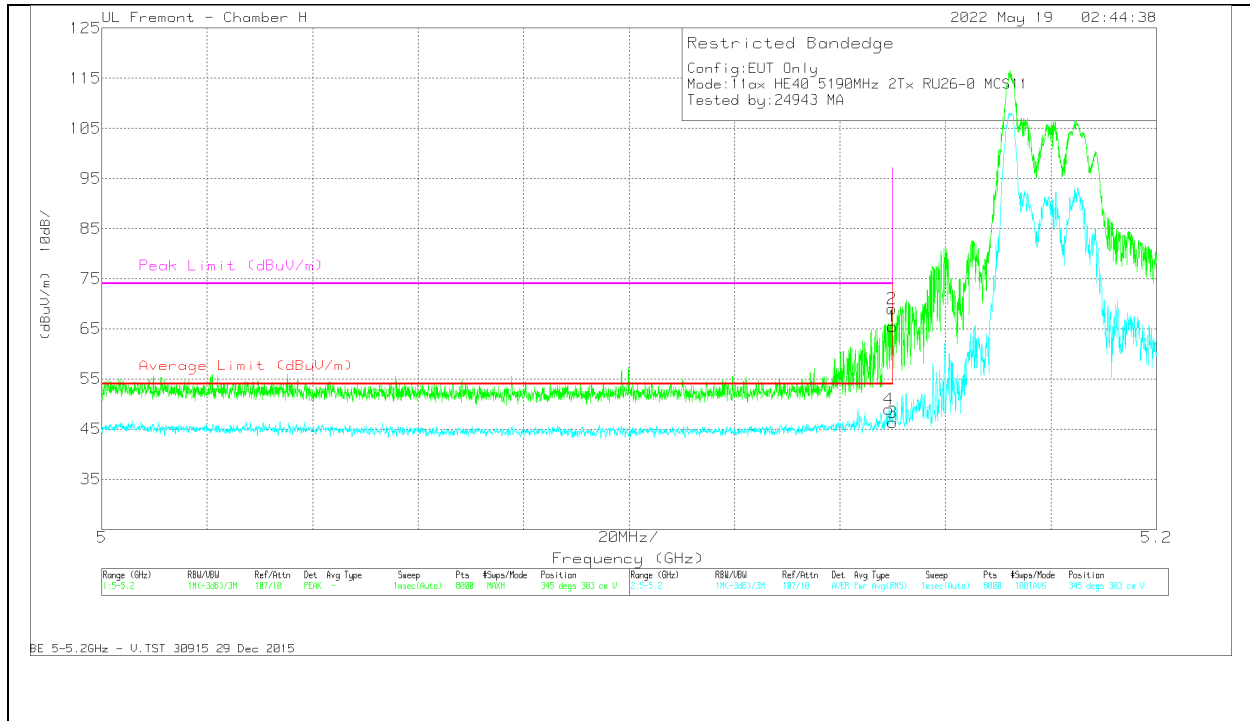


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	56.16	Pk	34.7	-23.8	0	67.06	-	-	74	-6.94	301	169	H
2	* 5.147318	56.67	Pk	34.7	-23.8	0	67.57	-	-	74	-6.43	301	169	H
3	* 5.15	38.04	RMS	34.7	-23.8	.47	49.41	54	-4.59	-	-	301	169	H
4	* 5.148543	39.69	RMS	34.7	-23.9	.47	50.96	54	-3.04	-	-	301	169	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



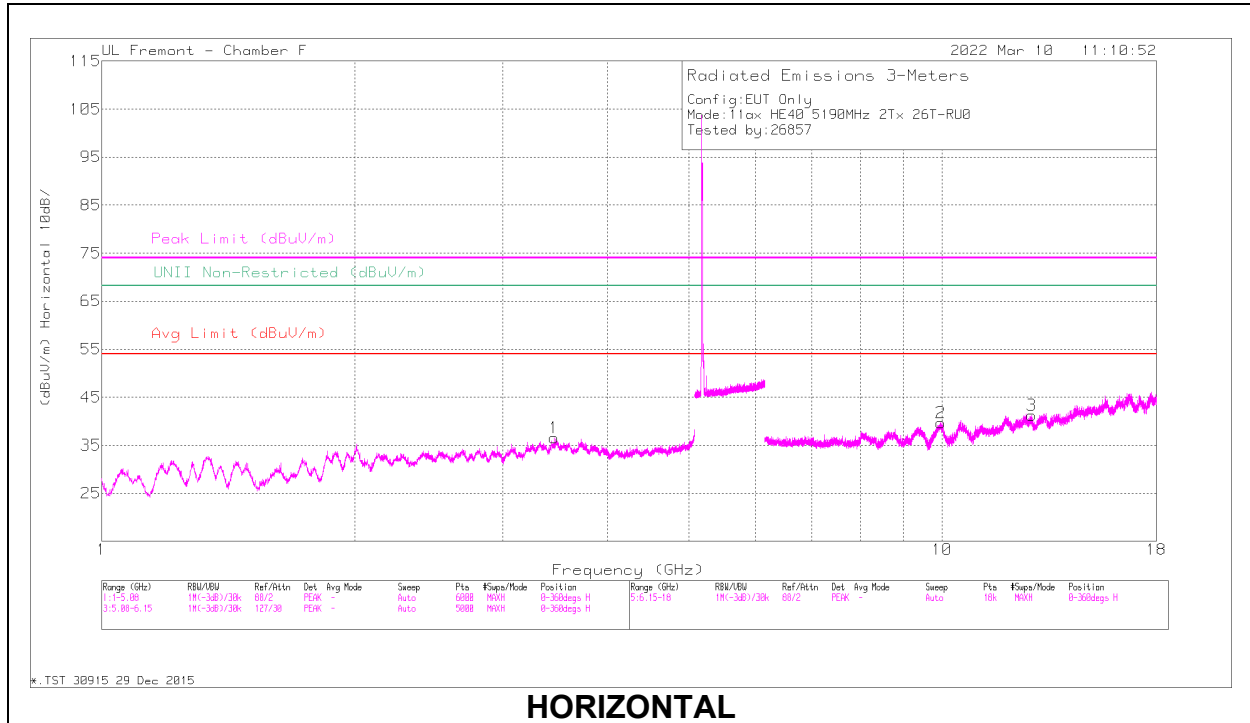
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	54.56	Pk	34.7	-23.8	0	65.46	-	-	74	-8.54	345	303	V
2	* 5.149893	58.14	Pk	34.7	-23.8	0	69.04	-	-	74	-4.96	345	303	V
3	* 5.15	34.96	RMS	34.7	-23.8	.47	46.33	54	-7.67	-	-	345	303	V
4	* 5.149293	37.65	RMS	34.7	-23.8	.47	49.02	54	4.98	-	-	345	303	V

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

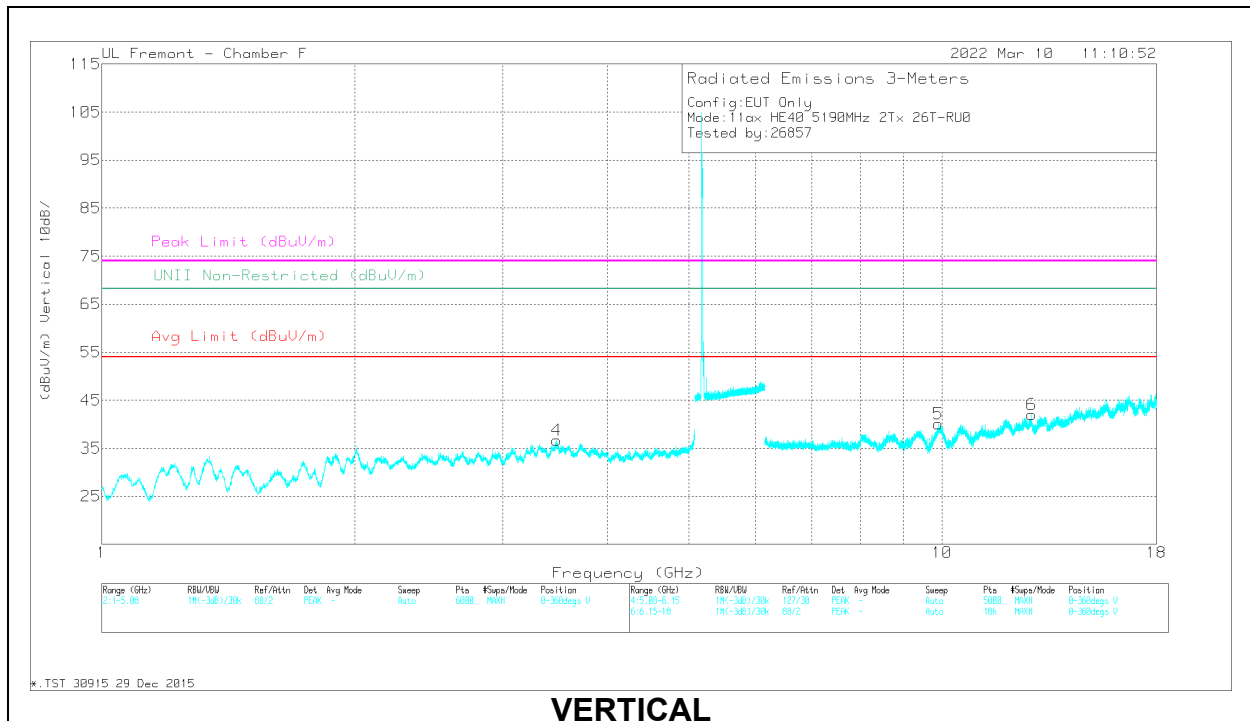
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

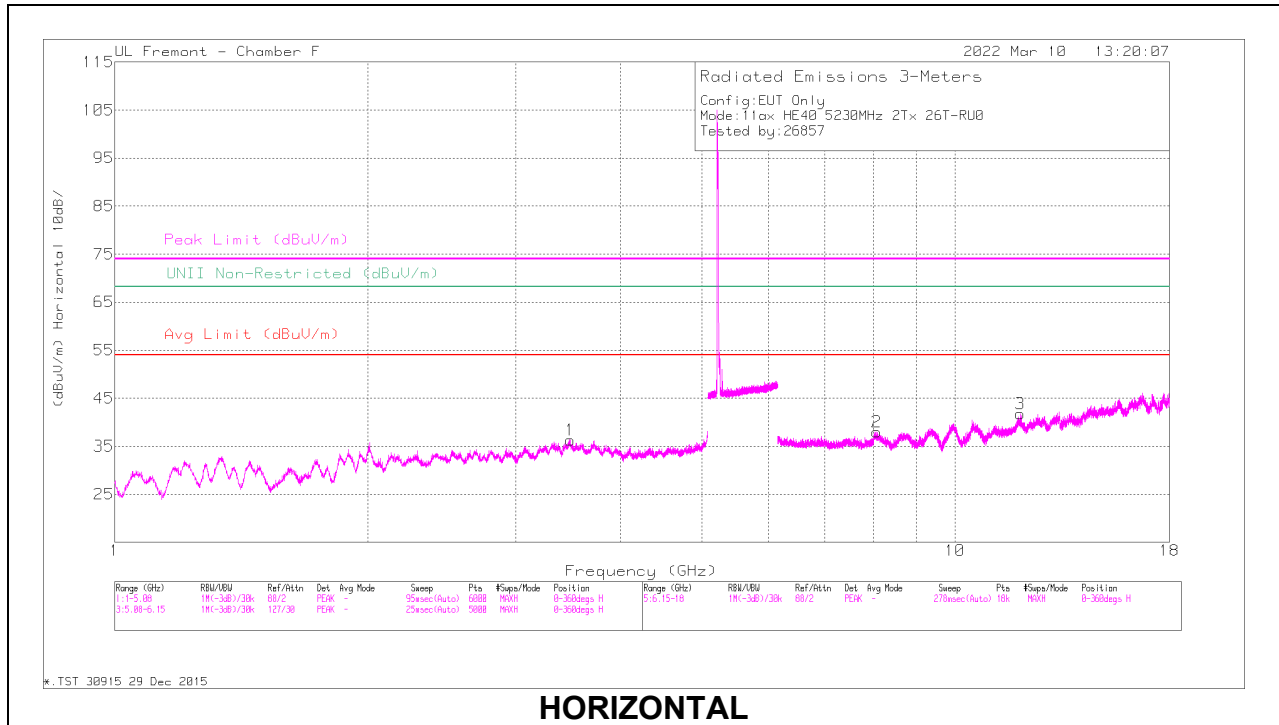
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.4520	56.42	PK-U	35.5	-46.6	45.32	68.2	-22.88	24	236	H
4	3.4786	57.53	PK-U	35.5	-46.9	46.13	68.2	-22.07	266	108	V
2	9.9612	58.56	PK-U	37.1	-46.4	49.26	68.2	-18.94	154	331	H
3	12.795	54.77	PK-U	39.7	-43.8	50.67	68.2	-17.53	126	241	H
5	9.9037	58.37	PK-U	37.2	-46.4	49.17	68.2	-19.03	84	370	V
6	12.785	54.92	PK-U	39.7	-43.6	51.02	68.2	-17.18	136	379	V

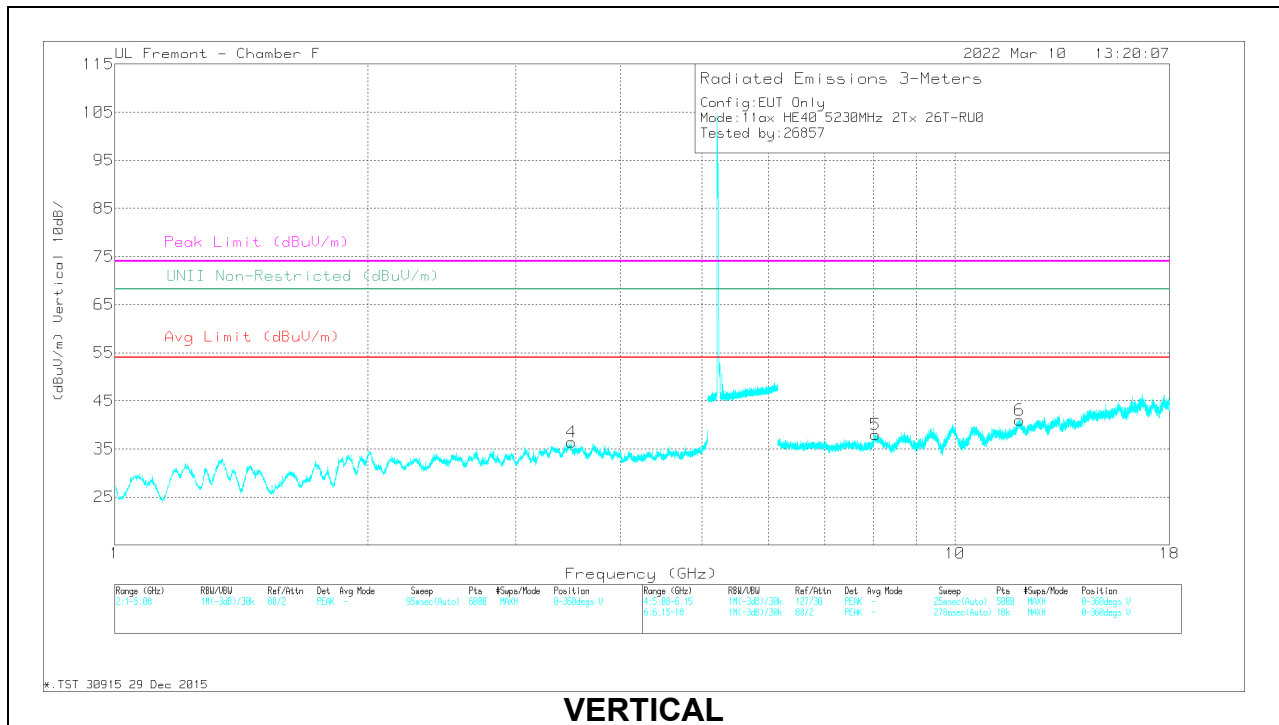
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI tr/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	3.4838	57.29	PK-U	35.5	-46.8	45.99	-	-	-	-	68.2	-22.21	307	200	H
4	3.4956	56.68	PK-U	35.5	-46.8	45.38	-	-	-	-	68.2	-22.82	99	220	V
2	* 8.076	56.02	PK-U	35.8	-45	46.82	-	-	74	-27.18	-	-	162	210	H
	* 8.076	44.73	ADR	35.8	-45	35.53	54	-18.47	-	-	-	-	162	210	H
3	* 11.97	55.5	PK-U	39.2	-45.1	49.6	-	-	74	-24.4	-	-	264	305	H
	* 11.97	43.67	ADR	39.2	-45.1	37.77	54	-16.23	-	-	-	-	264	305	H
5	* 8.036	55.82	PK-U	35.8	-44.6	47.02	-	-	74	-26.98	-	-	22	273	V
	* 8.038	44.54	ADR	35.8	-44.6	35.74	54	-18.26	-	-	-	-	22	273	V
6	* 11.95	55.18	PK-U	39.1	-45	49.28	-	-	74	-24.72	-	-	86	356	V
	* 11.94	43.68	ADR	39.1	-45.1	37.68	54	-16.32	-	-	-	-	86	356	V

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

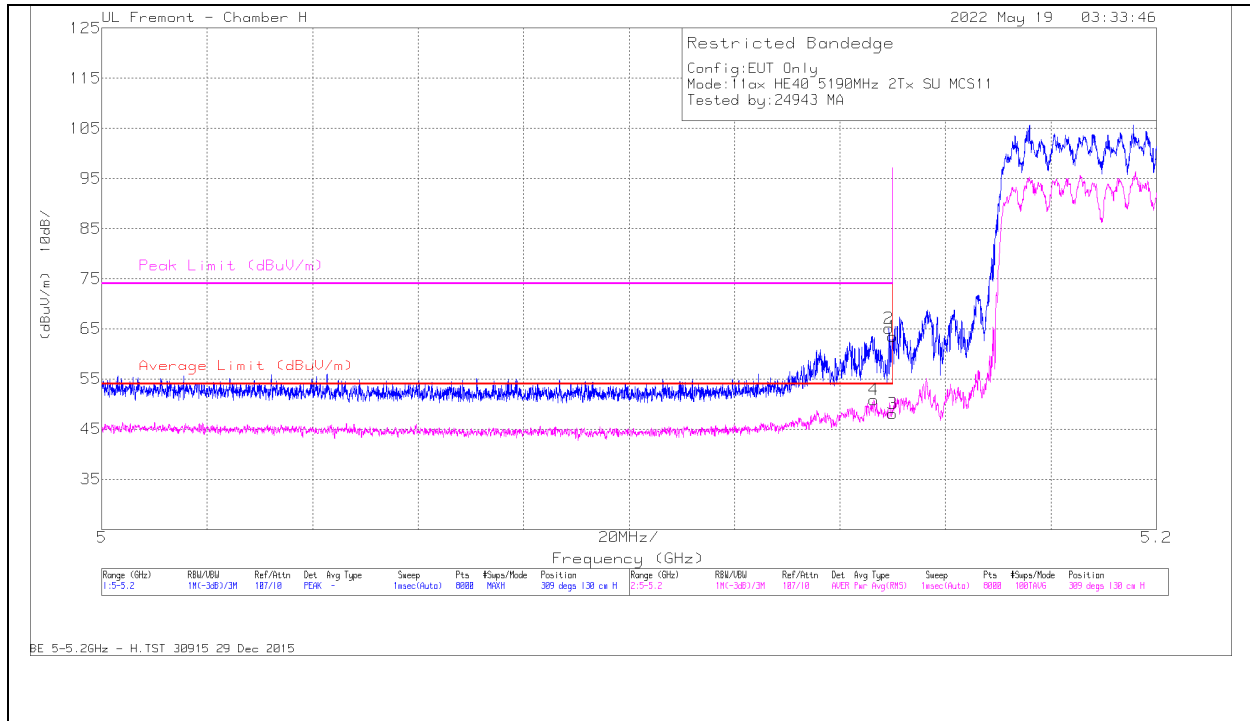
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 6 + Antenna 5: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

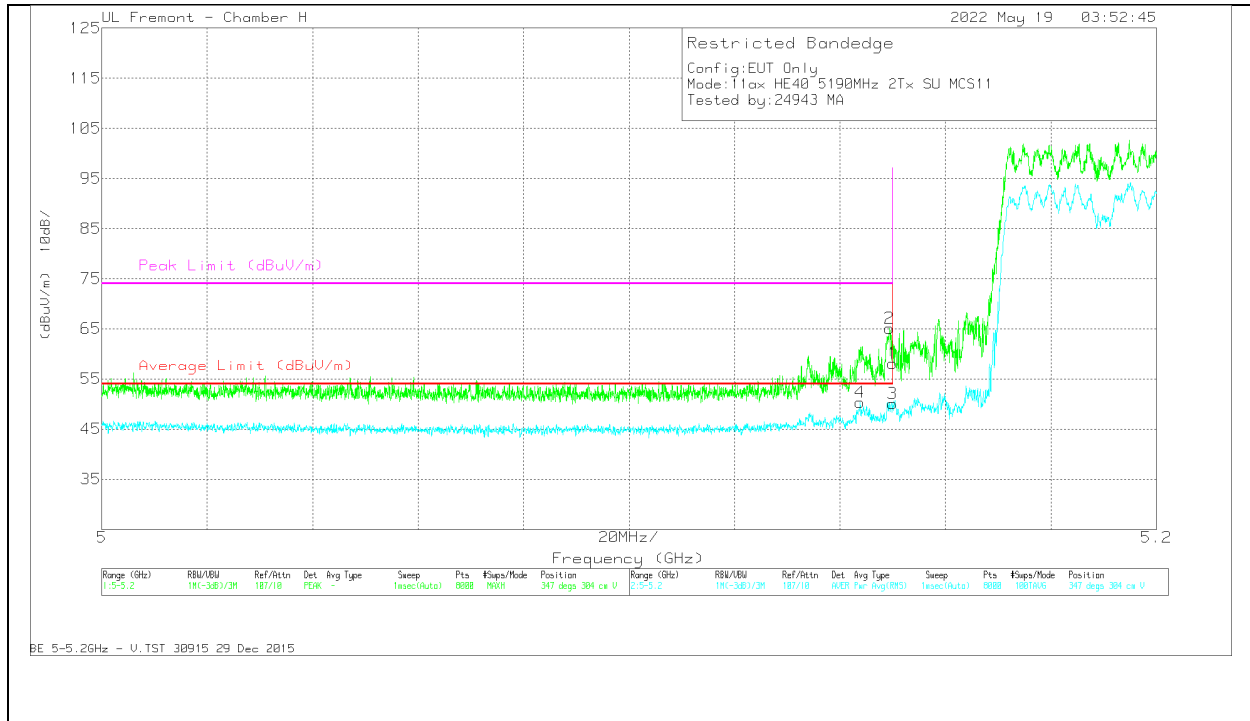


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	52.56	Pk	34.7	-23.8	0	63.46	-	-	74	-10.54	309	130	H
2	* 5.149268	54.16	Pk	34.7	-23.8	0	65.06	-	-	74	-8.94	309	130	H
3	* 5.15	36.34	RMS	34.7	-23.8	.80	48.04	54	-5.96	-	-	309	130	H
4	* 5.146418	39.13	RMS	34.6	-23.8	.80	50.73	54	-3.27	-	-	309	130	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



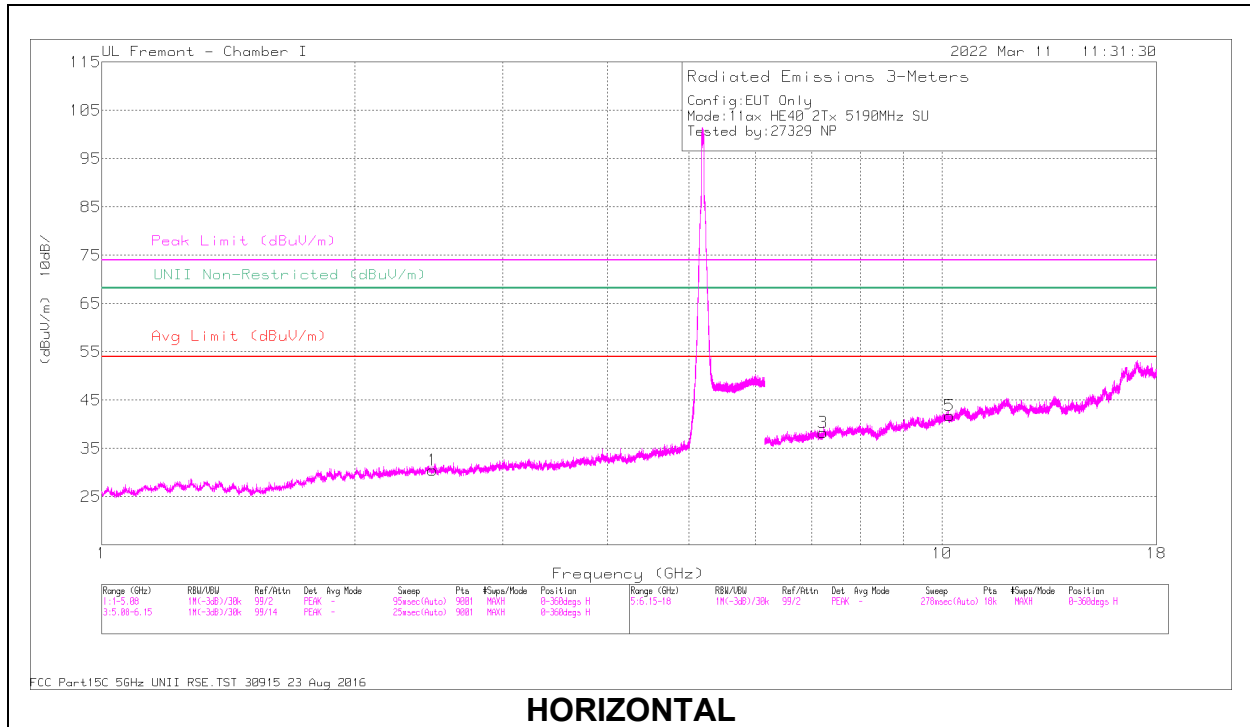
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.24	Pk	34.7	-23.8	0	58.14	-	-	74	-15.86	347	304	V
2	* 5.149368	54.17	Pk	34.7	-23.8	0	65.07	-	-	74	-8.93	347	304	V
3	* 5.15	38.27	RMS	34.7	-23.8	.80	49.97	54	-4.03	-	-	347	304	V
4	* 5.143817	38.53	RMS	34.6	-23.7	.80	50.23	54	-3.77	-	-	347	304	V

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

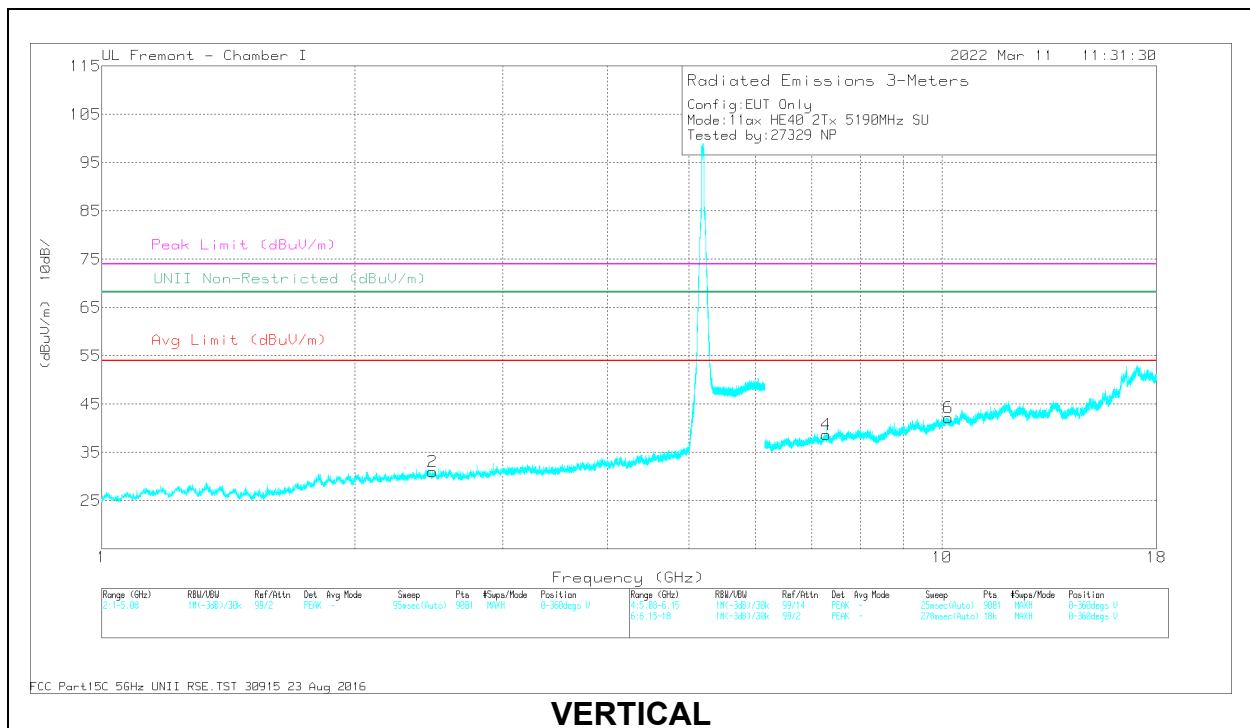
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

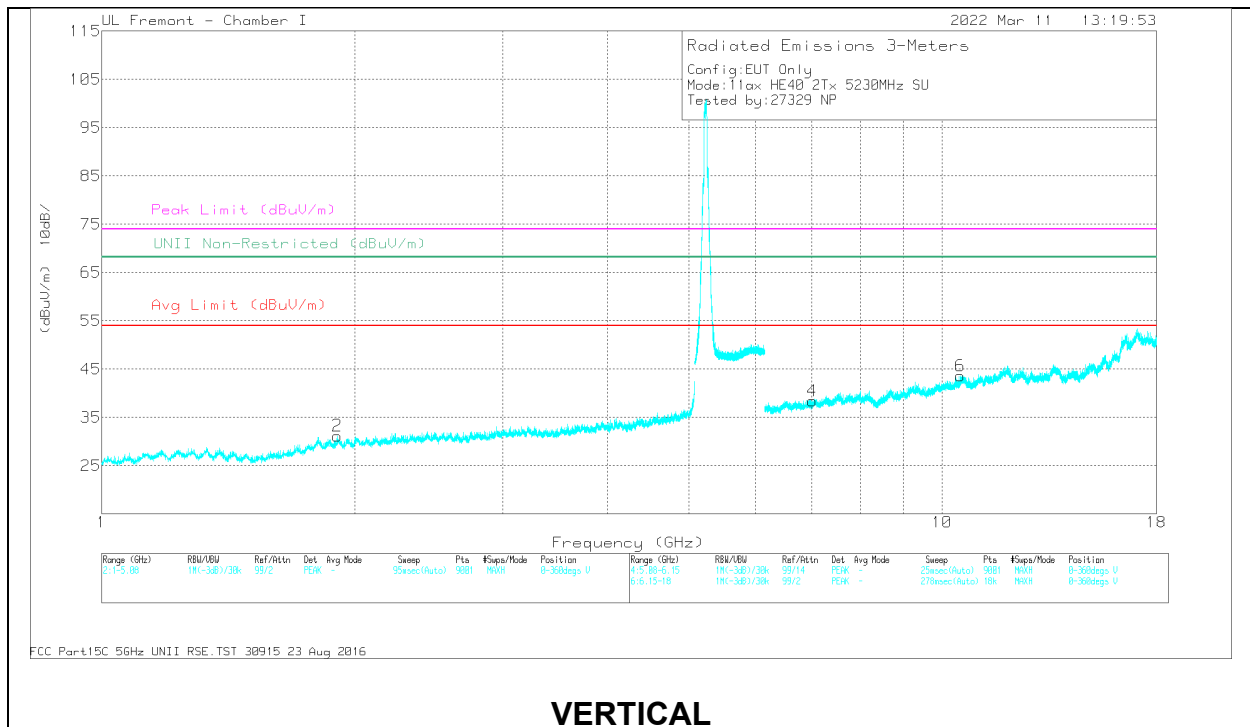
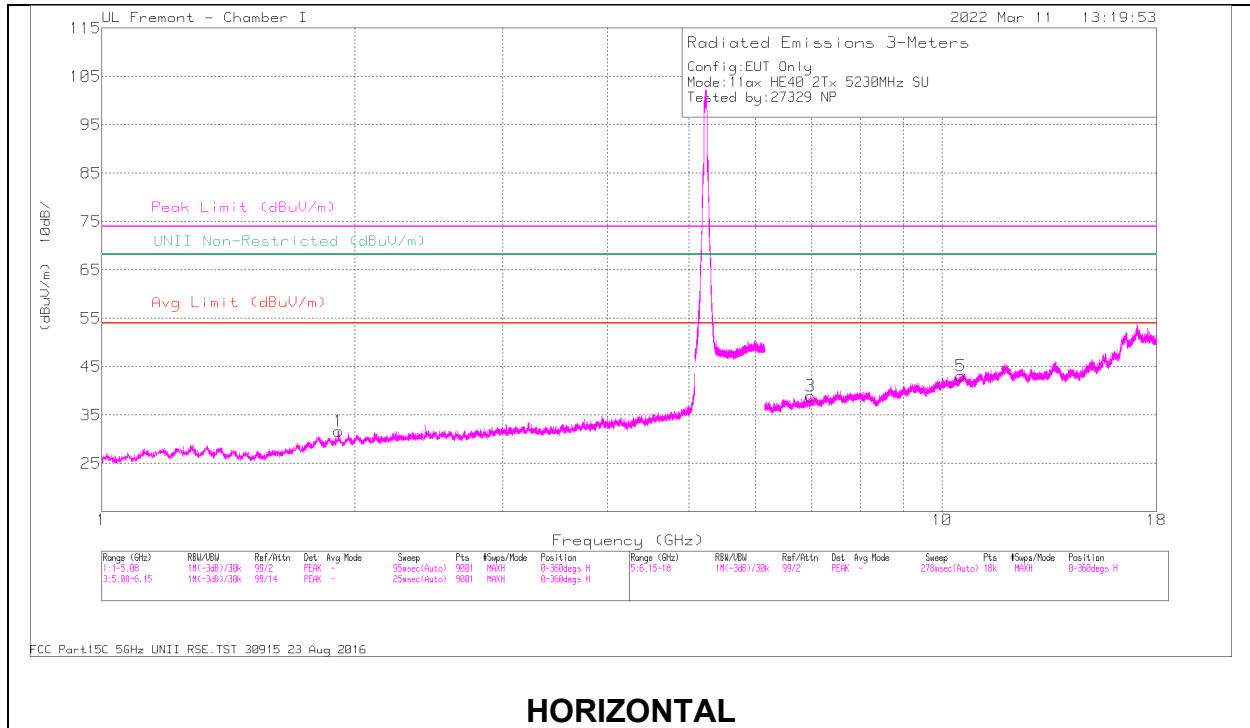
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.473	38.54	PK-U	32.1	-29.5	0	41.14	-	-	-	-	68.2	-27.06	168	144	H
2	2.475	38.37	PK-U	32.1	-29.5	0	40.97	-	-	-	-	68.2	-27.23	354	145	V
3	7.217	33.01	PK-U	35.5	-20	0	48.51	-	-	-	-	68.2	-19.69	169	225	H
5	10.20	31.37	PK-U	36.9	-16.6	0	51.67	-	-	-	-	68.2	-16.53	245	134	H
4	* 7.279	32.14	PK-U	35.5	-19.1	0	48.54	-	-	74	-25.46	-	-	56	184	V
	* 7.277	20.74	ADR	35.5	-19.1	.12	37.26	54	-16.74	-	-	-	-	56	184	V
6	10.17	31.11	PK-U	36.9	-16.6	0	51.41	-	-	-	-	68.2	-16.79	224	217	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 206805 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.912	39.76	PK-U	31.2	-30.7	40.26	68.2	-27.94	141	202	H
2	1.906	39.73	PK-U	31.2	-30.7	40.23	68.2	-27.97	322	225	V
3	6.972	32.9	PK-U	35.4	-20.1	48.2	68.2	-20	155	217	H
5	10.53	32.09	PK-U	37.2	-16.6	52.69	68.2	-15.51	180	148	H
4	7.009	32.76	PK-U	35.4	-19.8	48.36	68.2	-19.84	225	218	V
6	10.50	31.75	PK-U	37.2	-16.8	52.15	68.2	-16.05	112	156	V

PK-U - U-NII: Maximum Peak

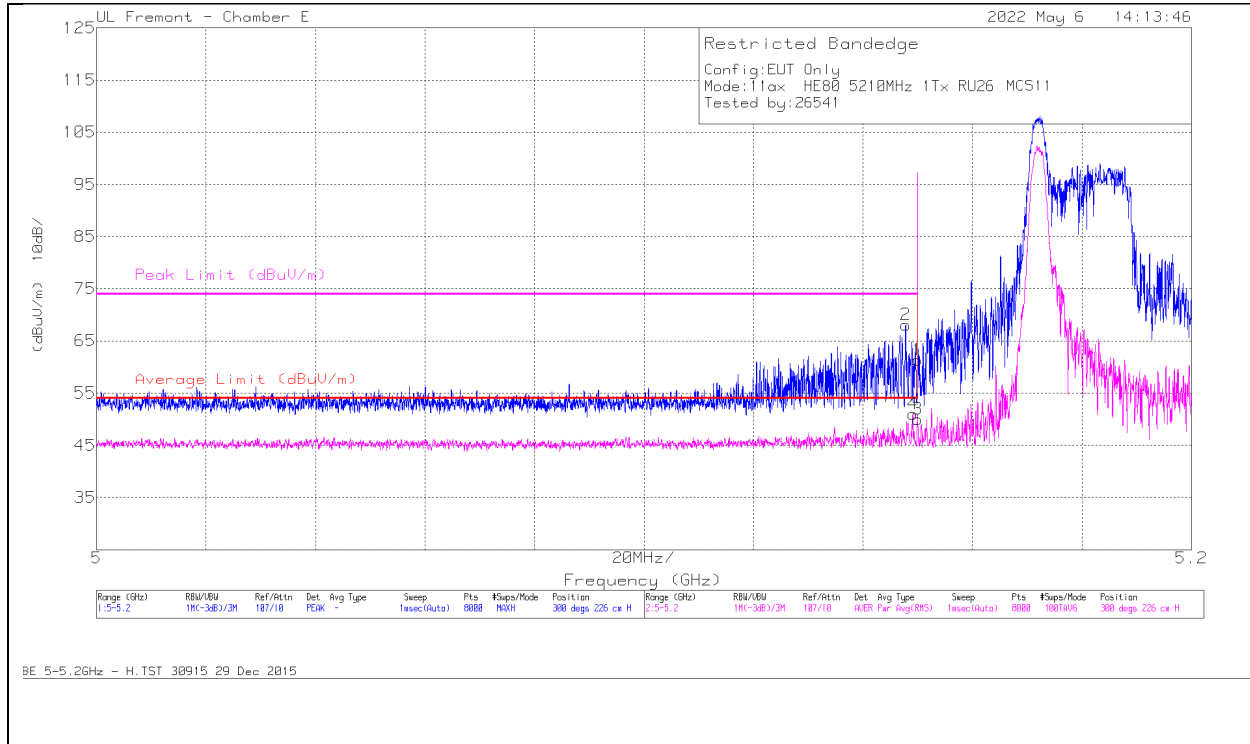
ADR - U-NII AD primary method, RMS average

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

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

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

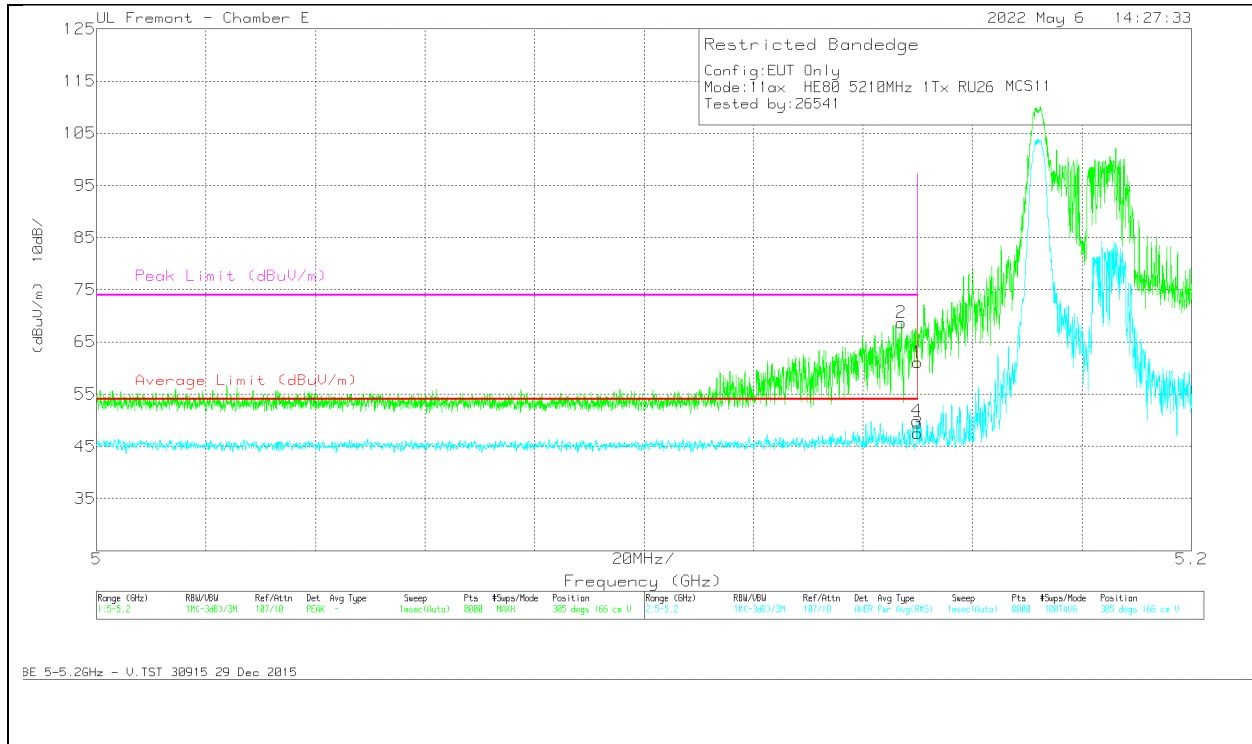


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/CbI/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147768	55.03	Pk	34.5	-21.4	0	68.13	-	-	74	-5.87	300	226	H
4	* 5.149093	37.86	RMS	34.5	-21.4	0.45	51.34	54	-2.64	-	-	300	226	H
1	* 5.15	48.22	Pk	34.5	-21.4	0	61.32	-	-	74	-12.68	300	226	H
3	* 5.15	36.89	RMS	34.5	-21.4	0.45	50.44	54	-3.56	-	-	300	226	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/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.03	Pk	34.5	-21.4	0	61.13	-	-	74	-12.87	305	166	V
2	* 5.147043	55.65	Pk	34.5	-21.4	0	68.75	-	-	74	-5.25	305	166	V
3	* 5.15	34.37	RMS	34.5	-21.4	0.45	47.92	54	-6.08	-	-	305	166	V
4	* 5.149818	36.81	RMS	34.5	-21.4	0.45	50.36	54	-3.64	-	-	305	166	V

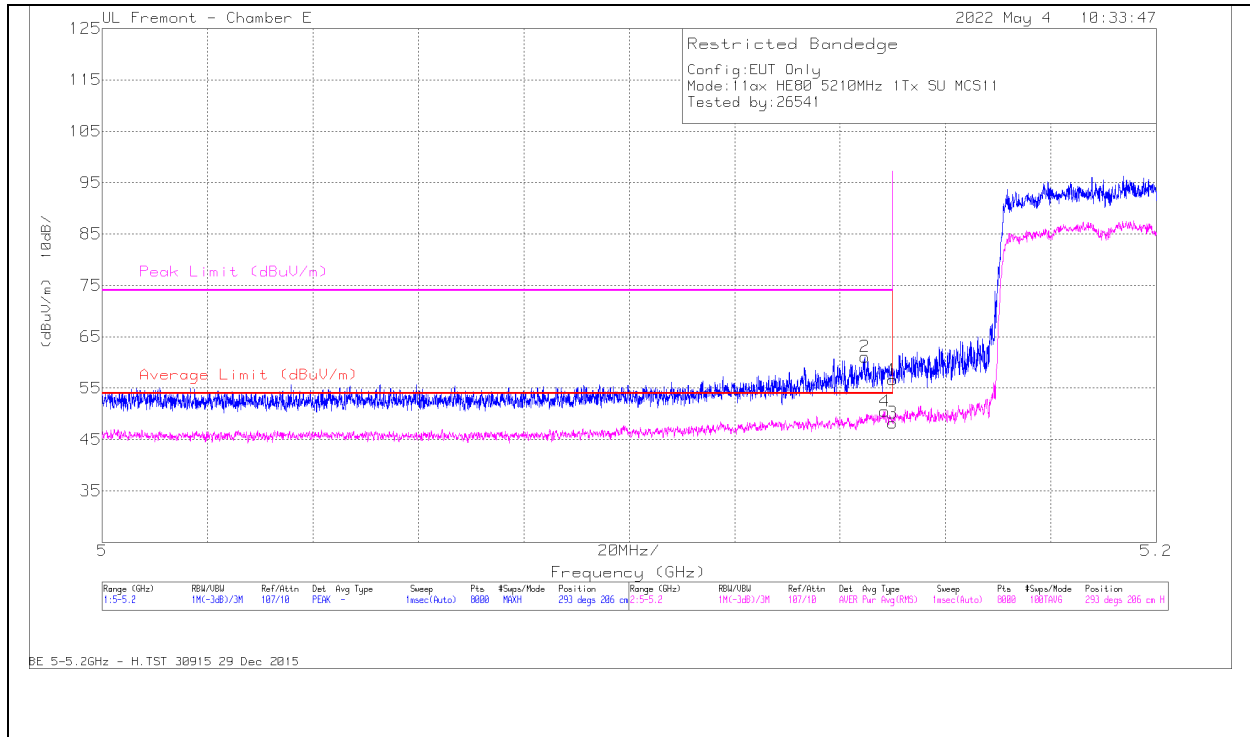
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 6: SU, Single User

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

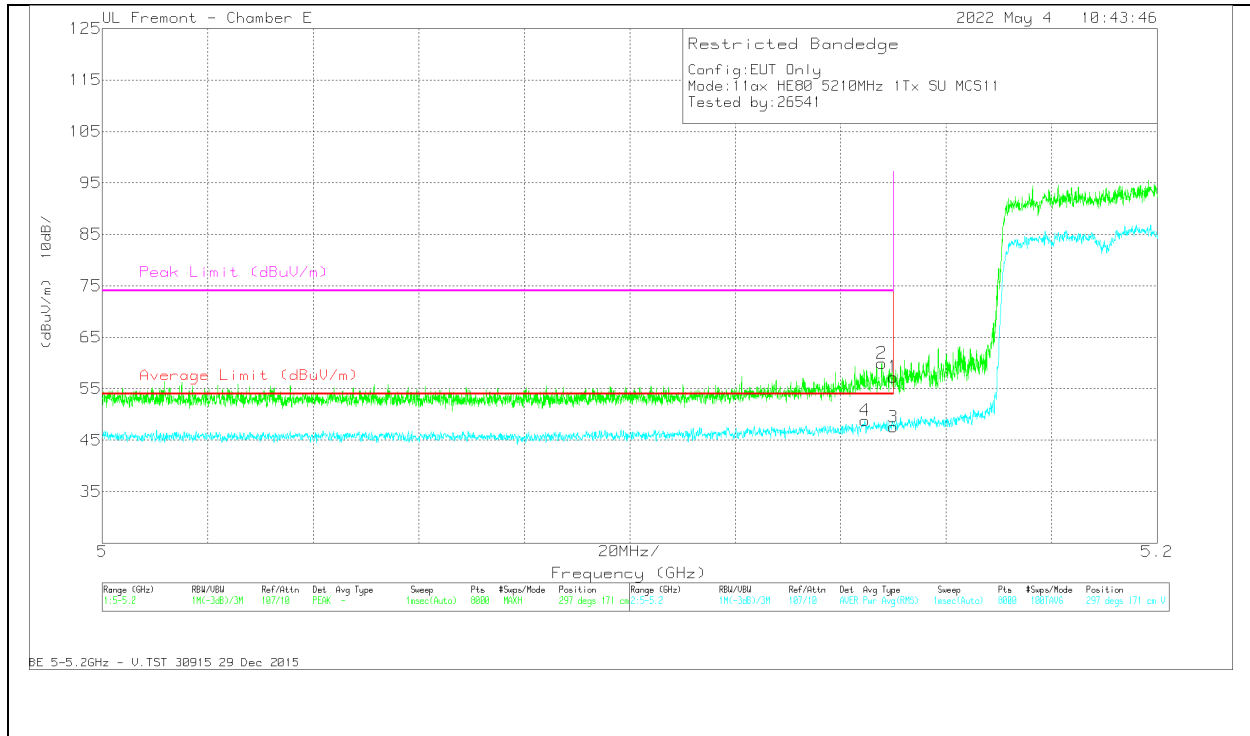


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.53	Pk	34.5	-21.4	0	56.63	-	-	74	-17.37	293	206	H
2	* 5.144692	48.01	Pk	34.5	-21.4	0	61.11	-	-	74	-12.89	293	206	H
3	* 5.15	34.19	RMS	34.5	-21.4	.97	48.26	54	-5.74	-	-	293	206	H
4	* 5.148468	36.47	RMS	34.5	-21.4	.97	50.54	54	-3.46	-	-	293	206	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	44.21	Pk	34.5	-21.4	0	57.31	-	-	74	-16.69	297	171	V
2	* 5.147768	46.85	Pk	34.5	-21.4	0	59.95	-	-	74	-14.05	297	171	V
3	* 5.15	33.56	RMS	34.5	-21.4	.97	47.63	54	-6.37	-	-	297	171	V
4	* 5.144567	34.82	RMS	34.5	-21.4	.97	48.89	54	-5.11	-	-	297	171	V

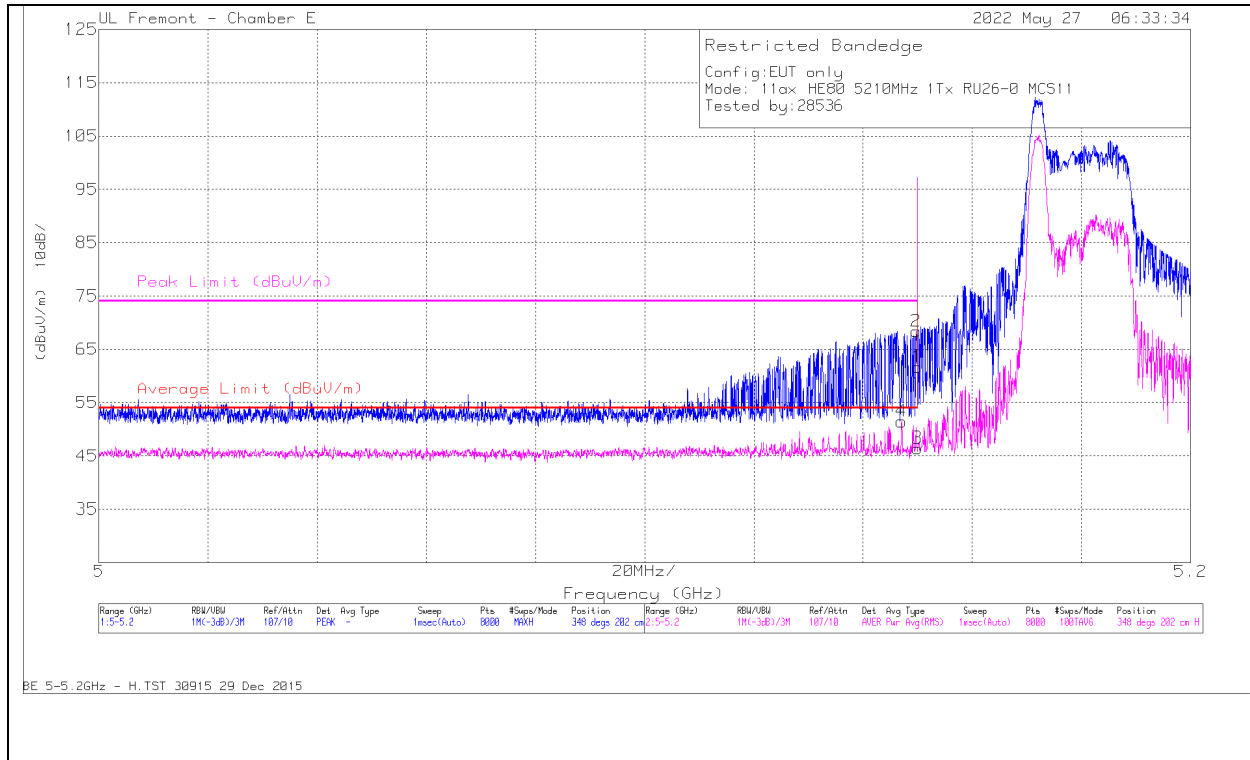
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

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

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

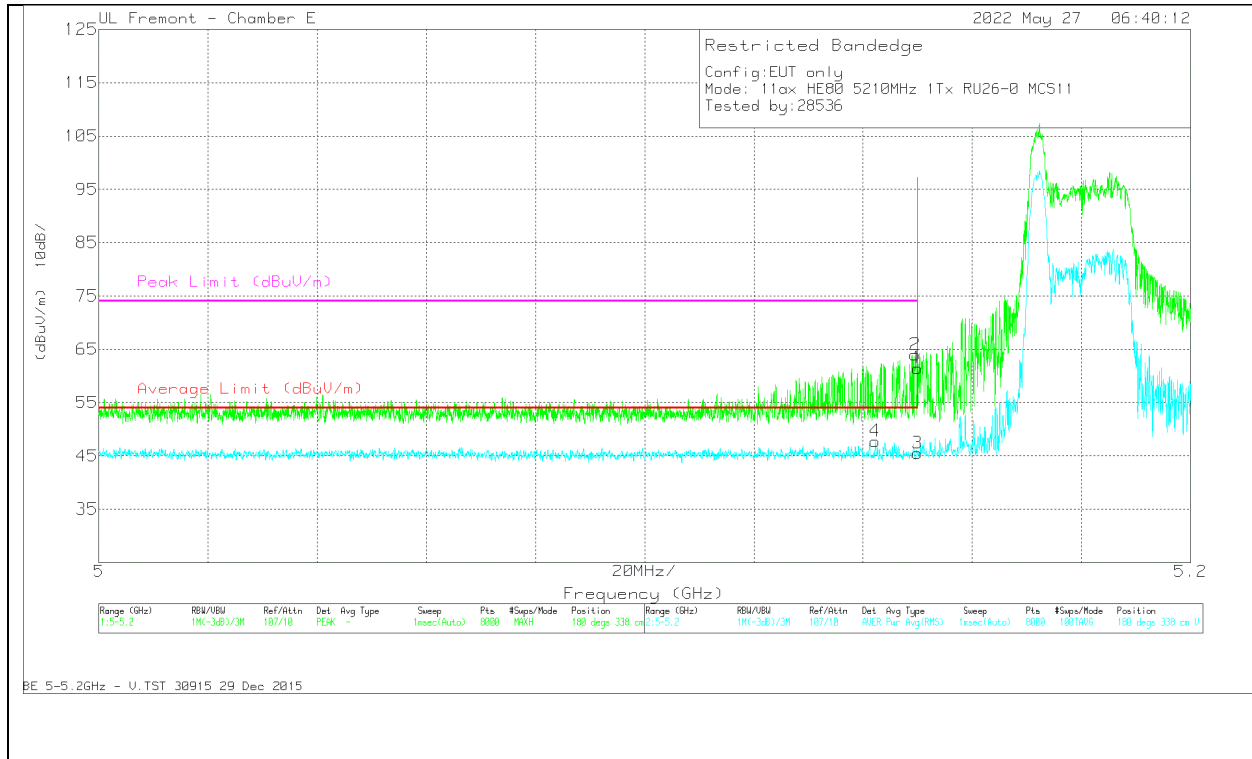


Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	200897 ACF (dBm)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.58	Pk	34.5	-21.4	0	61.68	-	-	74	-12.32	348	202	H
2	* 5.149693	55.25	Pk	34.5	-21.4	0	68.35	-	-	74	-5.65	348	202	H
3	* 5.15	32.83	RMS	34.5	-21.4	.45	46.38	54	-7.62	-	-	348	202	H
4	* 5.147043	37.9	RMS	34.5	-21.4	.45	51.45	54	-2.53	-	-	348	202	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/P ad (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	48.37	Pk	34.5	-21.4	0	61.47	-	-	74	-12.53	180	338	V
2	* 5.149543	50.86	Pk	34.5	-21.4	0	63.96	-	-	74	-10.04	180	338	V
3	* 5.15	32.39	RMS	34.5	-21.4	0.45	45.94	54	-8.06	-	-	180	338	V
4	* 5.142242	34.65	RMS	34.5	-21.4	0.45	48.20	54	-5.80	-	-	180	338	V

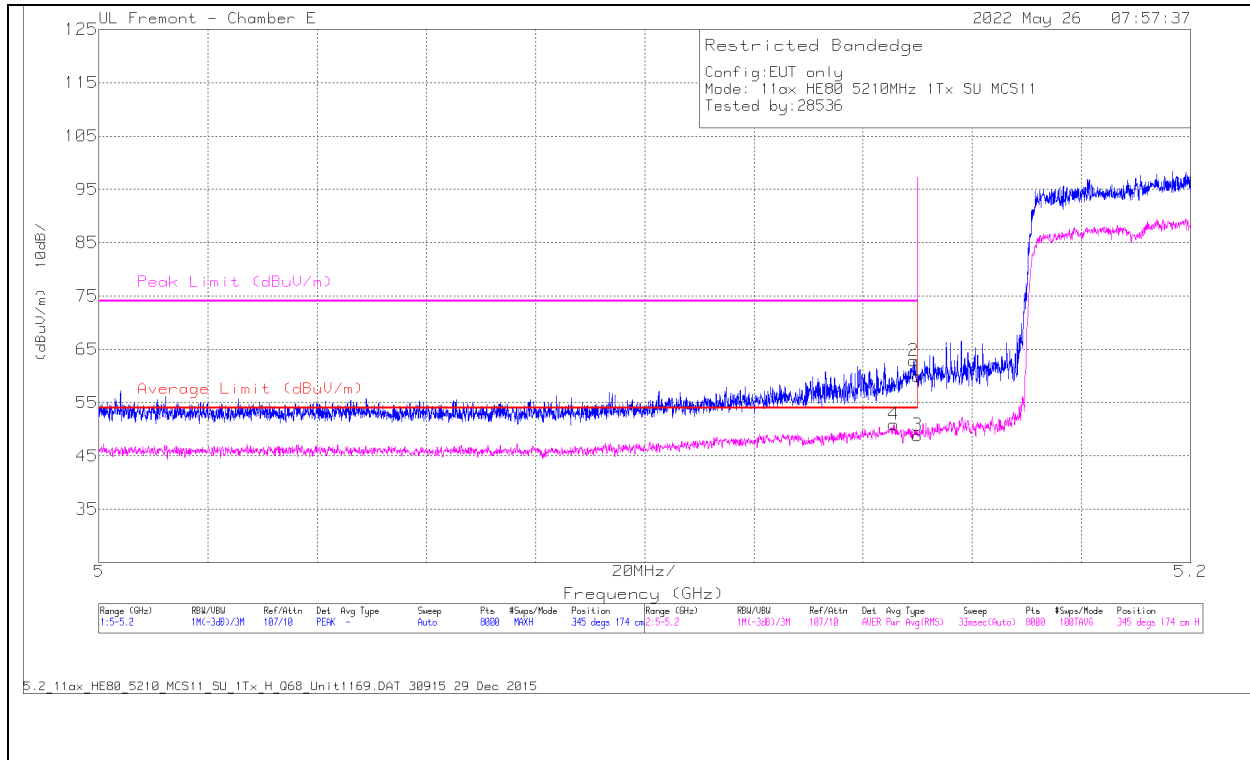
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5: SU, Single User

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

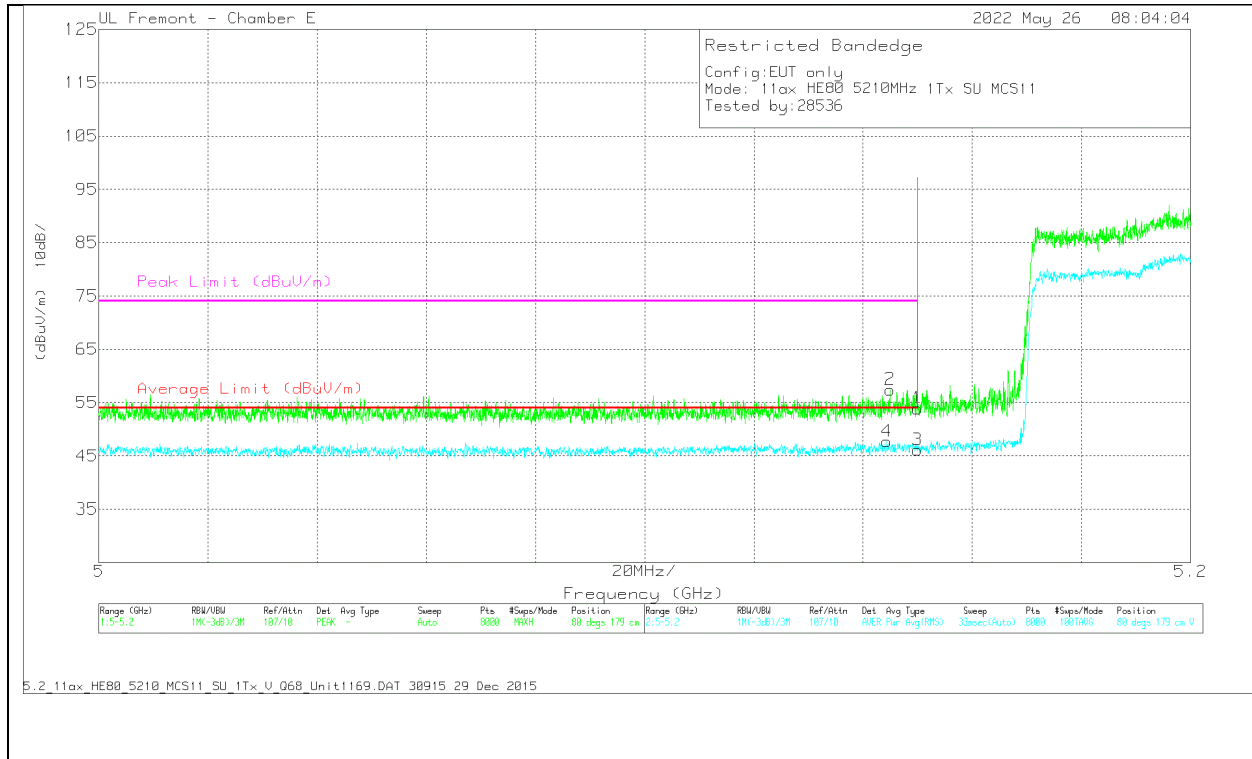


Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	200897 ACF (dBm)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.83	Pk	34.5	-21.4	0	59.93	-	-	74	-14.07	345	174	H
2	* 5.149243	49.78	PK	34.5	-21.4	0	62.88	-	-	74	-11.12	345	174	H
3	* 5.15	34.94	RMS	34.5	-21.4	.97	49.01	54	-4.99	-	-	345	174	H
4	* 5.145617	37.01	RMS	34.5	-21.4	.97	51.08	54	-2.92	-	-	345	174	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/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.81	Pk	34.5	-21.4	0	53.91	-	-	74	-20.09	80	179	V
2	* 5.144942	44.32	Pk	34.5	-21.4	0	57.42	-	-	74	-16.58	80	179	V
3	* 5.15	32.22	RMS	34.5	-21.4	.97	46.29	54	-7.71	-	-	80	179	V
4	* 5.144367	33.81	RMS	34.5	-21.4	.97	47.88	54	-6.12	-	-	80	179	V

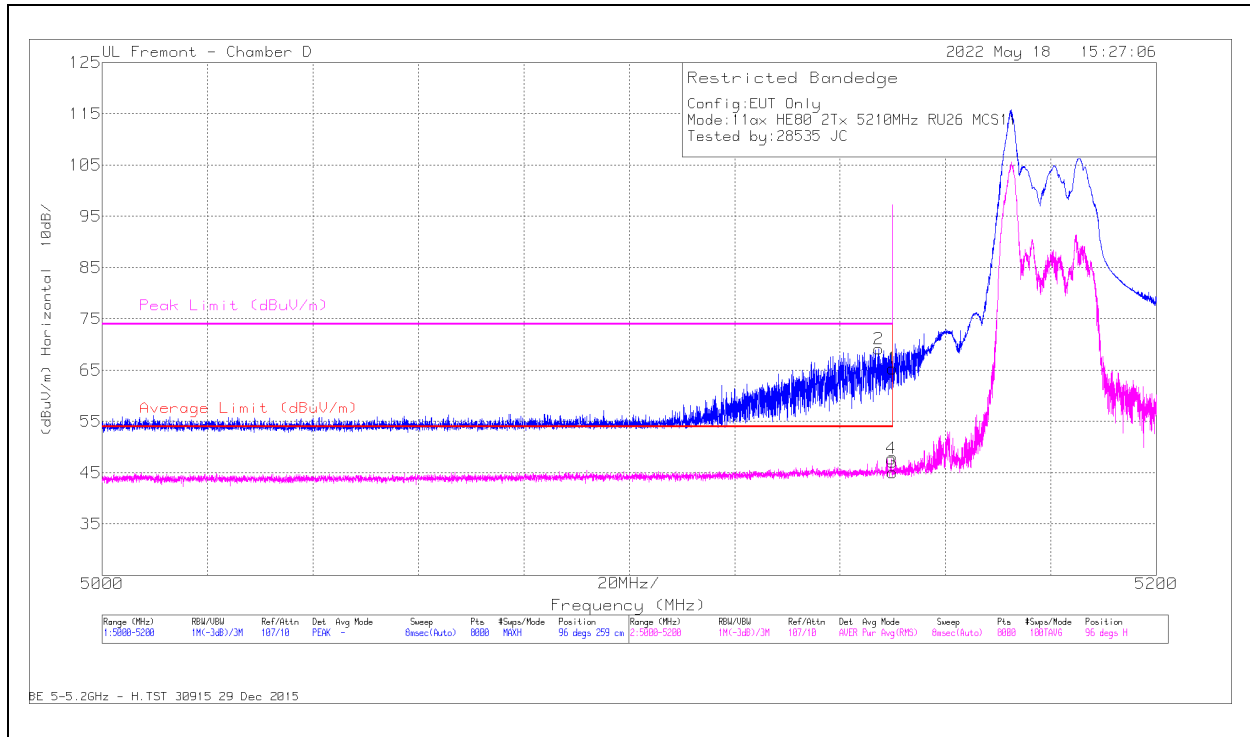
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

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

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

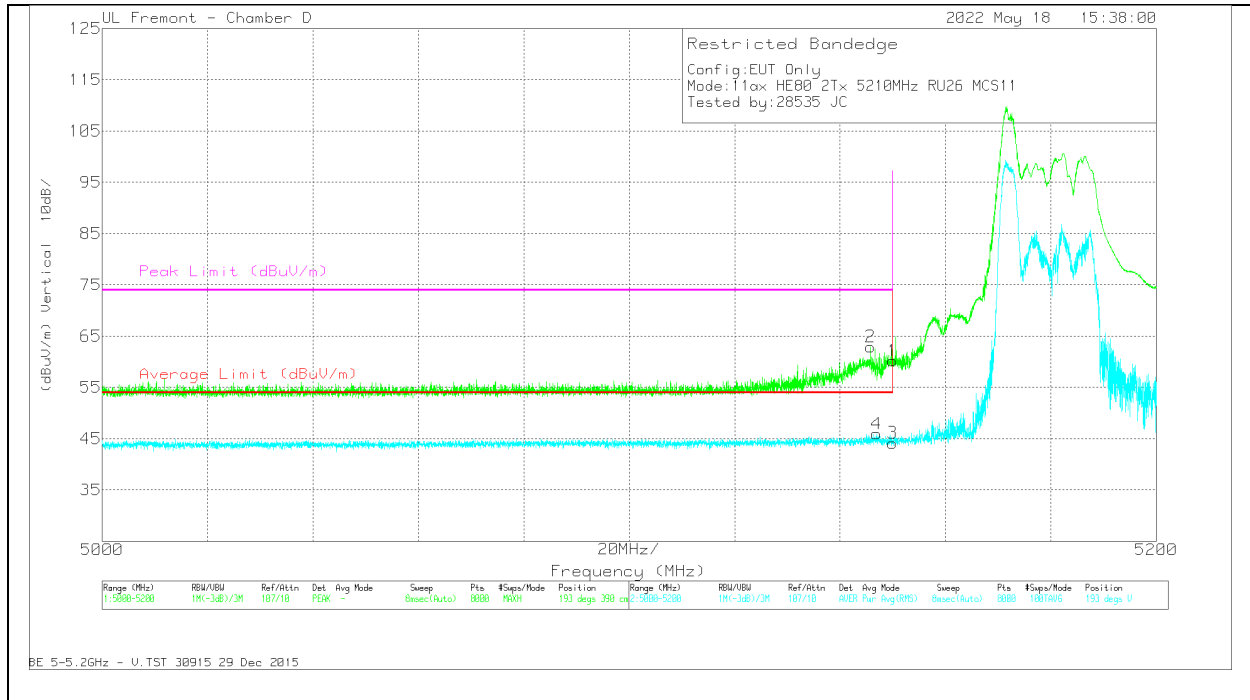


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	48.59	Pk	34.9	-18.2	0	65.29	-	-	74	-8.71	96	259	H
2	* 5147.293	52.44	Pk	34.9	-18.2	0	69.14	-	-	74	-4.86	96	259	H
3	* 5150	27.87	RMS	34.9	-18.2	.45	45.02	54	-8.98	-	-	96	259	H
4	* 5149.743	30.56	RMS	34.9	-18.2	.45	47.71	54	-6.29	-	-	96	259	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



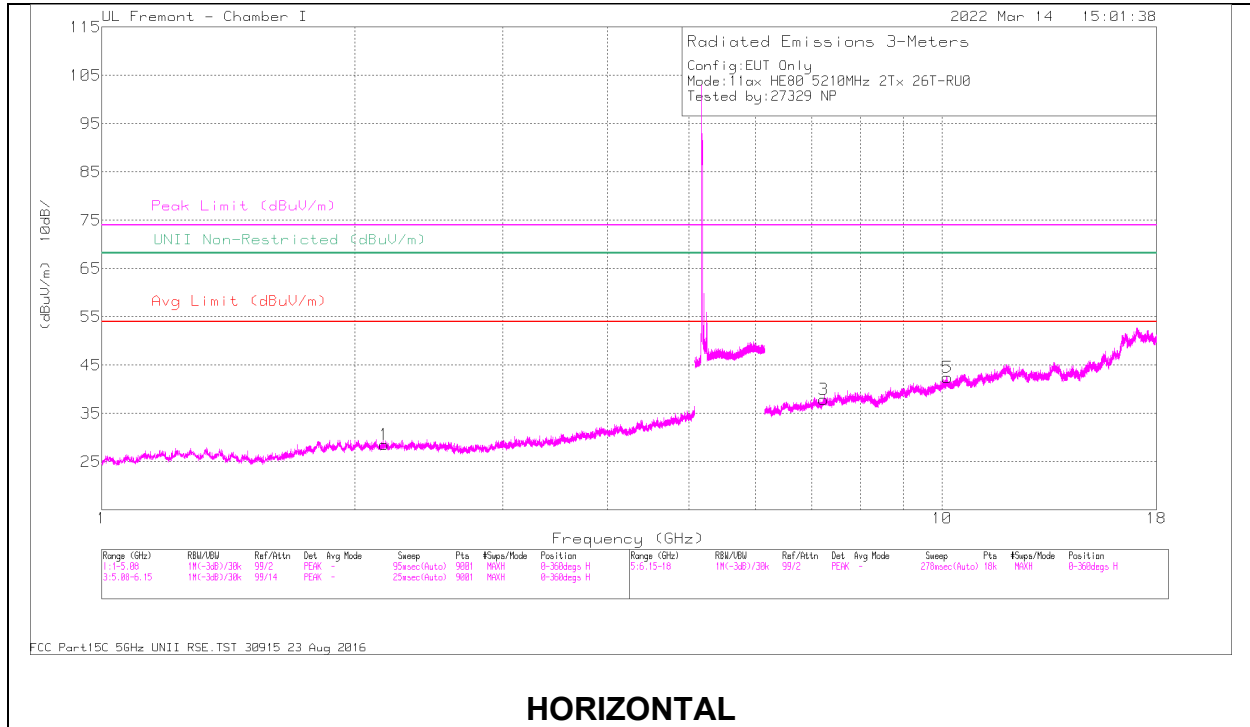
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	43.46	Pk	34.9	-18.2	0	60.16	-	-	74	-13.84	193	390	V
2	* 5145.818	46.21	Pk	34.9	-18.2	0	62.91	-	-	74	-11.09	193	390	V
3	* 5150	26.96	RMS	34.9	-18.2	.45	44.11	54	-9.89	-	-	193	390	V
4	* 5146.918	28.77	RMS	34.9	-18.2	.45	45.92	54	-8.08	-	-	193	390	V

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

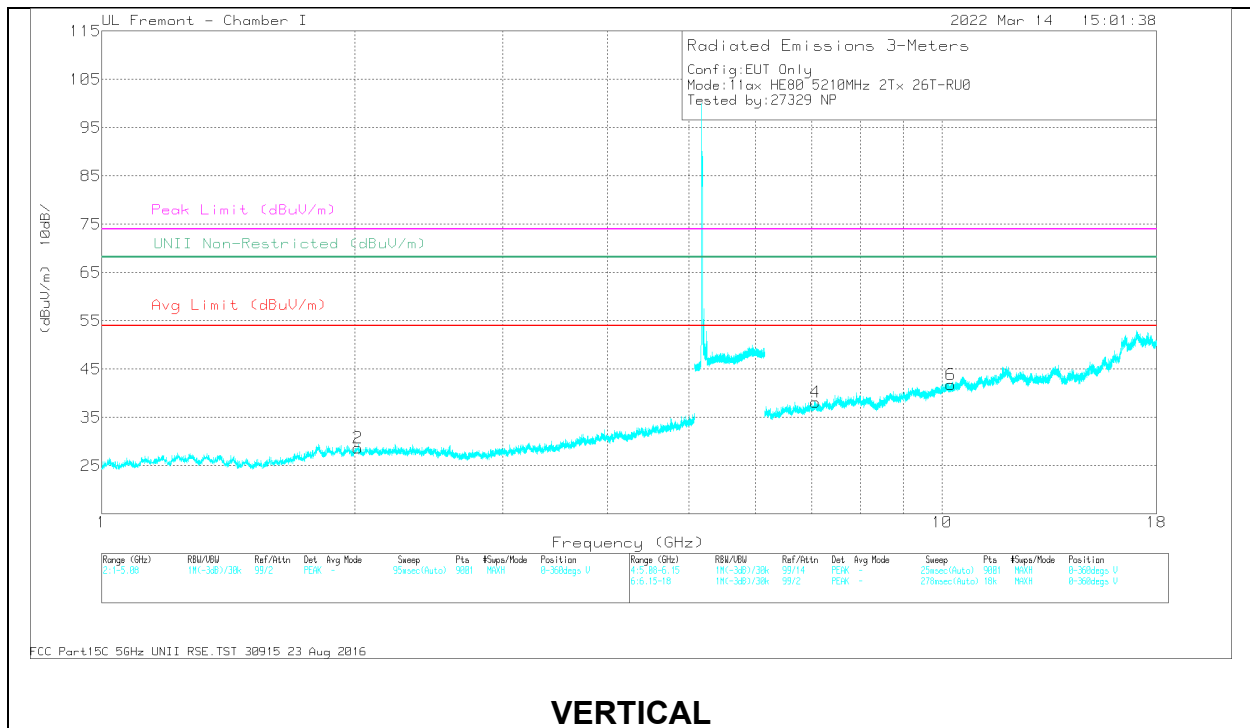
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.168	38.81	PK-U	31.3	-30.1	40.01	68.2	-28.19	295	200	H
2	2.014	38.12	PK-U	31.2	-30.1	39.22	68.2	-28.98	54	234	V
3	7.236	32.06	PK-U	35.5	-19.2	48.36	68.2	-19.84	271	228	H
5	10.15	31.4	PK-U	36.9	-16.4	51.9	68.2	-16.3	251	162	H
4	7.074	32.4	PK-U	35.5	-20	47.9	68.2	-20.3	328	143	V
6	10.24	31.09	PK-U	36.9	-16.6	51.39	68.2	-16.81	200	123	V

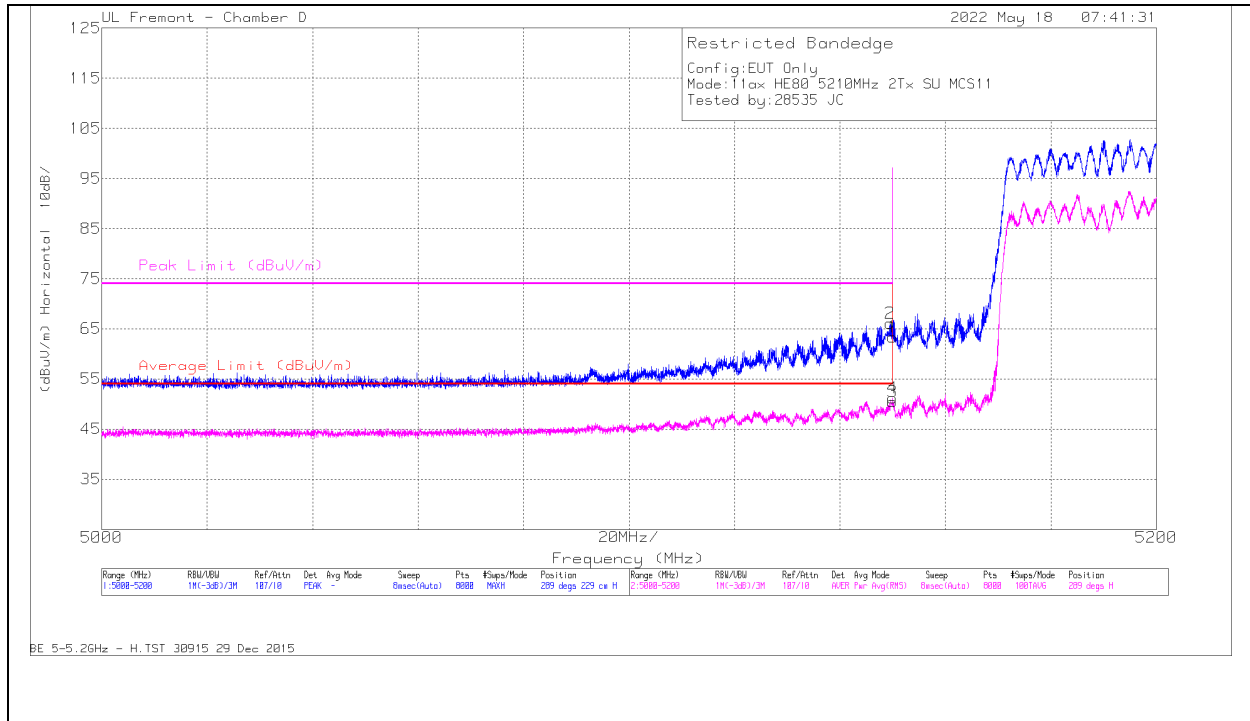
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 6 + Antenna 5: SU, Single User

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

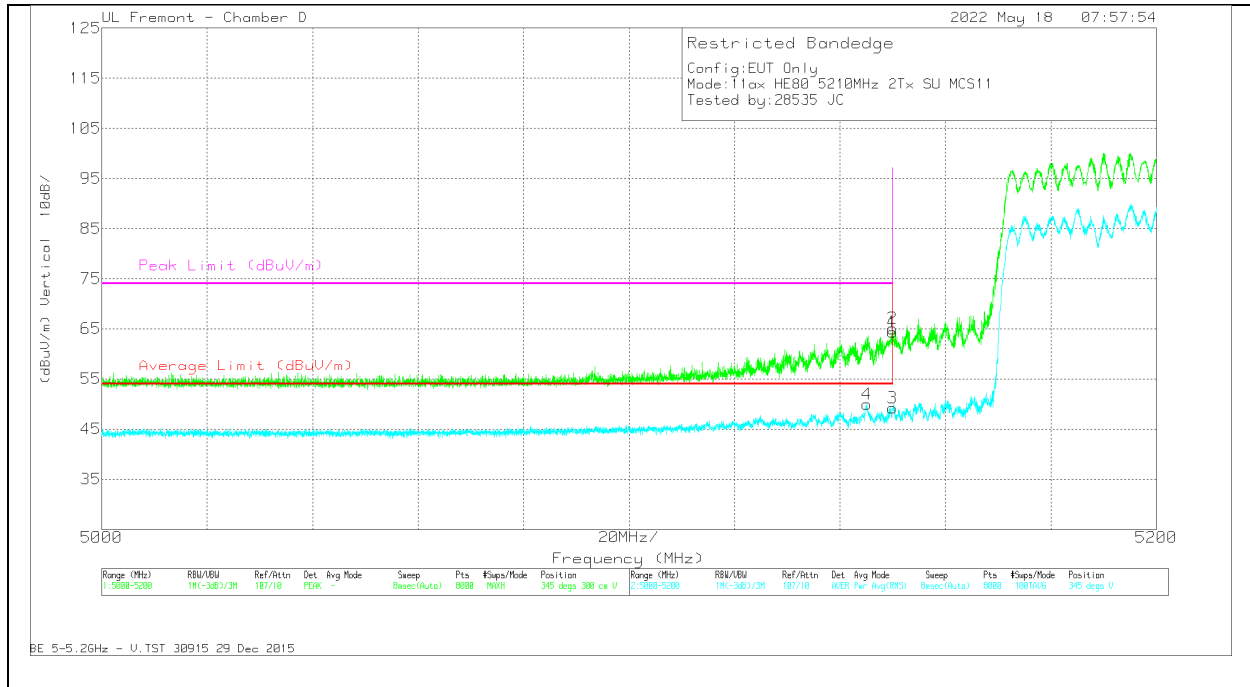


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	46.68	Pk	34.9	-18.2	0	63.38	-	-	74	-10.62	289	229	H
2	* 5149.543	49.38	Pk	34.9	-18.2	0	66.08	-	-	74	-7.92	289	229	H
3	* 5150	32.91	RMS	34.9	-18.2	.97	50.58	54	-3.42	-	-	289	229	H
4	* 5149.968	33.69	RMS	34.9	-18.2	.97	51.36	54	-2.64	-	-	289	229	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



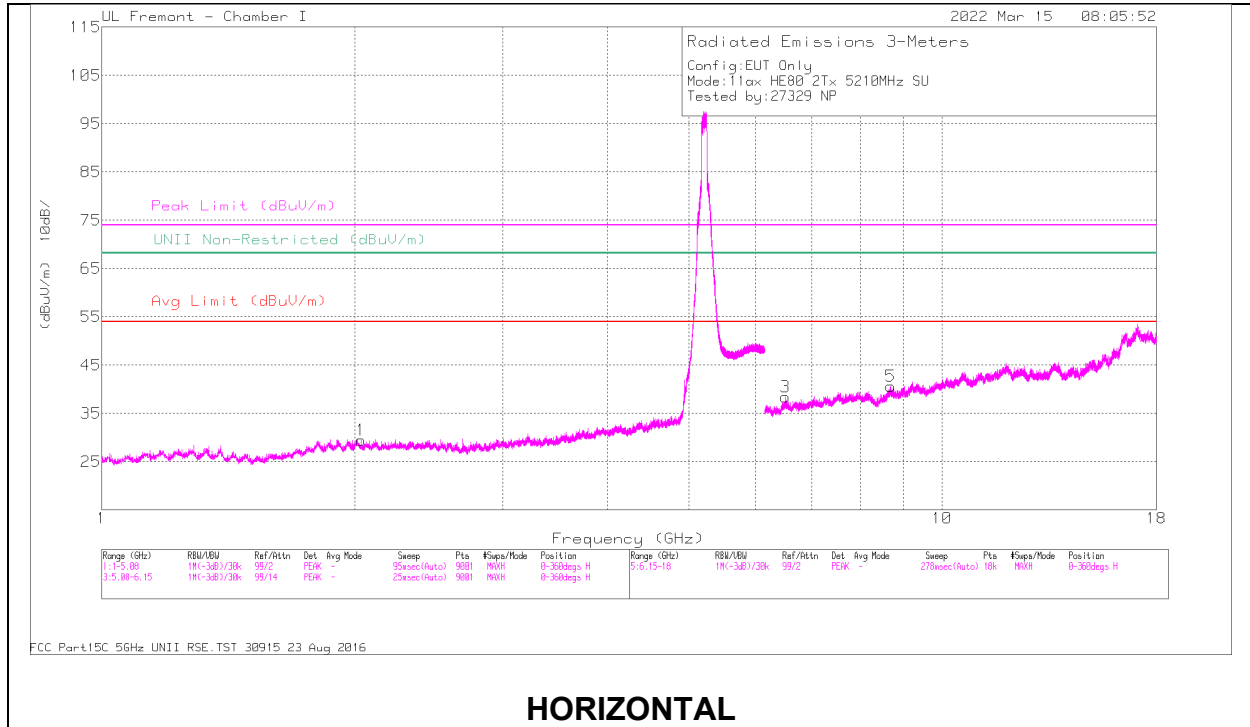
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	47.63	Pk	34.9	-18.2	0	64.33	-	-	74	-9.67	345	300	V
2	* 5149.993	48.35	Pk	34.9	-18.2	0	65.05	-	-	74	-8.95	345	300	V
3	* 5150	31.64	RMS	34.9	-18.2	.97	49.31	54	-4.69	-	-	345	300	V
4	* 5145.042	32.49	RMS	34.9	-18.2	.97	50.16	54	-3.84	-	-	345	300	V

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

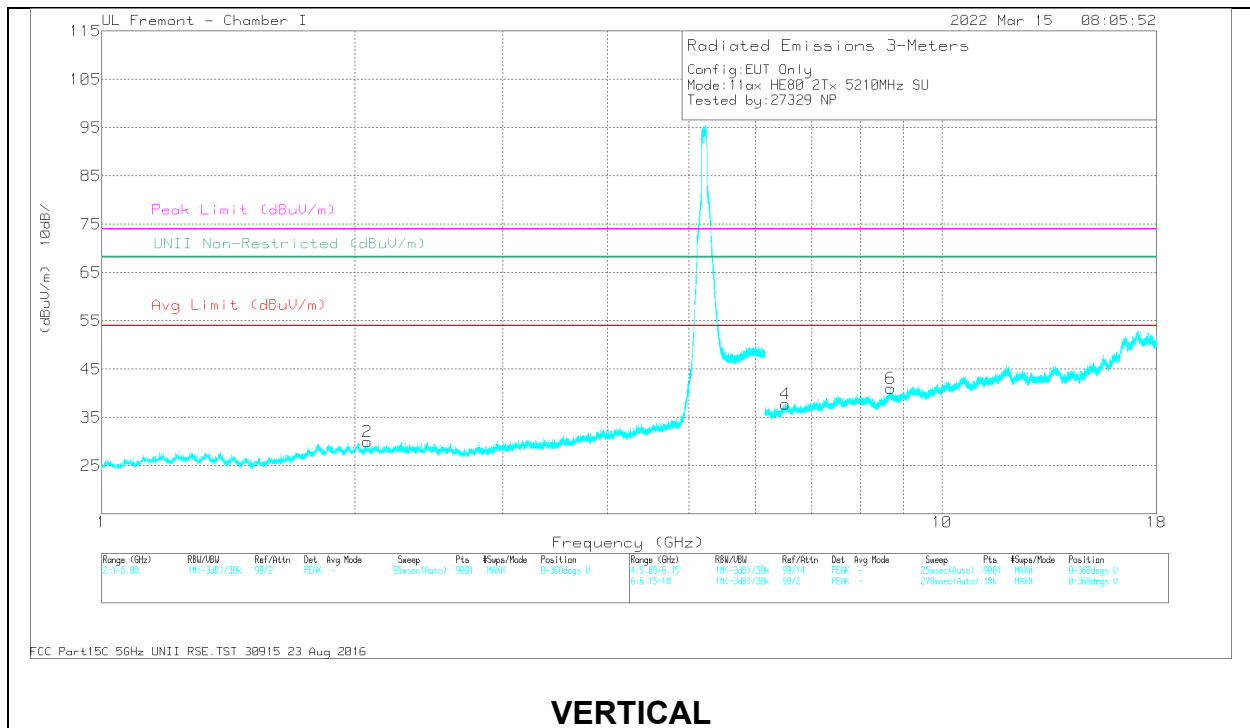
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.036453	37.43	PK-U	31.1	-30.3	38.23	68.2	-29.97	40	111	H
2	2.069312	39.71	PK-U	31.1	-30.2	40.61	68.2	-27.59	278	298	V
3	6.511909	31.78	PK-U	35.3	-20	47.08	68.2	-21.12	203	306	H
5	8.682317	31.31	PK-U	35.8	-17	50.11	68.2	-18.09	15	159	H
4	6.513361	31.52	PK-U	35.3	-20	46.82	68.2	-21.38	61	108	V
6	8.688408	30.54	PK-U	35.8	-17.1	49.24	68.2	-18.96	181	258	V

PK-U - U-NII: Maximum Peak

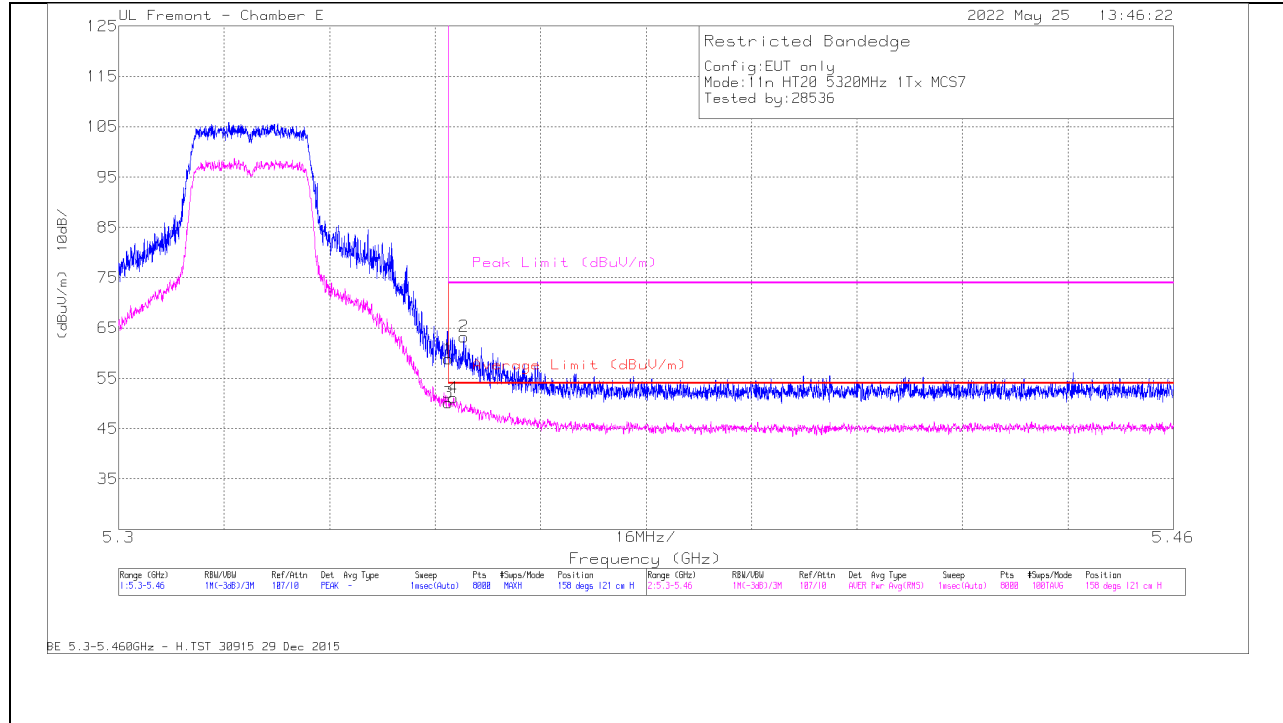
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

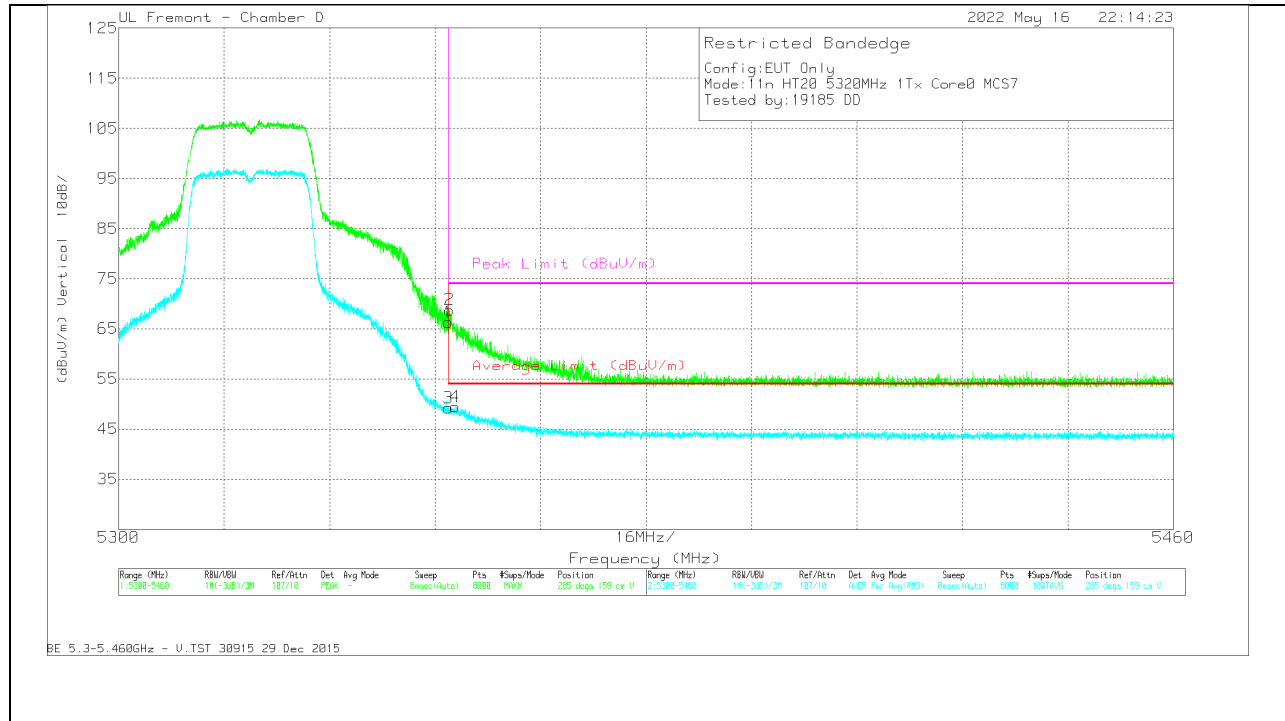


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.23	Pk	34.5	-20.9	0	58.83	-	-	74	-15.17	158	121	H
2	* 5.352348	49.68	Pk	34.5	-20.9	0	63.28	-	-	74	-10.72	158	121	H
3	* 5.35	36.08	RMS	34.5	-20.9	.62	50.30	54	-3.70	-	-	158	121	H
4	* 5.350788	37.14	RMS	34.5	-20.9	.62	51.36	54	-2.64	-	-	158	121	H

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

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/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	* 5350	50	Pk	34.8	-18.5	0	66.3	-	-	74	-7.7	285	159	V
2	* 5350.168	52.5	Pk	34.8	-18.5	0	68.8	-	-	74	-5.2	285	159	V
3	* 5350	32.47	RMS	34.8	-18.5	.62	49.39	54	-4.61	-	-	285	159	V
4	* 5351.068	32.76	RMS	34.8	-18.5	.62	49.68	54	-4.32	-	-	285	159	V

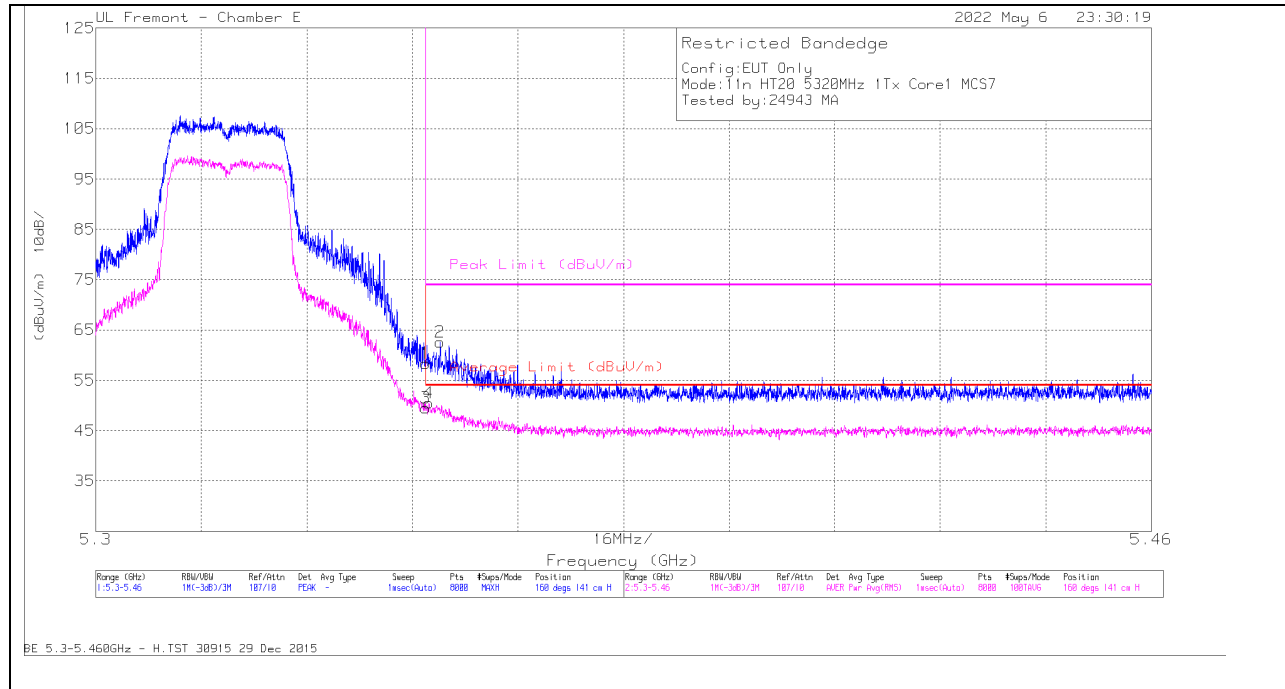
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

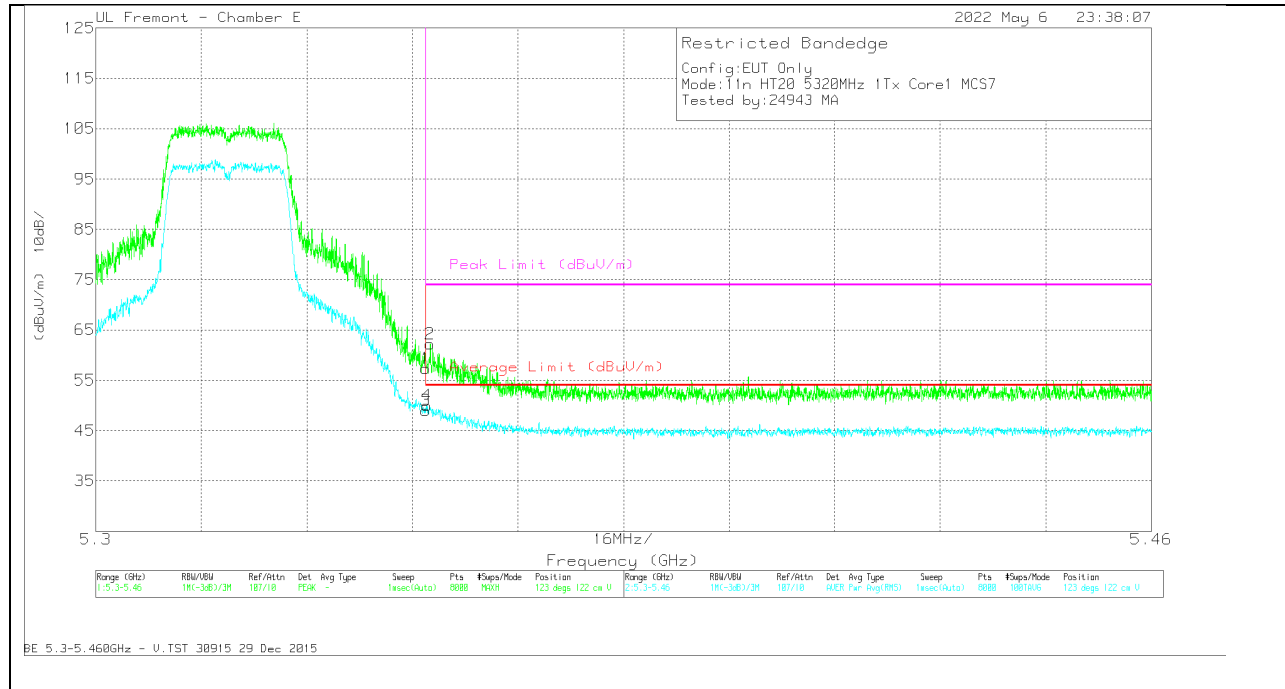


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.74	Pk	34.5	-20.9	0	58.34	-	-	74	-15.66	160	141	H
2	* 5.352208	49.03	Pk	34.5	-20.9	0	62.63	-	-	74	-11.37	160	141	H
3	* 5.35	35.53	RMS	34.5	-20.9	.62	49.75	54	-4.25	-	-	160	141	H
4	* 5.350508	36.48	RMS	34.5	-20.9	.62	50.70	54	-3.30	-	-	160	141	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	200897 ACF (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.72	Pk	34.5	-20.9	0	57.32	-	-	74	-16.68	123	122	V
2	* 5.350708	48.65	Pk	34.5	-20.9	0	62.25	-	-	74	-11.75	123	122	V
3	* 5.35	34.98	RMS	34.5	-20.9	.62	49.20	54	-4.80	-	-	123	122	V
4	* 5.350228	35.99	RMS	34.5	-20.9	.62	50.21	54	-3.79	-	-	123	122	V

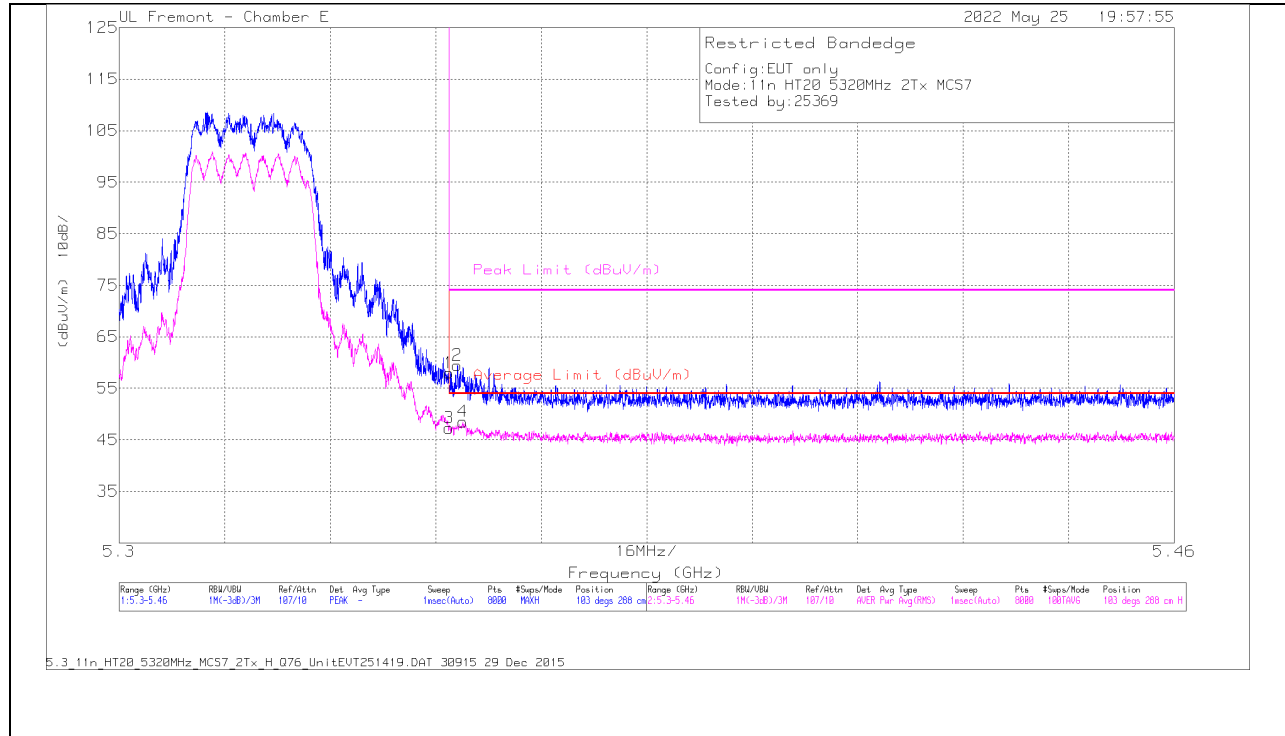
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

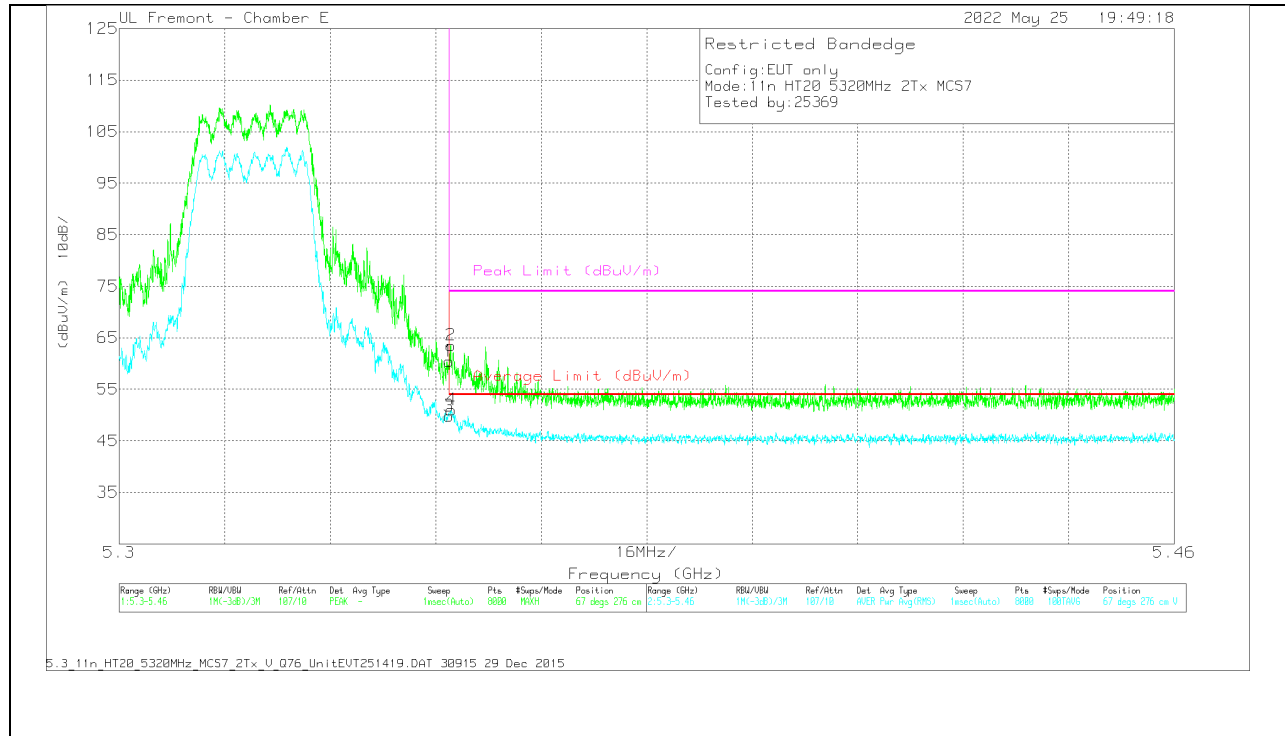


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.37	Pk	34.5	-20.9	0	57.97	-	-	74	-16.03	103	288	H
2	* 5.351288	45.86	Pk	34.5	-20.9	0	59.46	-	-	74	-14.54	103	288	H
3	* 5.35	33.09	RMS	34.5	-20.9	.62	47.31	54	-6.69	-	-	103	288	H
4	* 5.352088	34.3	RMS	34.5	-20.9	.62	48.52	54	-5.48	-	-	103	288	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



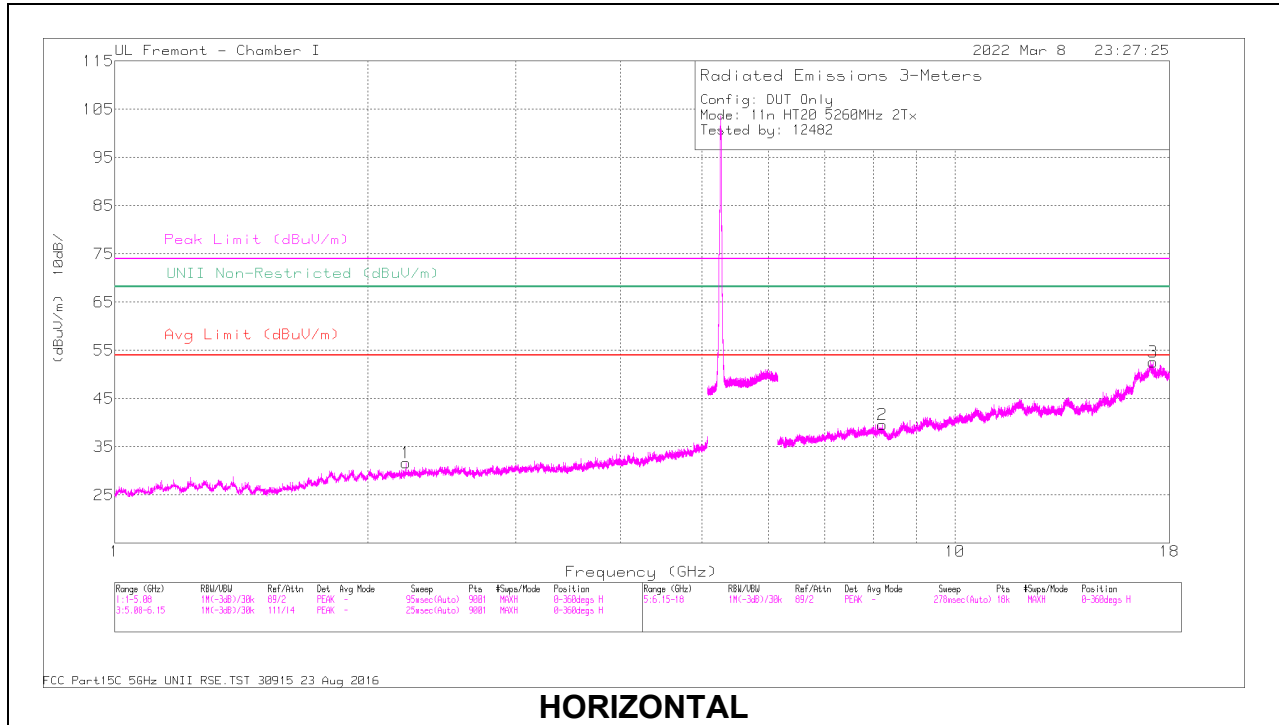
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	46.85	Pk	34.5	-20.9	0	60.45	-	-	74	-13.55	67	276	V
2	* 5.350268	49.94	Pk	34.5	-20.9	0	63.54	-	-	74	-10.46	67	276	V
3	* 5.35	35.59	RMS	34.5	-20.9	.62	49.81	54	-4.19	-	-	67	276	V
4	* 5.350348	36.81	RMS	34.5	-20.9	.62	51.03	54	-2.97	-	-	67	276	V

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

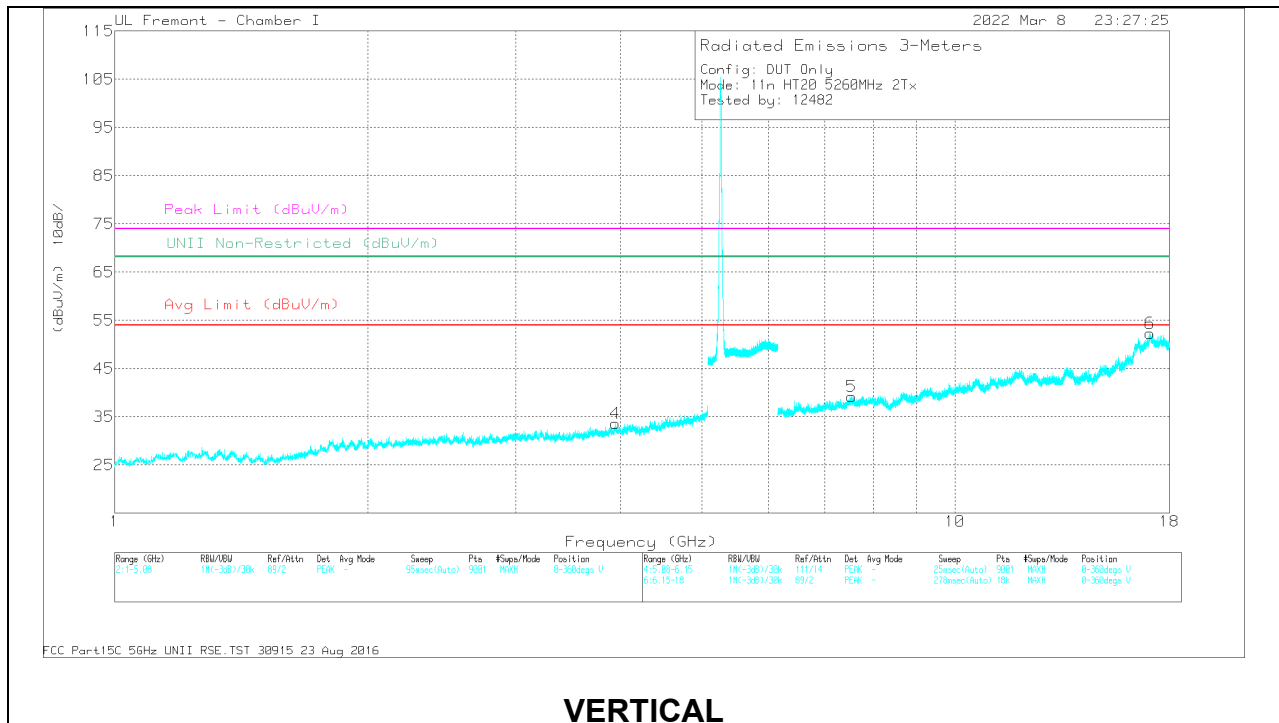
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

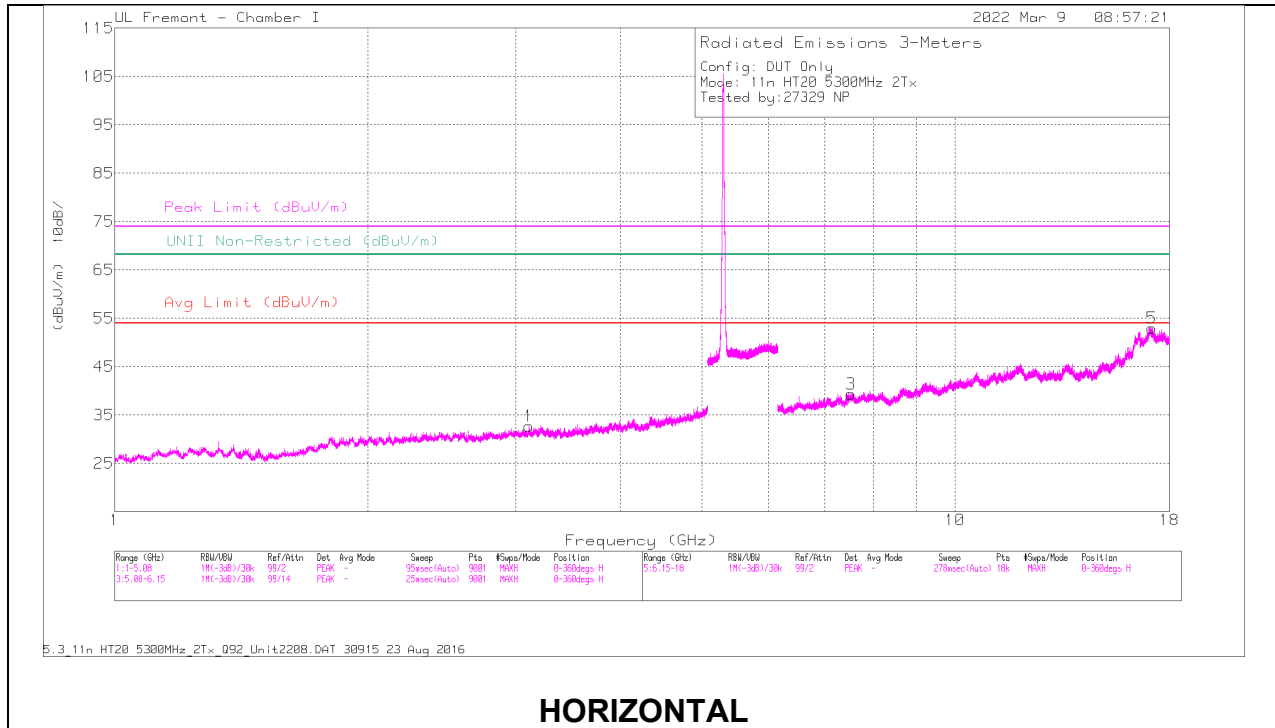
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (dB/m)	Amp/Cbl/ Filt/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	* 2.22	38.64	PK-U	31.5	-29.9	0	40.24	-	-	74	-33.76	-	-	22	168	H
	* 2.22	27.17	ADR	31.5	-29.9	.11	28.88	54	-25.12	-	-	-	-	22	168	H
4	* 3.95	36.16	PK-U	33.5	-26.7	0	42.96	-	-	74	-31.04	-	-	245	332	V
	* 3.95	24.68	ADR	33.5	-26.7	.11	31.59	54	-22.41	-	-	-	-	245	332	V
2	* 8.19	31.23	PK-U	35.6	-18.1	0	48.73	-	-	74	-25.27	-	-	9	108	H
	* 8.19	19.52	ADR	35.6	-18.1	.11	37.13	54	-16.87	-	-	-	-	9	108	H
3	17.20	30.47	PK-U	41.8	-10.7	0	61.57	-	-	-	-	68.2	-6.63	58	103	H
5	* 7.53	32.04	PK-U	35.7	-18.9	0	48.84	-	-	74	-25.16	-	-	242	234	V
	* 7.53	20.01	ADR	35.7	-18.9	.11	36.92	54	-17.08	-	-	-	-	242	234	V
6	17.07	29.87	PK-U	42	-10.8	0	61.07	-	-	-	-	68.2	-7.13	354	138	V

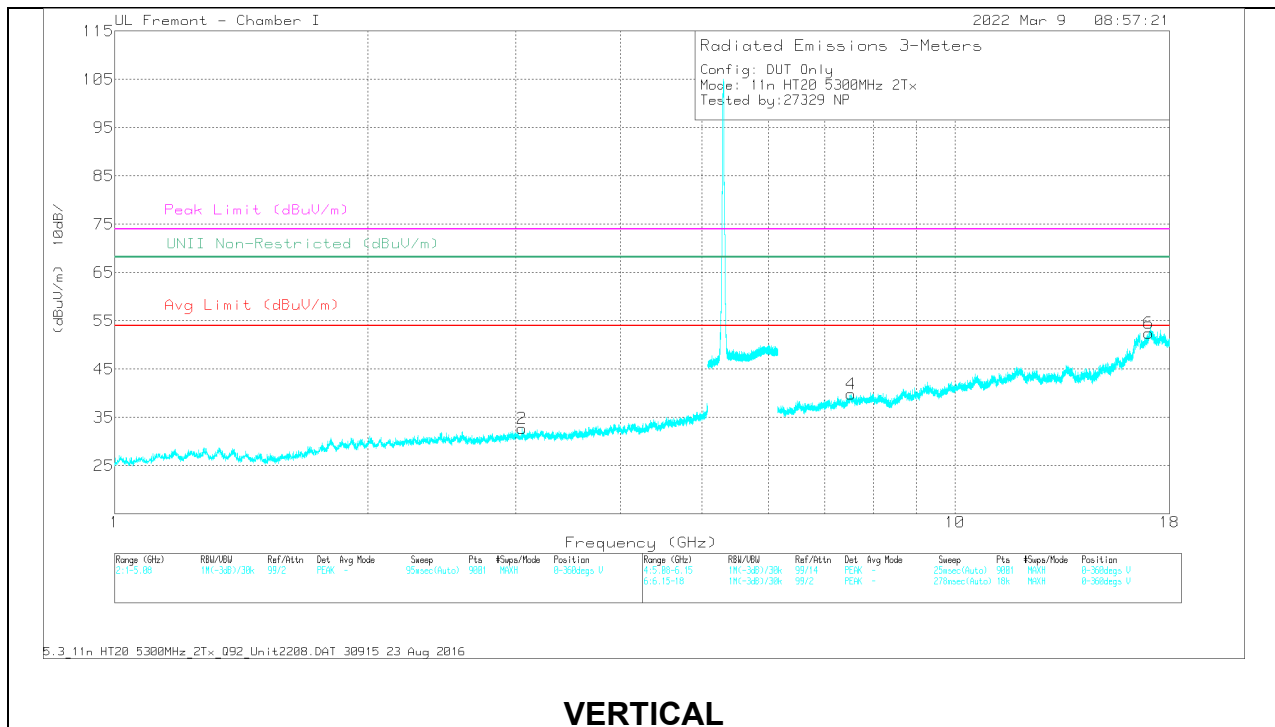
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

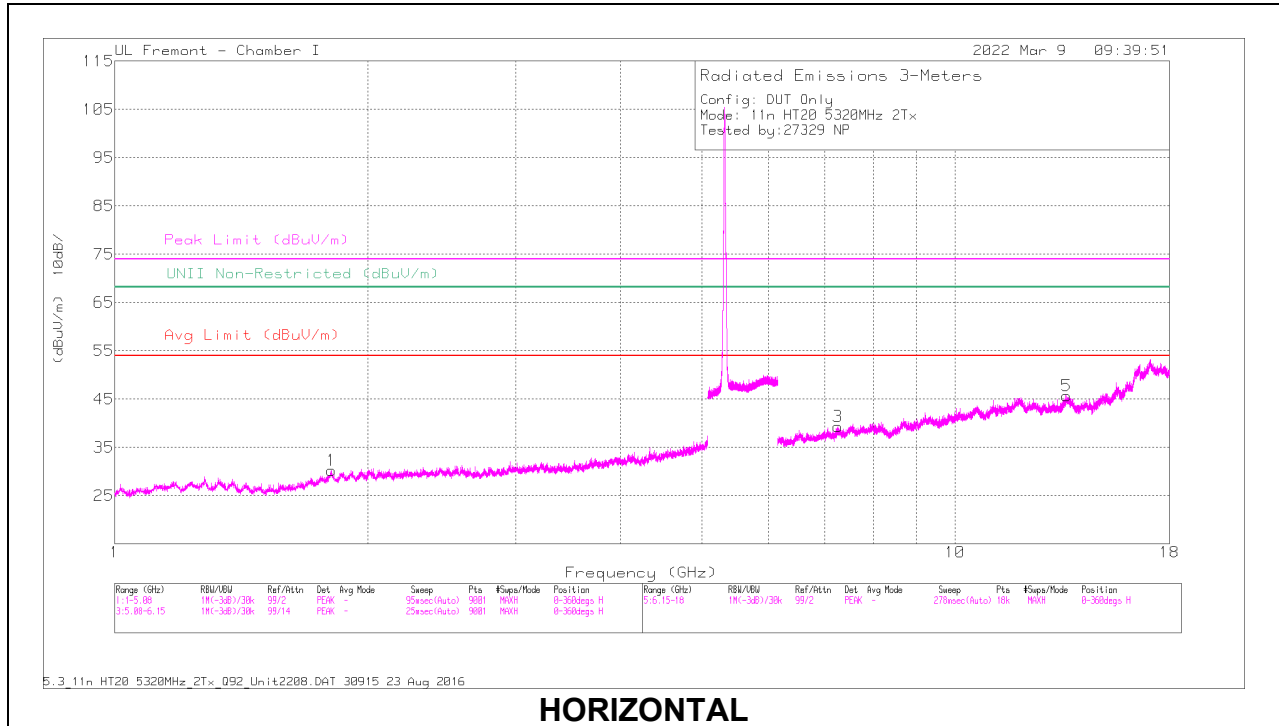
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 206805 (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	3.111	36.9	PK-U	32.8	-28.5	0	41.2	-	-	-	-	68.2	-27	207	349	H
2	3.054	35.38	PK-U	32.7	-28.6	0	39.48	-	-	-	-	68.2	-28.72	256	249	V
3	* 7.52	31.98	PK-U	35.7	-18.6	0	49.08	-	-	74	-24.92	-	-	147	173	H
	* 7.52	20.46	ADR	35.7	-18.6	.11	37.67	54	-16.33	-	-	-	-	147	173	H
5	17.15	30.82	PK-U	41.9	-11.3	0	61.42	-	-	-	-	68.2	-6.78	301	196	H
4	* 7.52	32.26	PK-U	35.7	-18.6	0	49.36	-	-	74	-24.64	-	-	197	196	V
	* 7.52	20.59	ADR	35.7	-18.6	.11	37.8	54	-16.2	-	-	-	-	197	196	V
6	17.00	30.63	PK-U	42	-11.3	0	61.33	-	-	-	-	68.2	-6.87	321	224	V

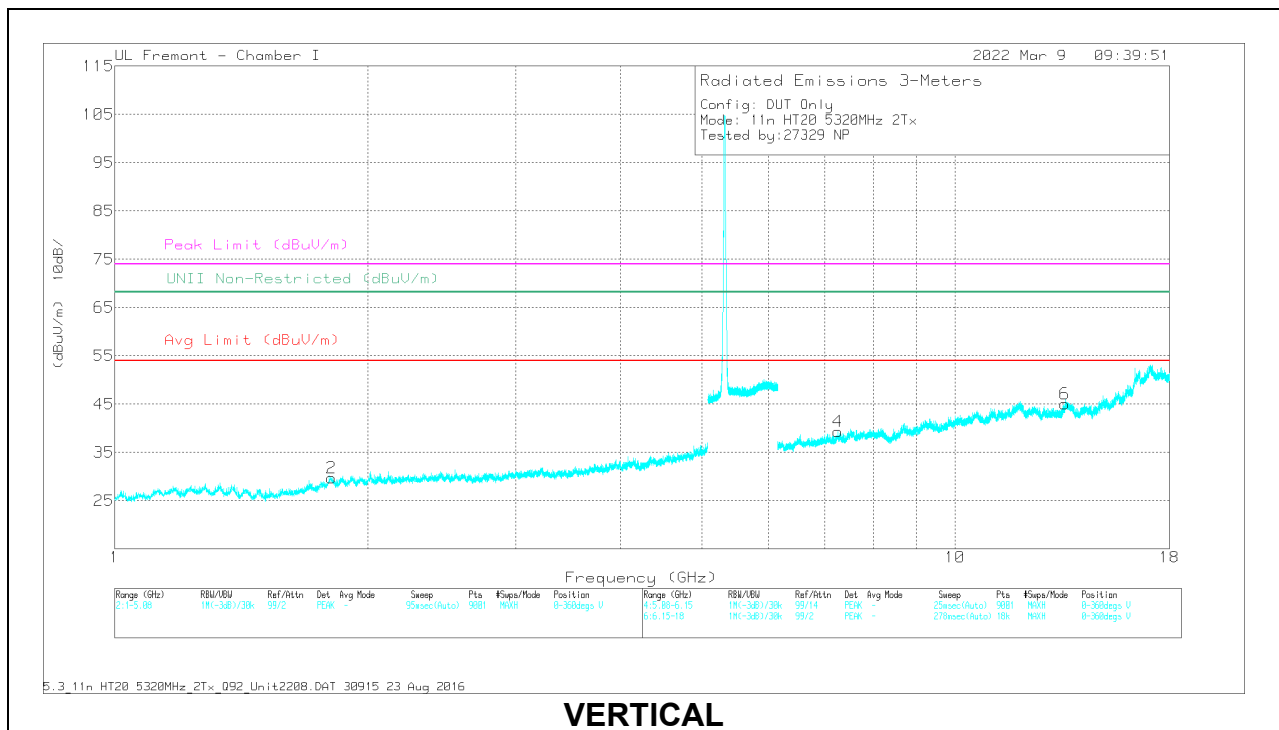
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 206866 (dB/m)	Amp/Cbl/F ltr/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	1.808	39.72	PK-U	30.7	-30.3	0	40.12	-	-	-	-	68.2	-28.08	281	162	H
2	1.812	39.28	PK-U	30.7	-30.3	0	39.68	-	-	-	-	68.2	-28.52	176	243	V
3	* 7.254	31.97	PK-U	35.5	-19.1	0	48.37	-	-	74	-25.63	-	-	338	180	H
	* 7.252	20.44	ADR	35.5	-19	.11	37.05	54	-16.95	-	-	-	-	338	180	H
5	13.58	33.96	PK-U	38.8	-17.2	0	55.56	-	-	-	-	68.2	-12.64	117	141	H
4	* 7.256	32.14	PK-U	35.5	-19.1	0	48.54	-	-	74	-25.46	-	-	6	197	V
	* 7.256	20.44	ADR	35.5	-19.1	.11	36.95	54	-17.05	-	-	-	-	6	197	V
6	13.51	34.11	PK-U	38.9	-17.6	0	55.41	-	-	-	-	68.2	-12.79	168	178	V

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

PK-U - U-NII: Maximum Peak

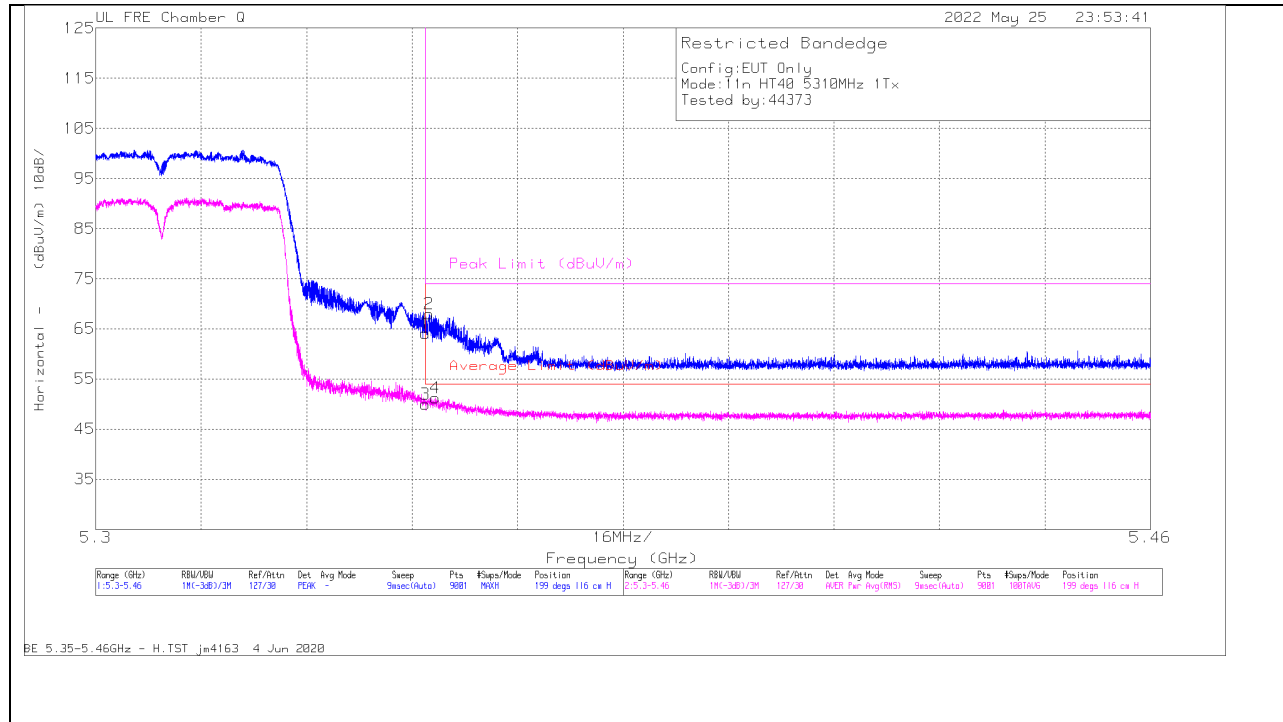
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

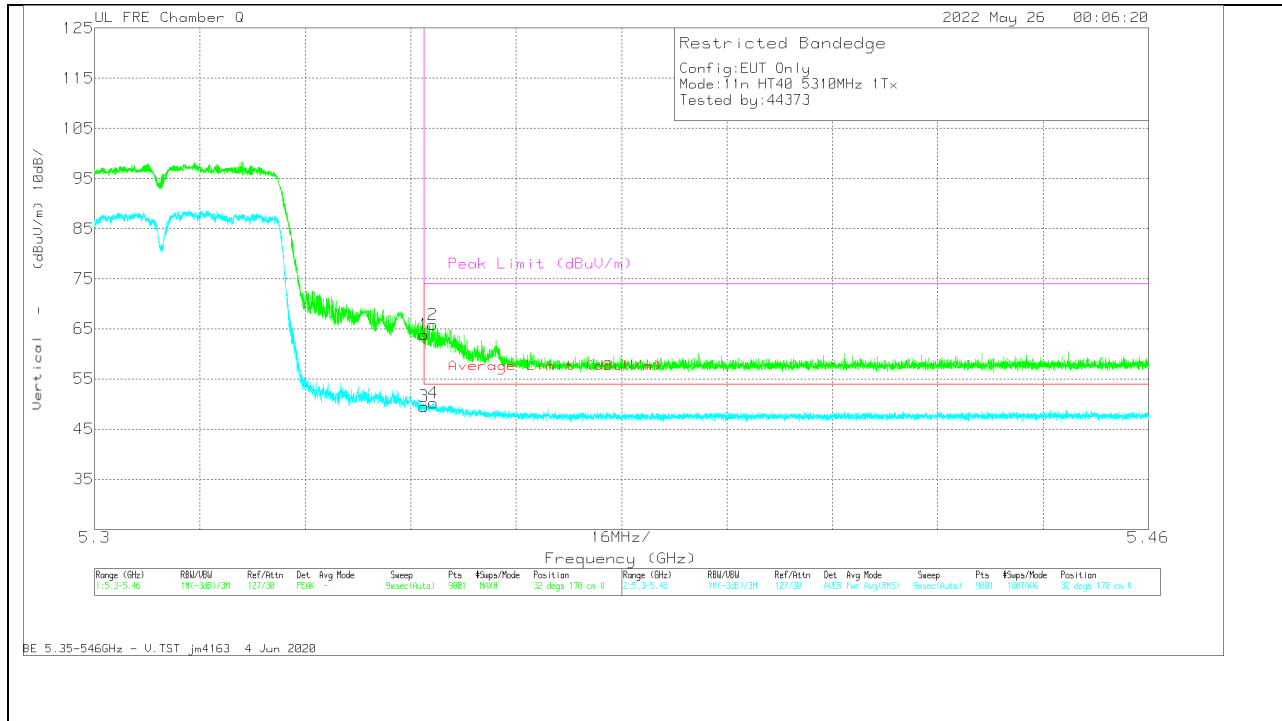


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cb/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*5.35	60.47	Pk	34.5	-30.8	0	64.17	-	-	74	-9.83	199	116	H
3	*5.35	45.63	RMS	34.5	-30.8	.89	50.24	54	-3.76	-	-	199	116	H
2	*5.350578	64.28	Pk	34.5	-30.8	0	67.98	-	-	74	-6.02	199	116	H
4	*5.351485	46.84	RMS	34.5	-30.8	.89	51.43	54	-2.57	-	-	199	116	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 200895 (dB/m)	Amp/CbIF In/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	60.21	Pk	34.5	-30.8	0	63.91	-	-	74	-10.09	32	170	V
3	*5.35	45.18	RMS	34.5	-30.8	.89	49.77	54	-4.23	-	-	32	170	V
2	*5.351361	62.11	PK	34.5	-30.8	0	65.81	-	-	74	-8.19	32	170	V
4	*5.351414	45.87	RMS	34.5	-30.8	.89	50.46	54	-3.54	-	-	32	170	V

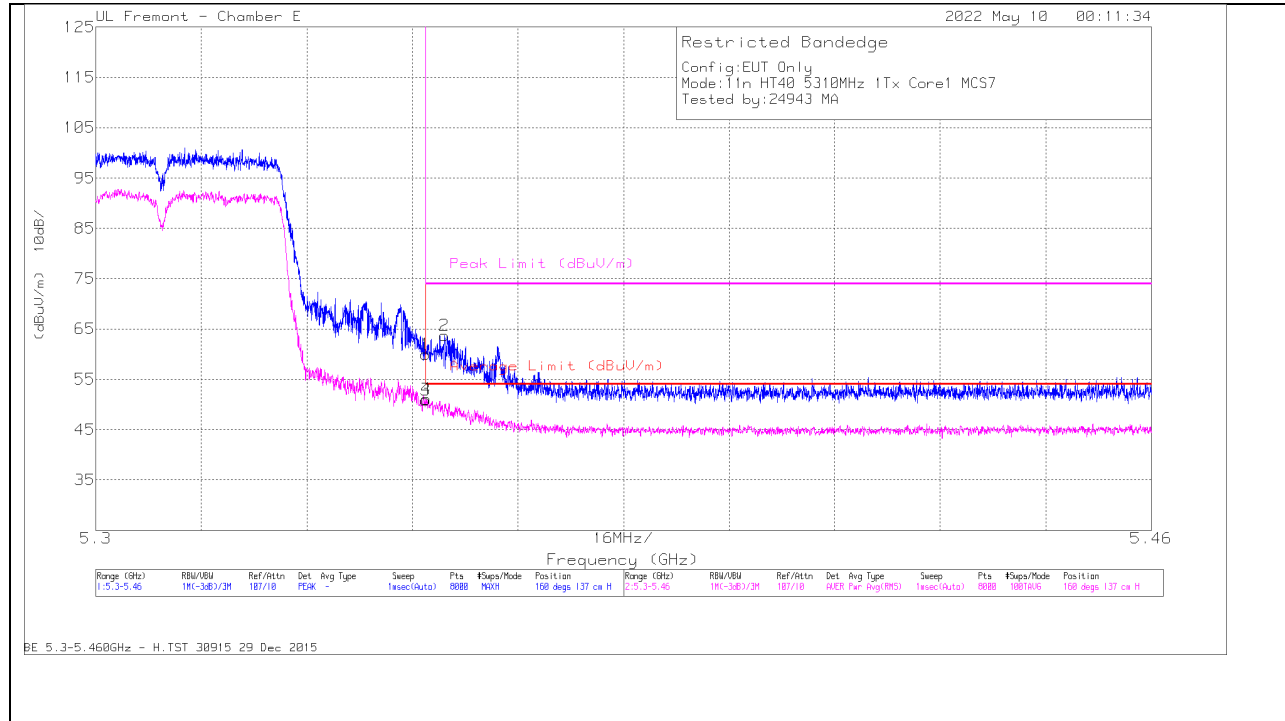
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

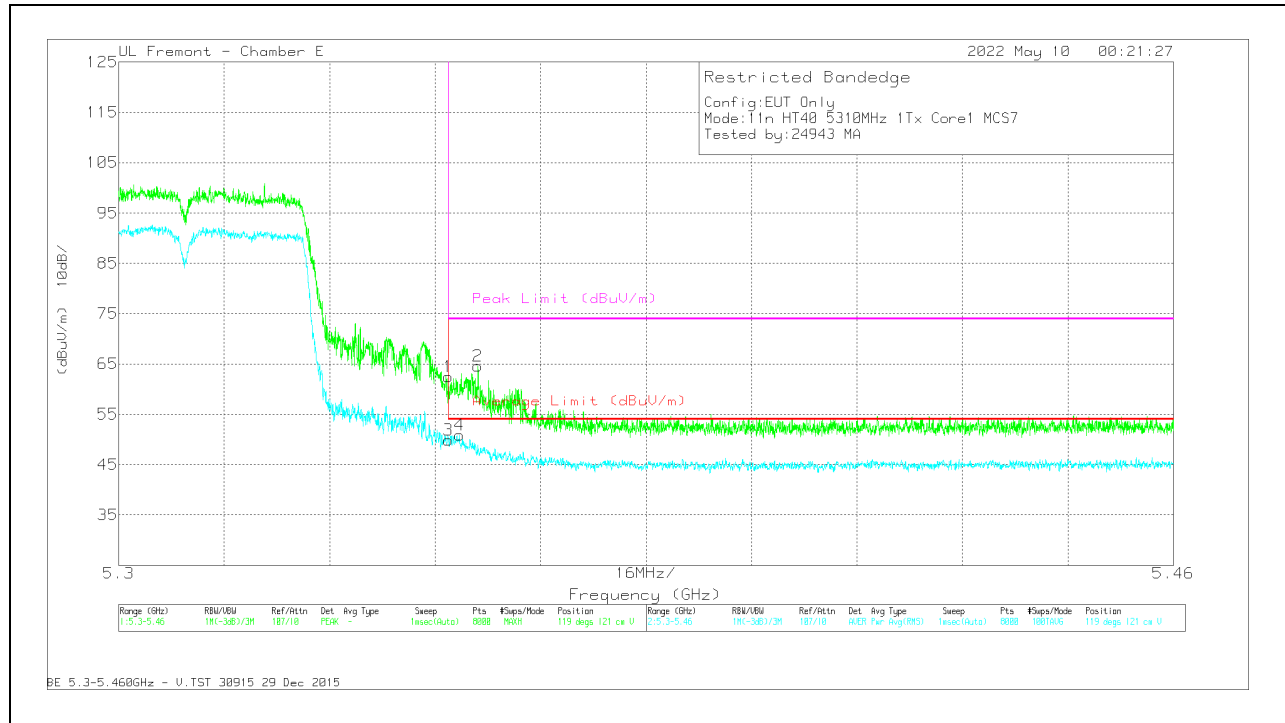


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	46.37	Pk	34.5	-20.9	0	59.97	-	-	74	-14.03	160	137	H
3	* 5.35	36.65	RMS	34.5	-20.9	.89	51.14	54	-2.86	-	-	160	137	H
4	* 5.350128	36.78	RMS	34.5	-20.9	.89	51.27	54	-2.73	-	-	160	137	H
2	* 5.352868	50.17	Pk	34.5	-20.9	0	63.77	-	-	74	-10.23	160	137	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/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	48.83	Pk	34.5	-20.9	0	62.43	-	-	74	-11.57	119	121	V
2	* 5.354488	51.04	Pk	34.5	-20.9	0	64.64	-	-	74	-9.36	119	121	V
3	* 5.35	35.65	RMS	34.5	-20.9	.89	50.14	54	-3.86	-	-	119	121	V
4	* 5.351688	36.54	RMS	34.5	-20.9	.89	51.03	54	-2.97	-	-	119	121	V

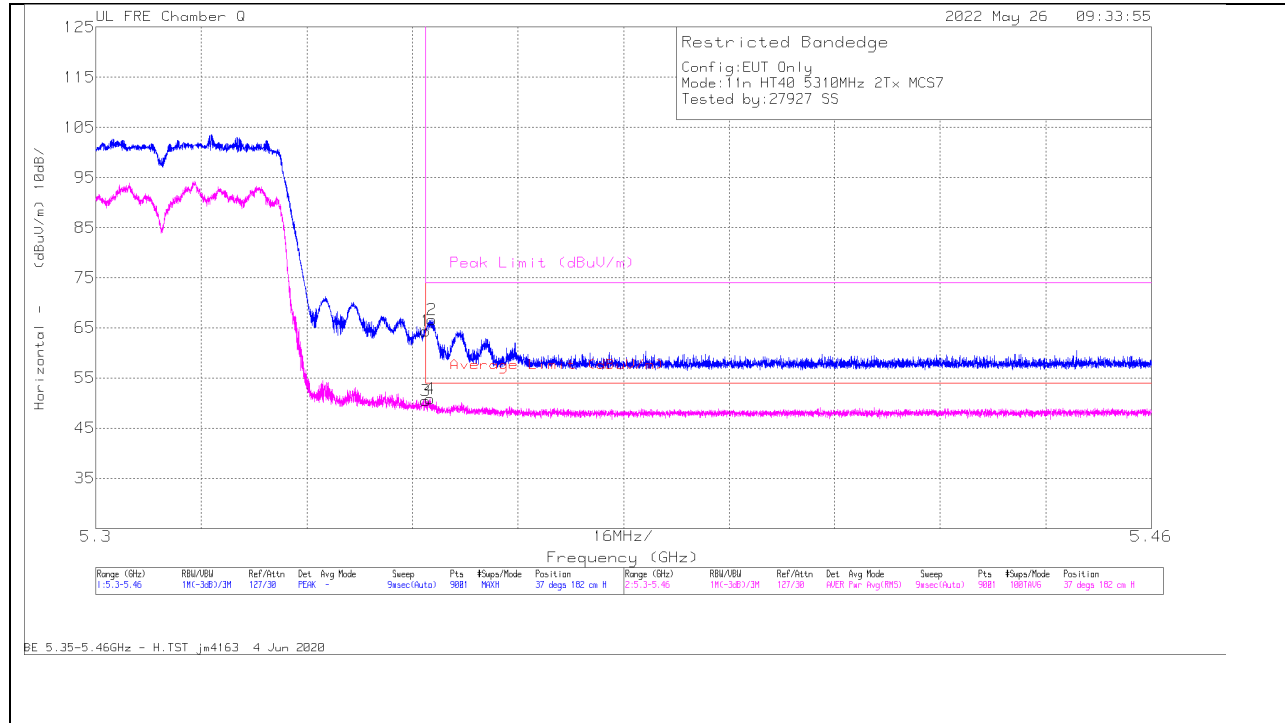
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

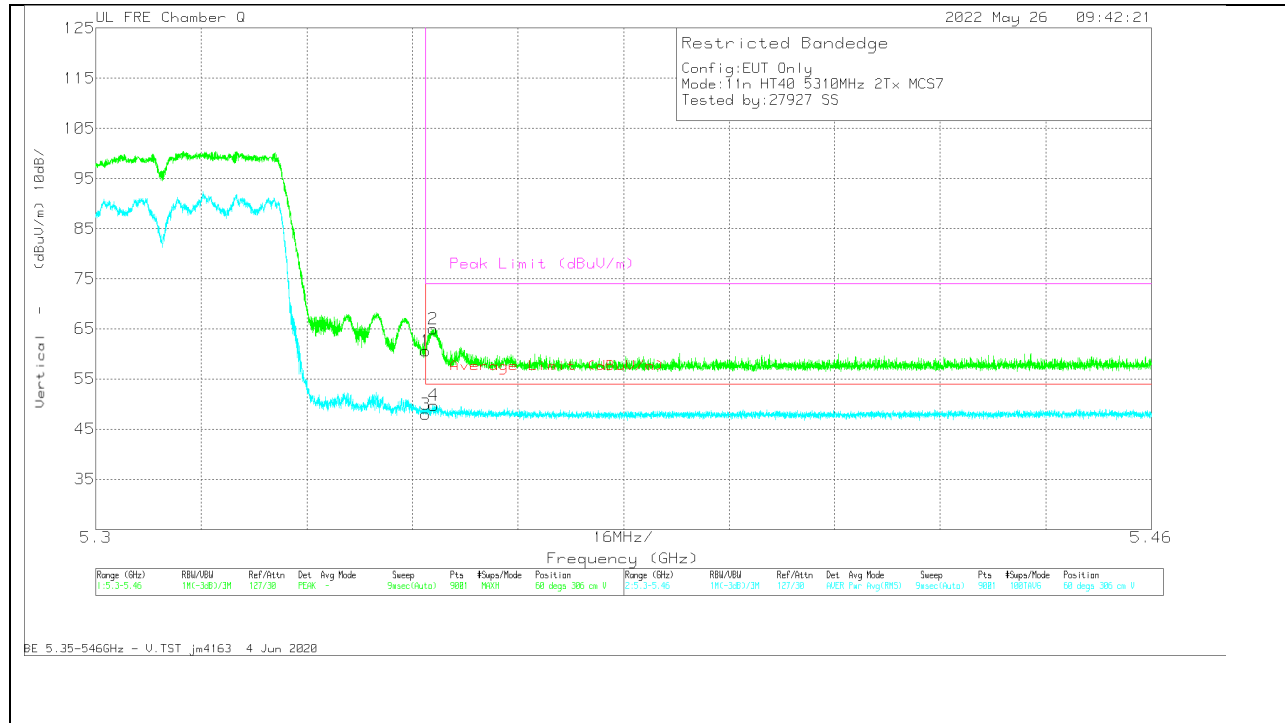


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cb/IF Tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*5.35	60.65	Pk	34.5	-30.8	0	64.35	-	-	74	-9.65	37	182	H
3	*5.35	45.74	RMS	34.5	-30.8	0.89	50.33	54	-3.67	-	-	37	182	H
4	*5.35065	46.17	RMS	34.5	-30.8	0.89	50.76	54	-3.24	-	-	37	182	H
2	*5.350987	62.95	Pk	34.5	-30.8	0	66.65	-	-	74	-7.35	37	182	H

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

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



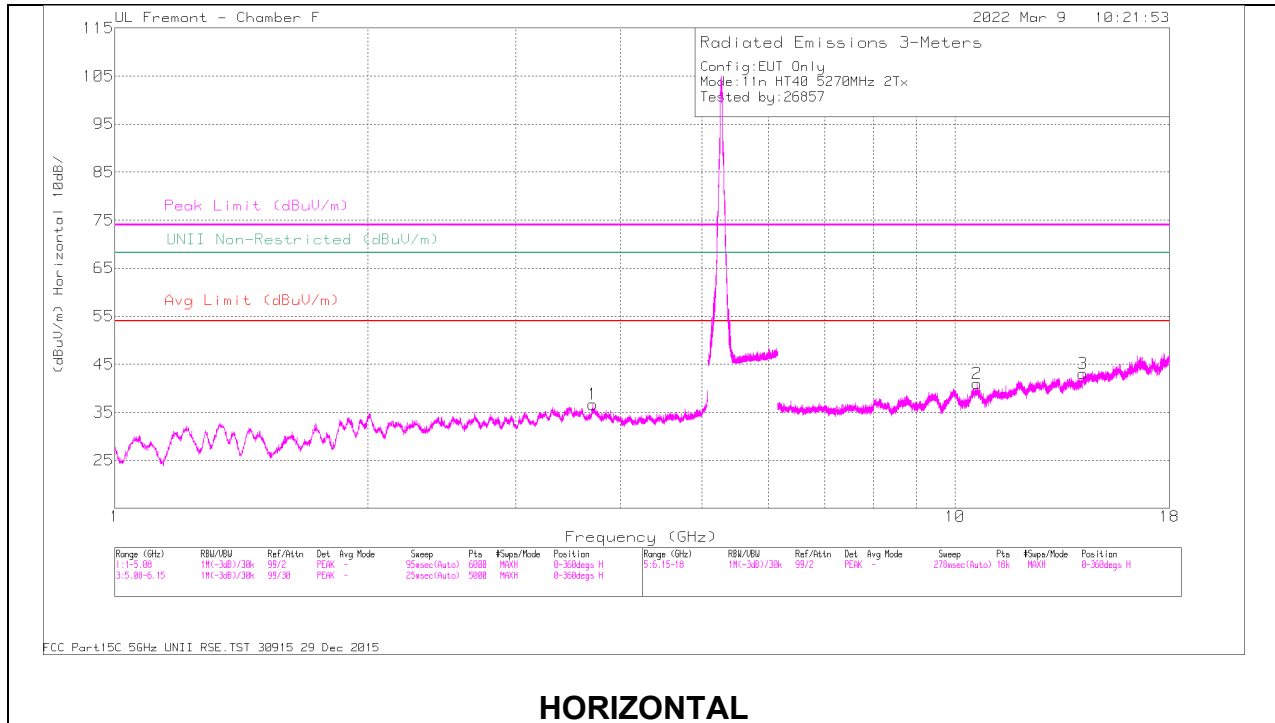
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/CbUF tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*5.35	56.87	Pk	34.5	-30.8	0	60.57	-	-	74	-13.43	60	306	V
3	*5.35	43.26	RMS	34.5	-30.8	0.89	47.85	54	-6.15	-	-	60	306	V
2	*5.351183	61.27	Pk	34.5	-30.8	0	64.97	-	-	74	-9.03	60	306	V
4	*5.351218	45.07	RMS	34.5	-30.8	0.89	49.66	54	-4.34	-	-	60	306	V

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

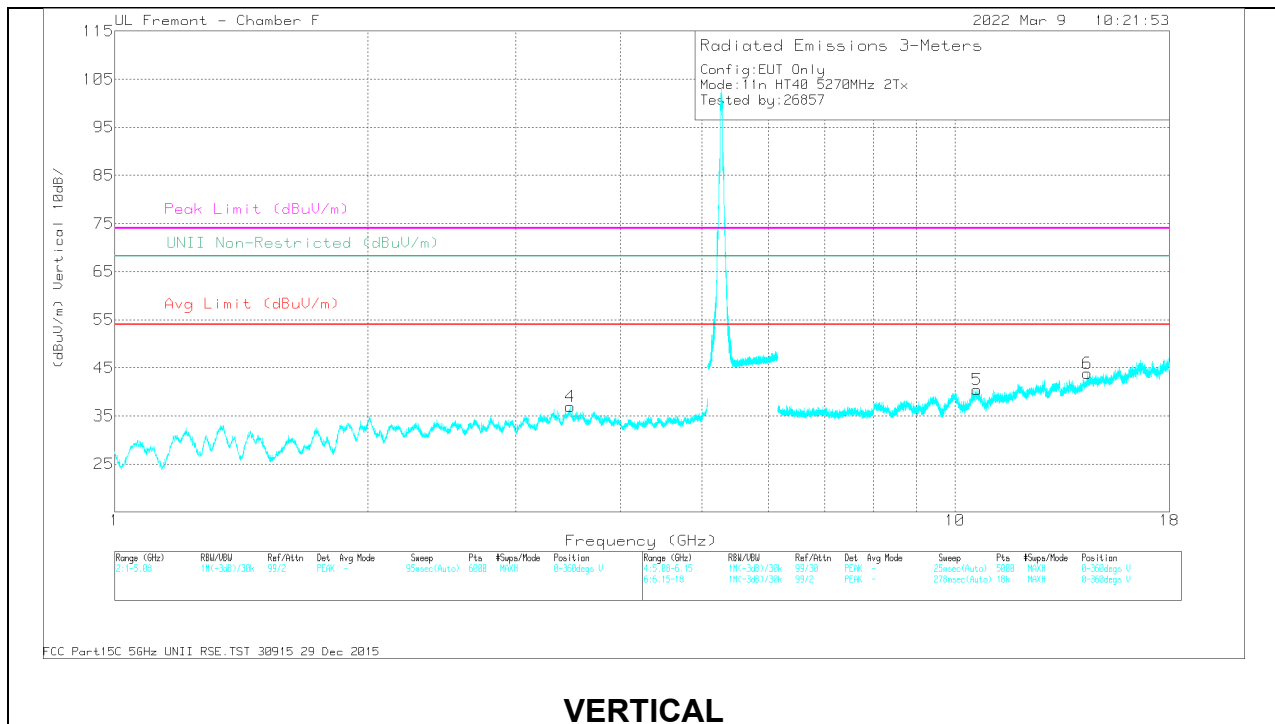
Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

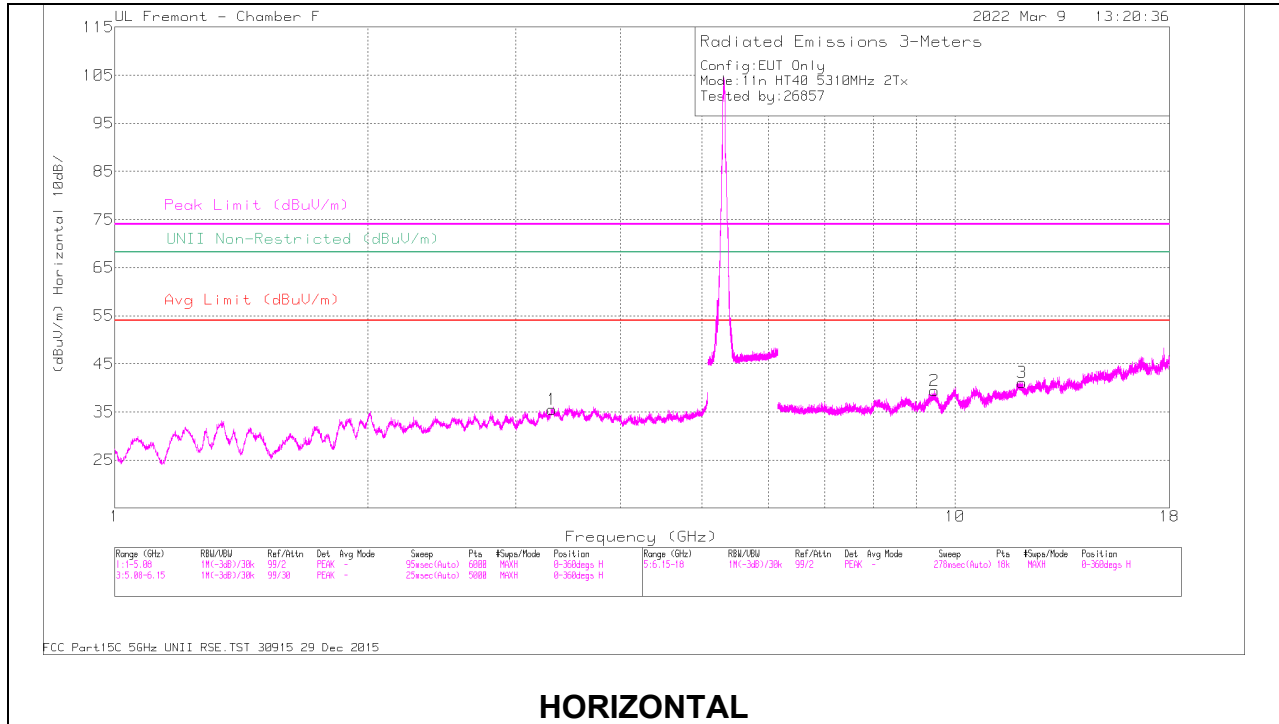
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dBm)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.705	57.8	PK-U	34.7	-46.8	0	45.7	-	-	74	-28.3	-	-	7	204	H
	* 3.703	45.96	ADR	34.7	-46.8	.19	34.05	54	-19.95	-	-	-	-	7	204	H
4	3.4837	57.43	PK-U	35.5	-46.8	0	46.13	-	-	-	-	68.2	-22.07	330	219	V
2	* 10.63	58.02	PK-U	38	-46.1	0	49.92	-	-	74	-24.08	-	-	89	164	H
	* 10.63	46.12	ADR	38	-46.1	.19	38.21	54	-15.79	-	-	-	-	89	164	H
3	14.201	57.26	PK-U	39.6	-45.2	0	51.66	-	-	-	-	68.2	-16.54	321	184	H
5	* 10.63	57.69	PK-U	38	-46.1	0	49.59	-	-	74	-24.41	-	-	322	208	V
	* 10.63	46.18	ADR	38	-46.1	.19	38.27	54	-15.73	-	-	-	-	322	208	V
6	14.381	57.85	PK-U	39.9	-45.4	0	52.35	-	-	-	-	68.2	-15.85	30	215	V

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

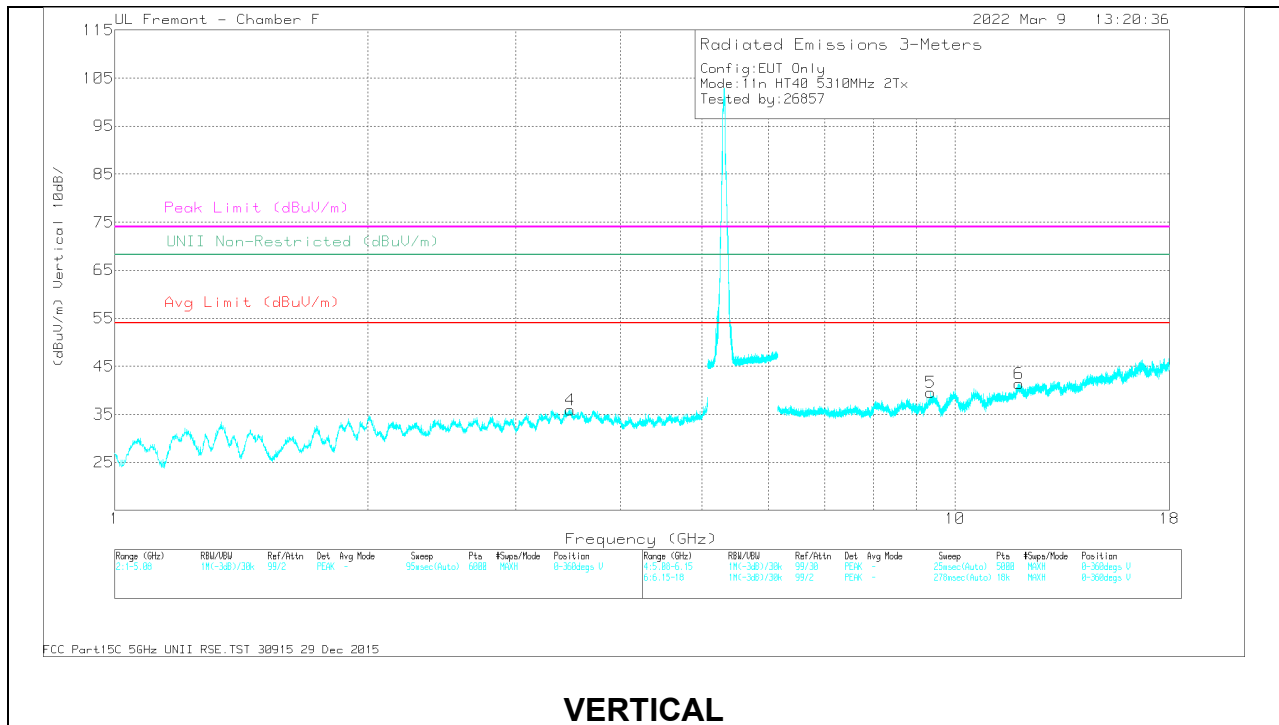
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/F ttr/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	3.3169	57.25	PK-U	34.5	-46.4	0	45.35	-	-	-	-	68.2	-22.85	242	244	H
4	3.4845	57.8	PK-U	35.5	-46.8	0	46.5	-	-	-	-	68.2	-21.7	184	170	V
2	* 9.454	57.25	PK-U	36.6	-45	0	48.85	-	-	74	-25.15	-	-	176	231	H
	* 9.457	45.28	ADR	36.7	-45.1	.19	37.07	54	-16.93	-	-	-	-	176	231	H
3	* 12.02	56.06	PK-U	39.2	-45	0	50.26	-	-	74	-23.74	-	-	25	203	H
	* 12.02	44.35	ADR	39.2	-45	.19	38.74	54	-15.26	-	-	-	-	25	203	H
5	* 9.355	57.07	PK-U	36.5	-45.1	0	48.47	-	-	74	-25.53	-	-	11	246	V
	* 9.355	45.4	ADR	36.5	-45.1	.19	36.99	54	-17.01	-	-	-	-	11	246	V
6	* 11.91	55.69	PK-U	39.1	-45	0	49.79	-	-	74	-24.21	-	-	205	105	V
	* 11.91	44.38	ADR	39.1	-45	.19	38.67	54	-15.33	-	-	-	-	205	105	V

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

PK-U - U-NII: Maximum Peak

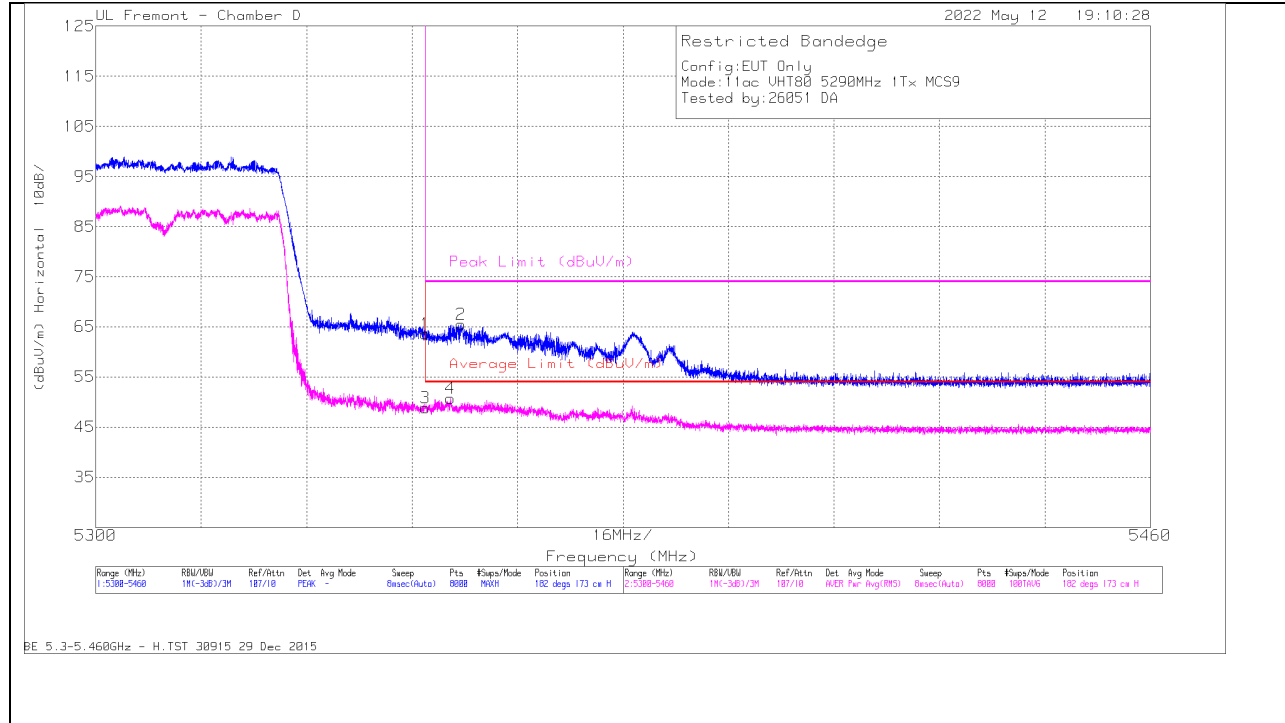
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

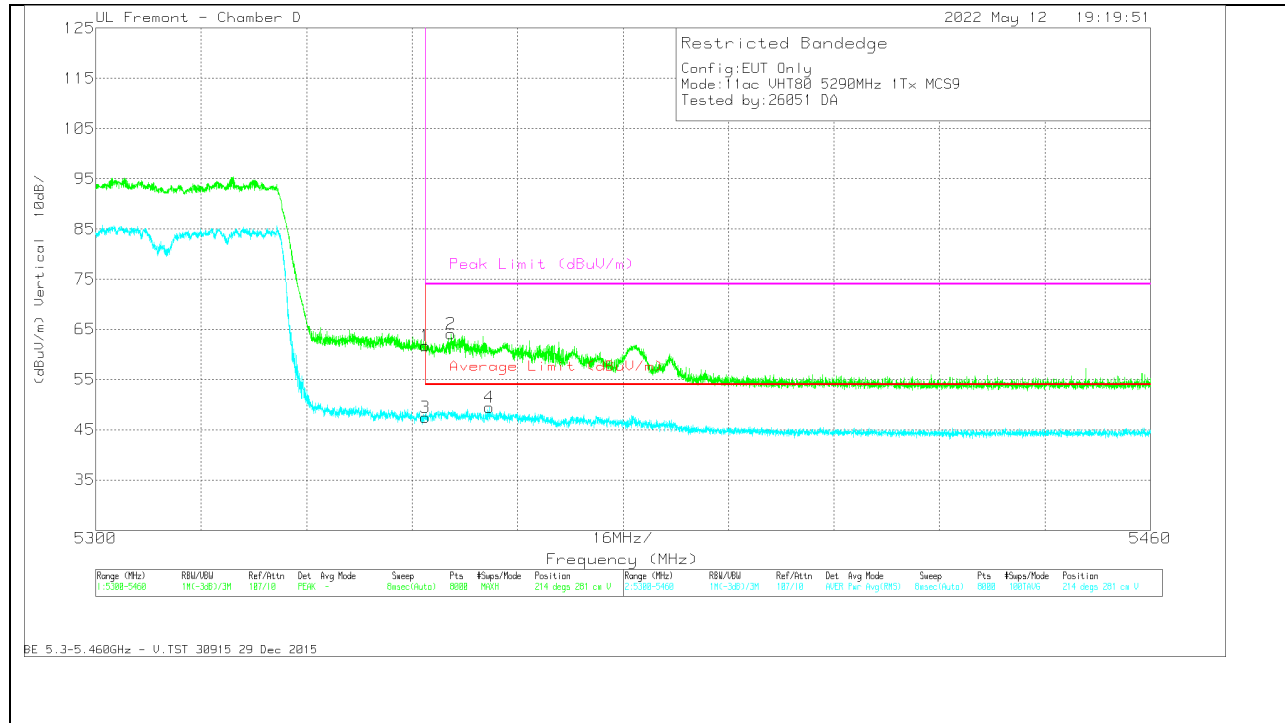


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	47.35	Pk	34.8	-18.5	0	63.65	-	-	74	-10.35	182	173	H
2	* 5355.388	49.11	Pk	34.8	-18.4	0	65.51	-	-	74	-8.49	182	173	H
3	* 5350	31.4	RMS	34.8	-18.5	1.30	49.00	54	-5.00	-	-	182	173	H
4	* 5353.768	33.19	RMS	34.8	-18.5	1.30	50.79	54	-3.21	-	-	182	173	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (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	* 5350	45.44	Pk	34.8	-18.5	0	61.74	-	-	74	-12.26	214	281	V
2	* 5353.928	47.76	Pk	34.8	-18.5	0	64.06	-	-	74	-9.94	214	281	V
3	* 5350	29.97	RMS	34.8	-18.5	1.30	47.57	54	-6.43	-	-	214	281	V
4	* 5359.689	31.9	RMS	34.8	-18.4	1.30	49.60	54	-4.40	-	-	214	281	V

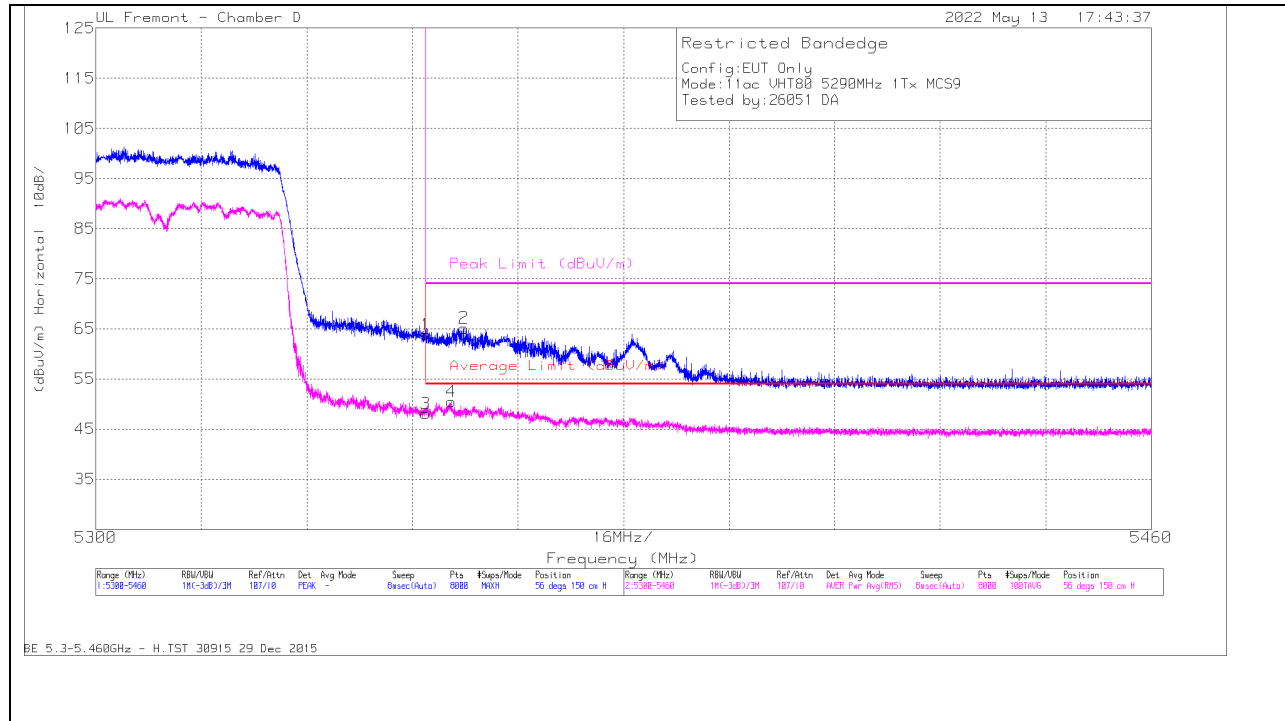
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
 RMS - RMS detection

1TX Antenna 5

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

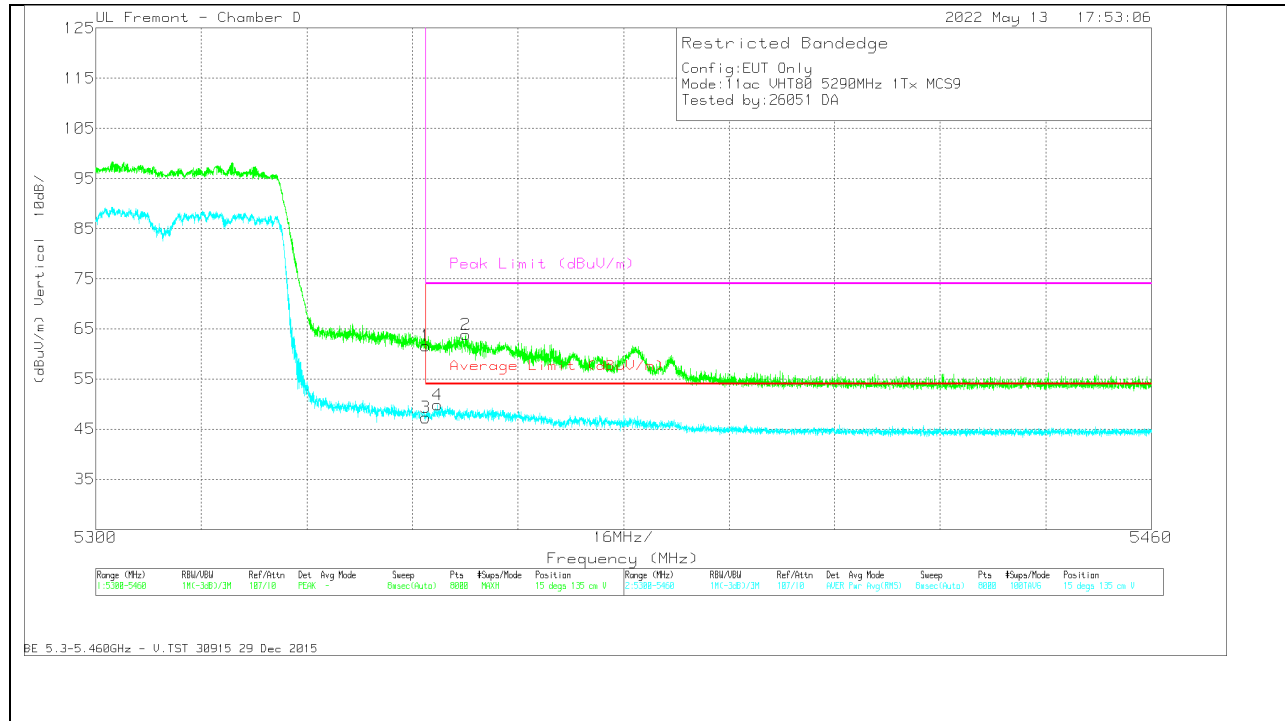


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	47.55	Pk	34.8	-18.5	0	63.85	-	-	74	-10.15	56	150	H
2	* 5355.768	48.77	Pk	34.8	-18.4	0	65.17	-	-	74	-8.83	56	150	H
3	* 5350	30.56	RMS	34.8	-18.5	1.30	48.16	54	-5.84	-	-	56	150	H
4	* 5353.908	32.96	RMS	34.8	-18.5	1.30	50.56	54	-3.44	-	-	56	150	H

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

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	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	* 5350	45.27	Pk	34.8	-18.5	0	61.57	-	-	74	-12.43	15	135	V
2	* 5356.048	47.46	Pk	34.8	-18.4	0	63.86	-	-	74	-10.14	15	135	V
3	* 5350	29.78	RMS	34.8	-18.5	1.30	47.38	54	-6.62	-	-	15	135	V
4	* 5351.828	32.29	RMS	34.8	-18.5	1.30	49.89	54	-4.11	-	-	15	135	V

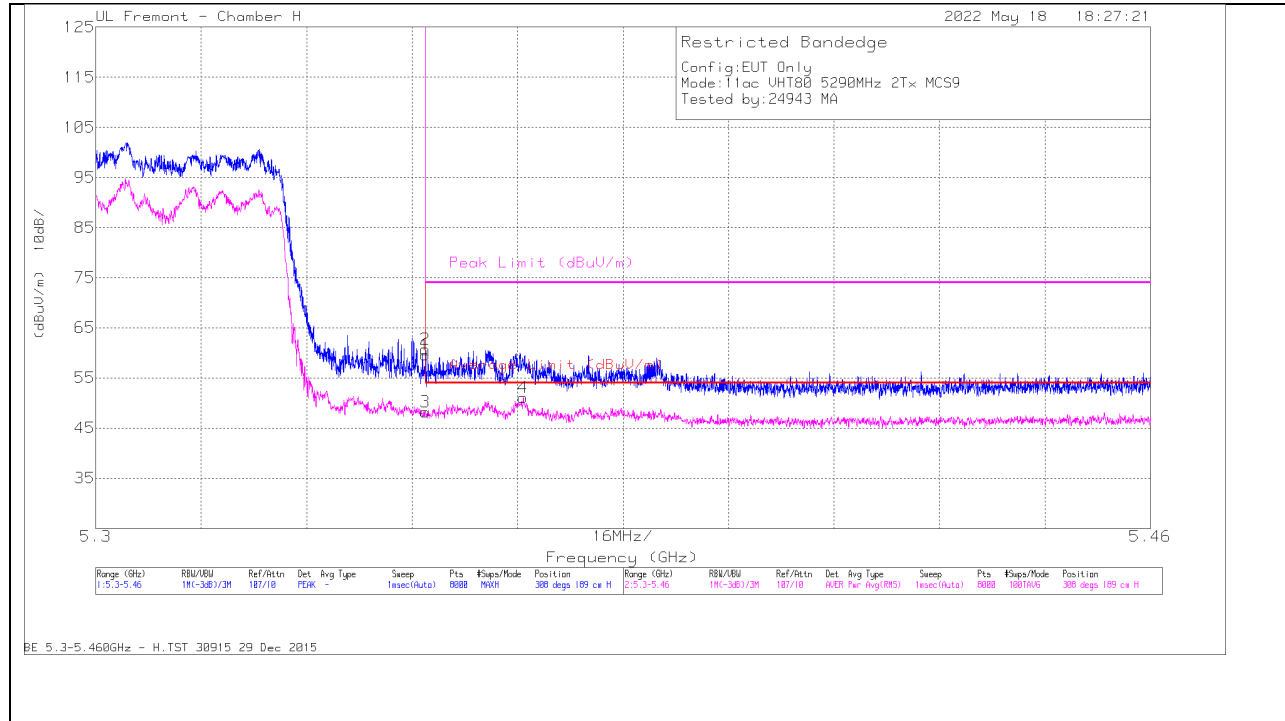
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

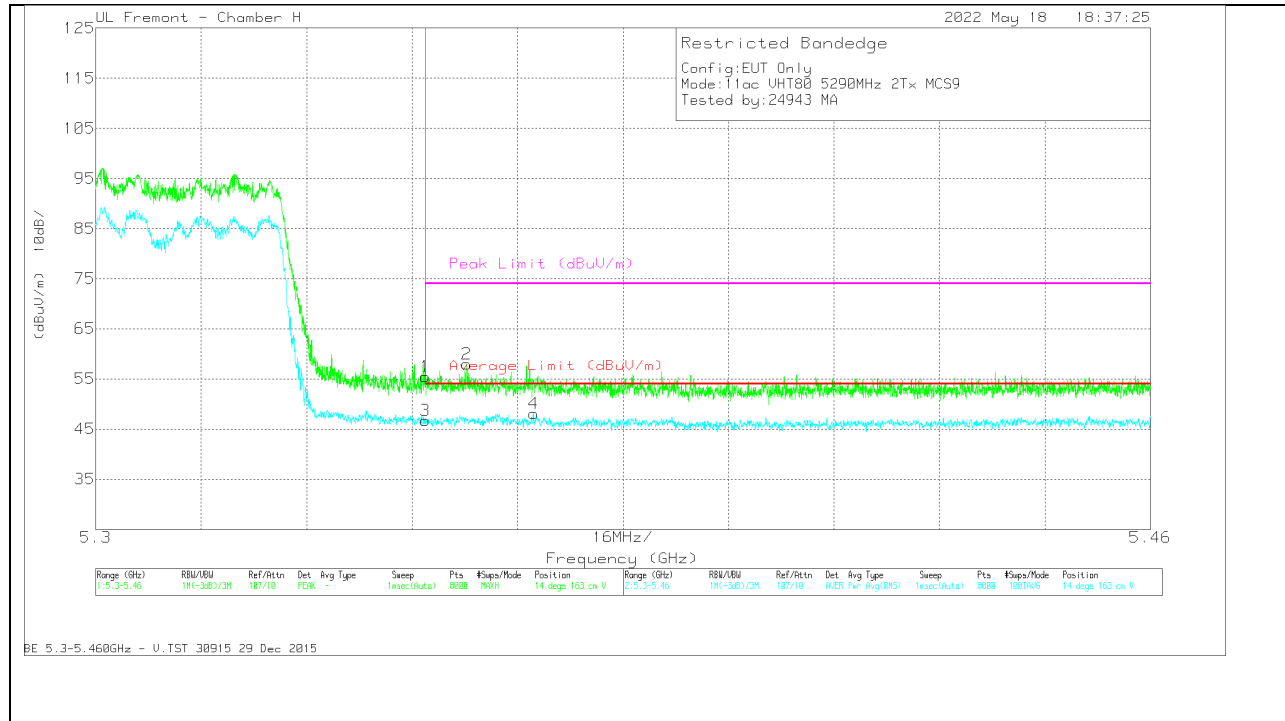


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	48.32	Pk	35	-23.7	0	59.62	-	-	74	-14.38	308	189	H
2	* 5.350028	49.37	Pk	35	-23.7	0	60.67	-	-	74	-13.33	308	189	H
3	* 5.35	35.64	RMS	35	-23.7	1.30	48.24	54	-5.76	-	-	308	189	H
4	* 5.36487	38.4	RMS	35	-23.6	1.30	51.10	54	-2.90	-	-	308	189	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



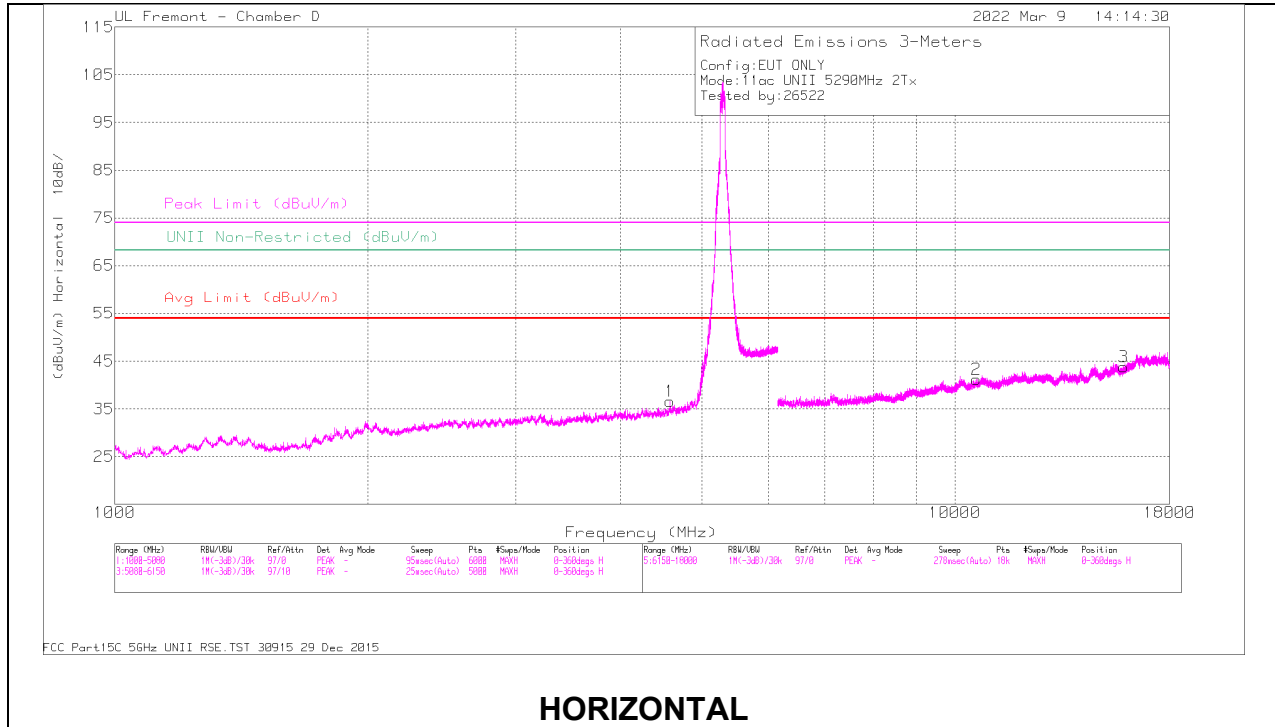
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.21	Pk	35	-23.7	0	55.51	-	-	74	-18.49	14	163	V
2	* 5.356288	46.68	Pk	35	-23.7	0	57.98	-	-	74	-16.02	14	163	V
3	* 5.35	34.19	RMS	35	-23.7	1.30	46.79	54	-7.21	-	-	14	163	V
4	* 5.36641	35.35	RMS	35	-23.5	1.30	48.15	54	-5.85	-	-	14	163	V

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

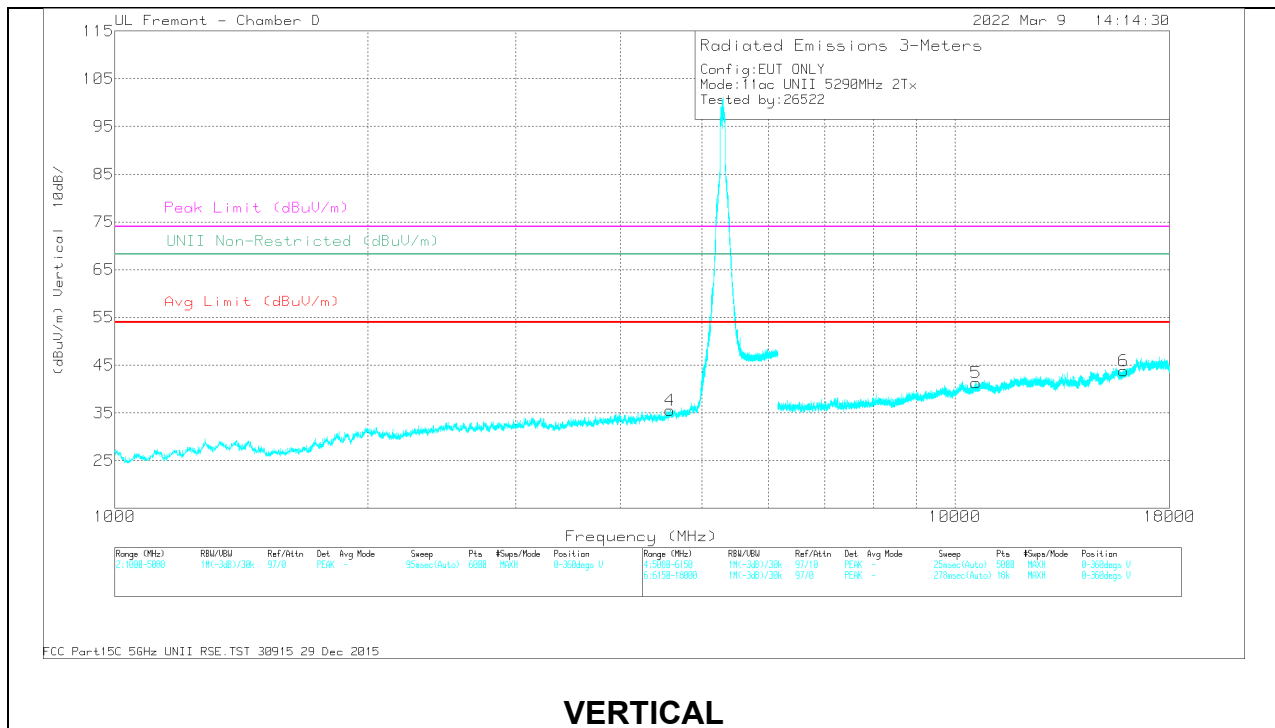
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T12 (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	* 4576.82	39.51	PK-U	33.9	-27.4	0	46.01	-	-	74	-27.99	-	-	23	359	H
	* 4577.07	27.03	ADR	33.9	-27.4	.39	33.92	54	-20.08	-	-	-	-	23	359	H
4	* 4576.13	38.71	PK-U	33.9	-27.4	0	45.21	-	-	74	-28.79	-	-	240	201	V
	* 4576.33	26.79	ADR	33.9	-27.4	.39	33.68	54	-20.32	-	-	-	-	240	201	V
2	* 11800.60	35.5	PK-U	38.6	-22.1	0	52	-	-	74	-22	-	-	264	268	H
	* 11825.32	23.47	ADR	38.7	-22.3	.39	40.26	54	-13.74	-	-	-	-	264	268	H
3	* 15884.90	35.02	PK-U	40.1	-21.8	0	53.32	-	-	74	-20.68	-	-	94	163	H
	* 15882.76	23.5	ADR	40.2	-21.8	.39	42.29	54	-11.71	-	-	-	-	94	163	H
5	* 15887.43	34.64	PK-U	40.2	-21.8	0	53.04	-	-	74	-20.96	-	-	67	254	V
	* 15887.16	23.06	ADR	40.2	-21.8	.39	41.85	54	-12.15	-	-	-	-	67	254	V
6	10594.00	34.77	PK-U	37.9	-21.8	0	50.87	-	-	-	-	68.2	-17.33	287	130	V

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

PK-U - U-NII: Maximum Peak

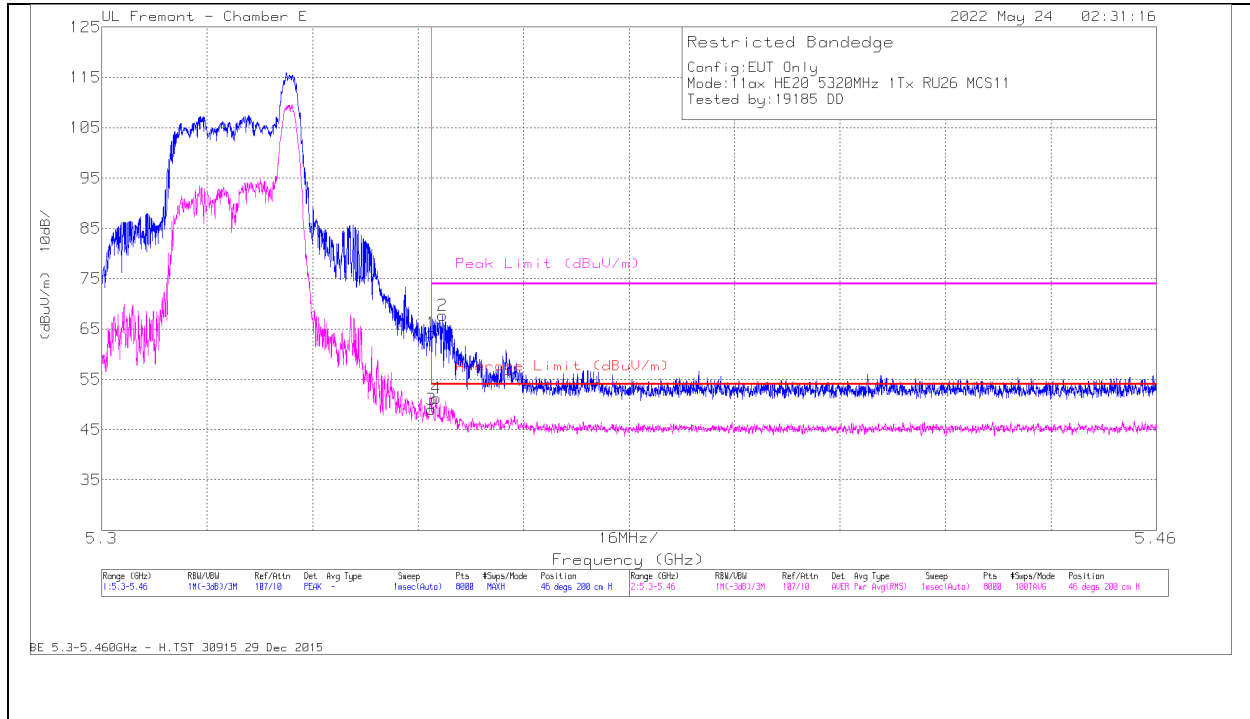
ADR - U-NII AD primary method, RMS average

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

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

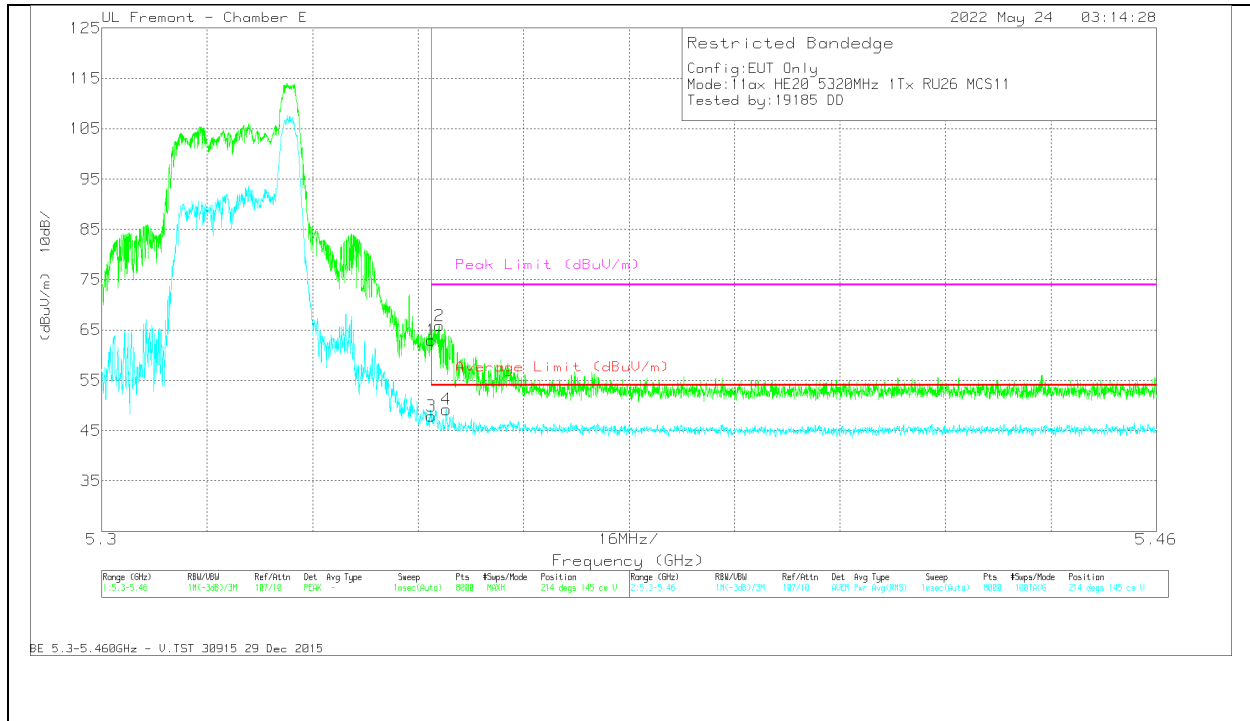


Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	200897 ACF (dBm)	Amp/Cb/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	50.66	Pk	34.5	-20.9	0	64.26	-	-	74	-9.74	46	200	H
2	* 5.351728	54.08	PK	34.5	-20.9	0	67.68	-	-	74	-6.32	46	200	H
3	* 5.35	34.93	RMS	34.5	-20.9	.46	48.99	54	-5.01	-	-	46	200	H
4	* 5.350728	37.22	RMS	34.5	-20.9	.46	51.28	54	-2.72	-	-	46	200	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	49.34	Pk	34.5	-20.9	0	62.94	-	-	74	-11.06	214	145	V
2	* 5.351188	52.29	Pk	34.5	-20.9	0	65.89	-	-	74	-8.11	214	145	V
3	* 5.35	33.84	RMS	34.5	-20.9	.46	47.90	54	-6.10	-	-	214	145	V
4	* 5.352248	35.13	RMS	34.5	-20.9	.46	49.19	54	-4.81	-	-	214	145	V

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

Pk - Peak detector
RMS - RMS detection