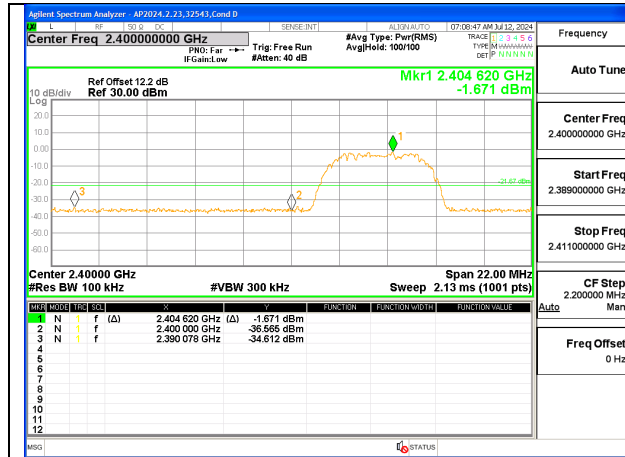
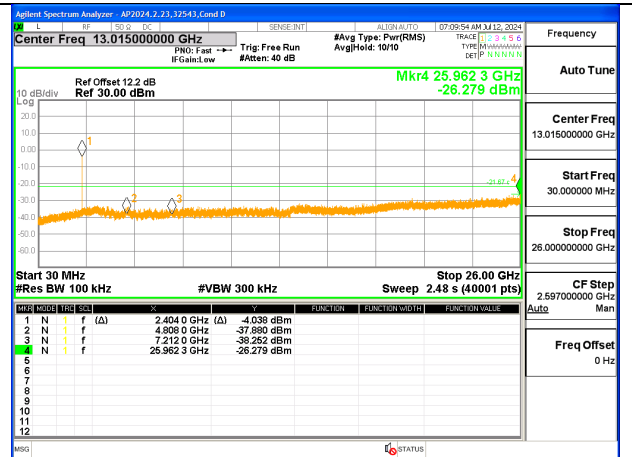


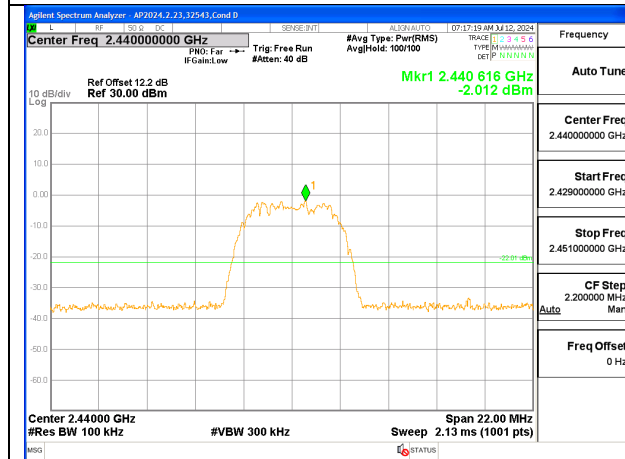
ANT 3



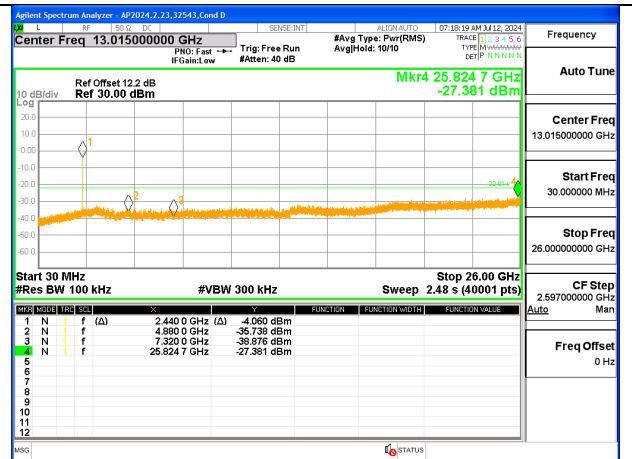
LOW CHANNEL BANDEDGE



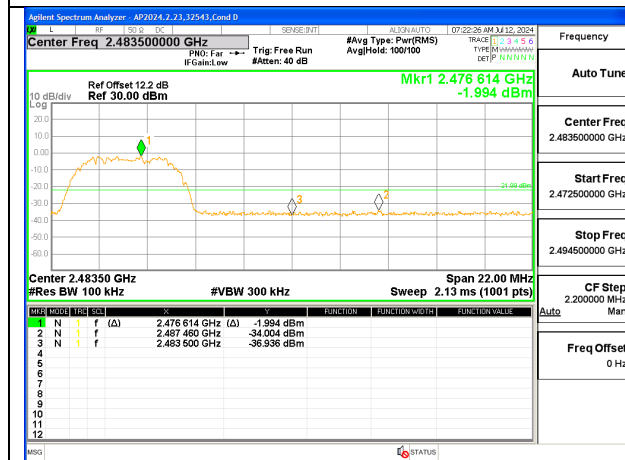
OUT-OF-BAND LOW CHANNEL



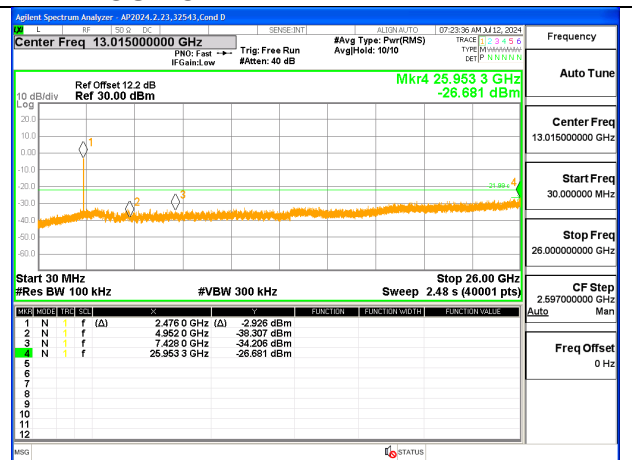
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



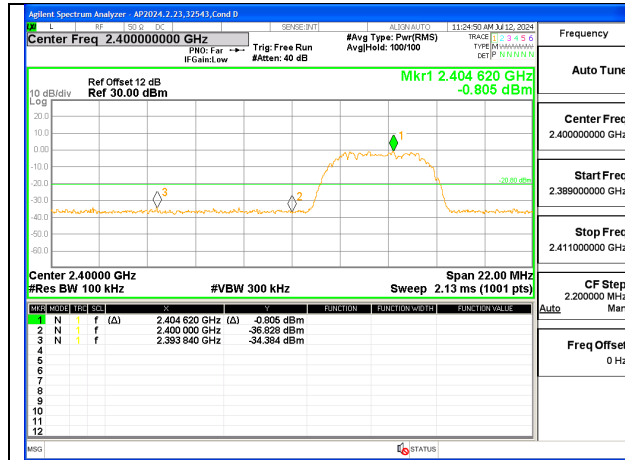
HIGH CHANNEL BANDEDGE



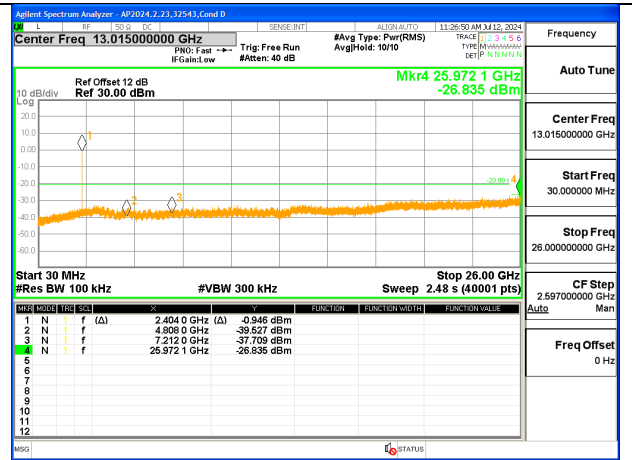
OUT-OF-BAND HIGH CHANNEL

9.7.8. LOW POWER HDR TXBF (HDR8)

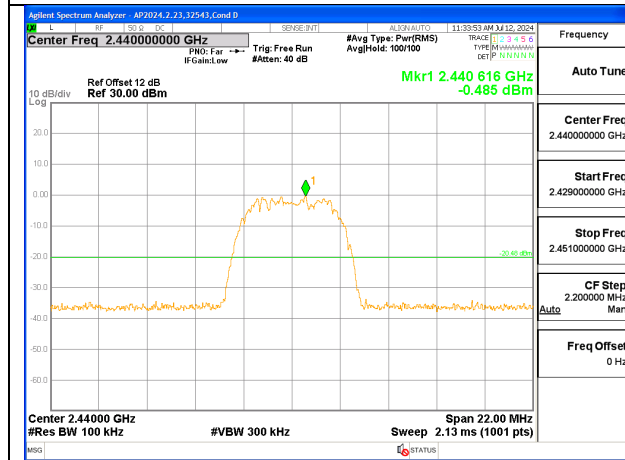
ANT 4



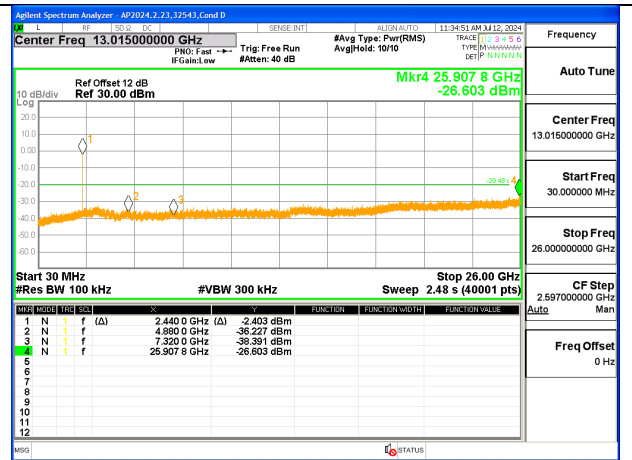
LOW CHANNEL BANDEDGE ANT 4



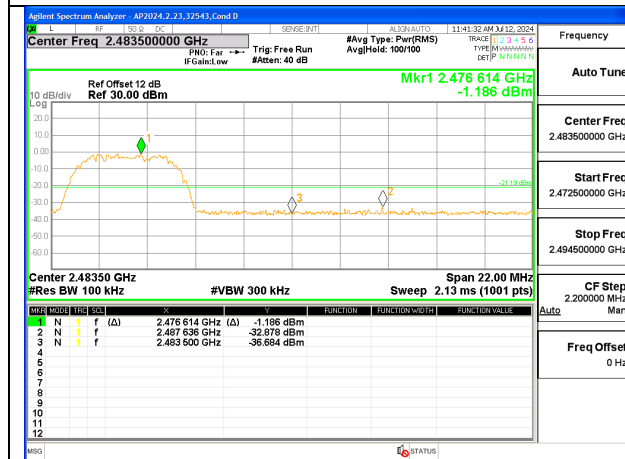
OUT-OF-BAND LOW CHANNEL ANT 4



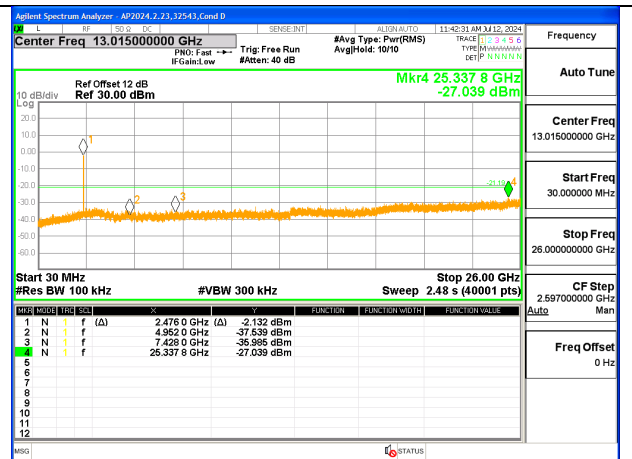
IN-BAND REFERENCE LEVEL ANT 4



OUT-OF-BAND MID CHANNEL ANT 4

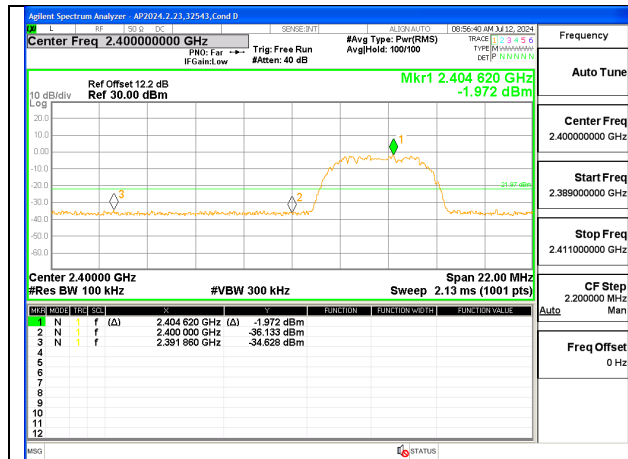


HIGH CHANNEL BANDEDGE ANT 4

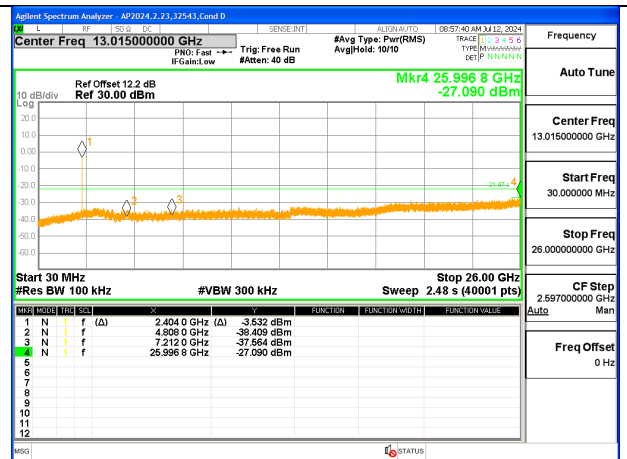


OUT-OF-BAND HIGH CHANNEL ANT 4

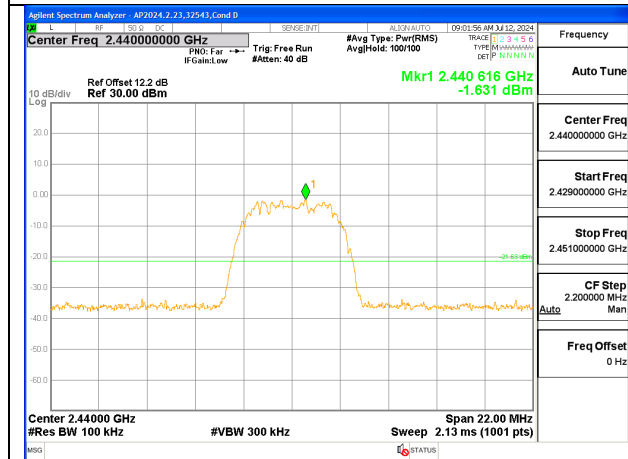
ANT 3



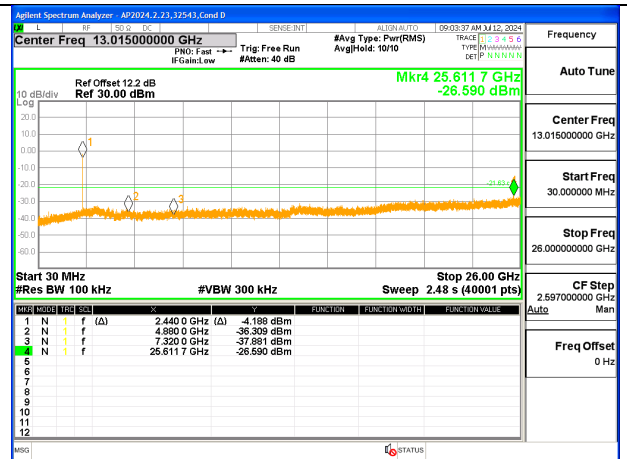
LOW CHANNEL BANDEDGE ANT 3



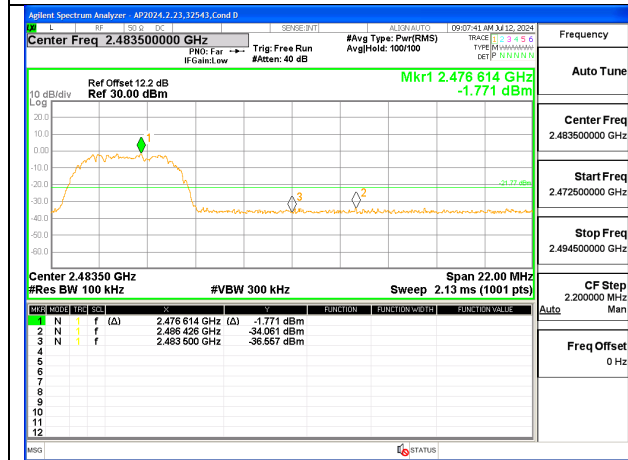
OUT-OF-BAND LOW CHANNEL ANT 3



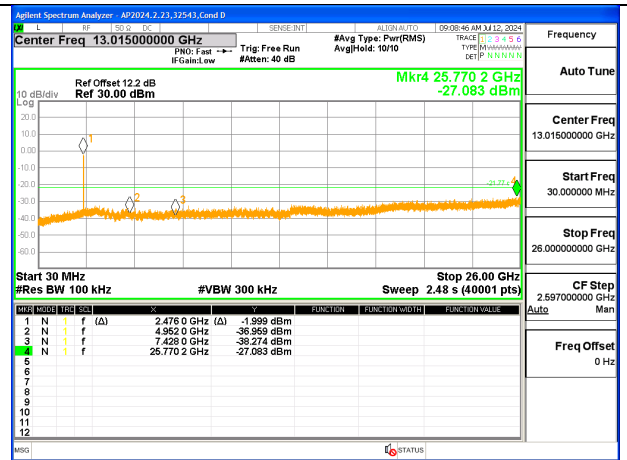
IN-BAND REFERENCE LEVEL ANT 3



OUT-OF-BAND MID CHANNEL ANT 3



HIGH CHANNEL BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL ANT 3

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209
RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
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; 1.5 m 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. Peak detection is used unless otherwise noted as quasi-peak.

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 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only. Blue color trace on plots: Parallel orientation. Green color trace on plots: Perpendicular orientation.

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.

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.

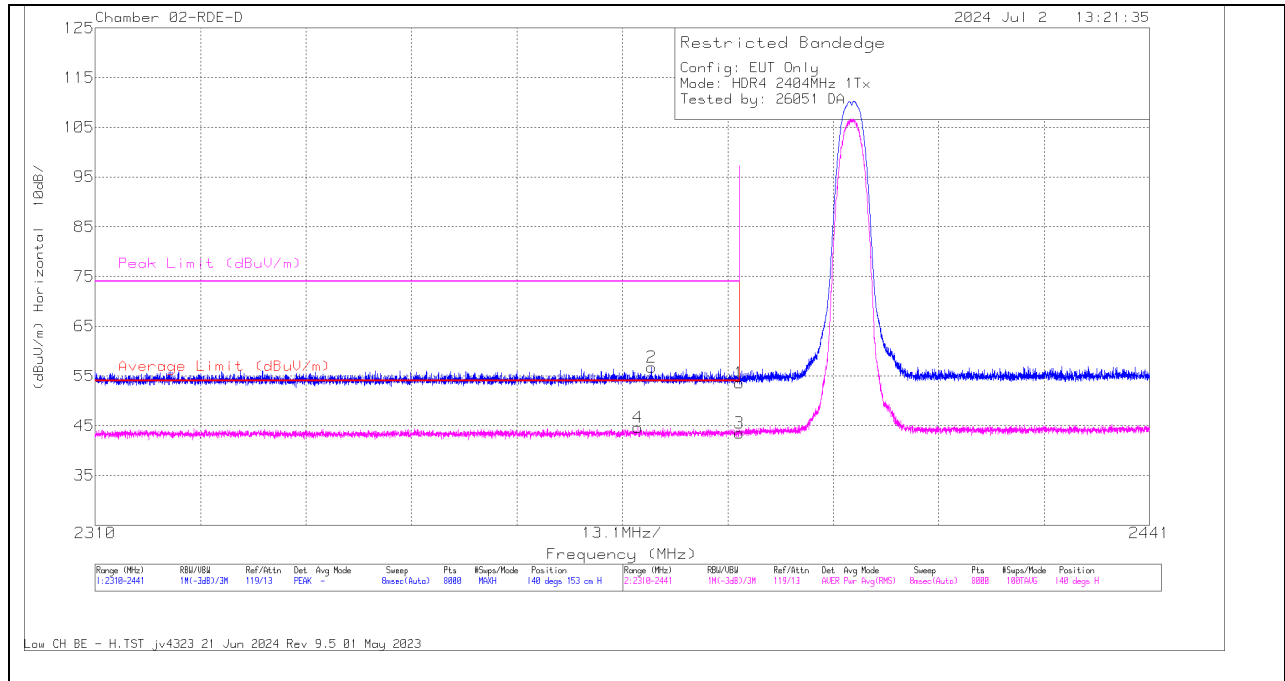
10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. HIGH POWER HDR (HDR4)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



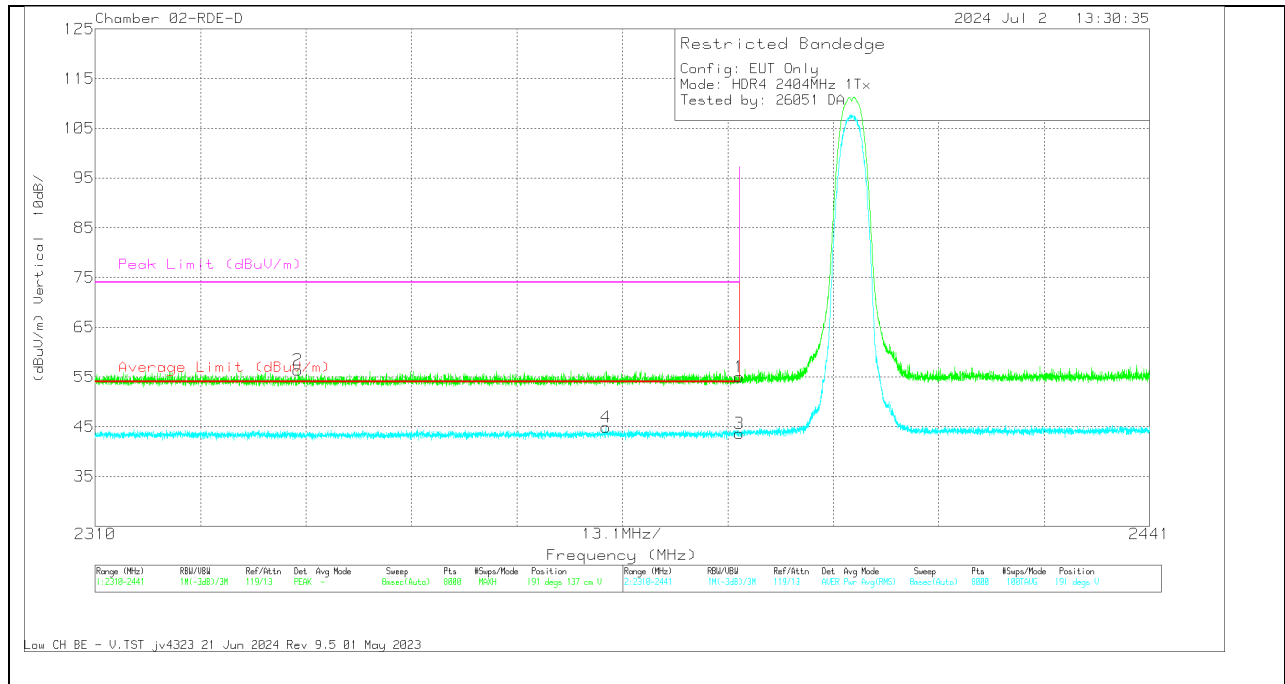
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	40.99	PK	32.2	-19.6	53.59	-	-	74	-20.41	140	153	H
2	* 2379.111	44.23	PK	32.2	-19.7	56.73	-	-	74	-17.27	140	153	H
3	* 2390	30.88	RMS	32.2	-19.6	43.48	54	-10.52	-	-	140	153	H
4	* 2377.424	32.12	RMS	32.2	-19.7	44.62	54	-9.38	-	-	140	153	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.38	Pk	32.2	-19.6	54.98	-	-	74	-19.02	191	137	V
2	* 2335.188	44.08	Pk	32	-19.7	56.38	-	-	74	-17.62	191	137	V
3	* 2390	31.08	RMS	32.2	-19.6	43.68	54	-10.32	-	-	191	137	V
4	* 2373.477	32.36	RMS	32.1	-19.6	44.86	54	-9.14	-	-	191	137	V

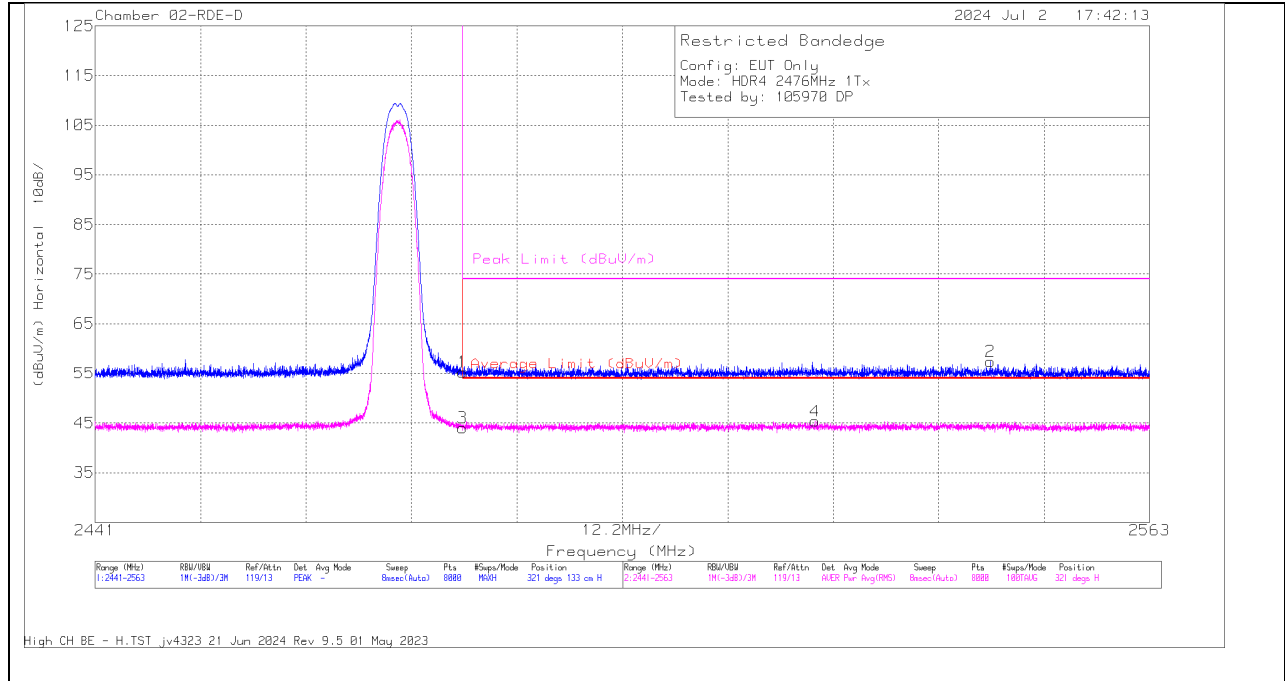
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



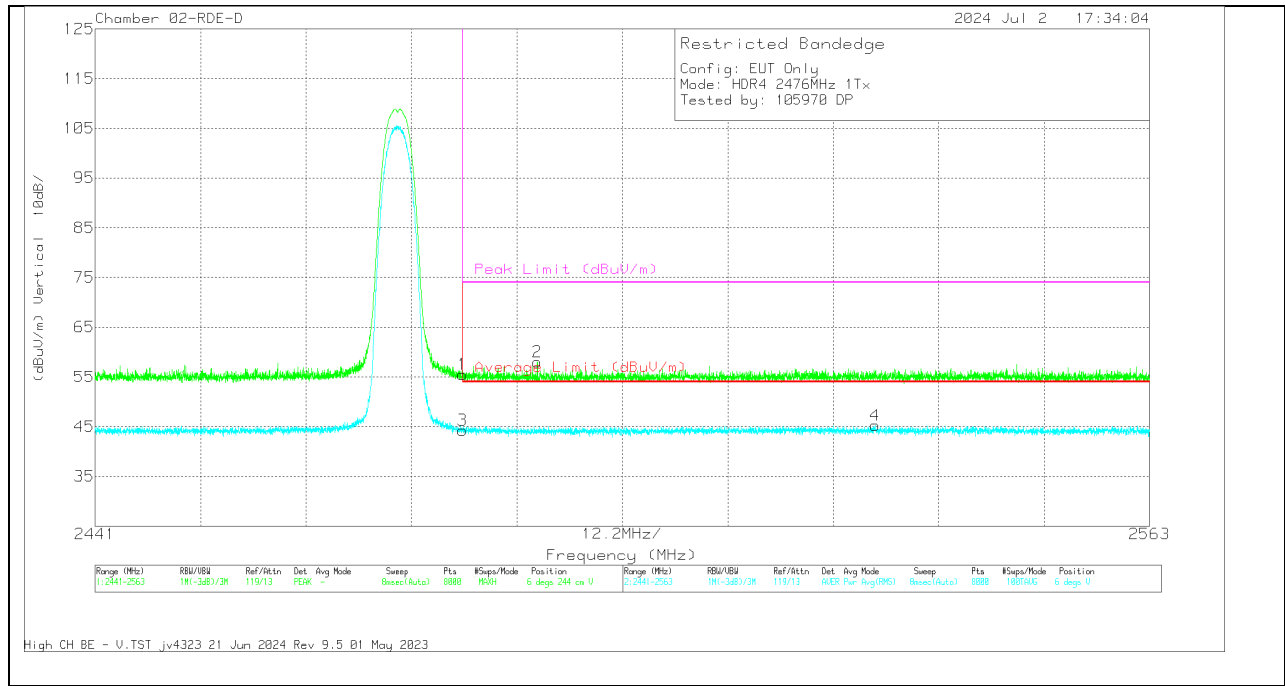
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.41	Pk	32.4	-19.6	55.21	-	-	74	-18.79	321	133	H
3	* 2483.5	31.25	RMS	32.4	-19.6	44.05	54	-9.95	-	-	321	133	H
4	2524.276	32.25	RMS	32.4	-19.3	45.35	54	-8.65	-	-	321	133	H
2	2544.607	44.33	Pk	32.4	-19.3	57.43	-	-	74	-16.57	321	133	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.75	Pk	32.4	-19.6	55.55	-	-	74	-18.45	6	244	V
2	* 2492.17	45.21	Pk	32.4	-19.6	58.01	-	-	74	-15.99	6	244	V
3	* 2483.5	31.43	RMS	32.4	-19.6	44.23	54	-9.77	-	-	6	244	V
4	2531.277	32.13	RMS	32.4	-19.3	45.23	54	-8.77	-	-	6	244	V

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

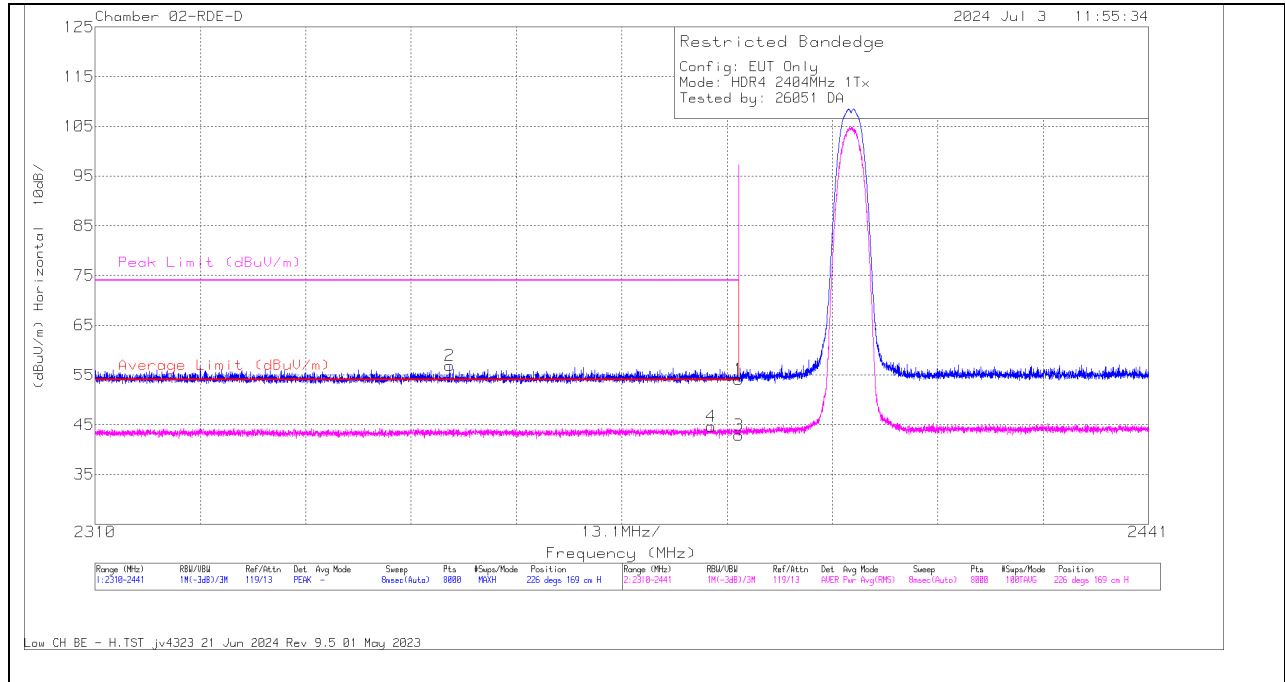
Pk - Peak detector

RMS - RMS detection

ANT 3

BANDEDGE (LOW CHANNEL)

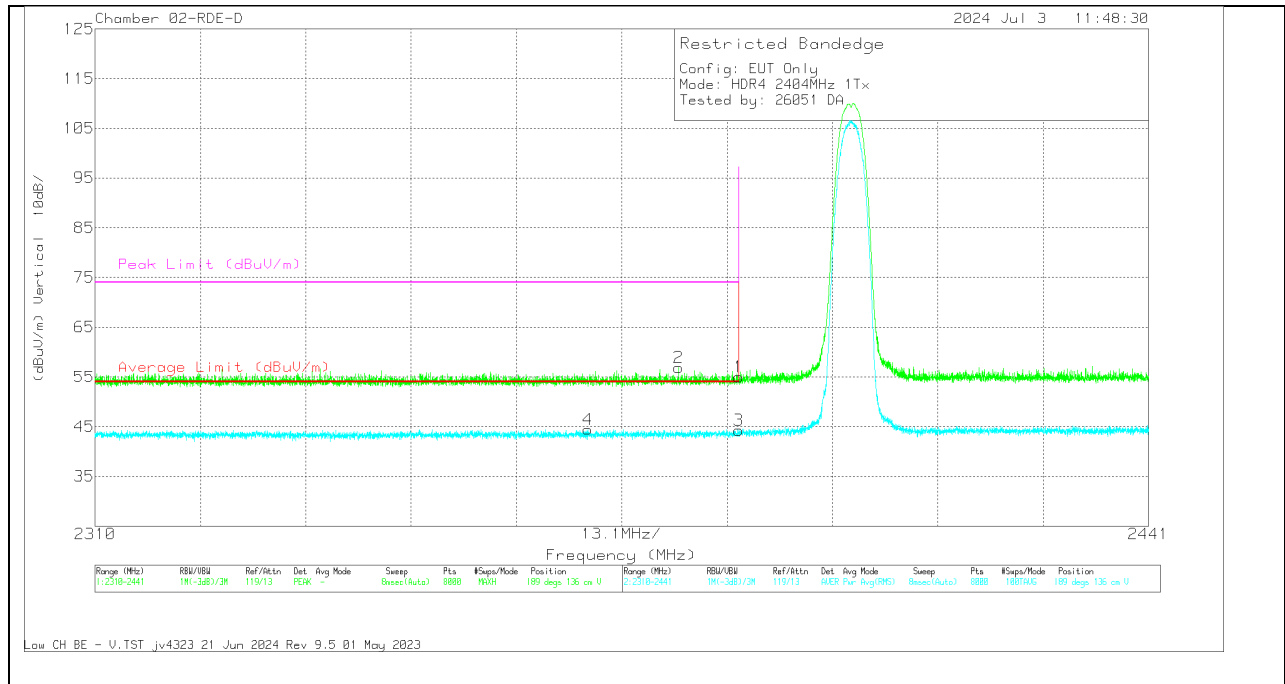
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.53	Pk	32.2	-19.6	54.13	-	-	74	-19.87	226	169	H
2	* 2354.12	44.54	Pk	32.1	-19.7	56.94	-	-	74	-17.06	226	169	H
3	* 2390	30.33	RMS	32.2	-19.6	42.93	54	-11.07	-	-	226	169	H
4	* 2386.612	32.17	RMS	32.2	-19.7	44.67	54	-9.33	-	-	226	169	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.37	PK	32.2	-19.6	54.97	-	-	74	-19.03	189	136	V
2	* 2382.55	44.42	PK	32.2	-19.7	56.92	-	-	74	-17.08	189	136	V
3	* 2390	31.64	RMS	32.2	-19.6	44.24	54	-9.76	-	-	189	136	V
4	* 2371.266	31.96	RMS	32.1	-19.6	44.46	54	-9.54	-	-	189	136	V

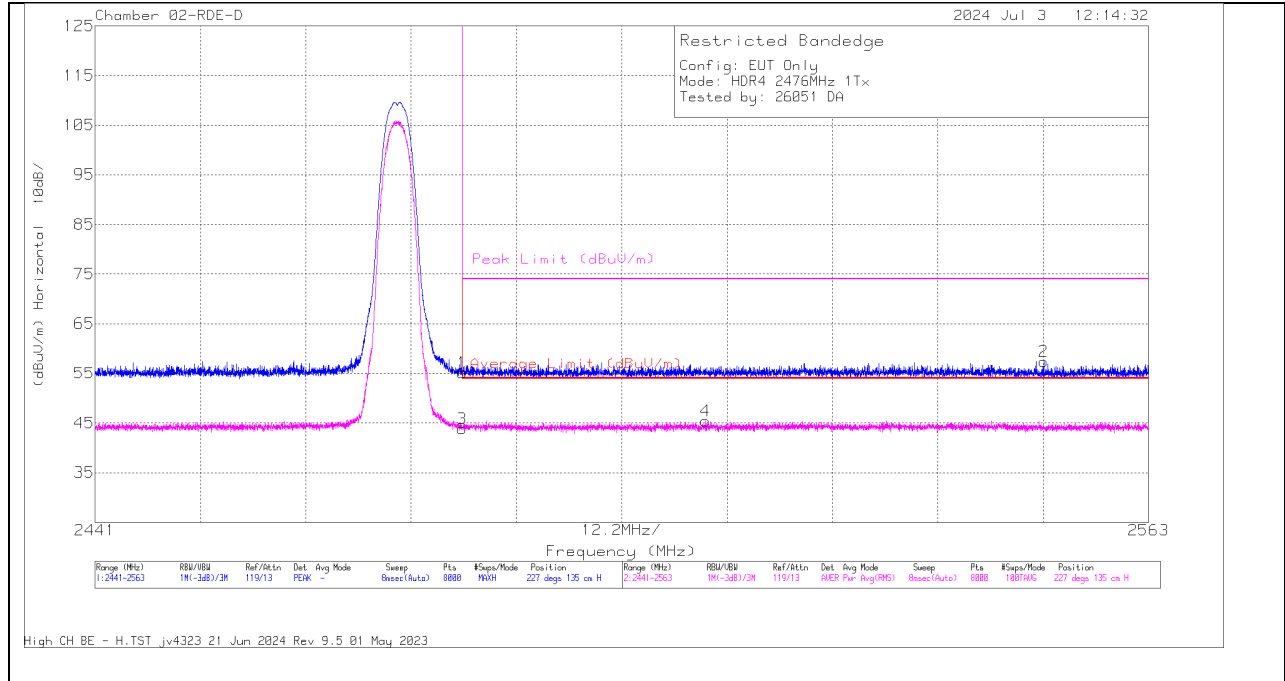
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



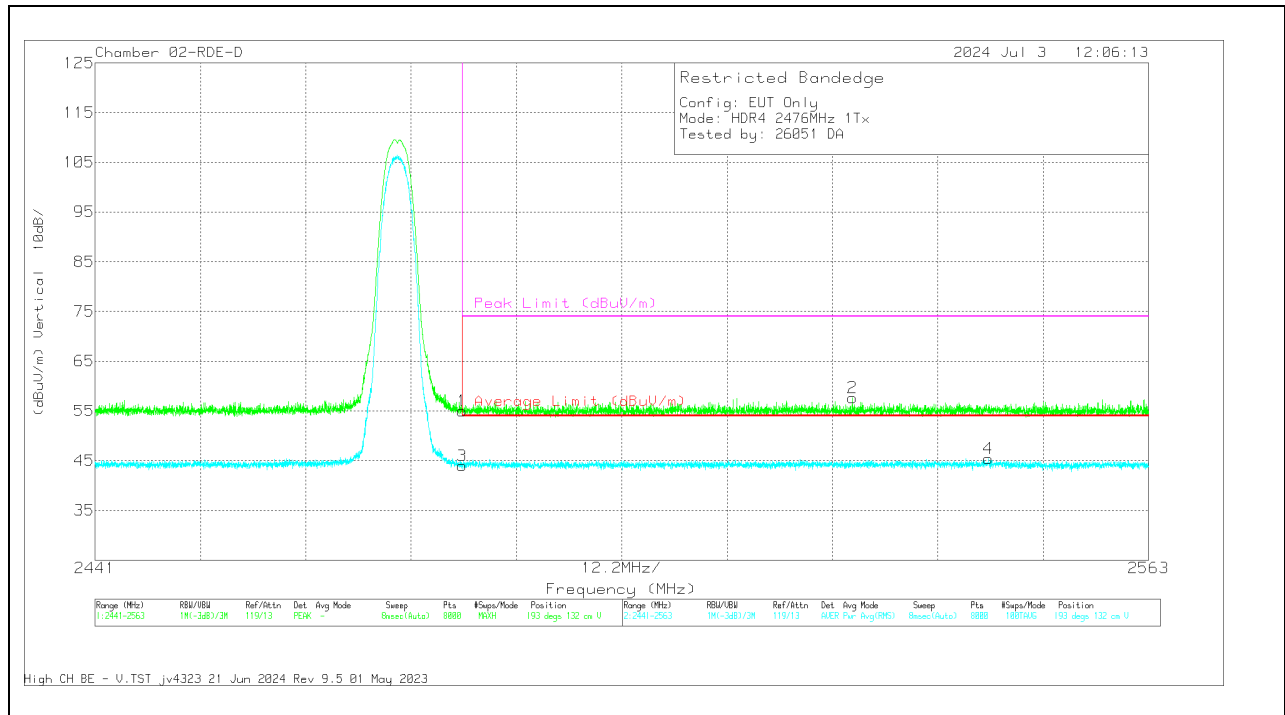
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.36	Pk	32.4	-19.6	55.16	-	-	74	-18.84	227	135	H
3	* 2483.5	31.04	RMS	32.4	-19.6	43.84	54	-10.16	-	-	227	135	H
4	2511.724	32.4	RMS	32.4	-19.4	45.4	54	-8.6	-	-	227	135	H
2	2550.86	44.54	Pk	32.3	-19.4	57.44	-	-	74	-16.56	227	135	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



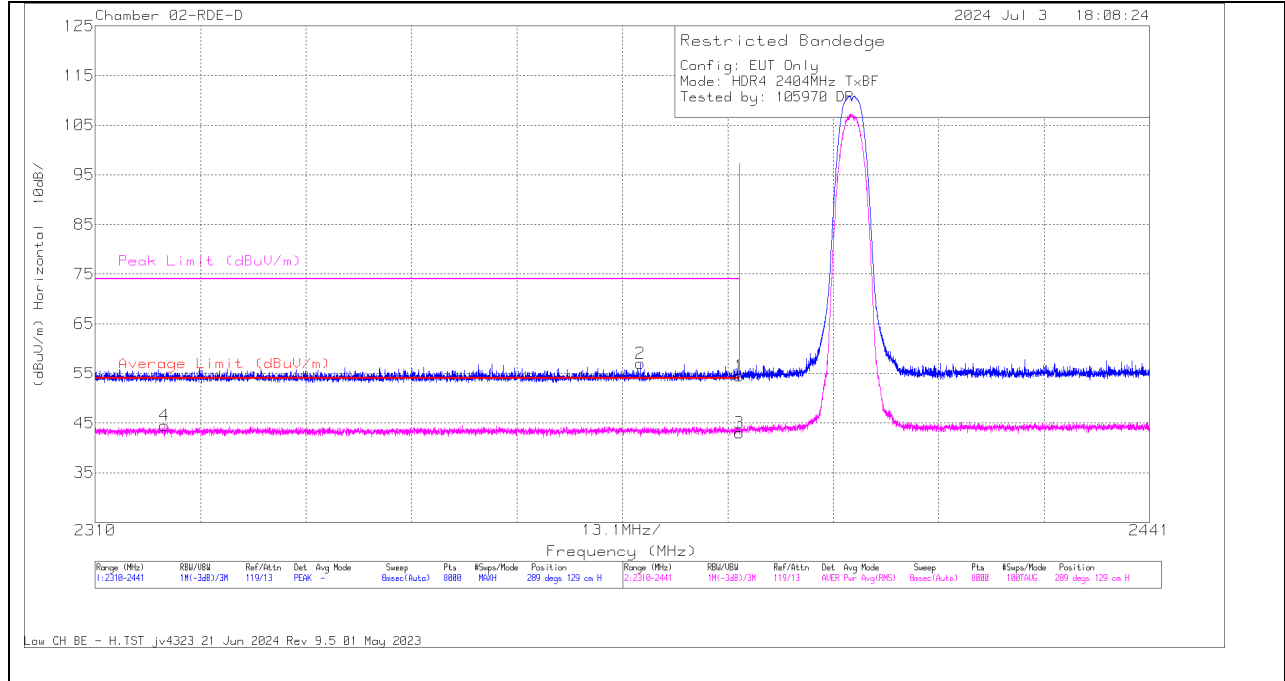
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.25	Pk	32.4	-19.6	55.05	-	-	74	-18.95	193	132	V
3	* 2483.5	31.17	RMS	32.4	-19.6	43.97	54	-10.03	-	-	193	132	V
2	2528.745	44.64	Pk	32.4	-19.4	57.64	-	-	74	-16.36	193	132	V
4	2544.439	32.31	RMS	32.4	-19.3	45.41	54	-8.59	-	-	193	132	V

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

10.2.2. HIGH POWER HDR TXBF (HDR4)

BANDEDGE (LOW CHANNEL)

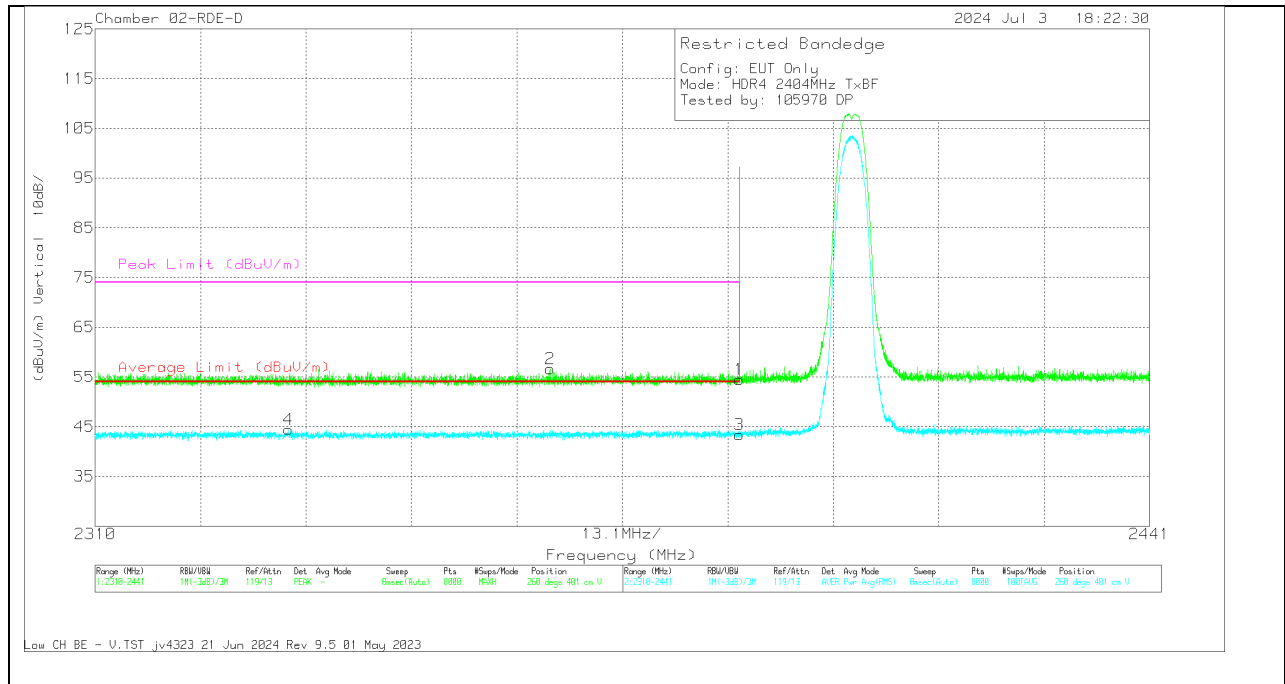
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.92	Pk	32.2	-19.6	54.52	-	-	74	-19.48	289	129	H
2	* 2377.735	44.5	PK	32.2	-19.7	57	-	-	74	-17	289	129	H
3	* 2390	30.46	RMS	32.2	-19.6	43.06	54	-10.94	-	-	289	129	H
4	* 2318.631	32.18	RMS	32	-19.6	44.58	54	-9.42	-	-	289	129	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.87	PK	32.2	-19.6	54.47	-	-	74	-19.53	260	401	V
2	* 2366.517	44.21	PK	32.1	-19.7	56.61	-	-	74	-17.39	260	401	V
3	* 2390	30.78	RMS	32.2	-19.6	43.38	54	-10.62	-	-	260	401	V
4	* 2334.009	32.16	RMS	32	-19.7	44.46	54	-9.54	-	-	260	401	V

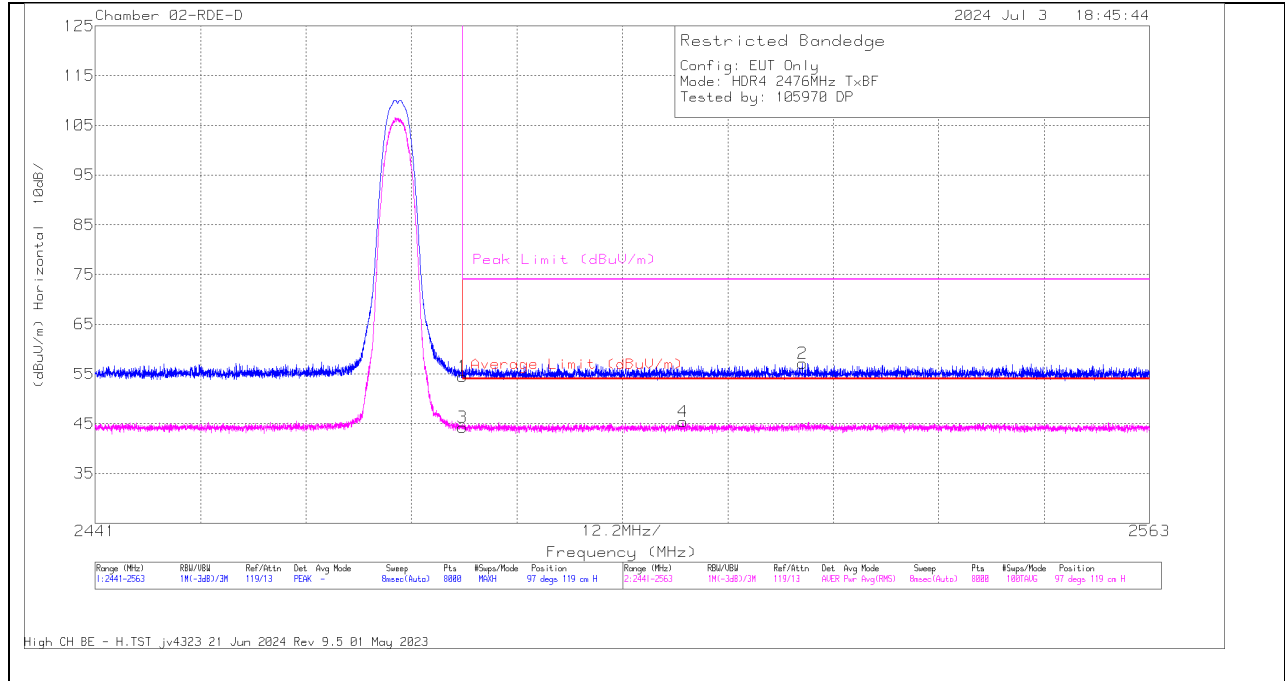
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

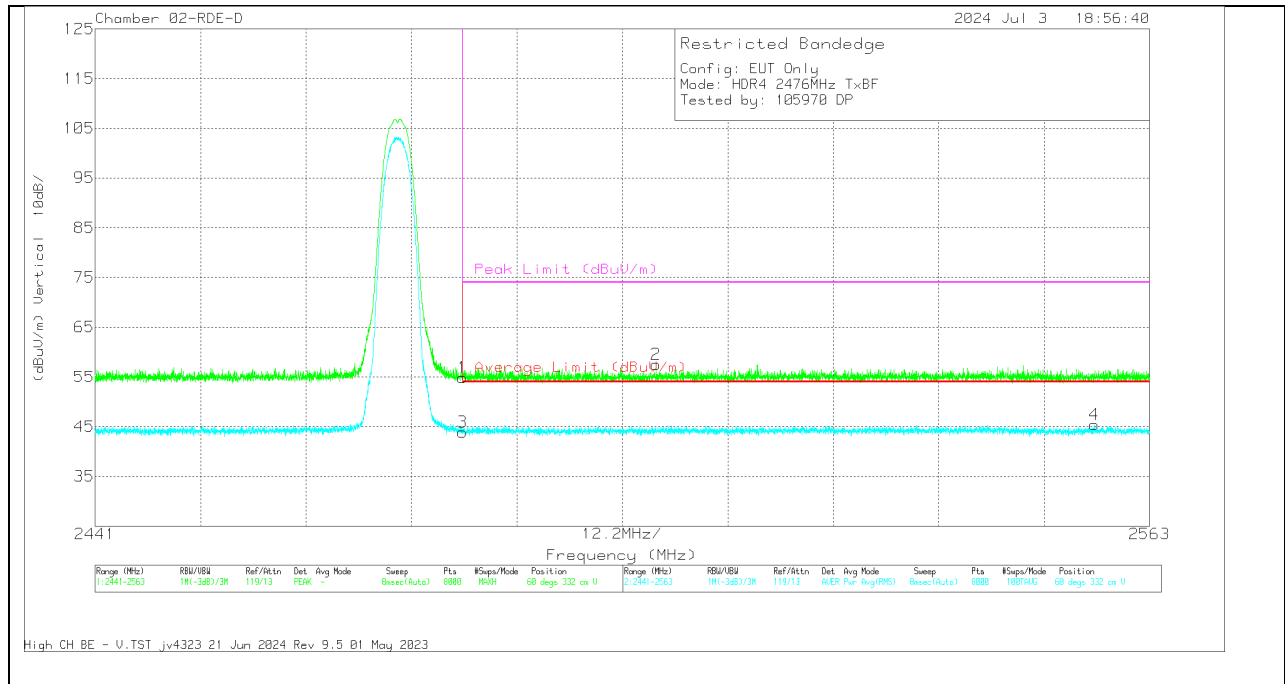
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	41.7	Pk	32.4	-19.6	54.5	-	-	74	-19.5	97	119	H
3	* 2483.5	31.5	RMS	32.4	-19.6	44.3	54	-9.7	-	-	97	119	H
4	2508.993	32.31	RMS	32.4	-19.3	45.41	54	-8.59	-	-	97	119	H
2	2522.842	43.91	Pk	32.4	-19.2	57.11	-	-	74	-16.89	97	119	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.06	Pk	32.4	-19.6	54.86	-	-	74	-19.14	60	332	V
3	* 2483.5	31.13	RMS	32.4	-19.6	43.93	54	-10.07	-	-	60	332	V
2	2505.882	44.53	Pk	32.4	-19.4	57.53	-	-	74	-16.47	60	332	V
4	2556.641	32.38	RMS	32.3	-19.3	45.38	54	-8.62	-	-	60	332	V

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

Pk - Peak detector

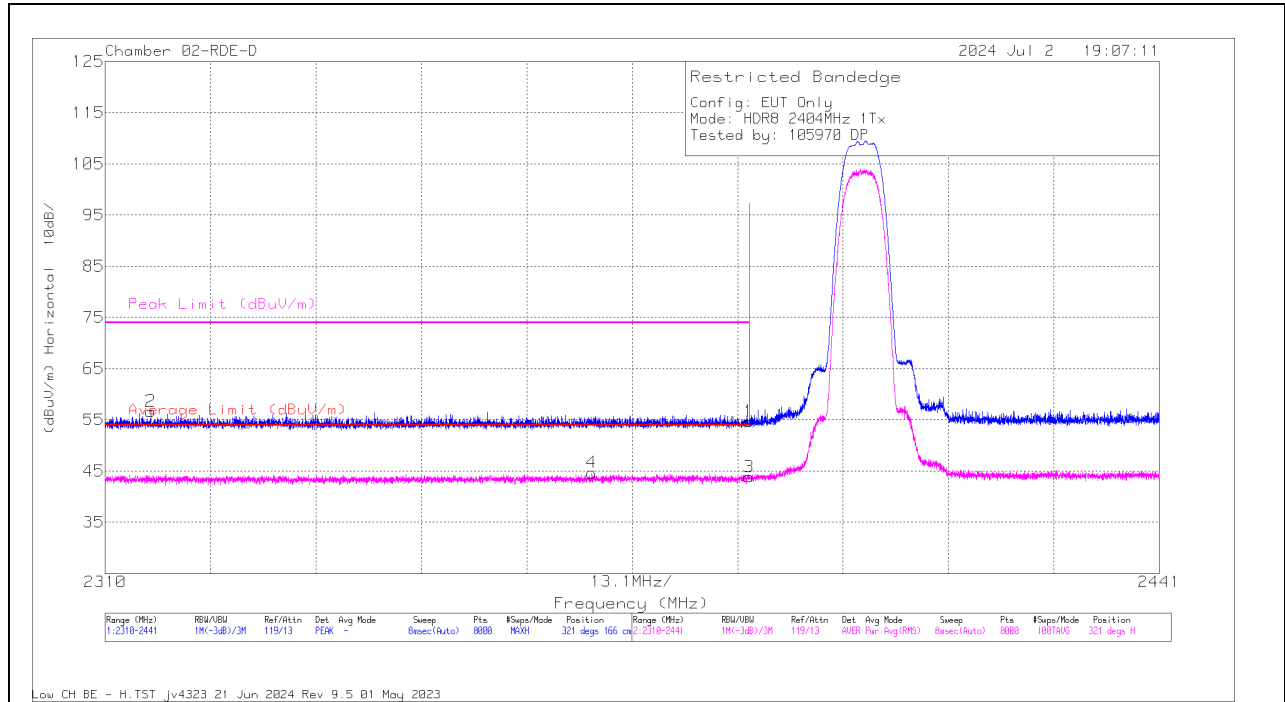
RMS - RMS detection

10.2.3. HIGH POWER HDR (HDR8)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



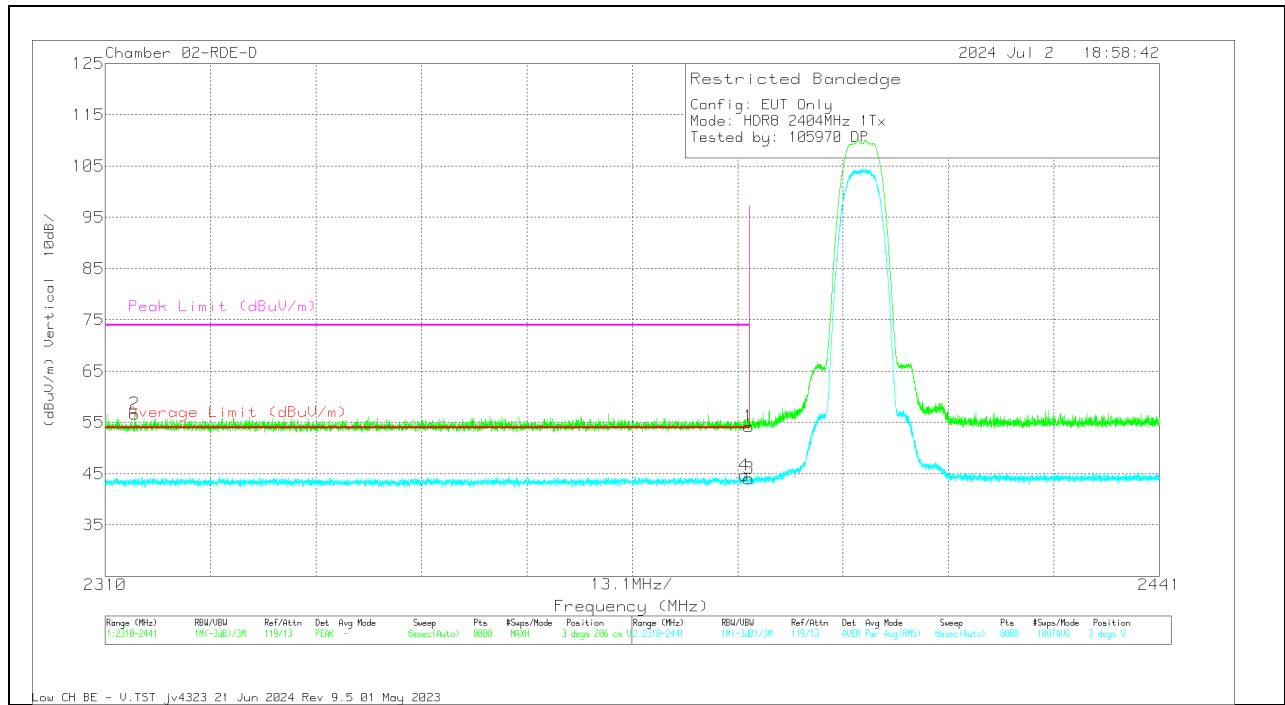
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.08	Pk	32.2	-19.6	54.68	-	-	74	-19.32	321	166	H
2	* 2315.65	44.34	Pk	32	-19.7	56.64	-	-	74	-17.36	321	166	H
3	* 2390	31.26	RMS	32.2	-19.6	43.86	54	-10.14	-	-	321	166	H
4	* 2370.448	32.17	RMS	32.1	-19.6	44.67	54	-9.33	-	-	321	166	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.63	Pk	32.2	-19.6	54.23	-	-	74	-19.77	3	206	V
2	* 2313.668	44.34	Pk	32	-19.7	56.64	-	-	74	-17.36	3	206	V
3	* 2390	31.46	RMS	32.2	-19.6	44.06	54	-9.94	-	-	3	206	V
4	* 2389.428	32.19	RMS	32.2	-19.7	44.69	54	-9.31	-	-	3	206	V

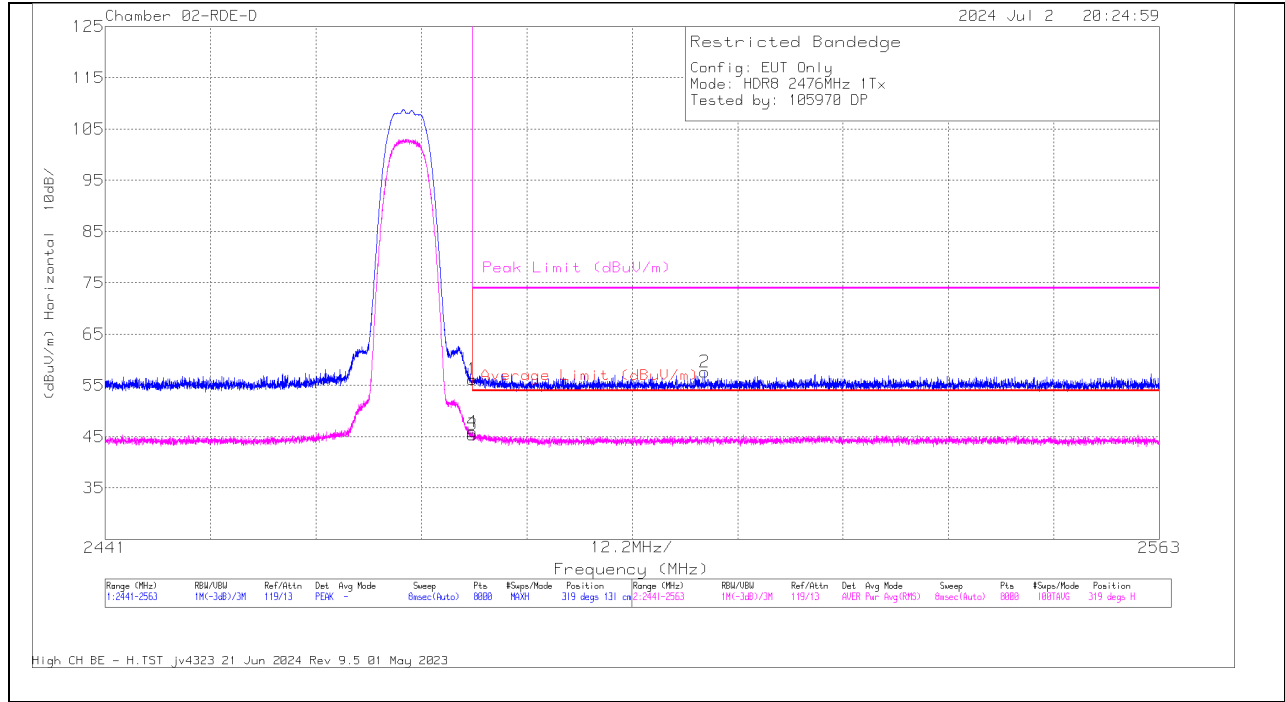
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

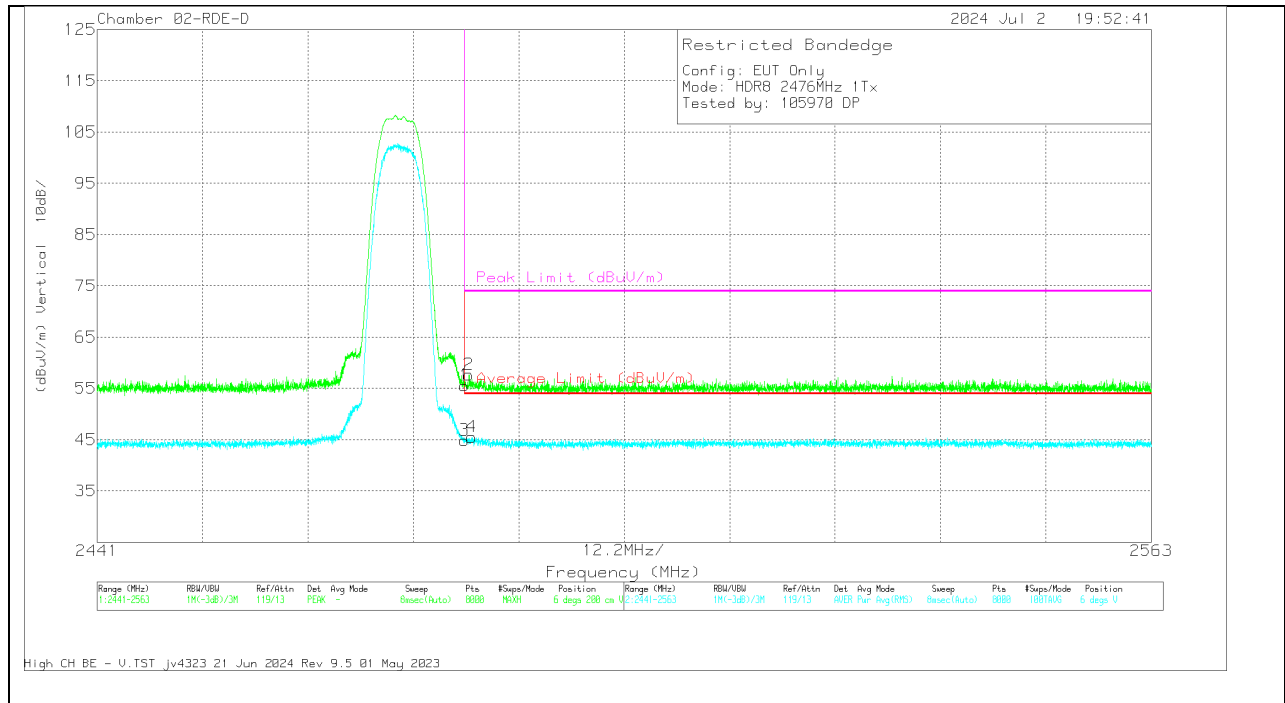
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.36	PK	32.4	-19.6	56.16	-	-	74	-17.84	319	131	H
3	* 2483.5	32.62	RMS	32.4	-19.6	45.42	54	-8.58	-	-	319	131	H
4	* 2483.523	33.15	RMS	32.4	-19.6	45.95	54	-8.05	-	-	319	131	H
2	2510.381	44.53	PK	32.4	-19.3	57.63	-	-	74	-16.37	319	131	H

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

VERTICAL RESULT



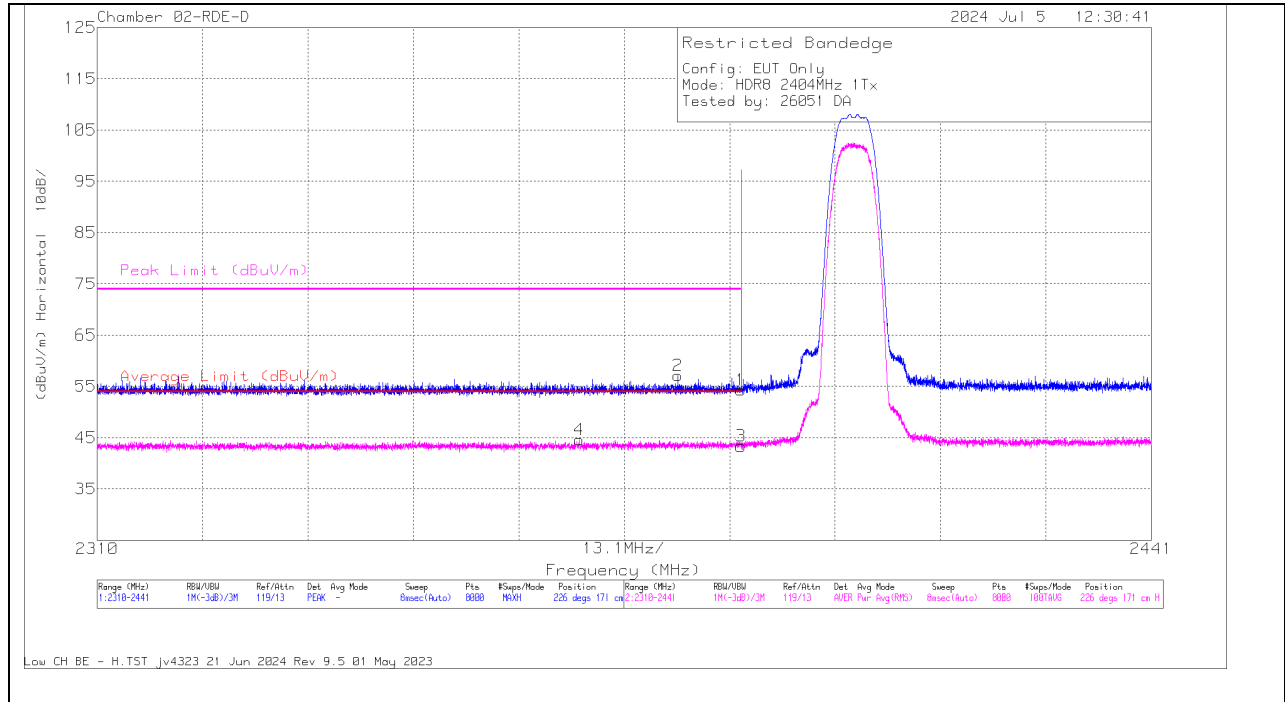
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.75	Pk	32.4	-19.6	55.55	-	-	74	-18.45	6	200	V
2	* 2484.026	44.88	Pk	32.4	-19.6	57.68	-	-	74	-16.32	6	200	V
3	* 2483.5	32.09	RMS	32.4	-19.6	44.89	54	-9.11	-	-	6	200	V
4	* 2484.331	32.73	RMS	32.4	-19.6	45.53	54	-8.47	-	-	6	200	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

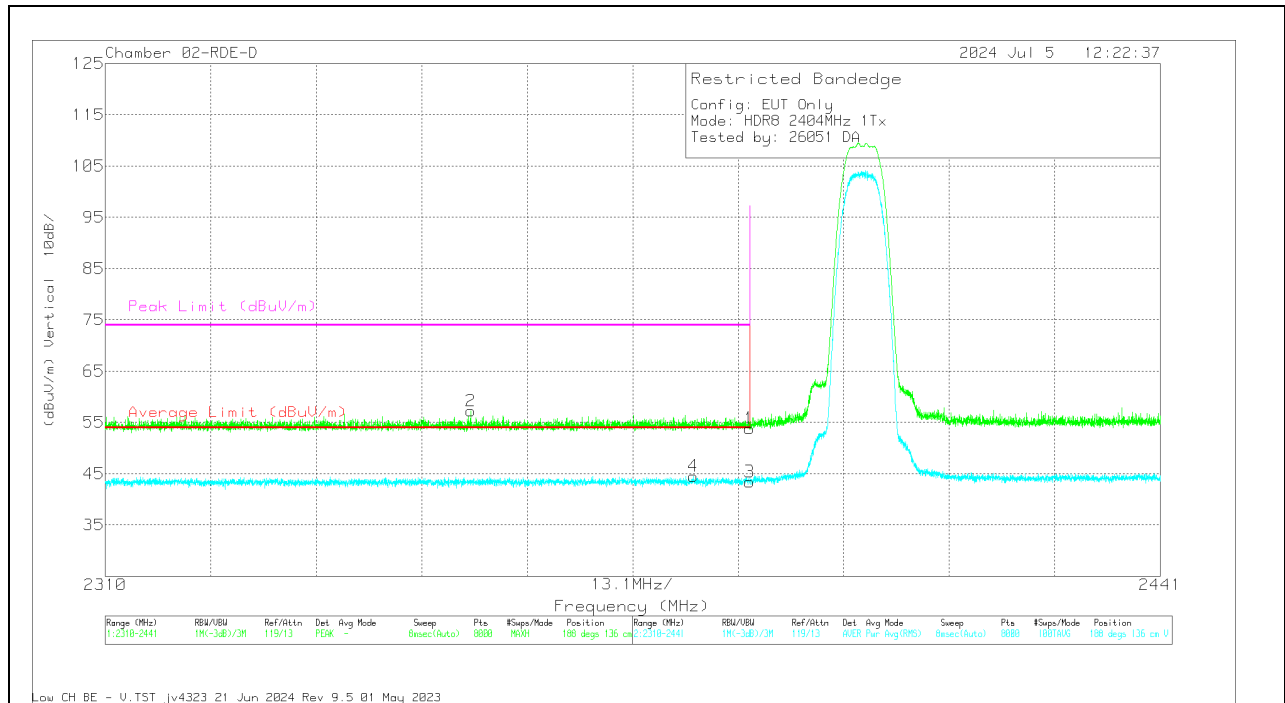
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.68	PK	32.2	-19.6	54.28	-	-	74	-19.72	226	171	H
2	* 2382.141	44.61	PK	32.2	-19.7	57.11	-	-	74	-16.89	226	171	H
3	* 2390	30.73	RMS	32.2	-19.6	43.33	54	-10.67	-	-	226	171	H
4	* 2369.923	32.09	RMS	32.1	-19.6	44.59	54	-9.41	-	-	226	171	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.22	Pk	32.2	-19.6	53.82	-	-	74	-20.18	188	136	V
2	* 2355.381	44.84	Pk	32.1	-19.7	57.24	-	-	74	-16.76	188	136	V
3	* 2390	30.79	RMS	32.2	-19.6	43.39	54	-10.61	-	-	188	136	V
4	* 2383.009	32	RMS	32.2	-19.7	44.5	54	-9.5	-	-	188	136	V

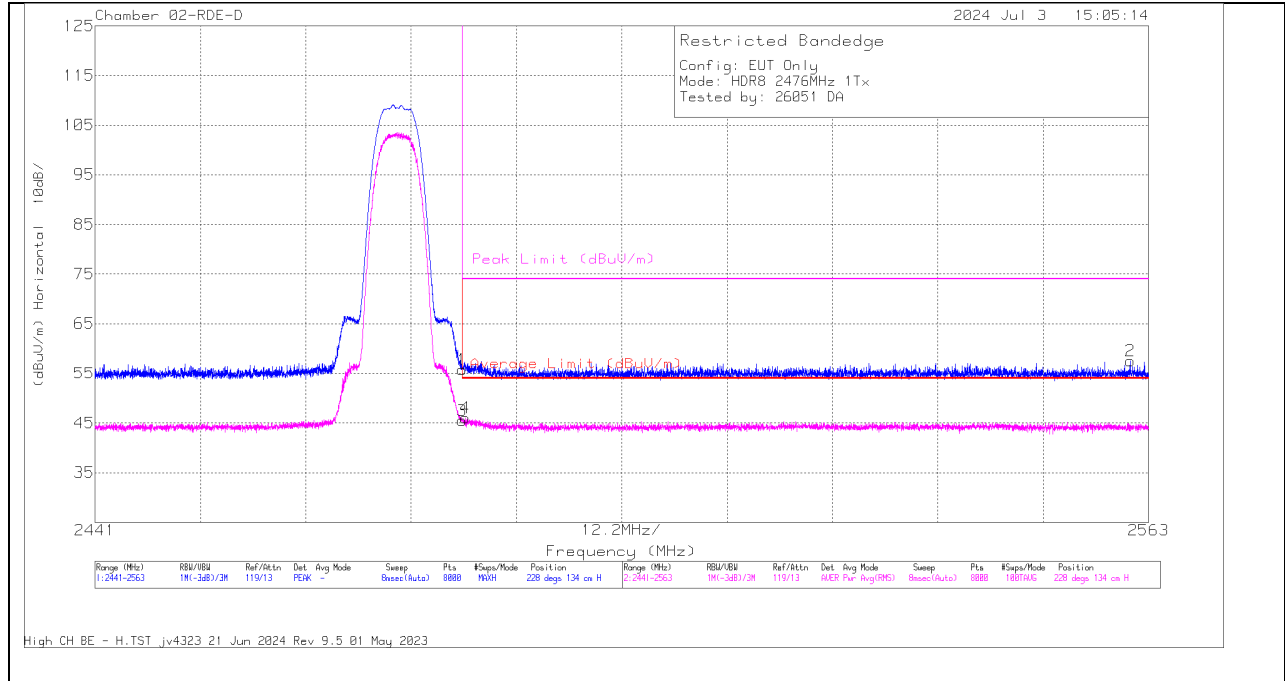
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

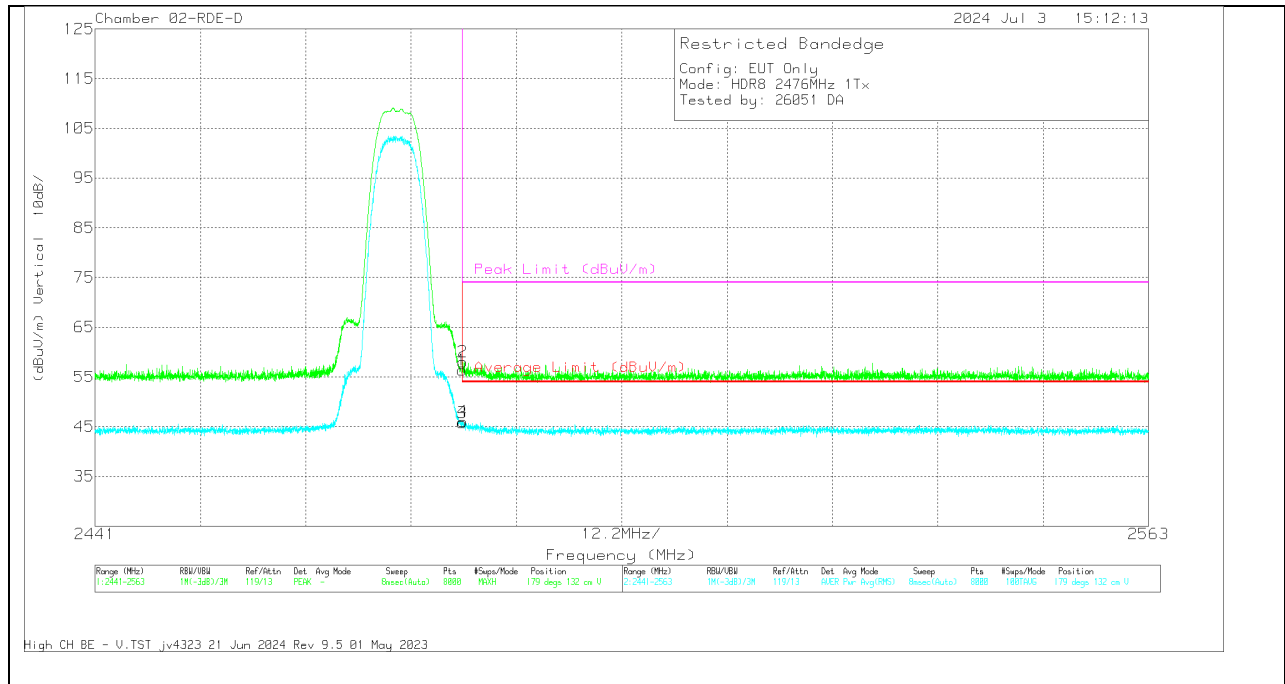
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/CbI (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43	Pk	32.4	-19.6	55.8	-	-	74	-18.2	228	134	H
3	* 2483.5	32.68	RMS	32.4	-19.6	45.48	54	-8.52	-	-	228	134	H
4	* 2483.843	33.27	RMS	32.4	-19.6	46.07	54	-7.93	-	-	228	134	H
2	2560.865	44.53	Pk	32.3	-19.3	57.53	-	-	74	-16.47	228	134	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.59	PK	32.4	-19.6	56.39	-	-	74	-17.61	179	132	V
2	* 2483.614	45.23	PK	32.4	-19.6	58.03	-	-	74	-15.97	179	132	V
3	* 2483.5	32.96	RMS	32.4	-19.6	45.76	54	-8.24	-	-	179	132	V
4	* 2483.553	33.25	RMS	32.4	-19.6	46.05	54	-7.95	-	-	179	132	V

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

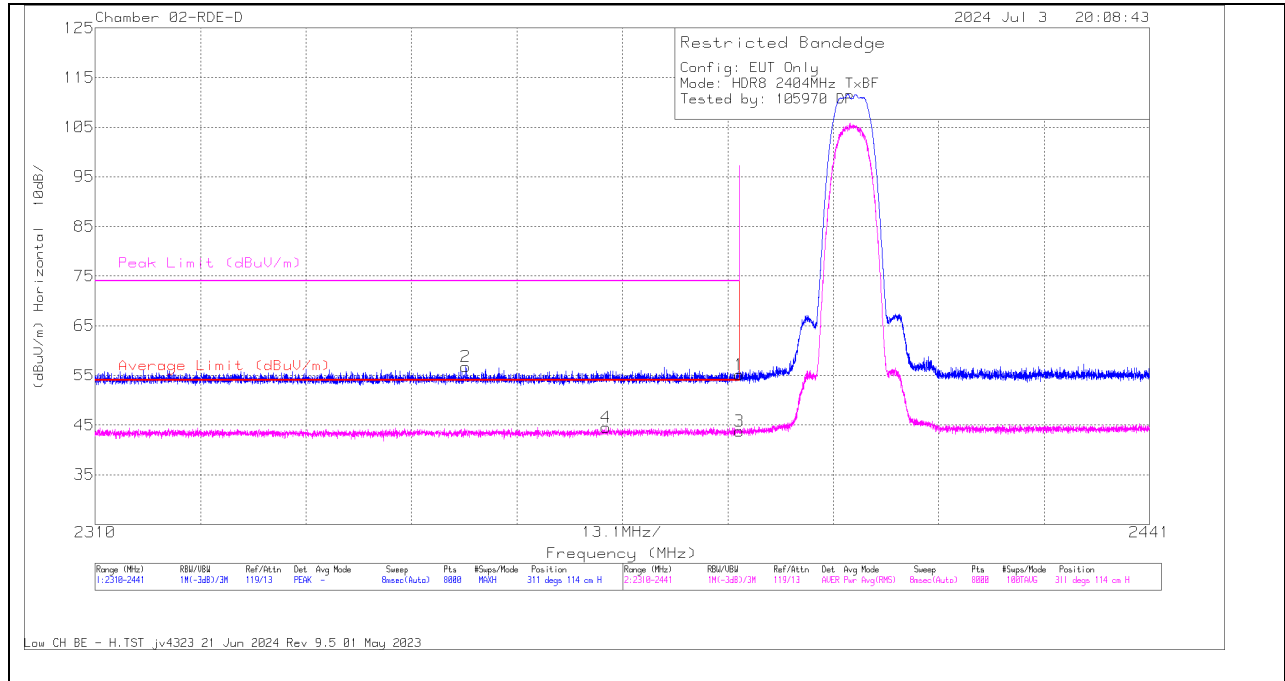
PK - Peak detector

RMS - RMS detection

10.2.4. HIGH POWER HDR TXBF (HDR8)

BANDEDGE (LOW CHANNEL)

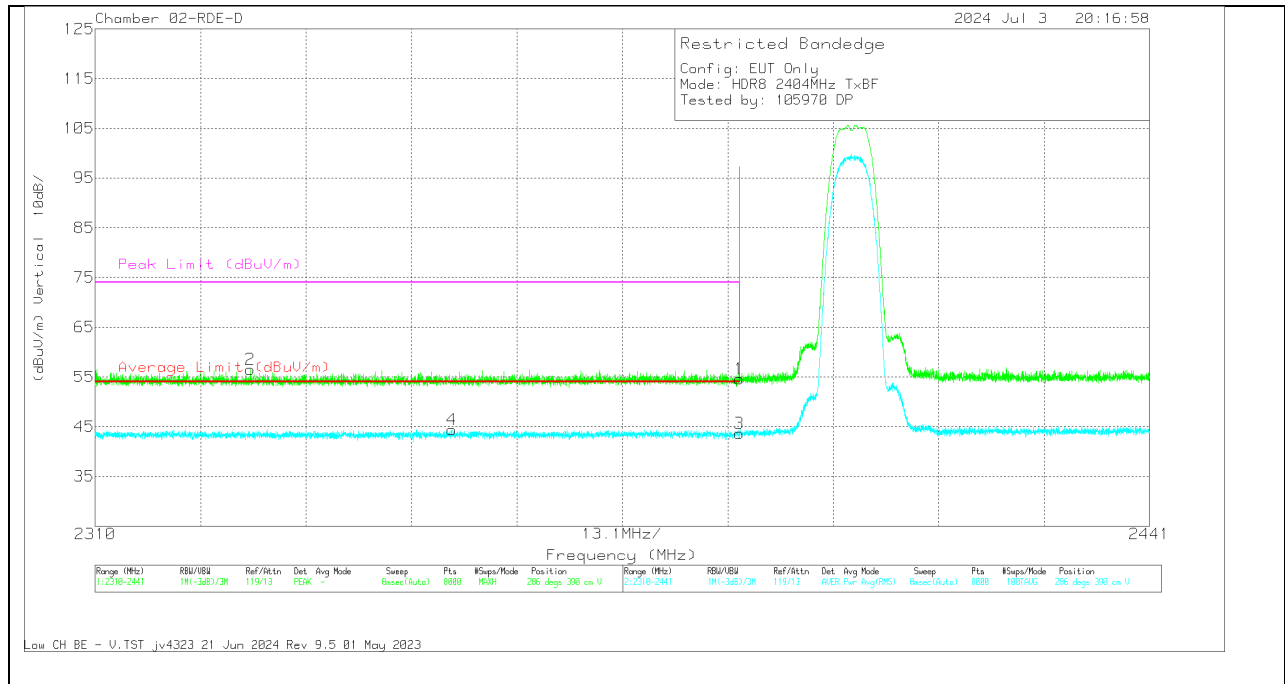
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.56	Pk	32.2	-19.6	55.16	-	-	74	-18.84	311	114	H
2	* 2356.069	44.37	PK	32.1	-19.7	56.77	-	-	74	-17.23	311	114	H
3	* 2390	31.16	RMS	32.2	-19.6	43.76	54	-10.24	-	-	311	114	H
4	* 2373.445	32.04	RMS	32.1	-19.6	44.54	54	-9.46	-	-	311	114	H

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

VERTICAL RESULT

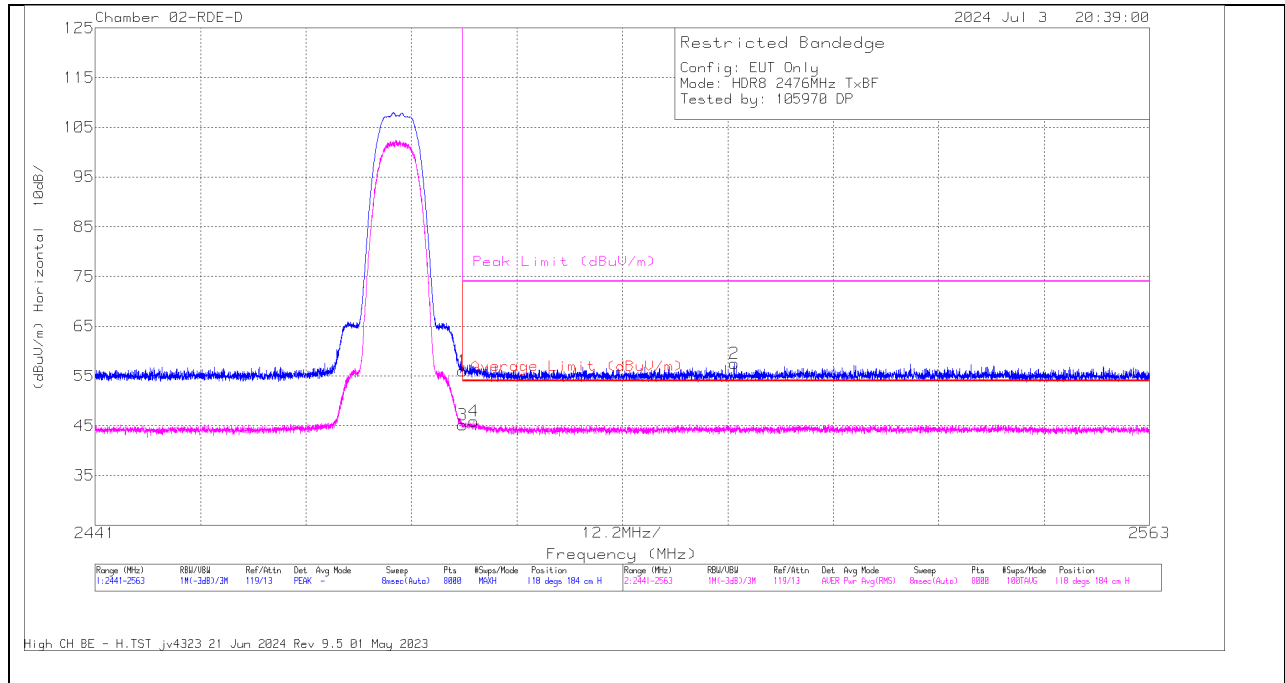


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.02	PK	32.2	-19.6	54.62	-	-	74	-19.38	286	390	V
2	* 2329.276	44.33	PK	32	-19.8	56.53	-	-	74	-17.47	286	390	V
3	* 2390	31.03	RMS	32.2	-19.6	43.63	54	-10.37	-	-	286	390	V
4	* 2354.316	31.99	RMS	32.1	-19.7	44.39	54	-9.61	-	-	286	390	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



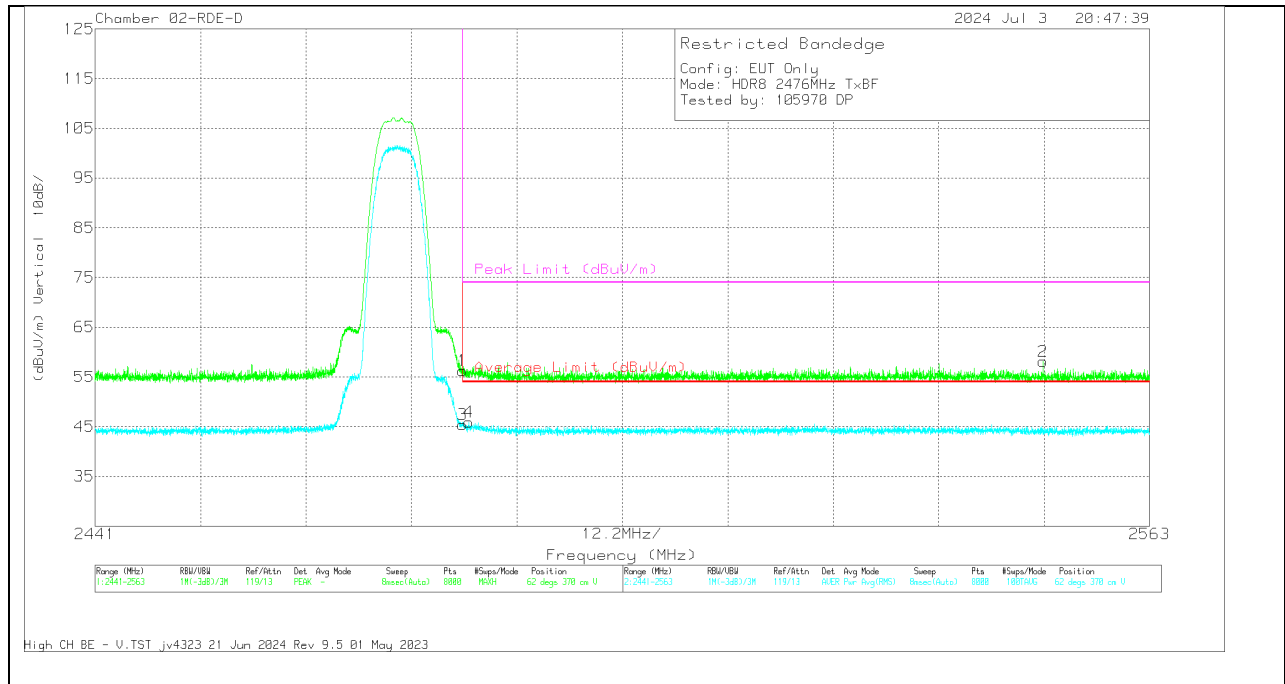
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.21	PK	32.4	-19.6	56.01	-	-	74	-17.99	118	184	H
3	* 2483.5	32.39	RMS	32.4	-19.6	45.19	54	-8.81	-	-	118	184	H
4	* 2484.834	32.97	RMS	32.4	-19.5	45.87	54	-8.13	-	-	118	184	H
2	2514.926	44.48	PK	32.4	-19.4	57.48	-	-	74	-16.52	118	184	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.42	PK	32.4	-19.6	56.22	-	-	74	-17.78	62	370	V
3	* 2483.5	32.64	RMS	32.4	-19.6	45.44	54	-8.56	-	-	62	370	V
4	* 2484.224	33.15	RMS	32.4	-19.6	45.95	54	-8.05	-	-	62	370	V
2	2550.677	45.19	PK	32.3	-19.4	58.09	-	-	74	-15.91	62	370	V

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

PK - Peak detector

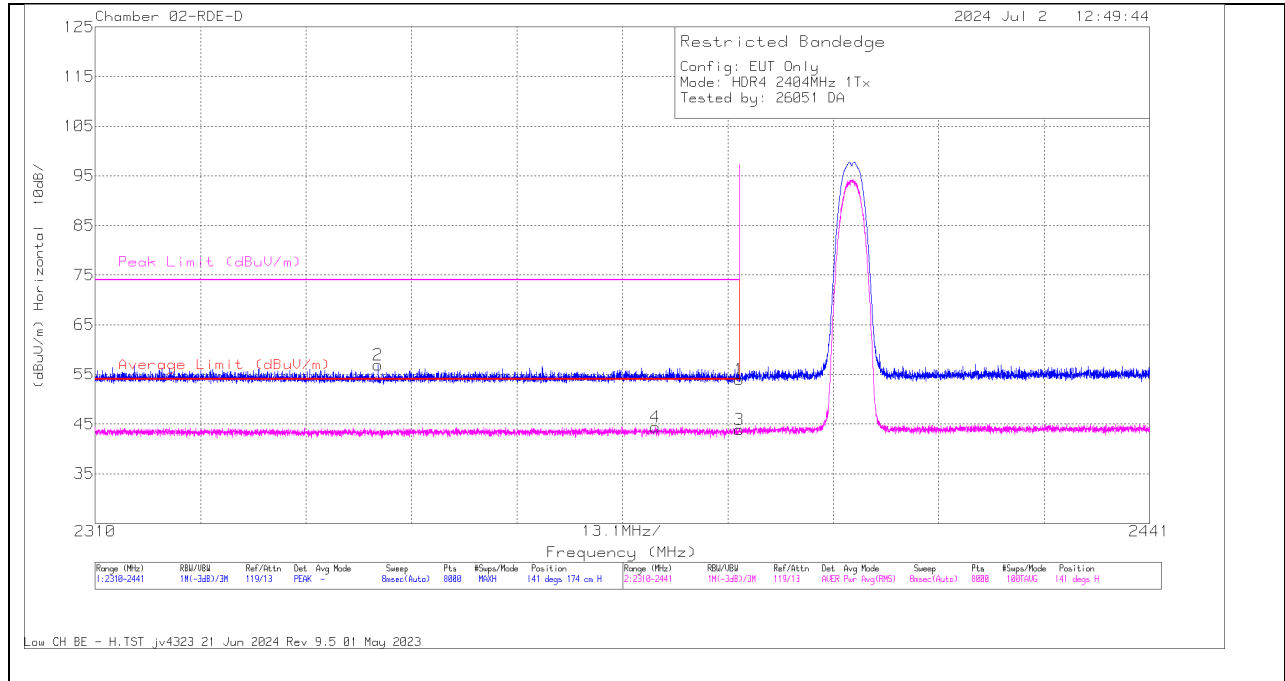
RMS - RMS detection

10.2.5. LOW POWER HDR (HDR4)

ANT 4

BANDEDGE (LOW CHANNEL)

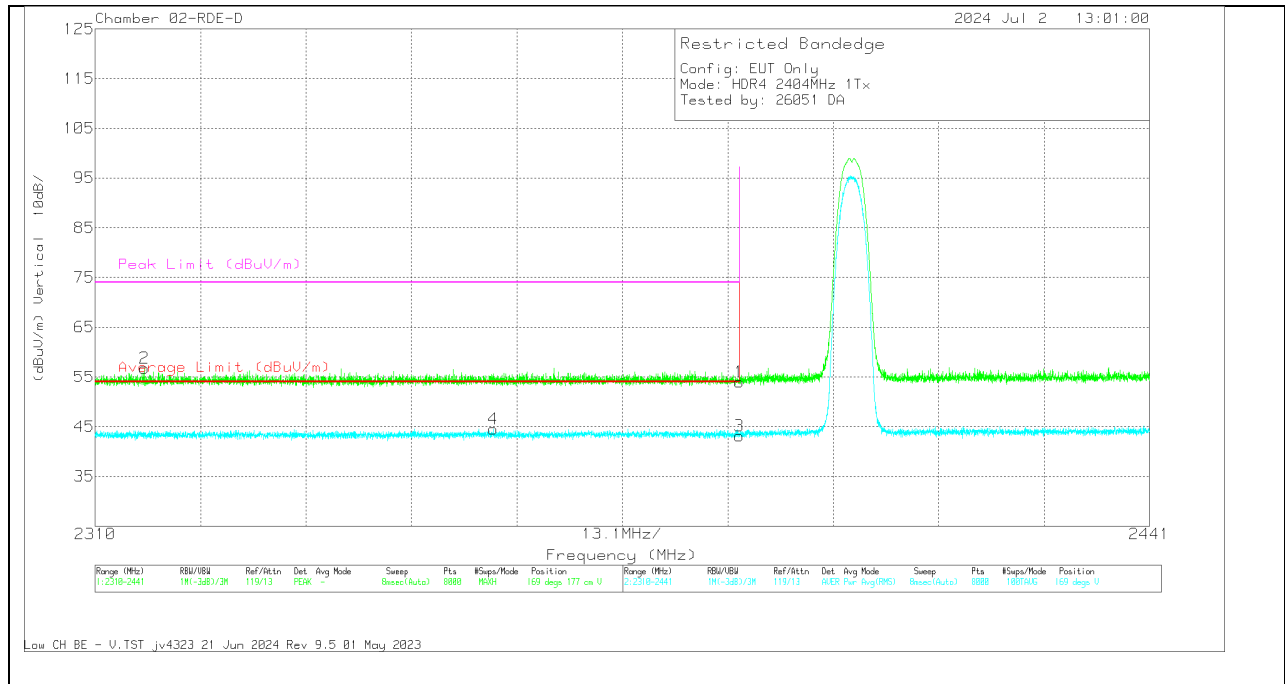
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.41	Pk	32.2	-19.6	54.01	-	-	74	-19.99	141	174	H
2	* 2345.145	44.6	Pk	32	-19.7	56.9	-	-	74	-17.1	141	174	H
3	* 2390	31.33	RMS	32.2	-19.6	43.93	54	-10.07	-	-	141	174	H
4	* 2379.635	31.87	RMS	32.2	-19.7	44.37	54	-9.63	-	-	141	174	H

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

VERTICAL RESULT

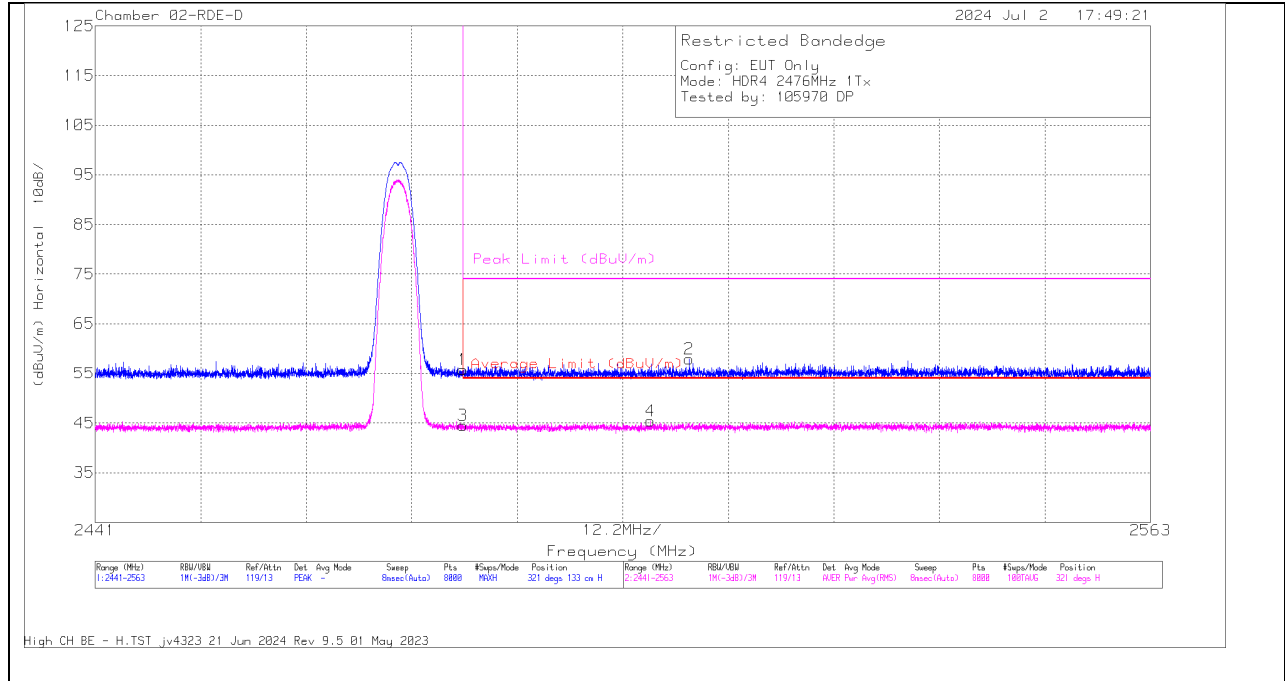


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.34	Pk	32.2	-19.6	53.94	-	-	74	-20.06	169	177	V
2	* 2316.141	44.48	Pk	32	-19.7	56.78	-	-	74	-17.22	169	177	V
3	* 2390	30.5	RMS	32.2	-19.6	43.1	54	-10.9	-	-	169	177	V
4	* 2359.475	32.15	RMS	32.1	-19.7	44.55	54	-9.45	-	-	169	177	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



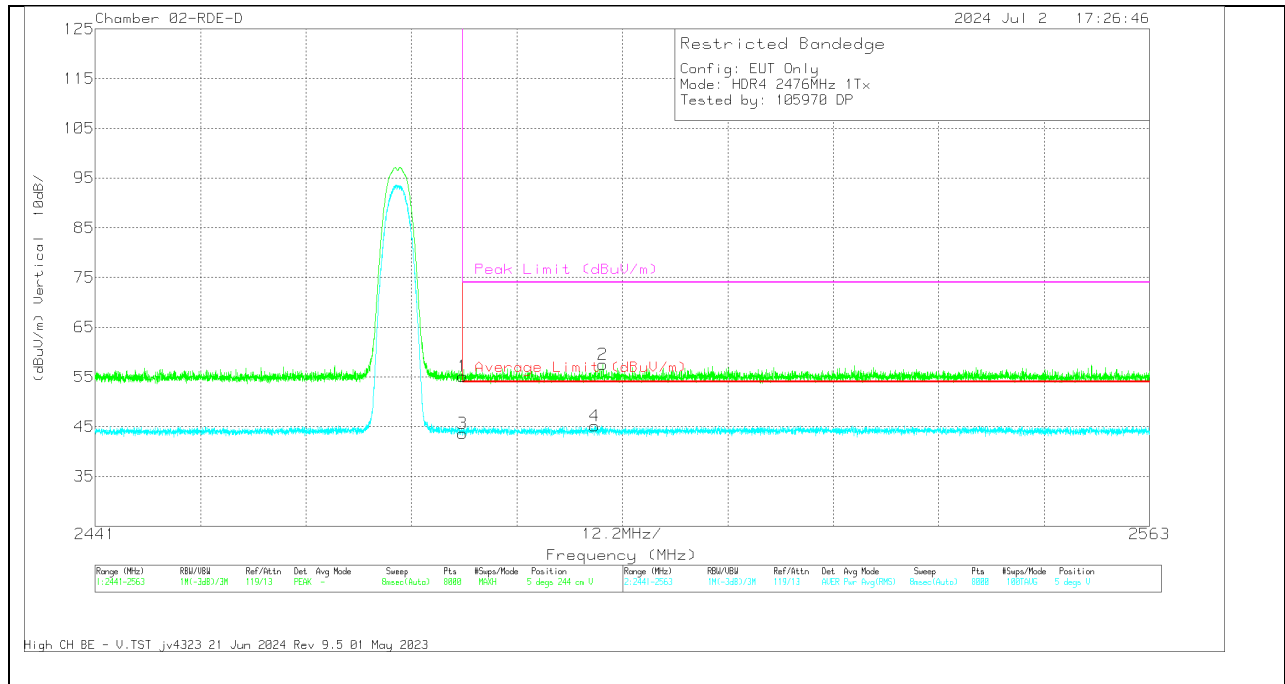
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.94	Pk	32.4	-19.6	55.74	-	-	74	-18.26	321	133	H
3	* 2483.5	31.72	RMS	32.4	-19.6	44.52	54	-9.48	-	-	321	133	H
4	2505.211	32.48	RMS	32.4	-19.5	45.38	54	-8.62	-	-	321	133	H
2	2509.695	44.79	Pk	32.4	-19.3	57.89	-	-	74	-16.11	321	133	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.33	PK	32.4	-19.6	55.13	-	-	74	-18.87	5	244	V
2	* 2499.766	44.61	PK	32.4	-19.5	57.51	-	-	74	-16.49	5	244	V
3	* 2483.5	30.85	RMS	32.4	-19.6	43.65	54	-10.35	-	-	5	244	V
4	* 2498.805	32.21	RMS	32.4	-19.4	45.21	54	-8.79	-	-	5	244	V

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

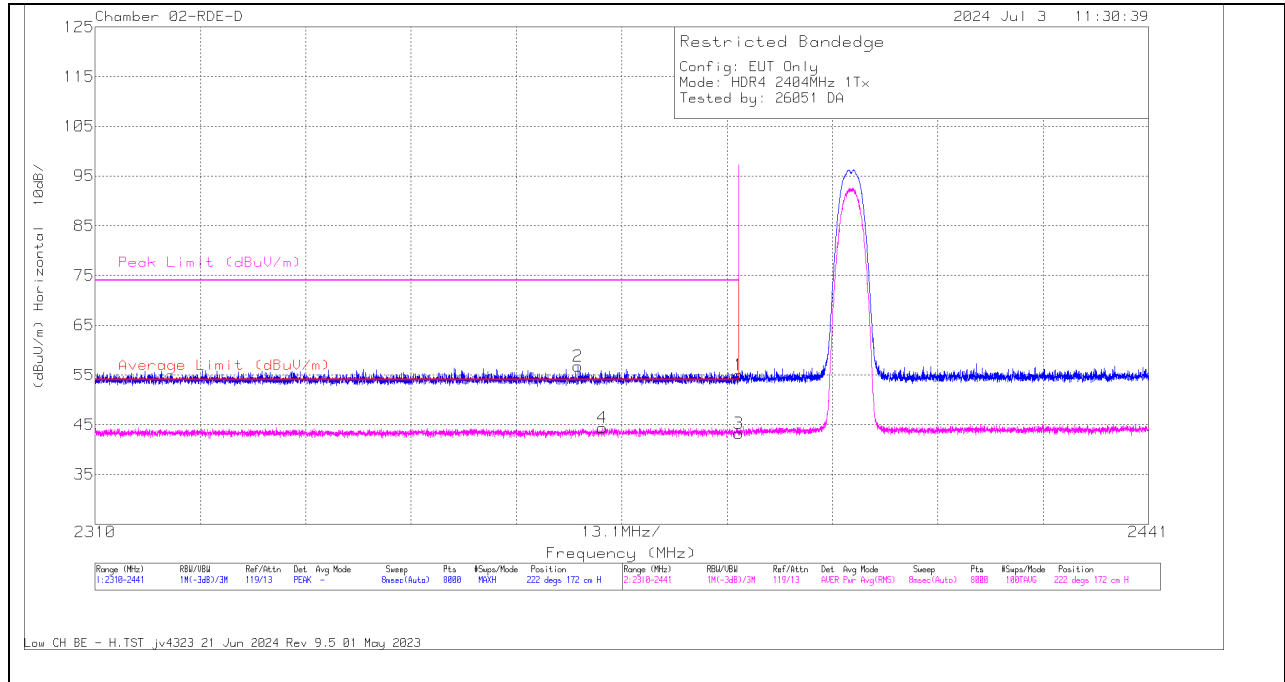
PK - Peak detector

RMS - RMS detection

ANT 3

BANDEDGE (LOW CHANNEL)

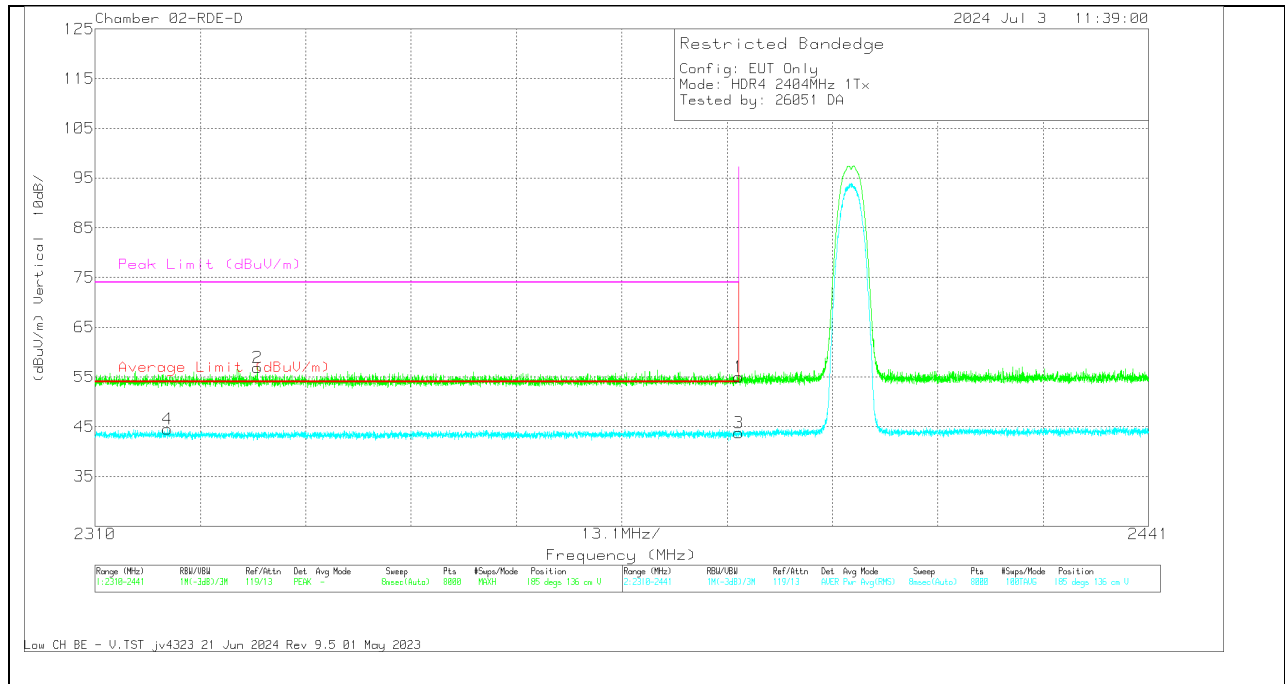
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200898 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.35	PK	32.2	-19.6	54.95	-	-	74	-19.05	222	172	H
2	* 2370.038	44.26	PK	32.1	-19.6	56.76	-	-	74	-17.24	222	172	H
3	* 2390	30.69	RMS	32.2	-19.6	43.29	54	-10.71	-	-	222	172	H
4	* 2373.068	31.91	RMS	32.1	-19.6	44.41	54	-9.59	-	-	222	172	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.44	PK	32.2	-19.6	55.04	-	-	74	-18.96	185	136	V
2	* 2330.176	44.57	PK	32	-19.7	56.87	-	-	74	-17.13	185	136	V
3	* 2390	31.17	RMS	32.2	-19.6	43.77	54	-10.23	-	-	185	136	V
4	* 2319.04	32.13	RMS	32	-19.6	44.53	54	-9.47	-	-	185	136	V

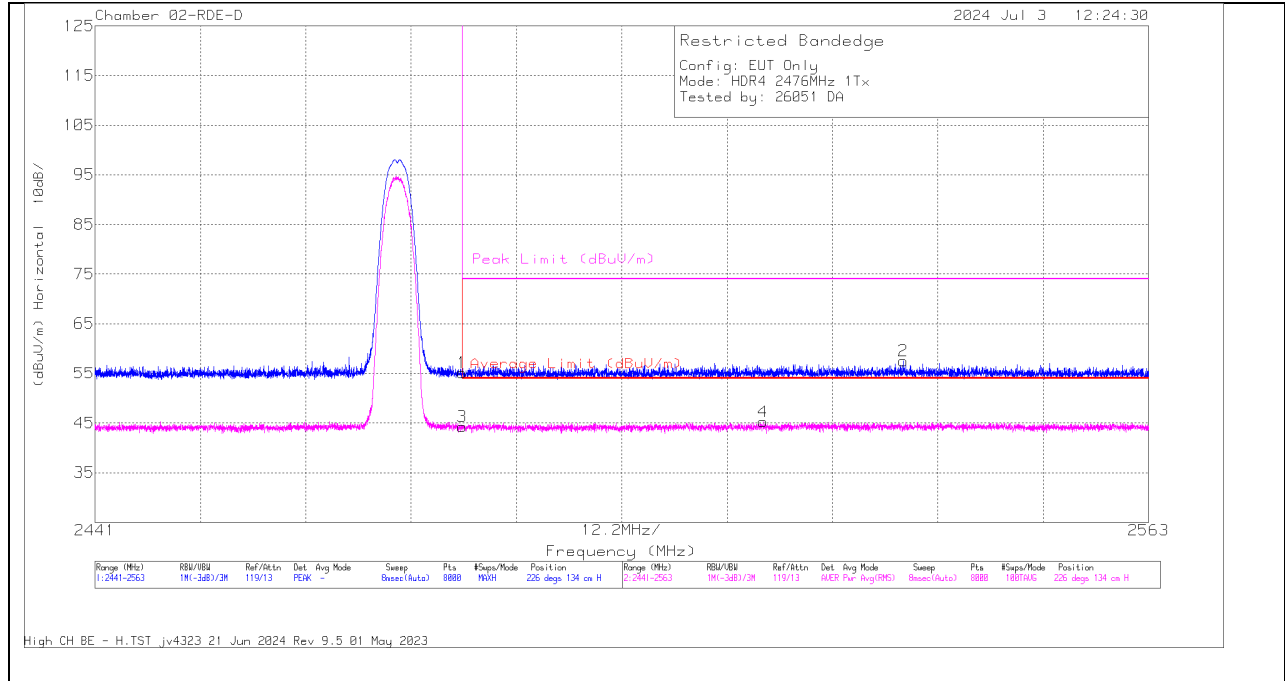
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



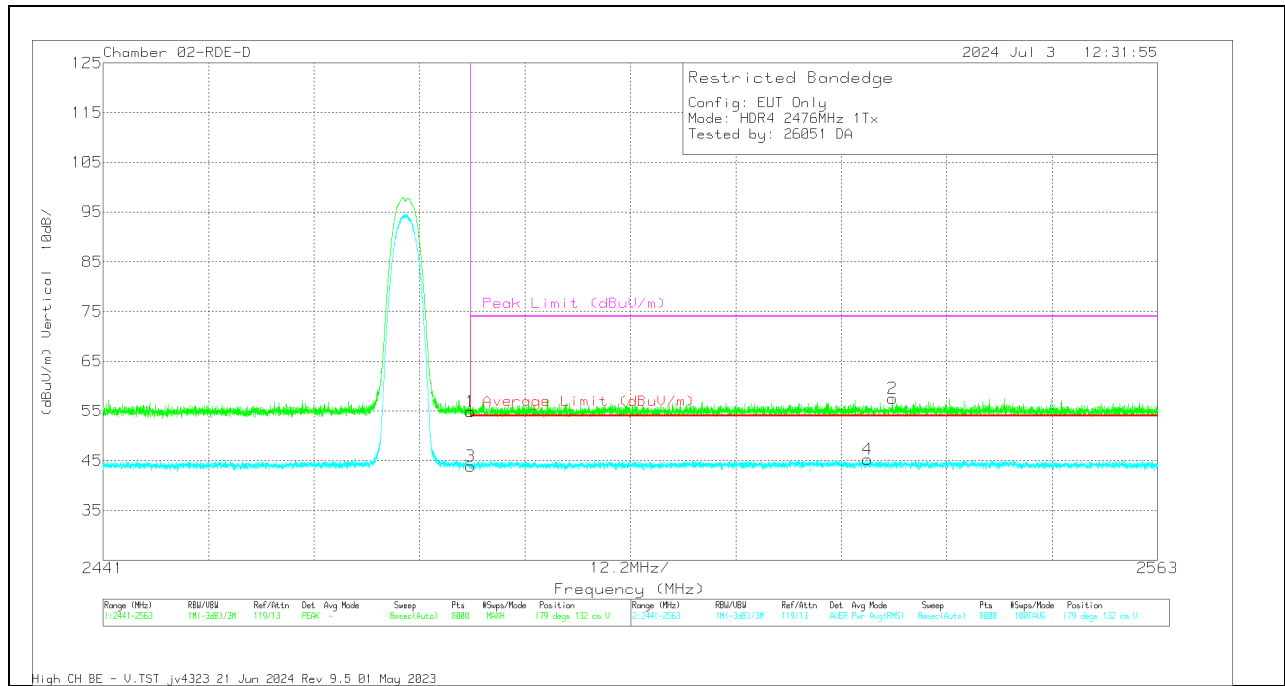
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.29	Pk	32.4	-19.6	55.09	-	-	74	-18.91	226	134	H
3	* 2483.5	31.46	RMS	32.4	-19.6	44.26	54	-9.74	-	-	226	134	H
4	2518.358	32.23	RMS	32.4	-19.4	45.23	54	-8.77	-	-	226	134	H
2	2534.571	44.5	Pk	32.4	-19.4	57.5	-	-	74	-16.5	226	134	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.09	Pk	32.4	-19.6	54.89	-	-	74	-19.11	179	132	V
3	* 2483.5	31.05	RMS	32.4	-19.6	43.85	54	-10.15	-	-	179	132	V
4	2529.462	32.26	RMS	32.4	-19.4	45.26	54	-8.74	-	-	179	132	V
2	2532.314	44.55	Pk	32.4	-19.4	57.55	-	-	74	-16.45	179	132	V

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

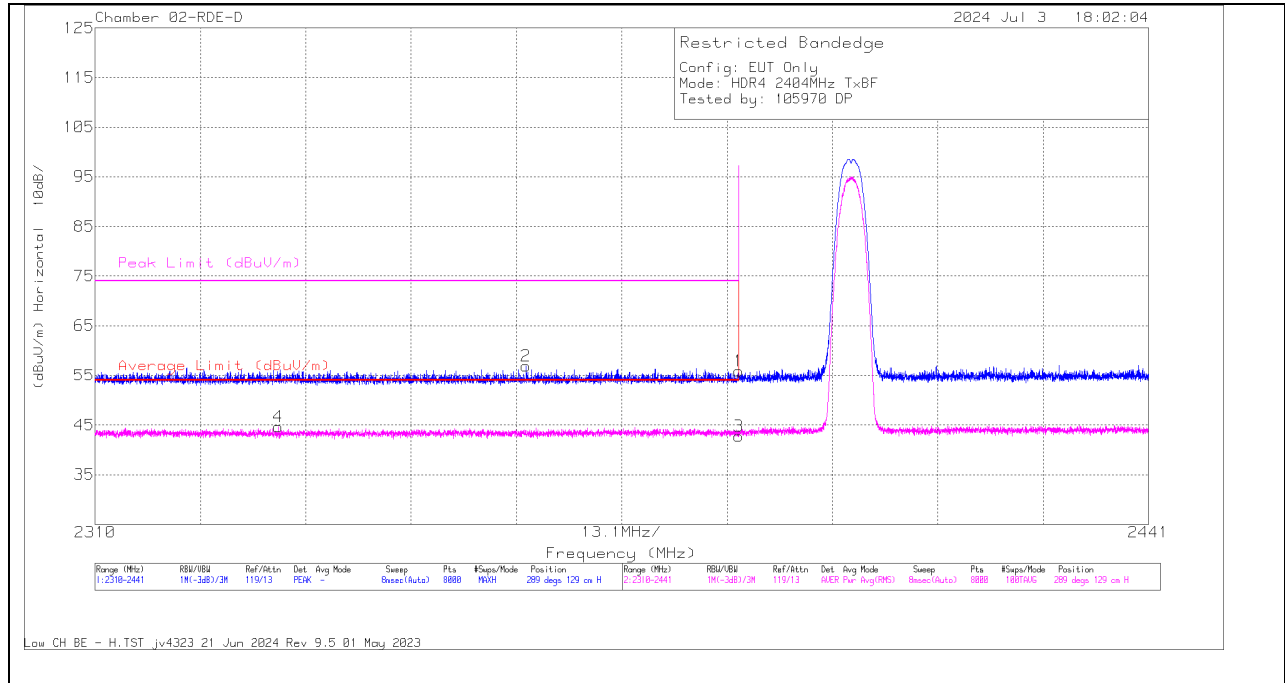
Pk - Peak detector

RMS - RMS detection

10.2.6. LOW POWER HDR TXBF (HDR4)

BANDEDGE (LOW CHANNEL)

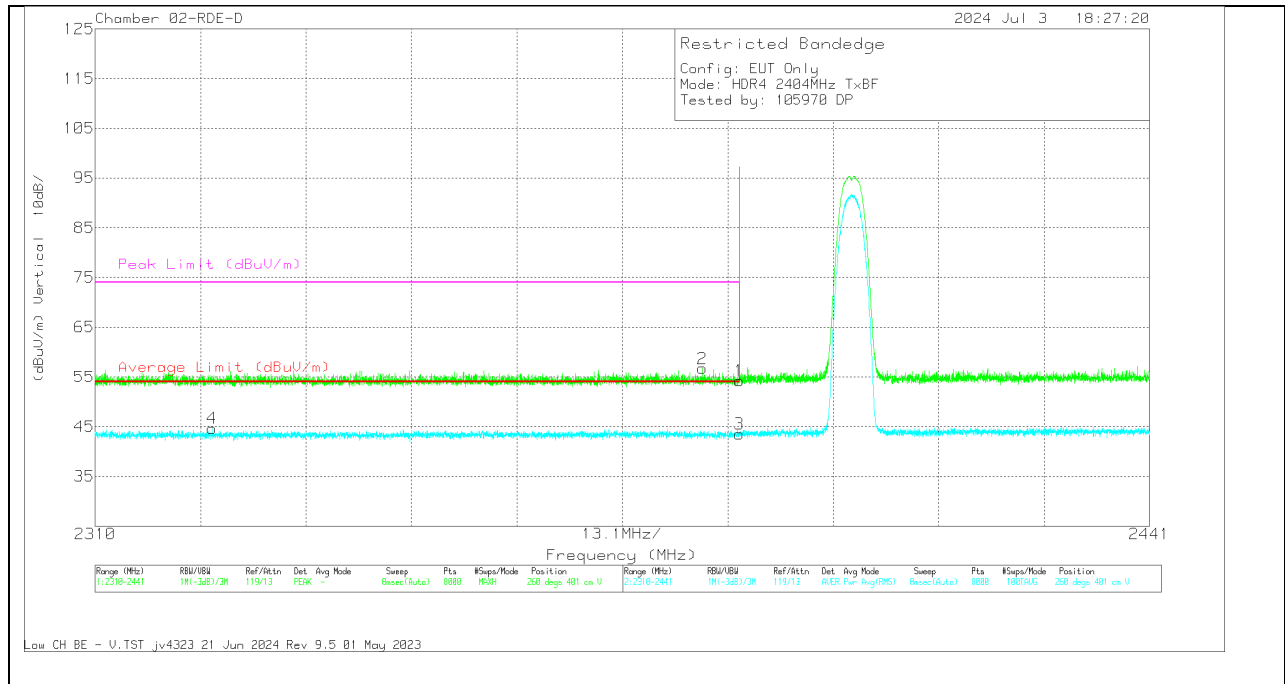
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cb1 (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	43.27	Pk	32.2	-19.6	55.87	-	-	74	-18.13	289	129	H
2	* 2363.618	44.46	PK	32.1	-19.7	56.86	-	-	74	-17.14	289	129	H
3	* 2390	30.13	RMS	32.2	-19.6	42.73	54	-11.27	-	-	289	129	H
4	* 2332.764	32.49	RMS	32	-19.8	44.69	54	-9.31	-	-	289	129	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200936 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.61	PK	32.2	-19.6	54.21	-	-	74	-19.79	260	401	V
2	* 2385.449	44.2	PK	32.2	-19.7	56.7	-	-	74	-17.3	260	401	V
3	* 2390	30.95	RMS	32.2	-19.6	43.55	54	-10.45	-	-	260	401	V
4	* 2324.559	32.32	RMS	32	-19.7	44.62	54	-9.38	-	-	260	401	V

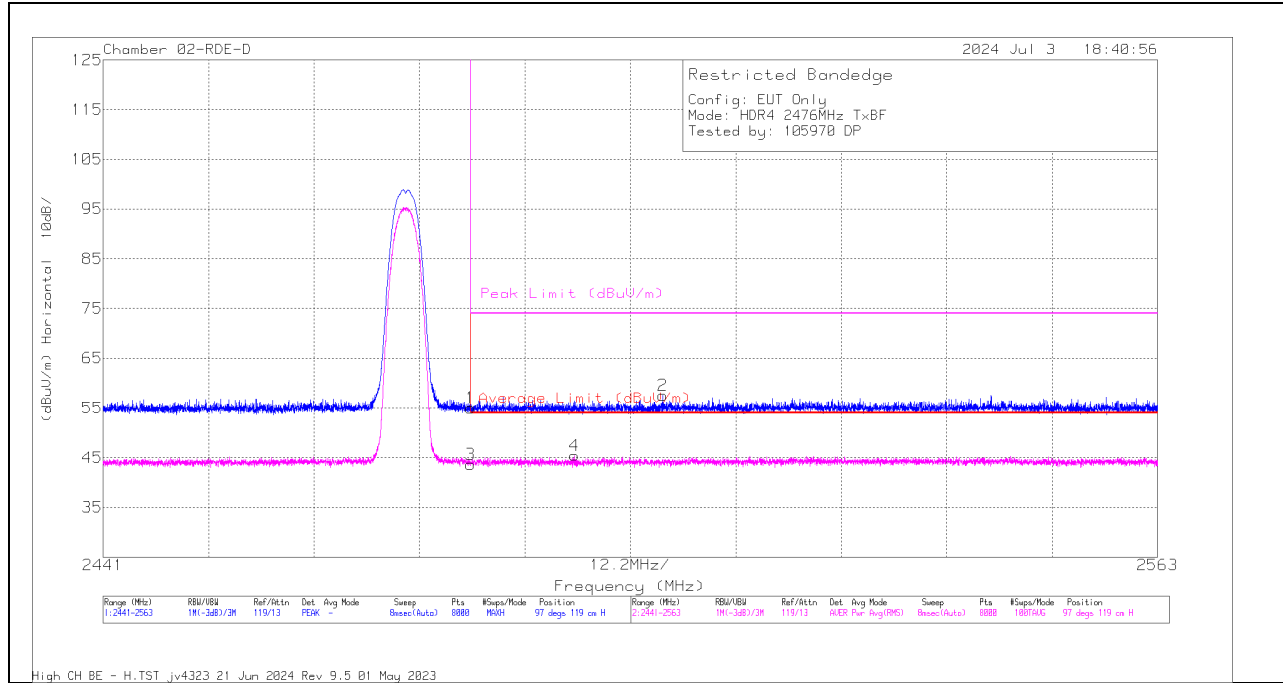
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



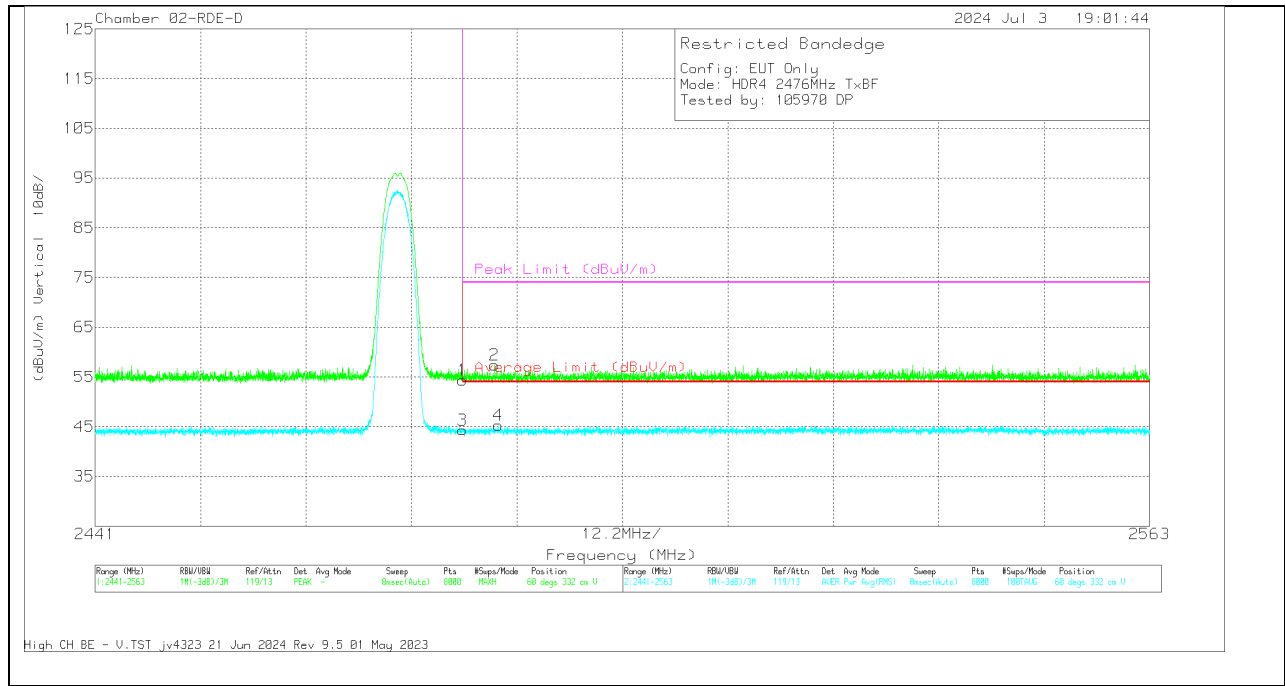
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.22	PK	32.4	-19.6	55.02	-	-	74	-18.98	97	119	H
3	* 2483.5	30.88	RMS	32.4	-19.6	43.68	54	-10.32	-	-	97	119	H
4	* 2495.556	32.67	RMS	32.4	-19.6	45.47	54	-8.53	-	-	97	119	H
2	2505.729	44.57	PK	32.4	-19.4	57.57	-	-	74	-16.43	97	119	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	41.62	PK	32.4	-19.6	54.42	-	-	74	-19.58	60	332	V
2	* 2487.214	44.5	PK	32.4	-19.5	57.4	-	-	74	-16.6	60	332	V
3	* 2483.5	31.53	RMS	32.4	-19.6	44.33	54	-9.67	-	-	60	332	V
4	* 2487.656	32.38	RMS	32.4	-19.5	45.28	54	-8.72	-	-	60	332	V

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

PK - Peak detector

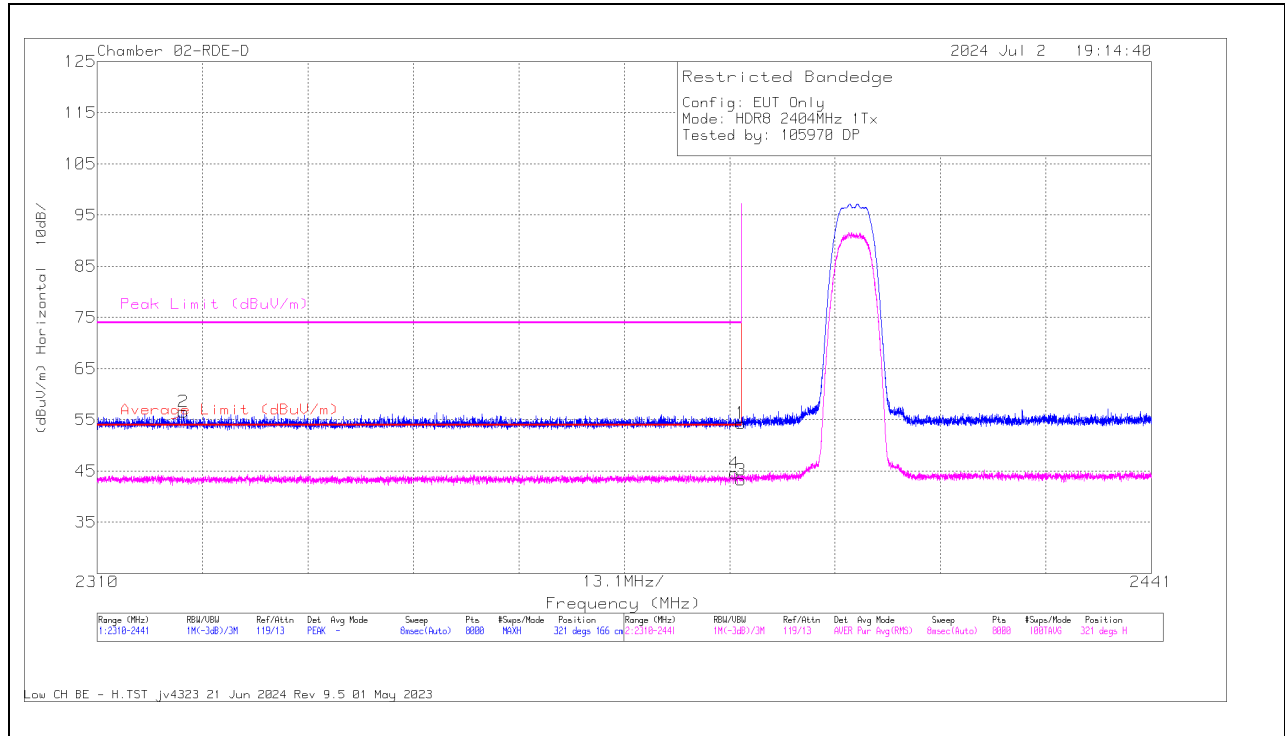
RMS - RMS detection

10.2.7. LOW POWER HDR (HDR8)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



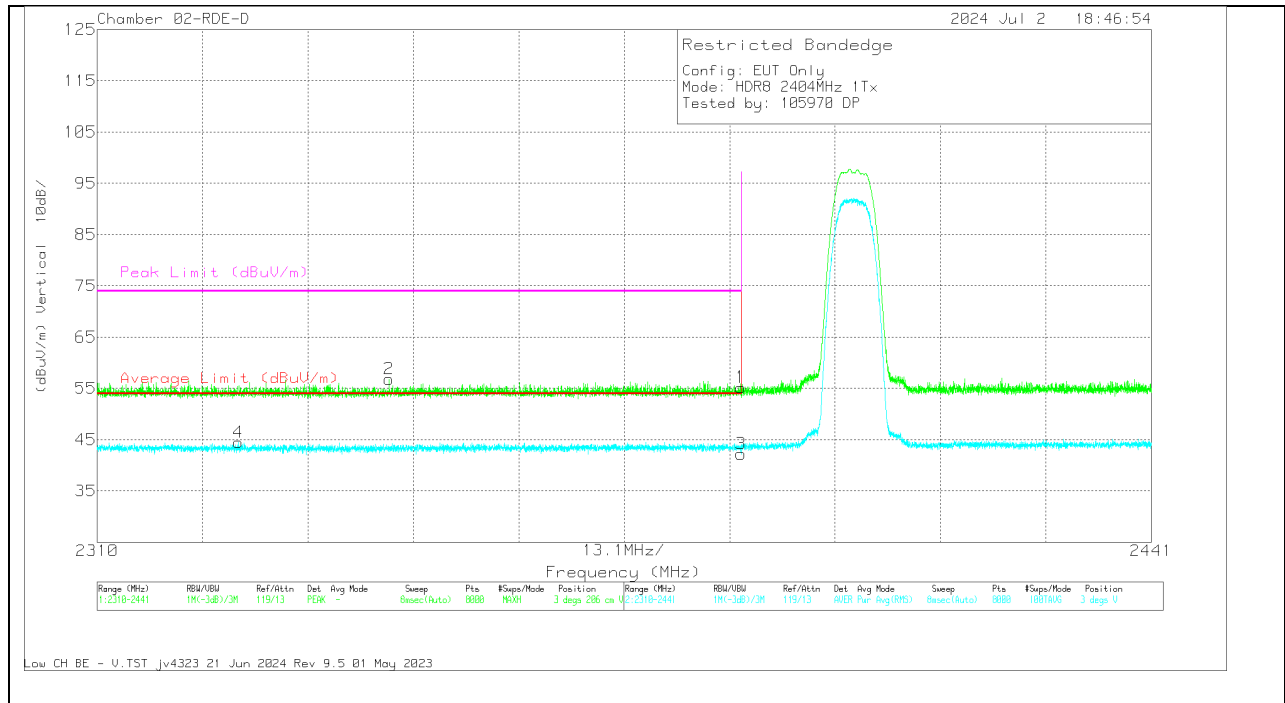
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.74	PK	32.2	-19.6	54.34	-	-	74	-19.66	321	166	H
2	* 2320.711	44.29	PK	32	-19.7	56.59	-	-	74	-17.41	321	166	H
3	* 2390	30.62	RMS	32.2	-19.6	43.22	54	-10.78	-	-	321	166	H
4	* 2389.166	32.09	RMS	32.2	-19.7	44.59	54	-9.41	-	-	321	166	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.6	Pk	32.2	-19.6	55.2	-	-	74	-18.8	3	206	V
2	* 2346.259	44.52	Pk	32	-19.7	56.82	-	-	74	-17.18	3	206	V
3	* 2390	29.64	RMS	32.2	-19.6	42.24	54	-11.76	-	-	3	206	V
4	* 2327.54	32.16	RMS	32	-19.7	44.46	54	-9.54	-	-	3	206	V

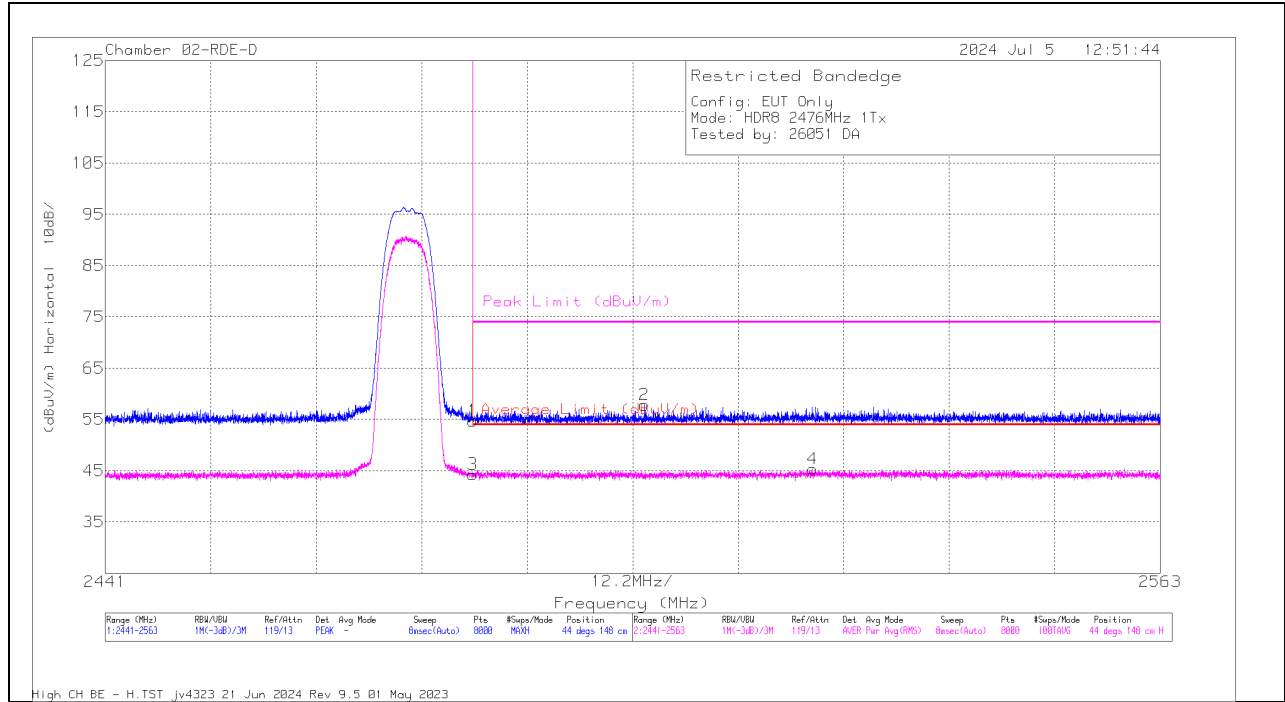
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



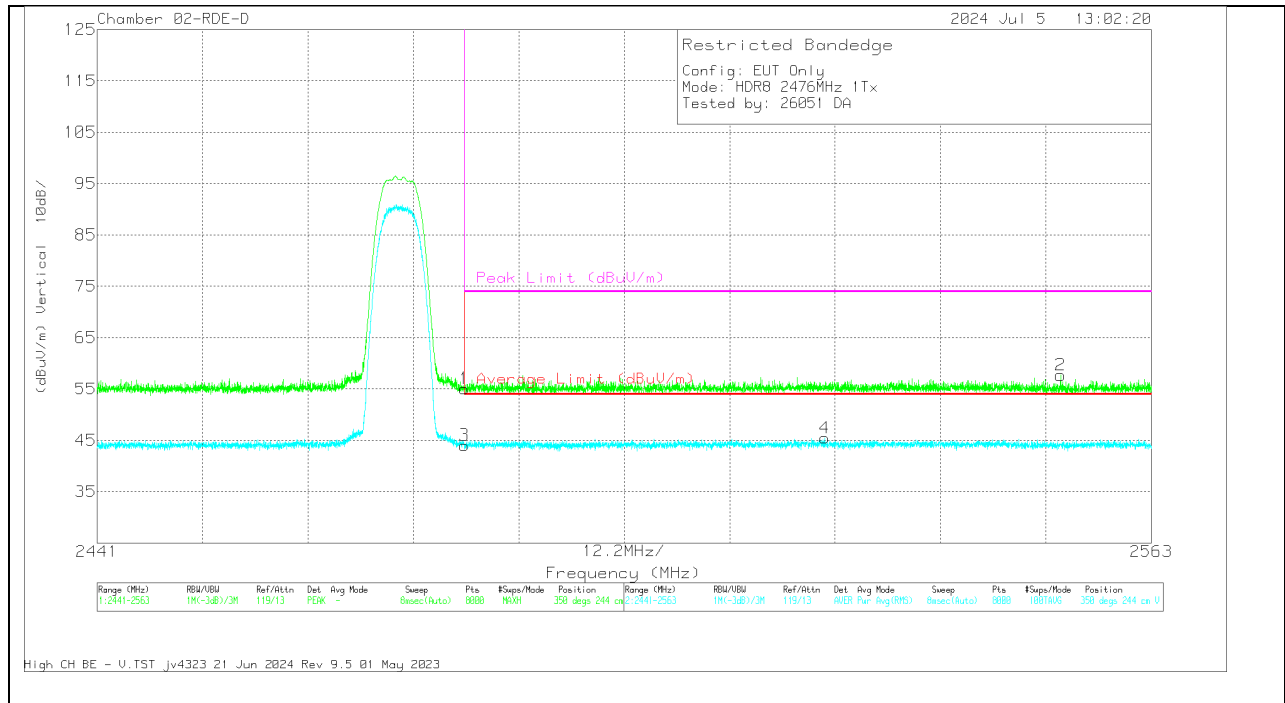
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	41.92	Pk	32.4	-19.6	54.72	-	-	74	-19.28	44	148	H
3	* 2483.5	31.45	RMS	32.4	-19.6	44.25	54	-9.75	-	-	44	148	H
2	2503.35	44.91	Pk	32.4	-19.5	57.81	-	-	74	-16.19	44	148	H
4	2522.796	32.14	RMS	32.4	-19.2	45.34	54	-8.66	-	-	44	148	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



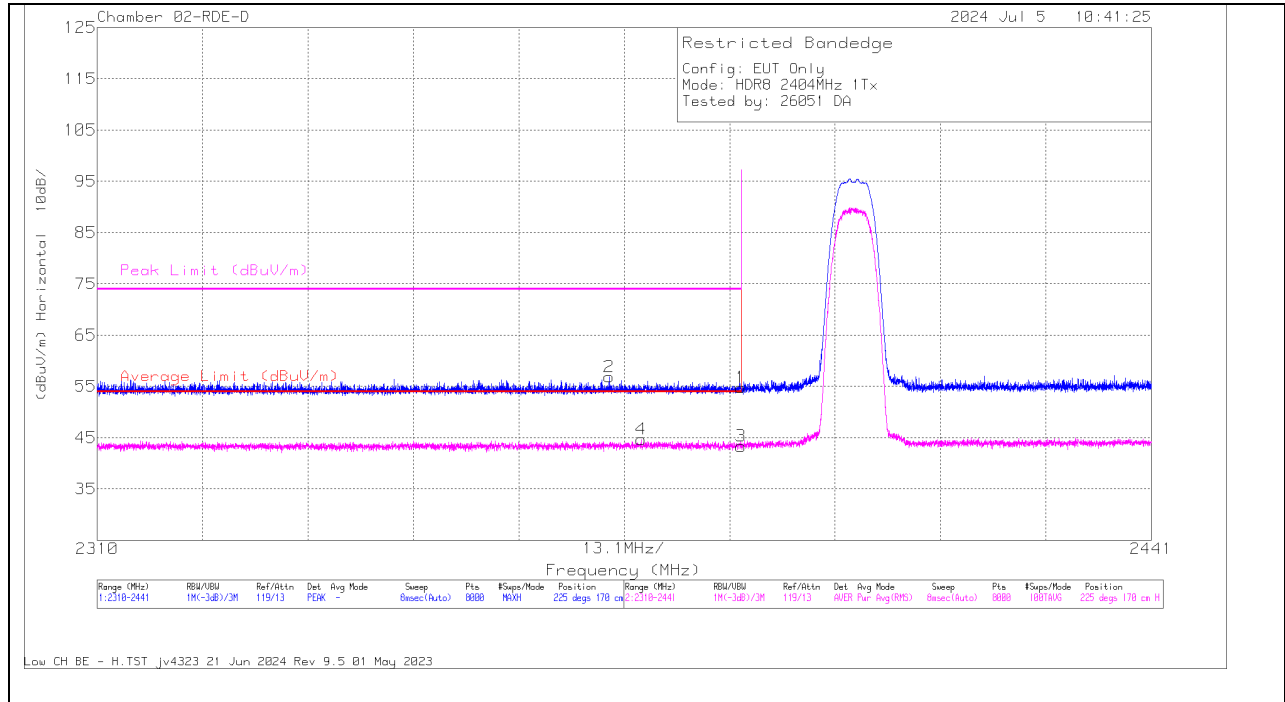
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dBm)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.24	Pk	32.4	-19.6	55.04	-	-	74	-18.96	350	244	V
3	* 2483.5	31.23	RMS	32.4	-19.6	44.03	54	-9.97	-	-	350	244	V
4	2525.222	32.36	RMS	32.4	-19.3	45.46	54	-8.54	-	-	350	244	V
2	2552.492	44.79	Pk	32.3	-19.4	57.69	-	-	74	-16.31	350	244	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

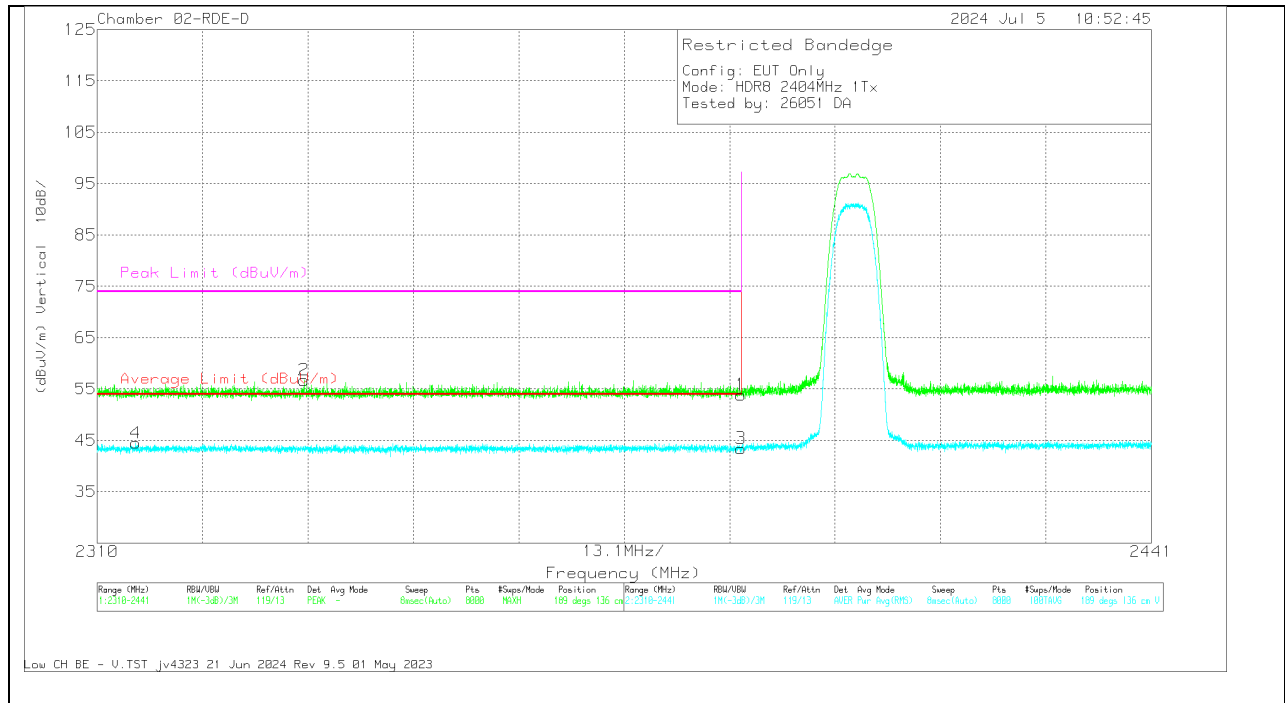
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.16	PK	32.2	-19.6	54.76	-	-	74	-19.24	225	170	H
2	* 2373.625	44.25	PK	32.2	-19.6	56.85	-	-	74	-17.15	225	170	H
3	* 2390	30.72	RMS	32.2	-19.6	43.32	54	-10.68	-	-	225	170	H
4	* 2377.604	32.17	RMS	32.2	-19.7	44.67	54	-9.33	-	-	225	170	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.23	Pk	32.2	-19.6	53.83	-	-	74	-20.17	189	136	V
2	* 2335.696	44.42	Pk	32	-19.7	56.72	-	-	74	-17.28	189	136	V
3	* 2390	30.82	RMS	32.2	-19.6	43.42	54	-10.58	-	-	189	136	V
4	* 2314.782	32.17	RMS	32	-19.7	44.47	54	-9.53	-	-	189	136	V

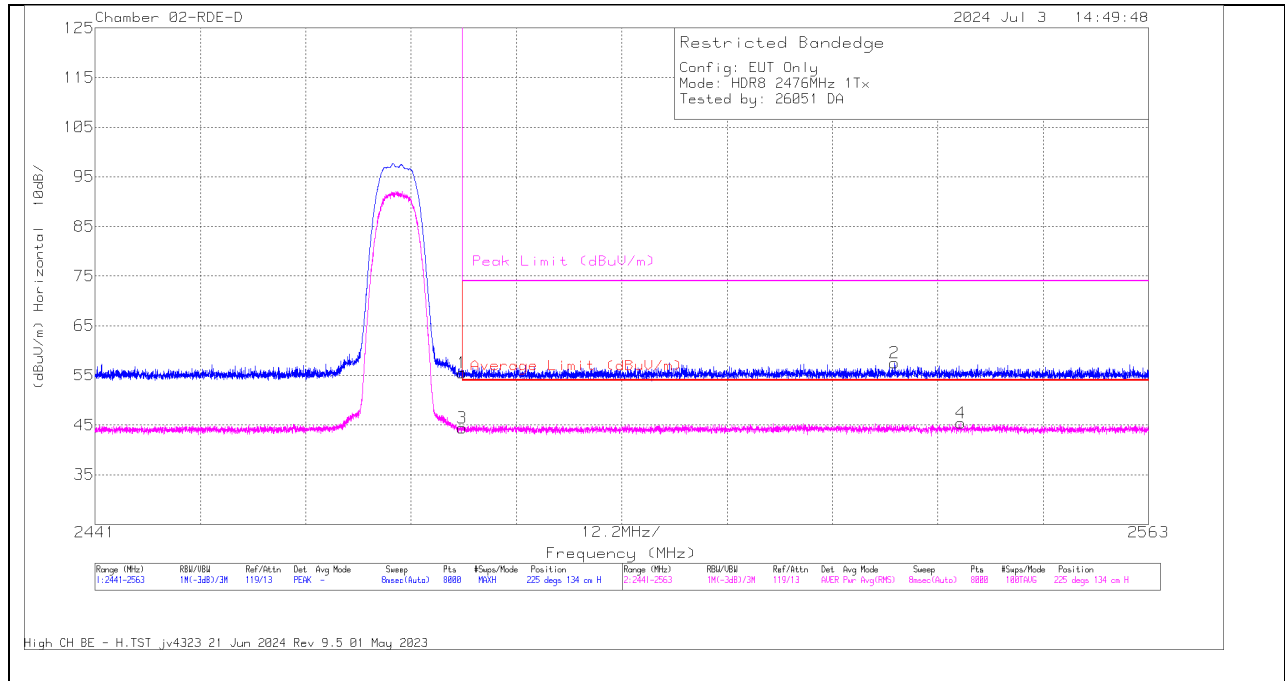
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



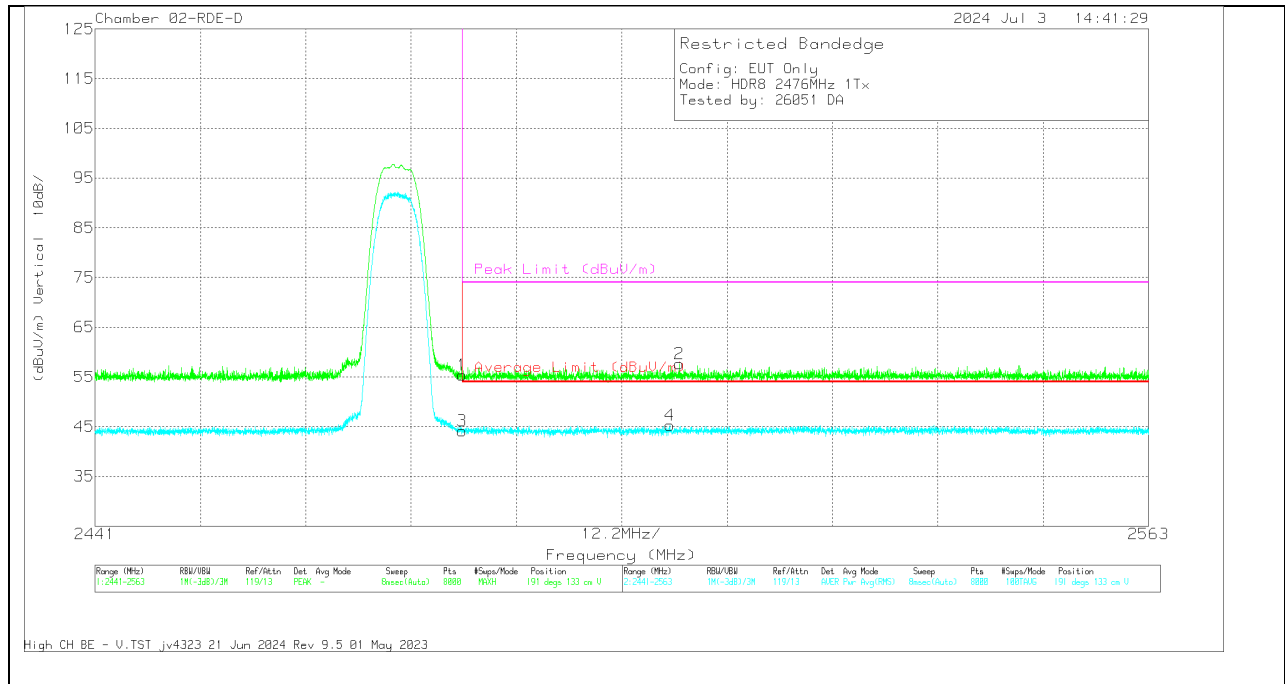
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.67	Pk	32.4	-19.6	55.47	-	-	74	-18.53	225	134	H
3	* 2483.5	31.64	RMS	32.4	-19.6	44.44	54	-9.56	-	-	225	134	H
2	2533.564	44.43	Pk	32.4	-19.3	57.53	-	-	74	-16.47	225	134	H
4	2541.267	32.39	RMS	32.4	-19.4	45.39	54	-8.61	-	-	225	134	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.59	Pk	32.4	-19.6	55.39	-	-	74	-18.61	191	133	V
3	* 2483.5	31.3	RMS	32.4	-19.6	44.1	54	-9.9	-	-	191	133	V
4	2507.575	32.31	RMS	32.4	-19.4	45.31	54	-8.69	-	-	191	133	V
2	2508.643	44.54	Pk	32.4	-19.3	57.64	-	-	74	-16.36	191	133	V

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

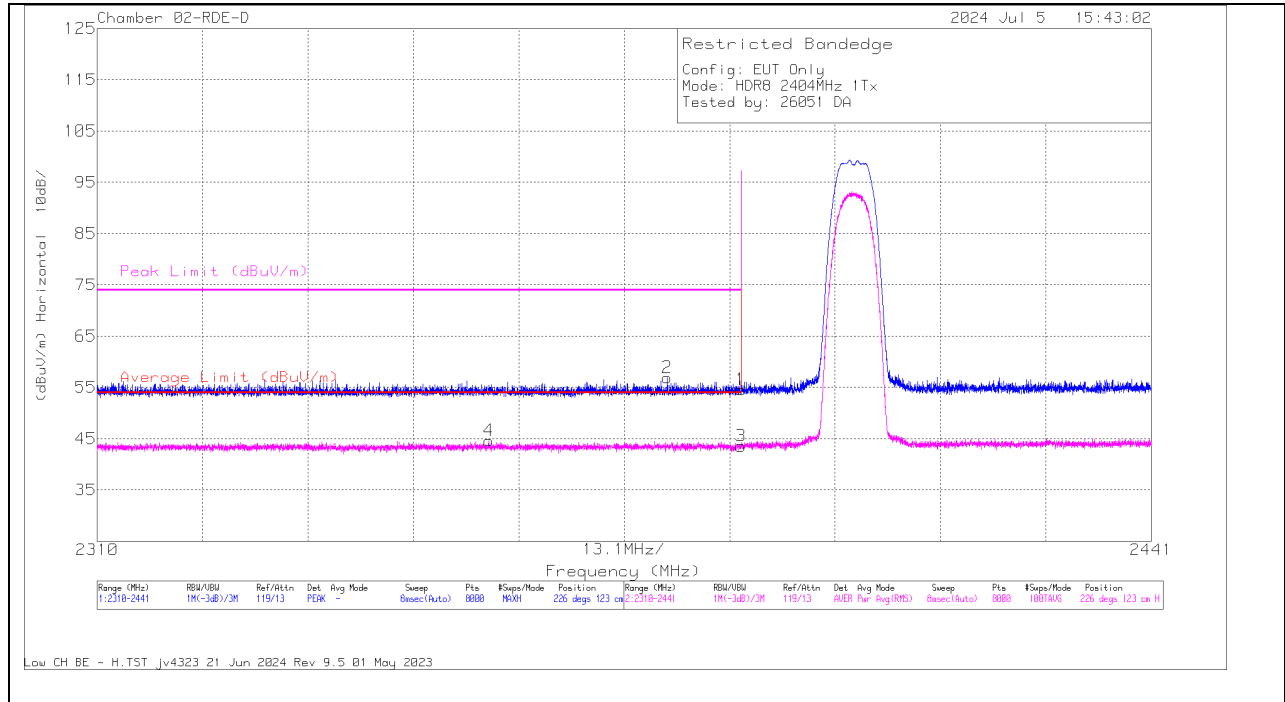
Pk - Peak detector

RMS - RMS detection

10.2.8. LOW POWER HDR TXBF (HDR8)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



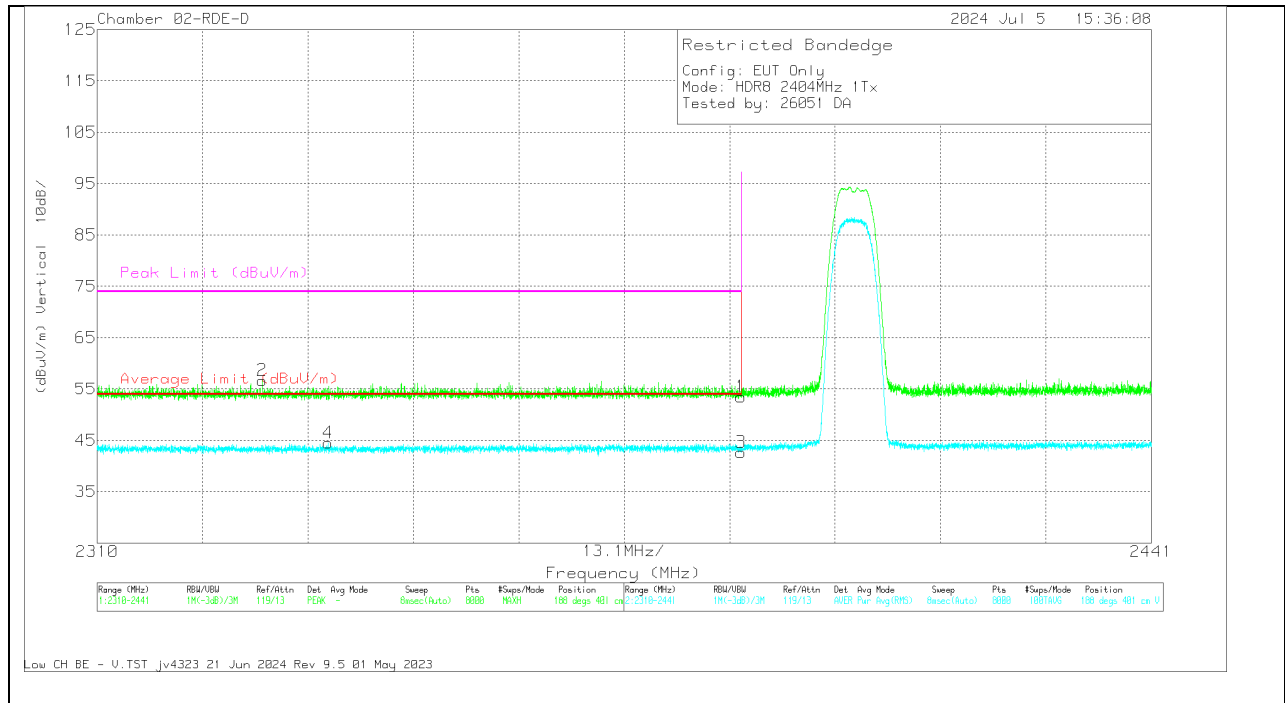
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.97	PK	32.2	-19.6	54.57	-	-	74	-19.43	226	123	H
2	* 2380.863	44.4	PK	32.2	-19.7	56.9	-	-	74	-17.1	226	123	H
3	* 2390	30.97	RMS	32.2	-19.6	43.57	54	-10.43	-	-	226	123	H
4	* 2358.689	32.22	RMS	32.1	-19.7	44.62	54	-9.38	-	-	226	123	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

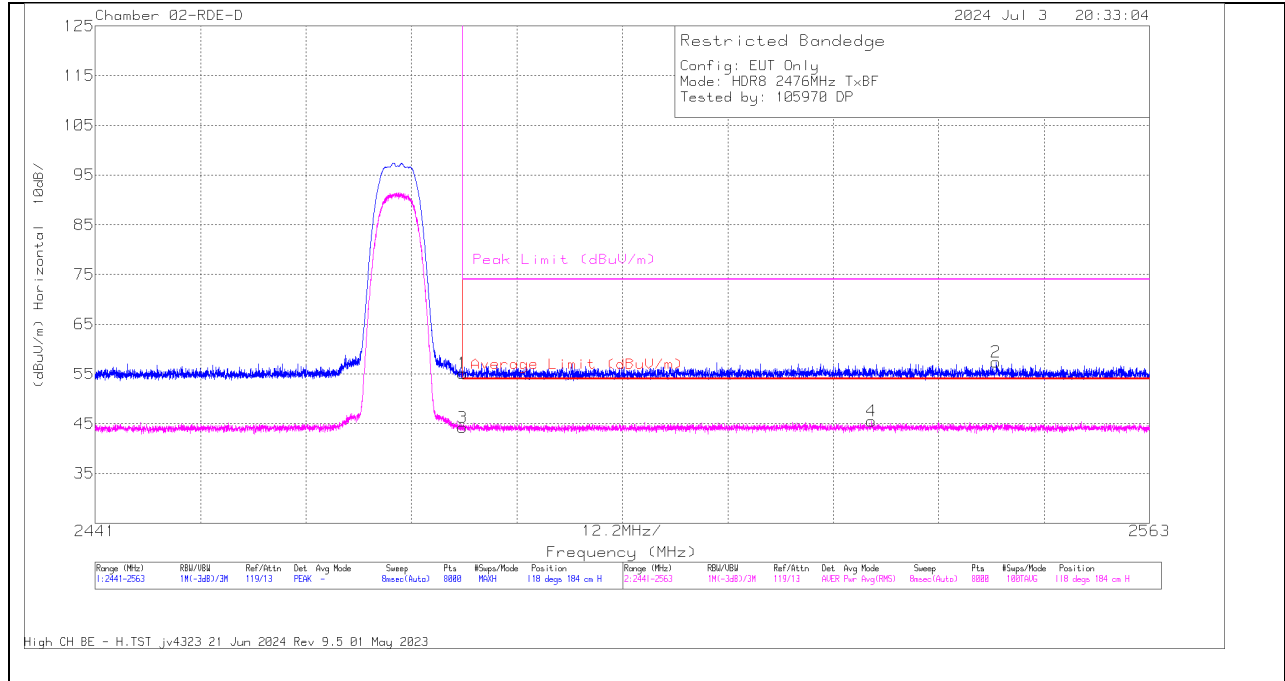


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	40.87	Pk	32.2	-19.6	53.47	-	-	74	-20.53	188	401	V
2	* 2330.504	44.38	Pk	32	-19.7	56.68	-	-	74	-17.32	188	401	V
3	* 2390	30.08	RMS	32.2	-19.6	42.68	54	-11.32	-	-	188	401	V
4	* 2338.676	32.21	RMS	32	-19.7	44.51	54	-9.49	-	-	188	401	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



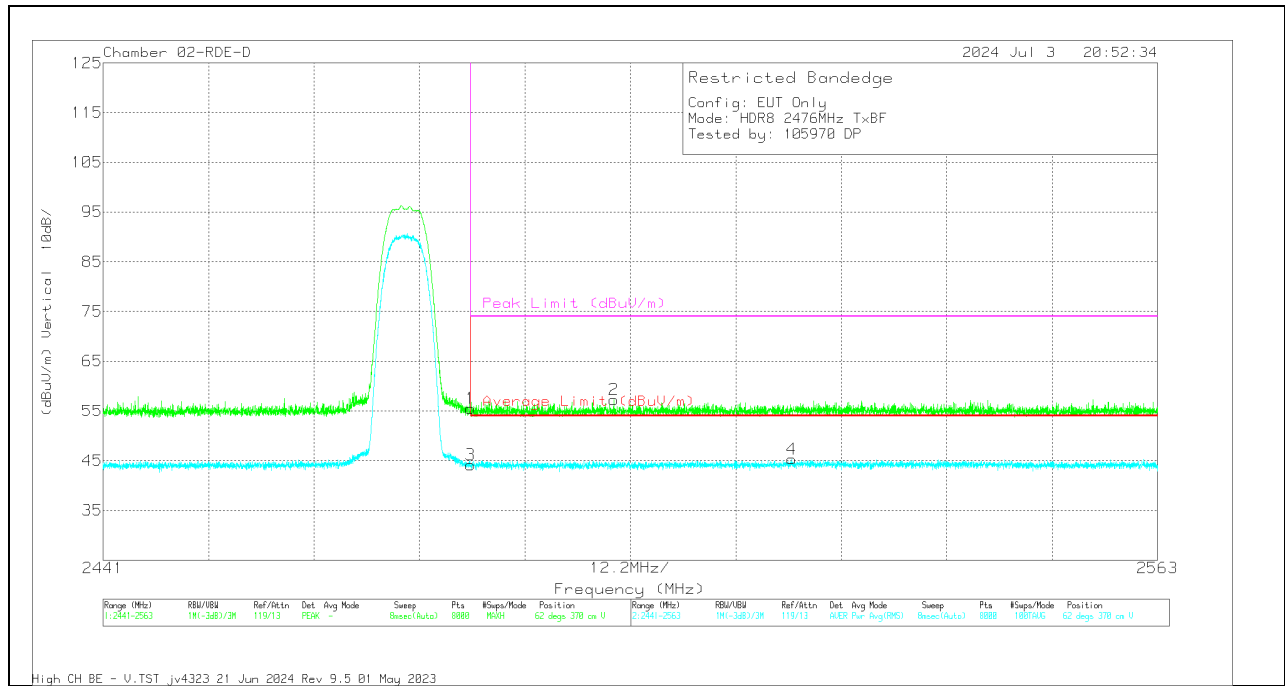
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.29	Pk	32.4	-19.6	55.09	-	-	74	-18.91	118	184	H
3	* 2483.5	31.42	RMS	32.4	-19.6	44.22	54	-9.78	-	-	118	184	H
4	2530.834	32.39	RMS	32.4	-19.3	45.49	54	-8.51	-	-	118	184	H
2	2545.263	44.33	Pk	32.4	-19.3	57.43	-	-	74	-16.57	118	184	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.67	Pk	32.4	-19.6	55.47	-	-	74	-18.53	62	370	V
3	* 2483.5	31.35	RMS	32.4	-19.6	44.15	54	-9.85	-	-	62	370	V
2	2500.071	44.42	Pk	32.4	-19.5	57.32	-	-	74	-16.68	62	370	V
4	2520.692	32.24	RMS	32.4	-19.3	45.34	54	-8.66	-	-	62	370	V

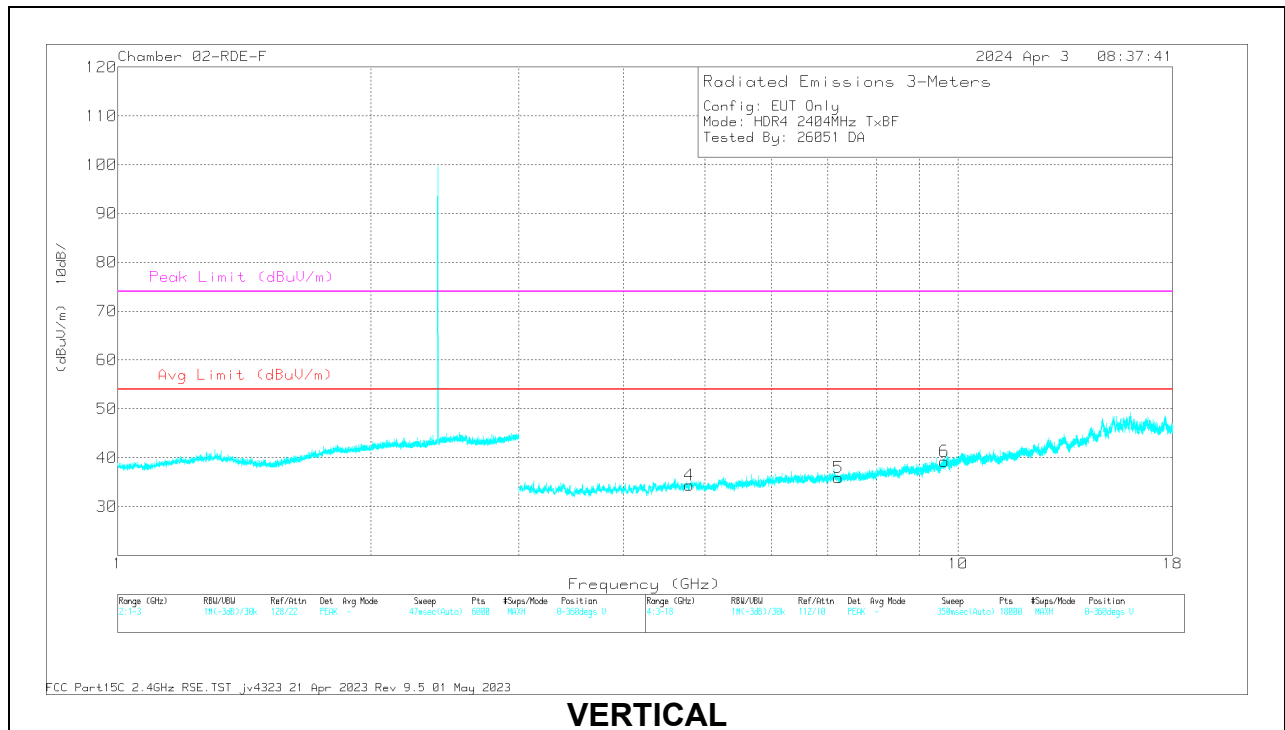
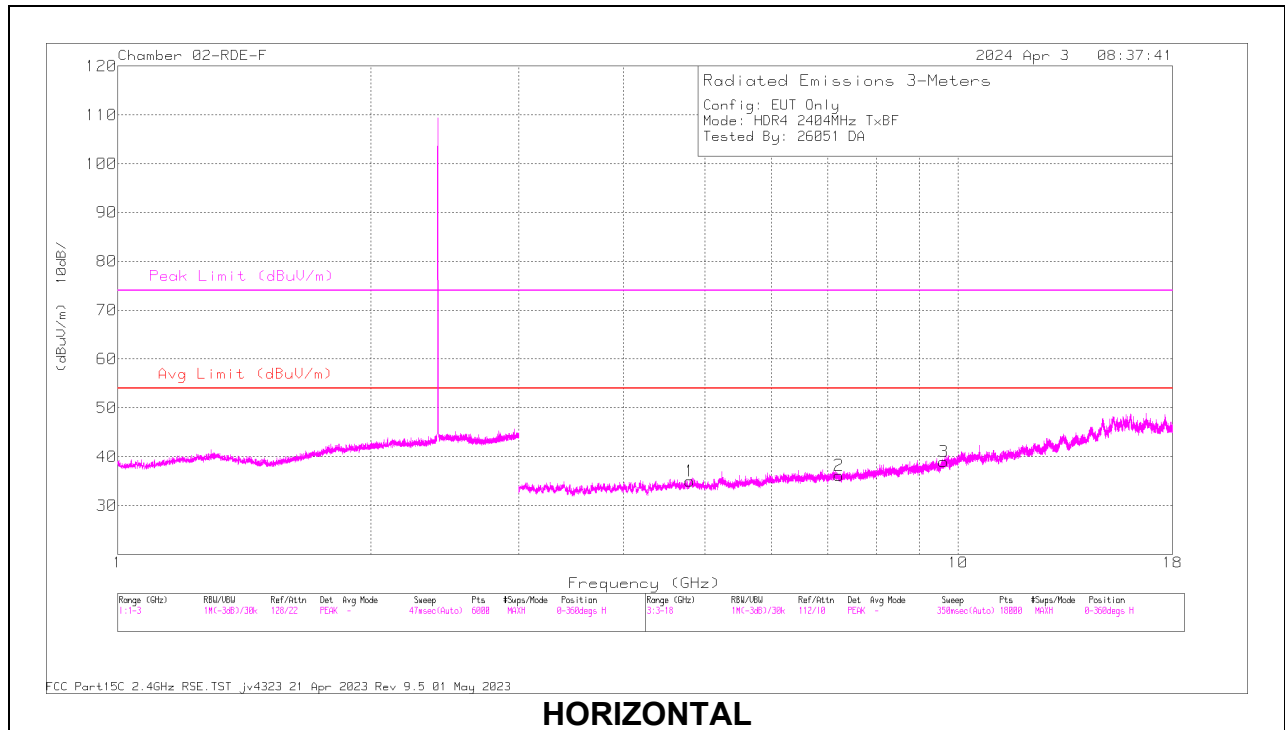
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.2.9. WORST CASE TXBF HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

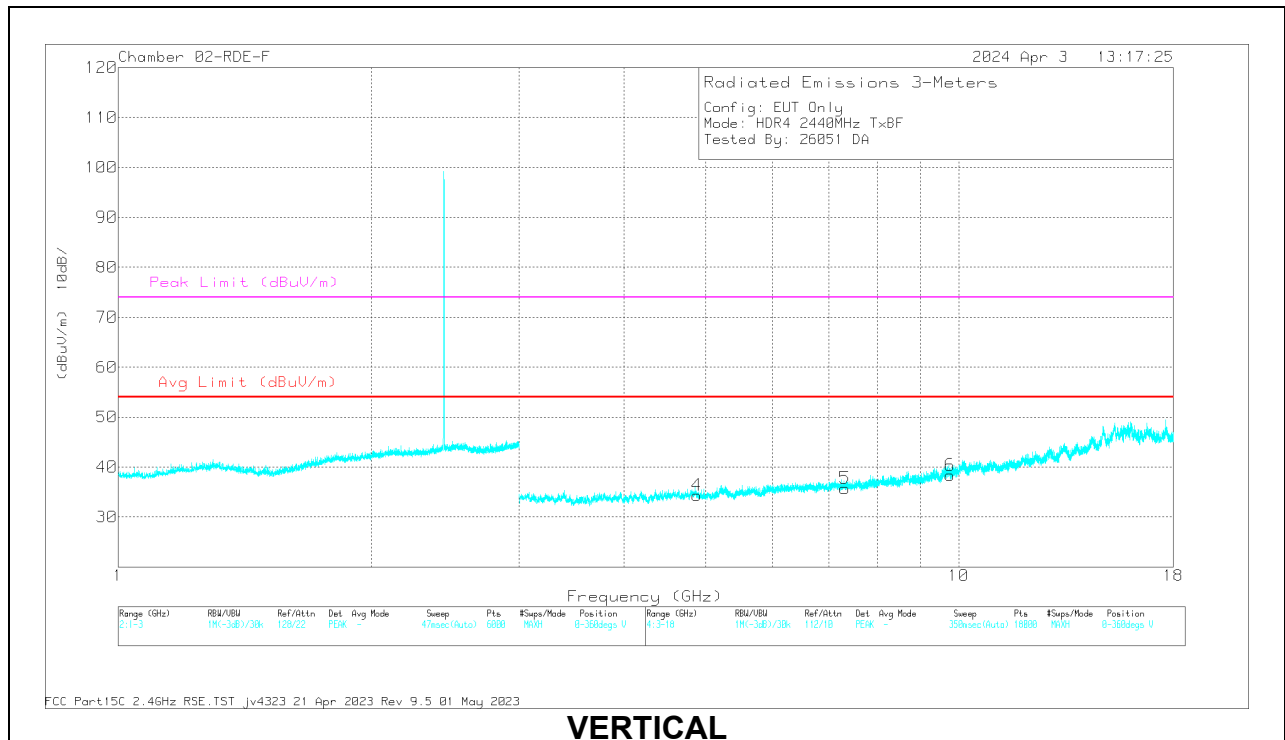
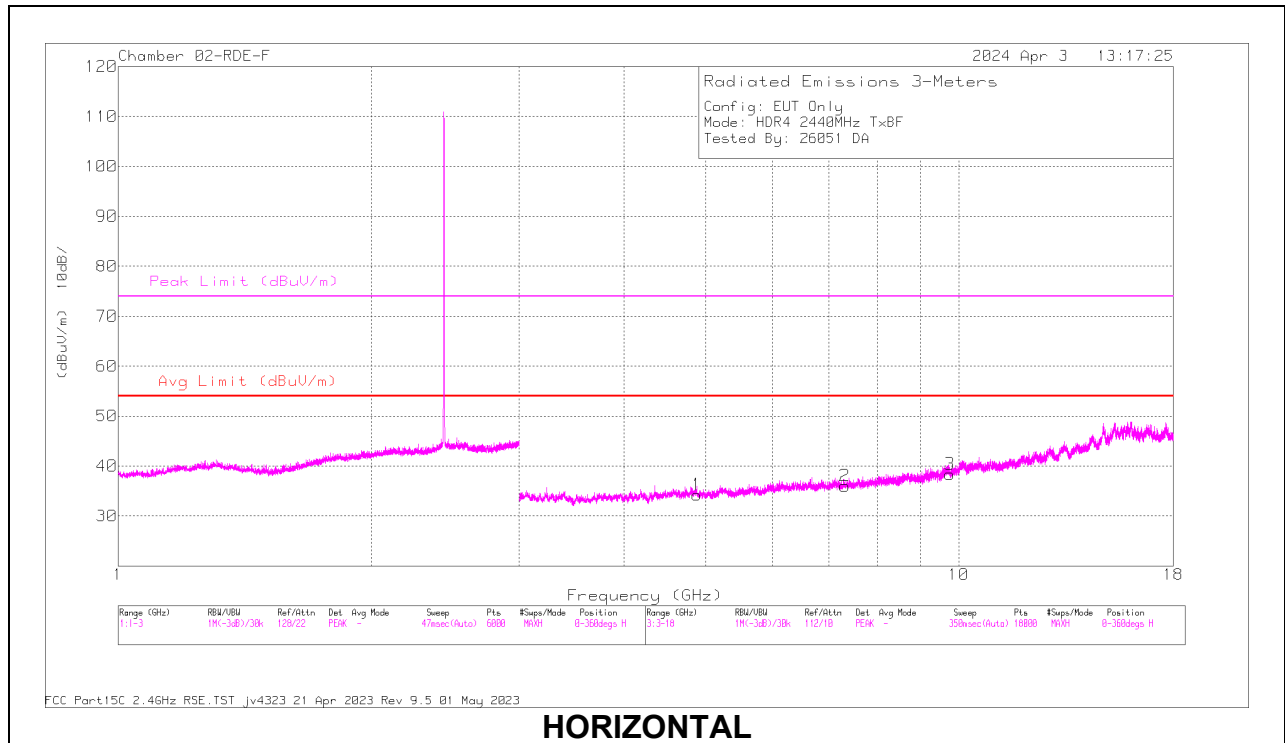
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.807134	57.26	PK2	34	-46.4	44.86	-	-	74	-29.14	0	200	H
1	* 4.807514	46.02	MAv1	34	-46.4	33.62	54	-20.38	-	-	0	200	H
4	* 4.806291	57.17	PK2	34	-46.4	44.77	-	-	74	-29.23	0	200	V
4	* 4.808414	45.92	MAv1	34	-46.4	33.52	54	-20.48	-	-	0	200	V
2	7.211649	55.54	PK2	35.6	-44.3	46.84	-	-	-	-	0	101	H
5	7.21177	55.17	PK2	35.6	-44.3	46.47	-	-	-	-	0	101	V
5	7.212225	43.5	MAv1	35.6	-44.3	34.8	-	-	-	-	0	101	V
2	7.212937	43.64	MAv1	35.6	-44.4	34.84	-	-	-	-	0	101	H
3	9.614781	44.16	MAv1	36.6	-43.7	37.06	-	-	-	-	0	101	H
6	9.615321	44.39	MAv1	36.6	-43.7	37.29	-	-	-	-	0	200	V
3	9.615337	55.81	PK2	36.6	-43.7	48.71	-	-	-	-	0	101	H
6	9.617608	56.55	PK2	36.6	-43.6	49.55	-	-	-	-	0	200	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

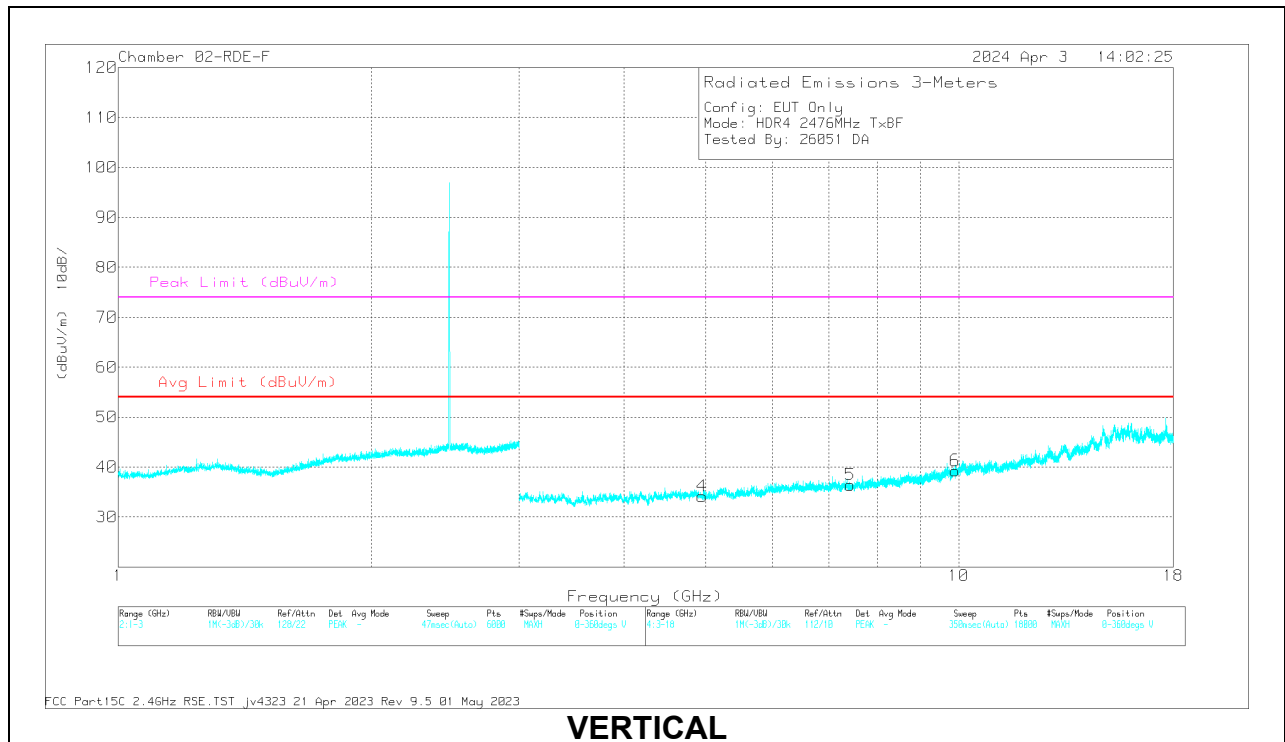
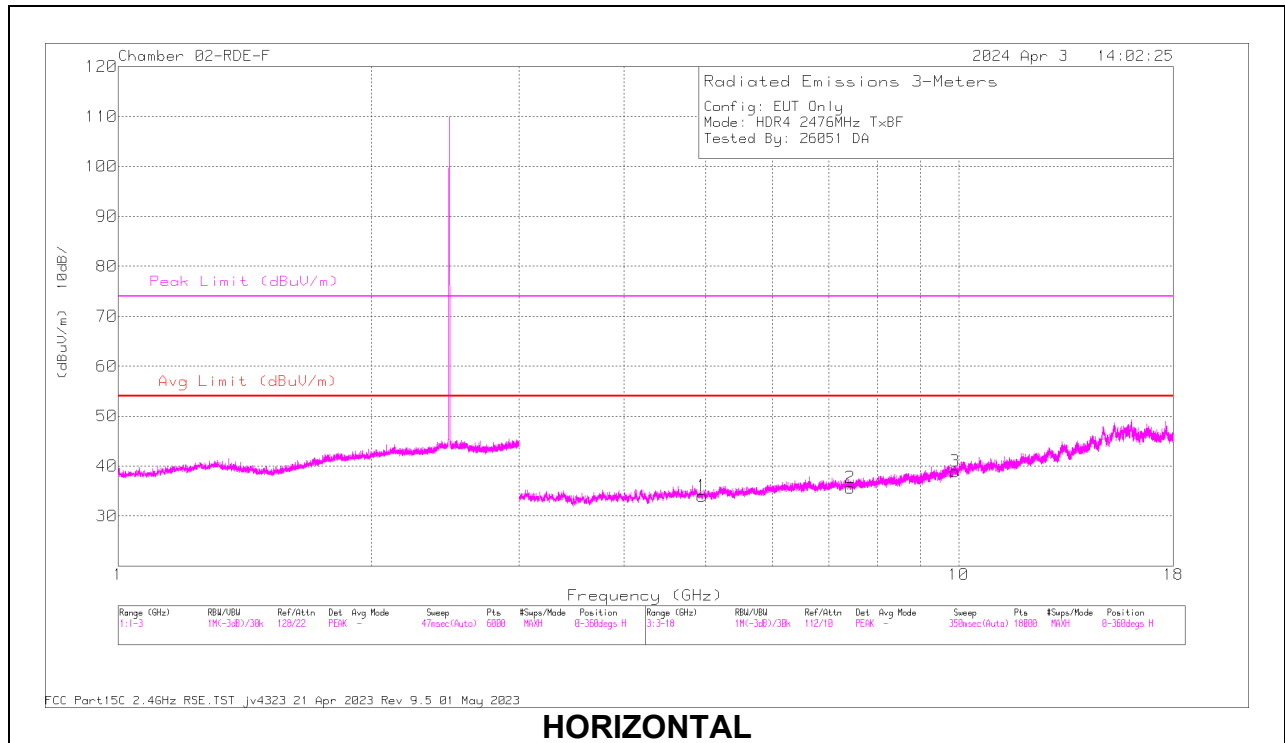
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.878689	56.63	PK2	33.9	-45.7	44.83	-	-	74	-29.17	0	101	H
1	* 4.879183	45.25	MAv1	33.9	-45.7	33.45	54	-20.55	-	-	0	101	H
2	* 7.320539	55.64	PK2	35.6	-44.4	46.84	-	-	74	-27.16	0	101	H
2	* 7.318783	43.95	MAv1	35.6	-44.3	35.25	54	-18.75	-	-	0	101	H
4	* 4.878999	57.33	PK2	33.9	-45.7	45.53	-	-	74	-28.47	0	200	V
4	* 4.880206	45.45	MAv1	33.9	-45.7	33.65	54	-20.35	-	-	0	200	V
5	* 7.321555	56.02	PK2	35.6	-44.4	47.22	-	-	74	-26.78	0	200	V
5	* 7.318444	44	MAv1	35.6	-44.3	35.3	54	-18.7	-	-	0	200	V
3	9.758414	44.16	MAv1	36.8	-42.9	38.06	-	-	-	-	0	200	H
6	9.758479	44.33	MAv1	36.8	-42.9	38.23	-	-	-	-	0	101	V
6	9.759297	55.64	PK2	36.8	-43.1	49.34	-	-	-	-	0	101	V
3	9.760239	56.01	PK2	36.8	-43.3	49.51	-	-	-	-	0	200	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.951661	56.76	PK2	33.9	-45.9	44.76	-	-	74	-29.24	2	101	H
1	* 4.95137	45.1	MAv1	33.9	-45.9	33.1	54	-20.9	-	-	2	101	H
2	* 7.429907	55.62	PK2	35.6	-44.3	46.92	-	-	74	-27.08	2	199	H
2	* 7.428009	43.93	MAv1	35.6	-44.3	35.23	54	-18.77	-	-	2	199	H
4	* 4.951347	56.73	PK2	33.9	-45.9	44.73	-	-	74	-29.27	2	101	V
4	* 4.95177	45	MAv1	33.9	-45.9	33	54	-21	-	-	2	101	V
5	* 7.428205	55.38	PK2	35.6	-44.3	46.68	-	-	74	-27.32	2	200	V
5	* 7.427289	44.05	MAv1	35.6	-44.4	35.25	54	-18.75	-	-	2	200	V
6	9.9024	45.17	MAv1	37.1	-44	38.27	-	-	-	-	2	200	V
3	9.902515	45.15	MAv1	37.1	-44	38.25	-	-	-	-	2	199	H
6	9.903943	56.26	PK2	37.1	-43.8	49.56	-	-	-	-	2	200	V
3	9.905579	56.76	PK2	37.1	-43.9	49.96	-	-	-	-	2	199	H

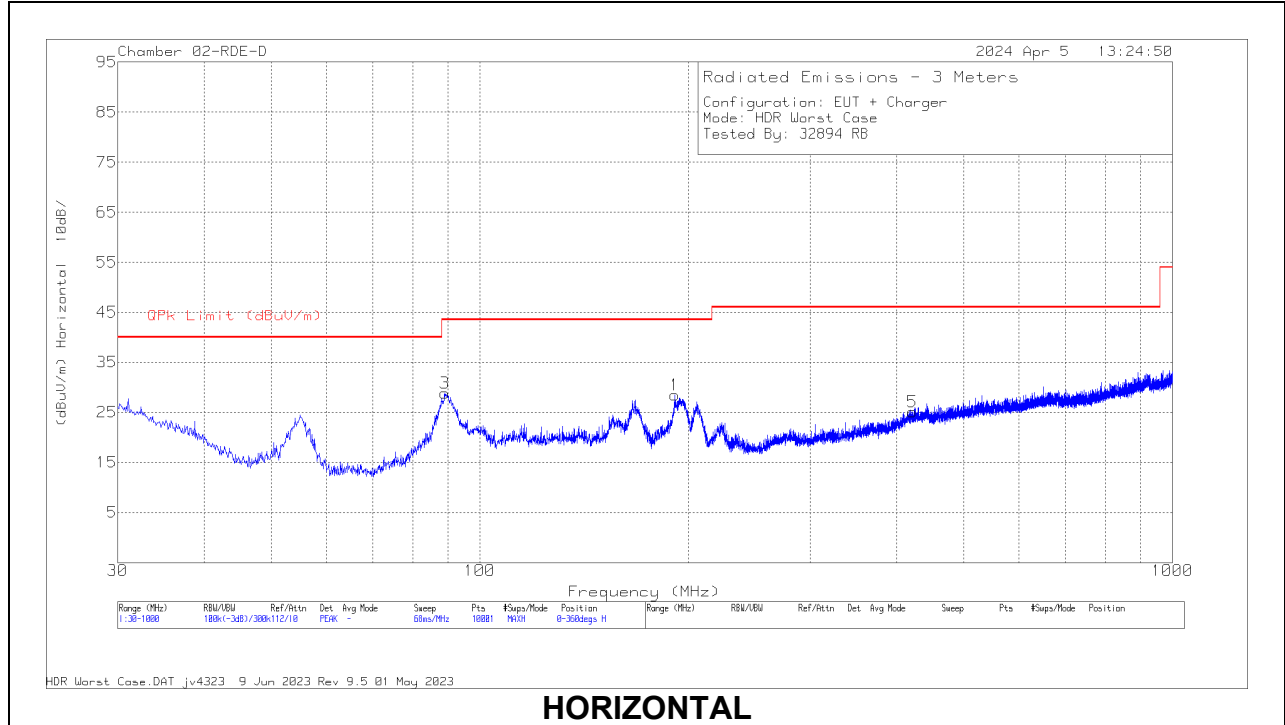
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

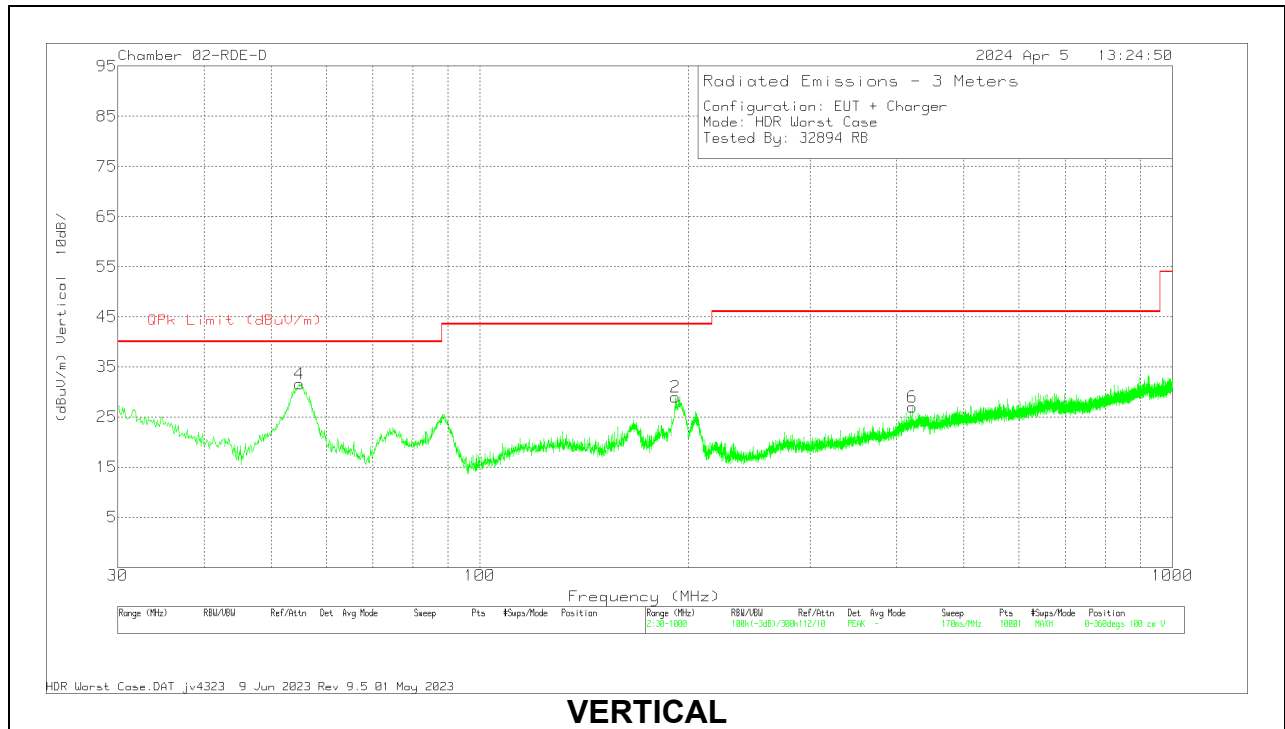
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. WORST CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



HORIZONTAL



VERTICAL

Below 1GHz Data

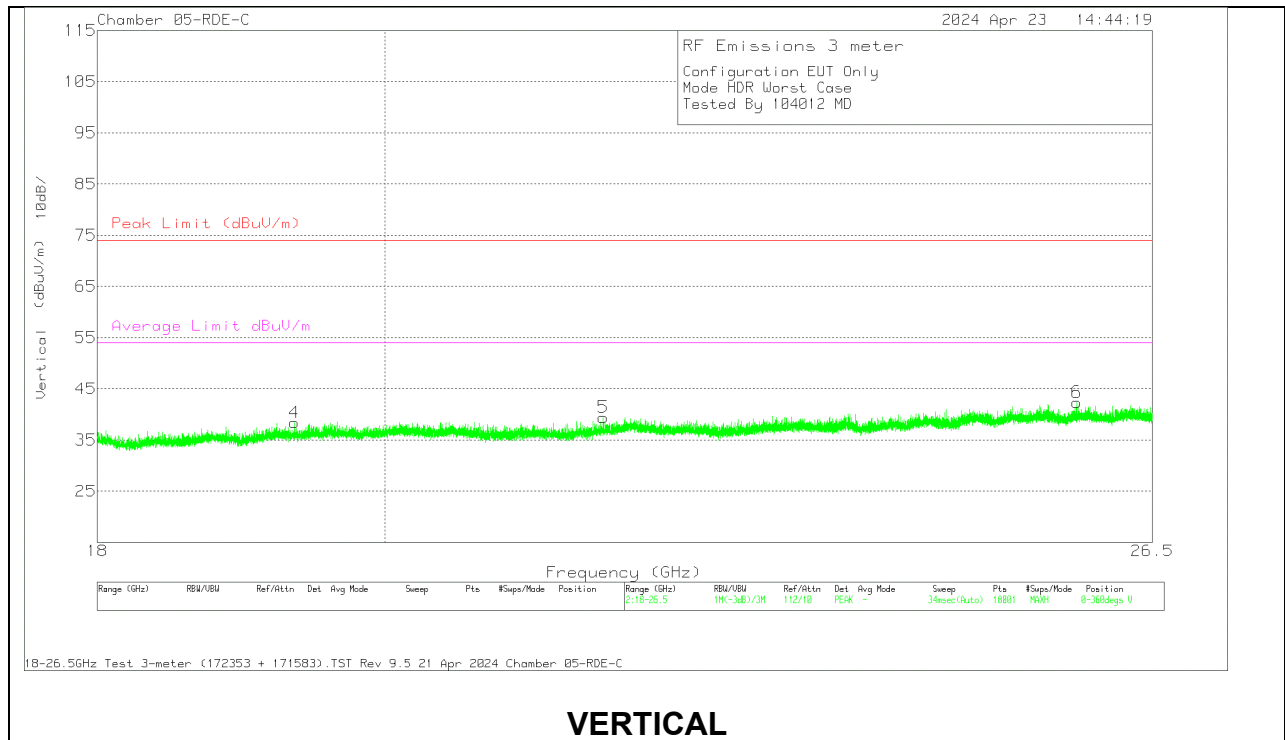
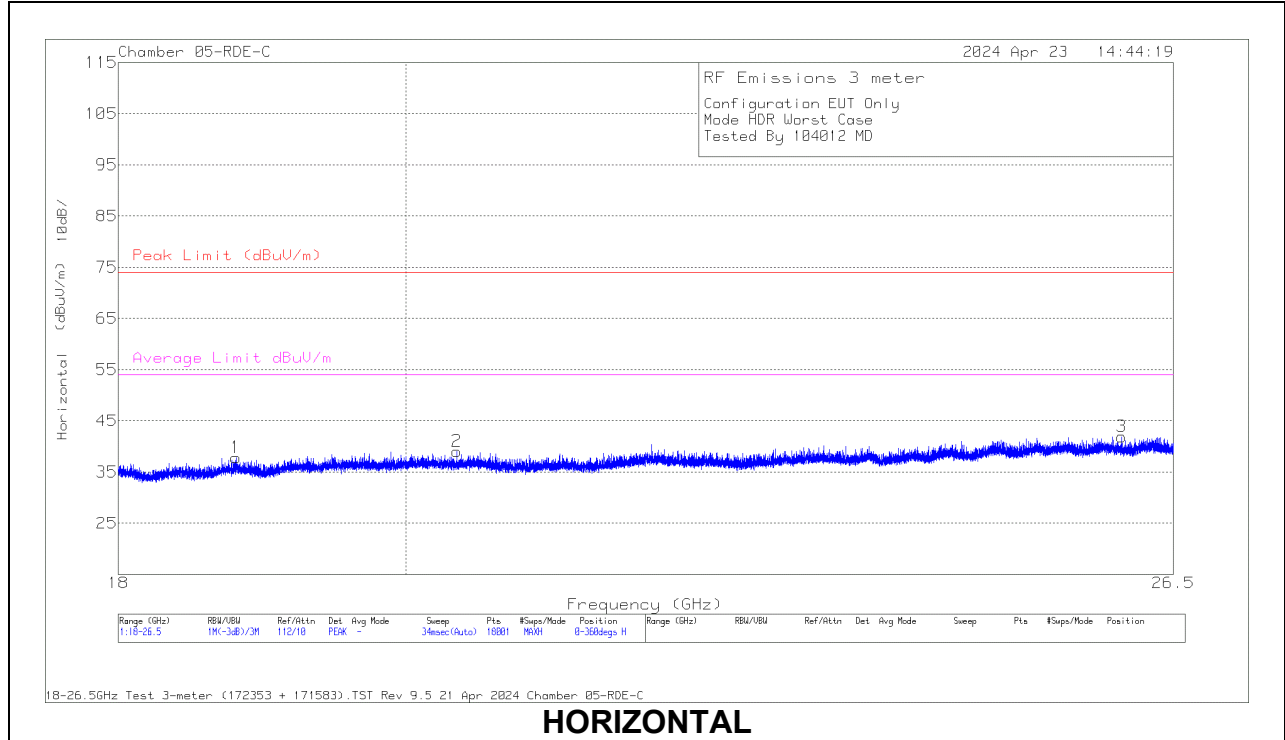
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	85151 ACF (dB/m)	Cbl(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	54.929	49.41	Pk	13.2	-31	31.61	40	-8.39	0-360	100	V
	54.929	39.85	Qp	13.2	-31.1	21.95	40	-18.05	214	102	V
3	88.976	45.84	Pk	13.7	-30.7	28.84	43.52	-14.68	0-360	299	H
1	191.311	40.86	Pk	17.3	-29.7	28.46	43.52	-15.06	0-360	199	H
2	191.602	41.35	Pk	17.4	-29.8	28.95	43.52	-14.57	0-360	100	V
5	421.201	31.06	Pk	22.2	-28.2	25.06	46.02	-20.96	0-360	400	H
6	421.395	33.05	Pk	22.2	-28.3	26.95	46.02	-19.07	0-360	100	V

Pk - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHz

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172353 ACF (dB/m) - 3mH	171583 Amp Assembly (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	18.793805	57.84	Pk	32.8	-65.5	12.7	37.84	74	-36.16	54	-16.16	0-360	200	H
4	19.349138	58.1	Pk	33.1	-65.5	12.7	38.4	74	-35.6	54	-15.60	0-360	199	V
2	20.379527	56.67	Pk	33.3	-64	13.1	39.07	74	-34.93	54	-14.93	0-360	101	H
5	21.668693	57.02	Pk	33.6	-64.9	13.7	39.42	74	-34.58	54	-14.58	0-360	101	V
6	25.777969	55.96	Pk	34.6	-63.1	14.9	42.36	74	-31.64	54	-11.64	0-360	199	V
3	26.004635	55.41	Pk	34.8	-63.3	15	41.91	74	-32.09	54	-12.09	0-360	101	H

PK - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

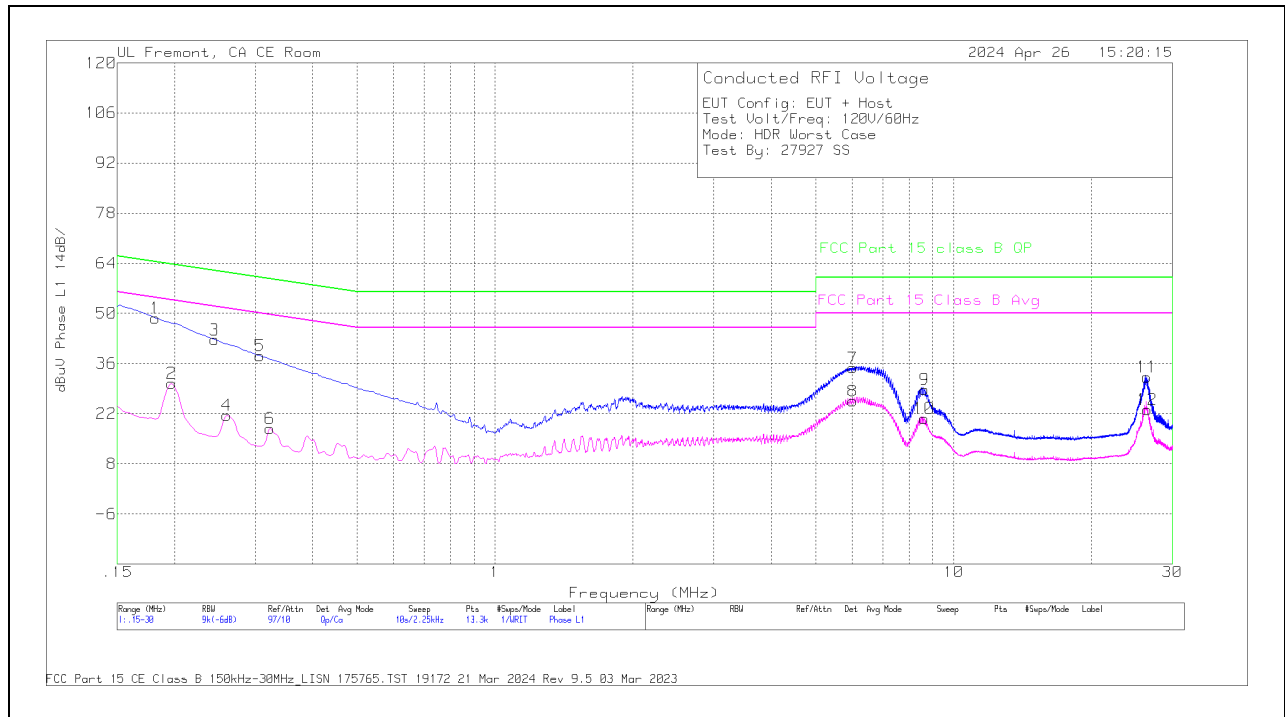
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1. AC POWER LINE WITH LAPTOP

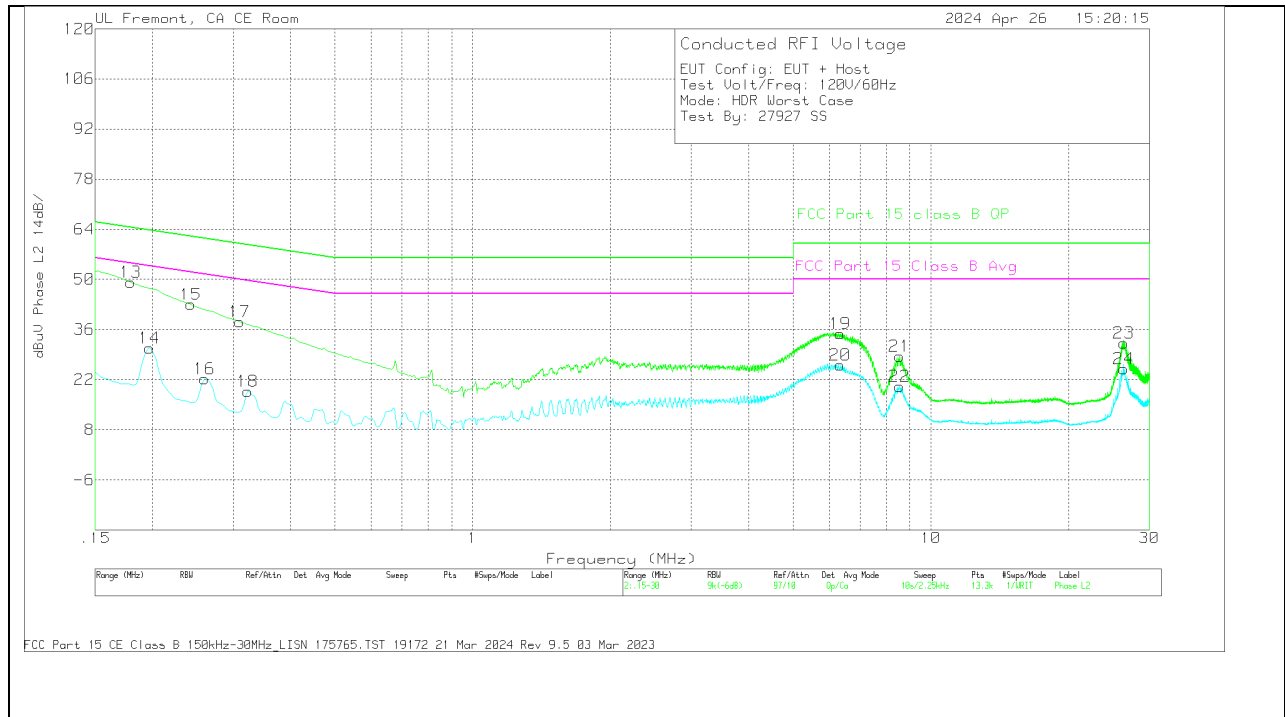
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz													
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)	
2	.1973	10.82	Ca	.1	.1	9.4	10	30.42	53.73	-23.31	-	-	
4	.2603	2.15	Ca	0	0	9.4	10	21.55	51.42	-29.87	-	-	
6	.3233	-1.68	Ca	.1	0	9.4	10	17.82	49.62	-31.8	-	-	
8	6.027	6.08	Ca	.1	0	9.3	10	25.48	50	-24.52	-	-	
10	8.6291	1.06	Ca	.2	0	9.4	10	20.66	50	-29.34	-	-	
12	26.4098	3.26	Ca	.3	.2	9.4	10	23.16	50	-26.84	-	-	
1	.1815	29.14	Qp	.1	.1	9.4	10	48.74	-	-	64.42	-15.68	
3	.2445	23.24	Qp	0	0	9.4	10	42.64	-	-	61.94	-19.3	
5	.3075	18.65	Qp	.1	0	9.4	10	38.15	-	-	60.04	-21.89	
7	6.0338	15.35	Qp	.1	0	9.3	10	34.75	-	-	60	-25.25	
9	8.6415	9.1	Qp	.2	0	9.4	10	28.7	-	-	60	-31.3	
11	26.403	12.27	Qp	.3	.2	9.4	10	32.17	-	-	60	-27.83	

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS

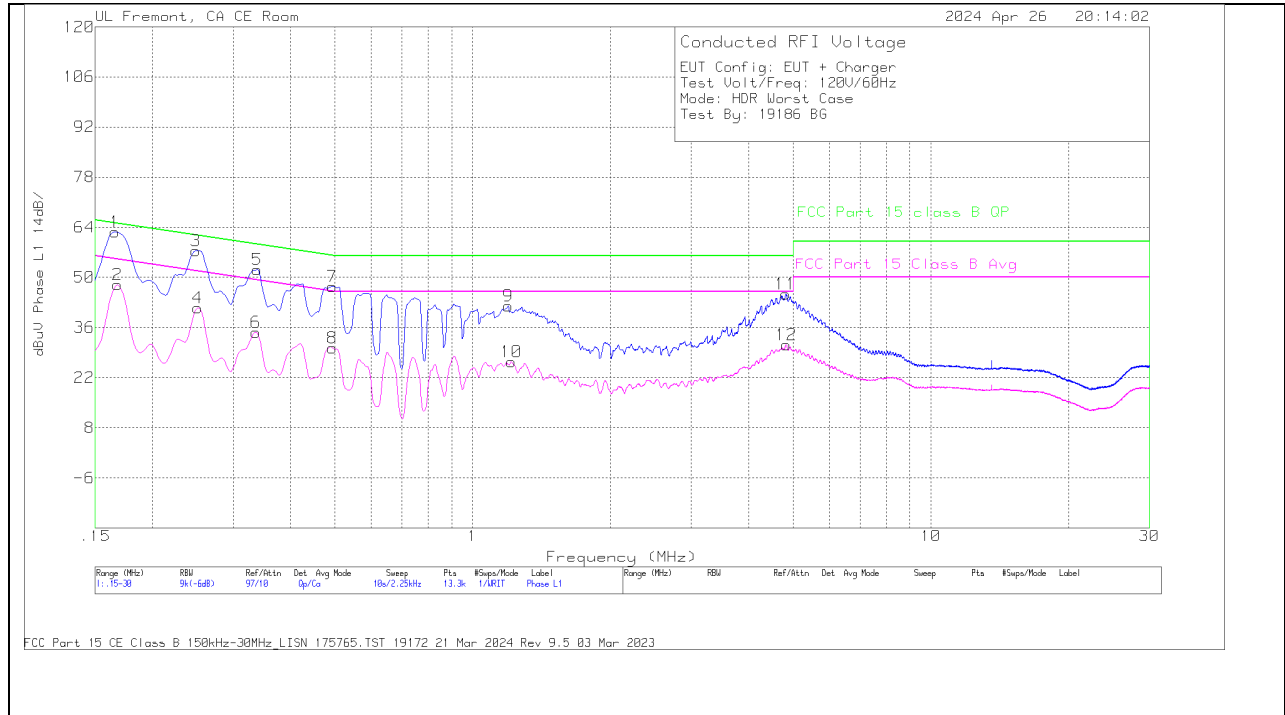


Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
14	.1973	11.34	Ca	.1	0	9.4	10	30.84	53.73	-22.89	-	-
16	.2603	2.77	Ca	0	0	9.4	10	22.17	51.42	-29.25	-	-
18	.3233	-7.71	Ca	.1	0	9.4	10	18.79	49.62	-30.83	-	-
20	6.3409	6.4	Ca	.2	0	9.5	10	26.1	50	-23.9	-	-
22	8.538	.51	Ca	.2	0	9.4	10	20.11	50	-29.89	-	-
24	26.3693	5.09	Ca	.3	.2	9.5	10	25.09	50	-24.91	-	-
13	.1793	29.75	Qp	.1	0	9.4	10	49.25	-	-	64.52	-15.27
15	.2423	23.6	Qp	0	0	9.4	10	43	-	-	62.02	-19.02
17	.3098	18.69	Qp	.1	0	9.4	10	38.19	-	-	59.98	-21.79
19	6.3431	15.12	Qp	.2	0	9.5	10	34.82	-	-	60	-25.18
21	8.538	8.97	Qp	.2	0	9.4	10	28.57	-	-	60	-31.43
23	26.3715	12.18	Qp	.3	.2	9.5	10	32.18	-	-	60	-27.82

Qp - Quasi-Peak detector
 Ca - CISPR average detection

11.2. AC POWER LINE WITH AC/DC ADAPTER

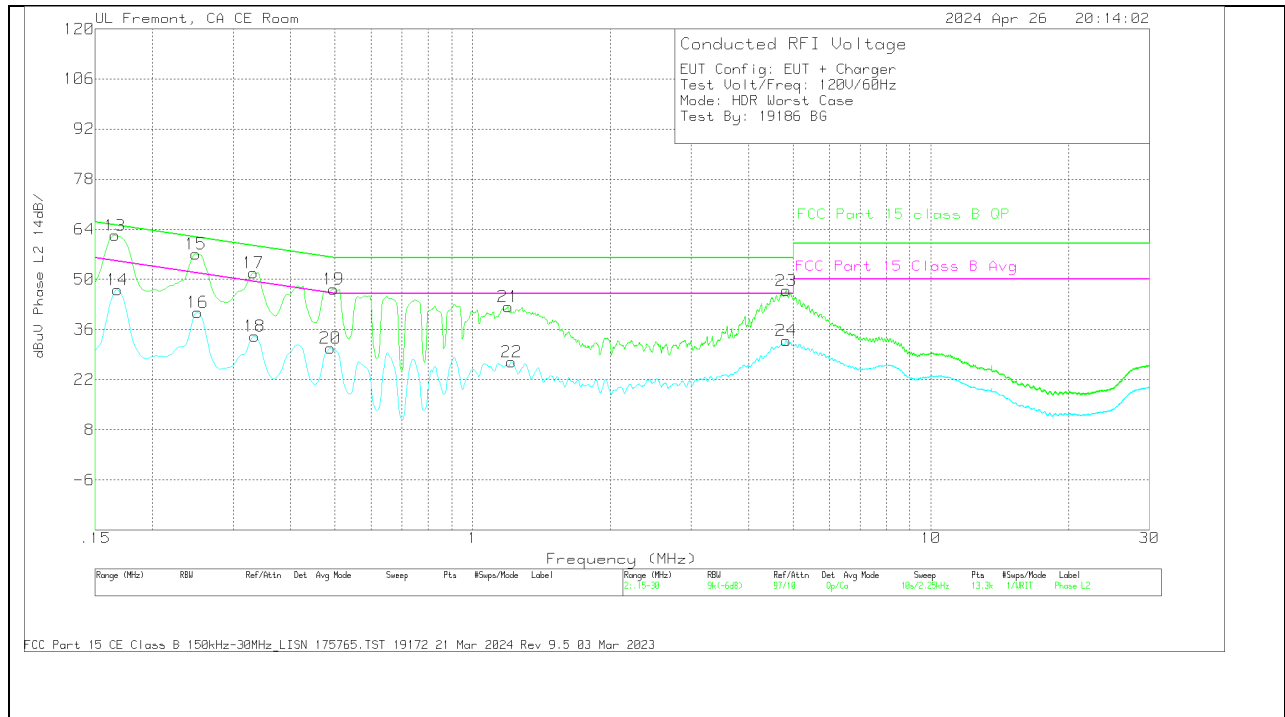
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trms Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
2	.168	28.33	Ca	0	.1	9.5	10	47.93	55.06	-7.13	-	-
4	.2513	22.04	Ca	0	0	9.4	10	41.44	51.72	-10.28	-	-
6	.3368	15.32	Ca	0	0	9.4	10	34.72	49.28	-14.56	-	-
8	.4943	10.94	Ca	0	0	9.3	10	30.24	46.1	-15.86	-	-
10	1.2143	6.9	Ca	.1	0	9.4	10	26.4	46	-19.6	-	-
12	4.8368	11.57	Ca	.2	0	9.4	10	31.17	46	-14.83	-	-
1	.1658	43.06	Qp	0	.1	9.5	10	62.66	-	-	65.17	-2.51
3	.249	38.08	Qp	0	0	9.4	10	57.48	-	-	61.79	-4.31
5	.339	32.73	Qp	0	0	9.4	10	52.13	-	-	59.23	-7.1
7	.4943	28.17	Qp	0	0	9.3	10	47.47	-	-	56.1	-8.63
9	1.1963	22.5	Qp	.1	0	9.4	10	42	-	-	56	-14
11	4.8255	25.78	Qp	.2	0	9.4	10	45.38	-	-	56	-10.62

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
14	.168	27.57	Ca	0	.1	9.5	10	47.17	55.06	-7.89	-	-
16	.2513	21.44	Ca	0	0	9.4	10	40.84	51.72	-10.88	-	-
18	.3345	14.69	Ca	.1	0	9.4	10	34.19	49.34	-15.15	-	-
20	.4898	11.47	Ca	0	0	9.3	10	30.77	46.17	-15.4	-	-
22	1.2165	7.52	Ca	.1	0	9.4	10	27.02	46	-18.98	-	-
24	4.8323	13.32	Ca	.2	0	9.4	10	32.92	46	-13.08	-	-
13	.1658	42.67	Qp	0	.1	9.5	10	62.27	-	-	65.17	-2.9
15	.249	37.68	Qp	0	0	9.4	10	57.08	-	-	61.79	-4.71
17	.3323	32.34	Qp	.1	0	9.4	10	51.84	-	-	59.39	-7.55
19	.4965	28	Qp	0	0	9.3	10	47.3	-	-	56.06	-8.76
21	1.1963	22.91	Qp	.1	0	9.4	10	42.41	-	-	56	-13.59
23	4.8323	27.25	Qp	.2	0	9.4	10	46.85	-	-	56	-9.15

Qp - Quasi-Peak detector
 Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14982479-EP1V1 for setup photos

END OF TEST REPORT