



TEST REPORT

Report Number: 14523772-E8V2 & E9V2

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

Model : A3105 (Full Test Model)
A3106, A3108 (Variant Model)

FCC ID : BCG-E8440A (Full Test Model)
BCG-E8441A, BCG-E8442A (Variant Model)

IC : 579C-E8440A (Full Test Model)
579C-E8441A, 579C-E8442A (Variant Model)

EUT Description : SMARTPHONE

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

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	8/25/2023	Initial Issue	Tony X. Li
V2	8/30/2023	Addressed TCB Feedbacks on section 1.1	Tony X. Li

TABLE OF CONTENTS

REPORT REVISION HISTORY 2

1. RADIATED TEST RESULTS..... 5

1.1. TRANSMITTER ABOVE 1 GHz..... 9

 1.1.1. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND..... 9

 1.1.2. 5.2GHz Band, HT20 2TX HARMONICS AND SPURIOUS EMISSIONS 15

 1.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND.....21

 1.1.4. 5.2GHz Band, HT40 2TX HARMONICS AND SPURIOUS EMISSIONS27

 1.1.5. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND31

 1.1.6. 5.2GHz Band, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS37

 1.1.7. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.2GHz BAND.....39

 1.1.8. 5.2GHz 11ax, HE20 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS.....49

 1.1.9. 5.2GHz 11ax, HE20 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....57

 1.1.10. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.2GHz BAND.....63

 1.1.11. 5.2GHz 11ax, HE40 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS.....73

 1.1.12. 5.2GHz, 11ax, HE40 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....79

 1.1.13. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.2GHz BAND.....83

 1.1.14. 5.2GHz 11ax, HE80 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS.....93

 1.1.15. 5.2GHz, 11ax, HE80 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....97

 1.1.16. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND.....99

 1.1.17. 5.3GHz Band HT20, 2TX HARMONICS AND SPURIOUS EMISSIONS 105

 1.1.18. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND..... 111

 1.1.19. 5.3GHz Band HT40 2TX HARMONICS AND SPURIOUS EMISSIONS 117

 1.1.20. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.3 GHz BAND 121

 1.1.21. 5.3GHz Band, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS 127

 1.1.22. TX ABOVE 1 GHz 802.11ac VHT160 MODE IN THE 5.3 GHz BAND 129

 1.1.23. 5.3GHz Band, VHT160 2TX HARMONICS AND SPURIOUS EMISSIONS 141

 1.1.24. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.3GHz BAND..... 143

 1.1.25. 5.3GHz 11ax, HE20 2TX HARMONICS AND SPURIOUS EMISSIONS..... 151

 1.1.26. 5.3GHz, 11ax HE20 SU 2TX HARMONICS AND SPURIOUS EMISSIONS..... 161

 1.1.27. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.3GHz BAND..... 167

 1.1.28. 5.3GHz 11ax HE40 RU106 2TX, HARMONICS AND SPURIOUS EMISSIONS.175

 1.1.29. 5.3GHz, 11ax HE40 SU 2TX, HARMONICS AND SPURIOUS EMISSIONS..... 183

 1.1.30. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.3GHz BAND..... 187

 1.1.31. 5.3GHz, 11ax HE80 RU106, 2TX HARMONICS AND SPURIOUS EMISSIONS195

 1.1.32. 5.3GHz, 11ax HE80 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....201

 1.1.33. TX ABOVE 1 GHz 802.11ax HE160 MODE IN THE 5.3GHz BAND.....203

 1.1.34. 5.3GHz, 11ax HE160 RU106, 2TX HARMONICS AND SPURIOUS EMISSIONS
 219

 1.1.35. 5.3GHz, 11ax HE160 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....229

 1.1.36. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND.....231

 1.1.37. 5.6GHz, HT20 2TX HARMONICS AND SPURIOUS EMISSIONS243

 1.1.38. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND.....251

 1.1.39. 5.6GHz, HT40 2TX HARMONICS AND SPURIOUS EMISSIONS263

 1.1.40. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.6 GHz BAND271

 1.1.41. 5.6GHz, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS277

 1.1.42. TX ABOVE 1 GHz 802.11ac VHT160 MODE IN THE 5.6 GHz BAND283

 1.1.43. 5.6GHz, VHT160 2TX HARMONICS AND SPURIOUS EMISSIONS289

 1.1.44. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.6GHz BAND.....291

 1.1.45. 5.6GHz, 11ax HE20 RU106 2TX HARMONICS AND SPURIOUS EMISSIONS.309

 1.1.46. 5.6GHz, 11ax HE20 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....323

1.1.47.	TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.6GHz BAND.....	331
1.1.48.	5.6GHz, 11ax HE40 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS...	349
1.1.49.	TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.6GHz BAND.....	371
1.1.50.	5.6GHz, 11ax HE80 RU106 2TX HARMONICS AND SPURIOUS EMISSIONS.	381
1.1.51.	5.6GHz, 11ax HE80 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....	389
1.1.52.	TX ABOVE 1 GHz 802.11ax HE160 MODE IN THE 5.6GHz BAND.....	395
1.1.53.	5.6GHz, 11ax HE160 RU106 2TX HARMONICS AND SPURIOUS EMISSIONS 405	
1.1.54.	5.6GHz, 11ax HE160 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....	409
1.1.55.	TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND.....	411
1.1.56.	5.8GHz, HT20 2TX HARMONICS AND SPURIOUS EMISSIONS	423
1.1.57.	TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND.....	429
1.1.58.	5.8GHz, HT40 2TX HARMONICS AND SPURIOUS EMISSIONS	441
1.1.59.	TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND	445
1.1.60.	5.8GHz, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS	457
1.1.61.	TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.8GHz BAND.....	459
1.1.62.	5.8GHz, 11ax HE20 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS...	477
1.1.63.	5.8GHz, 11ax HE20 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....	489
1.1.64.	TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.8GHz BAND.....	495
1.1.65.	5.8GHz, 11ax HE40 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS...	513
1.1.66.	5.8GHz, 11ax HE40 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....	523
1.1.67.	TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.8GHz BAND.....	527
1.1.68.	5.8GHz, 11ax HE80 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS...	545
1.1.69.	5.8GHz, 11ax HE80 SU 2TX HARMONICS AND SPURIOUS EMISSIONS.....	553
1.2.	<i>WORST CASE BELOW 1 GHz</i>	555
1.3.	<i>WORST CASE 18-26 GHz</i>	557
1.4.	<i>WORST CASE 26-40 GHz</i>	559
2.	AC POWERLINE CONDUCTED EMISSIONS	561
2.1.	<i>AC POWER LINE WITH LAPTOP</i>	562
2.2.	<i>AC POWER LINE WITH AC/DC ADAPTER</i>	564
3.	SETUP PHOTOS	566

1. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

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

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

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

6.2.4.2 (for 5725-5850 MHz band)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz and 1.5 meters above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

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

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

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

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as report in the table) using free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

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

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

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

RESULTS

ON TIME AND DUTY CYCLE**LIMITS**

None; for reporting purposes only.

PROCEDURE

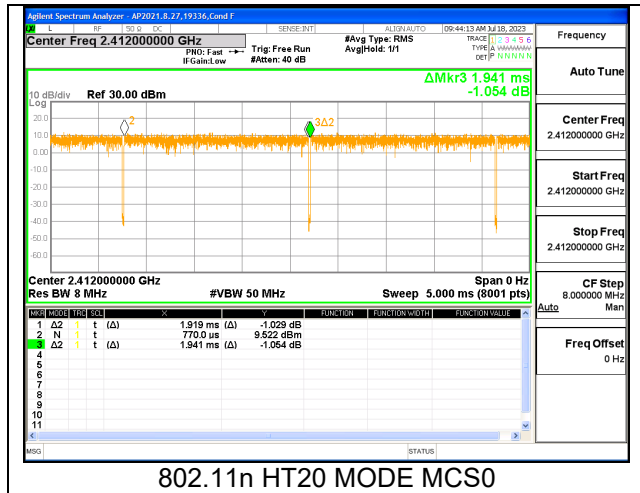
KDB 558074 Zero-Span Spectrum Analyzer Method.

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	1.941	0.989	98.92%	0.00	0.010
802.11n HT20 MCS7	0.227	0.249	0.910	91.01%	0.41	4.409
802.11n HT40 MCS0	0.944	0.965	0.977	97.74%	0.10	1.060
802.11n HT40 MCS7	0.511	0.532	0.961	96.08%	0.17	1.958
802.11ac VHT80 MCS0	0.460	0.482	0.955	95.45%	0.20	2.175
802.11ac VHT80 MCS9	0.127	0.150	0.848	84.79%	0.72	7.856
802.11ac VHT160 MCS0	0.252	0.272	0.926	92.64%	0.33	3.970
802.11ac VHT160 MCS11	0.055	0.077	0.720	72.04%	1.42	18.123
802.11ax HE20 RU26, MCS0	3.992	4.029	0.991	99.08%	0.00	0.010
802.11ax HE20 RU26, MCS11	0.292	0.330	0.886	88.61%	0.53	3.423
802.11ax HE20 RU106, MCS0	3.512	3.542	0.991	99.15%	0.00	0.010
802.11ax HE20 RU106, MCS11	0.264	0.300	0.880	87.96%	0.56	3.791
802.11ax HE40 RU26, MCS0	3.961	4.029	0.983	98.31%	0.00	0.010
802.11ax HE40 RU26, MCS11	0.293	0.328	0.892	89.23%	0.49	3.414
802.11ax HE40 RU106, MCS0	3.485	3.540	0.984	98.45%	0.00	0.010
802.11ax HE40 RU106, MCS11	0.264	0.299	0.882	88.25%	0.54	3.789
802.11ax HE80 RU26, MCS0	3.965	4.031	0.984	98.36%	0.00	0.010
802.11ax HE80 RU26, MCS11	0.293	0.330	0.889	88.93%	0.51	3.411
802.11ax HE80 RU106, MCS0	3.515	3.542	0.992	99.24%	0.00	0.010
802.11ax HE80 RU106, MCS11	0.264	0.300	0.878	87.84%	0.56	3.795
802.11ax HE160 RU26, MCS0	3.510	3.550	0.989	98.87%	0.00	0.010
802.11ax HE160 RU26, MCS11	0.292	0.328	0.888	88.85%	0.51	3.430
802.11ax HE160 RU106, MCS0	3.510	3.550	0.989	98.87%	0.00	0.010
802.11ax HE160 RU106, MCS11	0.265	0.300	0.884	88.38%	0.54	3.769

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	1.507	0.987	98.67%	0.00	0.010
802.11ax HE20 SU, MCS11	0.146	0.168	0.868	86.80%	0.61	6.846
802.11ax HE40 SU, MCS0	0.771	0.795	0.970	96.98%	0.13	1.297
802.11ax HE40 SU, MCS11	0.101	0.123	0.825	82.47%	0.84	9.871
802.11ax HE80 SU, MCS0	0.400	0.422	0.947	94.70%	0.24	2.501
802.11ax HE80 SU, MCS11	0.099	0.121	0.820	81.97%	0.86	10.087
802.11ax HE160 SU, MCS0	0.232	0.252	0.919	91.95%	0.36	4.314
802.11ax HE160 SU, MCS11	0.069	0.089	0.770	77.00%	1.13	14.547

DUTY CYCLE PLOTS



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

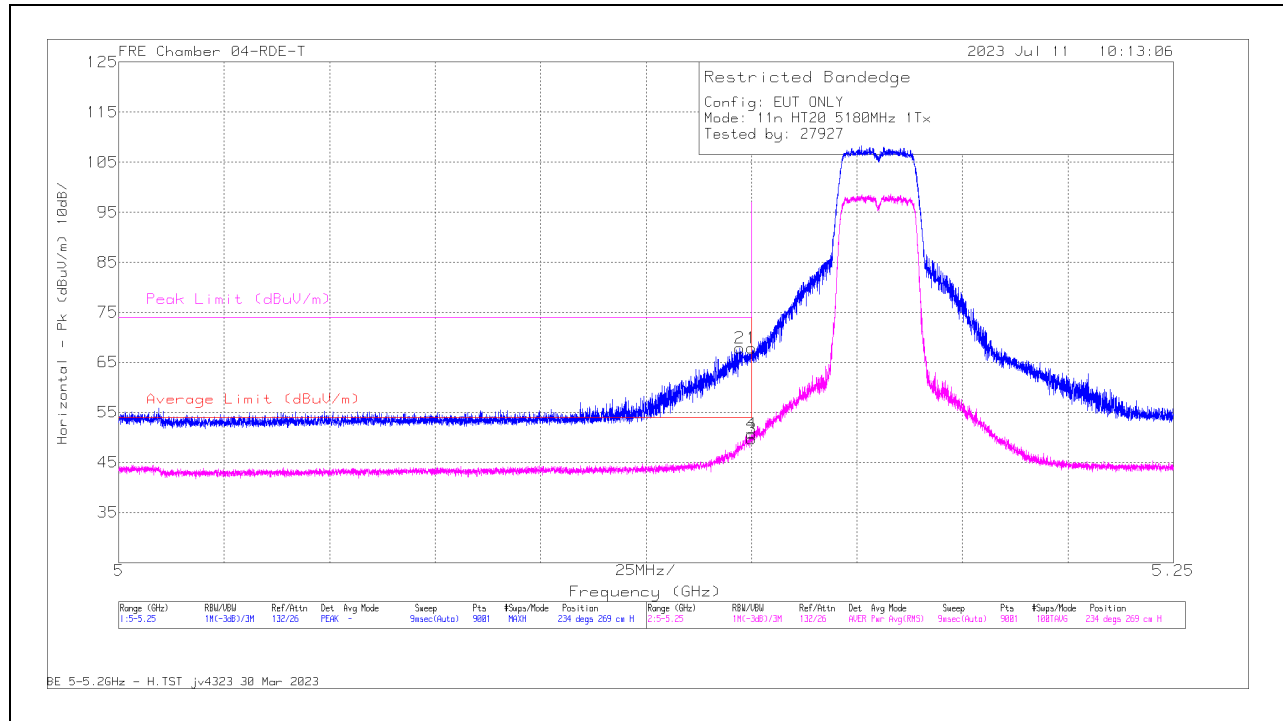
1.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

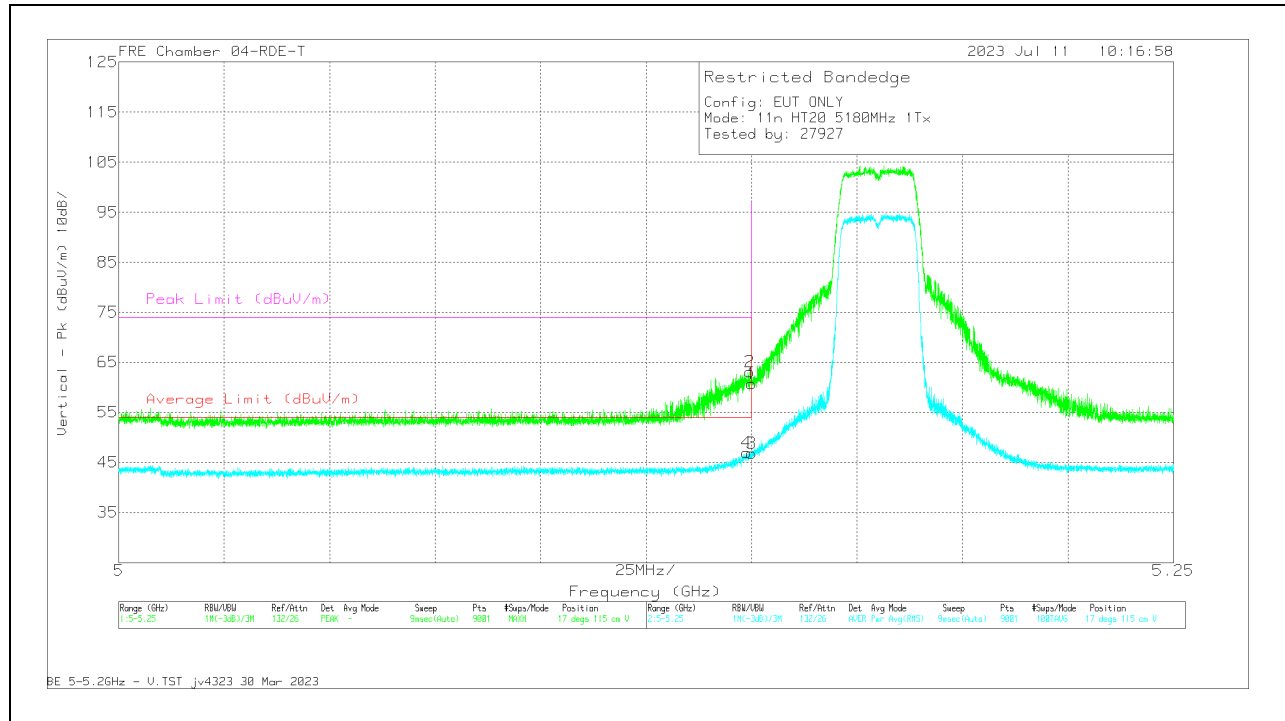


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	69.62	Pk	34.2	0	-35.9	67.92	-	-	74	-6.08	234	269	H
2	* 5.147196	69.6	Pk	34.2	0	-35.93	67.87	-	-	74	-6.13	234	269	H
3	* 5.15	51.01	RMS	34.2	.41	-35.9	49.72	54	-4.28	-	-	234	269	H
4	* 5.149973	52.01	RMS	34.2	.41	-35.9	50.72	54	-3.28	-	-	234	269	H

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

VERTICAL RESULT



Trace Markers

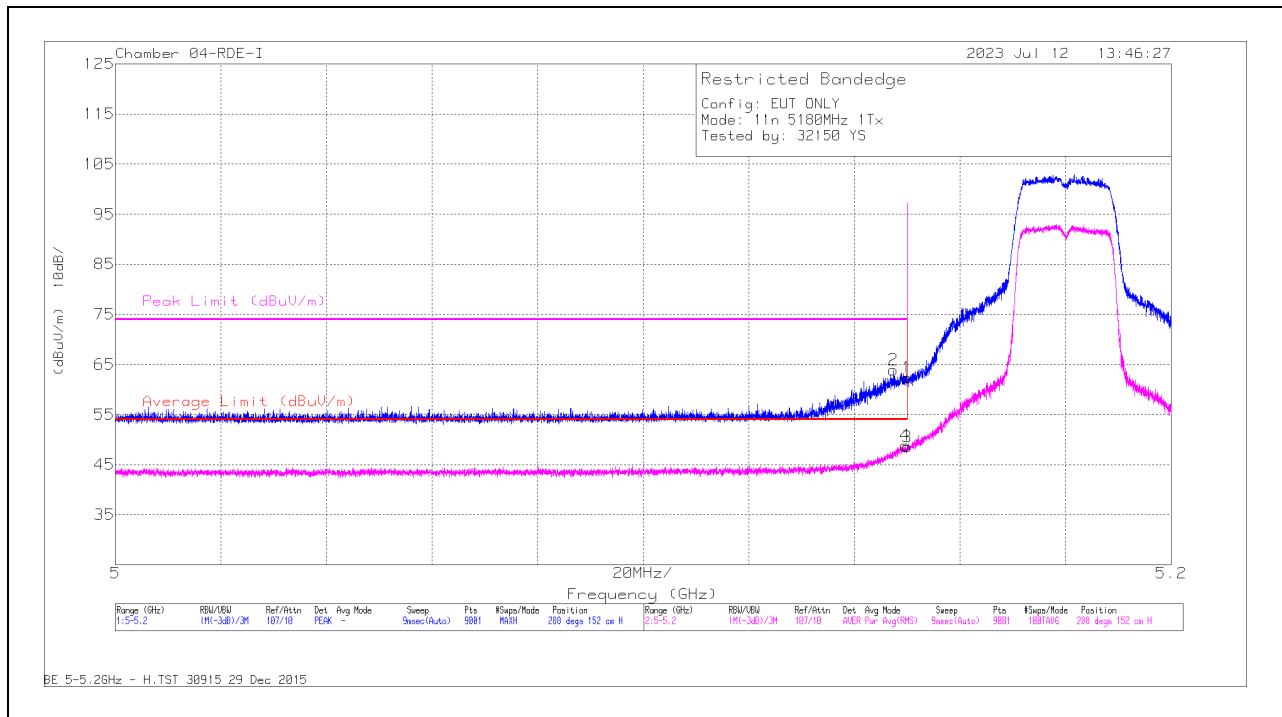
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22673 ACF (dB) 3MHz	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	62.47	Pk	34.2	0	-35.9	60.77	-	-	74	-13.23	17	115	V
2	* 5.149585	64.84	Pk	34.2	0	-35.9	63.14	-	-	74	-10.86	17	115	V
3	* 5.15	48.11	RMS	34.2	.41	-35.9	46.82	54	-7.18	-	-	17	115	V
4	* 5.148807	48.23	RMS	34.2	.41	-35.9	46.94	54	-7.06	-	-	17	115	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

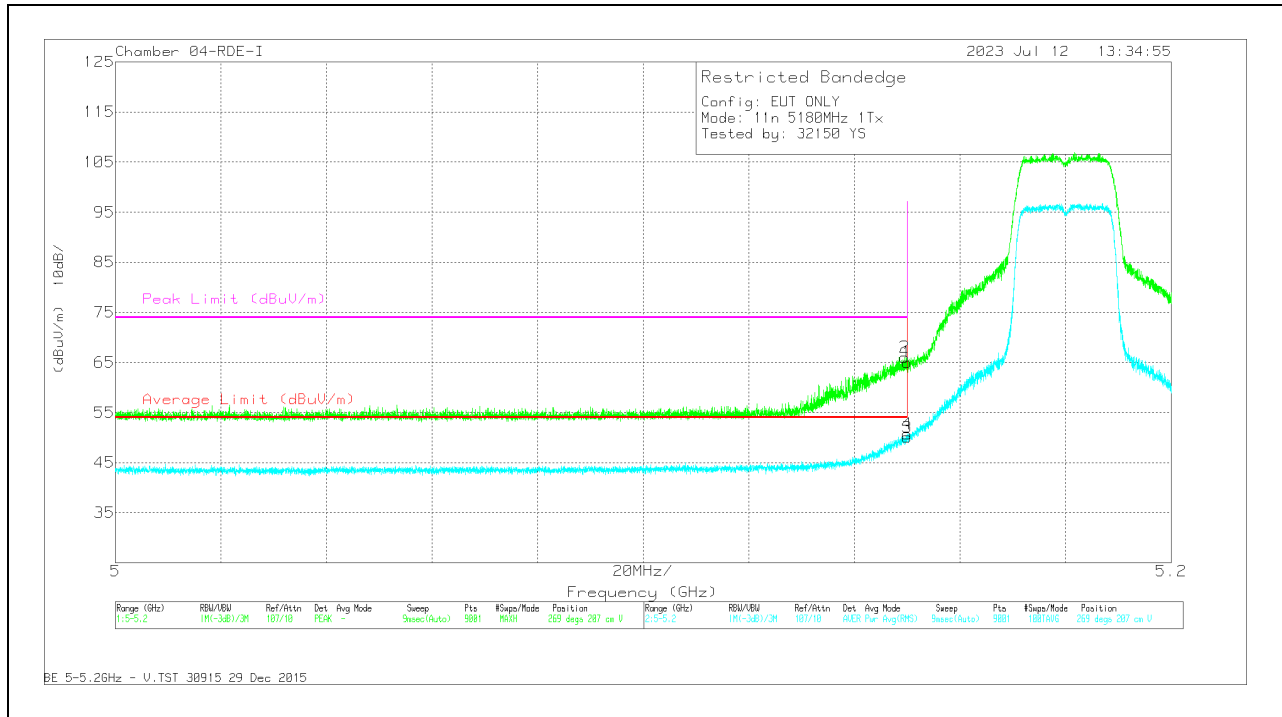


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mst	Cb/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.61	Pk	34.2	-17.4	0	62.41	-	-	74	-11.59	288	152	H
2	* 5.147376	46.98	Pk	34.2	-17.3	0	63.88	-	-	74	-10.12	288	152	H
3	* 5.15	31.53	RMS	34.2	-17.4	0.41	48.74	54	-5.26	-	-	288	152	H
4	* 5.149599	31.83	RMS	34.2	-17.4	0.41	49.04	54	-4.96	-	-	288	152	H

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

VERTICAL RESULT



Trace Markers

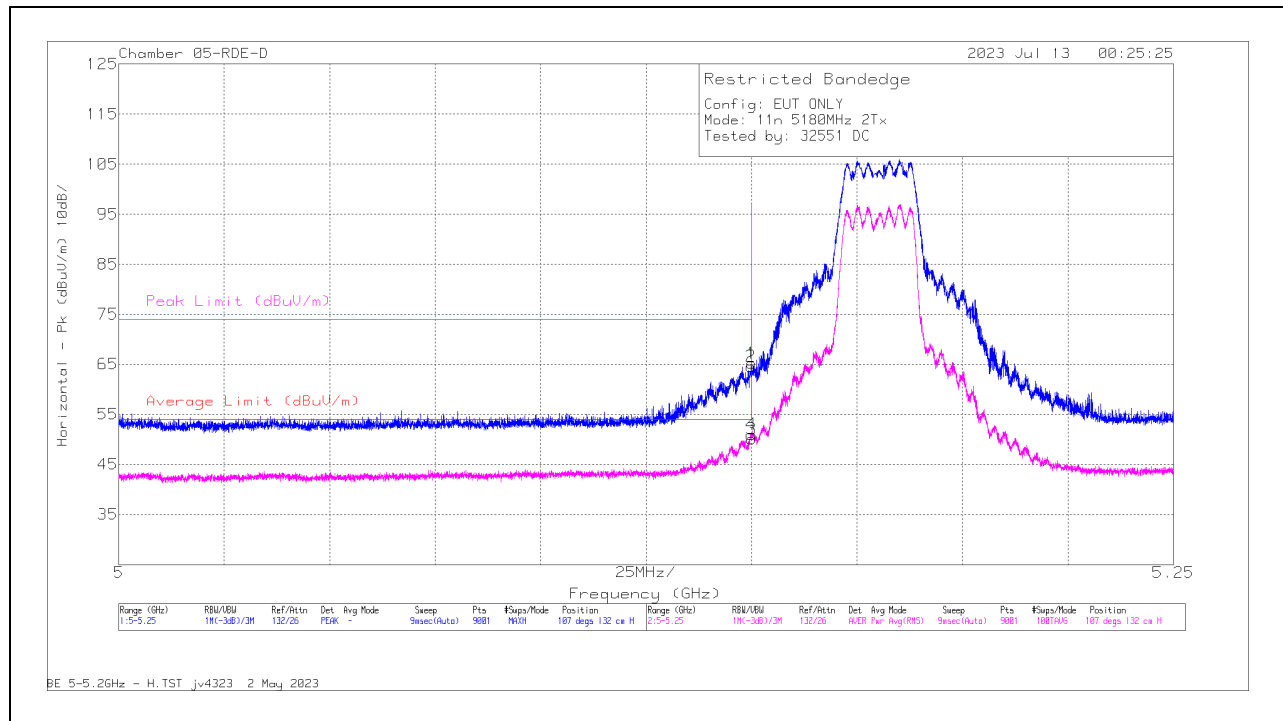
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Cb/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.28	Pk	34.2	-17.4	0	55.08	-	-	74	-8.92	269	207	V
2	* 5.149487	43.17	Pk	34.2	-17.3	0	66.07	-	-	74	-7.93	269	207	V
3	* 5.15	33.05	RMS	34.2	-17.4	0.41	50.26	54	-3.74	-	-	269	207	V
4	* 5.149954	33.76	RMS	34.2	-17.4	0.41	50.97	54	-3.03	-	-	269	207	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

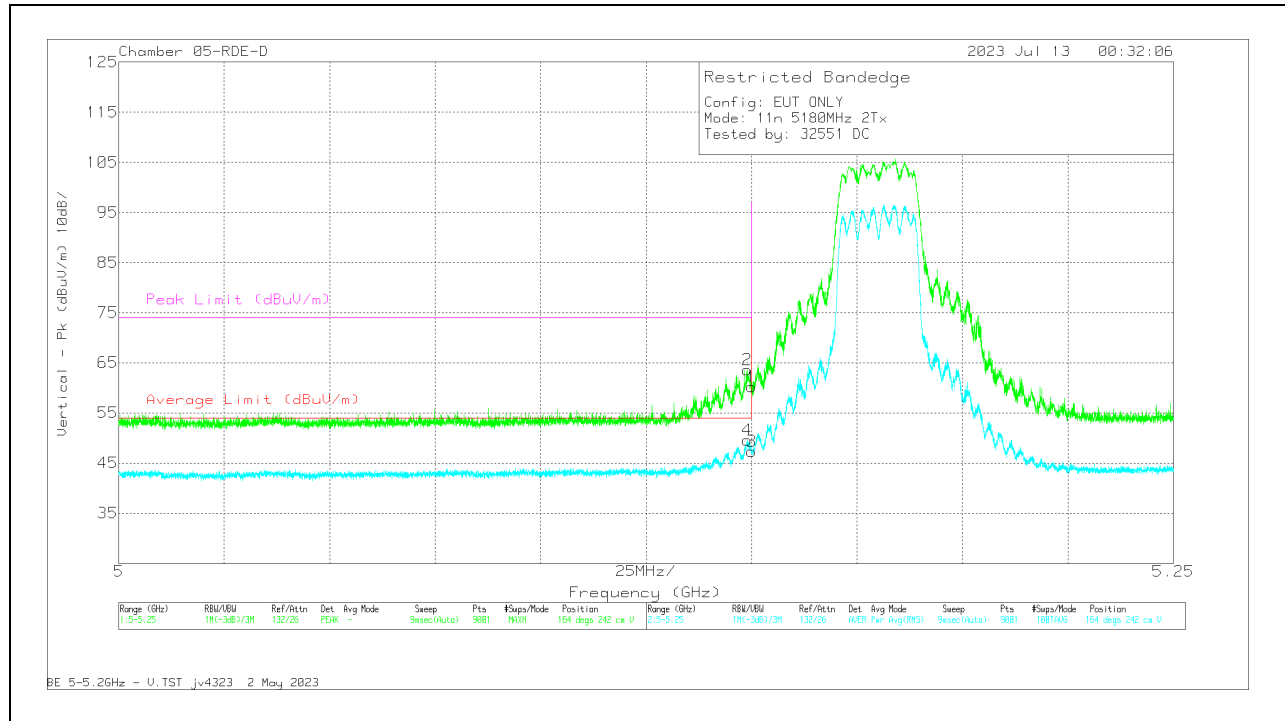


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.149918	68.48	Pk	34.6	0	-38.49	64.59	-	-	74	-9.41	107	132	H
4	5.149946	54.51	RMS	34.6	.41	-38.49	51.03	54	-2.97	-	-	107	132	H
1	5.15	69.13	Pk	34.6	0	-38.49	65.24	-	-	74	-8.76	107	132	H
3	5.15	53.58	RMS	34.6	.41	-38.49	50.1	54	-3.9	-	-	107	132	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



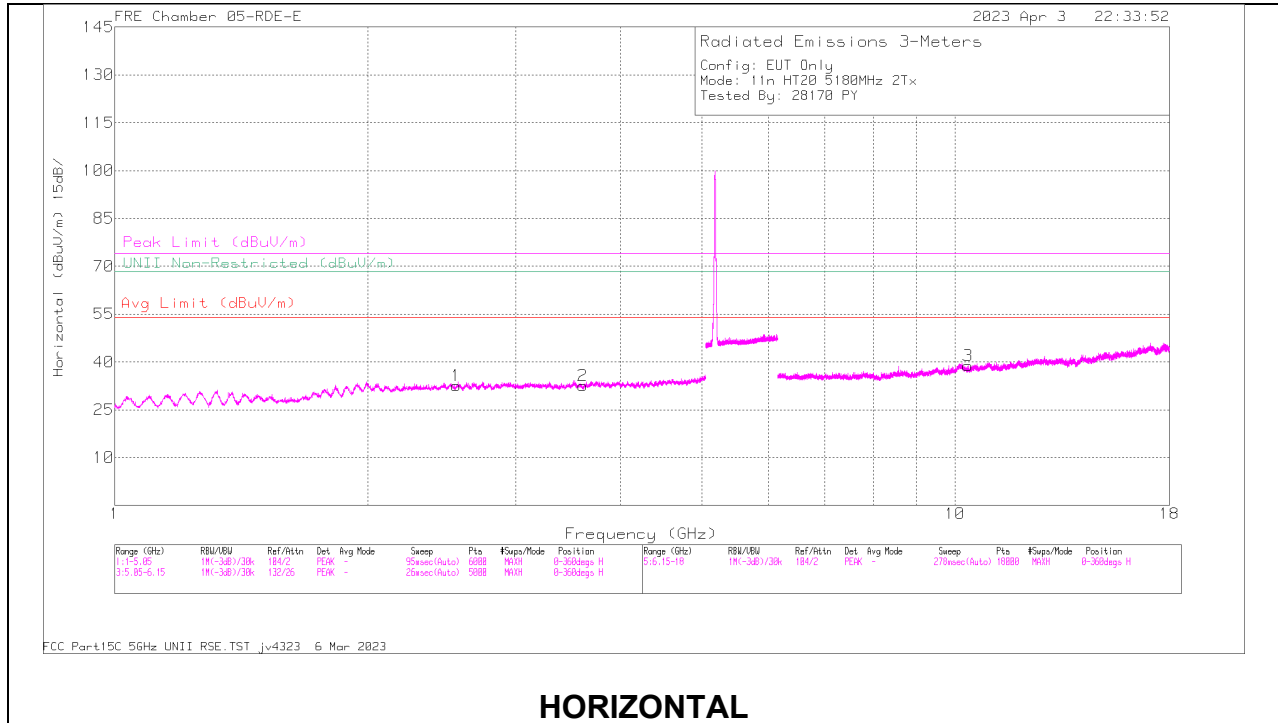
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mHz	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.148946	67.54	Pk	34.6	0	-38.53	63.61	-	-	74	-10.39	164	242	V
4	5.149001	53.05	RMS	34.6	.41	-38.52	49.54	54	-4.46	-	-	164	242	V
1	5.15	64.16	Pk	34.6	0	-38.49	60.27	-	-	74	-13.73	164	242	V
3	5.15	50.82	RMS	34.6	.41	-38.49	47.34	54	-6.66	-	-	164	242	V

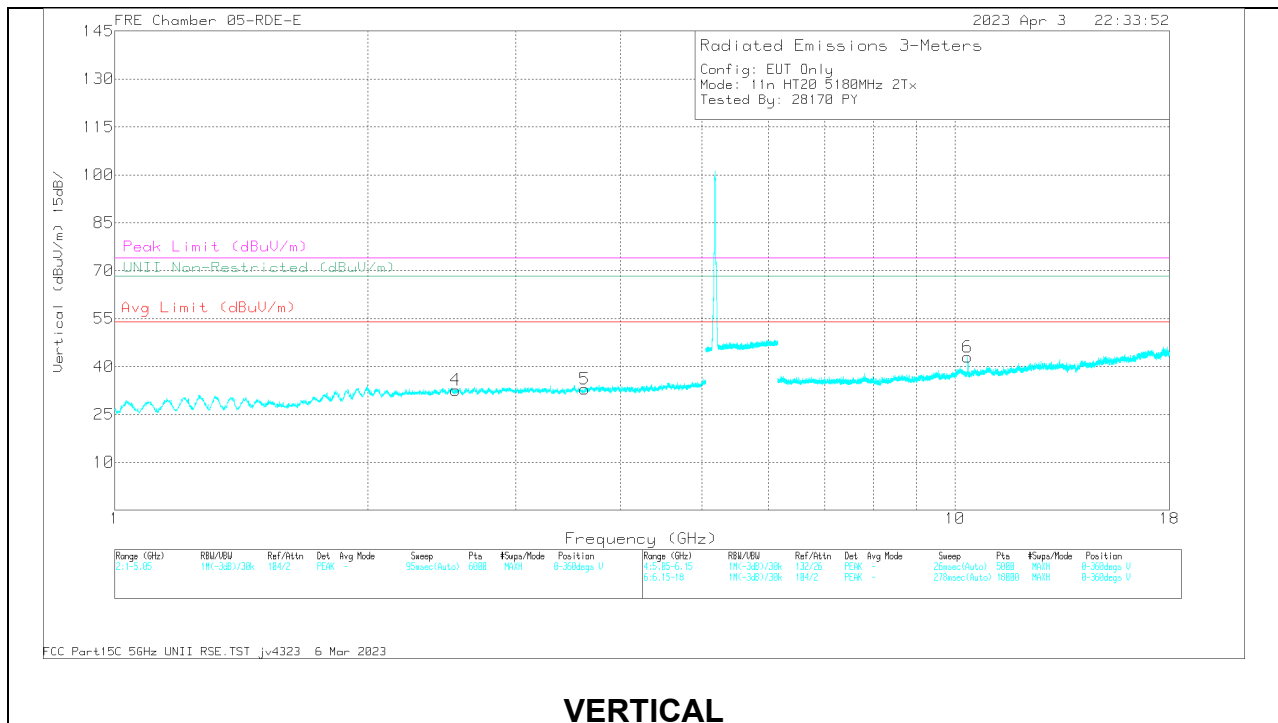
Pk - Peak detector
 RMS - RMS detection

1.1.2. 5.2GHz Band, HT20 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



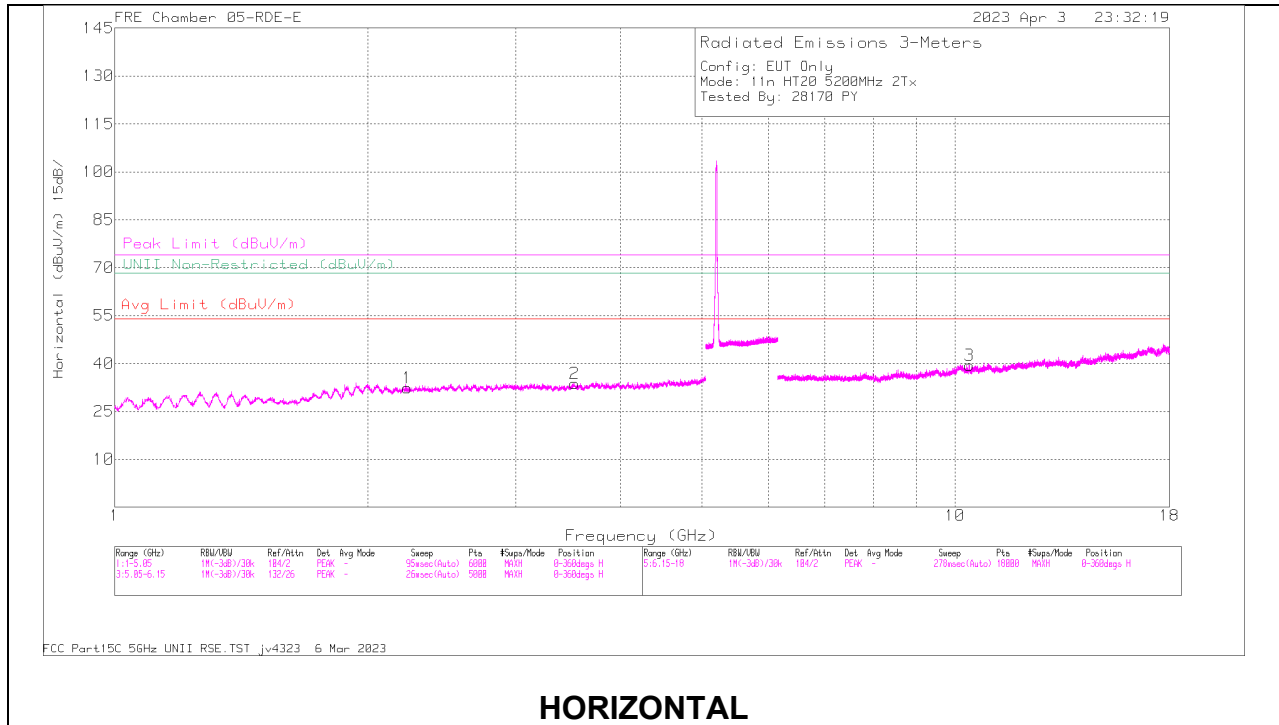
VERTICAL

RADIATED EMISSIONS

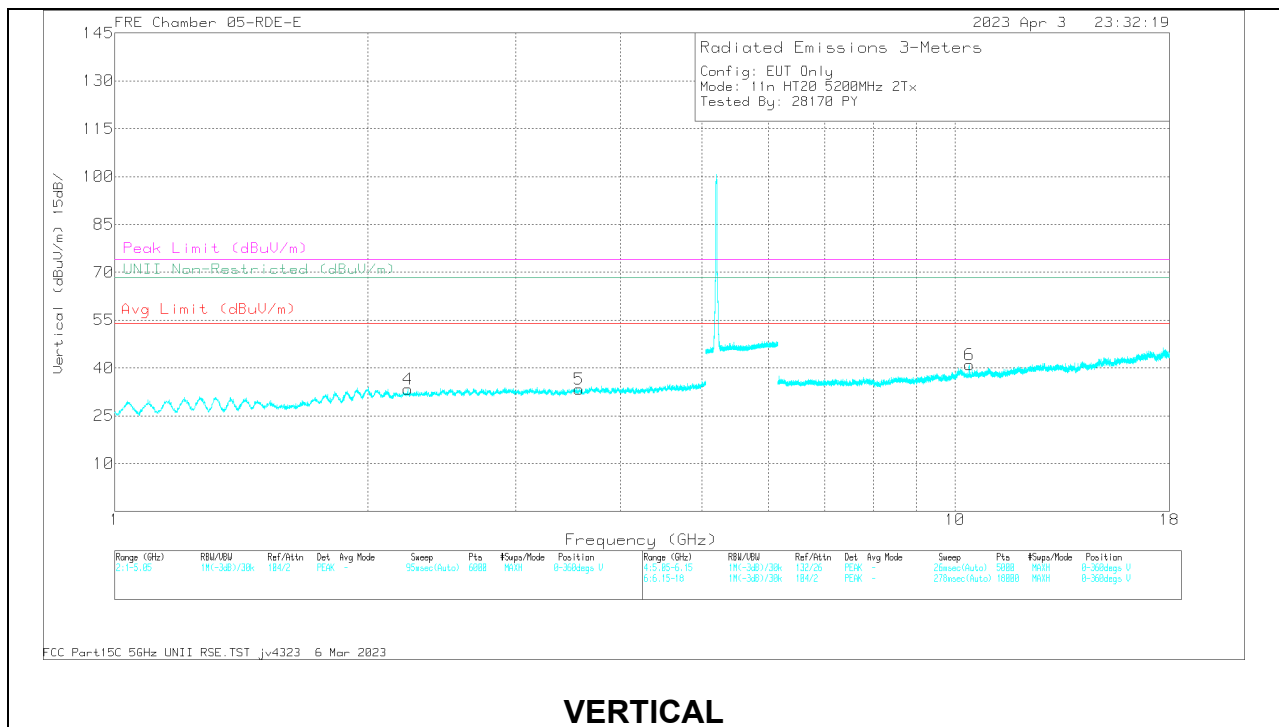
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.607137	56.39	PK-U	33.1	-47.07	42.42	-	-	74	-31.58	-	-	5	199	H
	* 3.604405	44.68	ADR	33.1	-47.03	30.75	54	-23.25	-	-	-	-	5	199	H
5	* 3.628176	56.99	PK-U	33.2	-47.15	43.04	-	-	74	-30.96	-	-	5	200	V
	* 3.627122	45.39	ADR	33.2	-47.19	31.4	54	-22.6	-	-	-	-	5	200	V
4	2.542153	59.53	PK-U	32.3	-49.64	42.19	-	-	-	-	68.2	-26.01	5	101	V
1	2.549198	59.59	PK-U	32.4	-49.64	42.35	-	-	-	-	68.2	-25.85	5	199	H
6	10.357691	57.33	PK-U	37.6	-46.58	48.35	-	-	-	-	68.2	-19.85	5	200	V
3	10.362652	58.79	PK-U	37.6	-46.53	49.86	-	-	-	-	68.2	-18.34	5	101	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



HORIZONTAL



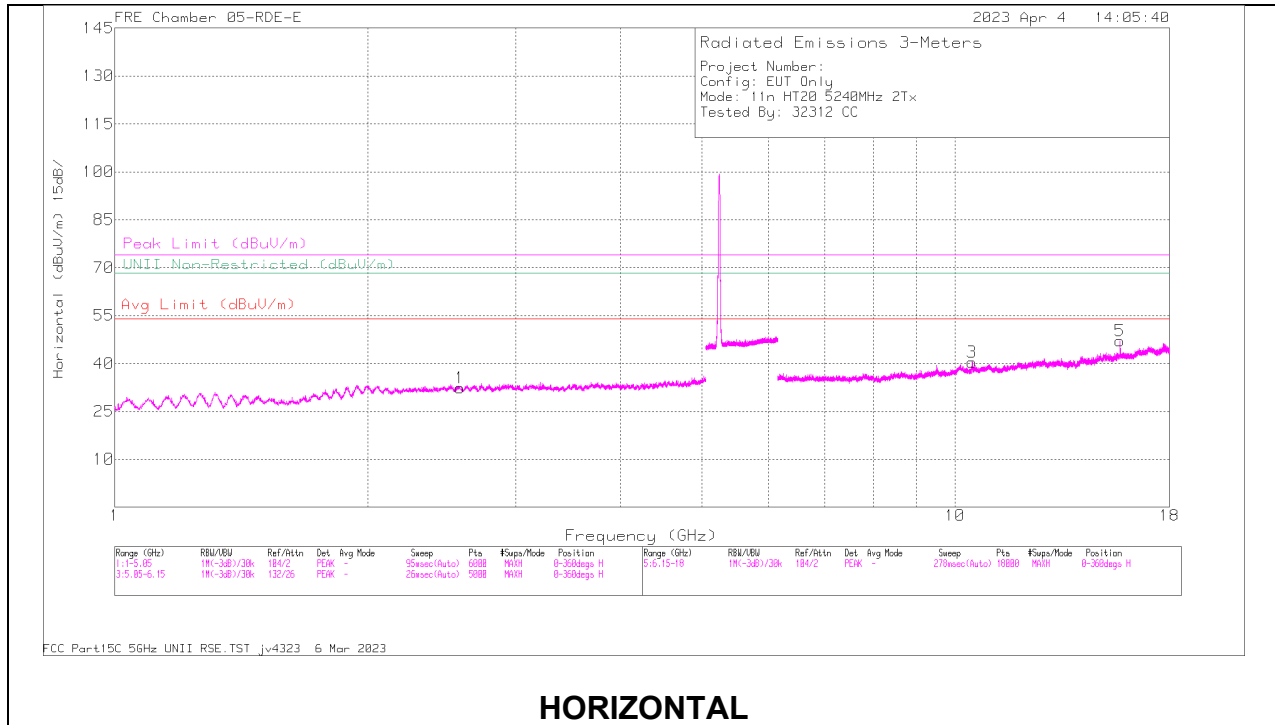
VERTICAL

RADIATED EMISSIONS

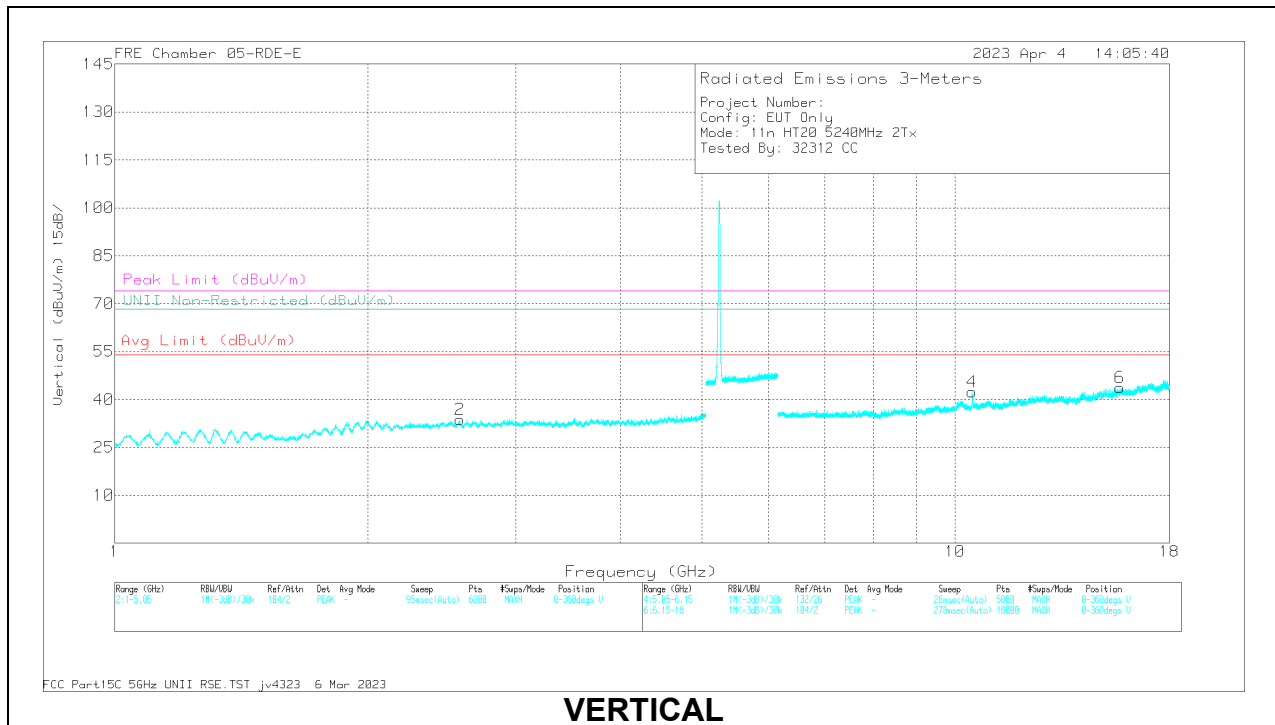
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.229743	61.04	PK-U	31.6	-50.57	42.07	-	-	74	-31.93	-	-	360	101	H
	* 2.227497	49.59	ADR	31.6	-50.55	30.64	54	-23.36	-	-	-	-	360	101	H
2	* 3.527433	57.9	PK-U	32.9	-46.99	43.81	-	-	74	-30.19	-	-	360	198	H
	* 3.527054	45.92	ADR	32.9	-47	31.82	54	-22.18	-	-	-	-	360	198	H
4	* 2.233843	61.56	PK-U	31.6	-50.52	42.64	-	-	74	-31.36	-	-	360	101	V
	* 2.231621	49.66	ADR	31.6	-50.57	30.69	54	-23.31	-	-	-	-	360	101	V
5	* 3.570848	57.13	PK-U	33	-46.93	43.2	-	-	74	-30.8	-	-	360	200	V
	* 3.570823	45.46	ADR	33	-46.93	31.53	54	-22.47	-	-	-	-	360	200	V
6	10.400034	59.72	PK-U	37.6	-46.35	50.97	-	-	-	-	68.2	-17.23	360	199	V
3	10.405302	57.61	PK-U	37.6	-46.46	48.75	-	-	-	-	68.2	-19.45	360	101	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



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22667 1 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 15.719535	62.66	PK-U	40.5	-43.75	59.41	-	-	74	-14.59	-	-	328	102	H
	* 15.719268	49.9	ADR	40.5	-43.73	46.67	54	-7.33	-	-	-	-	328	102	H
6	* 15.725059	57.75	PK-U	40.5	-43.79	54.46	-	-	74	-19.54	-	-	340	137	V
	* 15.725335	46.07	ADR	40.5	-43.77	42.8	54	-11.2	-	-	-	-	340	137	V
4	2.576062	48.63	ADR	32.4	-49.75	31.28	-	-	-	-	-	-	124	388	V
1	2.57691	60.4	PK-U	32.4	-49.75	43.05	-	-	-	-	68.2	-25.15	289	139	H
2	2.579188	60.06	PK-U	32.4	-49.73	42.73	-	-	-	-	68.2	-25.47	124	388	V
	10.481029	61.71	PK-U	37.7	-46.09	53.32	-	-	-	-	68.2	-14.88	355	187	V
3	10.48201	59.89	PK-U	37.7	-46.07	51.52	-	-	-	-	68.2	-16.68	27	351	H

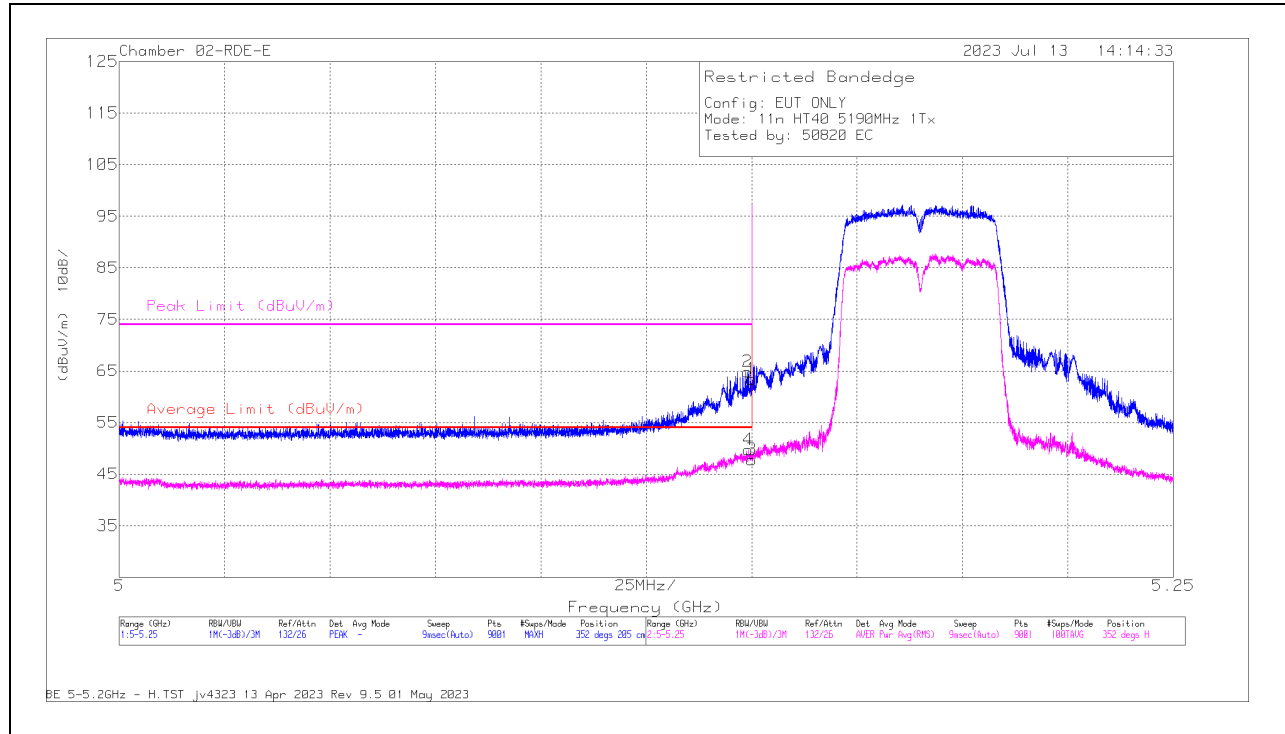
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

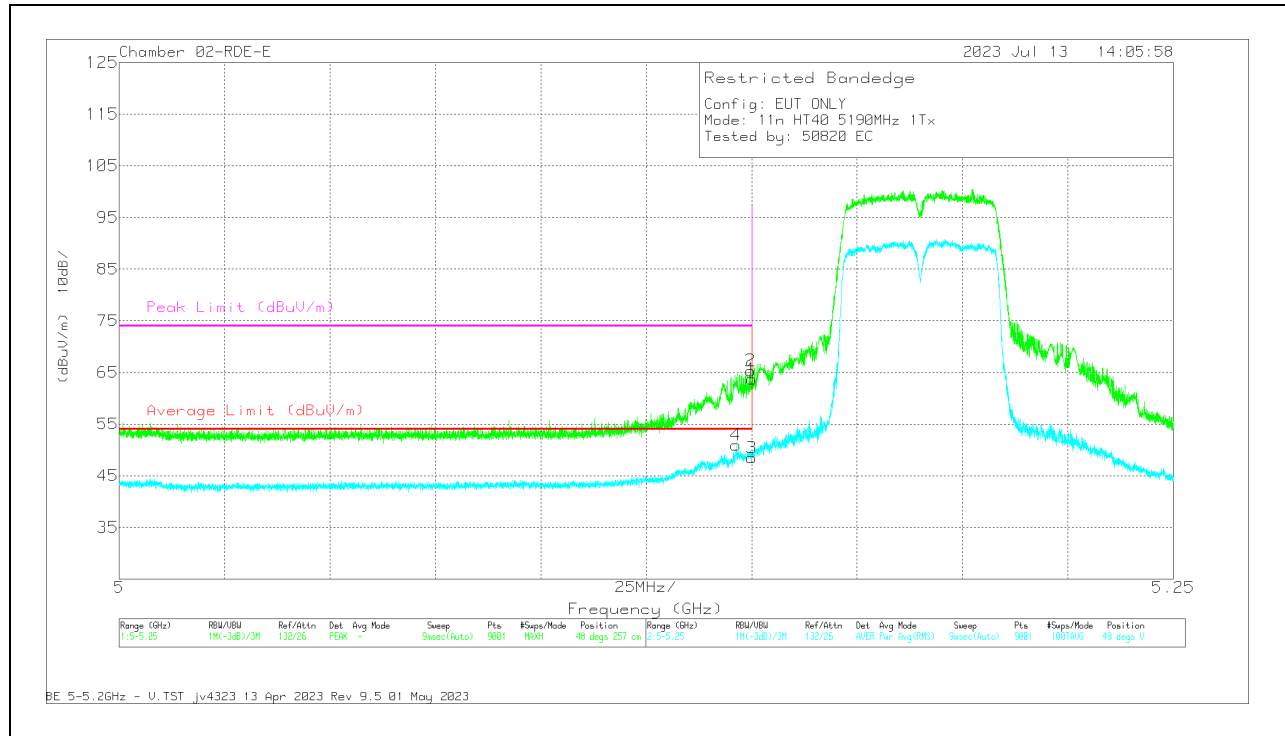


Trace Markers

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	66.92	Pk	34.3	0	-37.8	63.42	-	-	74	-10.58	352	205	H
2	* 5.149057	68.37	Pk	34.3	0	-37.8	64.87	-	-	74	-9.13	352	205	H
3	* 5.15	50.63	RMS	34.3	0.17	-37.8	47.3	54	-6.7	-	-	352	205	H
4	* 5.149196	52.55	RMS	34.3	0.17	-37.8	49.22	54	-4.78	-	-	352	205	H

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

VERTICAL RESULT



Trace Markers

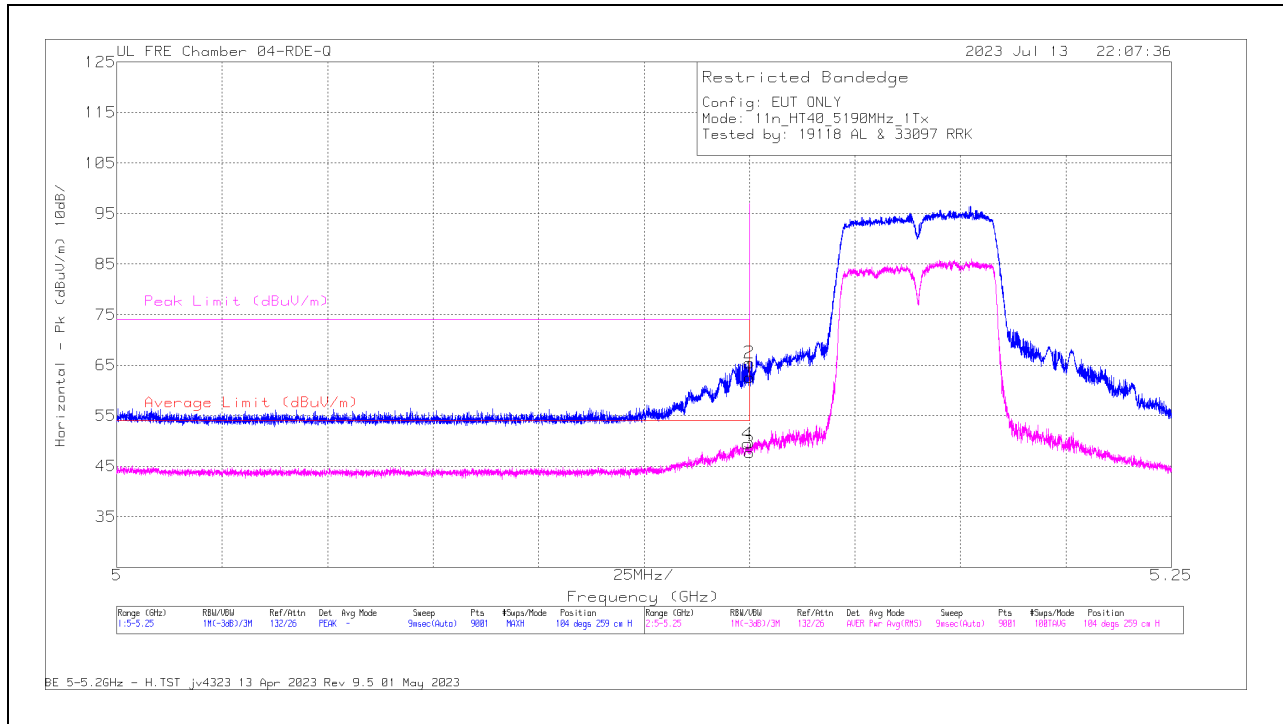
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	67.21	Pk	34.3	0	-37.8	63.74	-	-	74	-10.29	48	257	V
2	* 5.149807	66.84	Pk	34.3	0	-37.8	65.34	-	-	74	-8.66	48	257	V
3	* 5.15	51.3	RMS	34.3	0.17	-37.8	47.97	54	-6.03	-	-	48	257	V
4	* 5.146279	53.81	RMS	34.3	0.17	-37.84	50.44	54	-3.56	-	-	48	257	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

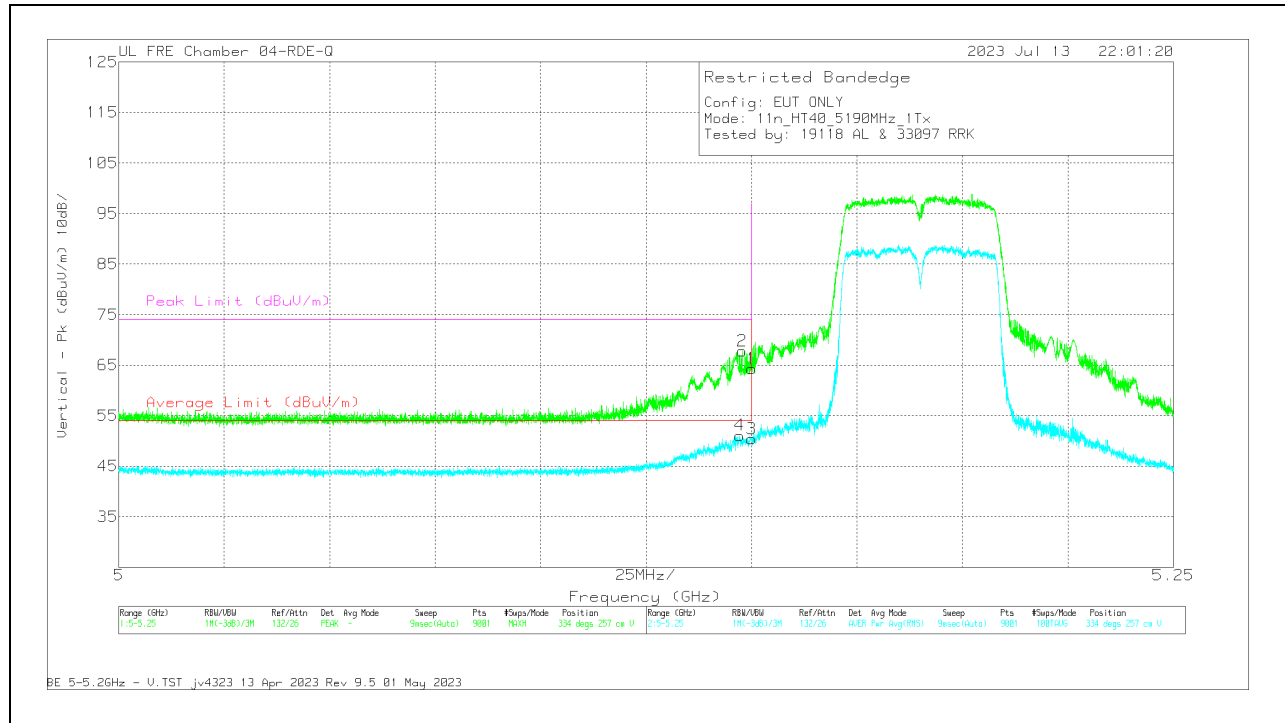


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	84796 ACF (dB) - 3mH	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.1495	51.81	RMS	34.2	0.17	-36.77	49.41	54	-4.59	-	-	104	259	H
2	5.14995	68.07	Pk	34.2	0	-36.77	65.5	-	-	74	-8.5	104	259	H
1	5.15	65.17	Pk	34.2	0	-36.77	62.6	-	-	74	-11.4	104	259	H
3	5.15	50.13	RMS	34.2	0.17	-36.77	47.73	54	-6.27	-	-	104	259	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

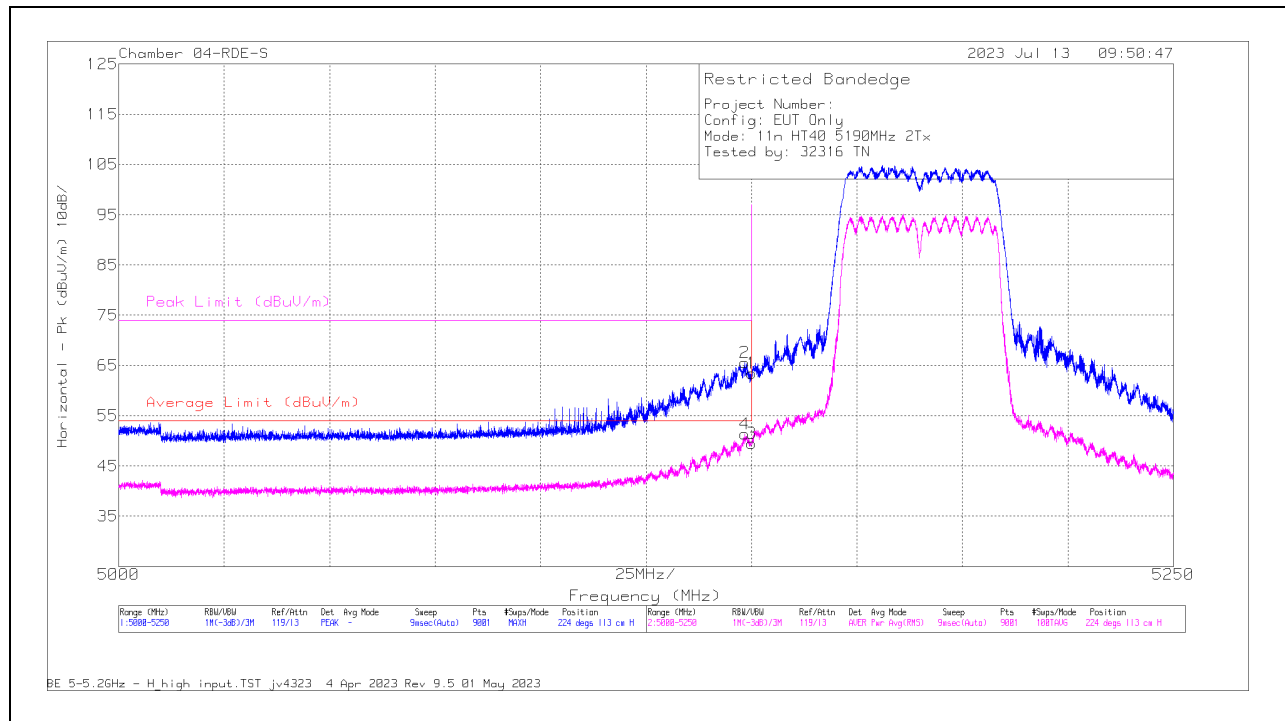
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.14722	53.44	RMS	34.2	0.17	-36.72	51.09	54	-2.91	-	-	334	257	V
2	5.14772	70.36	Pk	34.2	0	-36.74	67.82	-	-	74	-6.18	334	257	V
1	5.15	66.86	Pk	34.2	0	-36.77	64.29	-	-	74	-9.71	334	257	V
3	5.15	52.82	RMS	34.2	0.17	-36.77	50.42	54	-3.58	-	-	334	257	V

Pk - Peak detector
 RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

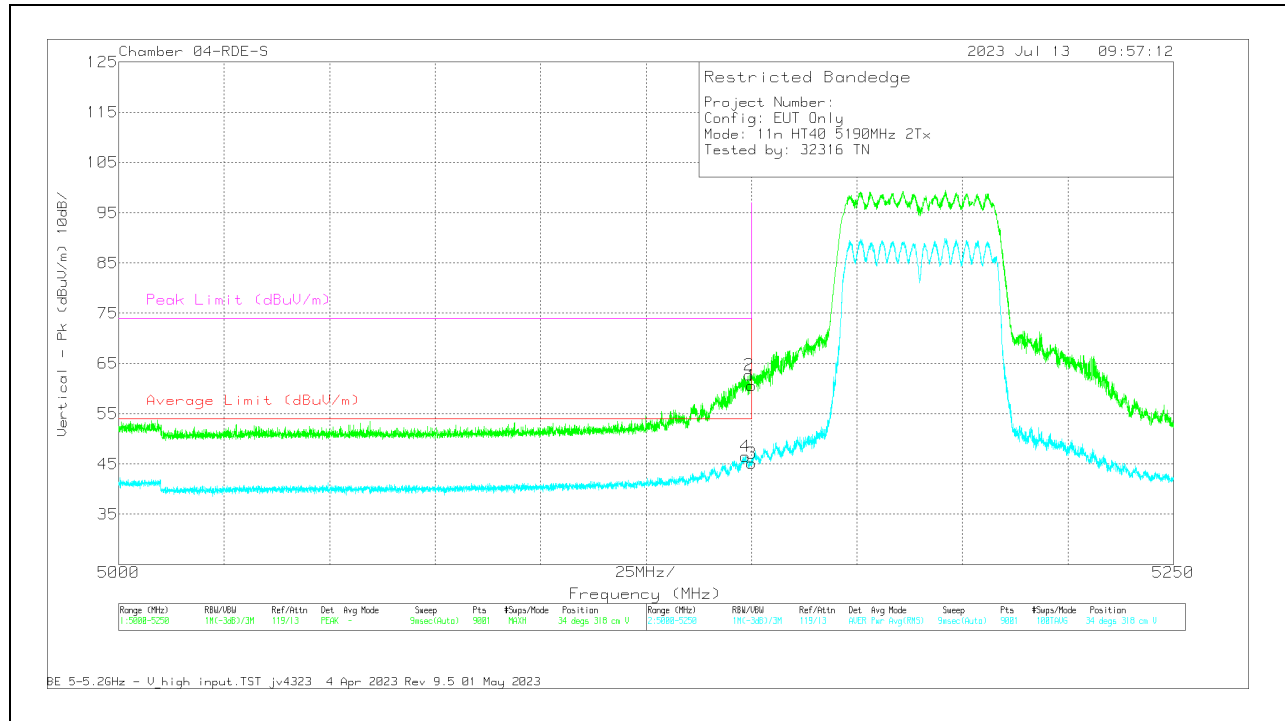


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 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	5148.335	40.22	RMS	34.3	.17	-23.3	51.39	54	-2.61	-	-	224	113	H
2	5148.362	54.59	Pk	34.3	0	-23.3	65.59	-	-	74	-8.41	224	113	H
1	5150	52.49	Pk	34.3	0	-23.3	63.49	-	-	74	-10.51	224	113	H
3	5150	38.29	RMS	34.3	.17	-23.3	49.46	54	-4.54	-	-	224	113	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



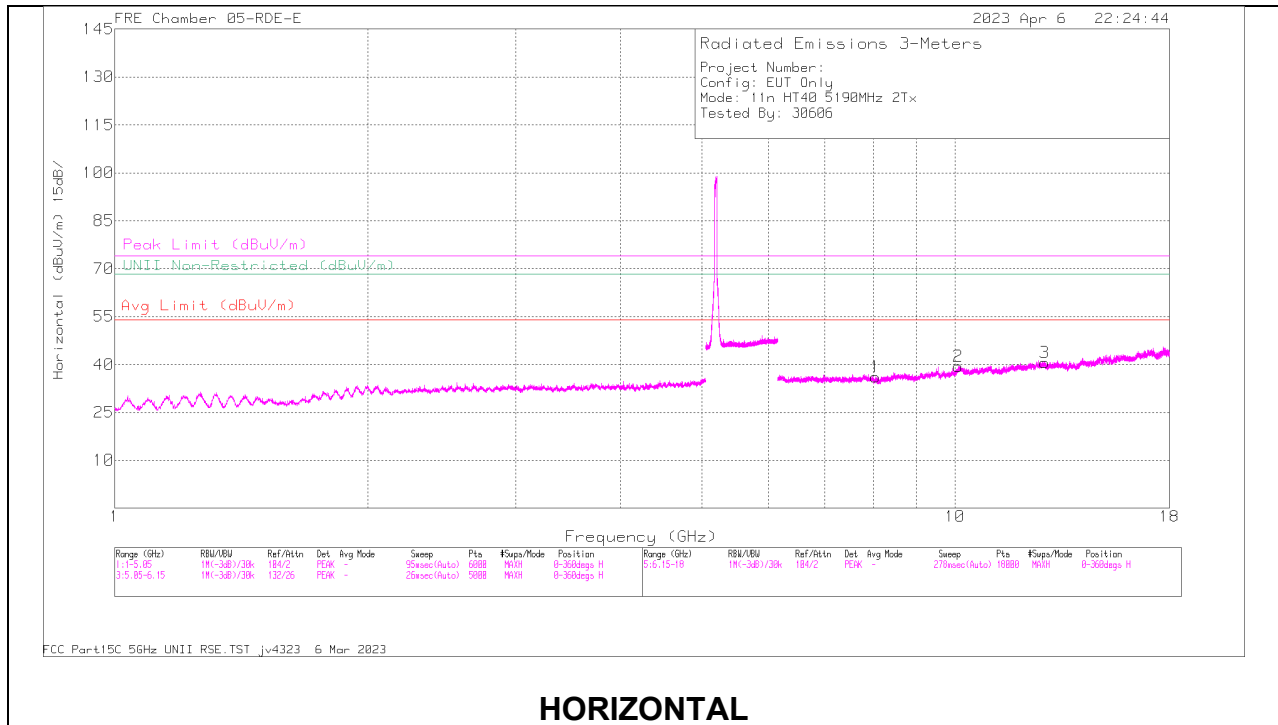
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 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	5148.529	35.35	RMS	34.3	.17	-23.3	46.52	54	-7.48	-	-	34	318	V
2	5149.446	51.68	Pk	34.3	0	-23.3	62.68	-	-	74	-11.32	34	318	V
1	5150	49.58	Pk	34.3	0	-23.3	60.58	-	-	74	-13.42	34	318	V
3	5150	34	RMS	34.3	.17	-23.3	45.17	54	-8.83	-	-	34	318	V

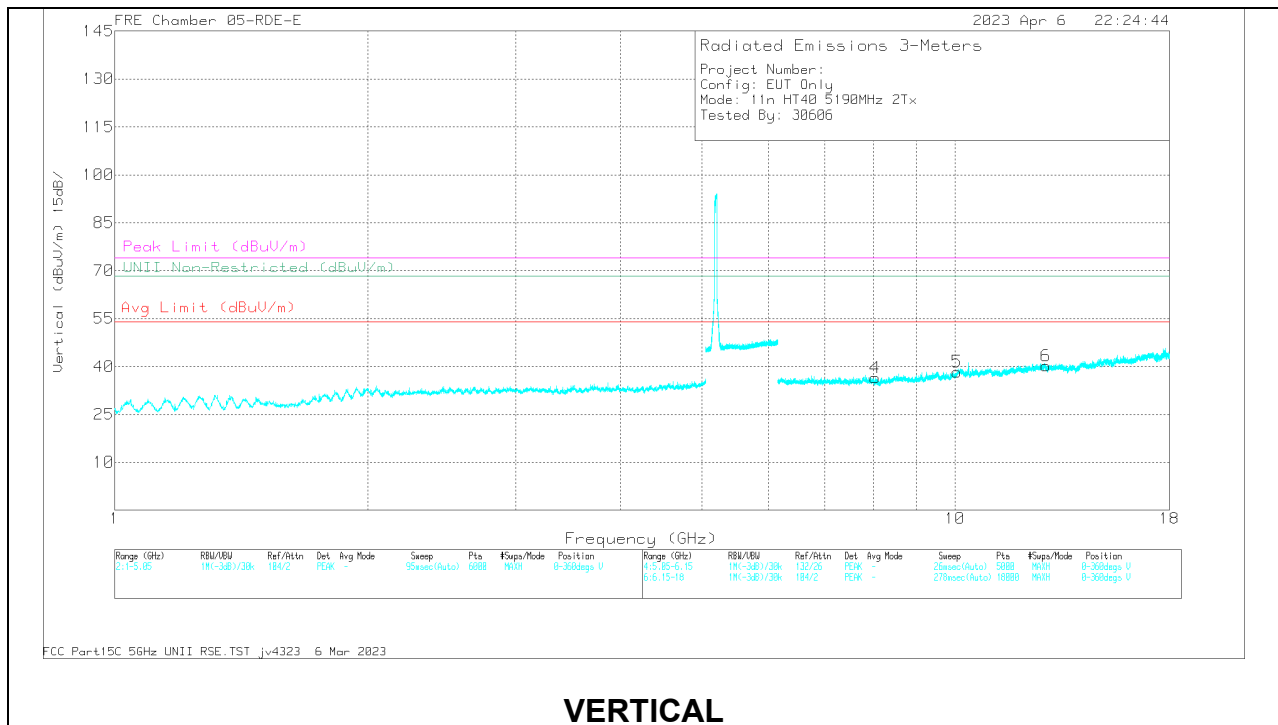
Pk - Peak detector
 RMS - RMS detection

1.1.4. 5.2GHz Band, HT40 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



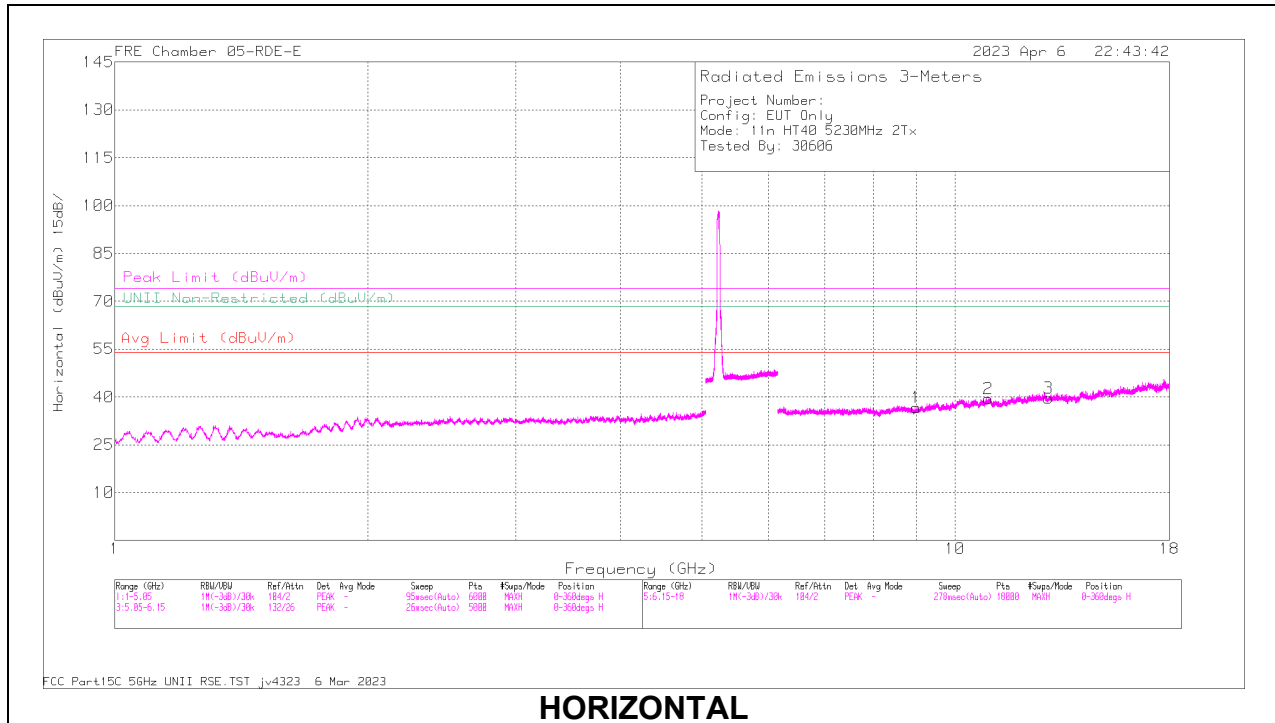
VERTICAL

RADIATED EMISSIONS

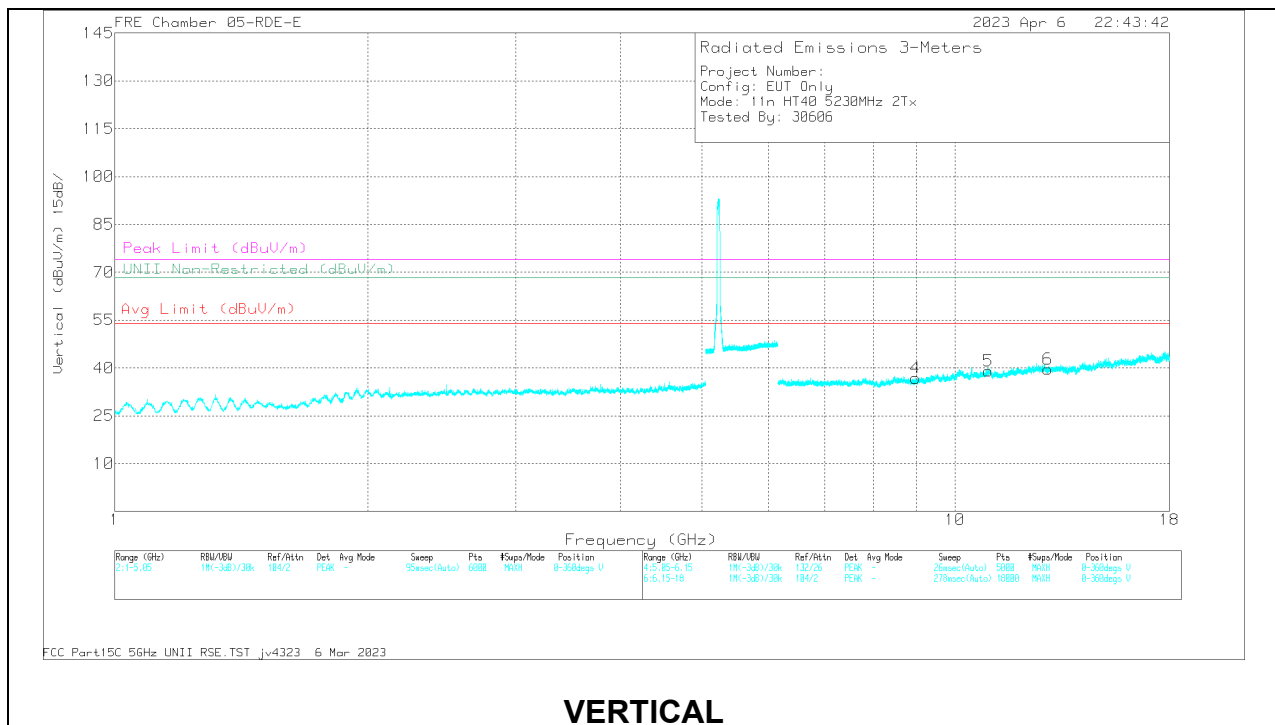
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	8.034377	43.56	ADR	35.8	0.1	-45.55	33.91	54	-20.09	-	-	-	-	299	200	V
	8.034895	55.41	PK-U	35.8	0	-45.53	45.68	-	-	74	-28.32	-	-	299	200	V
1	8.047274	43.65	ADR	35.8	0.1	-45.49	34.06	54	-19.94	-	-	-	-	321	263	H
	8.048706	55.63	PK-U	35.8	0	-45.49	45.94	-	-	74	-28.06	-	-	321	263	H
5	10.061944	58.46	PK-U	37.3	0	-47.07	48.69	-	-	-	-	68.2	-19.51	290	186	V
	10.086338	58.1	PK-U	37.3	0	-47.01	48.39	-	-	-	-	68.2	-19.81	332	217	H
2	12.797268	55.03	PK-U	39.2	0	-43.68	50.55	-	-	-	-	68.2	-17.65	286	183	H
	12.830461	54.37	PK-U	39.2	0	-44.06	49.51	-	-	-	-	68.2	-18.69	297	194	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	8.977398	54.37	PK-U	36.1	0	-44.37	46.1	-	-	-	-	68.2	-22.1	15	119	V
	8.996691	54.63	PK-U	36.1	0	-44.61	46.12	-	-	-	-	68.2	-22.08	2	101	H
5	10.949927	43.82	ADR	37.9	0.1	-44.61	37.21	54	-16.79	-	-	-	-	16	119	V
	10.952274	55.49	PK-U	37.9	0	-44.6	48.79	-	-	74	-25.21	-	-	16	119	V
2	10.953969	55.27	PK-U	37.9	0	-44.58	48.59	-	-	74	-25.41	-	-	2	196	H
	10.955422	43.78	ADR	37.9	0.1	-44.59	37.19	54	-16.81	-	-	-	-	2	196	H
6	12.903772	55	PK-U	39.2	0	-44.17	50.03	-	-	-	-	68.2	-18.17	17	118	V
	12.91525	54.52	PK-U	39.1	0	-44.22	49.4	-	-	-	-	68.2	-18.8	2	101	H

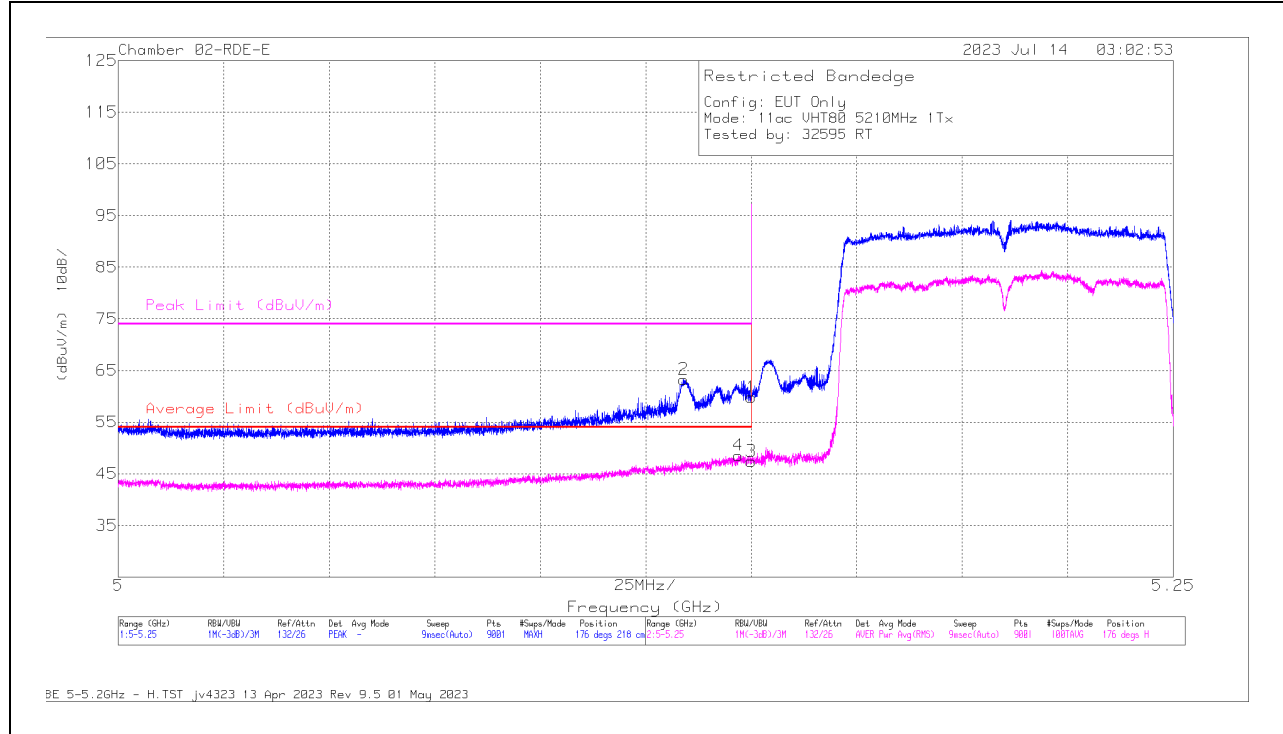
PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

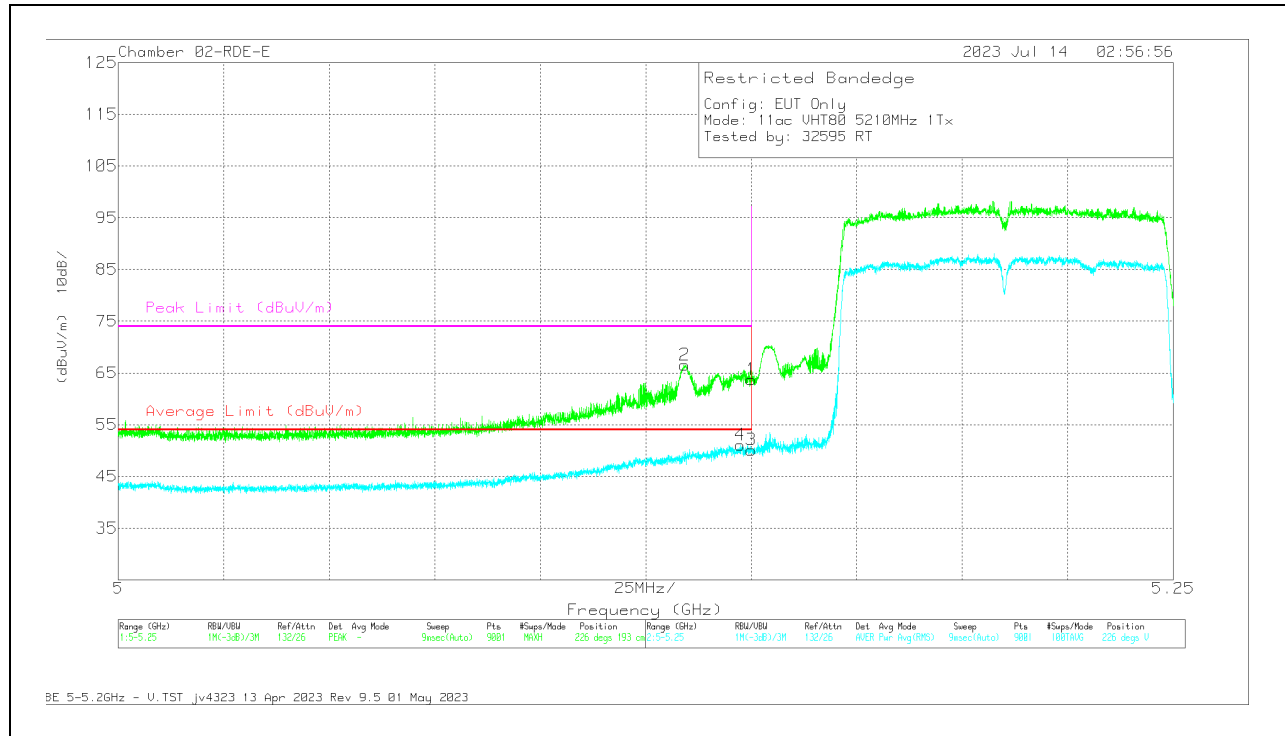


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	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	63.31	PK	34.3	0	-37.8	59.81	-	-	74	-14.19	176	218	H
2	* 5.133973	66.85	PK	34.3	0	-37.89	63.26	-	-	74	-10.74	176	218	H
3	* 5.15	50.45	RMS	34.3	0.72	-37.8	47.67	54	-6.33	-	-	176	218	H
4	* 5.146946	51.62	RMS	34.3	0.72	-37.83	48.81	54	-5.19	-	-	176	218	H

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

VERTICAL RESULT



Trace Markers

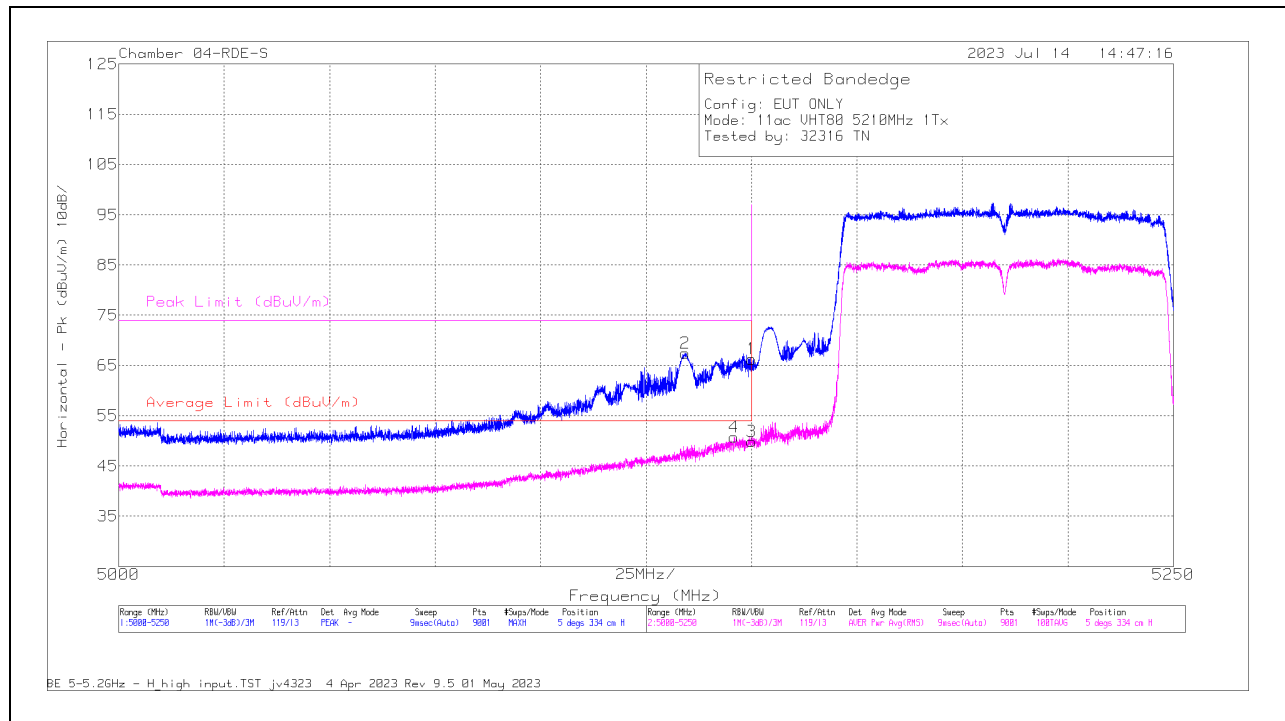
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	67.23	Pk	34.3	0	-37.8	63.73	-	-	74	-10.27	226	193	V
2	* 5.134223	70.13	Pk	34.3	0	-37.89	66.54	-	-	74	-7.46	226	193	V
3	* 5.15	53.18	RMS	34.3	0.72	-37.8	50.4	54	-3.6	-	-	226	193	V
4	* 5.147418	54.15	RMS	34.3	0.72	-37.82	51.35	54	-2.65	-	-	226	193	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

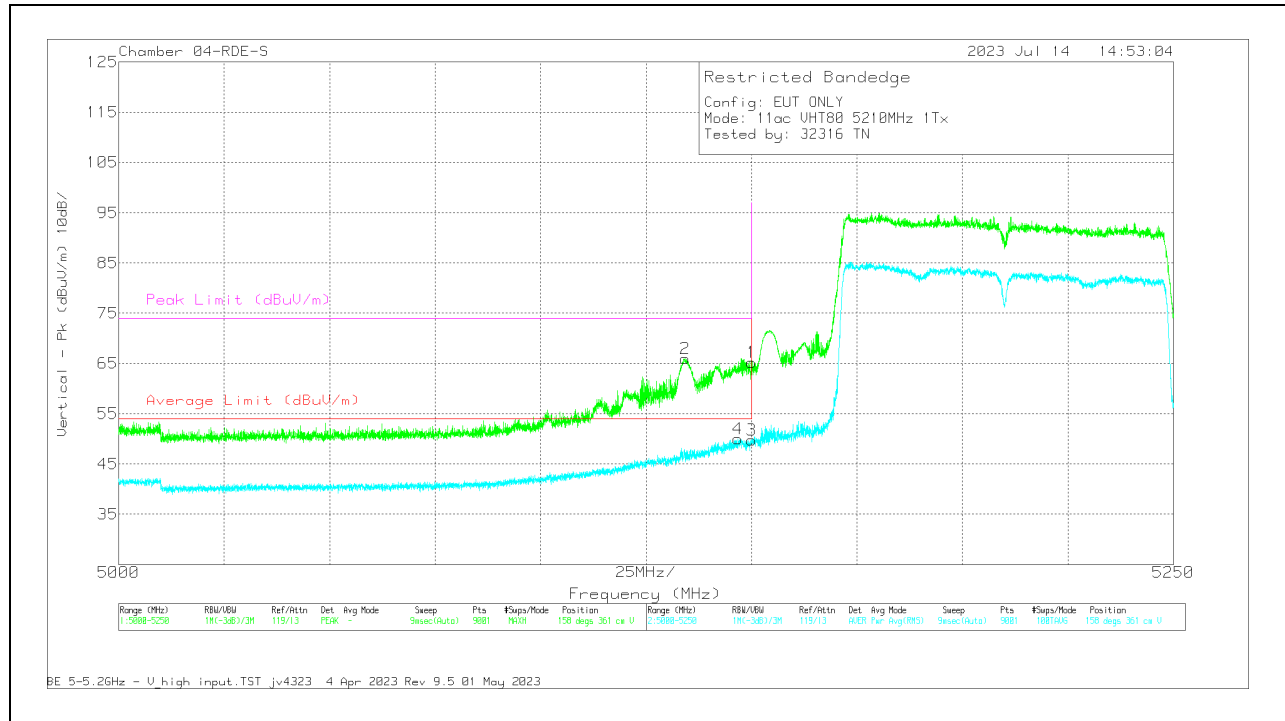


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 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	5134.25	56.49	Pk	34.3	0	-23.3	67.49	-	-	74	-6.51	5	334	H
4	5145.89	39.3	RMS	34.3	0.72	-23.31	51.01	54	-2.99	-	-	5	334	H
1	5150	55.27	Pk	34.3	0	-23.3	66.27	-	-	74	-7.73	5	334	H
3	5150	38.39	RMS	34.3	0.72	-23.3	50.11	54	-3.89	-	-	5	334	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

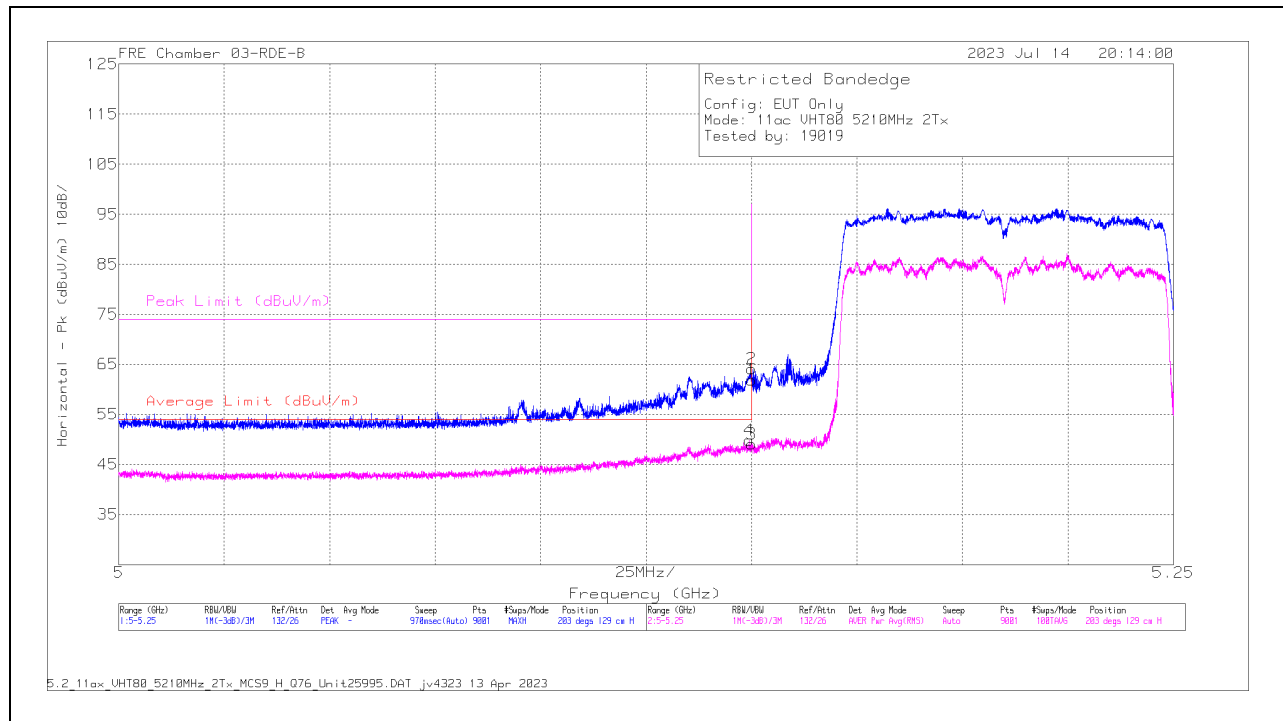
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5134.22	55	PK	34.3	0	-23.3	66	-	-	74	-8	158	361	V
4	5146.78	38.54	RMS	34.3	0.72	-23.31	50.25	54	-3.75	-	-	158	361	V
1	5150	54.22	PK	34.3	0	-23.3	65.22	-	-	74	-8.78	158	361	V
3	5150	38.24	RMS	34.3	0.72	-23.3	49.96	54	-4.04	-	-	158	361	V

Pk - Peak detector
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

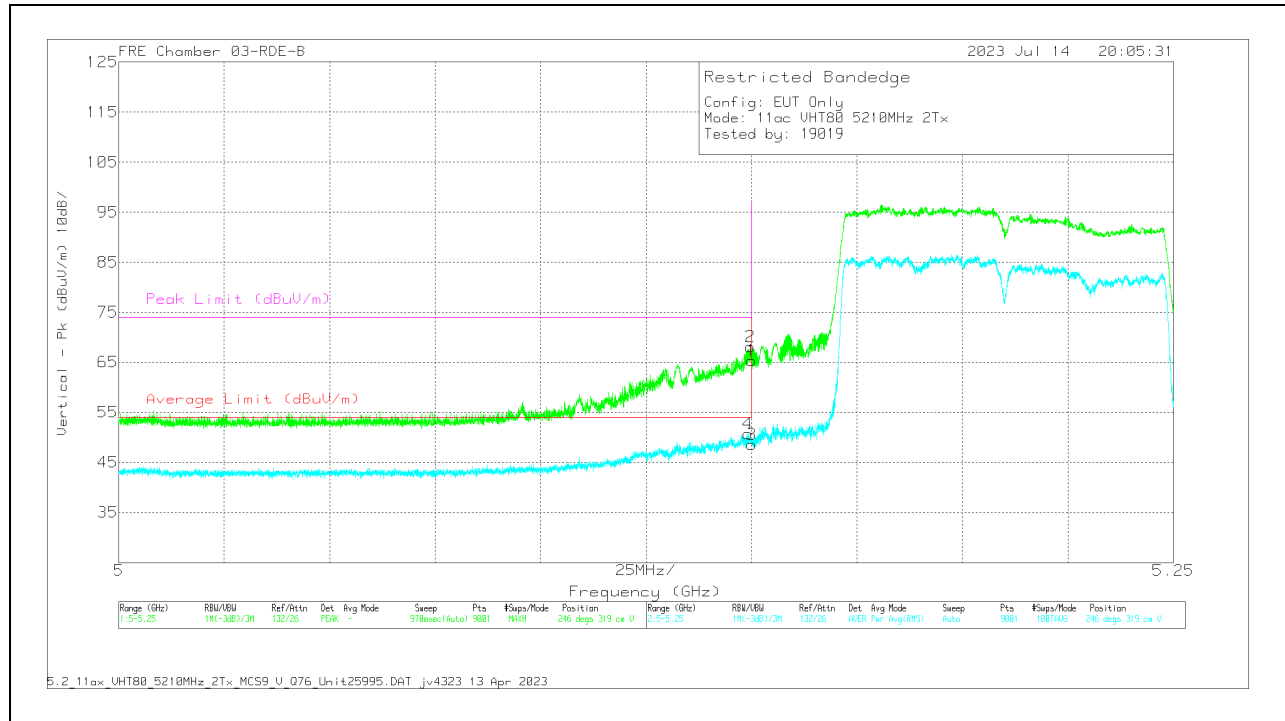


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	250000 ACQ (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	34.3	0	-39.9	61.92	-	-	74	-12.08	203	129	H
2	* 5.149973	69.7	PK	34.3	0	-39.9	64.1	-	-	74	-9.9	203	129	H
3	* 5.15	54.01	RMS	34.3	0.72	-39.9	49.13	54	-4.87	-	-	203	129	H
4	* 5.14939	54.67	RMS	34.3	0.72	-39.9	49.79	54	-4.21	-	-	203	129	H

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

VERTICAL RESULT



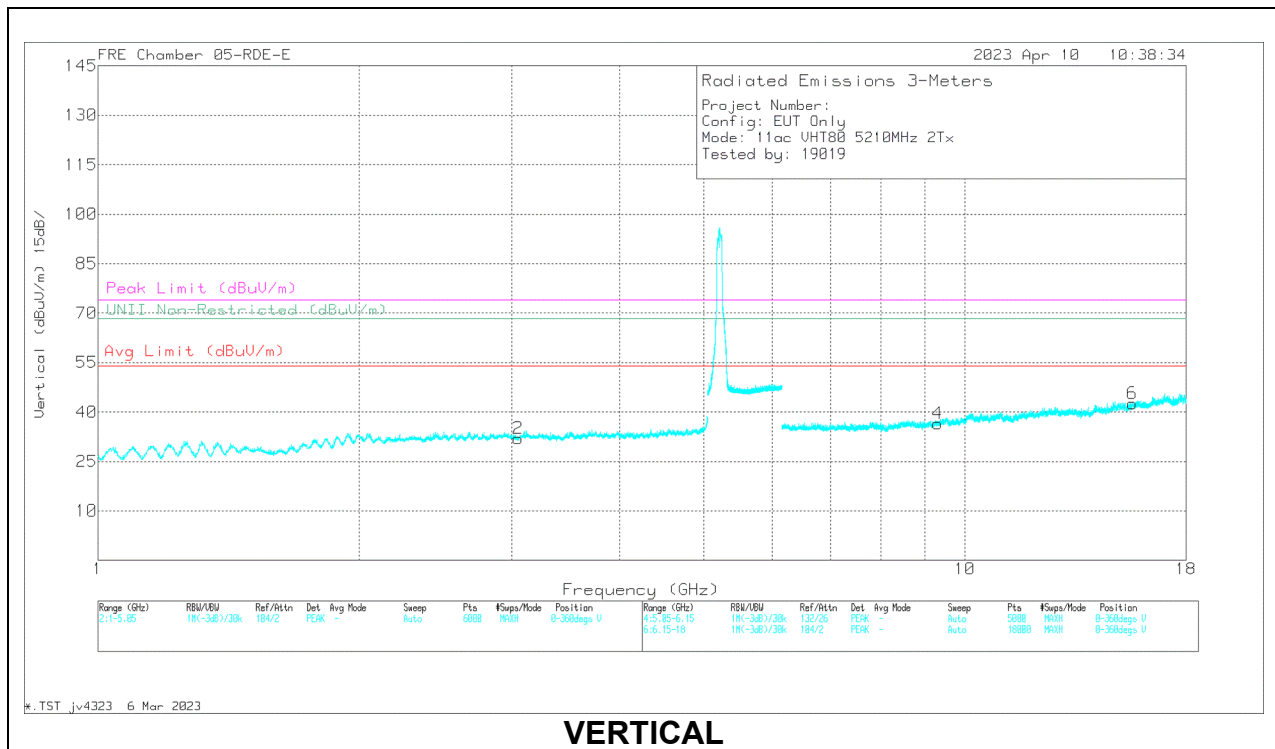
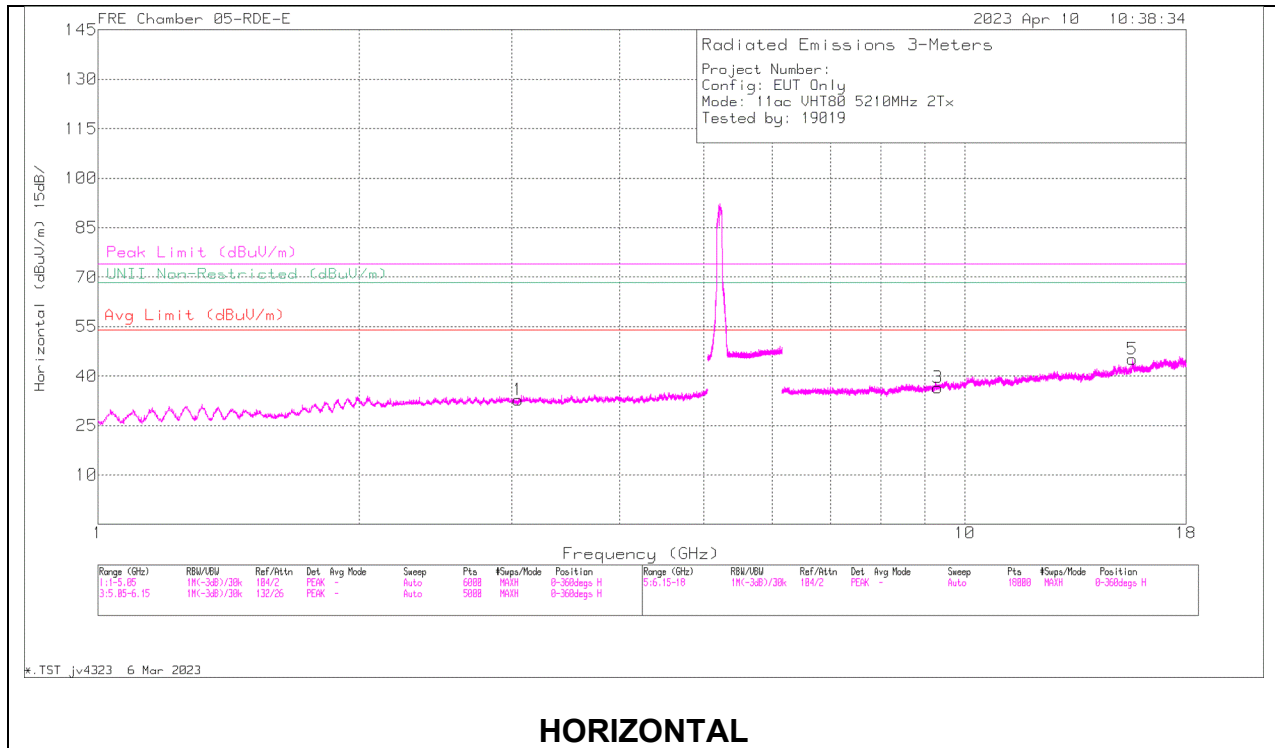
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dBm)	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	70.99	Pk	34.3	0	-39.9	65.39	-	-	74	-8.61	246	319	V
2	* 5.149723	73.71	Pk	34.3	0	-39.9	68.11	-	-	74	-5.89	246	319	V
3	* 5.15	53.53	RMS	34.3	0.72	-39.9	48.65	54	-5.35	-	-	246	319	V
4	* 5.149085	55.63	RMS	34.3	0.72	-39.9	50.75	54	-3.25	-	-	246	319	V

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

1.1.6. 5.2GHz Band, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.053684	58.18	PK-U	32.9	0	-48.41	42.67	-	-	-	-	68.2	-25.53	95	101	H
2	3.0537	57.98	PK-U	32.9	0	-48.41	42.47	-	-	-	-	68.2	-25.73	95	200	V
3	9.303985	44.36	ADR	36.3	0.2	-44.77	36.09	54	-17.91	-	-	-	-	314	200	H
	9.305502	56.65	PK-U	36.3	0	-44.79	48.16	-	-	74	-25.84	-	-	314	200	H
4	9.305991	55.77	PK-U	36.3	0	-44.81	47.26	-	-	74	-26.74	-	-	314	200	V
	9.306265	44.33	ADR	36.3	0.2	-44.83	36	54	-18	-	-	-	-	314	200	V
6	15.609605	43.5	ADR	40.4	0.2	-43.14	40.96	54	-13.04	-	-	-	-	314	101	V
	15.609906	55.41	PK-U	40.4	0	-43.13	52.68	-	-	74	-21.32	-	-	314	101	V
5	15.611667	55.9	PK-U	40.4	0	-43.17	53.13	-	-	74	-20.87	-	-	314	101	H
	15.611893	44.37	ADR	40.4	0.2	-43.17	41.8	54	-12.2	-	-	-	-	314	101	H

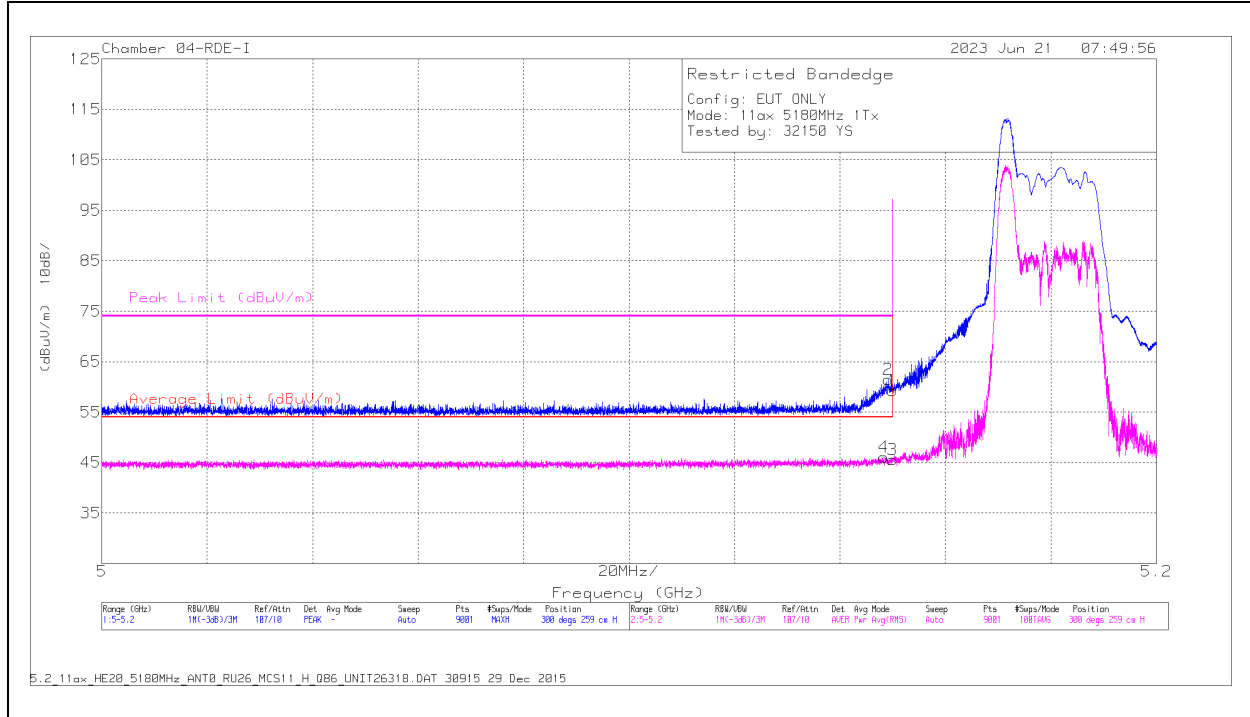
PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

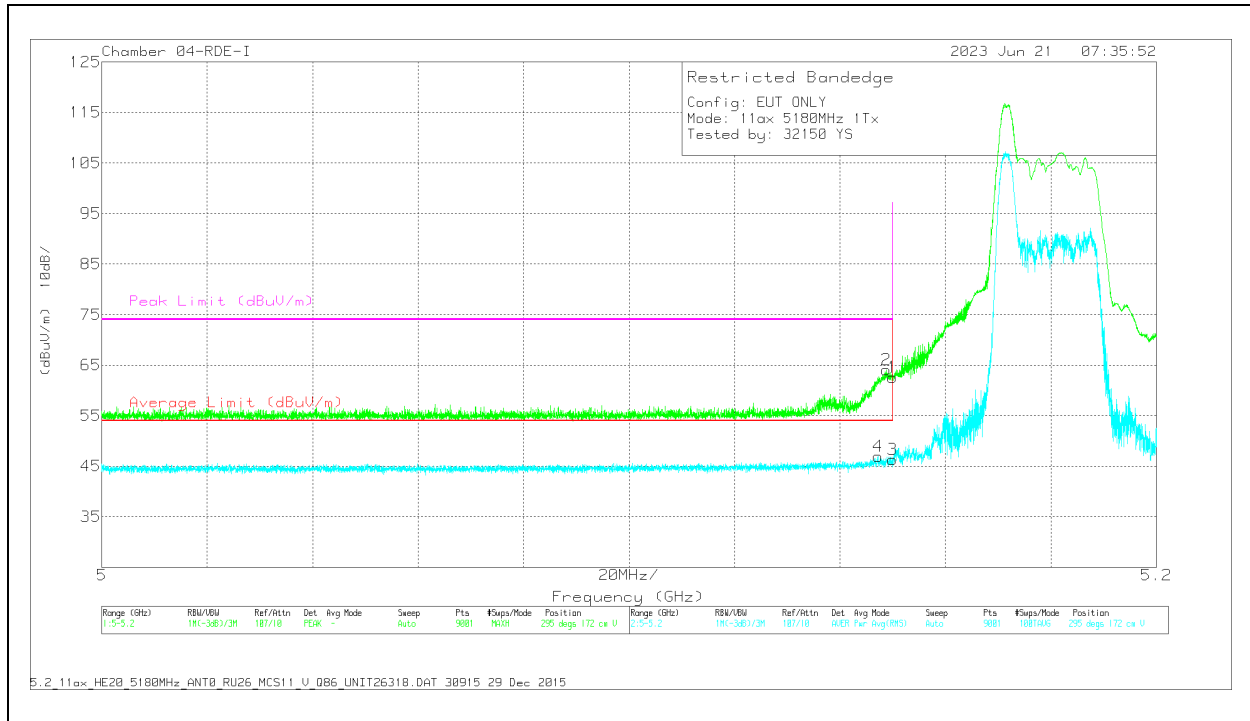


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	84797 ACP (dB) - 3mH	Cb/Amp (dB)	DCCF (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.45	PK	34.2	-17.4	0	59.25	-	-	74	-14.75	300	259	H
2	* 5.149132	44.51	PK	34.2	-17.3	0	61.41	-	-	74	-12.59	300	259	H
3	* 5.15	28.24	RMS	34.2	-17.4	0.53	45.57	54	-8.43	-	-	300	259	H
4	* 5.148243	28.59	RMS	34.2	-17.2	0.53	46.12	54	-7.88	-	-	300	259	H

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

VERTICAL RESULT



Trace Markers

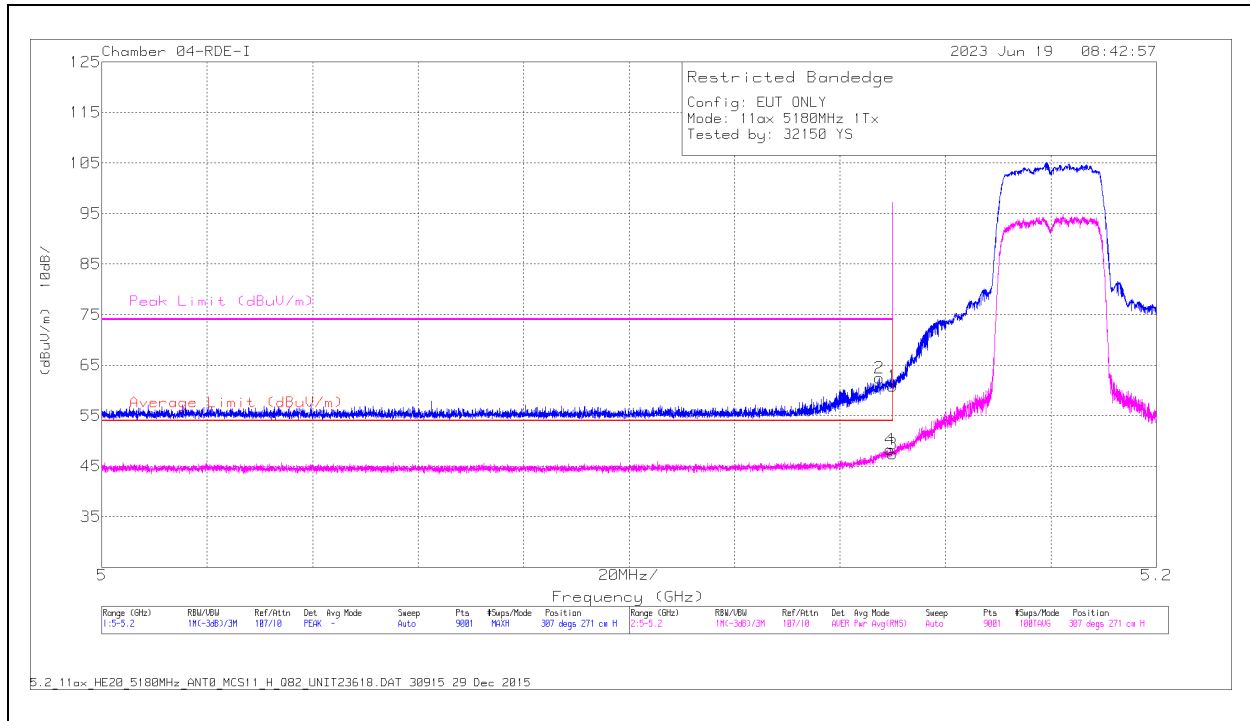
Marker	Frequency (GHz)	Meter Reading (dBu)	Det	84797 ACF (dB) - 3mit	Cb/Amp (dB)	DCCF (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.74	Pk	34.2	-17.4	0	62.54	-	-	74	-11.46	295	172	V
2	* 5.148776	47.15	Pk	34.2	-17.3	0	64.05	-	-	74	-9.95	295	172	V
3	* 5.15	28.98	RMS	34.2	-17.4	0.53	46.31	54	-7.69	-	-	295	172	V
4	* 5.147176	28.5	RMS	34.2	-17.3	0.53	46.93	54	-7.07	-	-	295	172	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

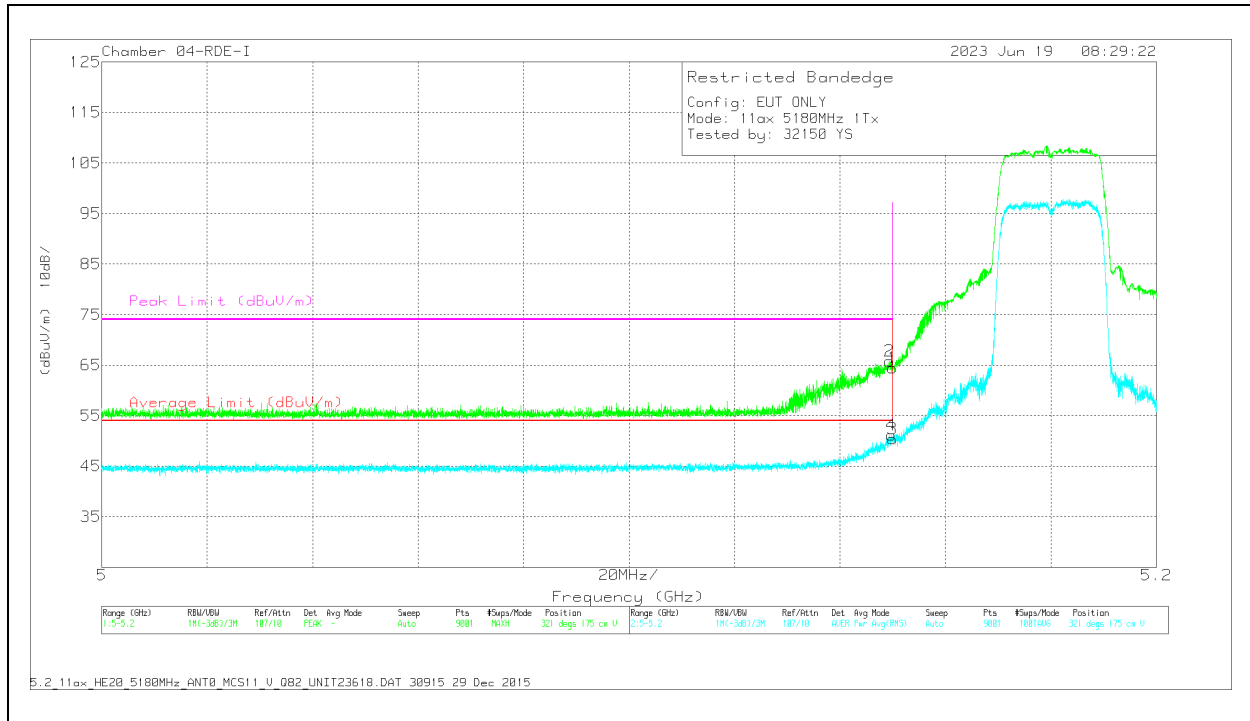


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84757 ACF (dB) - 3mH	Chl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	-44.91	Pk	34.2	-17.4	0	60.81	-	-	74	-13.19	307	271	H
2	* 5.147465	-45.6	Pk	34.2	-17.3	0	62.5	-	-	74	-11.5	307	271	H
3	* 5.15	30.01	RMS	34.2	-17.4	0.61	47.42	54	-6.58	-	-	307	271	H
4	* 5.149465	30.86	RMS	34.2	-17.3	0.61	48.37	54	-5.63	-	-	307	271	H

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

VERTICAL RESULT



Trace Markers

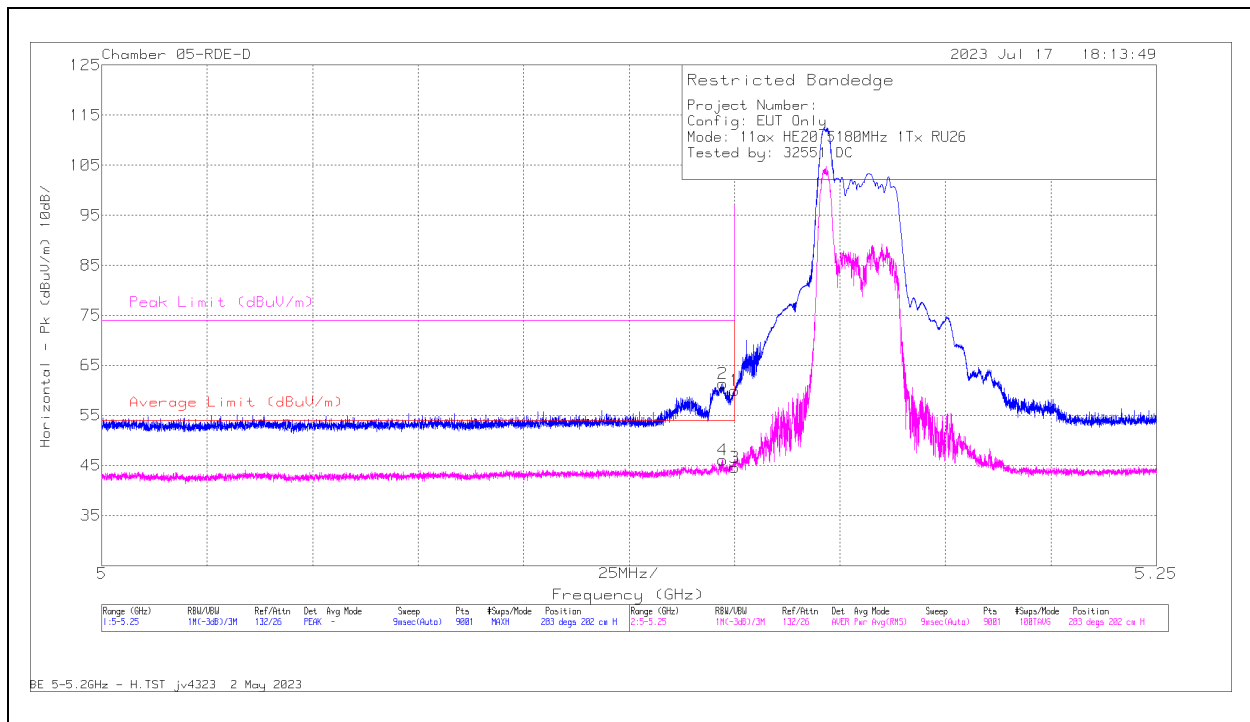
Marker	Frequency (GHz)	Meter Reading (dBu)	Det	84797 ACF (dB) - 3mit	Cb/Amp (dB)	DCCF (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.64	Pk	34.2	-17.4	0	64.44	-	-	74	-9.56	321	175	V
2	* 5.149354	48.9	Pk	34.2	-17.3	0	65.8	-	-	74	-8.2	321	175	V
3	* 5.15	33.04	RMS	34.2	-17.4	0.61	50.45	54	-3.55	-	-	321	175	V
4	* 5.149776	33.75	RMS	34.2	-17.4	0.61	51.16	54	-2.84	-	-	321	175	V

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

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

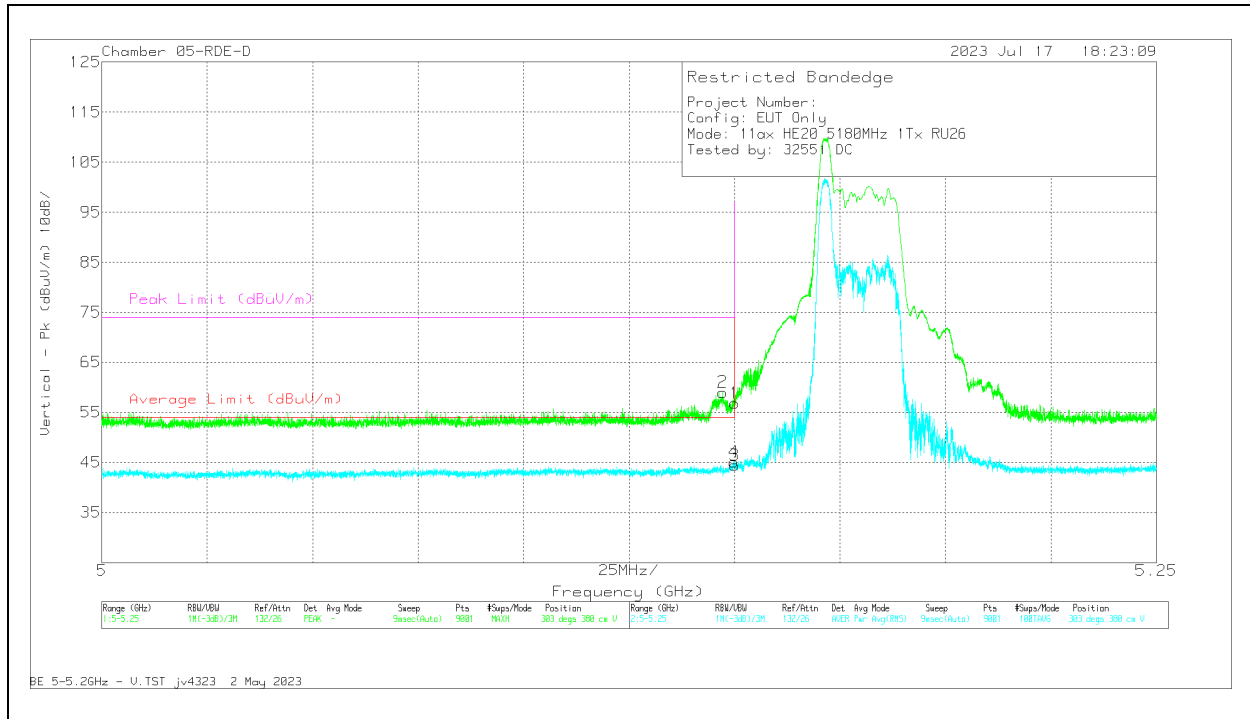


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14725	63.35	Pk	34.6	0	-38.63	61.32	-	-	74	-12.68	283	202	H
4	5.14725	49.59	RMS	34.6	0.53	-38.63	46.09	54	-7.91	-	-	283	202	H
1	5.15	63.92	Pk	34.6	0	-38.49	60.03	-	-	74	-13.97	283	202	H
3	5.15	47.97	RMS	34.6	0.53	-38.49	44.61	54	-9.39	-	-	283	202	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

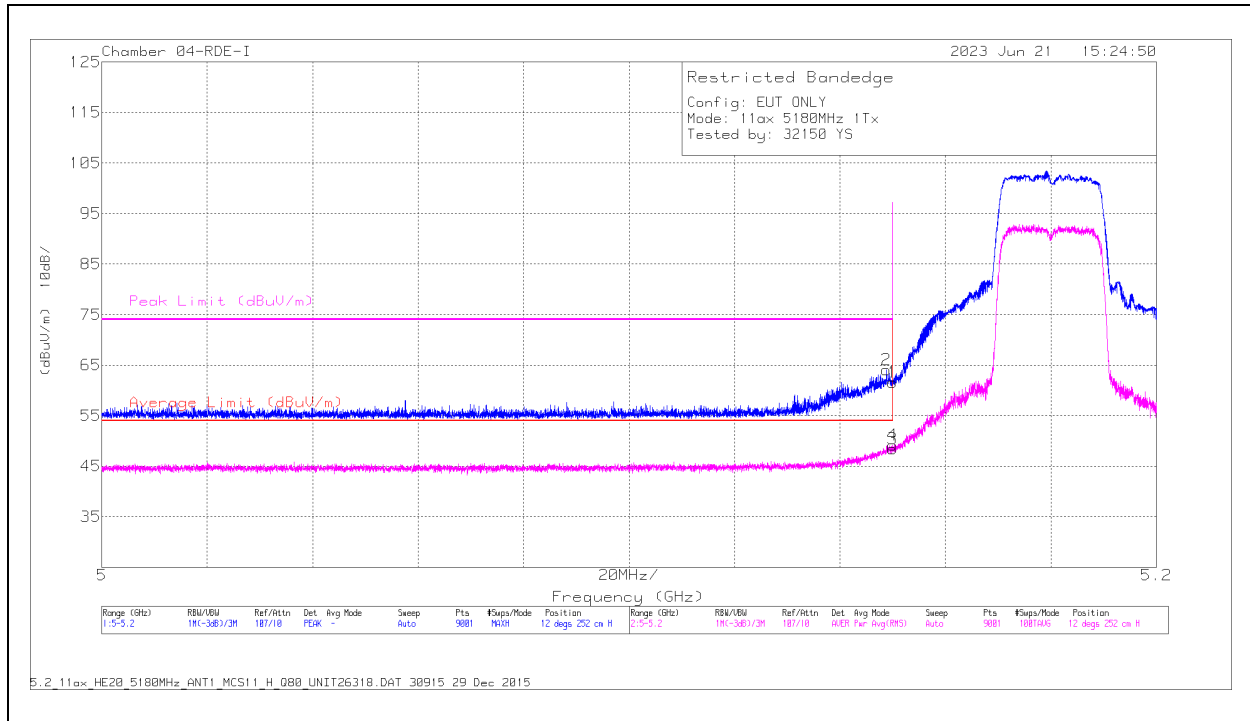
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.1472	63.06	Pk	34.6	0	-38.62	59.04	-	-	74	-14.96	303	380	V
4	5.14981	48.51	RMS	34.6	0.53	-38.5	45.14	54	-8.86	-	-	303	380	V
1	5.15	60.7	Pk	34.6	0	-38.49	56.81	-	-	74	-17.19	303	380	V
3	5.15	47.83	RMS	34.6	0.53	-38.49	44.47	54	-9.53	-	-	303	380	V

Pk - Peak detector
 RMS - RMS detection

1TX Antenna 5 MODE: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

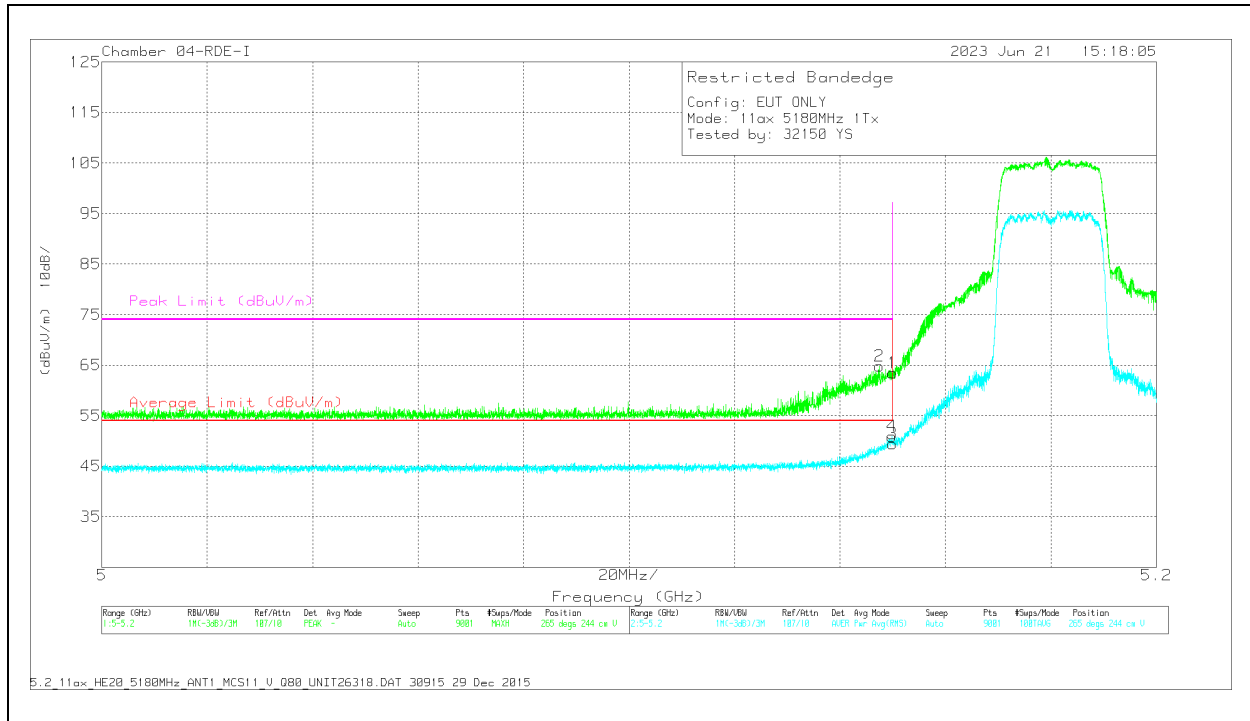


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	84797 ACF (dB) - 3mM	Ch/Amp (dB)	DCCF (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.78	Pk	34.2	-17.4	0	61.58	-	-	74	-12.42	12	252	H
2	* 5.148821	47.12	Pk	34.2	-17.3	0	64.02	-	-	74	-9.98	12	252	H
3	* 5.15	31.06	RMS	34.2	-17.4	0.61	48.47	54	-5.53	-	-	12	252	H
4	* 5.149932	31.79	RMS	34.2	-17.4	0.61	49.2	54	-4.8	-	-	12	252	H

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

VERTICAL RESULT



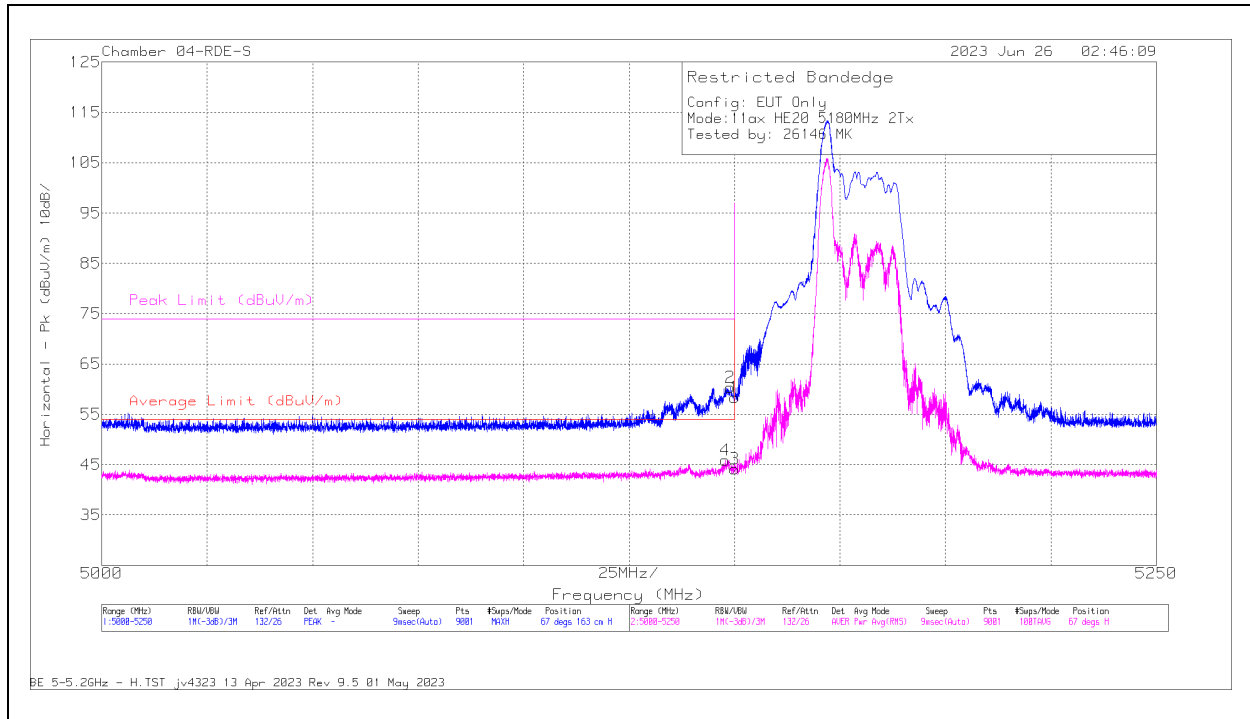
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Cb/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.71	Pk	34.2	-17.4	0	63.51	-	-	74	-10.49	265	244	V
2	* 5.147487	47.88	Pk	34.2	-17.3	0	64.78	-	-	74	-9.22	265	244	V
3	* 5.15	31.99	RMS	34.2	-17.4	0.61	49.4	54	-4.6	-	-	265	244	V
4	* 5.149865	33.55	RMS	34.2	-17.4	0.61	50.96	54	-3.04	-	-	265	244	V

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

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

HORIZONTAL RESULT

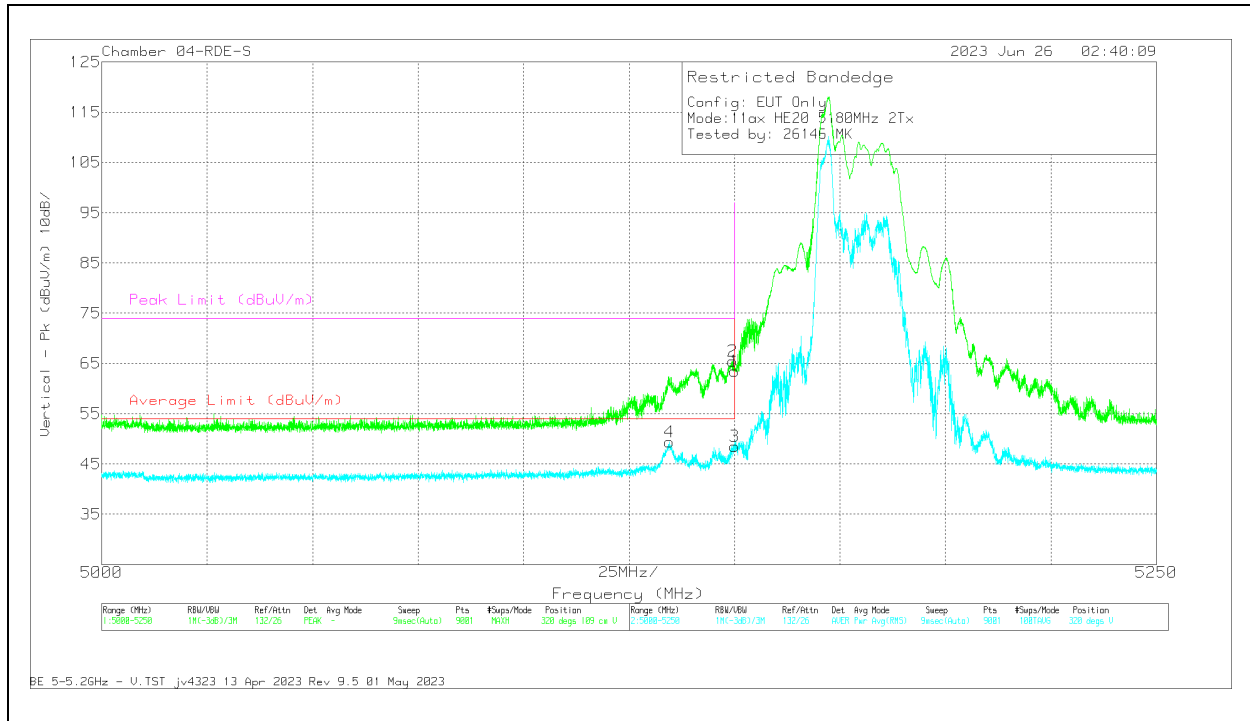


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	62.46	Pk	34.3	0	-38.38	58.38	-	-	74	-15.62	67	163	H
2	* 5149.001	64.45	Pk	34.3	0	-38.38	60.37	-	-	74	-13.63	67	163	H
3	* 5150	47.72	RMS	34.3	.53	-38.38	44.17	54	-8.83	-	-	67	163	H
4	* 5147.807	49.45	RMS	34.3	.53	-38.37	45.91	54	-8.09	-	-	67	163	H

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

VERTICAL RESULT



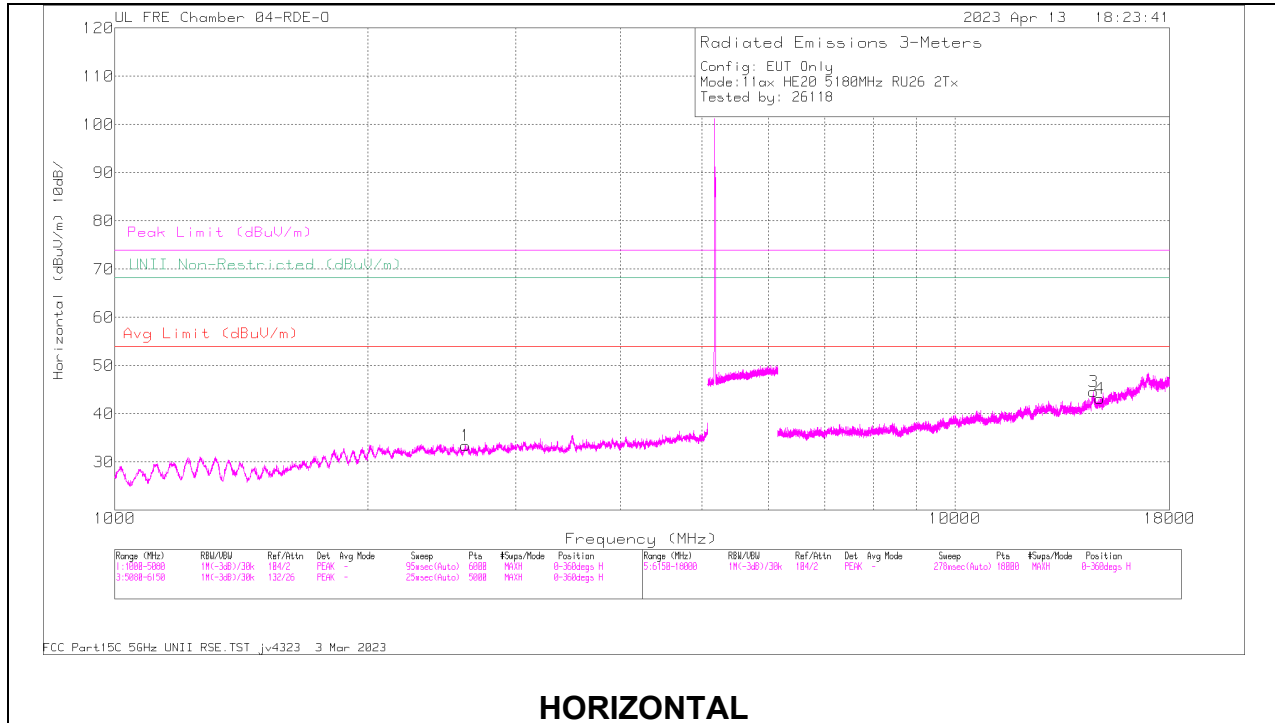
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	67.6	Pk	34.3	0	-38.38	63.92	-	-	74	-10.48	320	109	V
2	* 5149.64	69.59	Pk	34.3	0	-38.38	65.51	-	-	74	-8.49	320	109	V
3	* 5150	52.07	RMS	34.3	53	-38.38	48.52	54	-5.48	-	-	320	109	V
4	* 5134.529	52.93	RMS	34.3	53	-38.4	49.36	54	-4.64	-	-	320	109	V

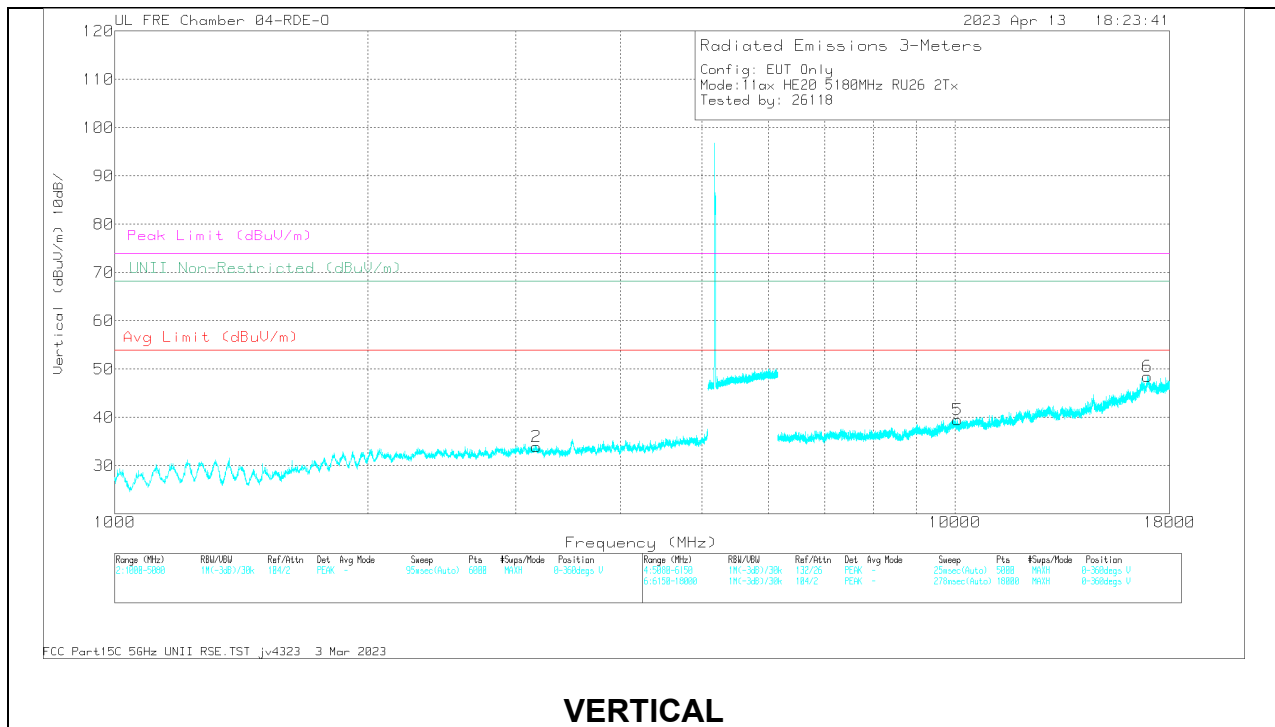
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 RMS - RMS detection

1.1.8. 5.2GHz 11ax, HE20 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



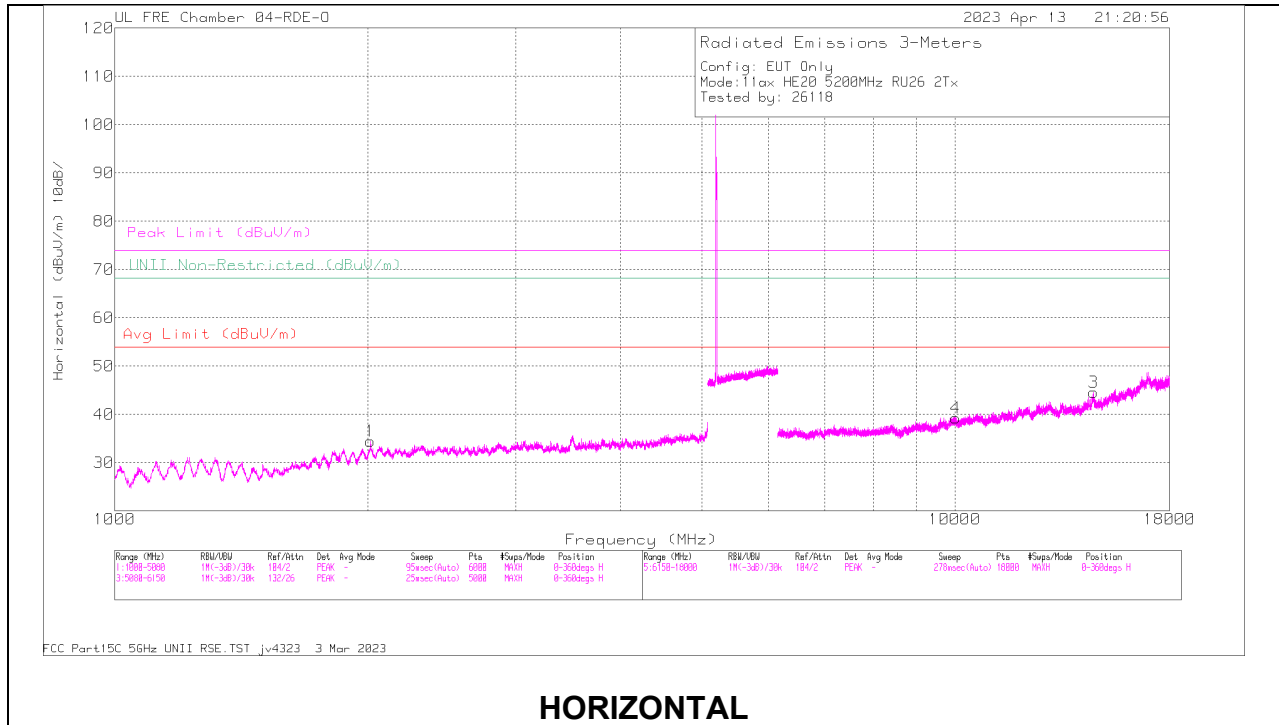
VERTICAL

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_AC F(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2615.732	57.82	PK-U	32.6	-46.61	43.81	68.2	-24.39	0	100	H
	2618	45.8	ADR	32.6	-46.61	31.79	-	-	0	100	H
2	3173.807	44.87	ADR	32.9	-45.5	32.27	-	-	0	201	V
	3175.089	56.19	PK-U	32.9	-45.47	43.62	68.2	-24.58	0	201	V
5	10075.472	40.72	ADR	37.4	-41.5	36.62	-	-	0	201	V
	10076.492	52.74	PK-U	37.4	-41.51	48.63	68.2	-19.57	0	201	V
3	14612.951	52.67	PK-U	39.7	-38.08	54.29	68.2	-13.91	0	100	H
	14613.518	40.93	ADR	39.7	-38.07	42.56	-	-	0	100	H
4	14868.877	52.48	PK-U	39.9	-40.11	52.27	68.2	-15.93	0	100	H
	14870.133	41.07	ADR	39.9	-40.06	40.91	-	-	0	100	H
6	16940.602	42.13	ADR	43.1	-39.35	45.88	-	-	0	200	V
	16941.212	54.05	PK-U	43.1	-39.38	57.77	68.2	-10.43	0	200	V

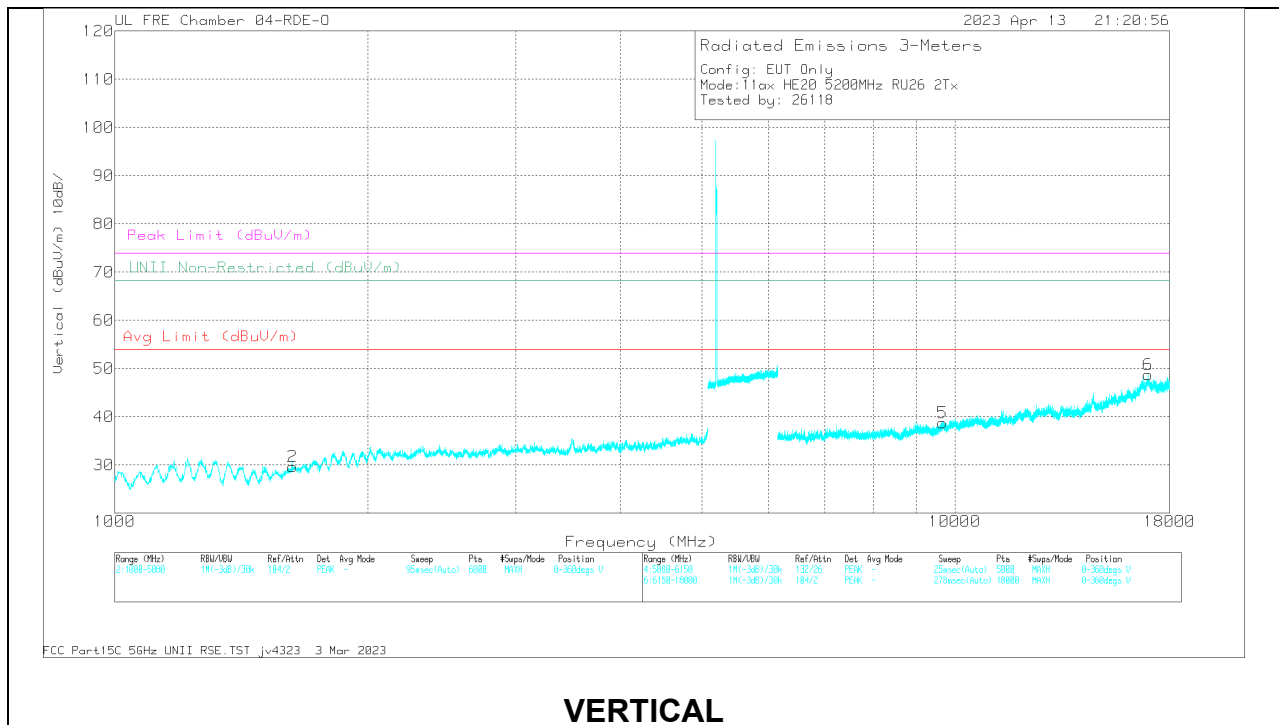
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL

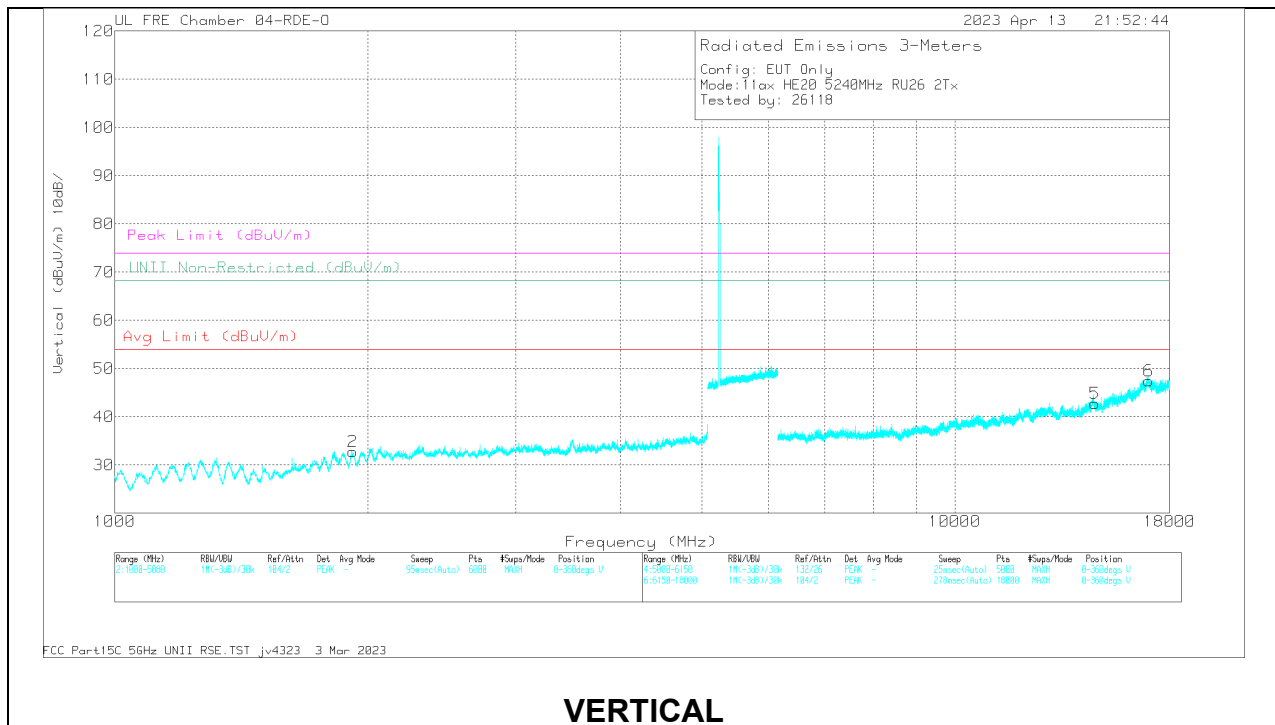
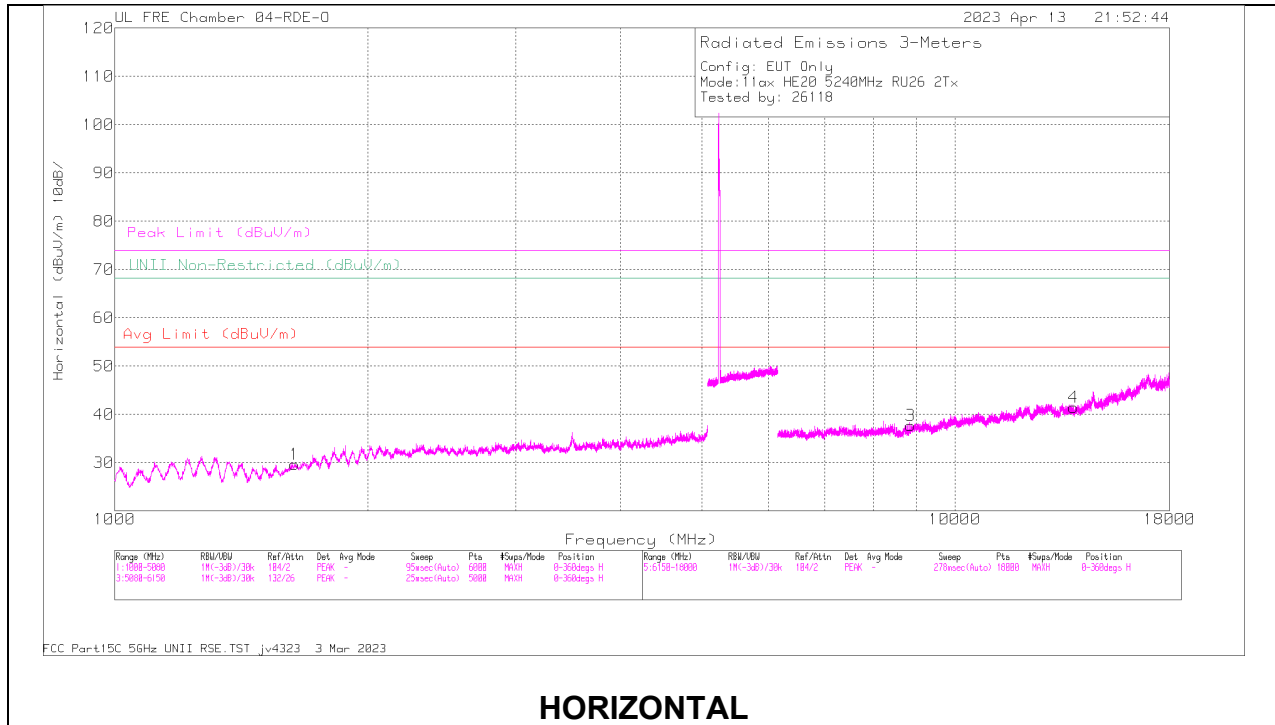


VERTICAL

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_AC F(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1630.782	57.56	PK-U	28.9	-46.77	39.69	68.2	-28.51	106	201	V
1	2012.914	58.7	PK-U	31.6	-46.75	43.55	68.2	-24.65	194	119	H
5	9670.924	52.5	PK-U	36.8	-41.74	47.56	68.2	-20.64	0	201	V
3	10020.436	52.3	PK-U	37.2	-40.8	48.7	68.2	-19.5	0	100	H
4	14612.378	52.46	PK-U	39.7	-38.11	54.05	68.2	-14.15	0	100	H
6	16976.994	52.55	PK-U	43	-38.29	57.26	68.2	-10.94	0	200	V

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

HIGH CHANNEL RESULTS



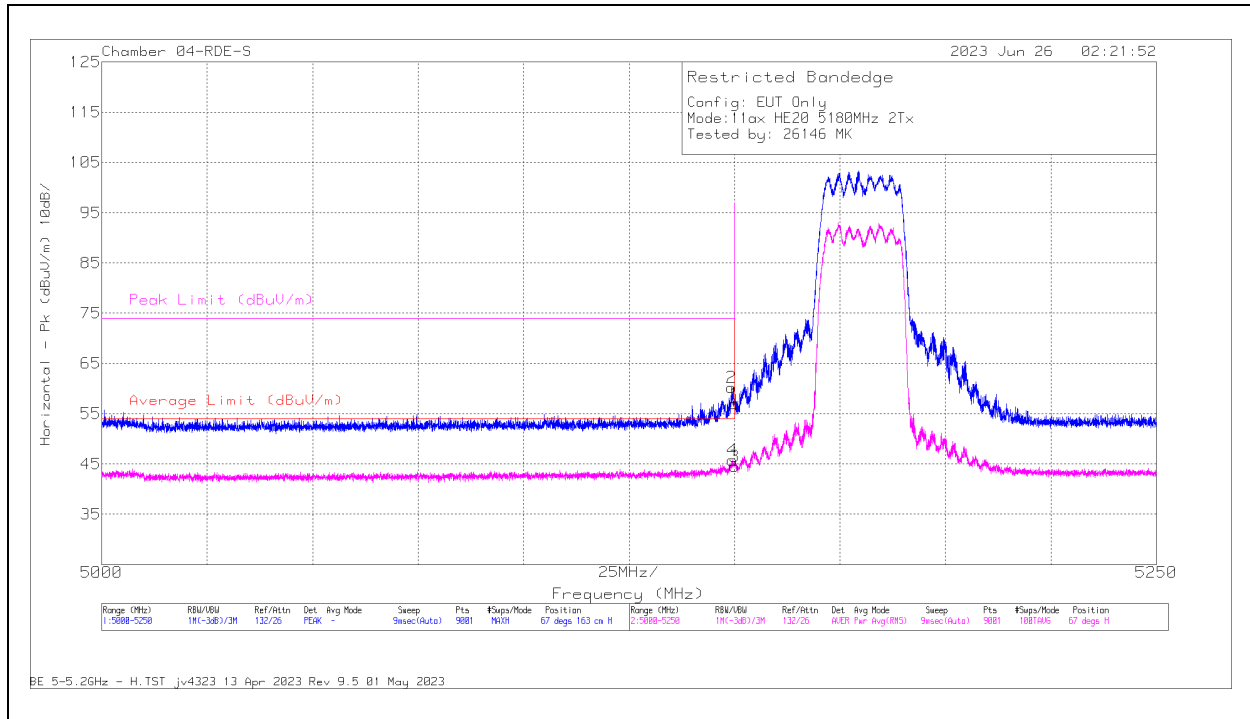
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_AC F(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1635.482	57.89	PK-U	29	-46.76	40.13	68.2	-28.07	360	100	H
2	1921.41	59.2	PK-U	31.1	-46.81	43.49	68.2	-24.71	360	201	V
3	8863.383	52.39	PK-U	36.1	-41.43	47.06	68.2	-21.14	360	100	H
4	13835.392	52.06	PK-U	38.8	-40.3	50.56	68.2	-17.64	360	100	H
5	14667.658	52.44	PK-U	39.7	-39.99	52.15	68.2	-16.05	360	201	V
6	16999.696	53.15	PK-U	43.1	-39.18	57.07	68.2	-11.13	360	200	V

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

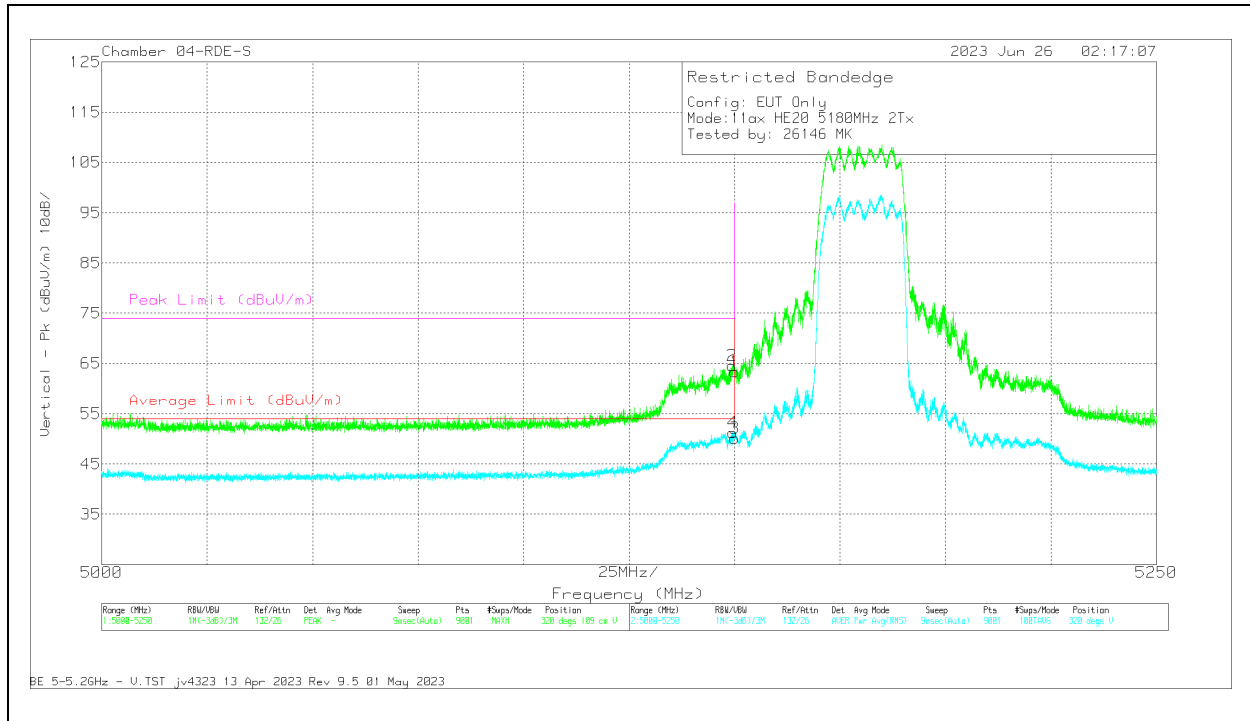


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	61.06	Pk	34.3	0	-38.38	56.98	-	-	74	-17.02	67	163	H
2	* 5149.223	64.26	Pk	34.3	0	-38.38	60.18	-	-	74	-13.82	67	163	H
3	* 5150	48.02	RMS	34.3	.61	-38.38	44.55	54	-9.45	-	-	67	163	H
4	* 5149.501	49.29	RMS	34.3	.61	-38.38	45.82	54	-8.18	-	-	67	163	H

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

VERTICAL RESULT



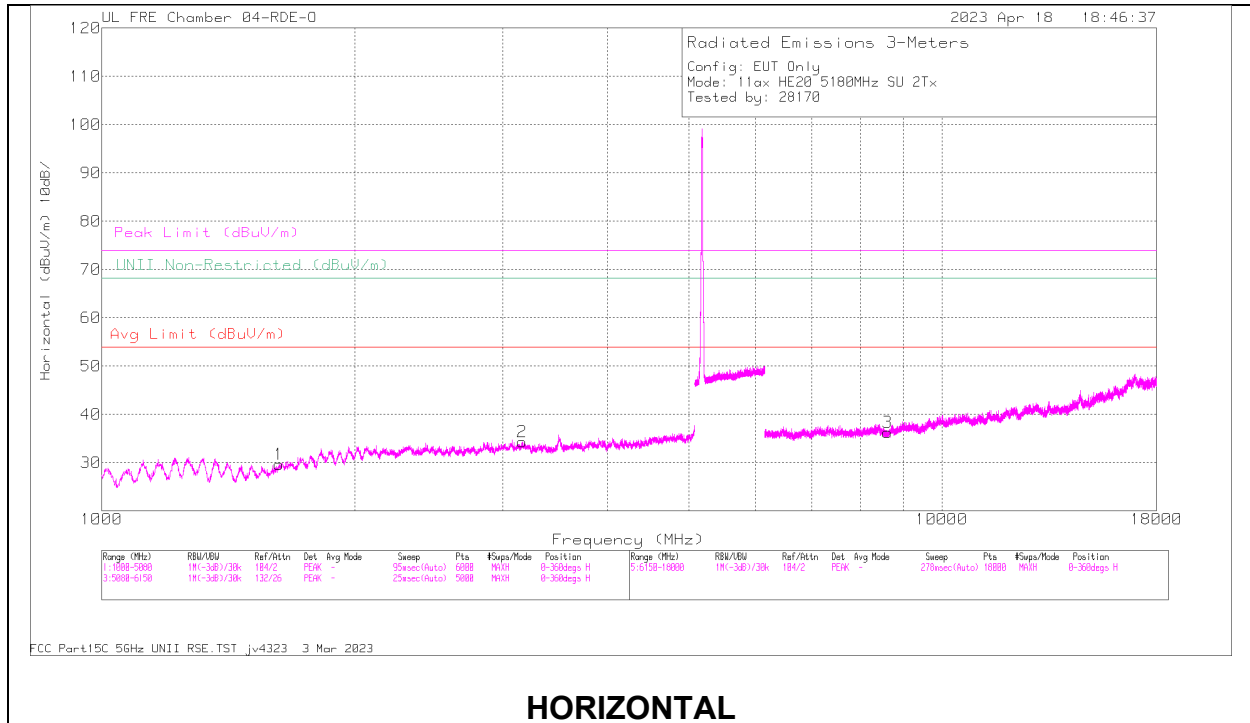
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	67.44	Pk	34.3	0	-38.38	63.36	-	-	74	-10.64	320	109	V
2	* 5149.418	66.64	Pk	34.3	0	-38.38	64.56	-	-	74	-9.44	320	109	V
3	* 5150	53.65	RMS	34.3	.61	-38.38	50.18	54	-3.82	-	-	320	109	V
4	* 5149.585	54.77	RMS	34.3	.61	-38.38	51.3	54	-2.7	-	-	320	109	V

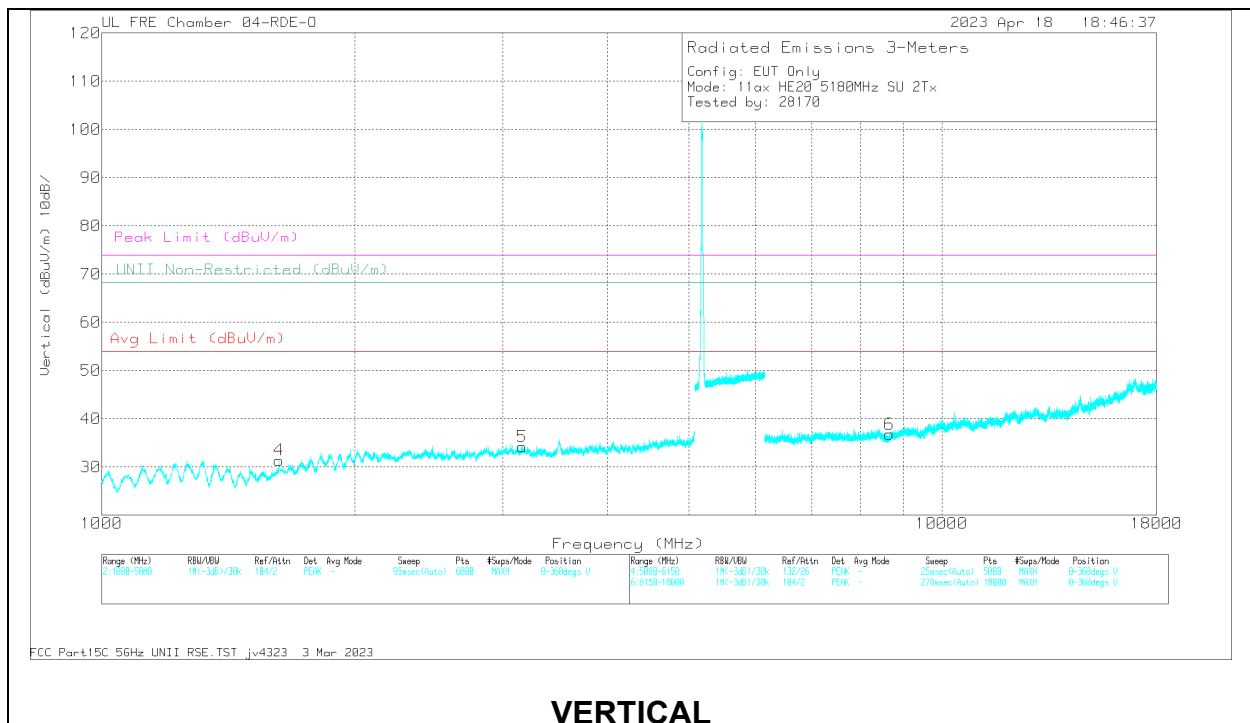
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

1.1.9. 5.2GHz 11ax, HE20 SU 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



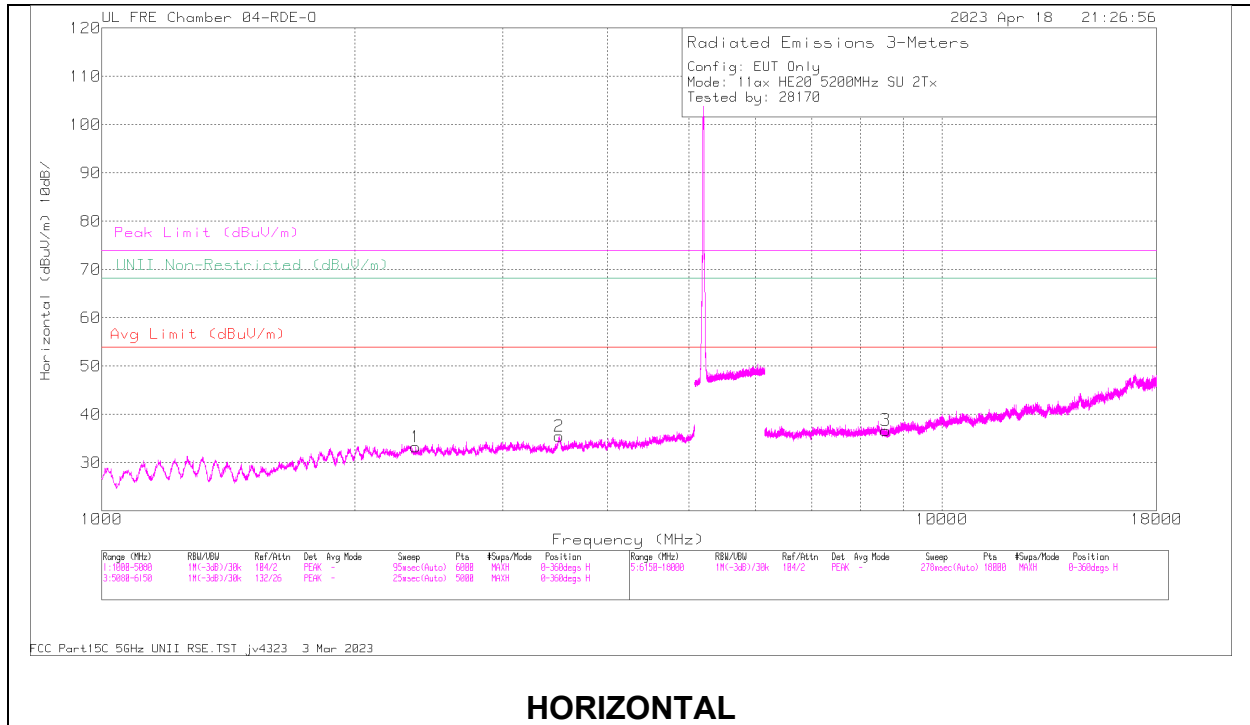
VERTICAL

RADIATED EMISSIONS

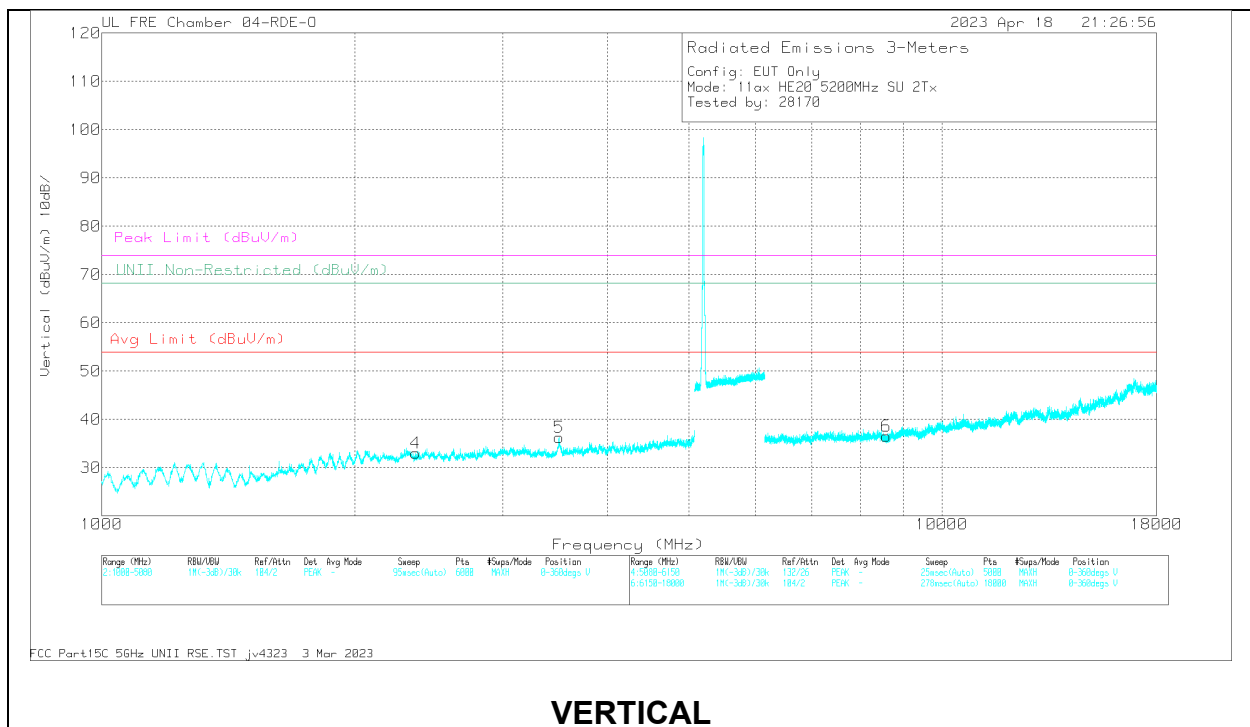
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1625.693	58.06	PK-U	28.8	-46.7	40.16	-	-	74	-33.84	-	-	360	100	H
	* 1625.062	46.59	ADR	28.8	-46.72	28.67	54	-25.33	-	-	-	-	360	100	H
4	* 1622.421	57.5	PK-U	28.8	-46.64	39.66	-	-	74	-34.34	-	-	358	187	V
	* 1625.301	46.13	ADR	28.8	-46.71	28.22	54	-25.78	-	-	-	-	358	187	V
2	3168.094	56.24	PK-U	32.9	-45.52	43.62	-	-	-	-	68.2	-24.58	360	100	H
5	3168.154	56.36	PK-U	32.9	-45.52	43.74	-	-	-	-	68.2	-24.46	358	200	V
3	8618.156	51.99	PK-U	36	-41.55	46.44	-	-	-	-	68.2	-21.76	358	100	H
6	8654.03	52.18	PK-U	36.1	-41.5	46.78	-	-	-	-	68.2	-21.42	358	201	V

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

MID CHANNEL RESULTS

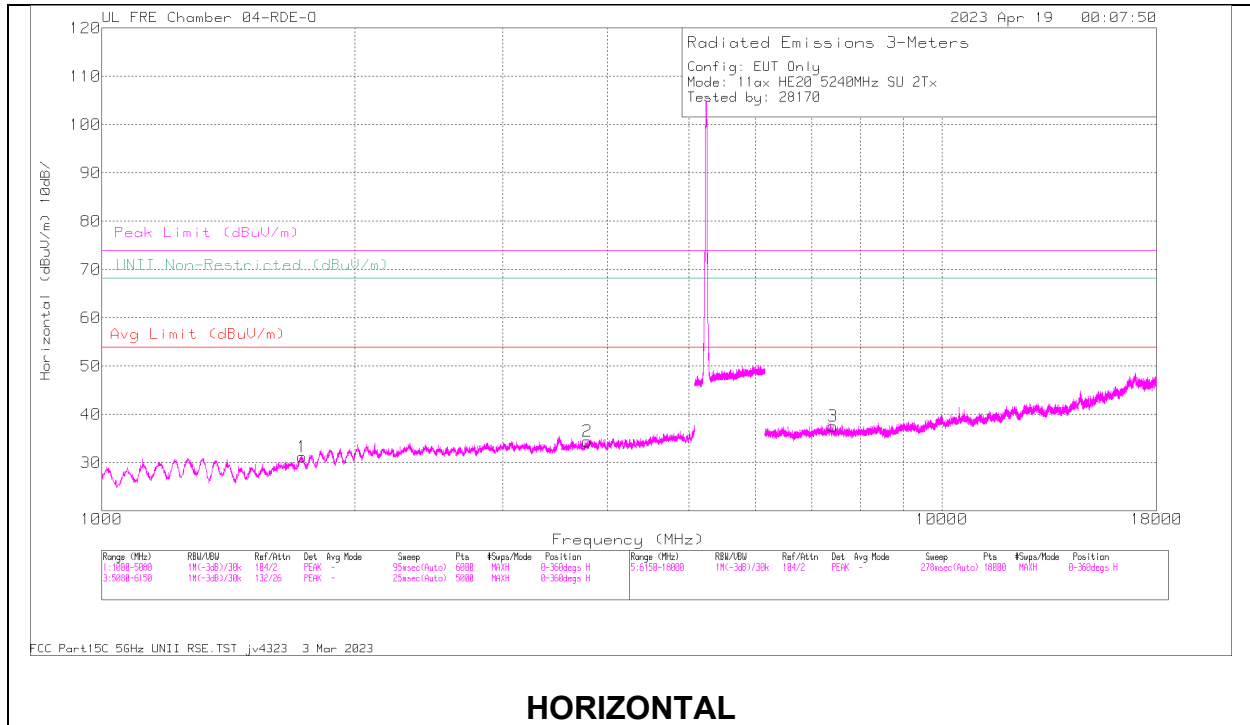


HORIZONTAL

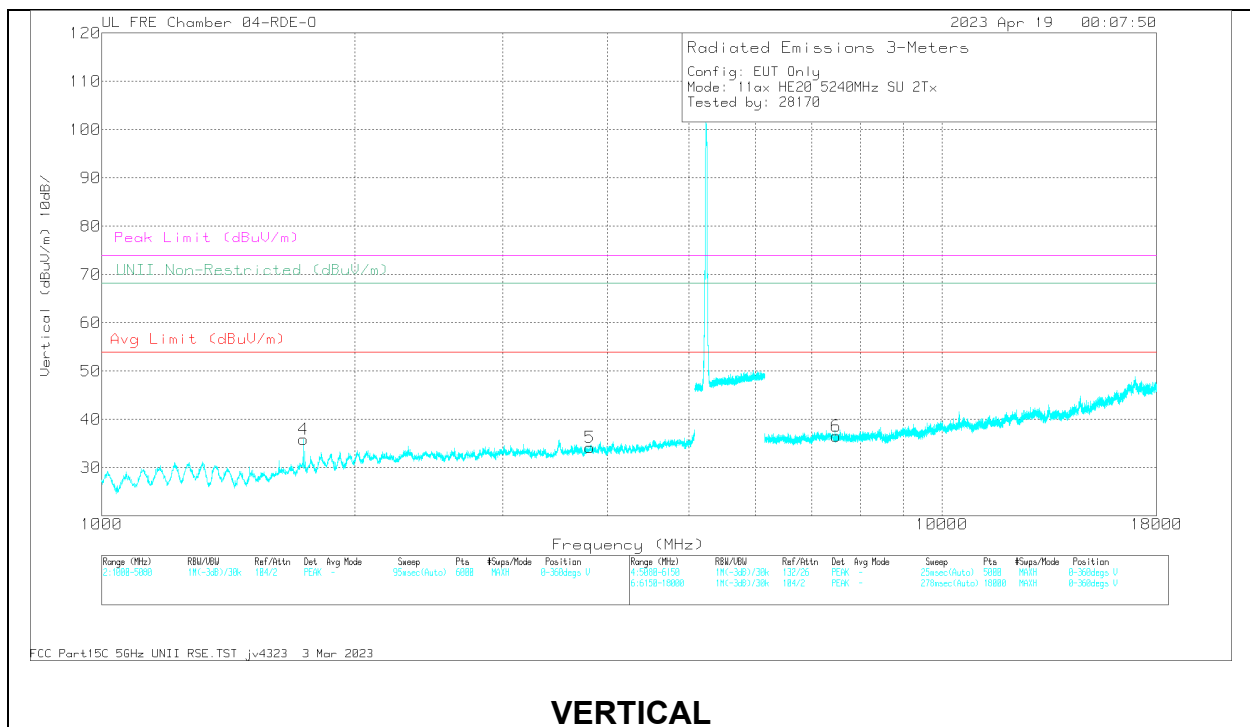


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3783.171	55.77	PK-U	33.5	-45.15	44.12	-	-	74	-29.88	-	-	5	100	H
	* 3782.901	44.13	ADR	33.5	-45.16	32.47	54	-21.53	-	-	-	-	5	100	H
5	* 3809.868	55.78	PK-U	33.8	-44.94	44.64	-	-	74	-29.36	-	-	5	201	V
	* 3811.011	44.26	ADR	33.8	-44.96	33.1	54	-20.9	-	-	-	-	5	201	V
2	* 7423.663	53.07	PK-U	35.9	-42.31	46.66	-	-	74	-27.34	-	-	5	100	H
	* 7424.978	41.64	ADR	36.1	-42.3	35.44	54	-18.56	-	-	-	-	5	100	H
6	* 7486.663	53.01	PK-U	36	-42.35	46.66	-	-	74	-27.34	-	-	5	201	V
	* 7489.797	41.54	ADR	36.1	-42.34	35.3	54	-18.7	-	-	-	-	5	201	V
3	1731.152	46.52	ADR	29.8	-46.8	29.52	-	-	-	-	-	-	5	100	H
	1731.528	58.6	PK-U	29.8	-46.78	41.62	-	-	-	-	68.2	-26.58	5	100	H
4	1736.366	46.05	ADR	30	-46.7	29.35	-	-	-	-	-	-	5	201	V
	1736.49	57.84	PK-U	30	-46.71	41.13	-	-	-	-	68.2	-27.07	5	201	V

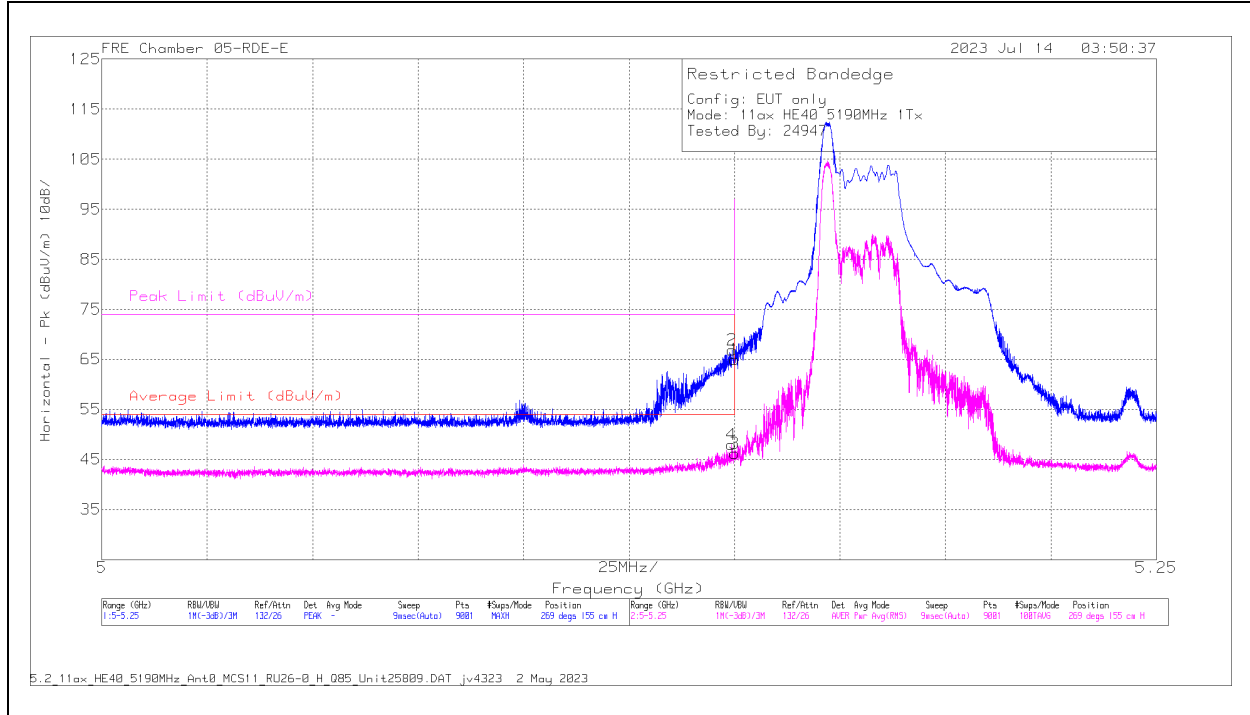
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

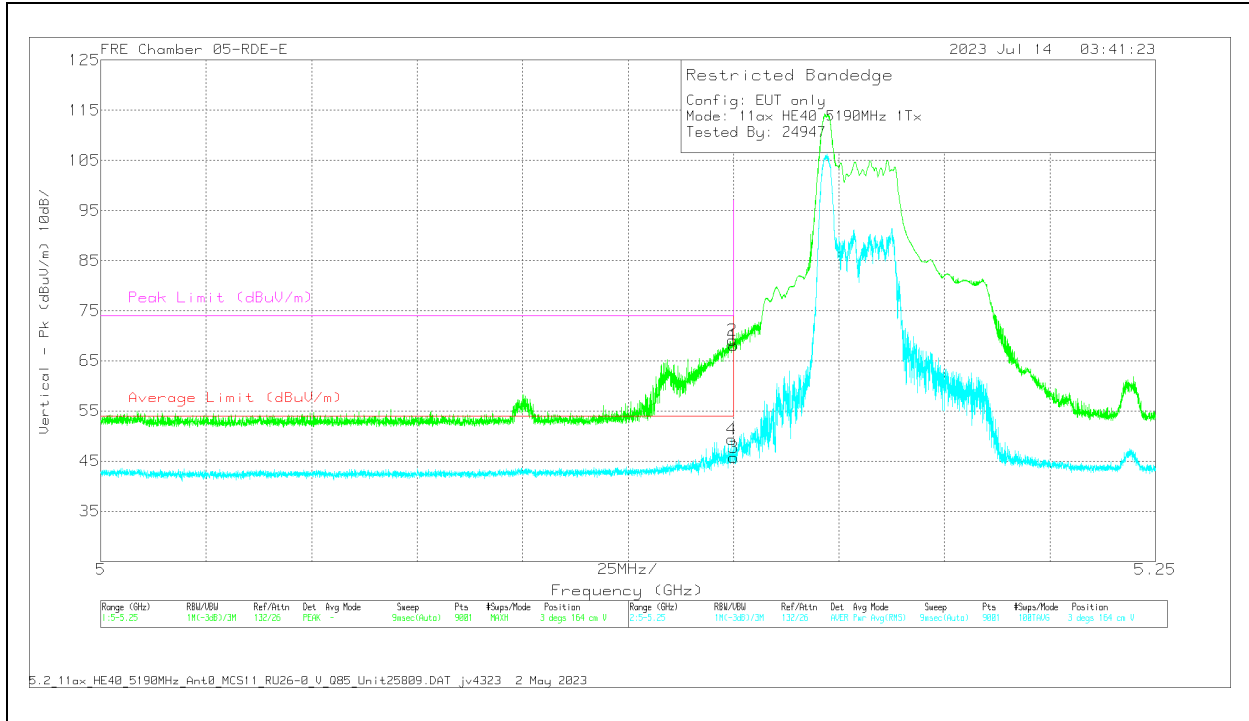


Trace Markers

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	5.149307	51.97	RMS	34.3	.49	-38.81	47.95	54	-6.05	-	-	269	155	H
2	5.14939	71.33	PK	34.3	0	-38.81	66.82	-	-	74	-7.18	269	155	H
1	5.15	69.52	PK	34.3	0	-38.81	65.01	-	-	74	-8.99	269	155	H
3	5.15	50.2	RMS	34.3	.49	-38.81	46.18	54	-7.82	-	-	269	155	H

PK - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

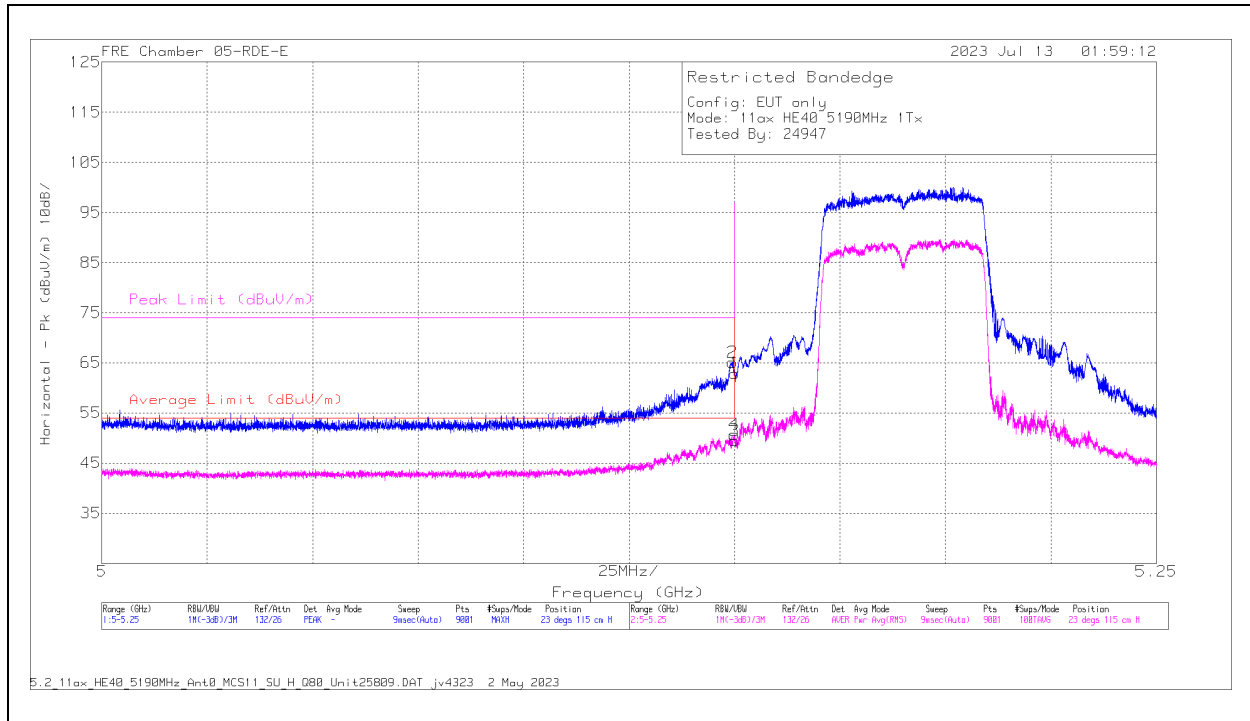
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 AC/F (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.149529	53.4	RMS	34.3	.49	-38.81	49.38	54	-4.62	-	-	3	164	V
2	5.149723	73.99	PK	34.3	0	-38.81	69.08	-	-	74	-4.92	3	164	V
1	5.15	72.96	PK	34.3	0	-38.81	68.05	-	-	74	-5.95	3	164	V
3	5.15	49.75	RMS	34.3	.49	-38.81	45.73	54	-8.27	-	-	3	164	V

Pk - Peak detector
RMS - RMS detection

1TX Antenna 6 MODE: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

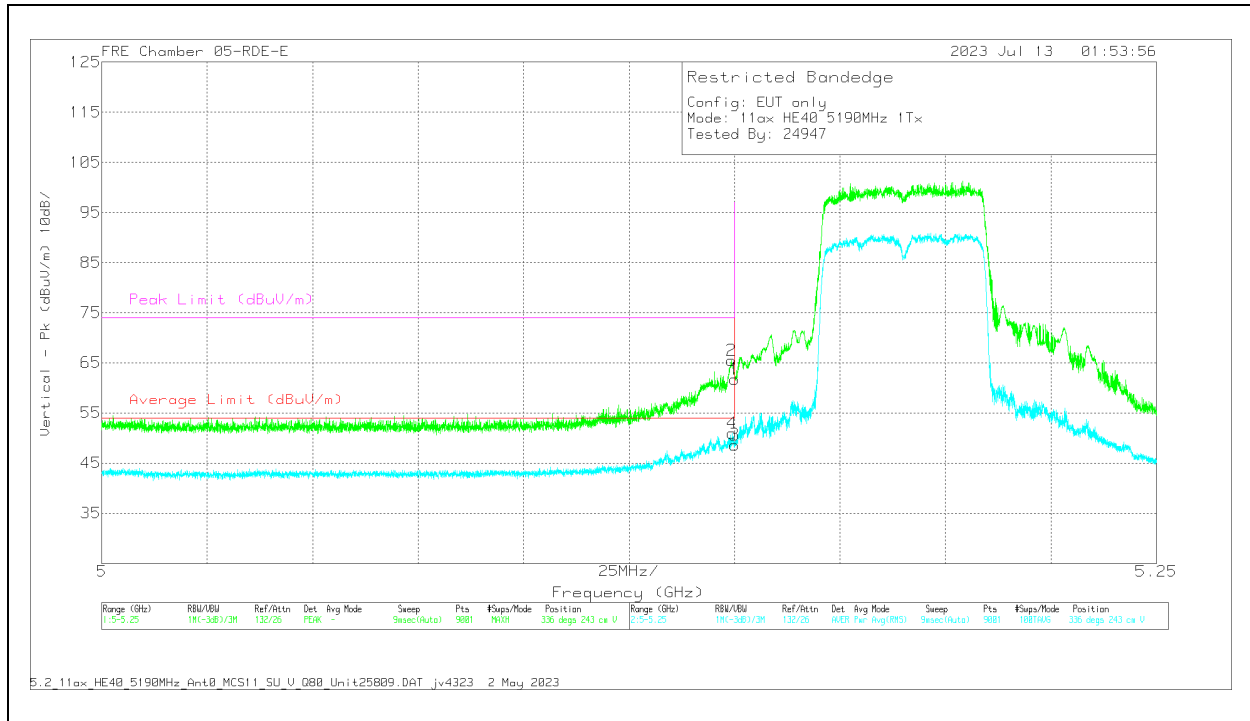


Trace Markers

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	5.149501	69.66	Pk	34.3	0	-38.81	65.15	-	-	74	-8.85	23	115	H
4	5.149946	54.34	RMS	34.3	.84	-38.81	50.67	54	-3.33	-	-	23	115	H
1	5.15	67.43	Pk	34.3	0	-38.81	62.92	-	-	74	-11.08	23	115	H
3	5.15	53.2	RMS	34.3	.84	-38.81	49.53	54	-4.47	-	-	23	115	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

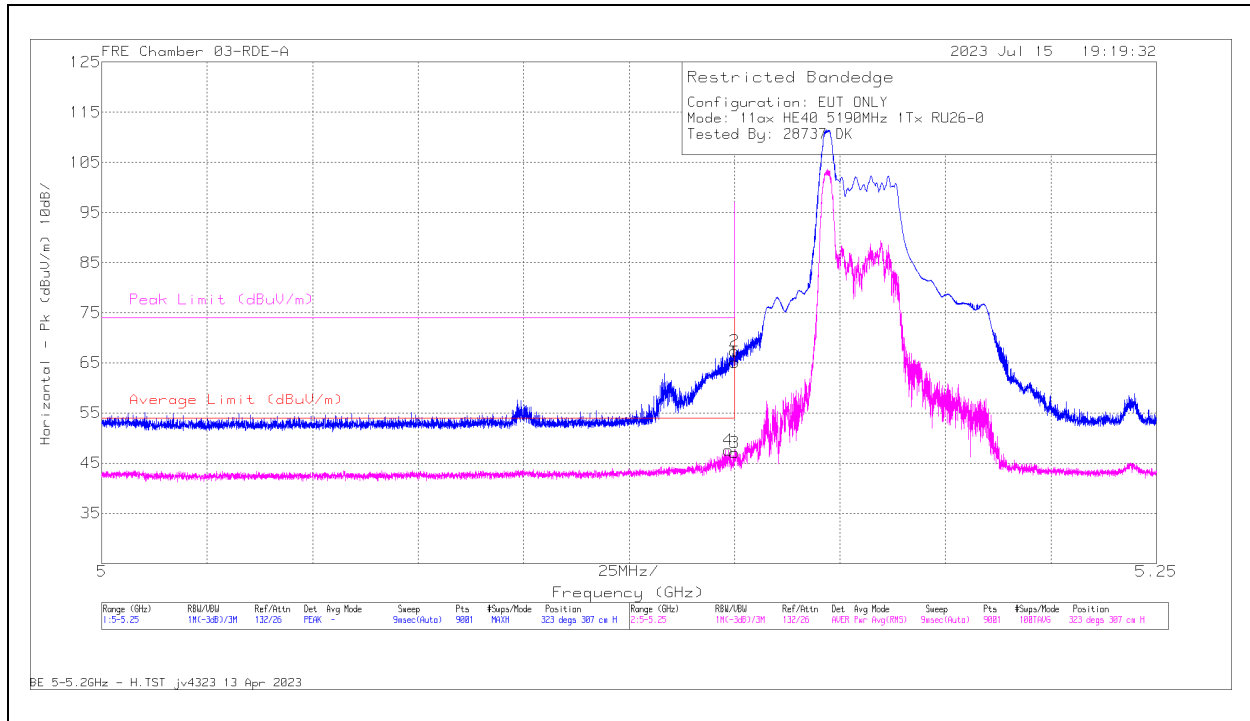
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.149223	69.96	PK	34.3	0	-38.81	65.45	-	-	74	-8.55	336	243	V
4	5.149446	54.59	RMS	34.3	.84	-38.81	50.92	54	-3.08	-	-	336	243	V
1	5.15	66.3	PK	34.3	0	-38.81	61.79	-	-	74	-12.21	336	243	V
3	5.15	52.32	RMS	34.3	.84	-38.81	48.65	54	-5.36	-	-	336	243	V

Pk - Peak detector
 RMS - RMS detection

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

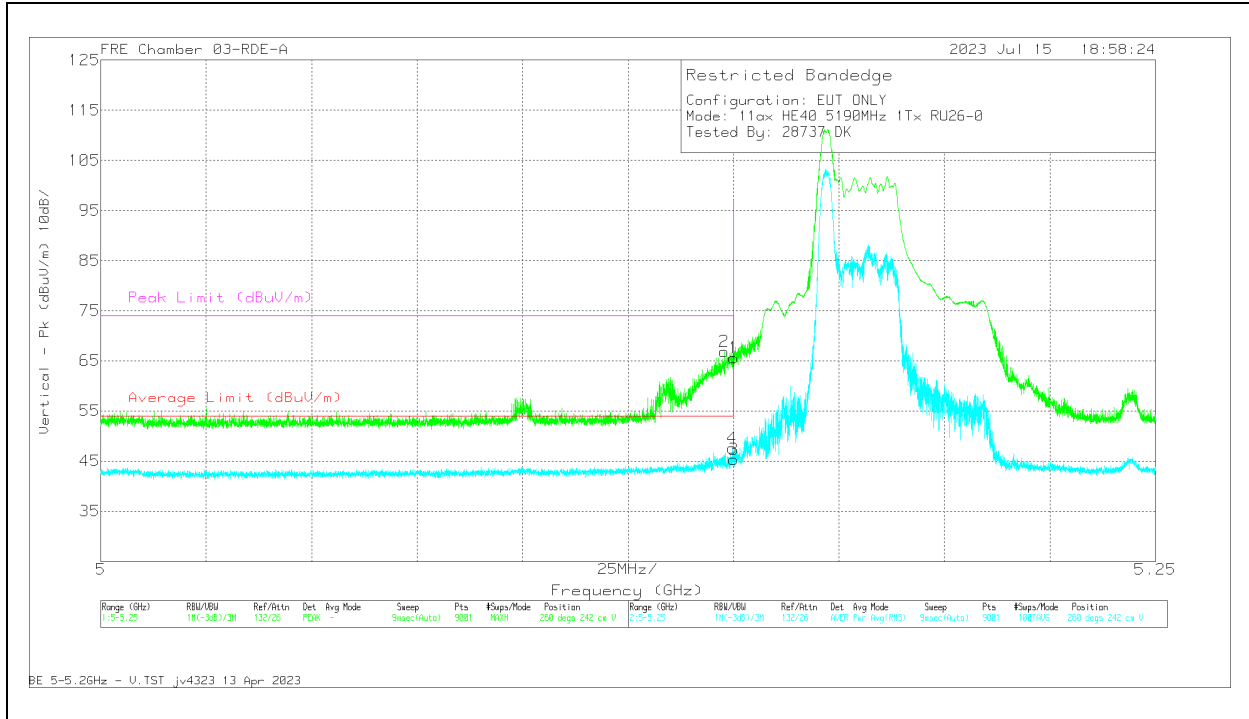


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 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	5.14859	51.78	RMS	34.1	0.49	-38.73	47.62	54	-6.38	-	-	323	307	H
2	5.14997	71.92	Pk	34.1	0	-38.69	67.33	-	-	74	-6.67	323	307	H
1	5.15	69.68	Pk	34.1	0	-38.69	65.09	-	-	74	-8.91	323	307	H
3	5.15	51.21	RMS	34.1	0.49	-38.69	47.11	54	-6.89	-	-	323	307	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

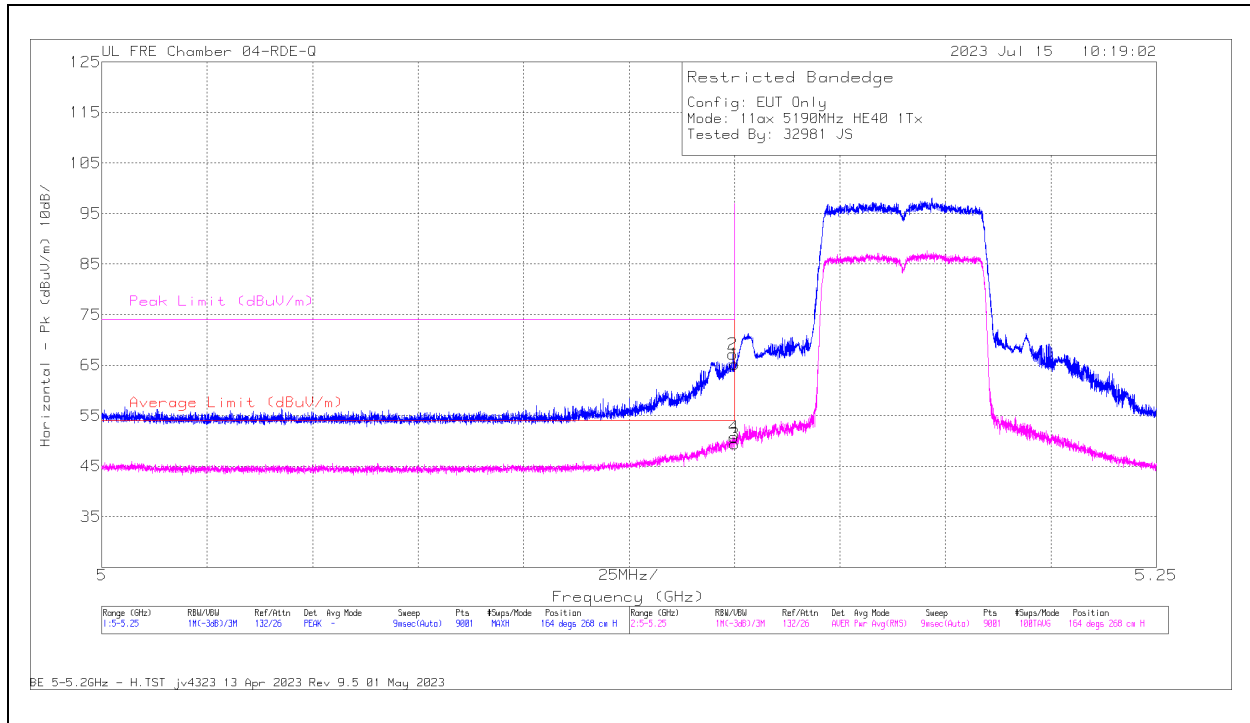
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14772	71.54	Pk	34.1	0	-38.76	66.88	-	-	74	-7.12	260	242	V
4	5.14978	51.69	RMS	34.1	0.49	-38.7	47.58	54	-6.42	-	-	260	242	V
1	5.15	70.24	Pk	34.1	0	-38.69	65.65	-	-	74	-8.35	260	242	V
3	5.15	49.35	RMS	34.1	0.49	-38.69	45.25	54	-8.75	-	-	260	242	V

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5 MODE: SU, Single User

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

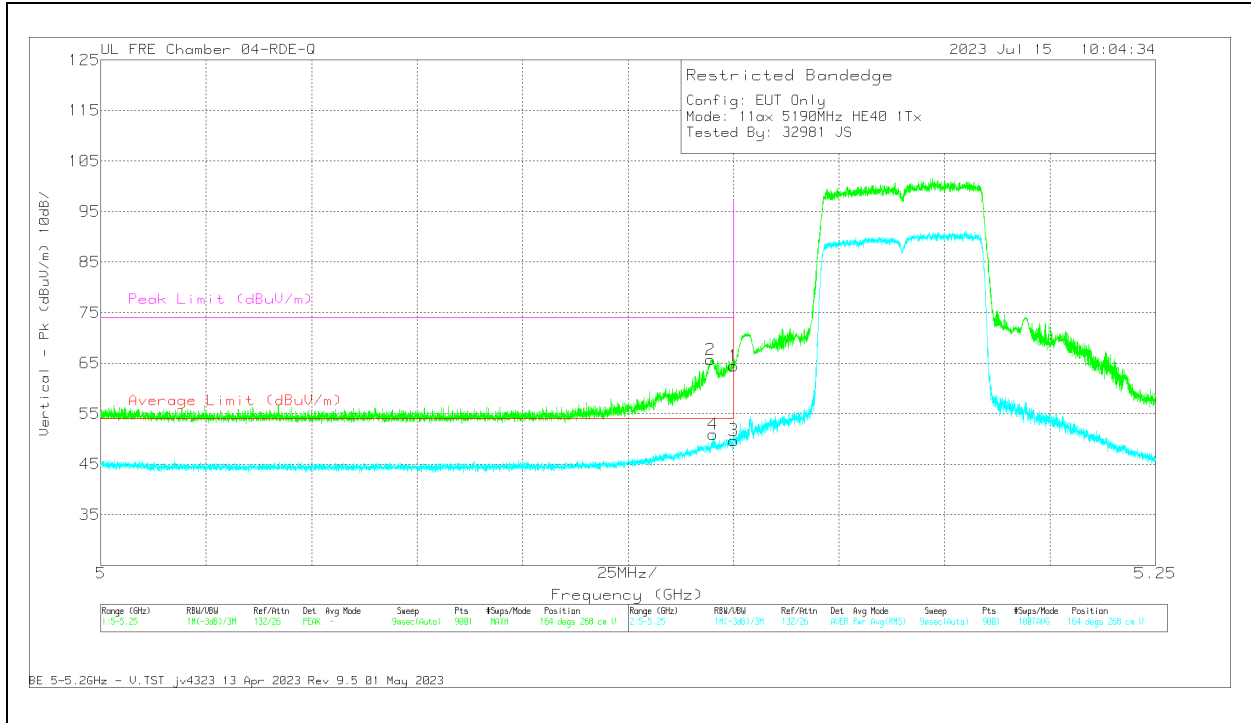


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 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	5.14964	69.72	PK	34.2	0	-36.77	67.15	-	-	74	-6.85	164	268	H
4	5.14981	52.48	RMS	34.2	0.84	-36.77	50.75	54	-3.25	-	-	164	268	H
1	5.15	67.72	PK	34.2	0	-36.77	65.15	-	-	74	-8.85	164	268	H
3	5.15	51.13	RMS	34.2	0.84	-36.77	49.4	54	-4.6	-	-	164	268	H

PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

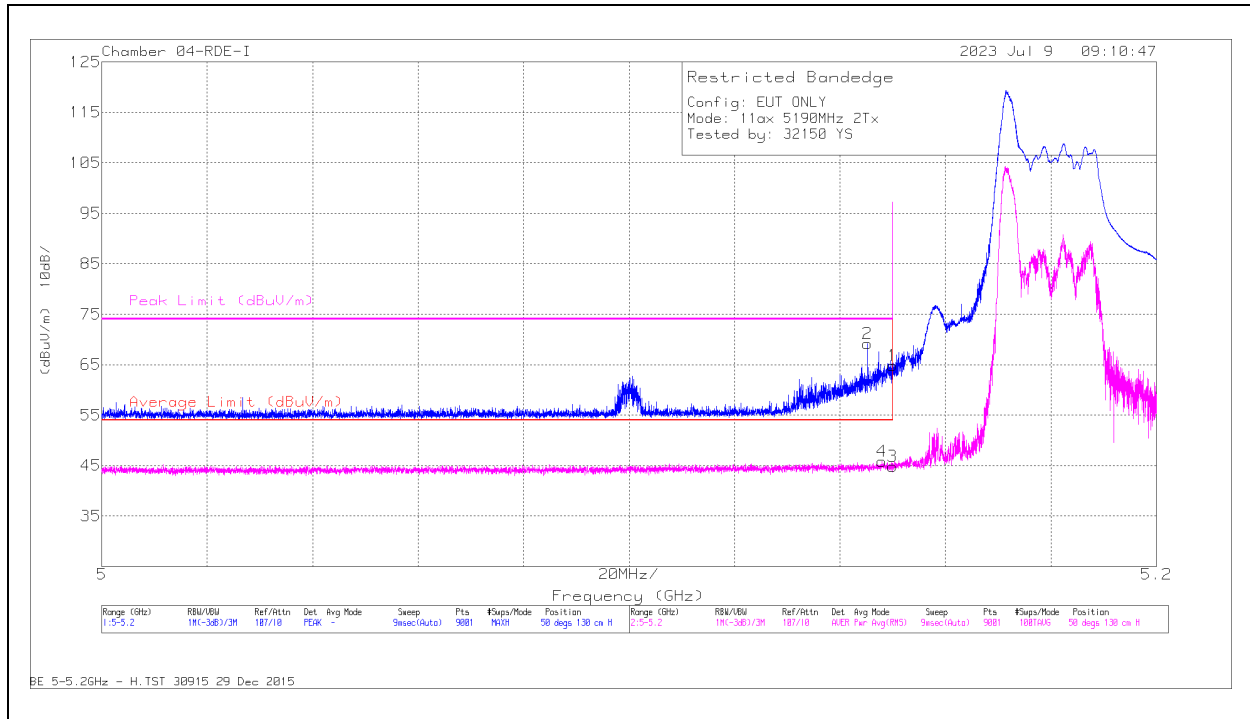
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14458	68.2	Pk	34.2	0	-36.66	65.74	-	-	74	-8.26	164	268	V
4	5.14517	52.47	RMS	34.2	0.84	-36.66	50.85	54	-3.15	-	-	164	268	V
1	5.15	67.07	Pk	34.2	0	-36.77	64.5	-	-	74	-9.5	164	268	V
3	5.15	51.45	RMS	34.2	0.84	-36.77	49.72	54	-4.28	-	-	164	268	V

Pk - Peak detector
 RMS - RMS detection

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

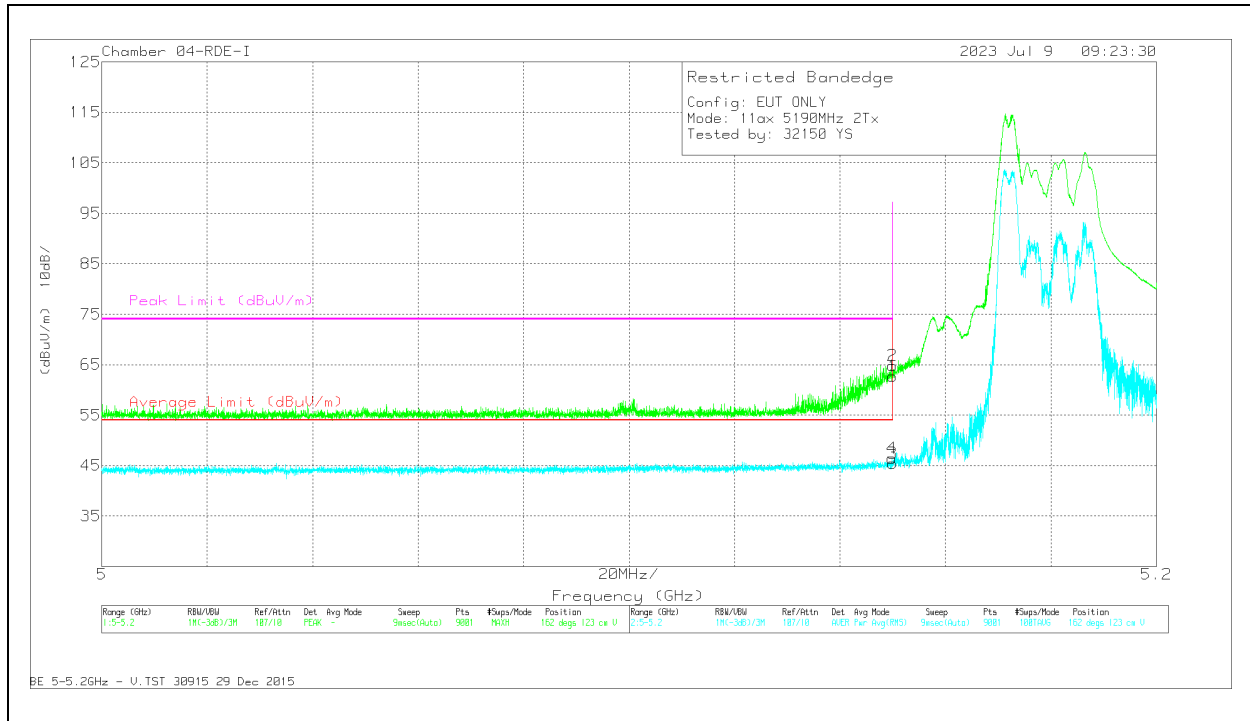


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	84797 ACF (dB) - 3rd	Cl/Amp (dB)	DCCF (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.99	PK	34.2	-17.4	0	64.79	-	-	74	-9.21	50	130	H
2	* 5.145199	52.35	PK	34.2	-17.4	0	69.15	-	-	74	-4.85	50	130	H
3	* 5.15	27.57	RMS	34.2	-17.4	-49	44.86	54	-9.14	-	-	50	130	H
4	* 5.147932	28.35	RMS	34.2	-17.2	-49	45.84	54	-8.16	-	-	50	130	H

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

VERTICAL RESULT



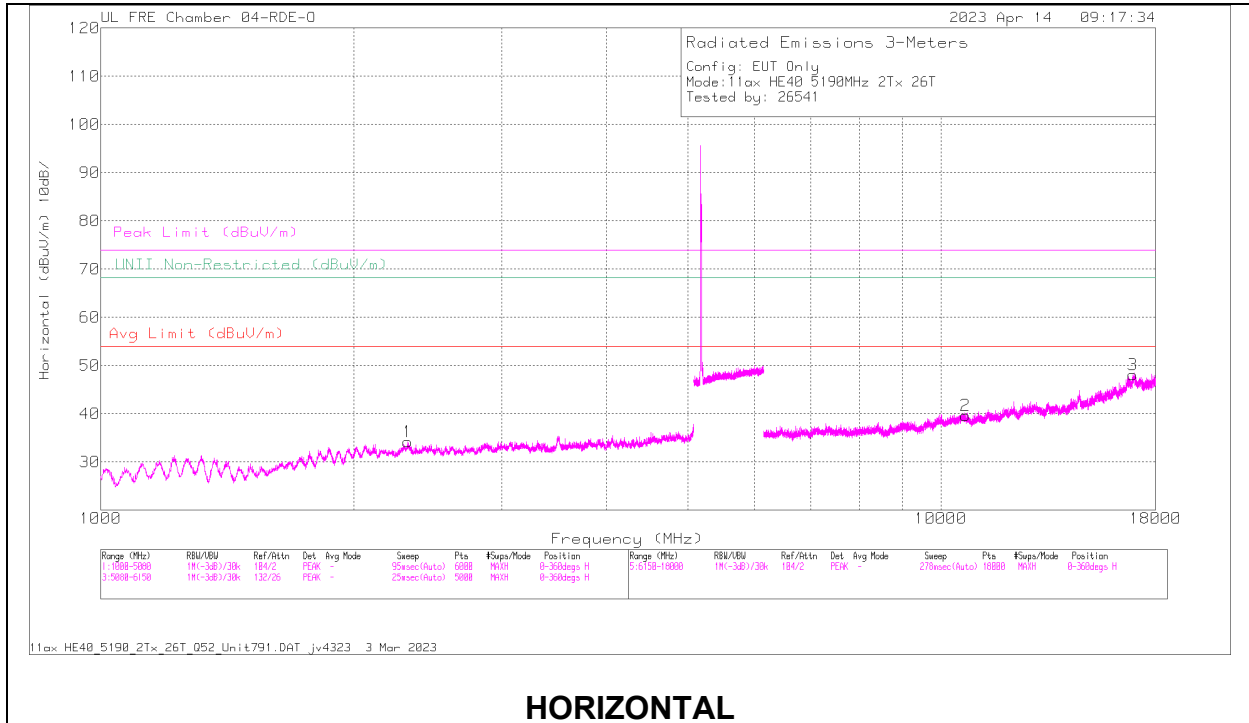
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	84797 ACF (dB) - 3ms	Cb/Amp (dB)	DCCF (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.86	Pk	34.2	-17.4	0	62.66	-	-	74	-11.34	162	123	V
2	* 5.149954	47.98	Pk	34.2	-17.4	0	64.78	-	-	74	-9.22	162	123	V
3	* 5.15	28.16	RMS	34.2	-17.4	-49	45.45	54	-8.55	-	-	162	123	V
4	* 5.149821	29.1	RMS	34.2	-17.4	-49	46.39	54	-7.61	-	-	162	123	V

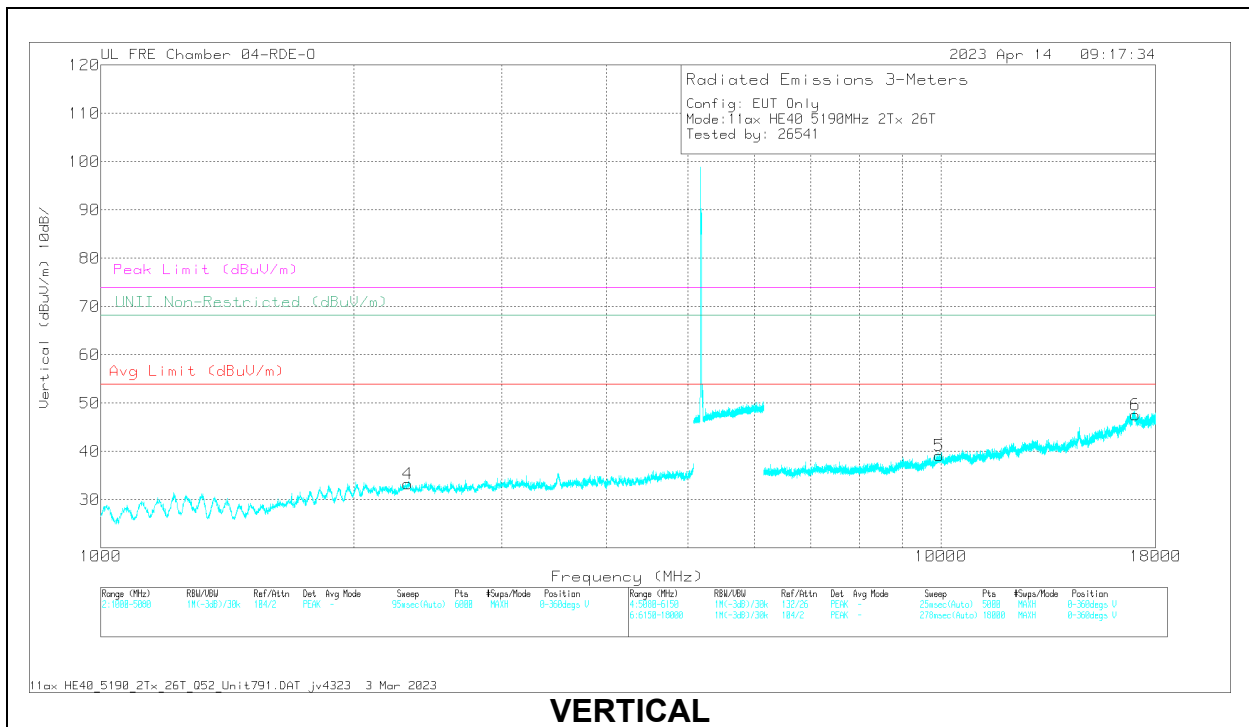
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

1.1.11. 5.2GHz 11ax, HE40 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



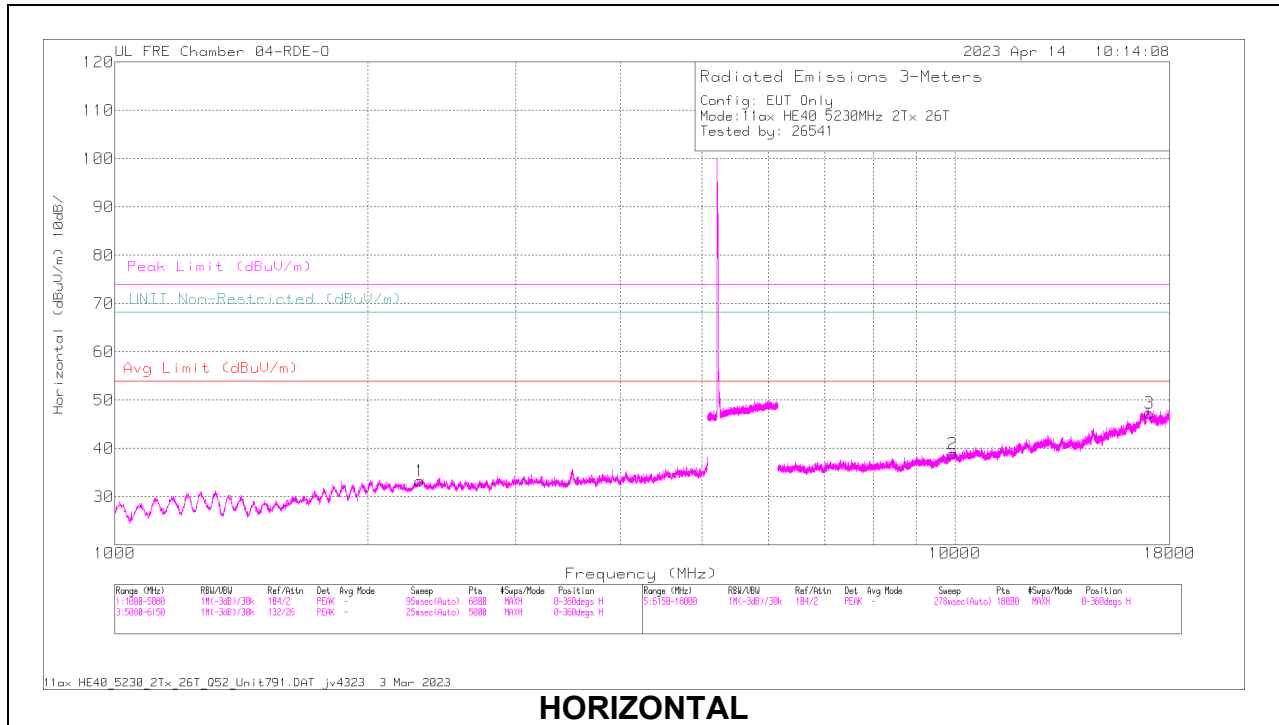
VERTICAL

RADIATED EMISSIONS

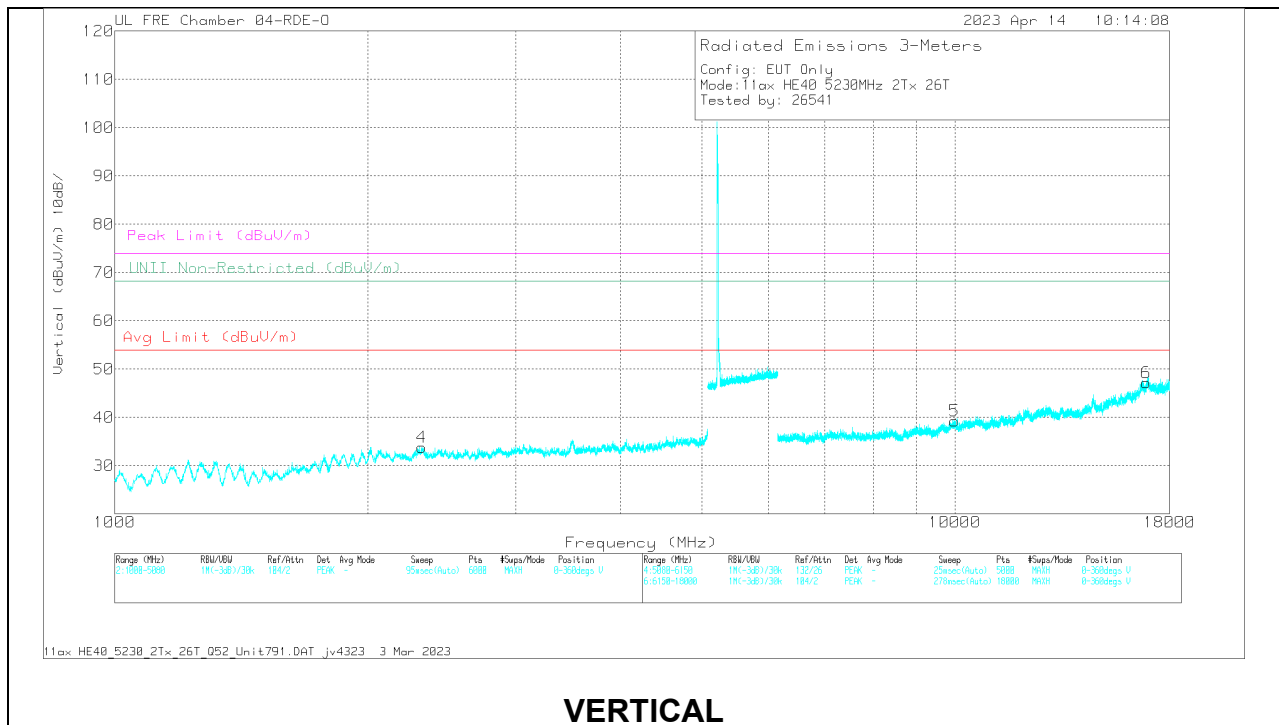
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2316.995	58.28	PK-U	32.7	-46.98	44	-	-	74	-30	-	-	0	100	H
	* 2316.21	46.1	ADR	32.6	-46.97	31.73	54	-22.27	-	-	-	-	0	100	H
4	* 2319.051	57.68	PK-U	32.7	-47.03	43.35	-	-	74	-30.65	-	-	0	201	V
	* 2317.681	46.15	ADR	32.7	-46.99	31.86	54	-22.14	-	-	-	-	0	201	V
2	* 10693.964	52.71	PK-U	37.9	-40.9	49.71	-	-	74	-24.29	-	-	0	100	H
	* 10694.979	40.94	ADR	37.8	-40.91	37.83	54	-16.17	-	-	-	-	0	100	H
5	9957.751	52.52	PK-U	37.2	-41.06	48.66	-	-	-	-	68.2	-19.54	0	201	V
3	16923.604	53.73	PK-U	43	-38.8	57.93	-	-	-	-	68.2	-10.27	0	100	H
6	17041.193	53.61	PK-U	43.1	-39.25	57.46	-	-	-	-	68.2	-10.74	0	200	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

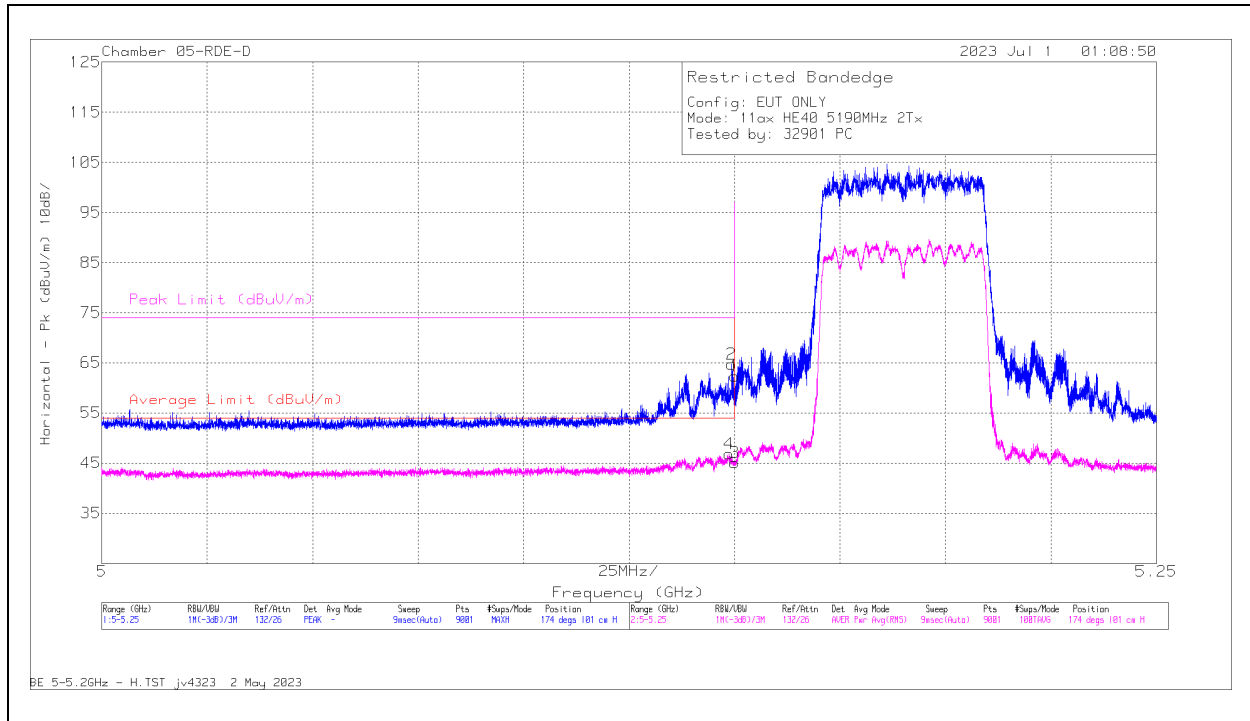
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2320.011	58.12	PK-U	32.6	-47.03	43.69	-	-	74	-30.31	-	-	0	201	V
	* 2320.213	46.15	ADR	32.6	-47.02	31.73	54	-22.27	-	-	-	-	0	201	V
1	2305.213	57.9	PK-U	32.6	-47.09	43.41	-	-	-	-	68.2	-24.79	0	100	H
2	9931.701	53.6	PK-U	37.1	-41.88	48.82	-	-	-	-	68.2	-19.38	0	100	H
5	9986.071	52.89	PK-U	37.2	-41.47	48.62	-	-	-	-	68.2	-19.58	0	201	V
6	16890.118	53.69	PK-U	43	-40.06	56.63	-	-	-	-	68.2	-11.57	0	200	V
3	17035.447	53.12	PK-U	43.1	-39.2	57.02	-	-	-	-	68.2	-11.18	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

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

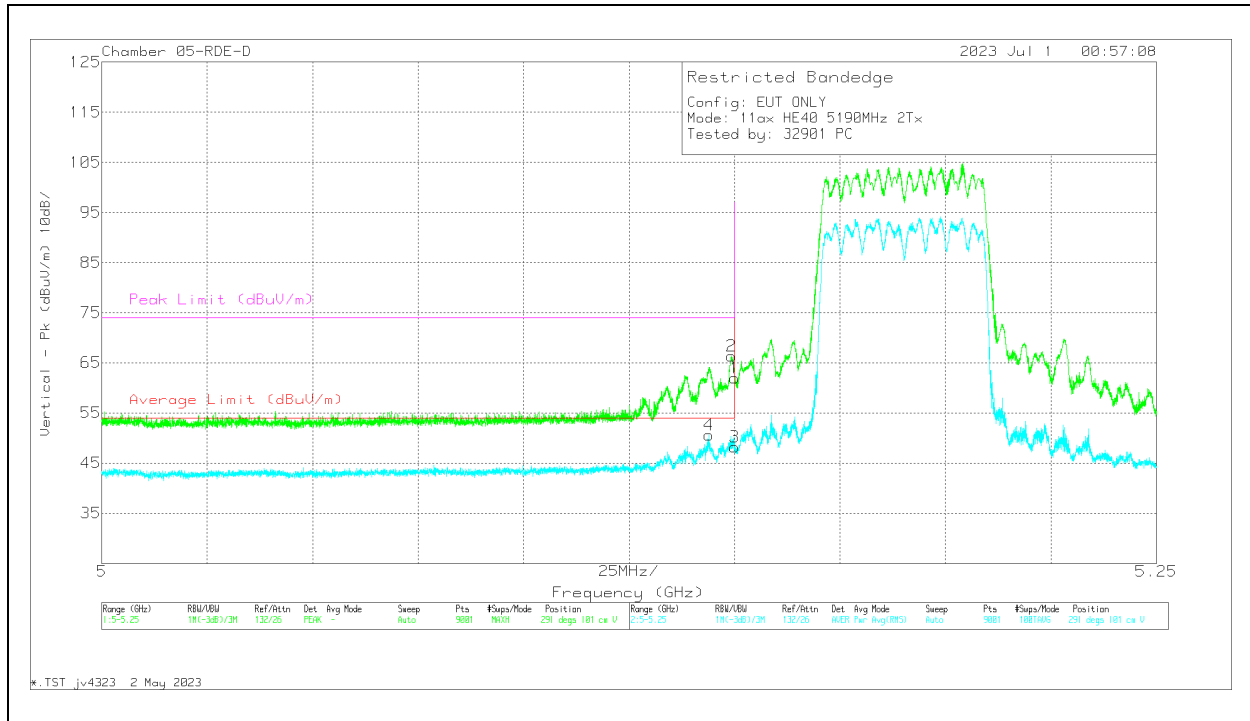


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.14864	50.09	RMS	34.5	.84	-38.58	46.85	54	-7.15	-	-	174	101	H
2	5.149251	68.79	Pk	34.5	0	-38.51	64.78	-	-	74	-9.22	174	101	H
1	5.15	66.37	Pk	34.5	0	-38.49	62.38	-	-	74	-11.62	174	101	H
3	5.15	48.18	RMS	34.5	.84	-38.49	45.03	54	-8.97	-	-	174	101	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



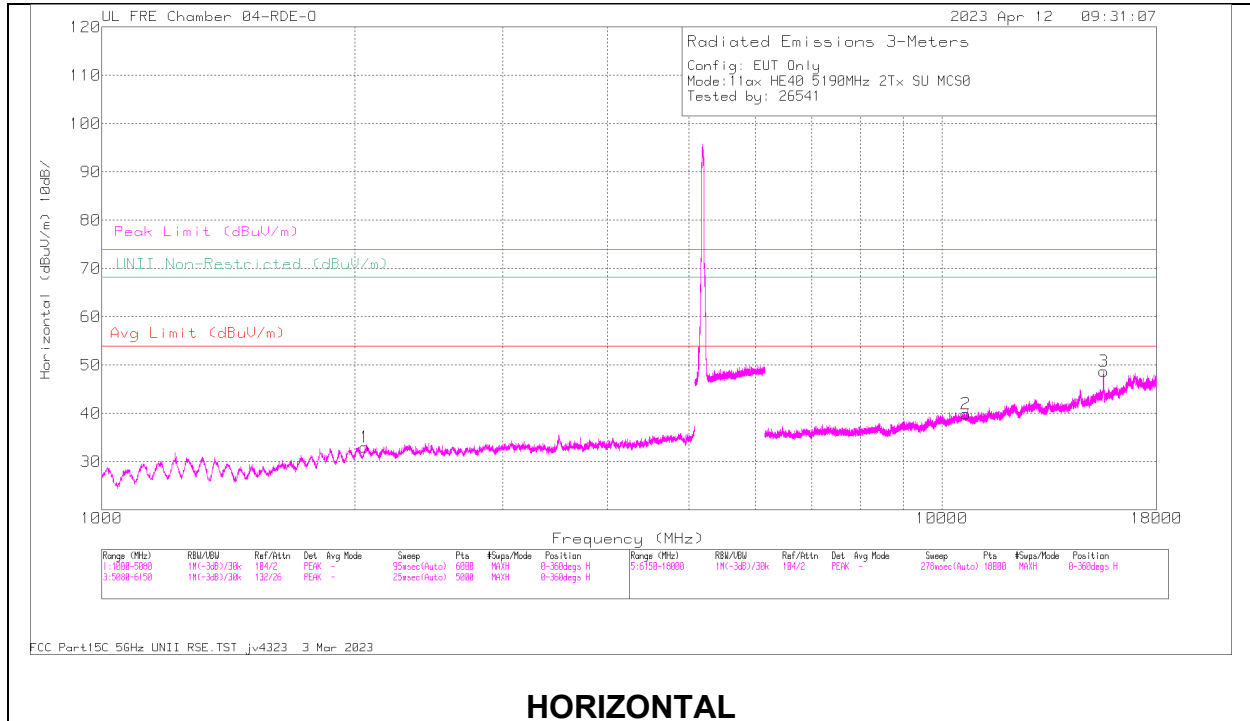
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.14389	53.99	RMS	34.5	.84	-38.78	50.55	54	-3.45	-	-	291	101	V
2	5.149335	70.35	PK	34.5	0	-38.51	66.34	-	-	74	-7.66	291	101	V
1	5.15	66.02	PK	34.5	0	-38.49	62.03	-	-	74	-11.97	291	101	V
3	5.15	51.37	RMS	34.5	.84	-38.49	48.22	54	-5.78	-	-	291	101	V

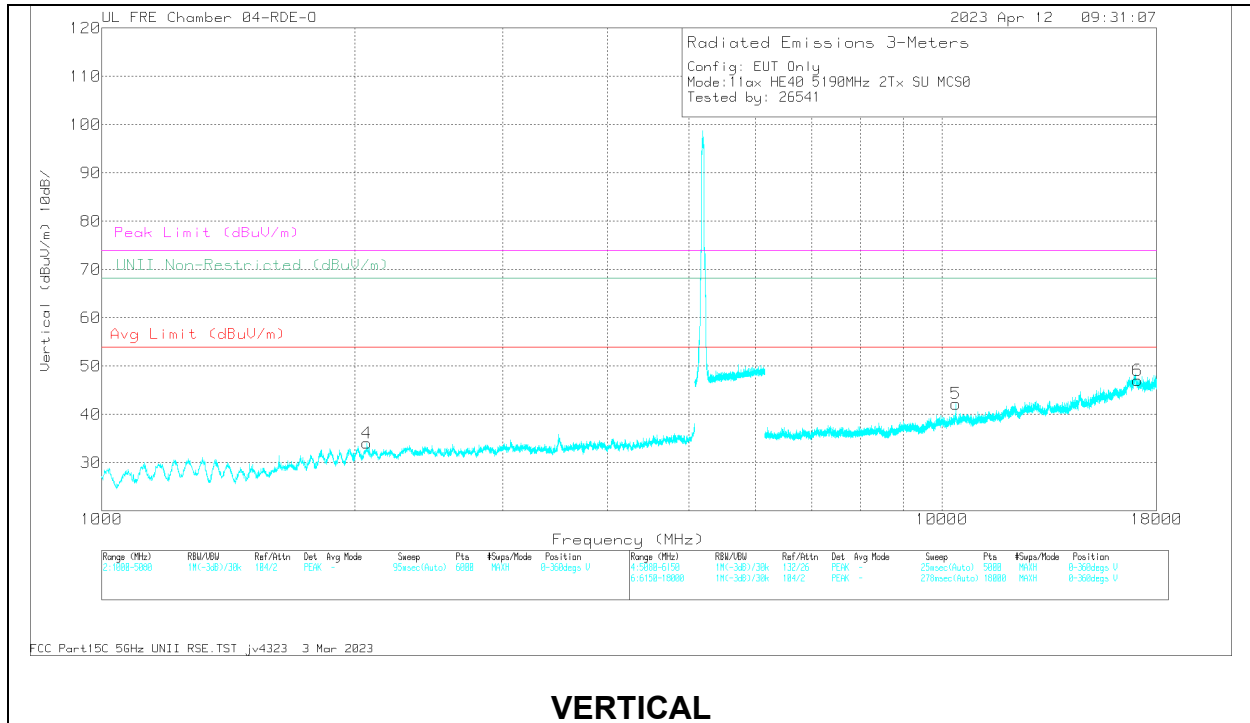
PK - Peak detector
 RMS - RMS detection

1.1.12. 5.2GHz, 11ax, HE40 SU 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



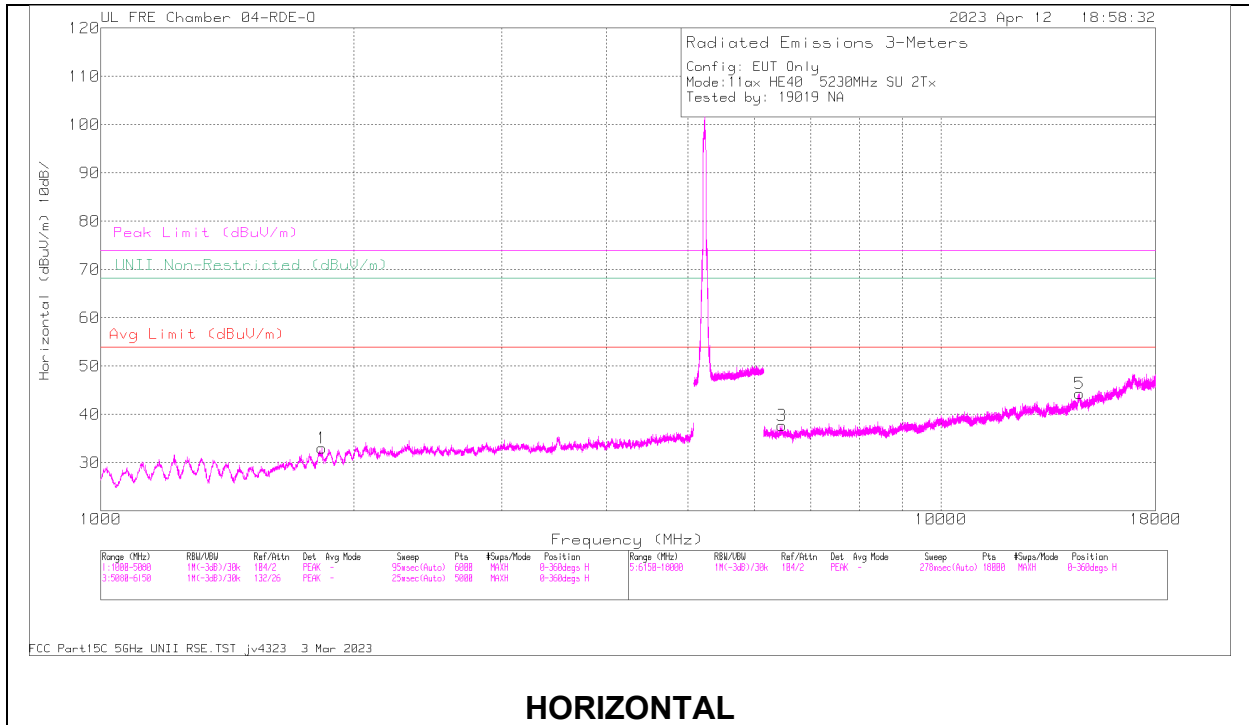
VERTICAL

RADIATED EMISSIONS

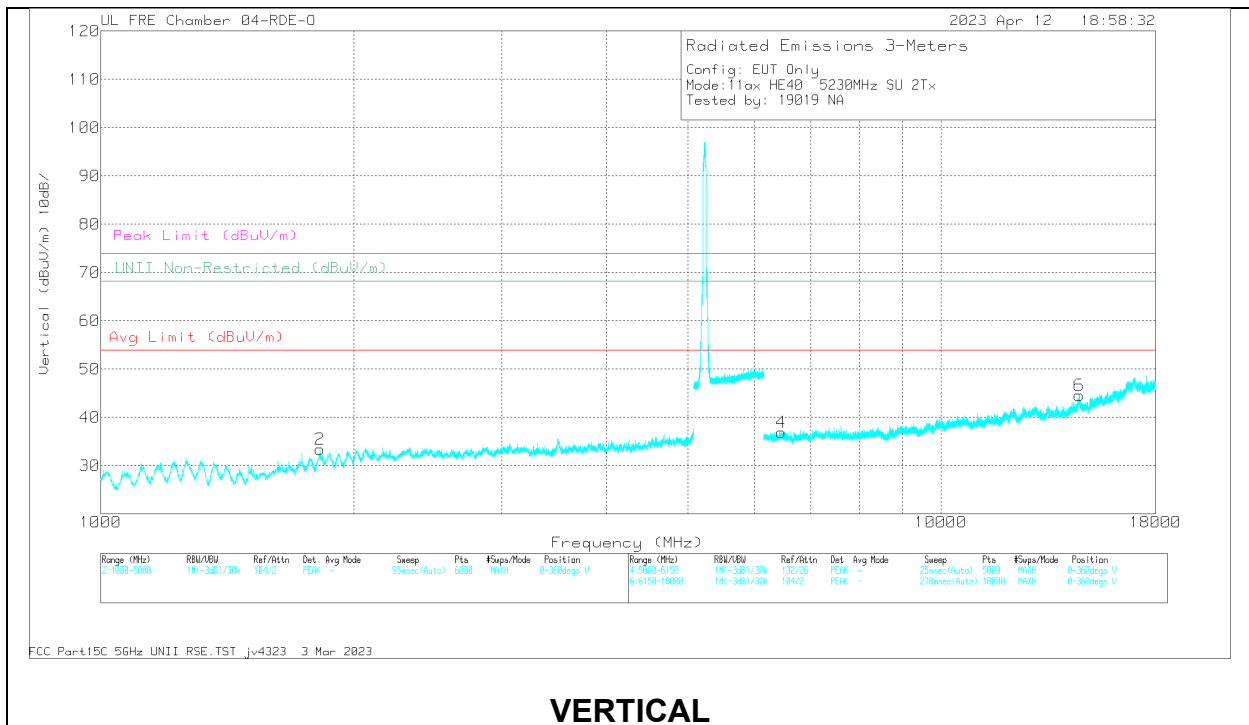
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2055.207	57.46	PK-U	32.1	0	-46.8	42.76	-	-	-	-	68.2	-25.44	140	100	H
4	2067.485	58.4	PK-U	32.1	0	-46.66	43.84	-	-	-	-	68.2	-24.36	140	201	V
5	10379.671	54.93	PK-U	37.5	0	-41.17	51.26	-	-	-	-	68.2	-16.94	84	154	V
2	10685.239	53.16	PK-U	37.7	0	-40.87	49.99	-	-	74	-24.01	-	-	140	100	H
	10685.586	41.06	ADR	37.7	0.13	-40.87	38.02	54	-15.98	-	-	-	-	140	100	H
3	15579.424	56.4	PK-U	40.6	0	-40.07	56.93	-	-	74	-17.07	-	-	18	285	H
	15579.535	44.76	ADR	40.6	0.13	-40.07	45.42	54	-8.58	-	-	-	-	18	285	H
6	17101.284	30.06	PK-U	42.9	0	-39.54	33.42	-	-	-	-	68.2	-34.78	81	258	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 A CF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1826.915	58.71	PK-U	30.7	-46.89	42.52	68.2	-25.68	125	180	V
1	1833.394	58.78	PK-U	30.8	-46.89	42.69	68.2	-25.51	150	156	H
4	6452.103	53.76	PK-U	35.5	-42.32	46.94	68.2	-21.26	243	146	V
3	6466.981	53.42	PK-U	35.6	-42.3	46.72	68.2	-21.48	236	167	H
6	14606.684	52.65	PK-U	39.6	-38.56	53.69	68.2	-14.51	263	180	V
5	14612.512	52.49	PK-U	39.7	-38.1	54.09	68.2	-14.11	316	109	H

PK-U - U-NII: Maximum Peak

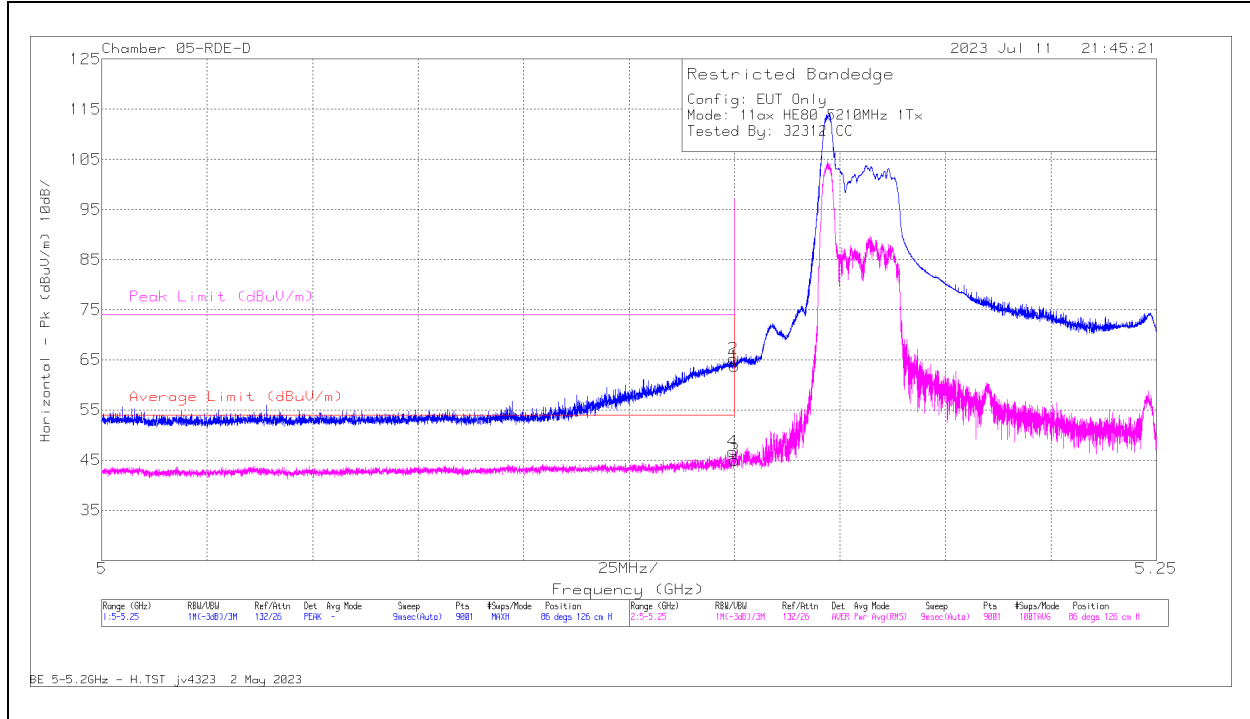
ADR - U-NII AD primary method, RMS average

1.1.13. 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

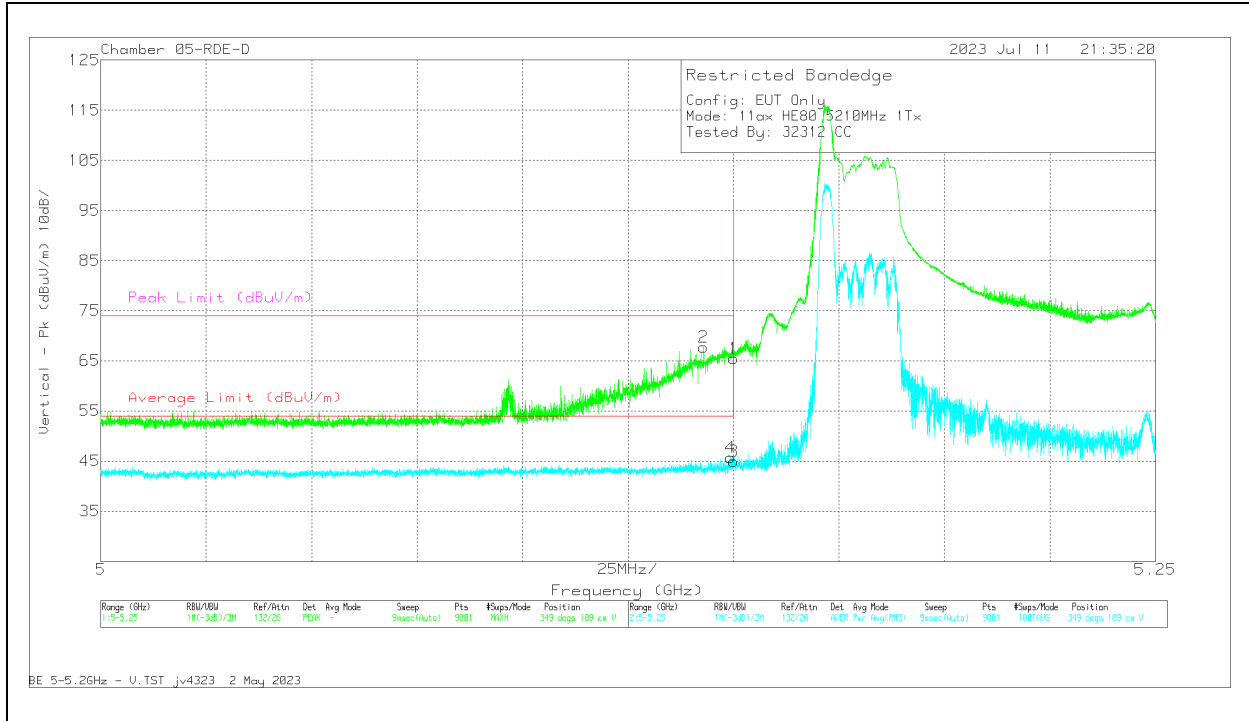


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.14964	50.15	RMS	34.6	0.51	-38.5	46.76	54	-7.24	-	-	86	126	H
2	5.14978	69.11	Pk	34.6	0	-38.5	65.21	-	-	74	-8.79	86	126	H
1	5.15	67.57	Pk	34.6	0	-38.49	63.68	-	-	74	-10.32	86	126	H
3	5.15	48.4	RMS	34.6	0.51	-38.49	45.02	54	-8.98	-	-	86	126	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

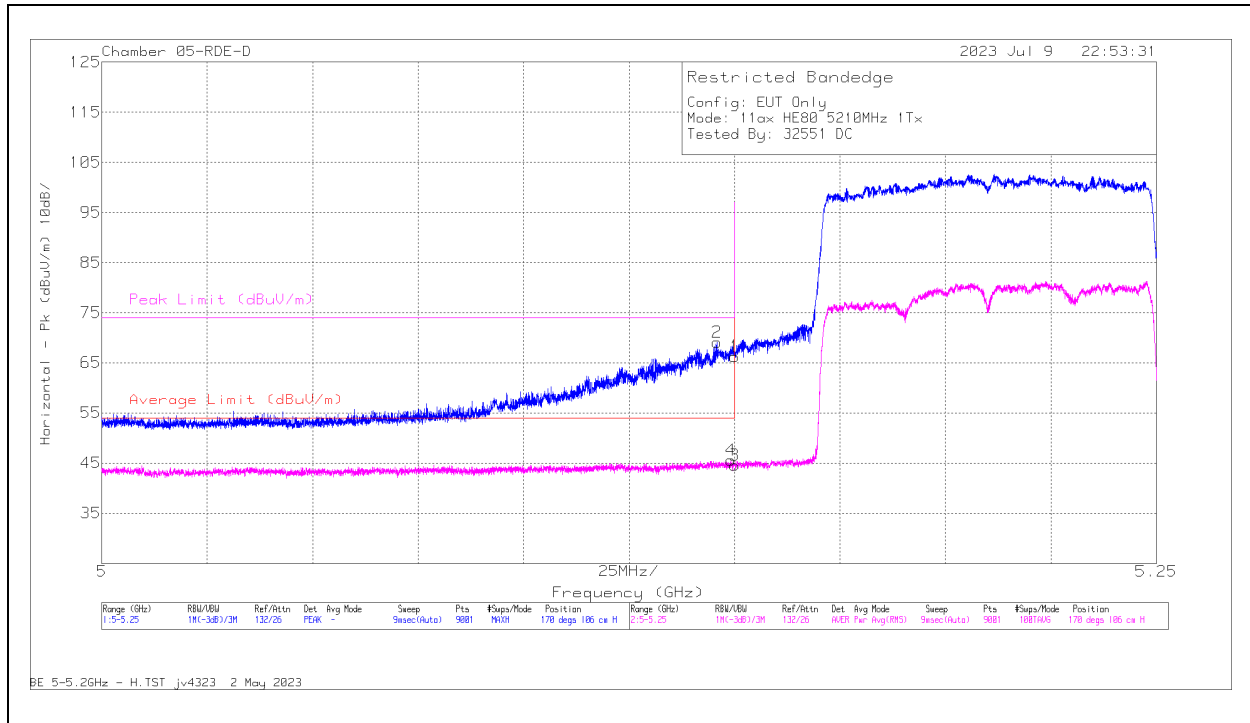
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 5mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14286	72.06	Pk	34.5	0	-38.79	67.77	-	-	74	-6.23	349	109	V
4	5.14925	49.08	RMS	34.6	0.51	-38.51	45.68	54	-8.32	-	-	349	109	V
1	5.15	69.4	Pk	34.6	0	-38.49	65.51	-	-	74	-8.49	349	109	V
3	5.15	48.3	RMS	34.6	0.51	-38.49	44.92	54	-9.08	-	-	349	109	V

Pk - Peak detector
RMS - RMS detection

1TX Antenna 6 MODE: SU, Single User

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

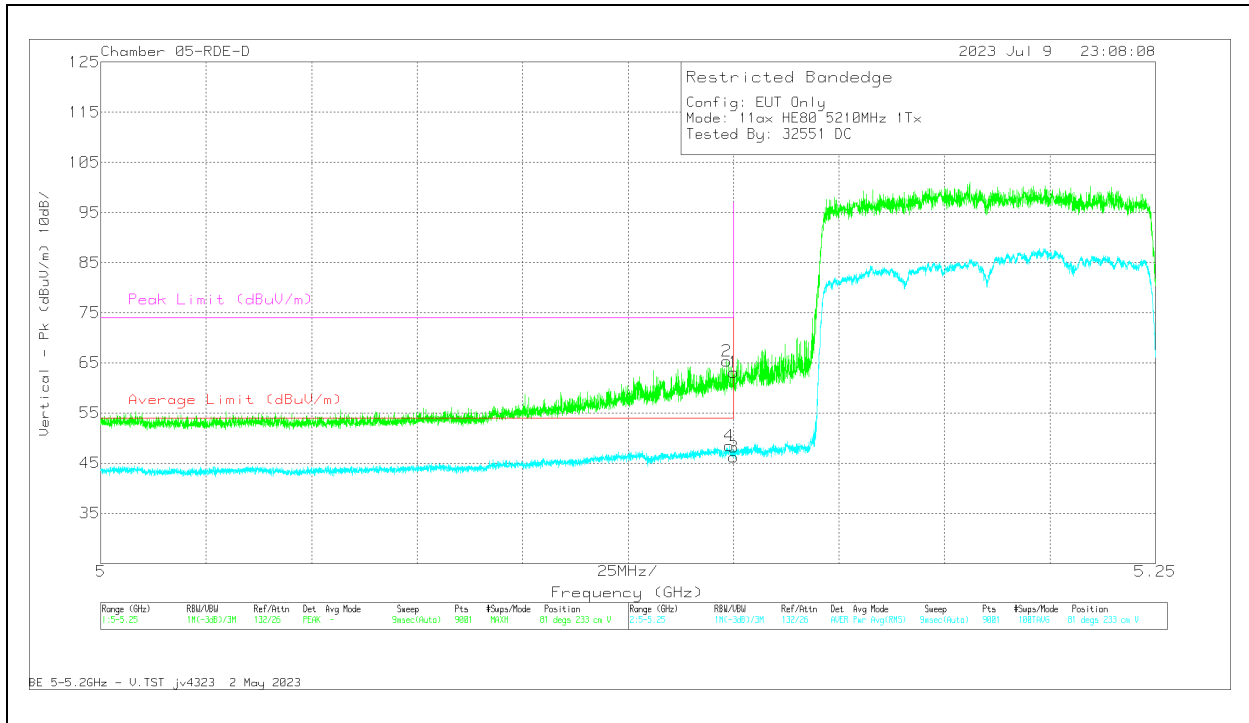


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14584	73.2	Pk	34.6	0	-38.69	69.11	-	-	74	-4.89	170	106	H
4	5.14917	48.36	RMS	34.6	0	-38.51	44.45	54	-9.55	-	-	170	106	H
1	5.15	70.18	Pk	34.6	0.86	-38.49	67.15	-	-	74	-6.85	170	106	H
3	5.15	47.98	RMS	34.6	0.86	-38.49	44.35	54	-9.65	-	-	170	106	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Trace Markers

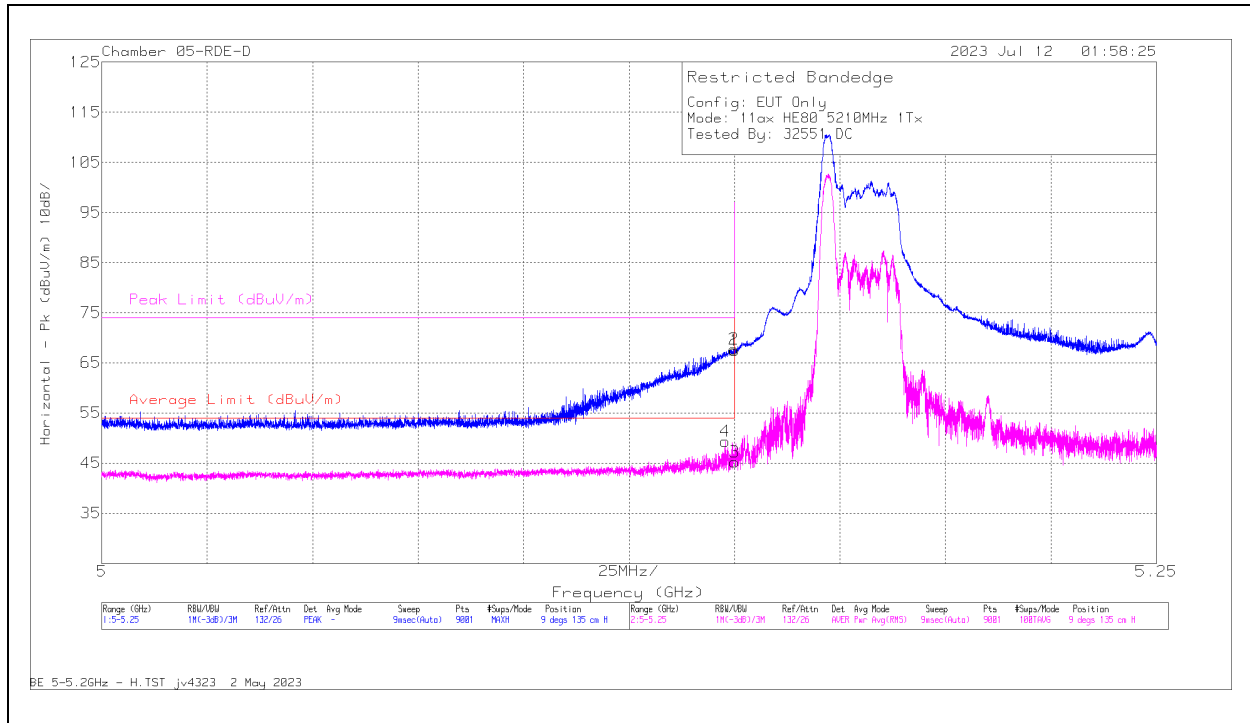
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) SmH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14845	69.35	Pk	34.6	0	-38.62	65.33	-	-	74	-8.67	81	233	V
4	5.14895	51.24	RMS	34.6	0	-38.53	47.31	54	-6.69	-	-	81	233	V
1	5.15	67.01	Pk	34.6	0.86	-38.49	63.98	-	-	74	-10.02	81	233	V
3	5.15	48.99	RMS	34.6	0.86	-38.49	45.96	54	-8.04	-	-	81	233	V

Pk - Peak detector
 RMS - RMS detection

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

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

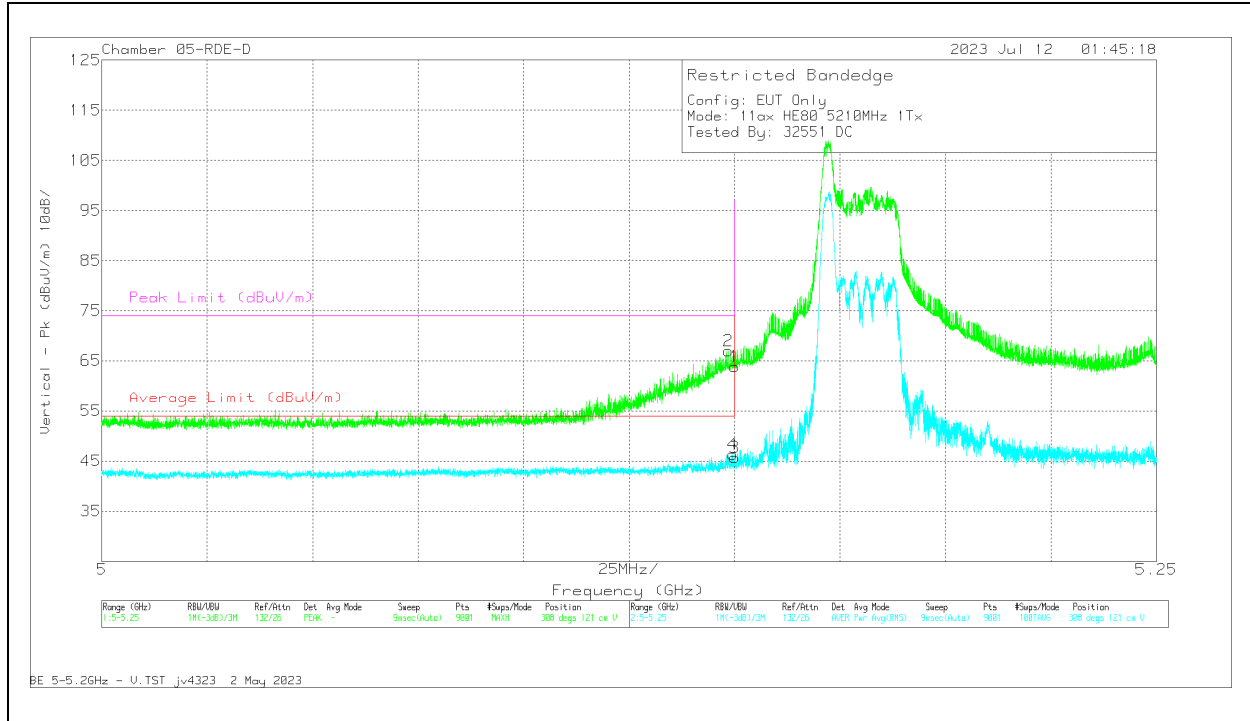


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.147835	52.67	RMS	34.6	.51	-38.68	49.3	54	-4.7	-	-	9	135	H
2	5.149862	71.64	PK	34.6	0	-38.49	67.75	-	-	74	-6.25	9	135	H
1	5.15	71.33	PK	34.6	0	-38.49	67.44	-	-	74	-6.56	9	135	H
3	5.15	48.63	RMS	34.6	.51	-38.49	45.25	54	-8.75	-	-	9	135	H

PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

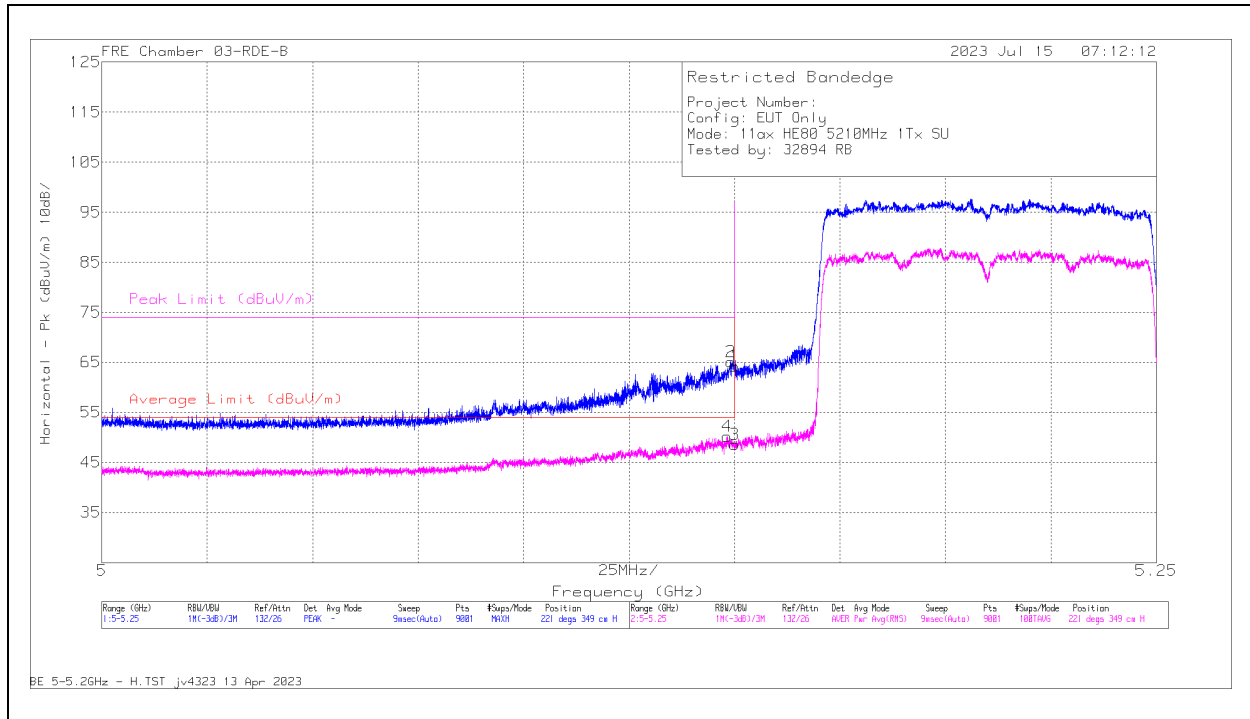
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.148501	71.03	Pk	34.6	0	-38.61	67.02	-	-	74	-6.98	308	121	V
4	5.149557	49.78	RMS	34.6	.51	-38.5	46.39	54	-7.61	-	-	308	121	V
1	5.15	67.74	Pk	34.6	0	-38.49	63.85	-	-	74	-10.15	308	121	V
3	5.15	49.12	RMS	34.6	.51	-38.49	45.74	54	-8.26	-	-	308	121	V

Pk - Peak detector
 RMS - RMS detection

1TX Antenna 5 MODE: SU, Single User

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

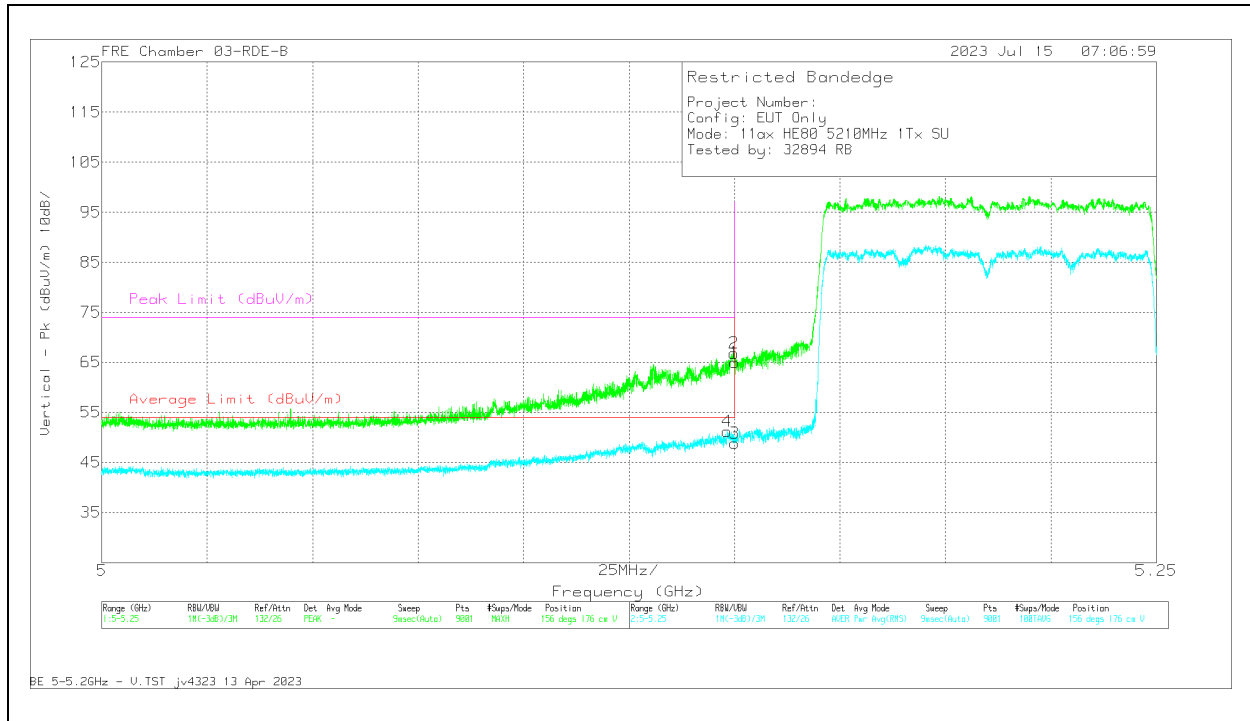


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	69.8	Pk	34.3	0	-39.9	64.2	-	-	74	-9.8	221	349	H
2	* 5.149168	70.7	Pk	34.3	0	-39.9	65.1	-	-	74	-8.9	221	349	H
3	* 5.15	53.19	RMS	34.3	0.86	-39.9	48.45	54	-5.55	-	-	221	349	H
4	* 5.148279	54.77	RMS	34.3	0.86	-39.9	50.03	54	-3.97	-	-	221	349	H

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

VERTICAL RESULT



Trace Markers

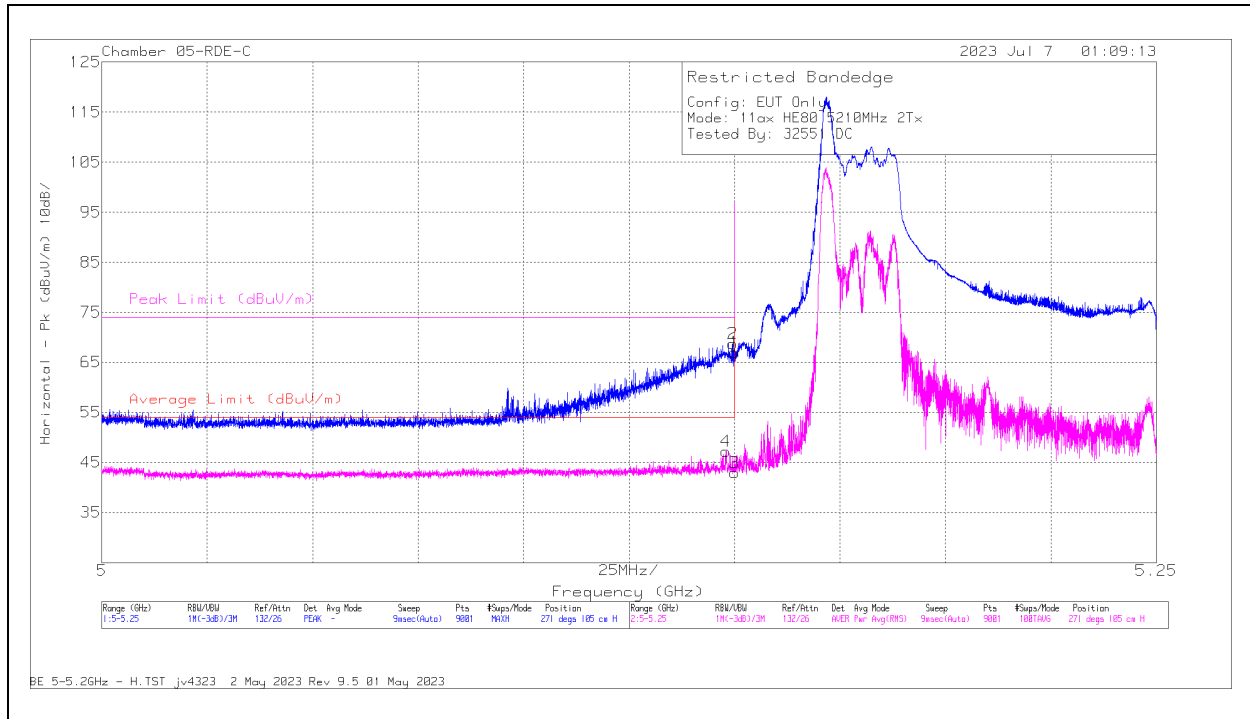
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACP (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	70.61	Pk	34.3	0	-39.9	65.01	-	-	74	-8.99	156	176	V
2	* 5.149835	72.4	Pk	34.3	0	-39.9	66.8	-	-	74	-7.2	156	176	V
3	* 5.15	53.47	RMS	34.3	0.86	-39.9	48.73	54	-5.27	-	-	156	176	V
4	* 5.148251	55.83	RMS	34.3	0.86	-39.9	51.09	54	-2.91	-	-	156	176	V

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

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

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

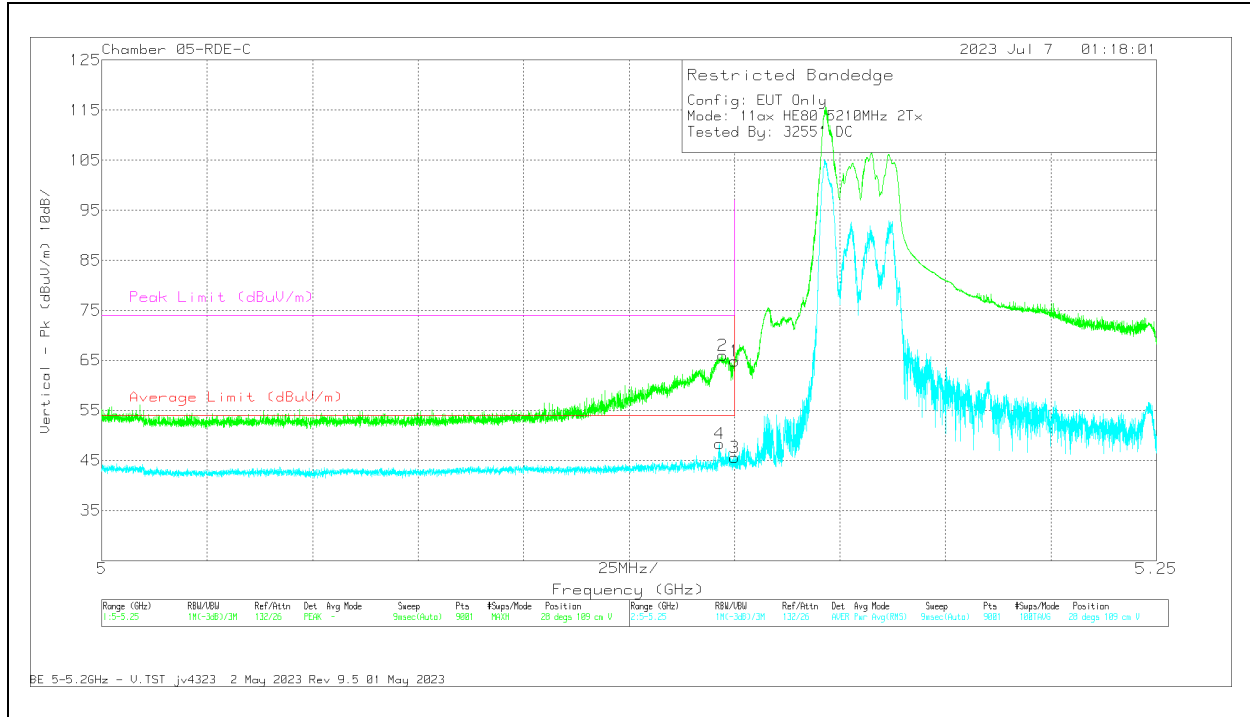


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	51887 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	5.148001	52.02	RMS	34.2	.51	-39.49	-47.24	54	-6.76	-	-	271	105	H
2	5.149529	74.11	Pk	34.2	0	-39.52	68.79	-	-	74	-5.21	271	105	H
1	5.15	72.33	Pk	34.2	0	-39.52	67.01	-	-	74	-6.99	271	105	H
3	5.15	47.75	RMS	34.2	.51	-39.52	42.94	54	-11.06	-	-	271	105	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



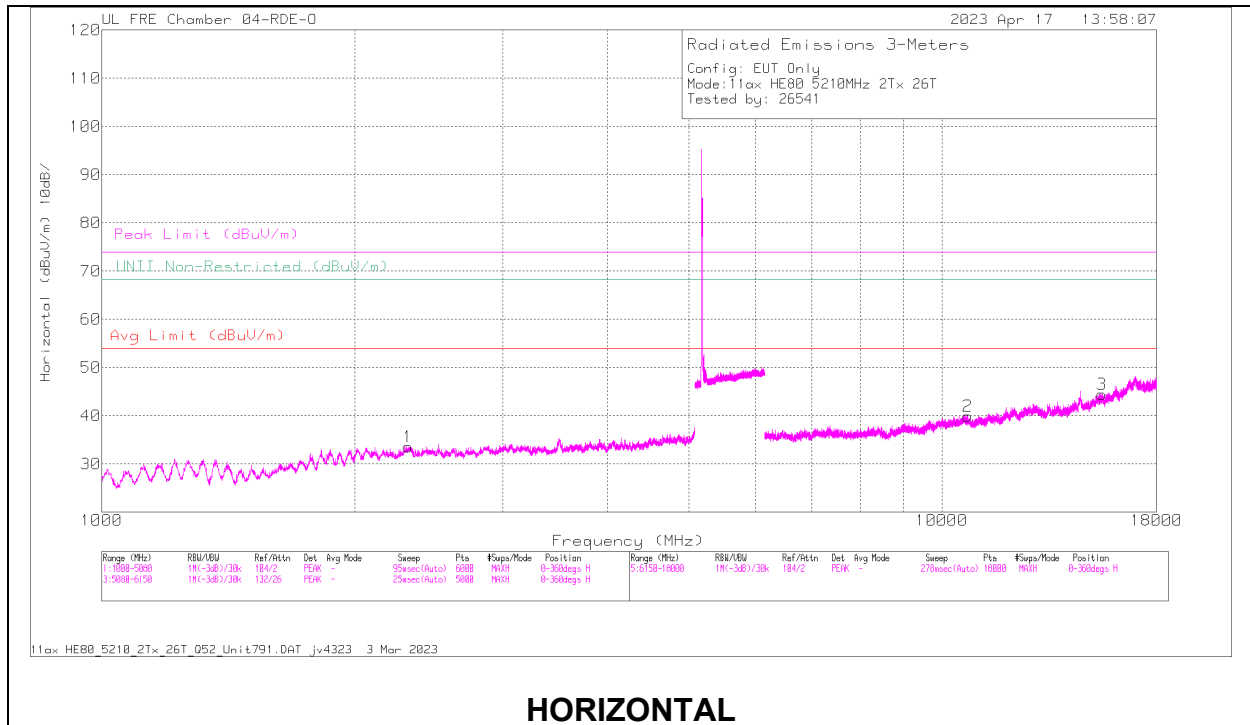
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB) 3mit	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	5.146446	53.08	RMS	34.2	.51	-39.43	48.36	54	-5.64	-	-	28	109	V
2	5.147196	71.22	Pk	34.2	0	-39.45	65.97	-	-	74	-8.03	28	109	V
1	5.15	70.18	Pk	34.2	0	-39.52	64.86	-	-	74	-9.14	28	109	V
3	5.15	50.45	RMS	34.2	.51	-39.52	45.64	54	-8.36	-	-	28	109	V

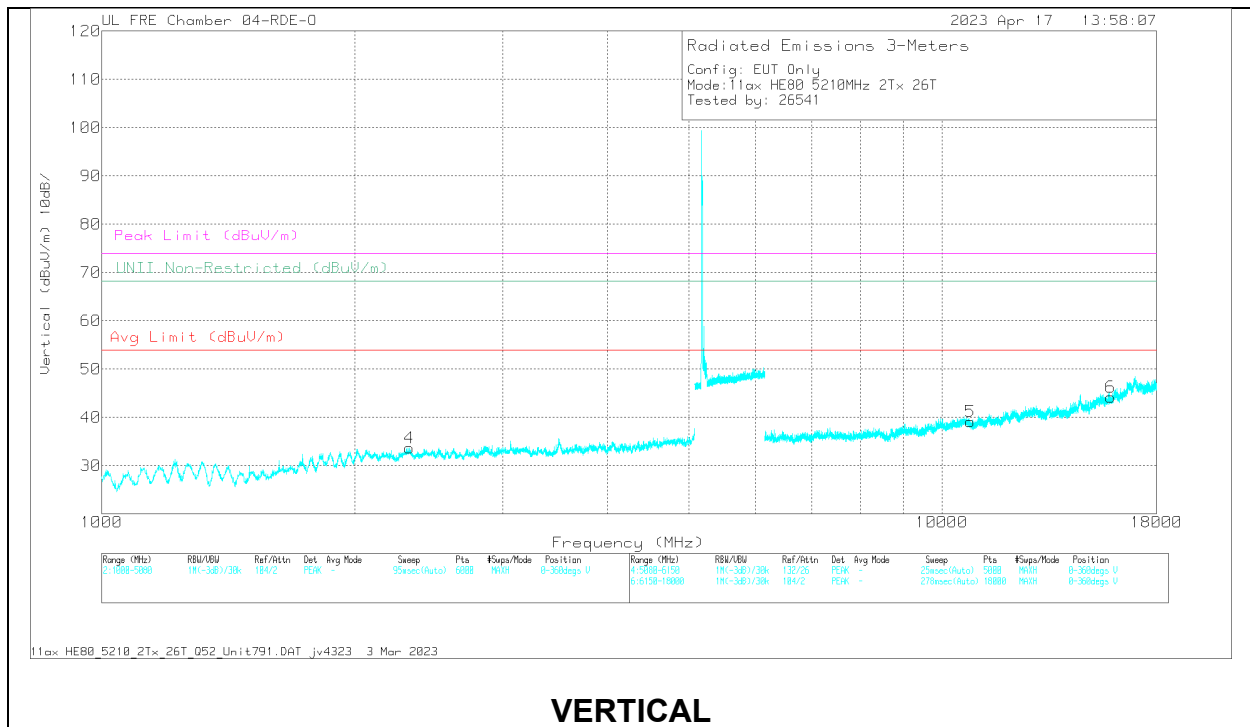
Pk - Peak detector
 RMS - RMS detection

1.1.14. 5.2GHz 11ax, HE80 RU26 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

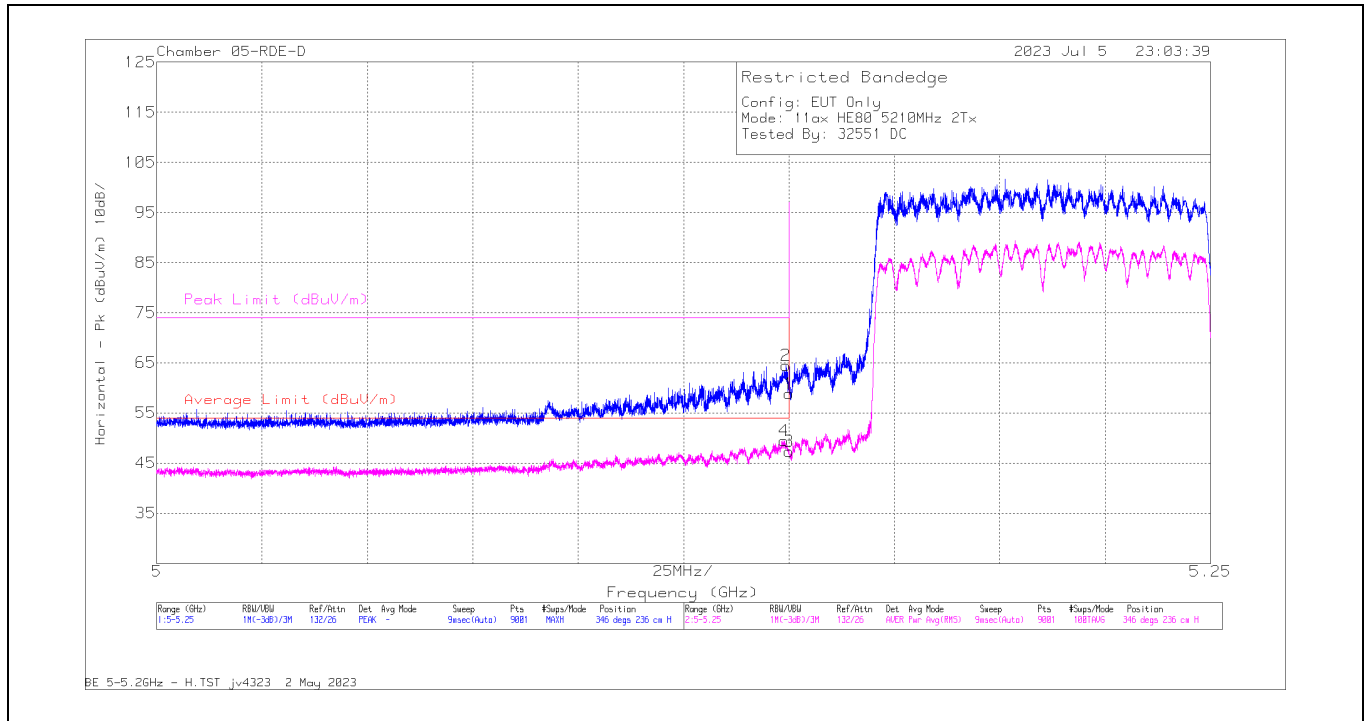
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2316.652	57.7	PK-U	32.7	-46.98	43.42	-	-	74	-30.58	360	100	H
	* 2315.674	46.43	ADR	32.6	-46.98	32.05	54	-21.95	-	-	360	100	H
4	* 2324.674	57.75	PK-U	32.7	-46.94	43.51	-	-	74	-30.49	360	201	V
	* 2324.522	46.18	ADR	32.7	-46.94	31.94	54	-22.06	-	-	360	201	V
2	* 10737.684	52.07	PK-U	37.9	-40.58	49.39	-	-	74	-24.61	360	100	H
	* 10736.991	40.99	ADR	38	-40.57	38.42	54	-15.58	-	-	360	100	H
3	* 15508.43	53.04	PK-U	40.5	-39.52	54.02	-	-	74	-19.98	360	100	H
	* 15507.713	41.48	ADR	40.5	-39.53	42.45	54	-11.55	-	-	360	100	H
5	* 10805.91	52.09	PK-U	37.9	-40.94	49.05	-	-	74	-24.95	360	201	V
	* 10808.361	40.65	ADR	37.9	-40.98	37.57	54	-16.43	-	-	360	201	V
6	* 15869.549	53.61	PK-U	40.9	-40.16	54.35	-	-	74	-19.65	360	200	V
	* 15870.977	41.91	ADR	41	-40.16	42.75	54	-11.25	-	-	360	200	V

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

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

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

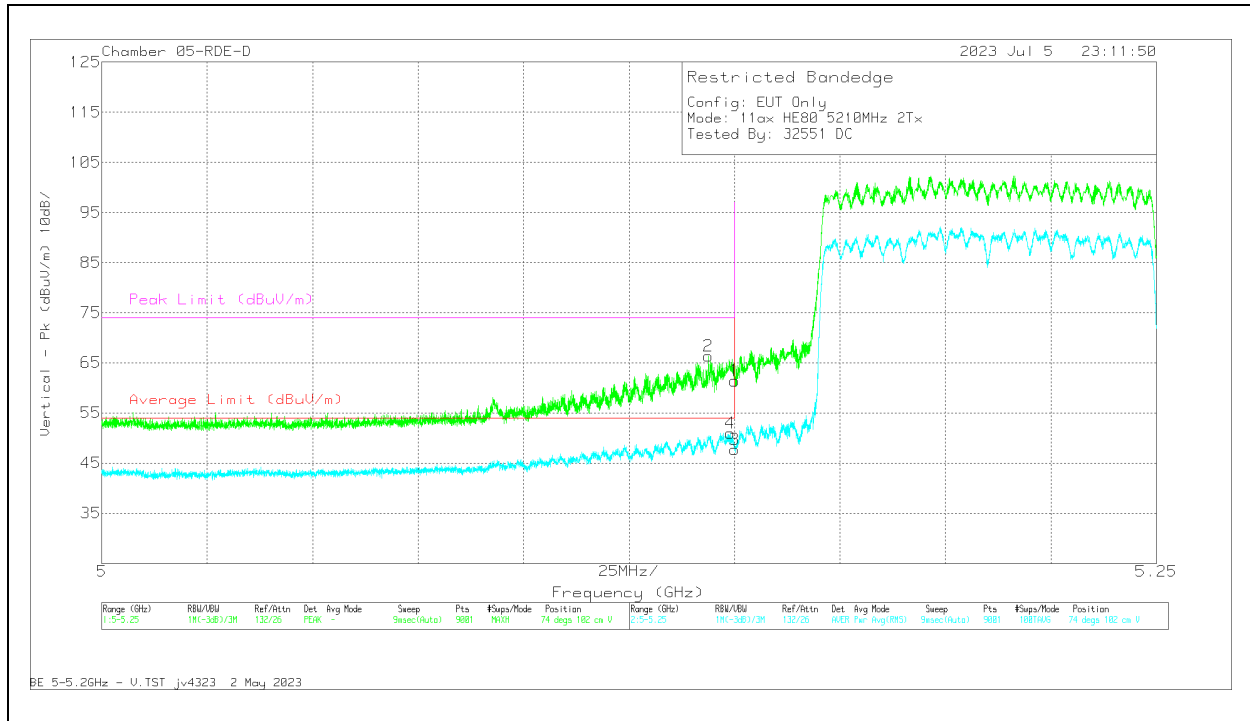


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	8042 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	5.148862	52.69	RMS	34.5	.86	-38.54	49.51	54	-4.49	-	-	346	236	H
2	5.149307	68.52	Pk	34.5	0	-38.51	64.51	-	-	74	-9.49	346	236	H
1	5.15	62.86	Pk	34.5	0	-38.49	58.87	-	-	74	-15.13	346	236	H
3	5.15	50.52	RMS	34.5	.86	-38.49	47.39	54	-6.61	-	-	346	236	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



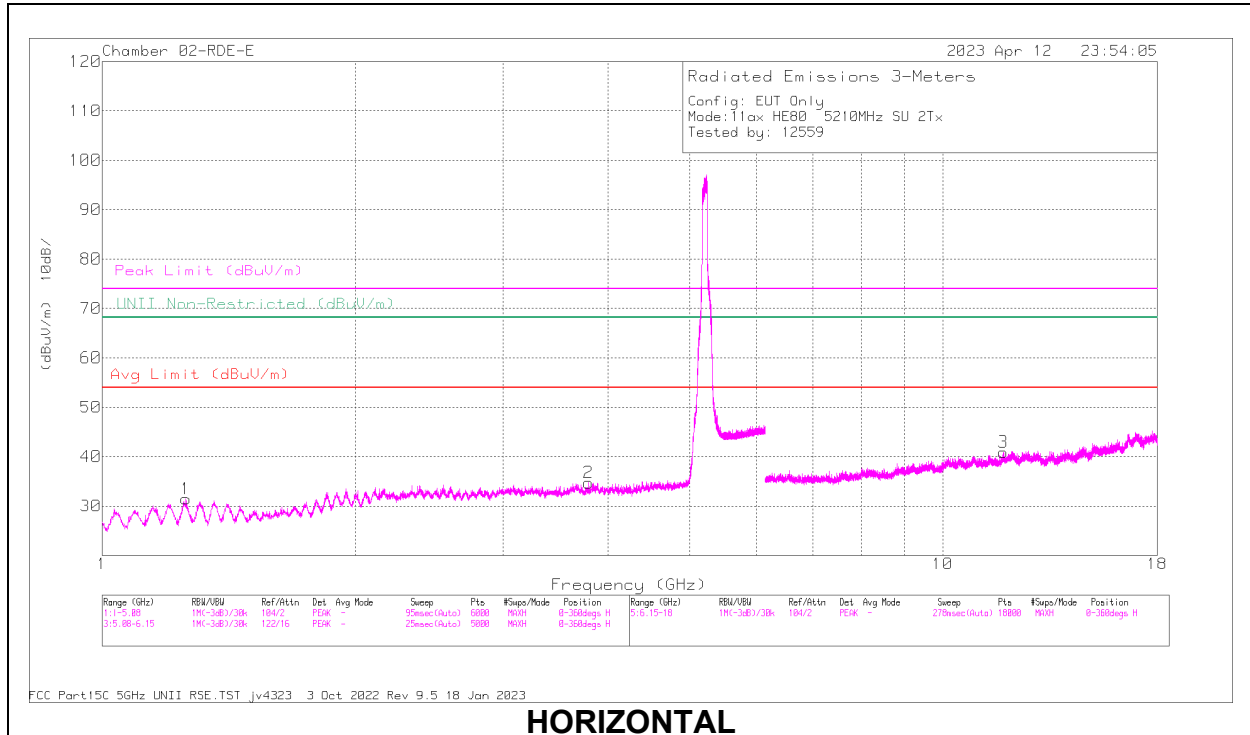
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.143779	70.66	Pk	34.5	0	-38.78	66.38	-	-	74	-7.62	74	102	V
4	5.149001	54.1	RMS	34.5	.86	-38.52	50.94	54	-3.06	-	-	74	102	V
1	5.15	65.41	Pk	34.5	0	-38.49	61.42	-	-	74	-12.58	74	102	V
3	5.15	50.89	RMS	34.5	.86	-38.49	47.76	54	-6.24	-	-	74	102	V

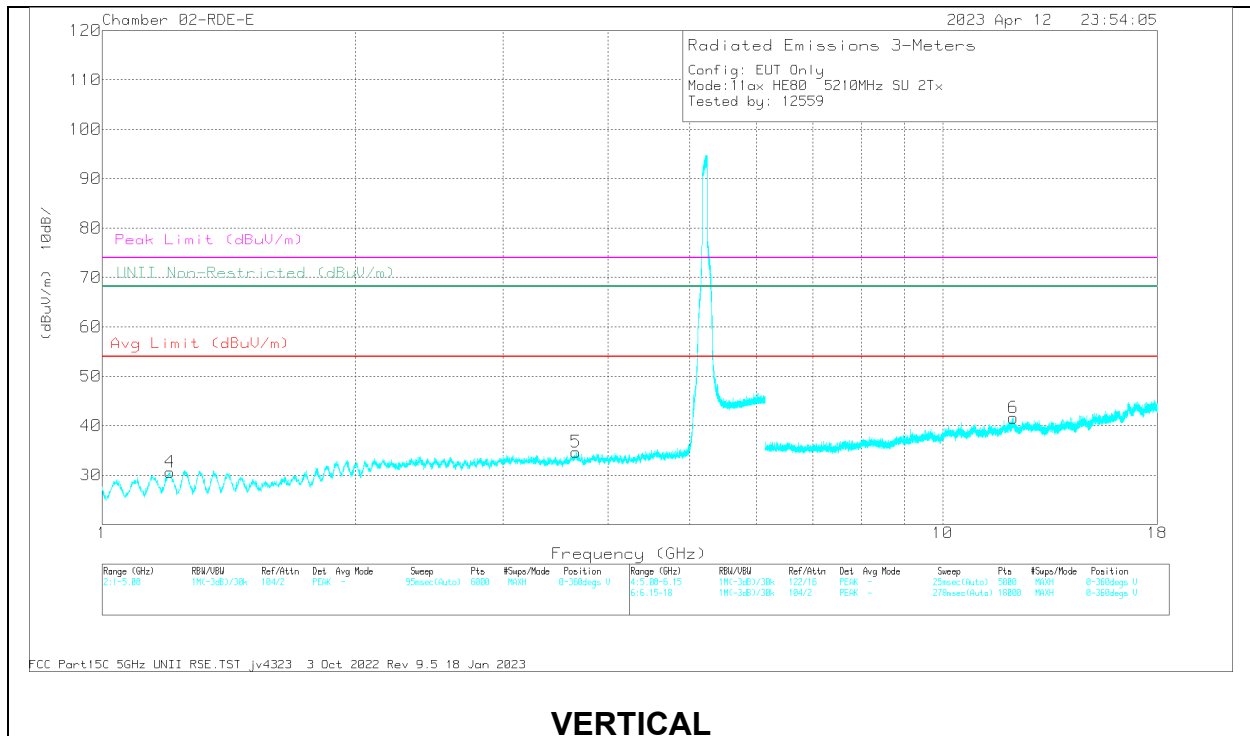
Pk - Peak detector
 RMS - RMS detection

1.1.15. 5.2GHz, 11ax, HE80 SU 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.258688	61.49	PK-U	29	0	-49.54	40.95	-	-	74	-33.05	360	200	H
	* 1.257258	49.79	ADR	29	0.24	-49.5	29.53	54	-24.47	-	-	360	200	H
2	* 3.789237	56.63	PK-U	33.4	0	-46.05	43.98	-	-	74	-30.02	360	200	H
	* 3.790162	44.69	ADR	33.4	0.24	-46.07	32.26	54	-21.74	-	-	360	200	H
4	* 1.202542	61.54	PK-U	28.6	0	-49.59	40.55	-	-	74	-33.45	360	101	V
	* 1.20296	49.81	ADR	28.6	0.24	-49.58	29.07	54	-24.93	-	-	360	101	V
5	* 3.665106	56.85	PK-U	33.4	0	-46.05	44.2	-	-	74	-29.8	360	101	V
	* 3.662763	45.22	ADR	33.4	0.24	-46.02	32.84	54	-21.16	-	-	360	101	V
3	* 11.805787	52.9	PK-U	38.6	0	-42.84	48.66	-	-	74	-25.34	360	200	H
	* 11.806939	41.68	ADR	38.6	0.24	-42.83	37.69	54	-16.31	-	-	360	200	H
6	* 12.132498	55.36	PK-U	38.9	0	-43.01	51.25	-	-	74	-22.75	360	101	V
	* 12.134966	42.9	ADR	39	0.24	-42.97	39.17	54	-14.83	-	-	360	101	V

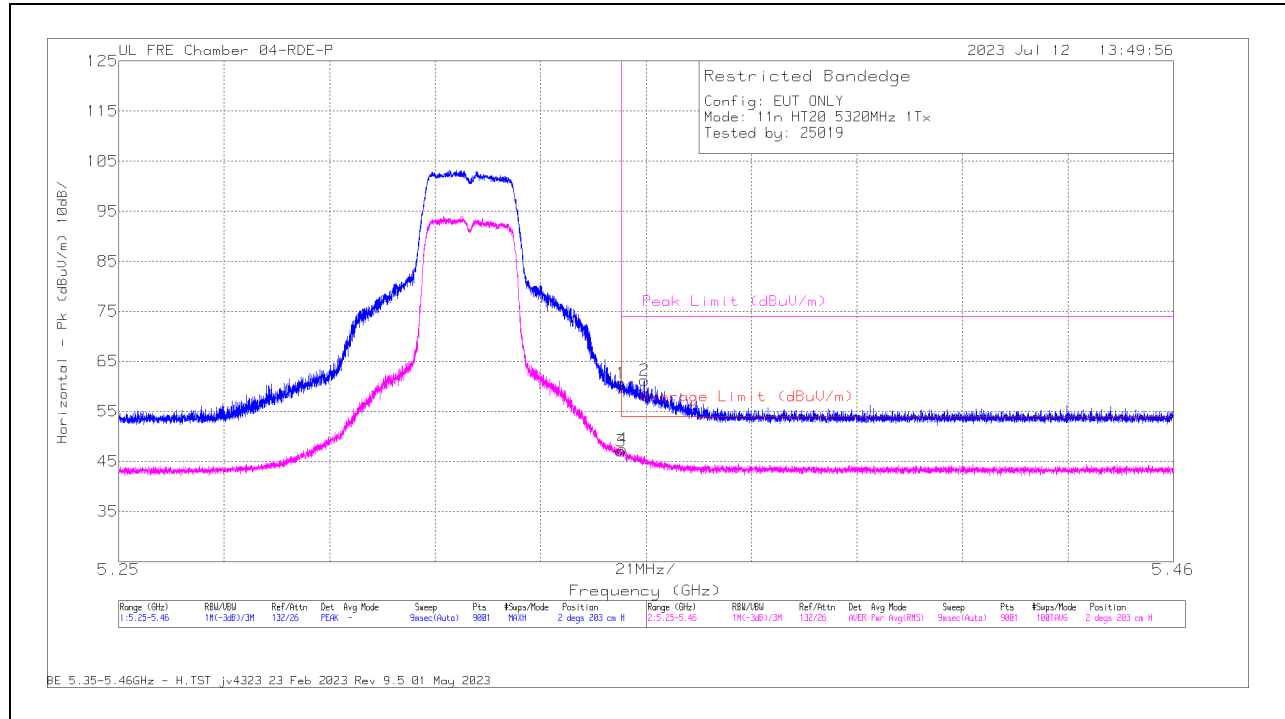
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

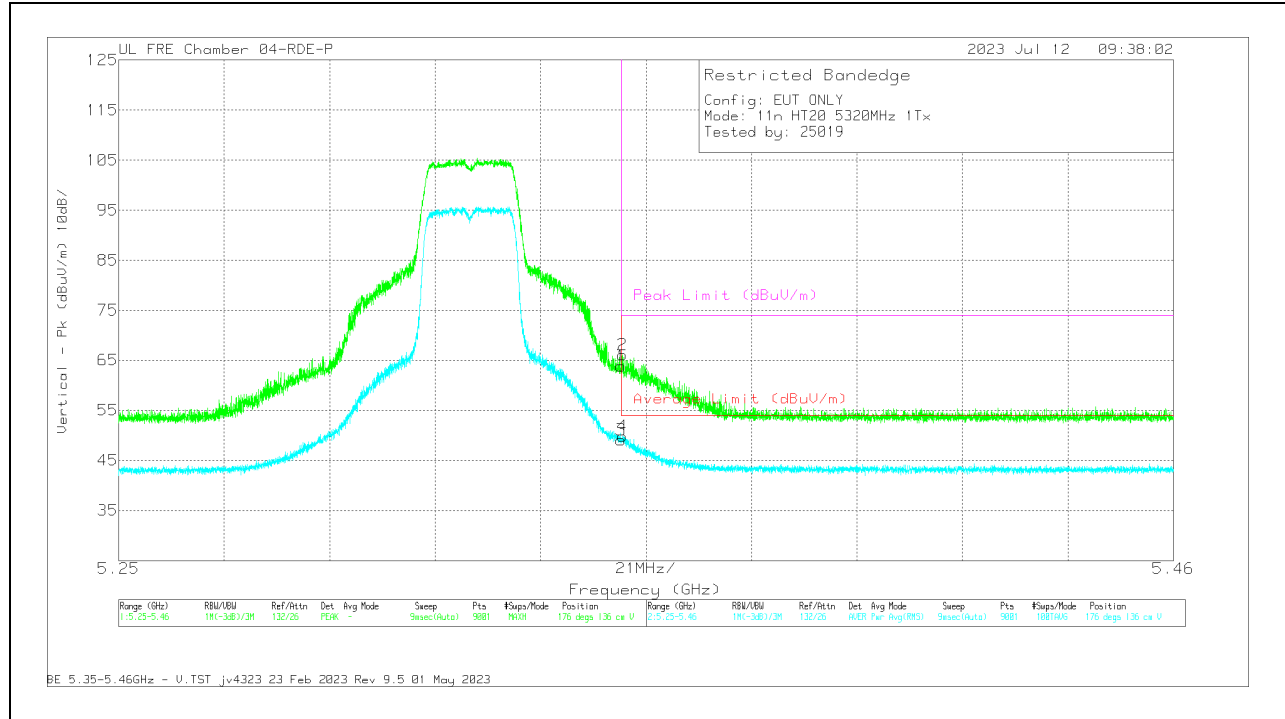


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	64.4	PK	34.4	0	-38.18	60.62	-	-	74	-13.38	2	203	H
3	5.35	50.46	RMS	34.4	.41	-38.18	47.09	54	-6.91	-	-	2	203	H
4	5.350355	50.92	RMS	34.4	.41	-38.21	47.52	54	-6.48	-	-	2	203	H
2	5.354649	65	PK	34.4	0	-38.2	61.2	-	-	74	-12.8	2	203	H

PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

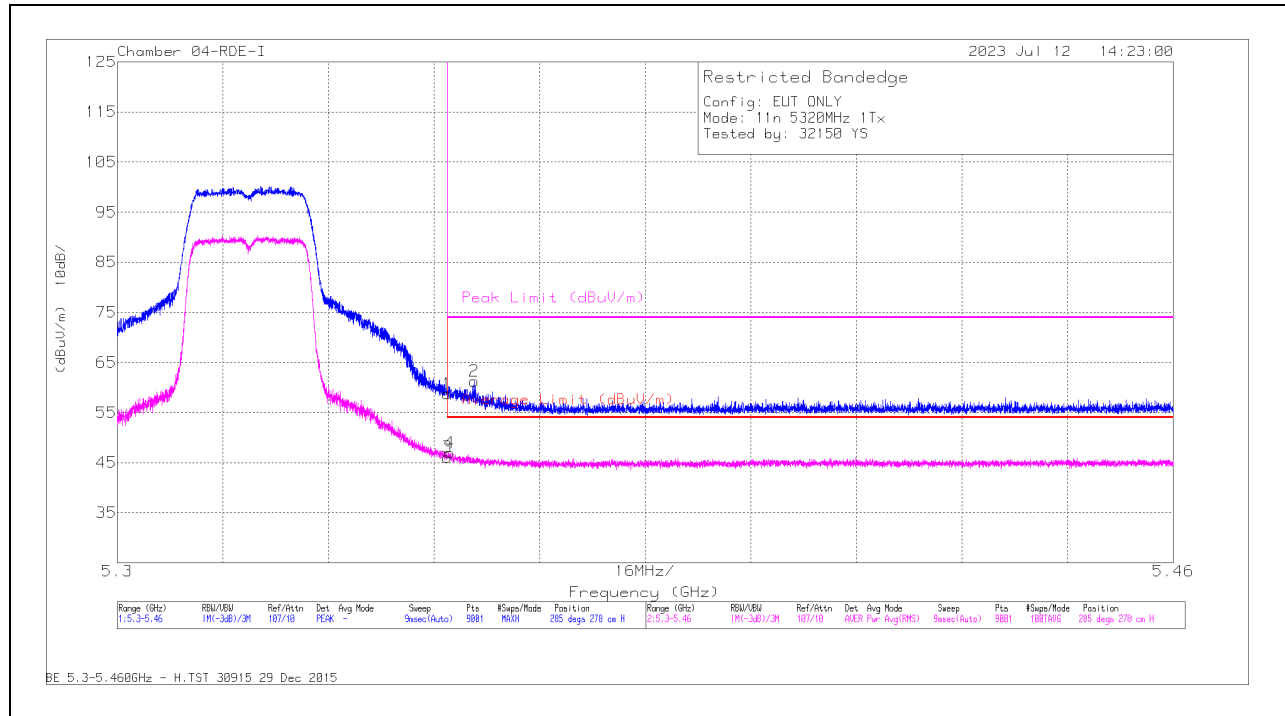
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mHz	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	67.59	PK	34.4	0	-38.18	63.81	-	-	74	-10.19	176	136	V
3	5.35	52.44	RMS	34.4	.41	-38.18	49.07	54	-4.93	-	-	176	136	V
4	5.350262	53.29	RMS	34.4	.41	-38.2	49.9	54	-4.1	-	-	176	136	V
2	5.350332	69.89	PK	34.4	0	-38.21	66.08	-	-	74	-7.92	176	136	V

PK - Peak detector
 RMS - RMS detection

1TX Antenna 5

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

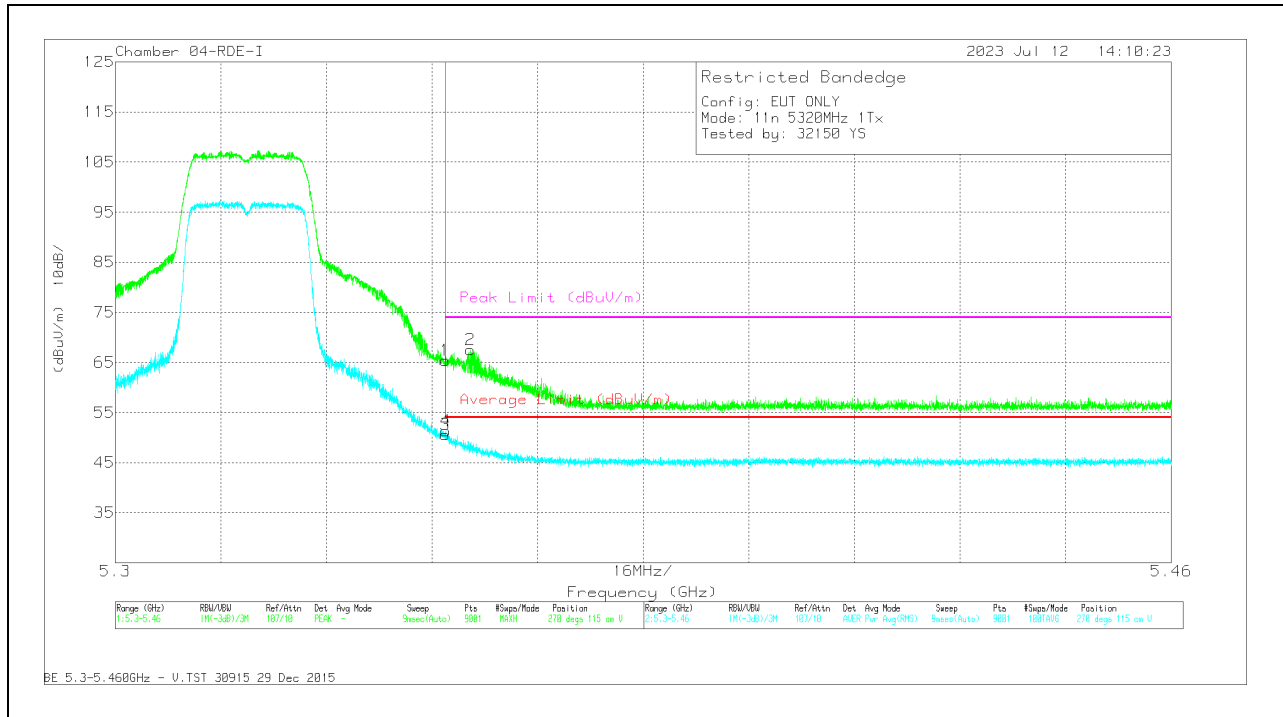


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Cb/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.19	Pk	34.8	-16.2	0	58.79	-	-	74	-15.21	285	278	H
2	* 5.354116	42.6	Pk	34.8	-16.1	0	61.3	-	-	74	-12.7	285	278	H
3	* 5.35	27.24	RMS	34.8	-16.2	0.41	46.25	54	-7.75	-	-	285	278	H
4	* 5.350383	28.2	RMS	34.8	-16.2	0.41	47.21	54	-8.79	-	-	285	278	H

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

VERTICAL RESULT



Trace Markers

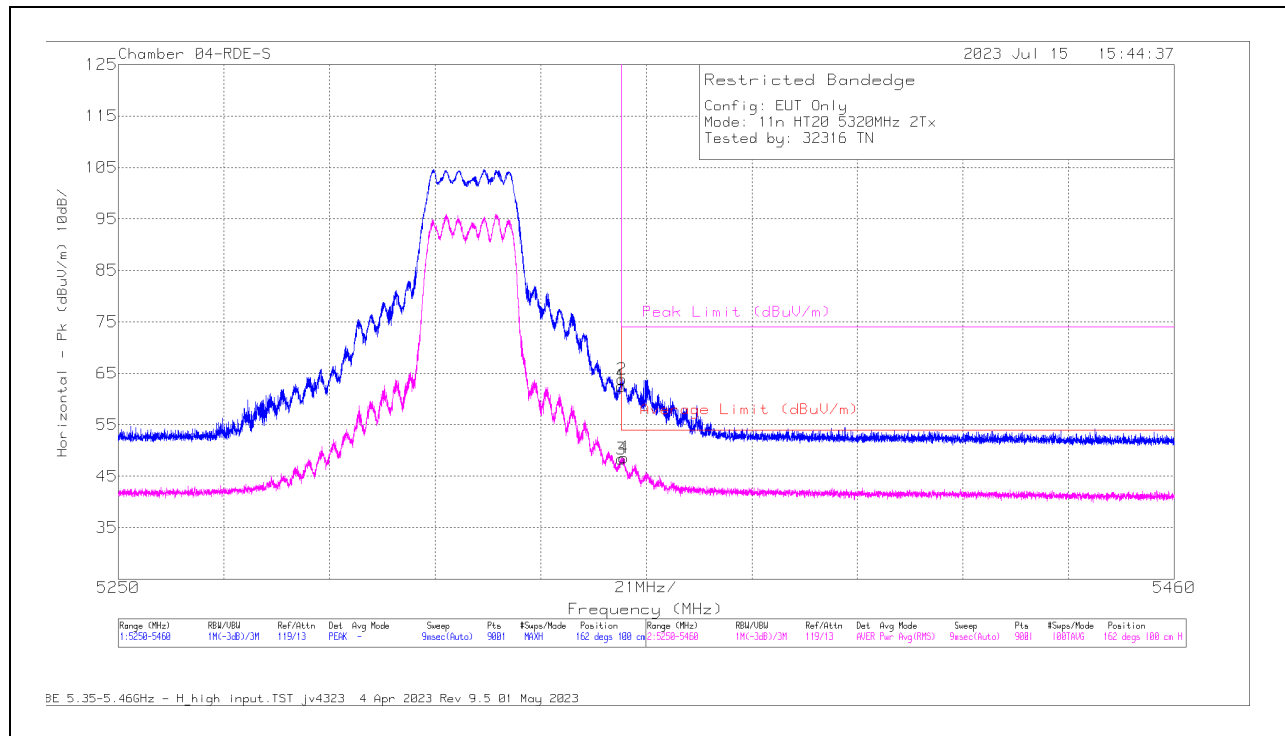
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Chl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	46.82	Pk	34.8	-16.2	0	55.42	-	-	74	-8.58	270	115	V
2	* 5.353796	48.9	Pk	34.8	-16.1	0	67.6	-	-	74	-6.4	270	115	V
3	* 5.35	31.76	RMS	34.8	-16.2	0.41	50.77	54	-3.23	-	-	270	115	V
4	* 5.350081	32.57	RMS	34.8	-16.2	0.41	51.58	54	-2.42	-	-	270	115	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

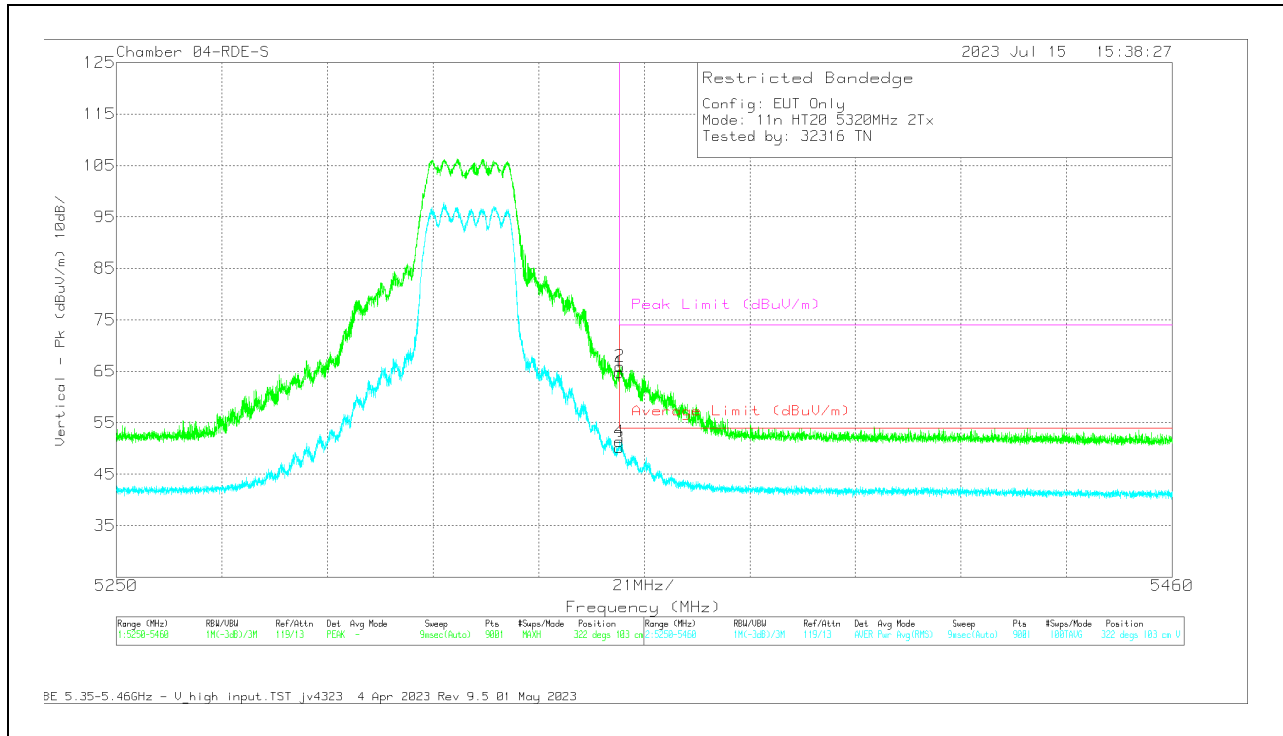


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 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	5350	50.68	Pk	34.6	0	-22.81	62.47	-	-	74	-11.53	162	100	H
3	5350	36.14	RMS	34.6	.41	-22.81	48.34	54	-5.66	-	-	162	100	H
2	5350.169	52.04	Pk	34.6	0	-22.81	63.83	-	-	74	-10.17	162	100	H
4	5350.542	36.4	RMS	34.6	.41	-22.82	48.59	54	-5.41	-	-	162	100	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



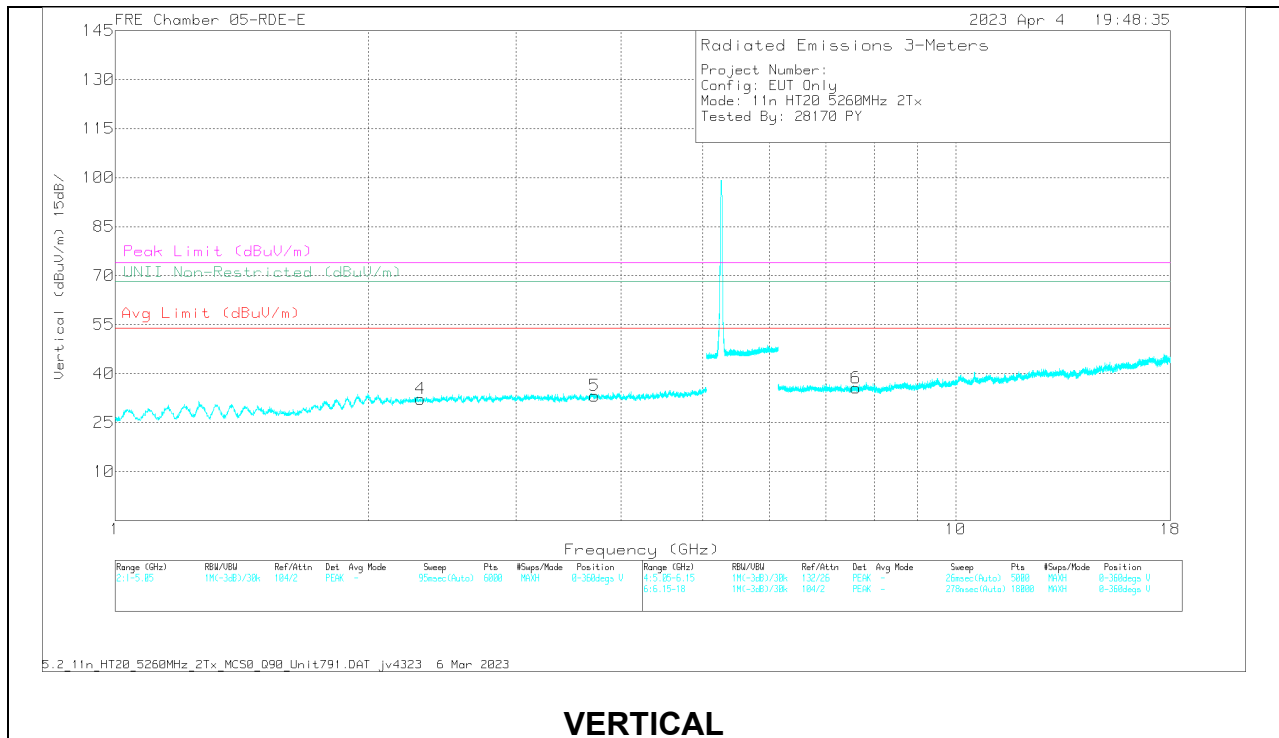
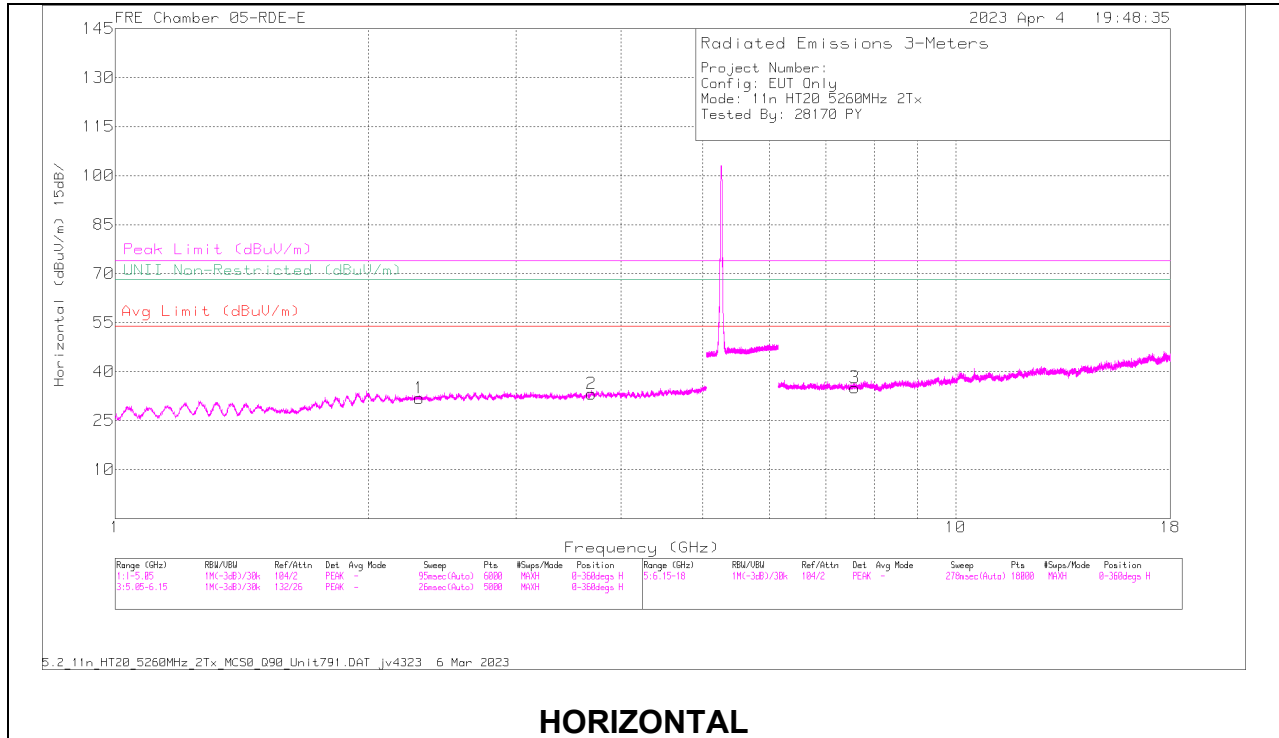
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 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	5350	52.99	Pk	34.6	0	-22.81	64.78	-	-	74	-9.22	322	103	V
3	5350	37.97	RMS	34.6	.41	-22.81	50.17	54	-3.83	-	-	322	103	V
4	5350.029	39.16	RMS	34.6	.41	-22.81	51.36	54	-2.64	-	-	322	103	V
2	5350.169	54.18	Pk	34.6	0	-22.81	65.97	-	-	74	-8.03	322	103	V

Pk - Peak detector
RMS - RMS detection

1.1.17. 5.3GHz Band HT20, 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

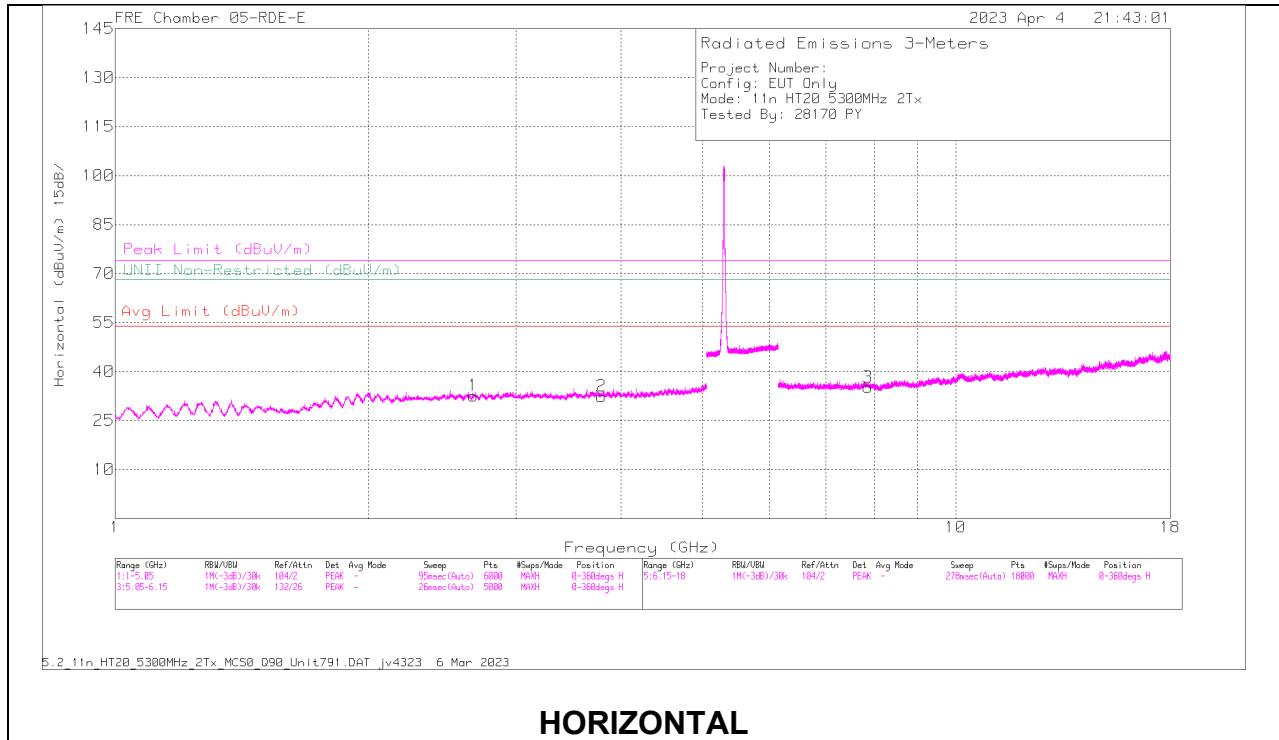


RADIATED EMISSIONS

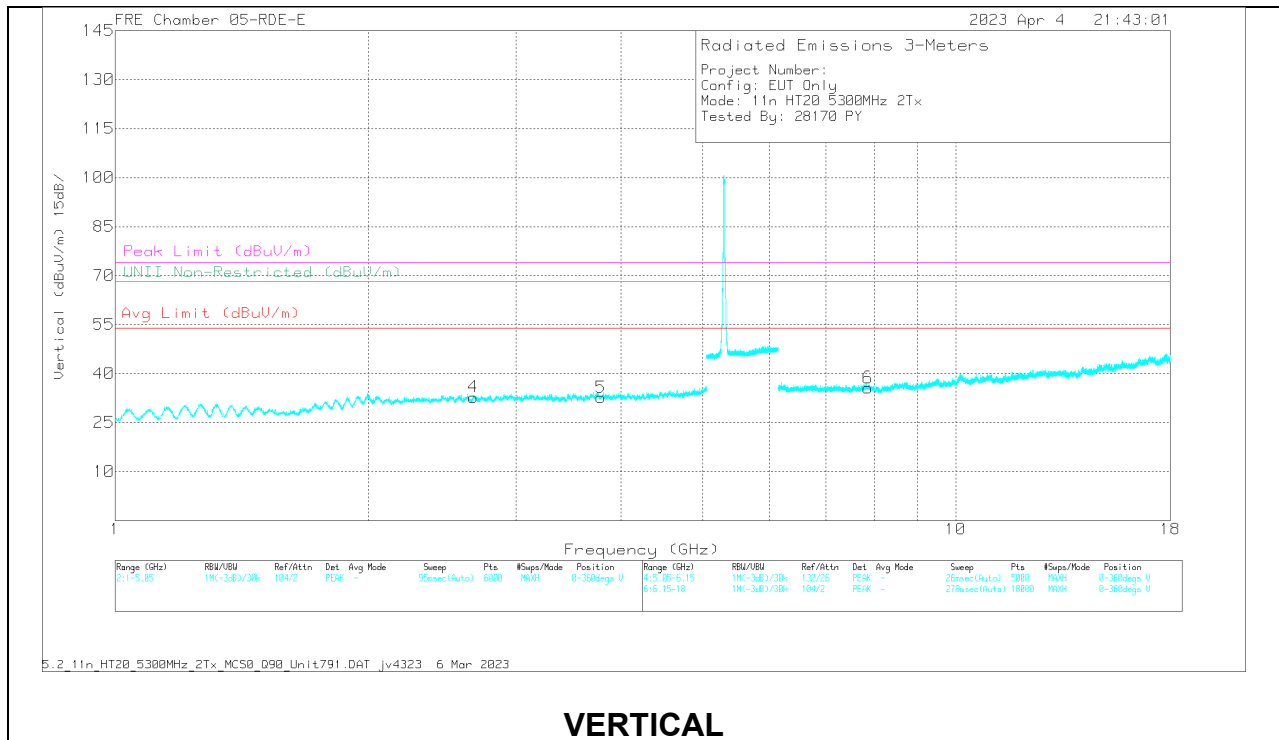
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.227992	60.94	PK-U	31.6	-50.56	41.98	-	-	74	-32.02	-	-	360	199	H
	* 2.215692	49.53	ADR	31.6	-50.55	30.58	54	-23.42	-	-	-	-	360	199	H
2	* 3.68612	58.11	PK-U	33.3	-47.47	43.94	-	-	74	-30.06	-	-	360	199	H
	* 3.685426	46.22	ADR	33.3	-47.47	32.05	54	-21.95	-	-	-	-	360	199	H
4	* 3.717732	57.87	PK-U	33.3	-47.49	43.68	-	-	74	-30.32	-	-	360	101	V
	* 3.716085	45.87	ADR	33.3	-47.5	31.67	54	-22.33	-	-	-	-	360	101	V
3	* 7.58525	56.67	PK-U	35.8	-46.33	46.14	-	-	74	-27.86	-	-	360	199	H
	* 7.581478	45.13	ADR	35.8	-46.46	34.47	54	-19.53	-	-	-	-	360	199	H
6	* 7.610563	56.91	PK-U	35.8	-46.28	46.43	-	-	74	-27.57	-	-	360	101	V
	* 7.611301	44.93	ADR	35.8	-46.27	34.46	54	-19.54	-	-	-	-	360	101	V
5	2.307991	61.08	PK-U	31.8	-50.29	42.59	-	-	-	-	68.2	-25.61	360	200	V

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

MID CHANNEL RESULTS



HORIZONTAL



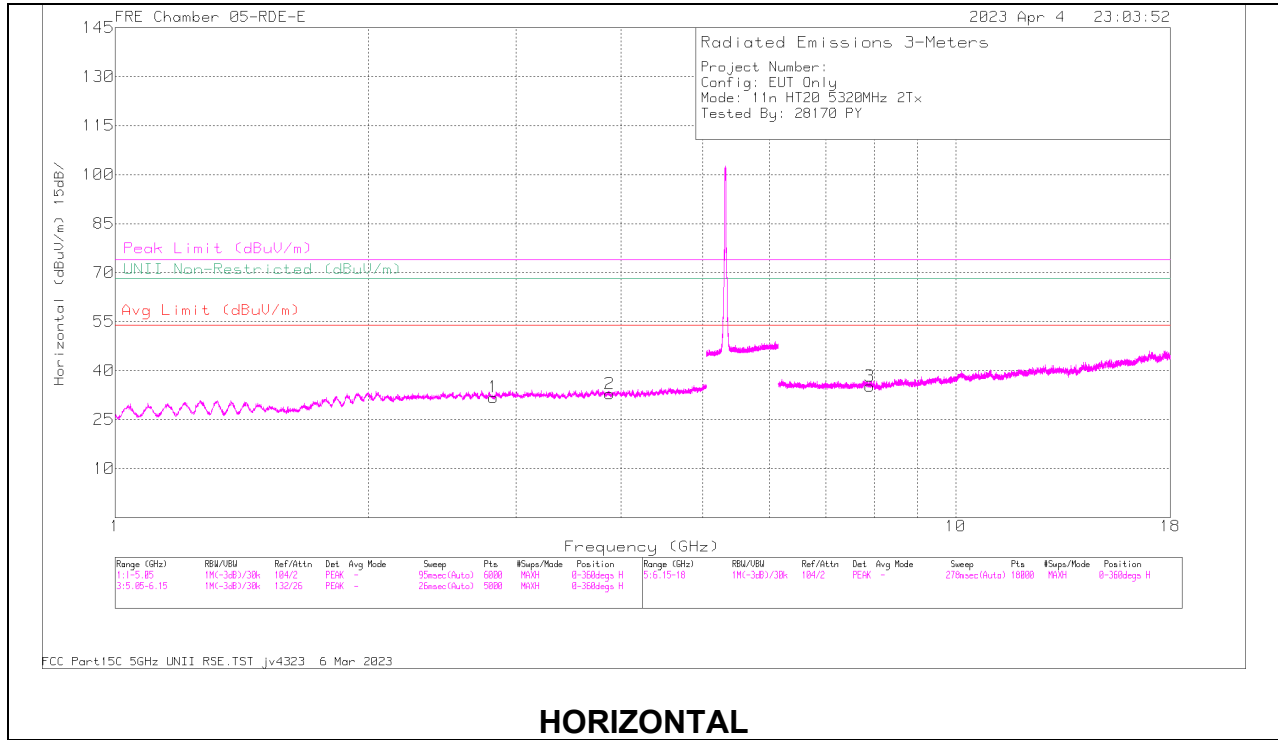
VERTICAL

RADIATED EMISSIONS

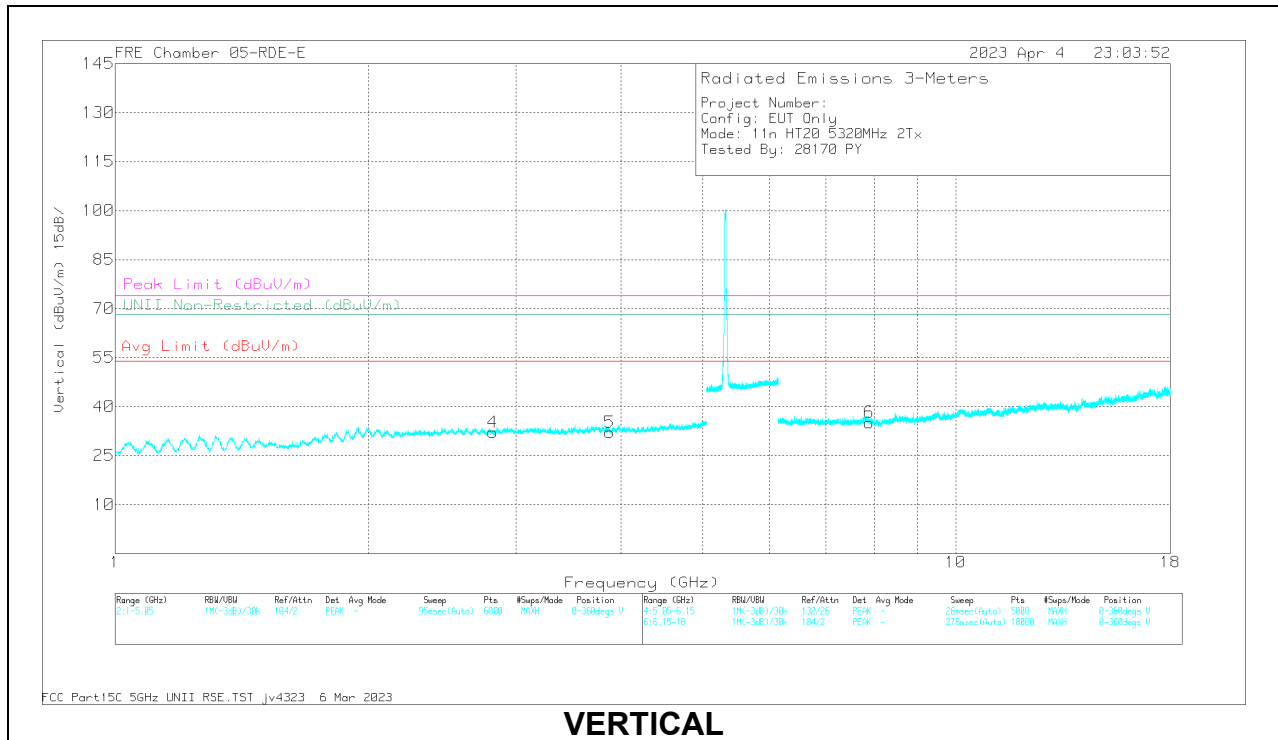
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.665995	60.27	PK-U	32.4	-49.5	43.17	-	-	74	-30.83	-	-	360	199	H
	* 2.668318	48.42	ADR	32.4	-49.54	31.28	54	-22.72	-	-	-	-	360	199	H
2	* 3.789777	56.85	PK-U	33.4	-47.11	43.14	-	-	74	-30.86	-	-	360	101	H
	* 3.787786	45.34	ADR	33.4	-47.16	31.58	54	-22.42	-	-	-	-	360	101	H
4	* 2.66646	60.5	PK-U	32.4	-49.52	43.38	-	-	74	-30.62	-	-	360	199	V
	* 2.667684	48.52	ADR	32.4	-49.54	31.38	54	-22.62	-	-	-	-	360	199	V
5	* 3.784325	56.87	PK-U	33.4	-47.19	43.08	-	-	74	-30.92	-	-	360	101	V
	* 3.780997	45.34	ADR	33.4	-47.06	31.68	54	-22.32	-	-	-	-	360	101	V
6	7.861705	56.94	PK-U	35.9	-46.28	46.56	-	-	-	-	68.2	-21.64	360	199	V
3	7.862924	56.8	PK-U	35.9	-46.26	46.44	-	-	-	-	68.2	-21.76	360	199	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



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.819537	58.93	PK-U	32.4	-49.17	42.16	-	-	74	-31.84	-	-	360	199	H
	* 2.816541	47.27	ADR	32.4	-49.19	30.48	54	-23.52	-	-	-	-	360	199	H
2	* 3.873938	57.32	PK-U	33.4	-47.26	43.46	-	-	74	-30.54	-	-	360	199	H
	* 3.875325	45.4	ADR	33.4	-47.28	31.52	54	-22.48	-	-	-	-	360	199	H
4	* 2.814765	59.5	PK-U	32.4	-49.23	42.67	-	-	74	-31.33	-	-	360	101	V
	* 2.811432	47.66	ADR	32.4	-49.27	30.79	54	-23.21	-	-	-	-	360	101	V
5	* 3.876455	57.19	PK-U	33.4	-47.28	43.31	-	-	74	-30.69	-	-	360	101	V
	* 3.873945	45.34	ADR	33.4	-47.26	31.48	54	-22.52	-	-	-	-	360	101	V
6	7.889414	56.22	PK-U	35.9	-46.3	45.82	-	-	-	-	68.2	-22.42	360	200	V
	7.901868	56.15	PK-U	35.9	-46.3	45.75	-	-	-	-	68.2	-22.45	360	200	H

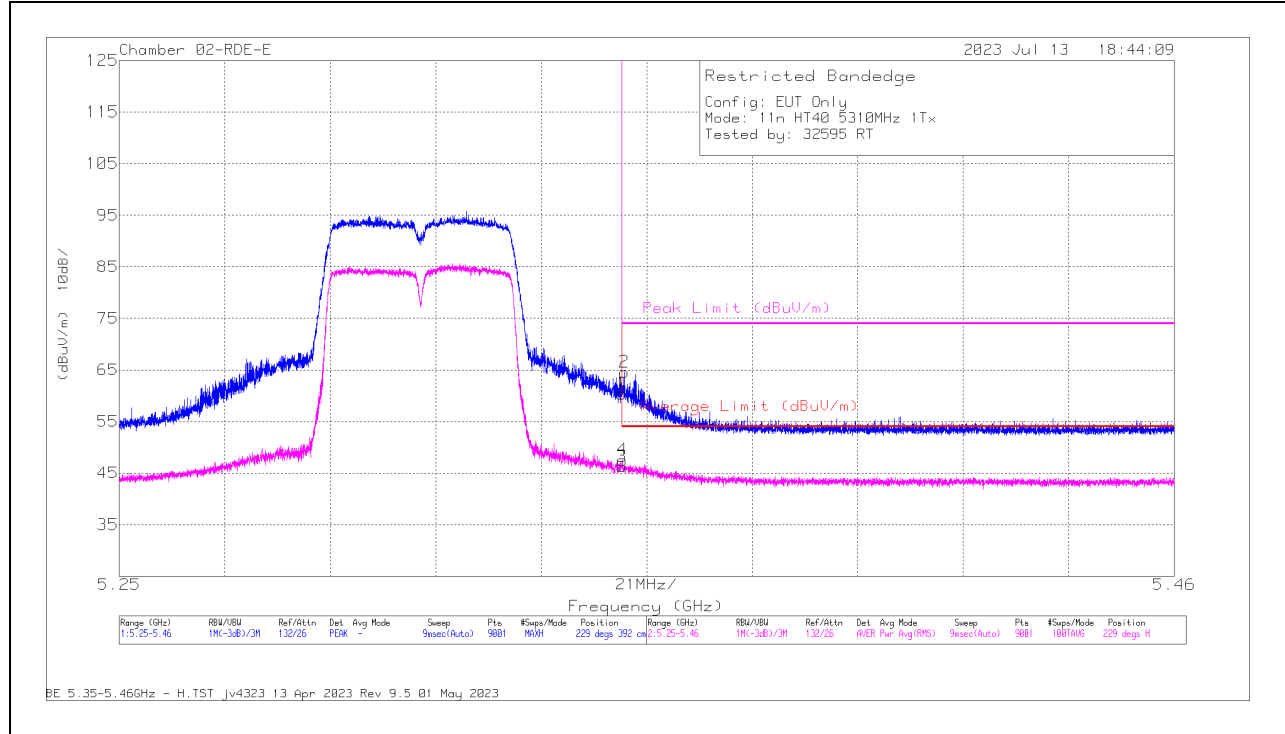
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

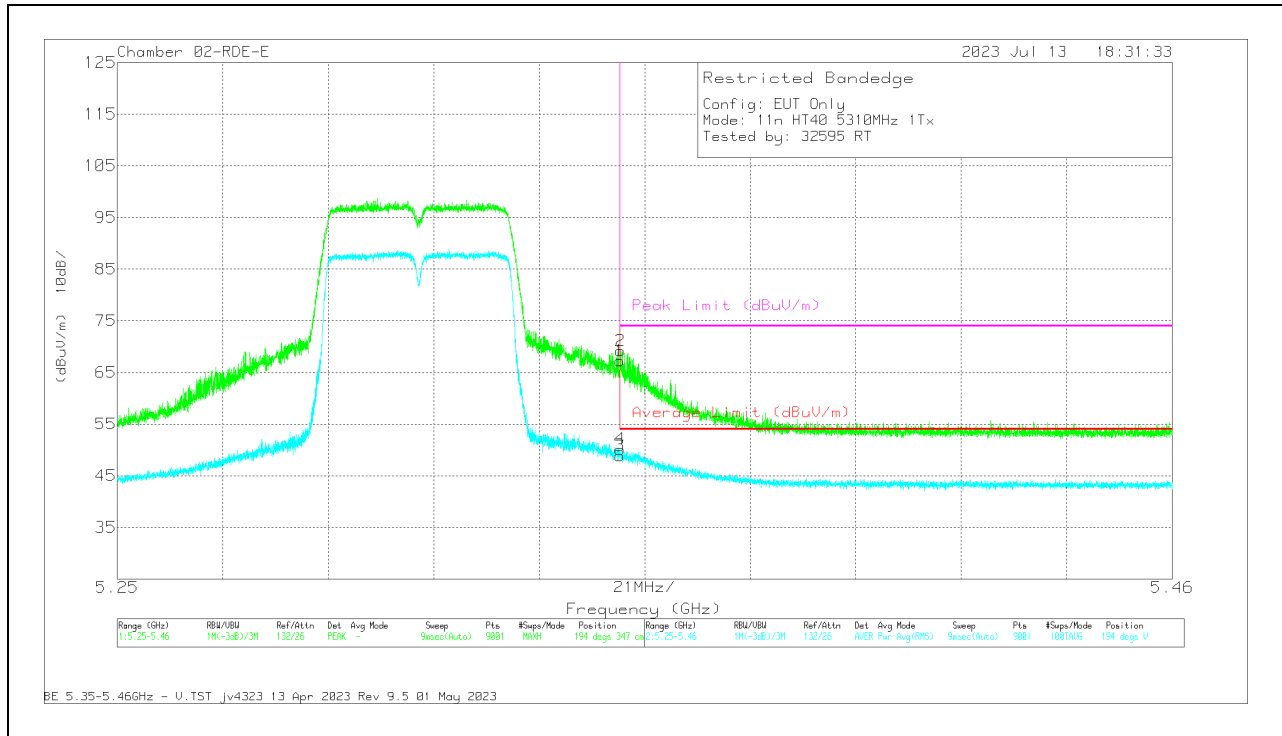


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	63.55	PK	34.5	0	-37.68	60.37	-	-	74	-13.63	229	392	H
2	* 5.350565	67.8	PK	34.5	0	-37.69	64.61	-	-	74	-9.39	229	392	H
3	* 5.35	48.79	RMS	34.5	0.17	-37.68	45.78	54	-8.22	-	-	229	392	H
4	* 5.350122	50.09	RMS	34.5	0.17	-37.68	47.08	54	-6.92	-	-	229	392	H

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

VERTICAL RESULT



Trace Markers

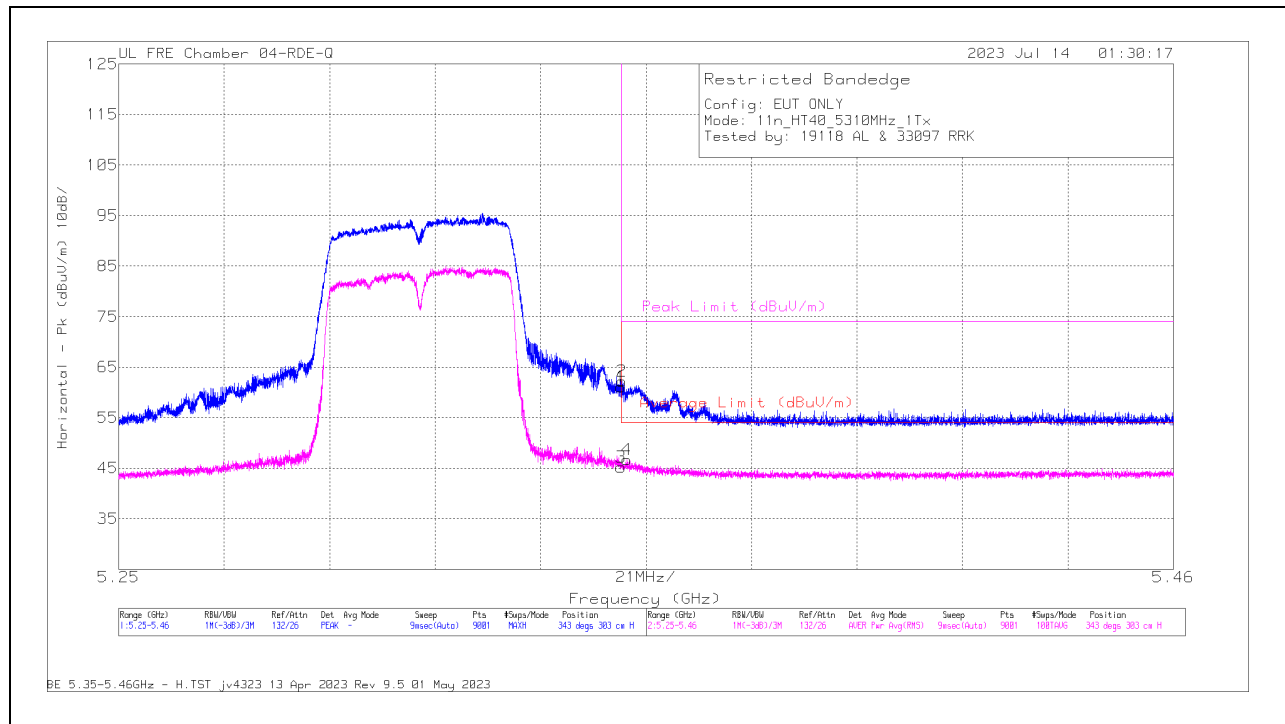
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	70.41	Pk	34.5	0	-37.68	67.23	-	-	74	-6.77	194	347	V
2	* 5.350122	72.36	Pk	34.5	0	-37.68	69.18	-	-	74	-4.82	194	347	V
3	* 5.35	51.41	RMS	34.5	0.17	-37.68	48.4	54	-5.6	-	-	194	347	V
4	* 5.350099	52.63	RMS	34.5	0.17	-37.68	49.82	54	-4.38	-	-	194	347	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

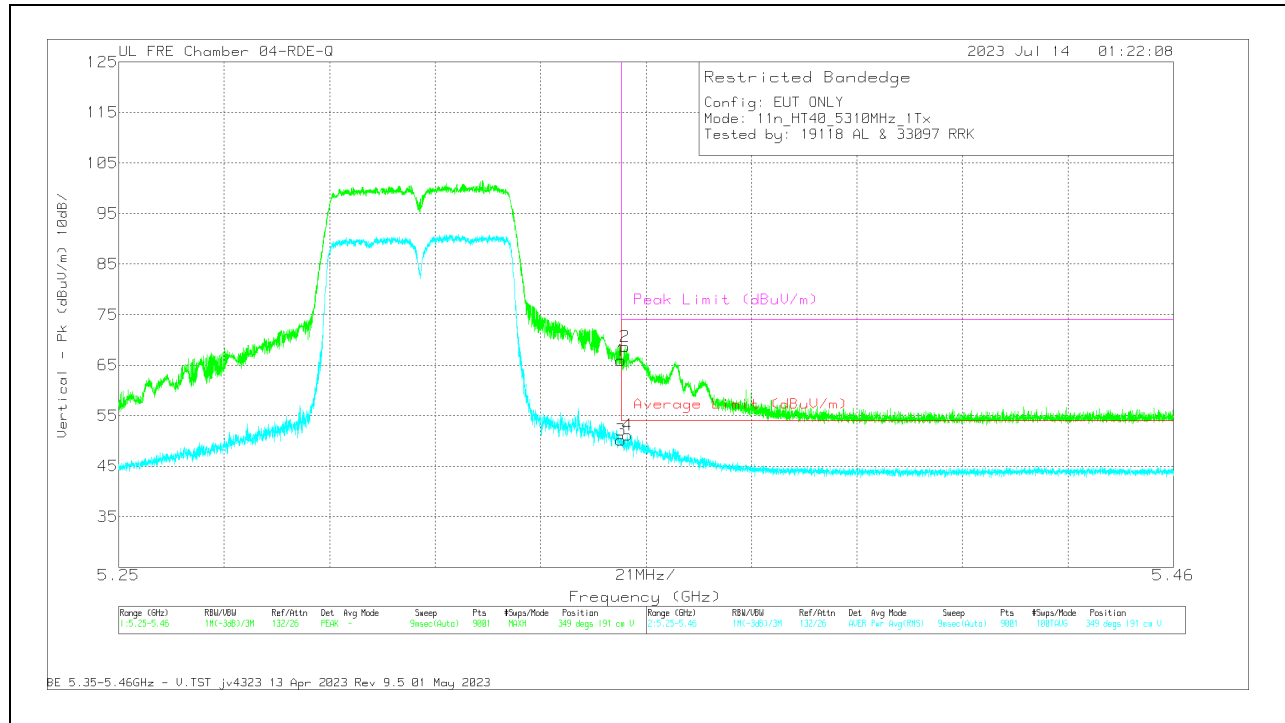


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	84796 ACF (dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	63.38	PK	34.2	0	-36.54	61.04	-	-	74	-12.96	343	303	H
3	5.35	47.32	RMS	34.2	0.17	-36.54	45.15	54	-8.85	-	-	343	303	H
2	5.35019	64.61	PK	34.2	0	-36.55	62.26	-	-	74	-11.74	343	303	H
4	5.35115	48.93	RMS	34.2	0.17	-36.58	46.72	54	-7.28	-	-	343	303	H

PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

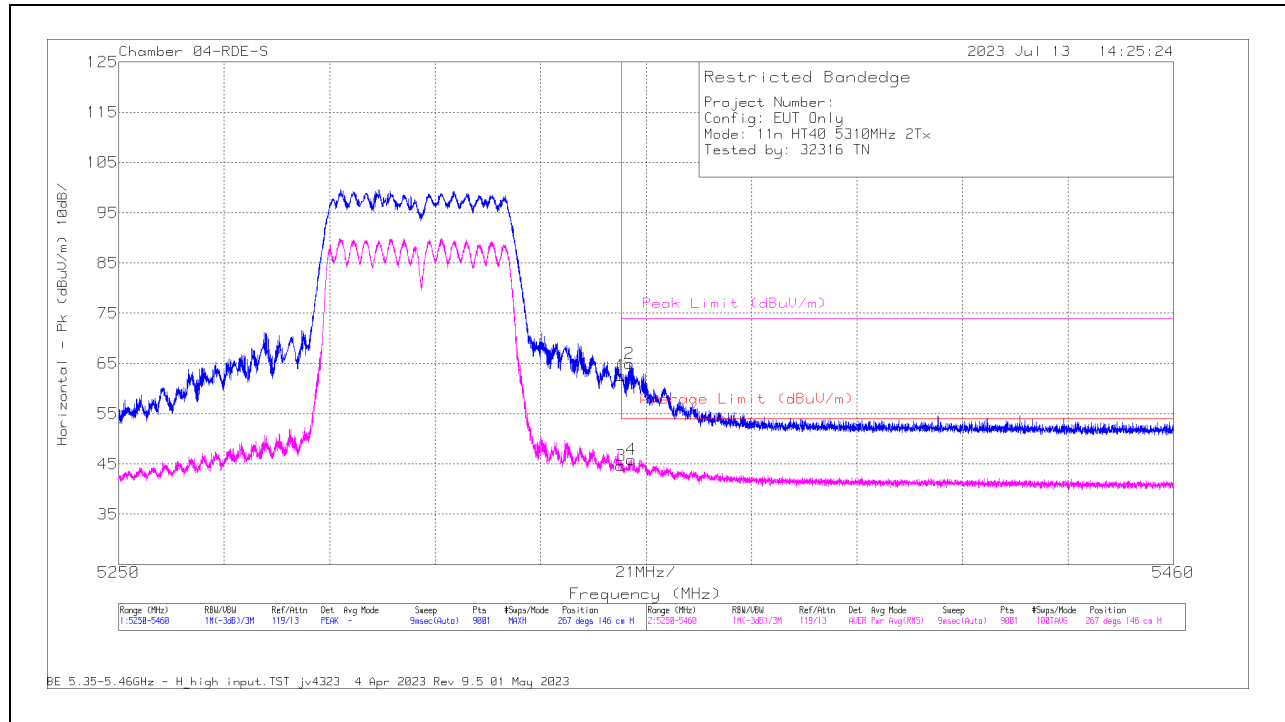
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	68.26	Pk	34.2	0	-36.54	65.92	-	-	74	-8.08	349	191	V
3	5.35	52.29	RMS	34.2	0.17	-36.54	50.12	54	-3.88	-	-	349	191	V
2	5.35075	71.01	Pk	34.2	0	-36.57	68.64	-	-	74	-5.36	349	191	V
4	5.35131	53.4	RMS	34.2	0.17	-36.58	51.19	54	-2.81	-	-	349	191	V

Pk - Peak detector
RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

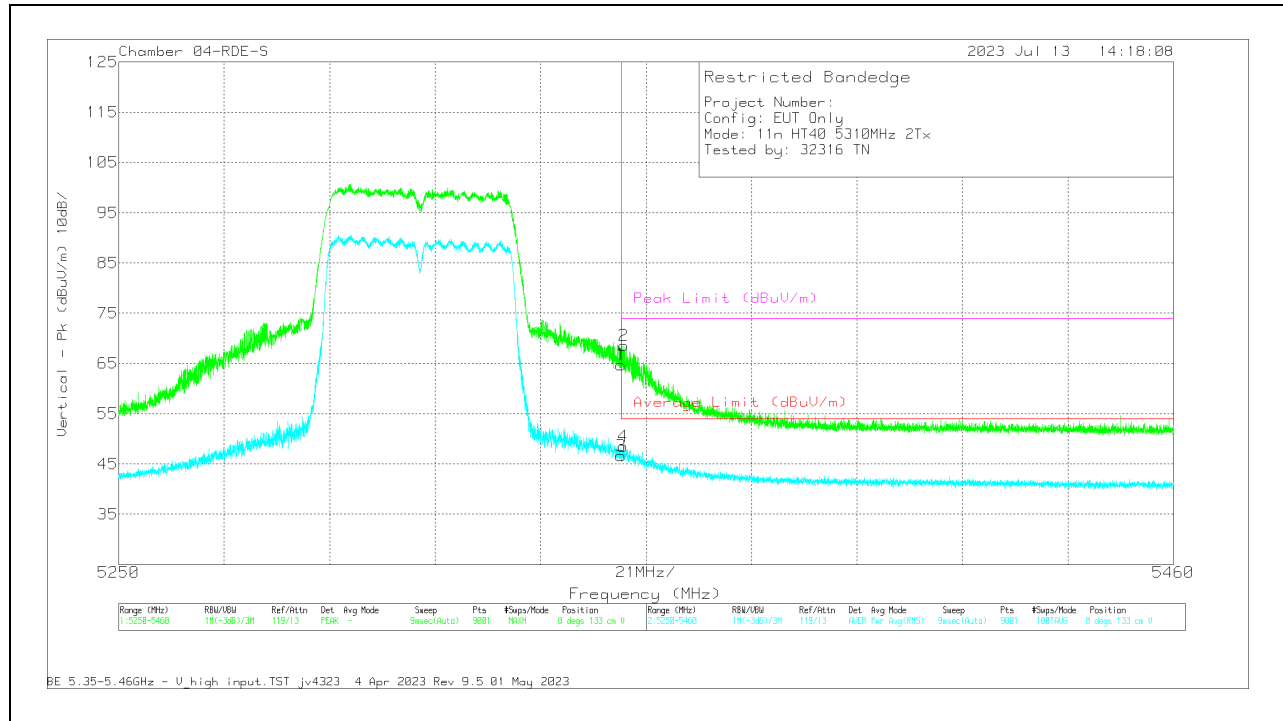


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 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	5350	50.78	Pk	34.6	0	-22.81	62.57	-	-	74	-11.43	267	146	H
3	5350	32.65	RMS	34.6	.17	-22.81	44.61	54	-9.39	-	-	267	146	H
2	5351.662	53.21	Pk	34.6	0	-22.81	65	-	-	74	-9	267	146	H
4	5352.082	33.93	RMS	34.6	.17	-22.8	45.9	54	-8.1	-	-	267	146	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



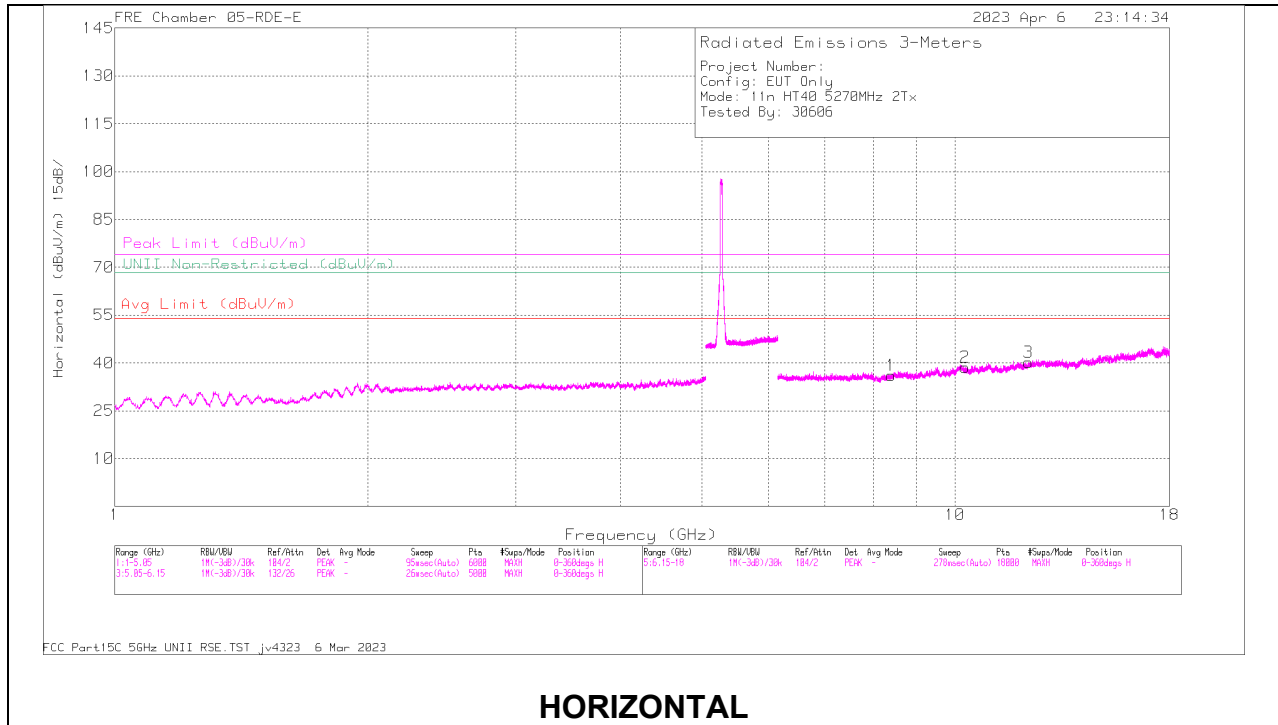
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 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	5350	52.98	Pk	34.6	0	-22.81	64.77	-	-	74	-9.23	8	133	V
3	5350	34.64	RMS	34.6	.17	-22.81	46.6	54	-7.4	-	-	8	133	V
4	5350.495	36.54	RMS	34.6	.17	-22.81	48.5	54	-5.5	-	-	8	133	V
2	5350.589	56.8	Pk	34.6	0	-22.82	68.58	-	-	74	-5.42	8	133	V

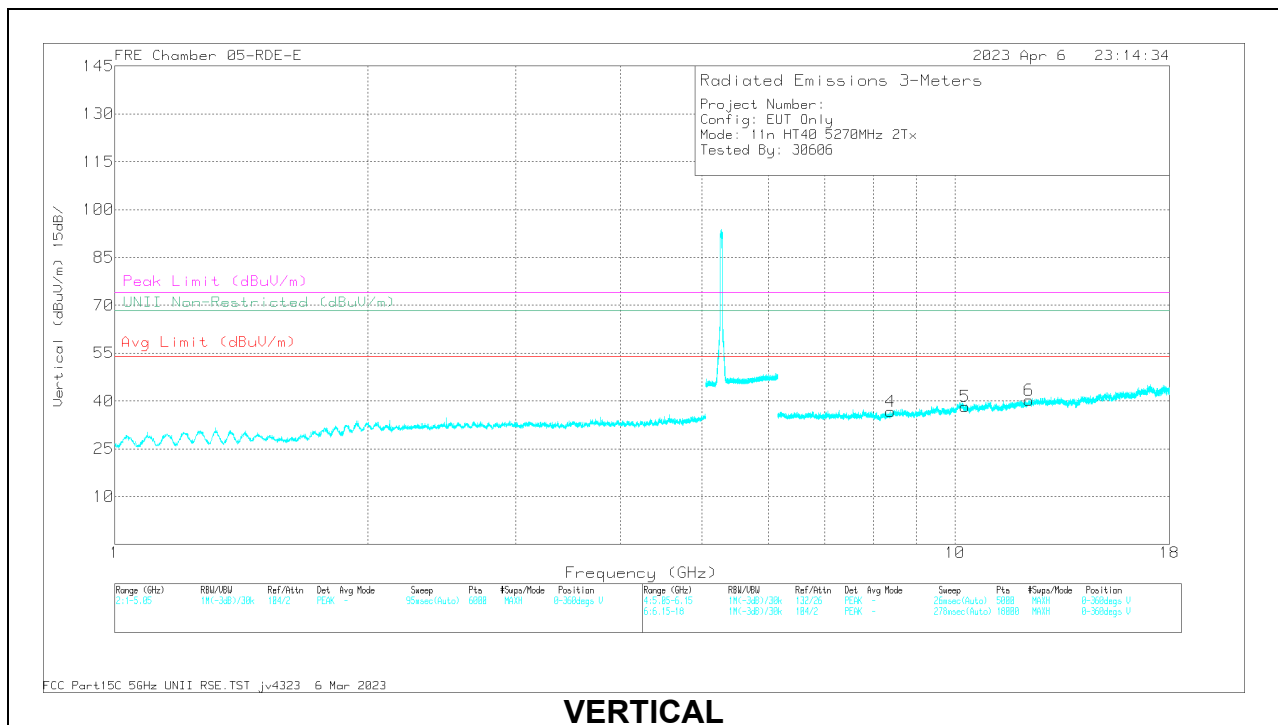
PK - Peak detector
RMS - RMS detection

1.1.19. 5.3GHz Band HT40 2TX HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



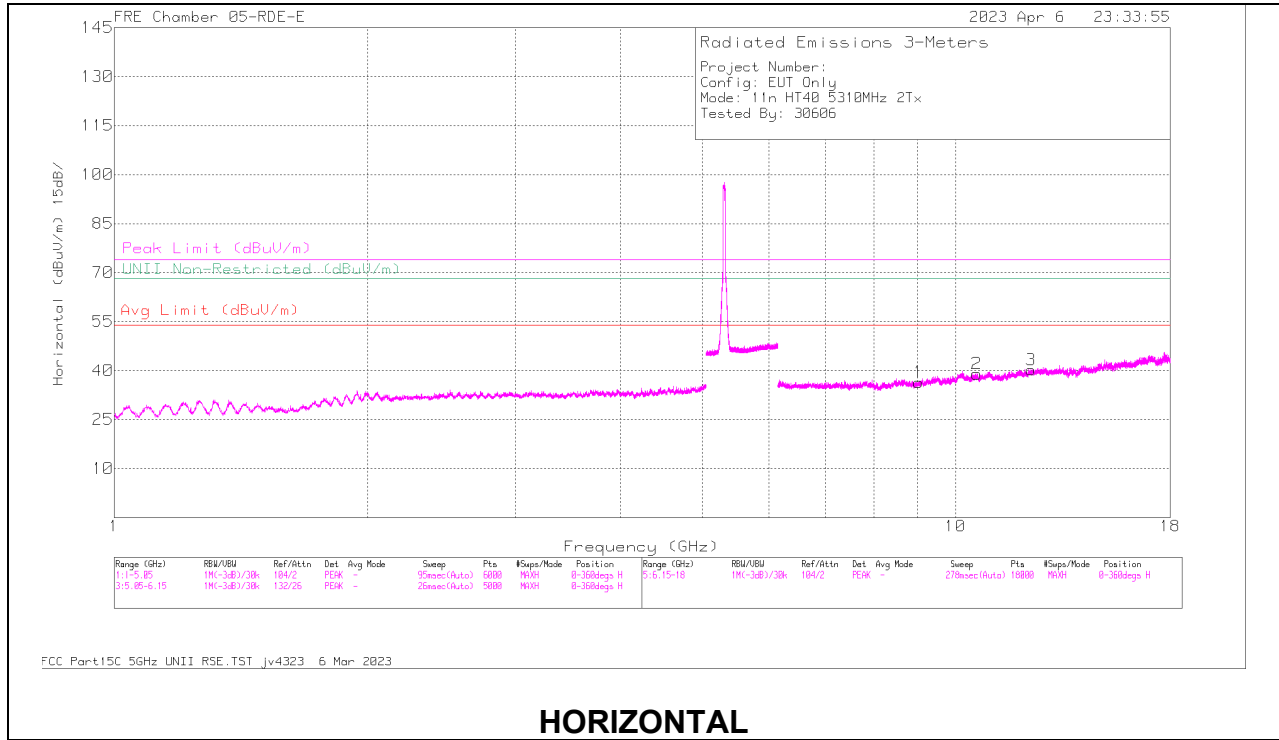
VERTICAL

RADIATED EMISSIONS

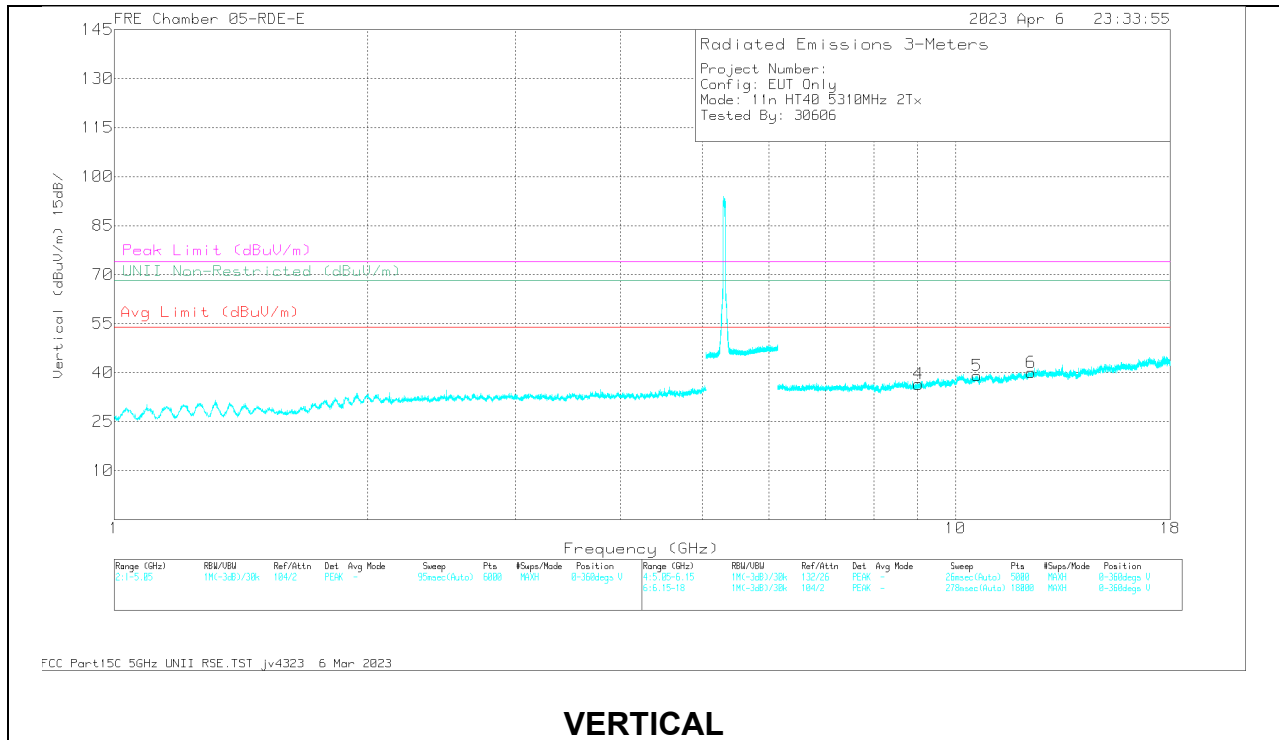
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	8.387592	43.59	ADR	35.8	0.1	-44.89	34.6	54	-19.4	-	-	-	-	54	131	V
	8.39028	55.87	PK-U	35.8	0	-44.85	46.82	-	-	74	-27.18	-	-	54	131	V
1	8.396359	55.69	PK-U	35.8	0	-44.9	46.59	-	-	74	-27.41	-	-	13	135	H
	8.397291	43.58	ADR	35.8	0.1	-44.87	34.61	54	-19.39	-	-	-	-	13	135	H
	10.280982	56.94	PK-U	37.5	0	-46.5	47.94	-	-	-	-	68.2	-20.26	46	118	V
	10.283866	57.09	PK-U	37.5	0	-46.55	48.04	-	-	-	-	68.2	-20.16	19	123	H
3	12.225269	54.9	PK-U	38.8	0	-43.95	49.75	-	-	74	-24.25	-	-	37	142	H
	12.226591	43.31	ADR	38.8	0.1	-43.93	38.28	54	-15.72	-	-	-	-	37	142	H
6	12.242067	54.78	PK-U	38.8	0	-43.9	49.68	-	-	74	-24.32	-	-	55	126	V
	12.243253	43.35	ADR	38.8	0.1	-43.93	38.32	54	-15.68	-	-	-	-	55	126	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	9.042048	54.76	PK-U	36.2	0	-44.57	46.39	-	-	74	-27.61	52	127	V
	9.043071	43.58	ADR	36.2	0.1	-44.57	35.86	54	-18.14	-	-	11	114	H
1	9.044038	43.46	ADR	36.2	0.1	-44.58	35.73	54	-18.27	-	-	52	127	V
	9.044374	55.02	PK-U	36.2	0	-44.59	46.63	-	-	74	-27.37	11	114	H
2	10.598344	43.96	ADR	37.8	0.1	-45.19	37.22	-	-	-	-	16	104	H
	10.601662	55.94	PK-U	37.8	0	-45.12	48.62	-	-	74	-25.38	16	104	H
5	10.608831	43.93	ADR	37.8	0.1	-44.94	37.44	54	-16.56	-	-	72	114	V
	10.610513	55.69	PK-U	37.8	0	-44.89	48.6	-	-	74	-25.4	72	114	V
6	12.296324	54.06	PK-U	38.8	0	-43.39	49.47	-	-	74	-24.53	60	123	V
	12.297494	42.78	ADR	38.8	0.1	-43.34	38.89	54	-15.11	-	-	60	123	V
3	12.299999	55.22	PK-U	38.8	0	-43.31	50.71	-	-	74	-23.29	35	117	H
	12.30308	42.72	ADR	38.8	0.1	-43.32	38.85	54	-15.15	-	-	35	117	H

PK-U - U-NII: Maximum Peak

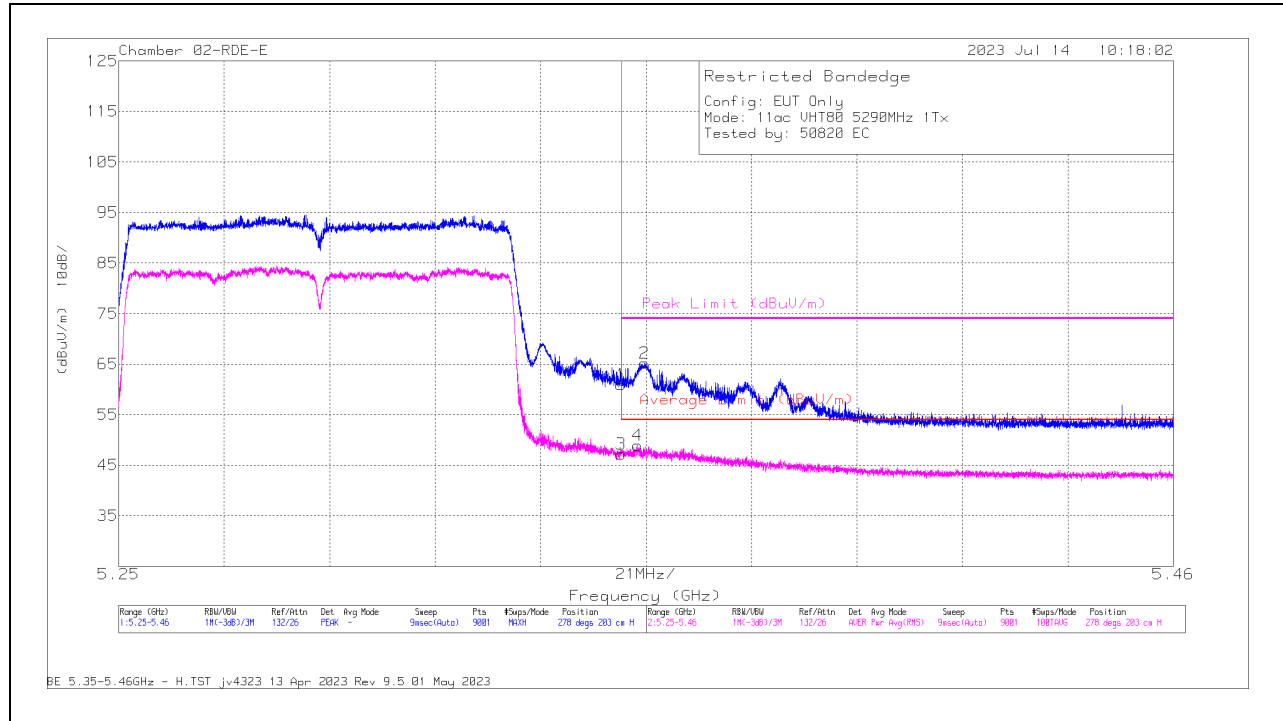
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

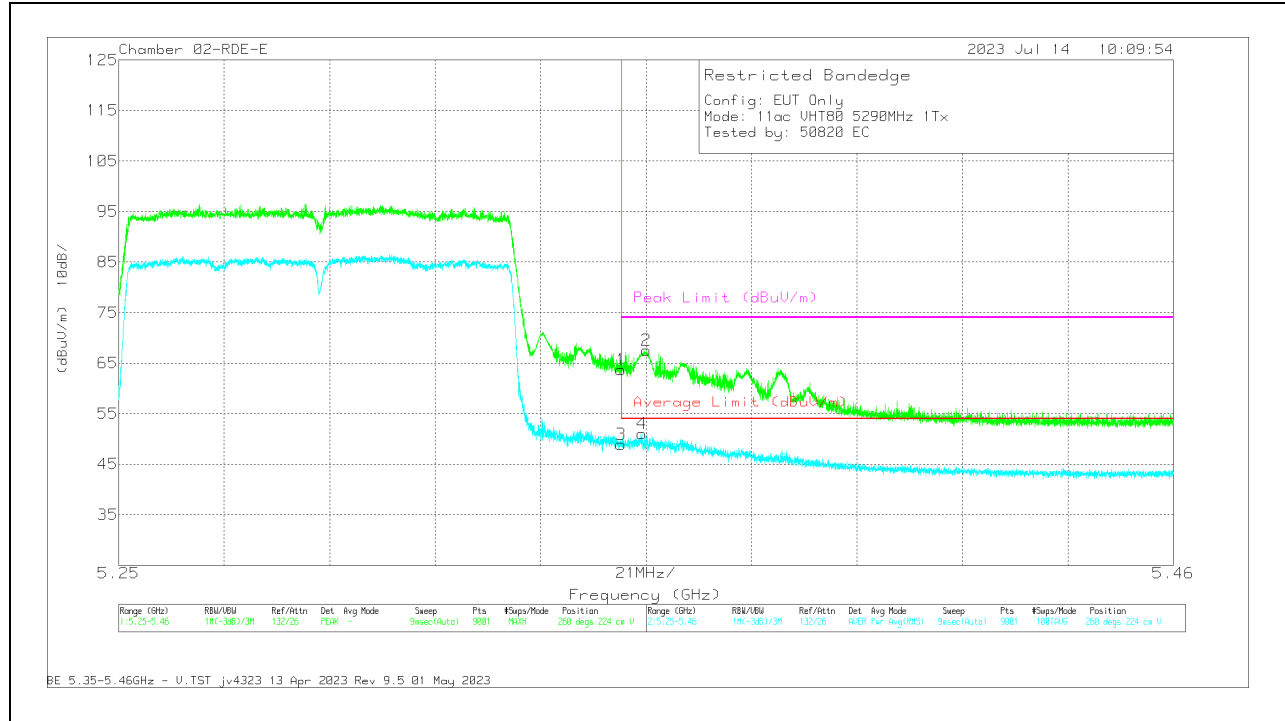


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	68.2	Pk	34.5	0	-37.68	61.02	-	-	74	-12.98	278	203	H
2	* 5.354625	68.3	Pk	34.5	0	-37.68	65.14	-	-	74	-8.86	278	203	H
3	* 5.35	49.95	RMS	34.5	0.72	-37.68	47.49	54	-6.51	-	-	278	203	H
4	* 5.353319	51.64	RMS	34.5	0.72	-37.68	49.18	54	-4.82	-	-	278	203	H

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

VERTICAL RESULT



Trace Markers

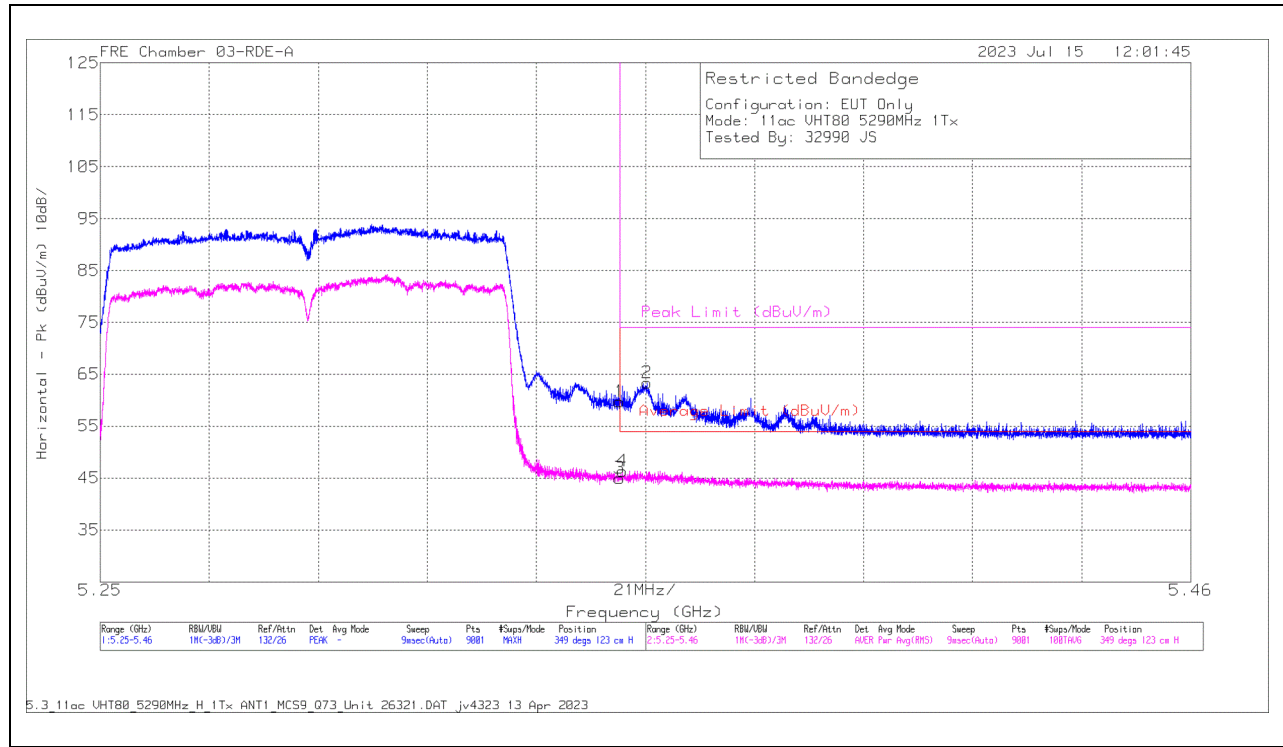
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	66.91	Pk	34.5	0	-37.68	63.73	-	-	74	-10.27	260	224	V
2	* 5.355022	70.75	Pk	34.5	0	-37.66	67.59	-	-	74	-6.41	260	224	V
3	* 5.35	51.64	RMS	34.5	0.72	-37.68	49.18	54	-4.82	-	-	260	224	V
4	* 5.354159	53.79	RMS	34.5	0.72	-37.67	51.34	54	-2.66	-	-	260	224	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

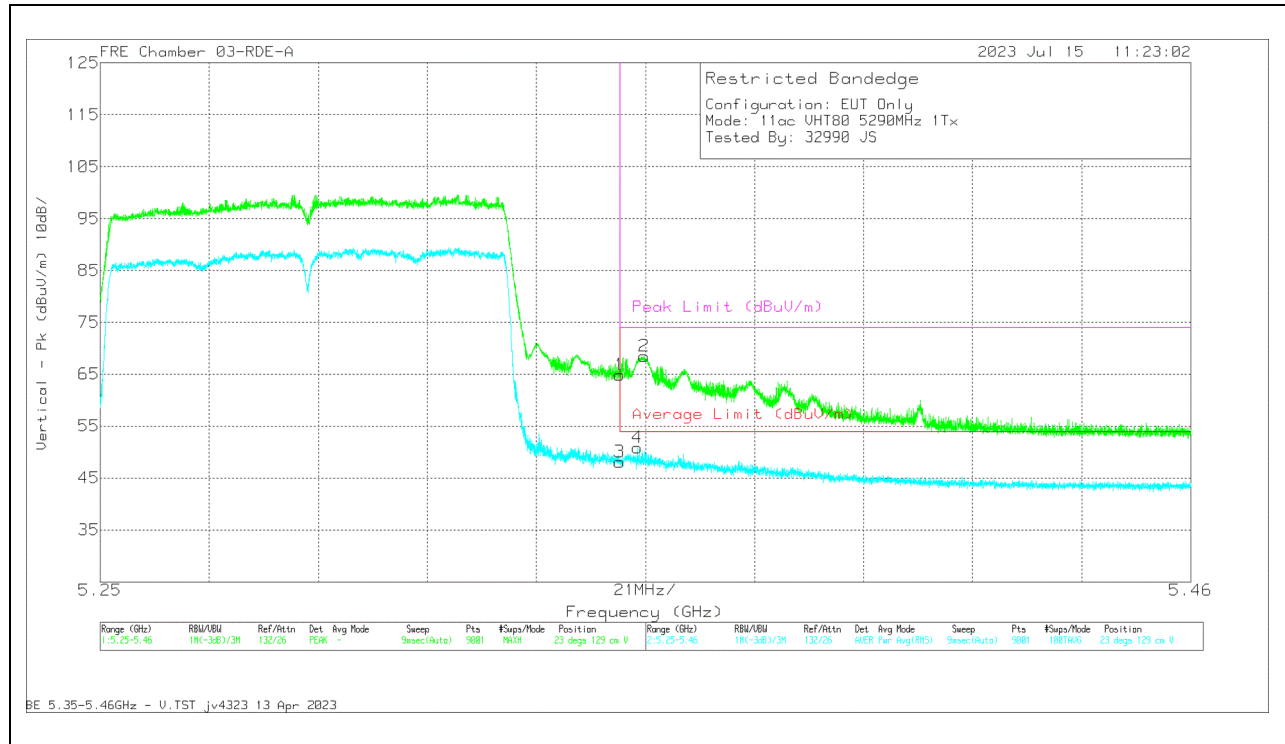


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	63.79	Pk	34.4	0	-38.46	59.73	-	-	74	-14.27	349	123	H
2	* 5.355279	67.48	Pk	34.4	0	-38.52	63.96	-	-	74	-10.64	349	123	H
3	* 5.35	48.59	RMS	34.4	0.72	-38.46	45.25	54	-8.75	-	-	349	123	H
4	* 5.350565	49.94	RMS	34.4	0.72	-38.46	46.6	54	-7.4	-	-	349	123	H

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

VERTICAL RESULT



Trace Markers

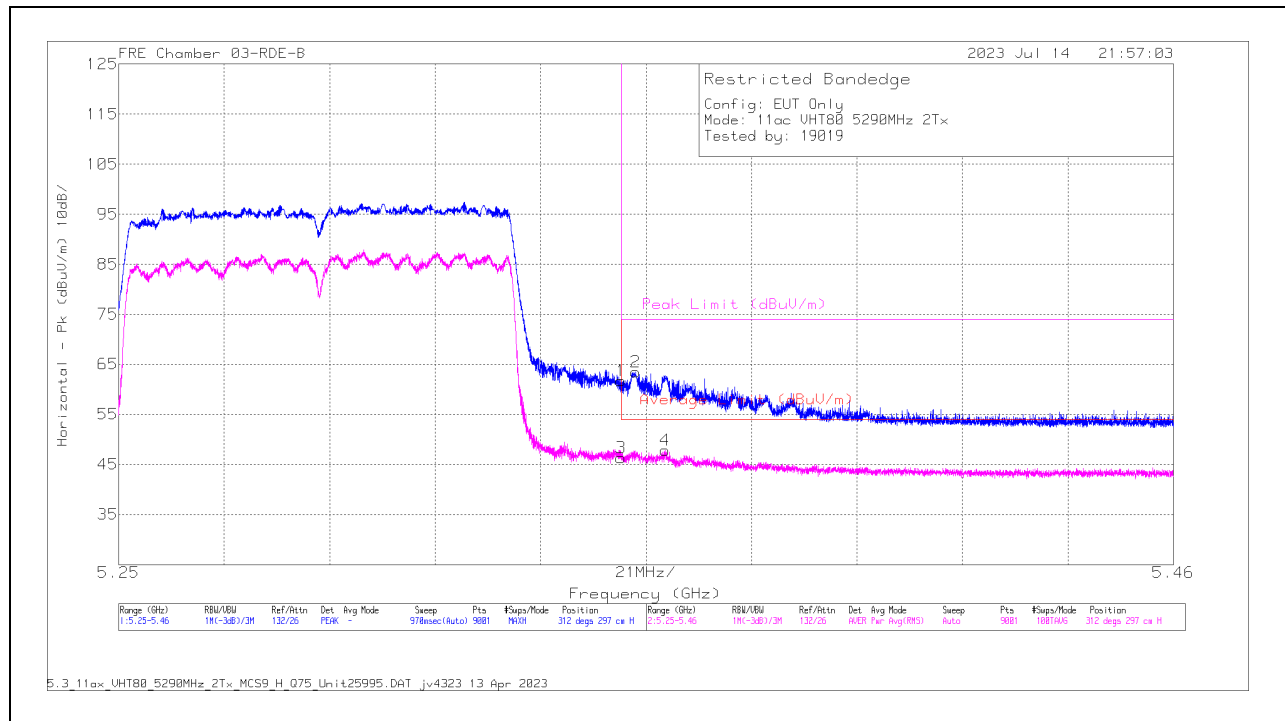
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	68.88	Pk	34.4	0	-38.46	64.82	-	-	74	-9.18	23	129	V
2	* 5.354742	72.66	Pk	34.4	0	-38.52	68.54	-	-	74	-5.46	23	129	V
3	* 5.35	51.64	RMS	34.4	0.72	-38.46	48.3	54	-5.7	-	-	23	129	V
4	* 5.353435	54.49	RMS	34.4	0.72	-38.51	51.1	54	-2.9	-	-	23	129	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

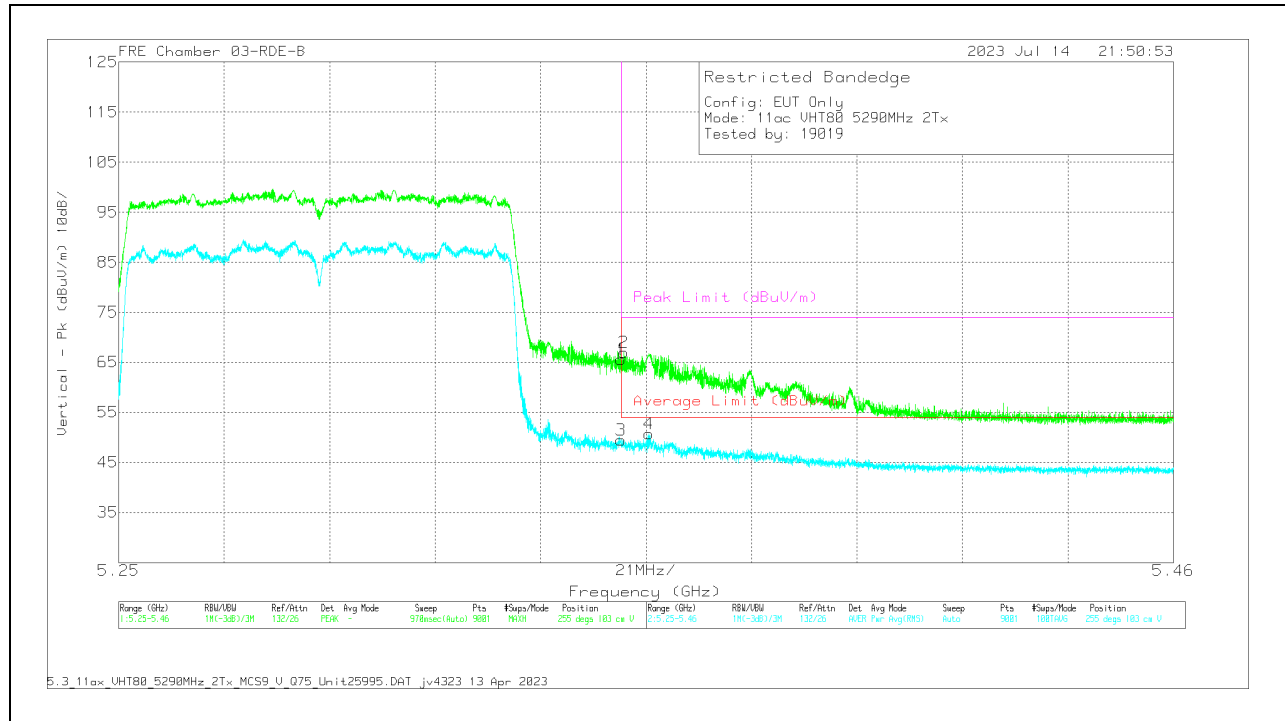


Trace Markers

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	66.92	Pk	34.4	0	-39.6	61.72	-	-	74	-12.28	312	297	H
2	* 5.352899	68.75	Pk	34.4	0	-39.69	63.46	-	-	74	-10.54	312	297	H
3	* 5.35	50.85	RMS	34.4	-72	-39.6	48.37	54	-7.63	-	-	312	297	H
4	* 5.358848	52.32	RMS	34.4	-72	-39.6	47.84	54	-6.16	-	-	312	297	H

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

VERTICAL RESULT



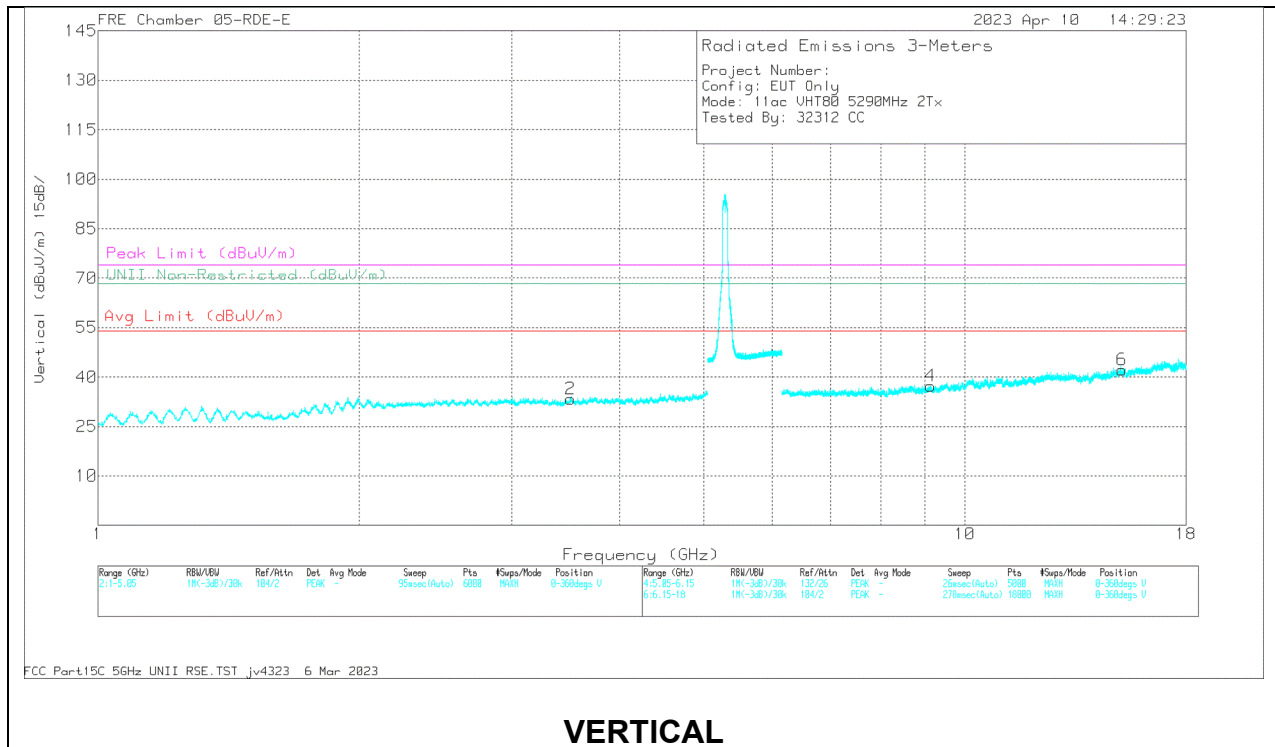
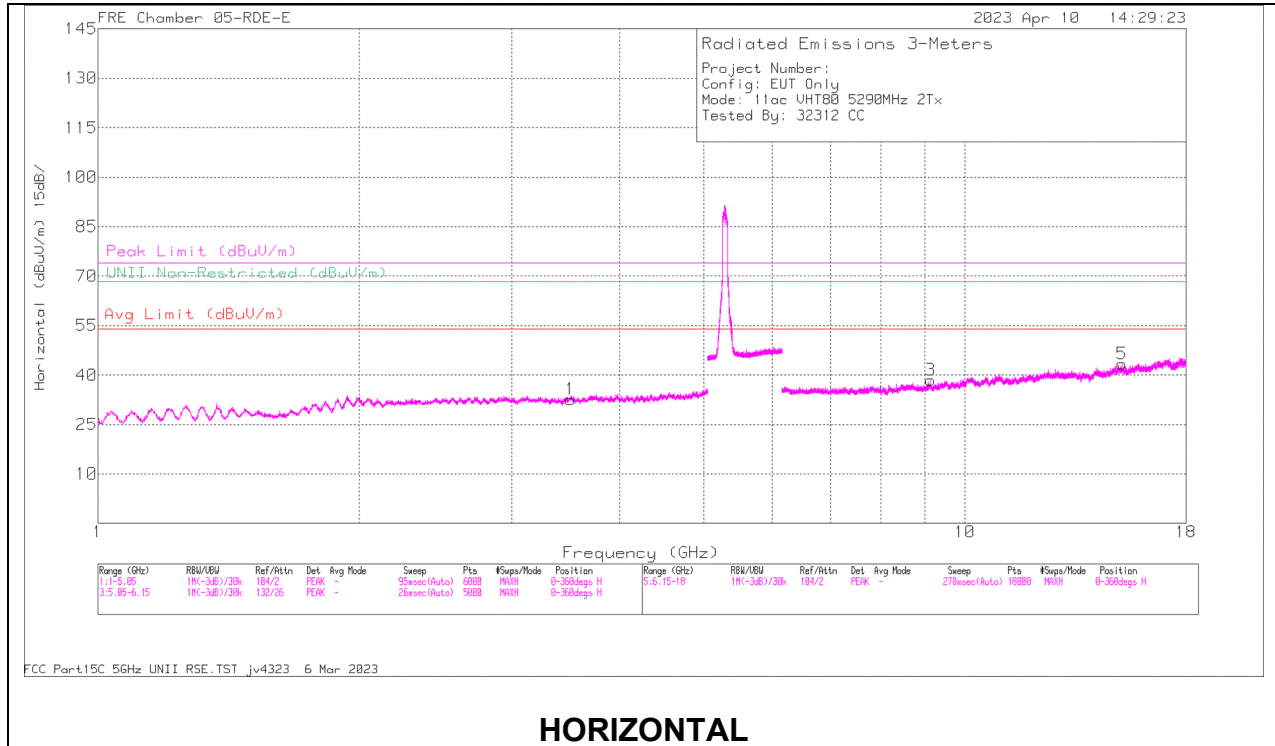
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	230300 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	70.76	Pk	34.4	0	-39.6	65.56	-	-	74	-8.44	255	103	V
2	* 5.350519	72.14	Pk	34.4	0	-39.6	66.94	-	-	74	-7.06	255	103	V
3	* 5.35	53.91	RMS	34.4	.72	-39.6	49.43	54	-4.57	-	-	255	103	V
4	* 5.355582	55.21	RMS	34.4	.72	-39.6	50.73	54	-3.27	-	-	255	103	V

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

1.1.21. 5.3GHz Band, VHT80 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS (5290MHz)



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	3.504092	57.85	PK-U	32.9	0	-47.15	43.6	-	-	74	-30.4	-	-	360	199	V
	3.504616	46.06	ADR	32.9	0.2	-47.14	32.02	54	-21.98	-	-	-	-	360	199	V
1	3.50576	57.57	PK-U	32.9	0	-47.15	43.32	-	-	74	-30.68	-	-	360	199	H
	3.504571	45.99	ADR	32.9	0.2	-47.14	31.95	54	-22.05	-	-	-	-	360	199	H
4	9.125235	55.78	PK-U	36.2	0	-44.67	47.31	-	-	74	-26.69	-	-	360	101	V
	9.127126	44.33	ADR	36.2	0.2	-44.74	35.99	54	-18.01	-	-	-	-	360	101	V
3	9.125937	55.7	PK-U	36.2	0	-44.7	47.2	-	-	74	-26.8	-	-	360	199	H
	9.127515	44.34	ADR	36.2	0.2	-44.75	35.99	54	-18.01	-	-	-	-	360	199	H
5	15.180603	55.15	PK-U	39.9	0	-43.16	51.89	-	-	-	-	68.2	-16.31	360	101	H
	15.184084	55.97	PK-U	39.9	0	-43.11	52.76	-	-	-	-	68.2	-15.44	360	101	V

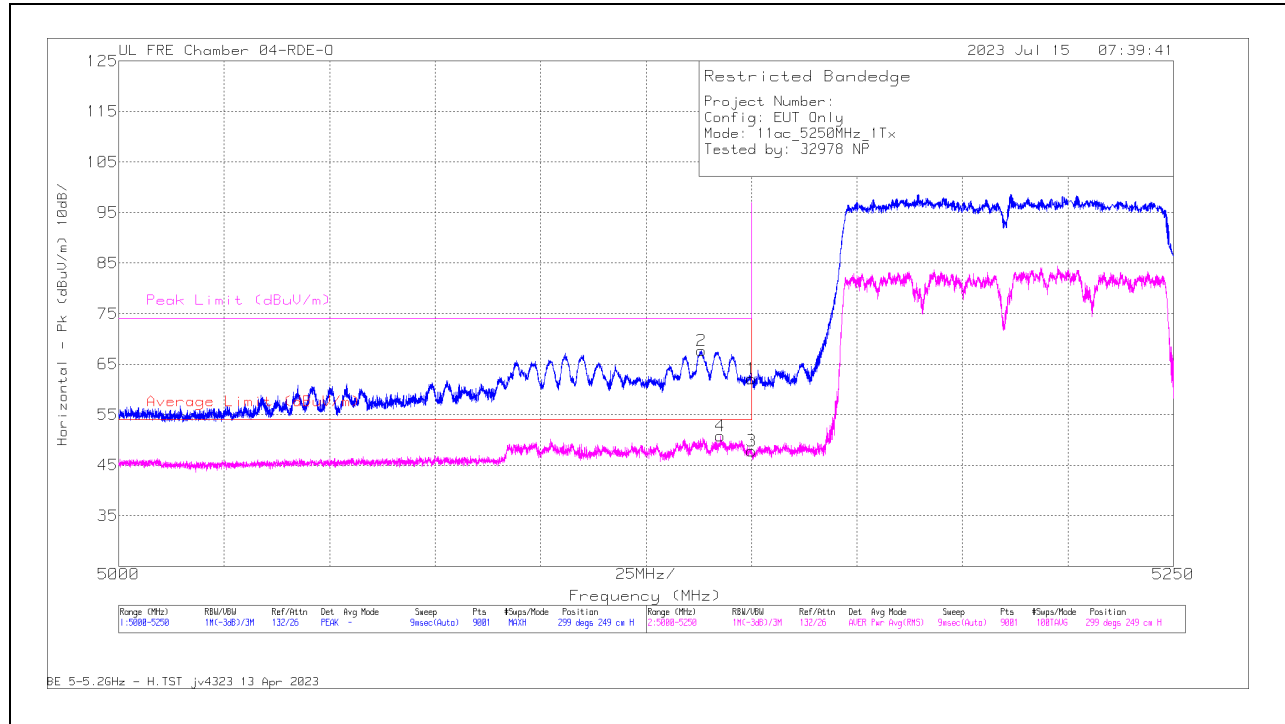
PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

1.1.22. TX ABOVE 1 GHz 802.11ac VHT160 MODE IN THE 5.3 GHz BAND

1TX Antenna 6

BANDEDGE (MID CHANNEL LOW EDGE)

HORIZONTAL RESULT



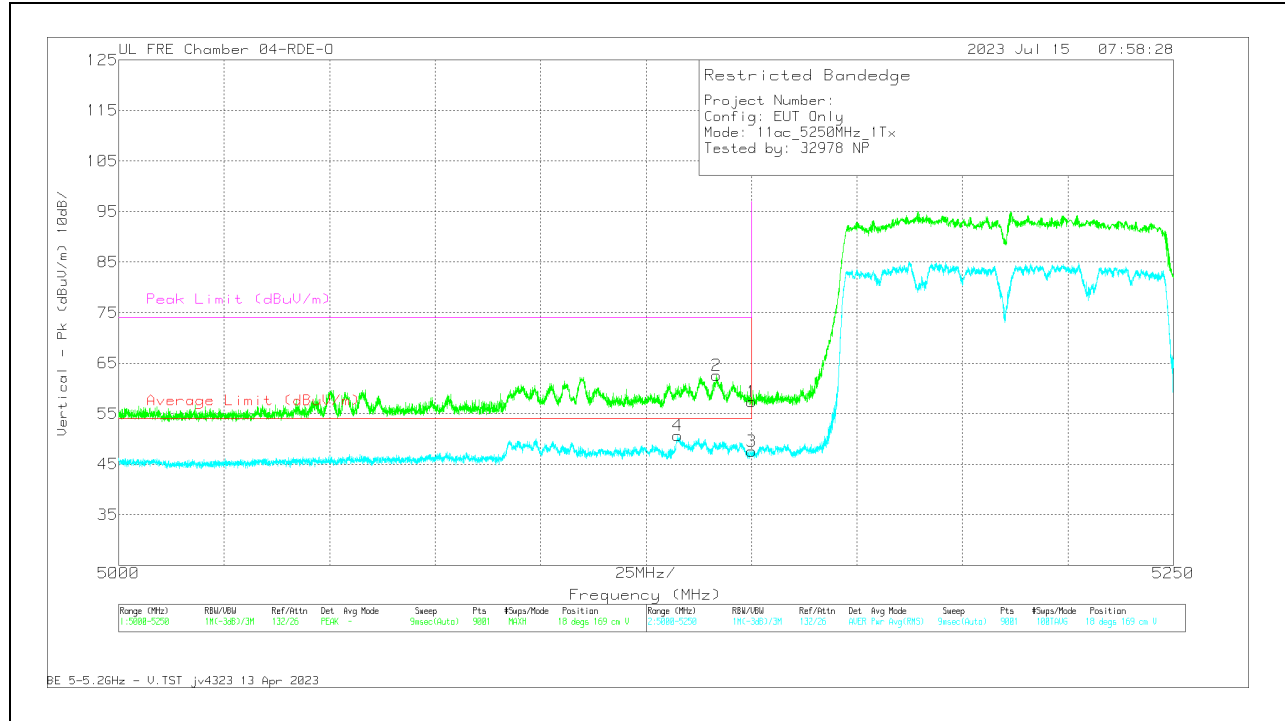
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBu/m)	Det	80404_ACF(dB) - Smith	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5138.06	69.05	Pk	34.4	0	-35.82	67.63	-	-	74	-6.37	299	249	H
4	5142.58	50.86	RMS	34.4	1.42	-35.82	50.86	54	-3.14	-	-	299	249	H
1	5150	63.42	Pk	34.4	0	-35.79	62.03	-	-	74	-11.97	299	249	H
3	5150	47.77	RMS	34.4	1.42	-35.79	47.8	54	-6.2	-	-	299	249	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



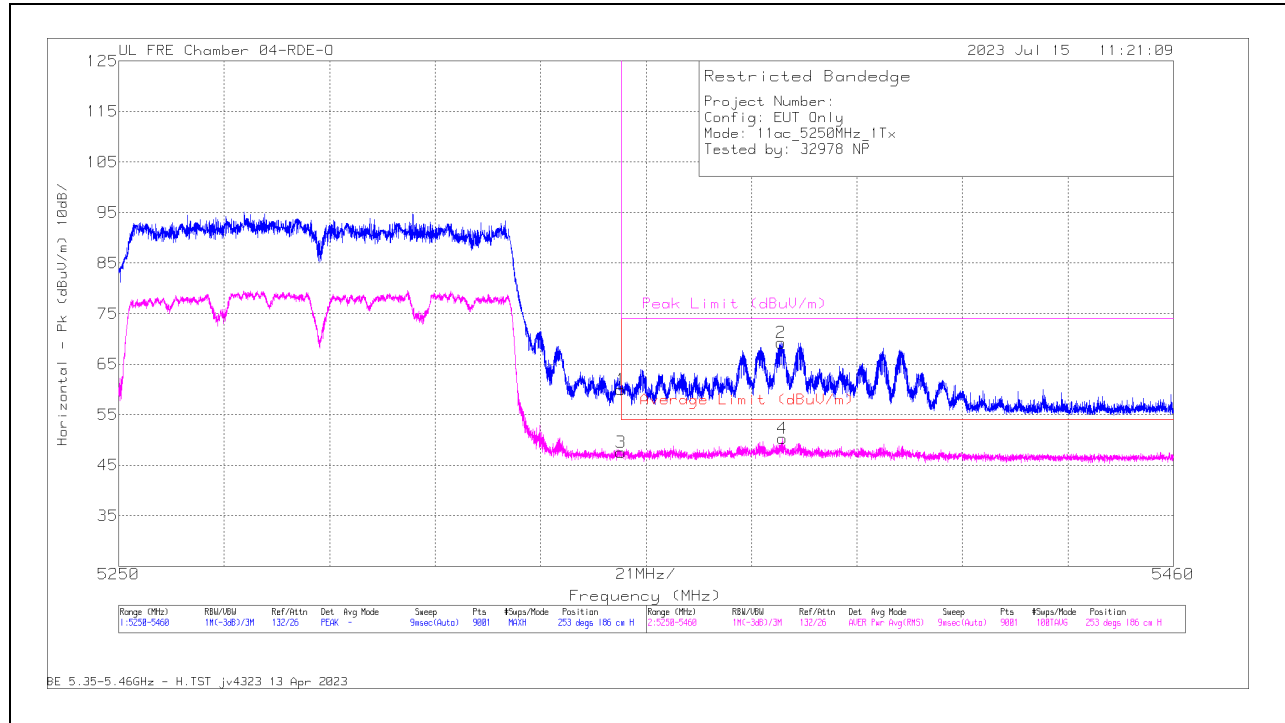
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBu)	Det	80404_ACF(dB) - 3mH	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5132.47	50.74	RMS	34.3	1.42	-35.82	50.64	54	-3.36	-	-	18	169	V
2	5141.64	63.94	Pk	34.4	0	-35.81	62.53	-	-	74	-11.47	18	169	V
1	5150	58.76	Pk	34.4	0	-35.79	57.37	-	-	74	-16.63	18	169	V
3	5150	47.6	RMS	34.4	1.42	-35.79	47.63	54	-6.37	-	-	18	169	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (MID CHANNEL HIGH EDGE)

HORIZONTAL RESULT

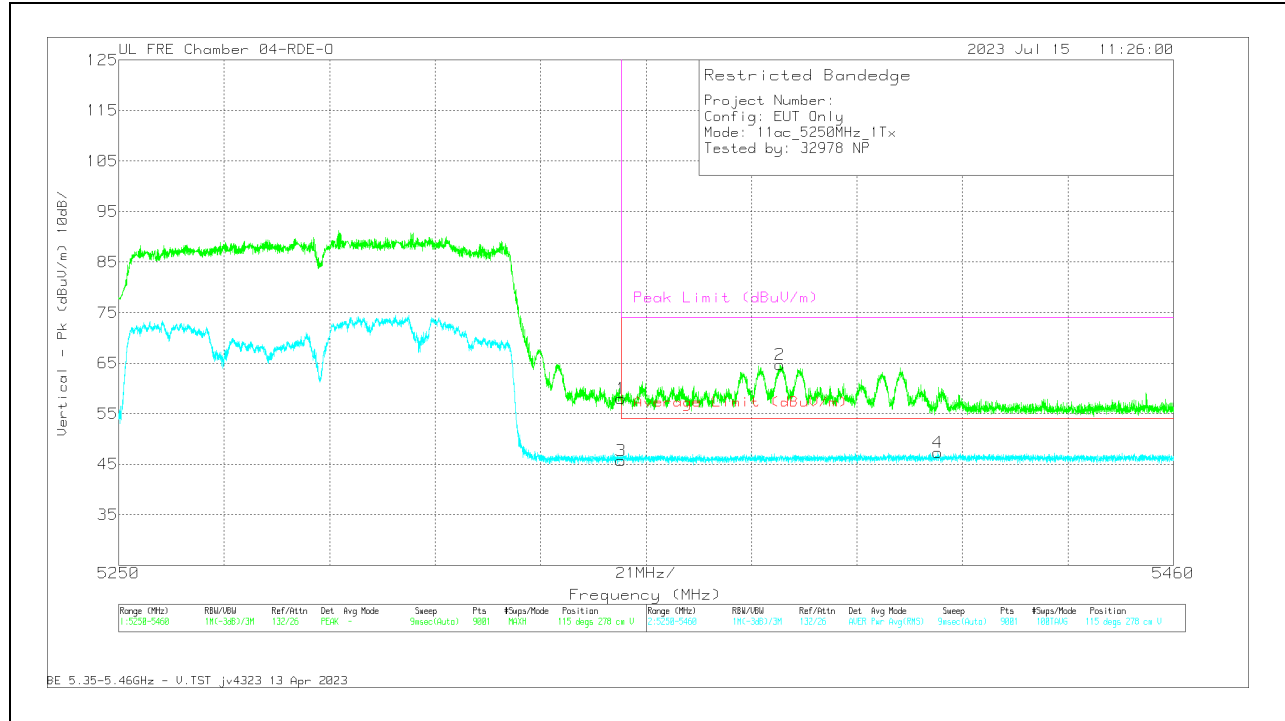


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	8040L_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	5350	60.56	Pk	34.6	0	-35.17	59.99	-	-	74	-14.01	253	186	H
3	5350	46.71	RMS	34.6	1.42	-35.17	47.96	54	-6.44	-	-	253	186	H
2	5381.9	69.69	Pk	34.7	0	-35.16	69.23	-	-	74	-4.77	253	186	H
4	5382.18	49.33	RMS	34.7	1.42	-35.16	50.29	54	-3.71	-	-	253	186	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

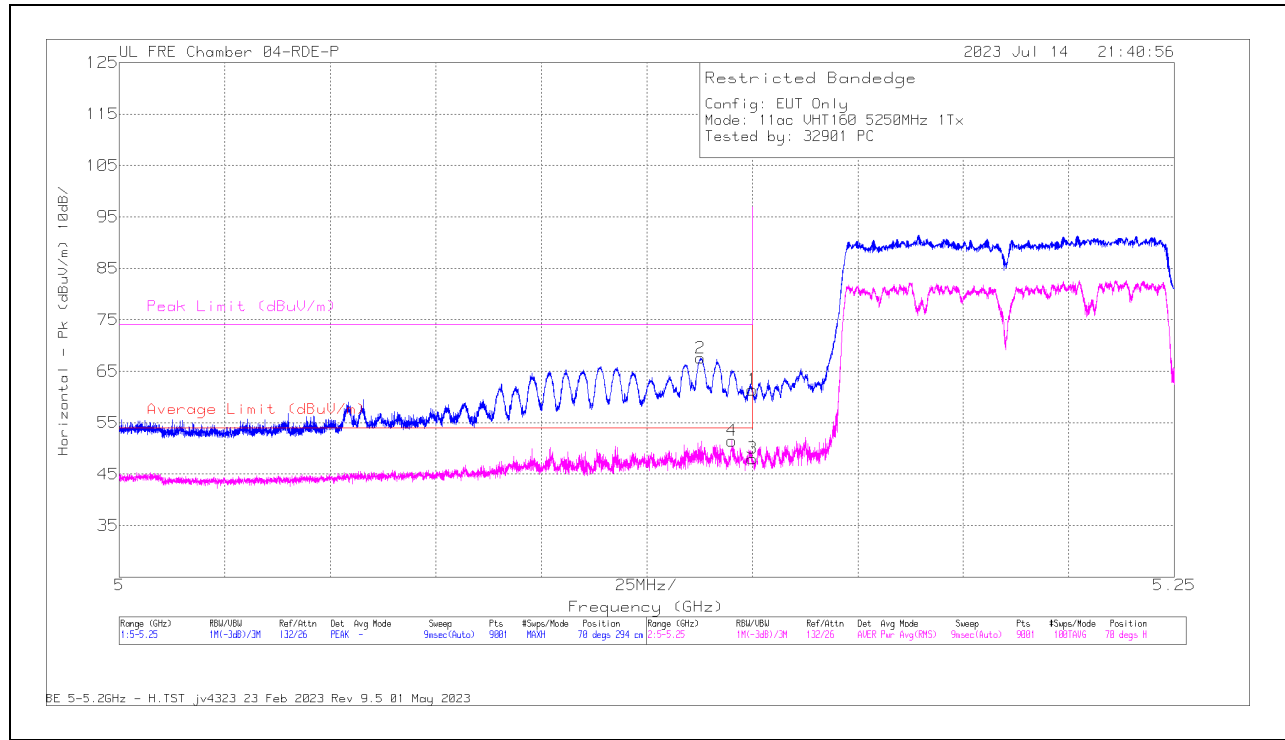
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB) - 3mH	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5350	58.52	Pk	34.6	0	-35.17	57.95	-	-	74	-16.05	115	278	V
3	5350	44.84	RMS	34.6	1.42	-35.17	45.69	54	-8.31	-	-	115	278	V
2	5381.67	65.27	Pk	34.6	0	-35.16	64.71	-	-	74	-8.29	115	278	V
4	5413.1	46.17	RMS	34.8	1.42	-35.09	47.3	54	-6.7	-	-	115	278	V

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5

BANDEDGE (MID CHANNEL, LOW EDGE)

HORIZONTAL RESULT

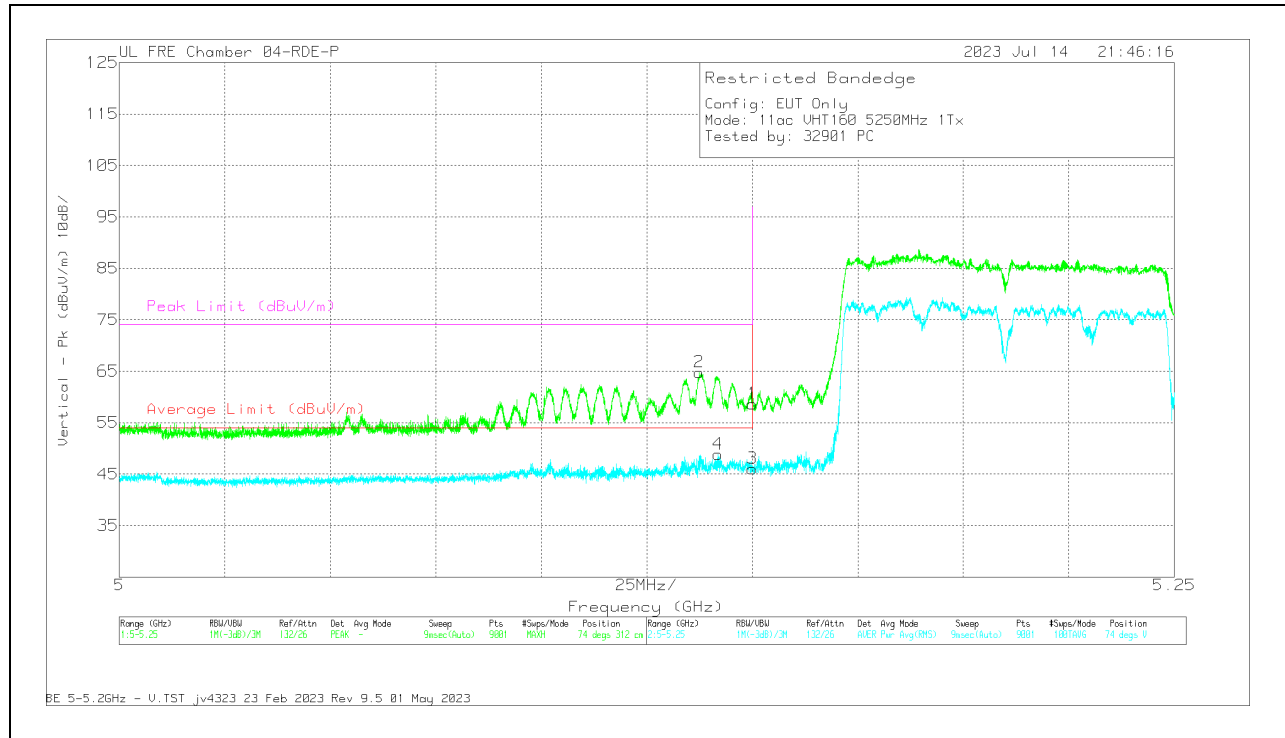


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	222740 ACF(dB) - 3mri	DOCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	65.8	PK	34.1	0	-38.51	61.39	-	-	74	-12.61	70	294	H
2	* 5.137751	72	PK	34	0	-38.46	67.54	-	-	74	-6.46	70	294	H
3	* 5.15	51.02	RMS	34.1	1.42	-38.51	48.03	54	-5.97	-	-	70	294	H
4	* 5.14914	54.51	RMS	34.1	1.42	-38.54	51.49	54	-2.51	-	-	70	294	H

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

VERTICAL RESULT



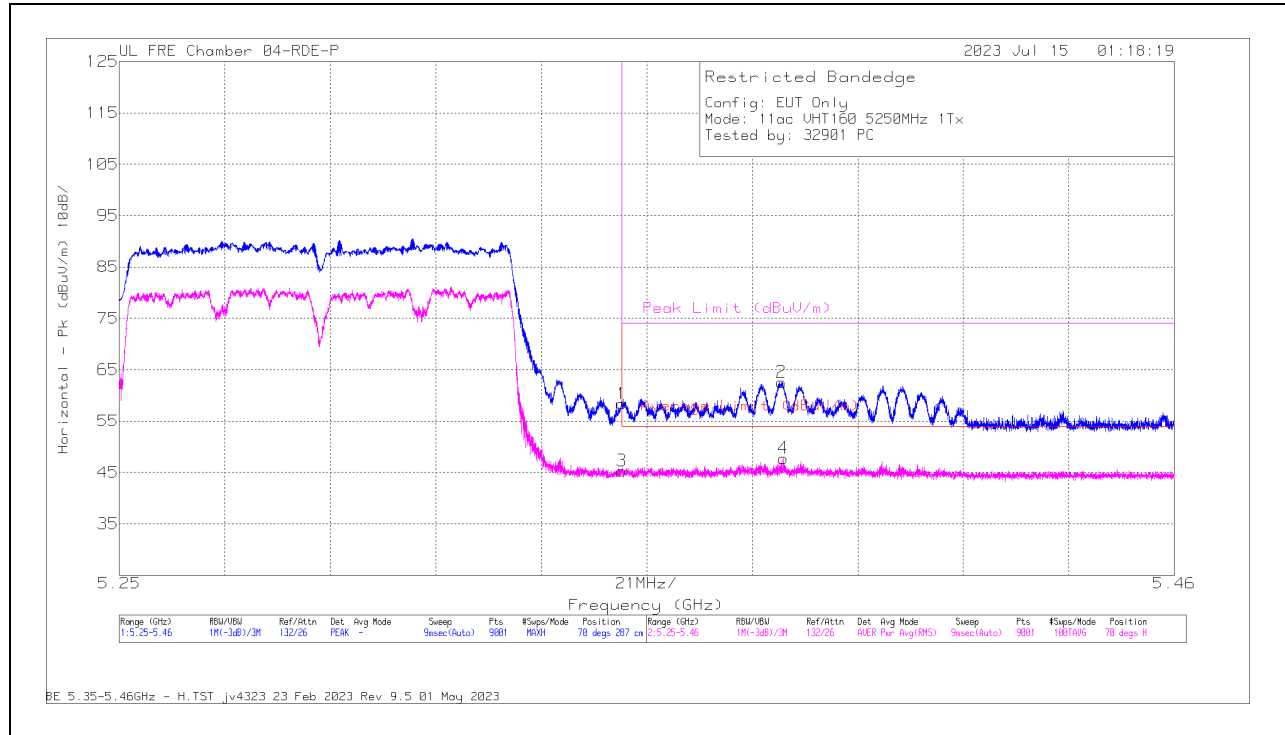
Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	22740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	63.08	PK	34.1	0	-38.51	58.67	-	-	74	-15.33	74	312	V
2	* 5.13739	69.24	PK	34	0	-38.45	64.79	-	-	74	-9.21	74	312	V
3	* 5.15	49.06	RMS	34.1	1.42	-38.51	46.07	54	-7.93	-	-	74	312	V
4	* 5.141918	51.86	RMS	34.1	1.42	-38.51	48.87	54	-5.13	-	-	74	312	V

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

BANDEDGE (MID CHANNEL, HIGH EDGE)

HORIZONTAL RESULT

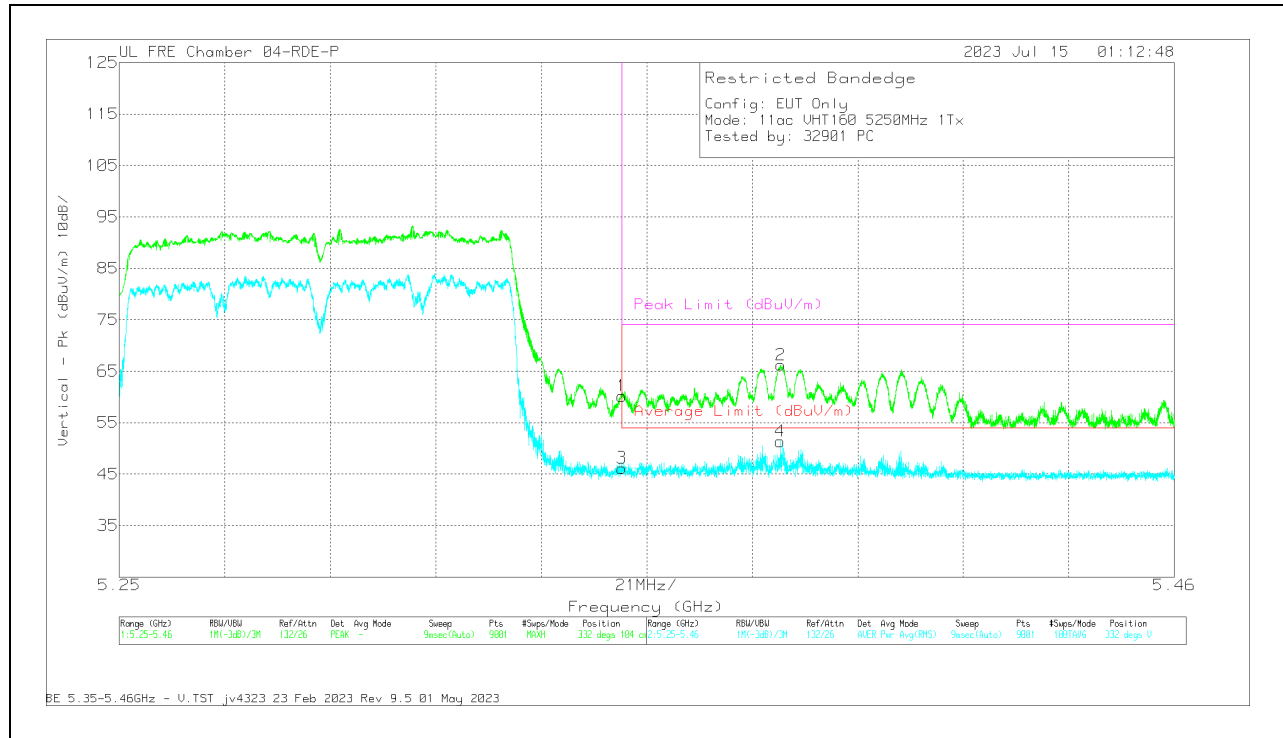


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	222740 ACF(dB) - 3mH	DOCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	62.15	PK	34.4	0	-38.18	58.37	-	-	74	-15.63	70	287	H
2	* 5.381761	66.25	PK	34.4	0	-38.07	62.58	-	-	74	-11.42	70	287	H
3	* 5.35	47.66	RMS	34.4	1.42	-38.18	45.3	54	-8.7	-	-	70	287	H
4	* 5.382135	50	RMS	34.4	1.42	-38.08	47.74	54	-6.26	-	-	70	287	H

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

VERTICAL RESULT



Trace Markers

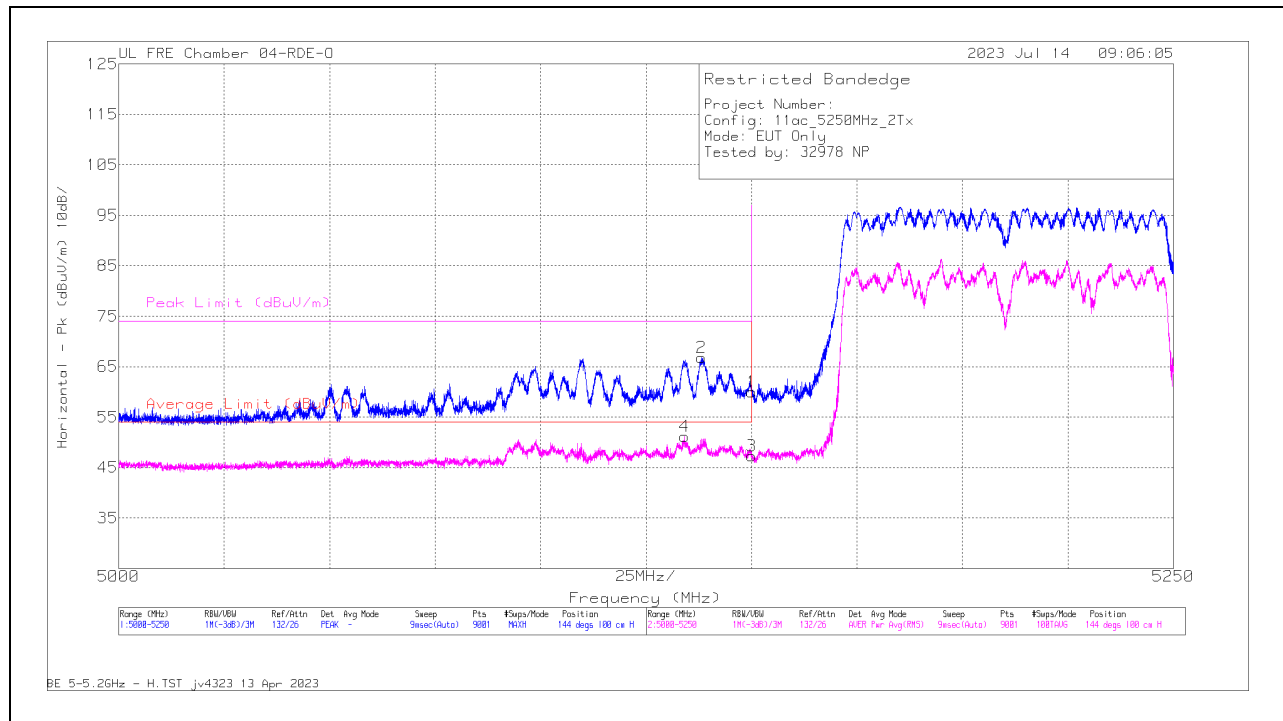
Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	63.93	PK	34.4	0	-38.18	60.15	-	-	74	-13.85	332	104	V
2	* 5.381691	69.84	PK	34.4	0	-38.06	66.18	-	-	74	-7.82	332	104	V
3	* 5.35	48.54	RMS	34.4	1.42	-38.18	46.18	54	-7.82	-	-	332	104	V
4	* 5.381575	53.6	RMS	34.4	1.42	-38.06	51.36	54	-2.64	-	-	332	104	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, LOW EDGE)

HORIZONTAL RESULT

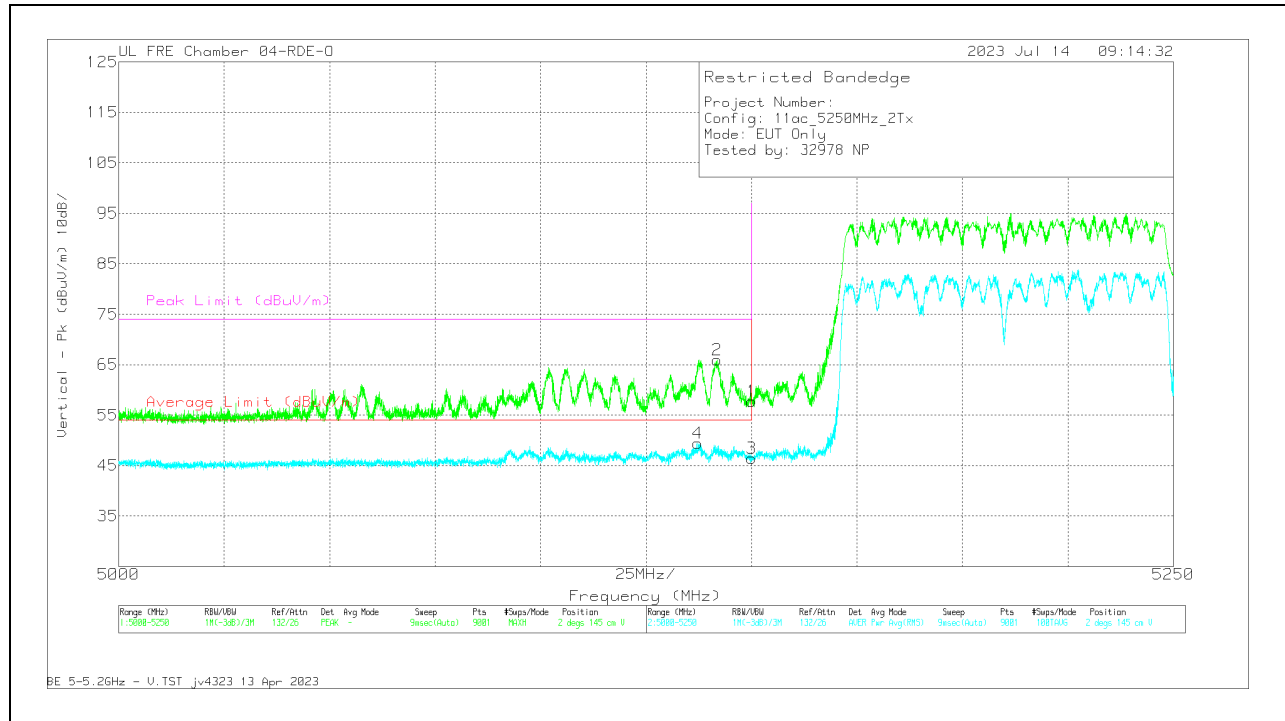


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB) - 3mH	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5134.168	51.19	RMS	34.4	1.42	-35.85	51.16	54	-2.84	-	-	144	100	H
2	5138.084	68.23	PK	34.4	0	-35.82	66.81	-	-	74	-7.19	144	100	H
1	5150	61.41	PK	34.4	0	-35.79	60.02	-	-	74	-13.98	144	100	H
3	5150	47.31	RMS	34.4	1.42	-35.79	47.34	54	-6.66	-	-	144	100	H

PK - Peak detector
RMS - RMS detection

VERTICAL RESULT



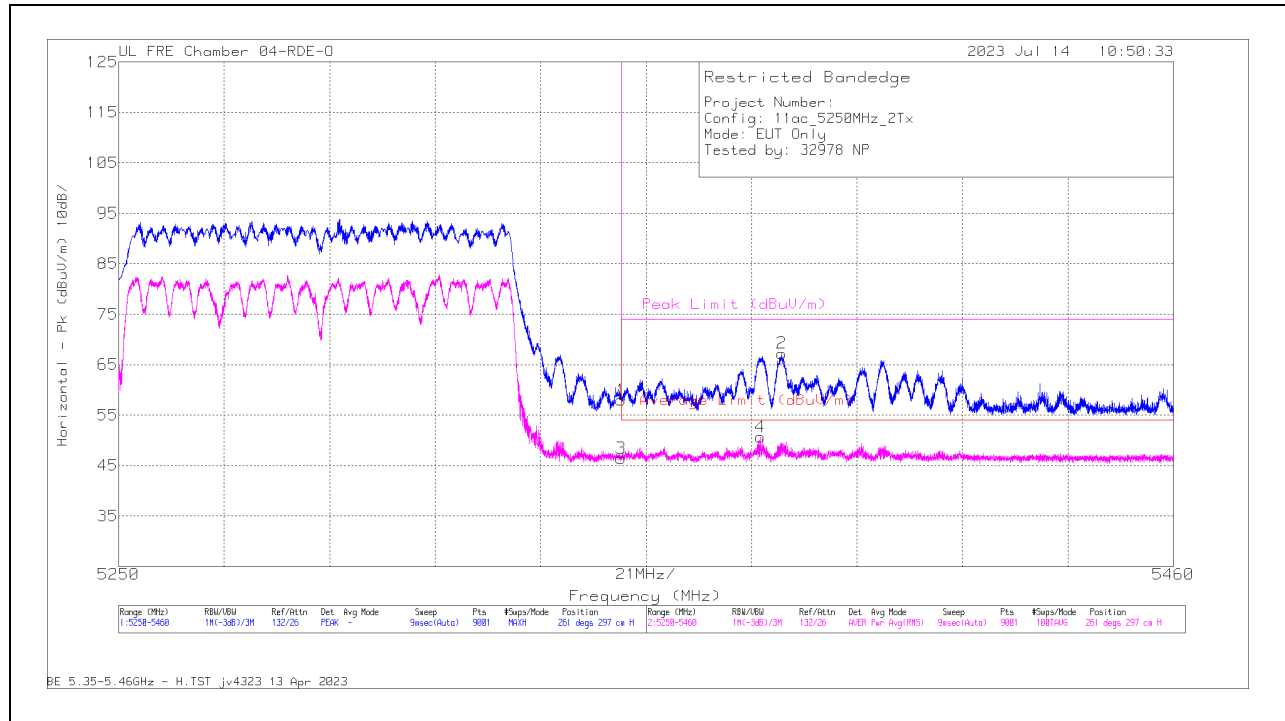
Trace Markers

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	5137.307	49.47	RMS	34.4	1.42	-35.83	49.46	54	-4.54	-	-	2	145	V
2	5141.862	67.32	PK	34.4	0	-35.81	65.91	-	-	74	-8.09	2	145	V
1	5150	59.15	PK	34.4	0	-35.79	57.76	-	-	74	-16.24	2	145	V
3	5150	46.45	RMS	34.4	1.42	-35.79	46.48	54	-7.52	-	-	2	145	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (MID CHANNEL HIGH EDGE)

HORIZONTAL RESULT

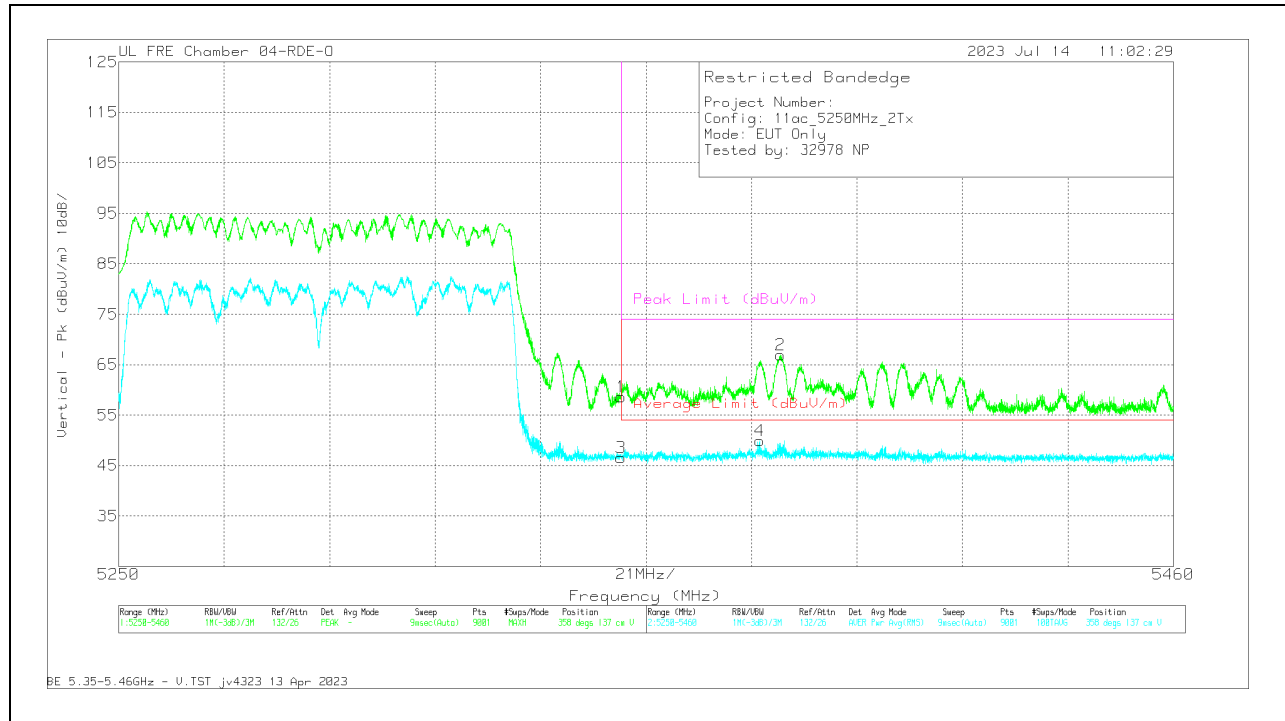


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5350	58.6	PK	34.6	0	-35.17	58.03	-	-	74	-15.97	261	297	H
3	5350	45.61	RMS	34.6	1.42	-35.17	46.46	54	-7.54	-	-	261	297	H
4	5377.772	49.91	RMS	34.5	1.42	-35.15	50.68	54	-3.32	-	-	261	297	H
2	5382.041	67.7	PK	34.7	0	-35.16	67.24	-	-	74	-6.76	261	297	H

PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT



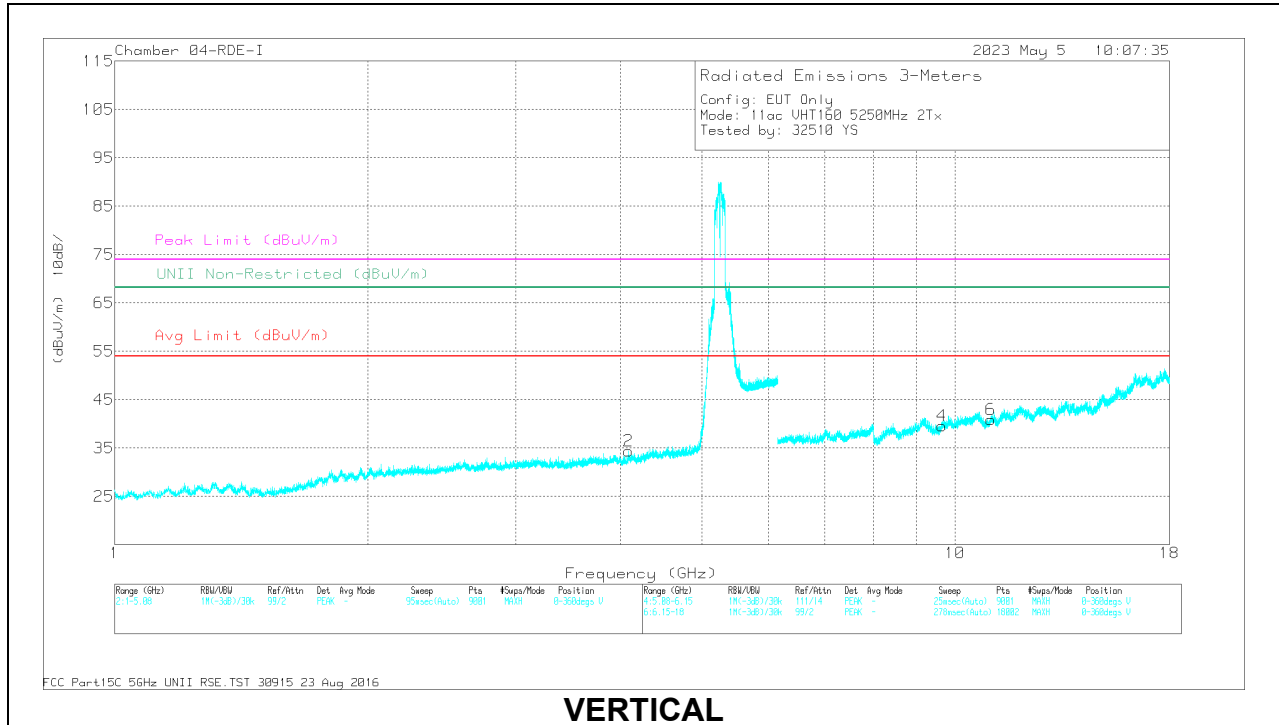
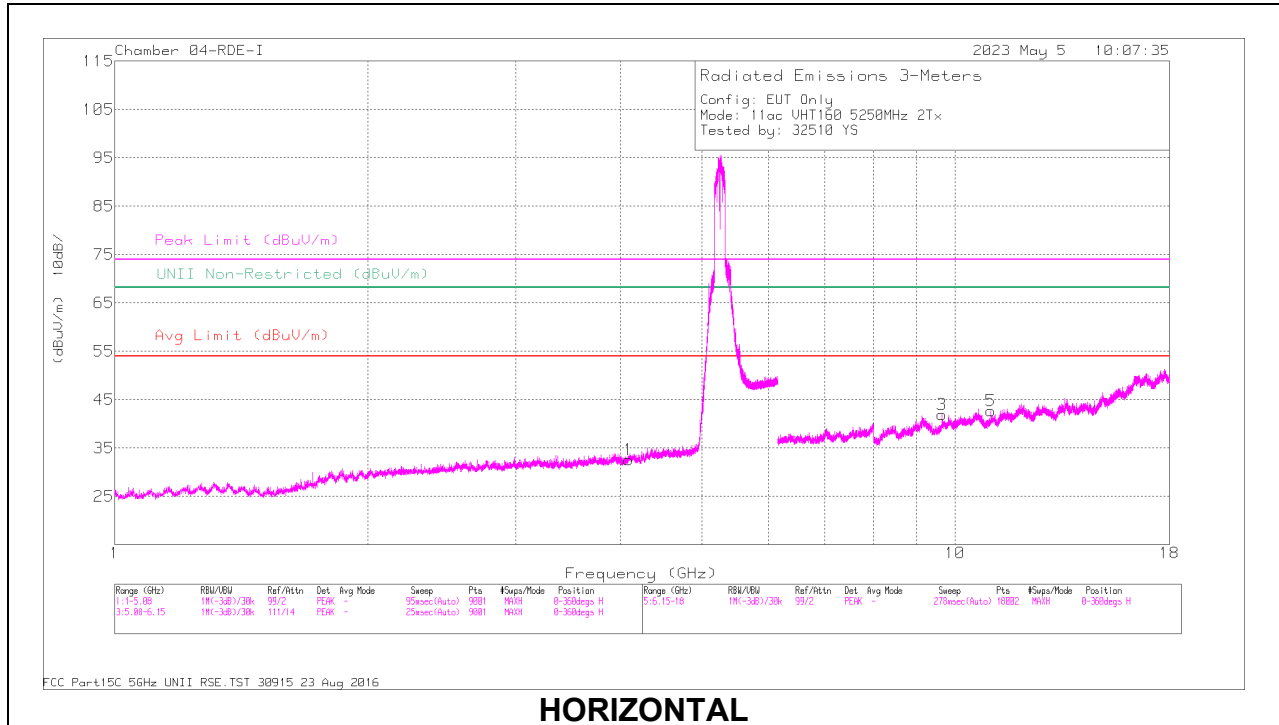
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB) - 3mH	DCCC (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	5350	59.21	PK	34.6	0	-35.17	58.64	-	-	74	-15.36	358	137	V
3	5350	45.69	RMS	34.6	1.42	-35.17	46.54	54	-7.46	-	-	358	137	V
4	5377.608	49.05	RMS	34.6	1.42	-35.15	49.92	54	-4.08	-	-	358	137	V
2	5381.715	67.47	PK	34.6	0	-35.16	66.91	-	-	74	-7.09	358	137	V

PK - Peak detector
RMS - RMS detection

1.1.23. 5.3GHz Band, VHT160 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Chl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Arg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.084793	38.66	PK-U	33.4	-28.4	0	43.66	-	-	74	-30.34	-	-	175	238	H
1	* 4.087344	26.69	ADR	33.4	-28.4	0.33	32.01	54	-21.99	-	-	-	-	175	238	H
2	* 4.085917	38.32	PK-U	33.4	-28.4	0	43.32	-	-	74	-30.68	-	-	253	146	V
2	* 4.087369	26.75	ADR	33.4	-28.4	0.33	32.08	54	-21.92	-	-	-	-	253	146	V
3	9.654805	32.21	PK-U	36.6	-18.3	0	50.51	-	-	-	-	68.2	-17.69	327	293	H
5	* 11.037016	31.93	PK-U	37.6	-18.3	0	51.23	-	-	74	-22.77	-	-	306	221	H
5	* 11.038073	20.37	ADR	37.6	-18.2	0.33	40.1	54	-13.9	-	-	-	-	306	221	H
4	9.658216	32.2	PK-U	36.6	-18.2	0	50.6	-	-	-	-	68.2	-17.6	256	316	V
6	* 11.03716	31.77	PK-U	37.6	-18.3	0	51.07	-	-	74	-22.93	-	-	153	185	V
6	* 11.035905	20.35	ADR	37.6	-18.2	0.33	40.08	54	-13.92	-	-	-	-	153	185	V

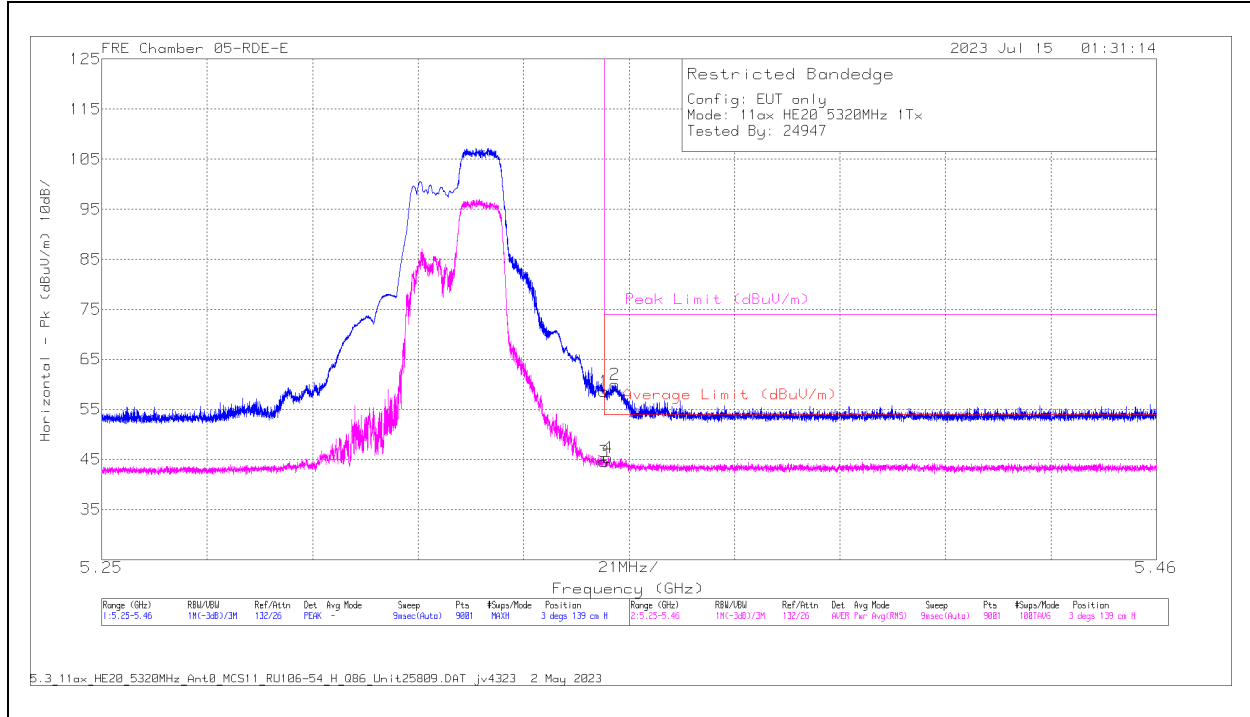
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6 MODE: 106-Tones, RU Index 54

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuVm)	Average Limit (dBuVm)	Margin (dB)	Peak Limit (dBuVm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	62.59	Pk	34.7	0	-38.67	58.62	-	-	74	-15.38	3	139	H
3	5.35	48.17	RMS	34.7	0.56	-38.67	44.76	54	-9.24	-	-	3	139	H
4	5.35078	48.97	RMS	34.7	0.56	-38.67	45.56	54	-8.44	-	-	3	139	H
2	5.35218	63.67	PK	34.7	0	-38.65	59.92	-	-	74	-14.08	3	139	H

Pk - Peak detector
RMS - RMS detection