



TEST REPORT

Report Number: 14523740-E8V3 & E9V3

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

Model : A2848

FCC ID : BCG-E8435A

IC : 579C-E8435A

EUT Description : SMARTPHONE

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Prepared by:

UL Verification Services Inc.
47173 Benicia Street
Fremont, CA 94538 U.S.A.
TEL: (510) 319-4000
FAX: (510) 661-0888



REPORT REVISION HISTORY

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V1	7/19/2023	Initial Issue	Chin Pang
V2	7/24/2023	Address TCB's Questions	Chin Pang
V3	7/26/2023	Addressed TCB's Questions	Chris Xiong

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1. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

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

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

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

6.2.4.2 (for 5725-5850 MHz band)

Frequency Range (MHz)	Field Strength Limit ($\mu\text{V/m}$) at 3 m	Field Strength Limit (dB $\mu\text{V/m}$) 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

1.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

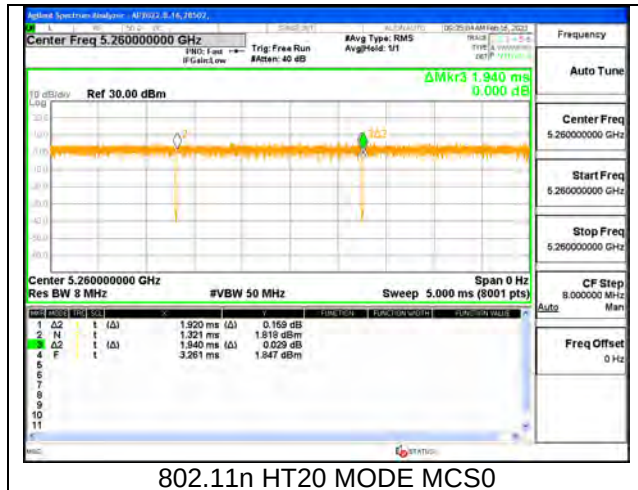
PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

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	1.920	1.940	0.990	98.97%	0.00	0.010
802.11n HT20 MCS7	0.228	0.250	0.912	91.20%	0.40	4.386
802.11n HT40 MCS0	0.944	0.964	0.979	97.89%	0.09	1.060
802.11n HT40 MCS7	0.128	0.149	0.856	85.57%	0.68	7.843
802.11ac VHT80 MCS0	0.460	0.482	0.954	95.37%	0.21	2.176
802.11ac VHT80 MCS9	0.060	0.082	0.726	72.63%	1.39	16.750
802.11ac VHT160 MCS0	1.139	1.160	0.982	98.19%	0.00	0.010
802.11ac VHT160 MCS11	0.062	0.072	0.854	85.36%	0.69	16.181
802.11ax HE20 RU26, MCS0	3.992	4.029	0.991	99.08%	0.00	0.010
802.11ax HE20 RU26, MCS11	0.293	0.329	0.891	89.06%	0.50	3.413
802.11ax HE20 RU106, MCS0	3.516	3.553	0.990	98.96%	0.00	0.010
802.11ax HE20 RU106, MCS11	0.260	0.287	0.906	90.59%	0.43	3.846
802.11ax HE40 RU26, MCS0	3.965	4.008	0.989	98.93%	0.00	0.010
802.11ax HE40 RU26, MCS11	0.292	0.328	0.890	89.02%	0.50	3.425
802.11ax HE40 RU106, MCS0	3.515	3.554	0.989	98.90%	0.00	0.010
802.11ax HE40 RU106, MCS11	0.263	0.299	0.880	87.96%	0.56	3.802
802.11ax HE80 RU26, MCS0	3.975	4.029	0.987	98.66%	0.00	0.010
802.11ax HE80 RU26, MCS11	0.283	0.329	0.860	86.02%	0.65	3.534
802.11ax HE80 RU106, MCS0	3.516	3.553	0.990	98.96%	0.00	0.010
802.11ax HE80 RU106, MCS11	0.263	0.299	0.880	87.96%	0.56	3.802
802.11ax HE160 RU26, MCS0	3.969	4.029	0.985	98.51%	0.00	0.010
802.11ax HE160 RU26, MCS11	0.292	0.328	0.890	89.02%	0.50	3.425
802.11ax HE160 RU106, MCS0	3.518	3.554	0.990	98.99%	0.00	0.010
802.11ax HE160 RU106, MCS11	0.264	0.299	0.883	88.29%	0.54	3.788

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
5GHz Band						
802.11ax HE20 SU, MCS0	1.487	1.509	0.985	98.54%	0.00	0.010
802.11ax HE20 SU, MCS11	0.146	0.168	0.872	87.16%	0.60	6.849
802.11ax HE40 SU, MCS0	0.772	0.794	0.972	97.22%	0.12	1.296
802.11ax HE40 SU, MCS11	0.101	0.123	0.822	82.15%	0.85	9.921
802.11ax HE80 SU, MCS0	0.401	0.423	0.946	94.64%	0.24	2.497
802.11ax HE80 SU, MCS11	0.082	0.105	0.782	78.20%	1.07	12.225
802.11ax HE160 SU, MCS0	0.232	0.252	0.918	91.80%	0.37	4.318
802.11ax HE160 SU, MCS11	0.069	0.089	0.771	77.10%	1.13	14.556

DUTY CYCLE PLOTS

Note: There are same duty cycle factor on 1TX and 2TX

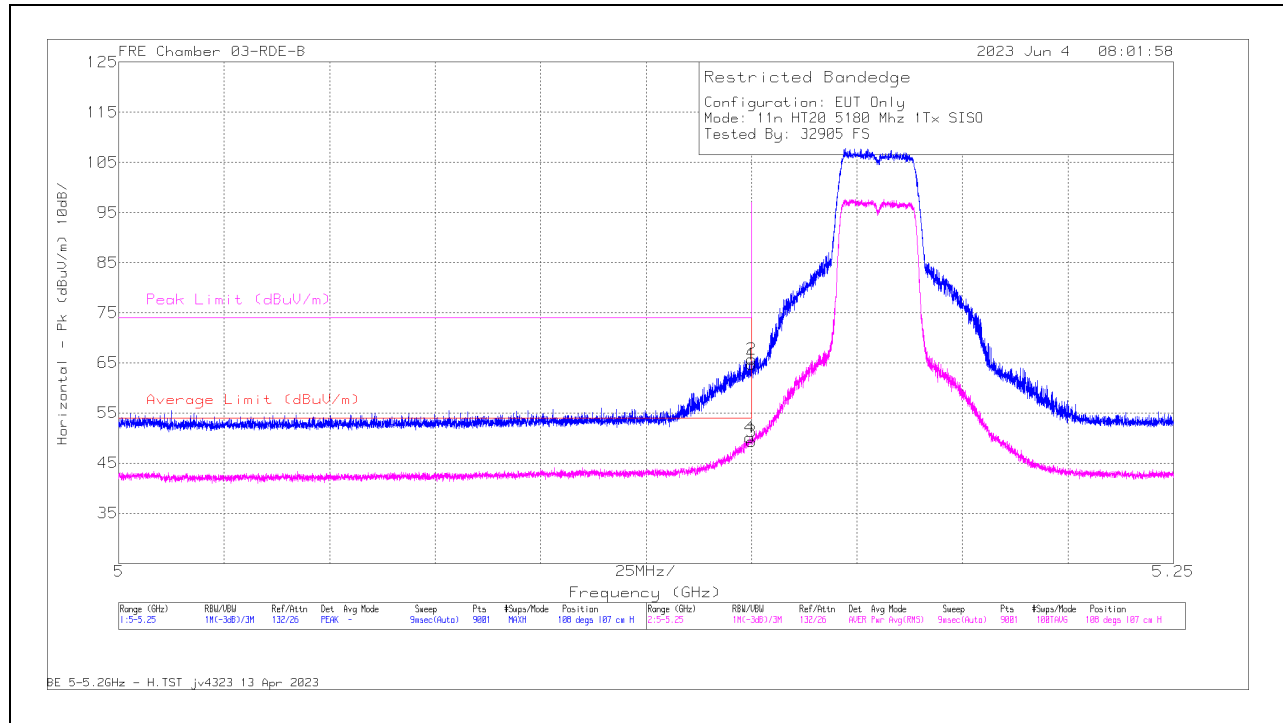
1.2. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

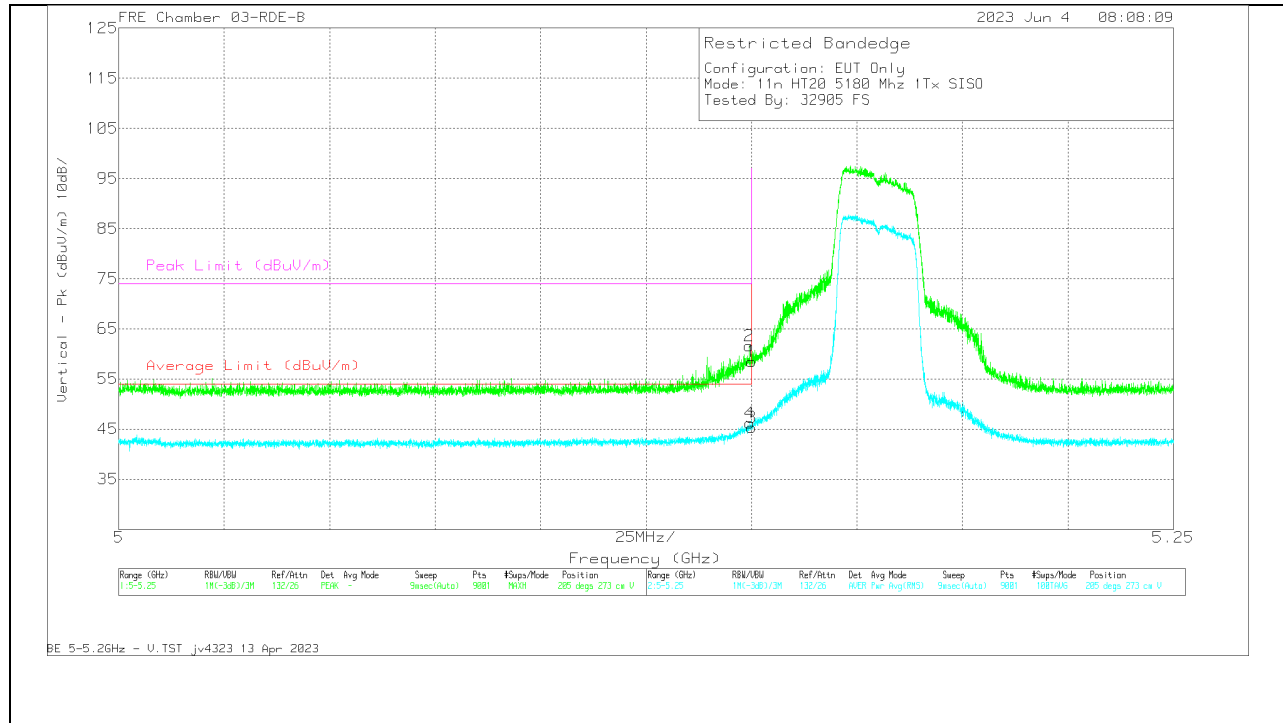


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	70.38	Pk	34.3	0	-39.9	64.78	-	-	74	-9.22	108	107	H
2	* 5.149973	71.31	Pk	34.3	0	-39.9	65.71	-	-	74	-8.29	108	107	H
3	* 5.15	54.67	RMS	34.3	.40	-39.9	49.47	54	-4.53	-	-	108	107	H
4	* 5.149529	55.42	RMS	34.3	.40	-39.9	50.22	54	-3.78	-	-	108	107	H

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

Pk - Peak detector

RMS - RMS detection

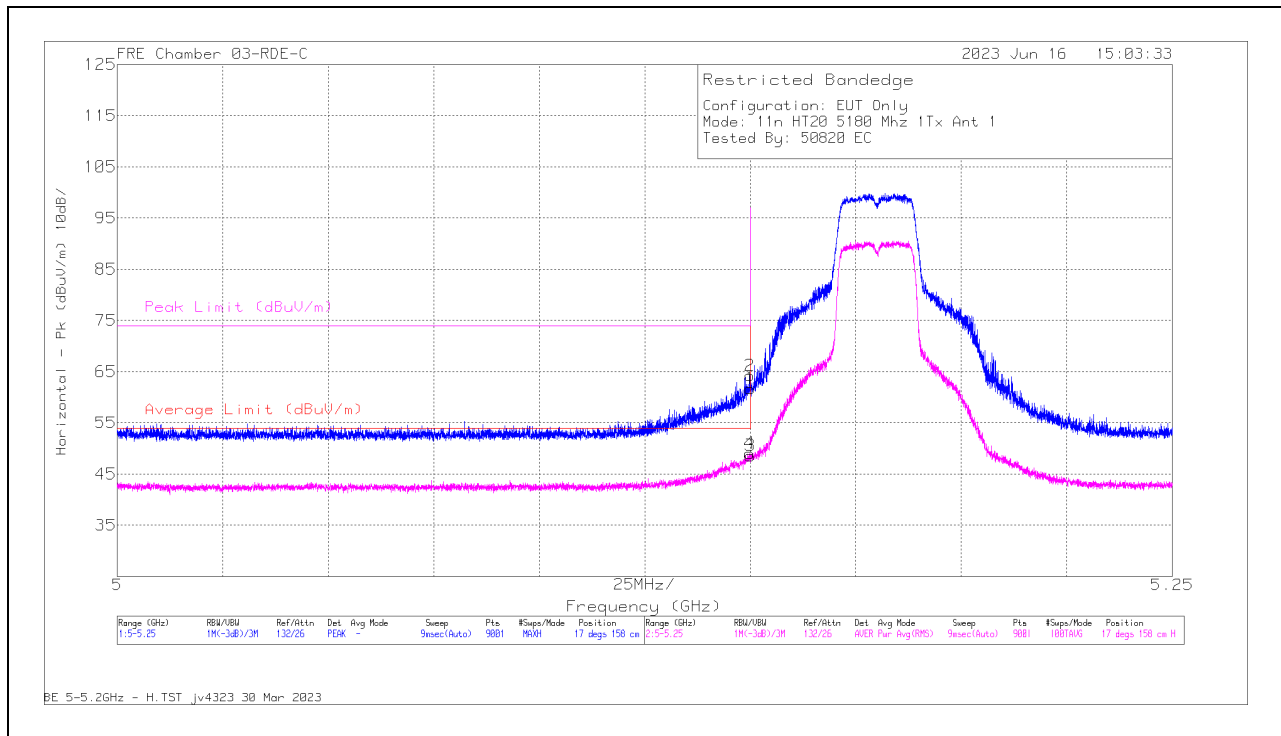
VERTICAL RESULT

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	64.04	Pk	34.3	0	-39.9	58.44	-	-	74	-15.56	205	273	V
2	* 5.14939	67.26	Pk	34.3	0	-39.9	61.66	-	-	74	-12.34	205	273	V
3	* 5.15	50.66	RMS	34.3	.40	-39.9	45.46	54	-8.54	-	-	205	273	V
4	* 5.14964	51.63	RMS	34.3	.40	-39.9	46.43	54	-7.57	-	-	205	273	V

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

Pk - Peak detector

RMS - RMS detection

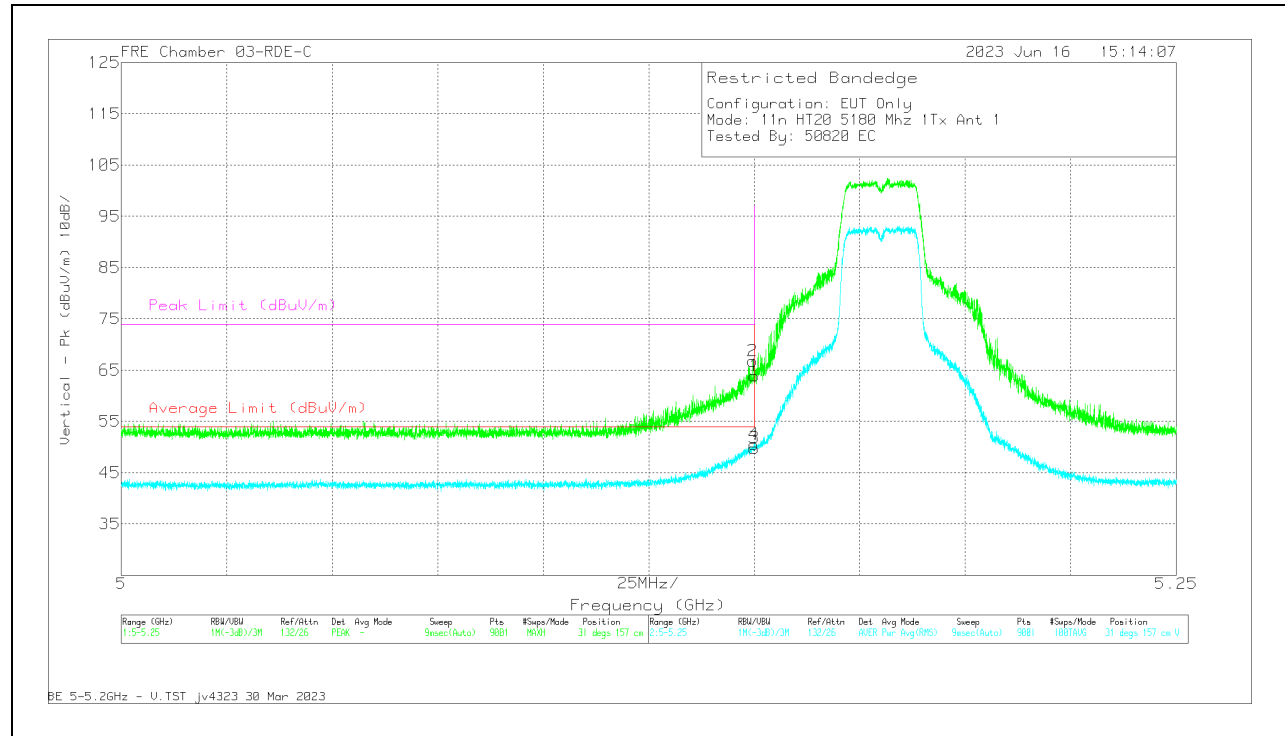
1TX Antenna 5 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	65.69	Pk	34.4	0	-38.4	61.69	-	-	74	-12.31	17	158	H
2	* 5.149973	68.24	Pk	34.4	0	-38.4	64.24	-	-	74	-9.76	17	158	H
3	* 5.15	52.15	RMS	34.4	.40	-38.4	48.55	54	-5.45	-	-	17	158	H
4	* 5.149862	52.63	RMS	34.4	.40	-38.41	49.02	54	-4.98	-	-	17	158	H

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

Pk - Peak detector

RMS - RMS detection

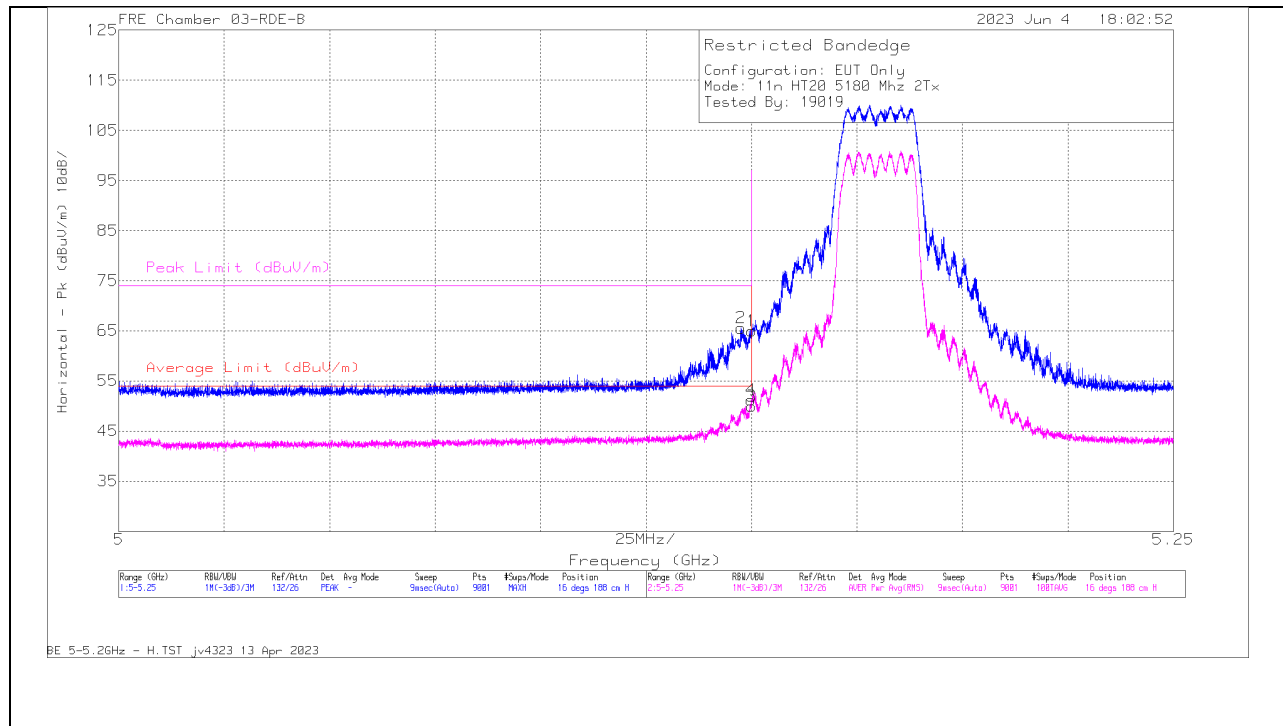
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	67.9	Pk	34.4	0	-38.4	63.9	-	-	74	-10.1	31	157	V
2	* 5.149612	70.82	Pk	34.4	0	-38.44	66.78	-	-	74	-7.22	31	157	V
3	* 5.15	53.39	RMS	34.4	.40	-38.4	49.79	54	-4.21	-	-	31	157	V
4	* 5.14989	54.1	RMS	34.4	.40	-38.41	50.49	54	-3.51	-	-	31	157	V

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

Pk - Peak detector

RMS - RMS detection

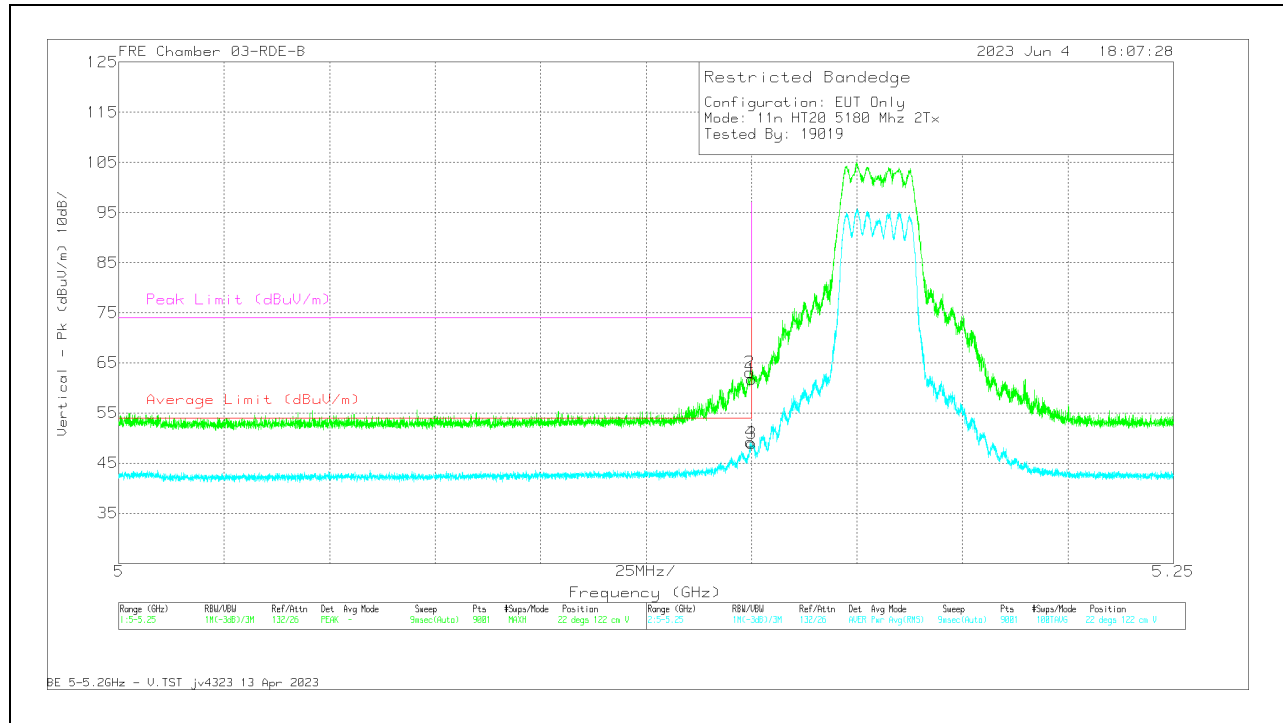
2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	70.54	PK	34.3	0	-39.9	64.94	-	-	74	-9.06	16	188	H
2	* 5.147529	71.15	PK	34.3	0	-39.9	65.55	-	-	74	-8.45	16	188	H
3	* 5.15	55.35	RMS	34.3	.40	-39.9	50.15	54	-3.85	-	-	16	188	H
4	* 5.14989	56.53	RMS	34.3	.40	-39.9	51.33	54	-2.67	-	-	16	188	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	67.29	Pk	34.3	0	-39.9	61.69	-	-	74	-12.31	22	122	V
2	* 5.14964	68.69	Pk	34.3	0	-39.9	63.09	-	-	74	-10.91	22	122	V
3	* 5.15	54.27	RMS	34.3	.40	-39.9	49.07	54	-4.93	-	-	22	122	V
4	* 5.149696	54.53	RMS	34.3	.40	-39.9	49.33	54	-4.67	-	-	22	122	V

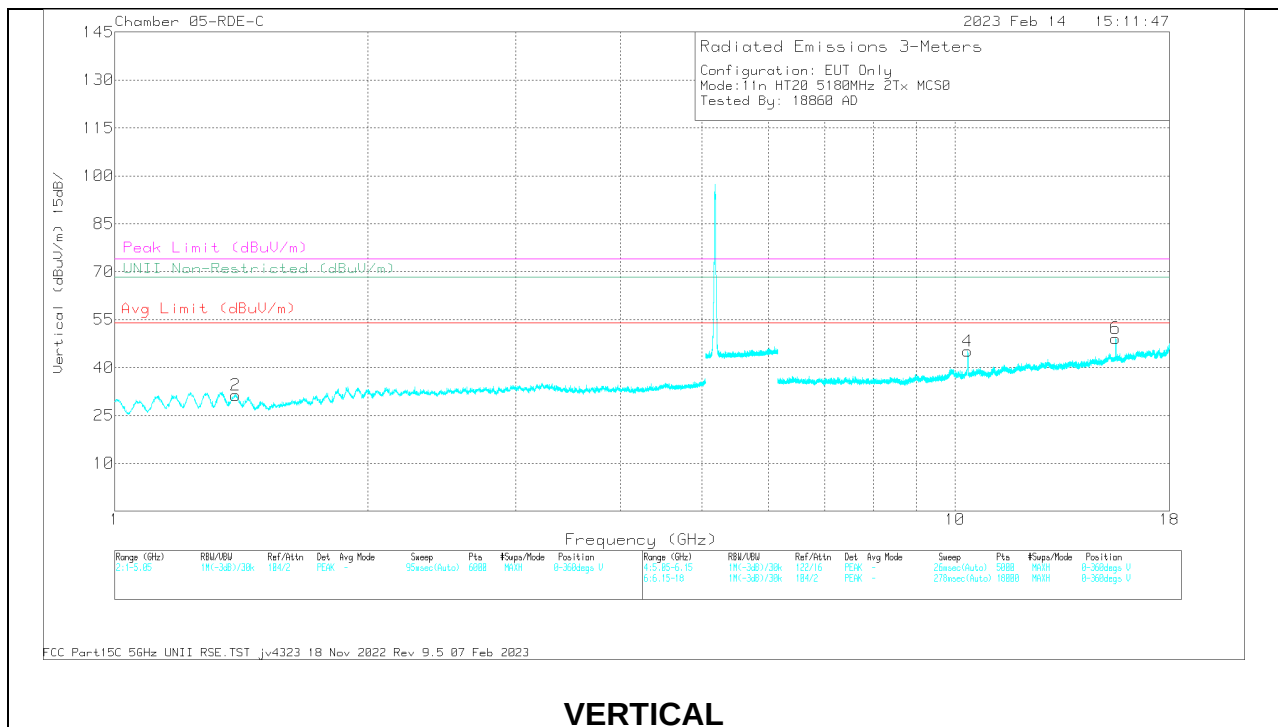
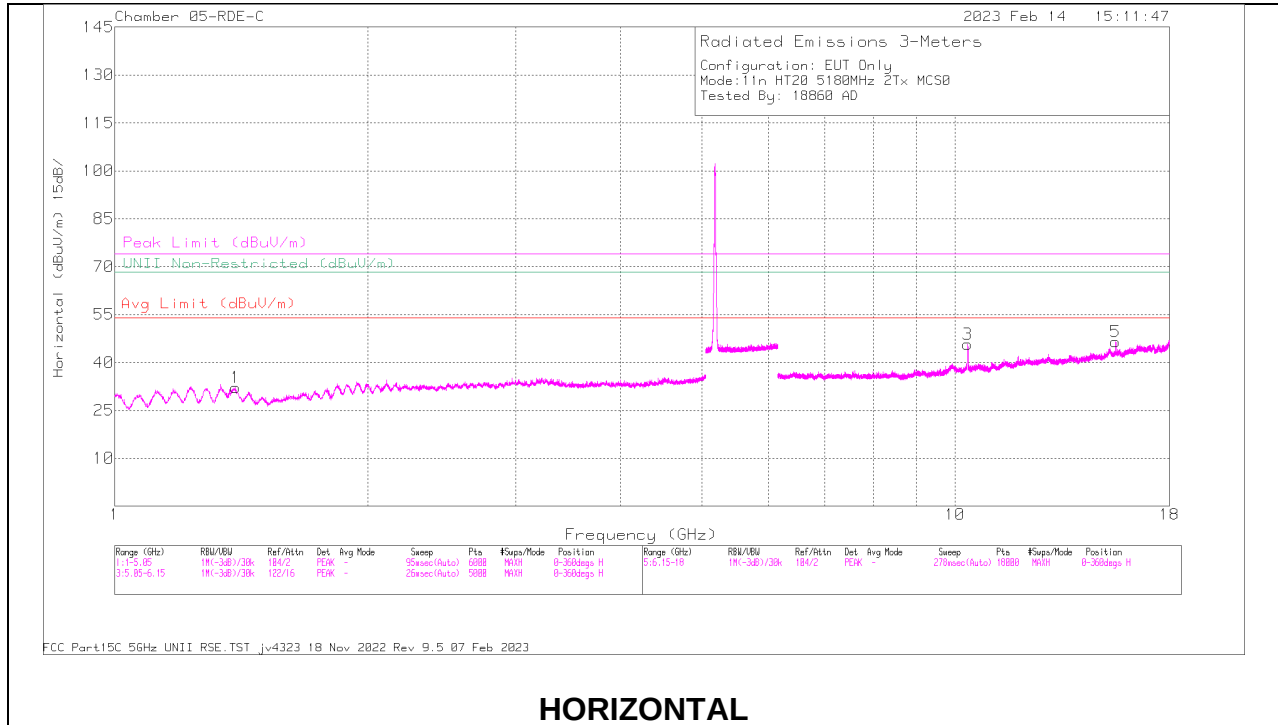
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

1.2.2. 5.2GHz Band, HT20 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



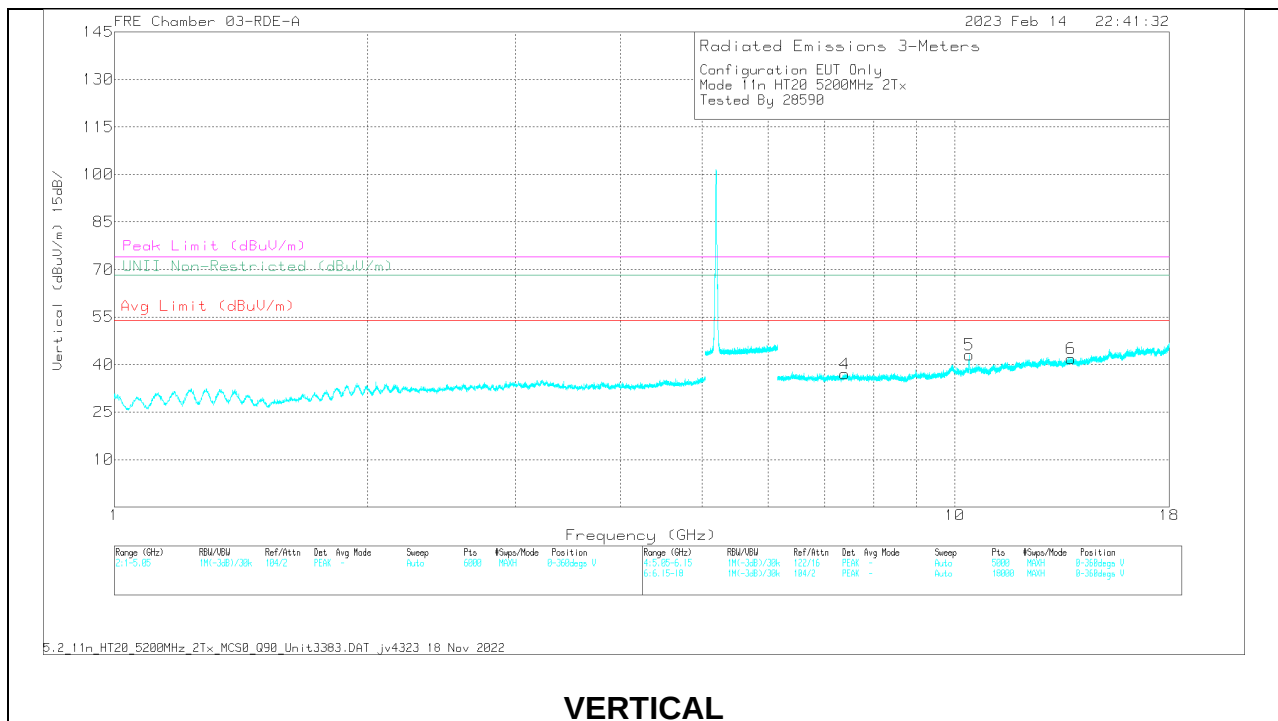
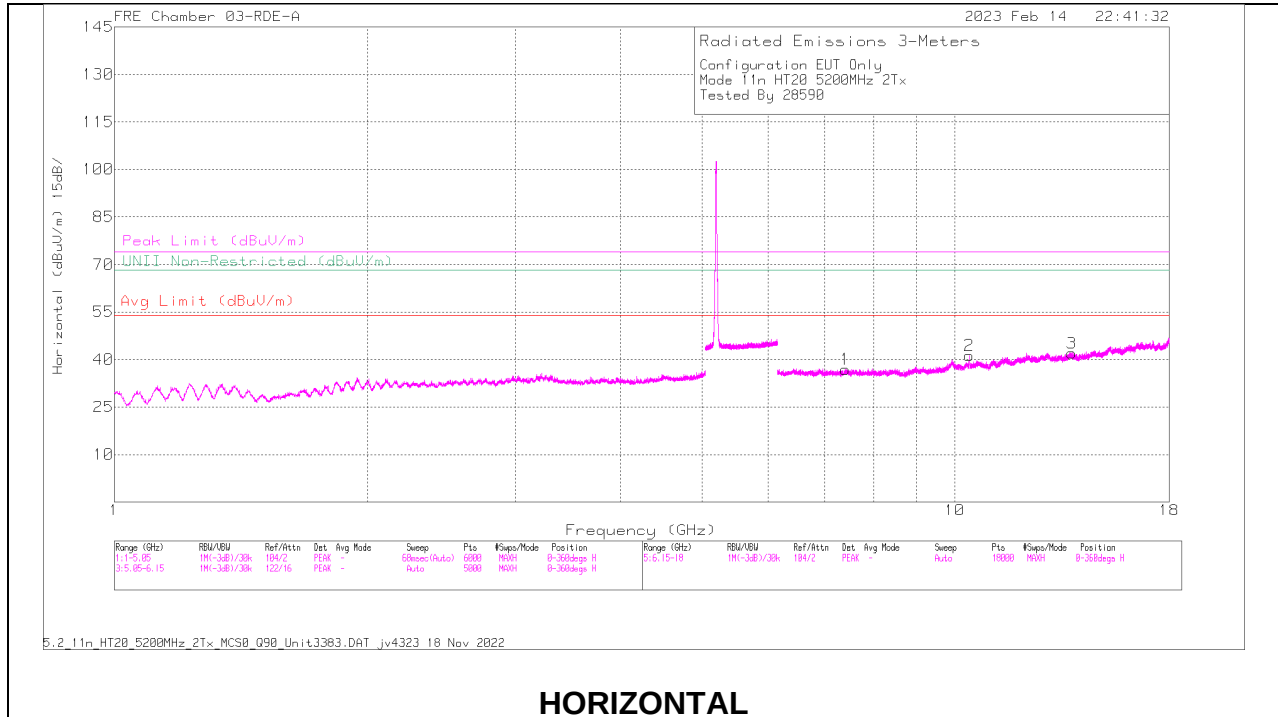
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (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
1	1.392755	63.35	PK-U	29.2	-50.52	42.03	-	-	74	-31.97	-	-	250	264	H
	1.391191	51.5	ADR	29.3	-50.53	30.27	54	-23.73	-	-	-	-	250	264	H
2	1.393355	63.09	PK-U	29.2	-50.52	41.77	-	-	74	-32.23	-	-	239	206	V
	1.39143	51.26	ADR	29.3	-50.53	30.03	54	-23.97	-	-	-	-	239	206	V
4	10.357283	67.26	PK-U	37.6	-47.25	57.61	-	-	-	-	68.2	-10.59	305	247	V
3	10.360598	65.51	PK-U	37.6	-47.25	55.86	-	-	-	-	68.2	-12.34	256	147	H
6	15.537961	64.86	PK-U	40.6	-44.24	61.22	-	-	74	-12.78	-	-	288	103	V
	15.540431	52.26	ADR	40.6	-44.24	48.62	54	-5.38	-	-	-	-	288	103	V
5	15.538202	61.47	PK-U	40.6	-44.24	57.83	-	-	74	-16.17	-	-	270	111	H
	15.538209	48.69	ADR	40.6	-44.24	45.05	54	-8.95	-	-	-	-	270	111	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

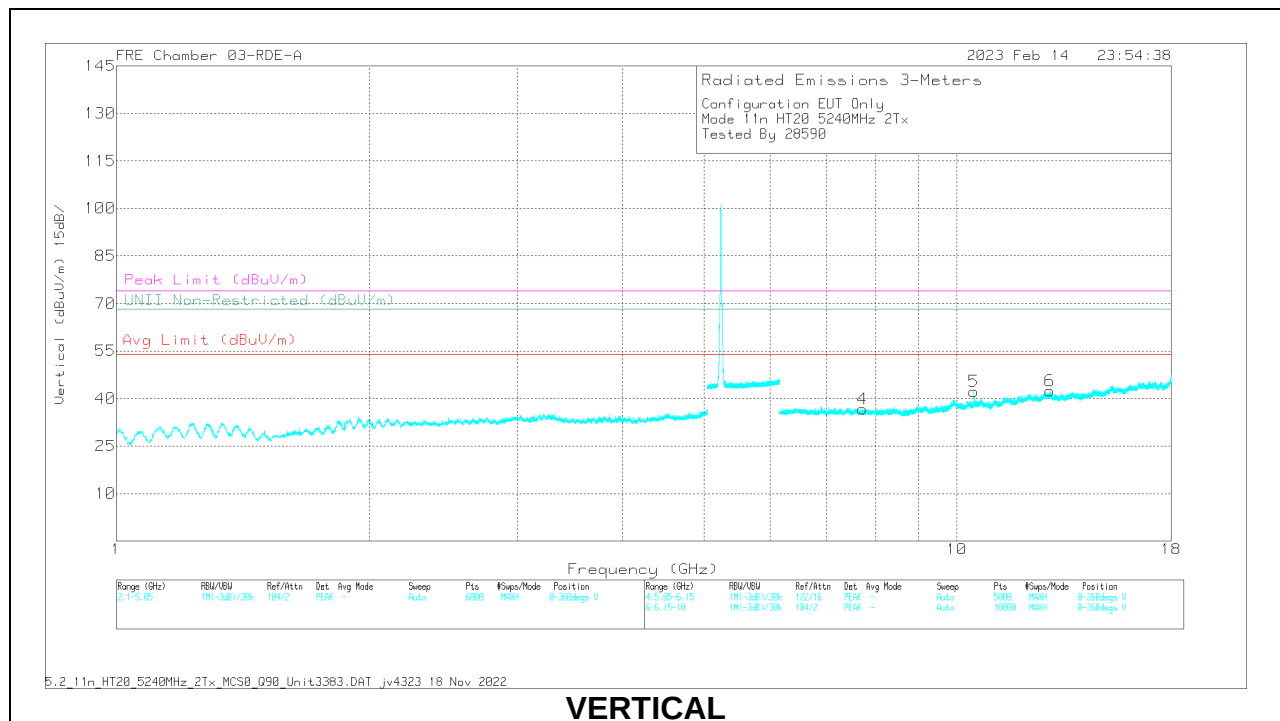
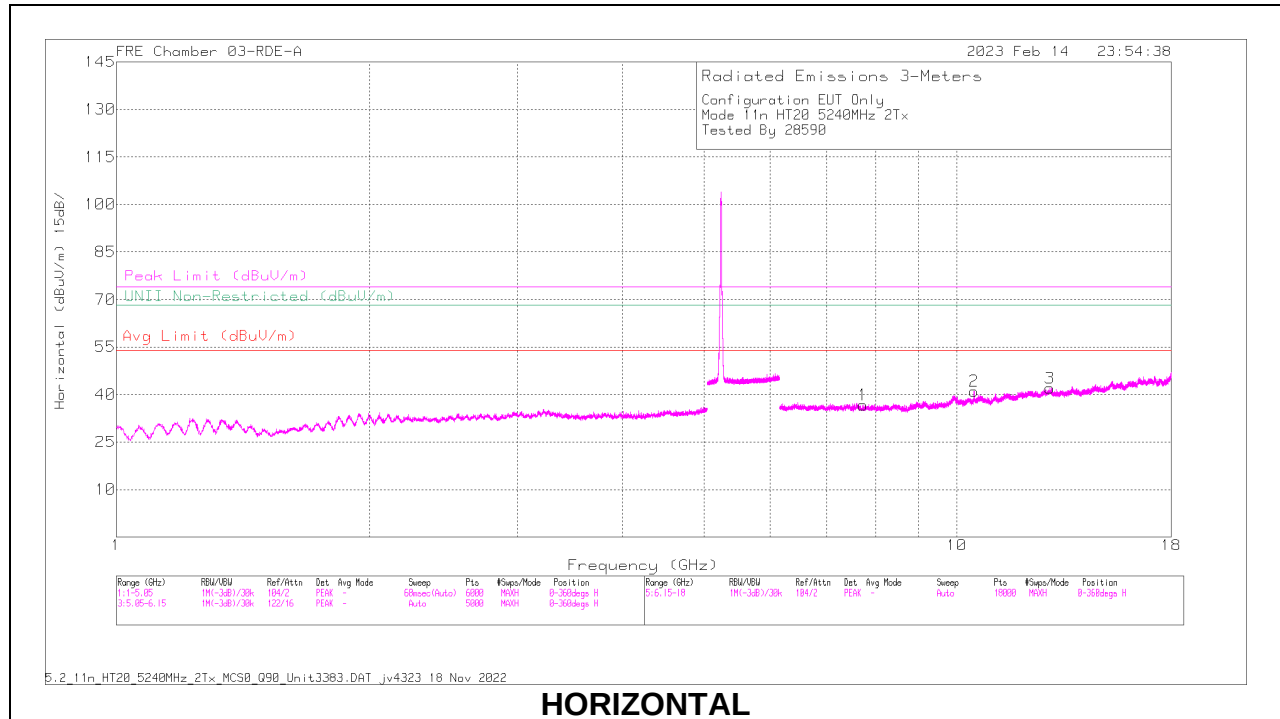
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (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
1	* 7.413075	58.02	PK-U	35.9	-46.85	47.07	-	-	74	-26.93	-	-	1	100	H
	* 7.414135	46	ADR	35.9	-46.84	35.06	54	-18.94	-	-	-	-	1	100	H
4	* 7.396918	57.58	PK-U	35.9	-46.69	46.79	-	-	74	-27.21	-	-	1	200	V
	* 7.394505	45.92	ADR	35.9	-46.75	35.07	54	-18.93	-	-	-	-	1	200	V
2	10.395693	59.98	PK-U	37.6	-47.11	50.47	-	-	-	-	68.2	-17.73	1	100	H
5	10.396375	61.76	PK-U	37.6	-47.11	52.25	-	-	-	-	68.2	-15.95	337	142	V
6	13.740703	57.5	PK-U	39.2	-45.51	51.19	-	-	-	-	68.2	-17.01	337	200	V
3	13.765596	57.14	PK-U	39.2	-45.45	50.89	-	-	-	-	68.2	-17.31	1	198	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	80707 ACF (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
1	* 7.7316	57.3	PK-U	35.9	-47.36	45.84	-	-	74	-28.16	-	-	0	100	H
	* 7.734792	45.89	ADR	35.9	-47.29	34.5	54	-19.5	-	-	-	-	0	100	H
4	* 7.722169	57.56	PK-U	35.9	-47.41	46.05	-	-	74	-27.95	-	-	0	199	V
	* 7.723499	46.13	ADR	35.9	-47.41	34.62	54	-19.38	-	-	-	-	0	199	V
5	10.481131	61.08	PK-U	37.7	-47.05	51.73	-	-	-	-	68.2	-16.47	0	100	V
2	10.480781	59.51	PK-U	37.7	-47.05	50.16	-	-	-	-	68.2	-18.04	0	100	H
3	12.892148	57.12	PK-U	39.6	-45.03	51.69	-	-	-	-	68.2	-16.51	0	199	H
6	12.897933	57.09	PK-U	39.6	-45.02	51.67	-	-	-	-	68.2	-16.53	0	199	V

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

PK-U - U-NII: Maximum Peak

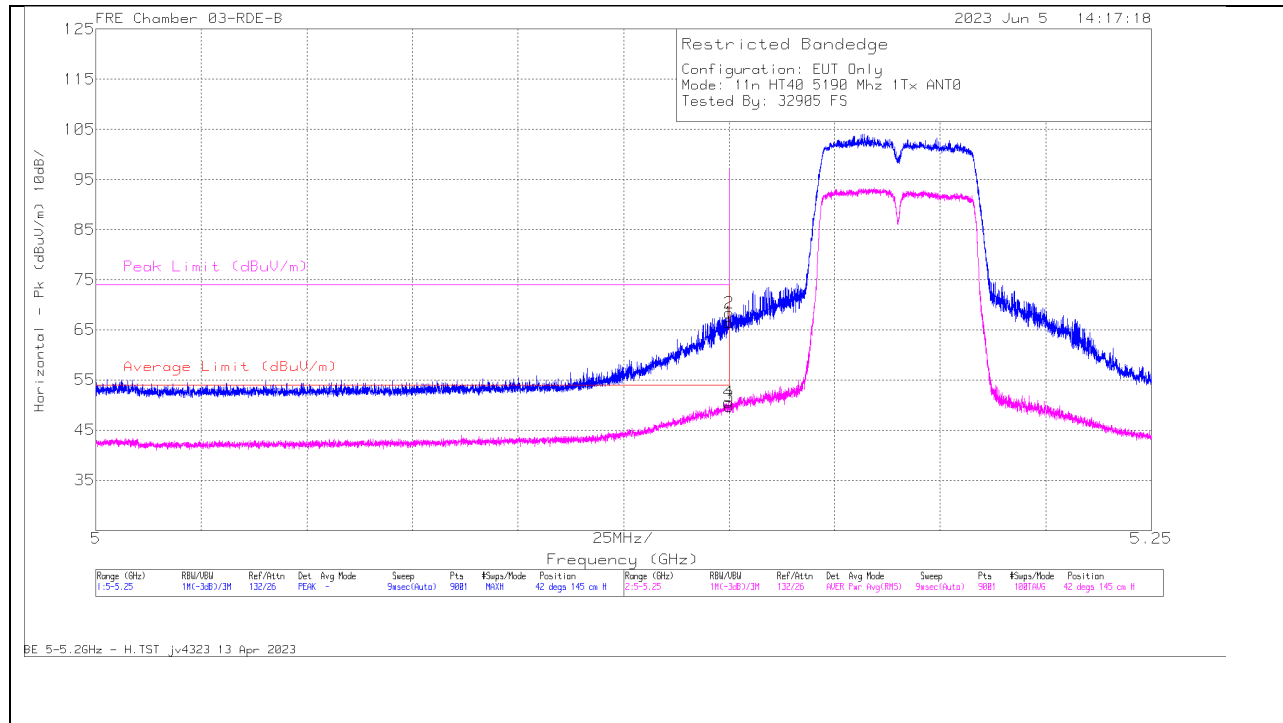
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

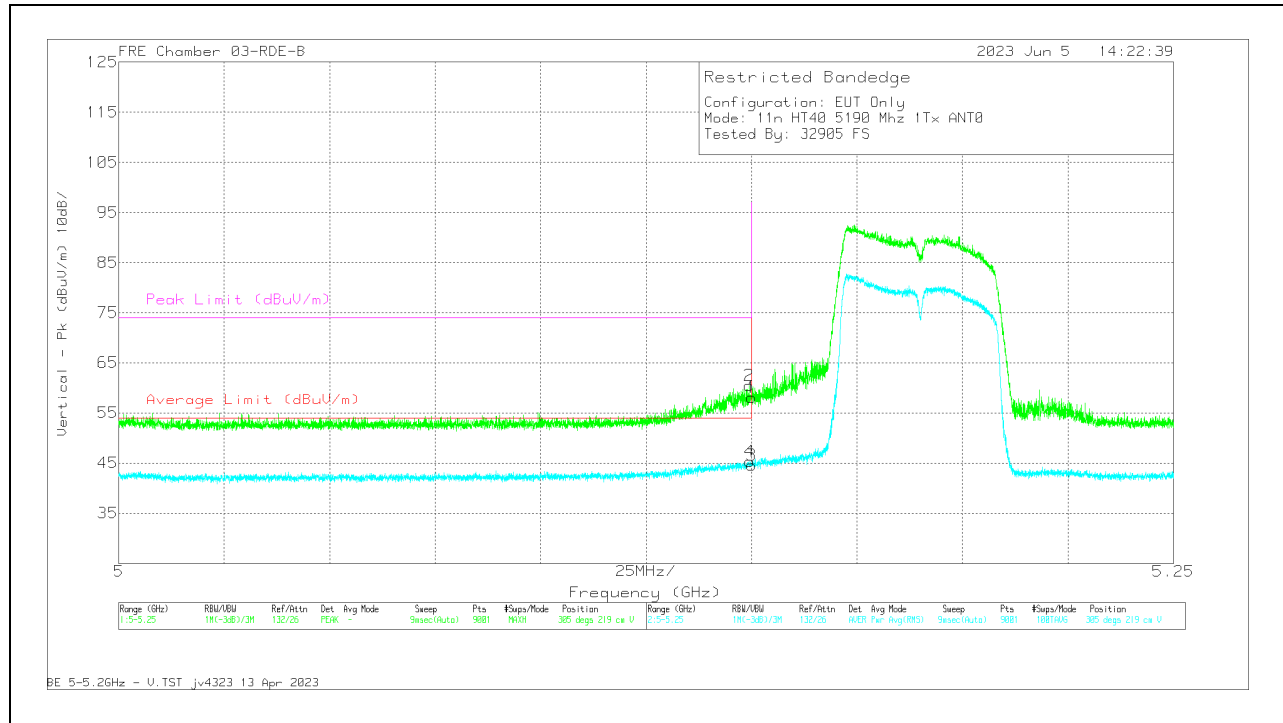


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	72.12	Pk	34.3	0	-39.9	66.52	-	-	74	-7.48	42	145	H
2	* 5.149973	73.91	Pk	34.3	0	-39.9	68.31	-	-	74	-5.69	42	145	H
3	* 5.15	55.12	RMS	34.3	.68	-39.9	50.20	54	-3.80	-	-	42	145	H
4	* 5.14989	56.07	RMS	34.3	.68	-39.9	51.15	54	-2.85	-	-	42	145	H

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

Pk - Peak detector

RMS - RMS detection

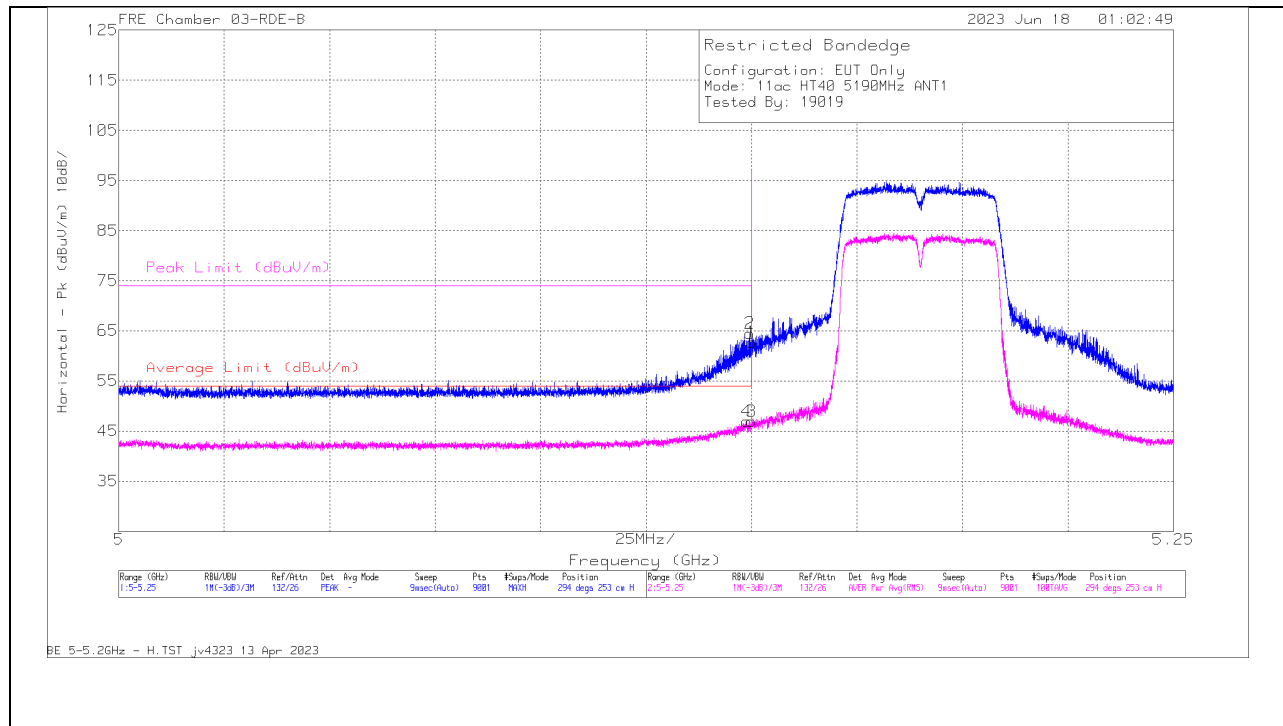
VERTICAL RESULT

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	63.67	Pk	34.3	0	-39.9	58.07	-	-	74	-15.93	305	219	V
2	* 5.149418	66.05	Pk	34.3	0	-39.9	60.45	-	-	74	-13.55	305	219	V
3	* 5.15	49.98	RMS	34.3	.68	-39.9	45.06	54	-8.94	-	-	305	219	V
4	* 5.149557	50.75	RMS	34.3	.68	-39.9	45.83	54	-8.17	-	-	305	219	V

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

Pk - Peak detector

RMS - RMS detection

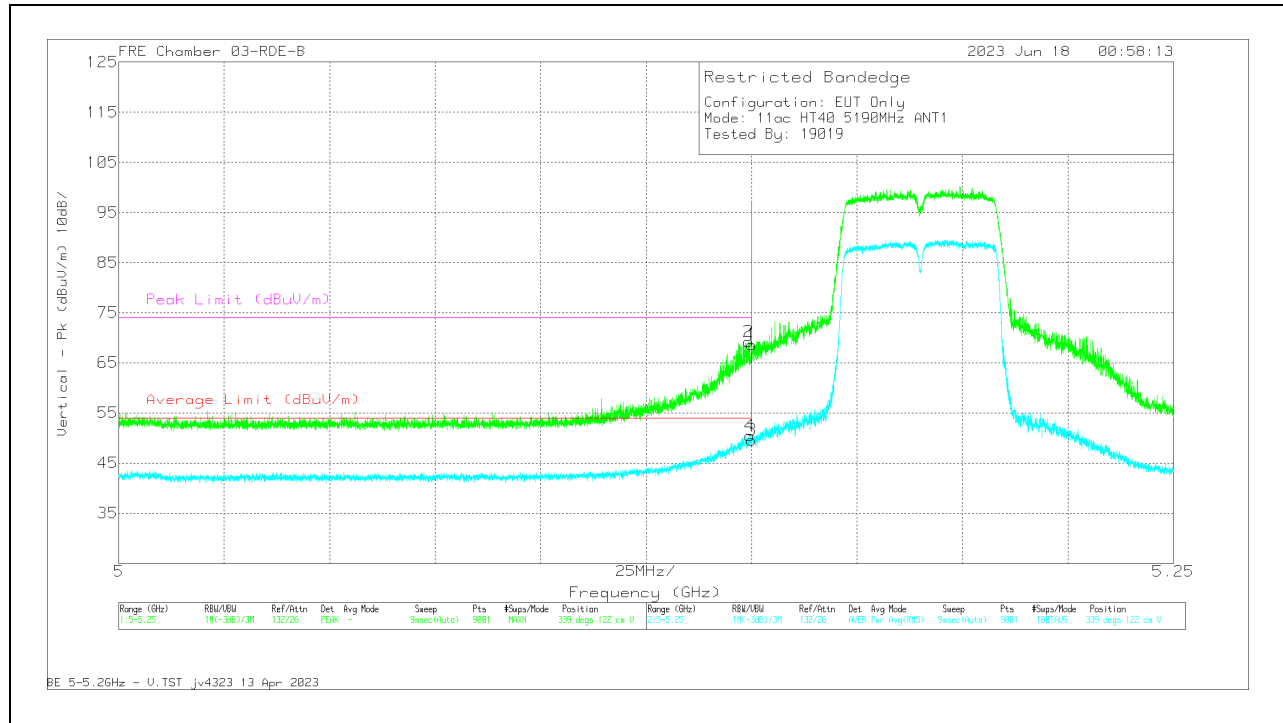
1TX Antenna 5 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	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	68.3	Pk	34.3	0	-39.9	62.7	-	-	74	-11.3	294	253	H
2	* 5.149529	70.14	Pk	34.3	0	-39.9	64.54	-	-	74	-9.46	294	253	H
3	* 5.15	52.4	RMS	34.3	.68	-39.9	47.48	54	-6.52	-	-	294	253	H
4	* 5.148779	52.36	RMS	34.3	.68	-39.9	47.44	54	-6.56	-	-	294	253	H

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

Pk - Peak detector

RMS - RMS detection

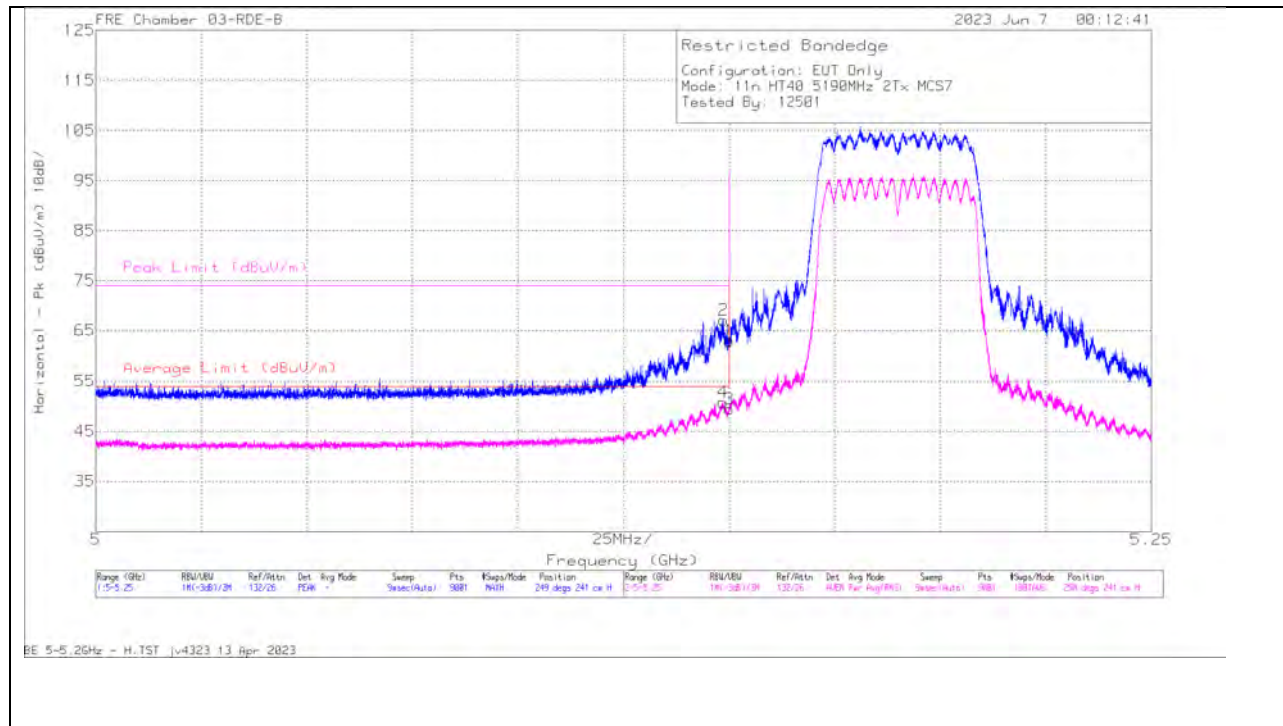
VERTICAL RESULT

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	74.25	Pk	34.3	0	-39.9	68.65	-	-	74	-5.35	339	122	V
2	* 5.149223	74.88	Pk	34.3	0	-39.9	69.28	-	-	74	-4.72	339	122	V
3	* 5.15	55.07	RMS	34.3	.68	-39.9	50.15	54	-3.85	-	-	339	122	V
4	* 5.149585	55.91	RMS	34.3	.68	-39.9	50.99	54	-3.01	-	-	339	122	V

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

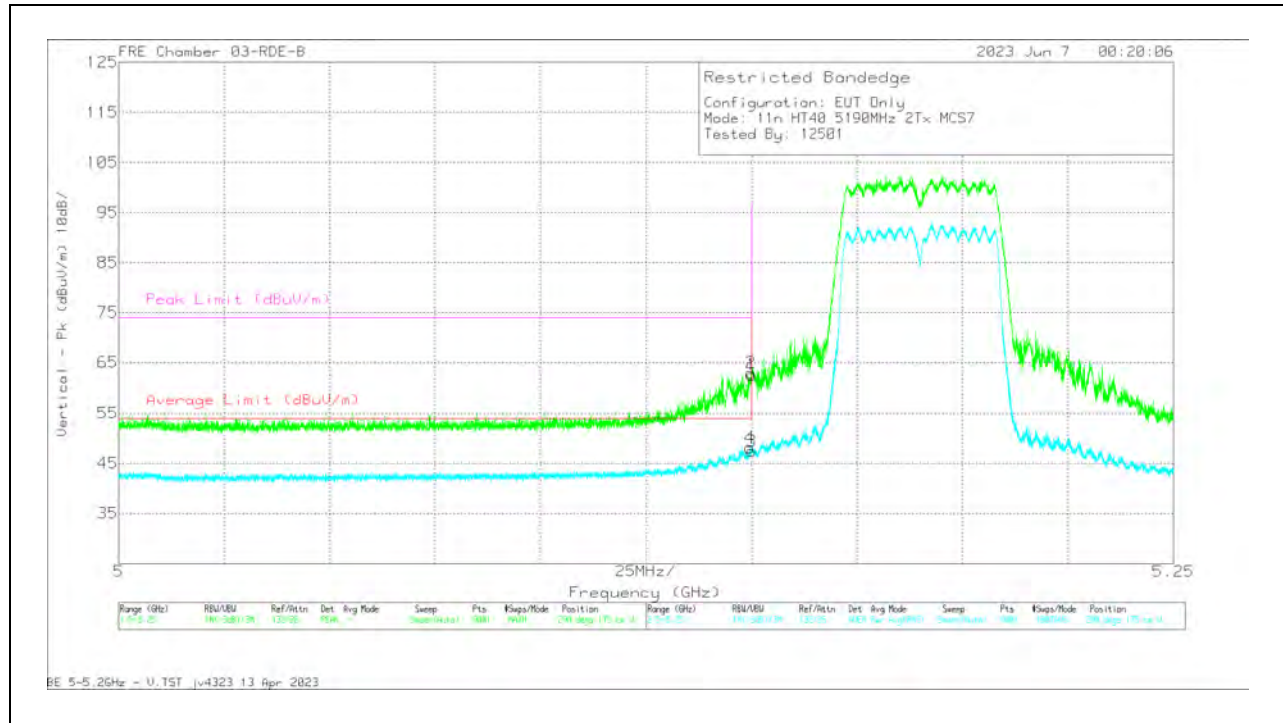
Pk - Peak detector

RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	68.59	PK	34.3	0	-39.9	62.99	-	-	74	-11.01	249	241	H
2	* 5.14864	72.71	PK	34.3	0	-39.9	67.11	-	-	74	-6.89	249	241	H
3	* 5.15	54.91	RMS	34.3	.68	-39.9	49.99	54	-4.01	-	-	250	241	H
4	* 5.148473	56.27	RMS	34.3	.68	-39.9	51.35	54	-2.65	-	-	250	241	H

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

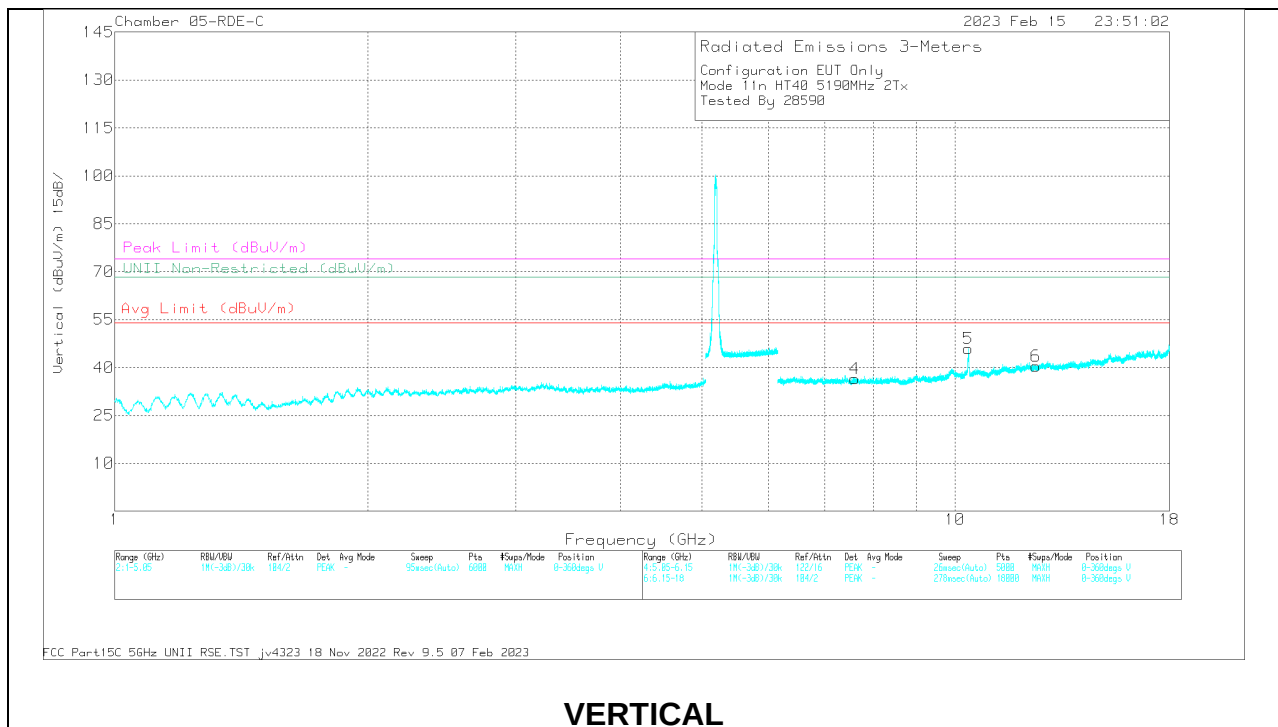
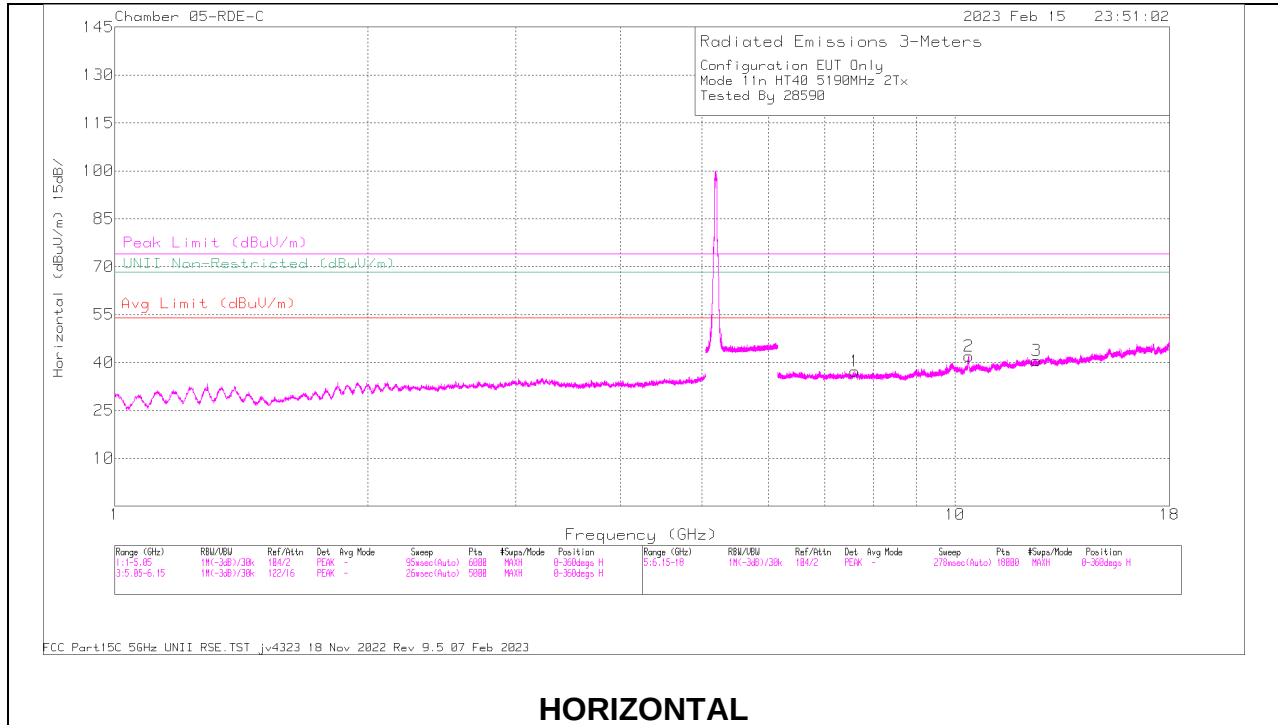
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	68.24	Pk	34.3	0	-39.9	62.64	-	-	74	-11.36	290	175	V
2	* 5.149918	68.53	Pk	34.3	0	-39.9	62.93	-	-	74	-11.07	290	175	V
3	* 5.15	52.92	RMS	34.3	.68	-39.9	48.00	54	-6.00	-	-	290	175	V
4	* 5.14964	53.56	RMS	34.3	.68	-39.9	48.63	54	-5.37	-	-	290	175	V

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

Pk - Peak detector

RMS - RMS detection

1.2.4. 5.2GHz Band, HT40 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

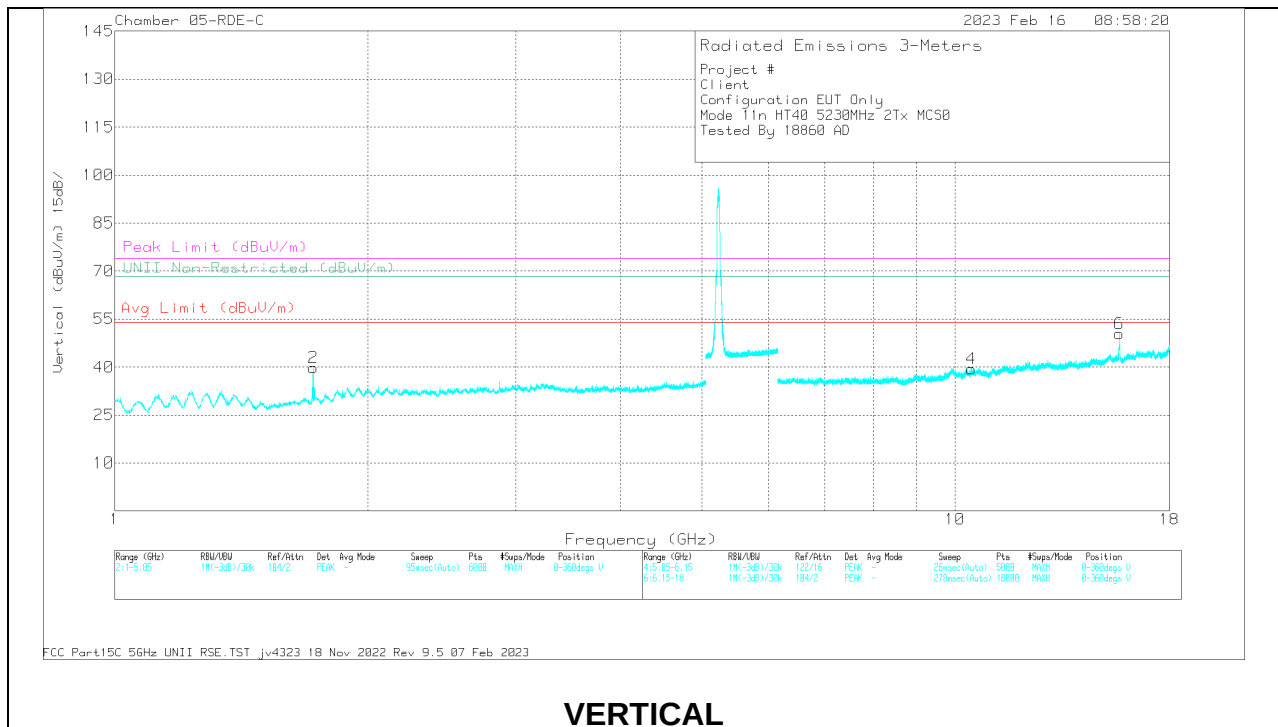
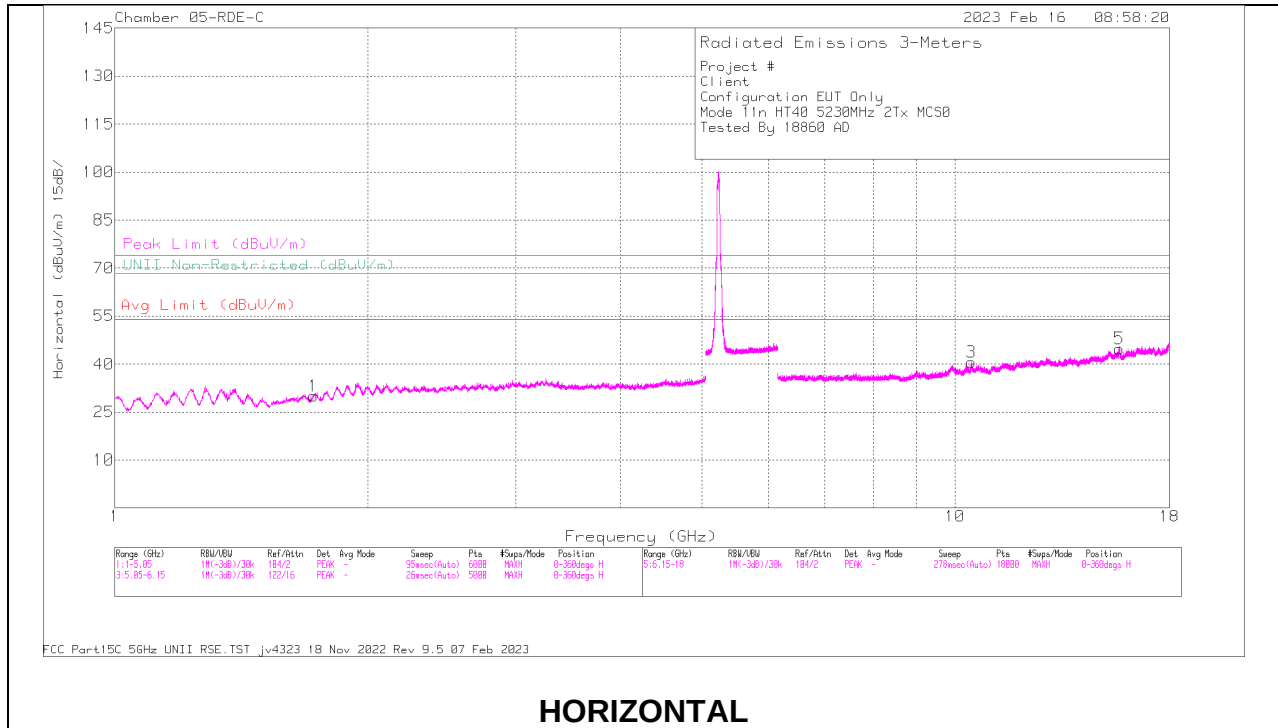
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.603539	57.85	PK-U	36	0	-46.91	46.94	-	-	74	-27.06	-	-	360	100	H
	* 7.599727	46.04	ADR	35.9	.09	-46.93	35.10	54	-18.90	-	-	-	-	360	100	H
3	* 12.504037	55.69	PK-U	39.4	0	-45.16	50.13	-	-	74	-23.87	-	-	88	100	H
	* 12.504613	44.39	ADR	39.4	.09	-45.17	38.71	54	-15.29	-	-	-	-	88	100	H
4	* 7.603457	57.36	PK-U	36	0	-46.91	46.45	-	-	74	-27.55	-	-	88	100	V
	* 7.606013	46.07	ADR	36	.09	-46.87	35.29	54	-18.71	-	-	-	-	88	100	V
5	* 12.486812	55.8	PK-U	39.4	0	-45.13	50.07	-	-	74	-23.93	-	-	337	199	V
	* 12.485299	44.3	ADR	39.4	.09	-45.15	38.64	54	-15.36	-	-	-	-	337	199	V
6	10.377765	64.31	PK-U	37.7	0	-47.17	54.84	-	-	-	-	68.2	-13.36	337	113	V
2	10.381586	61.26	PK-U	37.7	0	-47.13	51.83	-	-	-	-	68.2	-16.37	88	139	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	80707 ACF (dB)	DCCF (dB)	Gain/Loss (dB)	Correct ed Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1.72361	61.22	PK-U	29.3	0	-50.4	40.12	-	-	-	-	68.2	-28.08	201	259	V
1	1.725458	62.09	PK-U	29.3	0	-50.41	40.98	-	-	-	-	68.2	-27.22	265	101	H
4	10.459829	61.11	PK-U	37.7	0	-47.11	51.7	-	-	-	-	68.2	-16.5	294	286	V
3	10.460678	59.06	PK-U	37.7	0	-47.1	49.66	-	-	-	-	68.2	-18.54	254	165	H
5	15.700335	58.7	PK-U	40.7	0	-43.88	55.52	-	-	74	-18.48	-	-	266	120	H
	15.699922	47.56	ADR	40.7	.09	-43.88	44.47	54	-9.53	-	-	-	-	266	120	H
6	15.700713	62.6	PK-U	40.7	0	-43.87	59.43	-	-	74	-14.57	-	-	286	103	V
	15.699798	51.05	ADR	40.7	.09	-43.88	47.96	54	-6.04	-	-	-	-	286	103	V

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

PK-U - U-NII: Maximum Peak

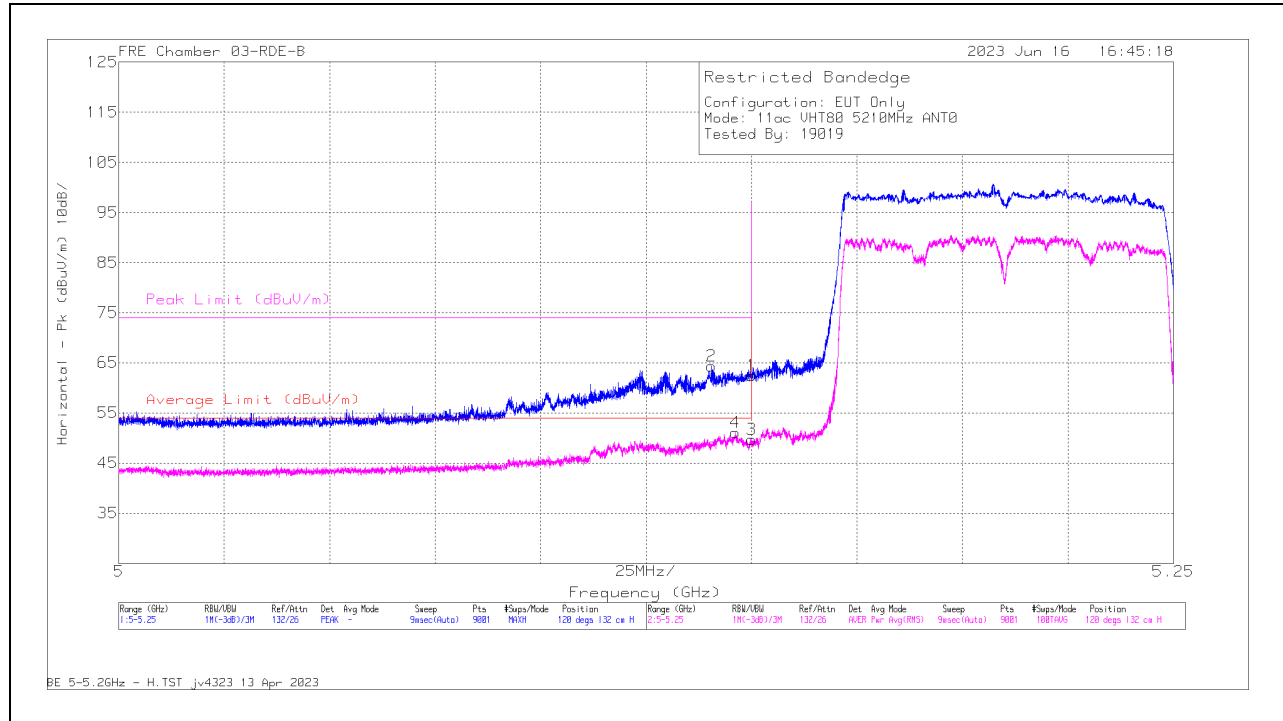
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

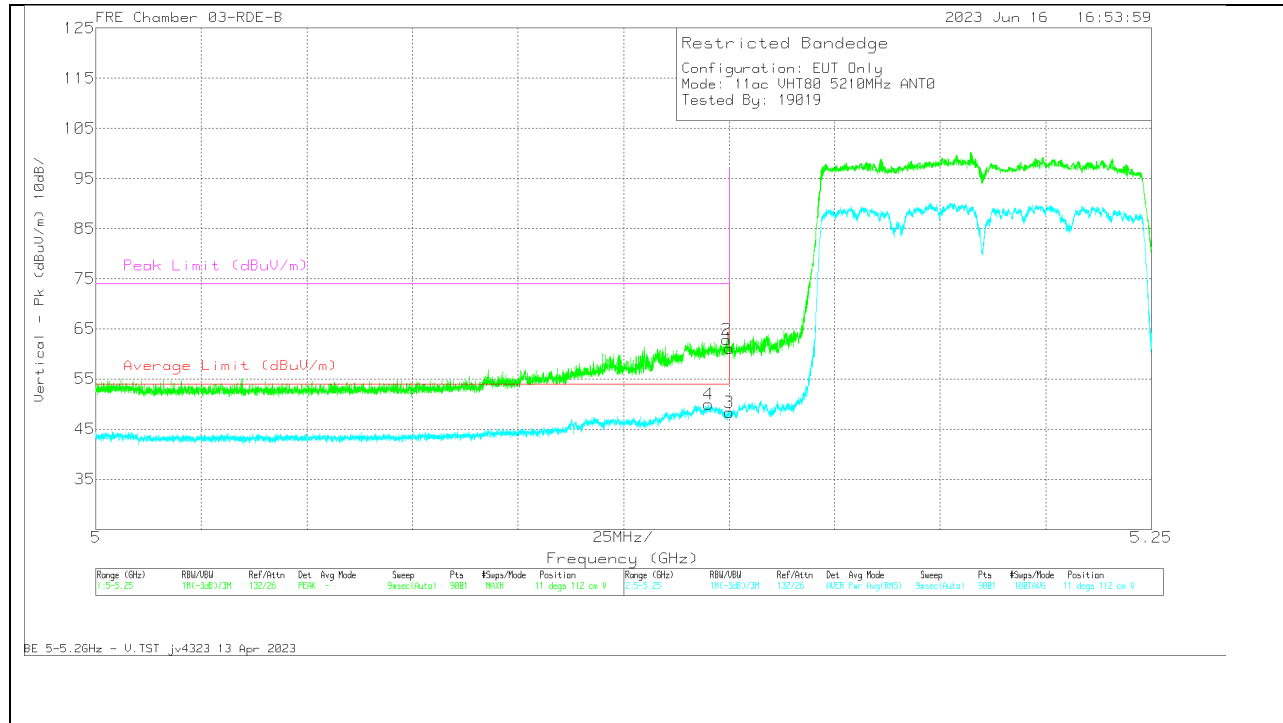


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	68.13	PK	34.3	0	-39.9	62.53	-	-	74	-11.47	120	132	H
2	* 5.140501	69.95	PK	34.3	0	-39.95	64.3	-	-	74	-9.7	120	132	H
3	* 5.15	54.06	RMS	34.3	1.39	-39.9	49.85	54	-4.15	-	-	120	132	H
4	* 5.146223	55.58	RMS	34.3	1.39	-39.98	51.29	54	-2.71	-	-	120	132	H

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

PK - Peak detector

RMS - RMS detection

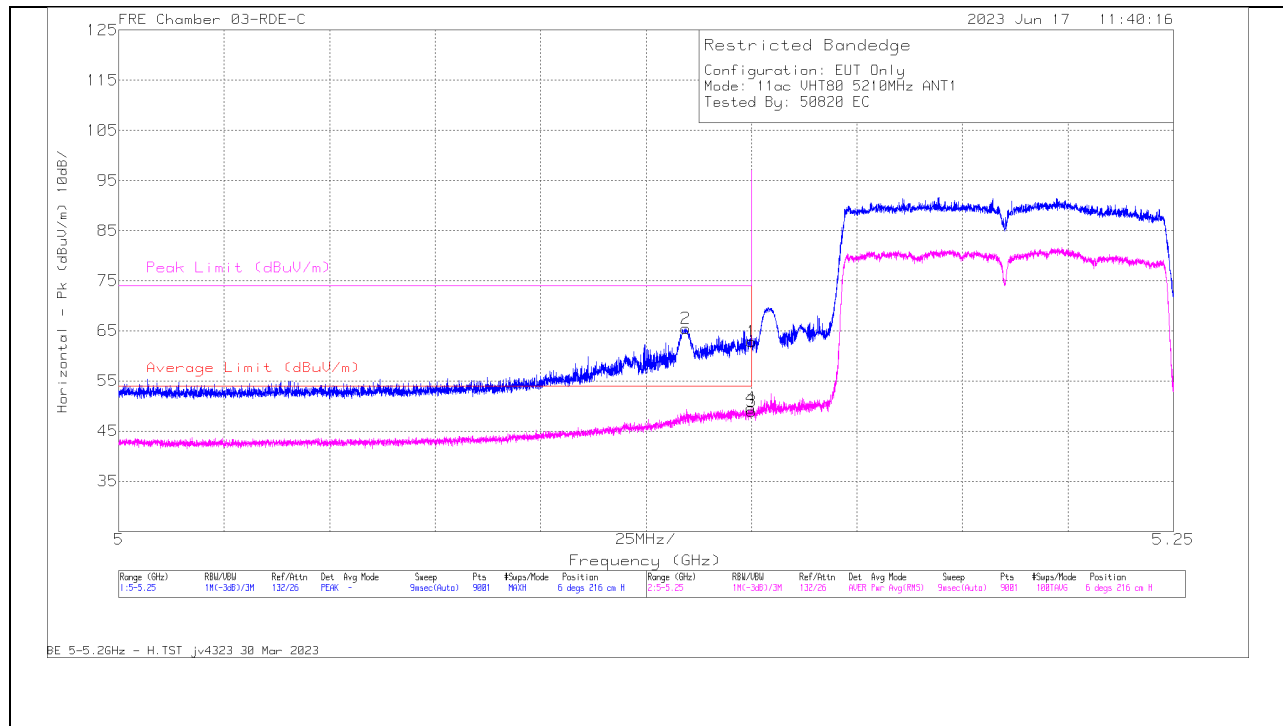
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	66.66	Pk	34.3	0	-39.9	61.06	-	-	74	-12.94	11	112	V
2	* 5.149362	68.43	Pk	34.3	0	-39.9	62.83	-	-	74	-11.17	11	112	V
3	* 5.15	52.7	RMS	34.3	1.39	-39.9	48.49	54	-5.51	-	-	11	112	V
4	* 5.14514	54.44	RMS	34.3	1.39	-40	50.23	54	-3.77	-	-	11	112	V

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

Pk - Peak detector

RMS - RMS detection

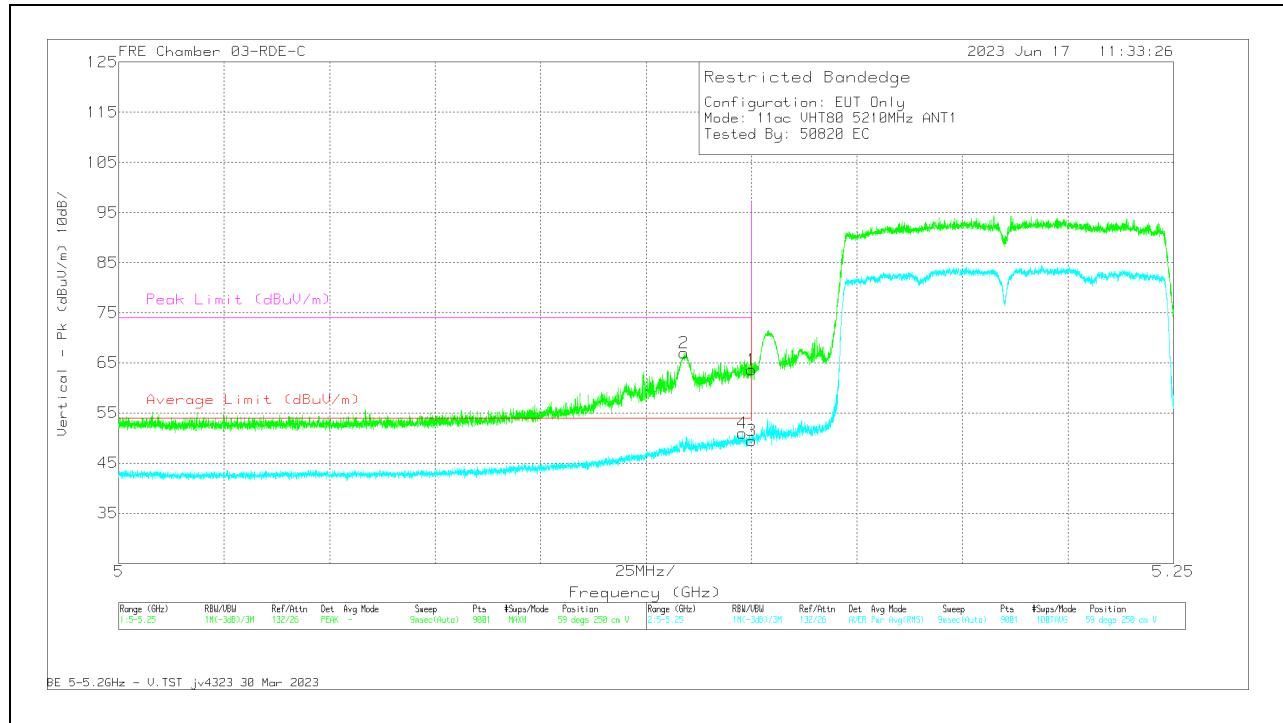
1TX Antenna 5 MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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
2	* 5.134446	69.65	Pk	34.3	0	-38.51	65.44	-	-	74	-8.56	6	216	H
4	* 5.149862	53.15	RMS	34.4	1.39	-38.41	50.53	54	-3.47	-	-	6	216	H
1	* 5.15	66.87	Pk	34.4	0	-38.4	62.87	-	-	74	-11.13	6	216	H
3	* 5.15	52.52	RMS	34.4	1.39	-38.4	49.91	54	-4.09	-	-	6	216	H

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

Pk - Peak detector

RMS - RMS detection

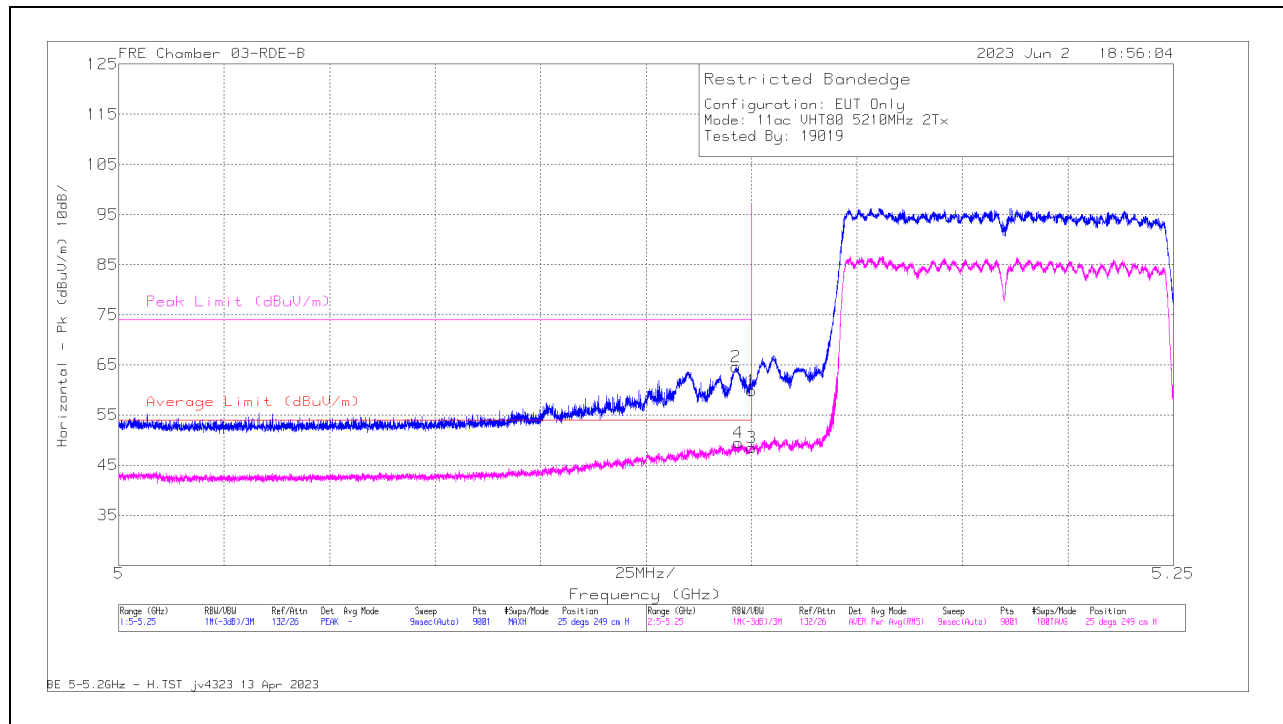
VERTICAL RESULT

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	67.59	Pk	34.4	0	-38.4	63.59	-	-	74	-10.41	59	250	V
2	* 5.133946	71.23	Pk	34.3	0	-38.59	66.94	-	-	74	-7.06	59	250	V
3	* 5.15	52.99	RMS	34.4	1.39	-38.4	50.38	54	-3.62	-	-	59	250	V
4	* 5.147862	54.62	RMS	34.4	1.39	-38.51	51.89	54	-2.11	-	-	59	250	V

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

Pk - Peak detector

RMS - RMS detection

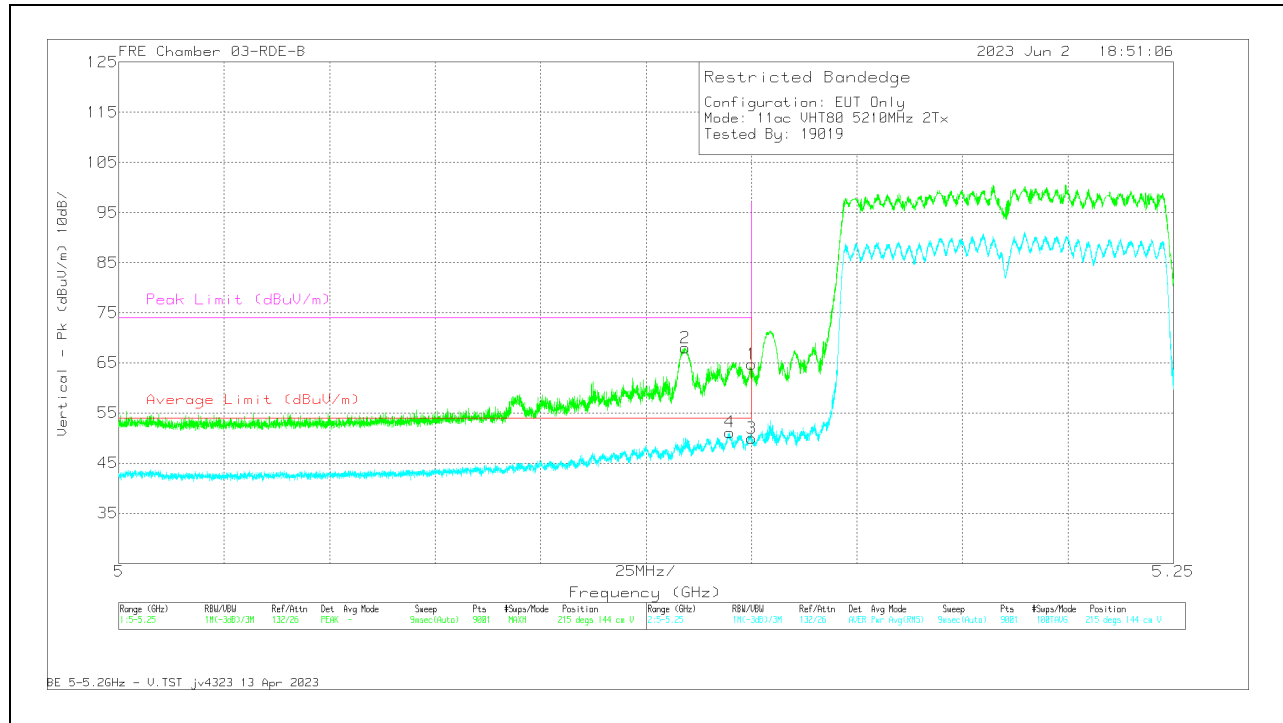
2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	65.41	Pk	34.3	0	-39.9	59.81	-	-	74	-14.19	25	249	H
2	* 5.146251	70.25	Pk	34.3	0	-39.97	64.58	-	-	74	-9.42	25	249	H
3	* 5.15	53.65	RMS	34.3	1.39	-39.9	49.44	54	-4.56	-	-	25	249	H
4	* 5.146862	54.6	RMS	34.3	1.39	-39.91	50.38	54	-3.52	-	-	25	249	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	70.28	Pk	34.3	0	-39.9	64.68	-	-	74	-9.32	215	144	V
2	* 5.134251	73.62	Pk	34.3	0	-39.9	68.02	-	-	74	-5.98	215	144	V
3	* 5.15	55.11	RMS	34.3	1.39	-39.9	50.9	54	-3.10	-	-	215	144	V
4	* 5.144862	56.4	RMS	34.3	1.39	-40	52.09	54	-1.91	-	-	215	144	V

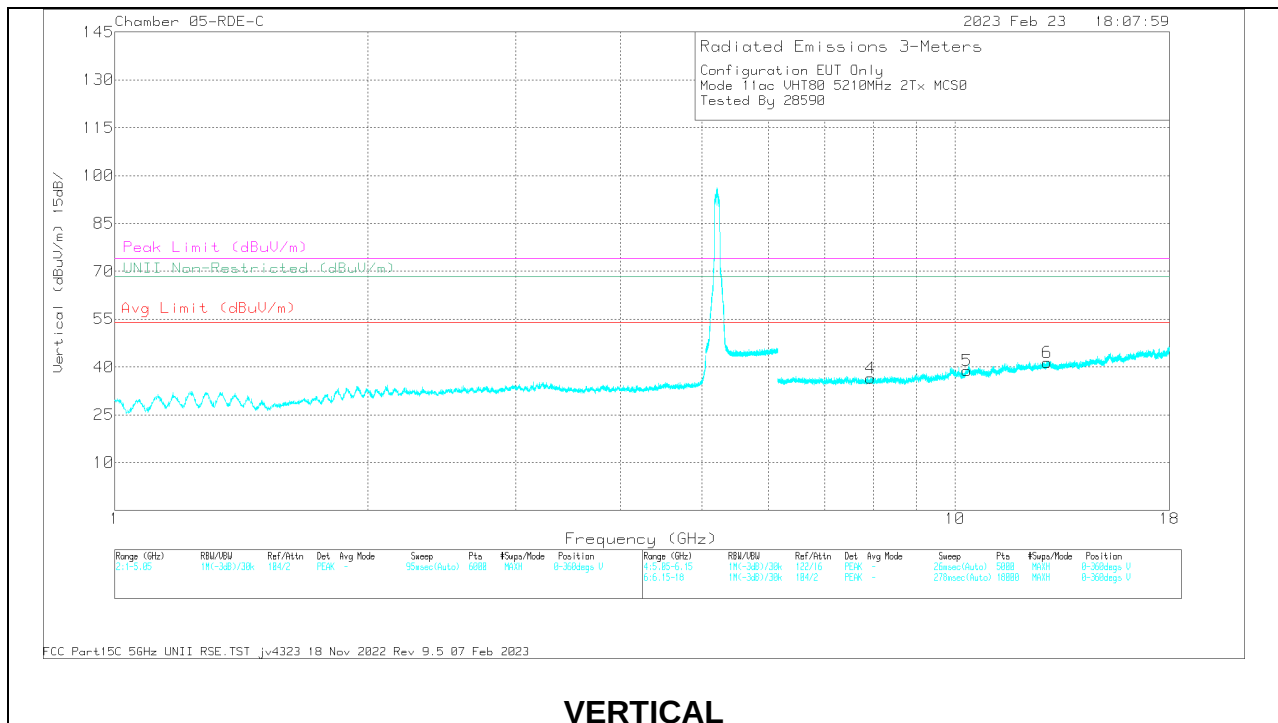
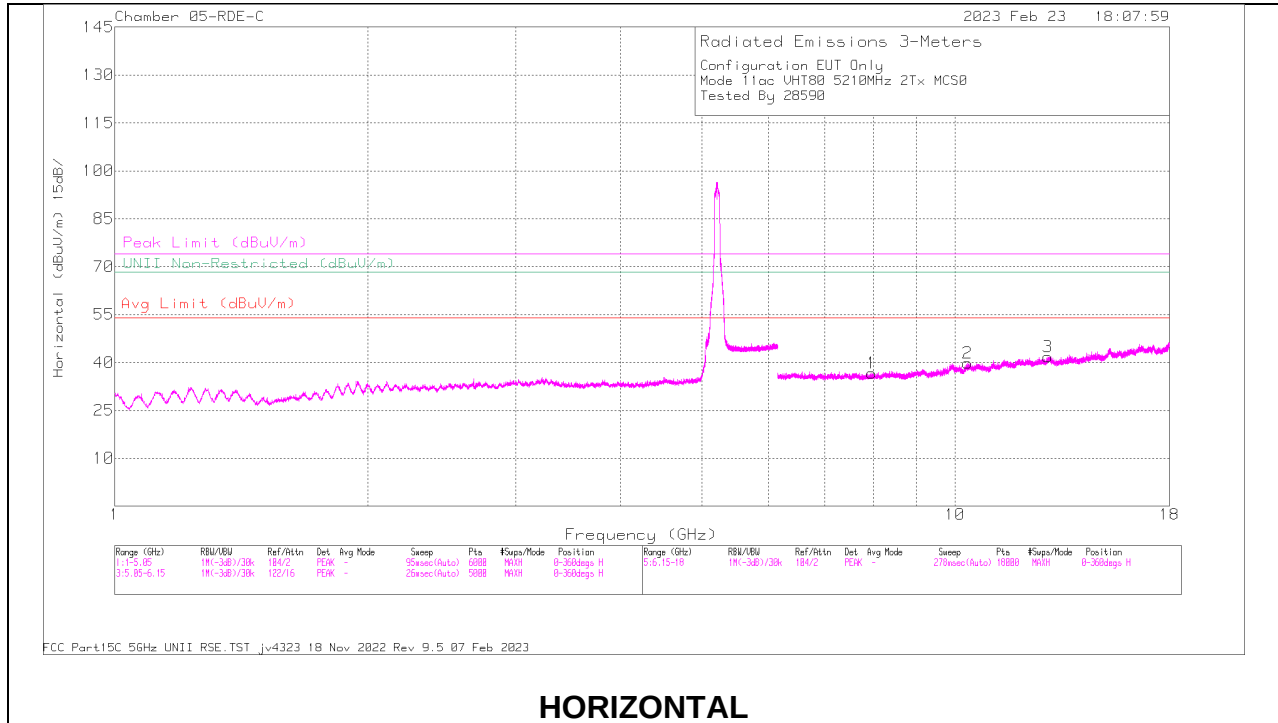
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

1.2.6. 5.2GHz Band, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	7.938053	57.23	PK-U	36	-46.98	46.25	68.2	-21.95	1	199	V
1	7.959111	57.03	PK-U	36	-46.91	46.12	68.2	-22.08	1	199	H
5	10.340775	58.63	PK-U	37.6	-47.23	49	68.2	-19.2	1	101	V
2	10.354164	58.32	PK-U	37.7	-47.25	48.77	68.2	-19.43	1	199	H
6	12.878853	56.57	PK-U	39.6	-45.06	51.11	68.2	-17.09	1	101	V
3	12.905547	56.89	PK-U	39.6	-45.06	51.43	68.2	-16.77	1	199	H

PK-U - U-NII: Maximum Peak

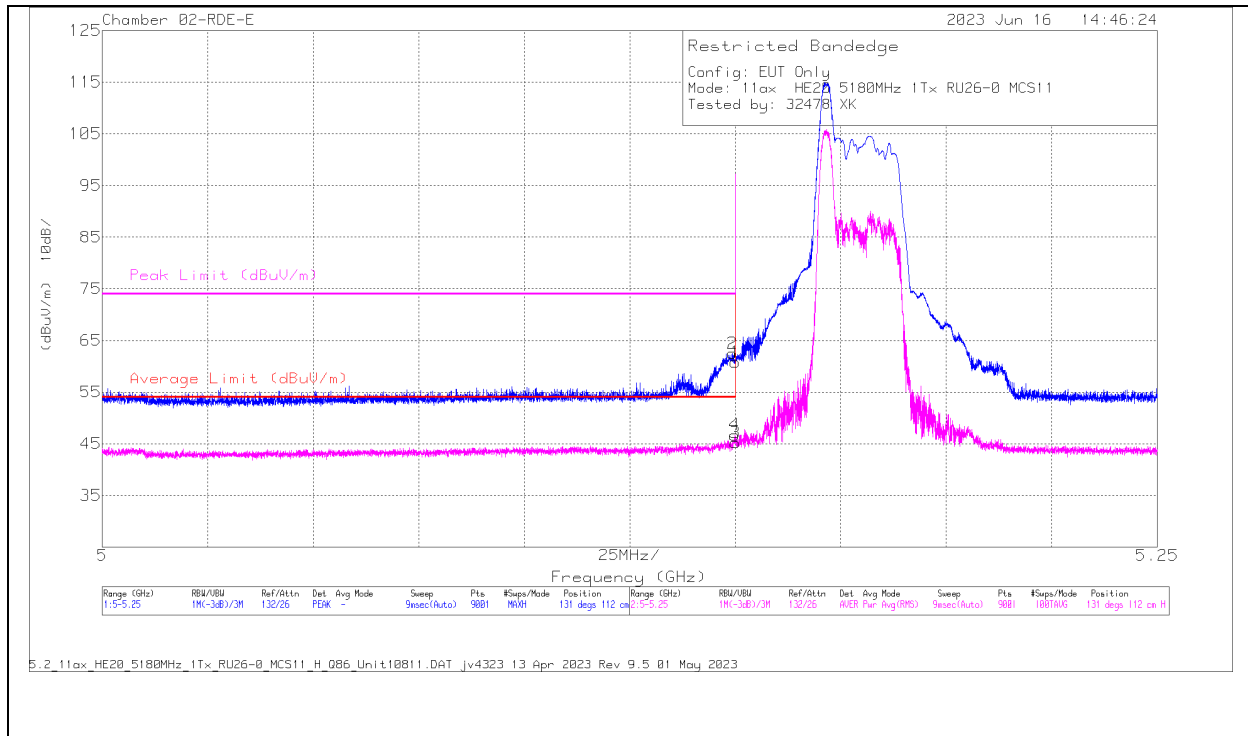
ADR - U-NII AD primary method, RMS average

1.2.7. 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

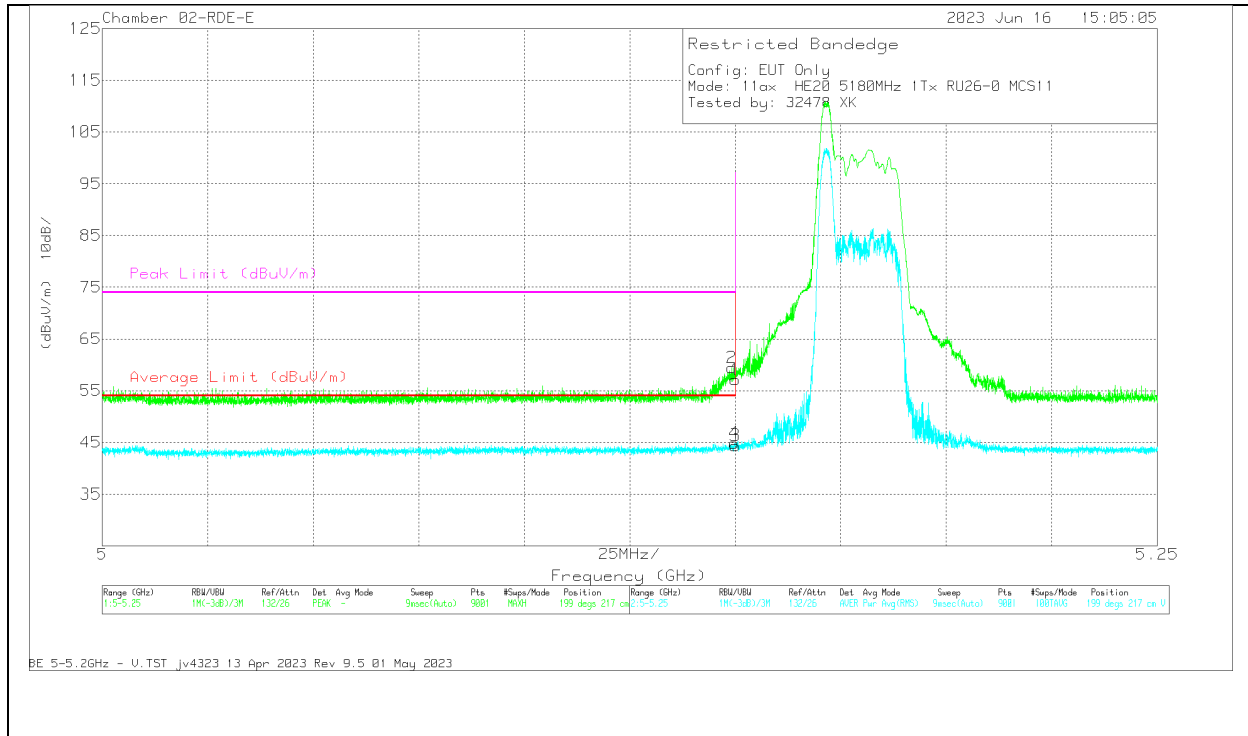


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	64.27	Pk	34.3	0	-37.8	60.77	-	-	74	-13.23	131	112	H
2	* 5.149335	66	Pk	34.3	0	-37.8	62.5	-	-	74	-11.5	131	112	H
3	* 5.15	48.19	RMS	34.3	.50	-37.8	45.19	54	-8.81	-	-	131	112	H
4	* 5.149862	49.73	RMS	34.3	.50	-37.8	46.73	54	-7.27	-	-	131	112	H

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

Pk - Peak detector

RMS - RMS detection

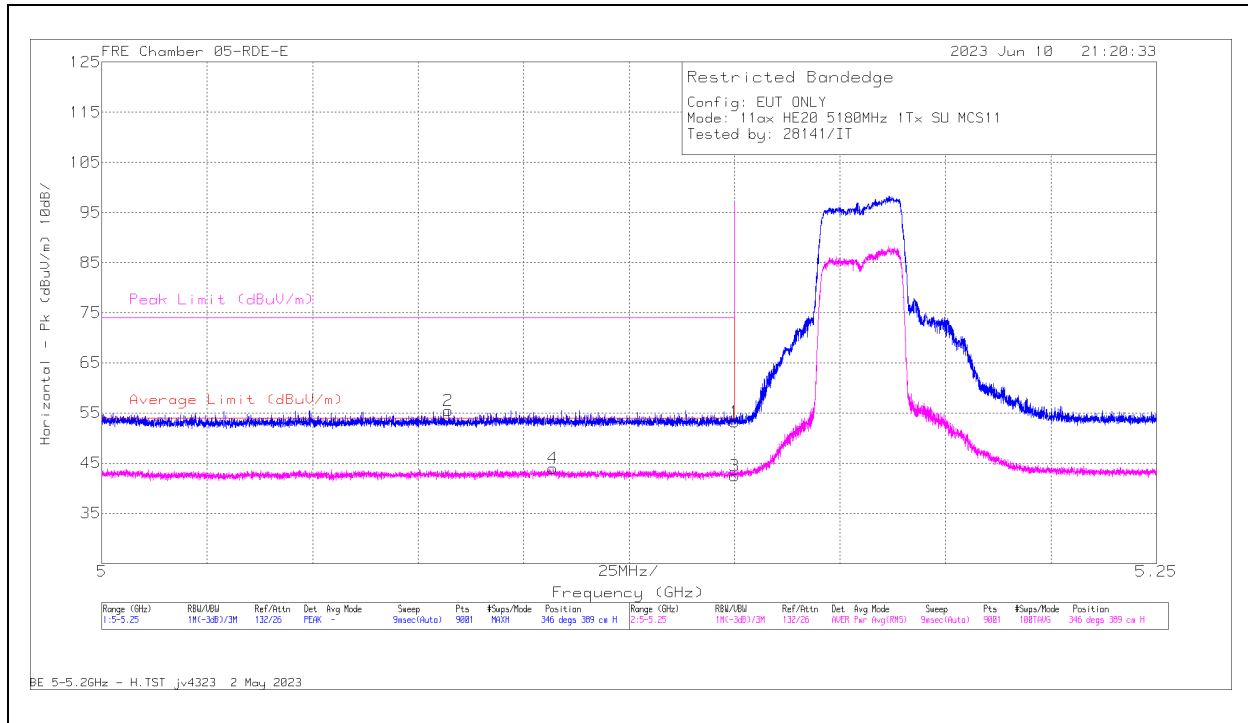
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	60.64	Pk	34.3	0	-37.8	57.14	-	-	74	-16.86	199	217	V
2	* 5.149168	62.93	Pk	34.3	0	-37.8	59.43	-	-	74	-14.57	199	217	V
3	* 5.15	47.4	RMS	34.3	.50	-37.8	44.40	54	-9.60	-	-	199	217	V
4	* 5.149807	47.87	RMS	34.3	.50	-37.8	44.87	54	-9.13	-	-	199	217	V

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

Pk - Peak detector

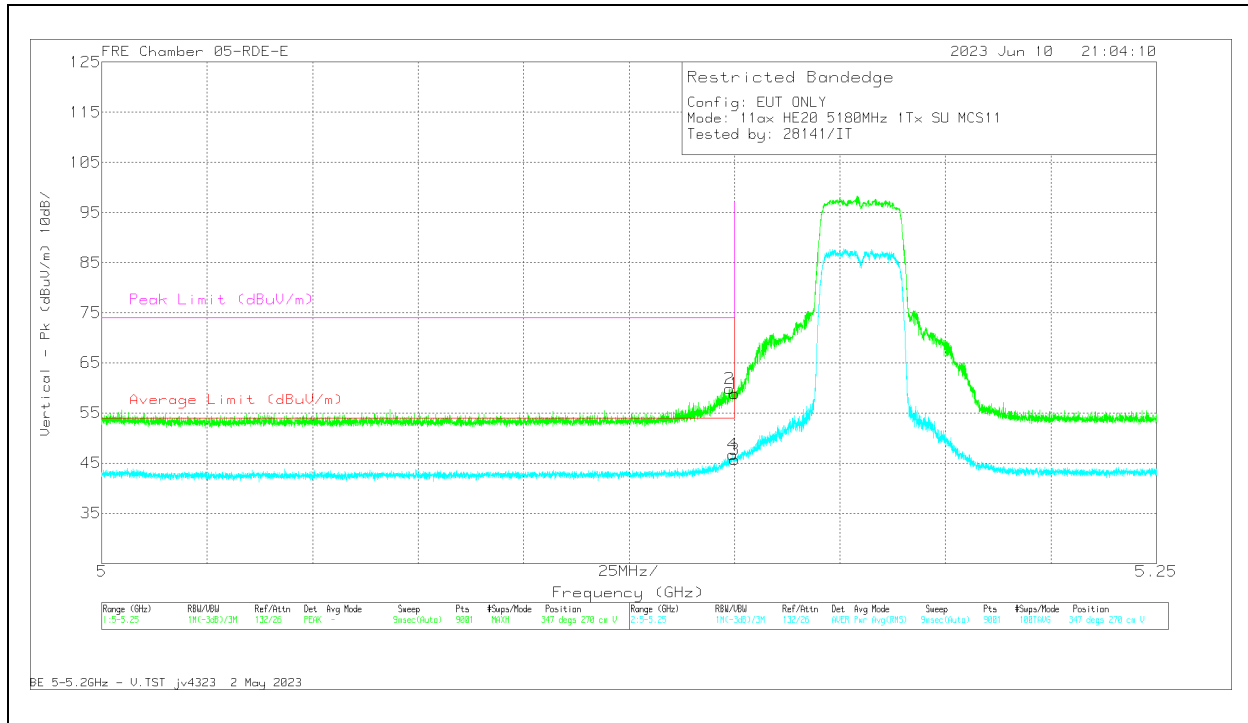
RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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
2	5.08214	60.16	Pk	34.2	0	-38.87	55.49	-	-	74	-18.51	346	389	H
4	5.107001	48	RMS	34.2	.60	-38.83	43.97	54	-10.03	-	-	346	389	H
1	5.15	57.76	Pk	34.3	0	-38.81	53.25	-	-	74	-20.75	346	389	H
3	5.15	46.4	RMS	34.3	.60	-38.81	42.49	54	-11.51	-	-	346	389	H

Pk - Peak detector

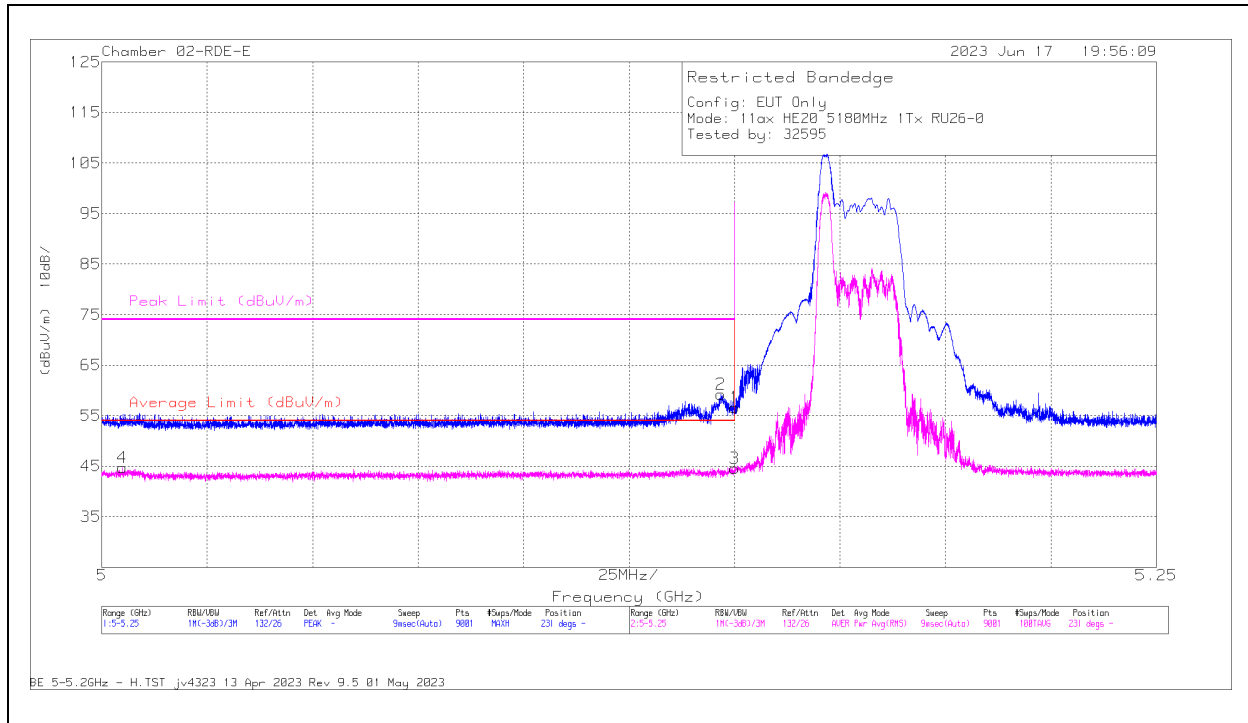
RMS - RMS detection

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
2	5.148779	64.42	Pk	34.3	0	-38.81	59.91	-	-	74	-14.09	347	270	V
4	5.149529	50.69	RMS	34.3	.60	-38.81	46.78	54	-7.22	-	-	347	270	V
1	5.15	63.31	Pk	34.3	0	-38.81	58.8	-	-	74	-15.2	347	270	V
3	5.15	49.68	RMS	34.3	.60	-38.81	45.77	54	-8.23	-	-	347	270	V

Pk - Peak detector

RMS - RMS detection

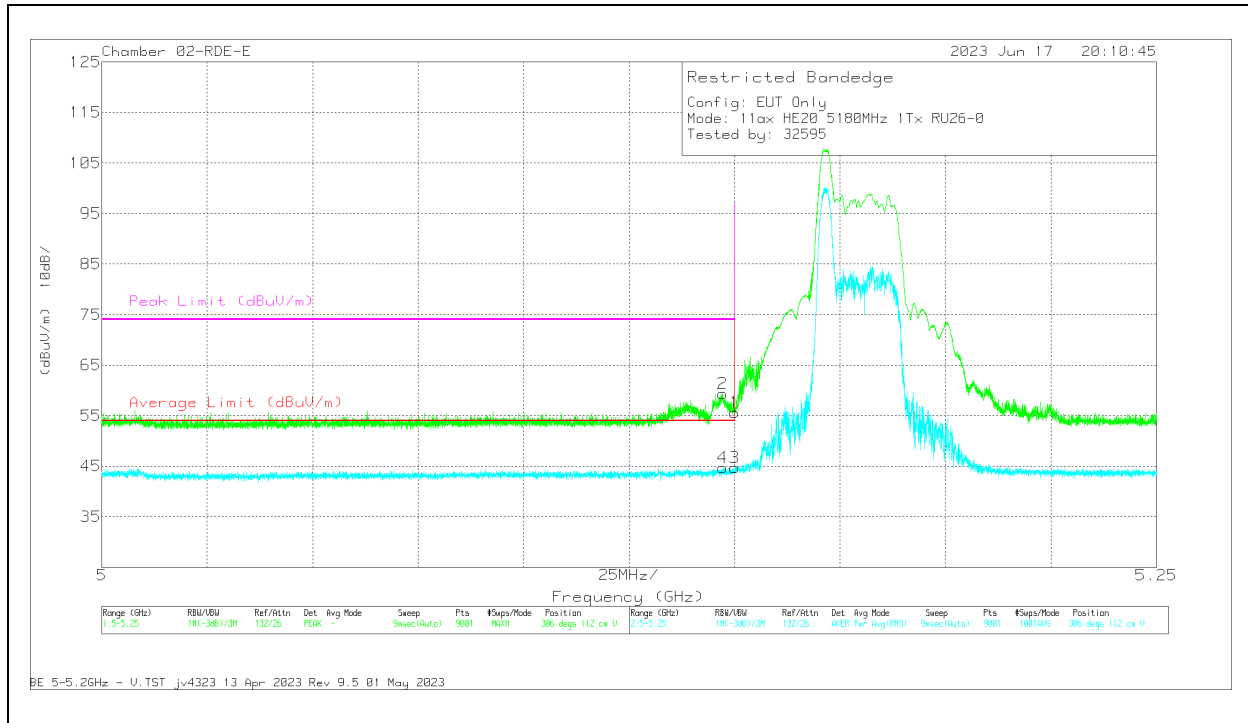
1TX Antenna 5 MODE: 26-Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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)
1	* 5.15	60.09	Pk	34.3	0	-37.8	56.59	-	-	74	-17.41	231
2	* 5.146696	62.72	Pk	34.3	0	-37.83	59.19	-	-	74	-14.81	231
3	* 5.15	47.54	RMS	34.3	.5	-37.8	44.54	54	-9.46	-	-	231
4	* 5.004889	47.9	RMS	34	.5	-37.69	44.71	54	-9.29	-	-	231

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

Pk - Peak detector

RMS - RMS detection

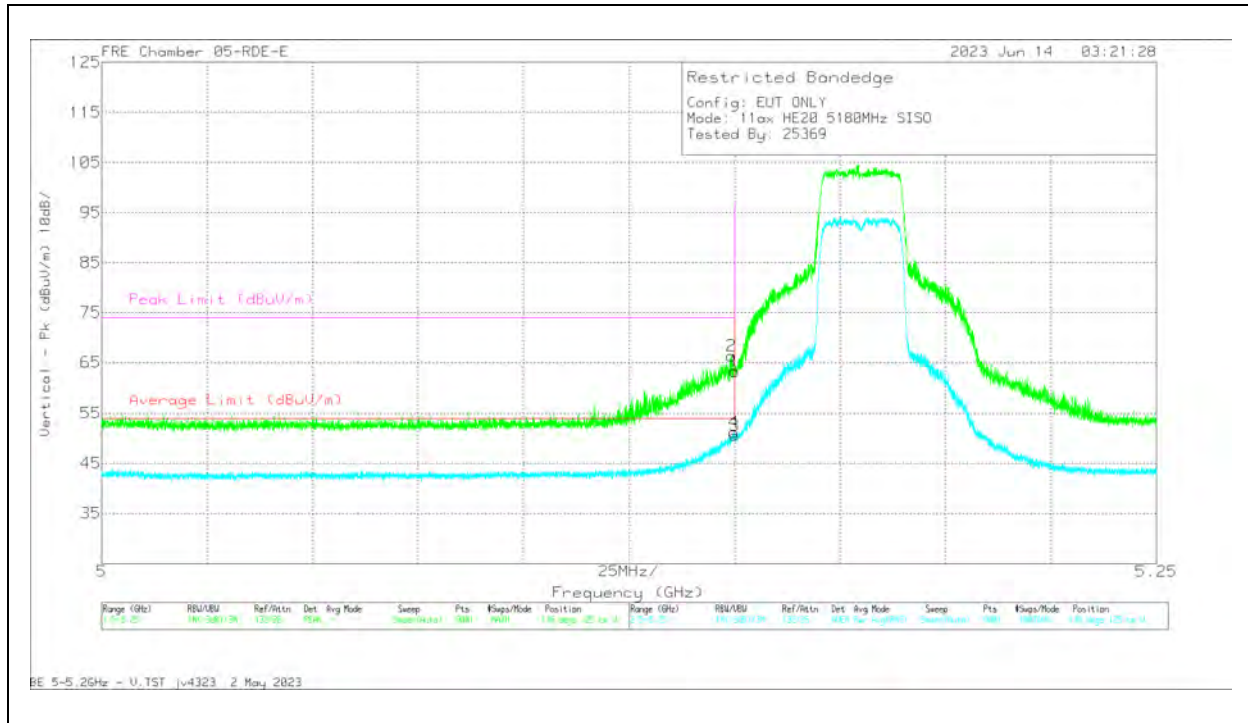
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	59.11	Pk	34.3	0	-37.8	55.61	-	-	74	-18.39	306	112	V
2	* 5.14714	62.85	Pk	34.3	0	-37.83	59.32	-	-	74	-14.68	306	112	V
3	* 5.15	47.69	RMS	34.3	.5	-37.8	44.69	54	-9.31	-	-	306	112	V
4	* 5.14714	47.77	RMS	34.3	.5	-37.83	44.74	54	-9.26	-	-	306	112	V

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

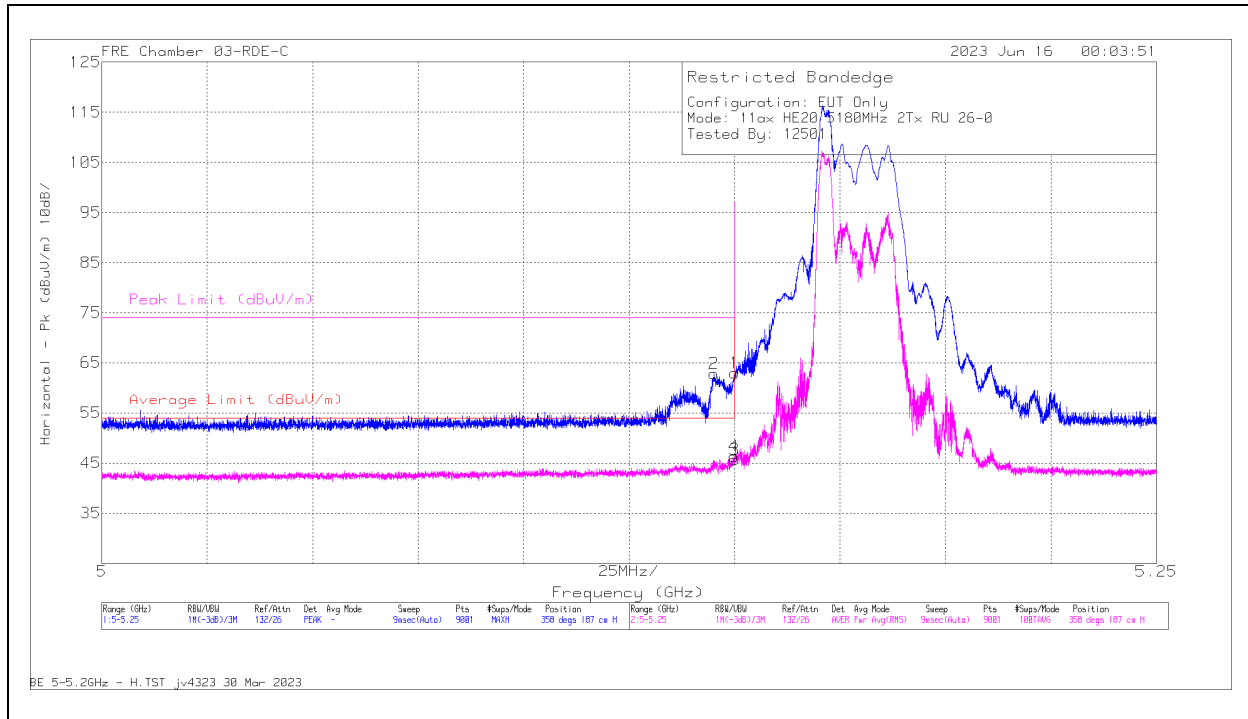
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.149223	70.9	Pk	34.3	0	-38.81	66.39	-	-	74	-7.61	136	125	V
4	5.14989	55.13	RMS	34.3	.60	-38.81	51.22	54	-2.78	-	-	136	125	V
1	5.15	67.83	Pk	34.3	0	-38.81	63.32	-	-	74	-10.68	136	125	V
3	5.15	54.51	RMS	34.3	.60	-38.81	50.60	54	-3.40	-	-	136	125	V

Pk - Peak detector

RMS - RMS detection

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

HORIZONTAL RESULT

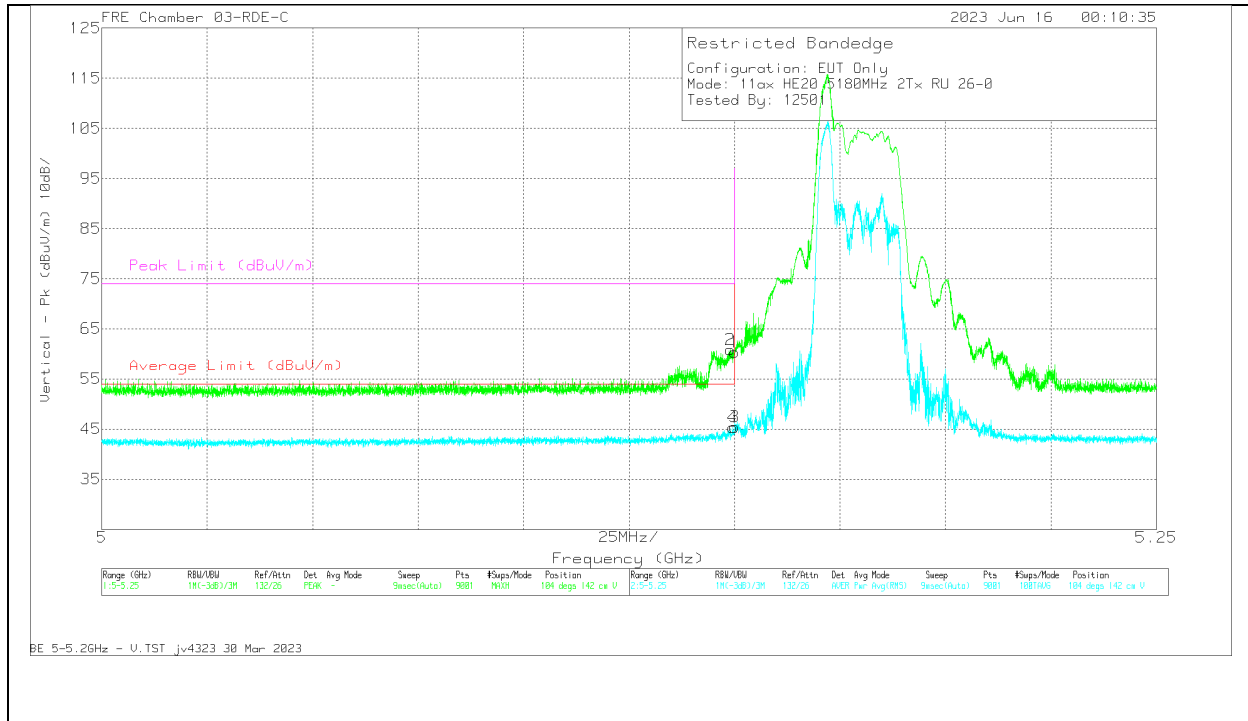


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	66.99	Pk	34.4	0	-38.4	62.99	-	-	74	-11.01	358	187	H
2	* 5.145168	66.99	Pk	34.3	0	-38.48	62.81	-	-	74	-11.19	358	187	H
3	* 5.15	49.56	RMS	34.4	.50	-38.4	46.06	54	-7.94	-	-	358	187	H
4	* 5.149918	50.18	RMS	34.4	.50	-38.41	46.67	54	-7.33	-	-	358	187	H

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

PK - Peak detector

RMS - RMS detection

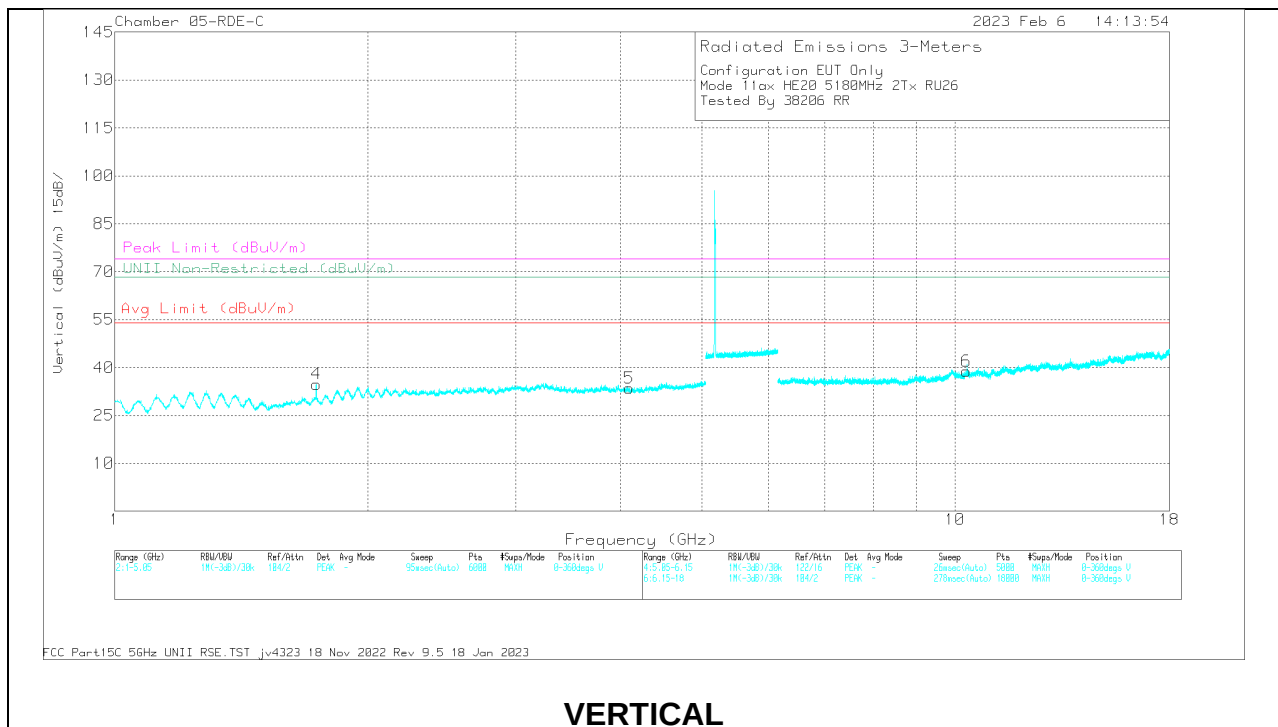
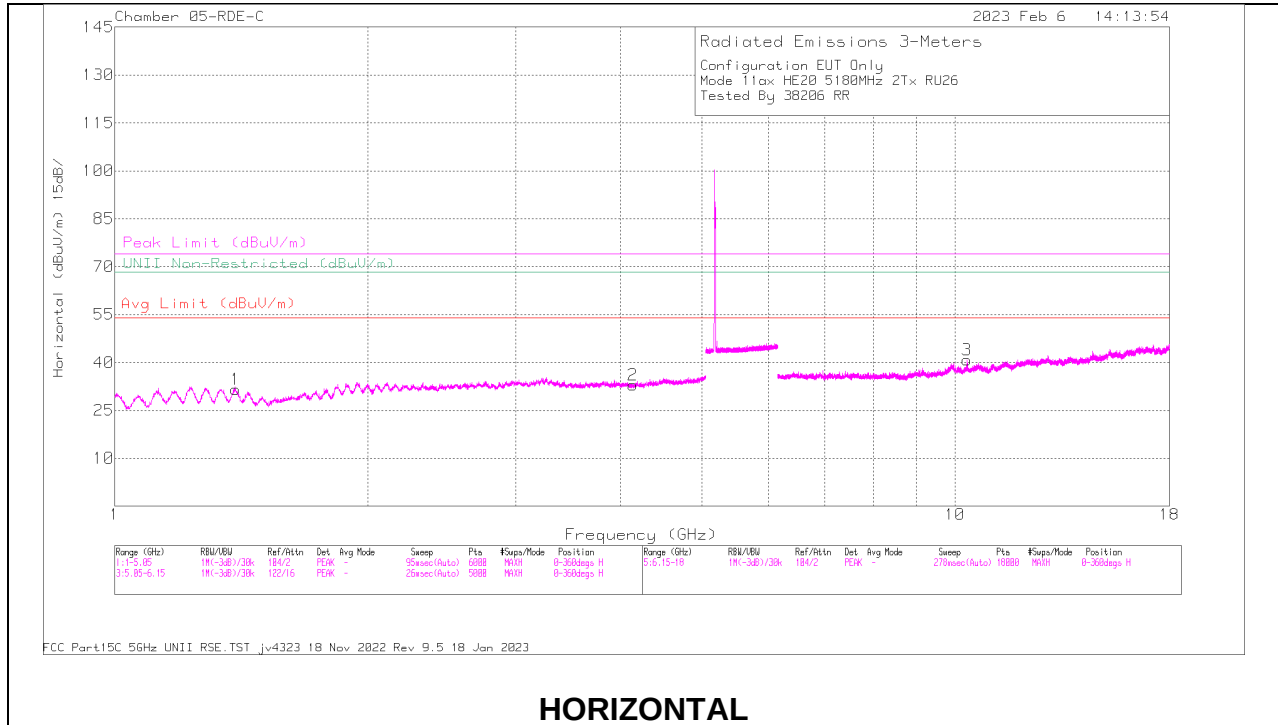
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22672 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	64.32	Pk	34.4	0	-38.4	60.32	-	-	74	-13.68	104	142	V
2	* 5.149029	64.96	Pk	34.4	0	-38.5	60.86	-	-	74	-13.14	104	142	V
3	* 5.15	49.29	RMS	34.4	.50	-38.4	45.79	54	-8.21	-	-	104	142	V
4	* 5.149557	49.21	RMS	34.4	.50	-38.44	45.67	54	-8.33	-	-	104	142	V

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

Pk - Peak detector

RMS - RMS detection

1.2.8. 5.2GHz 11ax, HE20 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

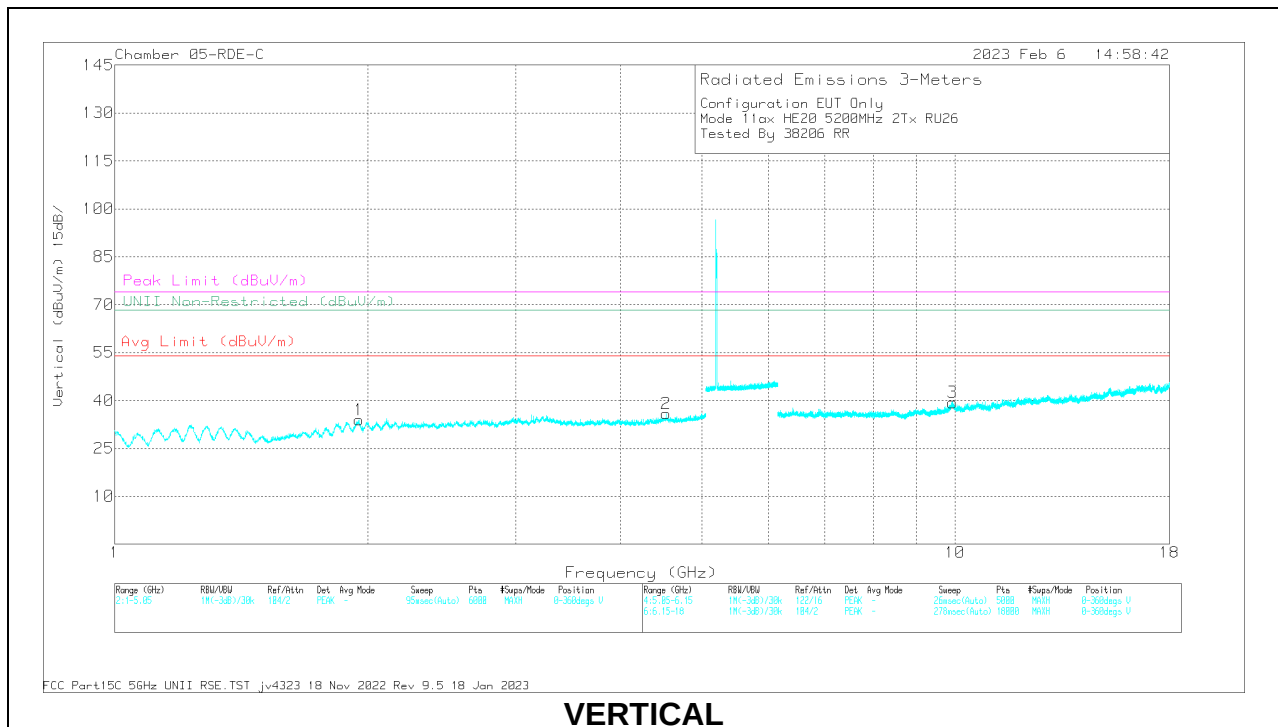
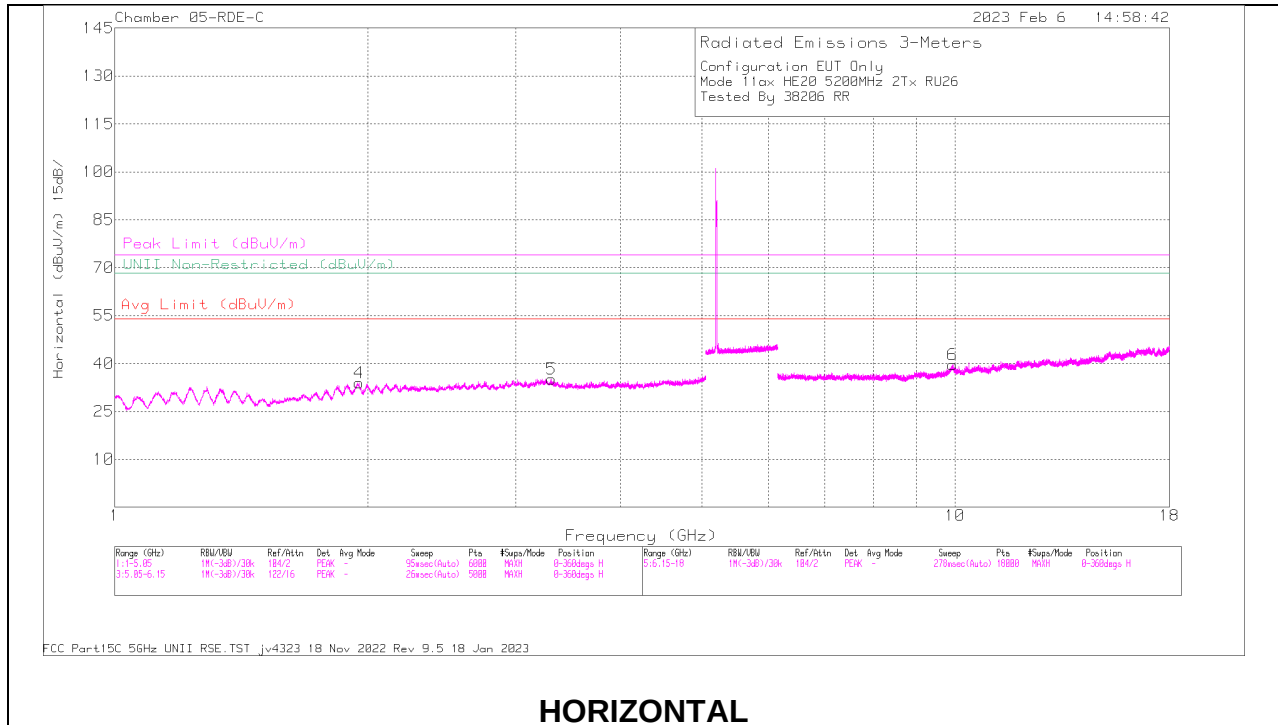
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (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
1	1.392967	62.88	PK-U	29.2	-50.52	-41.56	-	-	74	-32.44	-	-	235	214	H
	1.393866	51.27	ADR	29.2	-50.52	29.95	54	-24.05	-	-	-	-	235	214	H
4	1.734636	62.02	PK-U	29.4	-50.43	40.99	-	-	-	-	68.2	-27.21	0	307	V
5	4.093637	57.49	PK-U	33.4	-47.48	43.41	-	-	74	-30.59	-	-	360	273	V
	4.092454	45.78	ADR	33.4	-47.5	31.68	54	-22.32	-	-	-	-	360	273	V
2	4.138368	57.48	PK-U	33.4	-47.71	43.17	-	-	74	-30.83	-	-	119	371	H
	4.136714	46.07	ADR	33.4	-47.71	31.76	54	-22.24	-	-	-	-	119	371	H
6	10.326398	58.89	PK-U	37.6	-47.33	49.16	-	-	-	-	68.2	-19.04	121	357	V
3	10.343526	67.39	PK-U	37.6	-47.25	57.74	-	-	-	-	68.2	-10.46	175	210	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

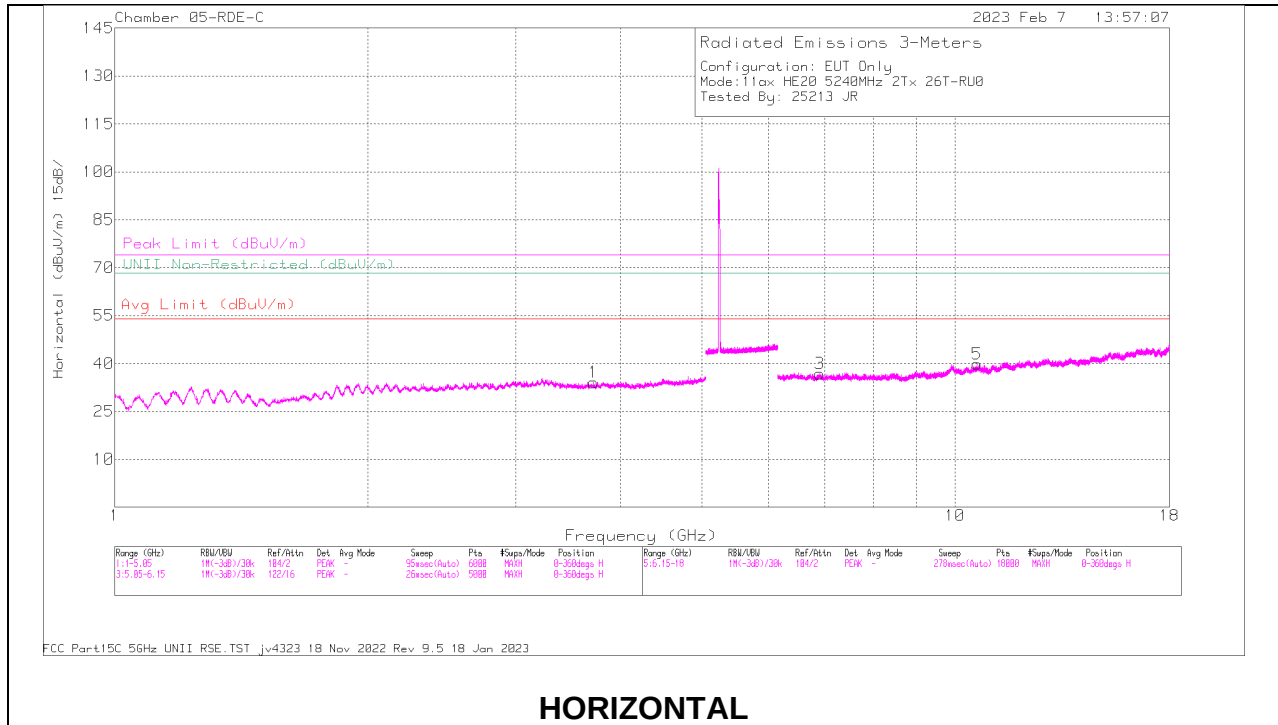
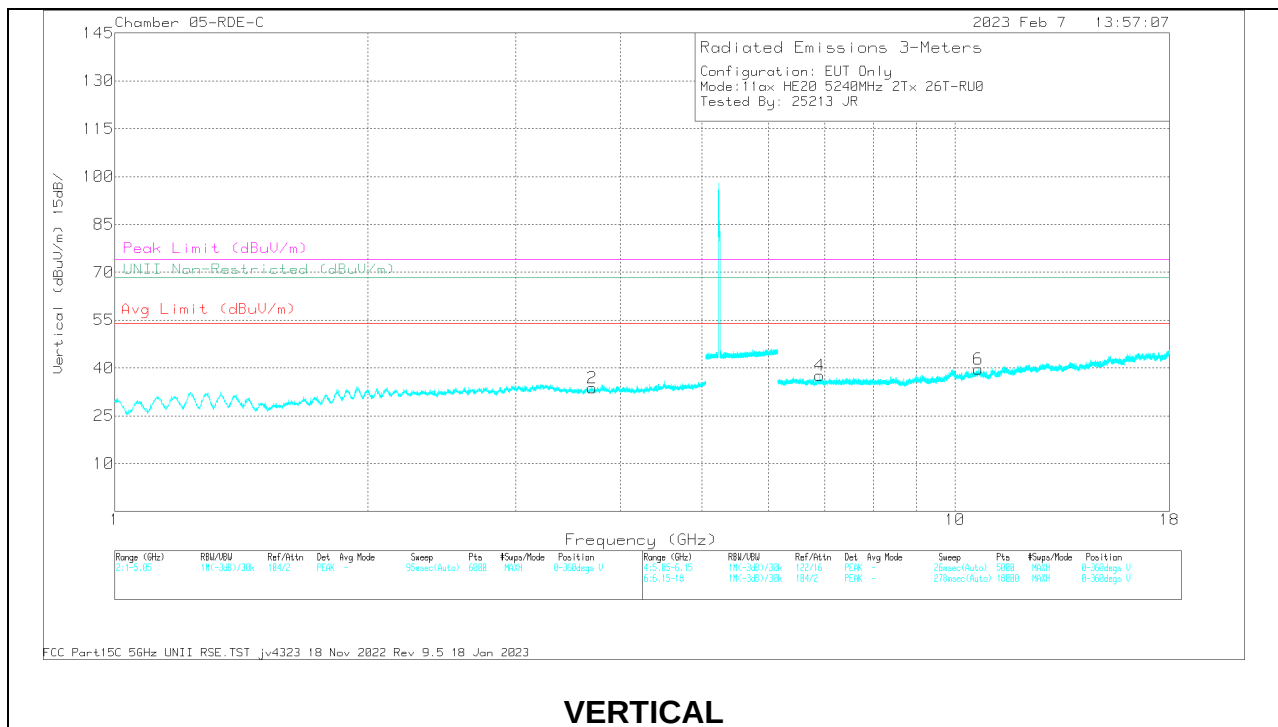
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (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	1.950246	62.01	PK-U	31.9	-50.36	43.55	-	-	-	-	68.2	-24.65	24	156	H
1	1.951934	62.13	PK-U	31.9	-50.31	43.72	-	-	-	-	68.2	-24.48	69	341	V
5	3.310106	58.59	PK-U	34	-48.06	44.53	-	-	-	-	68.2	-23.67	274	188	H
2	4.533734	58.78	PK-U	34.2	-48.38	44.6	-	-	74	-29.4	-	-	226	252	V
	4.533294	47.22	ADR	34.2	-48.37	33.05	54	-20.95	-	-	-	-	226	252	V
6	9.925077	58.69	PK-U	37.3	-47.34	48.65	-	-	-	-	68.2	-19.55	30	312	H
3	9.933611	59.09	PK-U	37.4	-47.22	49.27	-	-	-	-	68.2	-18.93	127	360	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS**HORIZONTAL****VERTICAL**

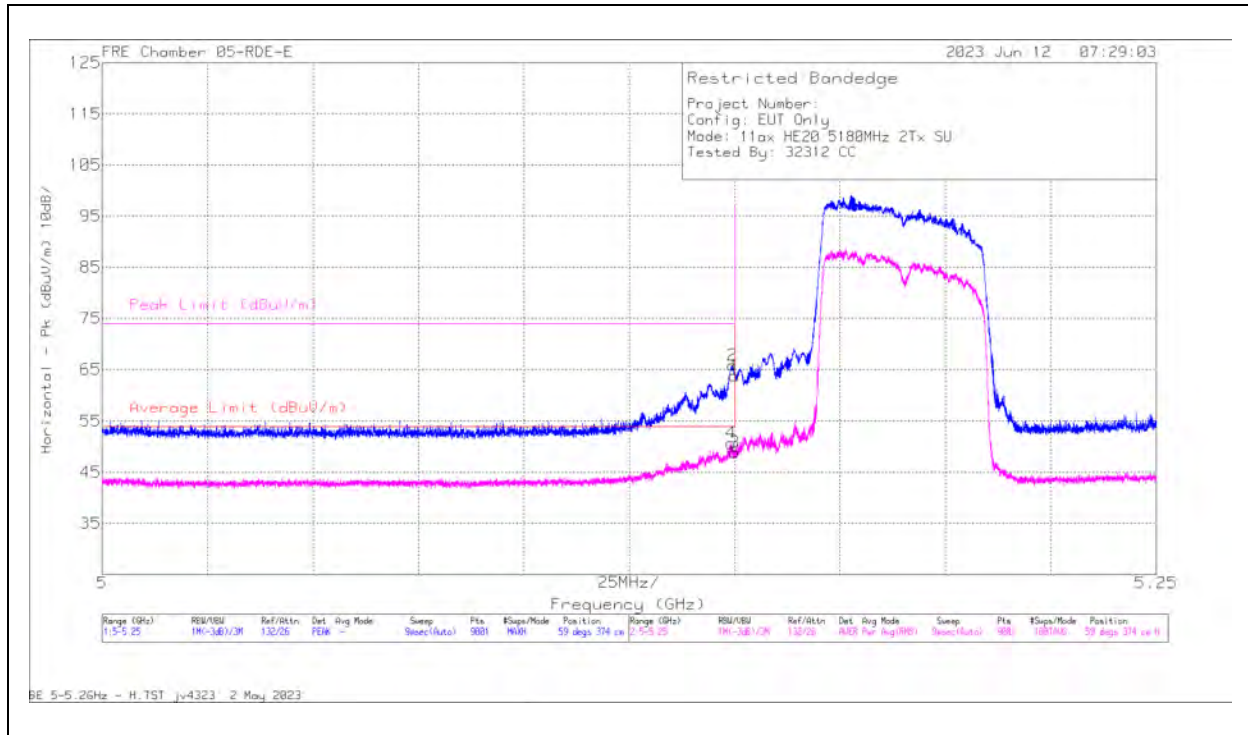
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (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
2	3.703593	57.84	PK-U	33.5	-47.93	43.41	-	-	74	-30.59	-	-	249	236	V
	3.703357	46.27	ADR	33.5	-47.92	31.85	54	-22.15	-	-	-	-	249	236	V
1	3.715789	58.04	PK-U	33.5	-47.93	43.61	-	-	74	-30.39	-	-	1	360	H
	3.713098	46.35	ADR	33.4	-47.89	31.86	54	-22.14	-	-	-	-	1	360	H
4	6.902217	57.41	PK-U	36	-46.46	46.95	-	-	-	-	68.2	-21.25	226	249	V
3	6.908822	56.87	PK-U	36	-46.45	46.42	-	-	-	-	68.2	-21.78	35	125	H
5	10.616199	59.08	PK-U	37.8	-46.69	50.19	-	-	74	-23.81	-	-	219	322	H
	10.614941	46.38	ADR	37.8	-46.69	37.49	54	-16.51	-	-	-	-	219	322	H
6	10.658298	57.94	PK-U	37.9	-46.46	49.38	-	-	74	-24.62	-	-	94	101	V
	10.658214	46.28	ADR	37.9	-46.45	37.73	54	-16.27	-	-	-	-	94	101	V

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

PK-U - U-NII: Maximum Peak

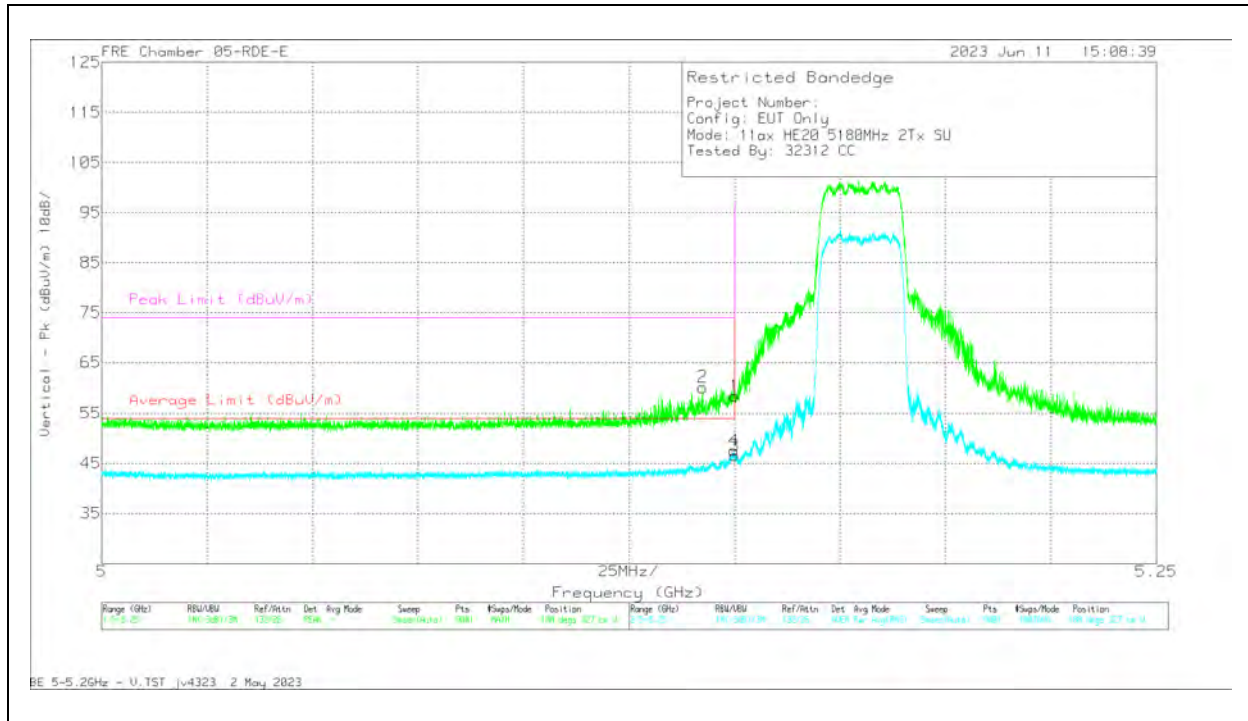
ADR - U-NII AD primary method, RMS average

2TX Antenna 6 + Antenna 5 OFDMA 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	68.24	Pk	34.3	0	-38.81	63.73	-	-	74	-10.27	59	374	H
2	5.149473	70.33	Pk	34.3	0	-38.81	65.82	-	-	74	-8.18	59	374	H
3	5.15	52.56	RMS	34.3	.60	-38.81	48.65	54	-5.35	-	-	59	374	H
4	5.149168	54.36	RMS	34.3	.60	-38.81	50.25	54	-3.75	-	-	59	374	H

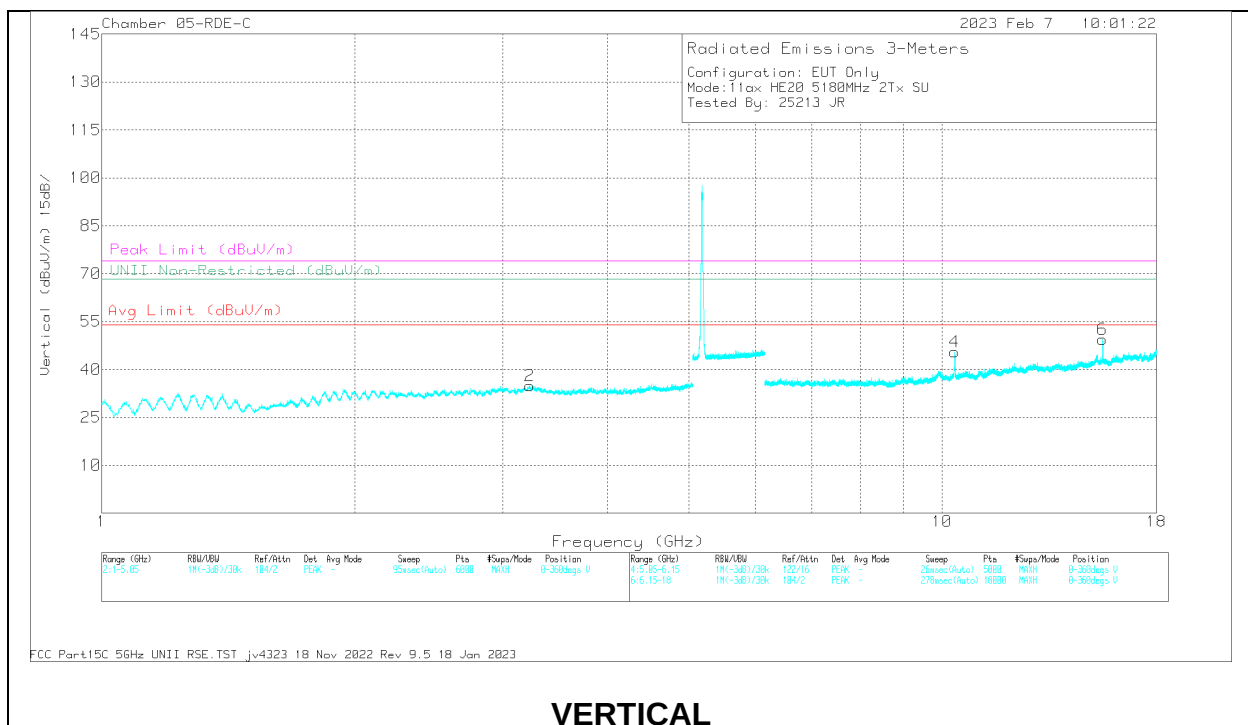
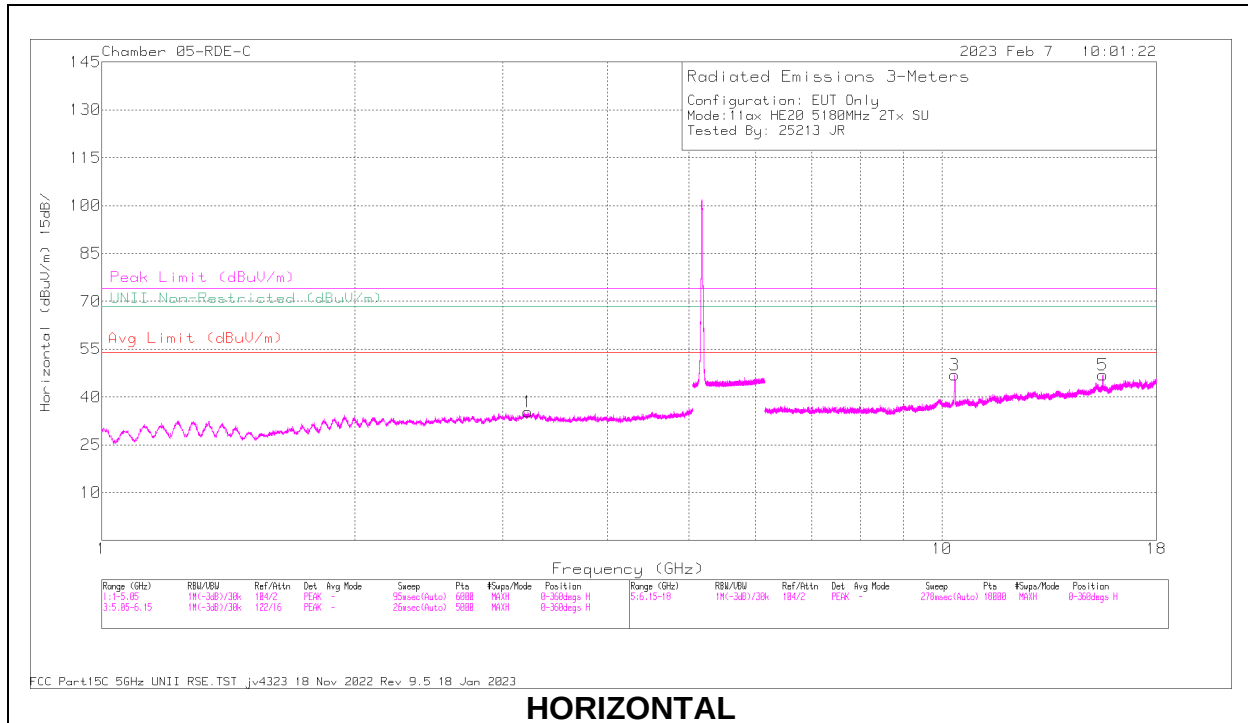
Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

Pk - Peak detector

RMS - RMS detection

1.2.9. 5.2GHz 11ax, HE20 SU 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

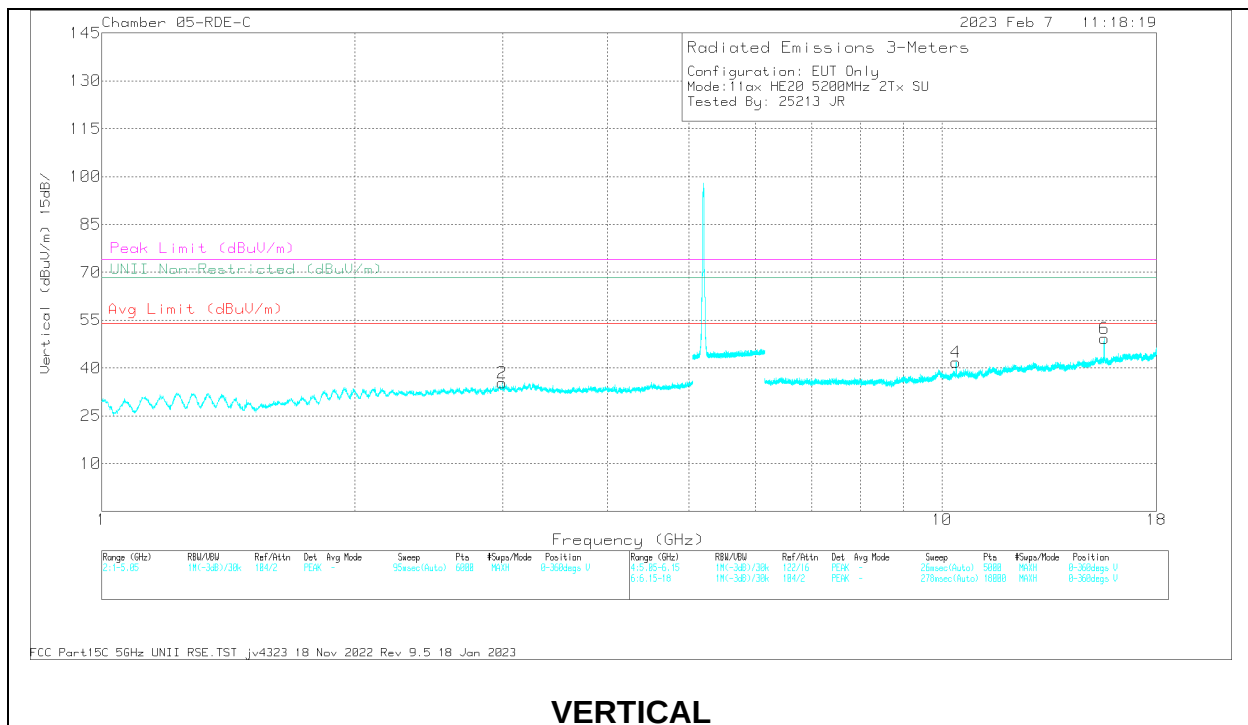
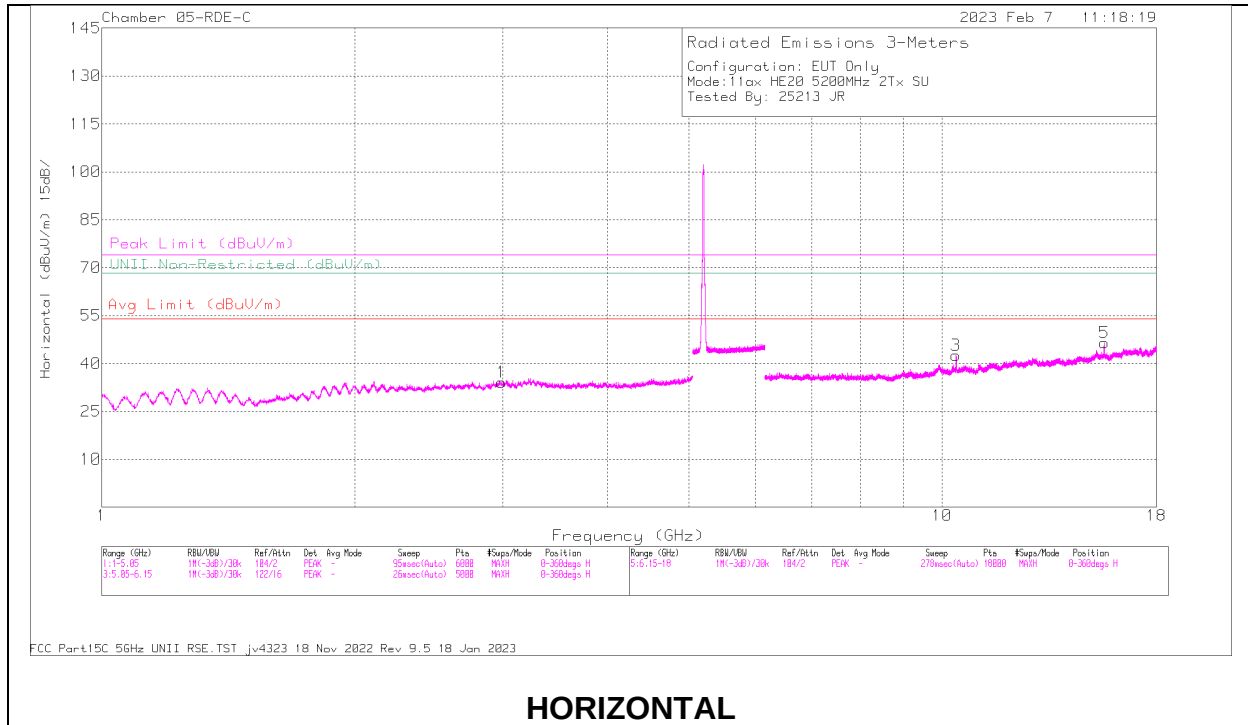
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.215688	59.07	PK-U	34.4	-48.6	44.87	-	-	-	-	68.2	-23.33	114	197	H
2	3.224344	59.03	PK-U	34.4	-48.52	44.91	-	-	-	-	68.2	-23.29	317	367	V
4	10.3585	67.2	PK-U	37.6	-47.25	57.55	-	-	-	-	68.2	-10.65	39	258	V
3	10.358927	65.59	PK-U	37.6	-47.26	55.93	-	-	-	-	68.2	-12.27	350	134	H
5	15.539989	63.08	PK-U	40.6	-44.24	59.44	-	-	74	-14.56	-	-	360	104	H
	15.538414	49.92	ADR	40.6	-44.24	46.28	54	-7.72	-	-	-	-	360	104	H
6	15.539674	67.35	PK-U	40.6	-44.24	63.71	-	-	74	-10.29	-	-	17	102	V
	15.538945	53.63	ADR	40.6	-44.23	50	54	-4	-	-	-	-	17	102	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

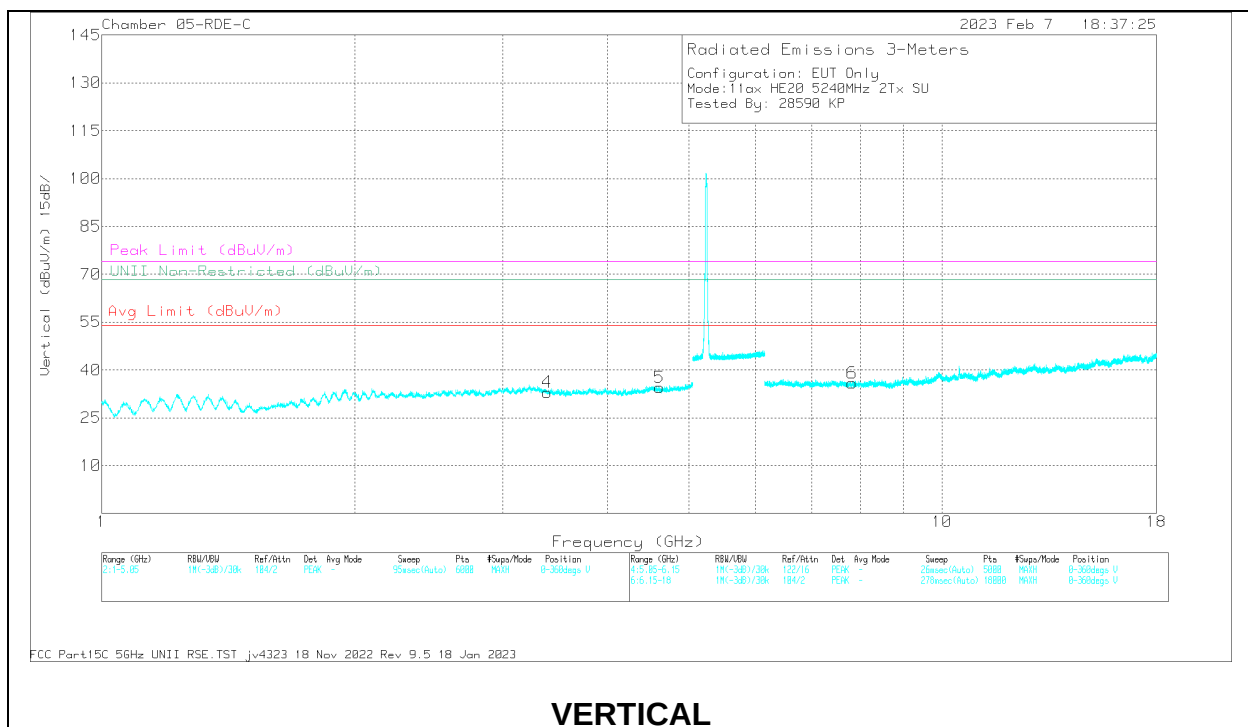
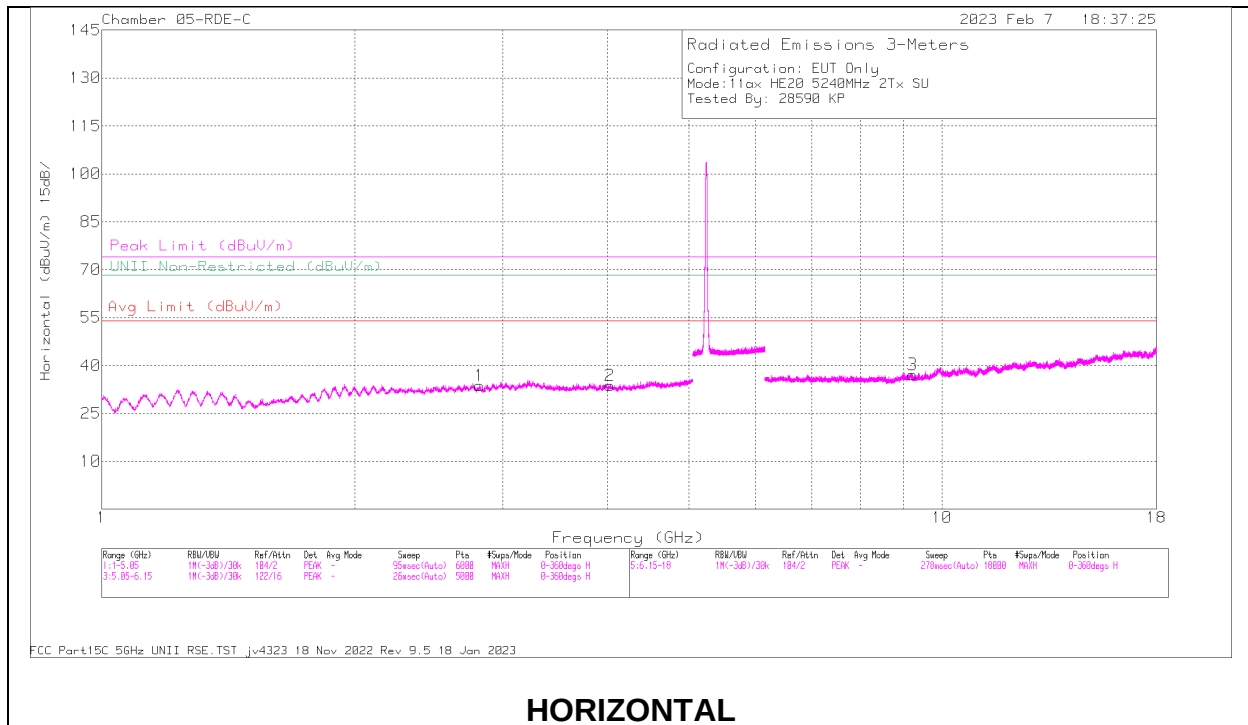
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.988631	60.02	PK-U	33.3	-49.05	44.27	-	-	-	-	68.2	-23.93	357	239	H
2	2.996928	59.9	PK-U	33.3	-48.93	44.27	-	-	-	-	68.2	-23.93	92	366	V
3	10.392731	62.8	PK-U	37.7	-47.12	53.38	-	-	-	-	68.2	-14.82	0	102	H
4	10.395285	63.58	PK-U	37.6	-47.1	54.08	-	-	-	-	68.2	-14.12	30	285	V
5	15.596393	61.2	PK-U	40.7	-44.72	57.18	-	-	74	-16.82	-	-	356	117	H
	15.597512	48.66	ADR	40.7	-44.73	44.63	54	-9.37	-	-	-	-	356	117	H
6	15.601325	66.04	PK-U	40.7	-44.75	61.99	-	-	74	-12.01	-	-	14	110	V
	15.599953	52.75	ADR	40.7	-44.75	48.7	54	-5.3	-	-	-	-	14	110	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



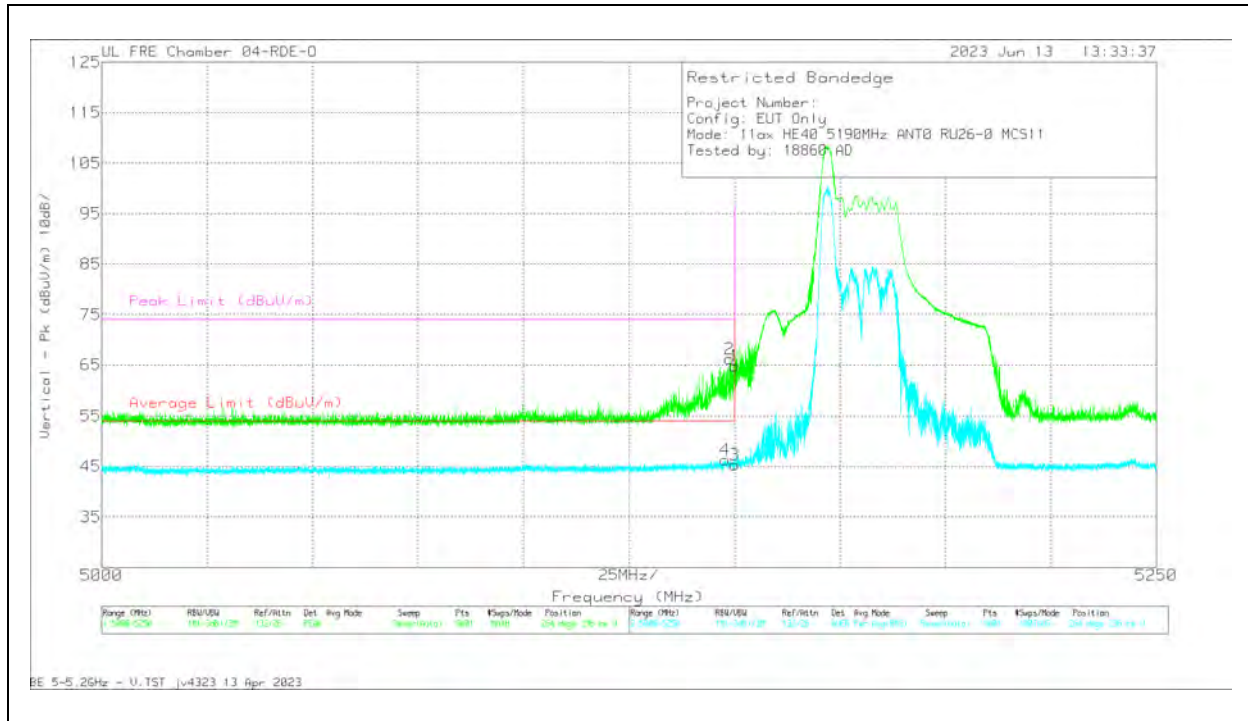
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (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
1	* 2.814753	59.79	PK-U	32.7	-49.37	43.12	-	-	74	-30.88	-	-	0	100	H
	* 2.815138	48.37	ADR	32.7	-49.37	31.7	54	-22.3	-	-	-	-	0	100	H
2	* 4.023437	58	PK-U	33.3	-47.79	43.51	-	-	74	-30.49	-	-	0	100	H
	* 4.022651	46.47	ADR	33.3	-47.81	31.96	54	-22.04	-	-	-	-	0	100	H
4	* 4.613214	58.74	PK-U	34.1	-48.2	44.64	-	-	74	-29.36	-	-	0	100	V
	* 4.612164	46.7	ADR	34.1	-48.21	32.59	54	-21.41	-	-	-	-	0	100	V
5	3.393291	57.64	PK-U	33.5	-48.03	43.11	-	-	-	-	68.2	-25.09	0	198	V
6	7.816737	57.85	PK-U	36	-47.36	46.49	-	-	-	-	68.2	-21.71	0	100	V
3	9.223375	56.42	PK-U	36.3	-45.69	47.03	-	-	-	-	68.2	-21.17	0	100	H

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

PK-U - U-NII: Maximum Peak

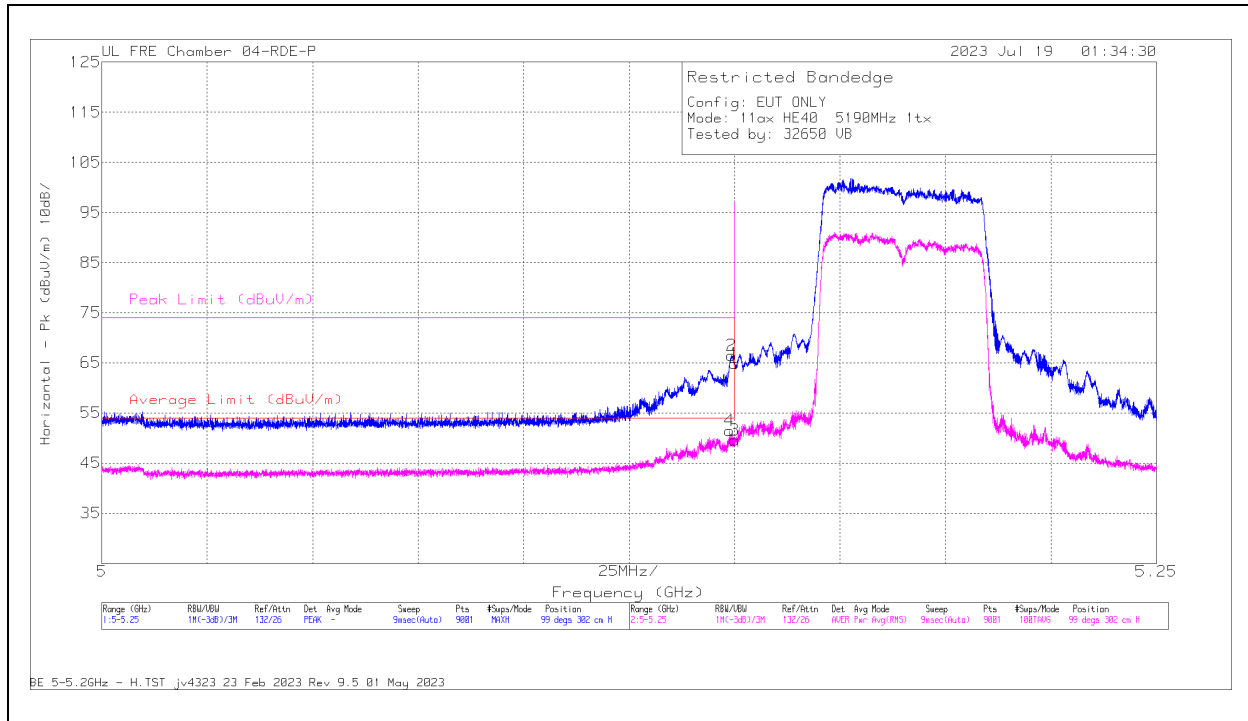
ADR - U-NII AD primary method, RMS average

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
4	5147.835	47.11	RMS	34.4	.50	-35.76	46.25	54	-7.75	-	-	264	296	V
2	5148.89	67.44	Pk	34.5	0	-35.78	66.16	-	-	74	-7.84	264	296	V
1	5150	66.23	Pk	34.4	0	-35.79	64.84	-	-	74	-9.16	264	296	V
3	5150	46.21	RMS	34.4	.50	-35.79	45.32	54	-8.68	-	-	264	296	V

Pk - Peak detector

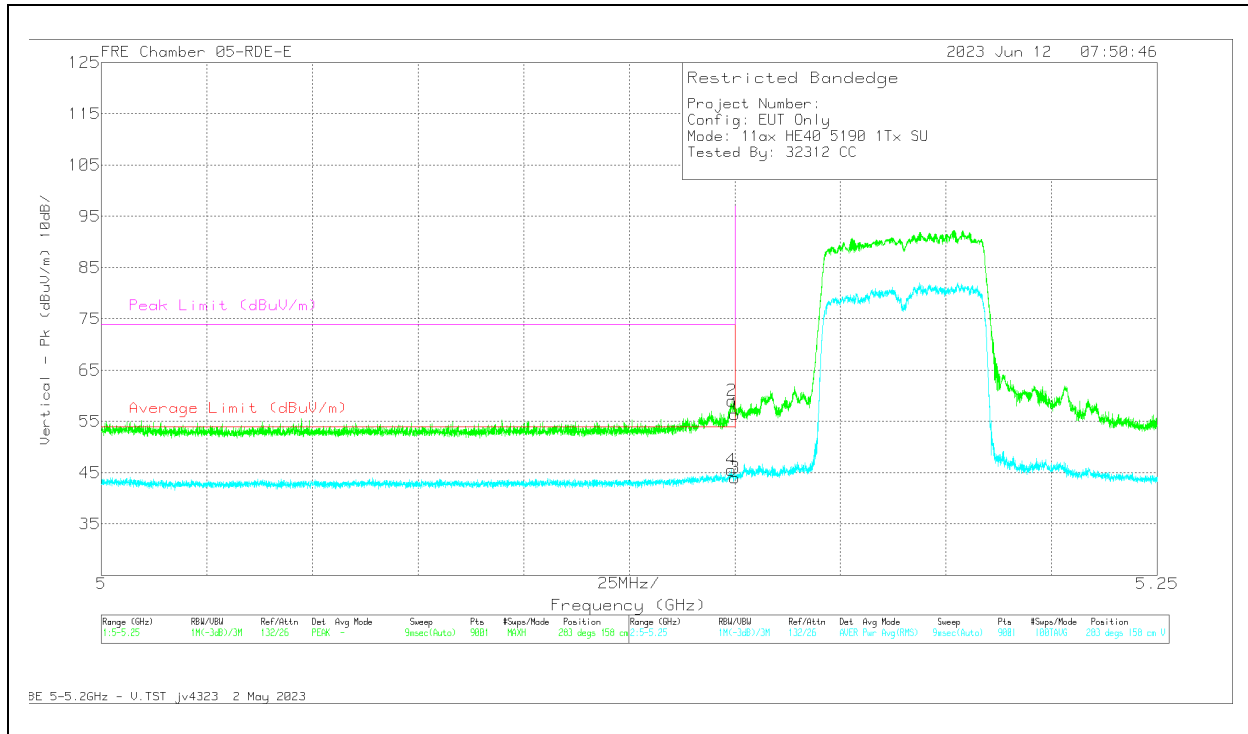
RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	69.26	Pk	34.1	0	-38.51	64.85	-	-	74	-9.15	99	302	H
2	5.149335	70.89	Pk	34.1	0	-38.52	66.47	-	-	74	-7.53	99	302	H
3	5.15	53.18	RMS	34.1	.85	-38.51	49.62	54	-4.38	-	-	99	302	H
4	5.14889	55.02	RMS	34.1	.85	-38.54	51.43	54	-2.57	-	-	99	302	H

Pk - Peak detector

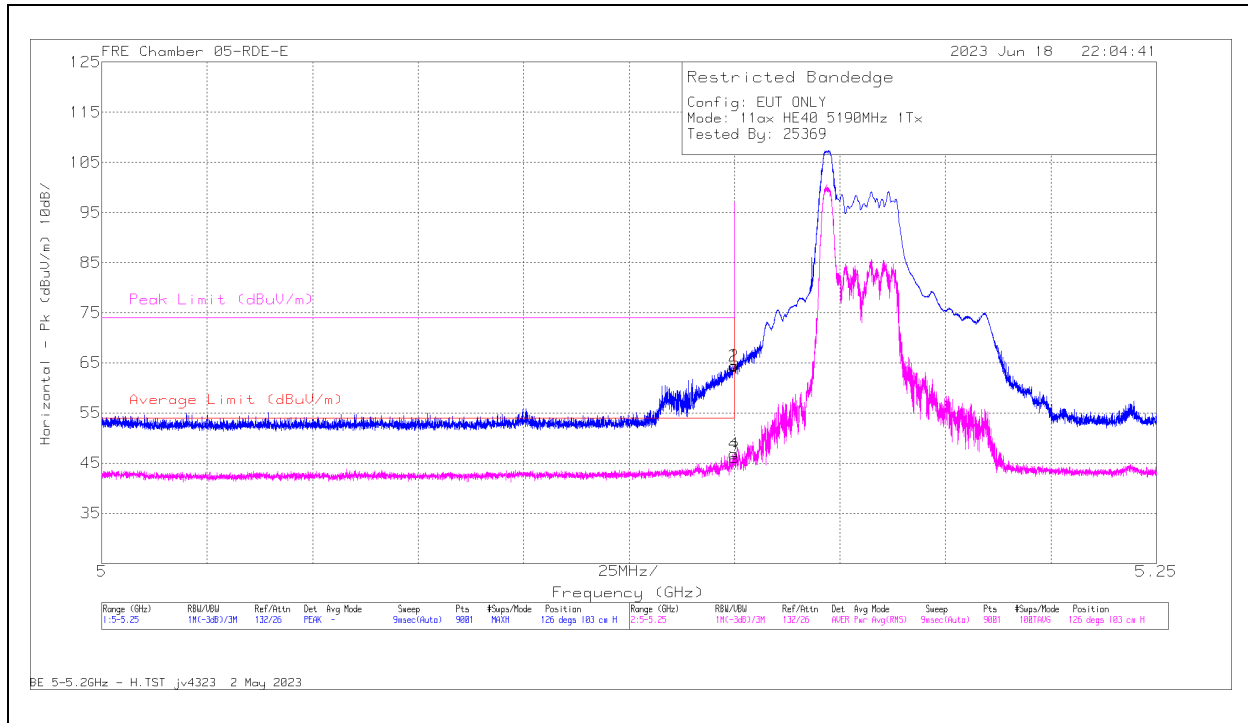
RMS - RMS detection

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
4	5.149196	49.2	RMS	34.3	.85	-38.81	45.54	54	-8.46	-	-	283	158	V
2	5.149335	63.54	Pk	34.3	0	-38.81	59.03	-	-	74	-14.97	283	158	V
1	5.15	60.94	Pk	34.3	0	-38.81	56.43	-	-	74	-17.57	283	158	V
3	5.15	47.63	RMS	34.3	.85	-38.81	43.97	54	-10.03	-	-	283	158	V

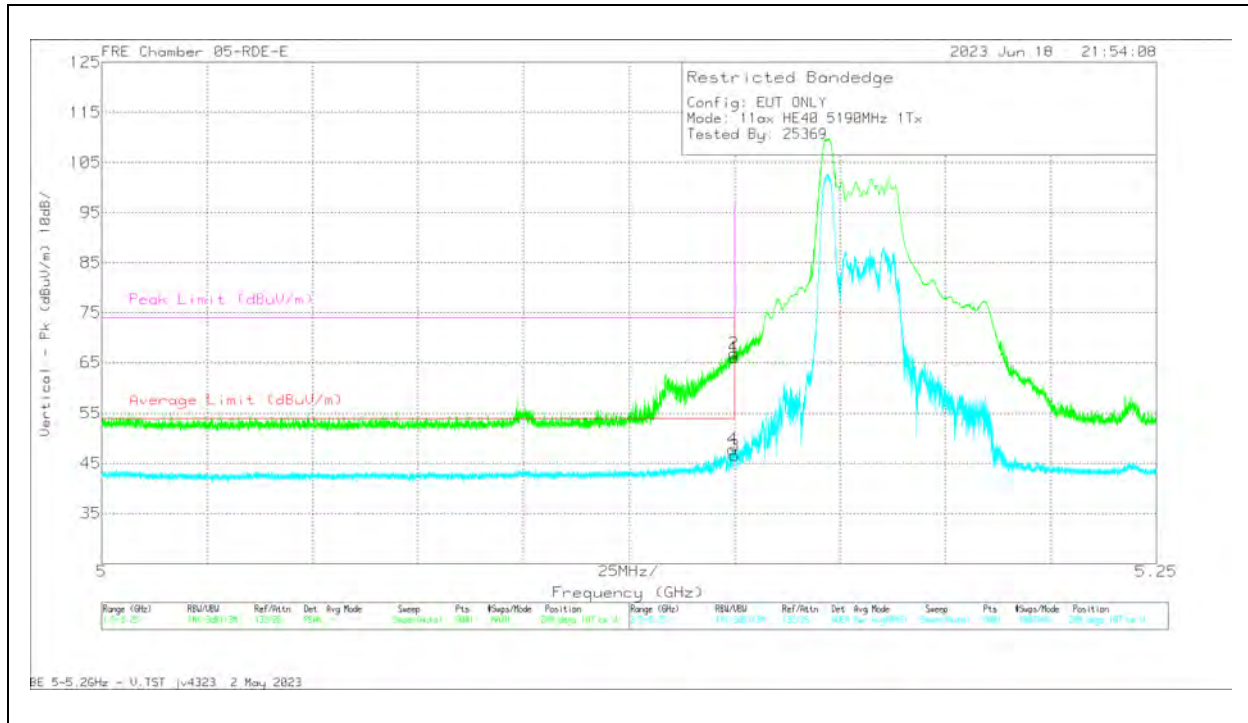
Pk - Peak detector

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
4	5.14989	50.89	RMS	34.3	.5	-38.81	46.88	54	-7.12	-	-	126	103	H
2	5.149918	68.86	Pk	34.3	0	-38.81	64.35	-	-	74	-9.65	126	103	H
1	5.15	69.01	Pk	34.3	0	-38.81	64.5	-	-	74	-9.5	126	103	H
3	5.15	50.05	RMS	34.3	5	-38.81	46.04	54	-7.96	-	-	126	103	H

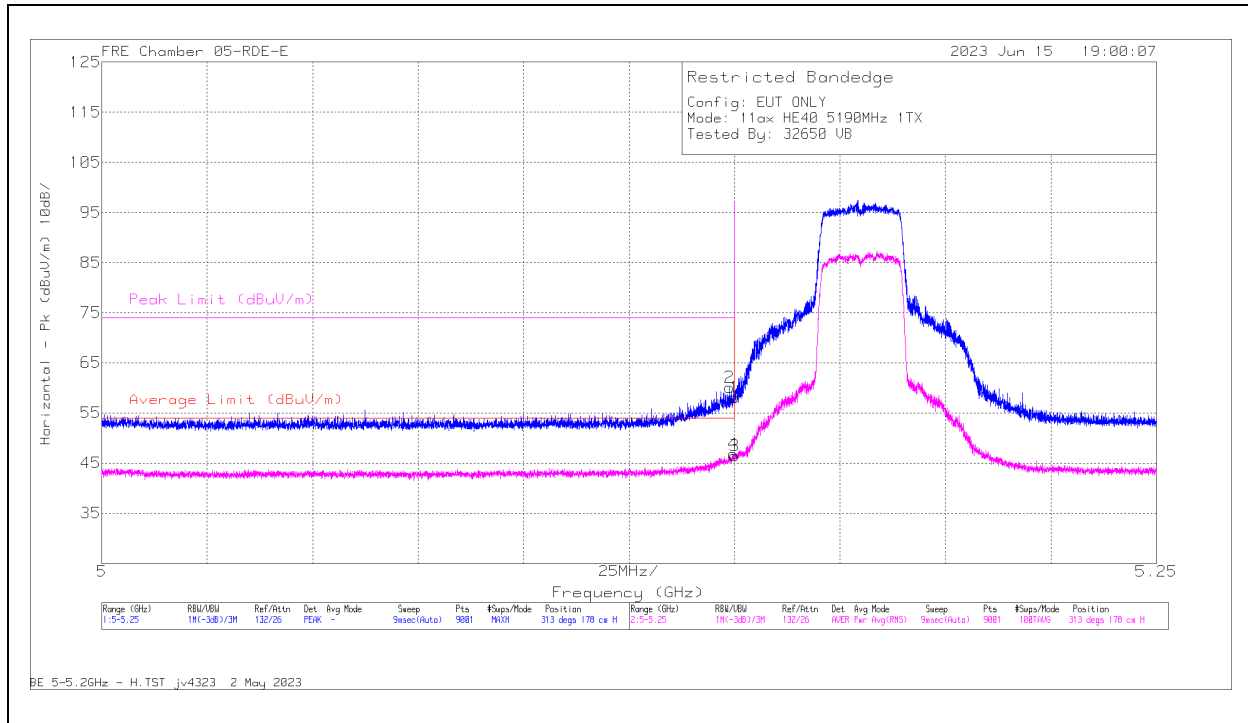
Pk - Peak detector
RMS - RMS detection

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
4	5.14964	51.81	RMS	34.3	.5	-38.81	47.8	54	-6.2	-	-	209	107	V
2	5.149862	71.34	Pk	34.3	0	-38.81	66.83	-	-	74	-7.17	209	107	V
1	5.15	70.49	Pk	34.3	0	-38.81	65.98	-	-	74	-8.02	209	107	V
3	5.15	50.57	RMS	34.3	.5	-38.81	46.56	54	-7.44	-	-	209	107	V

Pk - Peak detector

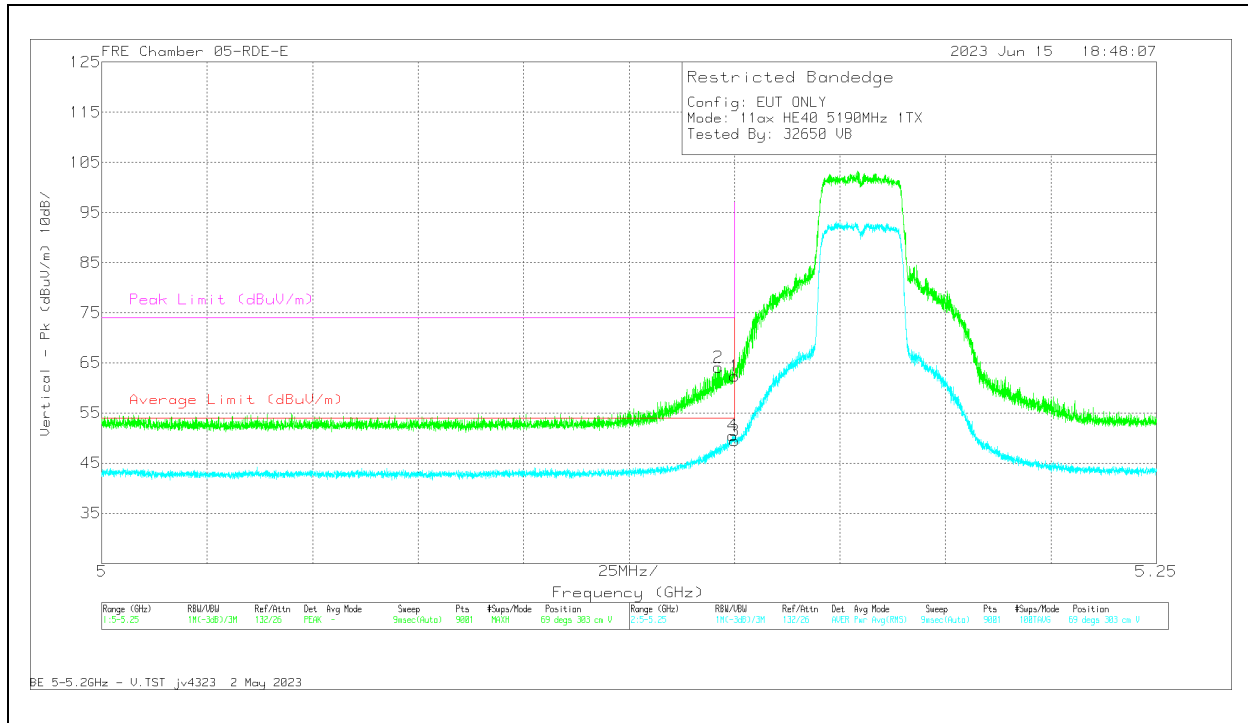
RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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
2	5.148862	64.62	Pk	34.3	0	-38.81	60.11	-	-	74	-13.89	313	178	H
4	5.149723	50.45	RMS	34.3	.85	-38.81	46.81	54	-7.19	-	-	313	178	H
1	5.15	62.64	Pk	34.3	0	-38.81	58.13	-	-	74	-15.87	313	178	H
3	5.15	50.12	RMS	34.3	.85	-38.81	46.46	54	-7.54	-	-	313	178	H

Pk - Peak detector

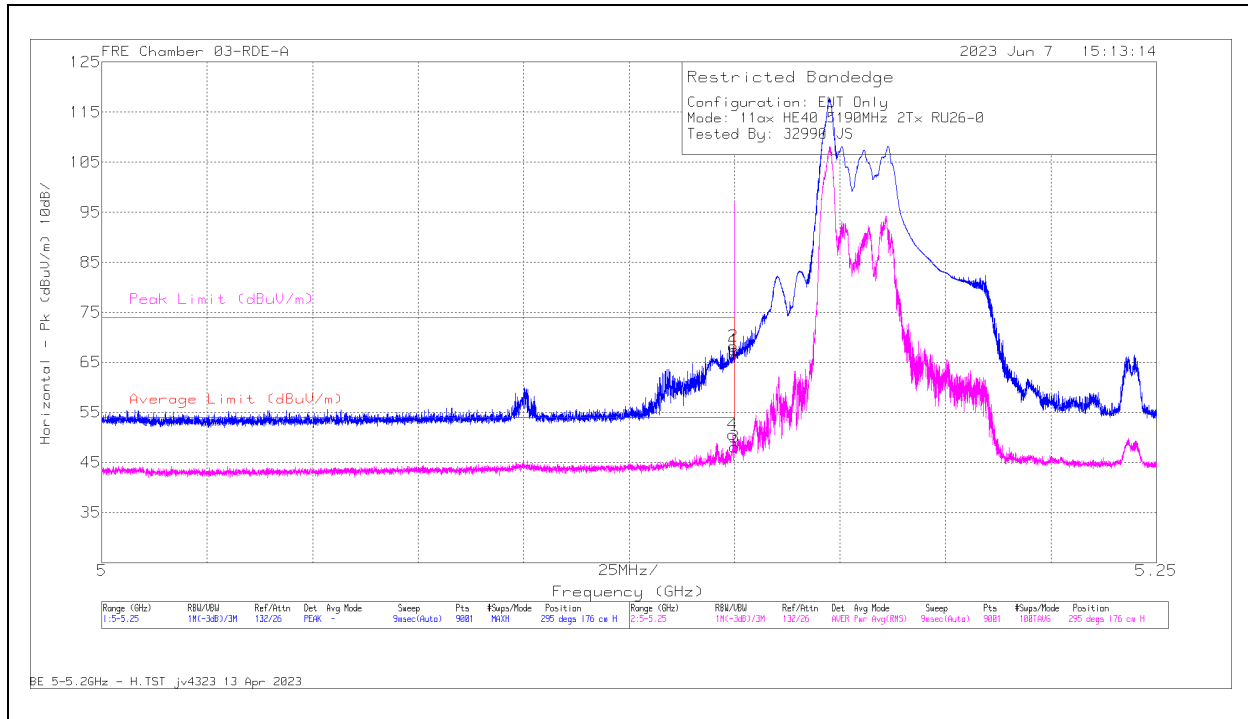
RMS - RMS detection

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
2	5.14614	68.69	Pk	34.3	0	-38.88	64.11	-	-	74	-9.89	69	303	V
4	5.149585	54.18	RMS	34.3	.85	-38.81	50.52	54	-3.48	-	-	69	303	V
1	5.15	66.89	Pk	34.3	0	-38.81	62.38	-	-	74	-11.62	69	303	V
3	5.15	53.1	RMS	34.3	.85	-38.81	49.44	54	-4.56	-	-	69	303	V

Pk - Peak detector

RMS - RMS detection

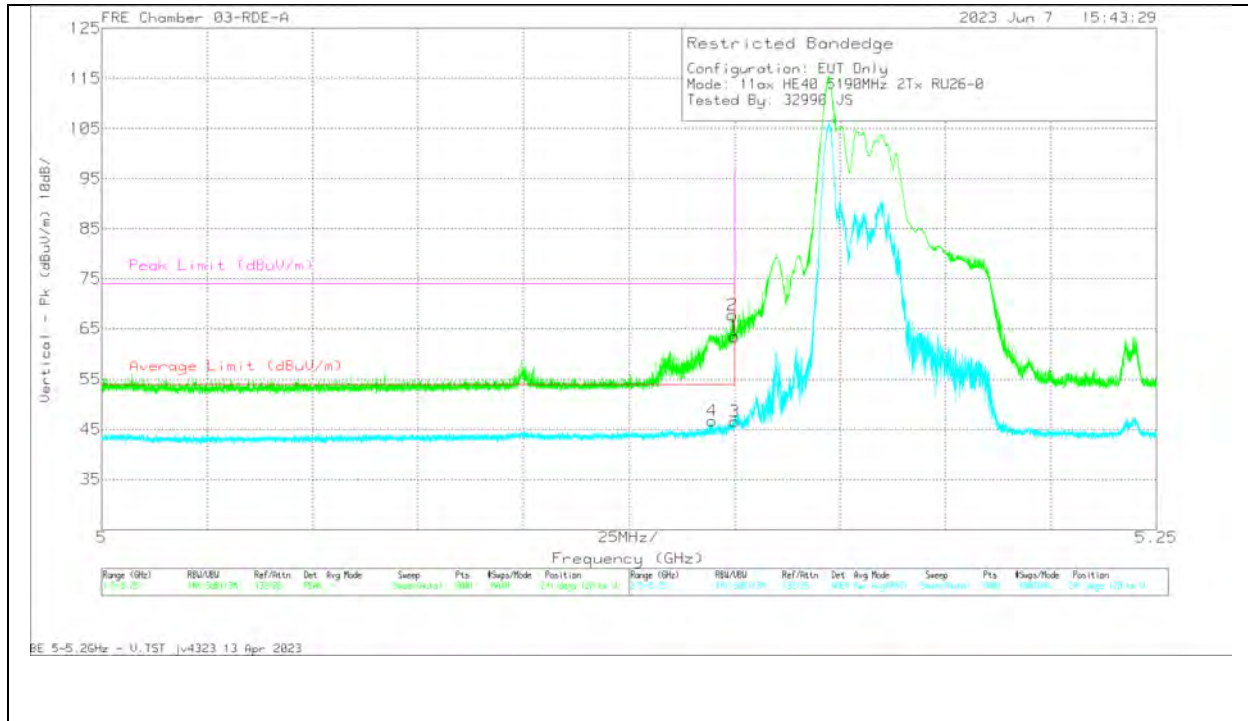
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	71.61	Pk	34.6	0	-38.69	67.52	-	-	74	-6.48	295	176	H
2	* 5.149696	72.31	Pk	34.6	0	-38.7	68.21	-	-	74	-5.79	295	176	H
3	* 5.15	51.63	RMS	34.6	.50	-38.69	48.04	54	-5.96	-	-	295	176	H
4	* 5.14964	54.16	RMS	34.6	.50	-38.7	50.56	54	-3.44	-	-	295	176	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	67.52	Pk	34.6	0	-38.69	63.43	-	-	74	-10.57	241	120	V
2	* 5.149501	71.85	Pk	34.6	0	-38.7	67.75	-	-	74	-6.25	241	120	V
3	* 5.15	50.09	RMS	34.6	.50	-38.69	46.50	54	-7.50	-	-	241	120	V
4	* 5.144612	50.38	RMS	34.6	.50	-38.79	46.69	54	-7.31	-	-	241	120	V

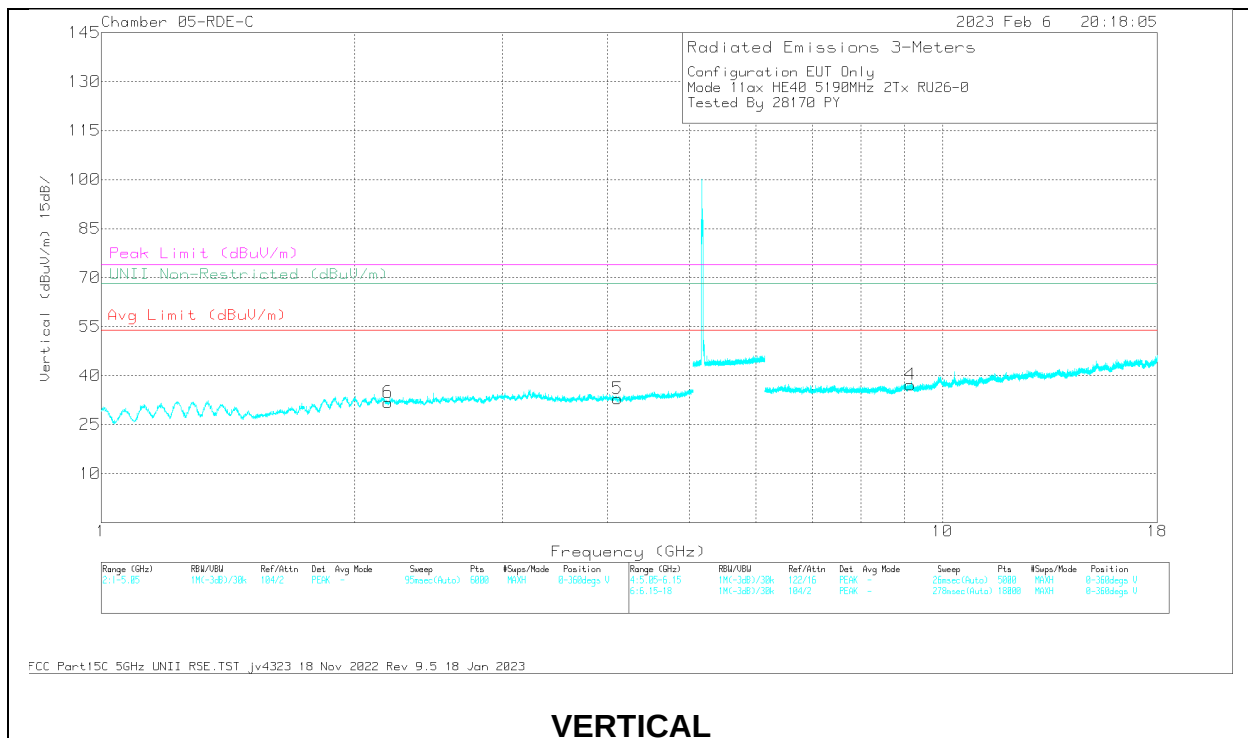
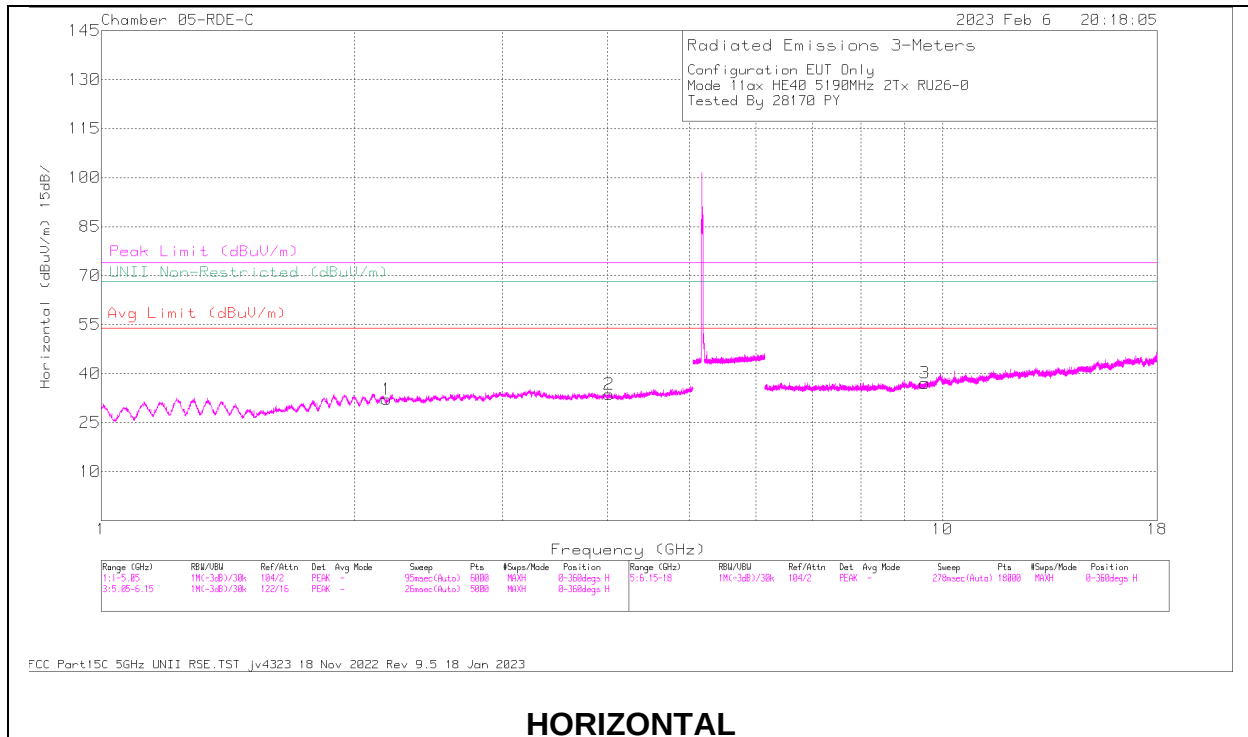
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

1.2.11. 5.2GHz 11ax, HE40 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



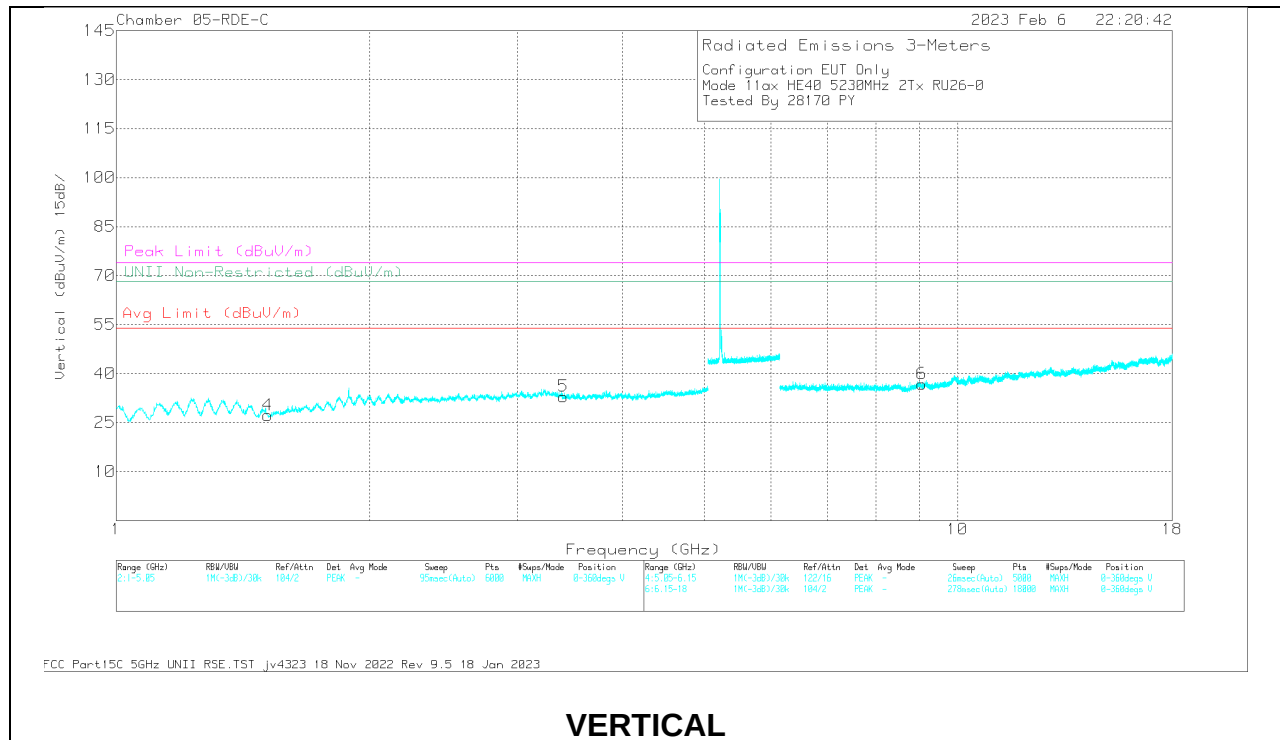
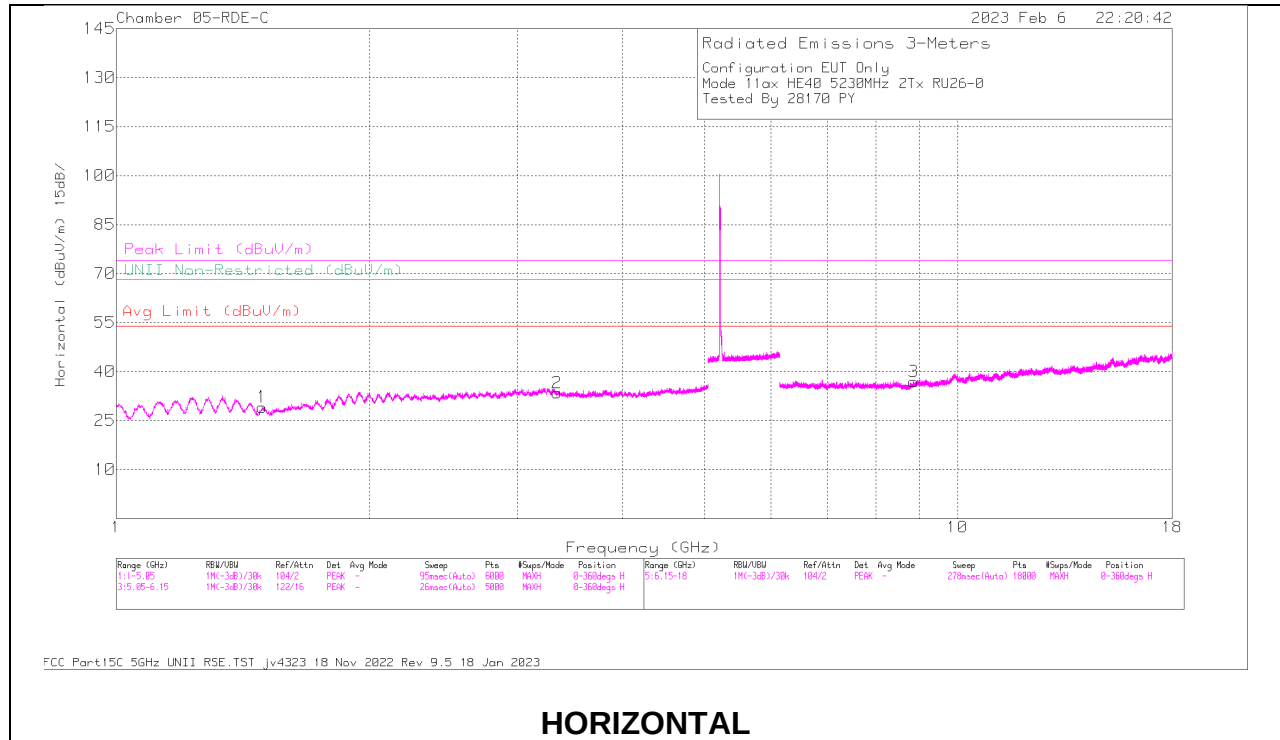
RADIATED EMISSIONS

	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (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
2	* 4.013706	58.37	PK-U	33.3	-47.82	43.85	-	-	74	-30.15	-	-	1	198	H
	* 4.015943	46.47	ADR	33.3	-47.84	31.93	54	-22.07	-	-	-	-	1	198	H
5	* 4.106711	57.17	PK-U	33.4	-47.53	43.04	-	-	74	-30.96	-	-	1	198	V
	* 4.108159	45.59	ADR	33.4	-47.52	31.47	54	-22.53	-	-	-	-	1	198	V
4	* 9.156715	56.46	PK-U	36.3	-46	46.76	-	-	74	-27.24	-	-	1	100	V
	* 9.159478	44.95	ADR	36.3	-45.94	35.31	54	-18.69	-	-	-	-	1	100	V
1	2.183605	60.96	PK-U	31.5	-50.41	42.05	-	-	-	-	68.2	-26.15	1	198	H
6	2.193477	60.79	PK-U	31.6	-50.42	41.97	-	-	-	-	68.2	-26.23	1	198	V
3	9.525549	56.67	PK-U	36.8	-46.82	46.65	-	-	-	-	68.2	-21.55	1	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

HIGH CHANNEL RESULTS

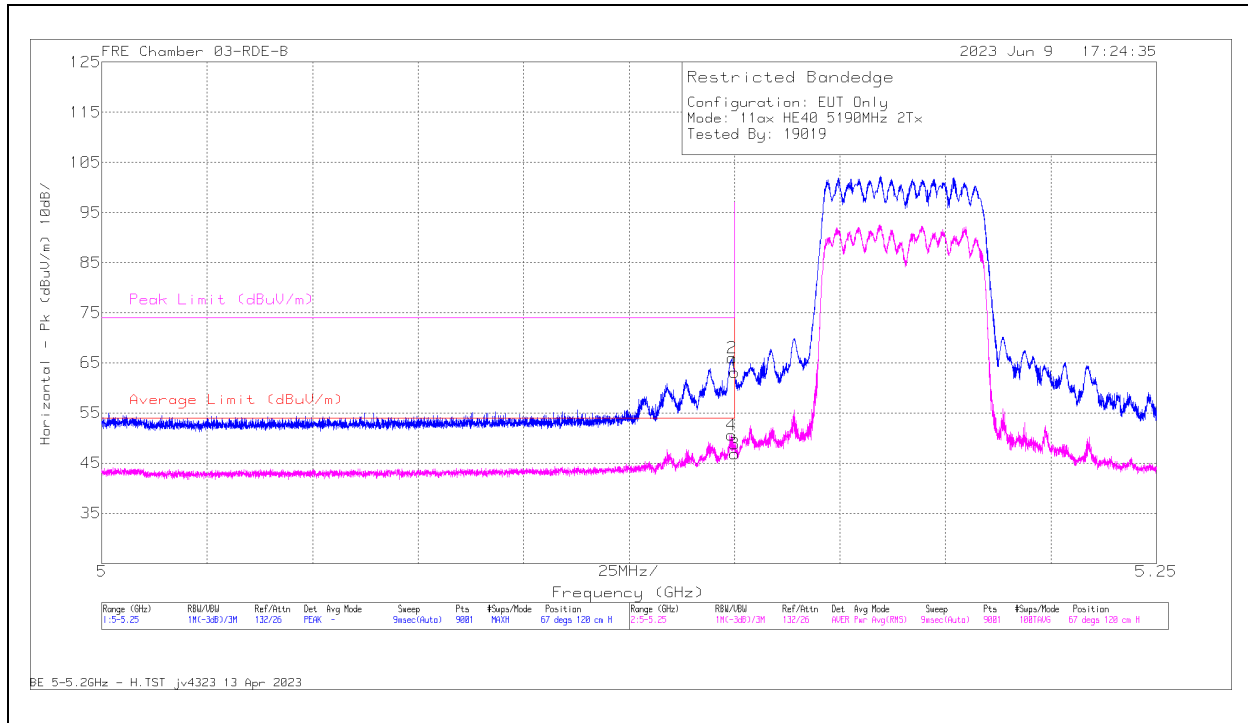
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	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
1	* 1.490765	61.13	PK-U	27.9	0	-50.24	38.79	-	-	74	-35.21	-	-	360	100	H
	* 1.490612	49.69	ADR	27.9	0	-50.24	27.25	54	-26.75	-	-	-	-	360	100	H
4	* 1.515567	60.43	PK-U	27.8	0	-50.2	38.03	-	-	74	-35.97	-	-	360	100	V
	* 1.512144	48.85	ADR	27.8	0	-50.17	26.48	54	-27.52	-	-	-	-	360	100	V
6	* 9.066768	56.34	PK-U	36.2	0	-45.83	46.71	-	-	74	-27.29	-	-	360	198	V
	* 9.068728	44.82	ADR	36.2	0	-45.84	34.66	54	-19.34	-	-	-	-	360	198	V
3	3.343271	57.89	PK-U	33.8	0	-48.16	43.53	-	-	-	-	68.2	-24.67	360	199	H
5	3.40035	58.35	PK-U	33.4	0	-48.07	43.68	-	-	-	-	68.2	-24.52	360	199	V
2	8.872483	55.16	PK-U	36.1	0	-45.31	45.95	-	-	-	-	68.2	-22.25	360	100	H

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

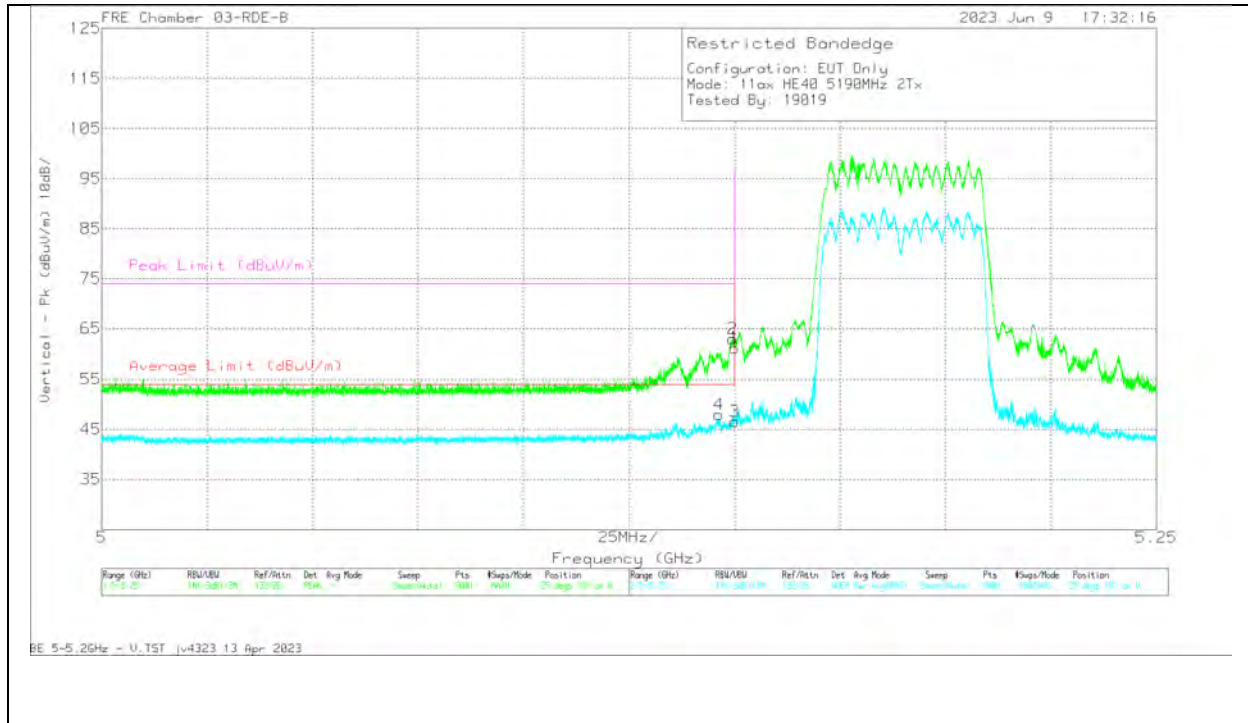
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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)	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	68.66	Pk	34.3	0	-39.9	63.06	-	-	74	-10.94	67	120	H
2	* 5.149362	71.62	Pk	34.3	0	-39.9	66.02	-	-	74	-7.98	67	120	H
3	* 5.15	51.55	RMS	34.3	.85	-39.9	46.80	54	-7.20	-	-	67	120	H
4	* 5.149223	55.26	RMS	34.3	.85	-39.9	50.51	54	-3.49	-	-	67	120	H

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

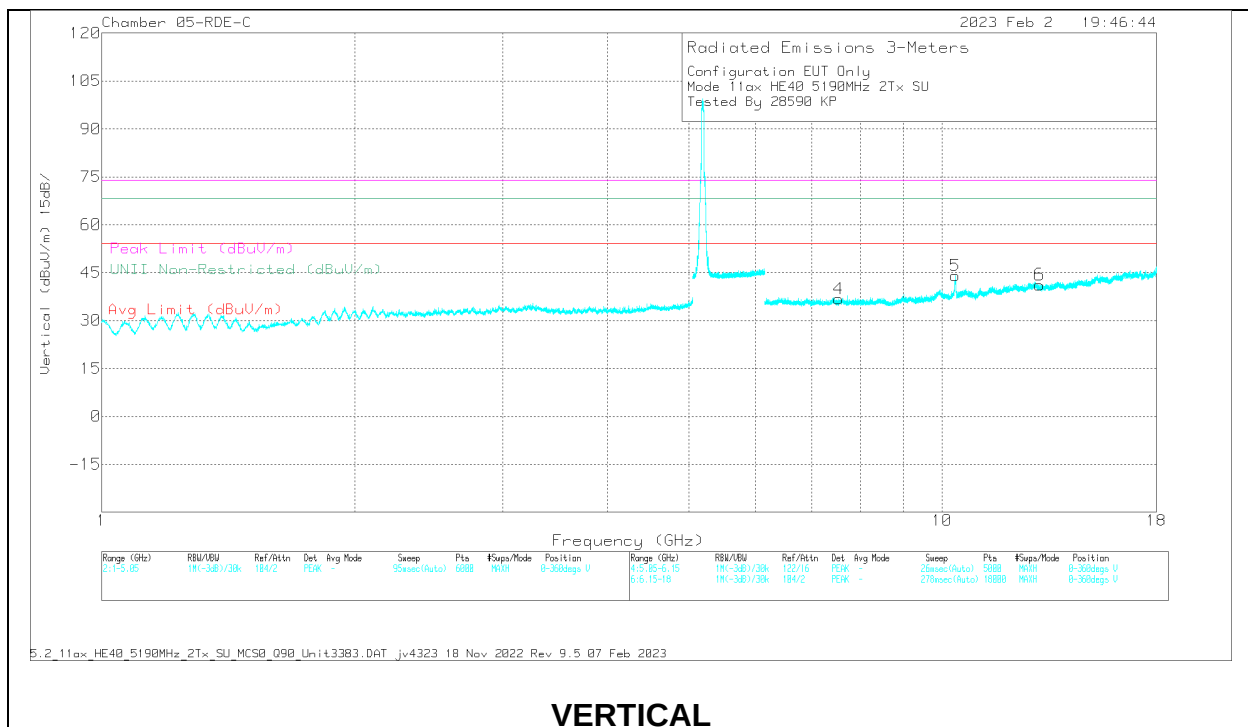
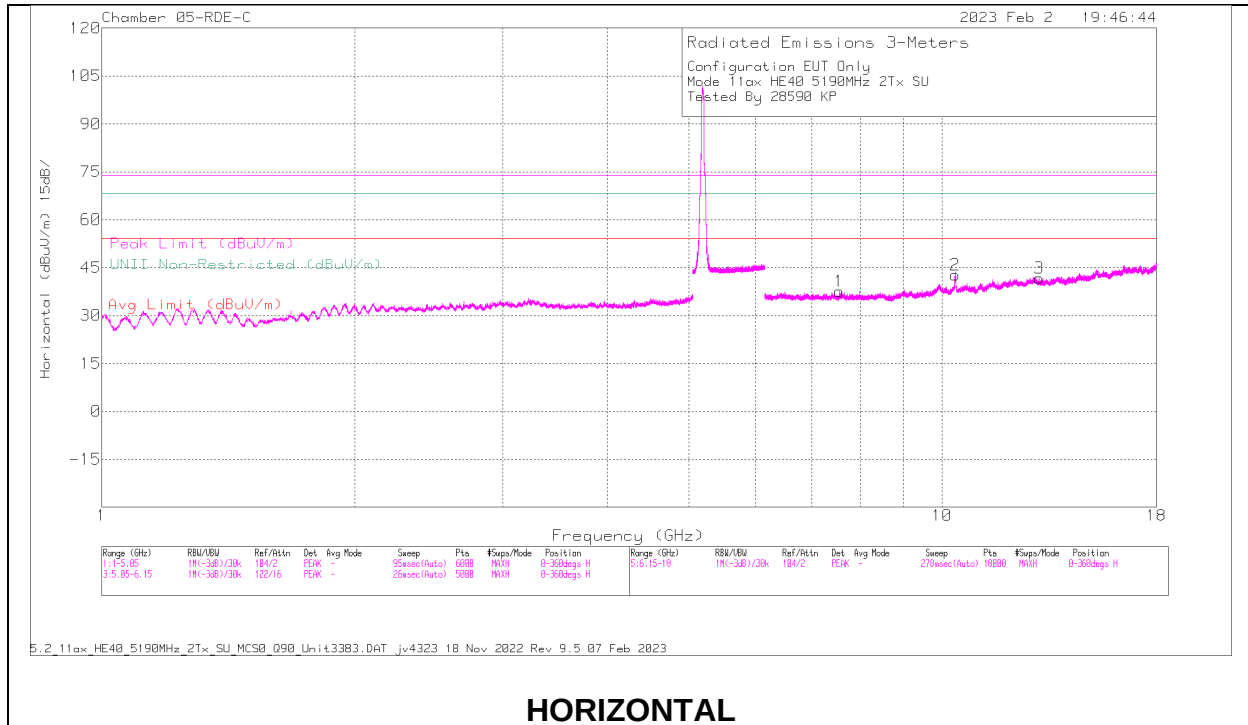
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	66.87	Pk	34.3	0	-39.9	61.27	-	-	74	-12.73	25	151	V
2	* 5.149557	68.58	Pk	34.3	0	-39.9	62.98	-	-	74	-11.02	25	151	V
3	* 5.15	51.28	RMS	34.3	.85	-39.9	46.53	54	-7.47	-	-	25	151	V
4	* 5.146251	52.78	RMS	34.3	.85	-39.97	47.98	54	-6.02	-	-	25	151	V

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

Pk - Peak detector

RMS - RMS detection

1.2.12. 5.2GHz, 11ax, HE40 SU 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

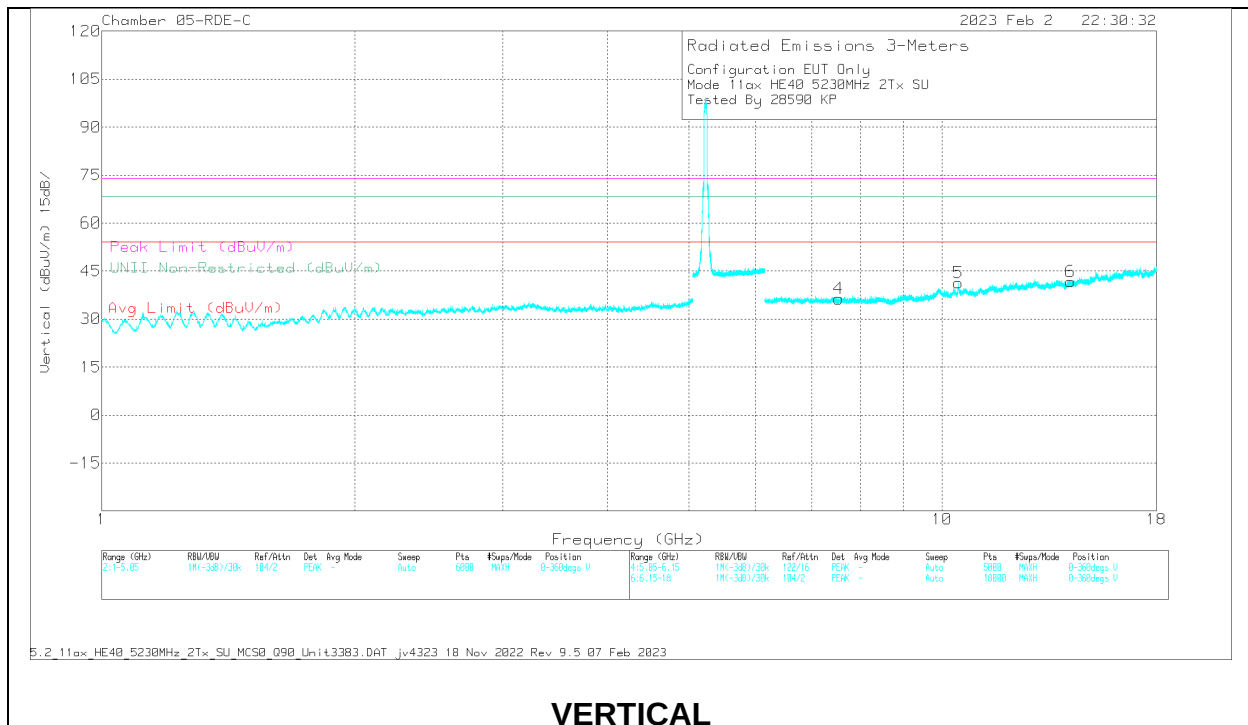
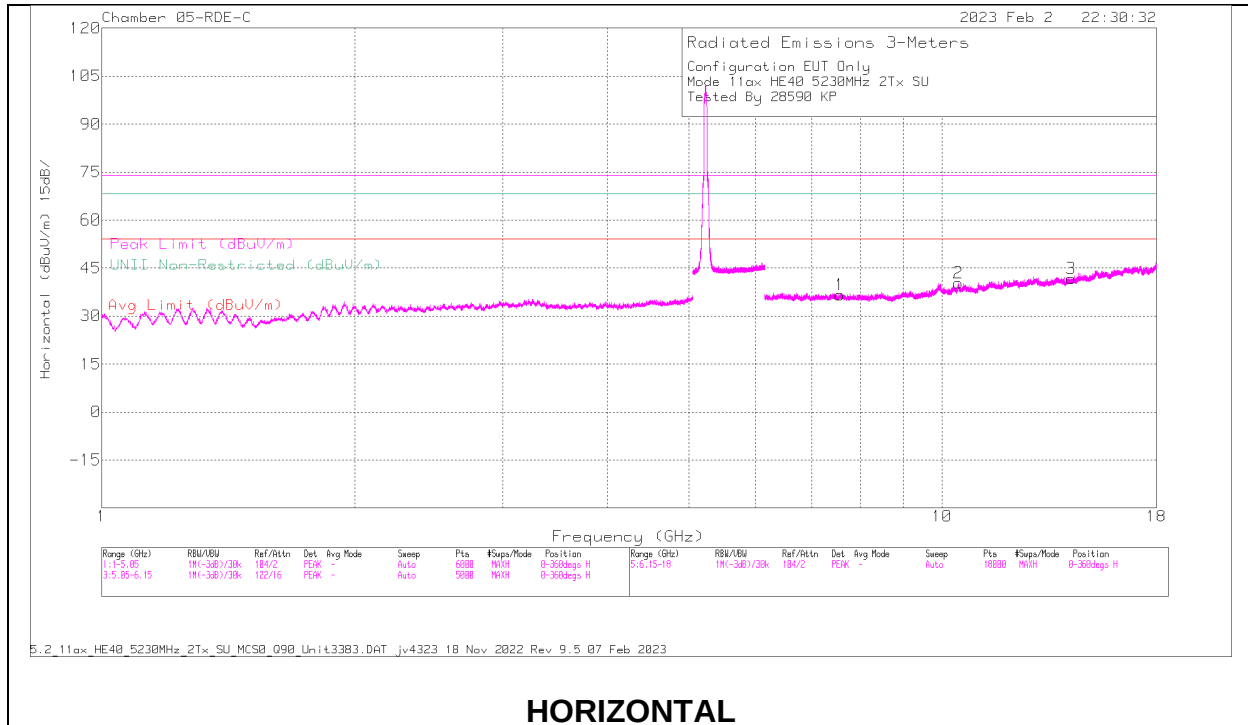
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Gain/Loss (dB)	DCCF (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	* 7.551326	57.56	PK-U	36	-47.03		46.53	-	-	74	-27.47	-	-	1	100	H
	* 7.551356	45.85	ADR	36	-47.03	0.12	34.94	54	-19.06	-	-	-	-	1	100	H
4	* 7.541779	58.27	PK-U	36	-47.2		47.07	-	-	74	-26.93	-	-	26	199	V
	* 7.541908	45.89	ADR	36	-47.19	0.12	34.82	54	-19.18	-	-	-	-	26	199	V
2	10.369923	58.09	PK-U	37.6	-47.26		48.43	-	-	-	-	68.2	-19.77	1	100	H
5	10.372781	59.27	PK-U	37.6	-47.26		49.61	-	-	-	-	68.2	-18.59	26	199	V
3	13.06123	56.29	PK-U	39.3	-45.05		50.54	-	-	-	-	68.2	-17.66	26	190	H
6	13.070477	56.06	PK-U	39.3	-45.07		50.29	-	-	-	-	68.2	-17.91	237	329	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

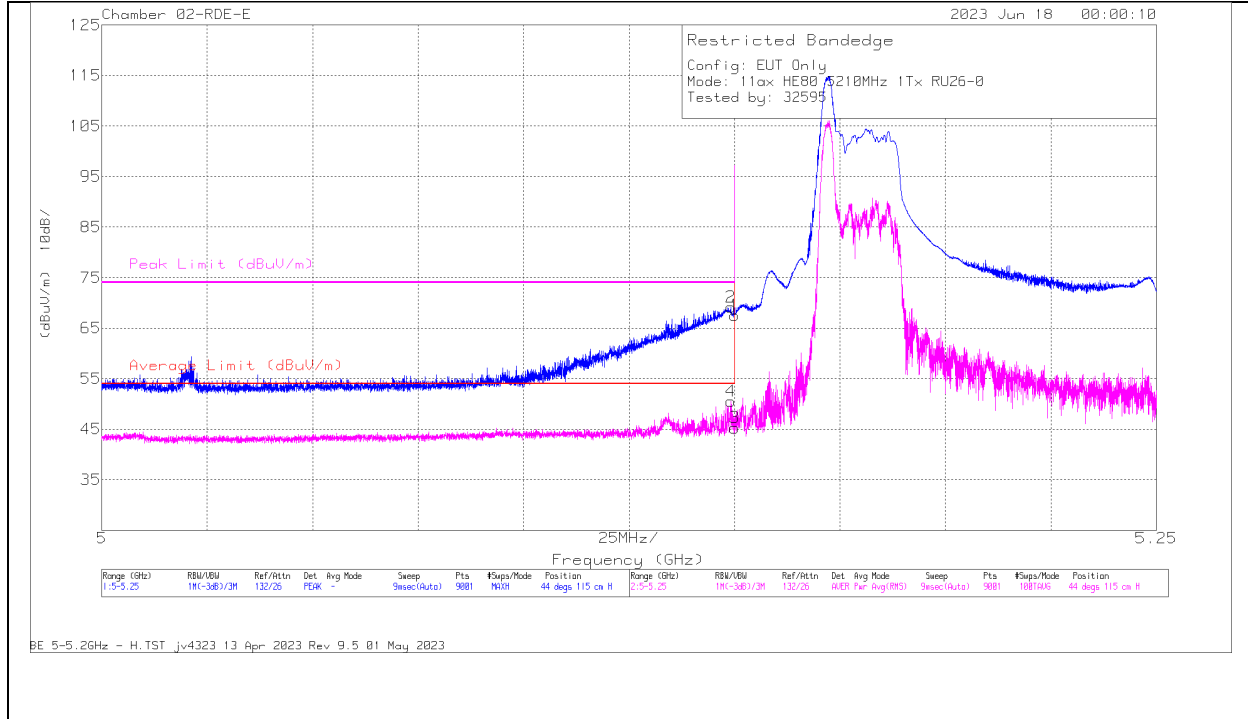
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Gain/Loss (dB)	DCCF (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	* 7.556587	57.33	PK-U	35.9	-46.98		46.25	-	-	74	-27.75	-	-	237	100	H
	* 7.555757	46.15	ADR	35.9	-47	0.12	35.17	54	-18.83	-	-	-	-	237	100	H
4	* 7.539089	57.61	PK-U	36	-47.3		46.31	-	-	74	-27.69	-	-	237	100	V
	* 7.535539	45.85	ADR	36	-47.28	0.12	34.69	54	-19.31	-	-	-	-	237	100	V
5	10.459182	57.93	PK-U	37.7	-47.11		48.52	-	-	-	-	68.2	-19.68	237	198	V
2	10.464806	57.9	PK-U	37.7	-47.08		48.52	-	-	-	-	68.2	-19.68	237	100	H
6	14.237661	56.7	PK-U	39.8	-45.48		51.02	-	-	-	-	68.2	-17.18	237	198	V
3	14.250266	57.11	PK-U	39.8	-45.65		51.26	-	-	-	-	68.2	-16.94	237	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

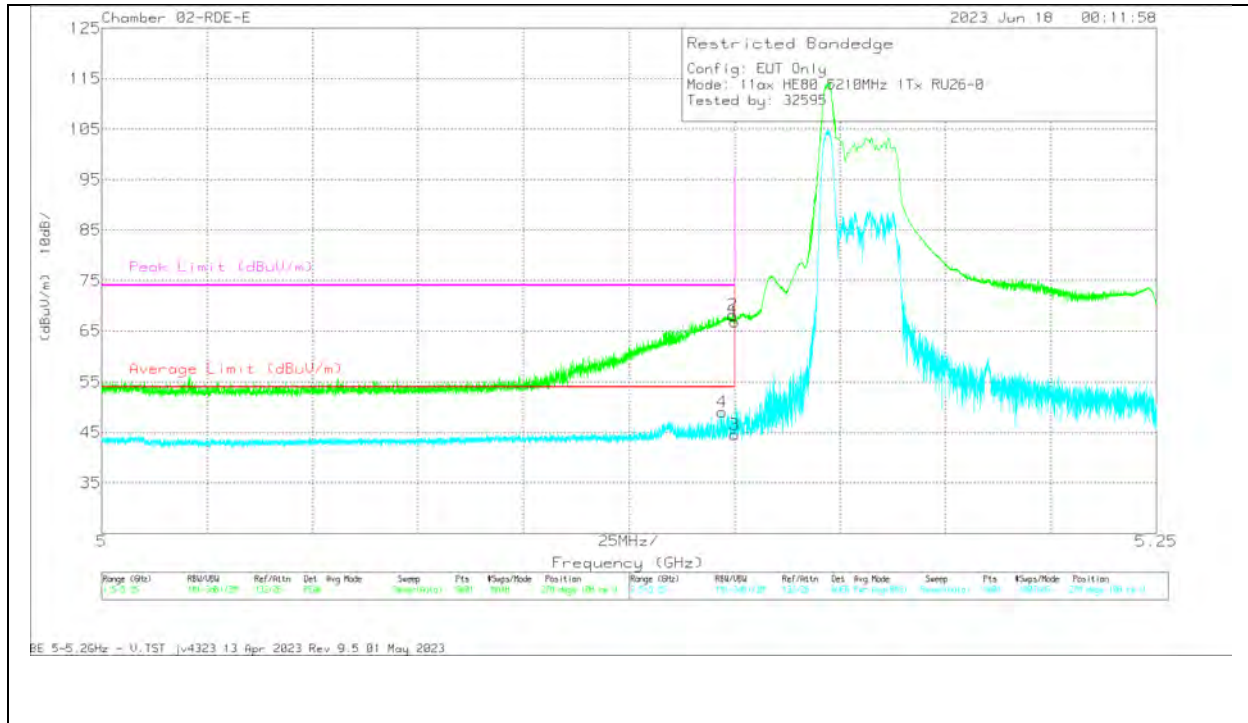
1.2.13. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.2GHz BAND**1TX Antenna 6 MODE: 26-Tones, RU Index 0****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	71.04	Pk	34.3	0	-37.8	67.54	-	-	74	-6.46	44	115	H
2	* 5.149057	72.69	Pk	34.3	0	-37.8	69.19	-	-	74	-4.81	44	115	H
3	* 5.15	48.28	RMS	34.3	.65	-37.8	45.43	54	-8.57	-	-	44	115	H
4	* 5.149168	53.53	RMS	34.3	.65	-37.8	50.78	54	-3.22	-	-	44	115	H

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

PK - Peak detector

RMS - RMS detection

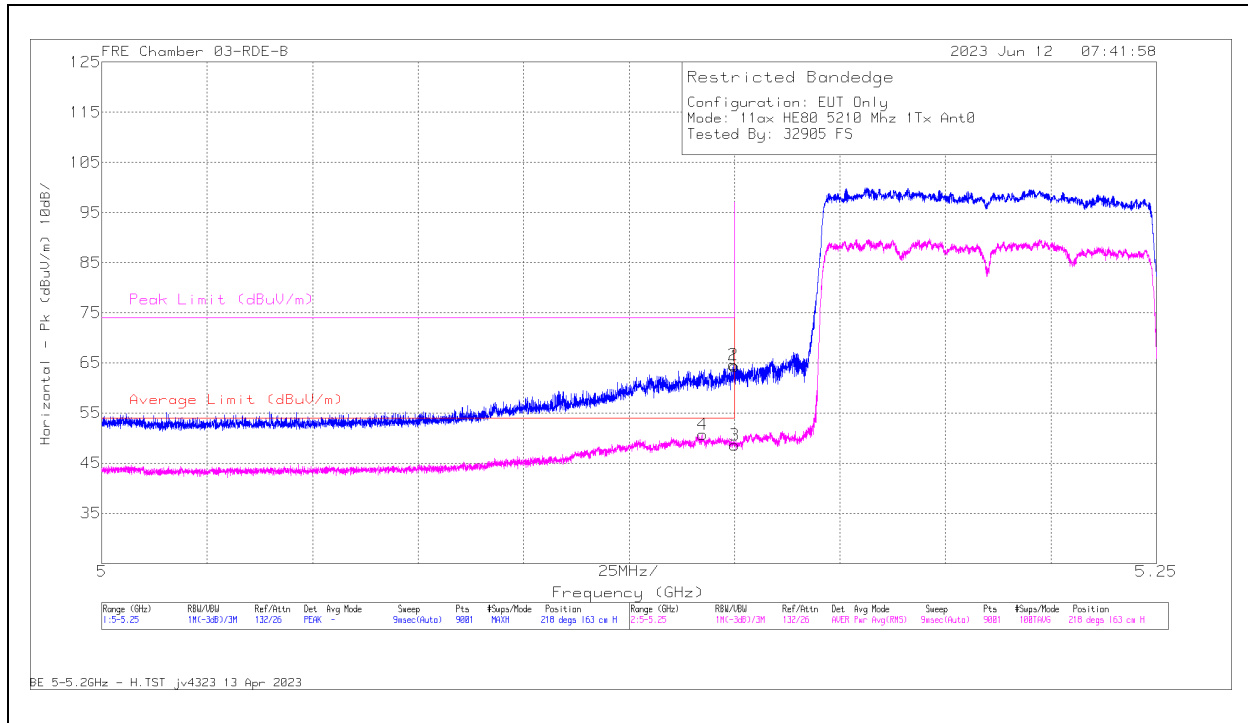
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	206807 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	70.27	Pk	34.3	0	-37.8	66.77	-	-	74	-7.23	278	108	V
2	* 5.149612	71.66	Pk	34.3	0	-37.8	68.16	-	-	74	-5.84	278	108	V
3	* 5.15	47.58	RMS	34.3	.65	-37.8	44.73	54	-9.27	-	-	278	108	V
4	* 5.147029	52.1	RMS	34.3	.65	-37.83	49.22	54	-4.78	-	-	278	108	V

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

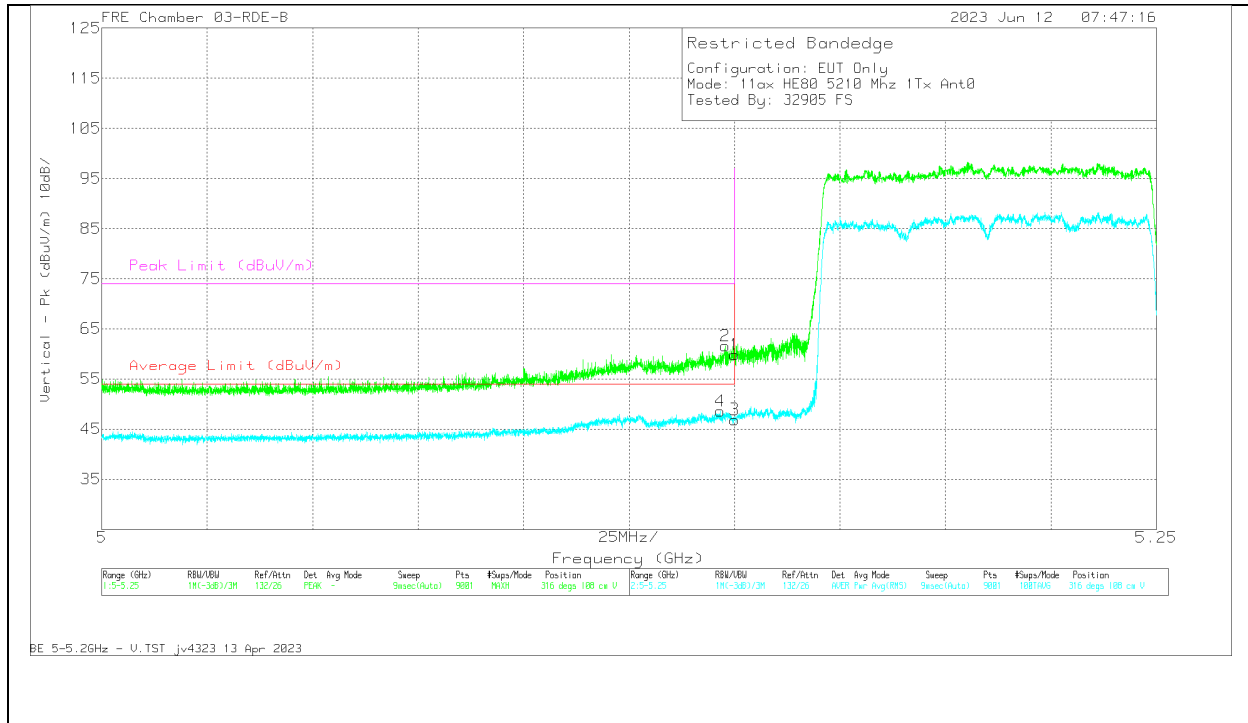
Pk - Peak detector

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)	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	70	Pk	34.3	0	-39.9	64.4	-	-	74	-9.6	218	163	H
2	* 5.149723	70.17	Pk	34.3	0	-39.9	64.57	-	-	74	-9.43	218	163	H
3	* 5.15	53.1	RMS	34.3	1.07	-39.9	48.57	54	-5.43	-	-	218	163	H
4	* 5.142418	55.11	RMS	34.3	1.07	-39.84	50.64	54	-3.36	-	-	218	163	H

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

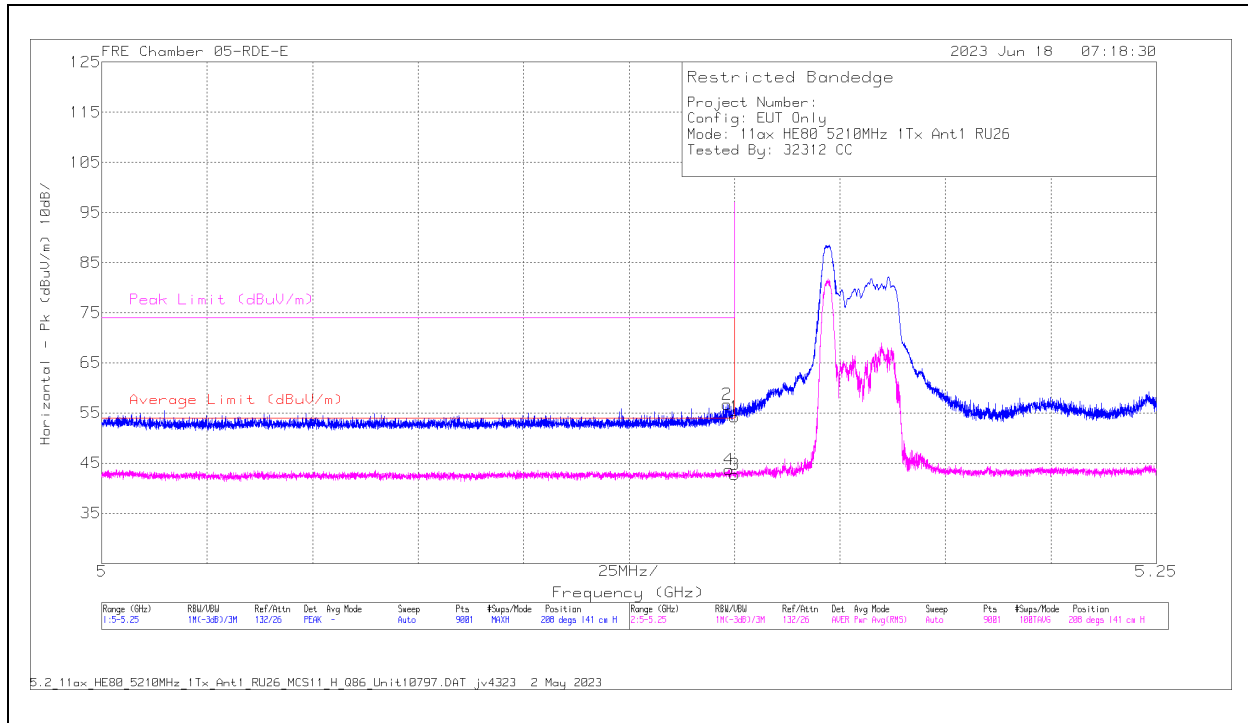
VERTICAL RESULT

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	65.47	Pk	34.3	0	-39.9	59.87	-	-	74	-14.13	316	108	V
2	* 5.147723	67.23	Pk	34.3	0	-39.9	61.63	-	-	74	-12.37	316	108	V
3	* 5.15	51.37	RMS	34.3	1.07	-39.9	46.84	54	-7.16	-	-	316	108	V
4	* 5.146668	53.05	RMS	34.3	1.07	-39.93	48.49	54	-5.51	-	-	316	108	V

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

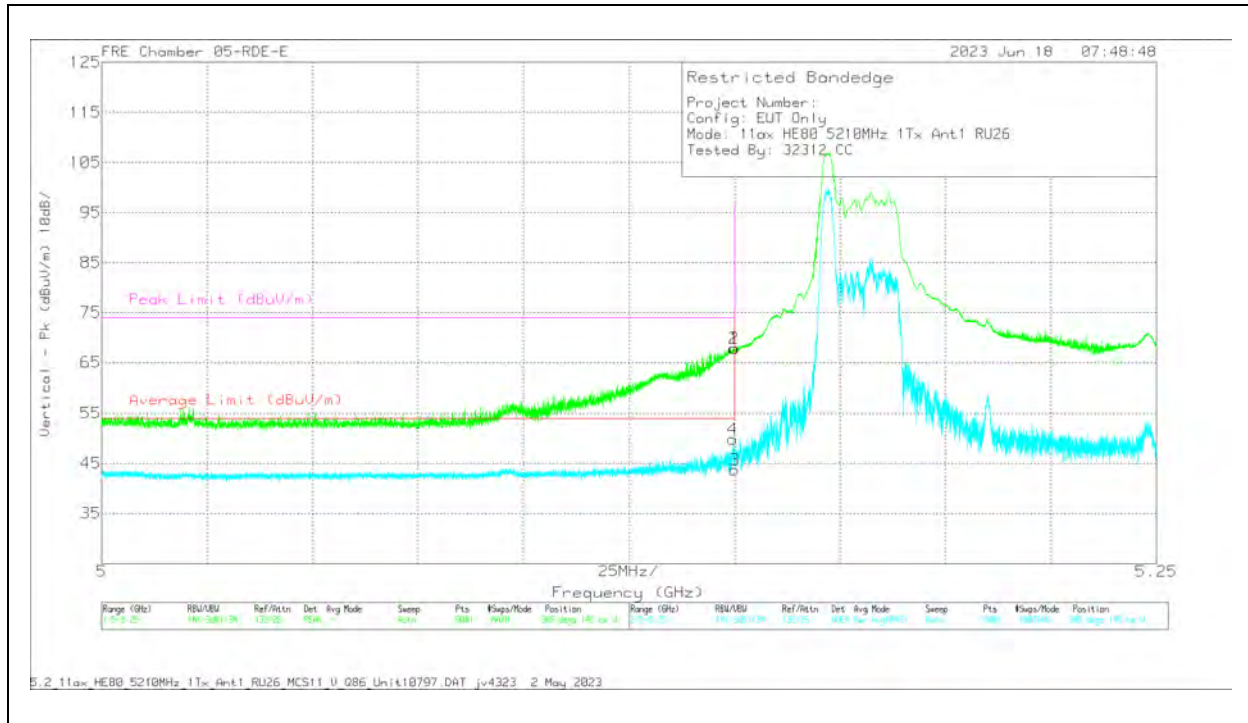
Pk - Peak detector

RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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
2	5.148196	61.21	Pk	34.3	0	-38.83	56.68	-	-	74	-17.32	208	141	H
4	5.148612	47.75	RMS	34.3	.65	-38.82	43.88	54	-10.12	-	-	208	141	H
1	5.15	58.72	Pk	34.3	0	-38.81	54.21	-	-	74	-19.79	208	141	H
3	5.15	46.74	RMS	34.3	.65	-38.81	42.88	54	-11.12	-	-	208	141	H

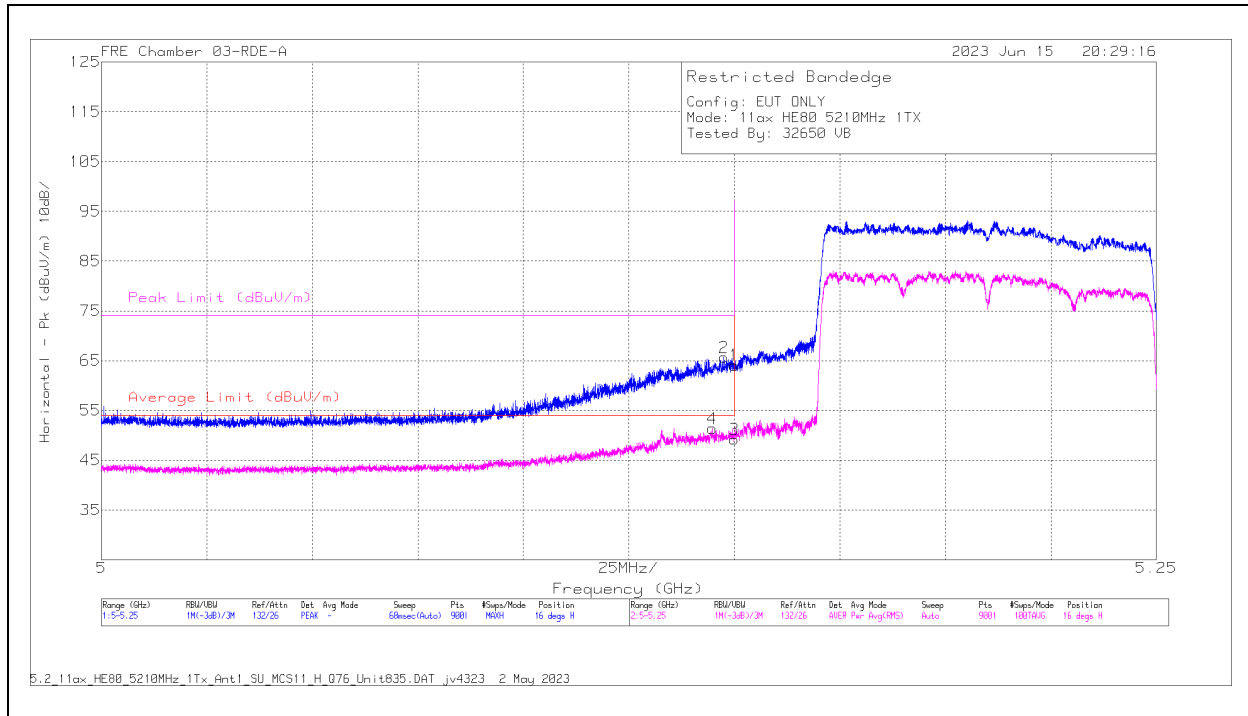
Pk - Peak detector
RMS - RMS detection

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
4	5.149557	53.88	RMS	34.3	.65	-38.81	50.02	54	-3.98	-	-	305	145	V
2	5.149835	72.35	Pk	34.3	0	-38.81	67.84	-	-	74	-6.16	305	145	V
1	5.15	72.35	Pk	34.3	0	-38.81	67.84	-	-	74	-6.16	305	145	V
3	5.15	47.71	RMS	34.3	.65	-38.81	43.85	54	-10.15	-	-	305	145	V

Pk - Peak detector

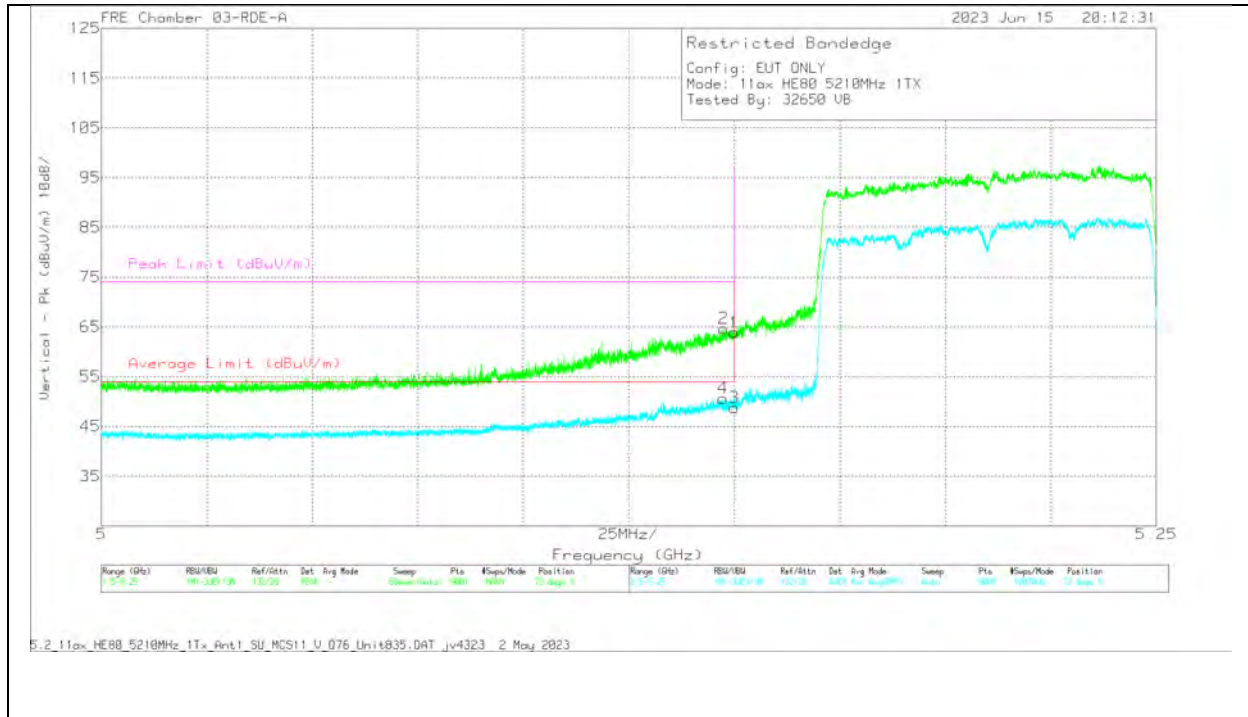
RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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
4	5.144751	54.85	RMS	34.3	1.07	-38.92	51.30	54	-2.70	-	-	16	237	H
2	5.147529	70.19	Pk	34.3	0	-38.84	65.65	-	-	74	-8.35	16	237	H
1	5.15	68.62	Pk	34.3	0	-38.81	64.11	-	-	74	-9.89	16	237	H
3	5.15	52.58	RMS	34.3	1.07	-38.81	49.14	54	-4.86	-	-	16	237	H

Pk - Peak detector

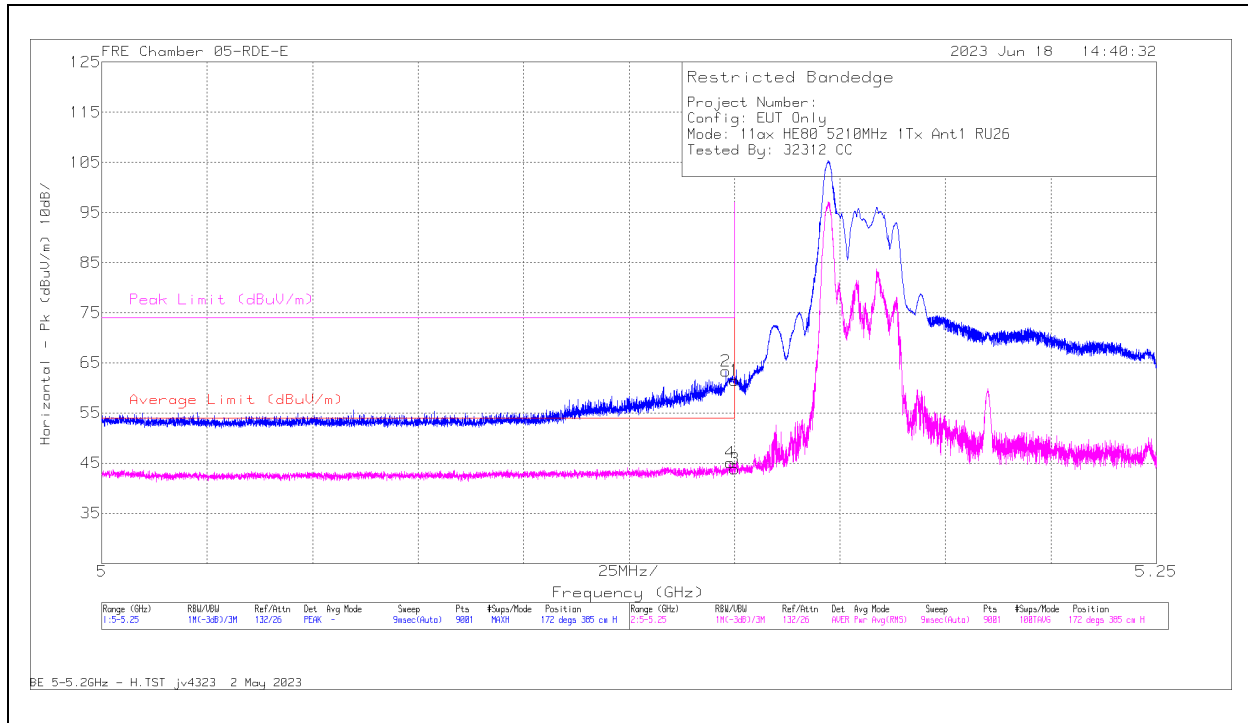
RMS - RMS detection

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
4	5.147307	54.12	RMS	34.3	1.07	-38.84	50.65	54	-3.35	-	-	73	176	V
2	5.14739	69.22	Pk	34.3	0	-38.84	64.68	-	-	74	-9.32	73	176	V
1	5.15	68.4	Pk	34.3	0	-38.81	63.89	-	-	74	-10.11	73	176	V
3	5.15	52.13	RMS	34.3	1.07	-38.81	48.69	54	-5.31	-	-	73	176	V

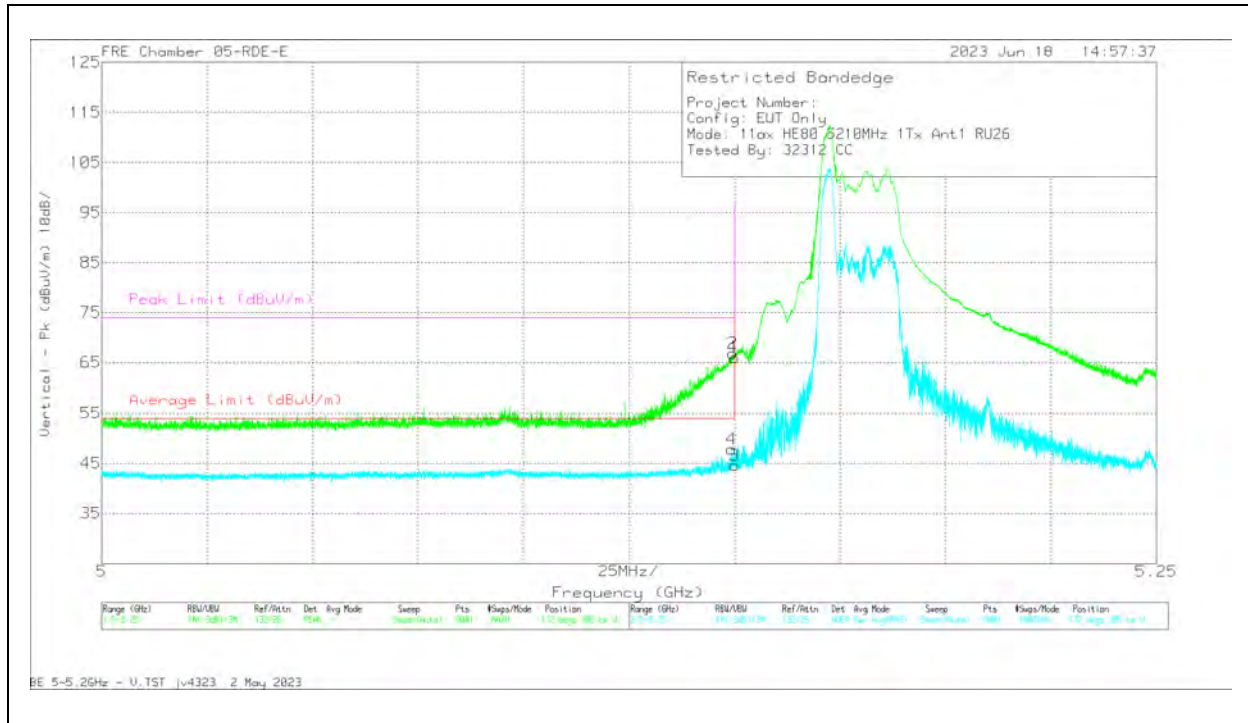
Pk - Peak detector

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	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
2	5.147973	67.83	Pk	34.3	0	-38.83	63.3	-	-	74	-10.7	172	385	H
4	5.148946	49.07	RMS	34.3	.65	-38.81	45.06	54	-8.94	-	-	172	385	H
1	5.15	66.05	Pk	34.3	0	-38.81	61.54	-	-	74	-12.46	172	385	H
3	5.15	47.89	RMS	34.3	.65	-38.81	44.03	54	-9.97	-	-	172	385	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

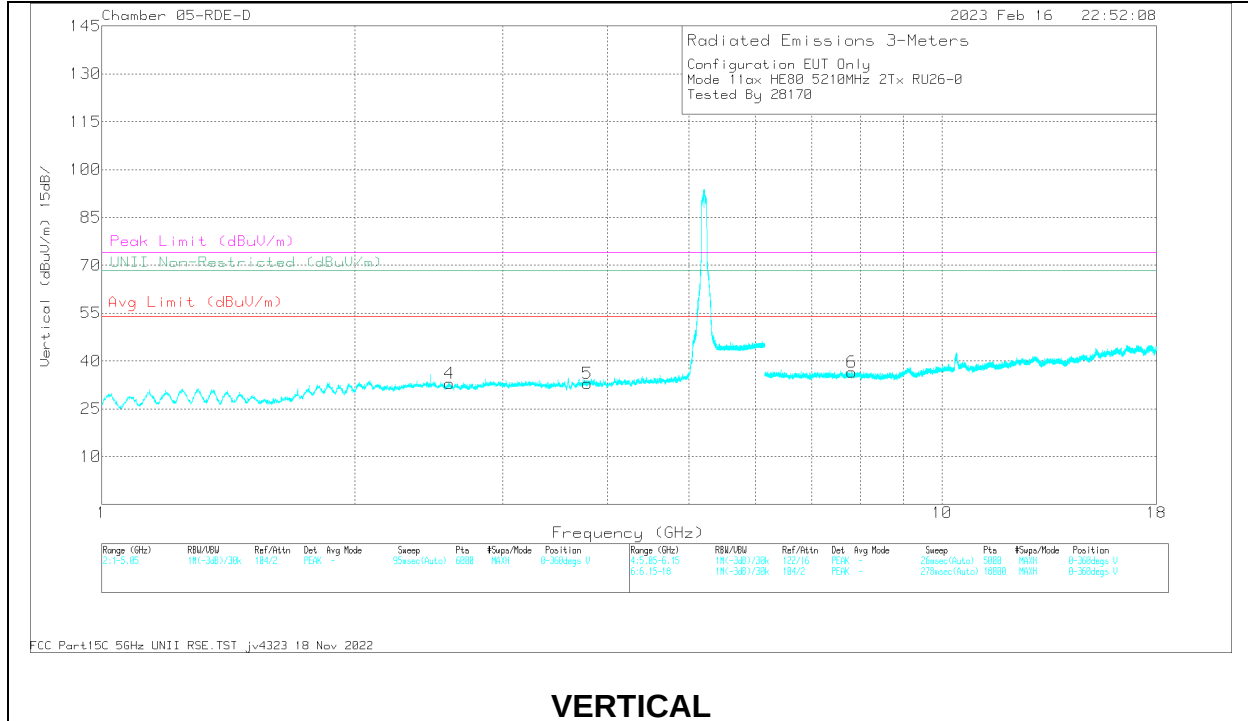
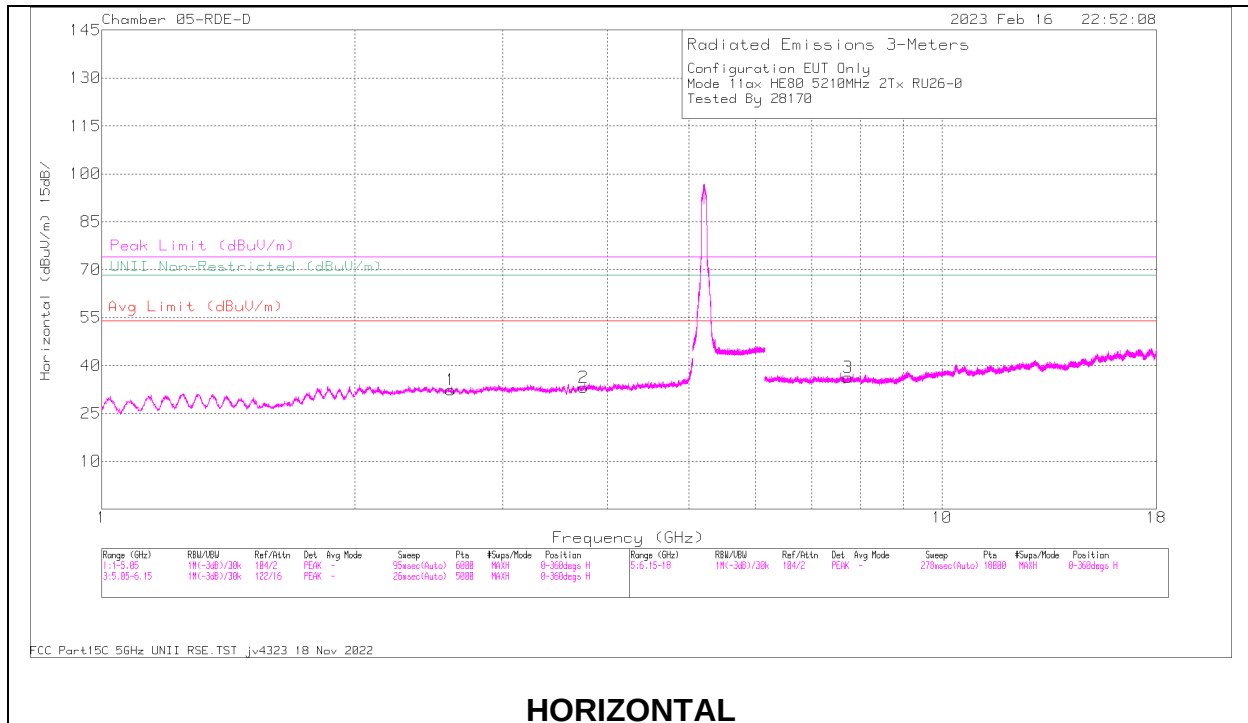
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.149251	51.9	RMS	34.3	.65	-38.81	48.04	54	-5.96	-	-	172	385	V
2	5.14964	71.42	Pk	34.3	0	-38.81	66.91	-	-	74	-7.09	172	385	V
1	5.15	70.56	Pk	34.3	0	-38.81	66.05	-	-	74	-7.95	172	385	V
3	5.15	48.55	RMS	34.3	.65	-38.81	44.69	54	-9.31	-	-	172	385	V

Pk - Peak detector

RMS - RMS detection

1.2.14. 5.2GHz 11ax, HE80 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



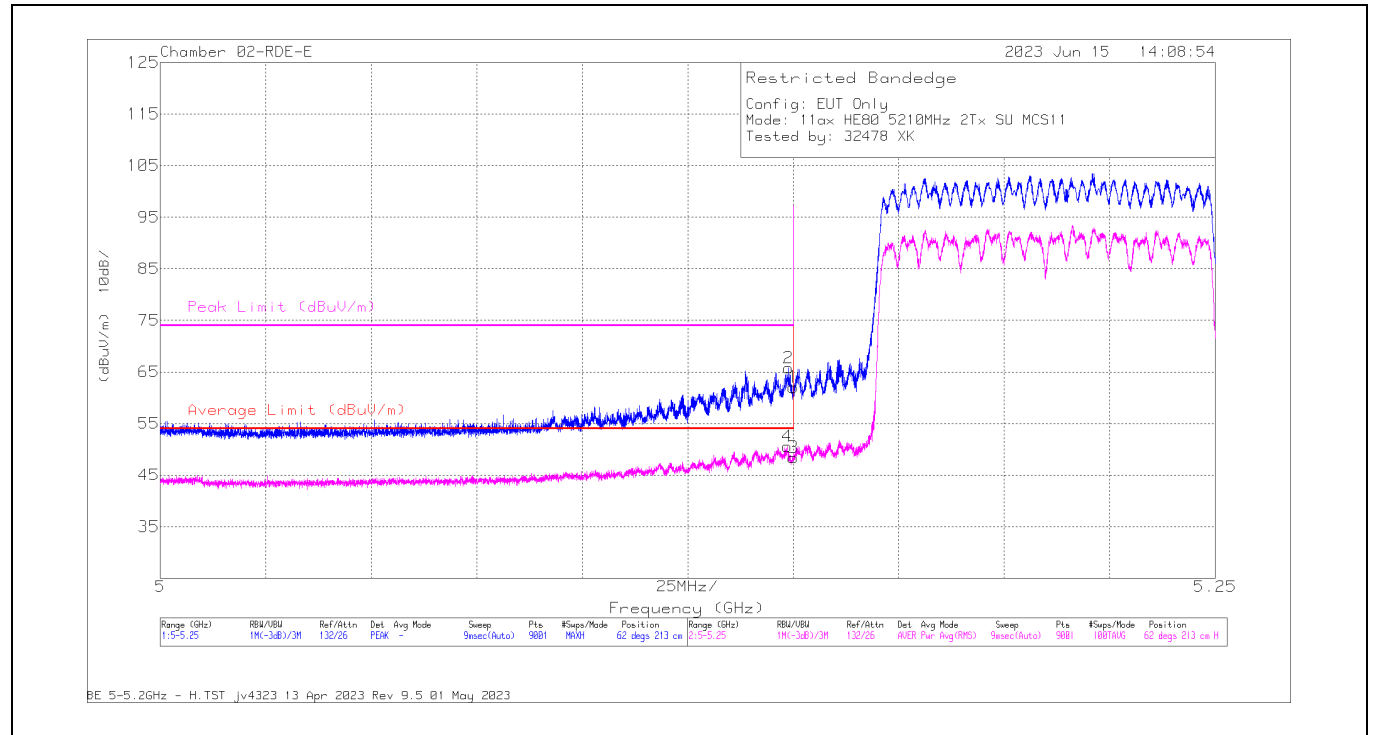
RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Readin g (dBuV)	Det	80402 ACF(d B) - 3mH	Gain/L oss (dB)	Correc ted Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restric ted (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
2	* 3.7489	58.17	PK-U	33.4	-48.14	43.43	-	-	74	-30.57	-	-	0	101	H
	* 3.748547	46.58	ADR	33.4	-48.15	31.83	54	-32.17	-	-	-	-	0	101	H
5	* 3.785387	57.64	PK-U	33.5	-48.13	43.01	-	-	74	-30.99	-	-	0	200	V
	* 3.785143	45.95	ADR	33.5	-48.13	31.32	54	-22.68	-	-	-	-	0	200	V
3	* 7.736981	57.42	PK-U	35.8	-47.03	46.19	-	-	74	-27.81	-	-	0	101	H
	* 7.738007	45.72	ADR	35.8	-46.96	34.56	54	-19.44	-	-	-	-	0	101	H
4	2.59692	61.15	PK-U	32.1	-50.23	43.02	-	-	-	-	68.2	-25.18	0	101	V
1	2.603902	60.9	PK-U	32	-50.17	42.73	-	-	-	-	68.2	-25.47	0	200	H
6	7.813285	57.36	PK-U	35.7	-46.76	46.3	-	-	-	-	68.2	-21.9	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

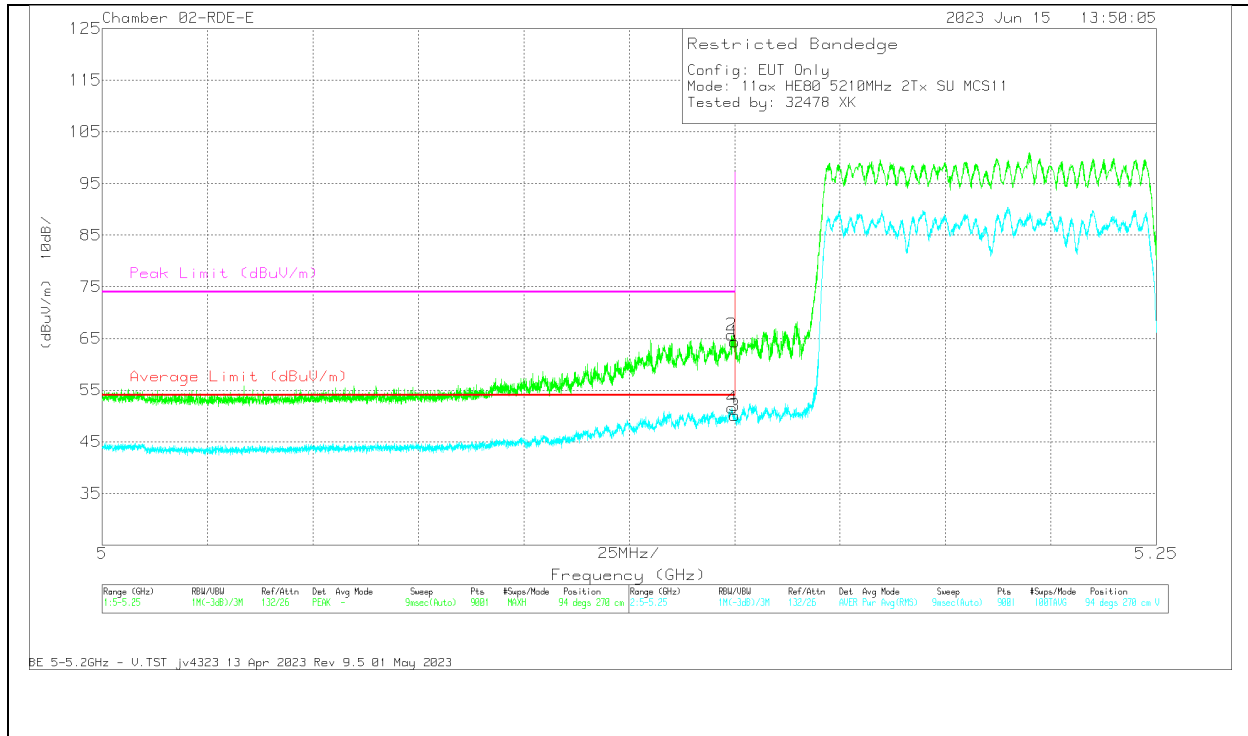
2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	65.53	Pk	34.3	0	-37.8	62.03	-	-	74	-11.97	62	213	H
2	* 5.148918	69.28	Pk	34.3	0	-37.8	65.78	-	-	74	-8.22	62	213	H
3	* 5.15	50.89	RMS	34.3	1.07	-37.8	48.46	54	-5.54	-	-	62	213	H
4	* 5.148612	53.07	RMS	34.3	1.07	-37.8	50.64	54	-3.36	-	-	62	213	H

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

Pk - Peak detector

RMS - RMS detection

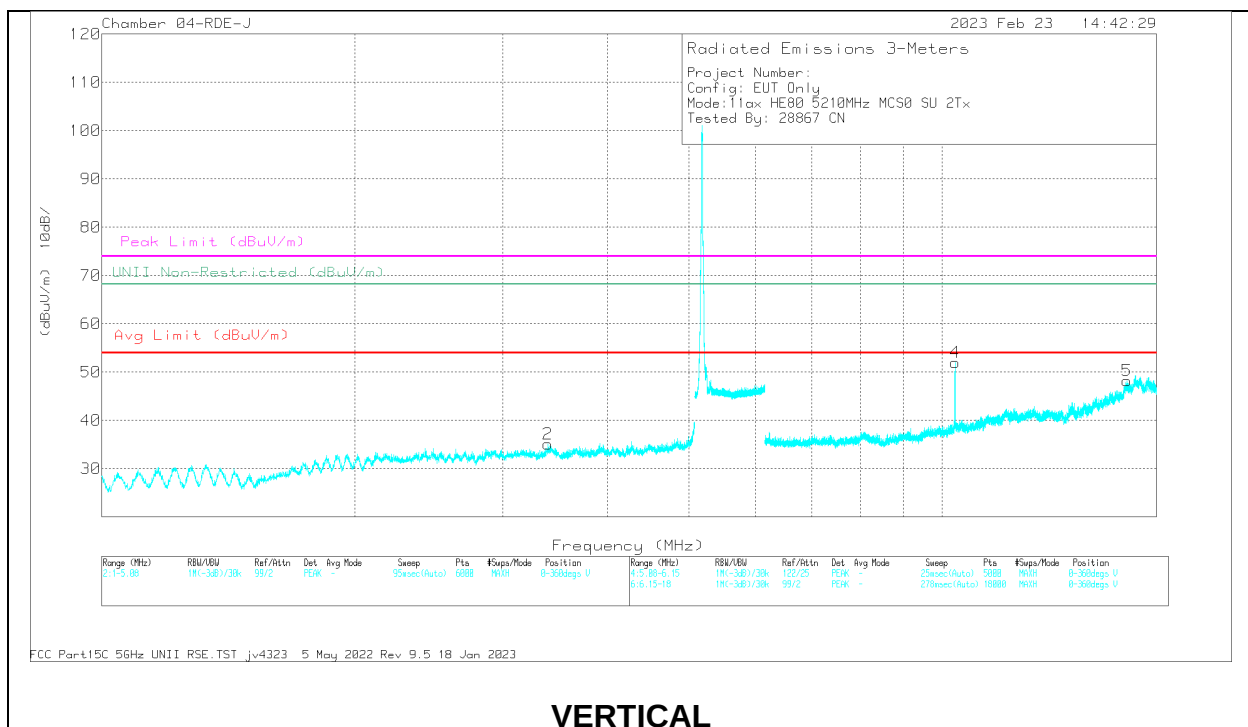
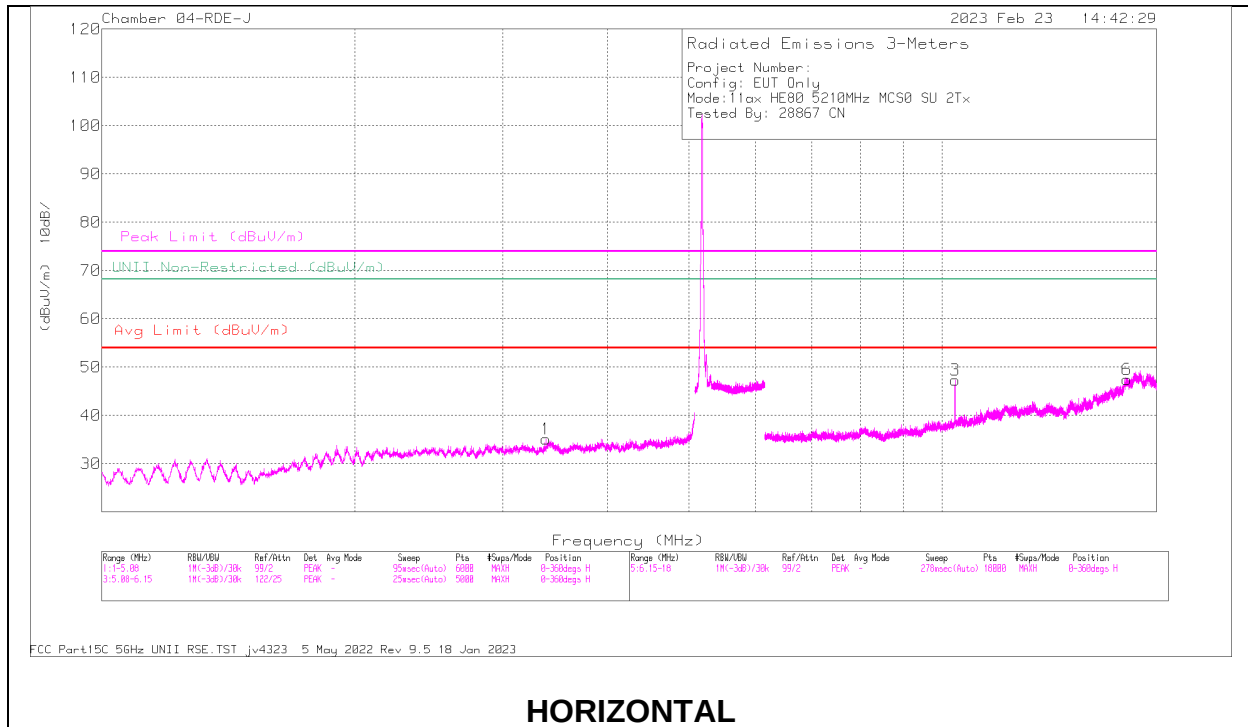
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	67.84	Pk	34.3	0	-37.8	64.34	-	-	74	-9.66	94	270	V
2	* 5.149251	69.19	Pk	34.3	0	-37.8	65.69	-	-	74	-8.31	94	270	V
3	* 5.15	52.59	RMS	34.3	1.07	-37.8	50.16	54	-3.84	-	-	94	270	V
4	* 5.14939	54.07	RMS	34.3	1.07	-37.8	51.64	54	-2.36	-	-	94	270	V

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

Pk - Peak detector

RMS - RMS detection

1.2.15. 5.2GHz, 11ax, HE80 SU 2TX HARMONICS AND SPURIOUS EMISSIONS**MID CHANNEL RESULTS**

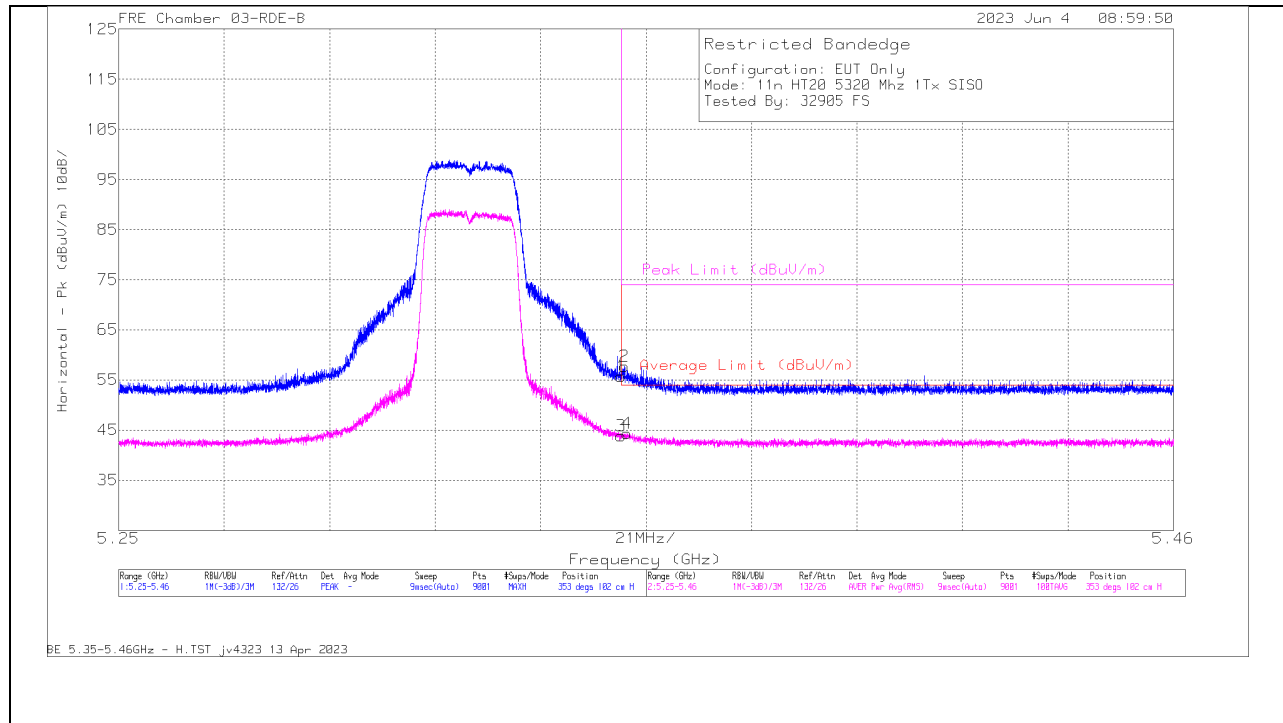
RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/ Fitr (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3380.034	54.97	Pk	32.7	-44.7	42.97	68.2	-25.23	360	100	H
2	3398.496	55.11	Pk	32.7	-44.2	43.61	68.2	-24.59	360	100	V
3	10367.36	58.22	Pk	37.4	-36.1	59.52	68.2	-8.68	60	121	H
6	16605.121	48.45	Pk	42.1	-33.8	56.75	68.2	-11.45	60	100	H
4	10367.191	63.95	Pk	37.4	-36	65.35	68.2	-2.85	87	101	V
5	16597.402	48.41	Pk	42.1	-33.8	56.71	68.2	-11.49	87	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

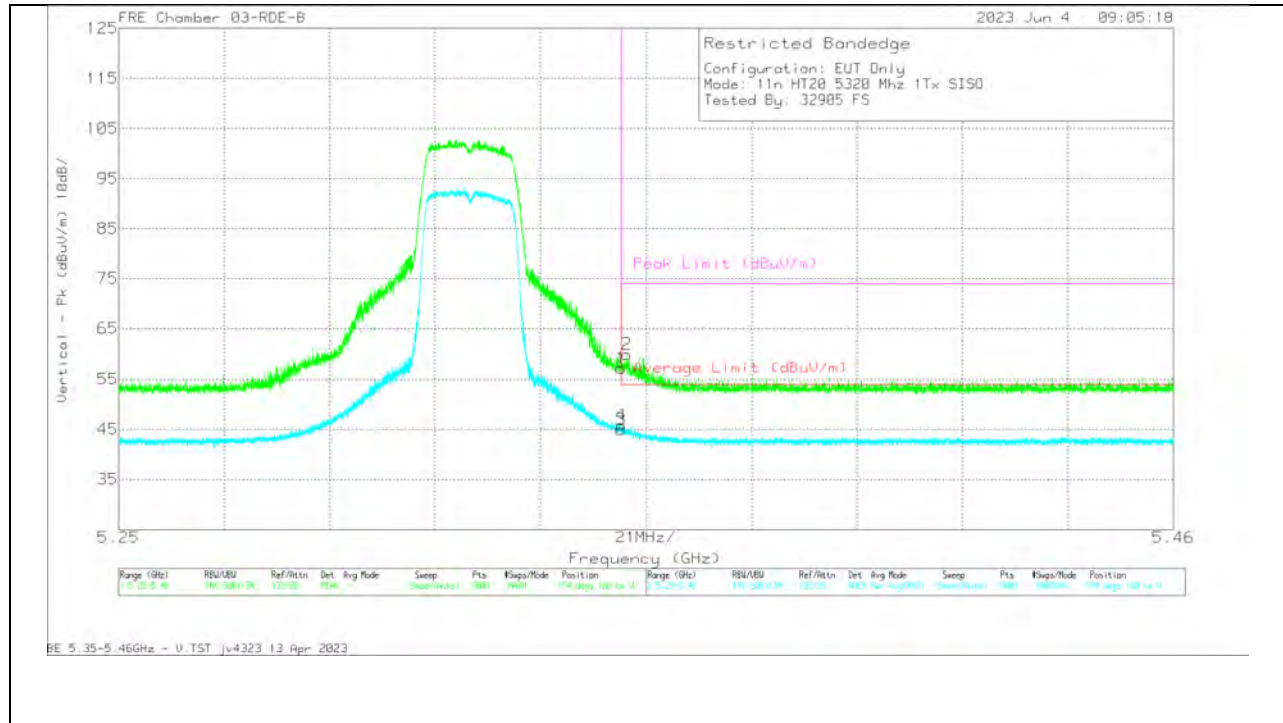
1.2.16. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND**1TX Antenna 6****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	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	* 5.35	60.92	Pk	34.4	0	-39.6	55.72	-	-	74	-18.28	353	102	H
2	* 5.350729	62.91	Pk	34.4	0	-39.6	57.71	-	-	74	-16.29	353	102	H
3	* 5.35	48.79	RMS	34.4	.40	-39.6	43.99	54	-10.01	-	-	353	102	H
4	* 5.351219	49.31	RMS	34.4	.40	-39.6	44.51	54	-9.49	-	-	353	102	H

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

Pk - Peak detector

RMS - RMS detection

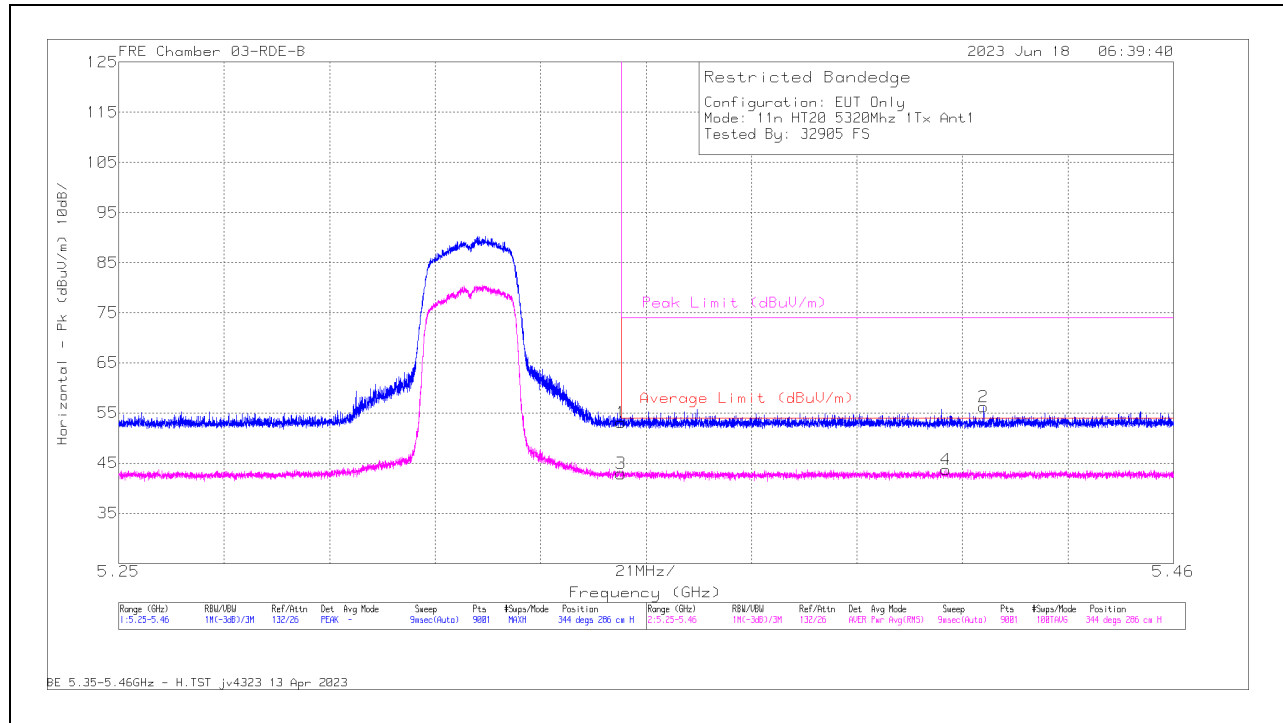
VERTICAL RESULT

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	62.45	Pk	34.4	0	-39.6	57.25	-	-	74	-16.75	154	160	V
2	* 5.351125	65.18	Pk	34.4	0	-39.6	59.98	-	-	74	-14.02	154	160	V
3	* 5.35	49.94	RMS	34.4	.40	-39.6	45.16	54	-8.84	-	-	154	160	V
4	* 5.350075	50.79	RMS	34.4	.40	-39.6	45.99	54	-8.01	-	-	154	160	V

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

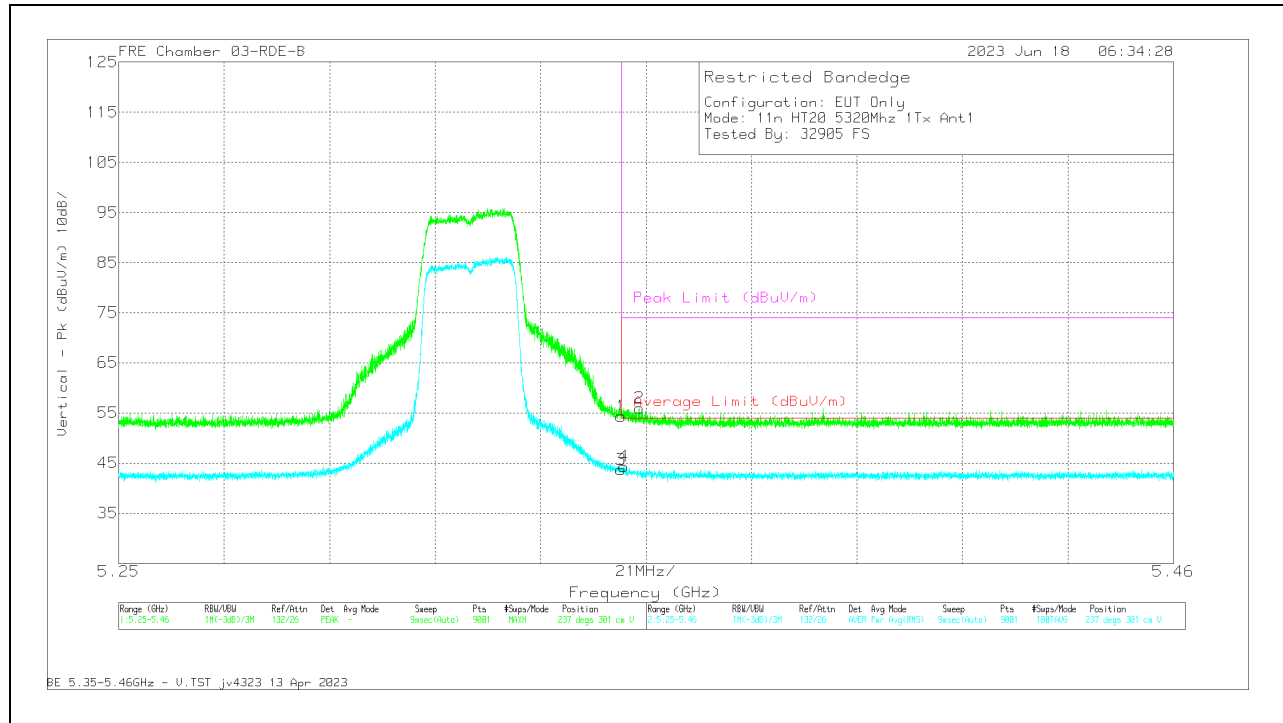
Pk - Peak detector

RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	58.27	Pk	34.4	0	-39.6	53.07	-	-	74	-20.93	344	286	H
2	* 5.422244	61.43	Pk	34.3	0	-39.5	56.23	-	-	74	-17.77	344	286	H
3	* 5.35	47.67	RMS	34.4	.40	-39.6	42.87	54	-11.13	-	-	344	286	H
4	* 5.414731	48.34	RMS	34.4	.40	-39.43	43.71	54	-10.29	-	-	344	286	H

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

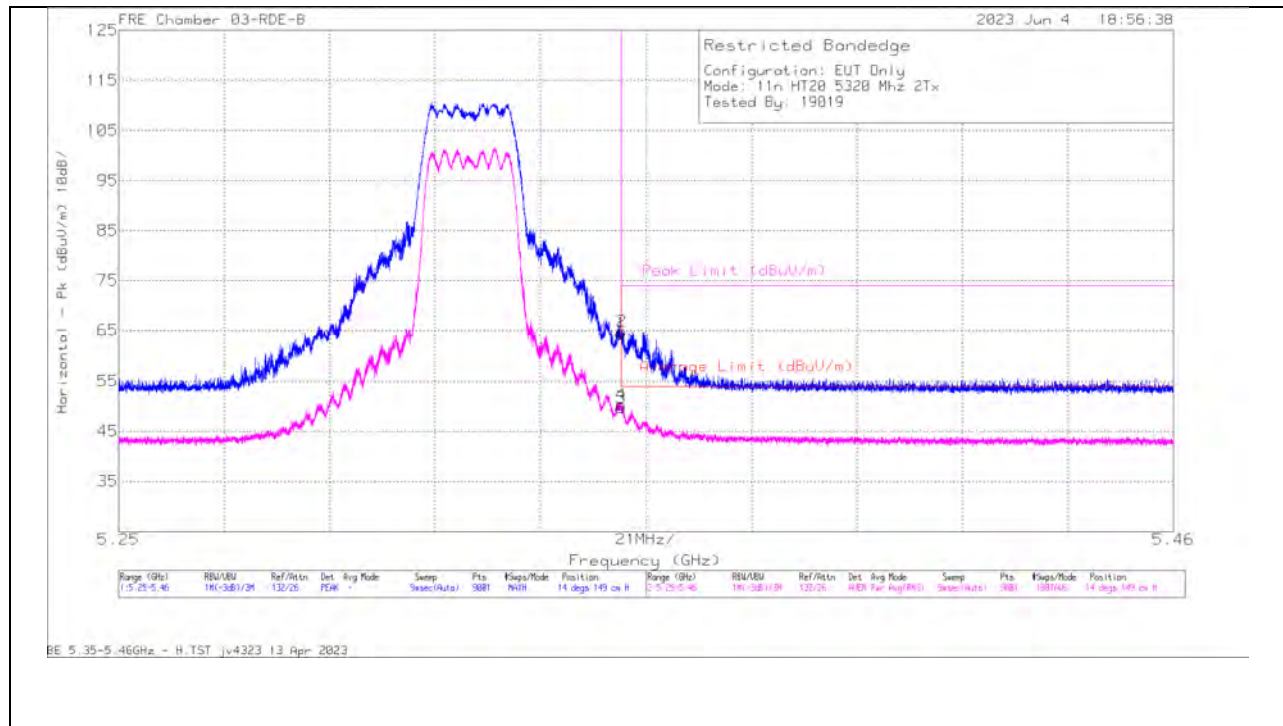
VERTICAL RESULT

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	59.55	Pk	34.4	0	-39.6	54.35	-	-	74	-19.65	237	301	V
2	* 5.353739	61.31	Pk	34.4	0	-39.7	56.01	-	-	74	-17.99	237	301	V
3	* 5.35	48.52	RMS	34.4	.40	-39.6	43.72	54	-10.28	-	-	237	301	V
4	* 5.350565	49.15	RMS	34.4	.40	-39.6	44.35	54	-9.65	-	-	237	301	V

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

Pk - Peak detector

RMS - RMS detection

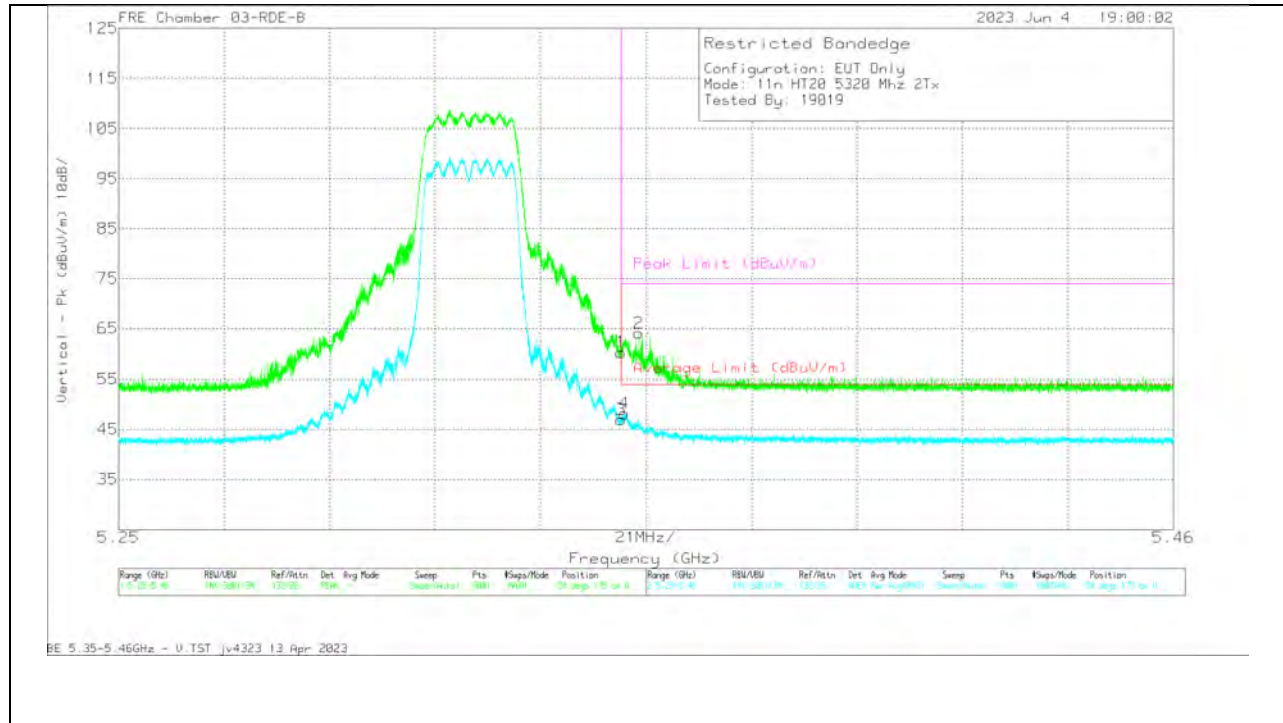
2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	69.62	PK	34.4	0	-39.6	64.42	-	-	74	-9.58	14	149	H
2	* 5.350145	70.03	PK	34.4	0	-39.6	64.83	-	-	74	-9.17	14	149	H
3	* 5.35	54.7	RMS	34.4	.40	-39.6	49.90	54	-4.10	-	-	14	149	H
4	* 5.350075	55.31	RMS	34.4	.40	-39.6	50.41	54	-3.59	-	-	14	149	H

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

PK - Peak detector

RMS - RMS detection

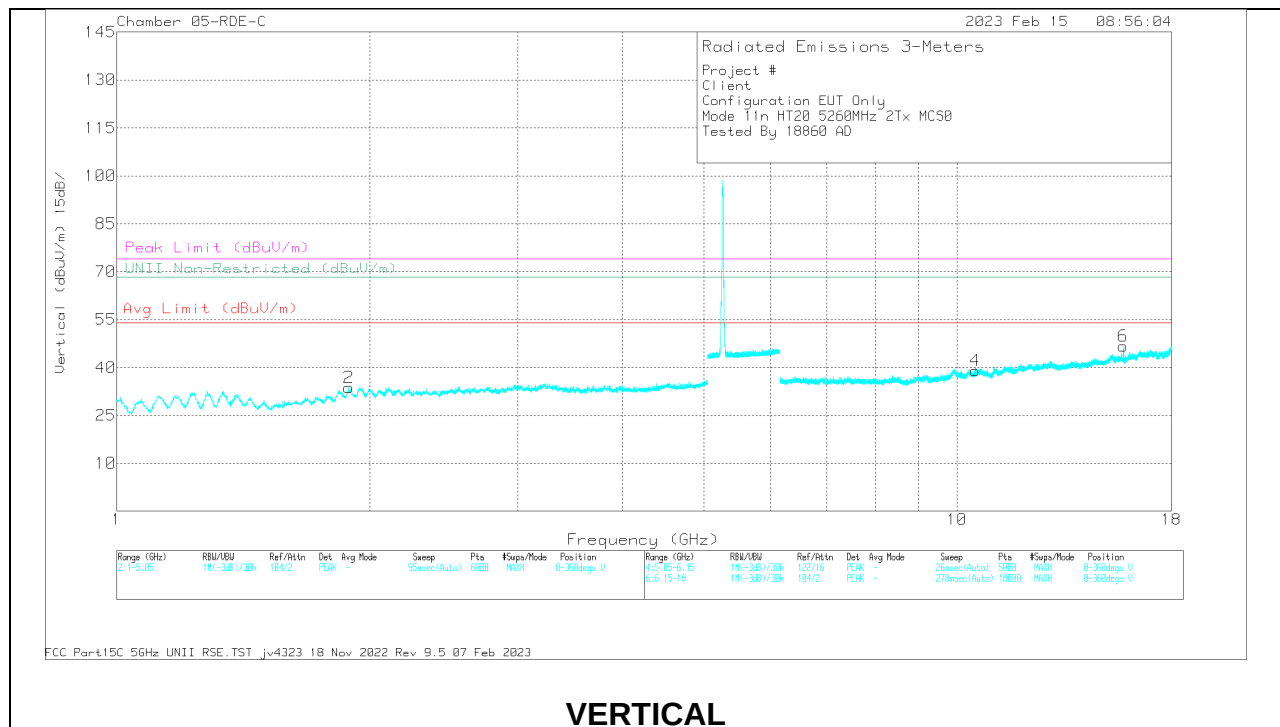
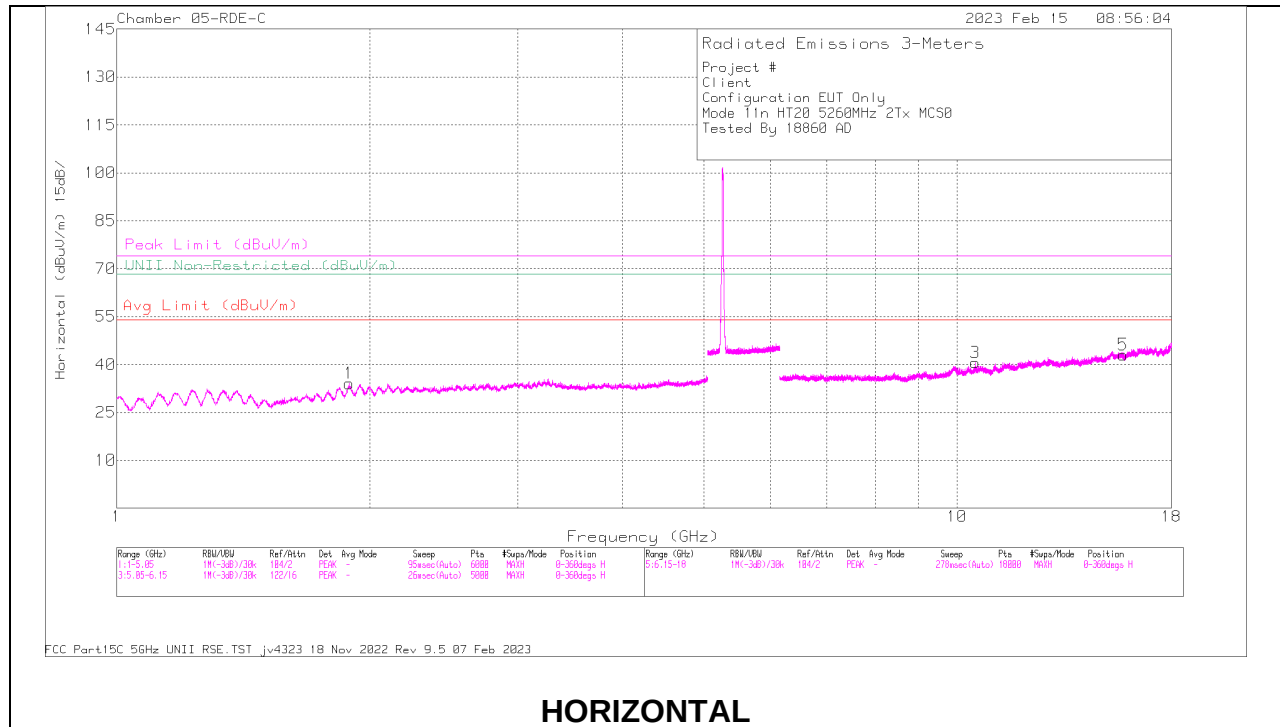
VERTICAL RESULT

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	65.54	Pk	34.4	0	-39.6	60.34	-	-	74	-13.66	58	175	V
2	* 5.353552	69.35	Pk	34.4	0	-39.7	64.05	-	-	74	-9.95	58	175	V
3	* 5.35	51.95	RMS	34.4	.40	-39.6	47.15	54	-6.85	-	-	58	175	V
4	* 5.350729	53.12	RMS	34.4	.40	-39.6	48.32	54	-5.684	-	-	58	175	V

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

Pk - Peak detector

RMS - RMS detection

1.2.17. 5.3GHz Band HT20, 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

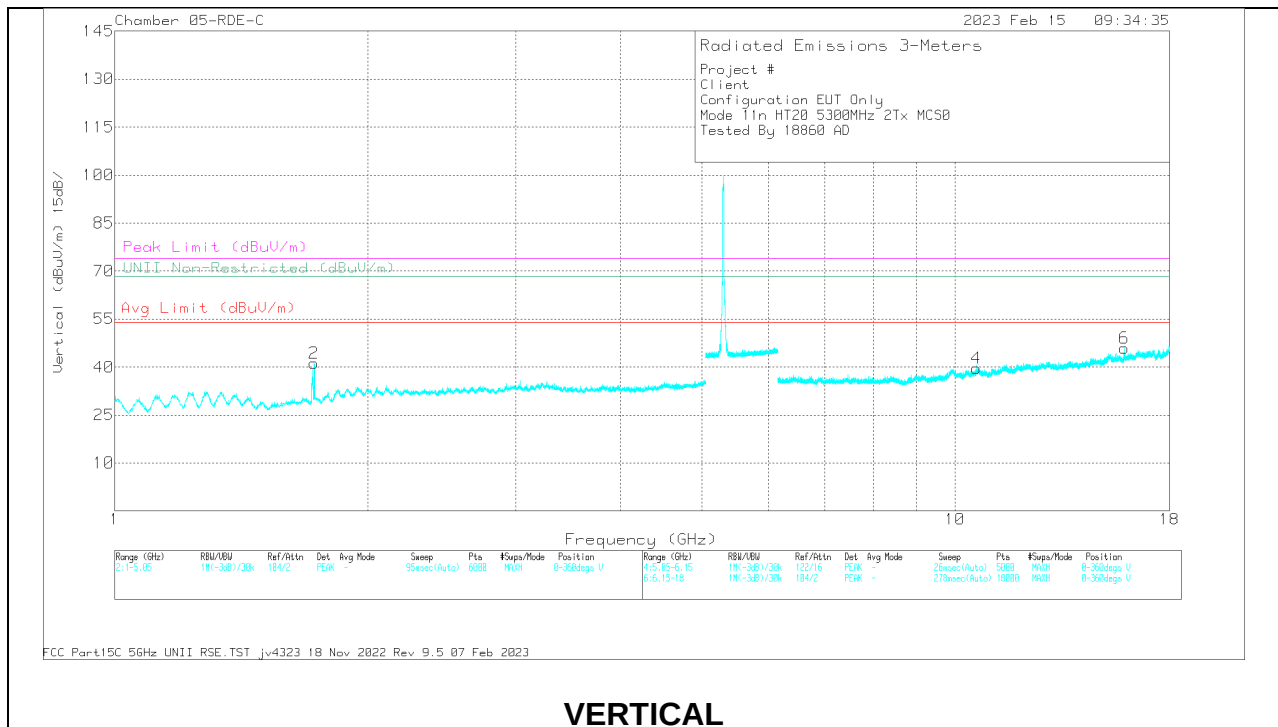
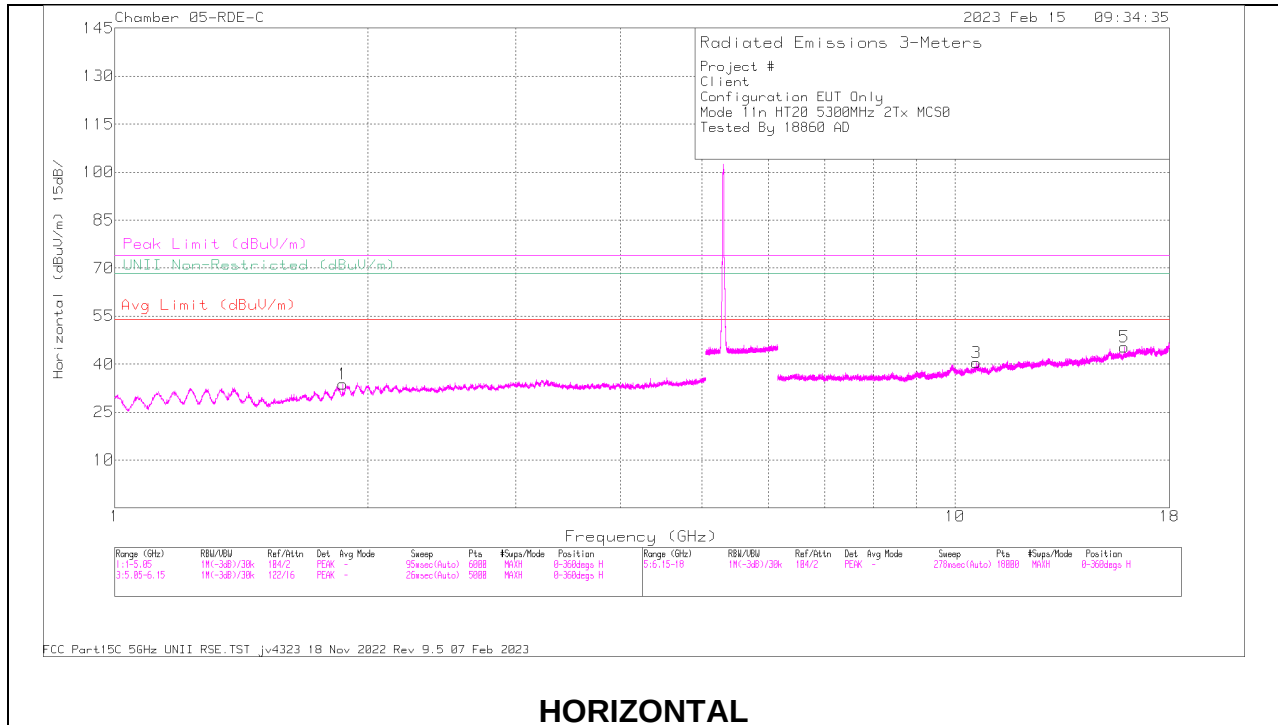
RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Readi ng (dBuV)	Det	80707 ACF (dB)	Gain/Loss (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polari ty
1	1.888852	62.32	PK-U	31.2	-50.38	43.14	-	-	-	-	68.2	-25.06	0	127	H
2	1.891698	62.39	PK-U	31.3	-50.42	43.27	-	-	-	-	68.2	-24.93	207	343	V
4	10.520103	60.95	PK-U	37.8	-47.11	51.64	-	-	-	-	68.2	-16.56	312	241	V
3	10.520529	60.1	PK-U	37.8	-47.12	50.78	-	-	-	-	68.2	-17.42	262	111	H
5	15.779052	56.4	PK-U	40.8	-44.15	53.05	-	-	74	-20.95	-	-	137	336	H
	15.782372	44.6	ADR	40.8	-44.19	41.21	54	-12.79	-	-	-	-	137	336	H
6	15.779496	60.35	PK-U	40.8	-44.15	57	-	-	74	-17	-	-	97	248	V
	15.782747	47.8	ADR	40.8	-44.19	44.41	54	-9.59	-	-	-	-	97	248	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

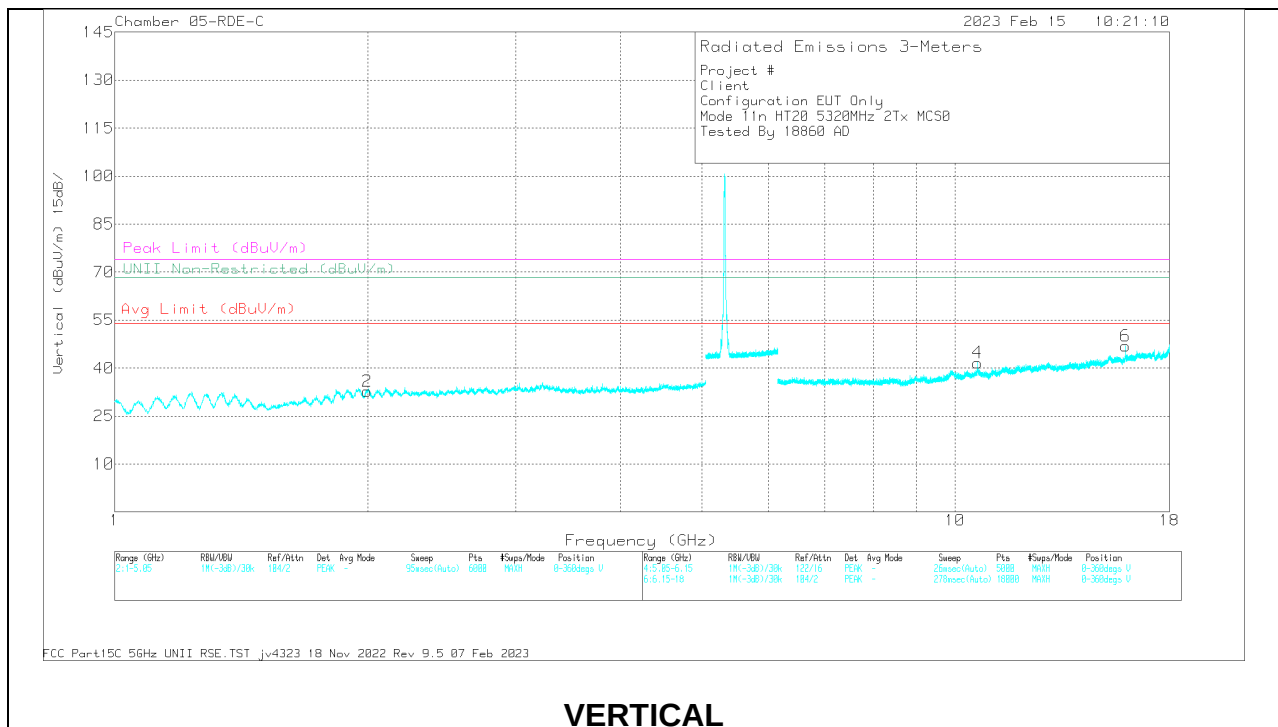
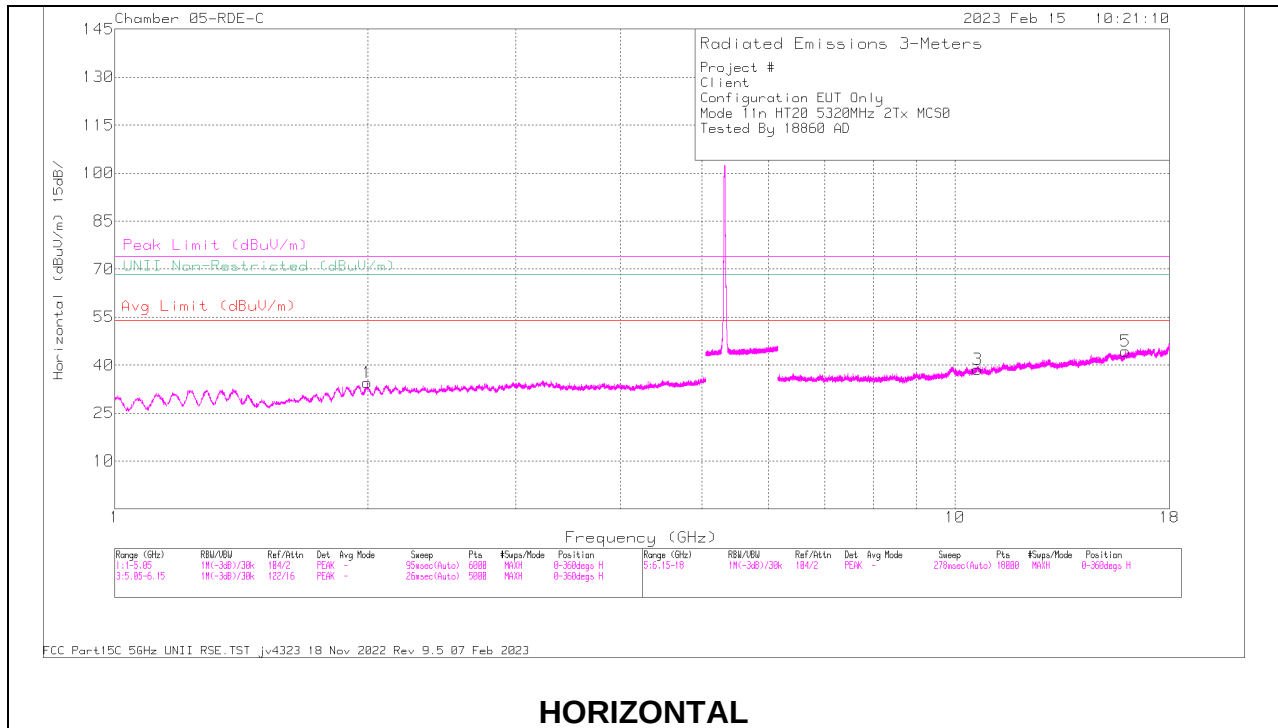
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unil Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1.727762	62.18	PK-U	29.3	-50.43	41.05	-	-	-	-	68.2	-27.15	275	248	V
1	1.86646	60.51	PK-U	31.2	-50.56	41.15	-	-	-	-	68.2	-27.05	345	353	H
3	10.600135	59.4	PK-U	37.8	-46.81	50.39	-	-	74	-23.61	-	-	277	112	H
	10.600288	48.14	ADR	37.8	-46.81	39.13	54	-14.87	-	-	-	-	277	112	H
4	10.601493	60.27	PK-U	37.8	-46.82	51.25	-	-	74	-22.75	-	-	184	101	V
	10.601308	49.02	ADR	37.8	-46.82	40	54	-14	-	-	-	-	184	101	V
5	15.90599	57.06	PK-U	40.9	-44.76	53.2	-	-	74	-20.8	-	-	195	142	H
	15.905508	45.83	ADR	40.9	-44.77	41.96	54	-12.04	-	-	-	-	195	142	H
6	15.905942	60.4	PK-U	40.9	-44.76	56.54	-	-	74	-17.46	-	-	284	112	V
	15.906275	47.83	ADR	40.9	-44.76	43.97	54	-10.03	-	-	-	-	284	112	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	80707 ACF (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
1	1.994951	61.76	PK-U	31.7	-50.42	43.04	-	-	-	-	68.2	-25.16	286	384	H
2	2.001813	61.61	PK-U	31.6	-50.4	42.81	-	-	-	-	68.2	-25.39	37	209	V
3	10.643304	59.68	PK-U	37.9	-46.58	51	-	-	74	-23	-	-	265	103	H
	10.643705	47.63	ADR	37.9	-46.58	38.95	54	-15.05	-	-	-	-	265	103	H
4	10.644935	46.17	ADR	37.9	-46.58	37.49	54	-16.51	-	-	-	-	199	231	V
	10.644999	57.77	PK-U	37.9	-46.58	49.09	-	-	74	-24.91	-	-	199	231	V
6	15.963753	56.27	PK-U	40.9	-44.67	52.5	-	-	74	-21.5	-	-	115	307	V
	15.961245	45	ADR	41	-44.66	41.34	54	-12.66	-	-	-	-	115	307	V
5	15.963966	56.77	PK-U	40.9	-44.67	53	-	-	74	-21	-	-	274	147	H
	15.962394	45.13	ADR	40.9	-44.67	41.36	54	-12.64	-	-	-	-	274	147	H

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

PK-U - U-NII: Maximum Peak

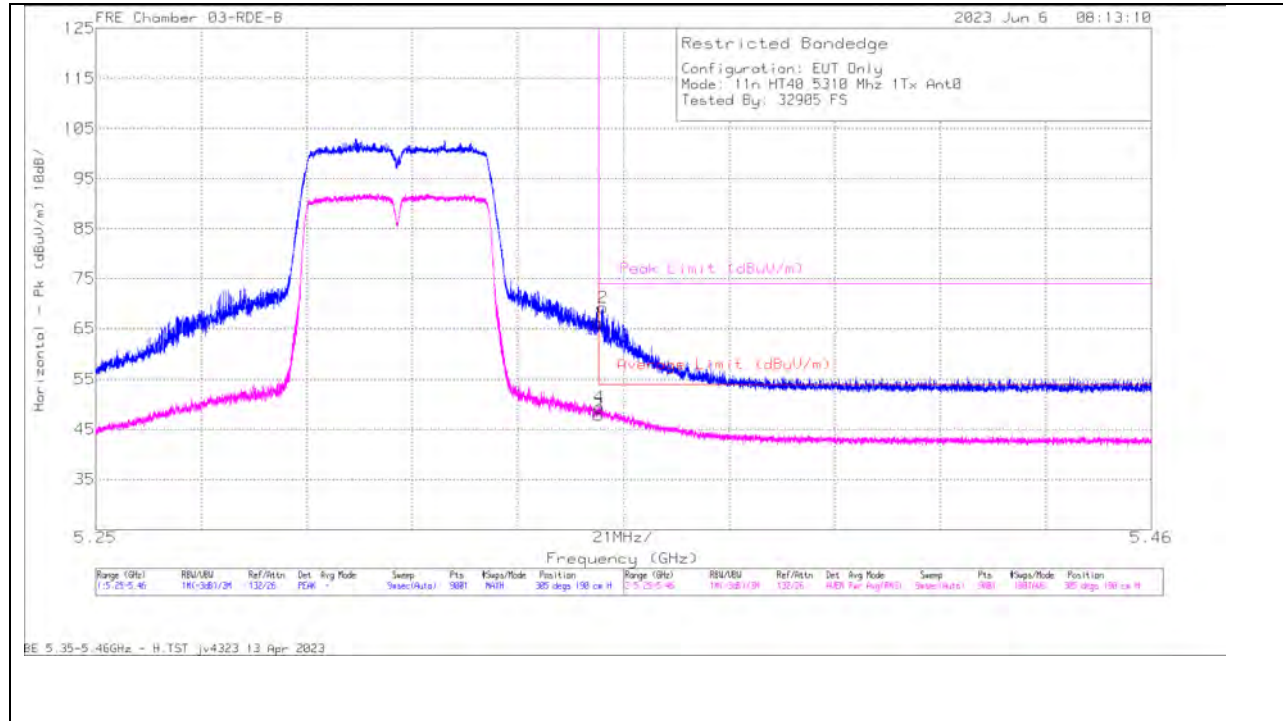
ADR - U-NII AD primary method, RMS average

1.2.18. 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	71.31	PK	34.4	0	-39.6	66.11	-	-	74	-7.89	305	190	H
2	* 5.350962	74.43	PK	34.4	0	-39.6	69.23	-	-	74	-4.77	305	190	H
3	* 5.35	52.9	RMS	34.4	.68	-39.6	48.38	54	-5.62	-	-	305	190	H
4	* 5.350192	54.43	RMS	34.4	.68	-39.6	49.91	54	-4.09	-	-	305	190	H

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

PK - Peak detector

RMS - RMS detection

FRE Chamber 03-RDE-B

2023 Jun 6 08:18:48

Vertical - Pk (dBuV/m) 10dB/

Frequency (GHz)

21MHz/

5.25 5.46

Restricted Bandedge

Configuration: EUT Only

Mode: 11n HT40 5310 Mhz 1Tx AntB

Tested By: 32905 FS

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

Range (GHz) BW/Res Ref/Attn Det Avg Mode Sweep Pts Ksigs/Mode Position

5.25-5.46 100-300000 120dB Peak 119 MHz 200 Hz 11

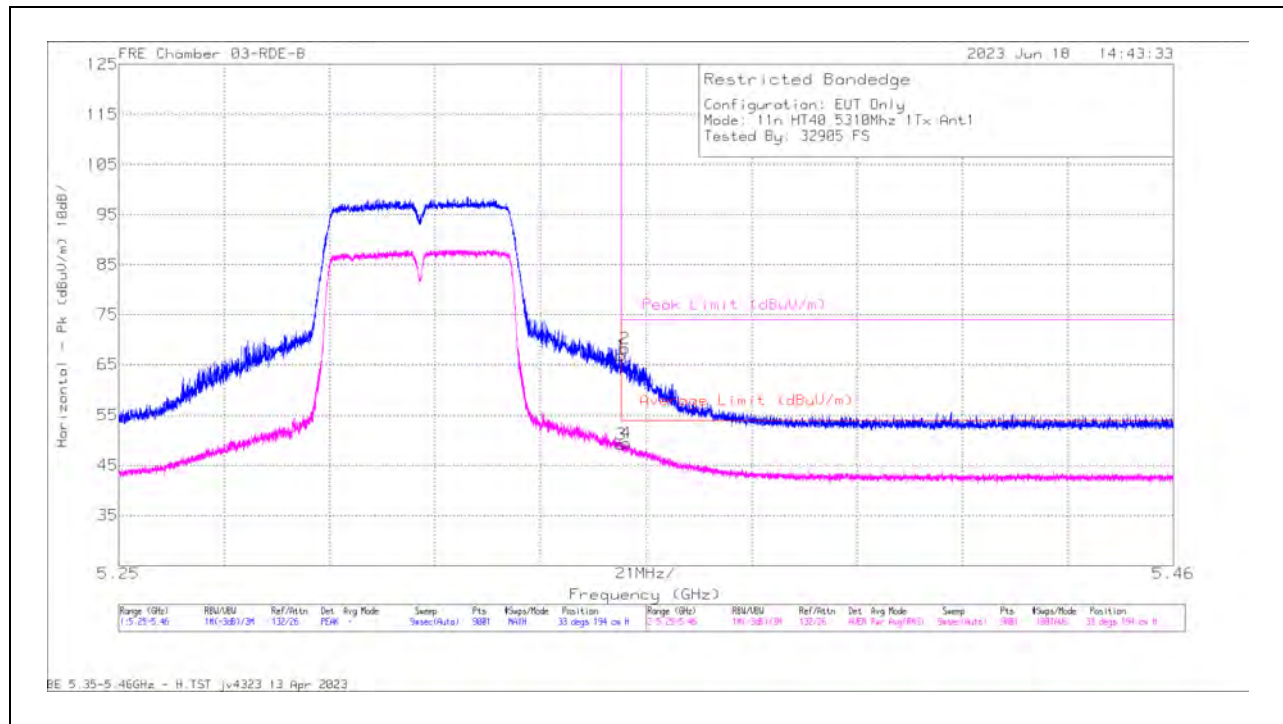
Range (GHz) BW/Res Ref/Attn Det Avg Mode Sweep Pts Ksigs/Mode Position

5.25-5.46 100-300000 120dB Peak 119 MHz 200 Hz 11

BE 5.35-5.46GHz - U-TST jv4223 13 Apr 2023

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	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	* 5.35	64.82	Pk	34.4	0	-39.6	59.62	-	-	74	-14.38	119	285	V
2	* 5.350015	67.85	Pk	34.4	0	-39.6	62.65	-	-	74	-11.35	119	285	V
3	* 5.35	49.54	RMS	34.4	.68	-39.6	45.02	54	-9.98	-	-	119	285	V
4	* 5.352875	50.71	RMS	34.4	.68	-39.69	46.10	54	-7.90	-	-	119	285	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	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	72.05	Pk	34.4	0	-39.6	66.85	-	-	74	-7.15	33	194	H
2	* 5.350775	73.45	Pk	34.4	0	-39.6	68.25	-	-	74	-5.75	33	194	H
3	* 5.35	54.29	RMS	34.4	.68	-39.6	49.74	54	-4.26	-	-	33	194	H
4	* 5.351102	54.5	RMS	34.4	.68	-39.6	49.98	54	-4.02	-	-	33	194	H

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

Pk - Peak detector

RMS - RMS detection

FRE Chamber 03-RDE-B

2023 Jun 18 14:33:36

Vertical - Pk (dBuV/m) 10dB/

Restricted Bandedge
Configuration: EUT Only
Mode: 11n HT40 5310Mhz ITx Ant!
Tested By: 32905 FS

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

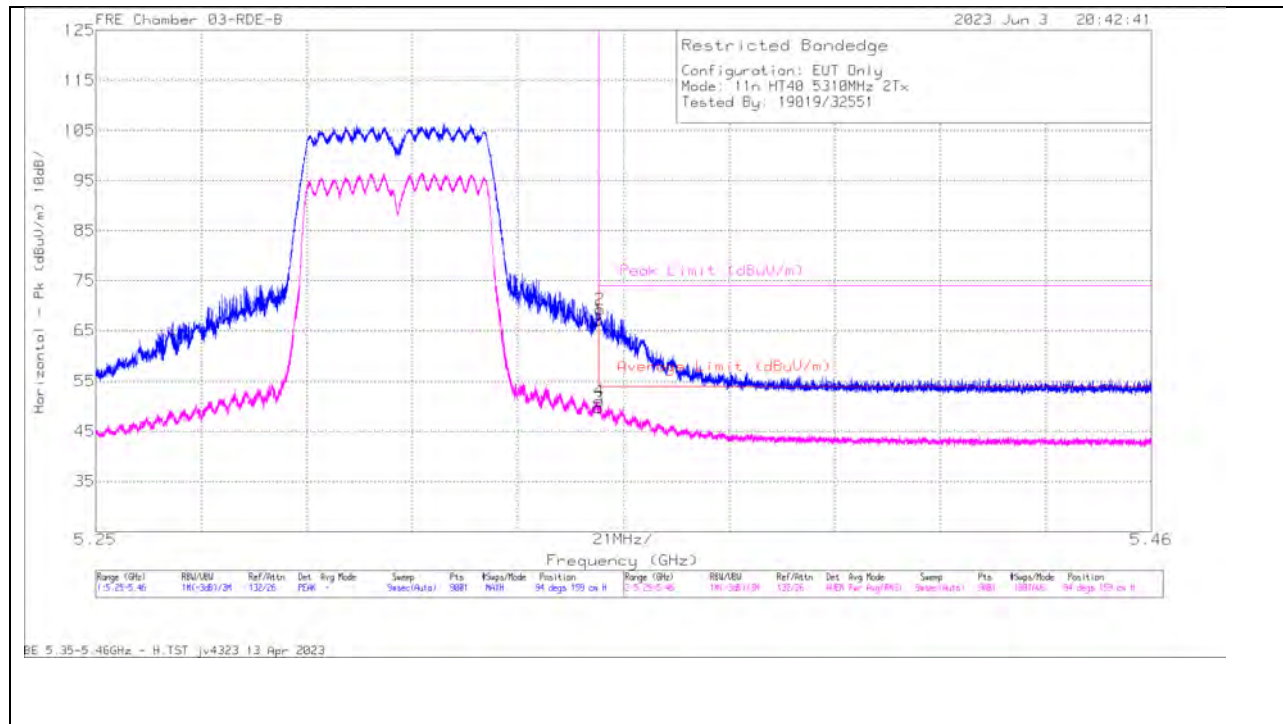
21MHz/
Frequency (GHz)

Range (GHz)	RW/RB	Ref/Antn	Det	Sweep Mode	Sweep	Pts	KHzs/Mode	Position	Range (GHz)	RW/RB	Ref/Antn	Det	Sweep Mode	Sweep	Pts	KHzs/Mode	Position
5.35-5.46	11n-5310M	120DB	FSK		Clear/Modulated	5381	NAI	53.3 steps, 200 Hz U	5.35-5.46	11n-5310M	120DB	FSK	Clear/Modulated	5381	NAI	53.3 steps, 200 Hz U	

BE 5.35-5.46GHz - U-TST jv4323 13 Apr 2023

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	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	* 5.35	70.22	PK	34.4	0	-39.6	65.02	-	-	74	-8.98	313	208	V
2	* 5.350775	73.94	PK	34.4	0	-39.6	68.74	-	-	74	-5.26	313	208	V
3	* 5.35	53.68	RMS	34.4	.68	-39.6	49.16	54	-4.84	-	-	313	208	V
4	* 5.350705	54.62	RMS	34.4	.68	-39.6	50.10	54	-3.90	-	-	313	208	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	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	72.37	PK	34.4	0	-39.6	67.17	-	-	74	-6.83	94	159	H
2	* 5.350332	74.41	PK	34.4	0	-39.6	69.21	-	-	74	-4.79	94	159	H
3	* 5.35	54.73	RMS	34.4	.68	-39.6	50.21	54	-3.79	-	-	94	159	H
4	* 5.350192	56.13	RMS	34.4	.68	-39.6	51.61	54	-2.39	-	-	94	159	H

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

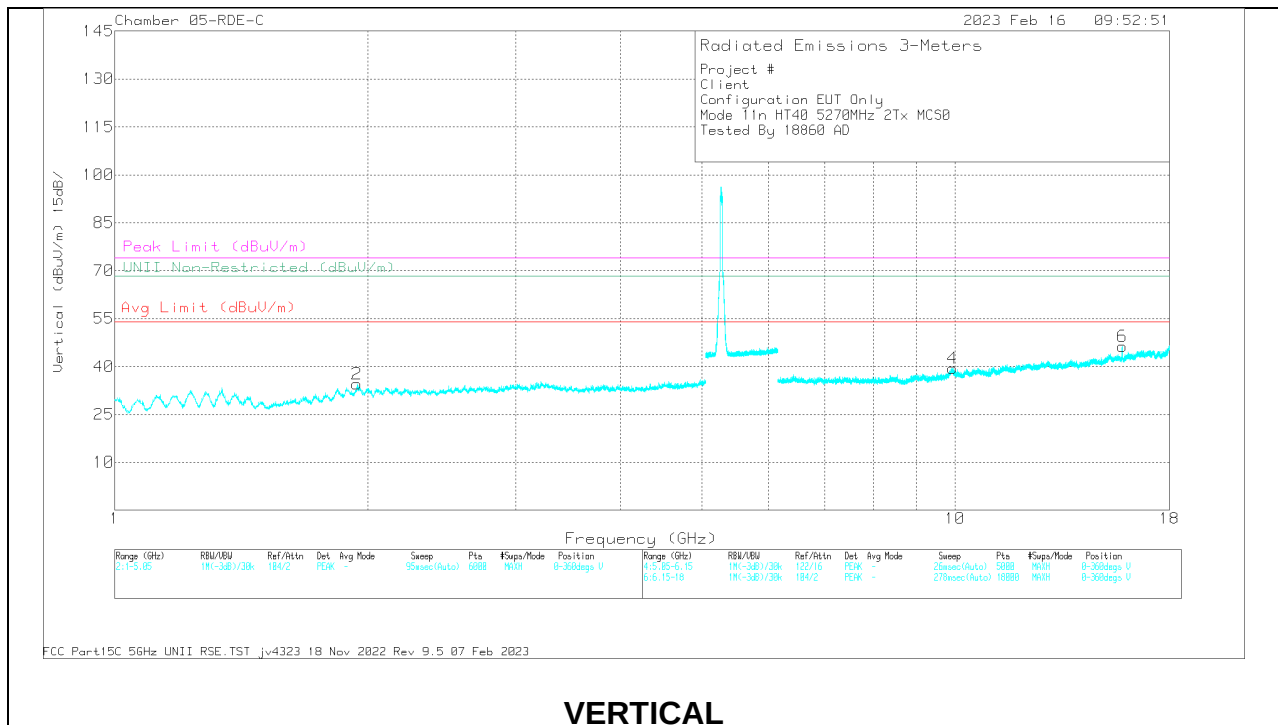
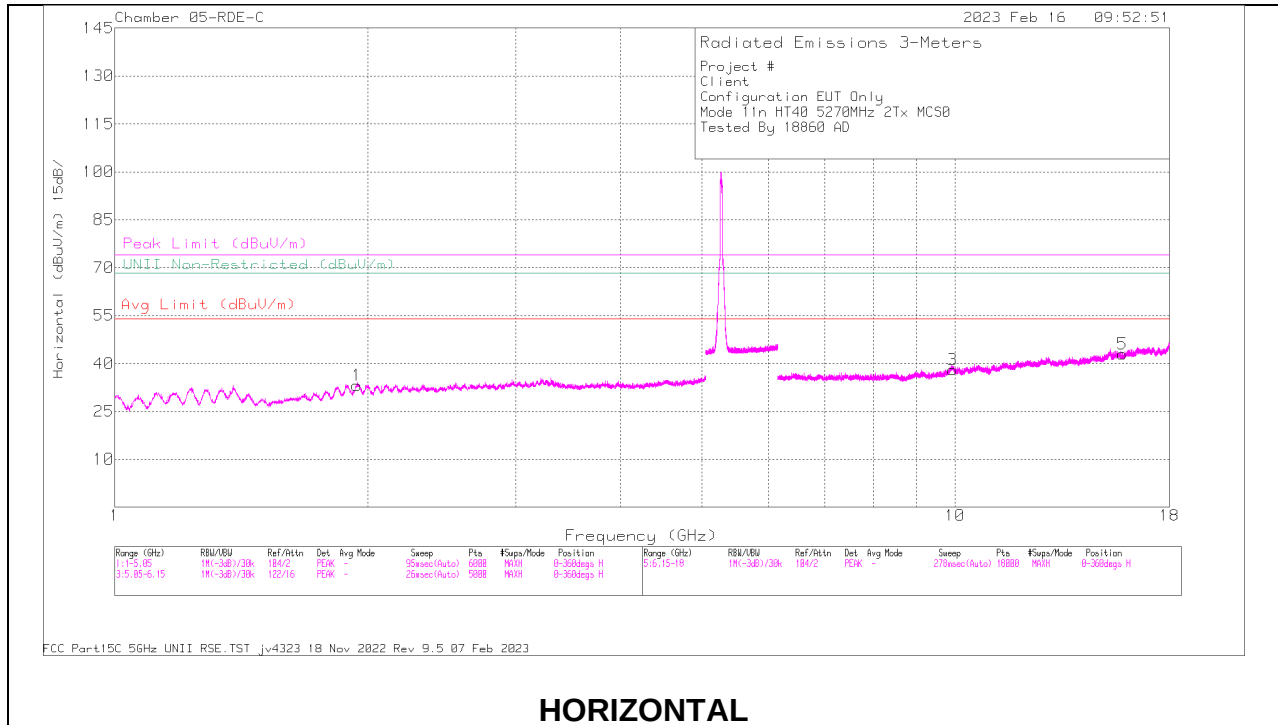
PK - Peak detector

RMS - RMS detection

[illegible]

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	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	* 5.35	71.46	Pk	34.4	0	-39.6	66.26	-	-	74	-7.74	183	167	V
2	* 5.352269	72.43	Pk	34.4	0	-39.63	67.2	-	-	74	-6.9	183	167	V
3	* 5.35	52.93	RMS	34.4	.68	-39.6	48.41	54	-5.59	-	-	183	167	V
4	* 5.352689	54.21	RMS	34.4	.68	-39.67	49.62	54	-4.38	-	-	183	167	V

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

1.2.19. 5.3GHz Band HT40 2TX HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

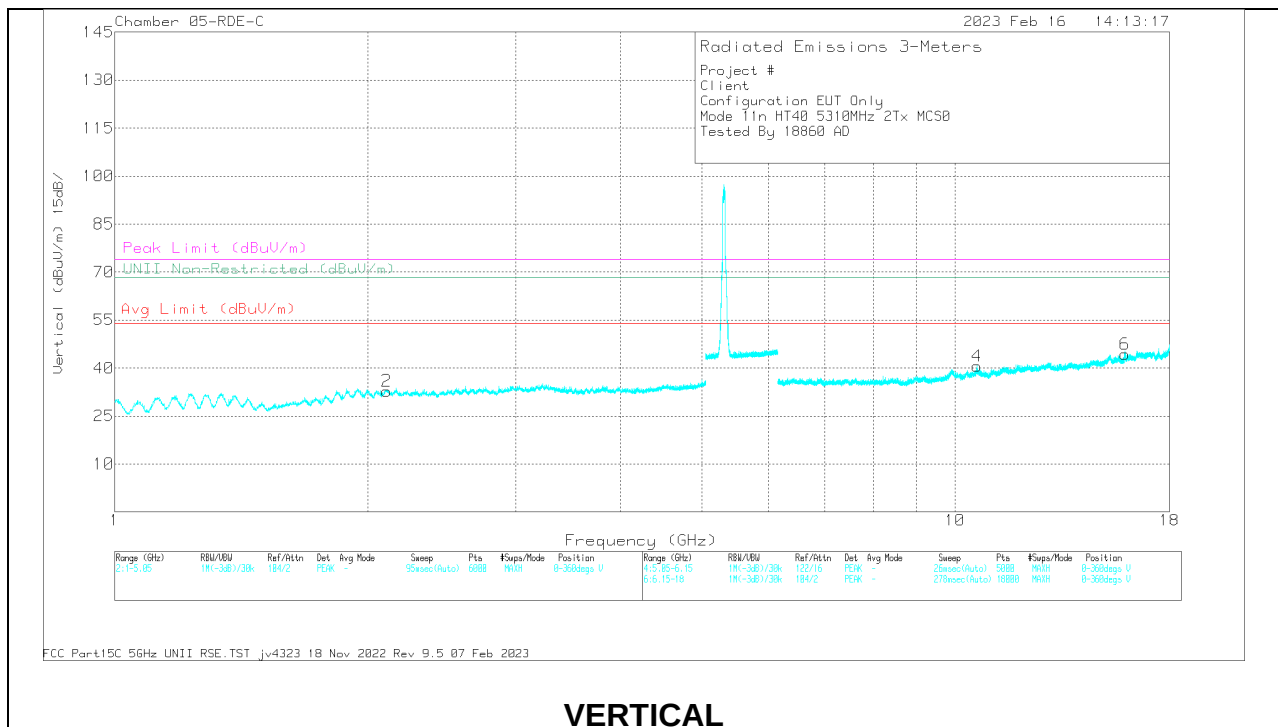
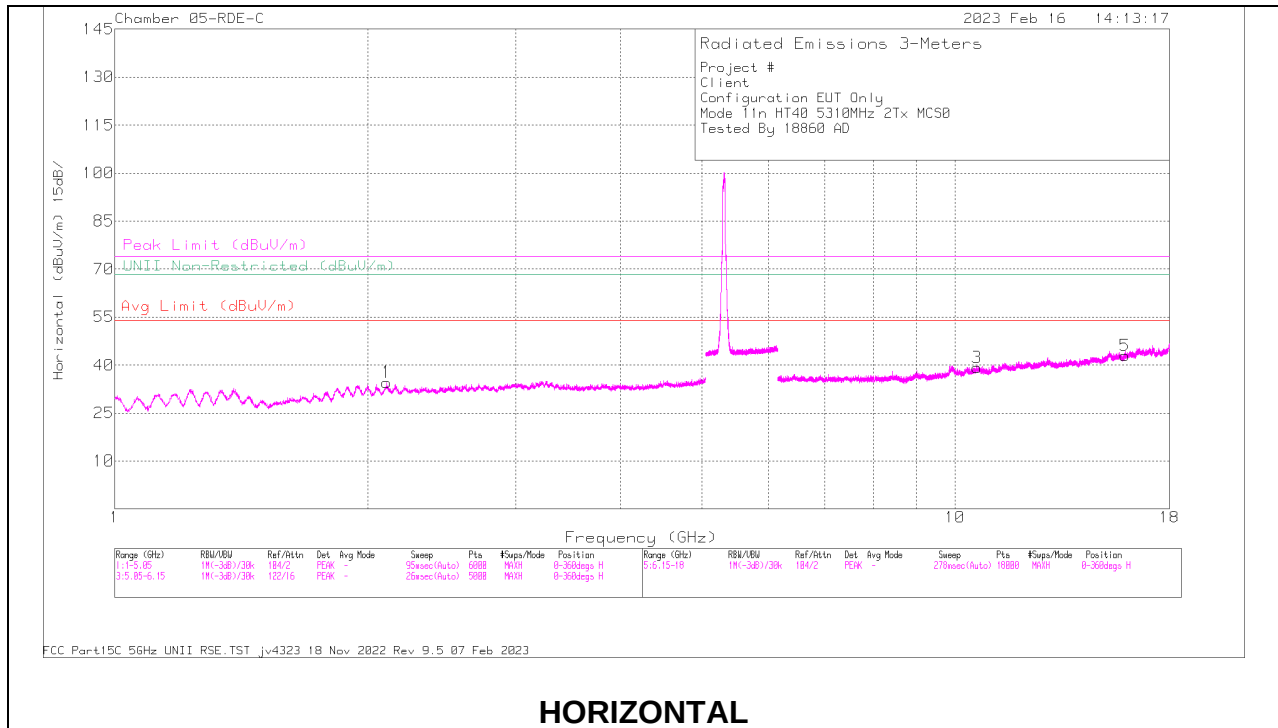
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	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
1	1.941014	62.6	PK-U	31.8	0	-50.45	43.95	-	-	-	-	68.2	-24.25	245	125	H
2	1.944608	62.67	PK-U	31.8	0	-50.38	44.09	-	-	-	-	68.2	-24.11	154	329	V
4	9.932364	59.39	PK-U	37.3	0	-47.2	49.49	-	-	-	-	68.2	-18.71	279	301	V
3	9.934212	59.44	PK-U	37.4	0	-47.23	49.61	-	-	-	-	68.2	-18.59	53	158	H
6	15.818276	60.02	PK-U	40.8	0	-44.66	56.16	-	-	74	-17.84	-	-	285	104	V
	15.819888	48.51	ADR	40.8	.09	-44.66	44.74	54	-9.26	-	-	-	-	285	104	V
5	15.82274	57.31	PK-U	40.8	0	-44.66	53.45	-	-	74	-20.55	-	-	262	150	H
	15.822626	45.43	ADR	40.8	.09	-44.66	41.66	54	-12.34	-	-	-	-	262	150	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

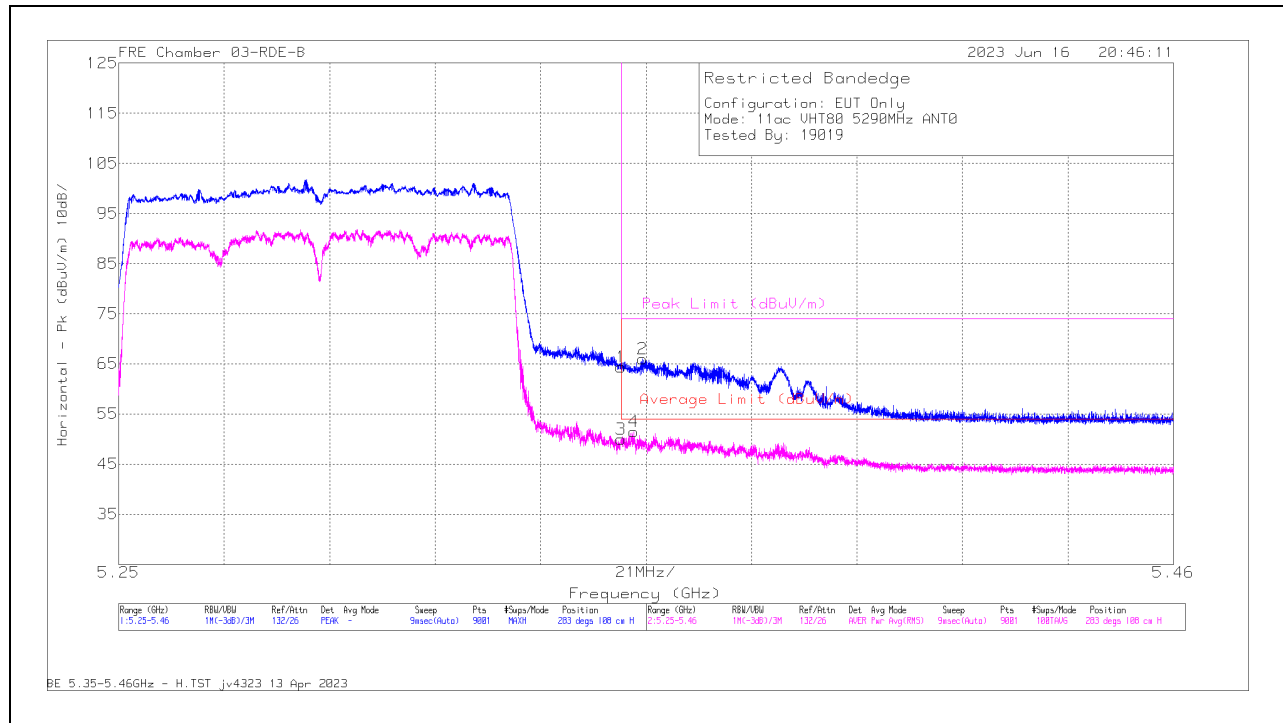
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	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
1	2.10326	62.76	PK-U	32	0	-50.64	44.12	-	-	-	-	68.2	-24.08	239	319	H
2	2.106038	62.23	PK-U	31.9	0	-50.55	43.58	-	-	-	-	68.2	-24.62	12	198	V
4	10.615371	58.7	PK-U	37.8	0	-46.69	49.81	-	-	74	-24.19	-	-	30	395	V
	10.618963	46.6	ADR	37.8	.09	-46.7	37.79	-	-16.21	-	-	-	-	30	395	V
3	10.615647	58.5	PK-U	37.8	0	-46.69	49.61	-	-	74	-24.39	-	-	174	362	H
	10.615709	46.66	ADR	37.8	.09	-46.69	37.86	54	-16.14	-	-	-	-	174	362	H
5	15.924168	56.89	PK-U	40.9	0	-44.56	53.23	-	-	74	-20.77	-	-	162	151	H
	15.925605	45.38	ADR	40.9	.09	-44.56	41.81	54	-12.19	-	-	-	-	162	151	H
6	15.926841	59.91	PK-U	40.9	0	-44.55	56.26	-	-	74	-17.74	-	-	280	103	V
	15.92726	47.83	ADR	40.9	.09	-44.55	44.27	54	-9.73	-	-	-	-	280	103	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

1.2.20. 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)	Correct ed Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	69.61	Pk	34.4	0	-39.6	64.41	-	-	74	-9.59	283	108	H
2	* 5.354275	71.23	Pk	34.4	0	-39.67	65.96	-	-	74	-8.04	283	108	H
3	* 5.35	53.95	RMS	34.4	1.39	-39.6	50.14	54	-3.86	-	-	283	108	H
4	* 5.352549	55.5	RMS	34.4	1.39	-39.65	51.64	54	-2.36	-	-	283	108	H

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

PK - Peak detector

RMS - RMS detection

FRE Chamber 03-RDE-B

2023 Jun 16 20:54:30

Restricted Bondedge
Configuration: EUT Only
Mode: 110c UHT80 5290MHz ANT0
Tested By: 19819

Vertical - Pk (dBuV/m) 18dB/

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

21MHz/

Frequency (GHz)

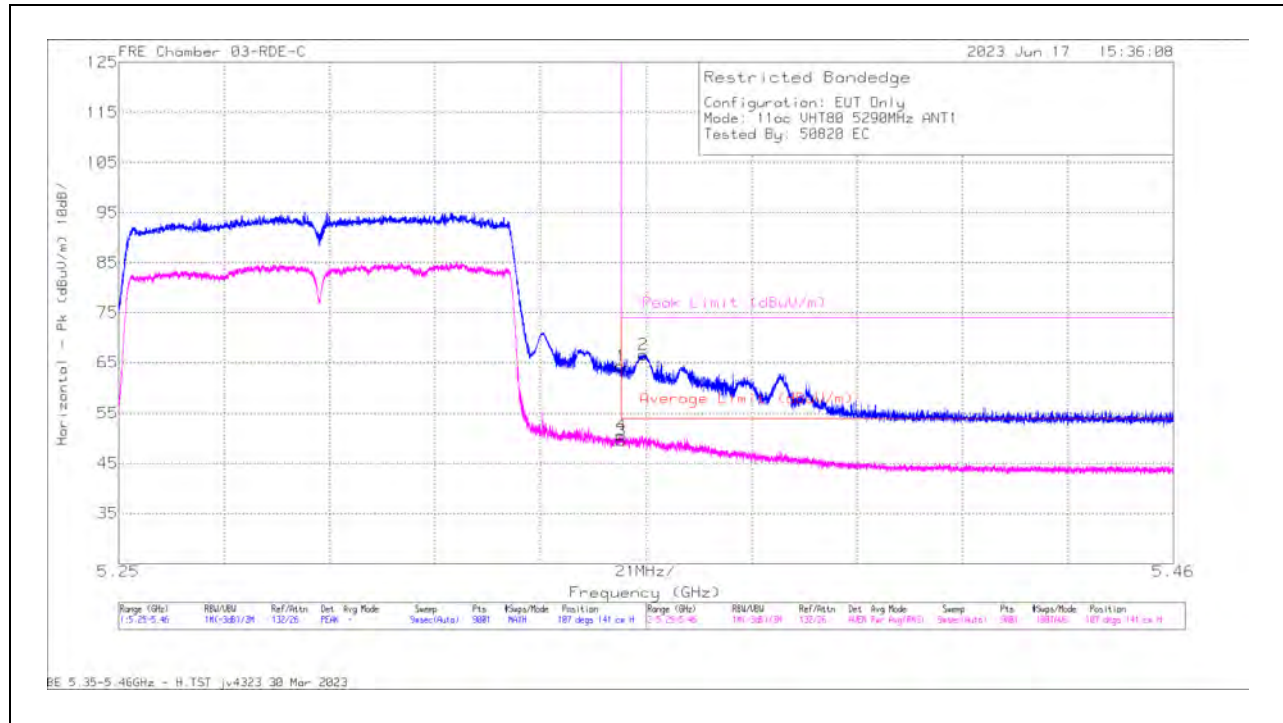
5.25 5.46

Range (GHz)	RBW/MBW	Ref/Attn	Det	Avg Mode	Sweep	Pos	Flags/Mode	Position	Range (GHz)	RBW/MBW	Ref/Attn	Det	Avg Mode	Sweep	Pos	Flags/Mode	Position
5.25-5.46	100-30000	130dB	PK	AVG	200kHz	0dB	AVG	02.1MHz 100dB	5.25-5.46	100-30000	130dB	PK	AVG	200kHz	0dB	AVG	02.1MHz 100dB

EE 5.35-5.46GHz - U.TST jv4323 13 Apr 2023

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	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	* 5.35	68.67	Pk	34.4	0	-39.6	63.47	-	-	74	-10.53	222	121	V
2	* 5.356188	70.42	Pk	34.4	0	-39.6	65.22	-	-	74	-8.78	222	121	V
3	* 5.36	51.99	RMS	34.4	1.39	-39.6	48.18	54	-5.82	-	-	222	121	V
4	* 5.360085	54.32	RMS	34.4	1.39	-39.6	50.50	54	-3.50	-	-	222	121	V

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

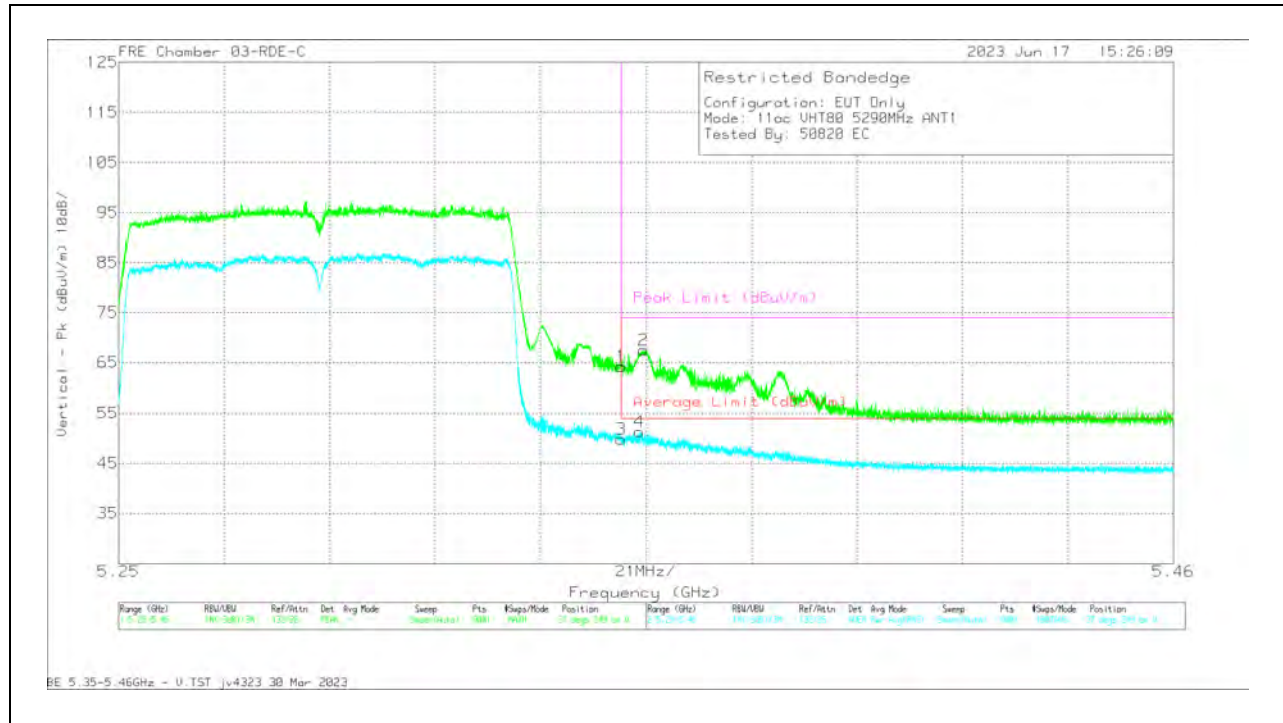
1TX Antenna 5**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	67.86	Pk	34.5	0	-38	64.36	-	-	74	-9.64	107	141	H
2	* 5.354392	70.2	Pk	34.5	0	-38.06	66.64	-	-	74	-7.36	107	141	H
3	* 5.35	52.59	RMS	34.5	1.39	-38	50.48	54	-3.52	-	-	107	141	H
4	* 5.350099	53.68	RMS	34.5	1.39	-38	51.57	54	2.43	-	-	107	141	H

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

Pk - Peak detector

RMS - RMS detection

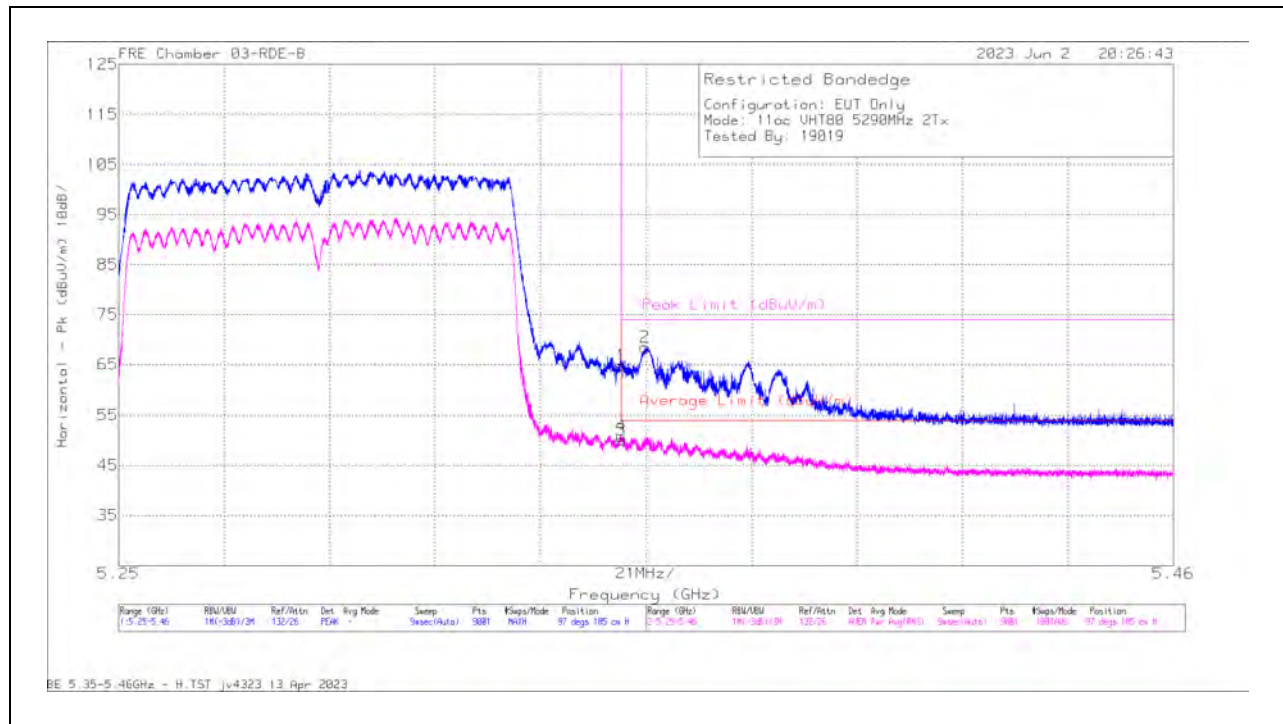
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (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	67.69	Pk	34.5	0	-38	64.19	-	-	74	-9.81	37	249	V
2	* 5.354415	71.04	Pk	34.5	0	-38.06	67.48	-	-	74	-6.52	37	249	V
3	* 5.35	52.89	RMS	34.5	1.39	-38	50.78	54	-3.22	-	-	37	249	V
4	* 5.353739	54.43	RMS	34.5	1.39	-38.07	52.27	54	-1.73	-	-	37	249	V

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

Pk - Peak detector

RMS - RMS detection

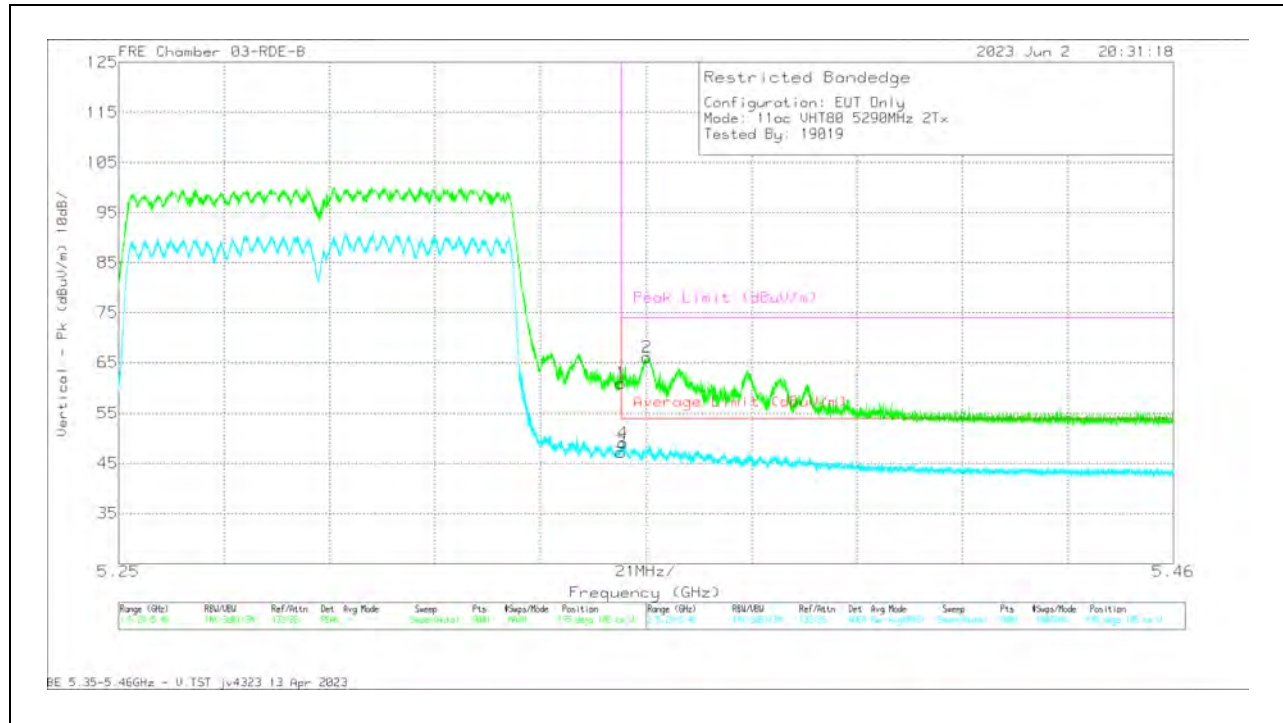
2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	70.05	Pk	34.4	0	-39.6	64.85	-	-	74	-9.15	97	185	H
2	* 5.354765	73.66	Pk	34.4	0	-39.62	68.44	-	-	74	-5.56	97	185	H
3	* 5.35	54.87	RMS	34.4	1.39	-39.6	51.06	54	-2.94	-	-	97	185	H
4	* 5.350029	55.56	RMS	34.4	1.39	-39.6	51.76	54	-2.24	-	-	97	185	H

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

Pk - Peak detector

RMS - RMS detection

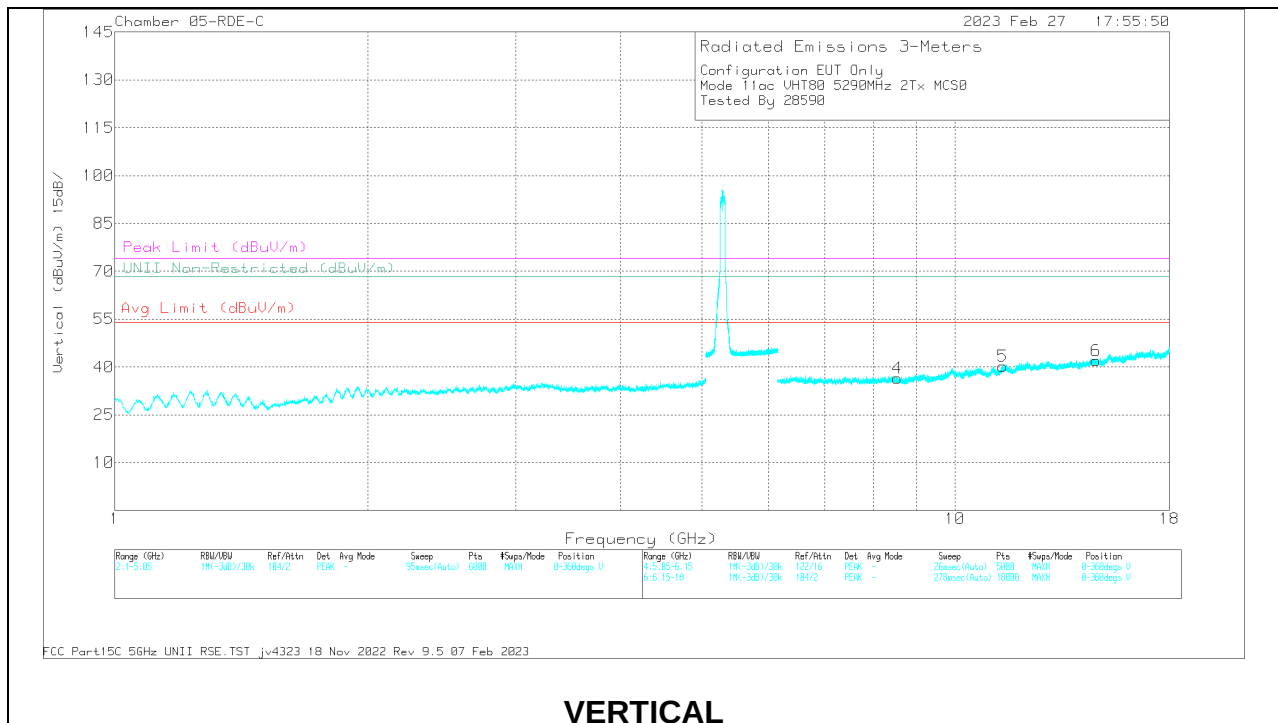
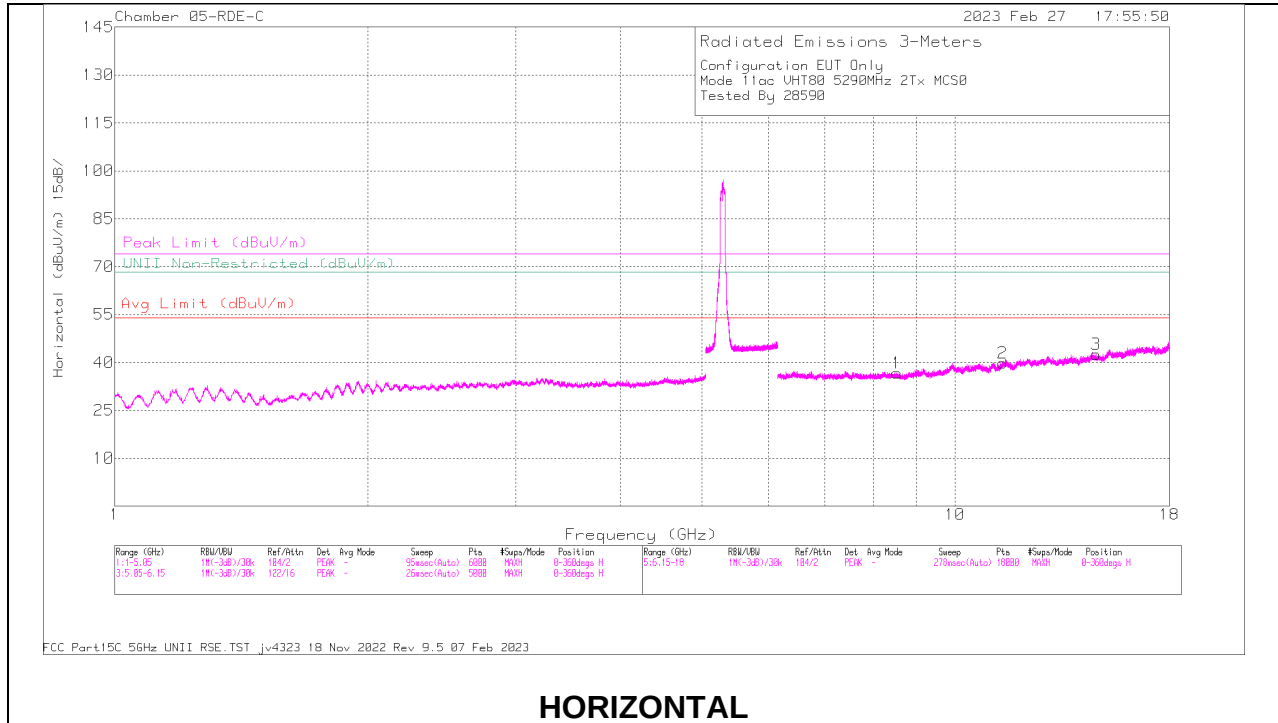
VERTICAL RESULT

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	66.15	Pk	34.4	0	-39.6	60.95	-	-	74	-13.05	195	185	V
2	* 5.355209	71.33	Pk	34.4	0	-39.6	66.13	-	-	74	-7.87	195	185	V
3	* 5.35	51.99	RMS	34.4	1.39	-39.6	48.18	54	-5.82	-	-	195	185	V
4	* 5.350425	53.8	RMS	34.4	1.39	-39.6	49.99	54	-4.01	-	-	195	185	V

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

Pk - Peak detector

RMS - RMS detection

1.2.21. 5.3GHz Band, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS**MID CHANNEL RESULTS (5290MHz)**

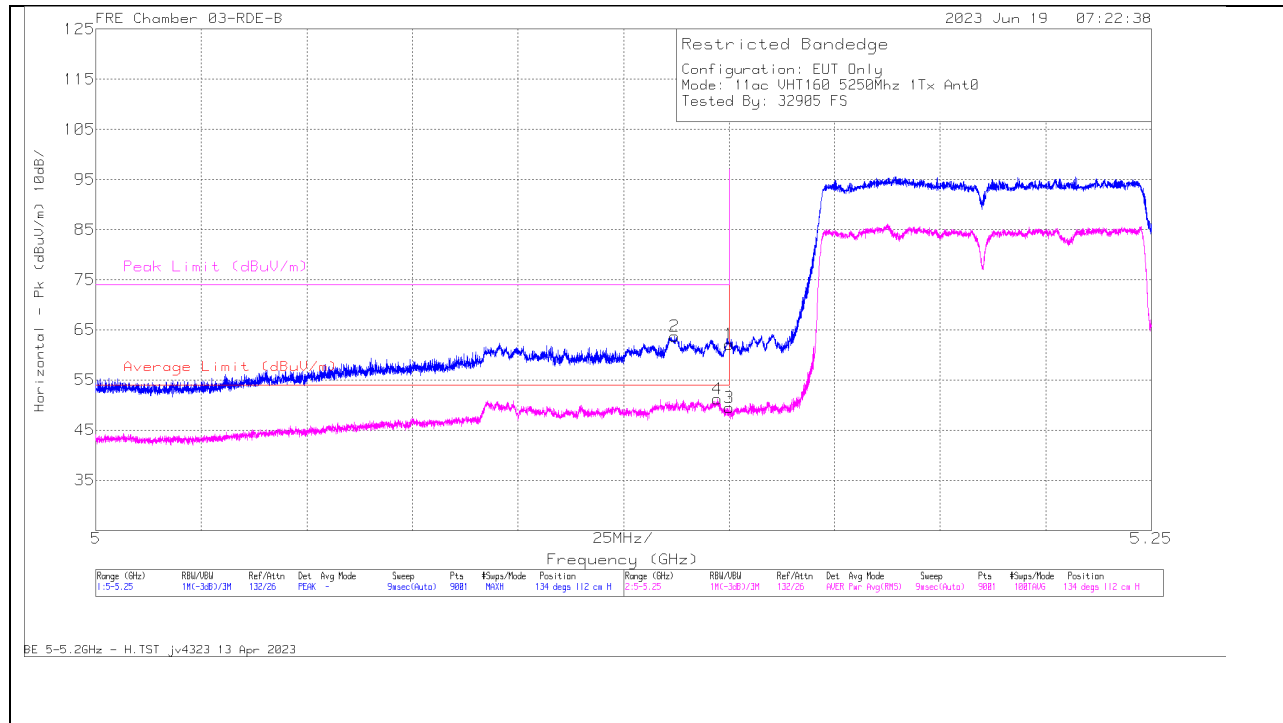
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB)	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
2	* 11.400845	56.11	PK-U	38.6	0	-45.17	49.54	-	-	74	-24.46	-	-	0	101	H
	* 11.400568	44.65	ADR	38.6	.21	-45.16	38.30	54	-15.70	-	-	-	-	0	101	H
5	* 11.389378	56.79	PK-U	38.6	0	-45.17	50.22	-	-	74	-23.78	-	-	0	101	V
	* 11.390887	44.74	ADR	38.6	.21	-45.16	38.39	54	-15.61	-	-	-	-	0	101	V
1	8.533262	44.76	ADR	35.8	.21	-45.9	35.23	-	-	-	-	-	-	0	101	H
	8.533628	56.55	PK-U	35.8	0	-45.91	46.44	-	-	-	-	68.2	-21.76	0	101	H
4	8.541093	56.17	PK-U	35.8	0	-45.93	46.04	-	-	-	-	68.2	-22.16	0	198	V
6	14.733143	56.78	PK-U	40.2	0	-45.58	51.4	-	-	-	-	68.2	-16.8	0	101	V
3	14.733696	56.86	PK-U	40.2	0	-45.57	51.49	-	-	-	-	68.2	-16.71	0	198	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

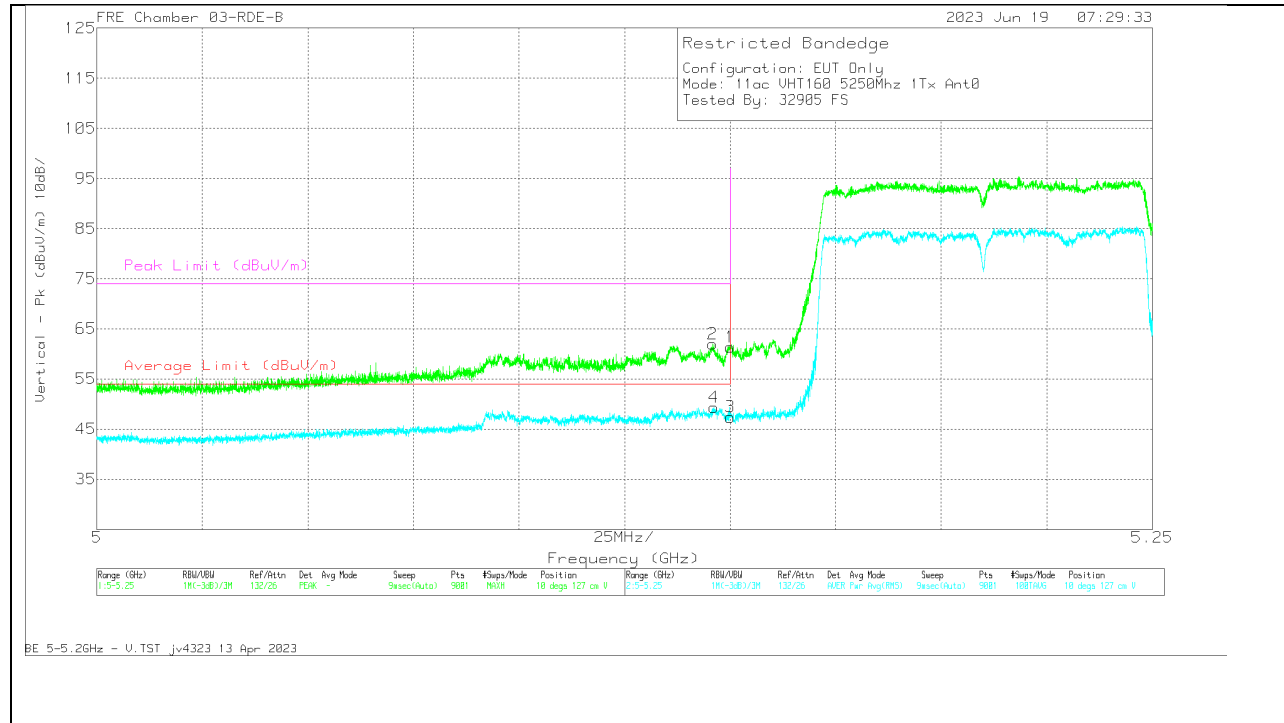
1.2.22. TX ABOVE 1 GHz 802.11ac VHT160 MODE IN THE 5.3 GHz BAND**1TX Antenna 6****BANDEDGE (MID CHANNEL LOW EDGE)****HORIZONTAL RESULT**

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	67.71	PK	34.3	0	-39.9	62.11	-	-	74	-11.89	134	112	H
2	* 5.13714	69.48	PK	34.3	0	-40	63.78	-	-	74	-10.22	134	112	H
3	* 5.15	54.35	RMS	34.3	.69	-39.9	49.44	54	-4.56	-	-	134	112	H
4	* 5.14714	56.08	RMS	34.3	.69	-39.9	51.17	54	-2.83	-	-	134	112	H

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

PK - Peak detector

RMS - RMS detection

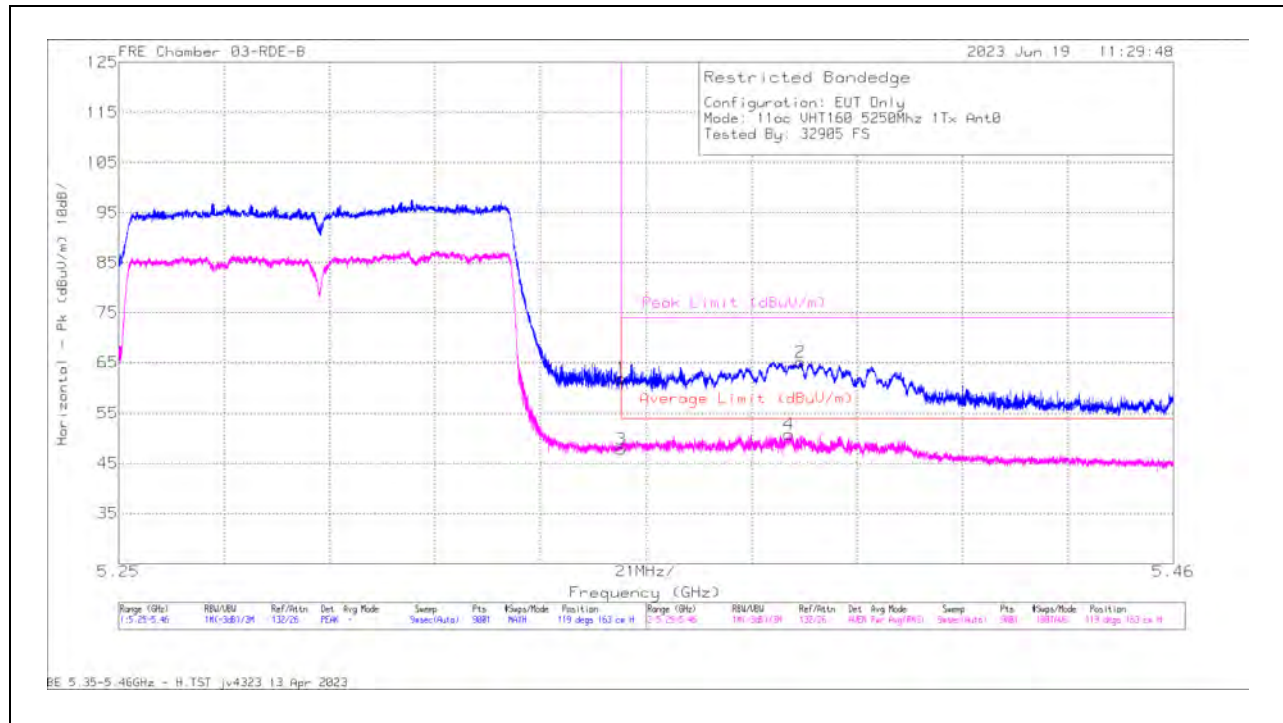
VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	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	66.99	Pk	34.3	0	-39.9	61.39	-	-	74	-12.61	10	127	V
2	* 5.145918	67.72	Pk	34.3	0	-40	62.02	-	-	74	-11.98	10	127	V
3	* 5.15	52.28	RMS	34.3	.69	-39.9	47.37	54	-6.63	-	-	10	127	V
4	* 5.146168	54.33	RMS	34.3	.69	-39.98	49.34	54	-4.66	-	-	10	127	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (MID CHANNEL HIGH EDGE)**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	67.13	Pk	34.4	0	-39.6	61.93	-	-	74	-12.07	119	163	H
2	* 5.385705	70.28	Pk	34.4	0	-39.56	65.12	-	-	74	-8.88	119	163	H
3	* 5.35	52.31	RMS	34.4	.69	-39.6	47.80	54	-6.20	-	-	119	163	H
4	* 5.383441	55.29	RMS	34.4	.69	-39.56	50.82	54	-3.18	-	-	119	163	H

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

Pk - Peak detector

RMS - RMS detection

Vertical - Pk (dBuV/m) 10dB/

Frequency (GHz)

21MHz/

5.25 5.46

Restricted Bondedge
Configuration: EUT Only
Mode: 110c UHT160 5250MHz 1Tx Ant0
Tested By: 32905 FS

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

2

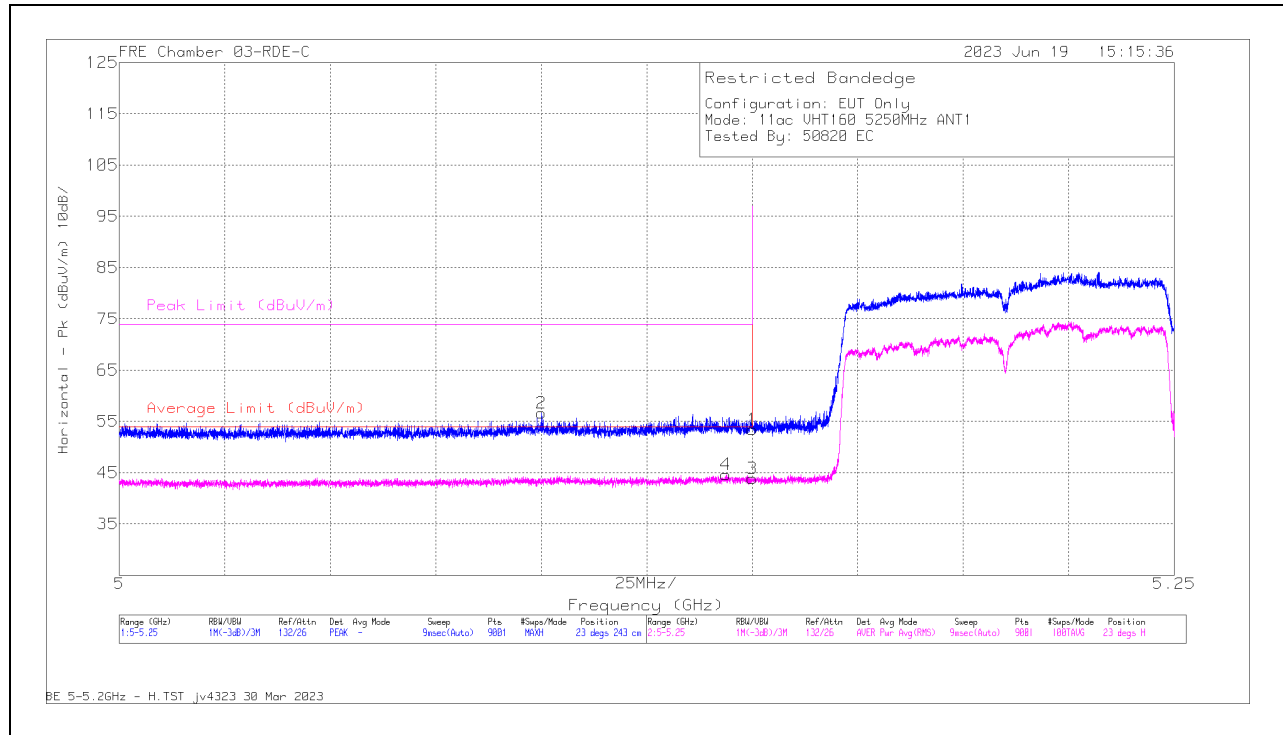
3

4

5.35-5.46GHz - U.TST jv4323 13 Apr 2023

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	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	* 5.35	66.51	Pk	34.4	0	-39.6	61.31	-	-	74	-12.69	220	106	V
2	* 5.387525	70.4	Pk	34.4	0	-39.55	65.25	-	-	74	-8.75	220	106	V
3	* 5.35	51.94	RMS	34.4	.69	-39.6	54.3	54	-6.57	-	-	220	106	V
4	* 5.379615	55.4	RMS	34.4	.69	-39.54	50.95	54	-3.05	-	-	220	106	V

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

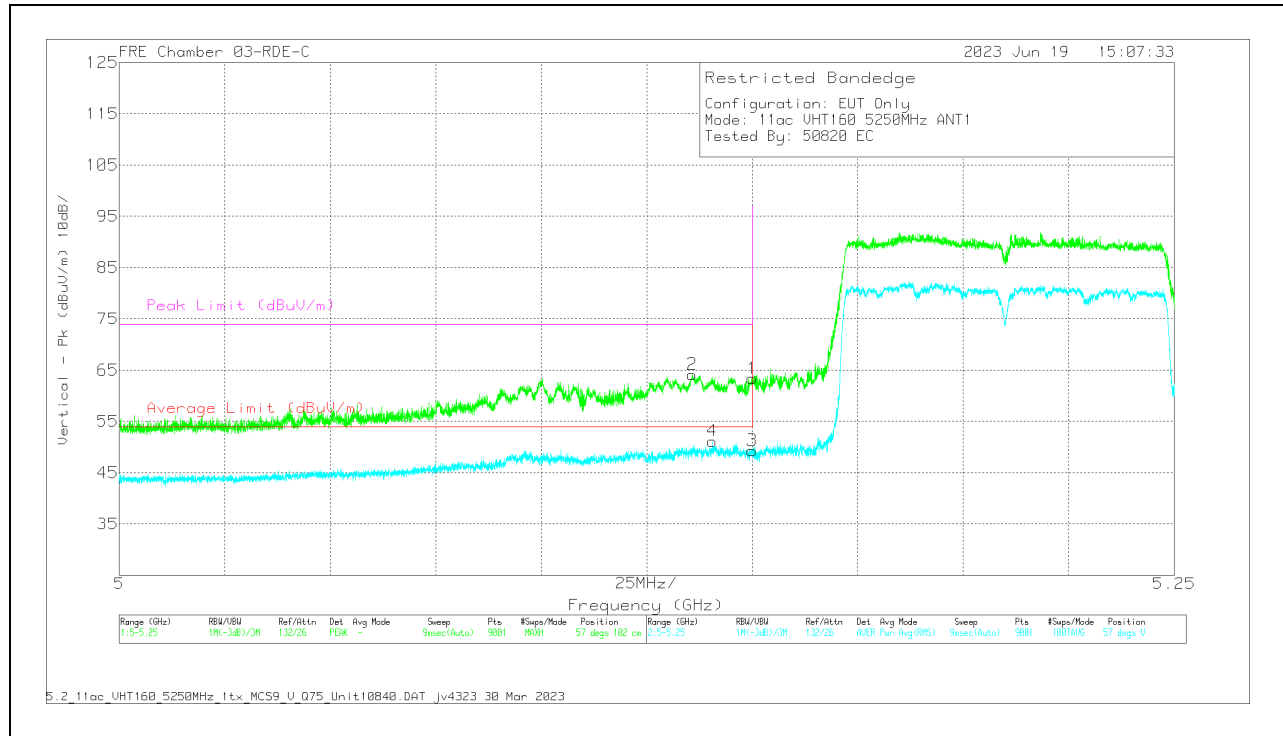
1TX Antenna 5**BANDEDGE (MID CHANNEL, LOW EDGE)****HORIZONTAL RESULT**

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	57.44	Pk	34.4	0	-38.4	53.44	-	-	74	-20.56	23	243	H
2	* 5.100084	60.8	Pk	34.3	0	-38.5	56.6	-	-	74	-17.4	23	243	H
3	* 5.15	47.16	RMS	34.4	.69	-38.4	43.85	54	-10.15	-	-	23	243	H
4	* 5.143751	48.03	RMS	34.3	.69	-38.4	44.62	54	-9.38	-	-	23	243	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	67.38	Pk	34.4	0	-38.4	63.38	-	-	74	-10.62	57	102	V
2	* 5.135723	68.31	PK	34.3	0	-38.47	64.14	-	-	74	-9.86	57	102	V
3	* 5.15	52.61	RMS	34.4	.69	-38.4	49.30	54	-4.70	-	-	57	102	V
4	* 5.140557	54.57	RMS	34.3	.69	-38.4	51.16	54	-2.84	-	-	57	102	V

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

Pk - Peak detector

RMS - RMS detection