



TEST REPORT

Report Number: 14523778-E6V2 & E7V2

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

Model : A2847(Parent Model)
A3093, A3094, A3096 (Variant Model)

FCC ID : BCG-E8431A (Parent Model)
BCG-E8432A, BCG-E8433A, BCG-E8434A (Variant Model)

IC : 579C-E8431A (Parent Model)
579C-E8432A, 579C-E8433A, 579C-E8434A (Variant Model)

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

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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

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						
802.11n HT20 MCS0	1.908	1.931	0.988	98.81%	0.00	0.010
802.11n HT20 MCS7	0.227	0.249	0.914	91.36%	0.39	4.398
802.11n HT40 MCS0	2.412	2.444	0.987	98.69%	0.00	0.010
802.11n HT40 MCS7	0.127	0.148	0.856	85.58%	0.68	7.874
802.11ac VHT80 MCS0	1.143	1.168	0.979	97.86%	0.09	0.875
802.11ac VHT80 MCS9	0.208	0.231	0.901	90.13%	0.45	4.804
802.11ax HE20 RU26, MCS0	3.998	4.032	0.992	99.16%	0.00	0.010
802.11ax HE20 RU26, MCS11	0.292	0.326	0.898	89.83%	0.47	3.420
802.11ax HE20 RU106, MCS0	3.494	3.539	0.987	98.73%	0.00	0.010
802.11ax HE20 RU106 MCS11	0.264	0.288	0.917	91.71%	0.38	3.784
802.11ax HE40 RU26, MCS0	3.990	4.045	0.986	98.64%	0.00	0.010
802.11ax HE40 RU26, MCS11	0.292	0.325	0.899	89.93%	0.46	3.423
802.11ax HE40 RU106, MCS0	3.521	3.553	0.991	99.10%	0.00	0.010
802.11ax HE40 RU106, MCS11	0.264	0.296	0.891	89.13%	0.50	3.786
802.11ax HE80 RU26, MCS0	3.995	4.027	0.992	99.21%	0.00	0.010
802.11ax HE80 RU26, MCS11	0.264	0.297	0.887	88.66%	0.52	3.794
802.11ax HE80 RU106, MCS0	3.518	3.550	0.991	99.10%	0.00	0.010
802.11ax HE80 RU106 MCS11	0.264	0.297	0.887	88.66%	0.52	3.794

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	1.488	1.513	0.984	98.37%	0.00	0.010
802.11ax HE20 SU, MCS11	0.145	0.166	0.877	87.70%	0.57	6.878
802.11ax HE40 SU, MCS0	0.771	0.794	0.971	97.10%	0.13	1.297
802.11ax HE40 SU, MCS11	0.102	0.122	0.831	83.14%	0.80	9.852
802.11ax HE80 SU, MCS0	0.734	0.760	0.967	96.68%	0.15	1.362
802.11ax HE80 SU, MCS11	0.082	0.105	0.783	78.26%	1.06	12.191

2. 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 (μ V/m) at 3 m	Field Strength Limit (dB μ V/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

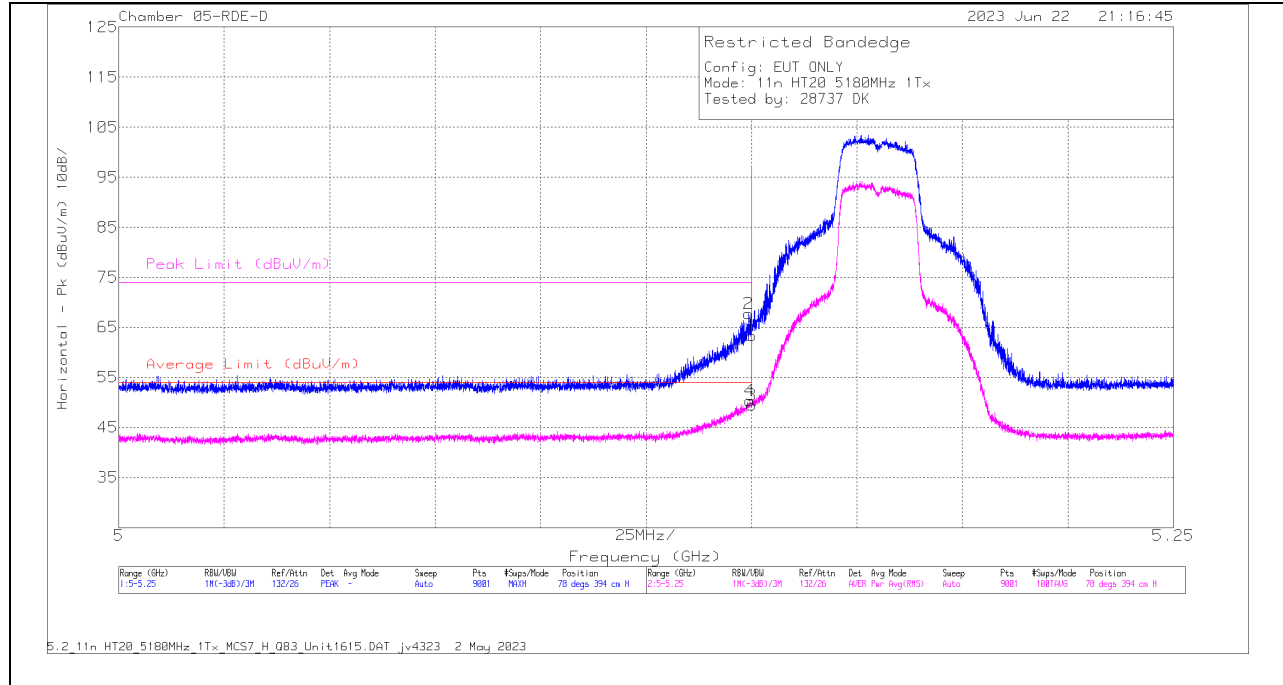
2.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

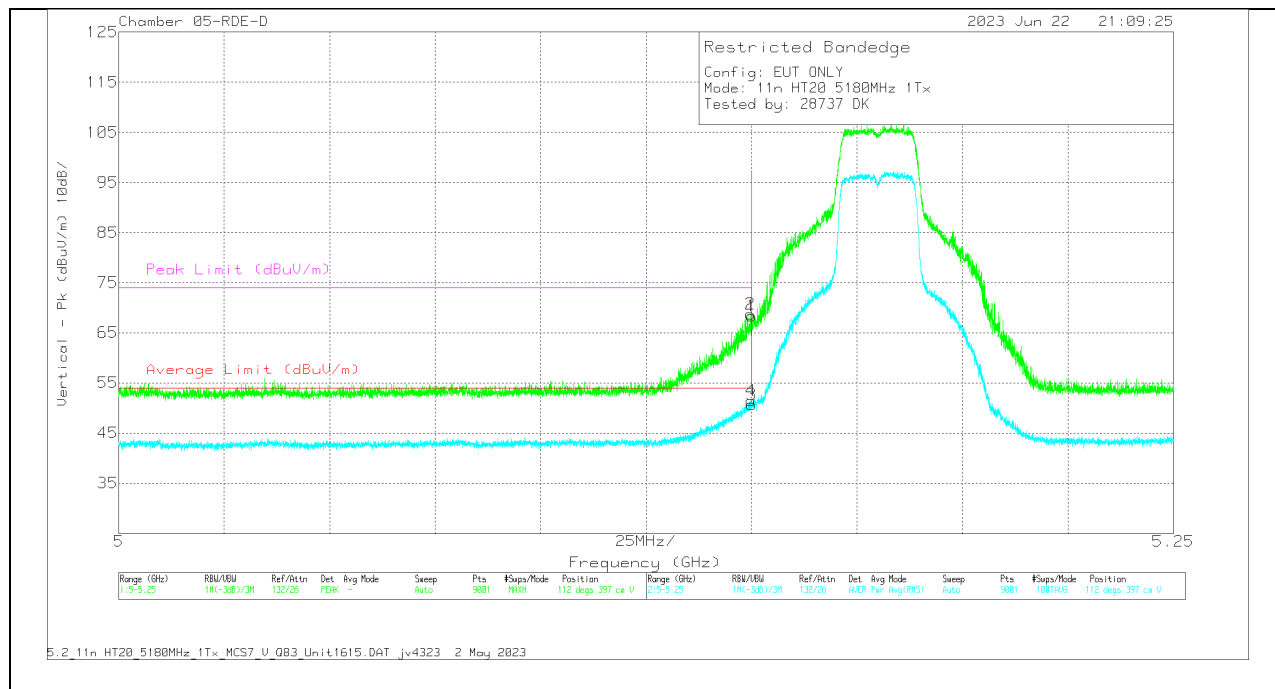
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	67.29	Pk	34.5	0	-38.49	63.3	-	-	74	-10.7	78	394	H
2	5.149279	71.73	Pk	34.5	0	-38.51	67.72	-	-	74	-6.28	78	394	H
3	5.15	53.06	RMS	34.5	.39	-38.49	49.46	54	-4.54	-	-	78	394	H
4	5.149529	53.99	RMS	34.5	.39	-38.5	50.38	54	-3.62	-	-	78	394	H

Pk - Peak detector

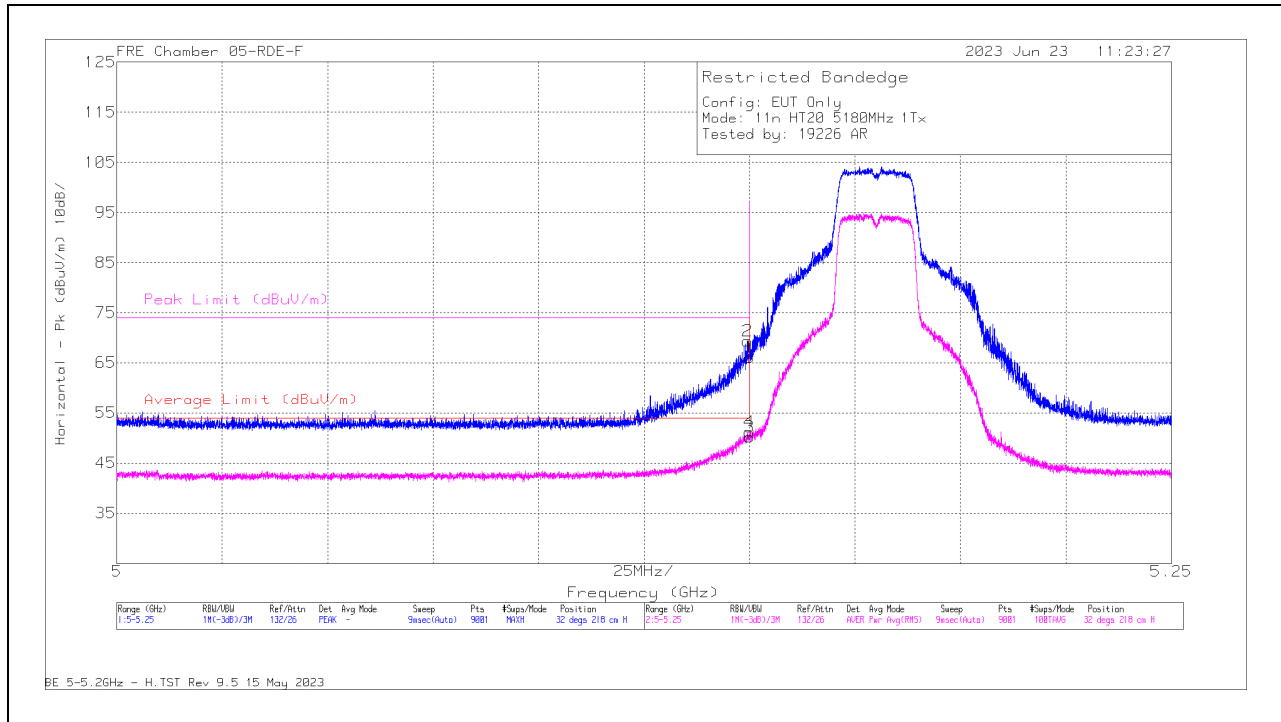
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	72.32	Pk	34.5	0	-38.49	68.33	-	-	74	-5.67	112	397	V
2	5.149696	72.74	Pk	34.5	0	-38.5	68.74	-	-	74	-5.26	112	397	V
3	5.15	54.32	RMS	34.5	.39	-38.49	50.72	54	-3.28	-	-	112	397	V
4	5.149862	55.03	RMS	34.5	.39	-38.49	51.43	54	-2.57	-	-	112	397	V

Pk - Peak detector

RMS - RMS detection

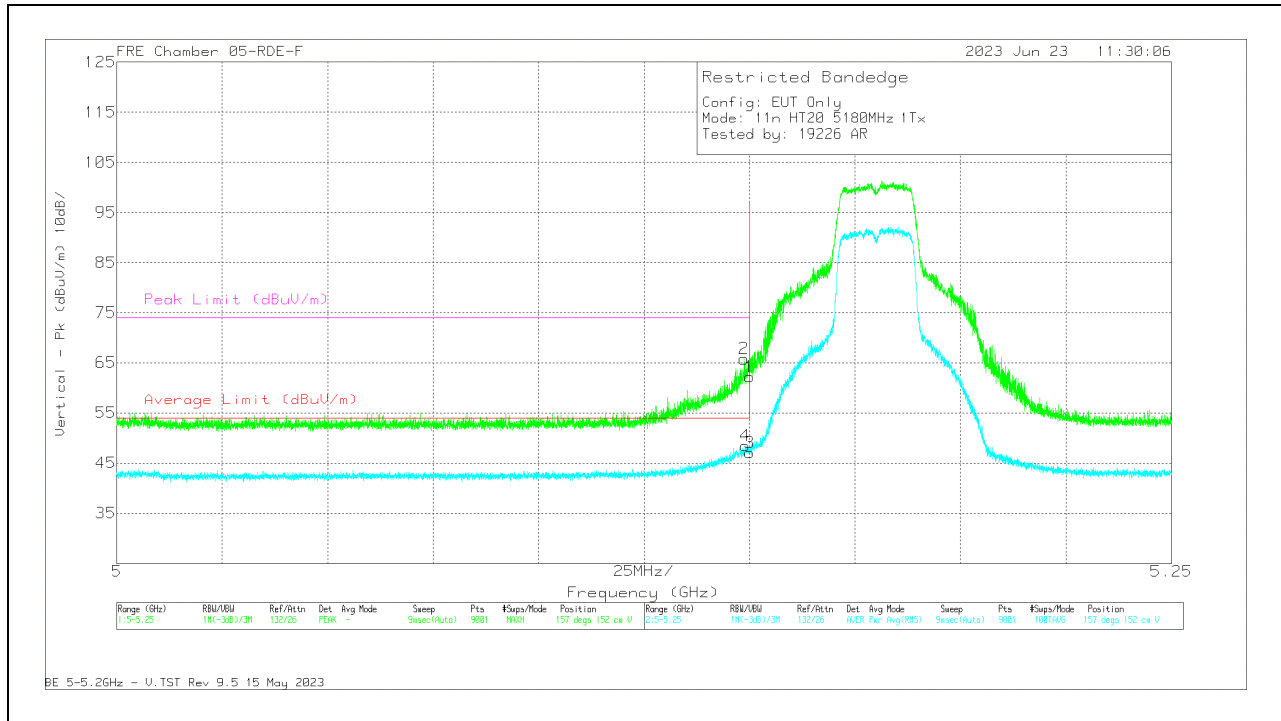
1TX Antenna 5 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	70.92	PK	34.1	0	-38.94	66.08	-	-	74	-7.92	32	218	H
2	* 5.149501	74.24	PK	34.1	0	-38.93	69.41	-	-	74	-4.59	32	218	H
3	* 5.15	54.72	RMS	34.1	.39	-38.94	50.27	54	-3.73	-	-	32	218	H
4	* 5.149946	55.67	RMS	34.1	.39	-38.94	51.22	54	-2.78	-	-	32	218	H

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

Pk - Peak detector

RMS - RMS detection

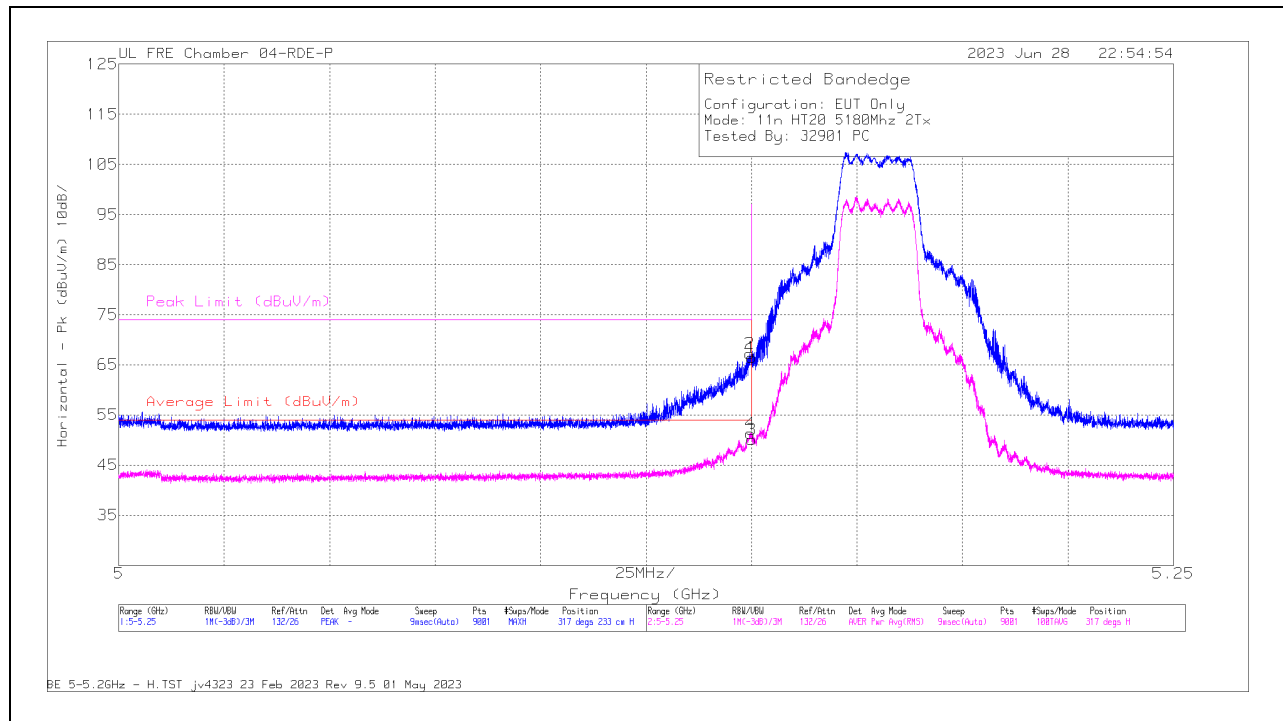
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	67.07	Pk	34.1	0	-38.94	62.23	-	-	74	-11.77	157	152	V
2	* 5.148751	70.6	Pk	34.1	0	-38.9	65.8	-	-	74	-8.2	157	152	V
3	* 5.15	51.54	RMS	34.1	.39	-38.94	47.09	54	-6.91	-	-	157	152	V
4	* 5.149029	52.94	RMS	34.1	.39	-38.91	48.52	54	-5.48	-	-	157	152	V

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

Pk - Peak detector

RMS - RMS detection

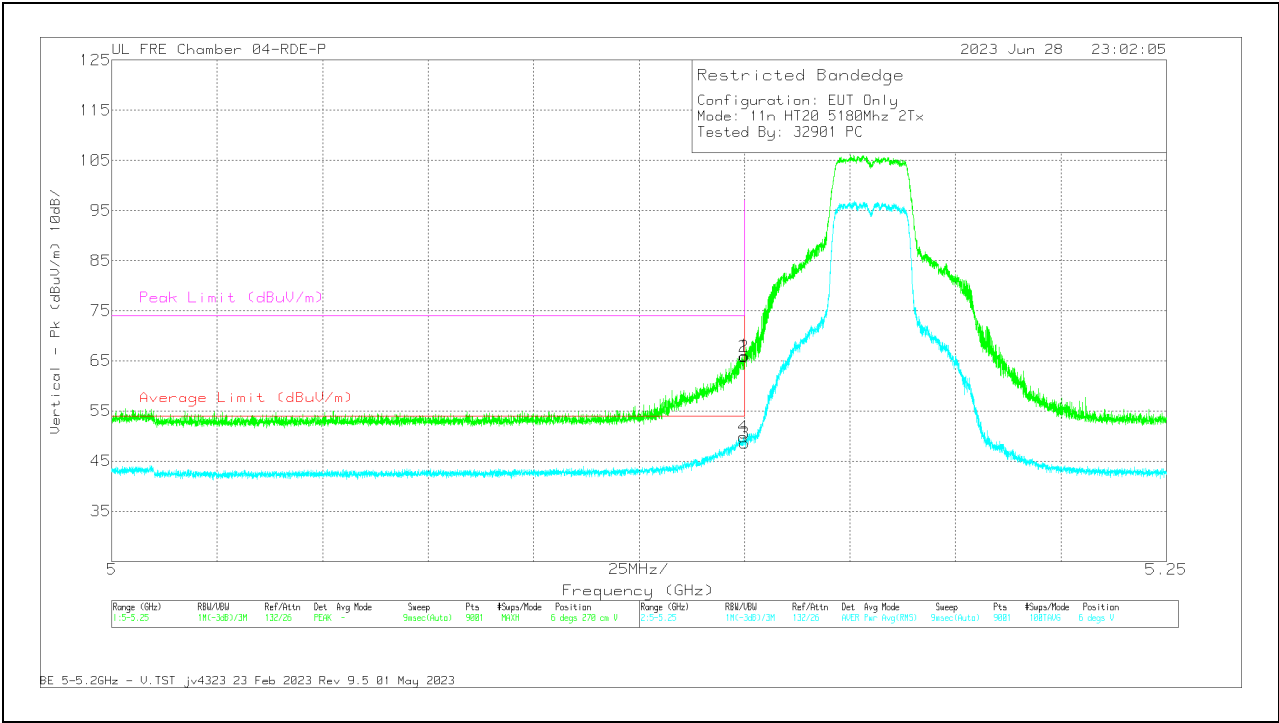
2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	70.85	Pk	34.1	0	-38.51	66.44	-	-	74	-7.56	317	233	H
2	5.149612	71.67	Pk	34.1	0	-38.52	67.25	-	-	74	-6.75	317	233	H
3	5.15	54.13	RMS	34.1	.39	-38.51	50.11	54	-3.89	-	-	317	233	H
4	5.149751	55.41	RMS	34.1	.39	-38.51	51.39	54	-2.61	-	-	317	233	H

Pk - Peak detector

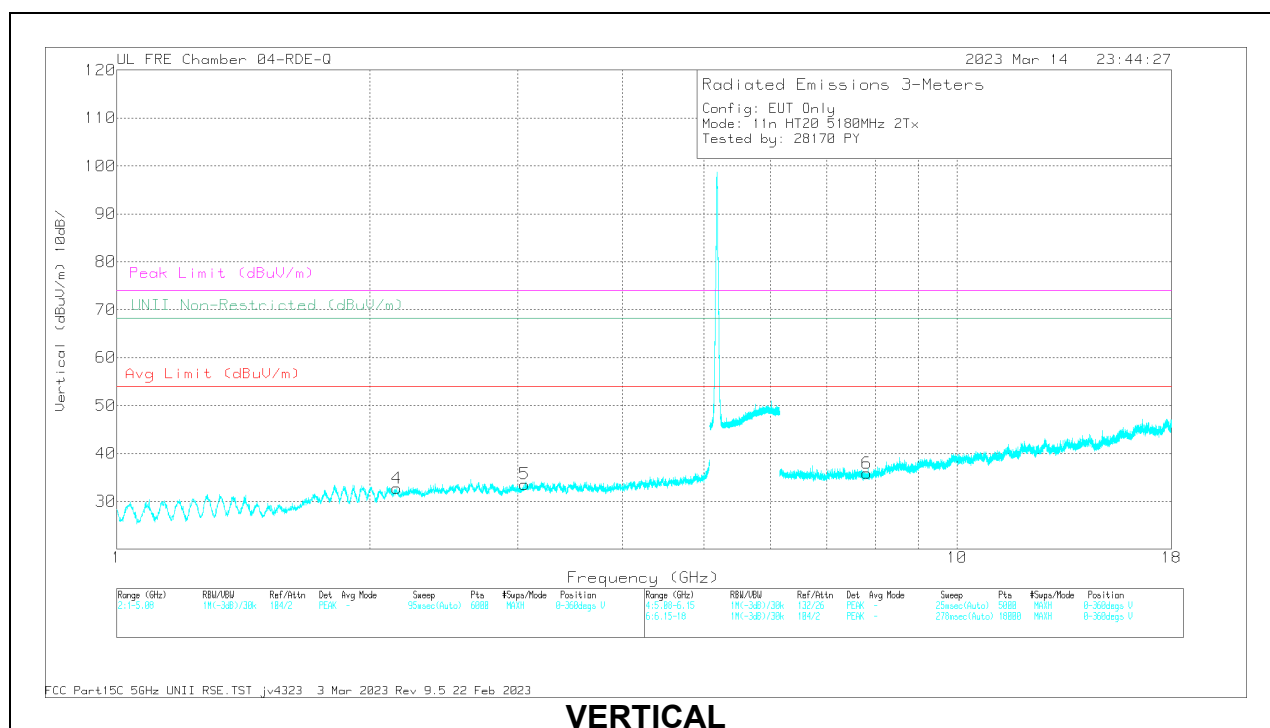
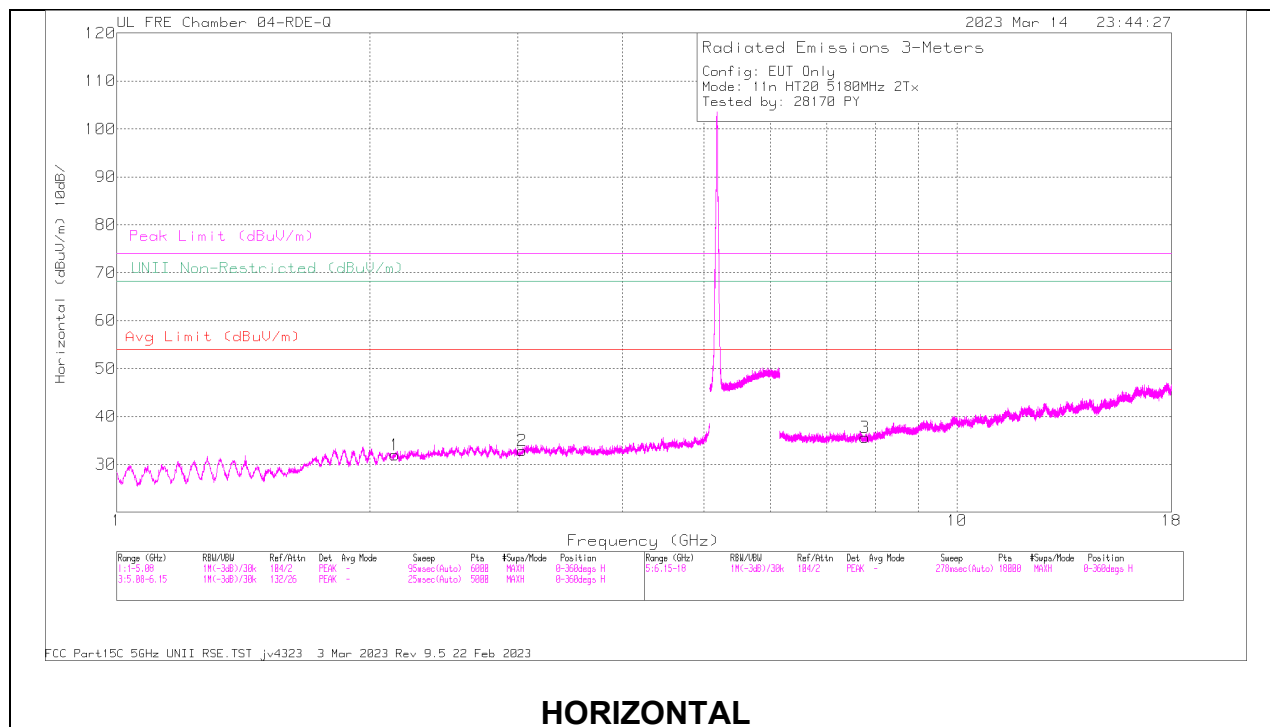
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	70.45	Pk	34.1	0	-38.51	66.04	-	-	74	-7.96	6	270	V
2	5.149862	70.3	Pk	34.1	0	-38.51	65.89	-	-	74	-8.11	6	270	V
3	5.15	52.65	RMS	34.1	.39	-38.51	48.63	54	-5.37	-	-	6	270	V
4	5.149779	53.84	RMS	34.1	.39	-38.51	49.82	54	-4.18	-	-	6	270	V

Pk - Peak detector
RMS - RMS detection

2.1.2. 5.2GHz, HT20 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

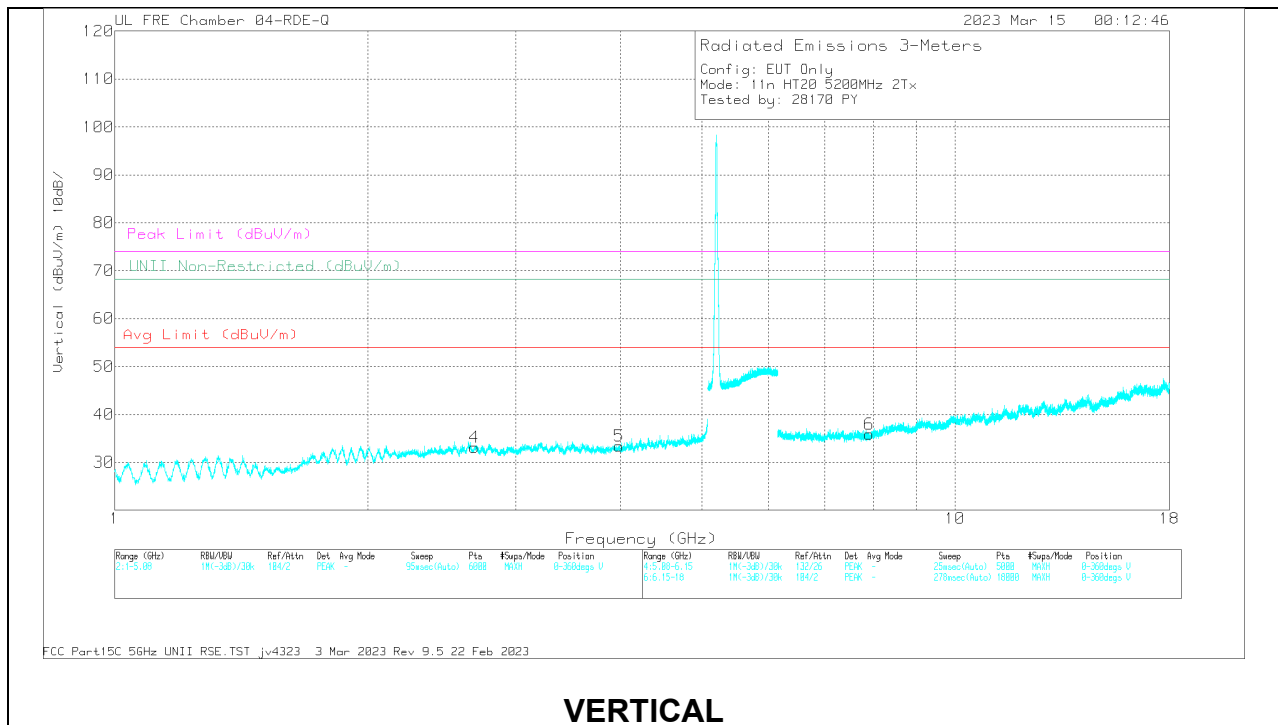
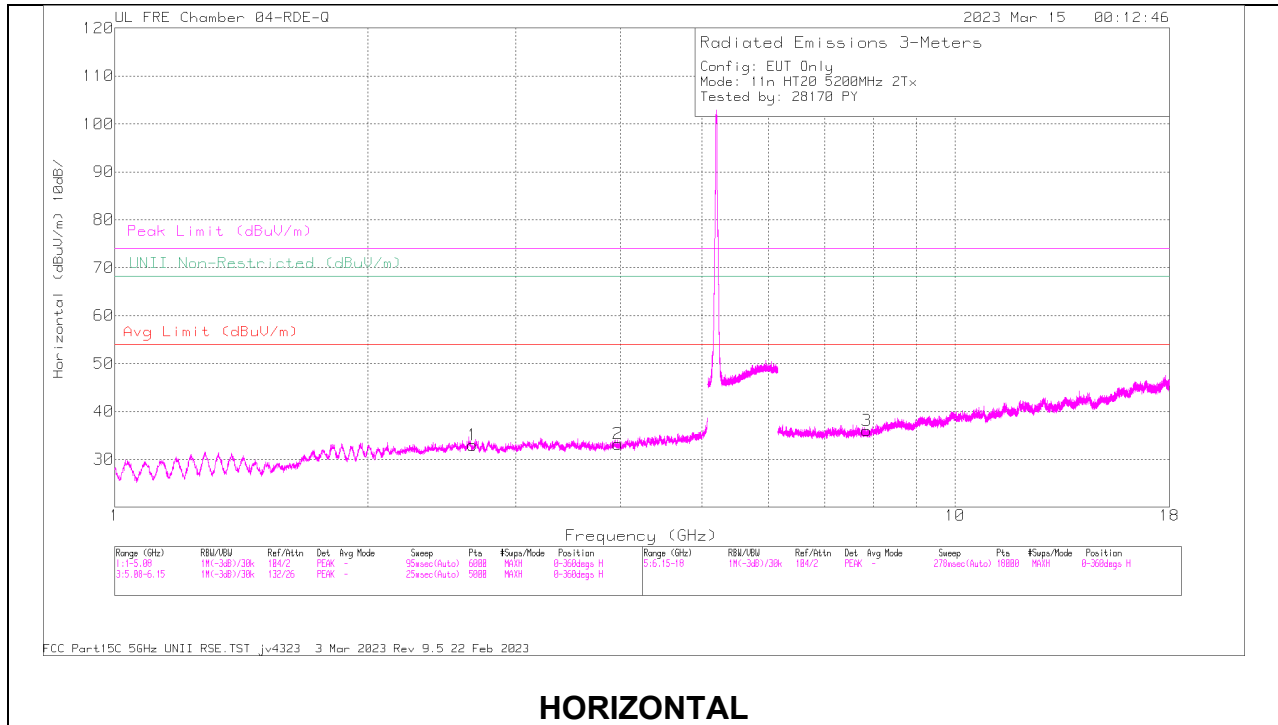
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.143932	58.72	PK-U	31.2	-47.5	42.42	68.2	-25.78	360	100	H
4	2.155425	59.36	PK-U	31.2	-47.43	43.13	68.2	-25.07	360	201	V
2	3.037222	56.82	PK-U	32.6	-46.59	42.83	68.2	-25.37	360	100	H
5	3.060482	57.93	PK-U	32.7	-46.67	43.96	68.2	-24.24	360	200	V
3	7.766005	55.54	PK-U	35.6	-44.58	46.56	68.2	-21.64	360	100	H
6	7.810409	55.72	PK-U	35.6	-44.35	46.97	68.2	-21.23	360	100	H

* - 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

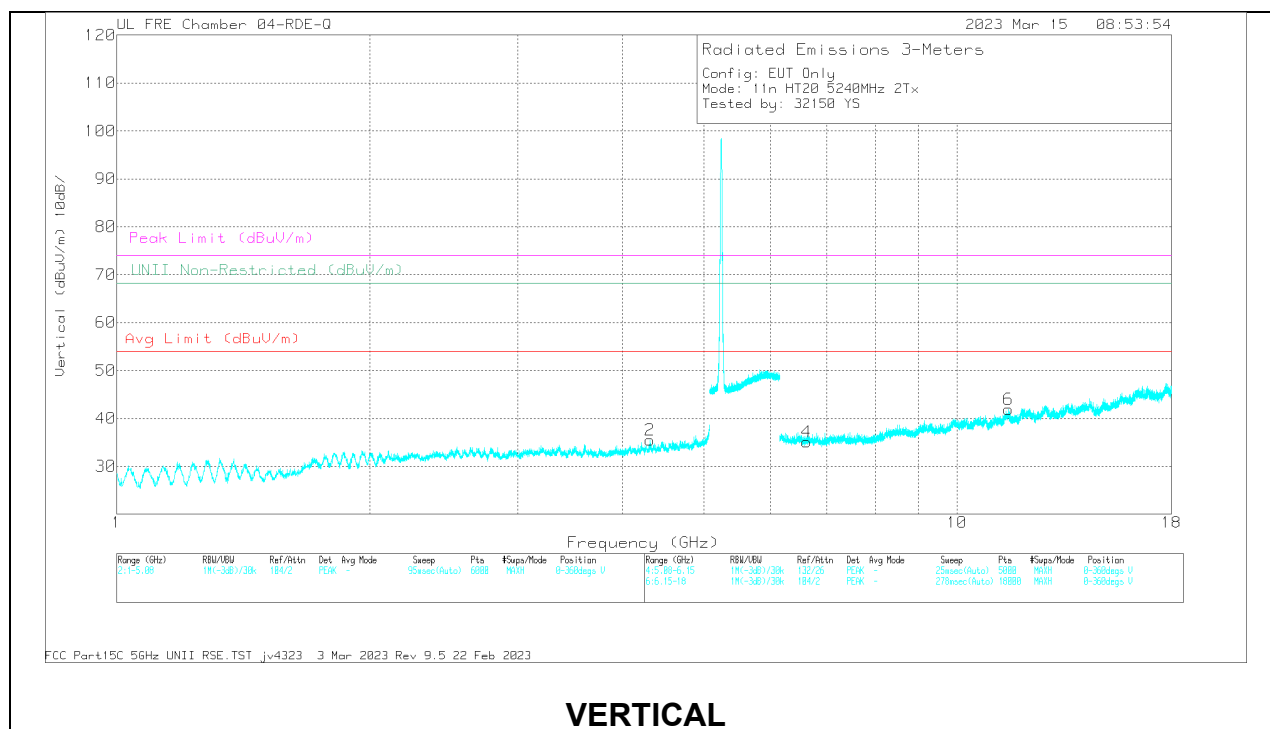
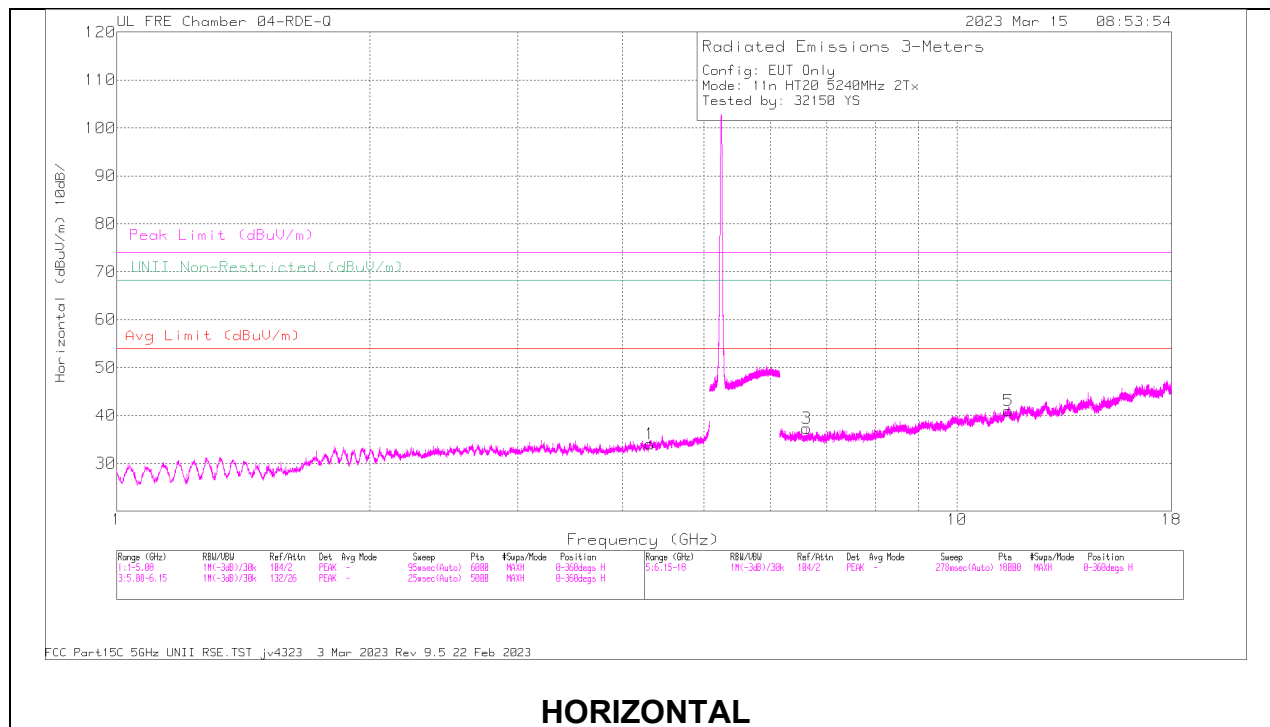
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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	* 2.666583	57.51	PK-U	32.4	-47.03	42.88	-	-	74	-31.12			360	100	H
	* 2.668469	45.88	ADR	32.5	-47.11	31.27	54	-22.73	-	-			360	100	H
2	* 3.969579	56.88	PK-U	33.2	-46.25	43.83	-	-	74	-30.17			360	100	H
	* 3.971715	45.09	ADR	33.2	-46.23	32.06	54	-21.94	-	-			360	100	H
4	* 2.679635	57.93	PK-U	32.5	-47.12	43.31	-	-	74	-30.69			360	201	V
	* 2.679136	46.23	ADR	32.5	-47.14	31.59	54	-22.41	-	-			360	201	V
5	* 3.985592	56.37	PK-U	33.3	-46.1	43.57	-	-	74	-30.43			360	200	V
	* 3.984832	44.92	ADR	33.3	-46.11	32.11	54	-21.89	-	-			360	200	V
3	7.848836	55.3	PK-U	35.6	-44.62	46.28					68.2	-21.92	360	100	H
6	7.911001	54.94	PK-U	35.6	-44.37	46.17					68.2	-22.03	360	201	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

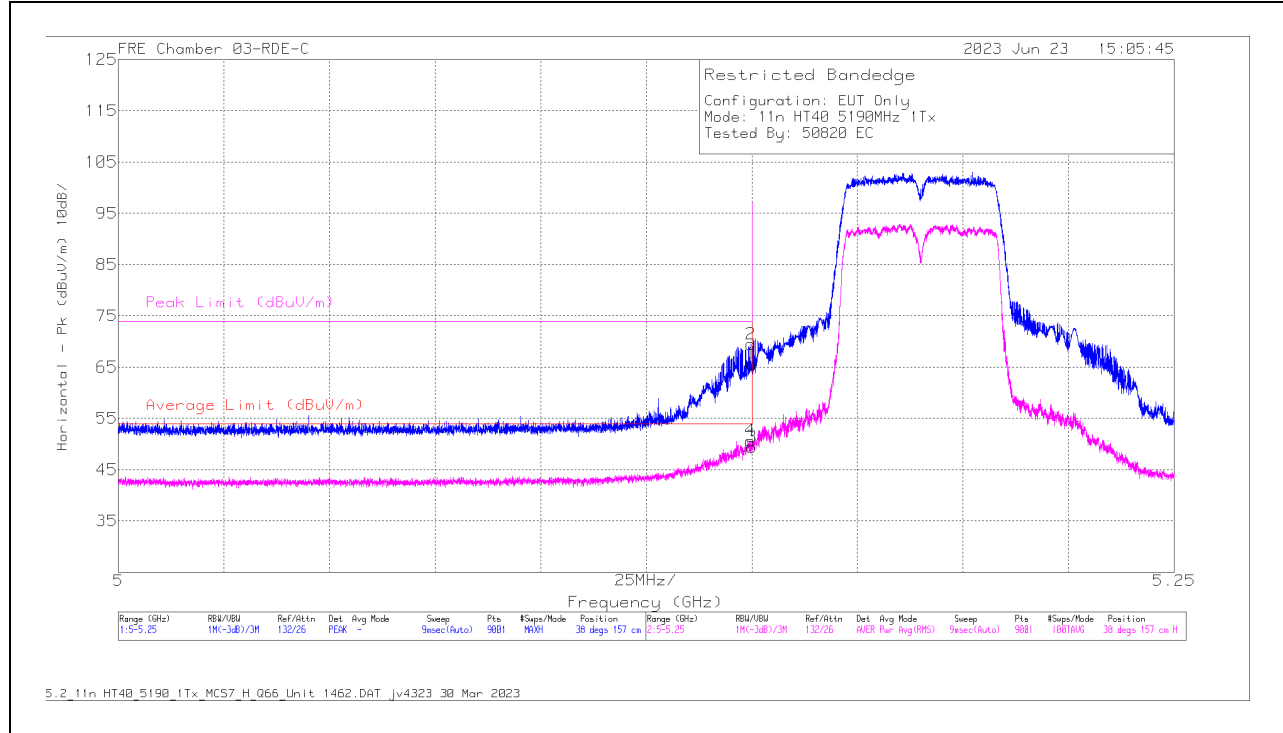
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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	* 4.307085	57.18	PK-U	33.7	-46.08	44.8	-	-	74	-29.2	-	-	163	205	H
1	* 4.310397	45.46	ADR	33.7	-46.18	32.98	54	-21.02	-	-	-	-	163	205	H
2	* 4.307821	57.5	PK-U	33.7	-46.12	45.08	-	-	74	-28.92	-	-	222	162	V
2	* 4.308491	45.53	ADR	33.7	-46.17	33.06	54	-20.94	-	-	-	-	222	162	V
5	* 11.511314	55.58	PK-U	38.4	-43.34	50.64	-	-	74	-23.36	-	-	344	155	H
5	* 11.509975	44.04	ADR	38.4	-43.32	39.12	54	-14.88	-	-	-	-	344	155	H
6	* 11.511156	55.66	PK-U	38.4	-43.36	50.7	-	-	74	-23.3	-	-	257	219	V
6	* 11.50863	44.17	ADR	38.4	-43.36	39.21	54	-14.79	-	-	-	-	257	219	V
4	6.625368	55.1	PK-U	35.5	-44.81	45.79	-	-	-	-	68.2	-22.41	293	260	V
3	6.625694	55.8	PK-U	35.5	-44.79	46.51	-	-	-	-	68.2	-21.69	174	126	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

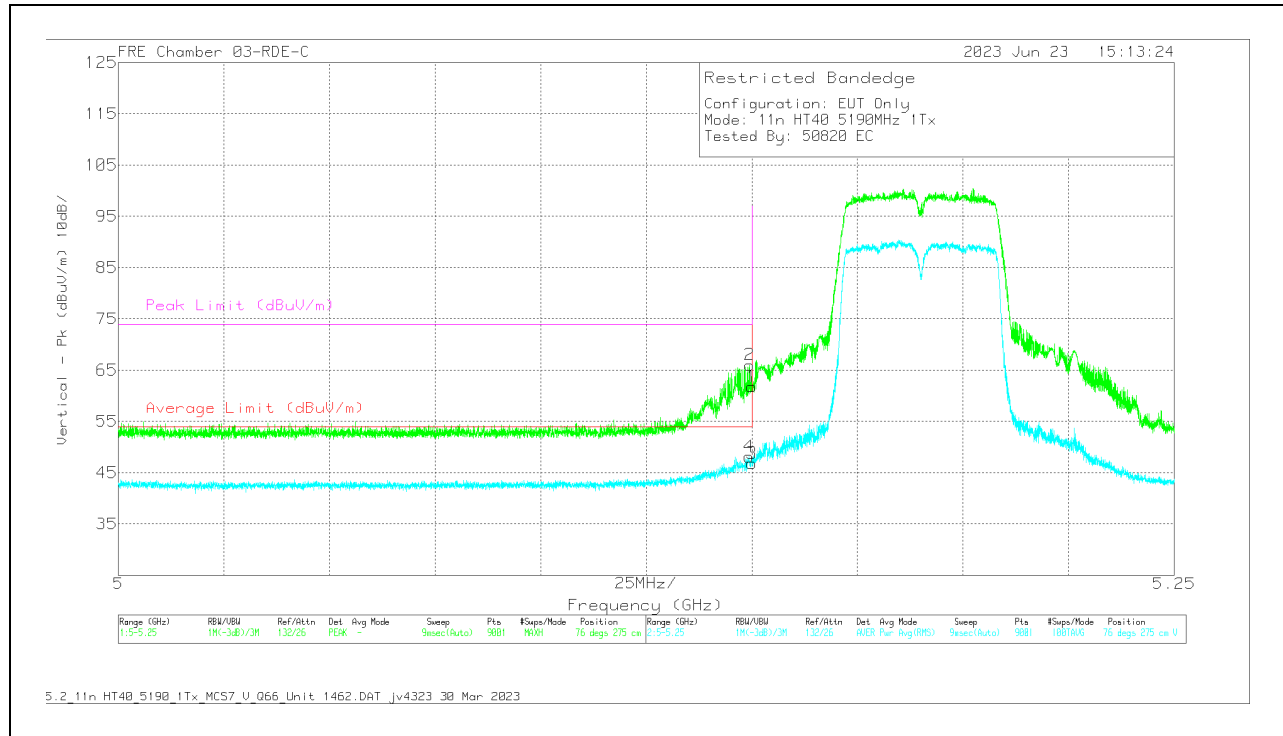
2.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND**1TX Antenna 6 MODE****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	69.61	Pk	34.4	0	-38.4	65.61	-	-	74	-8.39	38	157	H
2	* 5.149807	73.49	Pk	34.4	0	-38.42	69.47	-	-	74	-4.53	38	157	H
3	* 5.15	53.16	RMS	34.4	.68	-38.4	49.84	54	-4.16	-	-	38	157	H
4	* 5.149585	54.41	RMS	34.4	.68	-38.44	51.05	54	-2.95	-	-	38	157	H

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

Pk - Peak detector

RMS - RMS detection

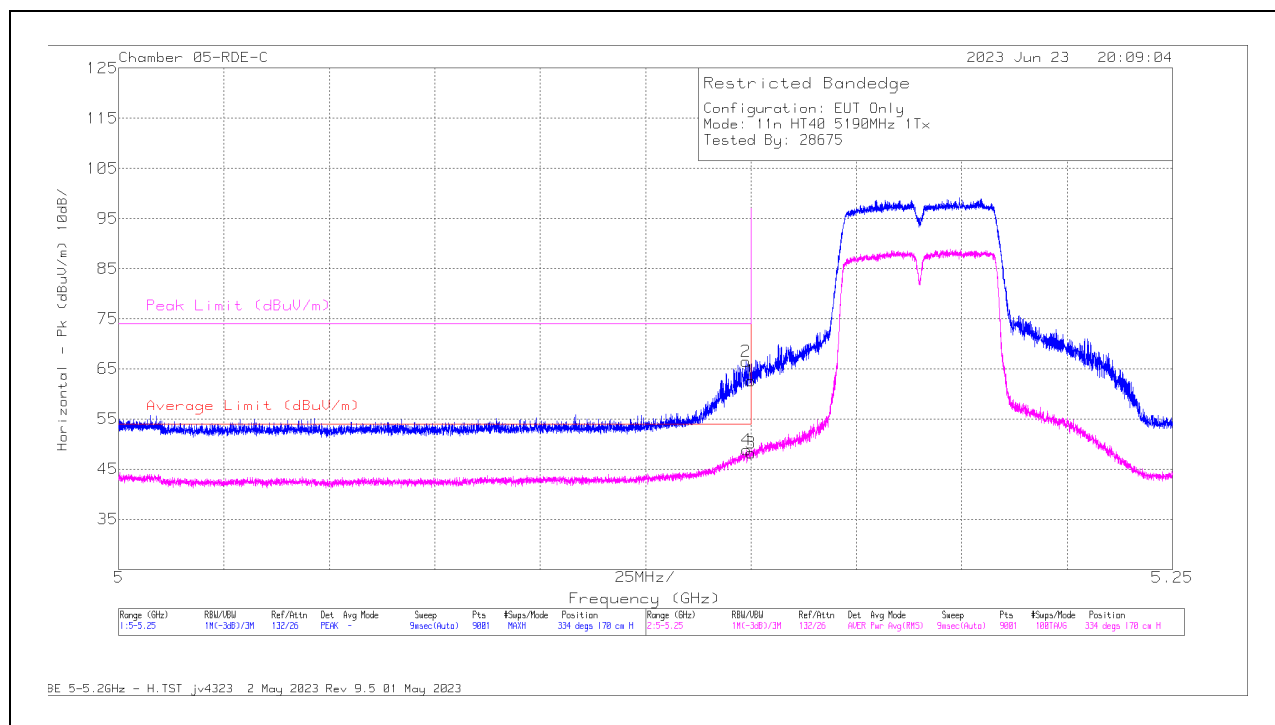
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	65.76	Pk	34.4	0	-38.4	61.76	-	-	74	-12.24	76	275	V
2	* 5.149473	70.07	Pk	34.4	0	-38.45	66.02	-	-	74	-7.98	76	275	V
3	* 5.15	50.53	RMS	34.4	.68	-38.4	47.21	54	-6.79	-	-	76	275	V
4	* 5.149362	51.9	RMS	34.4	.68	-38.46	48.52	54	-5.48	-	-	76	275	V

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

Pk - Peak detector

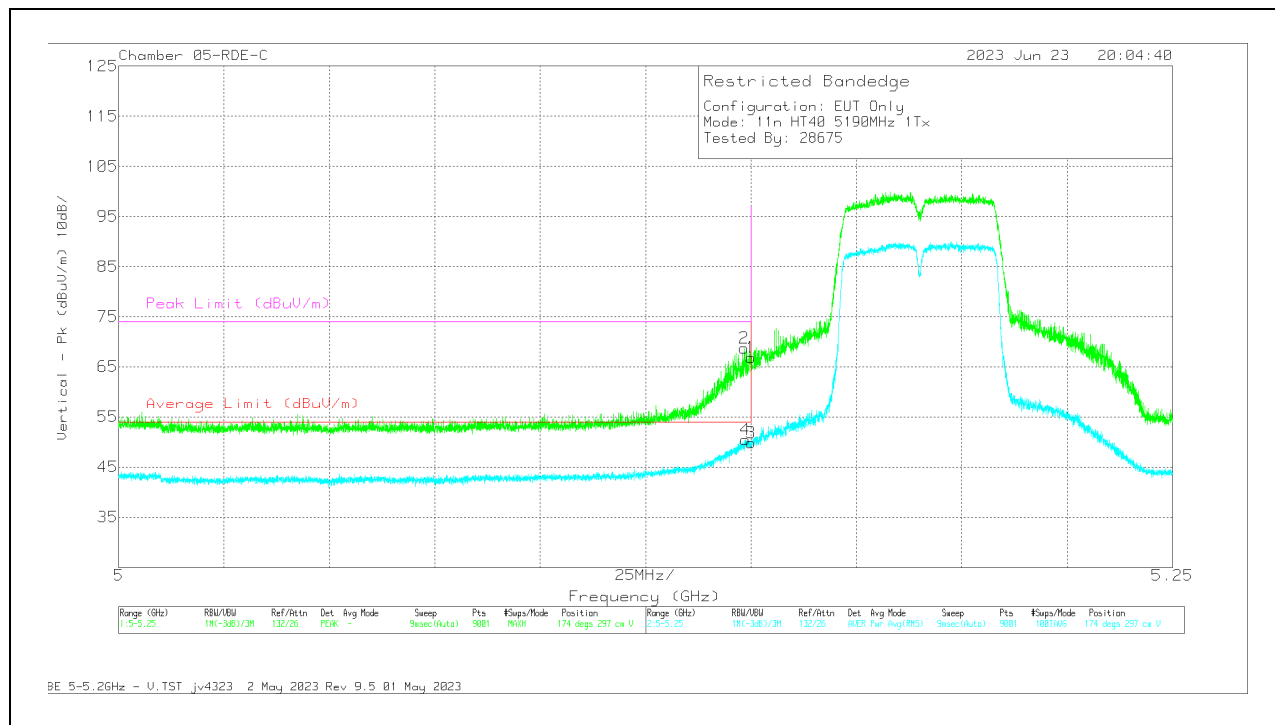
RMS - RMS detection

1TX Antenna 5 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	67.9	Pk	34.2	0	-39.52	62.58	-	-	74	-11.42	334	170	H
2	5.148779	71.75	Pk	34.2	0	-39.51	66.44	-	-	74	-7.56	334	170	H
3	5.15	53.28	RMS	34.2	.68	-39.52	48.64	54	-5.36	-	-	334	170	H
4	5.148946	53.93	RMS	34.2	.68	-39.52	49.57	54	-4.43	-	-	334	170	H

Pk - Peak detector

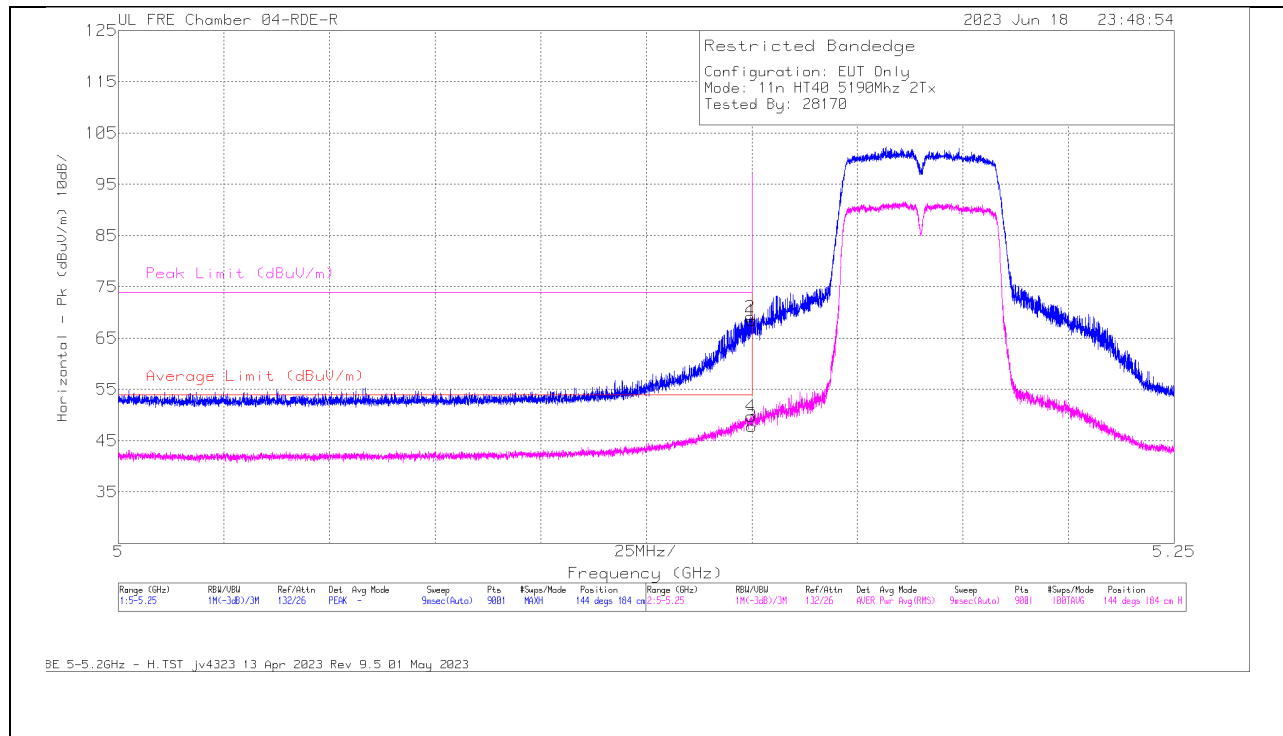
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	72.21	Pk	34.2	0	-39.52	66.89	-	-	74	-7.11	174	297	V
2	5.148418	74.07	Pk	34.2	0	-39.5	68.77	-	-	74	-5.23	174	297	V
3	5.15	54.87	RMS	34.2	.68	-39.52	49.83	54	-4.17	-	-	174	297	V
4	5.148668	55.54	RMS	34.2	.68	-39.51	50.91	54	-3.09	-	-	174	297	V

Pk - Peak detector

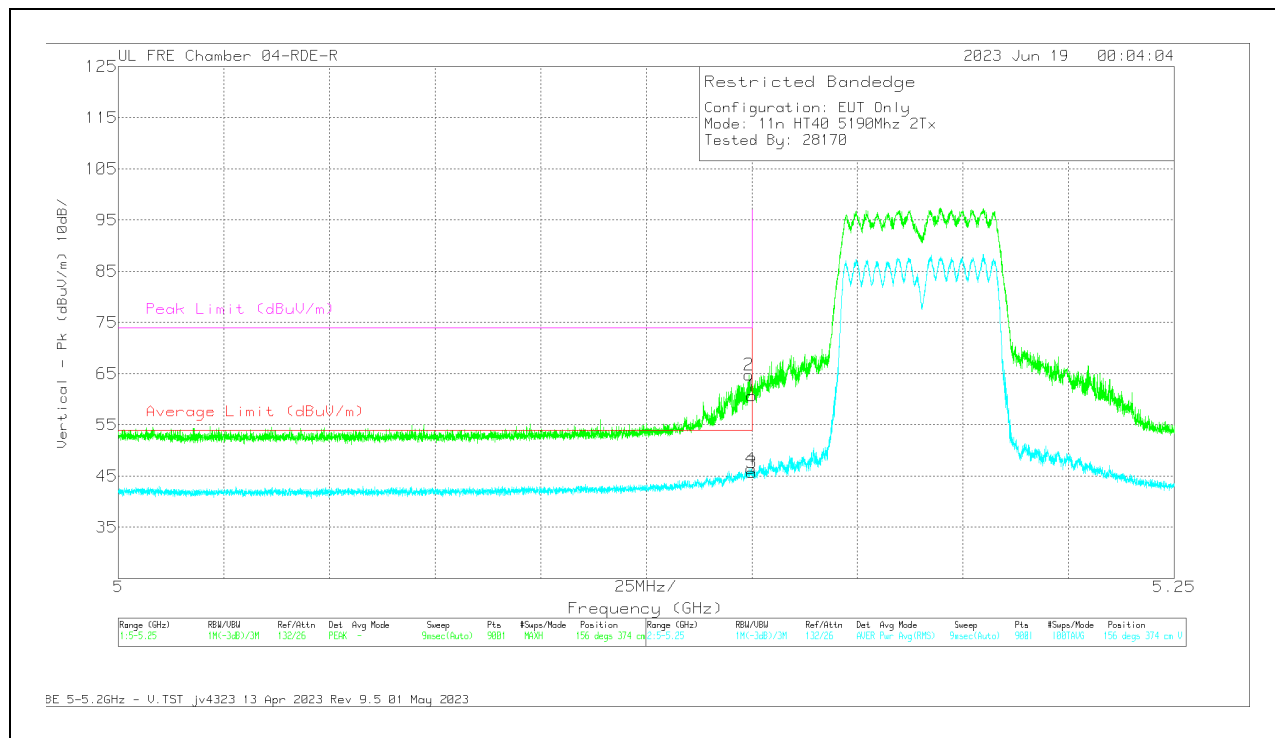
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	72.87	Pk	34.1	0	-38.58	68.39	-	-	74	-5.61	144	184	H
2	5.149668	73.62	Pk	34.1	0	-38.58	69.14	-	-	74	-4.86	144	184	H
3	5.15	52.3	RMS	34.1	0.68	-38.58	48.50	54	-5.50	-	-	144	184	H
4	5.149807	54.22	RMS	34.1	0.68	-38.58	50.42	54	-3.58	-	-	144	184	H

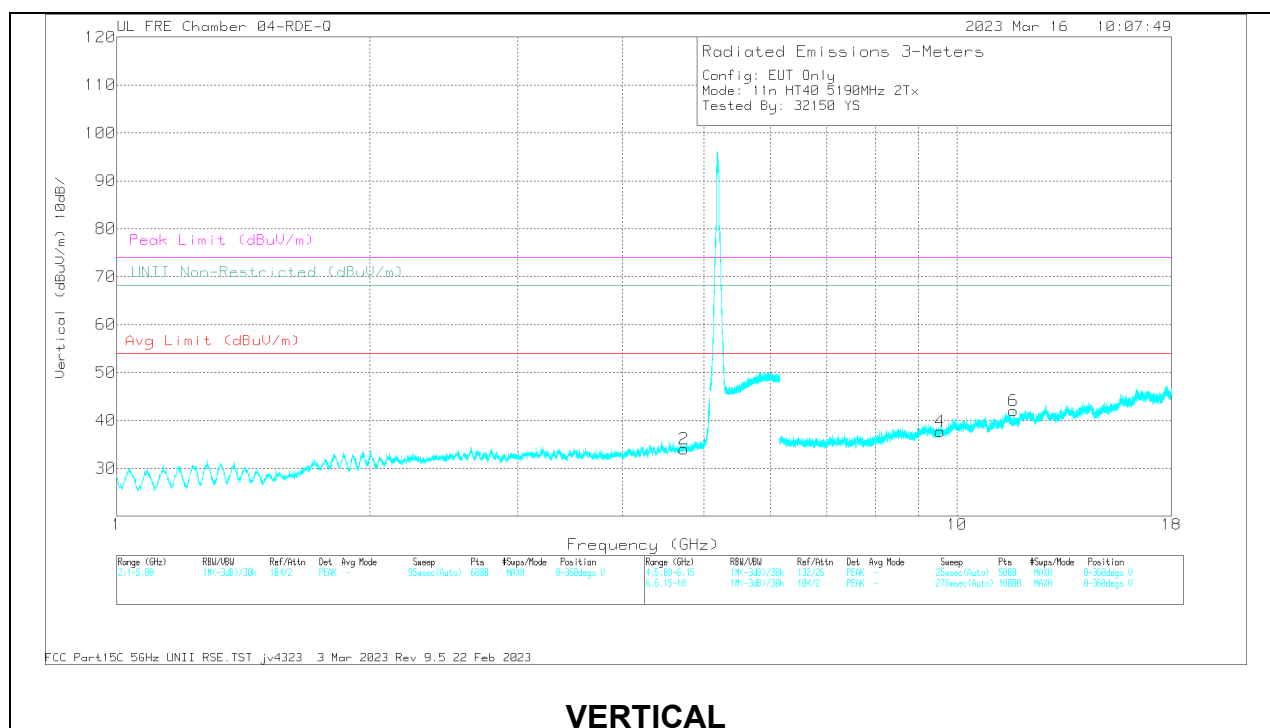
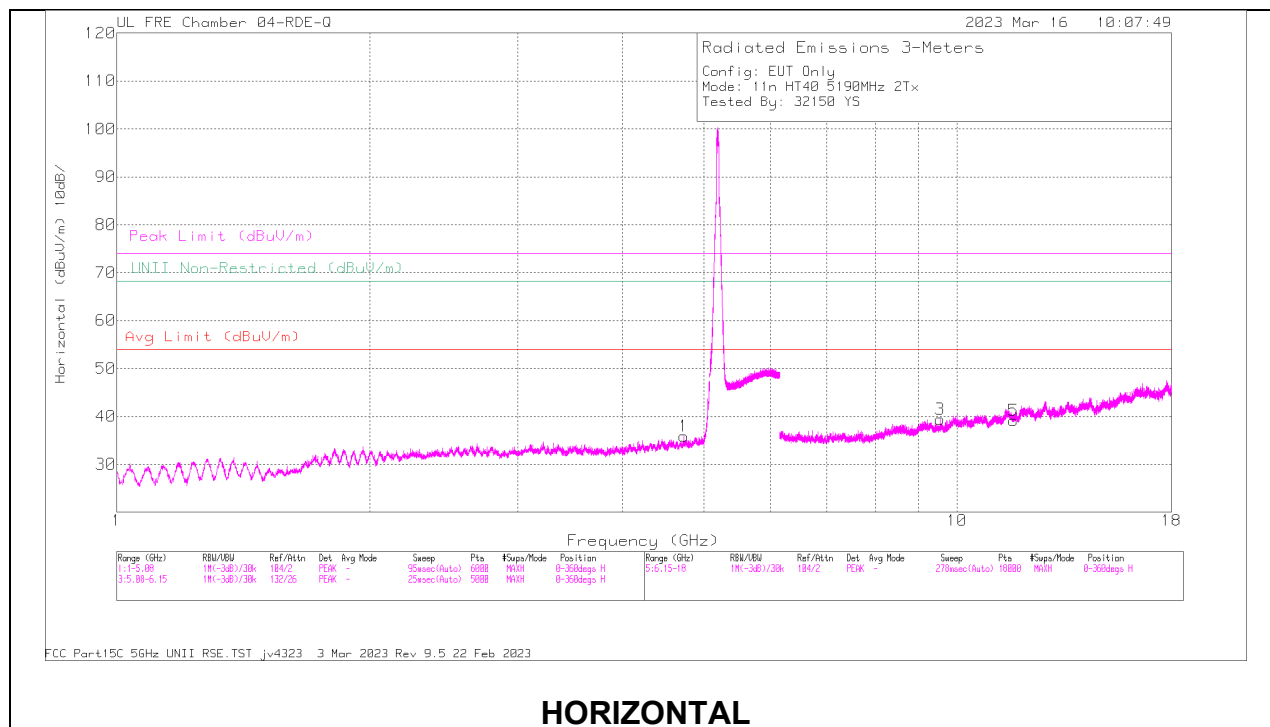
Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	65.2	Pk	34.1	0	-38.58	60.72	-	-	74	-13.28	156	374	V
2	5.149335	69.23	Pk	34.1	0	-38.58	64.75	-	-	74	-9.25	156	374	V
3	5.15	50.18	RMS	34.1	0.68	-38.58	46.38	54	-7.62	-	-	156	374	V
4	5.149835	50.92	RMS	34.1	0.68	-38.58	47.12	54	-6.88	-	-	156	374	V

Pk - Peak detector
RMS - RMS detection

2.1.4. 5.2GHz, HT40 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

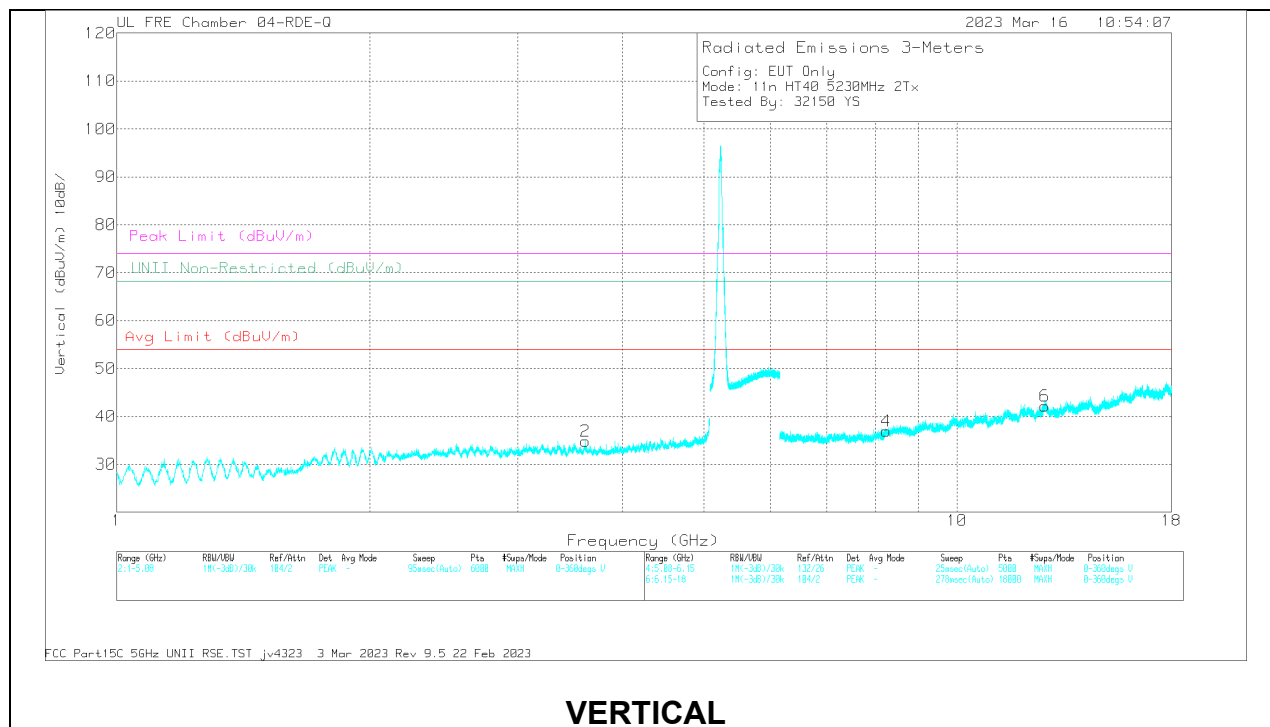
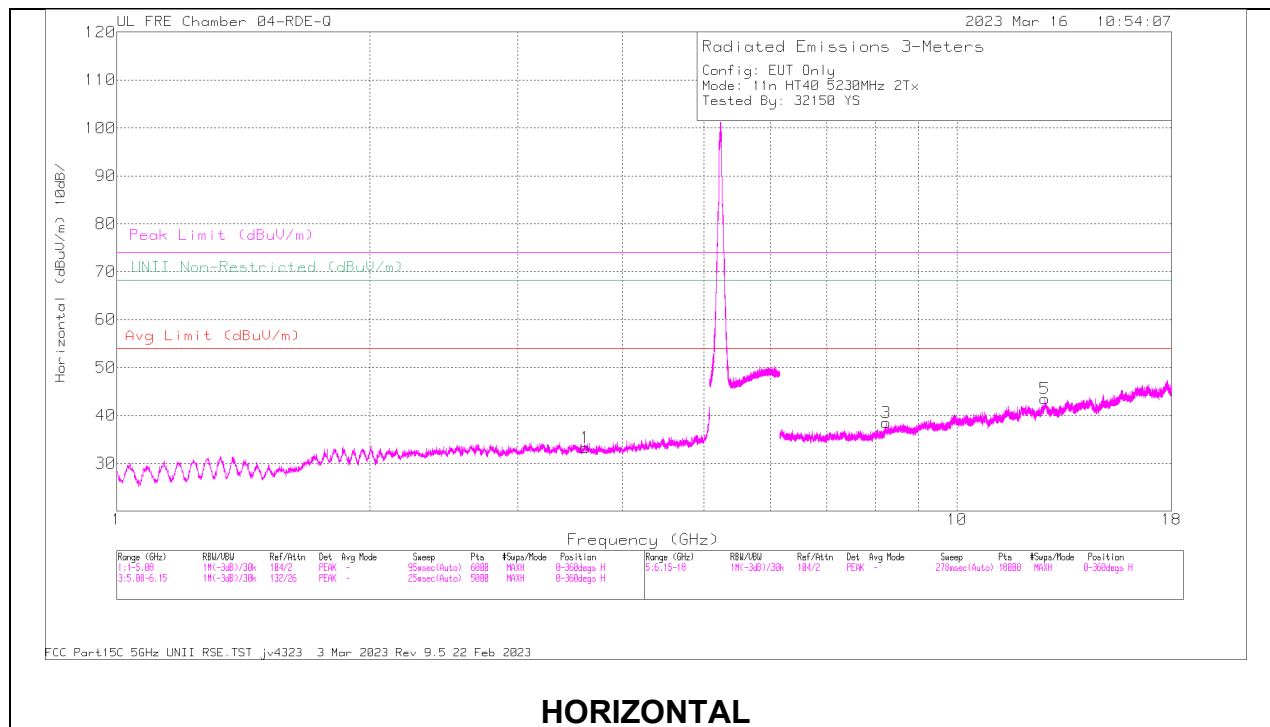
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.734448	56.89	PK-U	34.2	-46.03	45.06	-	-	74	-28.94	-	-	159	235	H
1	* 4.733652	45.03	ADR	34.2	-46.04	33.19	54	-20.81	-	-	-	-	159	235	H
2	* 4.735929	57.04	PK-U	34.2	-46	45.24	-	-	74	-28.76	-	-	281	393	V
2	* 4.73571	45.22	ADR	34.2	-46	33.42	54	-20.58	-	-	-	-	281	393	V
5	* 11.677686	55.32	PK-U	38.6	-43.41	50.51	-	-	74	-23.49	-	-	184	239	H
5	* 11.676754	43.35	ADR	38.6	-43.43	38.52	54	-15.48	-	-	-	-	184	239	H
6	* 11.676652	54.92	PK-U	38.6	-43.43	50.09	-	-	74	-23.91	-	-	237	164	V
6	* 11.679016	43.29	ADR	38.6	-43.49	38.4	54	-15.6	-	-	-	-	237	164	V
4	9.556002	56.12	PK-U	36.6	-44.09	48.63	-	-	-	-	68.2	-19.57	353	254	V
3	9.558513	55.73	PK-U	36.6	-43.94	48.39	-	-	-	-	68.2	-19.81	310	202	H

* - 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	84796 ACF (dB) ~ 3mH	Gain/Loss (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	* 3.612628	57.17	PK-U	32.9	-46.31	43.76	-	-	74	-30.24	-	-	278	218	H
1	* 3.612777	45.68	ADR	32.9	-46.32	32.26	54	-21.74	-	-	-	-	278	218	H
2	* 3.616348	58.3	PK-U	32.9	-46.25	44.95	-	-	74	-29.05	-	-	352	144	V
2	* 3.613923	46.47	ADR	32.9	-46.25	33.12	54	-20.88	-	-	-	-	352	144	V
3	* 8.241328	56.44	PK-U	35.9	-43.94	48.4	-	-	74	-25.6	-	-	207	306	H
3	* 8.239309	43.97	ADR	35.9	-43.86	36.01	54	-17.99	-	-	-	-	207	306	H
4	* 8.24107	55.99	PK-U	35.9	-43.93	47.96	-	-	74	-26.04	-	-	63	333	V
4	* 8.240219	44.13	ADR	35.9	-43.87	36.16	54	-17.84	-	-	-	-	63	333	V
5	12.728423	54.81	PK-U	39.1	-41.82	52.09	-	-	-	-	68.2	-16.11	124	251	H
6	12.729581	54.63	PK-U	39.1	-41.8	51.93	-	-	-	-	68.2	-16.27	279	291	V

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

PK-U - U-NII: Maximum Peak

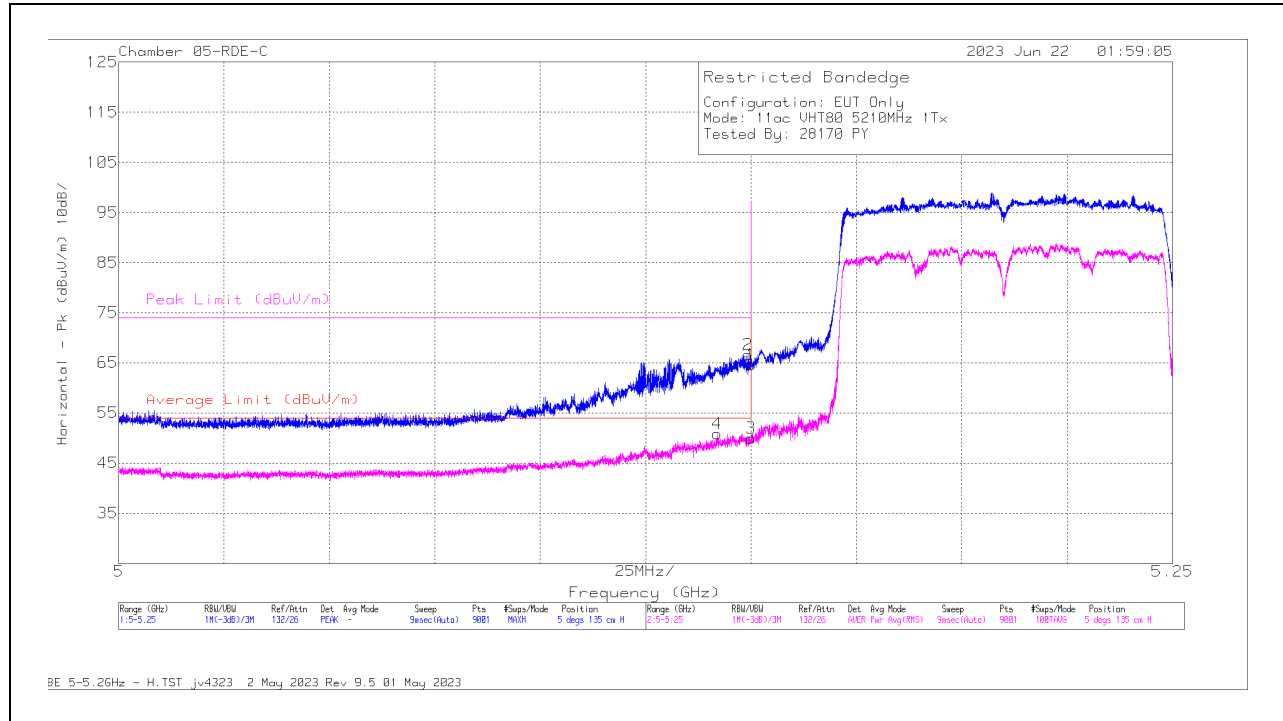
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6 MODE

BANDEDGE (MID CHANNEL)

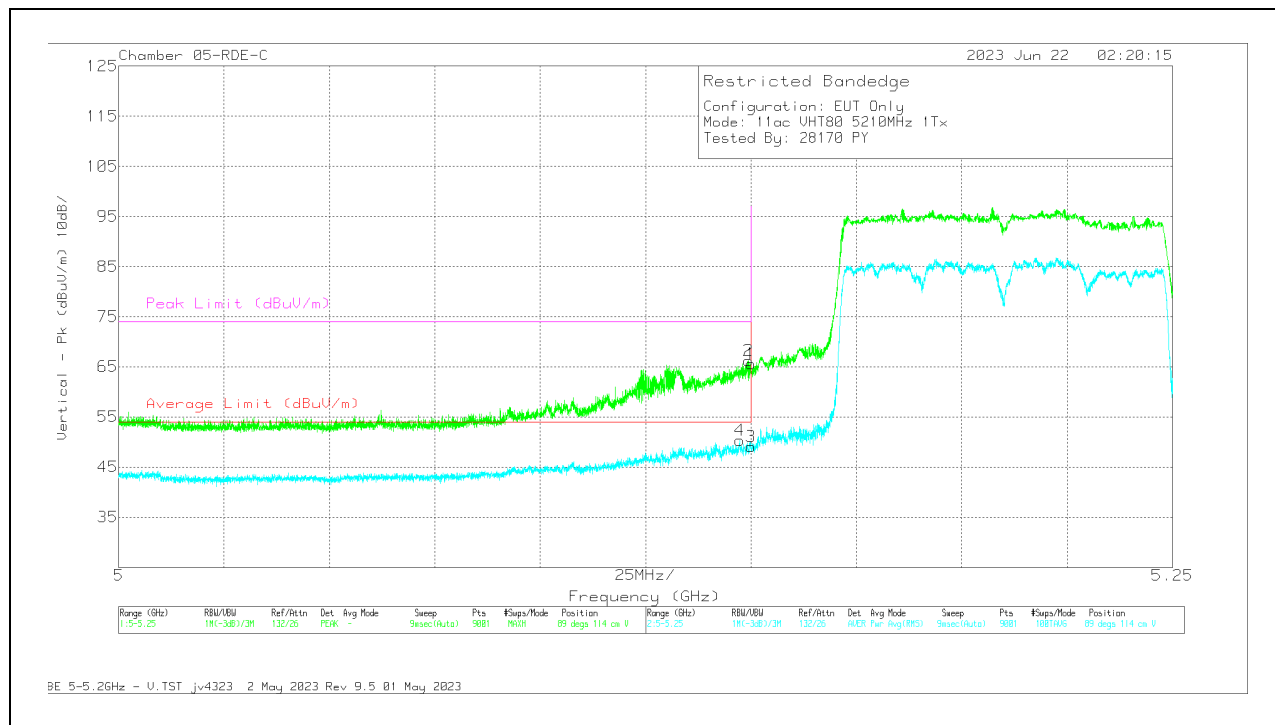
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	69.88	Pk	34.2	0	-39.52	64.56	-	-	74	-9.44	5	135	H
2	5.149279	71.92	Pk	34.2	0	-39.52	66.6	-	-	74	-7.4	5	135	H
3	5.15	54.83	RMS	34.2	.45	-39.52	49.95	54	-4.05	-	-	5	135	H
4	5.142029	55.57	RMS	34.2	.45	-39.4	50.82	54	-3.18	-	-	5	135	H

Pk - Peak detector

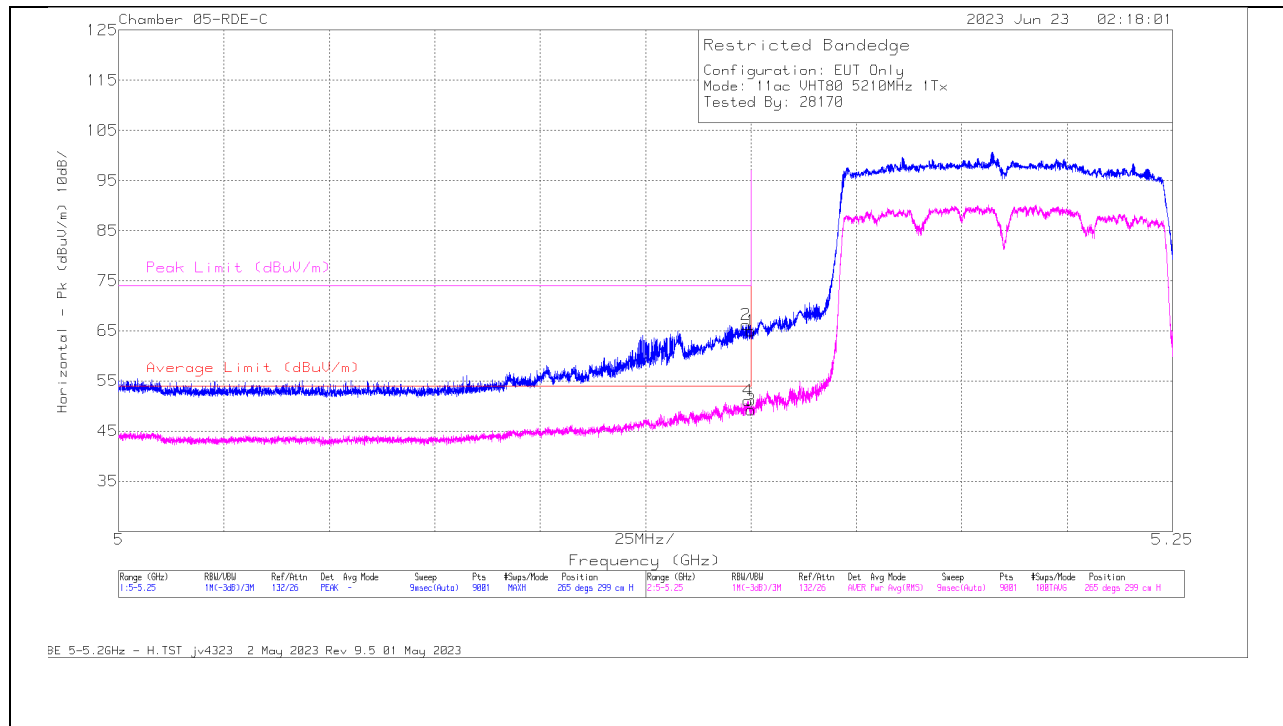
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	70.95	Pk	34.2	0	-39.52	65.63	-	-	74	-8.37	89	114	V
2	5.149418	71.53	Pk	34.2	0	-39.52	66.21	-	-	74	-7.79	89	114	V
3	5.15	53.95	RMS	34.2	.45	-39.52	49.08	54	-4.82	-	-	89	114	V
4	5.147335	55.06	RMS	34.2	.45	-39.46	50.25	54	-3.75	-	-	89	114	V

Pk - Peak detector

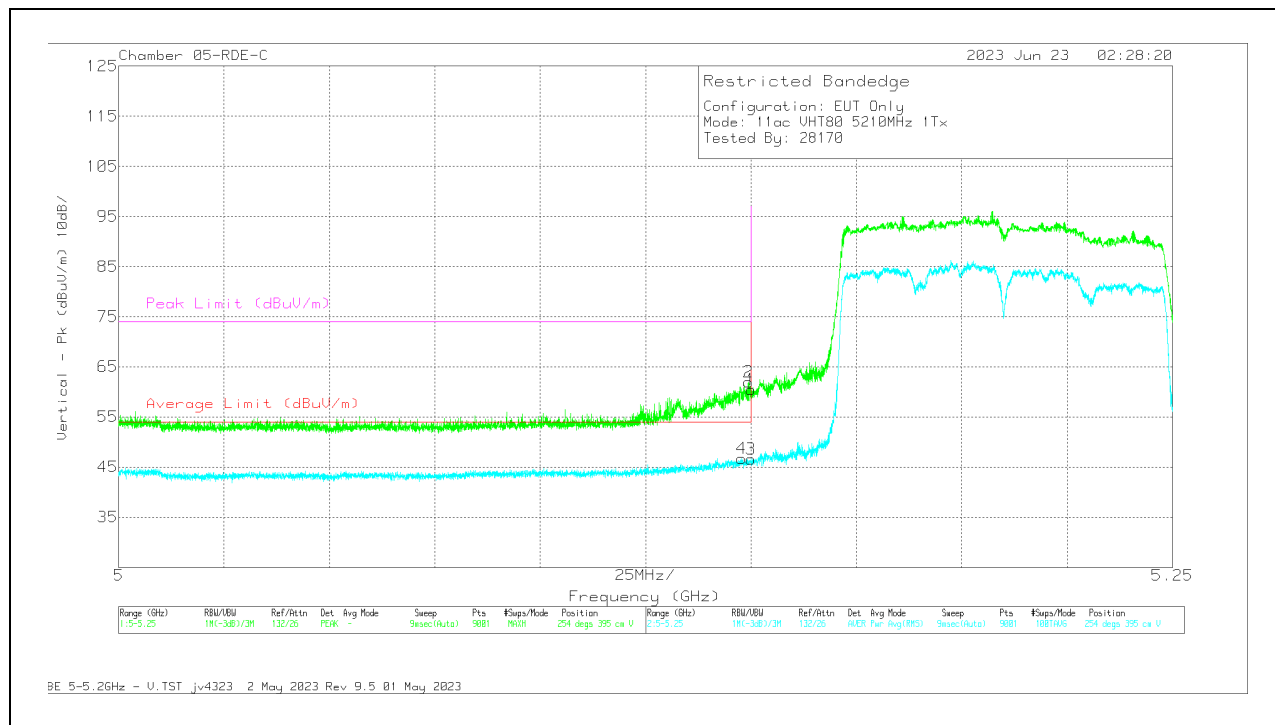
RMS - RMS detection

1TX Antenna 5 MODE**BANEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	70.34	Pk	34.2	0	-39.52	65.02	-	-	74	-8.98	265	299	H
2	5.148807	71.58	Pk	34.2	0	-39.51	66.27	-	-	74	-7.73	265	299	H
3	5.15	53.4	RMS	34.2	0.45	-39.52	48.53	54	-5.47	-	-	265	299	H
4	5.149223	55.38	RMS	34.2	0.45	-39.52	50.51	54	-3.49	-	-	265	299	H

Pk - Peak detector

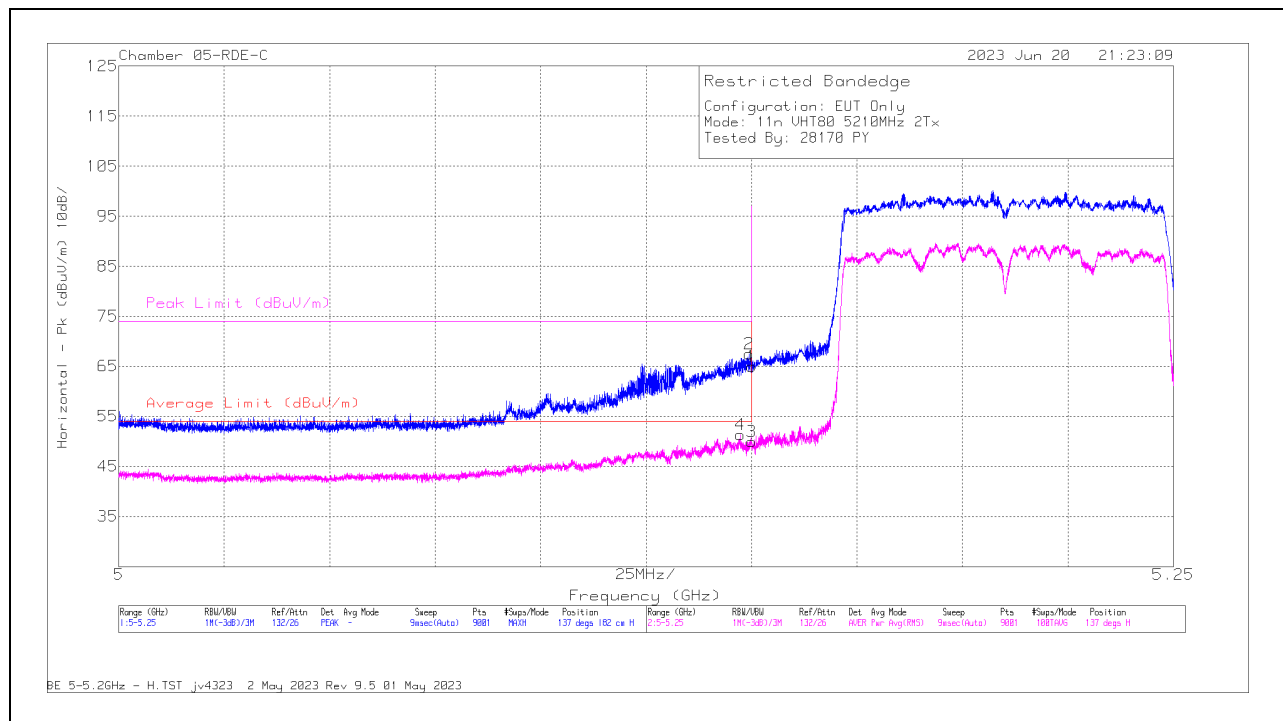
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	65.85	Pk	34.2	0	-39.52	60.53	-	-	74	-13.47	254	395	V
2	5.149418	67.35	Pk	34.2	0	-39.52	62.03	-	-	74	-11.97	254	395	V
3	5.15	50.81	RMS	34.2	0.45	-39.52	45.94	54	-8.06	-	-	254	395	V
4	5.147835	50.96	RMS	34.2	0.45	-39.48	46.13	54	-7.87	-	-	254	395	V

Pk - Peak detector

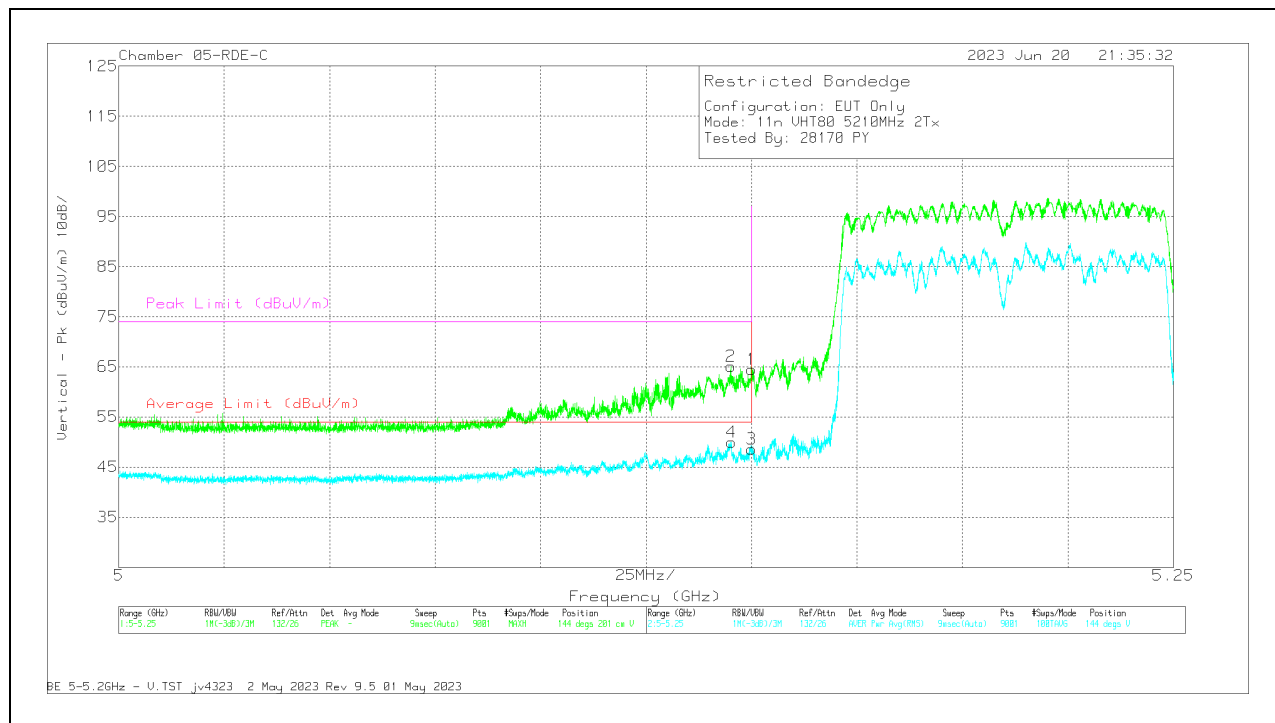
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	70.31	Pk	34.2	0	-39.52	64.99	-	-	74	-9.01	137	182	H
2	5.14939	72.86	Pk	34.2	0	-39.52	67.54	-	-	74	-6.46	137	182	H
3	5.15	54.81	RMS	34.2	.45	-39.52	49.94	54	-4.06	-	-	137	182	H
4	5.14739	56.11	RMS	34.2	.45	-39.46	51.3	54	-2.7	-	-	137	182	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

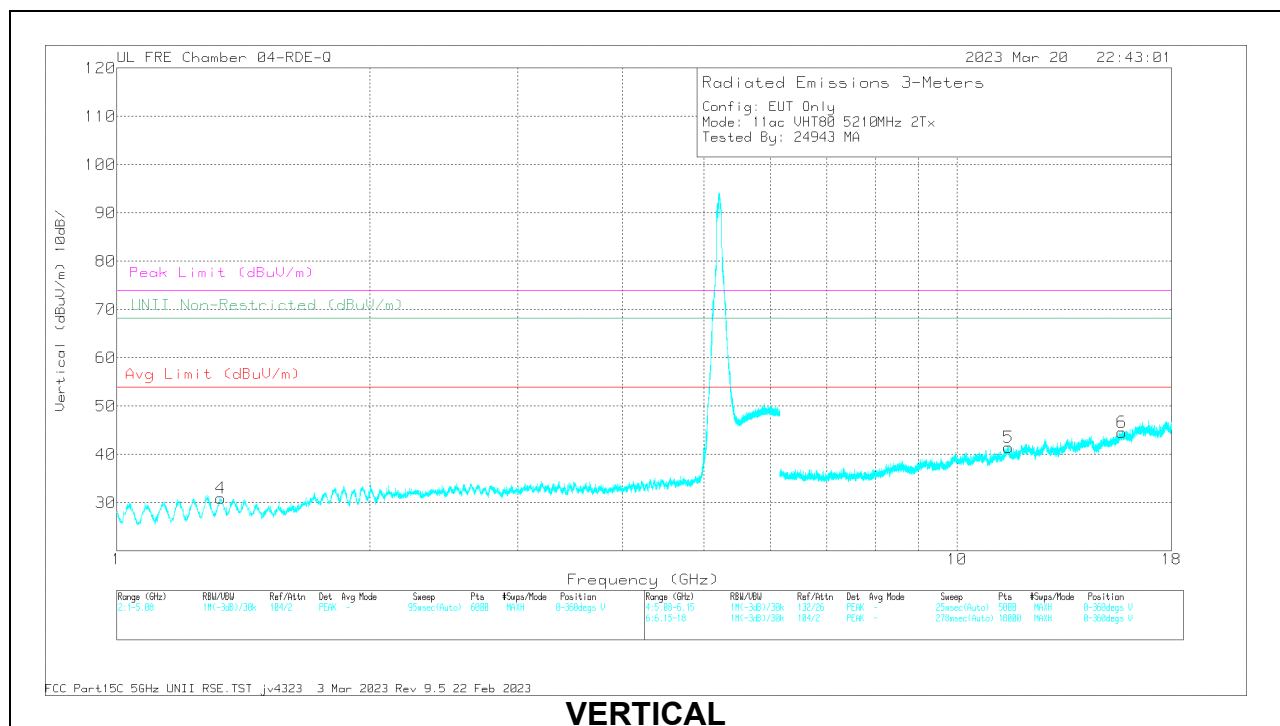
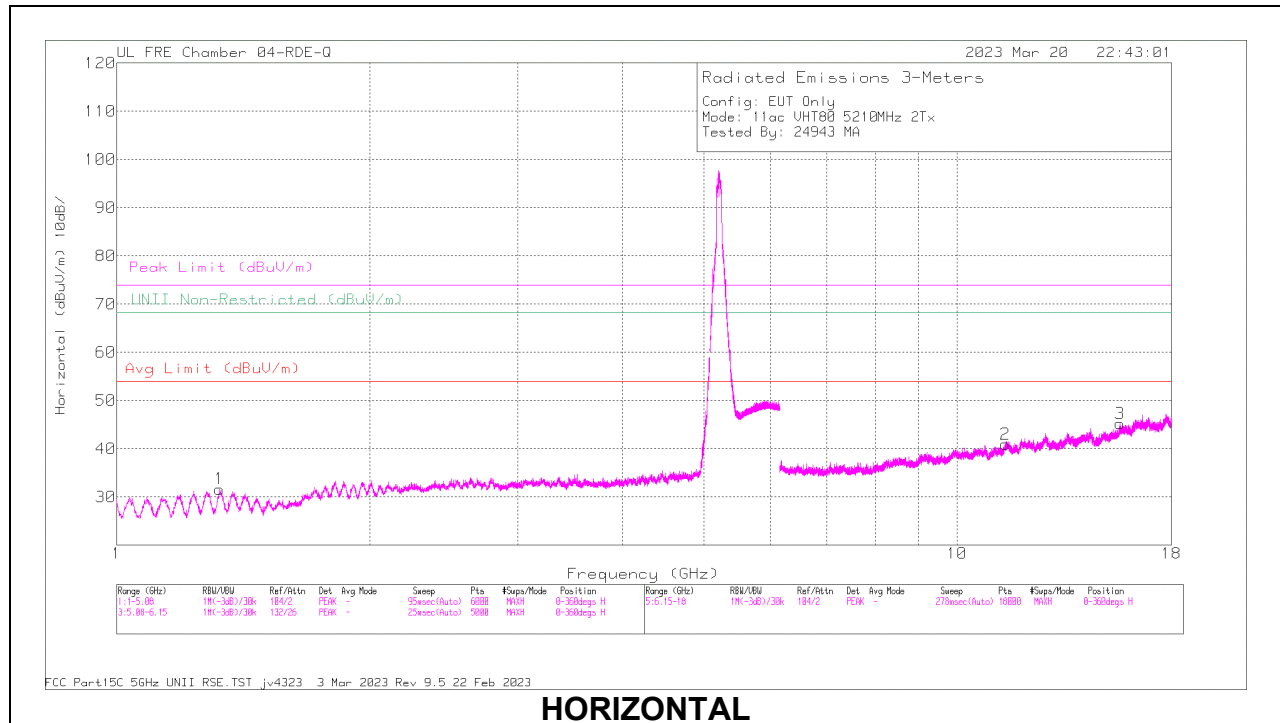
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	69.78	Pk	34.2	0	-39.52	64.46	-	-	74	-9.54	144	201	V
2	5.145168	70.28	Pk	34.2	0	-39.41	65.07	-	-	74	-8.93	144	201	V
3	5.15	53.43	RMS	34.2	.45	-39.52	48.56	54	-5.44	-	-	144	201	V
4	5.145196	54.76	RMS	34.2	.45	-39.41	50	54	-4	-	-	144	201	V

Pk - Peak detector

RMS - RMS detection

2.1.6. 5.2GHz, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.327444	55.23	PK-U	29	-47.22	37.01	-	-	74	-36.99	360	100	H
	* 1.327605	43.36	ADR	29	-47.23	25.13	54	-28.87	-	-	360	100	H
4	* 1.329784	59.43	PK-U	29	-47.34	41.09	-	-	74	-32.91	360	100	V
	* 1.329906	47.6	ADR	29	-47.34	29.26	54	-24.74	-	-	360	100	V
2	* 11.411545	56.75	PK-U	38.3	-44.16	50.89	-	-	74	-23.11	360	100	H
	* 11.408526	45.17	ADR	38.3	-44.15	39.32	54	-14.68	-	-	360	100	H
3	* 15.633866	55.11	PK-U	40.4	-42.01	53.5	-	-	74	-20.5	360	100	H
	* 15.633125	43.78	ADR	40.4	-41.86	42.32	54	-11.68	-	-	360	100	H
5	* 11.51026	55.31	PK-U	38.4	-43.34	50.37	-	-	74	-23.63	360	201	V
	* 11.51274	44.03	ADR	38.4	-43.26	39.17	54	-14.83	-	-	360	201	V
6	* 15.715476	55.27	PK-U	40.5	-42.39	53.38	-	-	74	-20.62	360	200	V
	* 15.71349	43.91	ADR	40.5	-42.42	41.99	54	-12.01	-	-	360	200	V

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

PK-U - U-NII: Maximum Peak

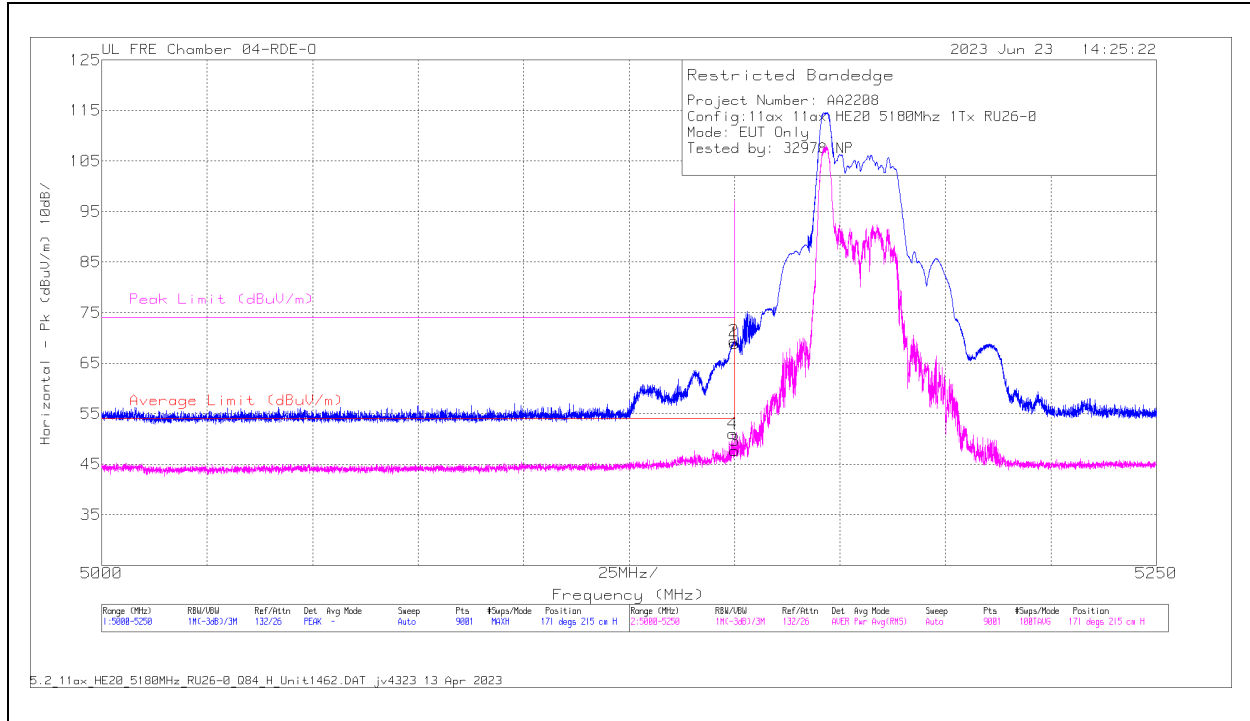
ADR - U-NII AD primary method, RMS average

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

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

BANDEDGE (LOW CHANNEL)

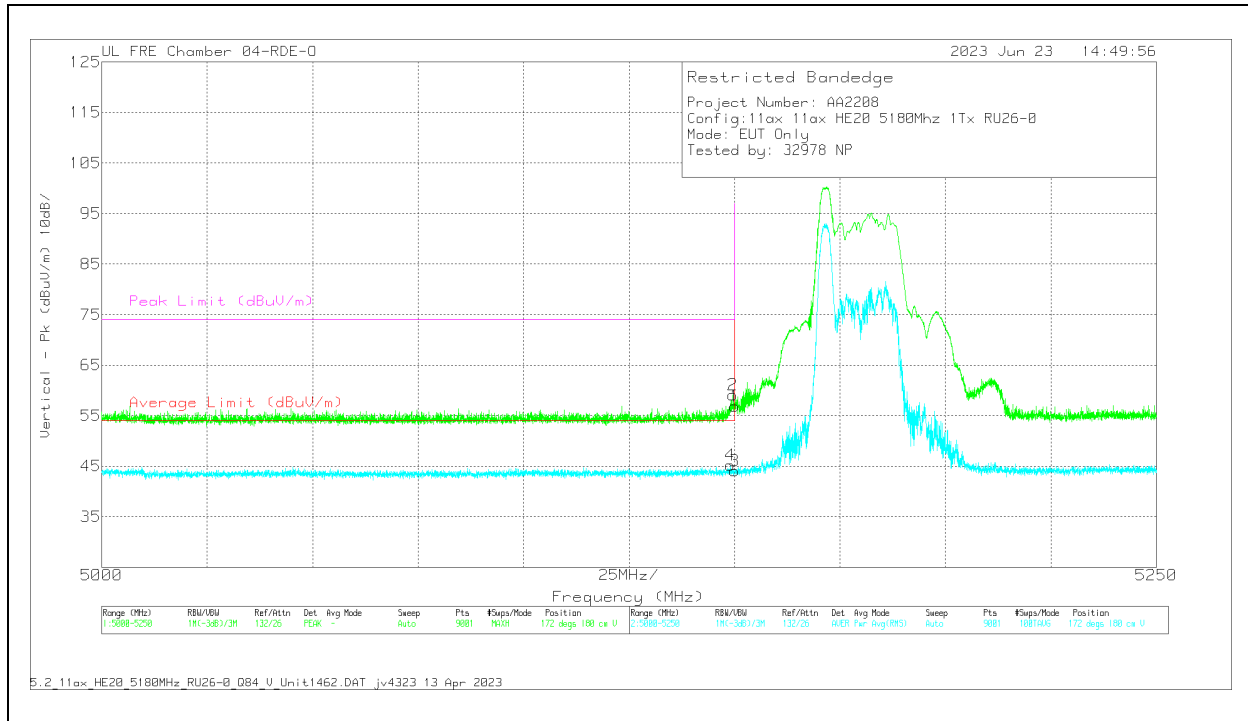
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB) -3mH	DCCF (dB)	Gain/Loss (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	70.36	Pk	34.4	0	-35.79	68.97	-	-	74	-5.03	171	215	H
2	5149.807	70.78	Pk	34.4	0	-35.79	69.39	-	-	74	-4.61	171	215	H
3	5150	48.6	RMS	34.4	.47	-35.79	47.66	54	-6.34	-	-	171	215	H
4	5149.612	52.01	RMS	34.4	.47	-35.79	51.07	54	-2.93	-	-	171	215	H

Pk - Peak detector

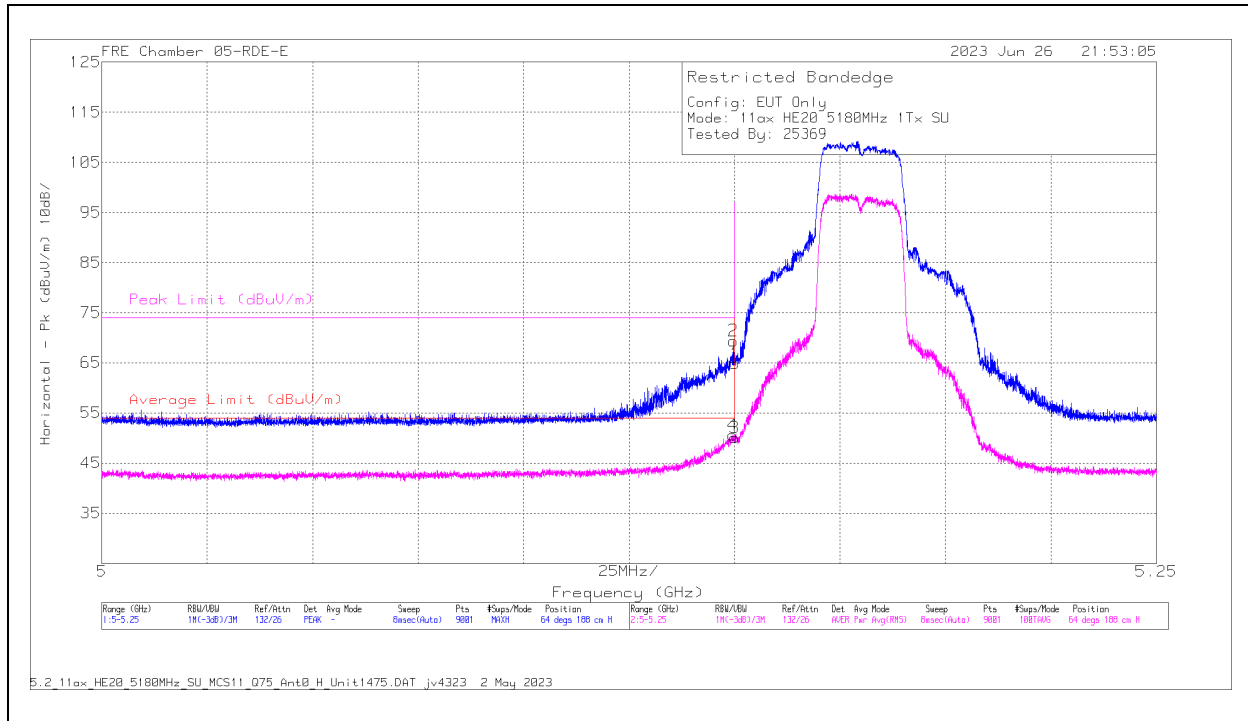
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF (dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5150	58.22	Pk	34.4		-35.79	56.83	-	-	74	-17.17	172	180	V
2	5149.612	60.54	Pk	34.4		-35.79	59.15	-	-	74	-14.85	172	180	V
3	5150	45.51	RMS	34.4	0.47	-35.79	44.59	54	-9.41	-	-	172	180	V
4	5148.946	46.47	RMS	34.5	0.47	-35.78	45.66	54	-8.34	-	-	172	180	V

Pk - Peak detector

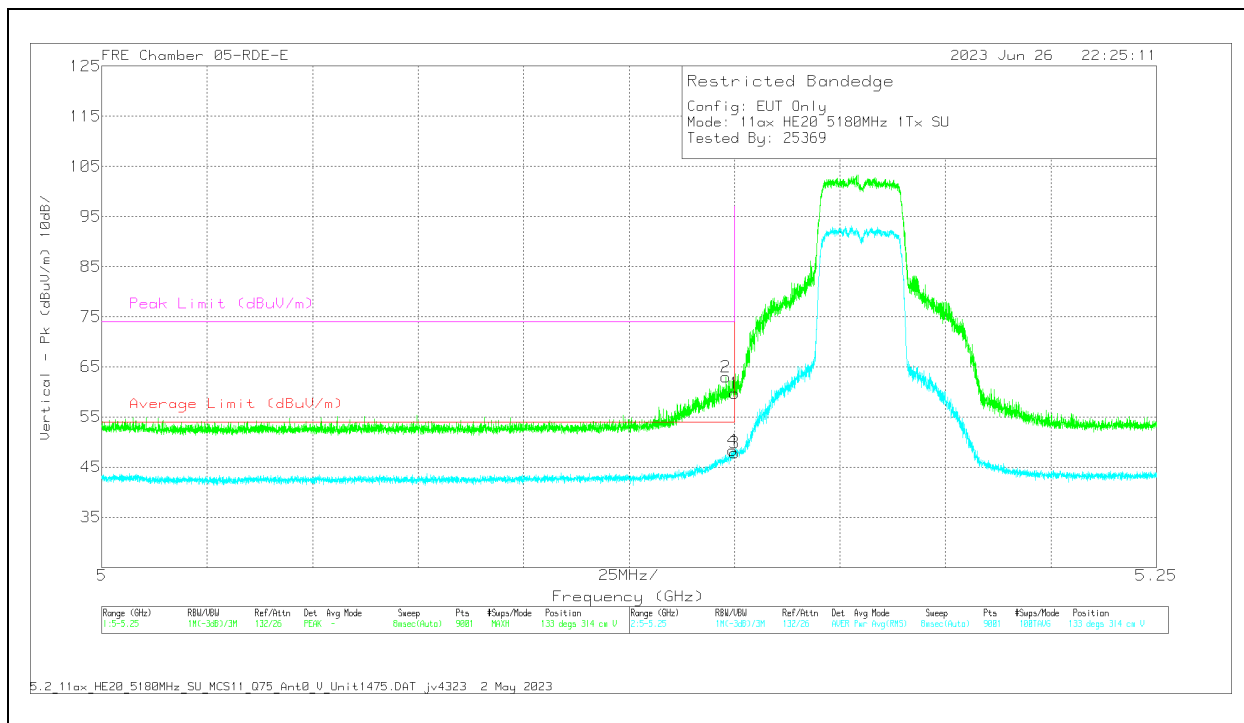
RMS - RMS detection

1TX Antenna 6 MODE: SU, Single User**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	69.34	Pk	34.3	0	-38.81	64.83	-	-	74	-9.17	64	188	H
2	5.149668	73.93	Pk	34.3	0	-38.81	69.42	-	-	74	-4.58	64	188	H
3	5.15	54.03	RMS	34.3	.57	-38.81	50.09	54	-3.91	-	-	64	188	H
4	5.149612	54.49	RMS	34.3	.57	-38.81	50.55	54	-3.45	-	-	64	188	H

Pk - Peak detector

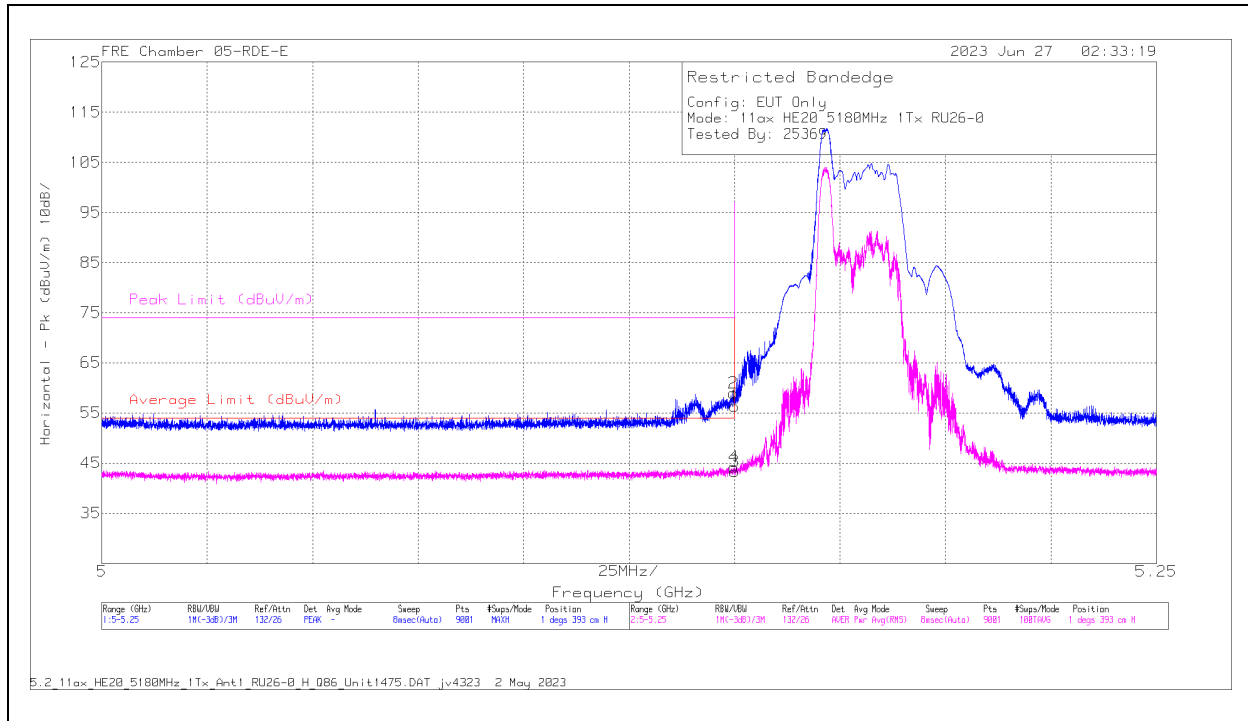
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	64.26	Pk	34.3	0	-38.81	59.75	-	-	74	-14.25	133	314	V
2	5.14789	67.52	Pk	34.3	0	-38.83	62.99	-	-	74	-11.01	133	314	V
3	5.15	51.76	RMS	34.3	.57	-38.81	47.82	54	-6.18	-	-	133	314	V
4	5.149529	52.25	RMS	34.3	.57	-38.81	48.31	54	-5.69	-	-	133	314	V

Pk - Peak detector

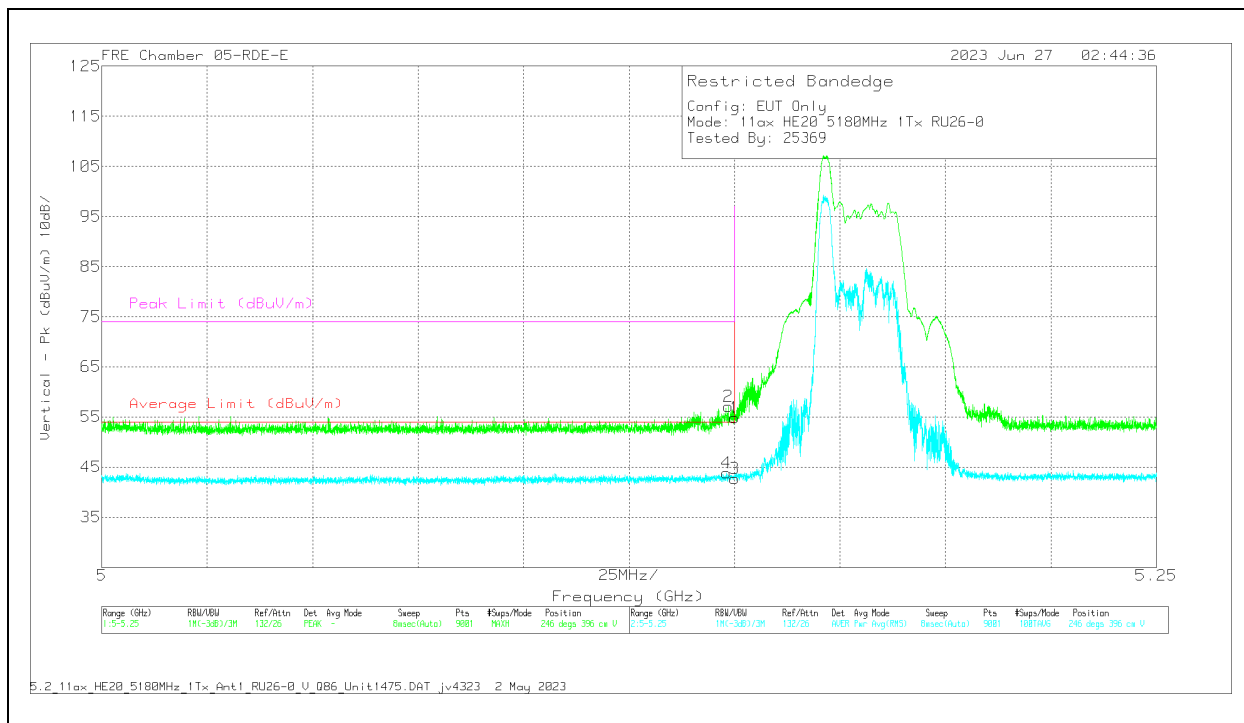
RMS - RMS detection

1TX Antenna 5 MODE: 26-Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	60.86	Pk	34.3	0	-38.81	56.35	-	-	74	-17.65	1	393	H
2	5.149779	63.54	Pk	34.3	0	-38.81	59.03	-	-	74	-14.97	1	393	H
3	5.15	47.38	RMS	34.3	.47	-38.81	43.34	54	-10.66	-	-	1	393	H
4	5.149807	48.3	RMS	34.3	.47	-38.81	44.26	54	-9.74	-	-	1	393	H

Pk - Peak detector

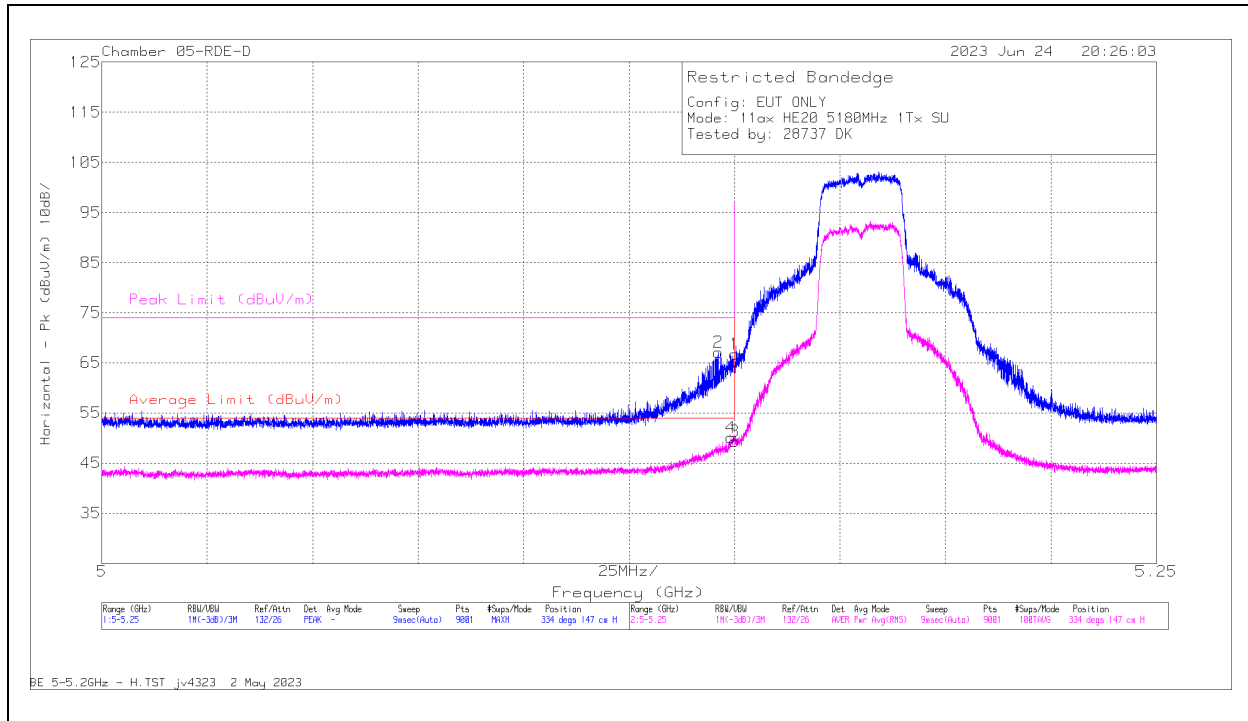
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	59.4	Pk	34.3	0	-38.81	54.89	-	-	74	-19.11	246	396	V
2	5.148501	61.59	Pk	34.3	0	-38.82	57.07	-	-	74	-16.93	246	396	V
3	5.15	46.81	RMS	34.3	.47	-38.81	42.77	54	-11.23	-	-	246	396	V
4	5.148029	47.92	RMS	34.3	.47	-38.83	43.86	54	-10.14	-	-	246	396	V

Pk - Peak detector

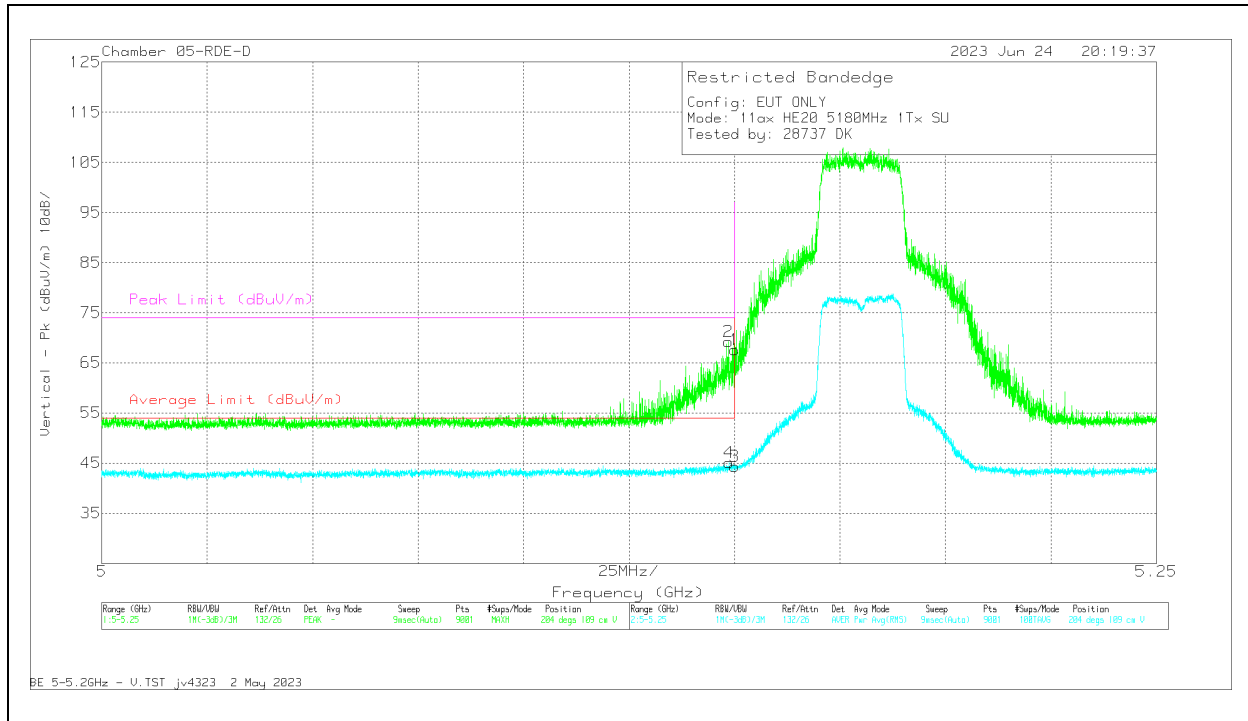
RMS - RMS detection

1TX Antenna 5 MODE: SU, Single User**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	70.72	Pk	34.5	0	-38.49	66.73	-	-	74	-7.27	334	147	H
2	5.146168	71.28	Pk	34.5	0	-38.67	67.11	-	-	74	-6.89	334	147	H
3	5.15	52.74	RMS	34.5	.57	-38.49	49.32	54	-4.68	-	-	334	147	H
4	5.14914	53.55	RMS	34.5	.57	-38.52	50.10	54	-3.90	-	-	334	147	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

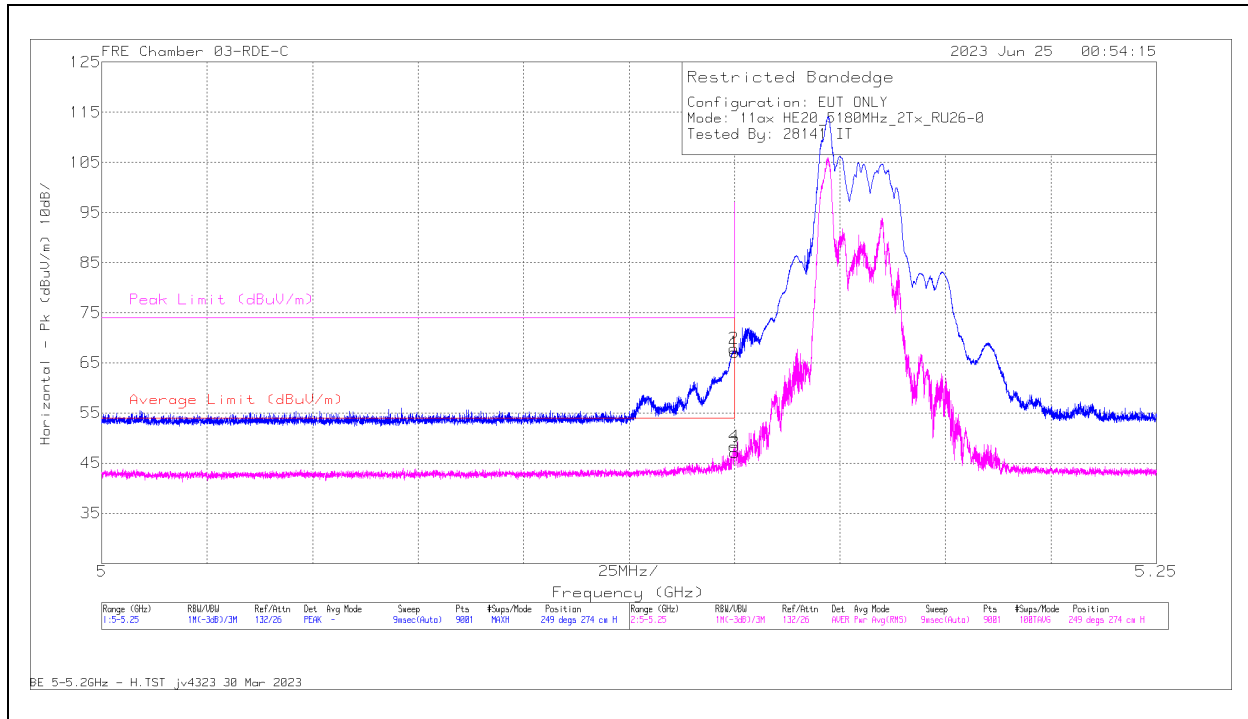
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	71.57	Pk	34.5	0	-38.49	67.58	-	-	74	-6.42	204	109	V
2	5.148473	73.36	Pk	34.5	0	-38.61	69.25	-	-	74	-4.75	204	109	V
3	5.15	47.72	RMS	34.5	.57	-38.49	44.30	54	-9.70	-	-	204	109	V
4	5.148668	48.56	RMS	34.5	.57	-38.58	45.05	54	-8.95	-	-	204	109	V

Pk - Peak detector

RMS - RMS detection

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

HORIZONTAL RESULT

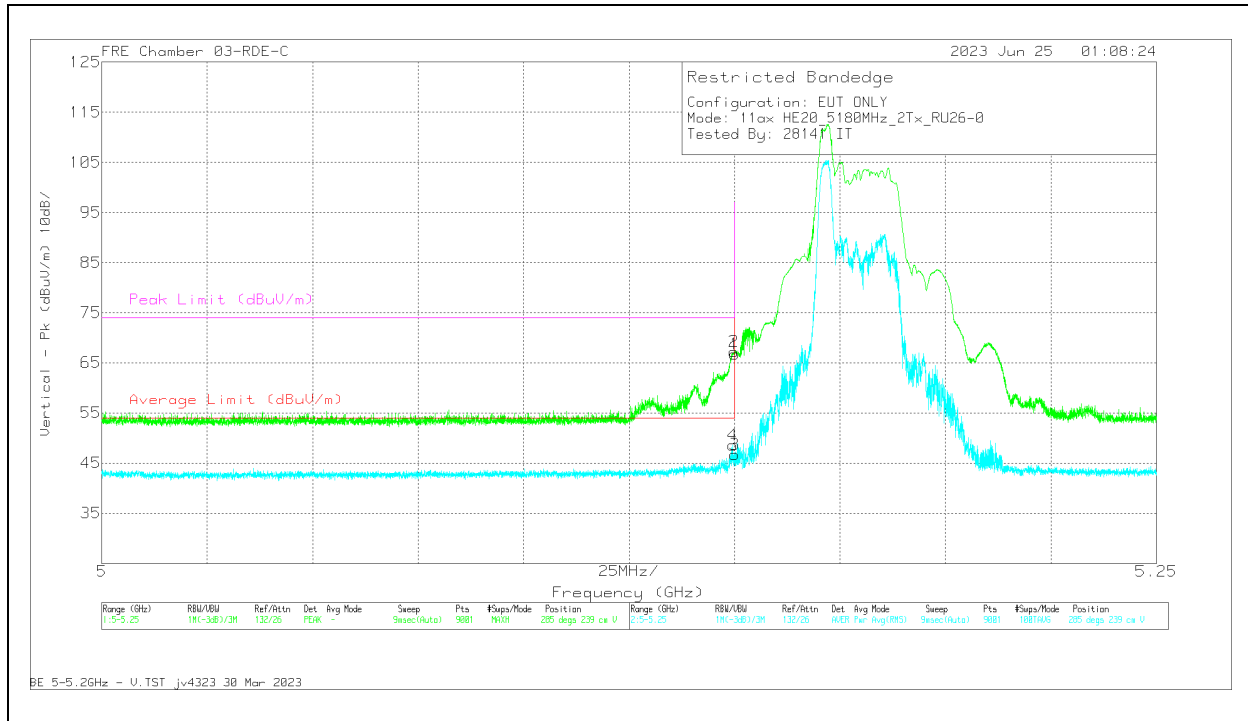


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	71.14	Pk	34.4	0	-38.4	67.14	-	-	74	-6.86	249	274	H
2	* 5.149835	71.83	Pk	34.4	0	-38.42	67.81	-	-	74	-6.19	249	274	H
3	* 5.15	50.58	RMS	34.4	.47	-38.4	47.05	54	-6.95	-	-	249	274	H
4	* 5.149946	51.87	RMS	34.4	.47	-38.41	48.33	54	-5.67	-	-	249	274	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	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	70.75	Pk	34.4	0	-38.4	66.75	-	-	74	-7.25	285	239	V
2	* 5.149862	71.28	Pk	34.4	0	-38.41	67.27	-	-	74	-6.73	285	239	V
3	* 5.15	50.28	RMS	34.4	.47	-38.4	46.75	54	-7.25	-	-	285	239	V
4	* 5.149585	52.17	RMS	34.4	.47	-38.44	48.60	54	-5.40	-	-	285	239	V

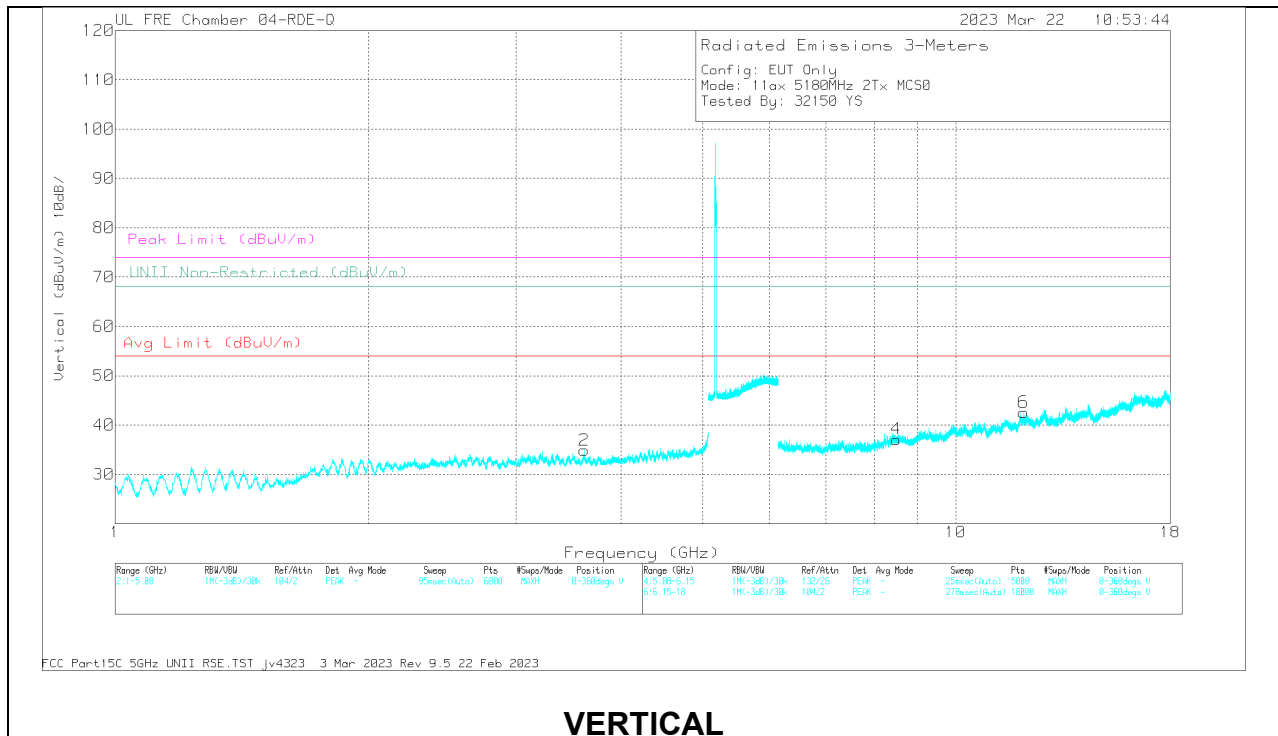
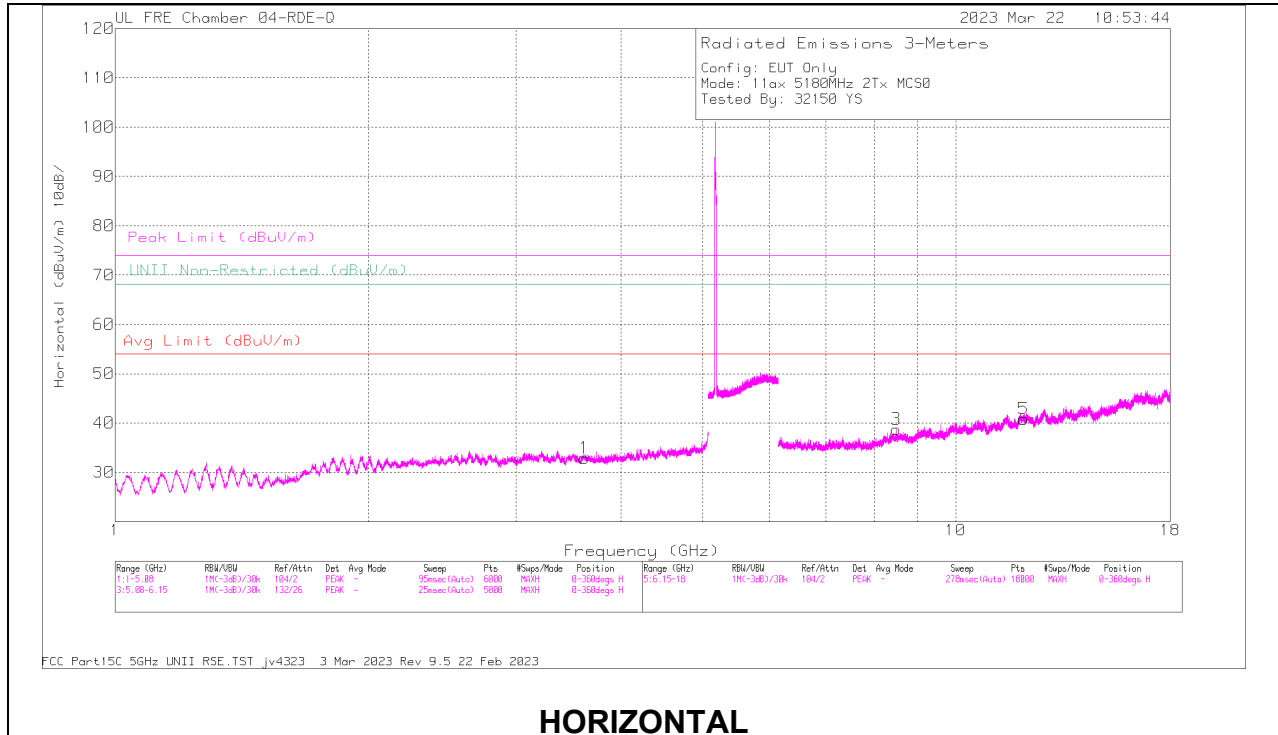
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2.1.8. 5.2GHz, 11ax HE20 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



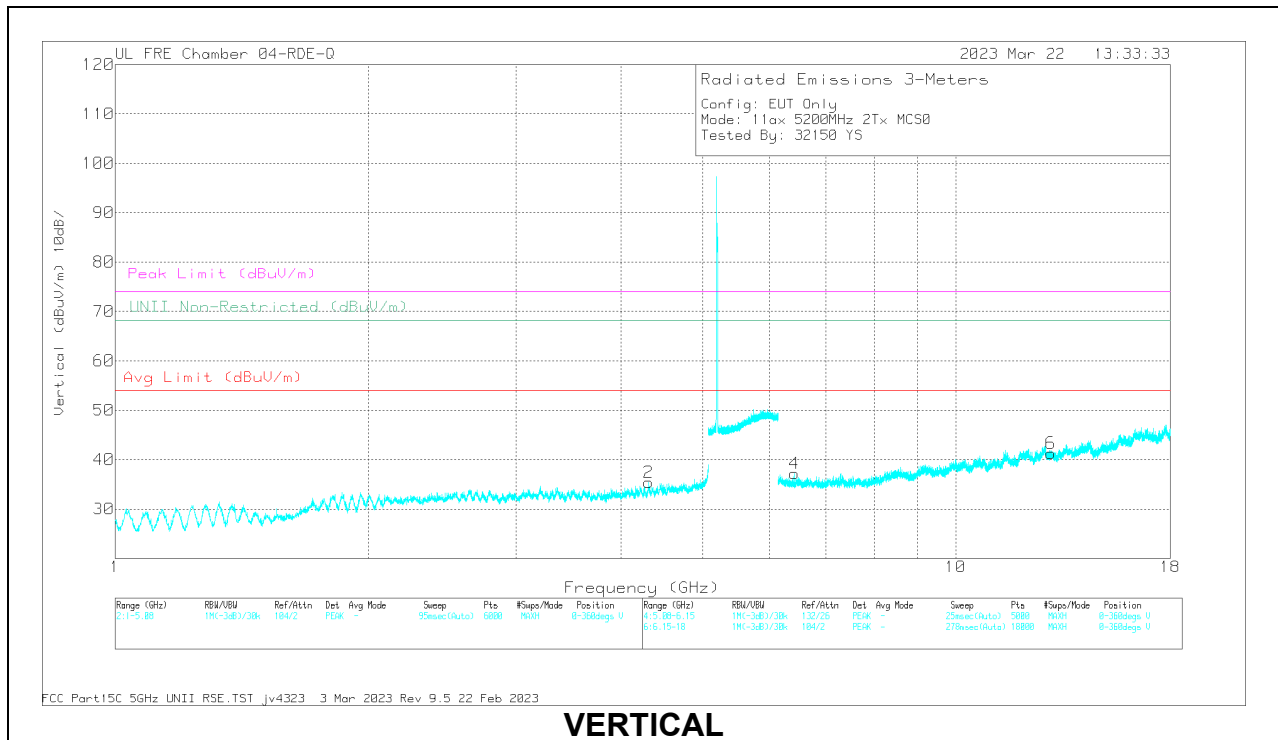
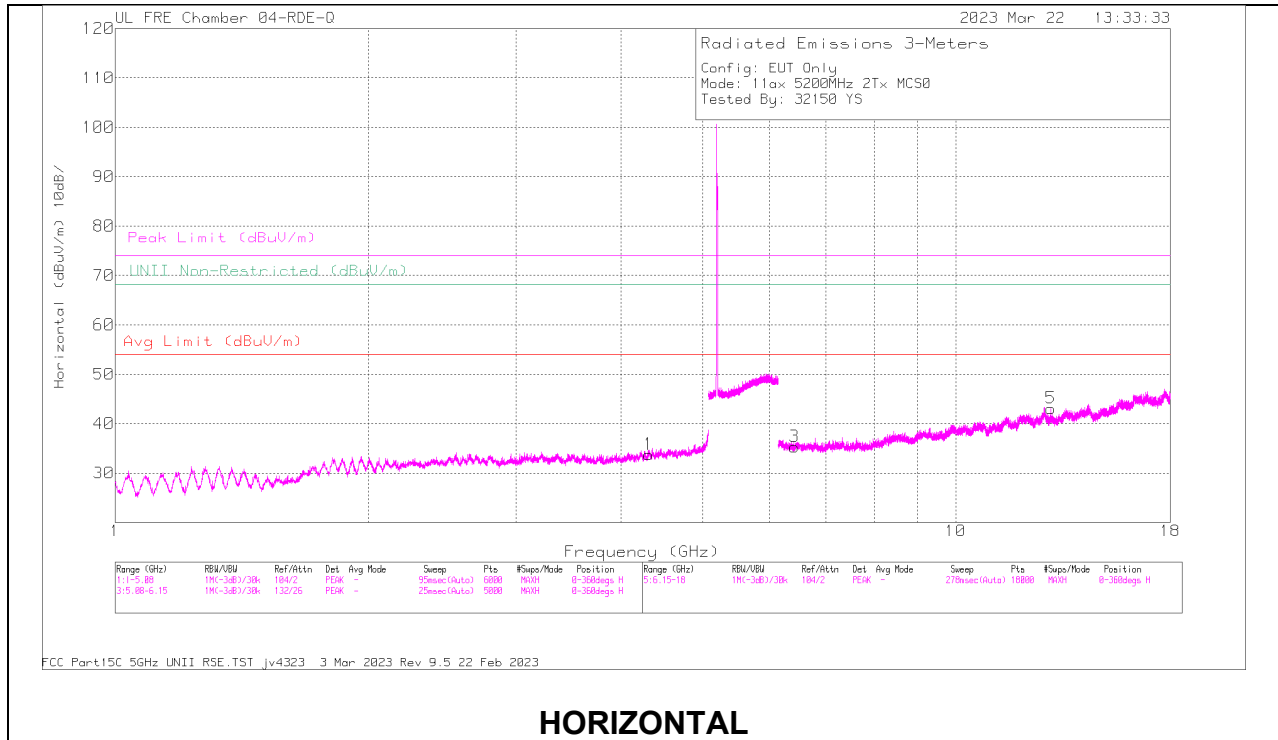
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.613891	56.74	PK-U	32.9	-46.25	43.39	-	-	74	-30.61	135	171	H
1	* 3.612459	45.31	ADR	32.9	-46.3	31.91	54	-22.09	-	-	135	171	H
2	* 3.613679	57.55	PK-U	32.9	-46.27	44.18	-	-	74	-29.82	235	249	V
2	* 3.612693	45.5	ADR	32.9	-46.31	32.09	54	-21.91	-	-	235	249	V
3	* 8.262965	55.84	PK-U	35.9	-44.21	47.53	-	-	74	-26.47	144	186	H
3	* 8.263761	43.84	ADR	35.9	-44.21	35.53	54	-18.47	-	-	144	186	H
5	* 12.043548	55.11	PK-U	38.8	-42.99	50.92	-	-	74	-23.08	214	309	H
5	* 12.043737	43.63	ADR	38.8	-42.97	39.46	54	-14.54	-	-	214	309	H
4	* 8.260045	55.09	PK-U	35.9	-44.35	46.64	-	-	74	-27.36	144	186	V
4	* 8.261786	43.85	ADR	35.9	-44.31	35.44	54	-18.56	-	-	144	186	V
6	* 12.041501	55.17	PK-U	38.8	-42.91	51.06	-	-	74	-22.94	331	181	V
6	* 12.042912	43.74	ADR	38.8	-43.04	39.5	54	-14.5	-	-	331	181	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

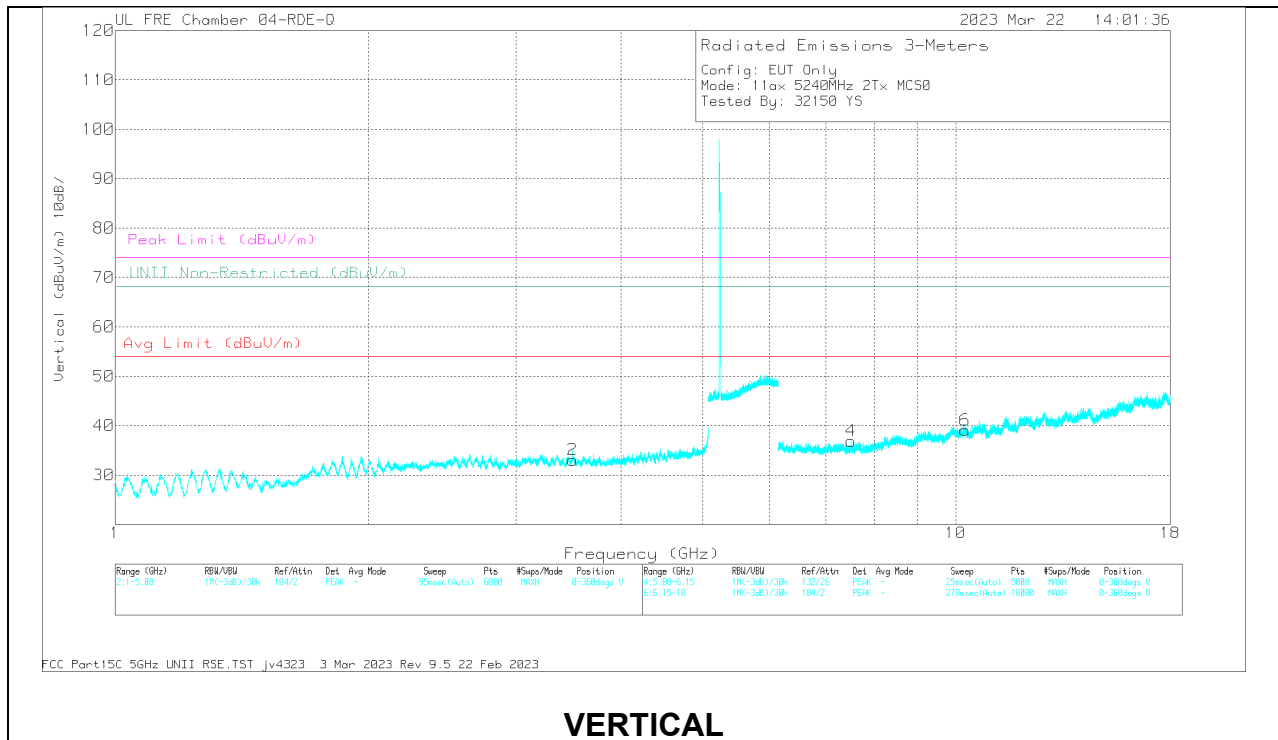
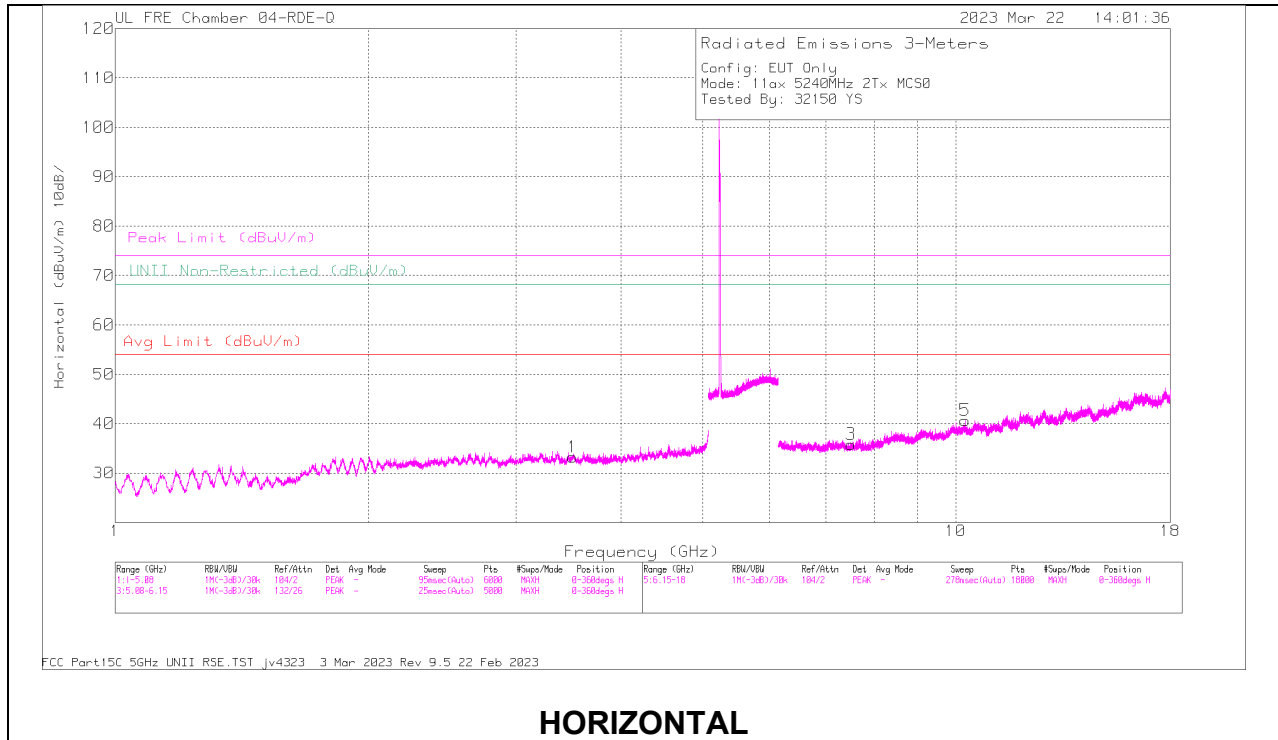
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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	* 4.314511	56.8	PK-U	33.7	-46.2	44.3	-	-	74	-29.7	-	-	212	377	H
1	* 4.314613	45.41	ADR	33.7	-46.2	32.91	54	-21.09	-	-	-	-	212	377	H
2	* 4.313263	57.47	PK-U	33.7	-46.2	44.97	-	-	74	-29.03	-	-	269	288	V
2	* 4.312785	45.42	ADR	33.7	-46.21	32.91	54	-21.09	-	-	-	-	269	288	V
4	6.426488	55.36	PK-U	35.6	-44.89	46.07	-	-	-	-	68.2	-22.13	285	136	V
3	6.427977	54.82	PK-U	35.6	-44.86	45.56	-	-	-	-	68.2	-22.64	215	166	H
5	12.983535	54.28	PK-U	39.2	-42.73	50.75	-	-	-	-	68.2	-17.45	140	304	H
6	12.985373	54.56	PK-U	39.2	-42.74	51.02	-	-	-	-	68.2	-17.18	86	150	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

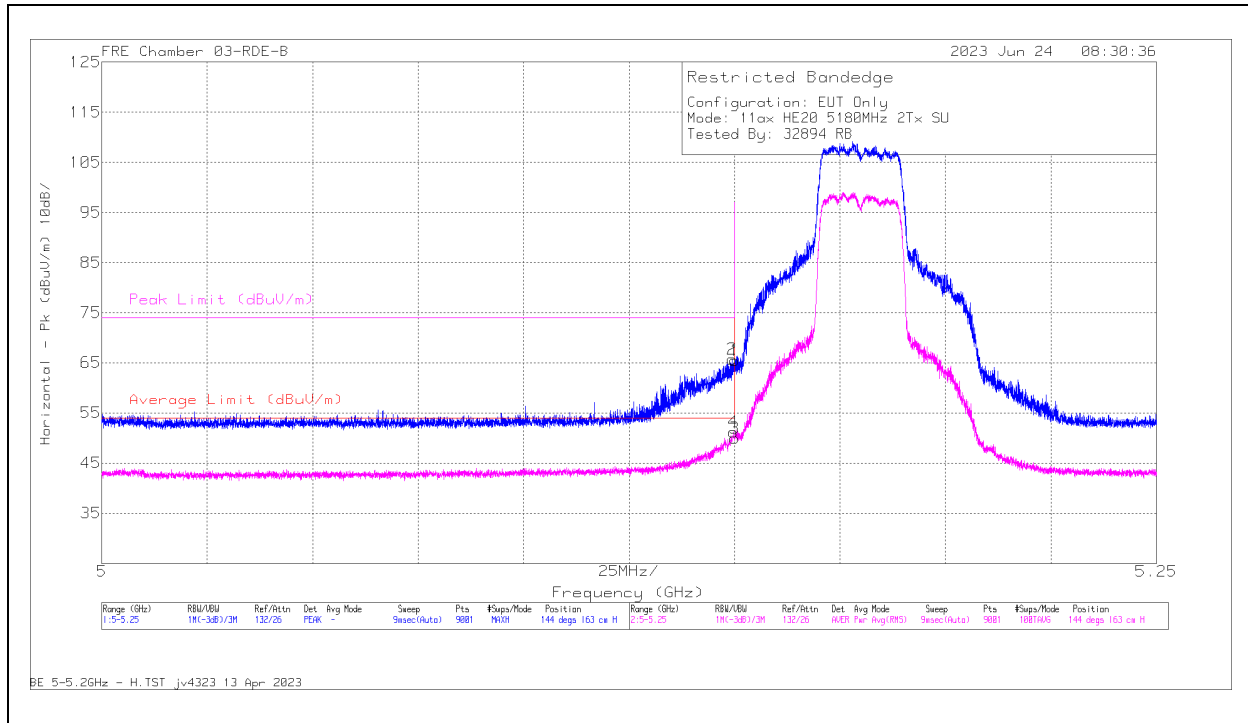
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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	* 3.507761	57.05	PK-U	32.9	-46.2	43.75	-	-	74	-30.25	-	-	31	171	H
1	* 3.505703	45.43	ADR	32.9	-46.12	32.21	54	-21.79	-	-	-	-	31	171	H
2	* 3.508213	57.3	PK-U	32.9	-46.2	44	-	-	74	-30	-	-	157	171	V
2	* 3.507766	45.63	ADR	32.9	-46.2	32.33	54	-21.67	-	-	-	-	157	171	V
3	* 7.506447	54.36	PK-U	35.5	-44.22	45.64	-	-	74	-28.36	-	-	69	274	H
3	* 7.507904	43.04	ADR	35.5	-44.19	34.35	54	-19.65	-	-	-	-	69	274	H
4	* 7.5059	54.83	PK-U	35.5	-44.26	46.07	-	-	74	-27.93	-	-	237	153	V
4	* 7.505767	43.21	ADR	35.5	-44.25	34.46	54	-19.54	-	-	-	-	237	153	V
6	10.259249	56.38	PK-U	37.3	-44.16	49.52	-	-	-	-	68.2	-18.68	358	173	V
5	10.261524	56.44	PK-U	37.3	-44.06	49.68	-	-	-	-	68.2	-18.52	320	258	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

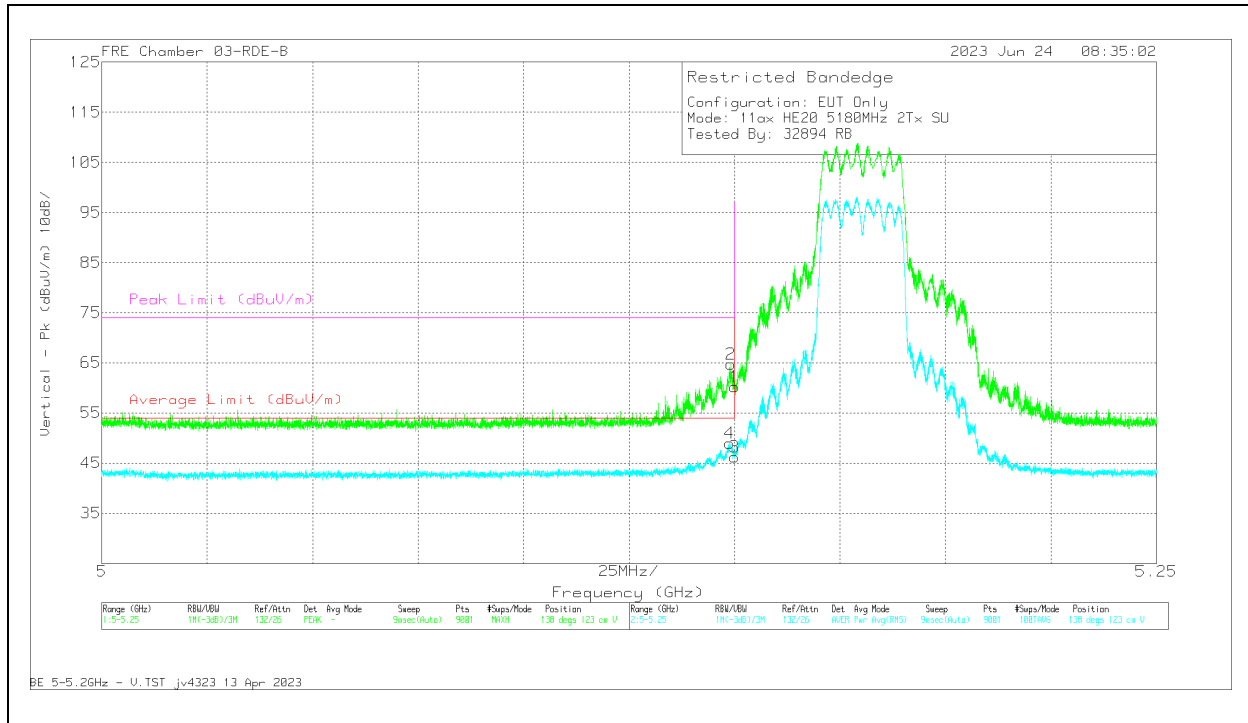
2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	71.12	Pk	34.3	0	-39.9	65.52	-	-	74	-8.48	144	163	H
2	* 5.149473	71.33	Pk	34.3	0	-39.9	65.73	-	-	74	-8.27	144	163	H
3	* 5.15	54.93	RMS	34.3	.57	-39.9	49.90	54	-4.10	-	-	144	163	H
4	* 5.149696	56.19	RMS	34.3	.57	-39.9	51.16	54	-2.84	-	-	144	163	H

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

Pk - Peak detector

RMS - RMS detection

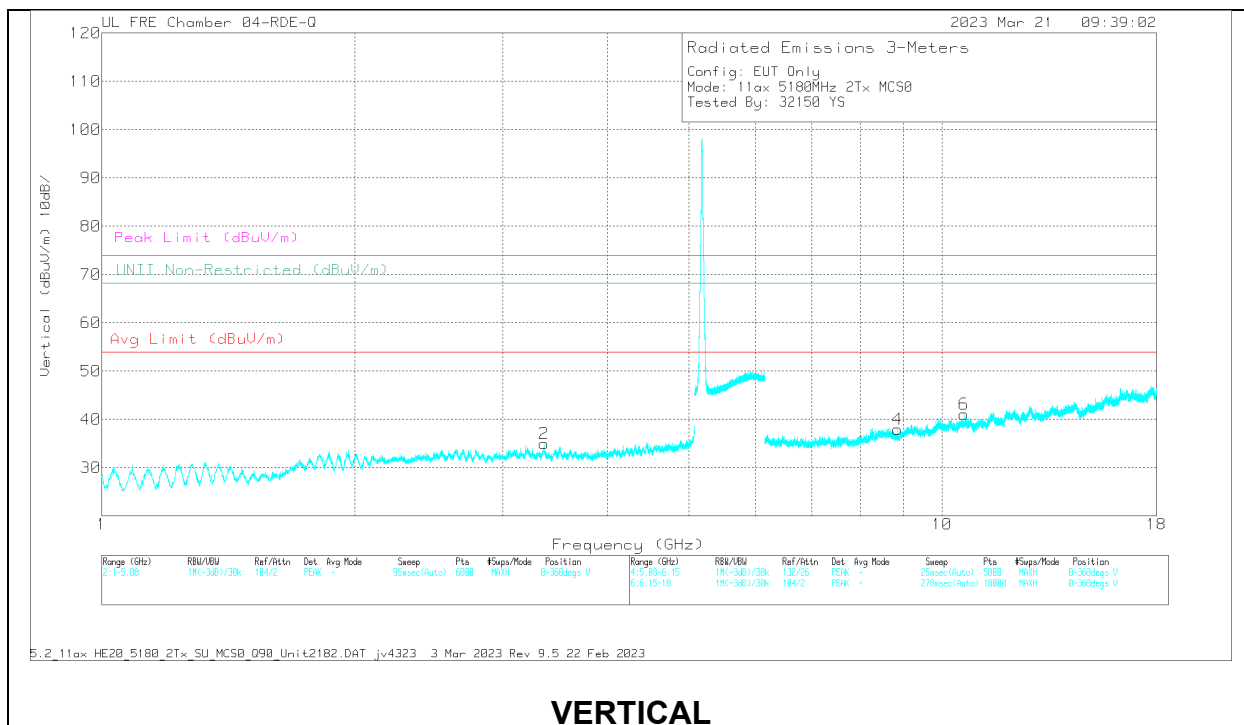
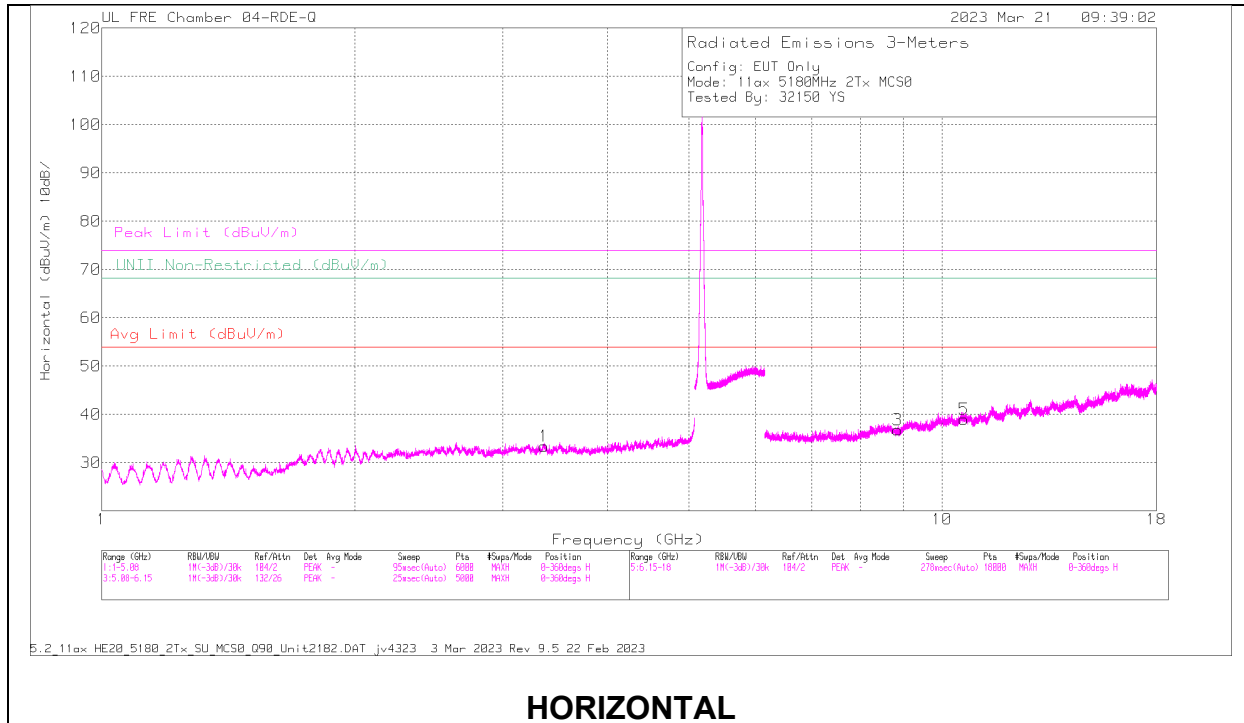
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	65.78	Pk	34.3	0	-39.9	60.18	-	-	74	-13.82	138	123	V
2	* 5.149057	70.3	Pk	34.3	0	-39.9	64.7	-	-	74	-9.3	138	123	V
3	* 5.15	51.17	RMS	34.3	.57	-39.9	46.14	54	-7.86	-	-	138	123	V
4	* 5.148807	53.93	RMS	34.3	.57	-39.9	48.90	54	-5.10	-	-	138	123	V

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

Pk - Peak detector

RMS - RMS detection

2.1.9. 5.2GHz, 11ax HE20 SU 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

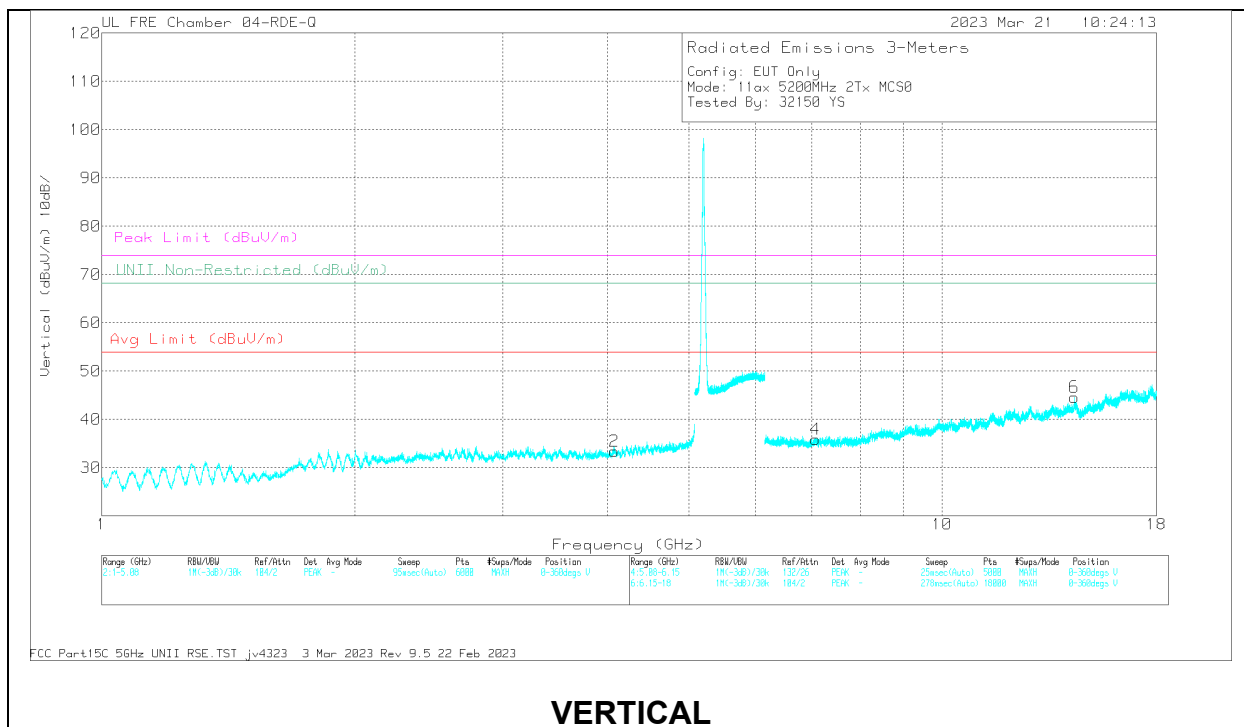
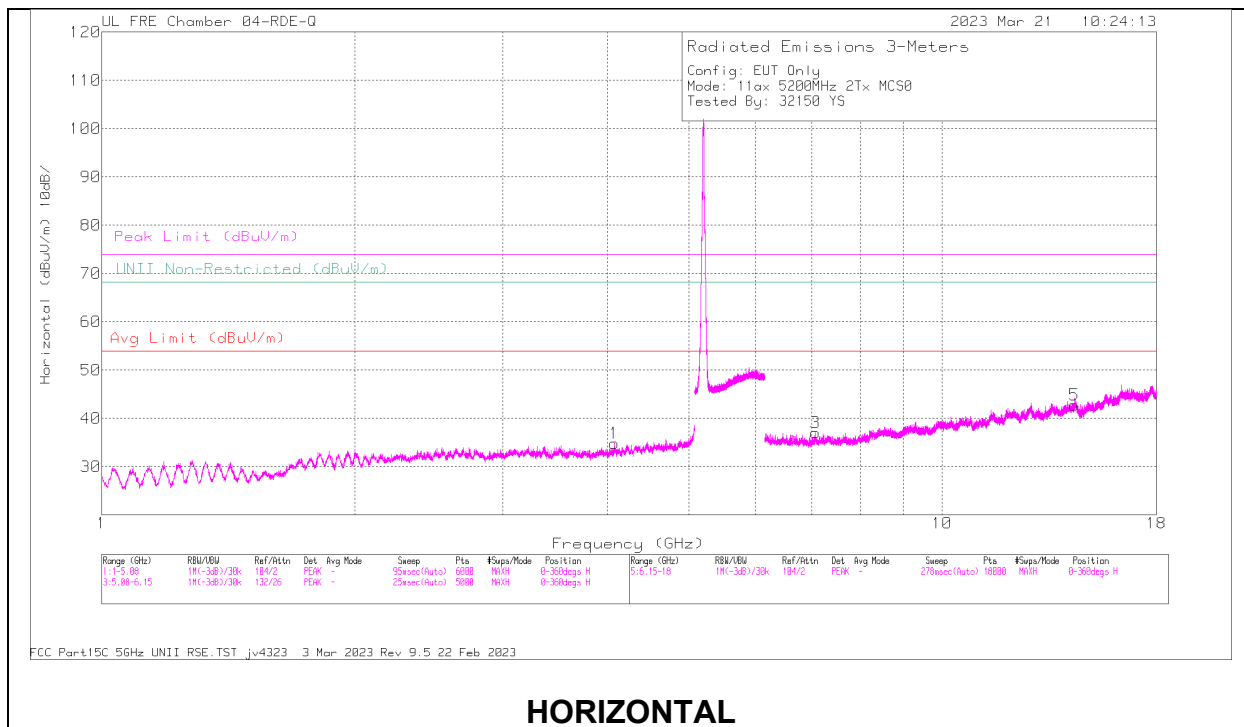
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 10.631153	56.24	PK-U	37.7	-44.94	49	-	-	74	-25	-	-	137	159	H
5	* 10.632723	45.11	ADR	37.7	-44.89	37.92	54	-16.08	-	-	-	-	137	159	H
6	* 10.63349	56.94	PK-U	37.7	-44.88	49.76	-	-	74	-24.24	-	-	227	234	V
6	* 10.630075	44.97	ADR	37.7	-44.89	37.78	54	-16.22	-	-	-	-	227	234	V
2	3.359598	58.01	PK-U	32.8	-46.04	44.77	-	-	-	-	68.2	-23.43	244	165	V
1	3.360382	56.8	PK-U	32.8	-46.08	43.52	-	-	-	-	68.2	-24.68	184	194	H
4	8.852498	54.83	PK-U	36.2	-44.13	46.9	-	-	-	-	68.2	-21.3	105	257	V
3	8.854571	55.69	PK-U	36.2	-44.11	47.78	-	-	-	-	68.2	-20.42	186	186	H

* - 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

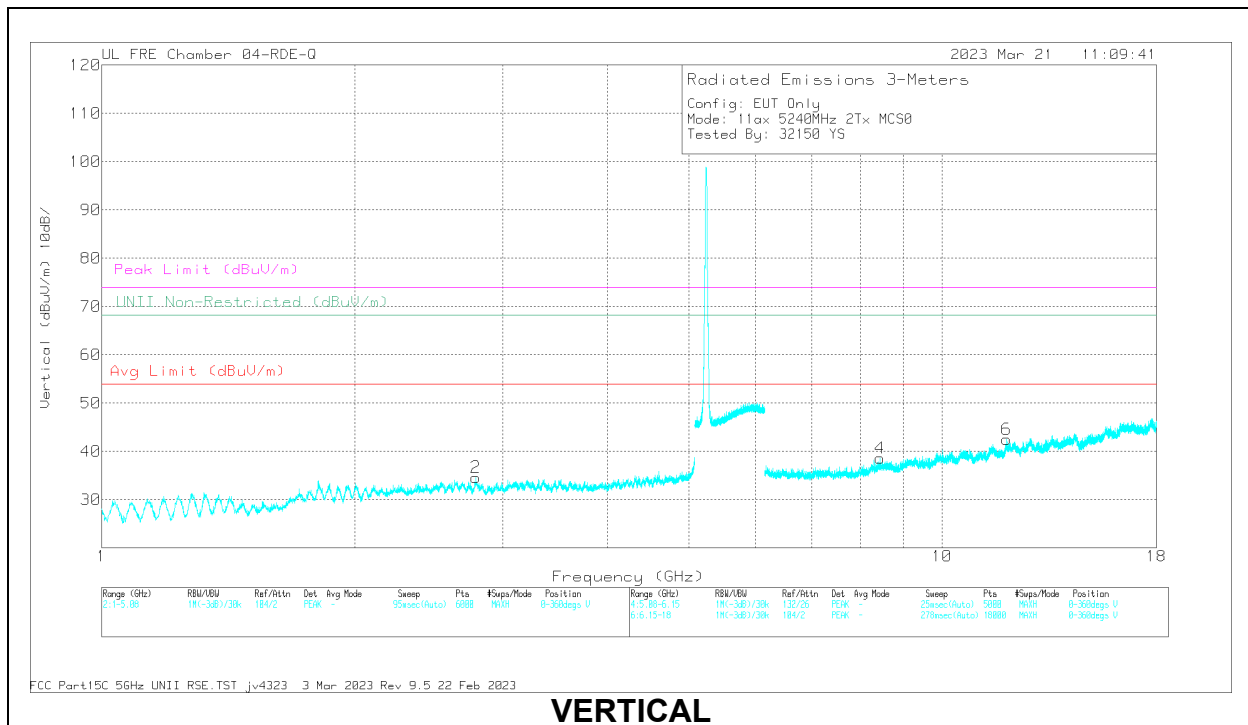
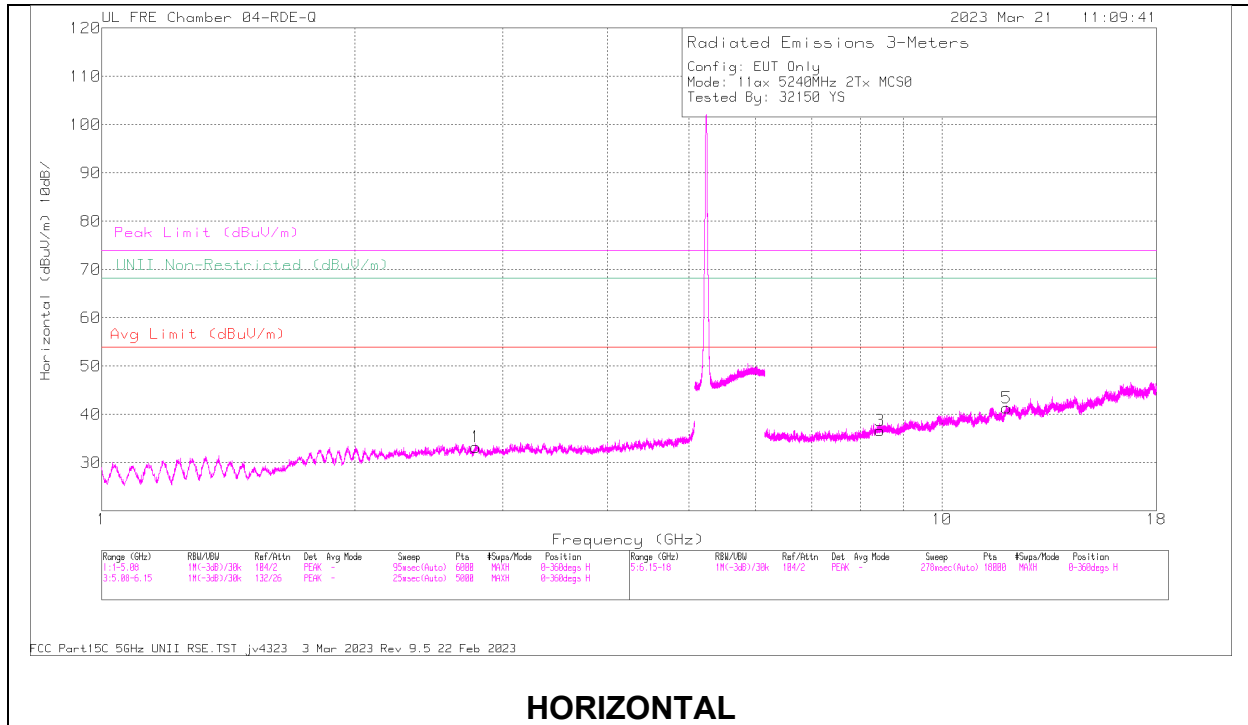
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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	* 4.077065	56.67	PK-U	33.4	-46.36	43.71	-	-	74	-30.29	-	-	166	212	H
1	* 4.076224	45.16	ADR	33.4	-46.38	32.18	54	-21.82	-	-	-	-	166	212	H
2	* 4.076268	56.76	PK-U	33.4	-46.38	43.78	-	-	74	-30.22	-	-	72	277	V
2	* 4.075214	45.15	ADR	33.4	-46.4	32.15	54	-21.85	-	-	-	-	72	277	V
3	7.068013	54.56	PK-U	35.6	-43.91	46.25	-	-	-	-	68.2	-21.95	154	180	H
4	7.068122	54.8	PK-U	35.6	-43.91	46.49	-	-	-	-	68.2	-21.71	216	248	V
6	14.371384	56.37	PK-U	39.4	-43.26	52.51	-	-	-	-	68.2	-15.69	312	141	V
5	14.372055	56.7	PK-U	39.4	-43.22	52.88	-	-	-	-	68.2	-15.32	126	209	H

* - 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

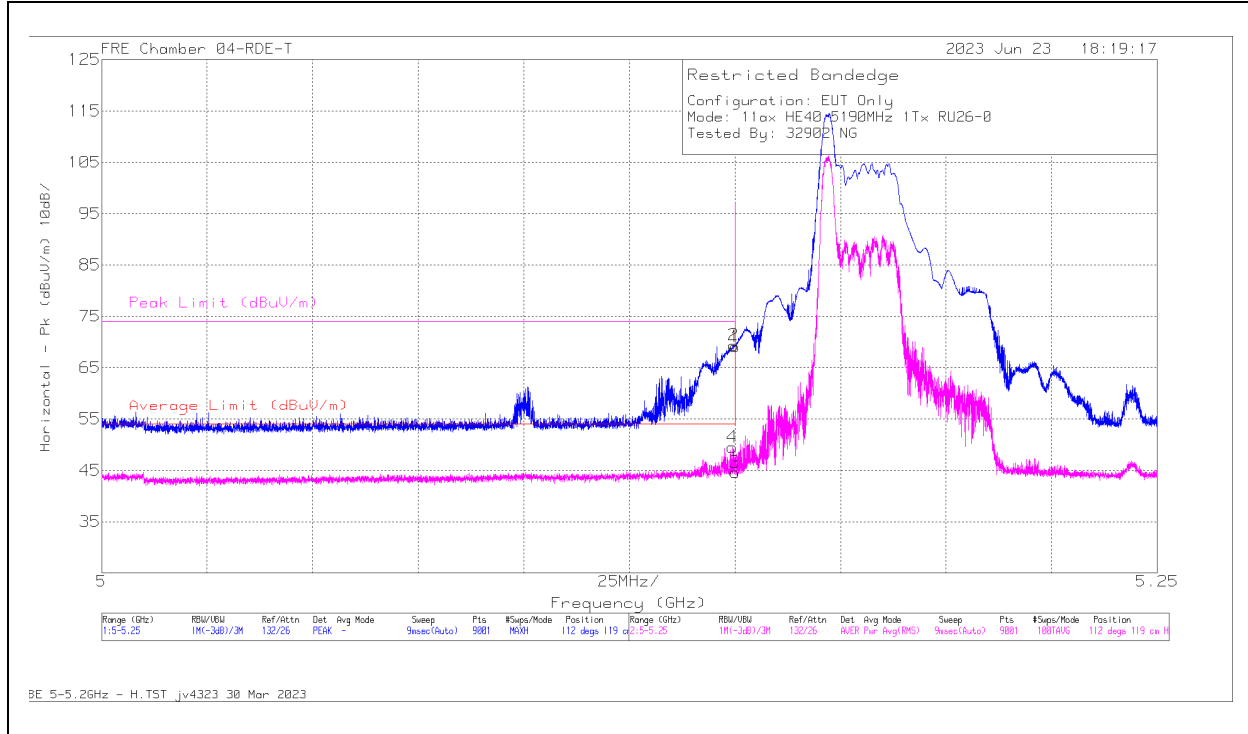
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.787837	58.39	PK-U	32.3	-46.96	43.73	-	-	74	-30.27	213	253	H
1	* 2.789048	46.8	ADR	32.3	-47.02	32.08	54	-21.92	-	-	213	253	H
2	* 2.786079	58.28	PK-U	32.3	-47.02	43.56	-	-	74	-30.44	245	327	V
2	* 2.787042	47.1	ADR	32.3	-46.99	32.41	54	-21.59	-	-	245	327	V
3	* 8.435045	55.4	PK-U	35.9	-43.65	47.65	-	-	74	-26.35	273	100	H
3	* 8.436052	43.76	ADR	35.9	-43.63	36.03	54	-17.97	-	-	273	100	H
5	* 11.934677	54.33	PK-U	38.8	-42.36	50.77	-	-	74	-23.23	312	246	H
5	* 11.935792	42.97	ADR	38.8	-42.35	39.42	54	-14.58	-	-	312	246	H
4	* 8.434198	55.37	PK-U	35.9	-43.69	47.58	-	-	74	-26.42	222	179	V
4	* 8.432725	43.71	ADR	35.9	-43.67	35.94	54	-18.06	-	-	222	179	V
6	* 11.934743	54.52	PK-U	38.8	-42.36	50.96	-	-	74	-23.04	139	332	V
6	* 11.934555	42.79	ADR	38.8	-42.36	39.23	54	-14.77	-	-	139	332	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

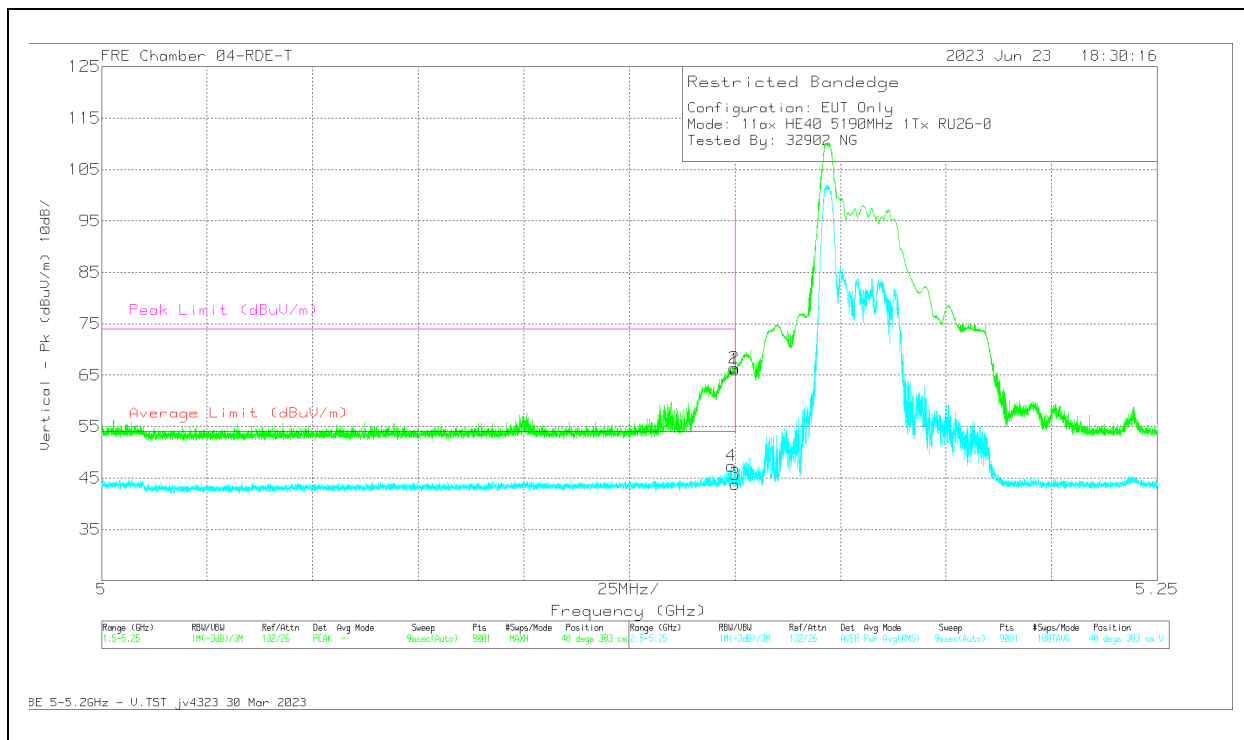
2.1.10. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.2GHz BAND**1TX Antenna 6 MODE: 26-Tones, RU Index 0****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	70.79	Pk	34.2	0	-35.9	69.09	-	-	74	-4.91	112	119	H
2	* 5.149696	71.09	Pk	34.2	0	-35.9	69.39	-	-	74	-4.61	112	119	H
3	* 5.15	45.85	RMS	34.2	.46	-35.9	44.61	54	-9.39	-	-	112	119	H
4	* 5.14939	50.77	RMS	34.2	.46	-35.9	49.53	54	-4.47	-	-	112	119	H

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

Pk - Peak detector

RMS - RMS detection

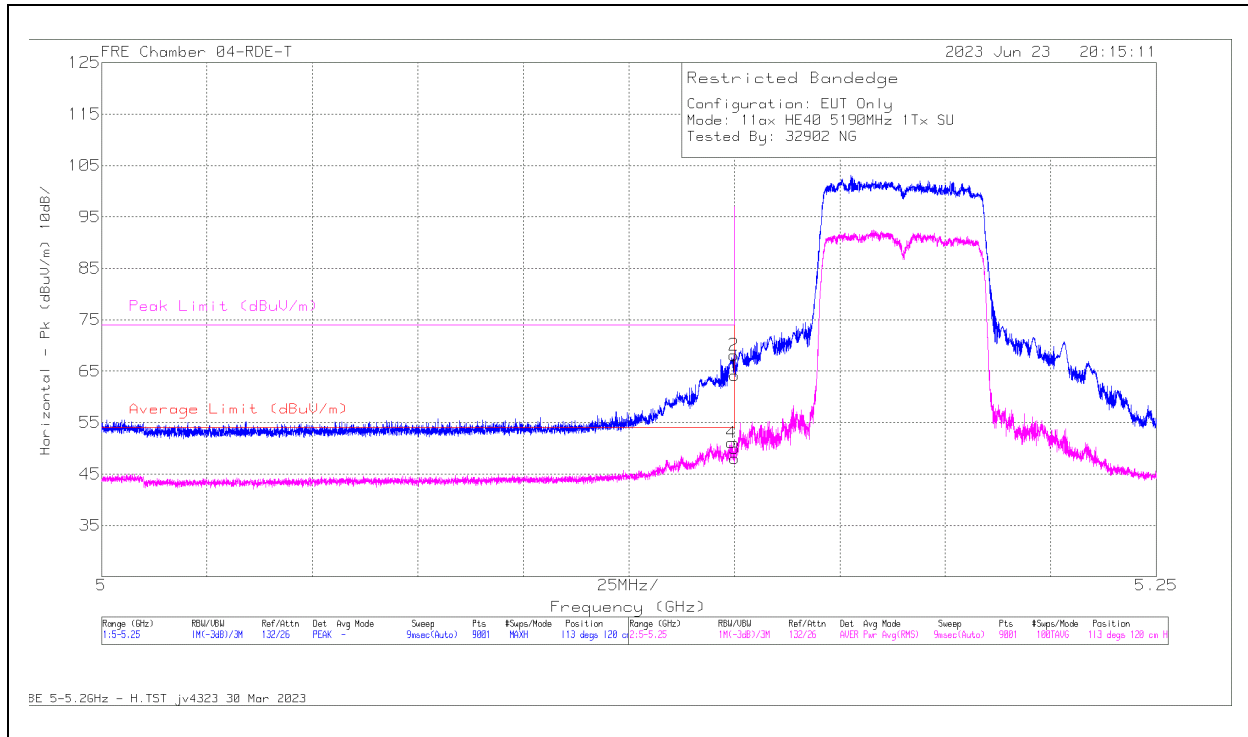
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	67.8	Pk	34.2	0	-35.9	66.1	-	-	74	-7.9	48	383	V
2	* 5.149835	68.08	Pk	34.2	0	-35.9	66.38	-	-	74	-7.62	48	383	V
3	* 5.15	45.03	RMS	34.2	.46	-35.9	43.79	54	-10.21	-	-	48	383	V
4	* 5.149168	48.62	RMS	34.2	.46	-35.9	47.38	54	-6.62	-	-	48	383	V

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

Pk - Peak detector

RMS - RMS detection

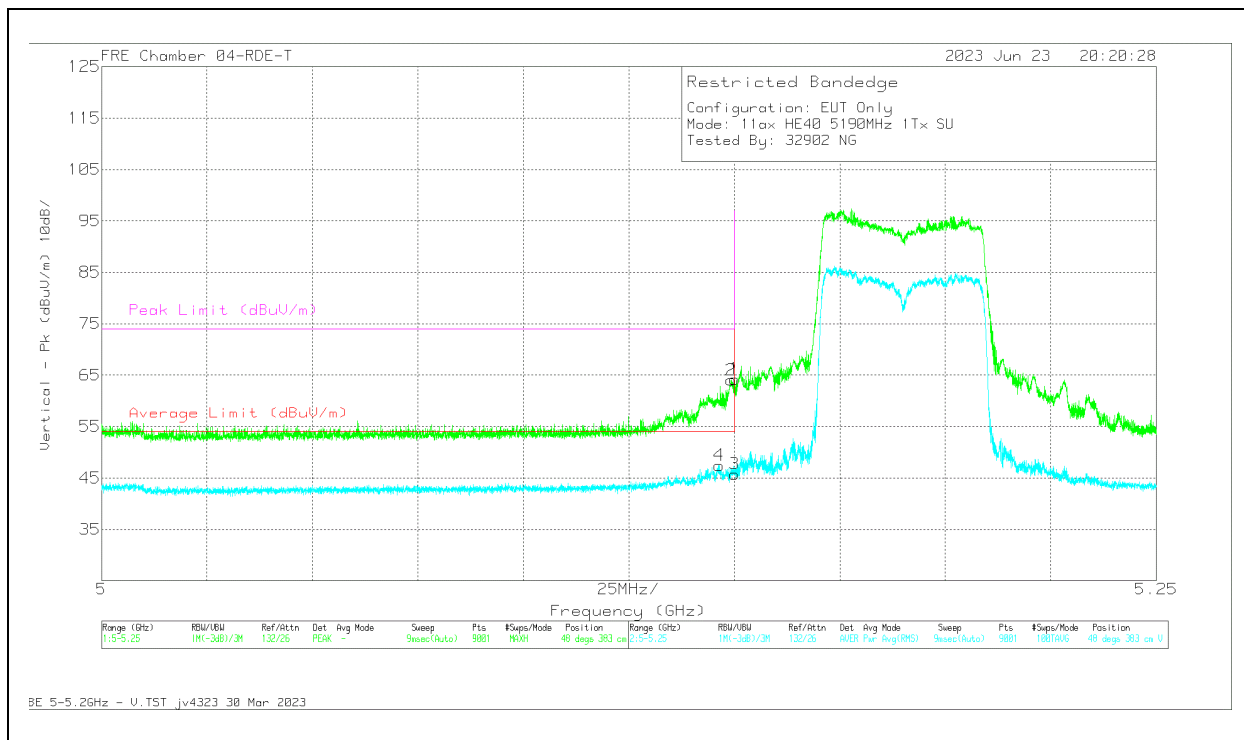
1TX Antenna 6 MODE: SU, Single User**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	65.88	Pk	34.2	0	-35.9	64.18	-	-	74	-9.82	113	120	H
2	* 5.149918	69.81	Pk	34.2	0	-35.9	68.11	-	-	74	-5.89	113	120	H
3	* 5.15	48.94	RMS	34.2	.80	-35.9	48.04	54	-5.96	-	-	113	120	H
4	* 5.149279	51.97	RMS	34.2	.80	-35.9	51.07	54	-2.93	-	-	113	120	H

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

Pk - Peak detector

RMS - RMS detection

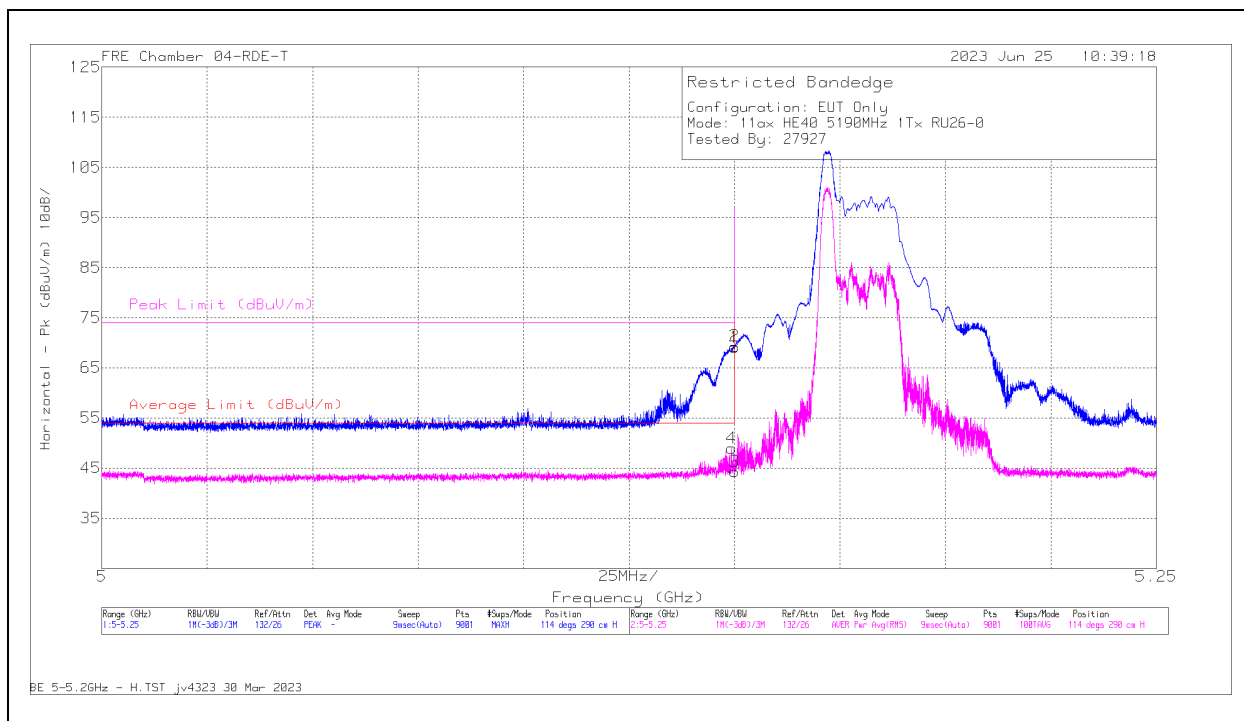
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	65.94	Pk	34.2		-35.9	64.24	-	-	74	-9.76	48	383	V
2	* 5.149251	65.76	Pk	34.2		-35.9	64.06	-	-	74	-9.94	48	383	V
3	* 5.15	47.48	RMS	34.2	.80	-35.9	46.58	54	-7.42	-	-	48	383	V
4	* 5.146418	49.2	RMS	34.2	.80	-35.94	48.26	54	-5.74	-	-	48	383	V

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

Pk - Peak detector

RMS - RMS detection

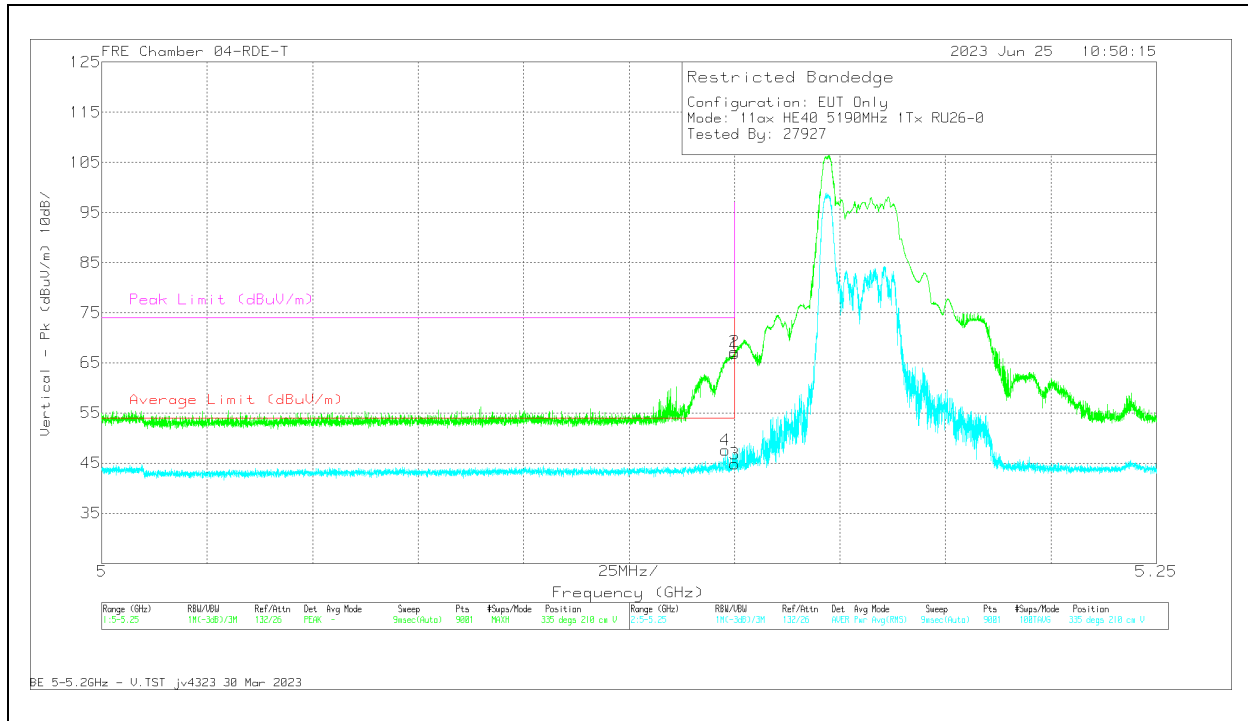
1TX Antenna 5 MODE: 26-Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	70.78	Pk	34.2	0	-35.9	69.08	-	-	74	-4.92	114	290	H
2	* 5.149973	71	Pk	34.2	0	-35.9	69.3	-	-	74	-4.7	114	290	H
3	* 5.15	45.63	RMS	34.2	.46	-35.9	44.39	54	-9.61	-	-	114	290	H
4	* 5.149335	50.26	RMS	34.2	.46	-35.9	49.02	54	-4.98	-	-	114	290	H

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

Pk - Peak detector

RMS - RMS detection

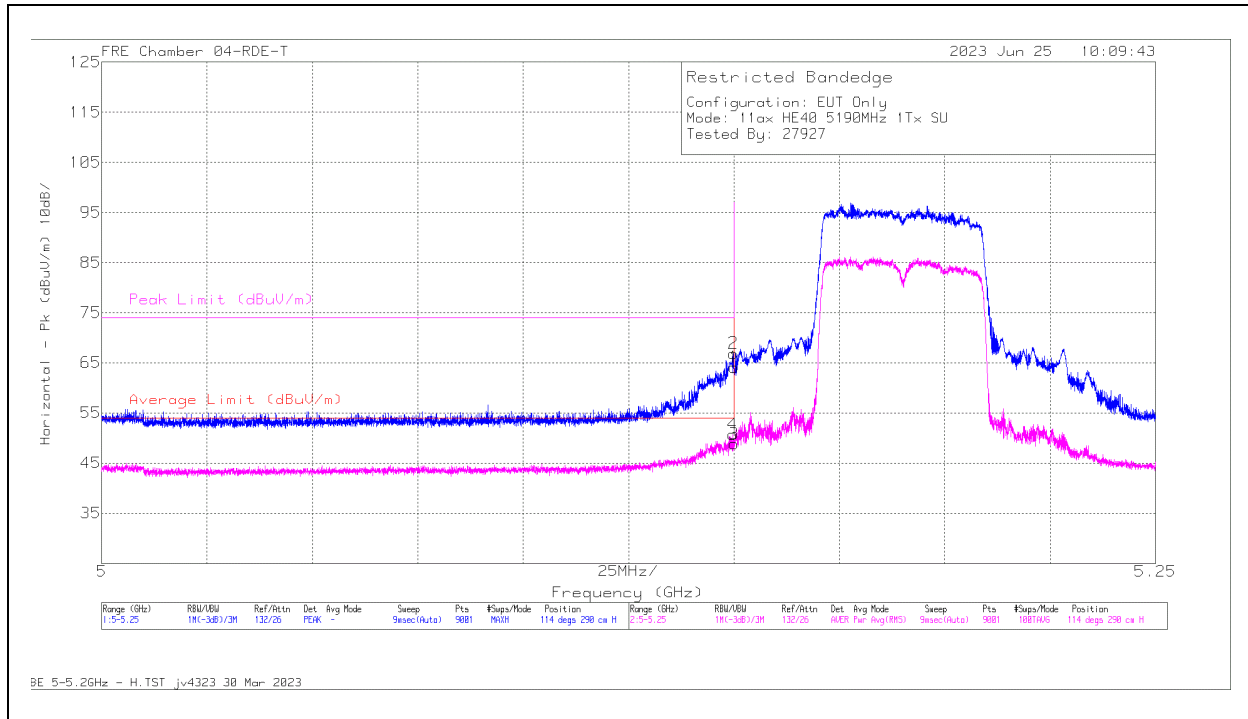
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	68.51	Pk	34.2	0	-35.9	66.81	-	-	74	-7.19	335	210	V
2	* 5.149973	68.95	Pk	34.2	0	-35.9	67.25	-	-	74	-6.75	335	210	V
3	* 5.15	46.04	RMS	34.2	.46	-35.9	44.80	54	-9.20	-	-	335	210	V
4	* 5.147779	48.87	RMS	34.2	.46	-35.91	47.60	54	-6.40	-	-	335	210	V

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

Pk - Peak detector

RMS - RMS detection

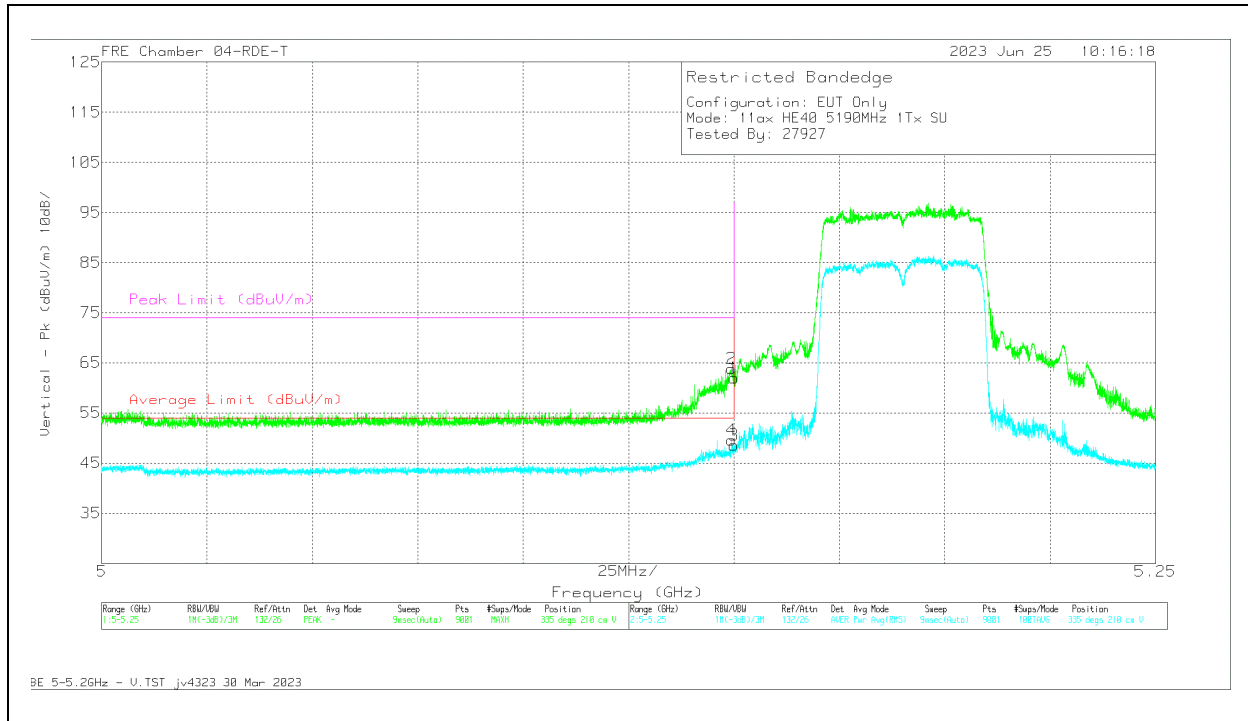
1TX Antenna 5 MODE: SU, Single User**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	65.85	Pk	34.2	0	-35.9	64.15	-	-	74	-9.85	114	290	H
2	* 5.149835	68.62	Pk	34.2	0	-35.9	66.92	-	-	74	-7.08	114	290	H
3	* 5.15	49.71	RMS	34.2	.80	-35.9	48.81	54	-5.19	-	-	114	290	H
4	* 5.149723	51.64	RMS	34.2	.80	-35.9	50.70	54	-3.30	-	-	114	290	H

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

Pk - Peak detector

RMS - RMS detection

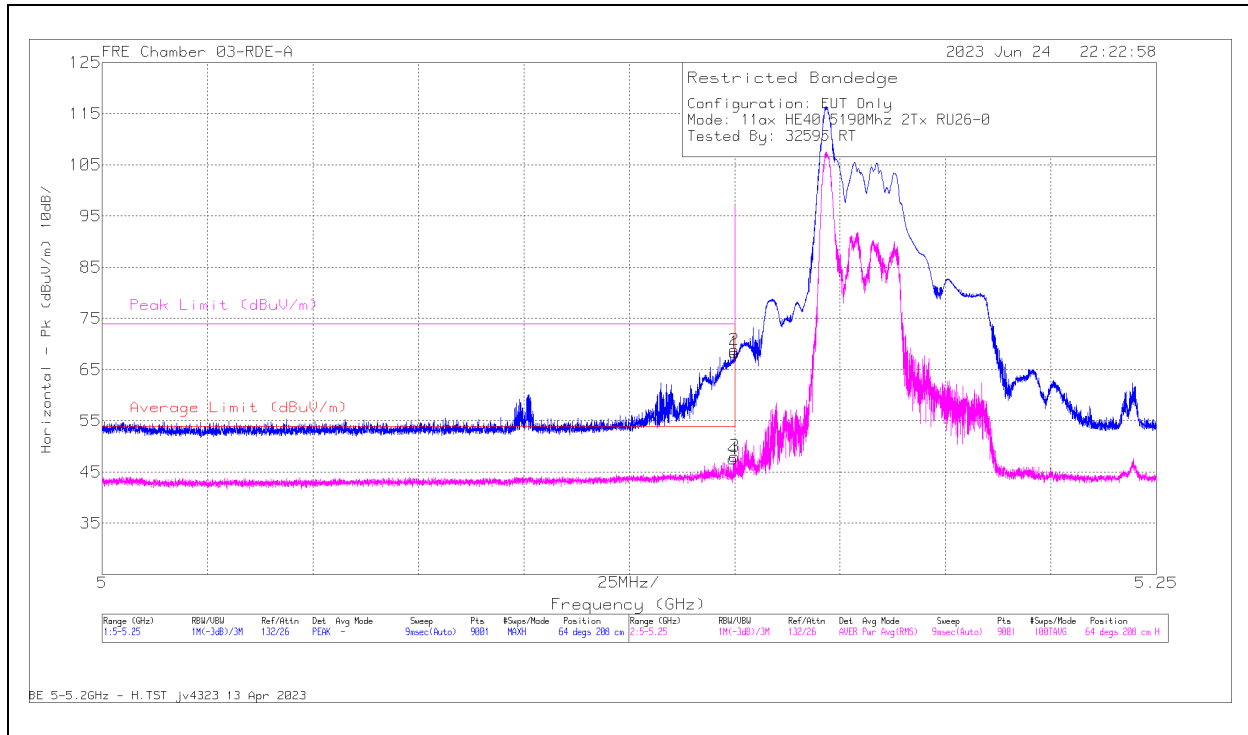
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	63.66	Pk	34.2	0	-35.9	61.96	-	-	74	-12.04	335	210	V
2	* 5.149418	65.53	Pk	34.2	0	-35.9	63.83	-	-	74	-10.17	335	210	V
3	* 5.15	49.5	RMS	34.2	.80	-35.9	48.56	54	-5.44	-	-	335	210	V
4	* 5.149418	50.54	RMS	34.2	.80	-35.9	49.60	54	-4.40	-	-	335	210	V

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

Pk - Peak detector

RMS - RMS detection

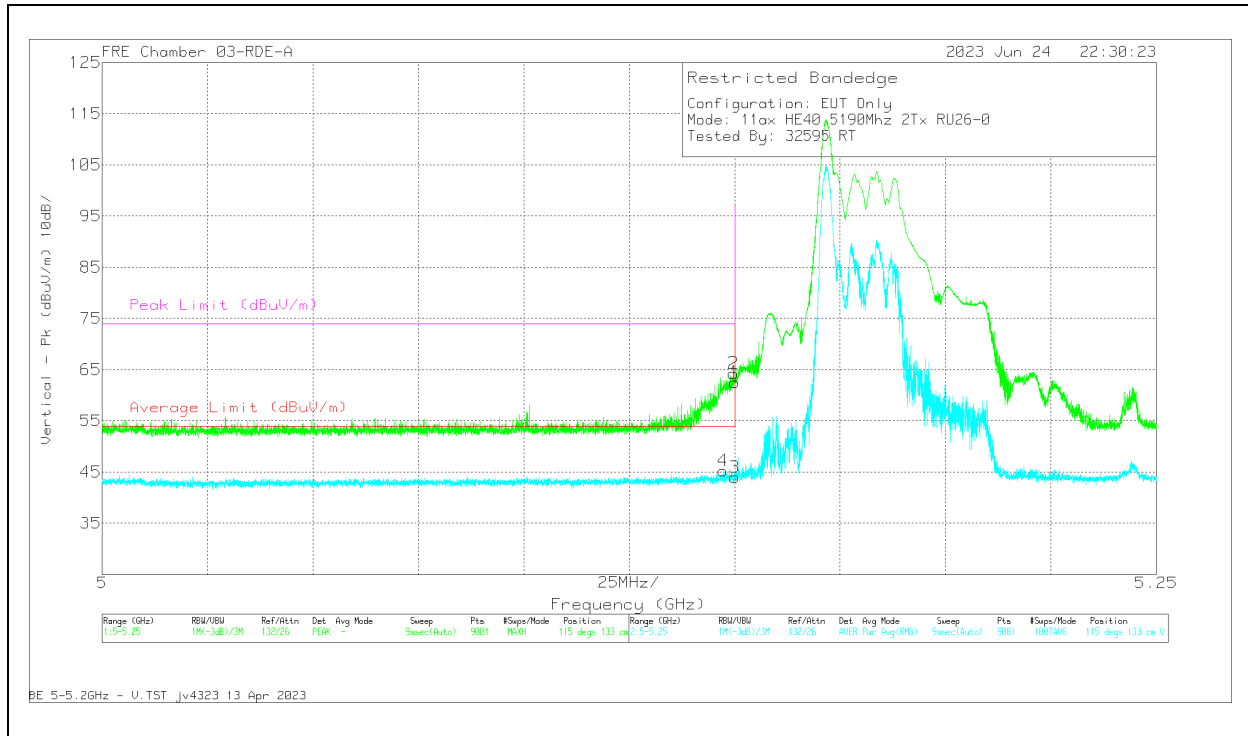
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	72.41	Pk	34.6	0	-38.69	68.32	-	-	74	-5.68	64	208	H
2	* 5.149946	72.97	Pk	34.6	0	-38.69	68.88	-	-	74	-5.12	64	208	H
3	* 5.15	51.67	RMS	34.6	.46	-38.69	48.04	54	-5.96	-	-	64	208	H
4	* 5.149585	51.18	RMS	34.6	.46	-38.7	47.54	54	-6.46	-	-	64	208	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	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	66.63	Pk	34.6	0	-38.69	62.54	-	-	74	-11.46	115	133	V
2	* 5.149696	68.35	Pk	34.6	0	-38.7	64.25	-	-	74	-9.75	115	133	V
3	* 5.15	47.58	RMS	34.6	.46	-38.69	43.95	54	-10.05	-	-	115	133	V
4	* 5.147196	48.95	RMS	34.6	.46	-38.77	45.24	54	-8.76	-	-	115	133	V

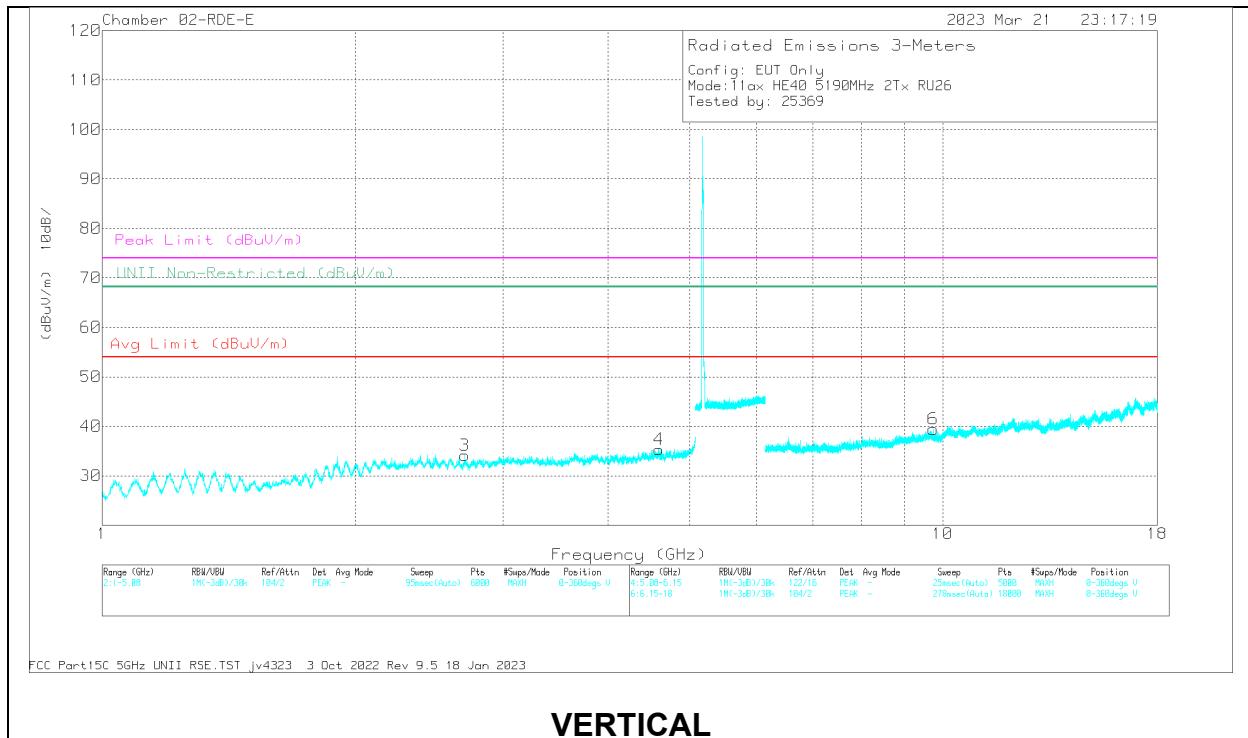
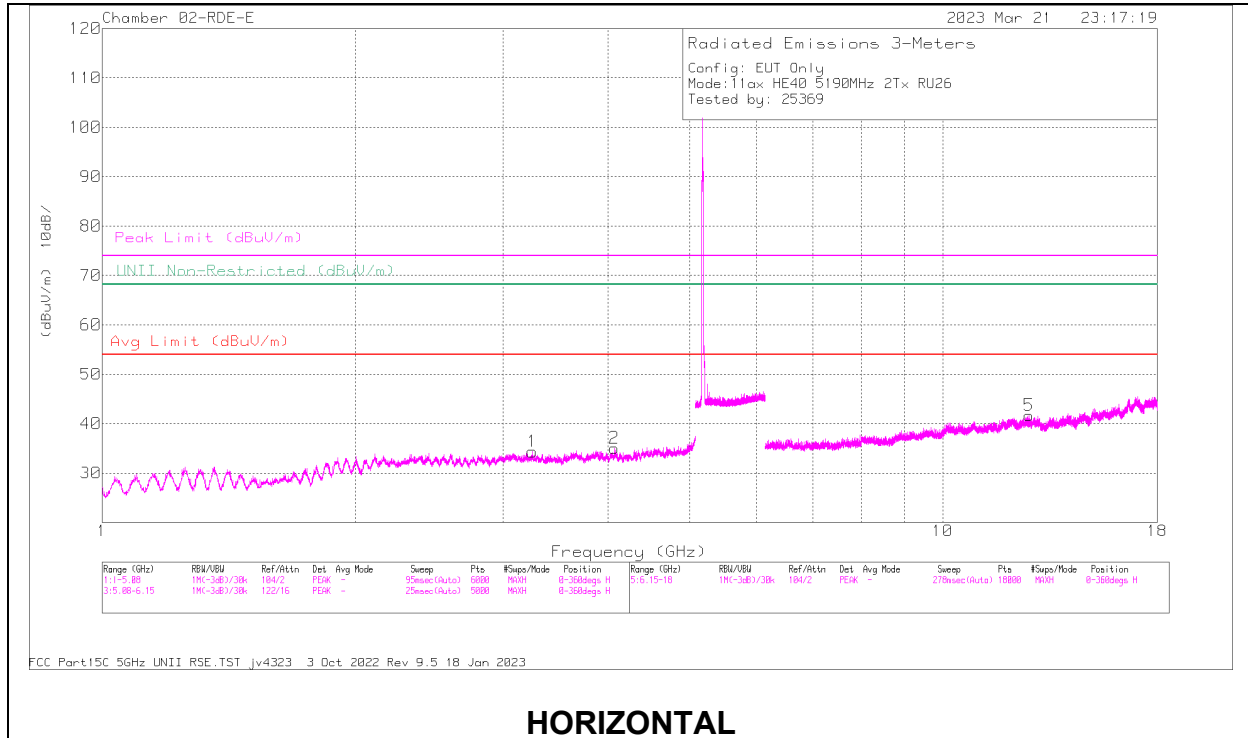
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2.1.11. 5.2GHz, 11ax HE40 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



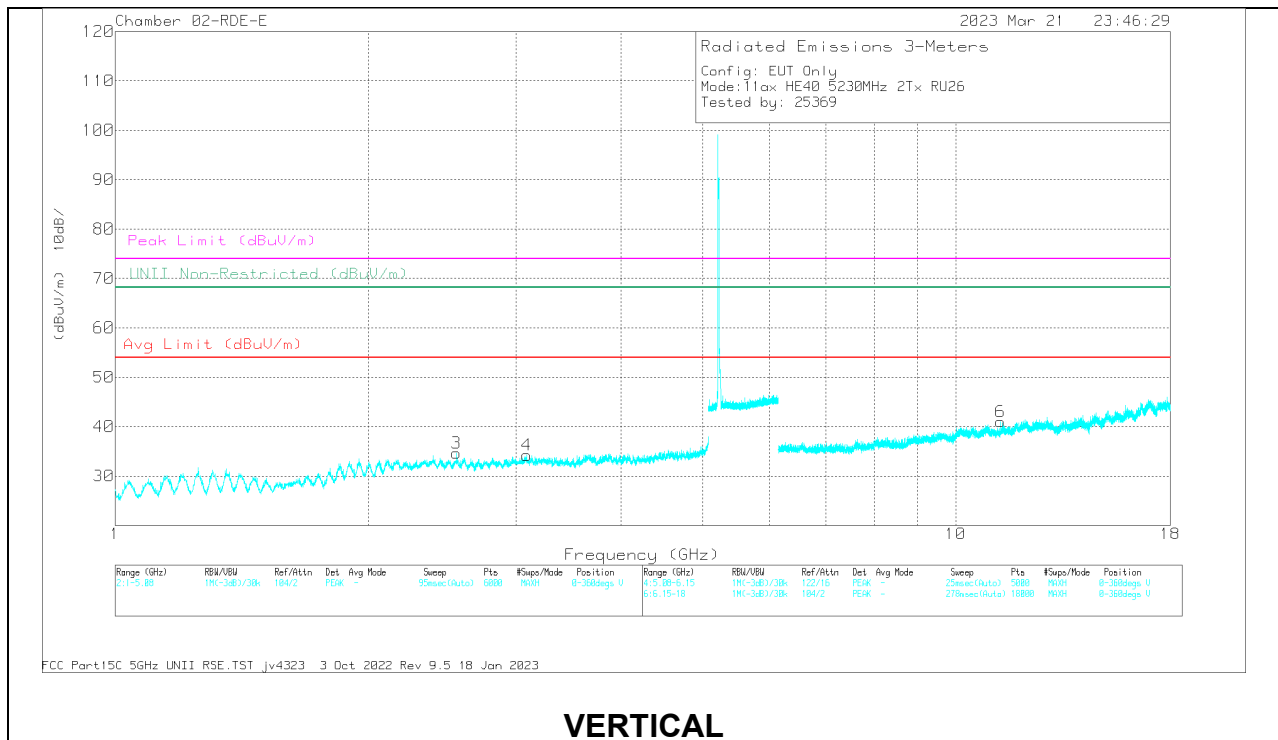
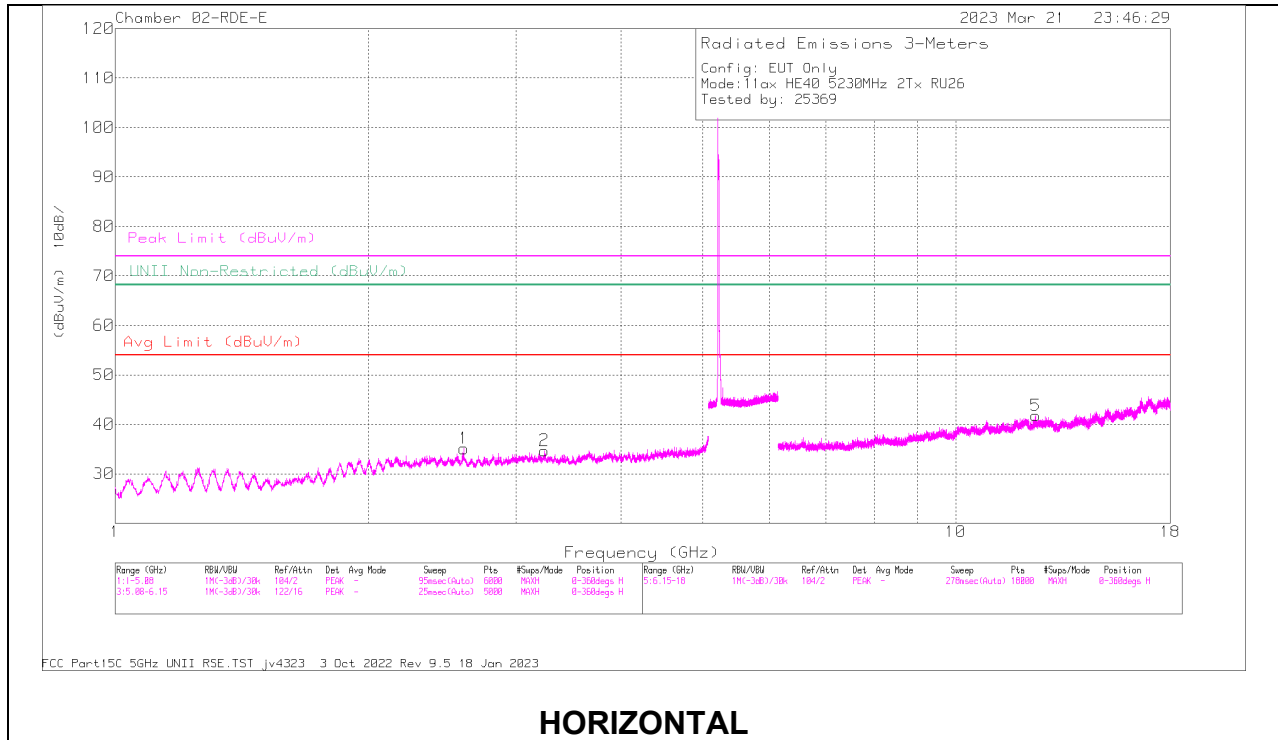
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (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
2	* 4.066117	56.27	PK-U	33.5	-46.07	43.7	-	-	74	-30.3	-	-	360	200	H
	* 4.067366	44.66	ADR	33.5	-46.07	32.09	54	-21.91	-	-	-	-	360	200	H
3	* 2.696336	60.09	PK-U	32.1	-48.84	43.35	-	-	74	-30.65	-	-	360	200	V
	* 2.698692	48.16	ADR	32.1	-48.86	31.4	54	-22.60	-	-	-	-	360	200	V
4	* 4.595048	57.12	PK-U	34.1	-46.59	44.63	-	-	74	-29.37	-	-	360	200	V
	* 4.596077	45.8	ADR	34.1	-46.57	33.33	54	-20.67	-	-	-	-	360	200	V
5	* 12.660777	54.58	PK-U	38.9	-42.75	50.73	-	-	74	-23.27	-	-	360	101	H
	* 12.66074	42.93	ADR	38.9	-42.75	39.08	54	-14.92	-	-	-	-	360	101	H
1	3.247866	57.95	PK-U	33	-46.95	44	-	-	-	-	68.2	-24.2	360	200	H
	3.248605	45.98	ADR	33	-46.96	32.02	-	-	-	-	-	-	360	200	H
6	9.745783	56.04	PK-U	36.9	-44.93	48.01	-	-	-	-	68.2	-20.19	360	101	V
	9.745815	44.7	ADR	36.9	-44.93	36.67	-	-	-	-	-	-	360	101	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

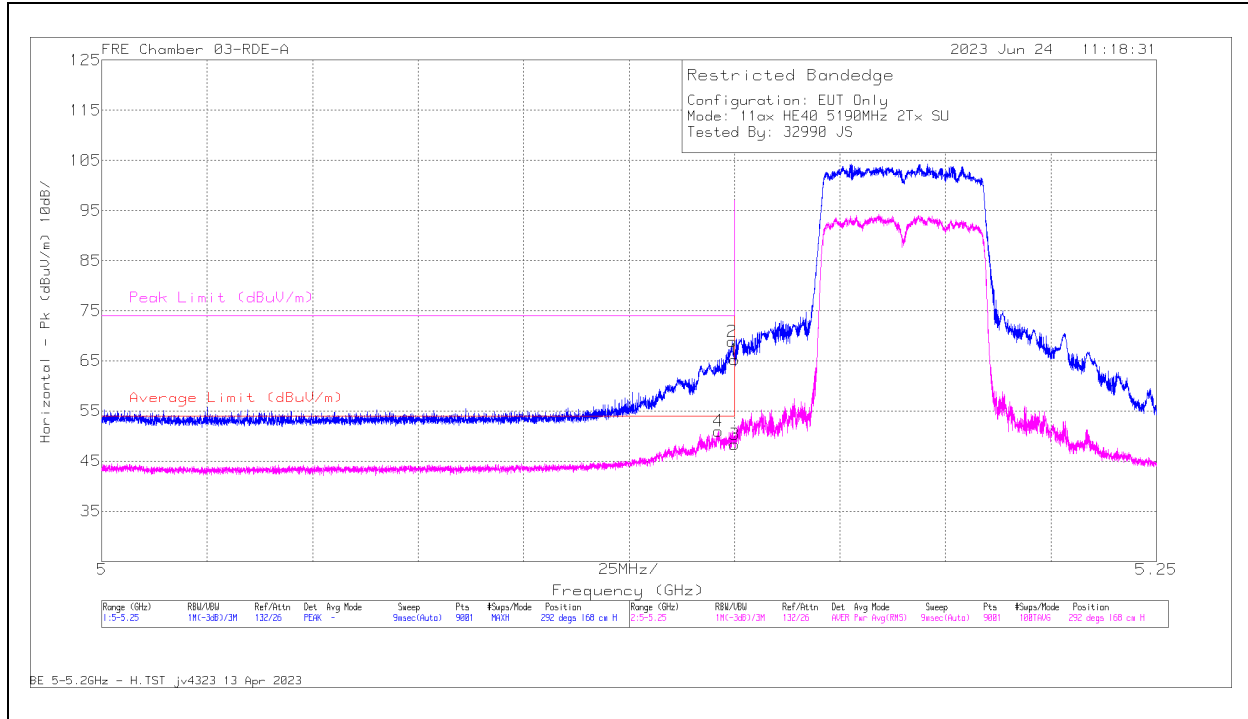
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 12.451662	54.08	PK-U	38.9	-42.6	50.38	-	-	74	-23.62	-	-	0	200	H
	* 12.454607	42.53	ADR	38.9	-42.59	38.38	54	-15.62	-	-	-	-	0	200	H
6	* 11.310032	52.97	PK-U	38.1	-42.42	48.65	-	-	74	-25.35	-	-	0	101	V
	* 11.310015	41.62	ADR	38.1	-42.42	36.84	54	-16.16	-	-	-	-	0	101	V
3	2.544723	48.35	ADR	32.5	-48.94	31.45	-	-	-	-	-	-	0	200	V
	2.548303	60.11	PK-U	32.5	-48.97	43.64	-	-	-	-	68.2	-24.56	0	200	V
1	2.598803	59.94	PK-U	32.3	-48.67	43.57	-	-	-	-	68.2	-24.63	0	200	H
	2.599563	48.25	ADR	32.3	-48.65	31.44	-	-	-	-	-	-	0	200	H
4	3.085474	46.51	ADR	33.1	-47.44	31.71	-	-	-	-	-	-	0	101	V
	3.085507	58.49	PK-U	33.1	-47.44	44.15	-	-	-	-	68.2	-24.05	0	101	V
2	3.238746	46.23	ADR	33	-47.02	31.75	-	-	-	-	-	-	0	200	H
	3.240638	57.81	PK-U	33	-47	43.81	-	-	-	-	68.2	-24.39	0	200	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

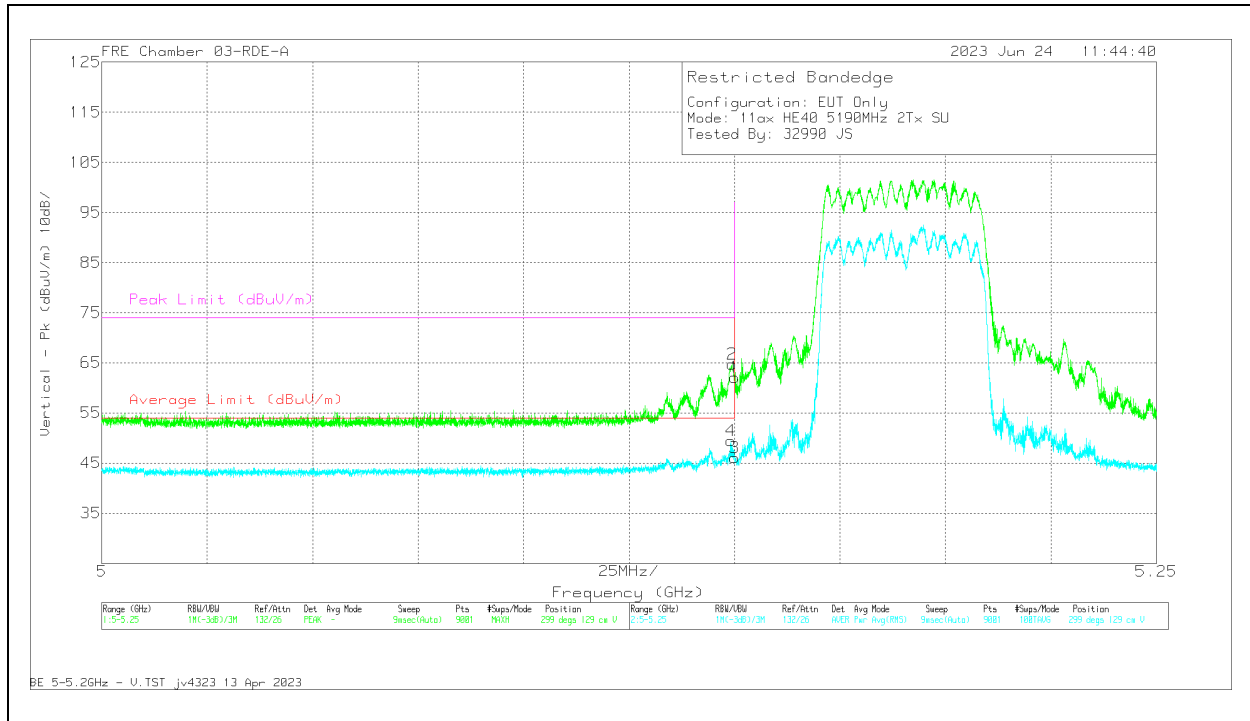
2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	69.32	Pk	34.6	0	-38.69	65.23	-	-	74	-8.77	292	168	H
2	* 5.149418	73.02	Pk	34.6	0	-38.71	68.91	-	-	74	-5.09	292	168	H
3	* 5.15	51.62	RMS	34.6	.80	-38.69	48.33	54	-5.67	-	-	292	168	H
4	* 5.14614	54.38	RMS	34.6	.80	-38.79	50.99	54	-3.01	-	-	292	168	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	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	66.18	Pk	34.6	0	-38.69	62.09	-	-	74	-11.91	299	129	V
2	* 5.149418	68.8	Pk	34.6	0	-38.71	64.69	-	-	74	-9.31	299	129	V
3	* 5.15	49.34	RMS	34.6	.80	-38.69	46.05	54	-7.95	-	-	299	129	V
4	* 5.14914	52.73	RMS	34.6	.80	-38.72	49.41	54	-4.59	-	-	299	129	V

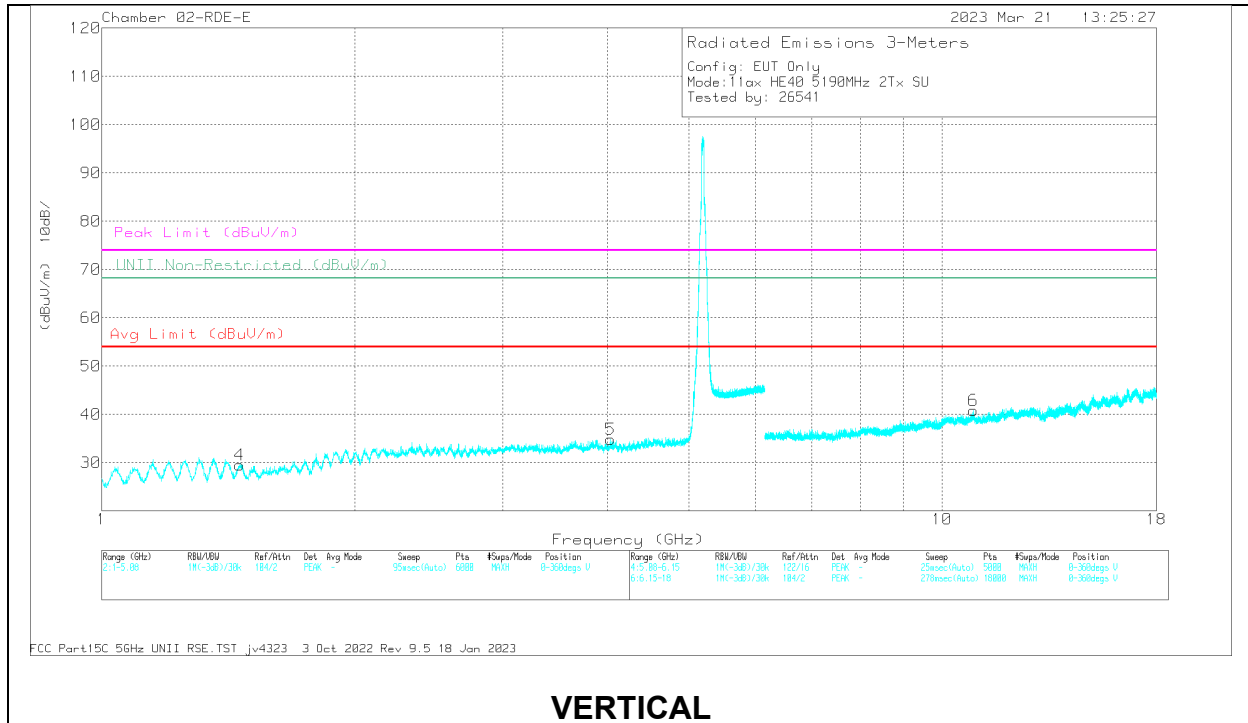
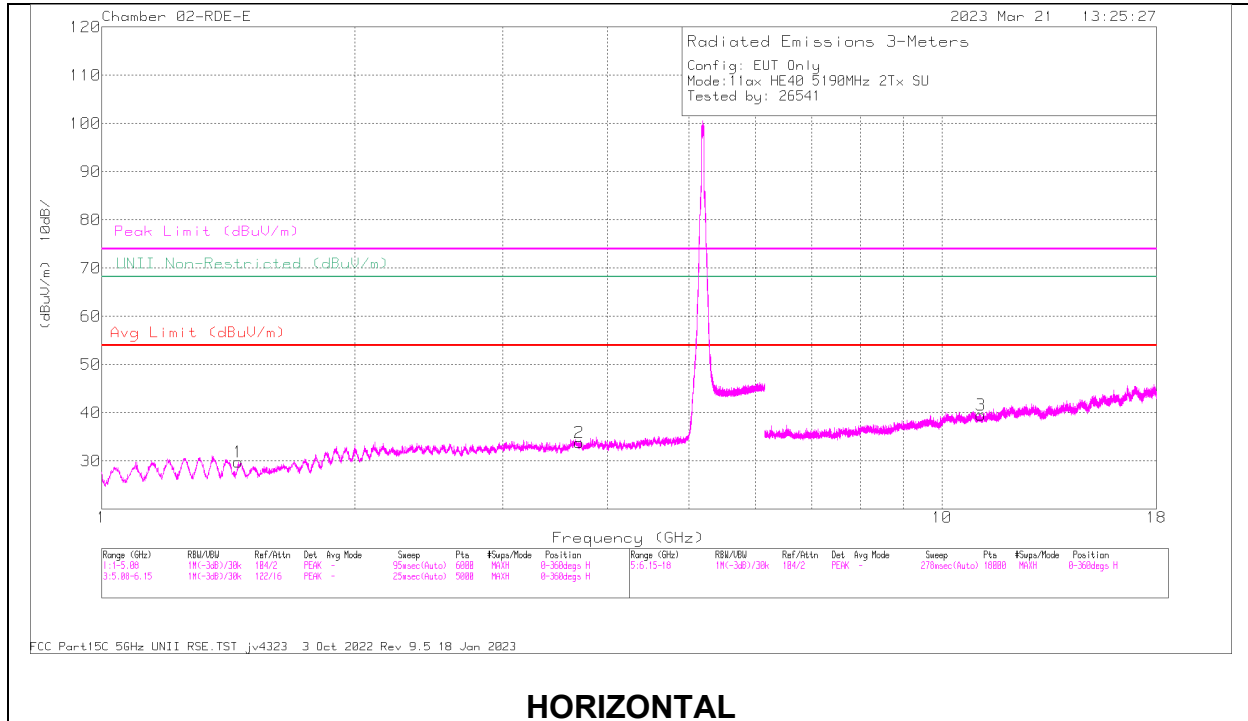
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2.1.12. 5.2GHz, 11ax HE40 SU 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



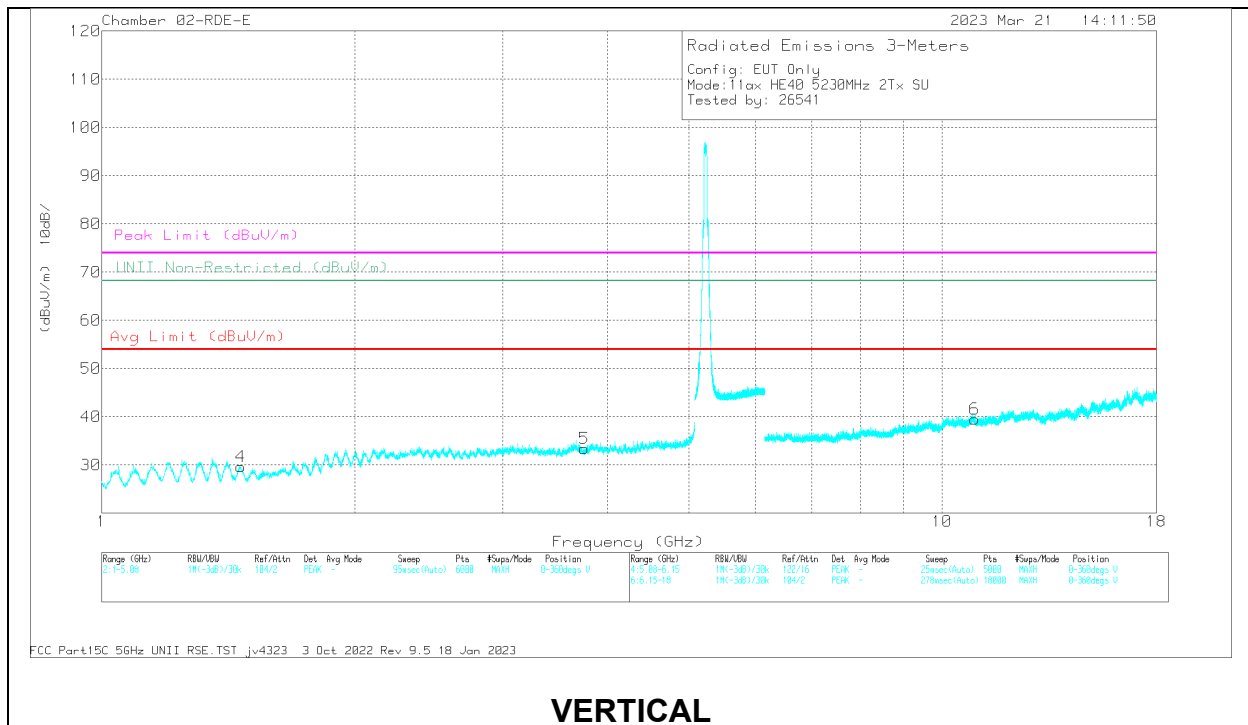
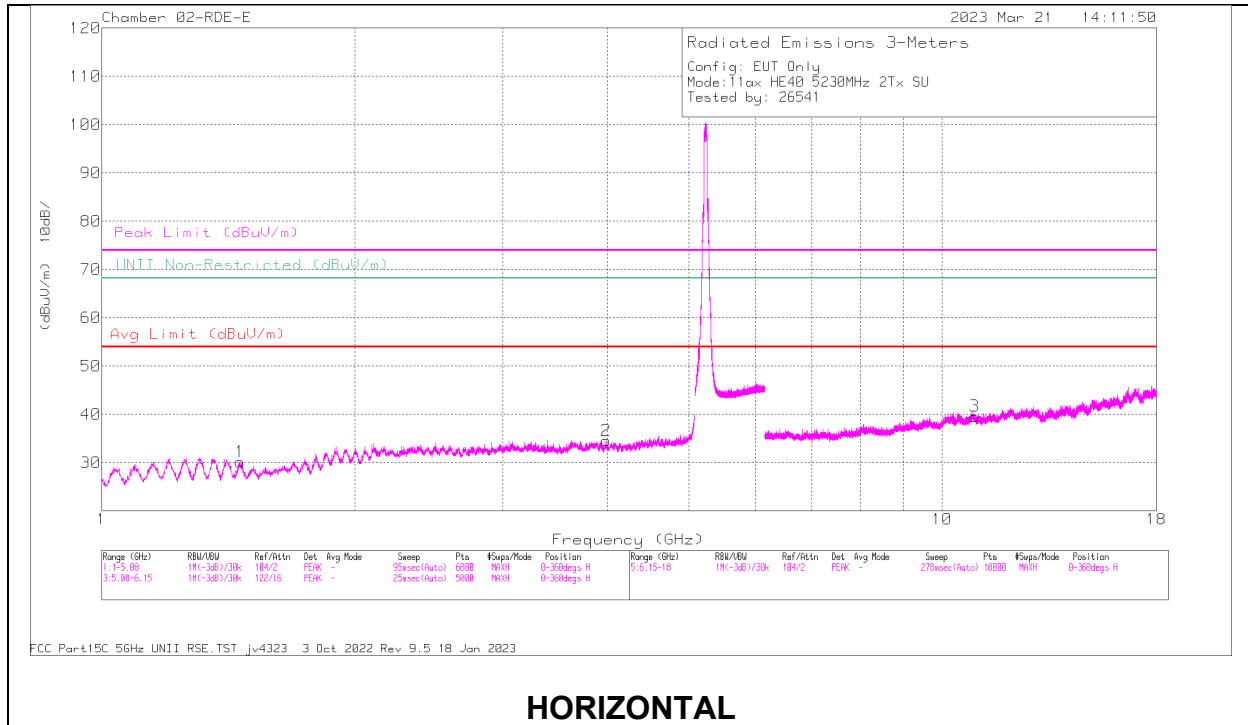
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.455195	59.69	PK-U	28.4	0	-48.98	39.11	-	-	74	-34.89	0	199	H
	* 1.456098	48.5	ADR	28.4	.13	-48.96	28.07	54	-25.93	-	-	0	199	H
2	* 3.698236	56.59	PK-U	33.5	0	-45.81	44.28	-	-	74	-29.72	0	101	H
	* 3.697706	44.33	ADR	33.5	.13	-45.82	32.14	54	-21.86	-	-	0	101	H
4	* 1.457275	61.06	PK-U	28.4	0	-48.95	40.51	-	-	74	-33.49	0	101	V
	* 1.45915	48.91	ADR	28.4	.13	-48.95	28.49	54	-25.51	-	-	0	101	V
5	* 4.03336	57.77	PK-U	33.4	0	-46.12	45.05	-	-	74	-28.95	0	199	V
	* 4.034902	45.21	ADR	33.4	.13	-46.1	32.64	54	-21.36	-	-	0	199	V
3	* 11.128465	53.36	PK-U	38	0	-42.09	49.27	-	-	74	-24.73	0	199	H
	* 11.126297	41.96	ADR	38	.13	-42.09	38	54	-16	-	-	0	199	H
6	* 10.901699	54.68	PK-U	37.8	0	-42.67	49.81	-	-	74	-24.19	0	199	V
	* 10.901972	42.94	ADR	37.8	.13	-42.67	38.2	54	-15.8	-	-	0	199	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

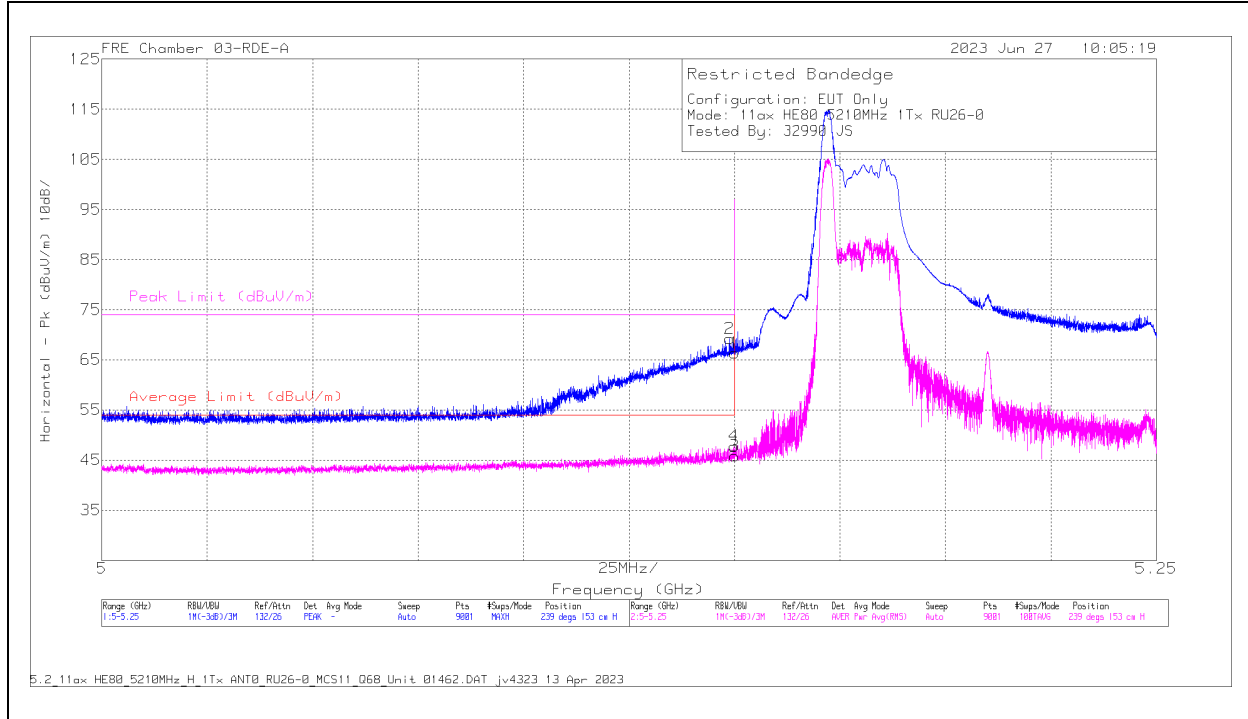
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.462094	60.68	PK-U	28.4	0	-48.97	40.11	-	-	74	-33.89	0	101	H
	* 1.46176	49.02	ADR	28.4	.13	-48.97	28.58	54	-25.42	-	-	0	101	H
2	* 3.983984	56.59	PK-U	33.5	0	-45.96	44.13	-	-	74	-29.87	0	101	H
	* 3.984342	44.76	ADR	33.5	.13	-45.96	32.43	54	-21.57	-	-	0	101	H
4	* 1.462433	61.13	PK-U	28.4	0	-48.96	40.57	-	-	74	-33.43	0	200	V
	* 1.46271	49.05	ADR	28.4	.13	-48.95	28.63	54	-25.37	-	-	0	200	V
5	* 3.750417	56.18	PK-U	33.3	0	-46.01	43.47	-	-	74	-30.53	0	200	V
	* 3.75139	44.33	ADR	33.3	.13	-46.02	31.74	54	-22.26	-	-	0	200	V
3	* 10.931729	54.23	PK-U	37.8	0	-42.65	49.38	-	-	74	-24.62	0	101	H
	* 10.929958	42.71	ADR	37.8	.13	-42.65	37.99	54	-16.01	-	-	0	101	H
6	* 10.938384	53.94	PK-U	37.8	0	-42.61	49.13	-	-	74	-24.87	0	101	V
	* 10.940402	42.43	ADR	37.8	.13	-42.6	37.76	54	-16.24	-	-	0	101	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

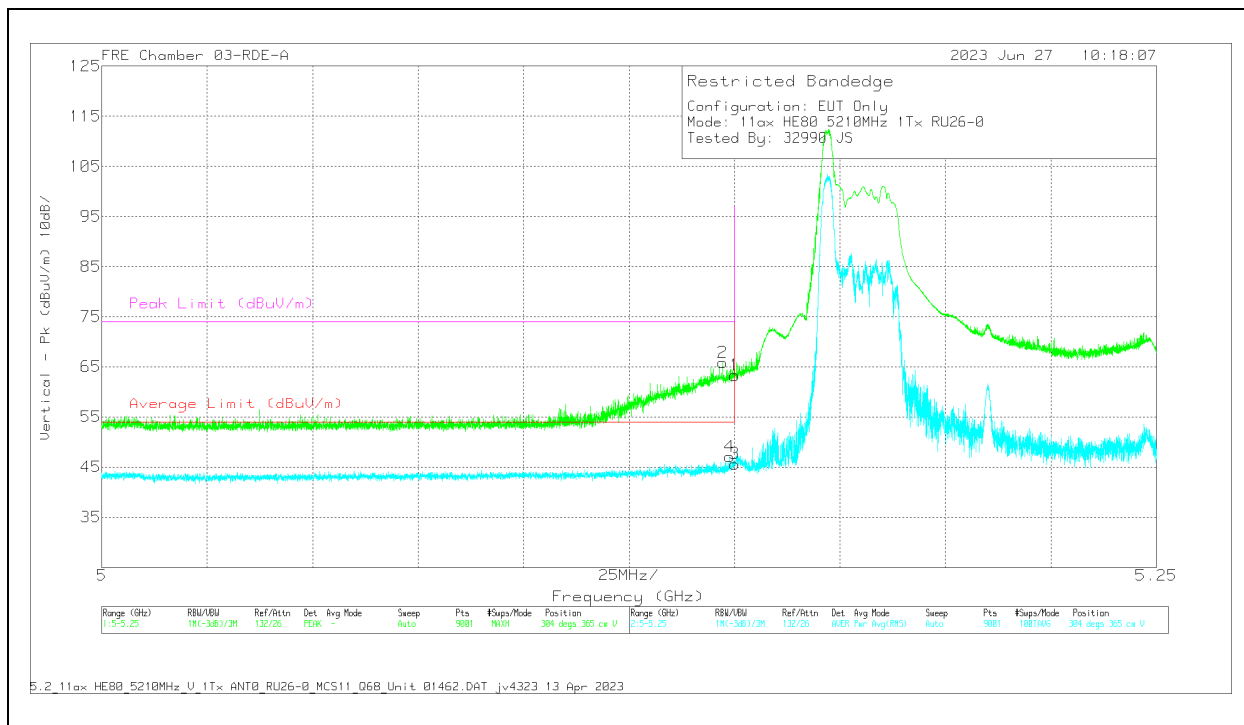
2.1.13. TX ABOVE 1 GHz, 802.11ax HE80 RU26 IN THE 5.2GHz BAND**1TX Antenna 6 MODE: 26-Tones, RU Index 0****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	70.41	Pk	34.6	0	-38.69	66.32	-	-	74	-7.68	239	153	H
2	* 5.148779	73.37	Pk	34.6	0	-38.73	69.24	-	-	74	-4.76	239	153	H
3	* 5.15	49.41	RMS	34.6	.52	-38.69	45.84	54	-8.16	-	-	239	153	H
4	* 5.149862	51.38	RMS	34.6	.52	-38.69	47.81	54	-6.19	-	-	239	153	H

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

Pk - Peak detector

RMS - RMS detection

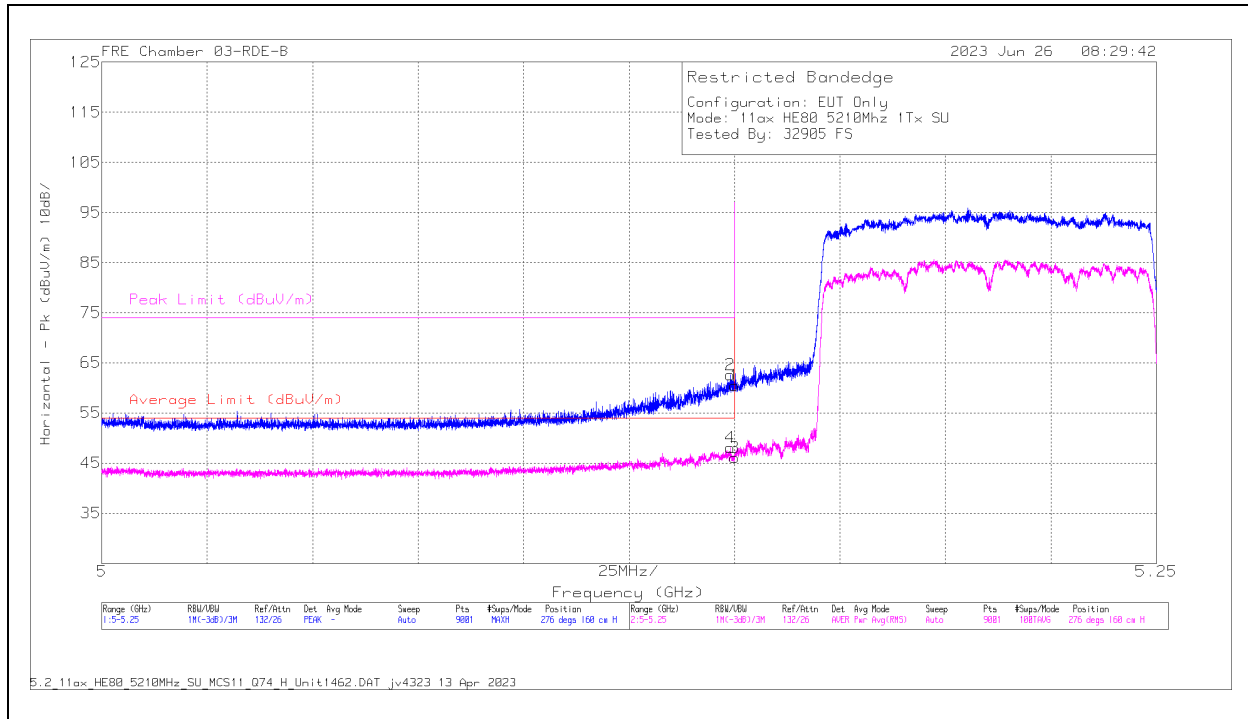
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	67.39	Pk	34.6	0	-38.69	63.3	-	-	74	-10.7	304	365	V
2	* 5.147196	70.08	Pk	34.6	0	-38.77	65.91	-	-	74	-8.09	304	365	V
3	* 5.15	49.26	RMS	34.6	.52	-38.69	45.69	54	-8.31	-	-	304	365	V
4	* 5.148835	50.74	RMS	34.6	.52	-38.72	47.14	54	-6.86	-	-	304	365	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 6 MODE: SU, Single User**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	66.06	Pk	34.3	0	-39.9	60.46	-	-	74	-13.54	276	160	H
2	* 5.148918	68.19	Pk	34.3	0	-39.9	62.59	-	-	74	-11.41	276	160	H
3	* 5.15	50.63	RMS	34.3	1.06	-39.9	46.09	54	-7.91	-	-	276	160	H
4	* 5.148946	52.61	RMS	34.3	1.06	-39.9	48.07	54	-5.93	-	-	276	160	H

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

Pk - Peak detector

RMS - RMS detection

FRE Chamber 03-RDE-B

2023 Jun 26 08:22:19

Restricted Bandedge
Configuration: EUT Only
Mode: 11ax HE80 5210Mhz 1Tx SU
Tested By: 32905 FS

Vertical - Pk (dBu/m) 10dB/

Peak Limit (dBu/m)

Average Limit (dBu/m)

Frequency (GHz)

25MHz/

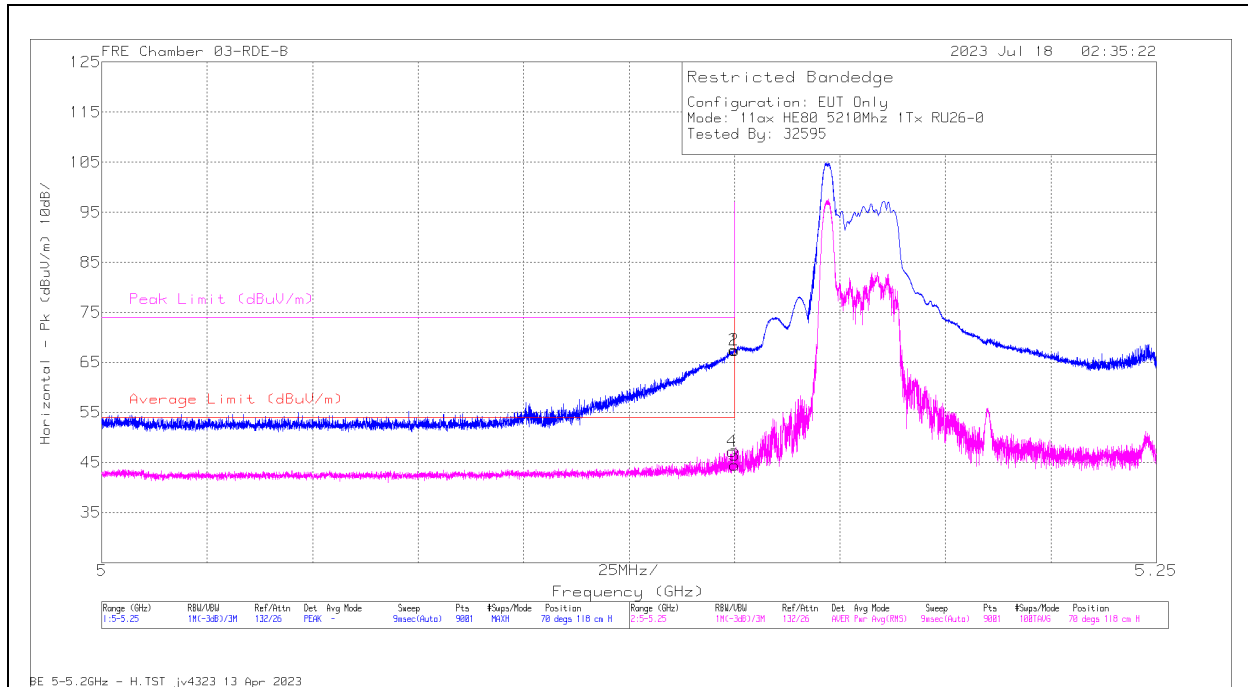
5 5.25

Range (GHz)	RBW/1BW	Ref/Alt'n	Det	Avg Mode	Sweep	Pts	#Sups/Mode	Position	Range (GHz)	RBW/1BW	Ref/Alt'n	Det	Avg Mode	Sweep	Pts	#Sups/Mode	Position
1.5-5.25	1K(-3dB)/3M	132/25	PEAK	-	Auto	9801	1M/0	130 degs 118 co U	1.5-5.25	1K(-3dB)/3M	132/25	WTR Per Avg(PKS)	Auto	Auto	9801	1M/0/0/0	130 degs 118 co U

5.2 11ax_HE80_5210Mhz_SU MCS11_074 U Unit1462.DAT jv4323 13 Apr 2023

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCGF (dB)	Gain/Loss (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	69.99	PK	34.3	0	-39.9	64.39	-	-	74	-9.61	130	118	V
2	* 5.149335	70.57	PK	34.3	0	-39.9	64.97	-	-	74	-9.03	130	118	V
3	* 5.15	53.18	RMS	34.3	1.06	-39.9	48.64	54	-5.36	-	-	130	118	V
4	* 5.149501	55.09	RMS	34.3	1.06	-39.9	50.55	54	-3.45	-	-	130	118	V

Pk - Peak detector
RMS - RMS detection

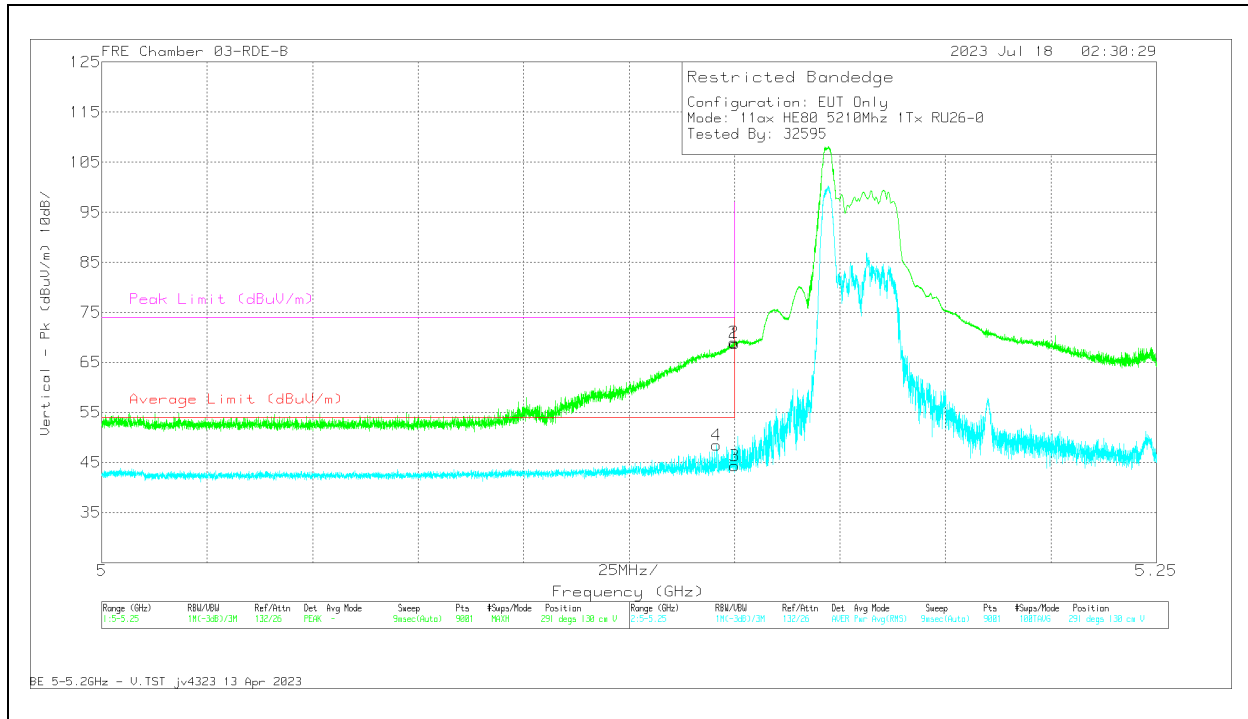
1TX Antenna 5 MODE: 26-Tones, RU Index 0**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	72.97	Pk	34.3	0	-39.9	67.37	-	-	74	-6.63	70	118	H
2	* 5.149862	73.08	Pk	34.3	0	-39.9	67.48	-	-	74	-6.52	70	118	H
3	* 5.15	49.65	RMS	34.3	.52	-39.9	44.57	54	-9.43	-	-	70	118	H
4	* 5.149362	52.33	RMS	34.3	.52	-39.9	47.25	54	-6.75	-	-	70	118	H

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

Pk - Peak detector

RMS - RMS detection

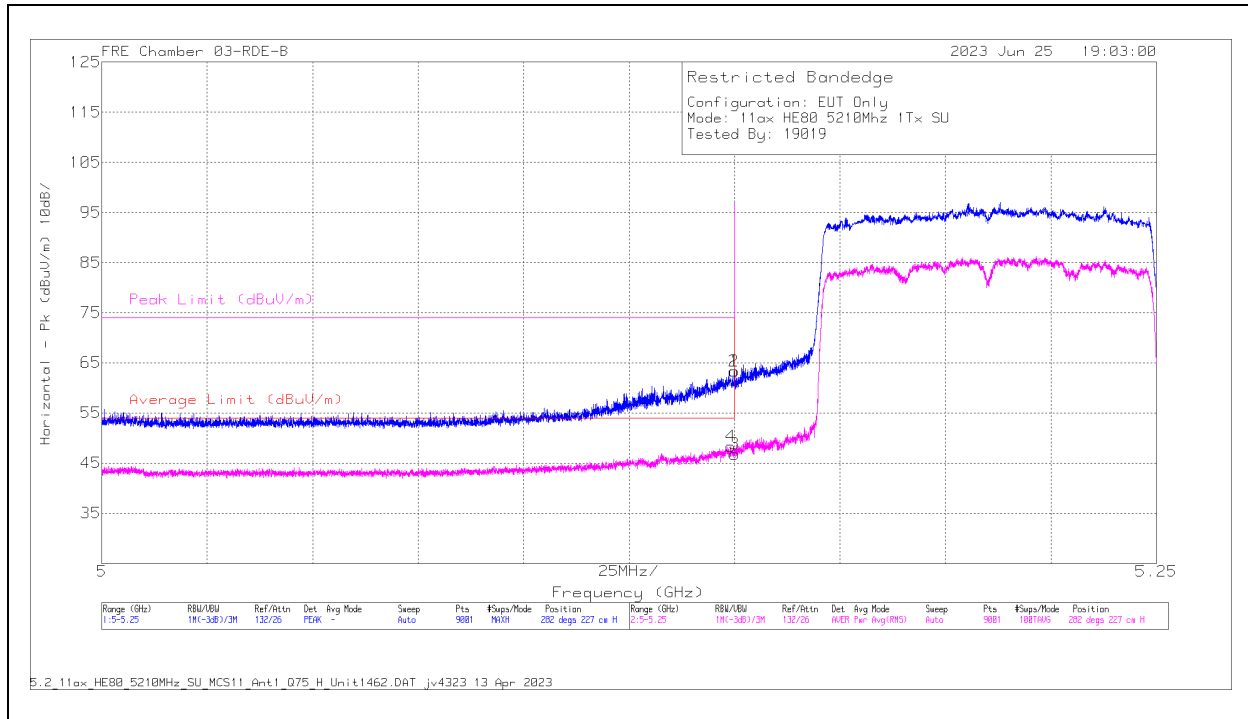
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	74.28	Pk	34.3	0	-39.9	68.68	-	-	74	-5.32	291	130	V
2	* 5.149807	74.57	Pk	34.3	0	-39.9	68.97	-	-	74	-5.03	291	130	V
3	* 5.15	49.46	RMS	34.3	.52	-39.9	44.38	54	-9.62	-	-	291	130	V
4	* 5.145779	53.71	RMS	34.3	.52	-40	48.53	54	-5.47	-	-	291	130	V

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

Pk - Peak detector

RMS - RMS detection

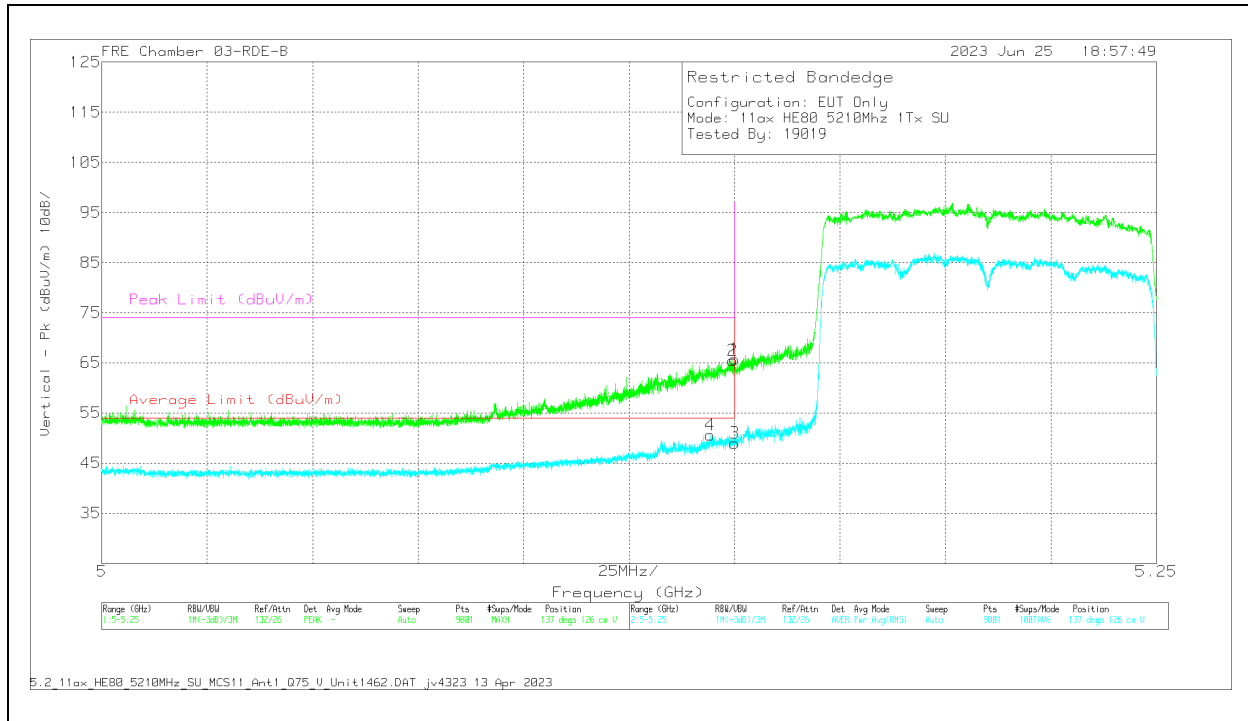
1TX Antenna 5 MODE: SU, Single User**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	68.97	Pk	34.3	0	-39.9	63.37	-	-	74	-10.63	282	227	H
2	* 5.149862	68.94	Pk	34.3	0	-39.9	63.34	-	-	74	-10.66	282	227	H
3	* 5.15	51.33	RMS	34.3	1.06	-39.9	46.79	54	-7.21	-	-	282	227	H
4	* 5.149057	52.84	RMS	34.3	1.06	-39.9	48.30	54	-5.70	-	-	282	227	H

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

Pk - Peak detector

RMS - RMS detection

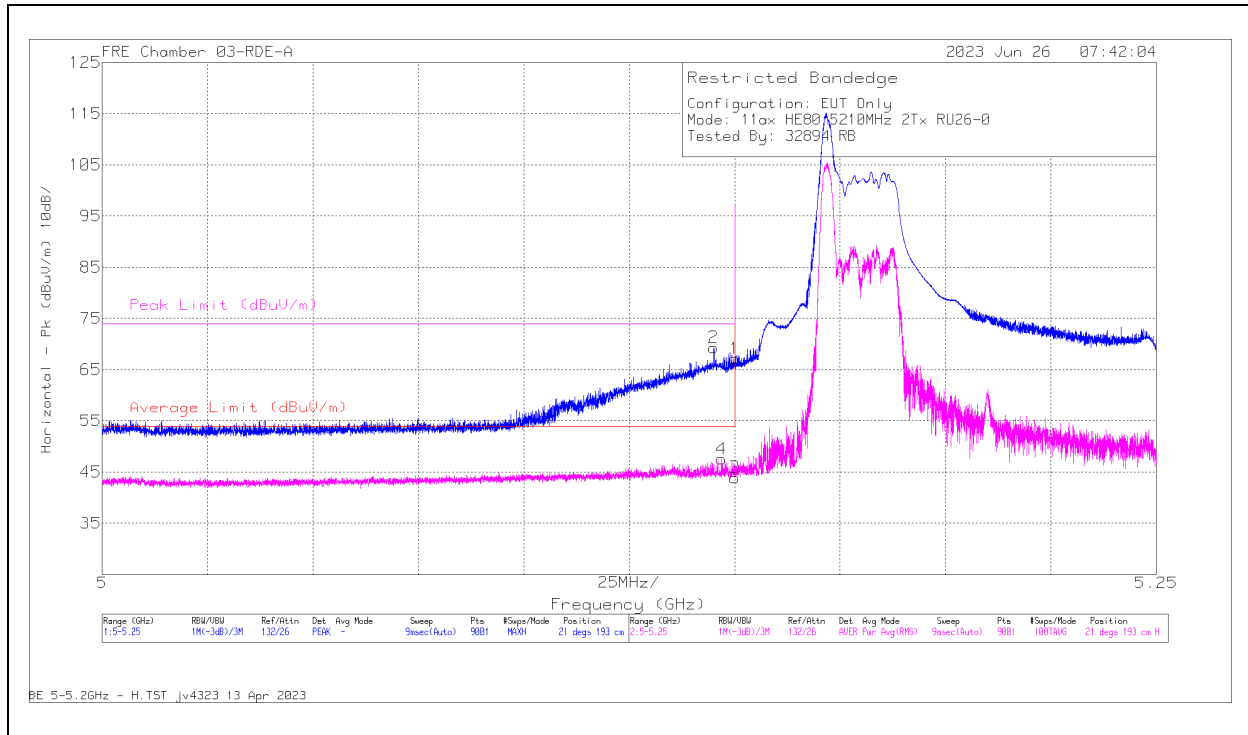
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	34.3	0	-39.9	65.77	-	-	74	-8.23	137	126	V
2	* 5.149585	71.12	Pk	34.3	0	-39.9	65.52	-	-	74	-8.48	137	126	V
3	* 5.15	53.58	RMS	34.3	1.06	-39.9	49.04	54	-4.96	-	-	137	126	V
4	* 5.144251	55.21	RMS	34.3	1.06	-40	50.57	54	-3.43	-	-	137	126	V

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

Pk - Peak detector

RMS - RMS detection

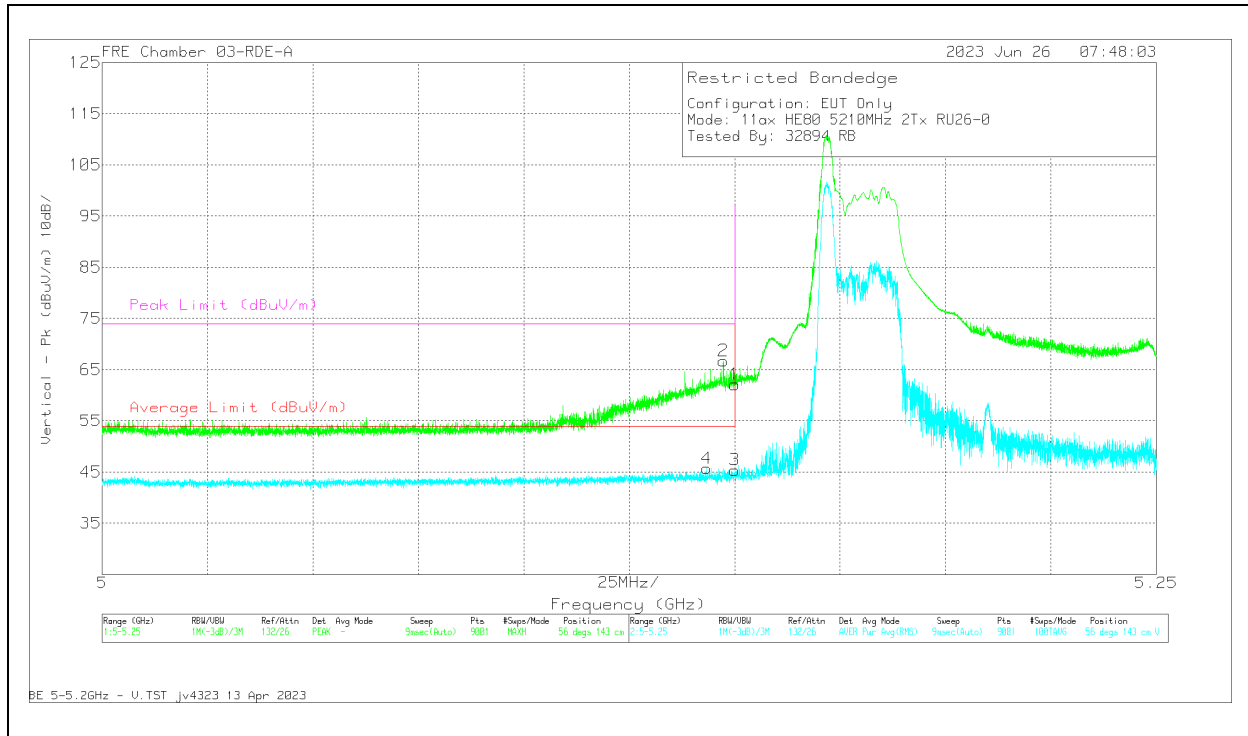
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tones, RU Index 0**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	71.25	Pk	34.6	0	-38.69	67.16	-	-	74	-6.84	21	193	H
2	* 5.145057	73.51	Pk	34.6	0	-38.79	69.32	-	-	74	-4.68	21	193	H
3	* 5.15	47.49	RMS	34.6	.52	-38.69	43.92	54	-10.08	-	-	21	193	H
4	* 5.146862	51.23	RMS	34.6	.52	-38.78	47.57	54	-6.43	-	-	21	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	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	66.2	Pk	34.6	0	-38.69	62.11	-	-	74	-11.89	56	143	V
2	* 5.147335	70.89	Pk	34.6	0	-38.77	66.72	-	-	74	-7.28	56	143	V
3	* 5.15	49	RMS	34.6	.52	-38.69	45.43	54	-8.57	-	-	56	143	V
4	* 5.143418	49.39	RMS	34.6	.52	-38.77	45.74	54	-8.26	-	-	56	143	V

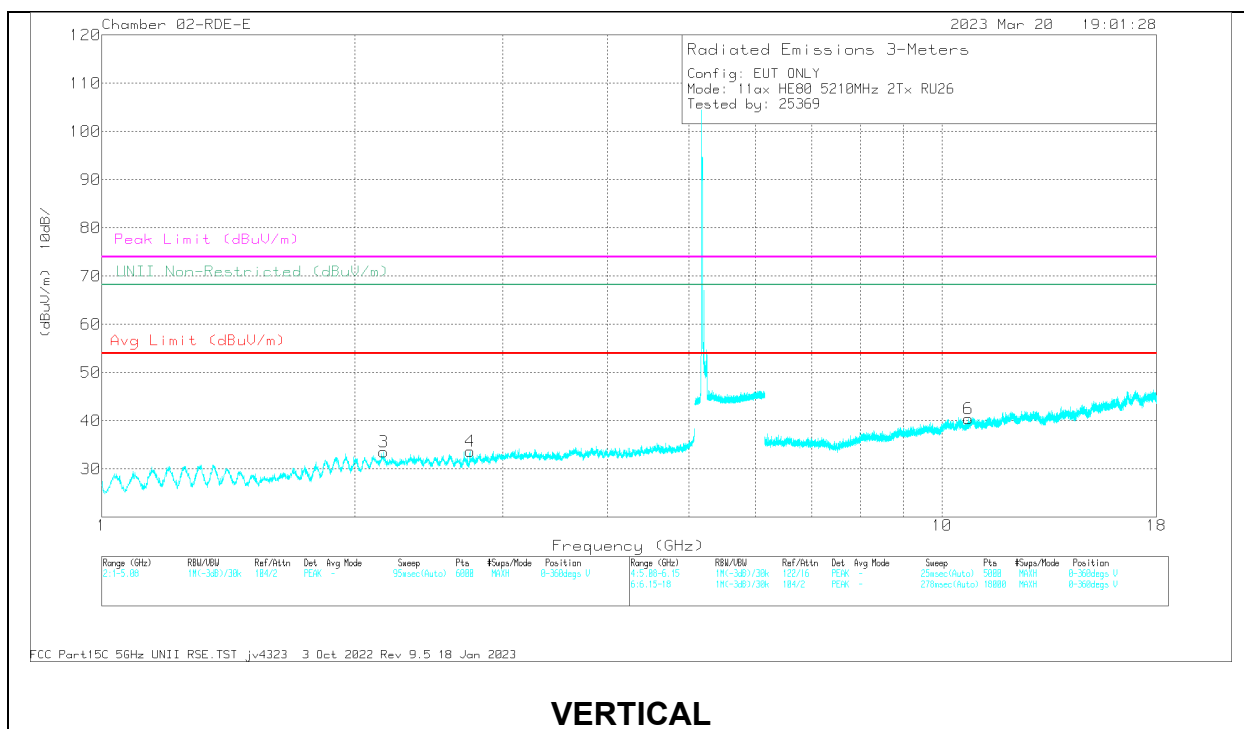
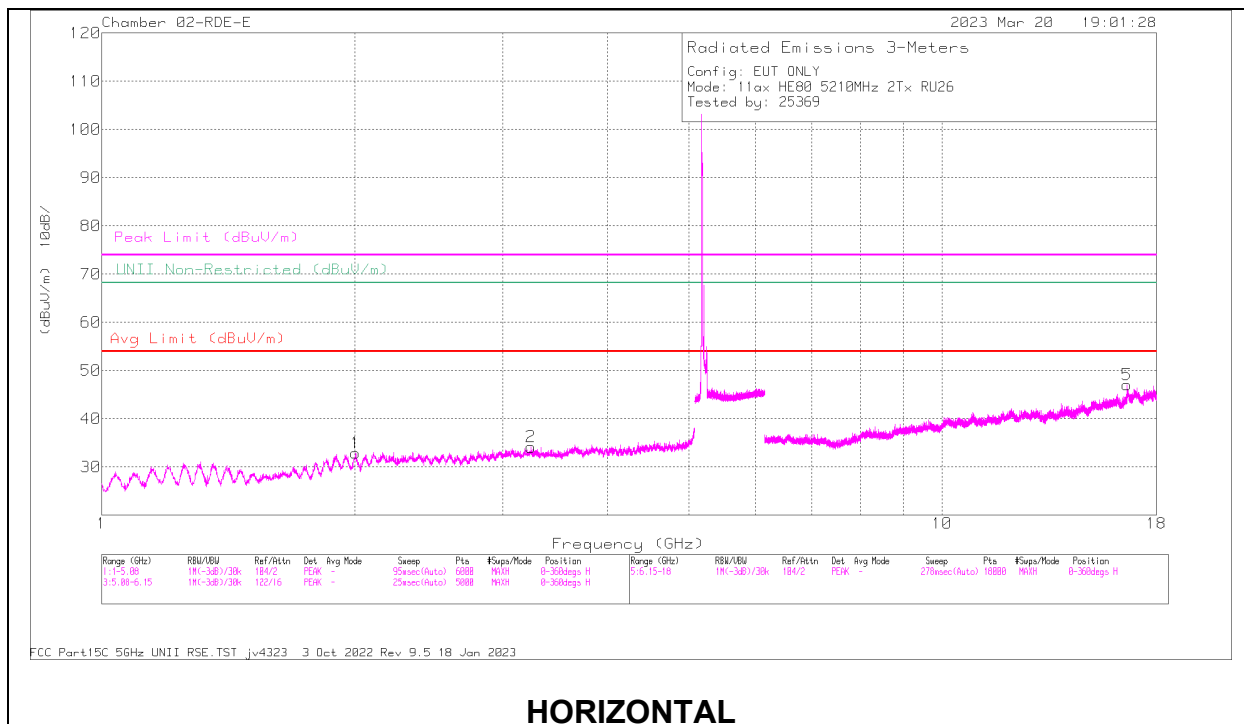
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2.1.14. 5.2GHz, 11ax HE80 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



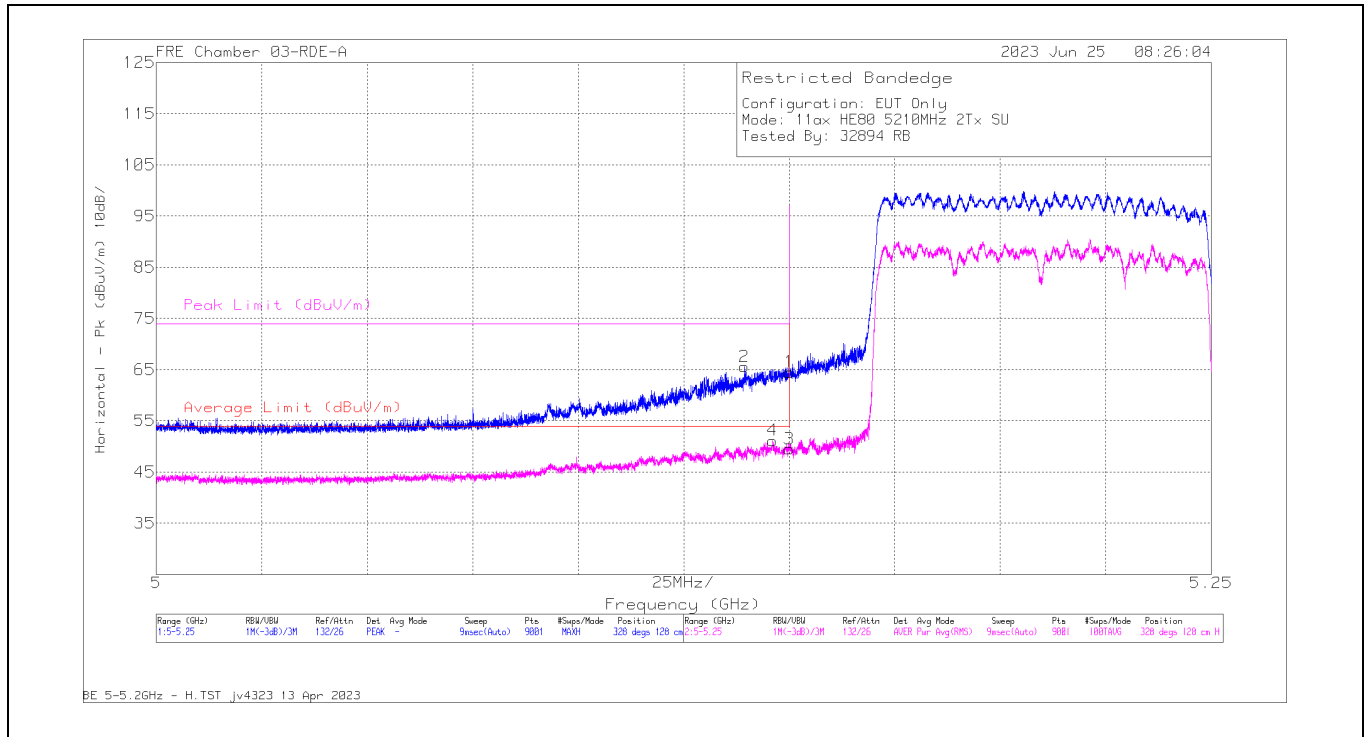
RADIATED EMISSIONS

Marker	Frequency (MHz)	Motor Reading (dBµV)	Dist	20dB/2 ACF (dB) limit	Gain/Loss (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Altitude (m)	Height (m)	Polarity
4	* 2.743523	58.66	PK-U	32	-48.64	42.02	-	-	74	-31.98	-	-	1	200	V
	* 2.744193	47.06	ADR	32	-48.64	39.42	-54	-23.58	-	-	-	-	1	200	V
6	* 10.746409	55.2	PK-U	37.6	-43.09	49.71	-	-	74	-24.29	-	-	1	200	V
	* 10.747239	43.42	ADR	37.6	-43.09	37.93	-54	-16.07	-	-	-	-	1	200	V
1	2.004789	50.87	PK-U	31.2	-48.9	42.17	-	-	-	-	68.2	-26.03	1	101	H
	2.004866	48.4	ADR	31.2	-48.9	39.7	-	-	-	-	-	-	1	101	H
3	2.163374	50.93	PK-U	31.8	-48.95	42.78	-	-	-	-	68.2	-25.42	1	101	V
	2.166494	48.12	ADR	31.8	-48.96	30.96	-	-	-	-	-	-	1	101	V
2	3.240465	45.93	ADR	33	-47.01	31.92	-	-	-	-	-	-	1	199	H
	3.240879	57.51	PK-U	33	-47	43.51	-	-	-	-	68.2	-24.69	1	199	H
5	16.605908	42.59	ADR	41.4	-40.85	43.14	-	-	-	-	-	-	1	200	H
	16.605998	54.82	PK-U	41.4	-40.85	55.37	-	-	-	-	68.2	-12.83	1	200	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

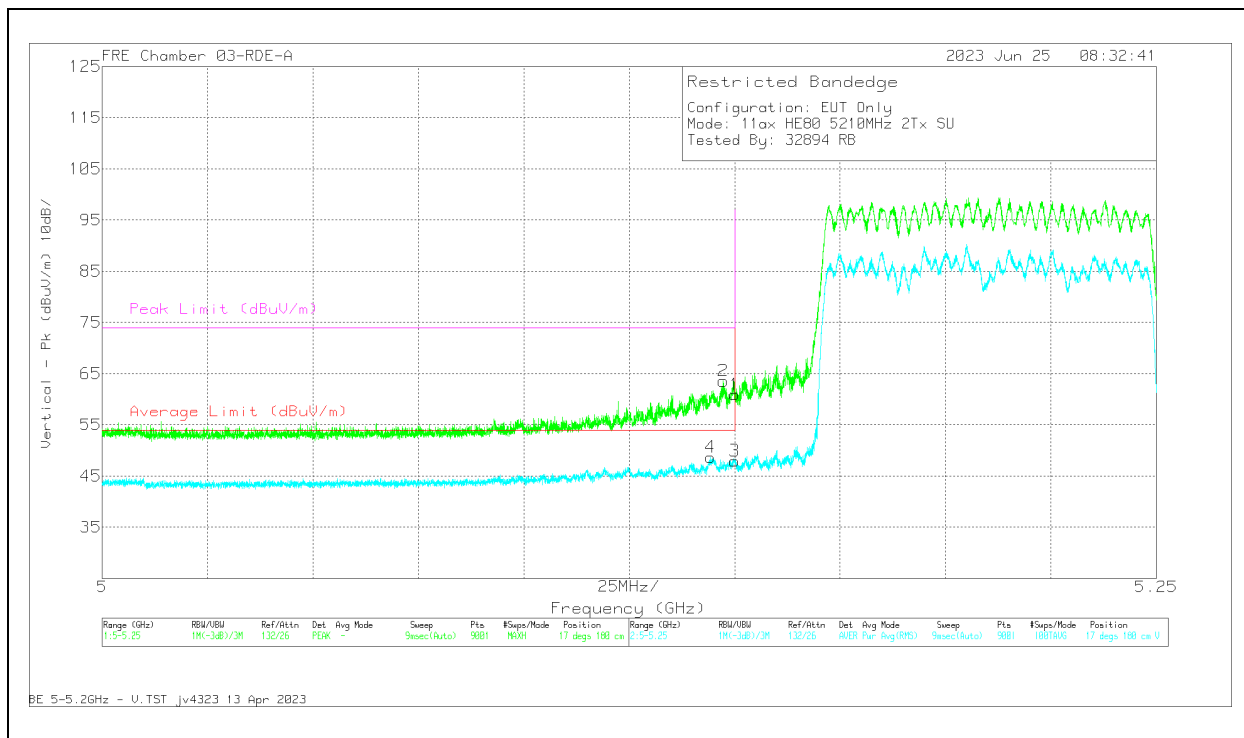
2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	68.6	Pk	34.6	0	-38.69	64.51	-	-	74	-9.49	328	128	H
2	* 5.139307	69.87	Pk	34.5	0	-38.79	65.58	-	-	74	-8.42	328	128	H
3	* 5.15	52.53	RMS	34.6	1.06	-38.69	49.5	54	-4.5	-	-	328	128	H
4	* 5.146029	54.3	RMS	34.6	1.06	-38.79	51.17	54	-2.83	-	-	328	128	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	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	65.01	Pk	34.6	0	-38.69	60.92	-	-	74	-13.08	17	180	V
2	* 5.147307	67.75	Pk	34.6	0	-38.77	63.58	-	-	74	-10.42	17	180	V
3	* 5.15	50.96	RMS	34.6	1.06	-38.69	47.93	54	-6.07	-	-	17	180	V
4	* 5.144223	51.8	RMS	34.6	1.06	-38.78	48.68	54	-5.32	-	-	17	180	V

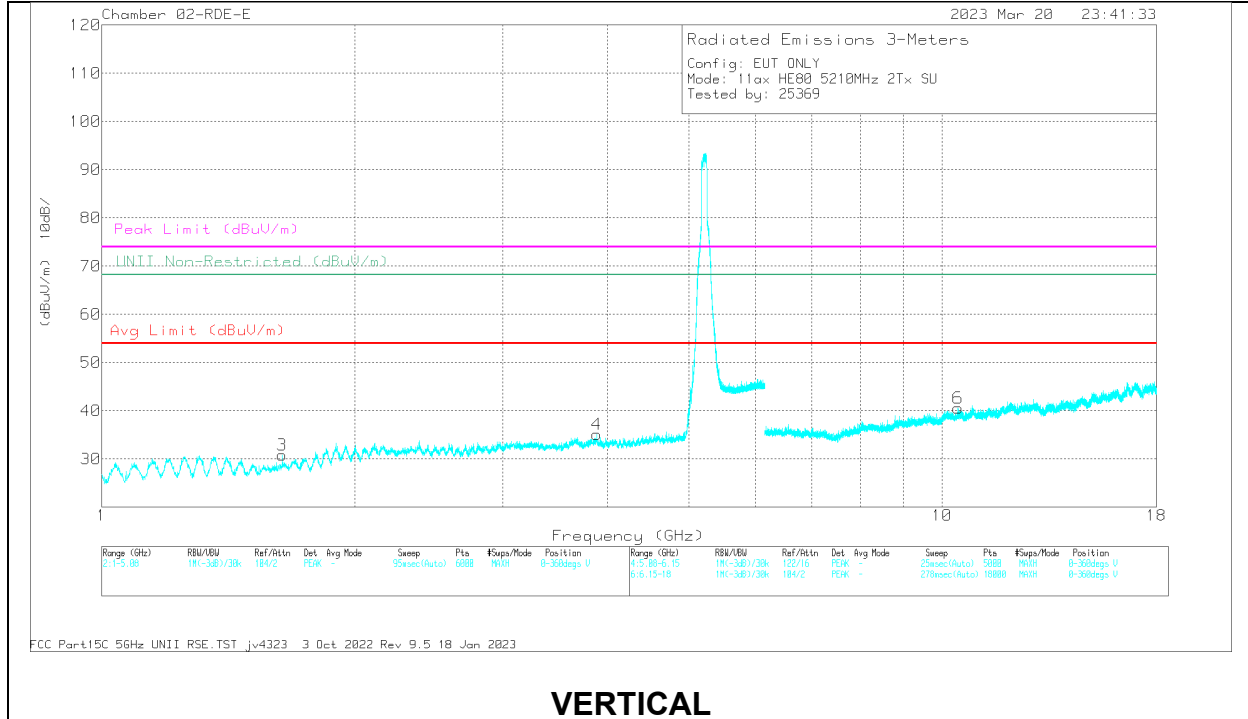
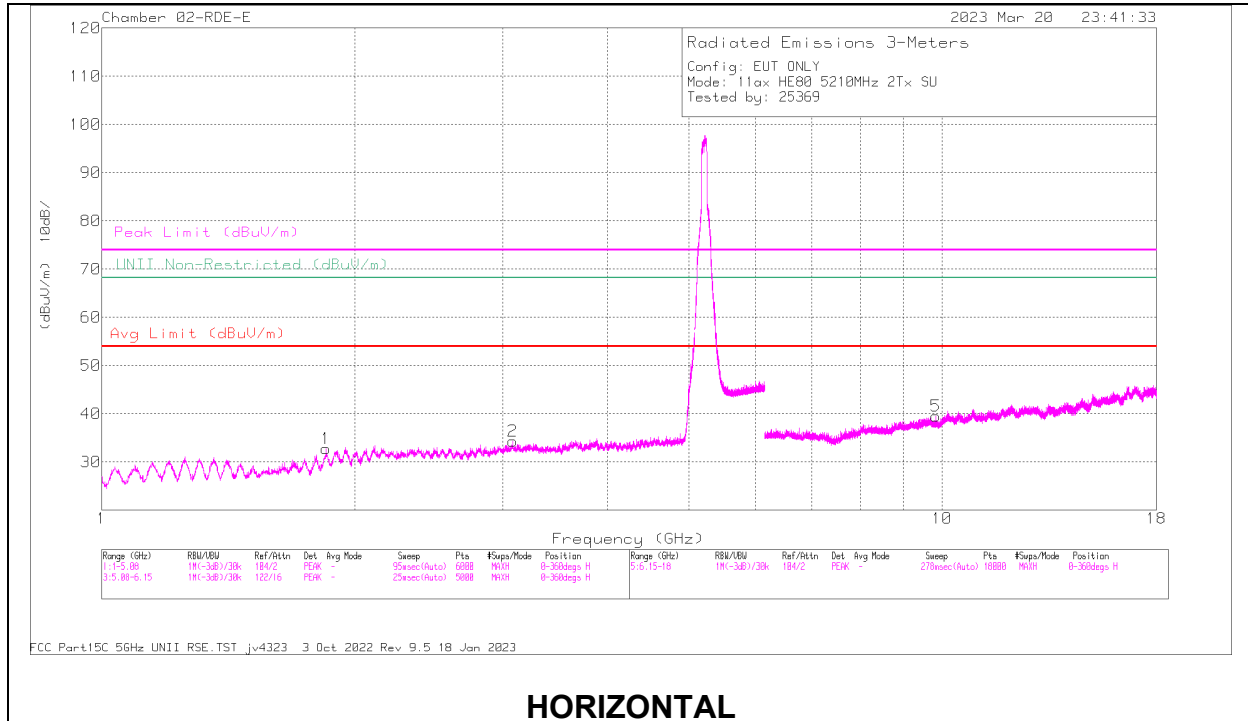
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2.1.15. 5.2GHz, 11ax HE80 SU 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



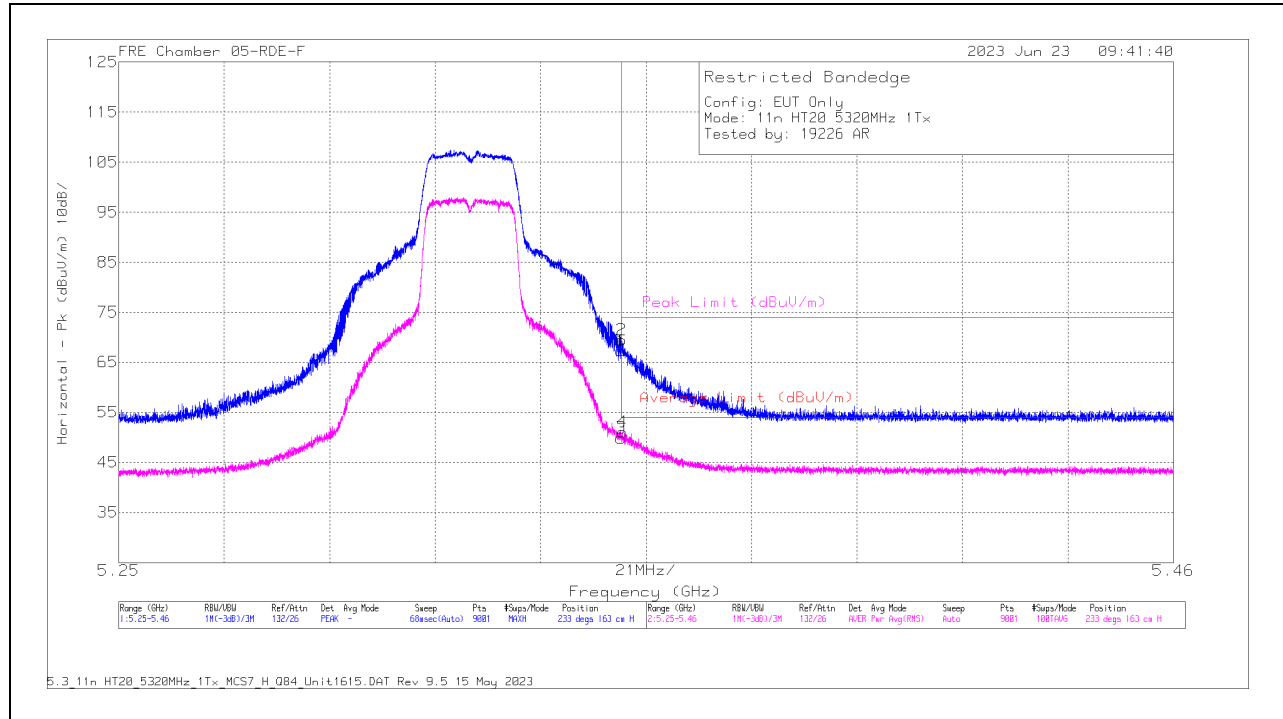
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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
4	* 3.882373	56.32	PK-U	33.5	0	-45.64	44.18	-	-	74	-29.82	-	-	0	101	V
	* 3.880884	44.86	ADR	33.5	.15	-45.72	32.79	54	-21.21	-	-	-	-	0	101	V
3	1.639142	60.38	PK-U	28.3	0	-49.36	39.32	-	-	-	-	68.2	-28.88	0	200	V
1	1.847723	61.56	PK-U	30.3	0	-49.37	42.49	-	-	-	-	68.2	-25.71	0	101	H
2	3.083621	58.06	PK-U	33.1	0	-47.41	43.75	-	-	-	-	68.2	-24.45	0	101	H
5	9.826046	56.96	PK-U	37	0	-45.58	48.38	-	-	-	-	68.2	-19.82	0	101	H
6	10.450471	55.92	PK-U	37.6	0	-44.12	49.4	-	-	-	-	68.2	-18.8	0	199	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

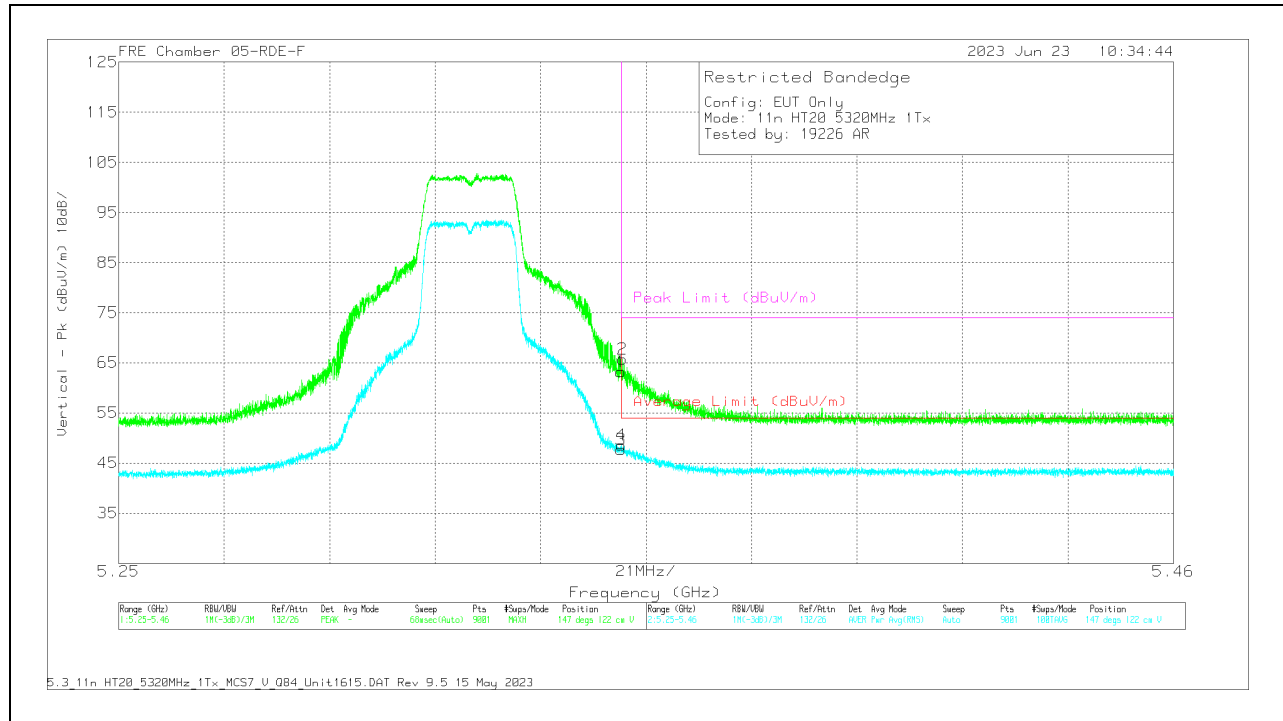
2.1.16. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND**1TX Antenna 6****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	71.52	Pk	34.4	0	-38.59	67.33	-	-	74	-6.67	233	163	H
2	* 5.350122	73.67	Pk	34.4	0	-38.59	69.48	-	-	74	-4.52	233	163	H
3	* 5.35	53.7	RMS	34.4	.39	-38.59	49.9	54	-4.1	-	-	233	163	H
4	* 5.350262	54.89	RMS	34.4	.39	-38.59	51.09	54	-2.91	-	-	233	163	H

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

Pk - Peak detector

RMS - RMS detection

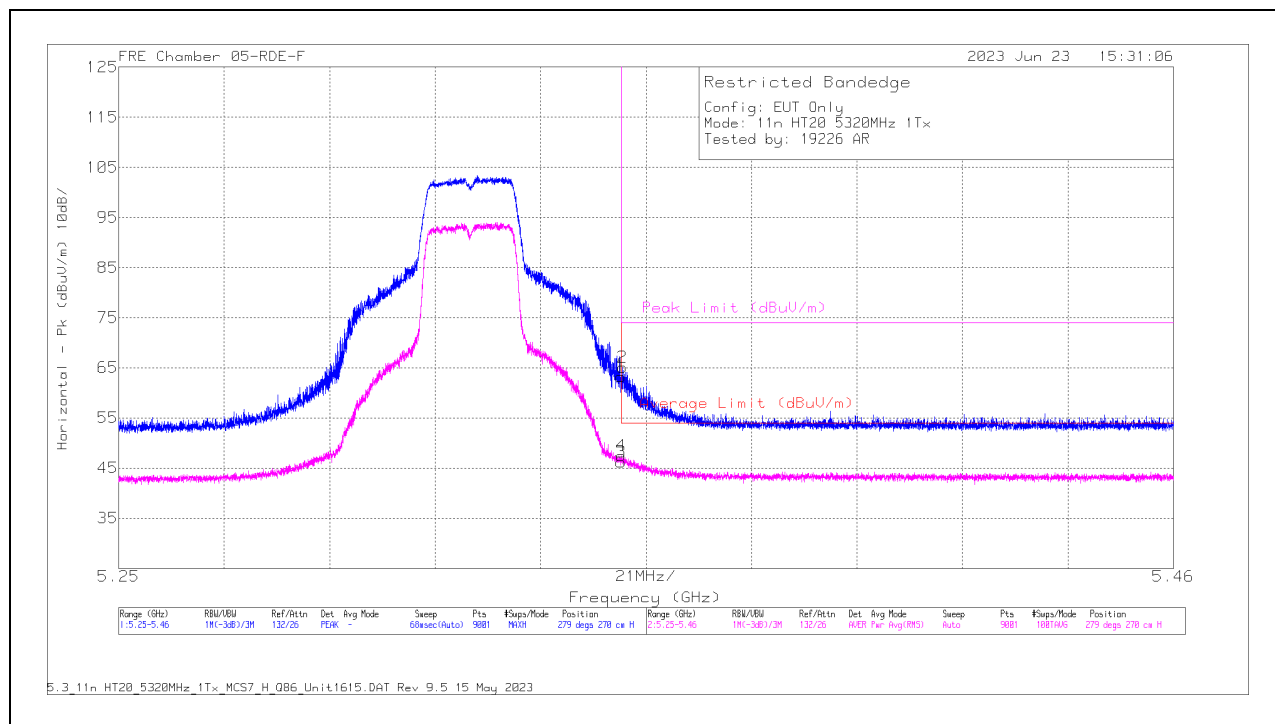
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	67.38	Pk	34.4	0	-38.59	63.19	-	-	74	-10.81	147	122	V
2	* 5.350332	69.93	Pk	34.4	0	-38.59	65.74	-	-	74	-8.26	147	122	V
3	* 5.35	51.57	RMS	34.4	.39	-38.59	47.77	54	-6.23	-	-	147	122	V
4	* 5.350052	52.39	RMS	34.4	.39	-38.59	48.59	54	-5.41	-	-	147	122	V

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

Pk - Peak detector

RMS - RMS detection

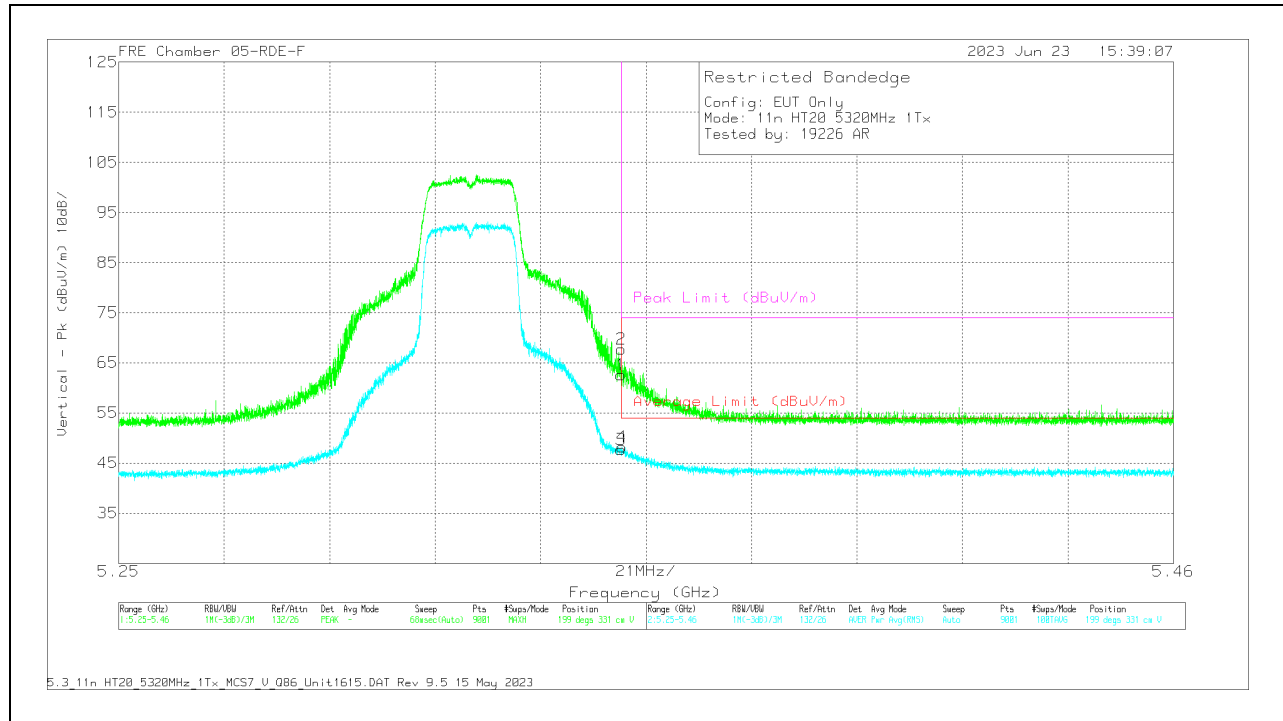
1TX Antenna 5**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	67.48	Pk	34.4	0	-38.59	63.29	-	-	74	-10.71	279	270	H
2	* 5.350285	69.34	Pk	34.4	0	-38.59	65.15	-	-	74	-8.85	279	270	H
3	* 5.35	50.07	RMS	34.4	.39	-38.59	46.27	54	-7.73	-	-	279	270	H
4	* 5.350075	51.25	RMS	34.4	.39	-38.59	47.45	54	-6.55	-	-	279	270	H

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

Pk - Peak detector

RMS - RMS detection

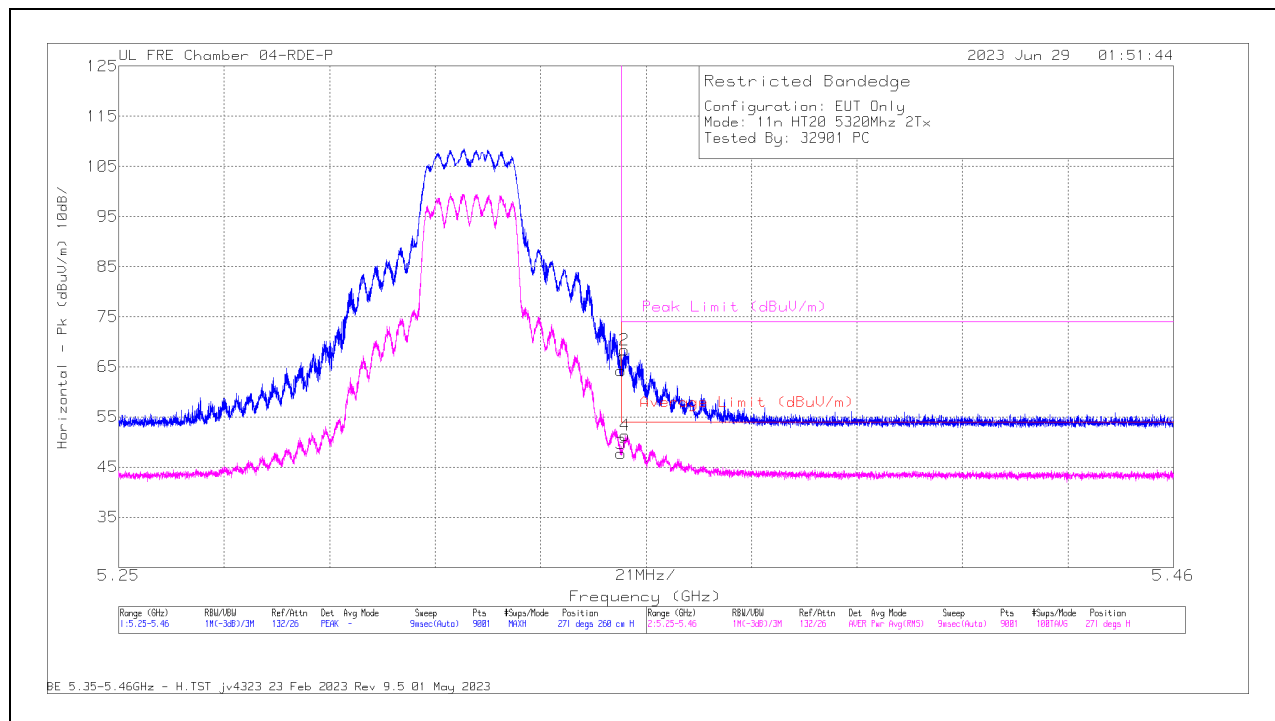
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	66.76	Pk	34.4	0	-38.59	62.57	-	-	74	-11.43	199	331	V
2	* 5.350029	71.89	Pk	34.4	0	-38.59	67.7	-	-	74	-6.3	199	331	V
3	* 5.35	51.48	RMS	34.4	.39	-38.59	47.68	54	-6.32	-	-	199	331	V
4	* 5.350169	52.03	RMS	34.4	.39	-38.59	48.23	54	-5.77	-	-	199	331	V

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

Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	68.01	PK	34.4	0	-38.18	64.23	-	-	74	-9.77	271	260	H
3	5.35	51.13	RMS	34.4	.39	-38.18	47.74	54	-6.26	-	-	271	260	H
2	5.350635	72.24	PK	34.4	0	-38.23	68.41	-	-	74	-5.59	271	260	H
4	5.350869	54.83	RMS	34.4	.39	-38.25	51.37	54	-2.63	-	-	271	260	H

Pk - Peak detector

RMS - RMS detection

UL FRE Chamber 04-RDE-P

2023 Jun 29 01:55:48

Restricted Bandedge
Configuration: EUT Only
Mode: 11n HT20 5320MHz 2Tx
Tested By: 32901 PC

Vertical - Pk (dBuV/m) 10dB/

Peak Limit (dBuV/m)

Noise Floor Limit (dBuV/m)

Frequency (GHz)

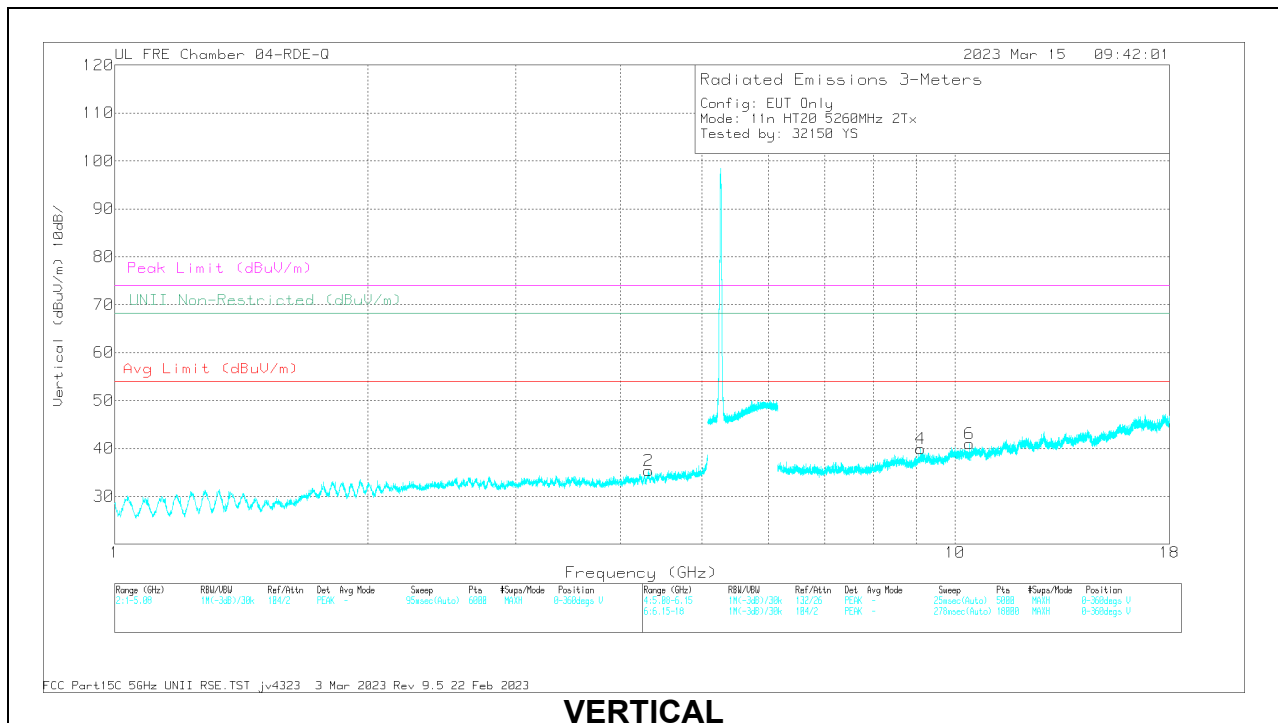
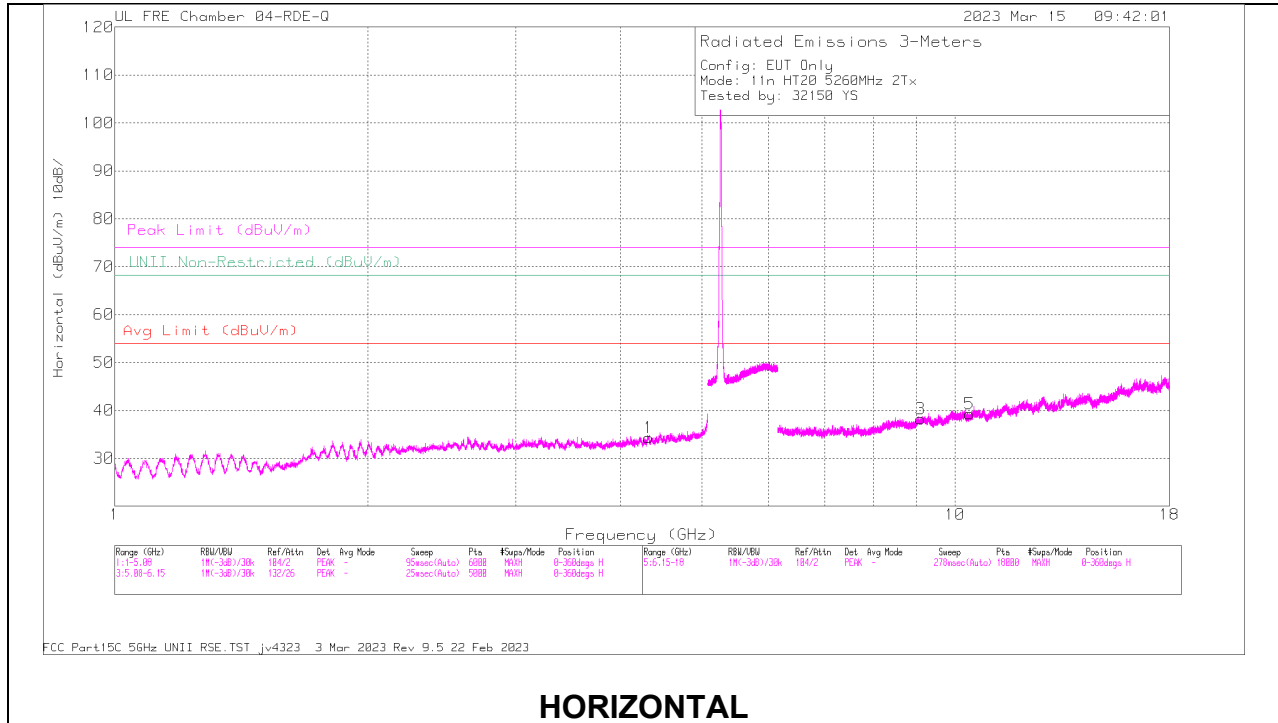
21MHz/

Range (GHz)	RBW/ABW	Ref/Attn	Det	Avg Mode	Sweep	Pts	#Sps/Mode	Position	Range (GHz)	RBW/ABW	Ref/Attn	Det	Avg Mode	Sweep	Pts	#Sps/Mode	Position
5.25-5.46	1M-3dB/3M	132/25	PEAK	-	Sec/sec (Auto)	9001	1M01	104 degs 360 cc U	5.25-5.46	1M-3dB/3M	132/25	AVG	Peak (RMS)	Sec/sec (Auto)	9001	1M01	104 degs U

BE 5.35-5.46GHz - U.TST jv4323 23 Feb 2023 Rev 9.5 01 May 2023

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	68.31	Pk	34.4	0	-38.18	64.53	-	-	74	-9.47	104	360	V
3	5.35	52.36	RMS	34.4	.39	-38.18	48.97	54	-5.03	-	-	104	360	V
2	5.350029	70.82	Pk	34.4	0	-38.18	67.04	-	-	74	-6.96	104	360	V
4	5.350029	53.24	RMS	34.4	.39	-38.18	49.85	54	-4.15	-	-	104	360	V

This report shall not be reproduced except in full, without the written approval of UL VERIFICATION SERVICES

2.1.17. 5.3GHz, HT20 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

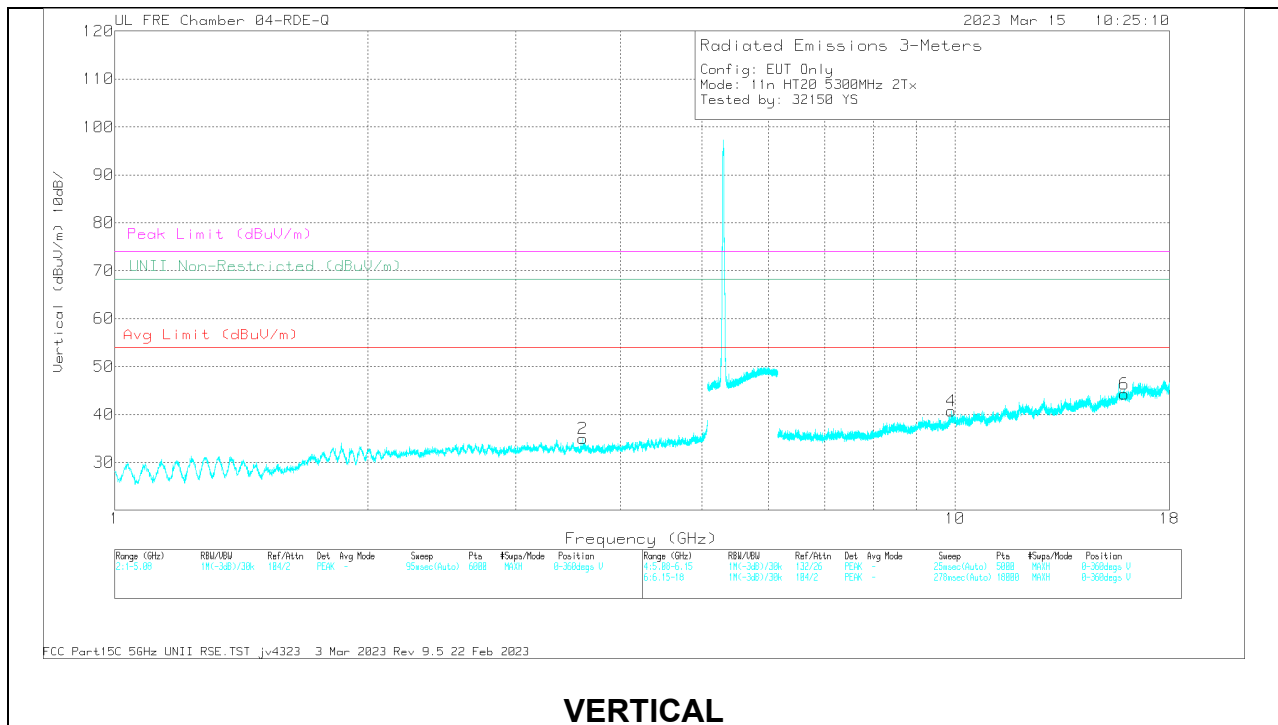
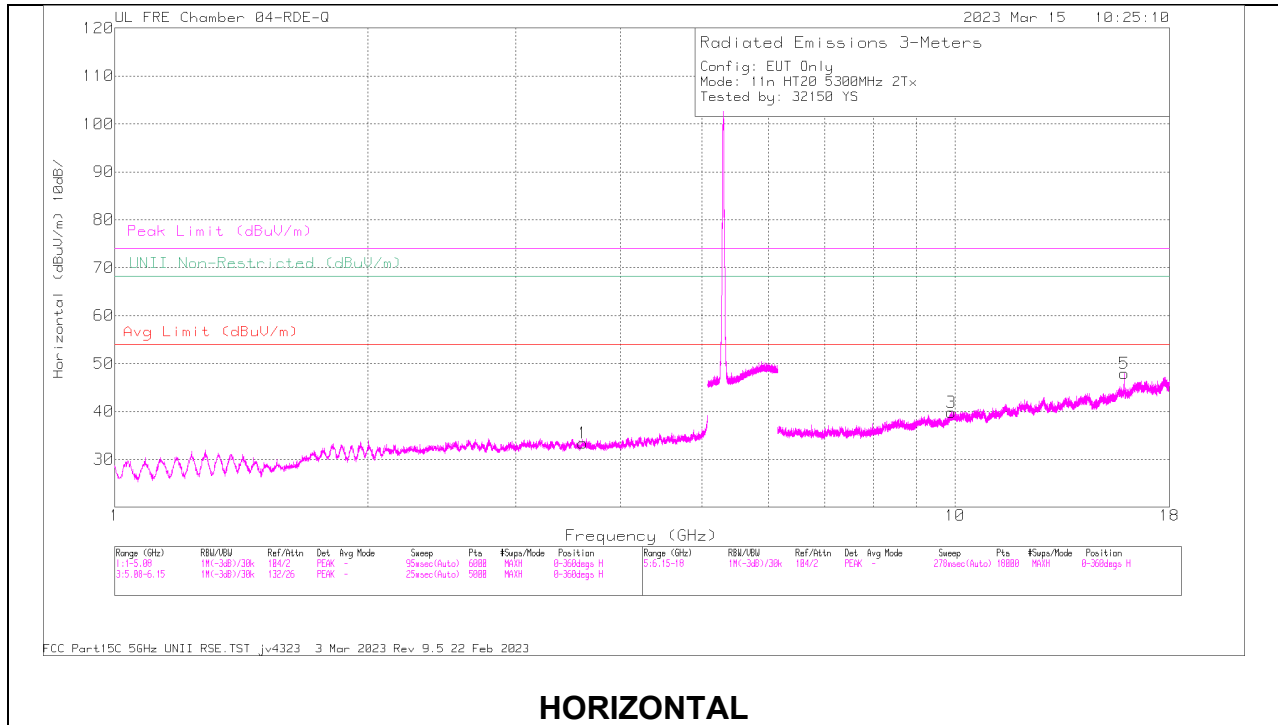
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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	* 4.319123	57.53	PK-U	33.7	-46.34	44.89	-	-	74	-29.11	-	-	83	156	H
1	* 4.318797	45.66	ADR	33.7	-46.34	33.02	54	-20.98	-	-	-	-	83	156	H
2	* 4.320599	57.14	PK-U	33.7	-46.34	44.5	-	-	74	-29.5	-	-	166	222	V
2	* 4.321093	45.72	ADR	33.7	-46.37	33.05	54	-20.95	-	-	-	-	166	222	V
3	* 9.100266	55.63	PK-U	36.4	-43.82	48.21	-	-	74	-25.79	-	-	251	114	H
3	* 9.101937	44.34	ADR	36.4	-43.72	37.02	54	-16.98	-	-	-	-	251	114	H
4	* 9.098618	55.58	PK-U	36.4	-43.89	48.09	-	-	74	-25.91	-	-	278	196	V
4	* 9.101566	44.08	ADR	36.4	-43.74	36.74	54	-17.26	-	-	-	-	278	196	V
6	10.412195	56.52	PK-U	37.5	-44.78	49.24	-	-	-	-	68.2	-18.96	347	151	V
5	10.413448	56.75	PK-U	37.5	-44.92	49.33	-	-	-	-	68.2	-18.87	300	258	H

* - 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

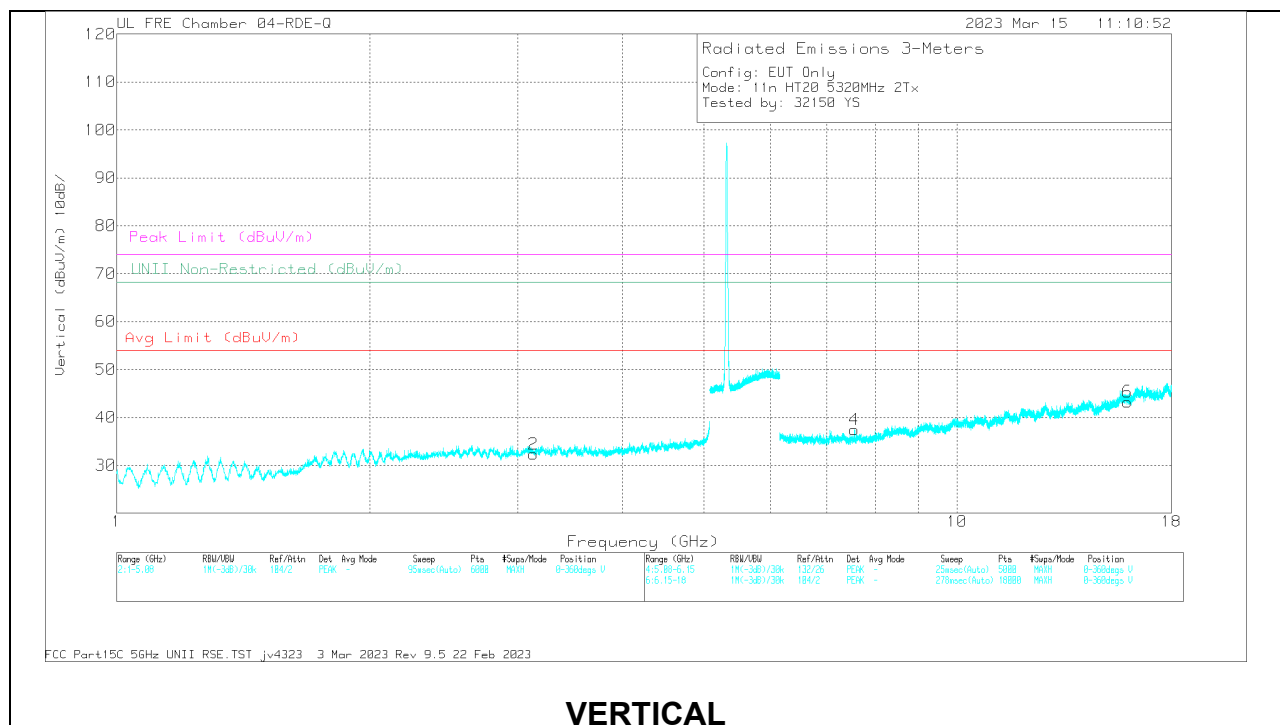
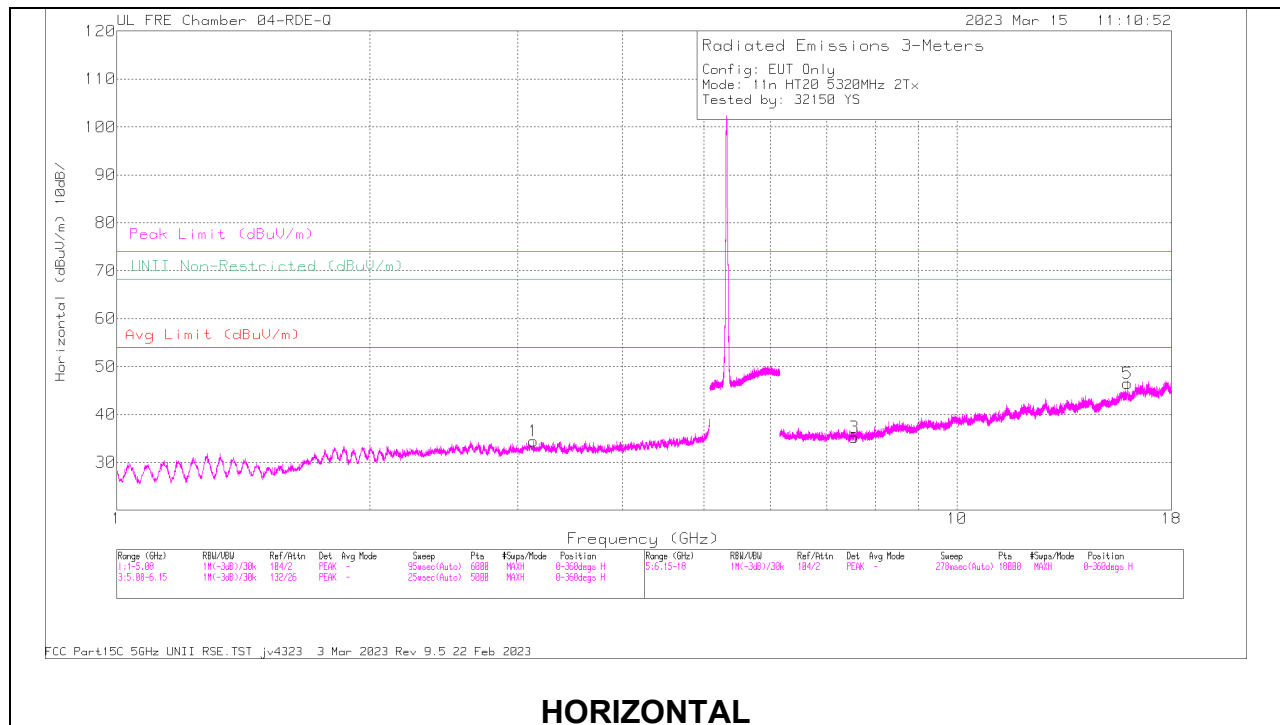
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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	* 3.610085	56.96	PK-U	32.9	-46.42	43.44	-	-	74	-30.56	-	-	108	161	H
1	* 3.609287	45.77	ADR	32.9	-46.41	32.26	54	-21.74	-	-	-	-	108	161	H
2	* 3.608676	57.64	PK-U	32.9	-46.42	44.12	-	-	74	-29.88	-	-	189	163	V
2	* 3.610129	45.69	ADR	32.9	-46.42	32.17	54	-21.83	-	-	-	-	189	163	V
5	* 15.896071	57.59	PK-U	40.6	-42.03	56.16	-	-	74	-17.84	-	-	259	231	H
5	* 15.899798	45.64	ADR	40.6	-42.12	44.12	54	-9.88	-	-	-	-	259	231	H
6	* 15.895999	55.35	PK-U	40.6	-42.03	53.92	-	-	74	-20.08	-	-	324	286	V
6	* 15.897782	43.66	ADR	40.6	-42.02	42.24	54	-11.76	-	-	-	-	324	286	V
3	9.901539	56.68	PK-U	37	-43.99	49.69	-	-	-	-	68.2	-18.51	285	172	H
4	9.902523	56.36	PK-U	37	-43.99	49.37	-	-	-	-	68.2	-18.83	313	149	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

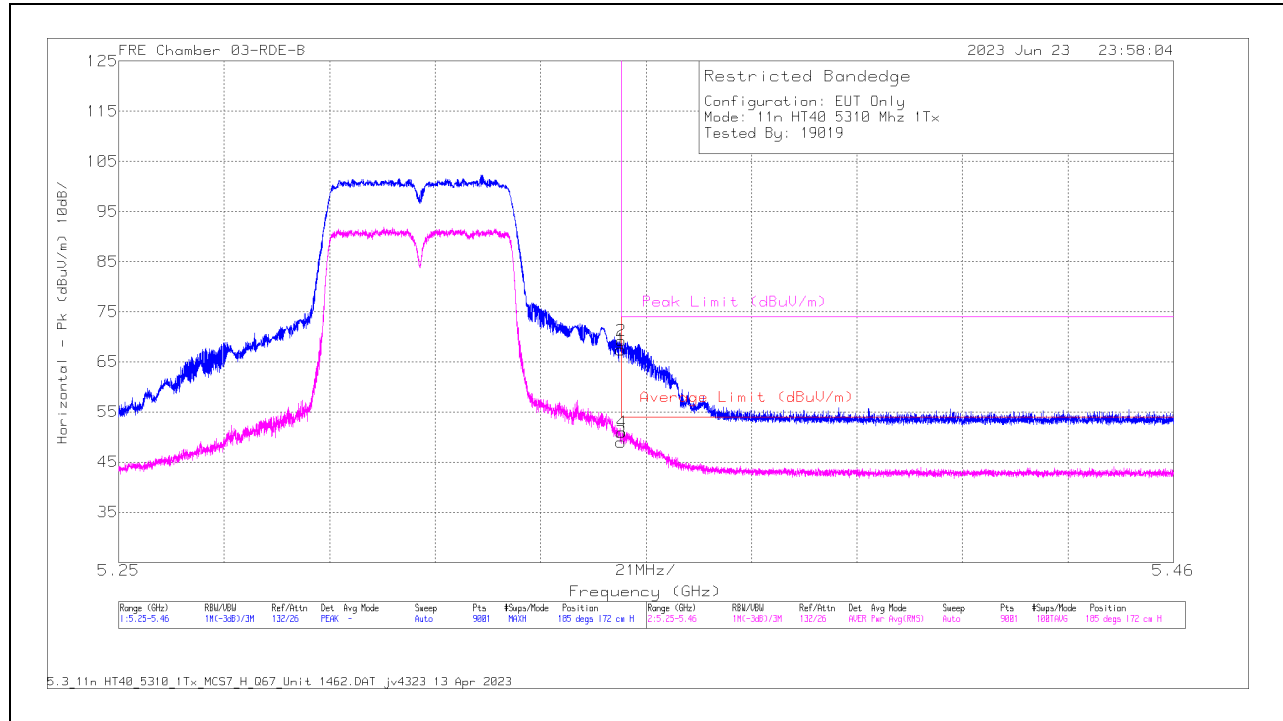
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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
3	* 7.548527	54.82	PK-U	35.5	-43.91	46.41	-	-	74	-27.59	-	-	239	237	H
3	* 7.546444	43.22	ADR	35.5	-43.89	34.83	54	-19.17	-	-	-	-	239	237	H
5	* 15.958518	59.12	PK-U	40.7	-42.48	57.34	-	-	74	-16.66	-	-	289	253	H
5	* 15.958535	47.47	ADR	40.7	-42.48	45.69	54	-8.31	-	-	-	-	289	253	H
4	* 7.54988	54.55	PK-U	35.5	-43.98	46.07	-	-	74	-27.93	-	-	152	244	V
4	* 7.548674	43.38	ADR	35.5	-43.9	34.98	54	-19.02	-	-	-	-	152	244	V
6	* 15.956616	55.79	PK-U	40.6	-42.52	53.87	-	-	74	-20.13	-	-	231	202	V
6	* 15.954504	43.95	ADR	40.6	-42.56	41.99	54	-12.01	-	-	-	-	231	202	V
2	3.13201	56.42	PK-U	32.9	-46.19	43.13	-	-	-	-	68.2	-25.07	304	189	V
1	3.132518	57.39	PK-U	32.9	-46.17	44.12	-	-	-	-	68.2	-24.08	270	187	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

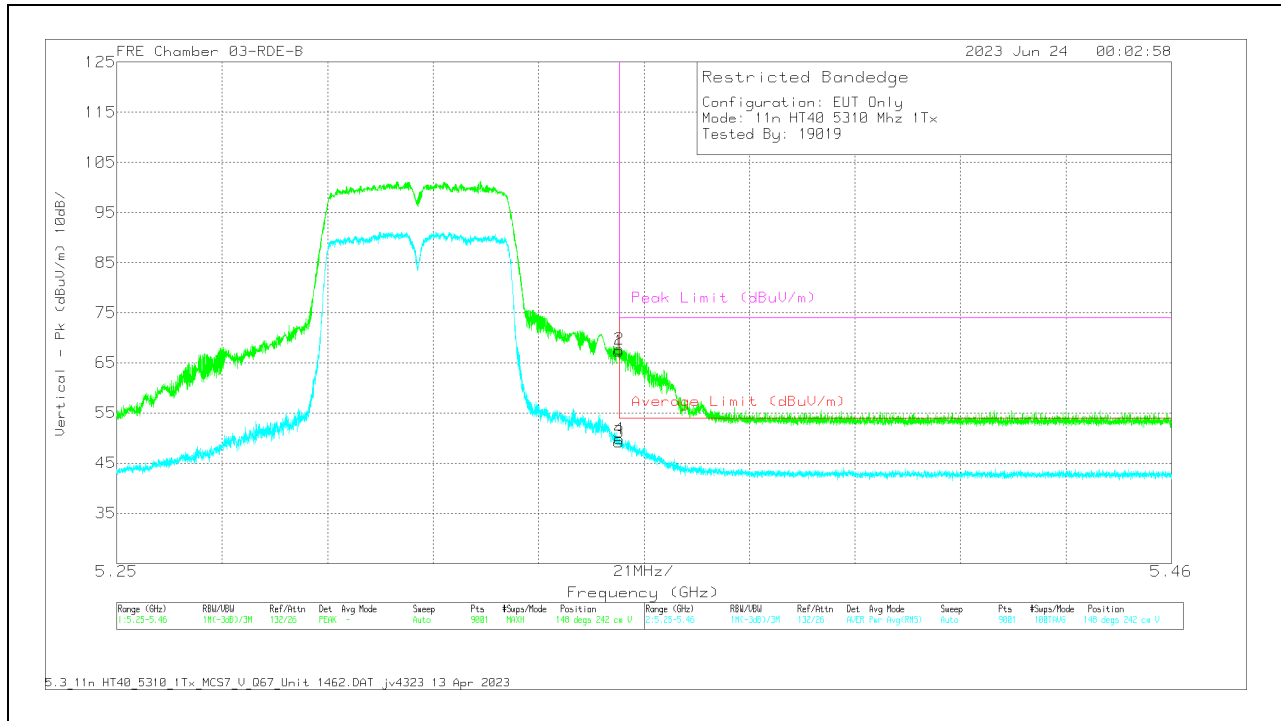
2.1.18. TX ABOVE 1 GHz, 802.11n HT40 MODE IN THE 5.3 GHz BAND**1TX Antenna 6****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	72.63	Pk	34.4	0	-39.6	67.43	-	-	74	-6.57	185	172	H
2	* 5.350052	74.39	Pk	34.4	0	-39.6	69.19	-	-	74	-4.81	185	172	H
3	* 5.35	53.94	RMS	34.4	.68	-39.6	49.42	54	-4.58	-	-	185	172	H
4	* 5.350169	55.9	RMS	34.4	.68	-39.6	51.38	54	-2.72	-	-	185	172	H

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

Pk - Peak detector

RMS - RMS detection

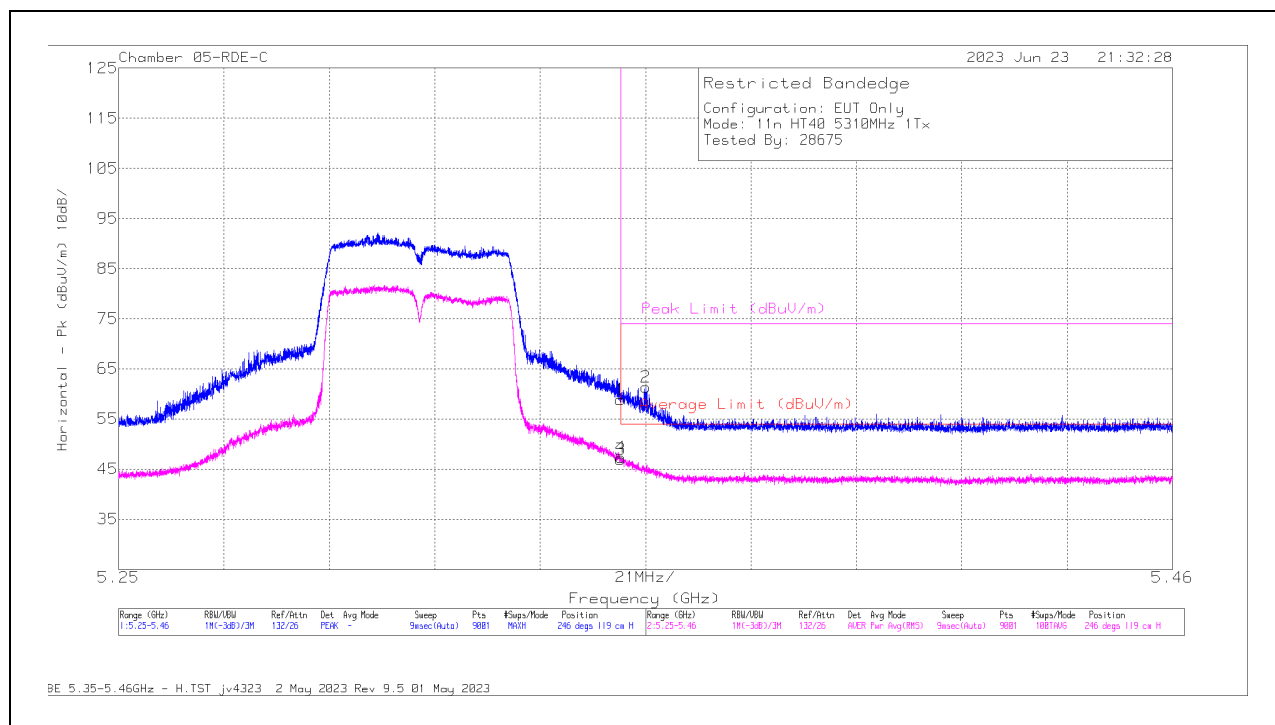
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	72.51	Pk	34.4	0	-39.6	67.31	-	-	74	-6.69	148	242	V
2	* 5.350075	72.94	Pk	34.4	0	-39.6	67.74	-	-	74	-6.26	148	242	V
3	* 5.35	54.12	RMS	34.4	.68	-39.6	49.60	54	-4.40	-	-	148	242	V
4	* 5.350052	54.8	RMS	34.4	.68	-39.6	50.28	54	-3.72	-	-	148	242	V

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

Pk - Peak detector

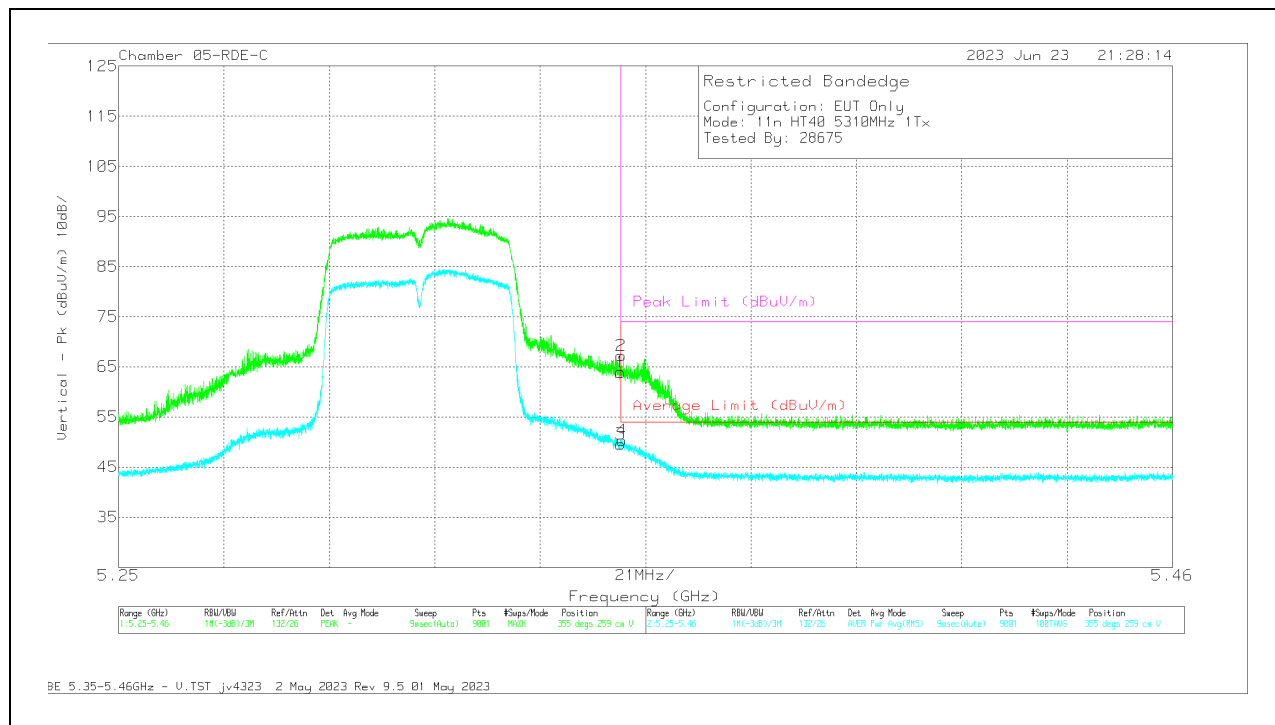
RMS - RMS detection

1TX Antenna 5**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	63.56	Pk	34.4	0	-39.12	58.84	-	-	74	-15.16	246	119	H
3	5.35	51.39	RMS	34.4	.68	-39.12	47.35	54	-6.65	-	-	246	119	H
4	5.350052	51.8	RMS	34.4	.68	-39.12	47.76	54	-6.24	-	-	246	119	H
2	5.355092	66.14	Pk	34.4	0	-39.16	61.38	-	-	74	-12.62	246	119	H

Pk - Peak detector

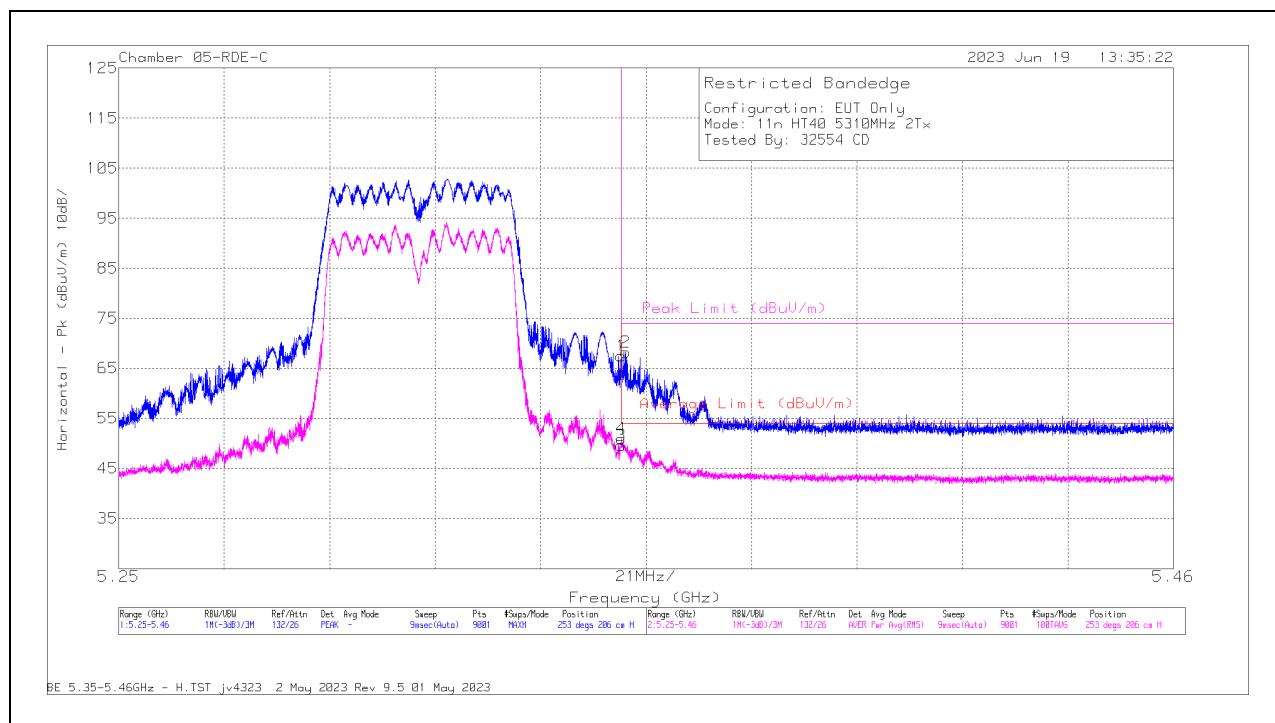
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	68.64	Pk	34.4	0	-39.12	63.92	-	-	74	-10.08	355	259	V
3	5.35	54	RMS	34.4	.68	-39.12	49.96	54	-4.04	-	-	355	259	V
2	5.350122	72.01	Pk	34.4	0	-39.13	67.28	-	-	74	-6.72	355	259	V
4	5.350332	54.82	RMS	34.4	.68	-39.14	50.76	54	-3.24	-	-	355	259	V

Pk - Peak detector

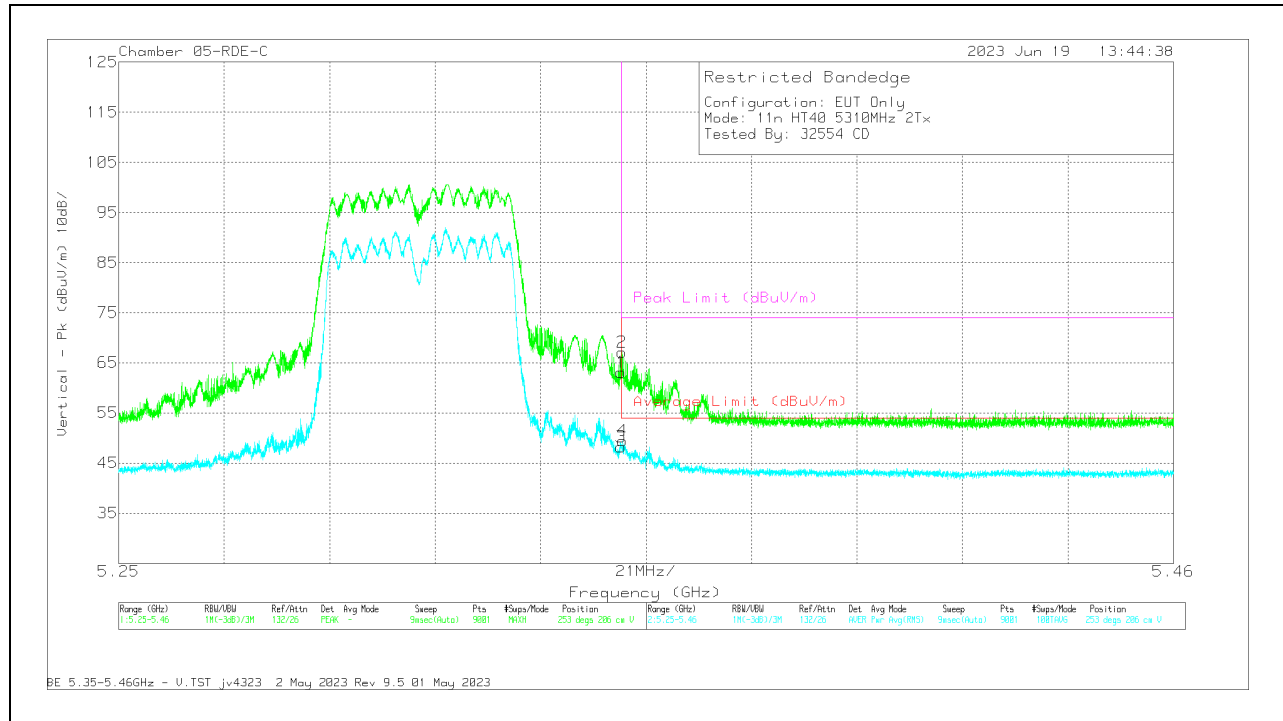
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	72.21	Pk	34.4	0	-39.12	67.49	-	-	74	-6.51	253	206	H
3	5.35	54.12	RMS	34.4	.68	-39.12	50.08	54	-3.92	-	-	253	206	H
4	5.350099	55.47	RMS	34.4	.68	-39.13	51.42	54	-2.58	-	-	253	206	H
2	5.350962	73.04	Pk	34.4	0	-39.18	68.26	-	-	74	-5.74	253	206	H

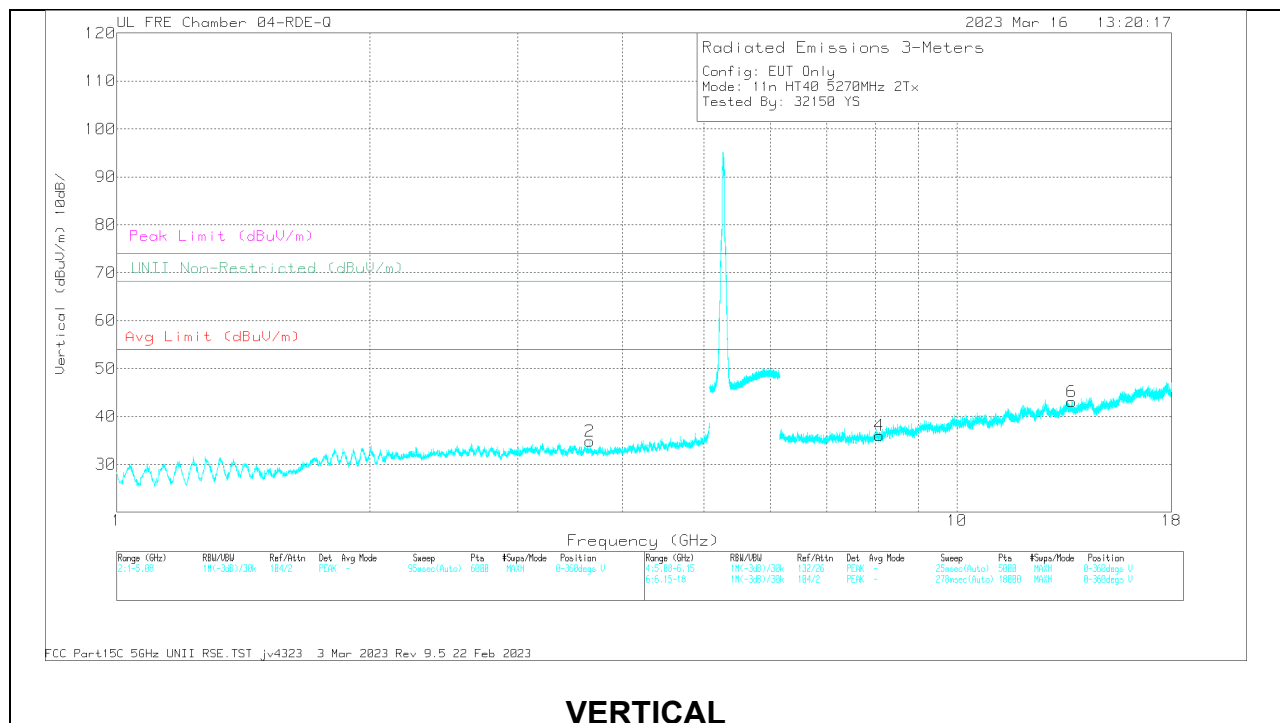
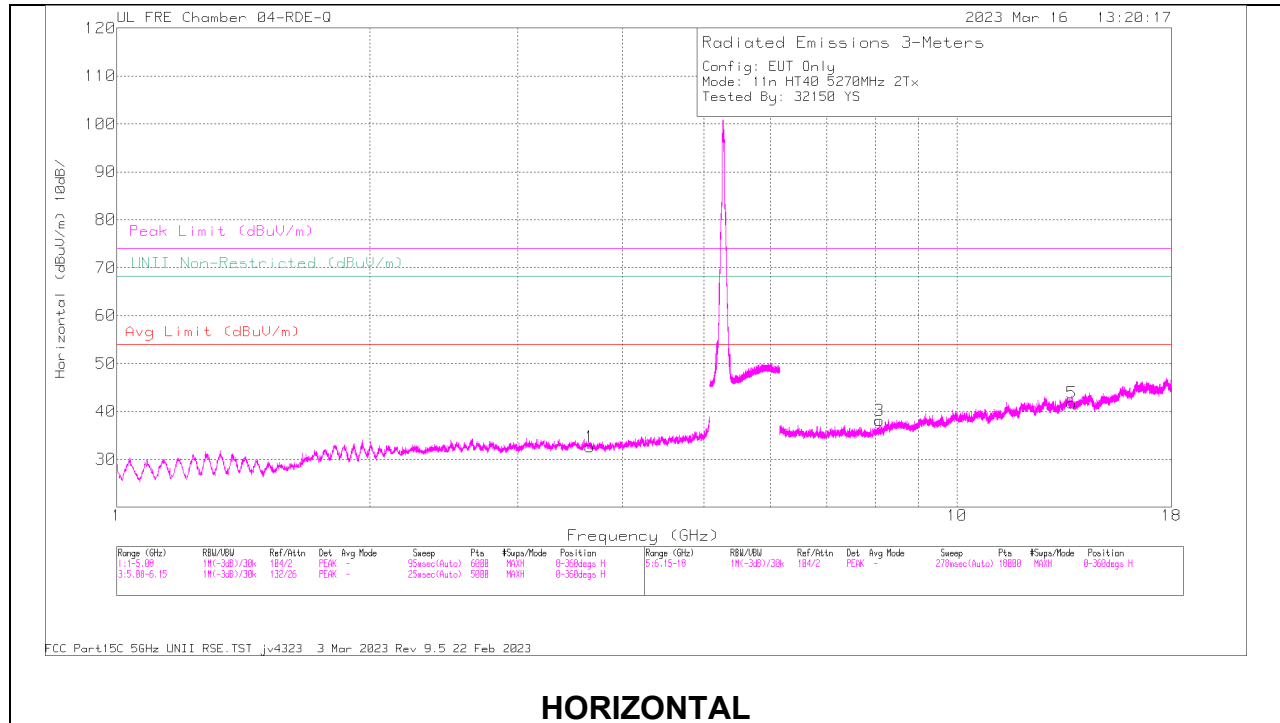
Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	67.81	Pk	34.4	0	-39.12	63.09	-	-	74	-10.91	253	206	V
3	5.35	52.77	RMS	34.4	.68	-39.12	48.73	54	-5.27	-	-	253	206	V
2	5.350145	71.84	Pk	34.4	0	-39.13	67.11	-	-	74	-6.89	253	206	V
4	5.350285	54	RMS	34.4	.68	-39.14	49.94	54	-4.06	-	-	253	206	V

Pk - Peak detector
RMS - RMS detection

2.1.19. 5.3GHz, HT40 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

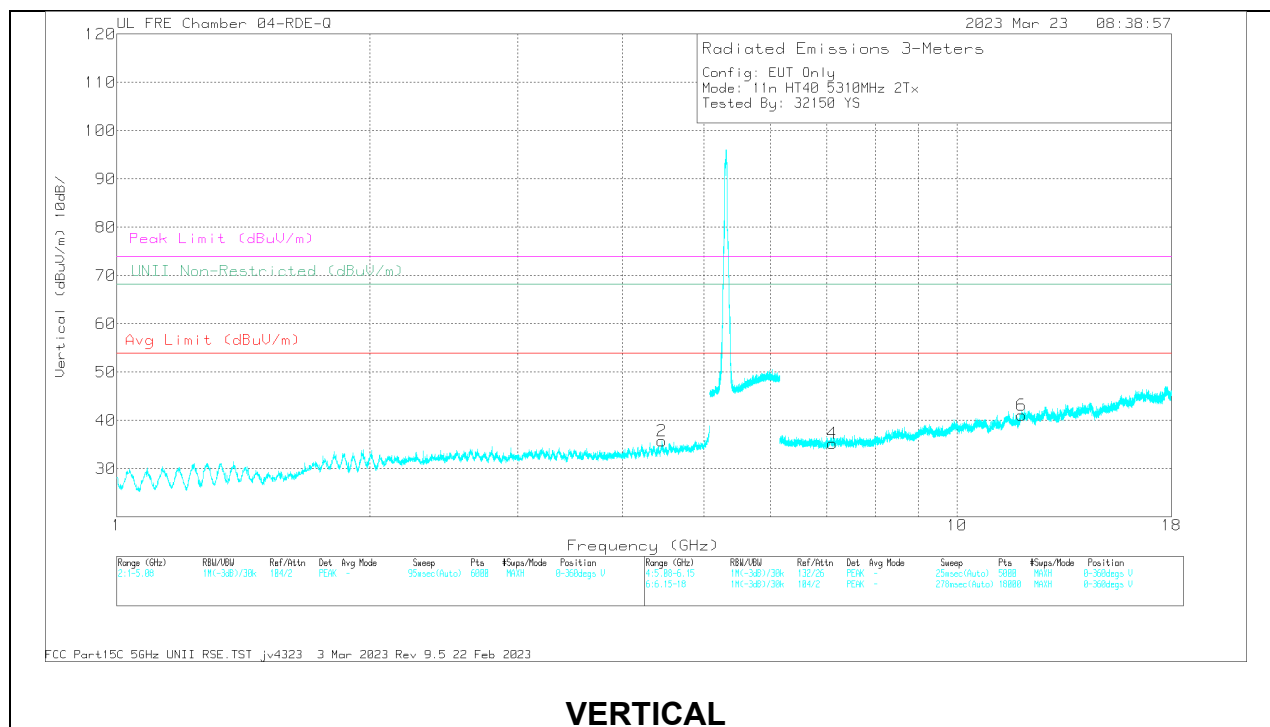
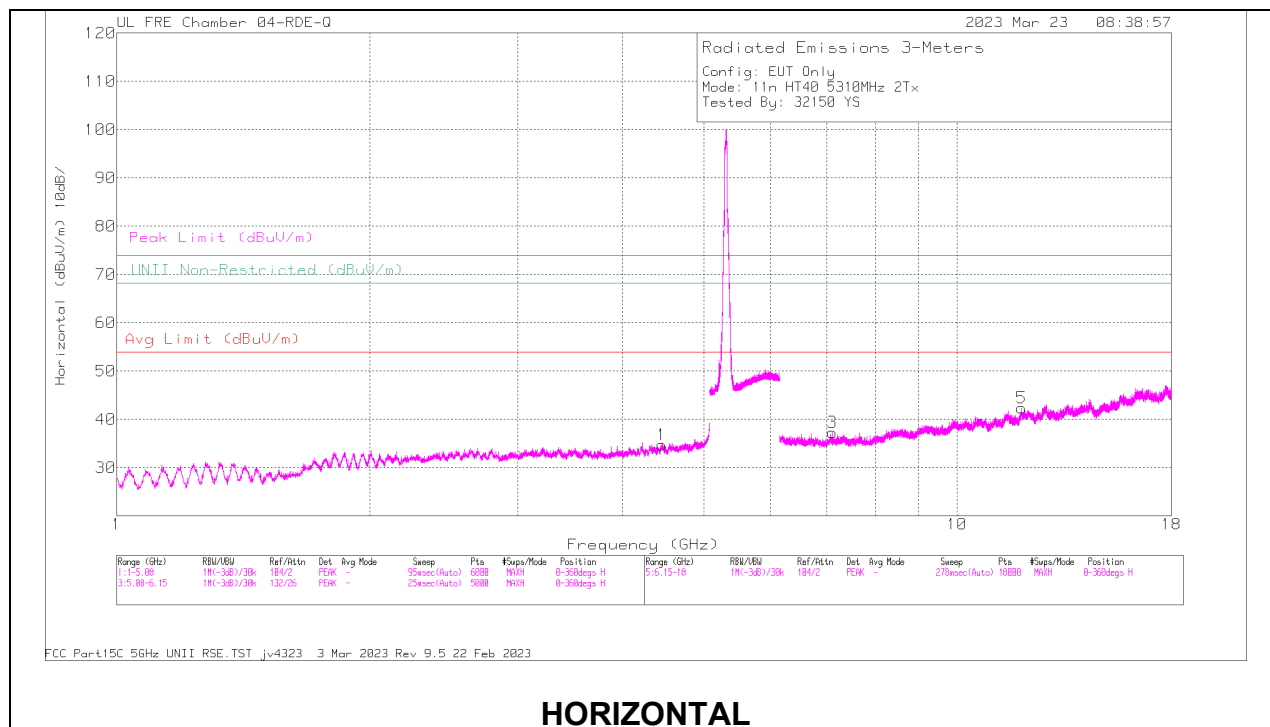
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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	* 3.654368	56.72	PK-U	32.9	-46.08	43.54	-	-	74	-30.46	-	-	205	199	H
1	* 3.654286	45.02	ADR	32.9	-46.08	31.84	54	-22.16	-	-	-	-	205	199	H
2	* 3.655176	56.6	PK-U	32.9	-46.11	43.39	-	-	74	-30.61	-	-	189	276	V
2	* 3.65421	45.05	ADR	32.9	-46.08	31.87	54	-22.13	-	-	-	-	189	276	V
3	* 8.07931	55.61	PK-U	35.8	-44.65	46.76	-	-	74	-27.24	-	-	97	257	H
3	* 8.081948	43.68	ADR	35.8	-44.67	34.81	54	-19.19	-	-	-	-	97	257	H
4	* 8.078926	55.75	PK-U	35.8	-44.64	46.91	-	-	74	-27.09	-	-	283	285	V
4	* 8.081902	43.98	ADR	35.8	-44.67	35.11	54	-18.89	-	-	-	-	283	285	V
6	13.695913	56.09	PK-U	39.3	-43.36	52.03	-	-	-	-	68.2	-16.17	42	317	V
5	13.698659	56.04	PK-U	39.3	-43.2	52.14	-	-	-	-	68.2	-16.06	192	152	H

* - 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

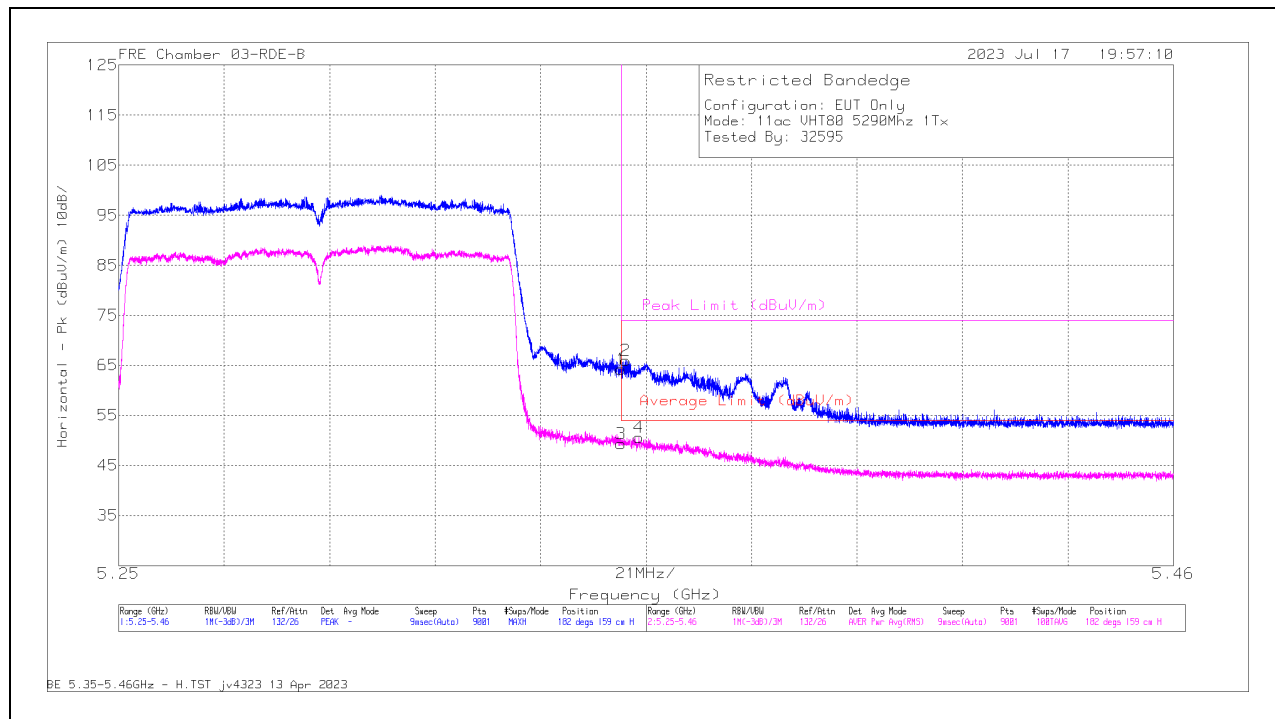
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 11.949412	54.47	PK-U	38.8	-42.65	50.62	-	-	74	-23.38	-	-	298	243	H
5	* 11.94942	42.93	ADR	38.8	-42.65	39.08	54	-14.92	-	-	-	-	298	243	H
6	* 11.949153	55.67	PK-U	38.8	-42.69	51.78	-	-	74	-22.22	-	-	225	192	V
6	* 11.950562	43.01	ADR	38.8	-42.59	39.22	54	-14.78	-	-	-	-	225	192	V
1	4.452851	57.34	PK-U	33.9	-46.22	45.02	-	-	-	-	68.2	-23.18	227	191	H
2	4.454109	57.12	PK-U	33.9	-46.21	44.81	-	-	-	-	68.2	-23.39	154	312	V
3	7.10584	55.08	PK-U	35.6	-44.7	45.98	-	-	-	-	68.2	-22.22	320	209	H
4	7.107005	55.62	PK-U	35.6	-44.75	46.47	-	-	-	-	68.2	-21.73	210	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

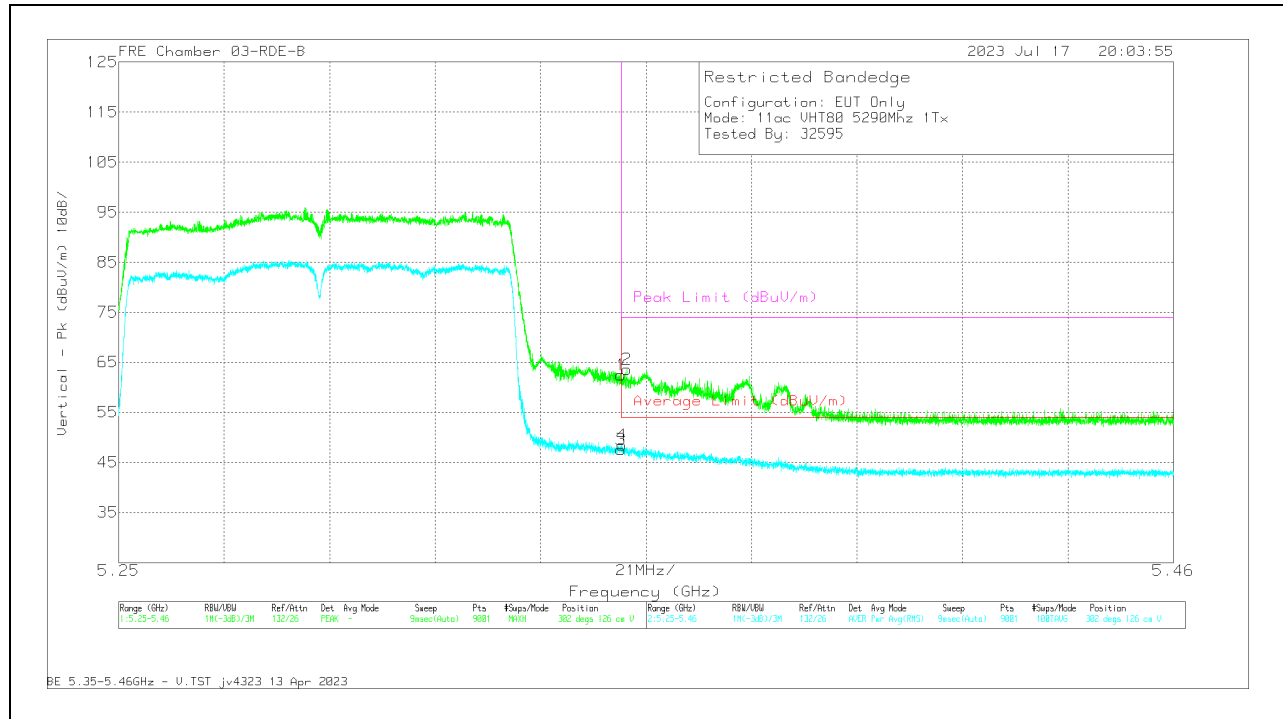
2.1.20. TX ABOVE 1 GHz, 802.11ac VHT80 MODE IN THE 5.3 GHz BAND**1TX Antenna 6****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	69.42	Pk	34.4	0	-39.6	64.22	-	-	74	-9.78	182	159	H
2	* 5.350892	71.14	PK	34.4	0	-39.6	65.94	-	-	74	-8.06	182	159	H
3	* 5.35	54.13	RMS	34.4	.45	-39.6	49.38	54	-4.62	-	-	182	159	H
4	* 5.353575	55.5	RMS	34.4	.45	-39.7	50.65	54	-3.35	-	-	182	159	H

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

Pk - Peak detector

RMS - RMS detection

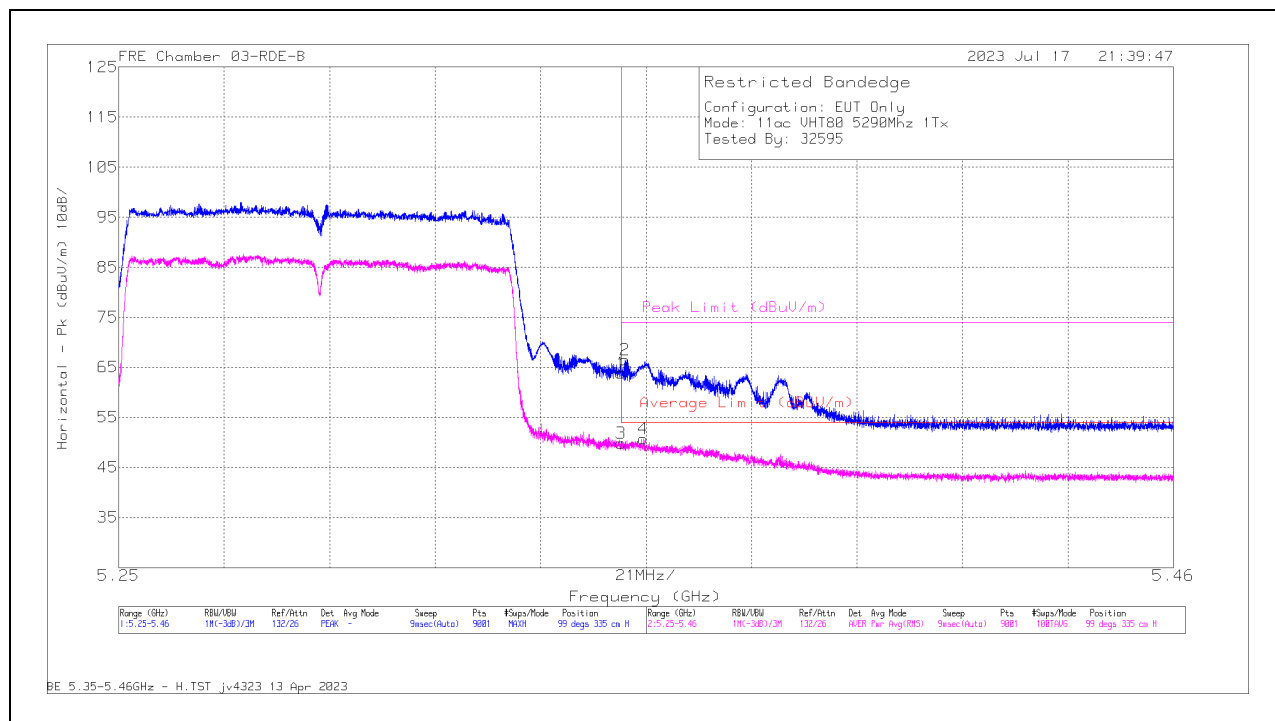
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	67.63	Pk	34.4	0	-39.6	62.43	-	-	74	-11.57	302	126	V
2	* 5.351149	68.77	Pk	34.4	0	-39.6	63.57	-	-	74	-10.43	302	126	V
3	* 5.35	52.37	RMS	34.4	.45	-39.6	47.62	54	-6.38	-	-	302	126	V
4	* 5.350169	53.18	RMS	34.4	.45	-39.6	48.43	54	-5.57	-	-	302	126	V

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

Pk - Peak detector

RMS - RMS detection

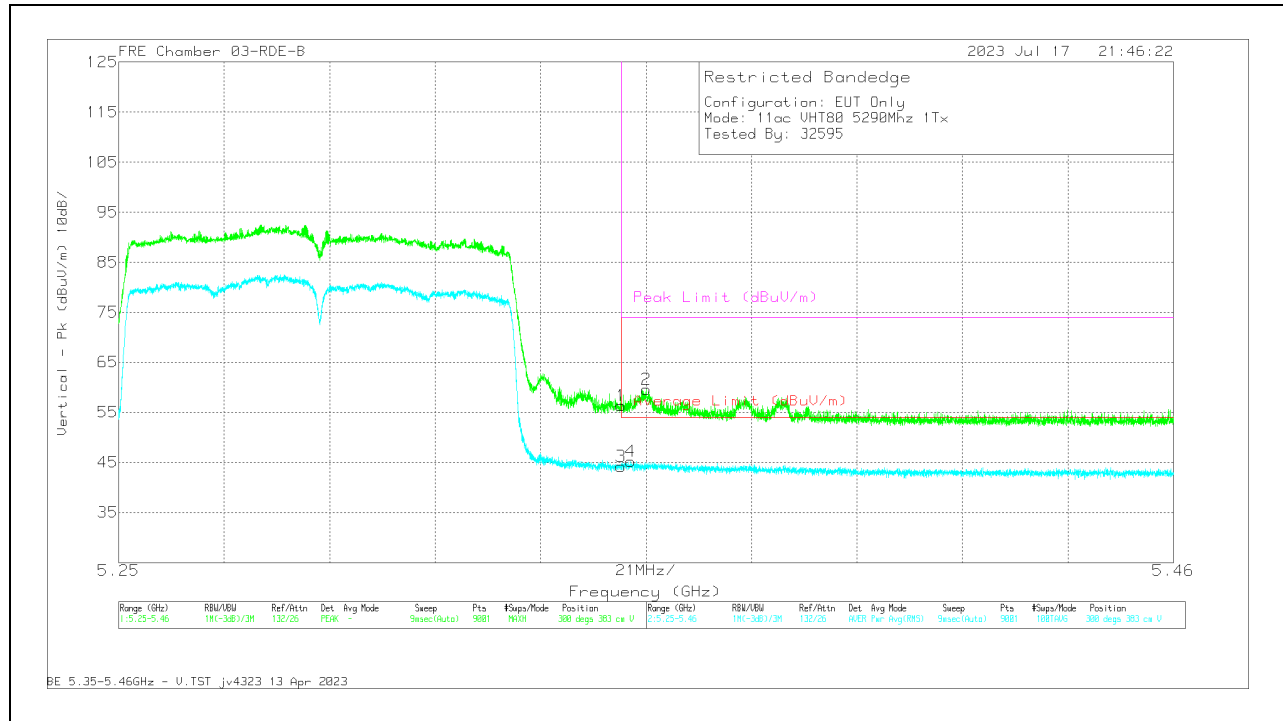
1TX Antenna 5**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	69.03	Pk	34.4	0	-39.6	63.83	-	-	74	-10.17	99	335	H
2	* 5.350869	71.65	Pk	34.4	0	-39.6	66.45	-	-	74	-7.55	99	335	H
3	* 5.35	54.62	RMS	34.4	.45	-39.6	49.87	54	-4.13	-	-	99	335	H
4	* 5.354415	55.6	RMS	34.4	.45	-39.66	50.79	54	-3.21	-	-	99	335	H

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

Pk - Peak detector

RMS - RMS detection

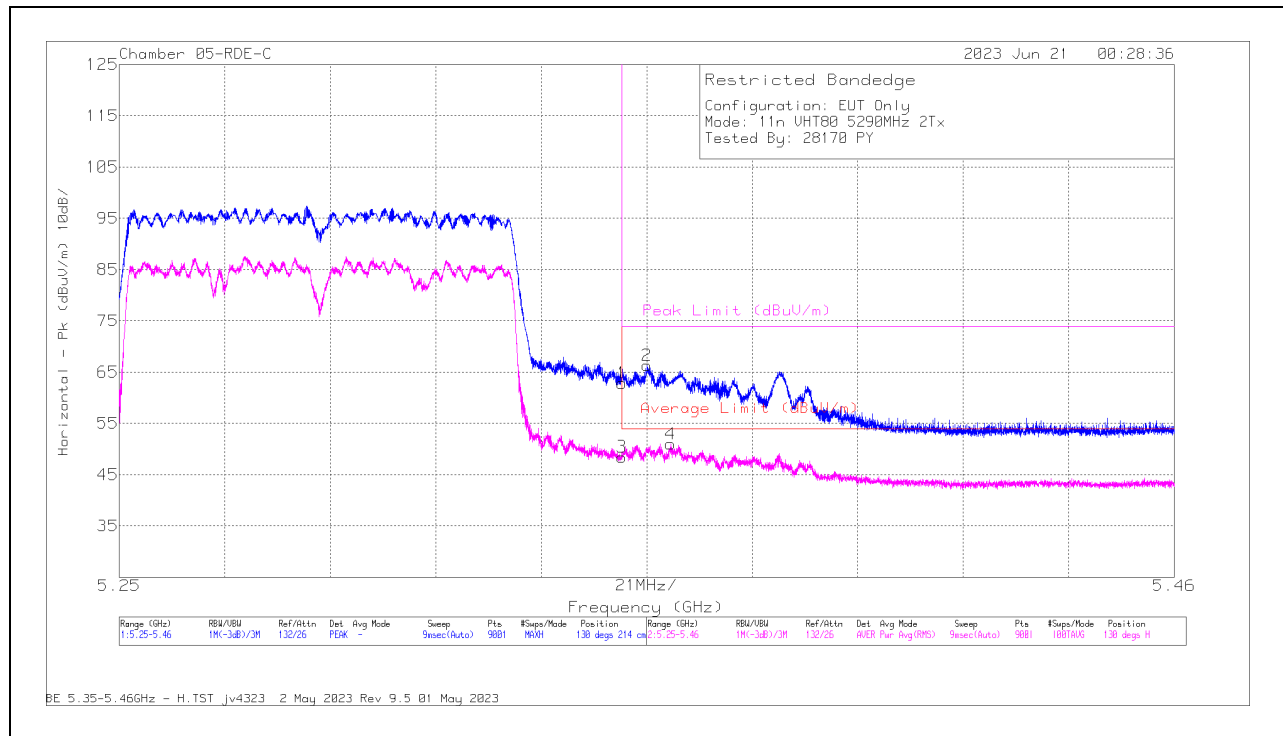
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	61.53	Pk	34.4	0	-39.6	56.33	-	-	74	-17.67	300	383	V
2	* 5.355069	64.76	Pk	34.4	0	-39.6	59.56	-	-	74	-14.44	300	383	V
3	* 5.35	48.98	RMS	34.4	.45	-39.6	44.24	54	-9.76	-	-	300	383	V
4	* 5.351989	49.98	RMS	34.4	.45	-39.6	45.24	54	-8.76	-	-	300	383	V

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

Pk - Peak detector

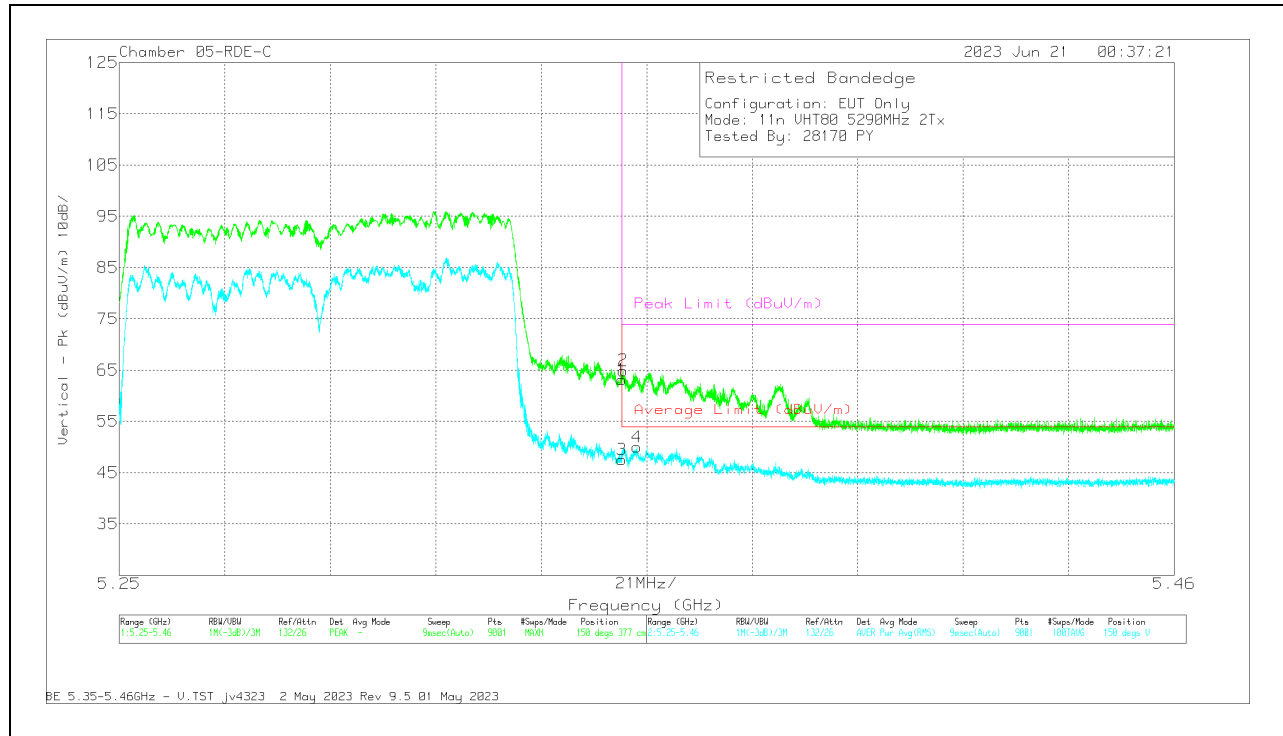
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	67.57	Pk	34.4	0	-39.12	62.85	-	-	74	-11.15	130	214	H
2	5.355092	71.07	Pk	34.4	0	-39.16	66.31	-	-	74	-7.69	130	214	H
3	5.35	52.71	RMS	34.4	.45	-39.12	48.44	54	-5.56	-	-	130	214	H
4	5.359735	55.31	RMS	34.4	.45	-39.2	50.96	54	-3.04	-	-	130	214	H

Pk - Peak detector

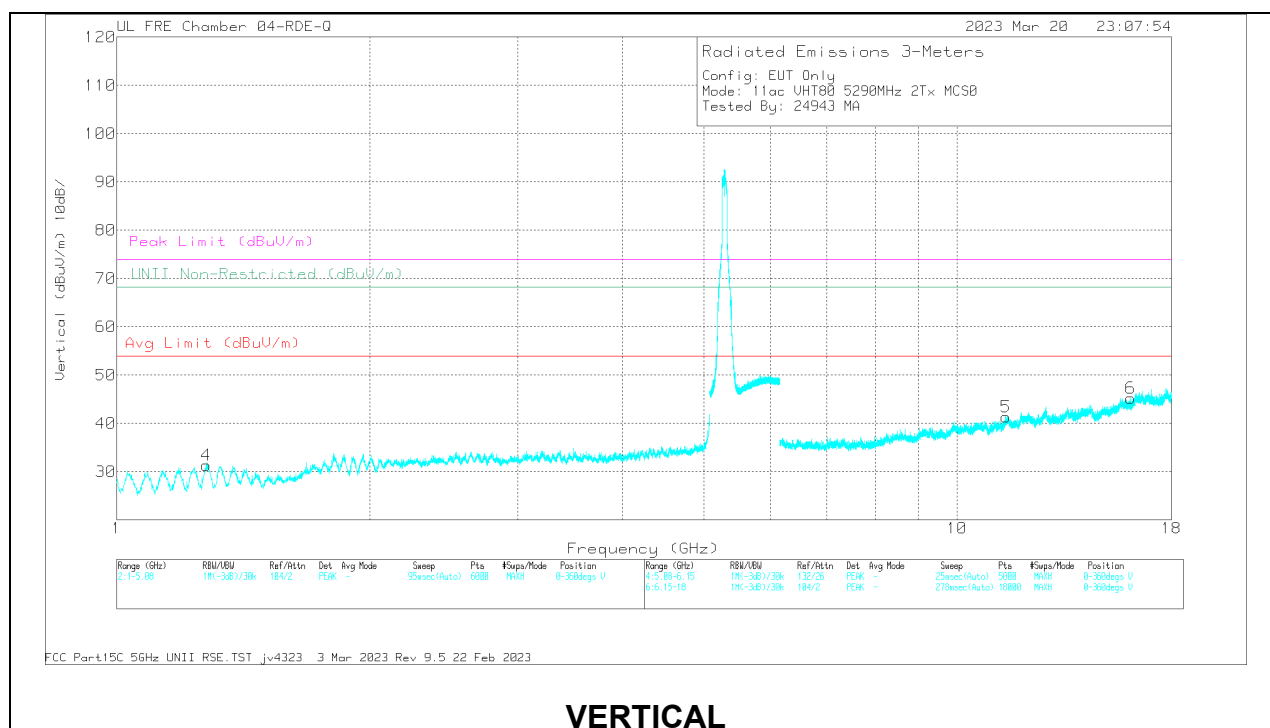
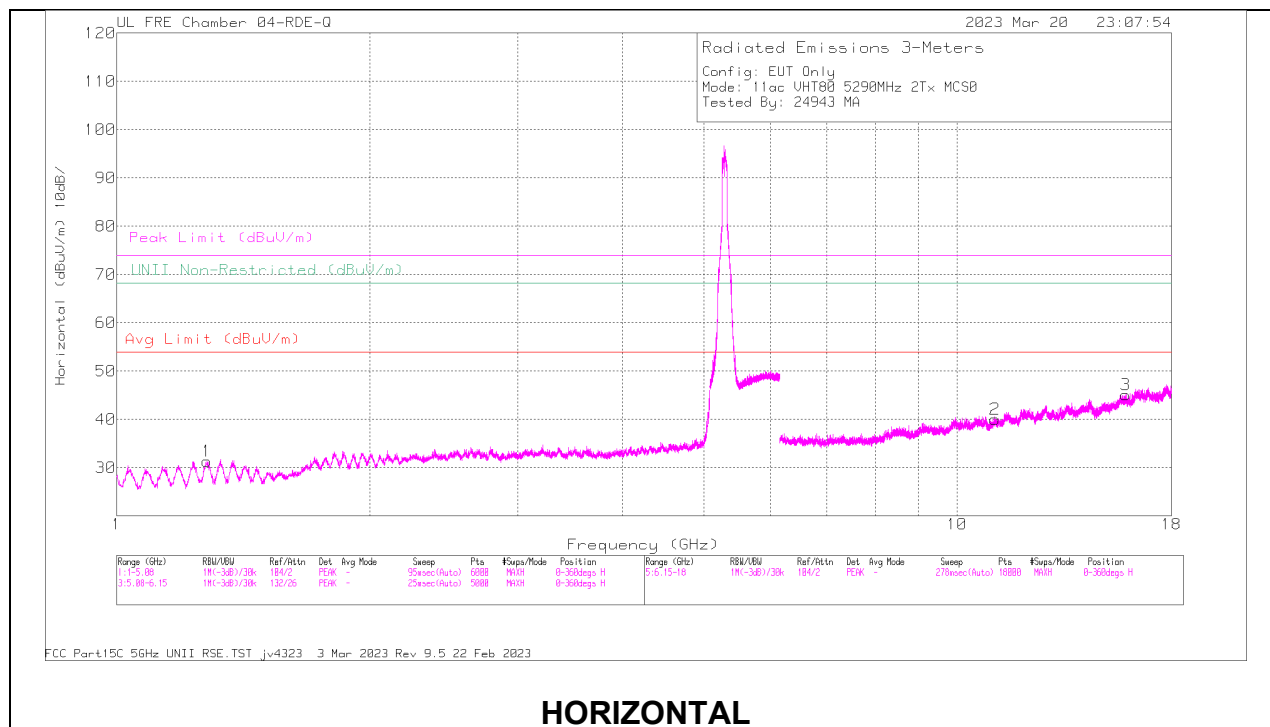
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	67.84	Pk	34.4	0	-39.12	63.12	-	-	74	-10.88	150	377	V
2	5.350285	69.64	Pk	34.4	0	-39.14	64.9	-	-	74	-9.1	150	377	V
3	5.35	51.82	RMS	34.4	.45	-39.12	47.55	54	-6.45	-	-	150	377	V
4	5.353015	54.34	RMS	34.4	.45	-39.21	49.98	54	-4.02	-	-	150	377	V

Pk - Peak detector

RMS - RMS detection

2.1.21. 5.3GHz, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS**MID CHANNEL RESULTS**

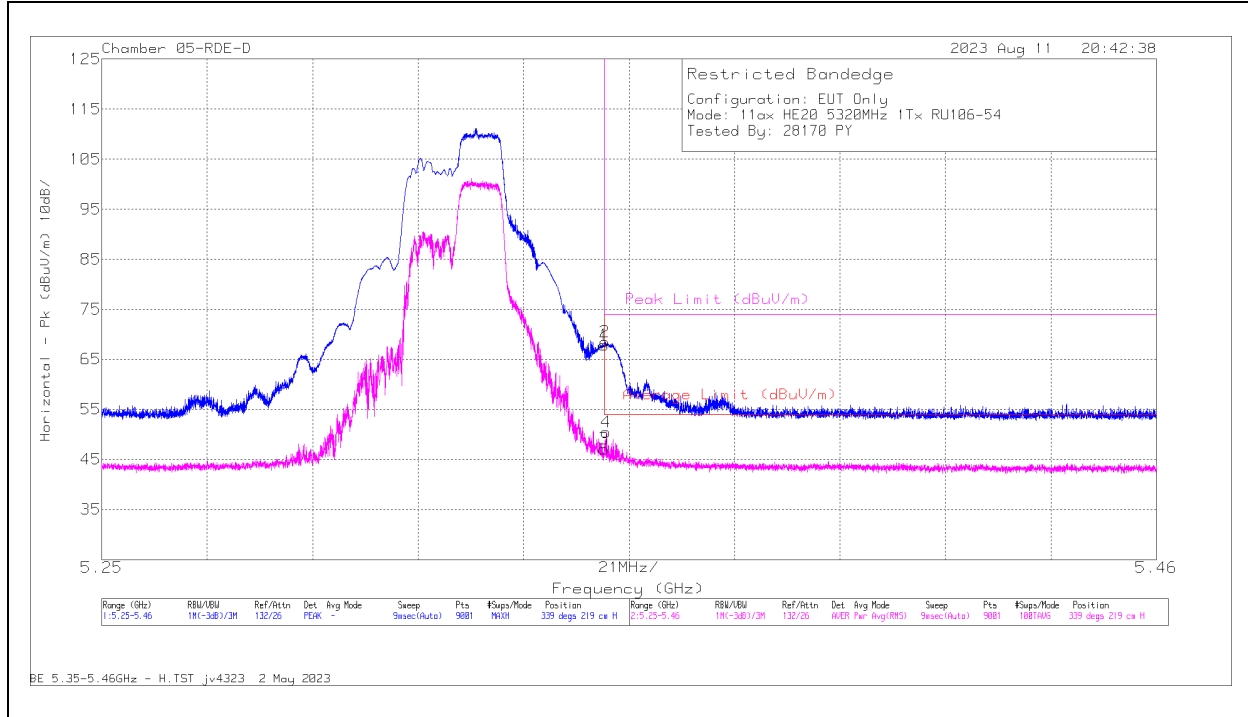
RADIATED EMISSIONS

Marker	Frequency (GHz)	Marker Reading (dBuV)	Dist	S4796 ACP (dB) - 3m	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (deg)	Height (m)	Polarity
1	* 1.280342	60.29	PK-U	29	0	-47.54	41.75	-	-	74	-32.25	-	-	0	100	H
	* 1.281125	48.55	ADR	29	.09	-47.56	30.08	54	-23.92	-	-	-	-	0	100	H
4	* 1.278074	59.76	PK-U	29	0	-47.63	41.13	-	-	74	-32.87	-	-	0	201	V
	* 1.279151	48.38	ADR	29	.09	-47.61	29.86	54	-24.14	-	-	-	-	0	201	V
2	* 11.099575	56	PK-U	38	0	-44.4	49.6	-	-	74	-24.4	-	-	0	100	H
	* 11.097493	44.32	ADR	38	.09	-44.5	37.91	54	-16.09	-	-	-	-	0	100	H
3	* 15.878576	55.43	PK-U	40.6	0	-42.24	53.79	-	-	74	-20.21	-	-	0	100	H
	* 15.879335	43.69	ADR	40.6	.09	-42.24	42.14	54	-11.86	-	-	-	-	0	100	H
4	* 11.433304	58.53	PK-U	38.3	0	-44.28	50.55	-	-	74	-23.45	-	-	0	201	V
	* 11.434911	45.01	ADR	38.3	.09	-44.24	39.16	54	-14.84	-	-	-	-	0	201	V
6	* 16.094177	55.3	PK-U	40.7	0	-42.36	53.64	-	-	74	-20.36	-	-	0	200	V
	* 16.095158	43.33	ADR	40.7	.09	-42.4	41.72	54	-12.28	-	-	-	-	0	200	V

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

PK-U - U-NII: Maximum Peak

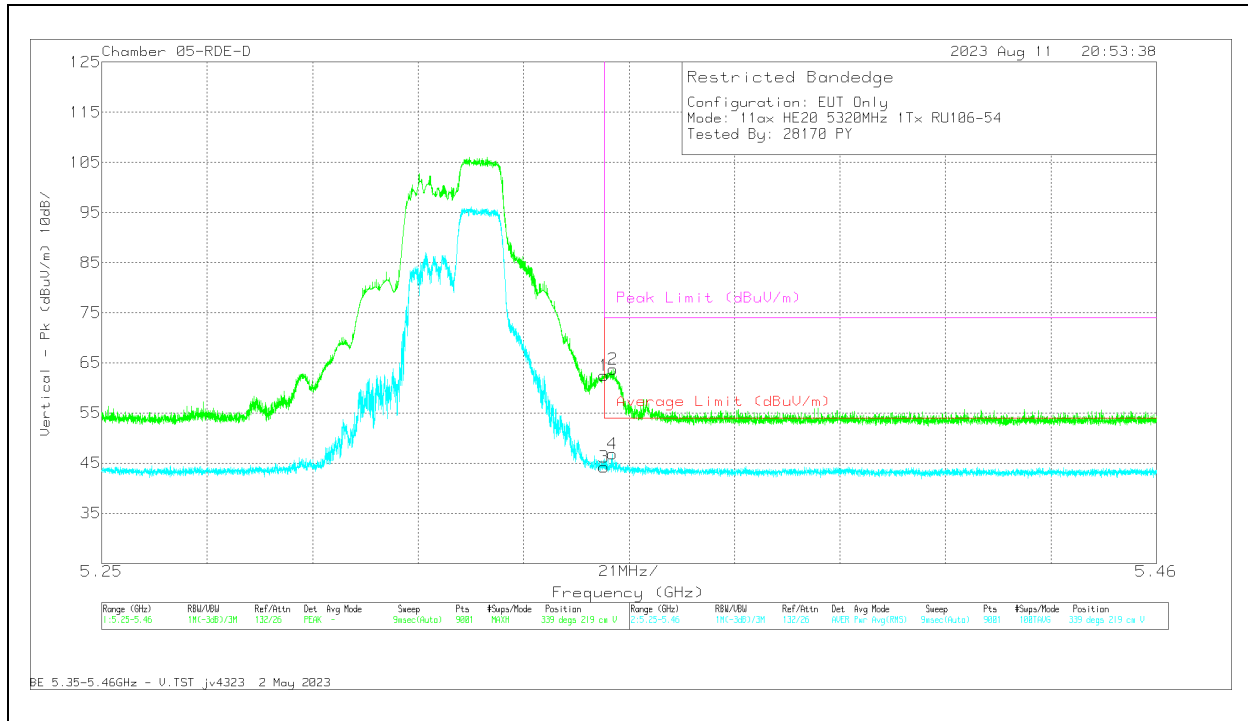
ADR - U-NII AD primary method, RMS average

2.1.22. TX ABOVE 1 GHz, 802.11ax HE20 RU106 IN THE 5.3GHz BAND**1TX Antenna 6 MODE: 106-Tones, RU Index 54****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	5.35	71.38	Pk	34.9	0	-38.42	67.86	-	-	74	-6.14	339	219	H
3	5.35	50.24	RMS	34.9	.38	-38.42	47.10	54	-6.90	-	-	339	219	H
2	5.350239	71.98	Pk	34.9	0	-38.42	68.46	-	-	74	-5.54	339	219	H
4	5.350425	53.67	RMS	34.9	.38	-38.41	50.54	54	-3.46	-	-	339	219	H

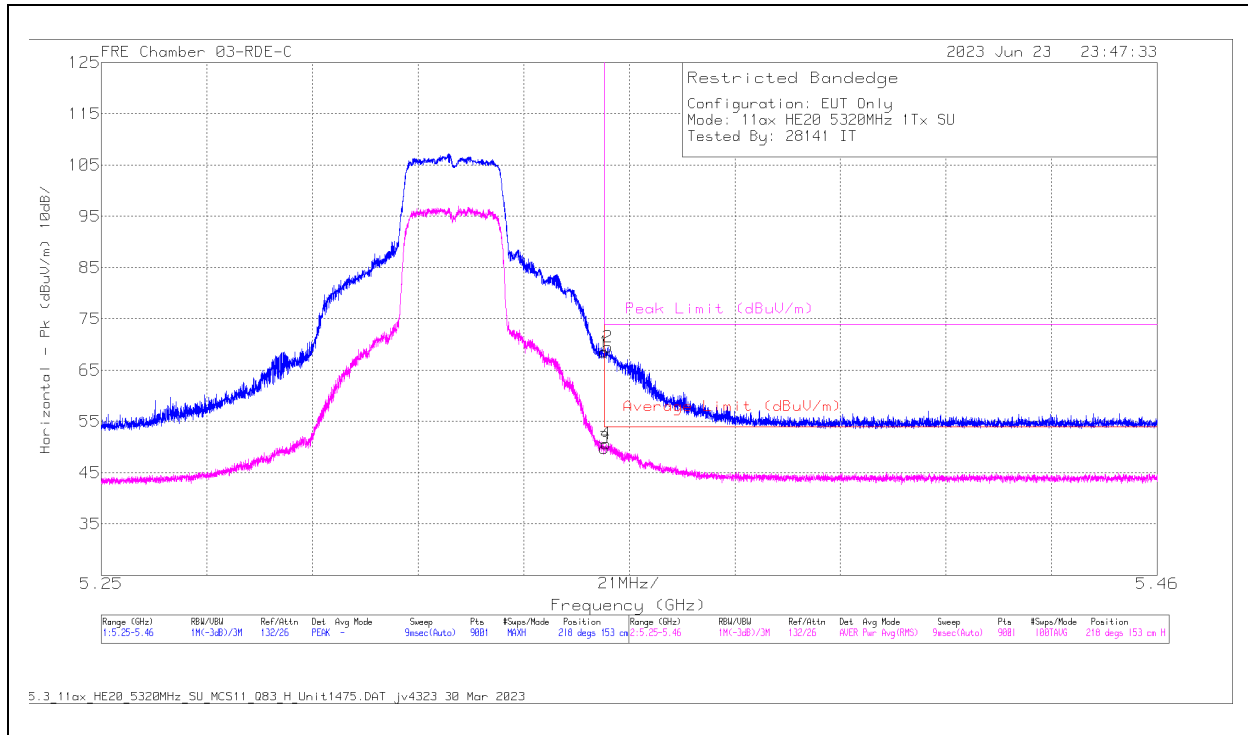
Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

Pk - Peak detector

RMS - RMS detection

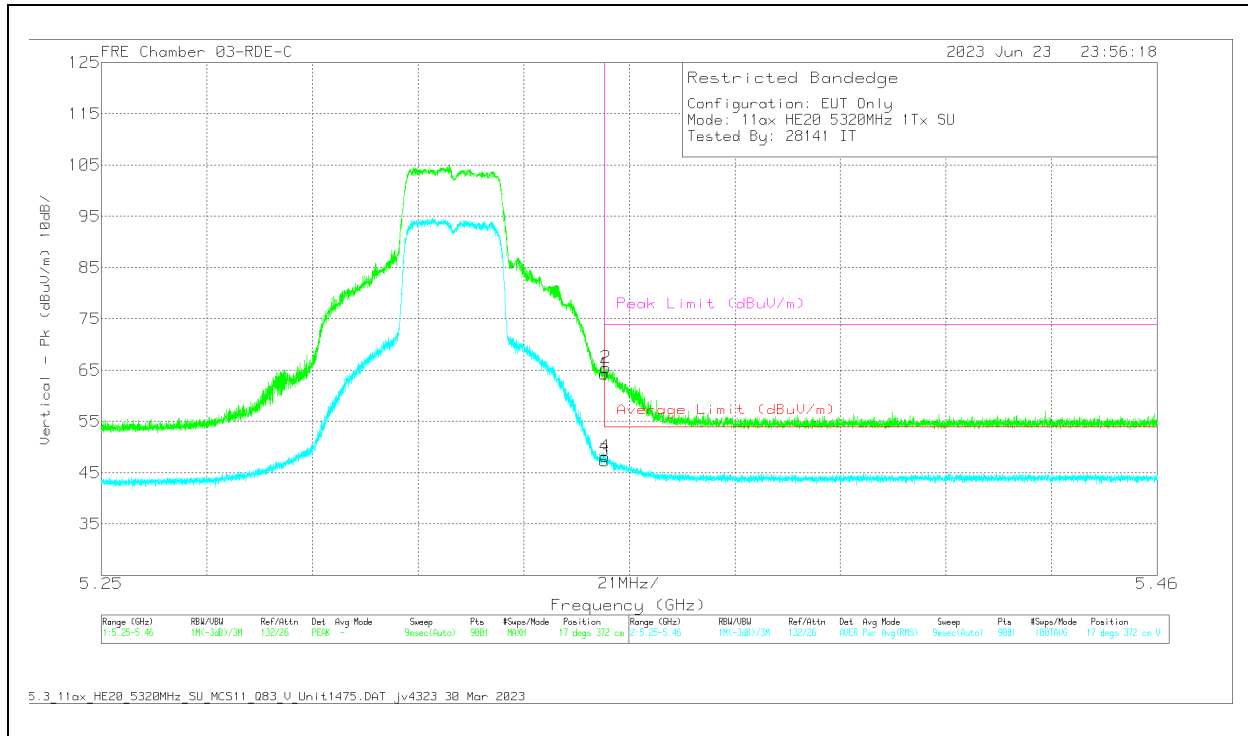
1TX Antenna 6 MODE: SU, Single User**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	72.02	Pk	34.5	0	-38	68.52	-	-	74	-5.48	218	153	H
2	* 5.350775	72.99	Pk	34.5	0	-38	69.49	-	-	74	-4.51	218	153	H
3	* 5.35	52.73	RMS	34.5	.57	-38	49.80	54	-4.20	-	-	218	153	H
4	* 5.350449	53.56	RMS	34.5	.57	-38	50.63	54	-3.37	-	-	218	153	H

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

Pk - Peak detector

RMS - RMS detection

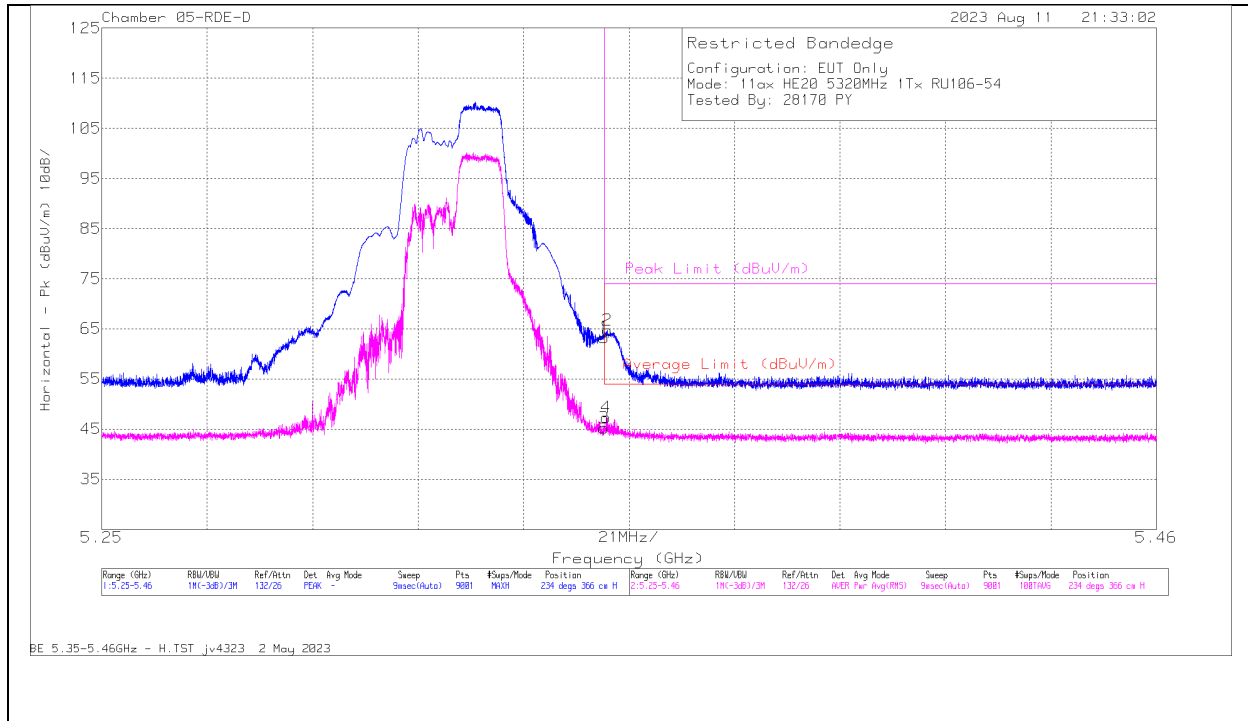
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	67.82	Pk	34.5	0	-38	64.32	-	-	74	-9.68	17	372	V
2	* 5.350355	68.99	Pk	34.5	0	-38	65.49	-	-	74	-8.51	17	372	V
3	* 5.35	50.27	RMS	34.5	.57	-38	47.34	54	-6.66	-	-	17	372	V
4	* 5.350122	51.11	RMS	34.5	.57	-38	48.18	54	-5.82	-	-	17	372	V

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

Pk - Peak detector

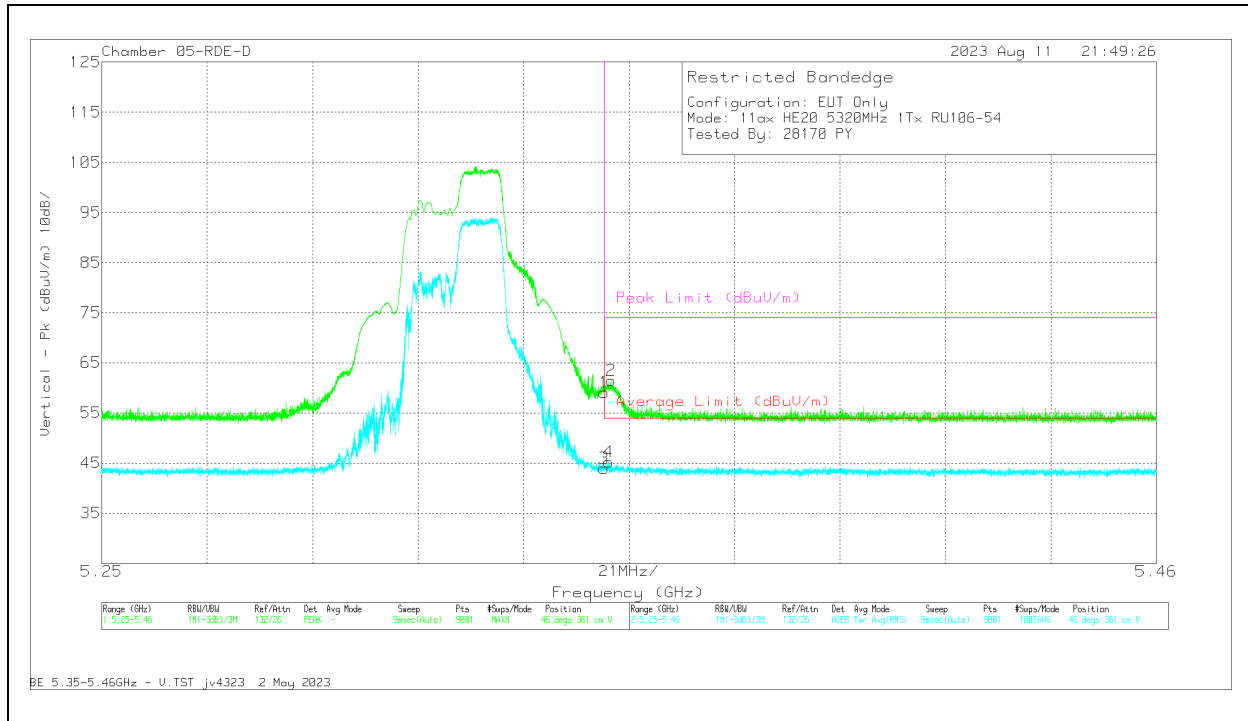
RMS - RMS detection

1TX Antenna 5 MODE: 106-Tones, RU Index 54**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	66.81	Pk	34.9	0	-38.42	63.29	-	-	74	-10.71	234	366	H
3	5.35	48.36	RMS	34.9	.38	-38.42	45.22	54	-8.78	-	-	234	366	H
4	5.350472	50.41	RMS	34.9	.38	-38.41	47.27	54	-6.73	-	-	234	366	H
2	5.350635	68.19	Pk	34.9	0	-38.41	64.67	-	-	74	-9.32	234	366	H

Pk - Peak detector

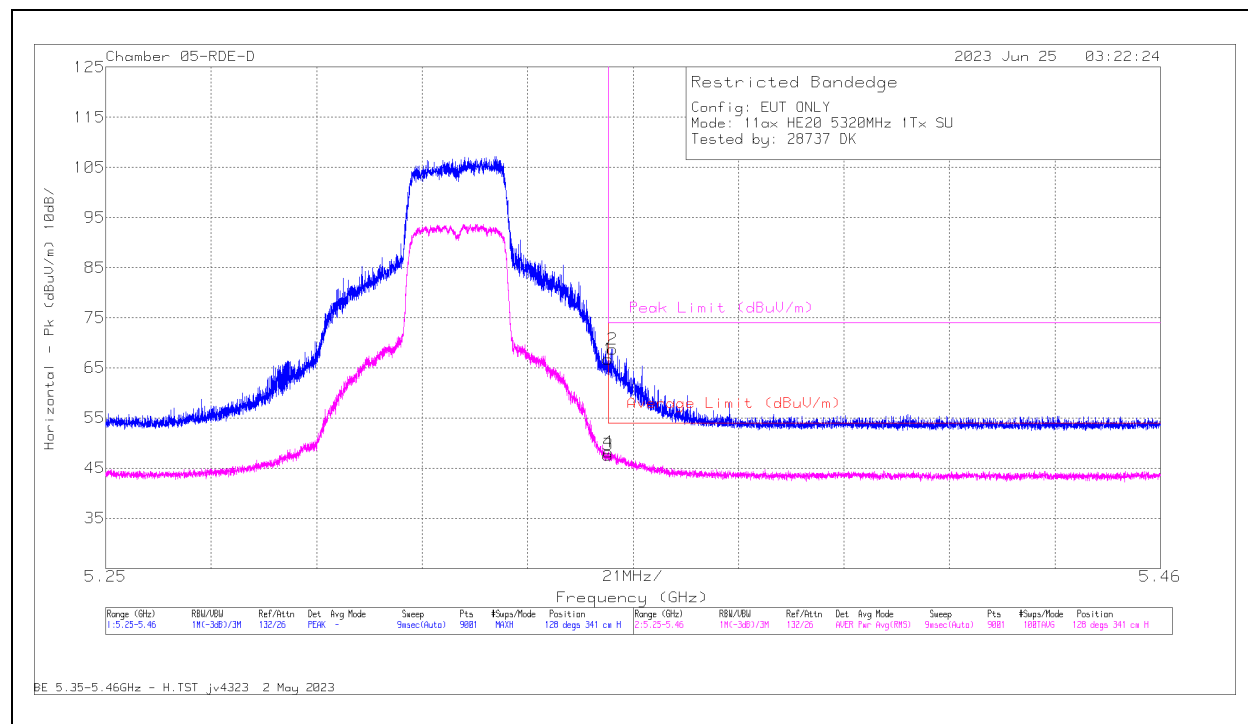
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3MHz	DCCF (dB)	Gain/Loss (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	62.62	Pk	34.9	0	-38.42	59.1	-	-	74	-14.9	46	361	V
3	5.35	47.14	RMS	34.9	.38	-38.42	44.00	54	-10.00	-	-	46	361	V
4	5.350985	48.32	RMS	34.9	.38	-38.4	45.20	54	-8.809	-	-	46	361	V
2	5.351452	64.91	Pk	34.9	0	-38.38	61.43	-	-	74	-12.57	46	361	V

Pk - Peak detector

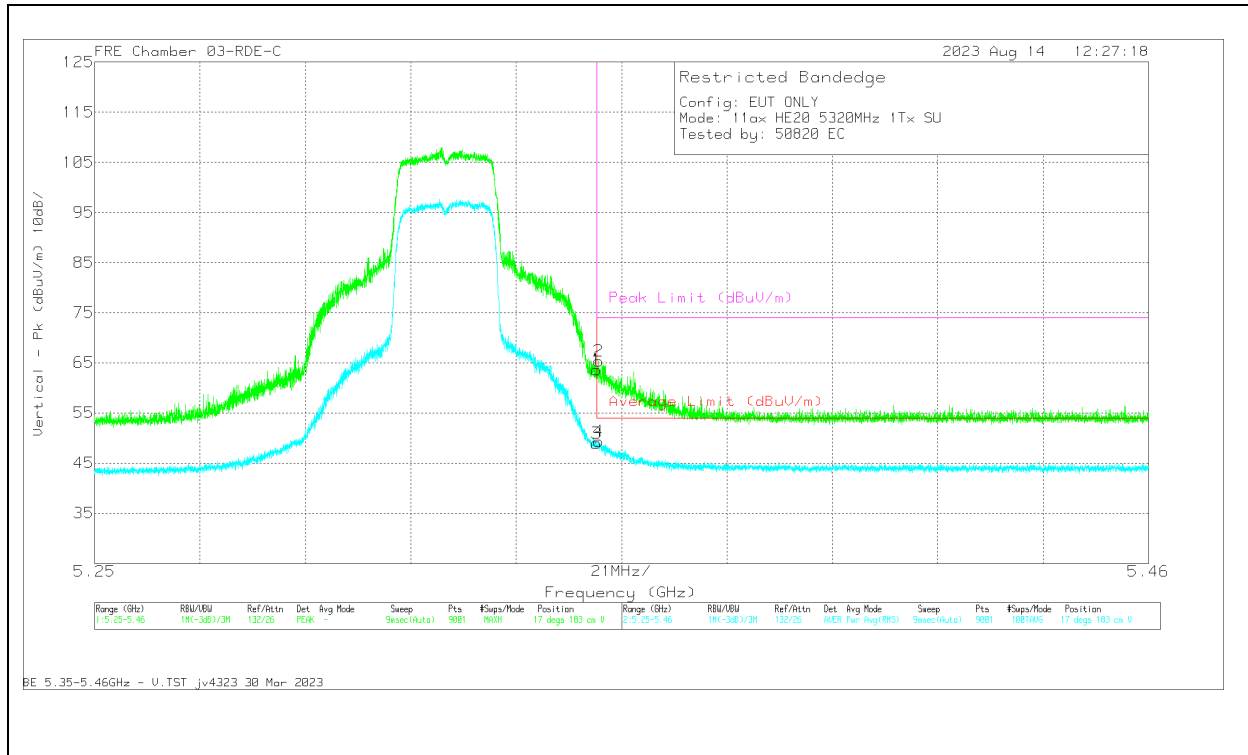
RMS - RMS detection

1TX Antenna 5 MODE: SU, Single User**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	70.44	Pk	34.7	0	-38.42	66.72	-	-	74	-7.28	128	341	H
2	5.350985	72.49	Pk	34.7	0	-38.4	68.79	-	-	74	-5.21	128	341	H
3	5.35	50.78	RMS	34.7	.57	-38.42	47.63	54	-6.37	-	-	128	341	H
4	5.350075	51.3	RMS	34.7	.57	-38.42	48.15	54	-5.85	-	-	128	341	H

Pk - Peak detector

RMS - RMS detection

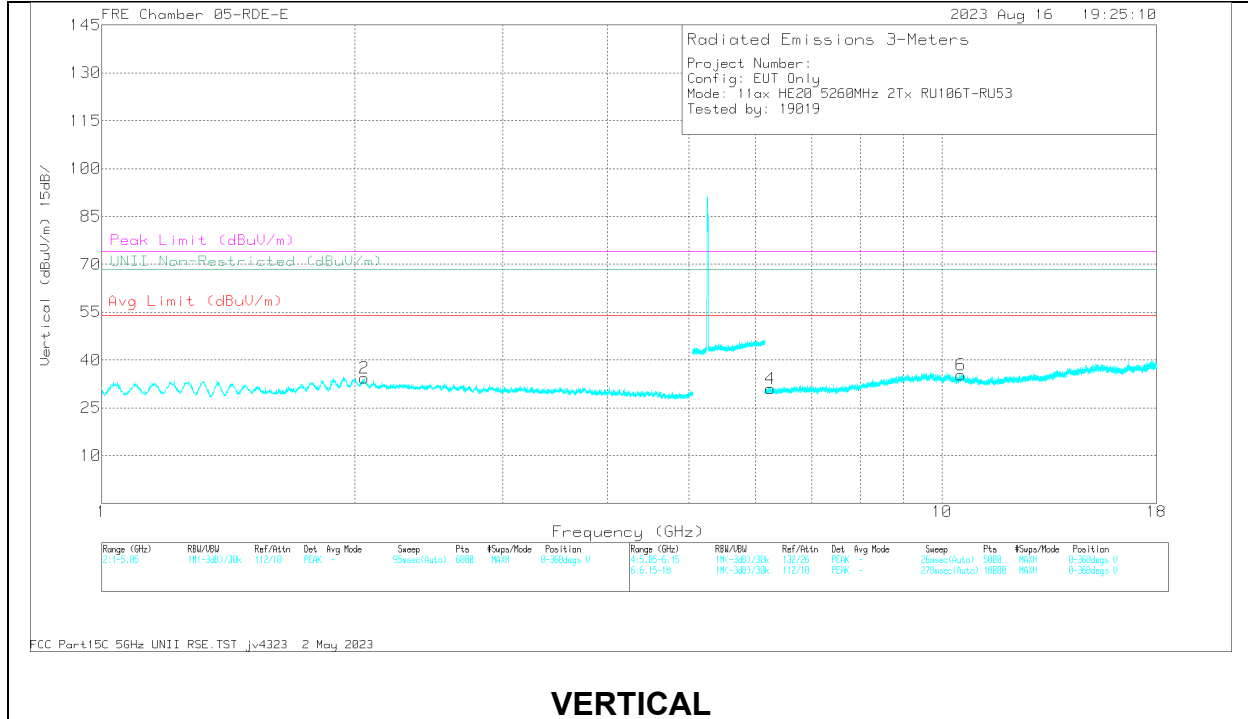
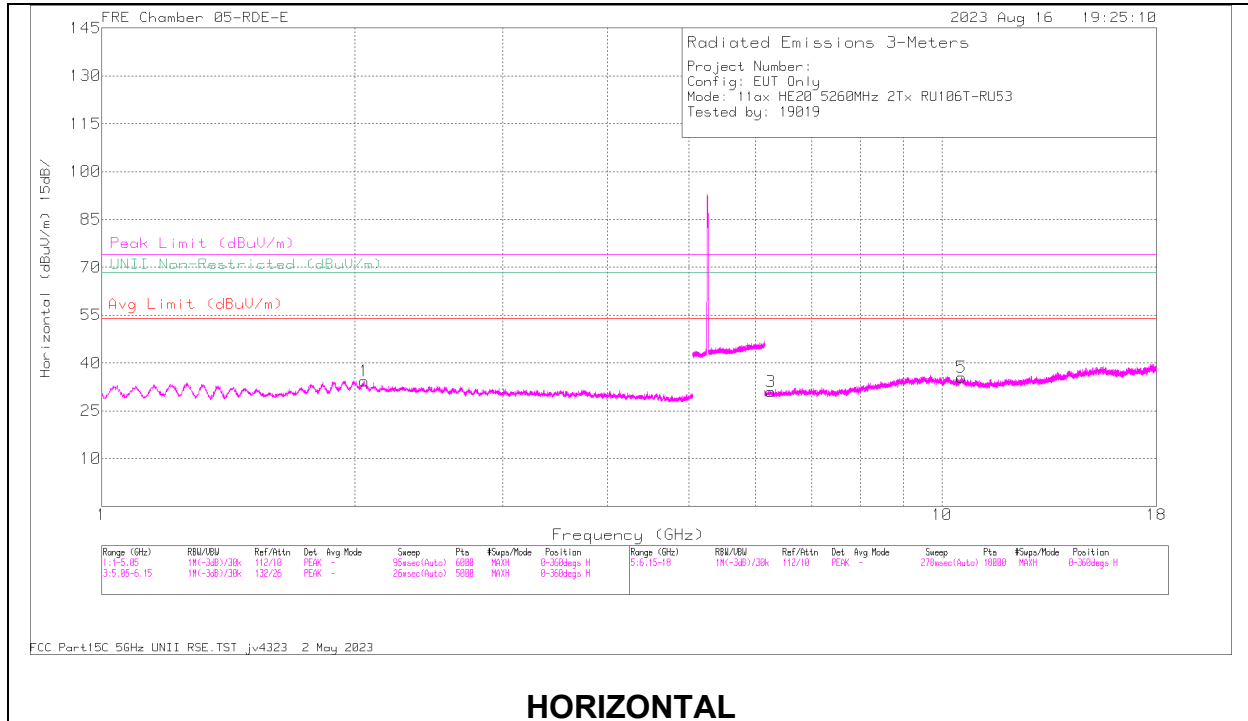
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	67.09	Pk	34.5	0	-38	63.59	-	-	74	-10.41	17	183	V
2	* 5.350449	68.87	Pk	34.5	0	-38	65.37	-	-	74	-8.63	17	183	V
3	* 5.35	51.84	RMS	34.5	.57	-38	48.91	54	-5.09	-	-	17	183	V
4	* 5.350425	52.28	RMS	34.5	.57	-38	49.35	54	-4.65	-	-	17	183	V

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

PK - Peak detector

RMS - RMS detection

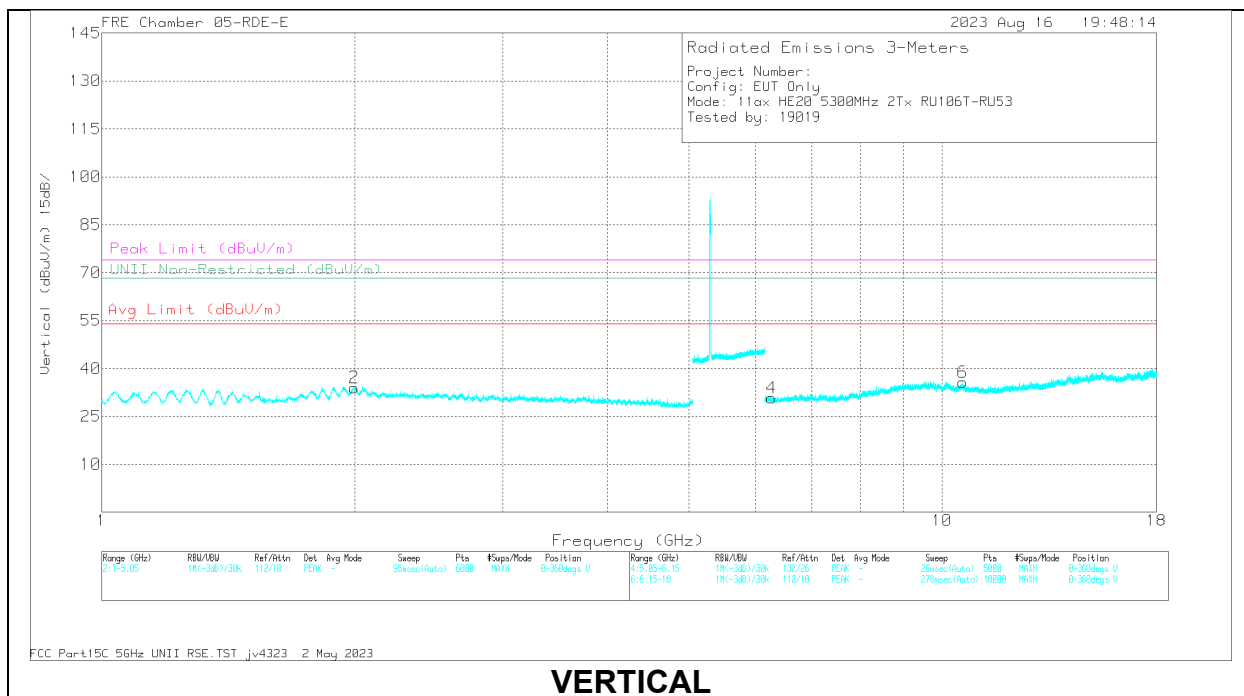
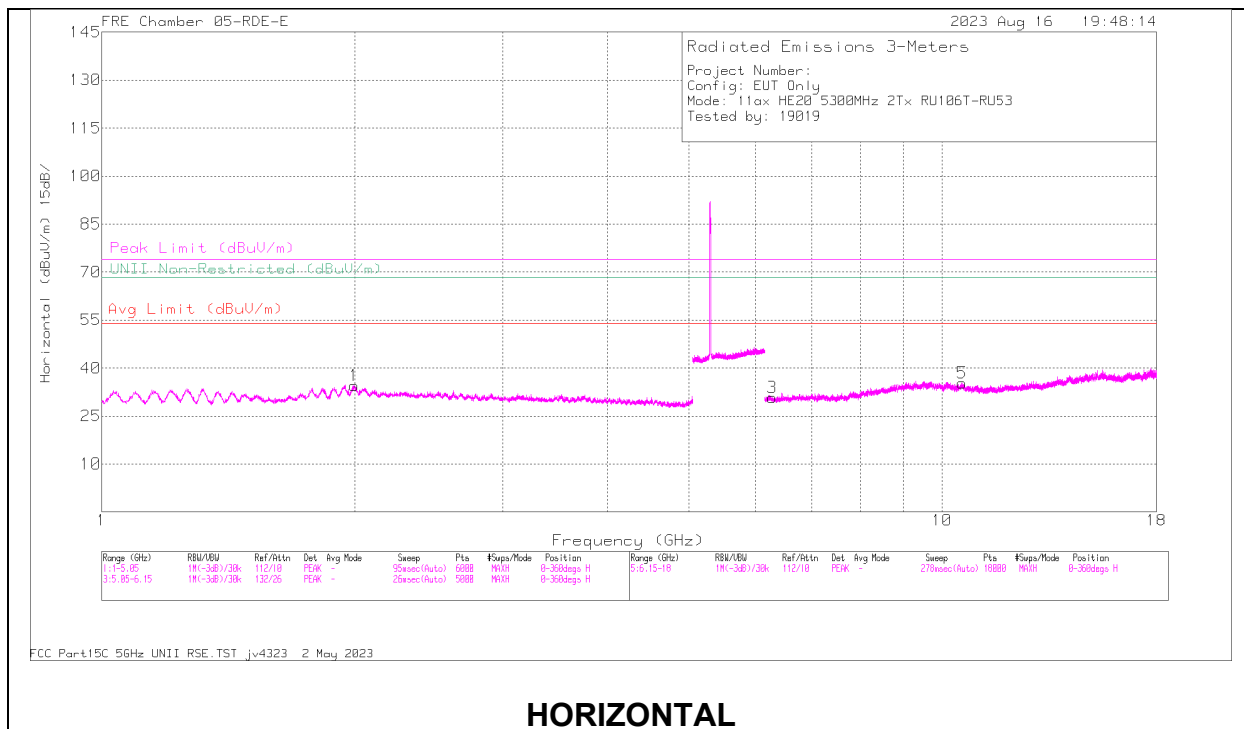
2.1.23. 5.3GHz, 11ax HE20 RU106 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.05157	62.57	PK-U	31.5	-50.29	43.78	68.2	-24.42	170	149	V
1	2.052569	62.79	PK-U	31.5	-50.26	44.03	68.2	-24.17	360	127	H
4	6.250118	50.91	PK-U	35.5	-45.22	41.19	68.2	-27.01	47	161	V
3	6.255412	51	PK-U	35.5	-45.24	41.26	68.2	-26.94	91	170	H
6	10.532815	52.45	PK-U	37.8	-45.74	44.51	68.2	-23.69	94	175	V
5	10.546435	52.07	PK-U	37.8	-45.43	44.44	68.2	-23.76	66	179	H

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

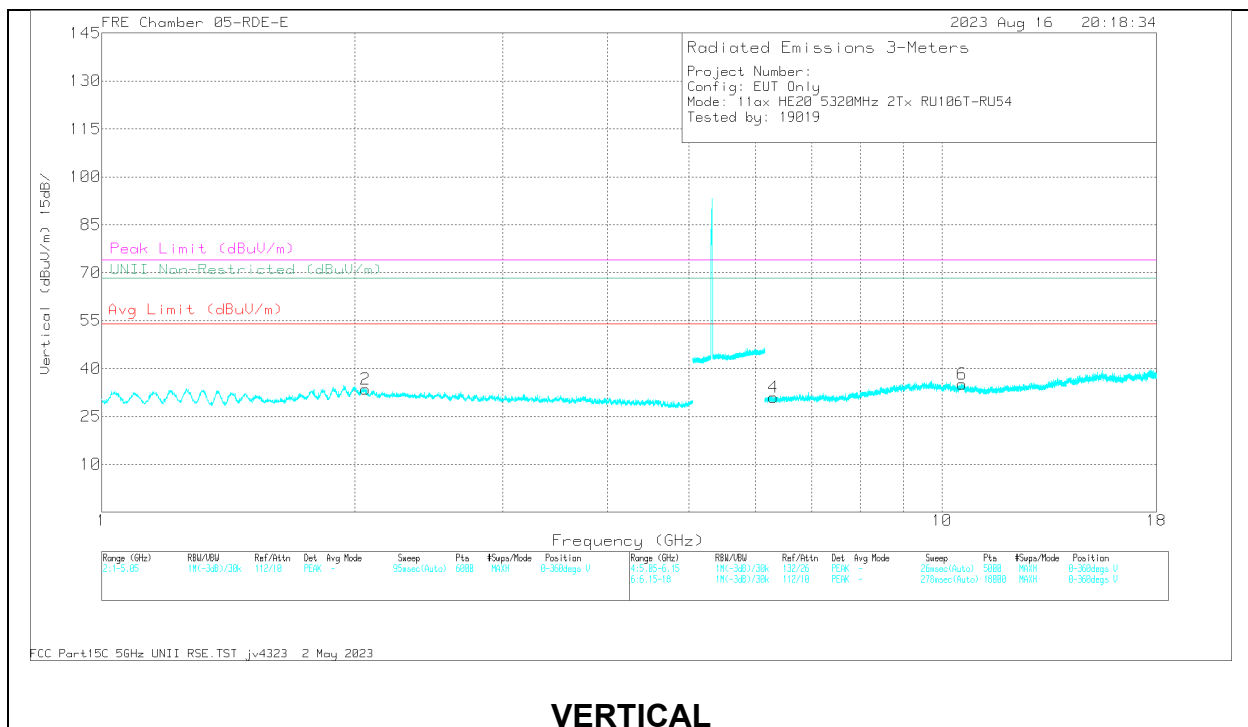
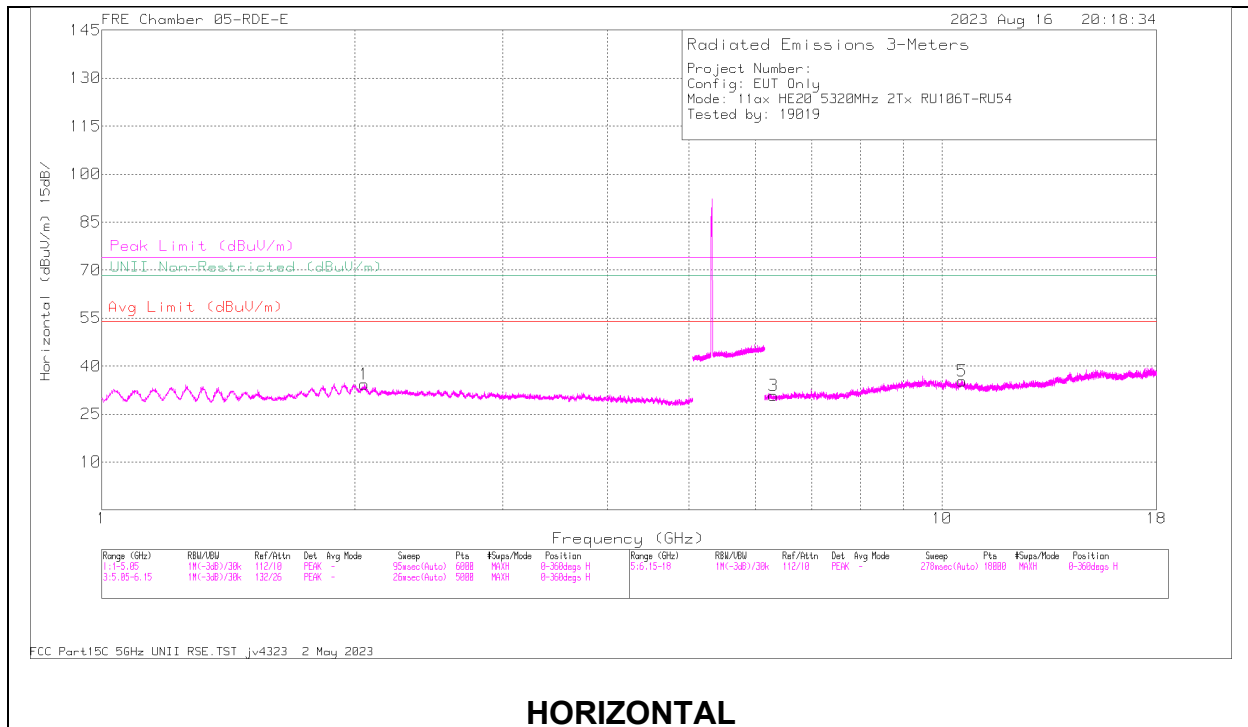
MID CHANNEL RESULTS

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1.995966	63.71	PK-U	31.6	-50.5	44.81	68.2	-23.39	105	113	V
1	1.996915	62.89	PK-U	31.6	-50.45	44.04	68.2	-24.16	72	143	H
4	6.275558	50.62	PK-U	35.5	-45.57	40.55	68.2	-27.65	114	152	V
3	6.282283	51.18	PK-U	35.5	-45.58	41.1	68.2	-27.1	55	170	H
5	10.5621	51.99	PK-U	37.8	-44.94	44.85	68.2	-23.35	119	187	H
6	10.583465	51.85	PK-U	37.8	-44.98	44.67	68.2	-23.53	226	108	V

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

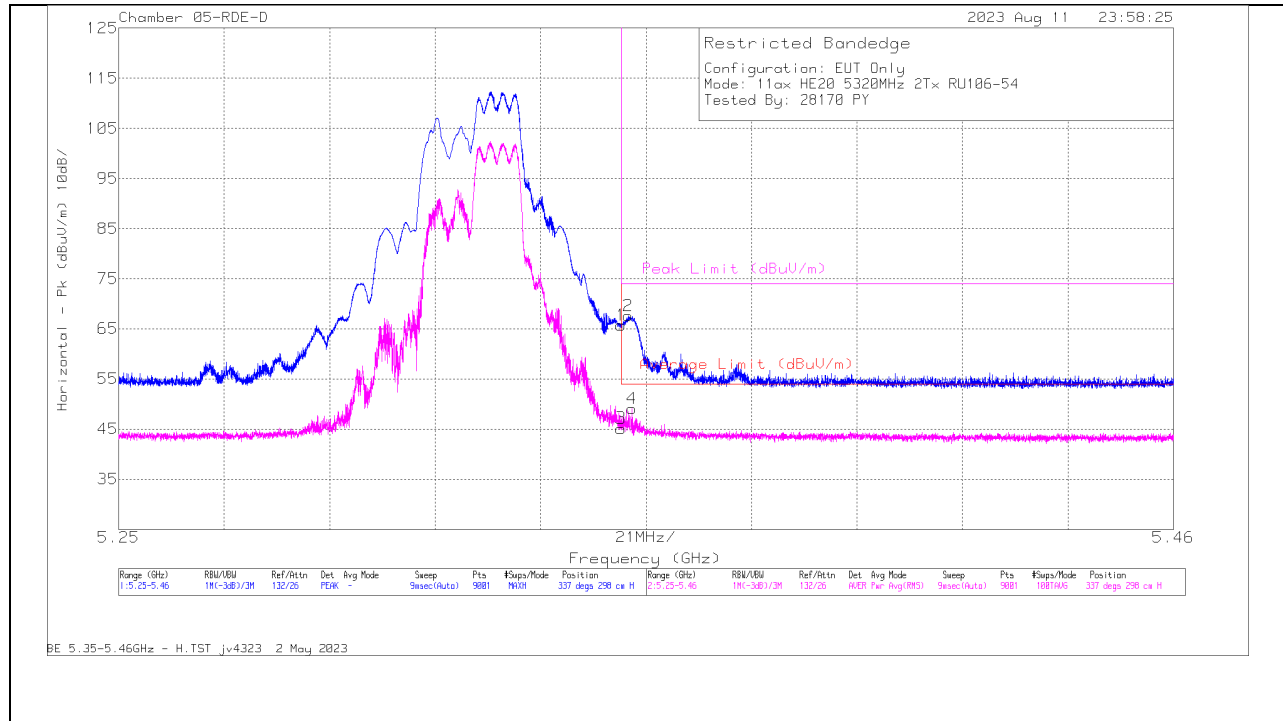
HIGH CHANNEL RESULTS

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.051679	62.53	PK-U	31.5	-50.28	43.75	68.2	-24.45	306	147	H
2	2.060243	62.09	PK-U	31.5	-50.14	43.45	68.2	-24.75	149	184	V
4	6.305419	51	PK-U	35.5	-45.7	40.8	68.2	-27.4	31	158	V
3	6.306107	51.3	PK-U	35.5	-45.72	41.08	68.2	-27.12	50	168	H
5	10.565969	51.7	PK-U	37.8	-44.95	44.55	68.2	-23.65	105	134	H
6	10.566667	51.91	PK-U	37.8	-44.96	44.75	68.2	-23.45	133	118	V

PK-U - U-NII: Maximum Peak

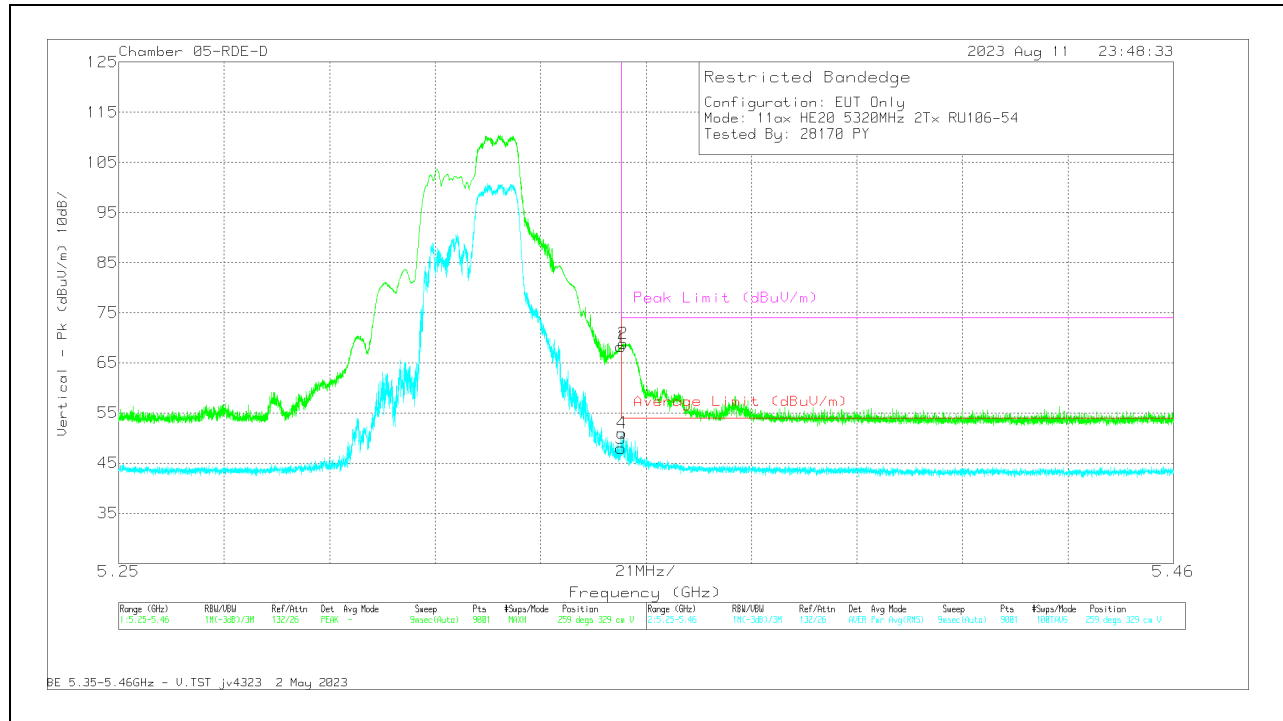
ADR - U-NII AD primary method, RMS average

2TX Antenna 6 + Antenna 5 OFDMA MODE: 106-Tones, RU Index 53**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	69.26	Pk	34.9	0	-38.42	65.74	-	-	74	-8.26	337	298	H
3	5.35	48.28	RMS	34.9	.38	-38.42	45.14	54	-8.86	-	-	337	298	H
2	5.351452	71.14	Pk	34.9	0	-38.38	67.66	-	-	74	-6.34	337	298	H
4	5.352222	52.22	RMS	34.9	.38	-38.36	49.14	54	-4.86	-	-	337	298	H

Pk - Peak detector

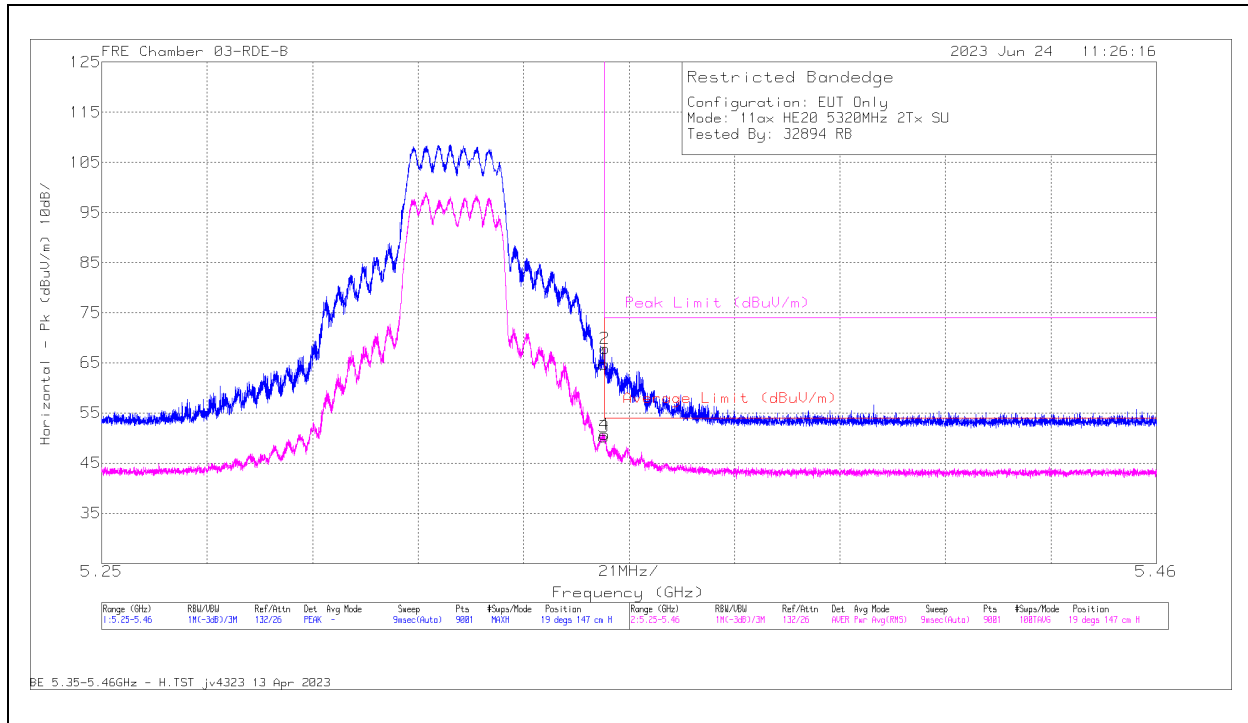
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (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	71.7	Pk	34.9	0	-38.42	68.18	-	-	74	-5.82	259	329	V
3	5.35	51.07	RMS	34.9	.38	-38.42	47.93	54	-6.07	-	-	259	329	V
4	5.350239	54.16	RMS	34.9	.38	-38.42	51.03	54	-2.98	-	-	259	329	V
2	5.350402	72.38	Pk	34.9	0	-38.41	68.86	-	-	74	-5.13	259	329	V

Pk - Peak detector

RMS - RMS detection

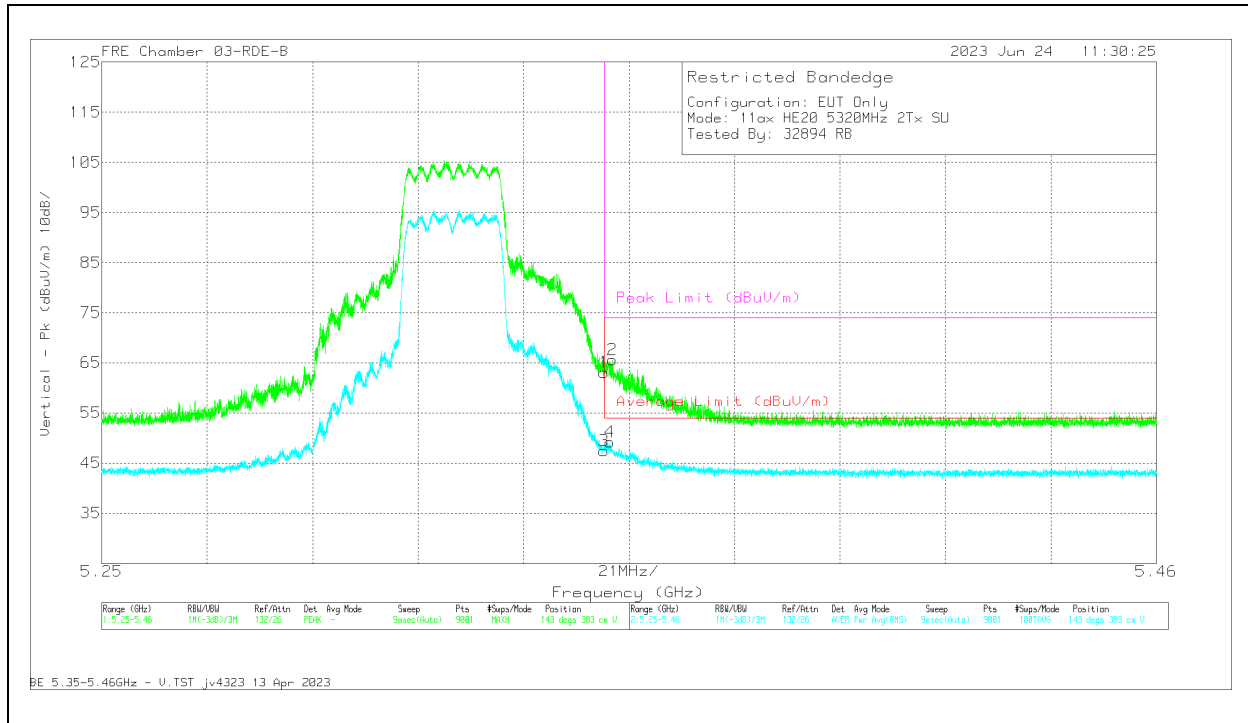
2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	69.92	Pk	34.4	0	-39.6	64.72	-	-	74	-9.28	19	147	H
2	* 5.350169	73.1	Pk	34.4	0	-39.6	67.9	-	-	74	-6.1	19	147	H
3	* 5.35	54.83	RMS	34.4	.57	-39.6	50.20	54	-3.80	-	-	19	147	H
4	* 5.350122	55.24	RMS	34.4	.57	-39.6	50.61	54	-3.39	-	-	19	147	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	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (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	68.31	Pk	34.4	0	-39.6	63.11	-	-	74	-10.89	143	383	V
2	* 5.351639	70.78	Pk	34.4	0	-39.6	65.58	-	-	74	-8.42	143	383	V
3	* 5.35	51.99	RMS	34.4	.57	-39.6	47.36	54	-6.64	-	-	143	383	V
4	* 5.351219	53.82	RMS	34.4	.57	-39.6	49.19	54	-4.81	-	-	143	383	V

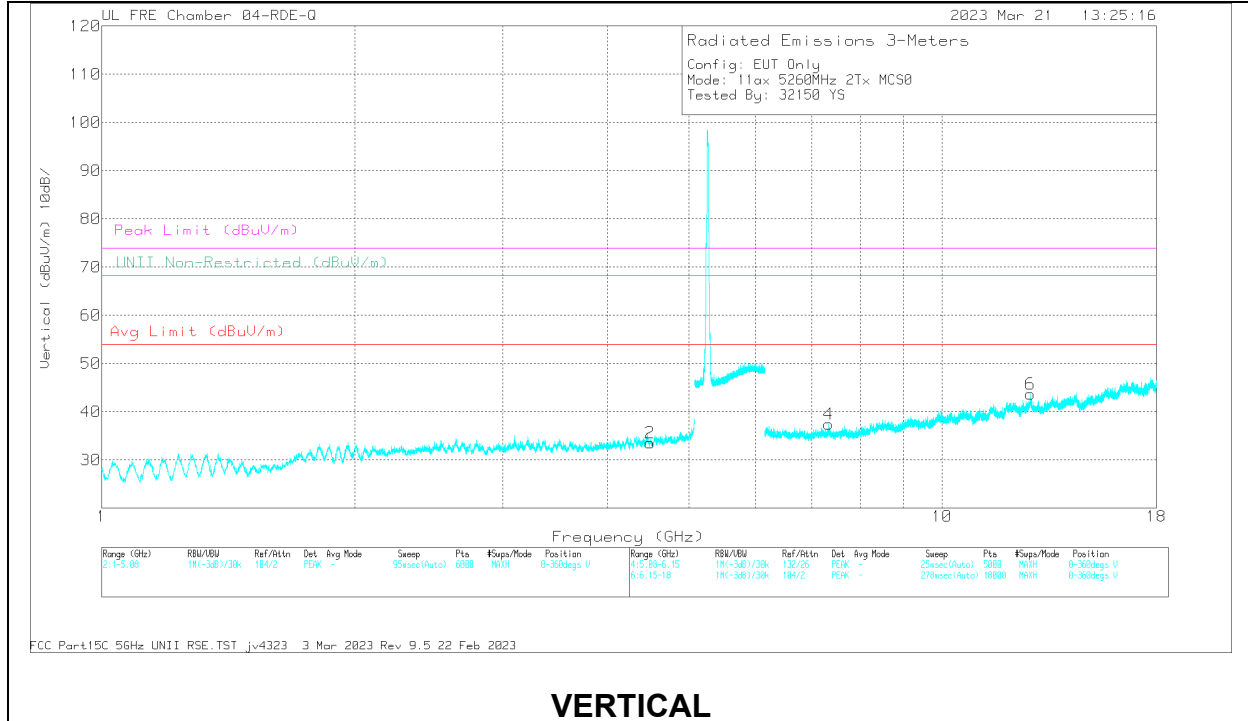
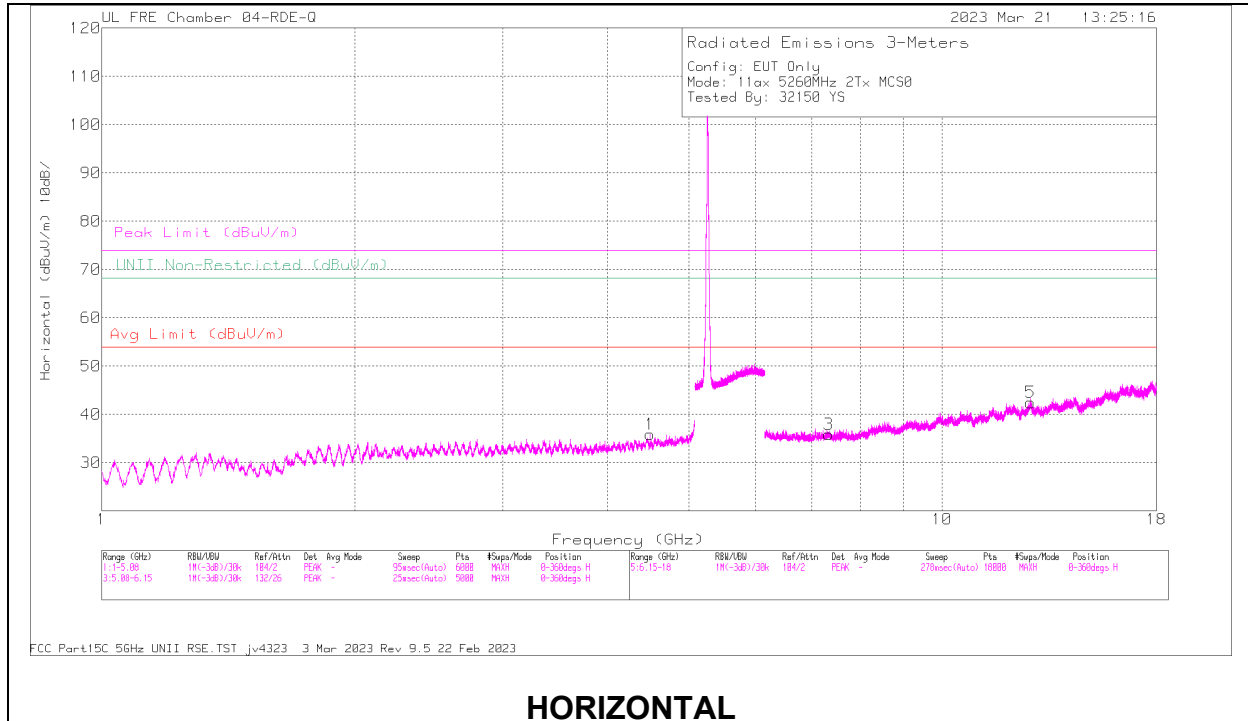
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2.1.24. 5.3GHz, 11ax HE20 SU 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



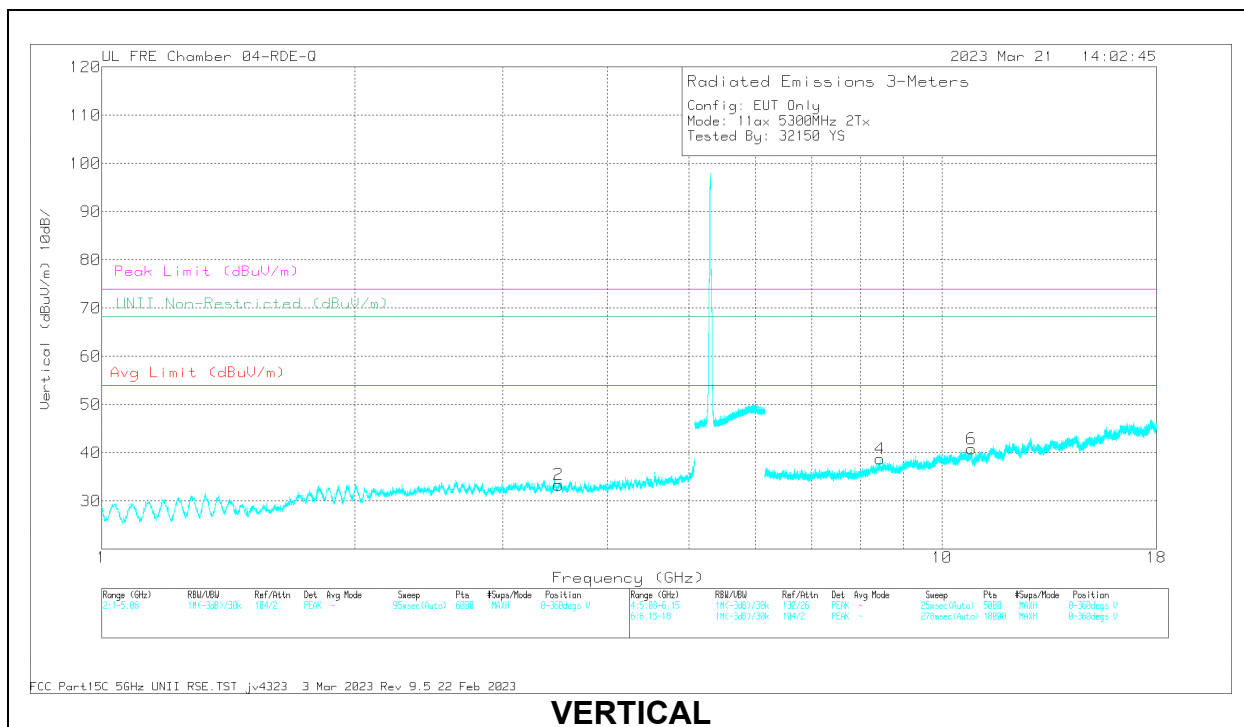
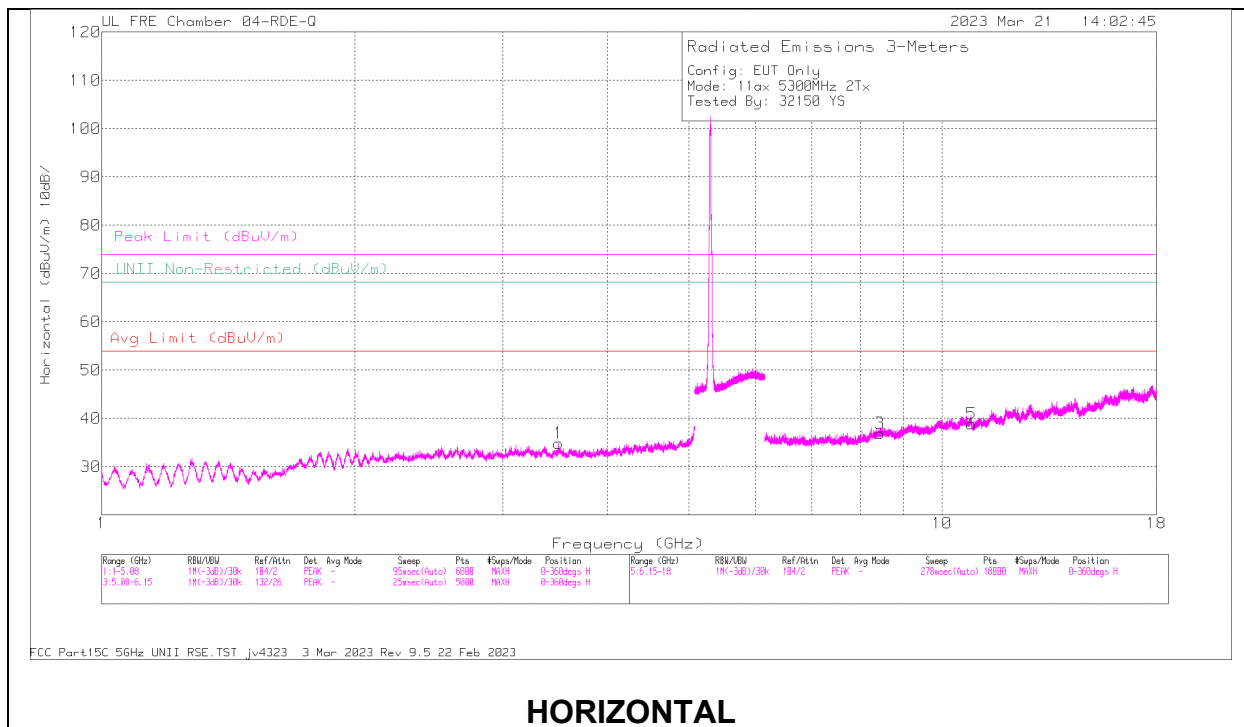
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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
3	* 7.332745	55.77	PK-U	35.5	-43.98	47.29	-	-	74	-26.71	-	-	137	337	H
3	* 7.329809	43.42	ADR	35.5	-43.88	35.04	54	-18.96	-	-	-	-	137	337	H
4	* 7.331647	54.52	PK-U	35.5	-43.98	46.04	-	-	74	-27.96	-	-	275	162	V
4	* 7.331027	43.32	ADR	35.5	-43.94	34.88	54	-19.12	-	-	-	-	275	162	V
1	4.490315	56.53	PK-U	34	-45.96	44.57	-	-	-	-	68.2	-23.63	111	258	H
2	4.492324	56.06	PK-U	34	-45.94	44.12	-	-	-	-	68.2	-24.08	231	283	V
6	12.738702	54.52	PK-U	39.1	-41.6	52.02	-	-	-	-	68.2	-16.18	321	126	V
5	12.741107	54.69	PK-U	39.1	-41.51	52.28	-	-	-	-	68.2	-15.92	156	240	H

* - 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

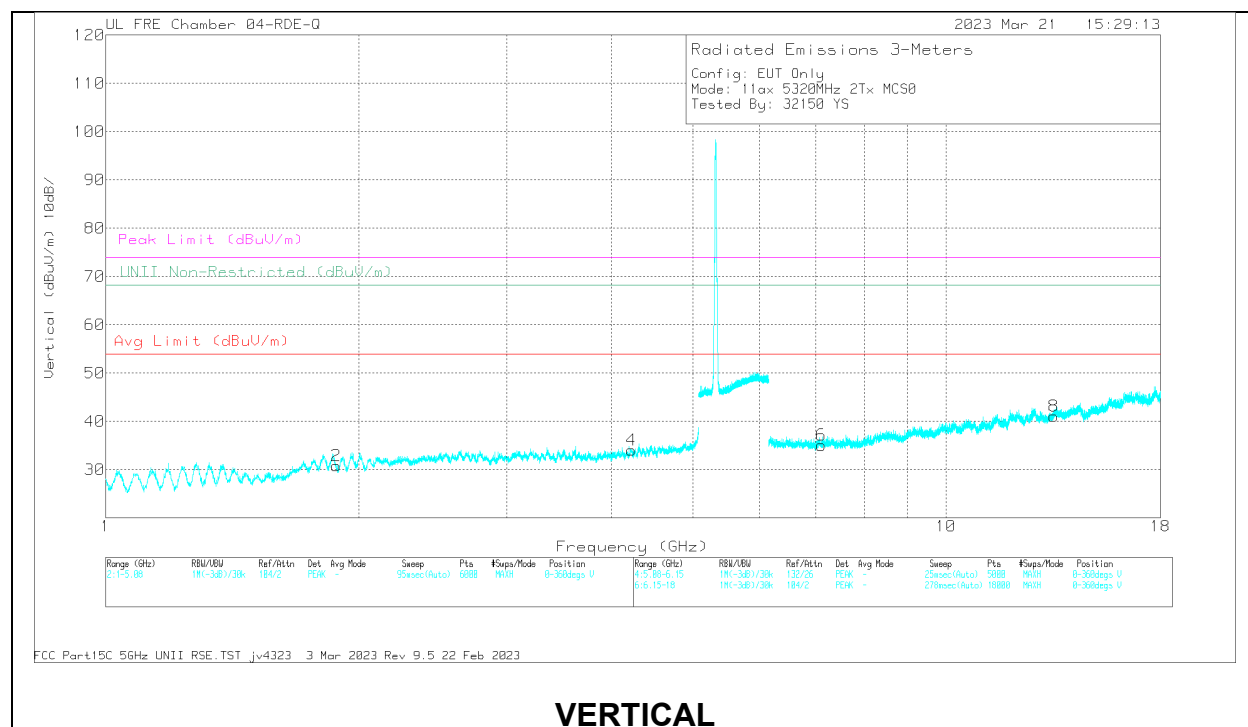
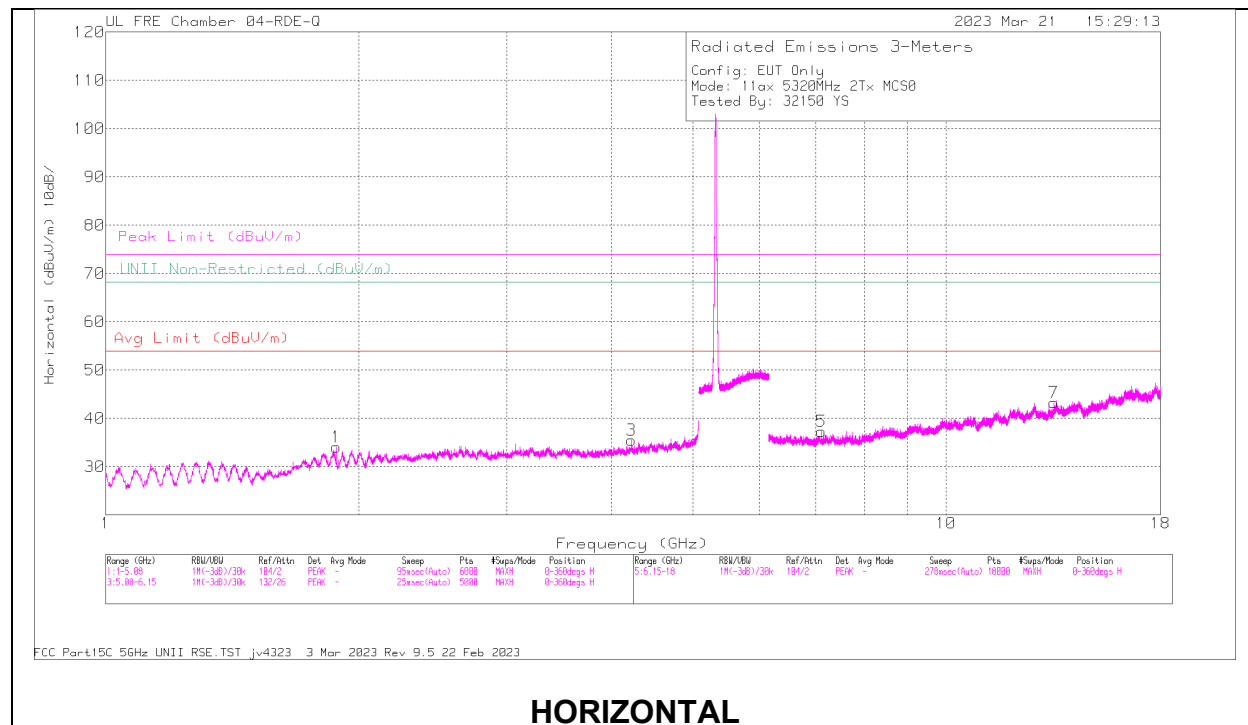
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84706 ACF (dB) - 3mH	Gain/Loss (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
3	* 8.441206	55.55	PK-U	35.9	-43.81	47.64	-	-	74	-26.36	-	-	94	215	H
3	* 8.440345	44.02	ADR	35.9	-43.74	36.18	54	-17.82	-	-	-	-	94	215	H
5	* 10.838265	56.85	PK-U	37.8	-44.79	49.86	-	-	74	-24.14	-	-	261	197	H
5	* 10.839054	44.97	ADR	37.8	-44.73	38.04	54	-15.96	-	-	-	-	261	197	H
4	* 8.440807	55.45	PK-U	35.9	-43.78	47.57	-	-	74	-26.43	-	-	188	262	V
4	* 8.440105	44.07	ADR	35.9	-43.73	36.24	54	-17.76	-	-	-	-	188	262	V
6	* 10.840001	56.93	PK-U	37.8	-44.78	49.95	-	-	74	-24.05	-	-	140	359	V
6	* 10.839134	45.23	ADR	37.8	-44.74	38.29	54	-15.71	-	-	-	-	140	359	V
1	3.492307	57.12	PK-U	32.9	-46.42	43.6	-	-	-	-	68.2	-24.6	251	388	H
2	3.495211	57.15	PK-U	32.9	-46.36	43.69	-	-	-	-	68.2	-24.51	305	276	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

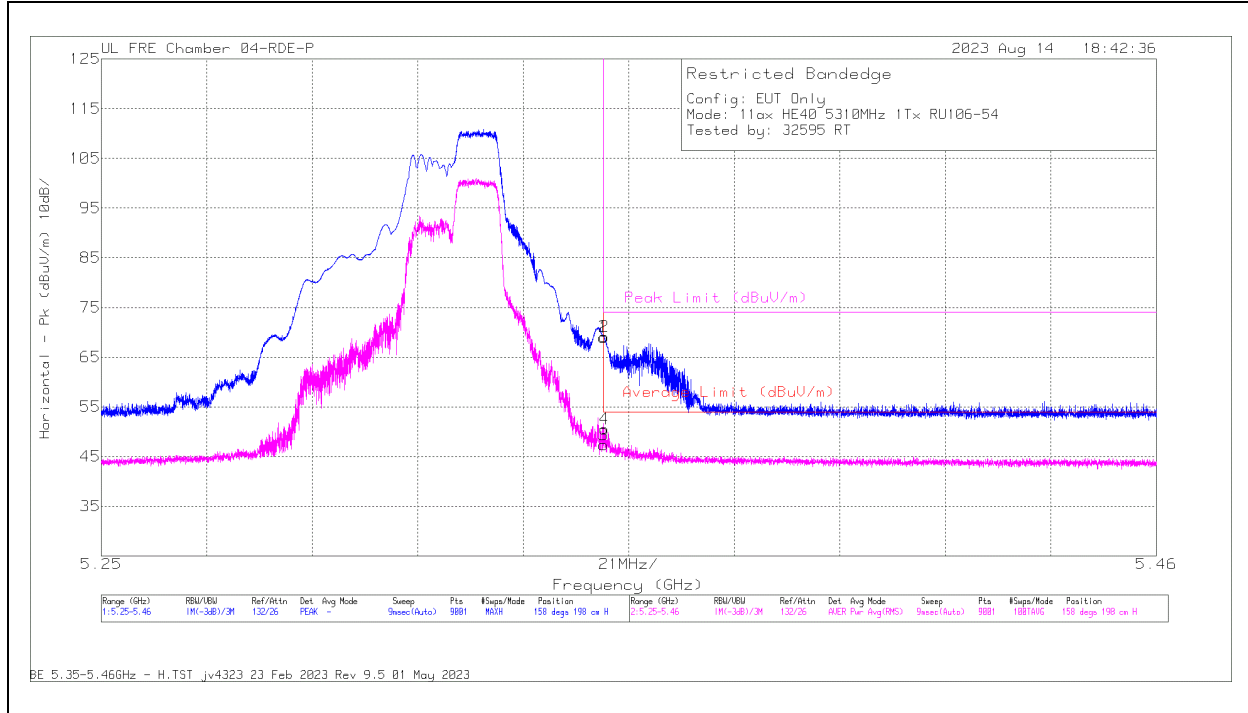
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	Gain/Loss (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
3	* 4.224496	57.02	PK-U	33.5	-46.11	44.41	-	-	74	-29.59	-	-	110	284	H
3	* 4.226344	45.41	ADR	33.5	-46	32.91	54	-21.09	-	-	-	-	110	284	H
4	* 4.224407	57.31	PK-U	33.5	-46.11	44.7	-	-	74	-29.3	-	-	157	235	V
4	* 4.225034	45.38	ADR	33.5	-46.1	32.78	54	-21.22	-	-	-	-	157	235	V
1	1.880235	57.98	PK-U	30.9	-47.31	41.57	-	-	-	-	68.2	-26.63	106	307	H
2	1.881796	57.52	PK-U	30.9	-47.39	41.03	-	-	-	-	68.2	-27.17	317	273	V
6	7.10541	55.34	PK-U	35.6	-44.71	46.23	-	-	-	-	68.2	-21.97	230	293	V
5	7.106873	54.98	PK-U	35.6	-44.74	45.84	-	-	-	-	68.2	-22.36	358	222	H
8	13.431304	55.53	PK-U	39.4	-43.08	51.85	-	-	-	-	68.2	-16.35	254	113	V
7	13.431443	55.19	PK-U	39.4	-43.07	51.52	-	-	-	-	68.2	-16.68	126	248	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2.1.25. TX ABOVE 1 GHz, 802.11ax HE40 RU106 IN THE 5.3GHz BAND**1TX Antenna 6 MODE: 106-Tones, RU Index 54****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (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	72.83	Pk	34.4	0	-38.18	69.05	-	-	74	-4.95	158	198	H
3	5.35	50.35	RMS	34.4	.50	-38.18	47.07	54	-6.93	-	-	158	198	H
2	5.350052	72.93	Pk	34.4	0	-38.18	69.15	-	-	74	-4.85	158	198	H
4	5.350169	53.56	RMS	34.4	.50	-38.19	49.98	54	-4.02	-	-	158	198	H

Pk - Peak detector

RMS - RMS detection