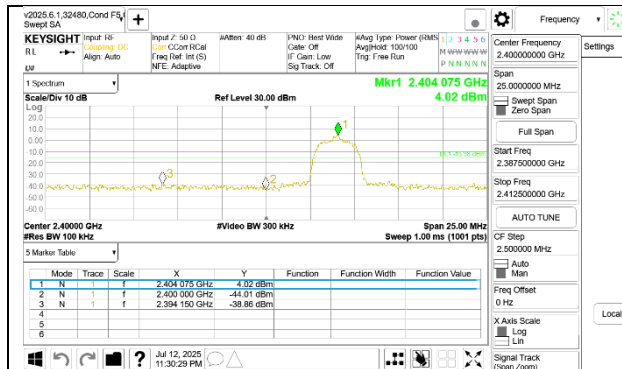
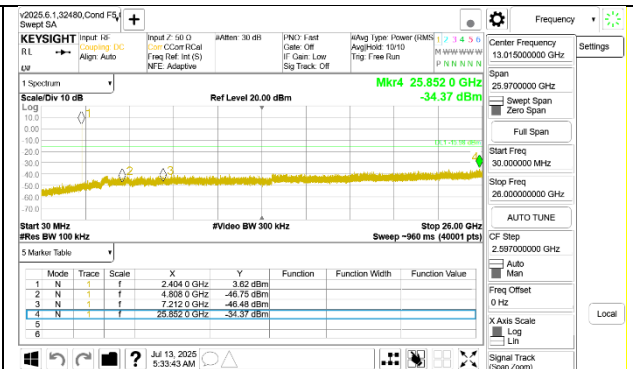


9.7.7. LOW POWER HDR TXBF (HDR4)

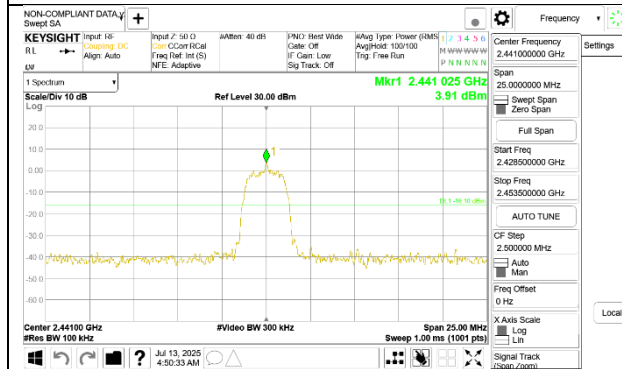
ANT 2



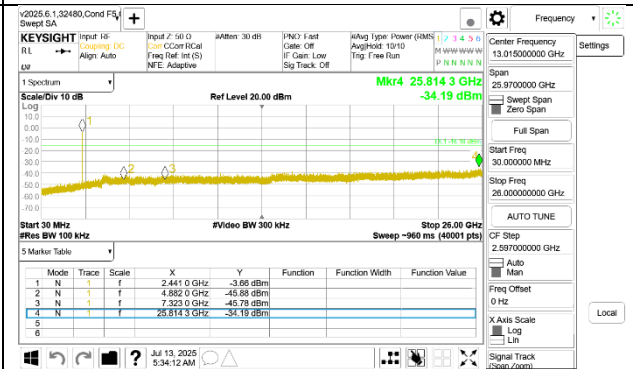
LOW CHANNEL BANDEDGE ANT 2



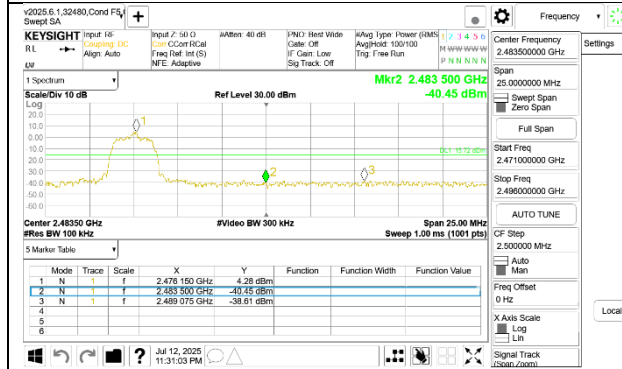
OUT-OF-BAND LOW CHANNEL ANT 2



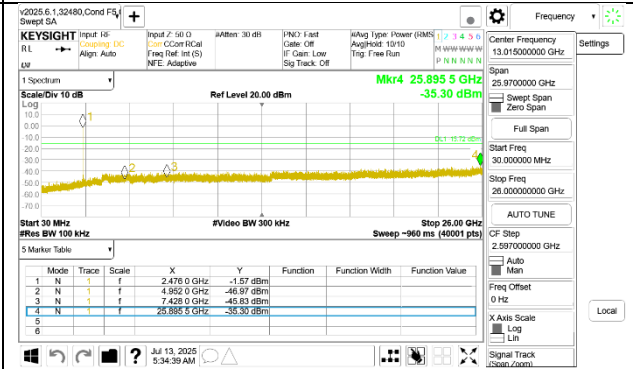
IN-BAND REFERENCE LEVEL ANT 2



OUT-OF-BAND MID CHANNEL ANT 2

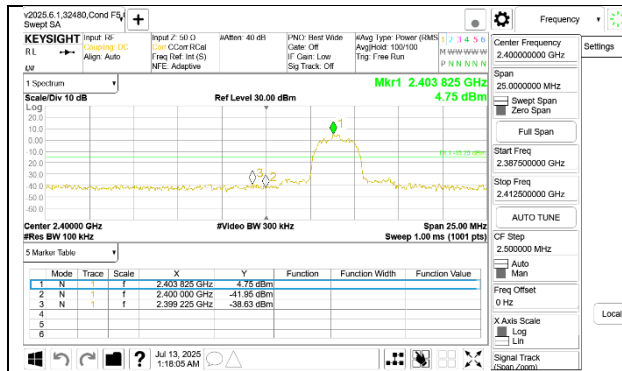


HIGH CHANNEL BANDEDGE ANT 2

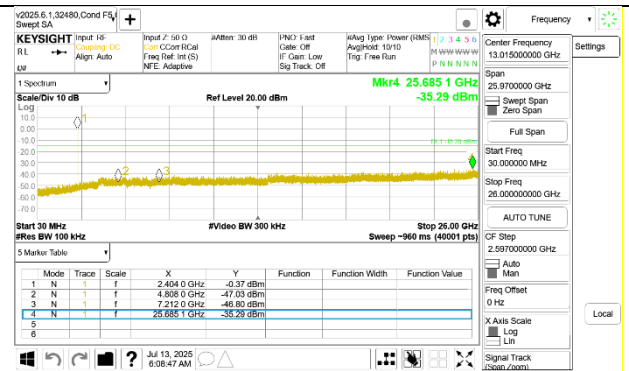


OUT-OF-BAND HIGH CHANNEL ANT 2

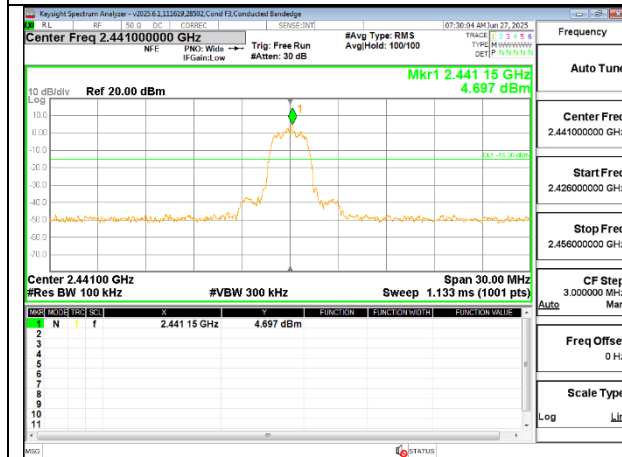
ANT 1



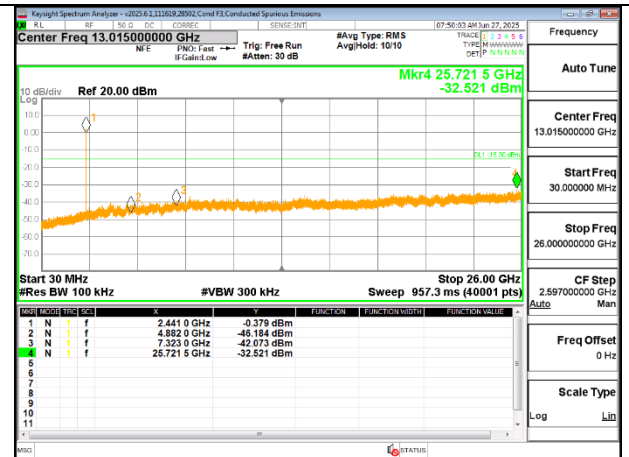
LOW CHANNEL BANDEDGE ANT 1



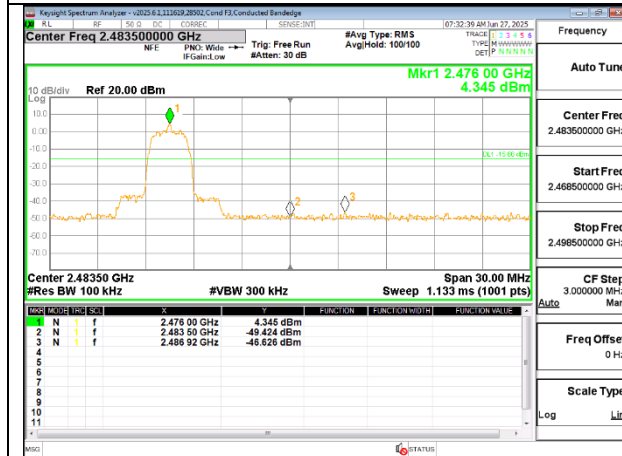
OUT-OF-BAND LOW CHANNEL ANT 1



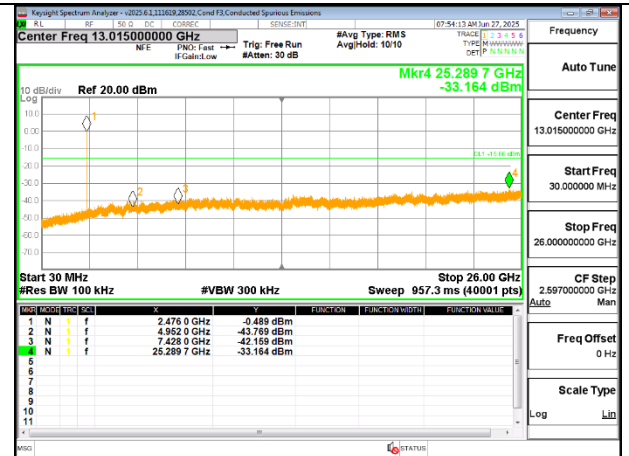
IN-BAND REFERENCE LEVEL ANT 1



OUT-OF-BAND MID CHANNEL ANT 1

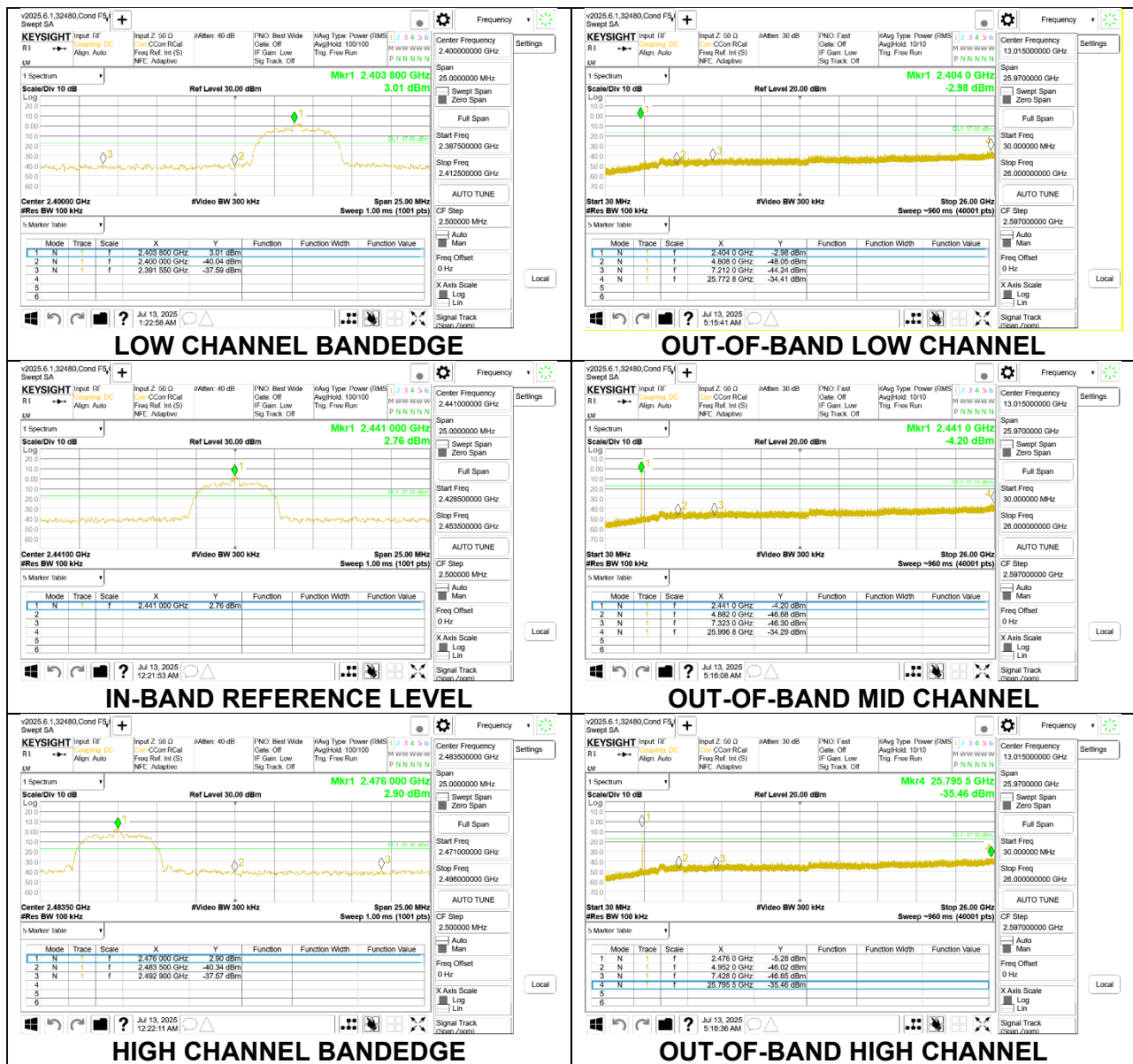


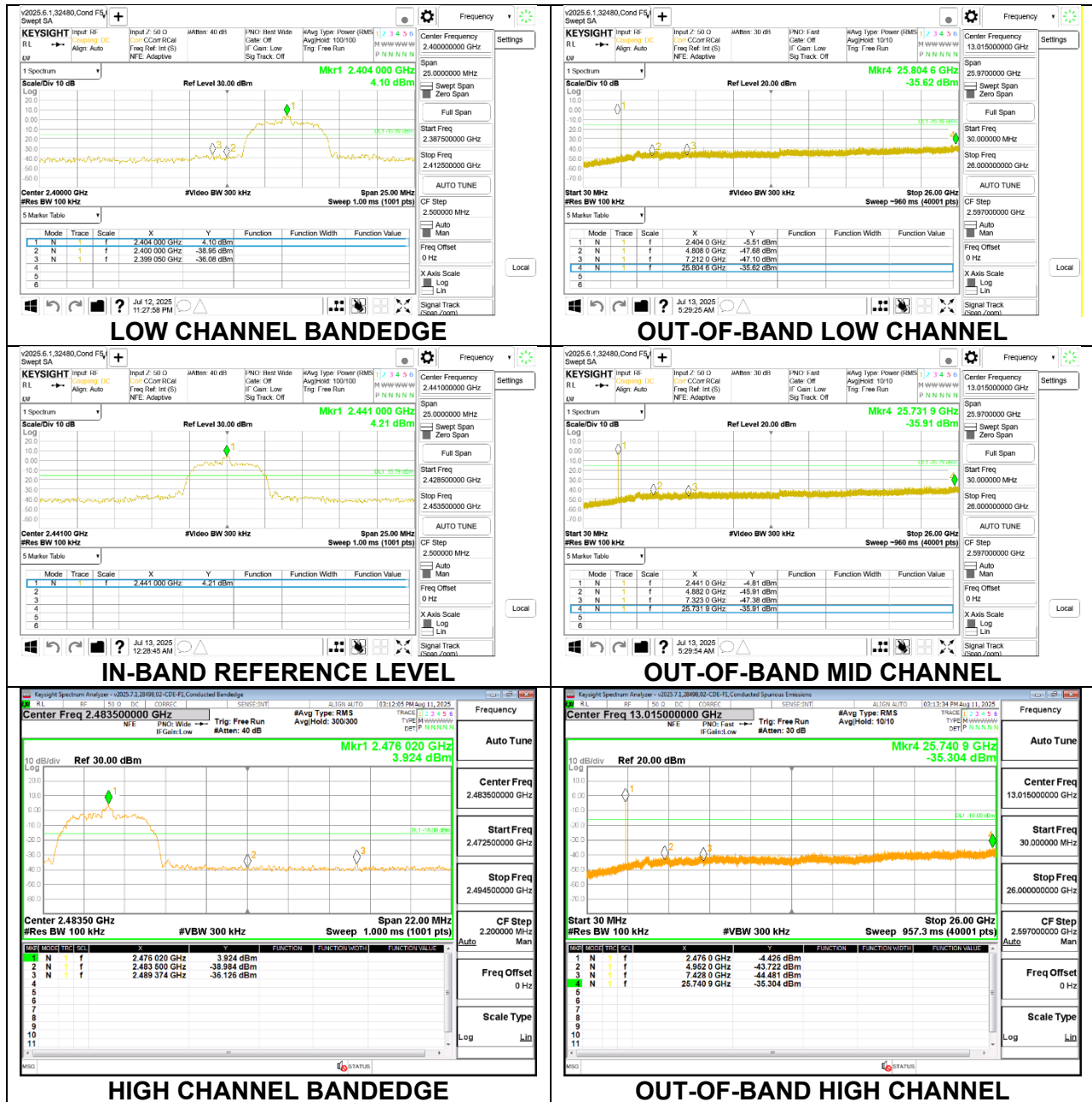
HIGH CHANNEL BANDEDGE ANT 1

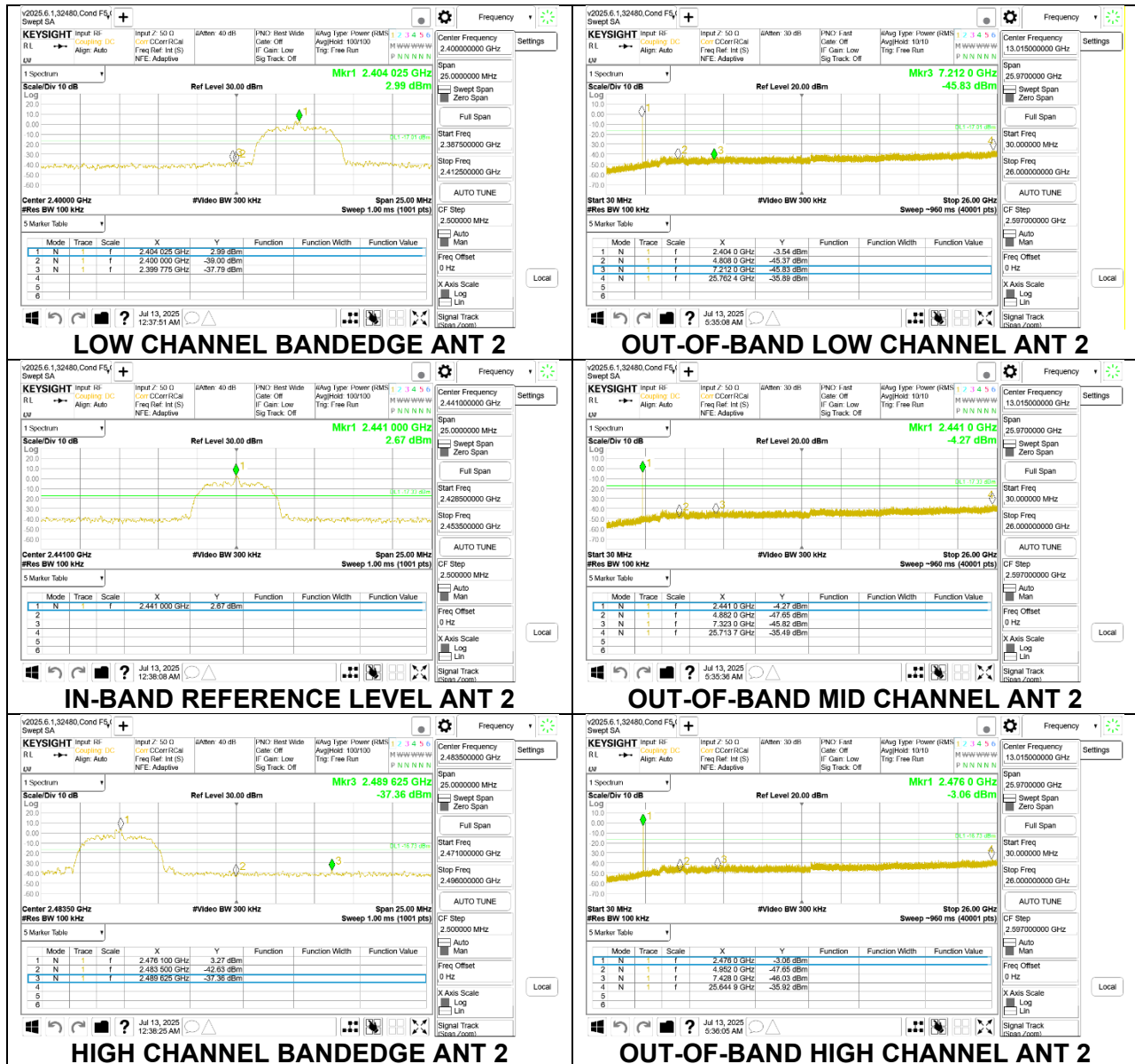


OUT-OF-BAND HIGH CHANNEL ANT 1

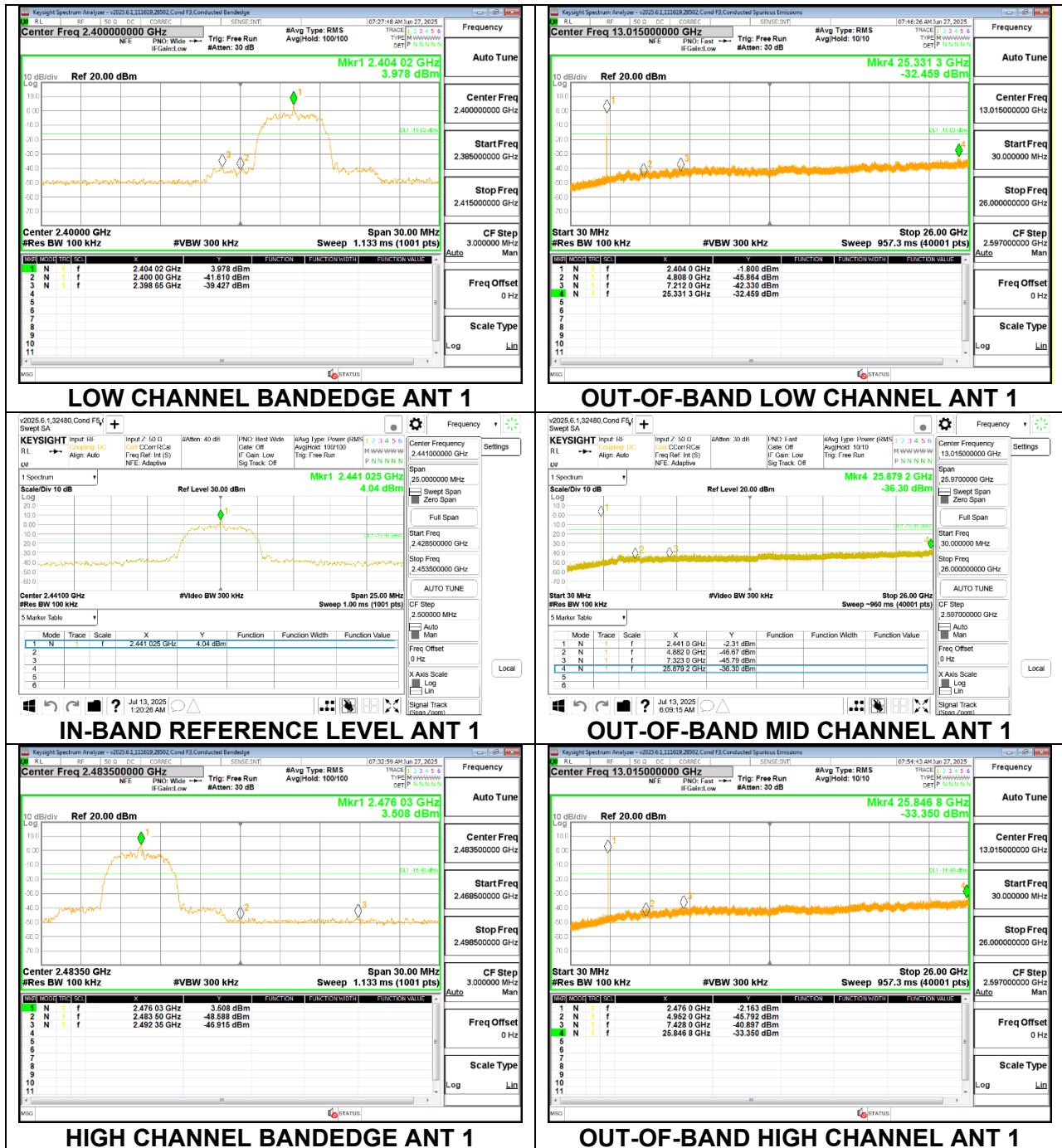
9.7.8. LOW POWER HDR (HDR8) ANT 2



ANT 1

9.7.9. LOW POWER HDR TXBF (HDR8)**ANT 2**

ANT 1



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.

Based 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

Based 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 the chamber measured test result is the worst-case test result.

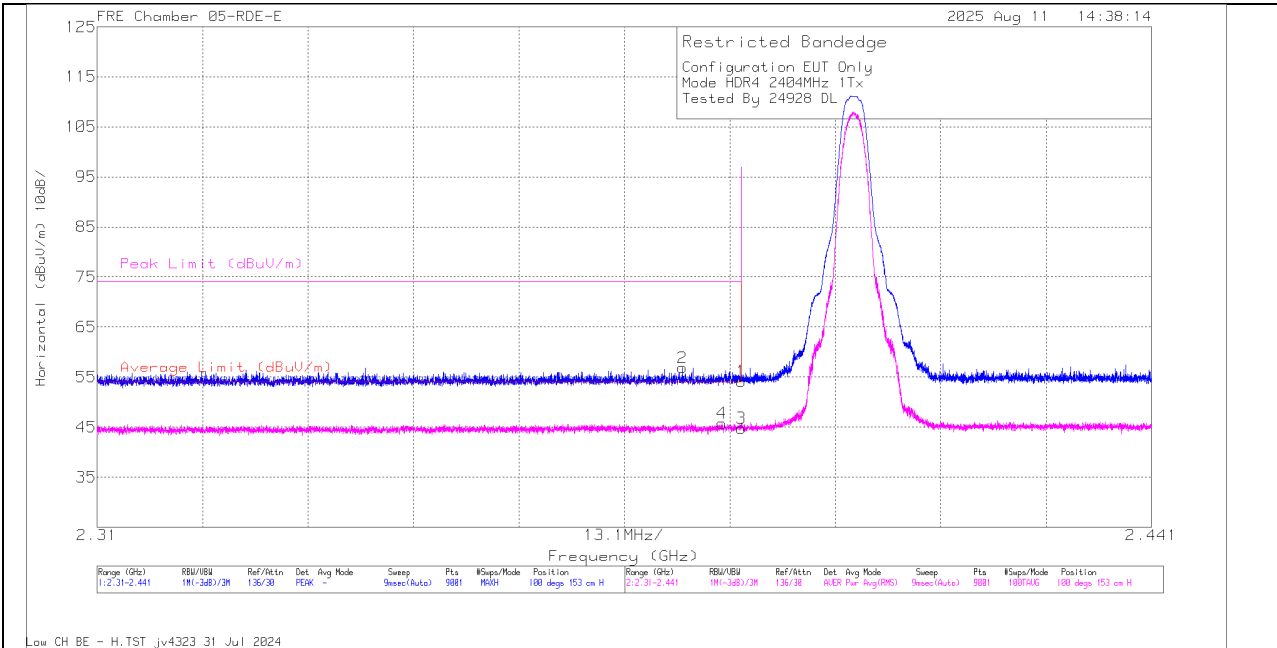
10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. HIGH POWER HDR (HDR4)

ANT 2

BANDEDGE (LOW CHANNEL)

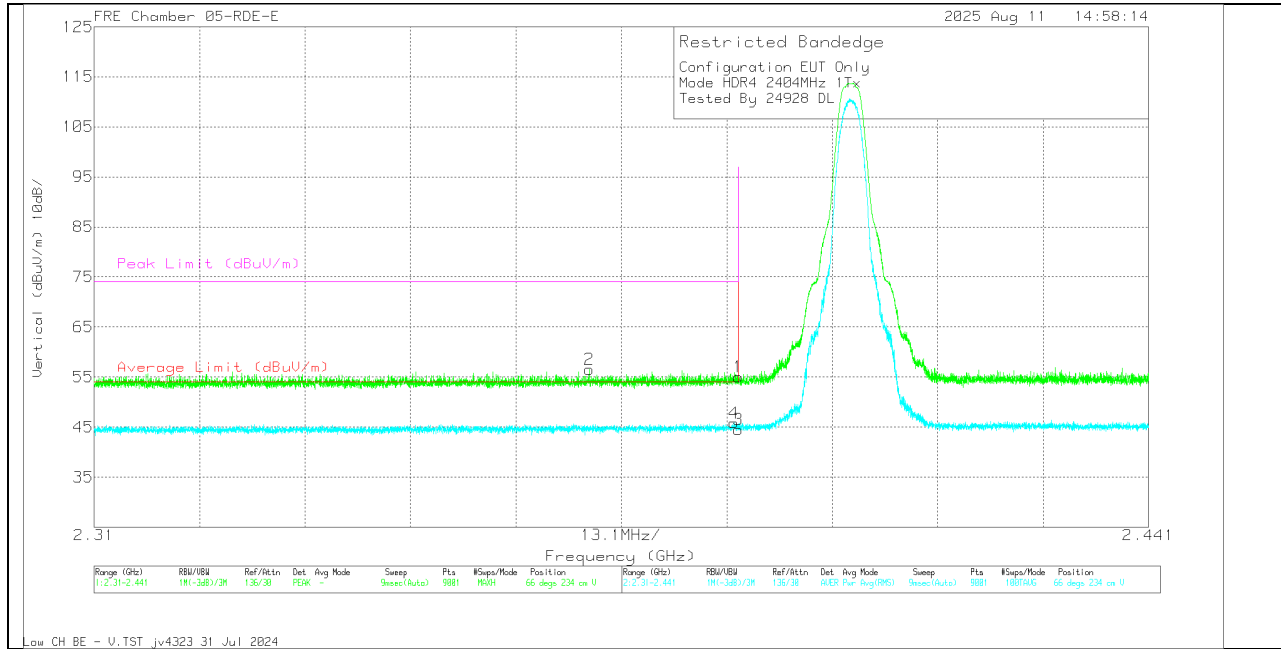
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80404 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Dops)	Height (cm)	Polarity
1	* 2.39	59.65	Pk	32	0	-37.5	54.15	-	-	74	-19.85	100	153	H
2	* 2.382722	62.45	Pk	32	0	-37.6	56.85	-	-	74	-17.15	100	153	H
3	* 2.39	49.03	RMS	32	1.28	-37.5	44.81	54	-9.19	-	-	100	153	H
4	* 2.387598	50.13	RMS	32	1.28	-37.6	45.81	54	-8.19	-	-	100	153	H

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

VERTICAL RESULT

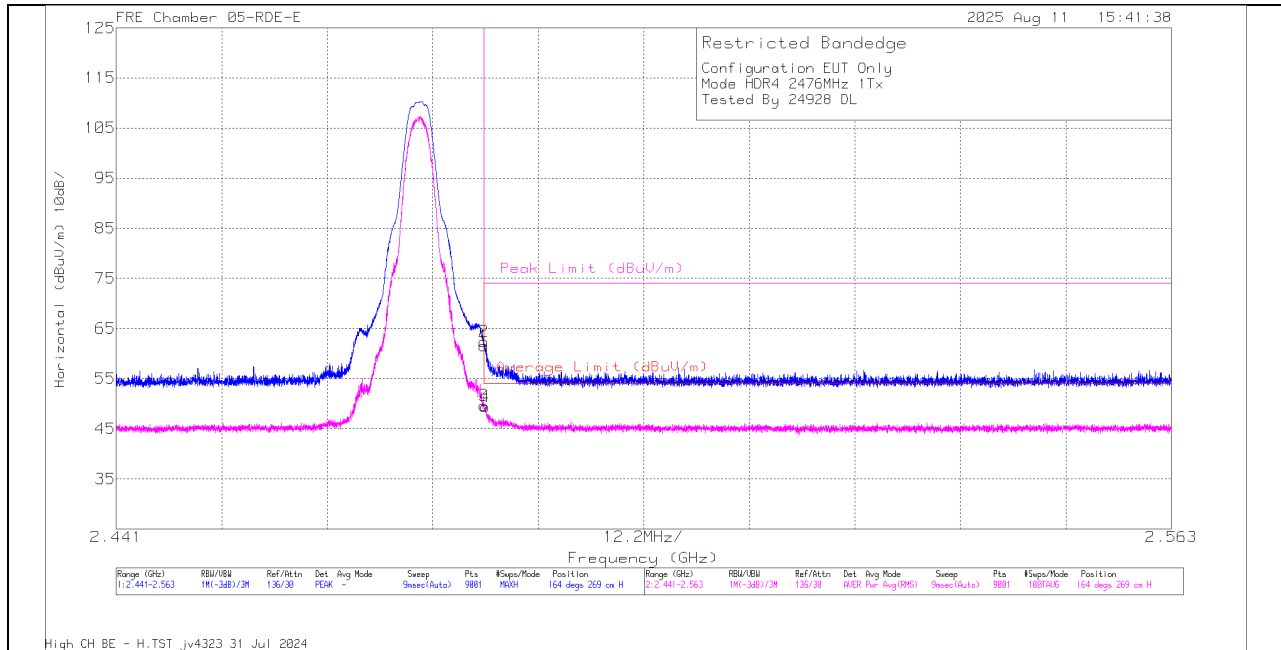


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80404 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.49	PK	32	0	-37.5	54.99	-	-	74	-19.01	66	234	V
2	* 2.371485	62.15	PK	32	0	-37.6	56.55	-	-	74	-17.45	66	234	V
3	* 2.39	48.7	RMS	32	1.28	-37.5	44.48	54	-9.52	-	-	66	234	V
4	* 2.369519	50.1	RMS	32	1.28	-37.55	45.83	54	-8.17	-	-	66	234	V

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

PK - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

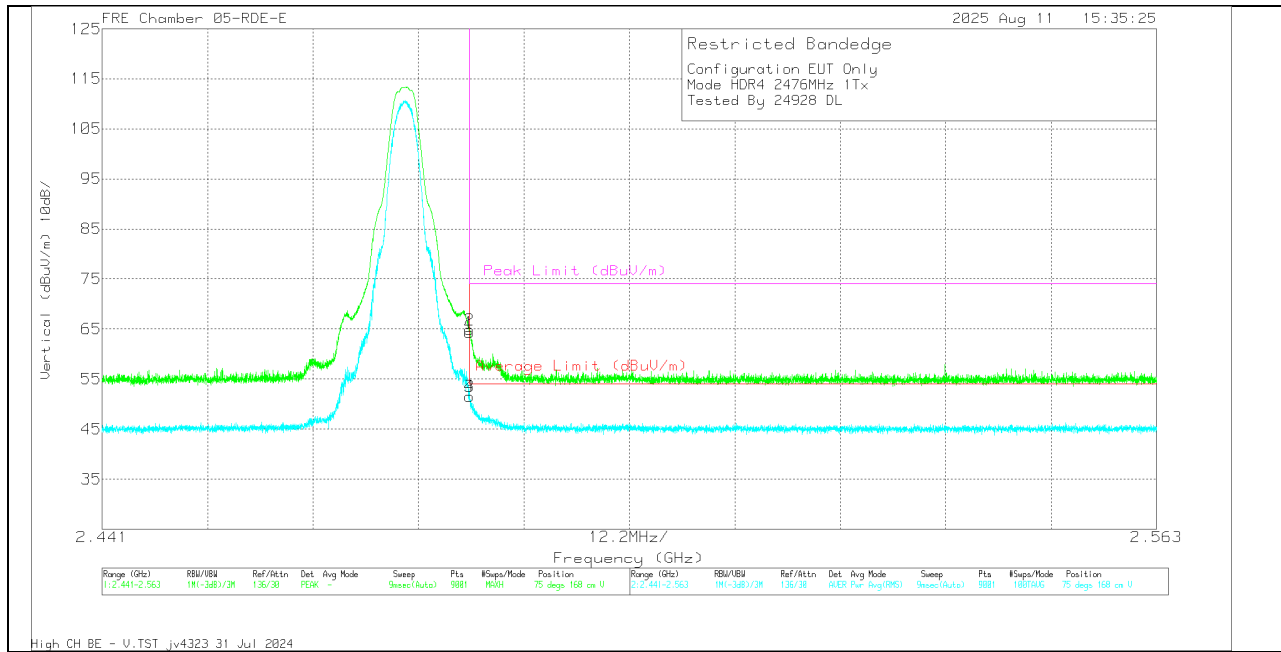
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80404 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	66.81	Pk	32.4	0	-37.65	61.56	-	-	74	-12.44	164	269	H
2	* 2.483525	67.72	Pk	32.4	0	-37.65	62.47	-	-	74	-11.53	164	269	H
3	* 2.4835	53.66	RMS	32.4	1.28	-37.65	49.69	54	-4.31	-	-	164	269	H
4	* 2.483634	53.38	RMS	32.4	1.28	-37.66	49.4	54	-4.6	-	-	164	269	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

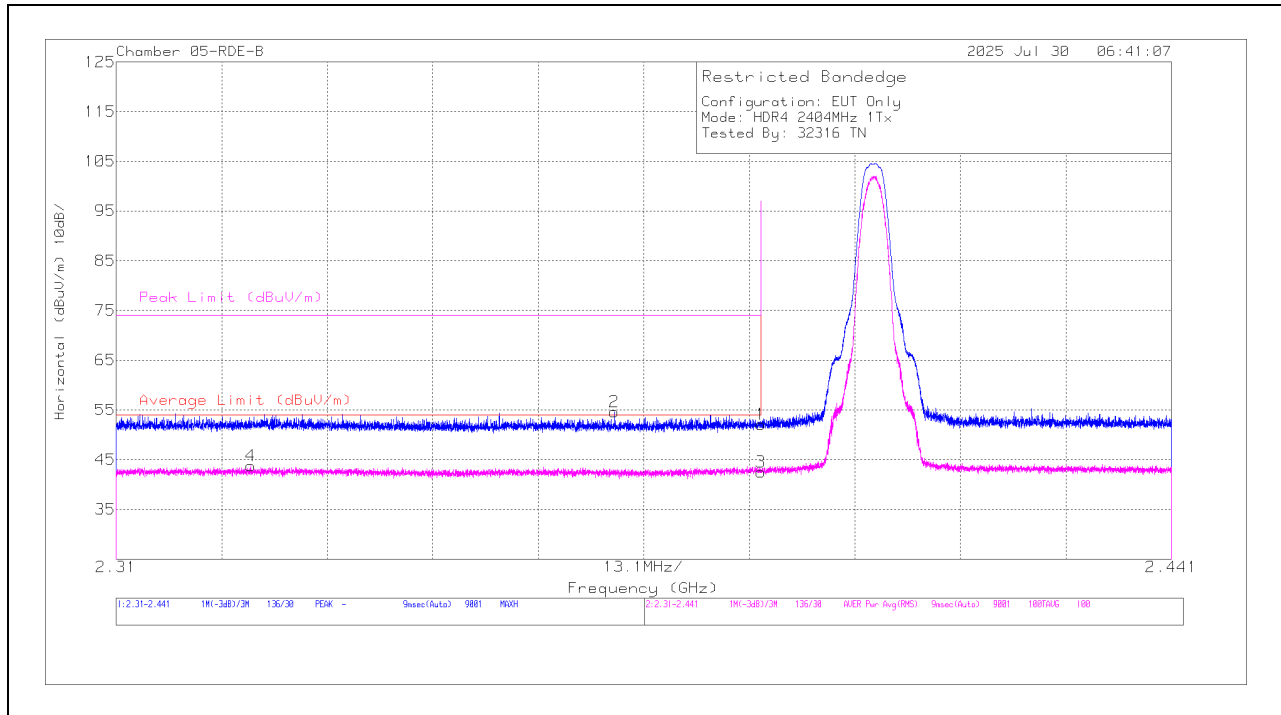


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80404 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	69.58	Pk	32.4	0	-37.65	64.33	-	-	74	-9.67	75	168	V
2	* 2.483512	70.11	Pk	32.4	0	-37.65	64.86	-	-	74	-9.14	75	168	V
3	* 2.4835	55.48	RMS	32.4	1.28	-37.65	51.51	54	-2.49	-	-	75	168	V
4	* 2.483512	55.45	RMS	32.4	1.28	-37.65	51.48	54	-2.52	-	-	75	168	V

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

PK - Peak detector

RMS - RMS detection

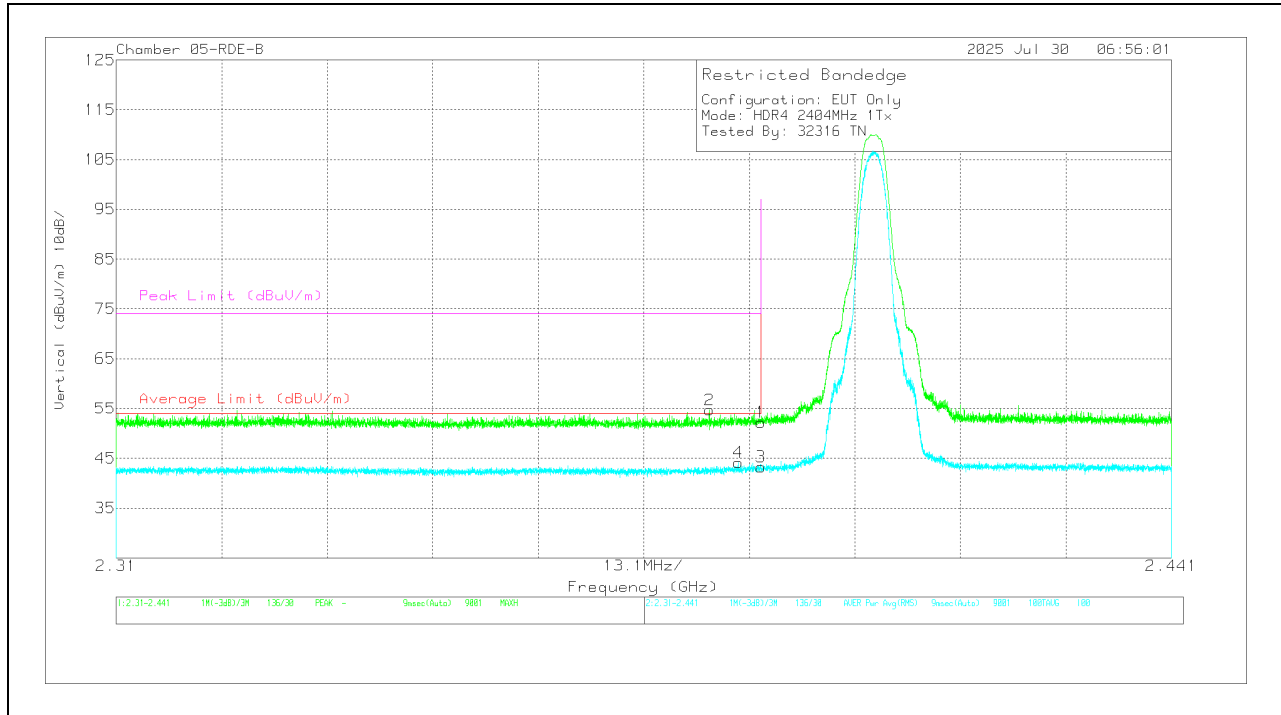
ANT 1**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.326681	51.31	RMS	31.8	1.28	-40.59	43.8	54	-10.2	-	-	59	373	H
2	*2.371834	63.26	PK	31.9	0	-40.57	54.59	-	-	74	-19.41	59	373	H
1	*2.39	60.54	PK	32	0	-40.39	52.15	-	-	74	-21.85	59	373	H
3	*2.39	49.59	RMS	32	1.28	-40.39	42.48	54	-11.52	-	-	59	373	H

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

- Peak detector
RMS - RMS detection

VERTICAL RESULT

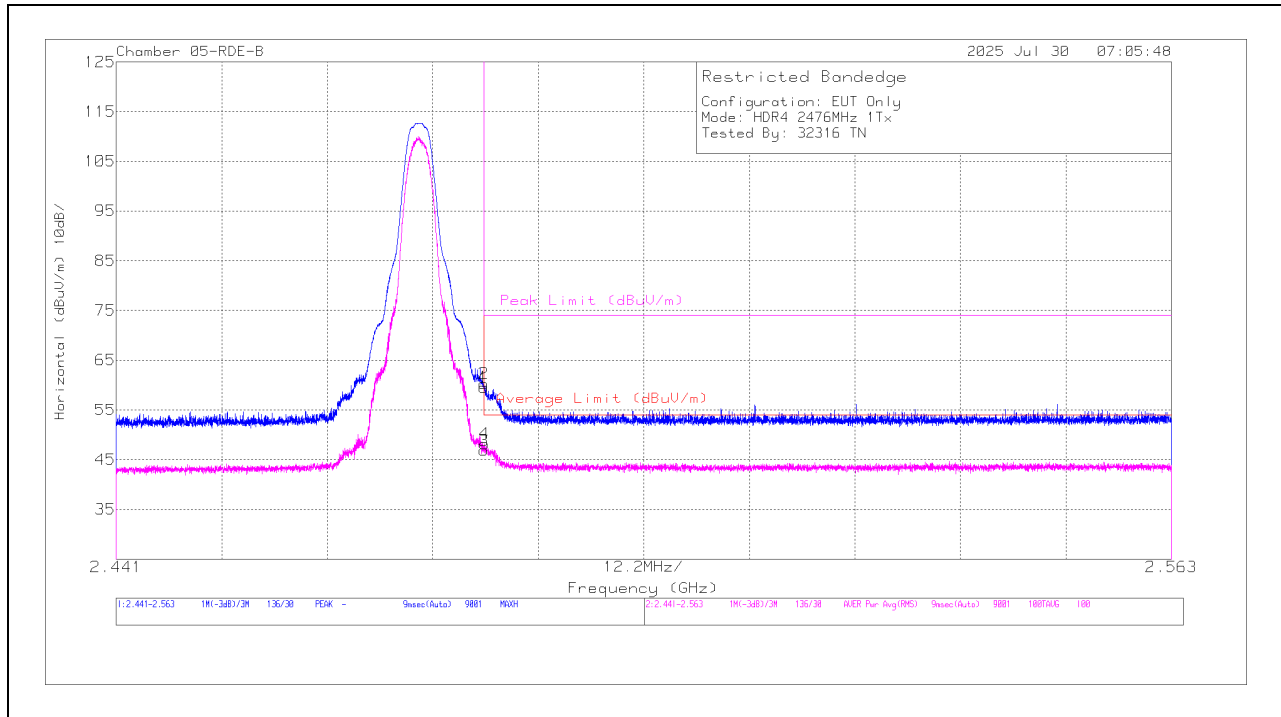


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.383624	63.11	Pk	32	0	-40.42	54.69	-	-	74	-19.31	45	375	V
4	*2.387205	51.22	RMS	32	1.28	-40.39	44.11	54	-9.89	-	-	45	375	V
1	*2.39	60.63	Pk	32	0	-40.39	52.24	-	-	74	-21.76	45	375	V
3	*2.39	50.38	RMS	32	1.28	-40.39	43.27	54	-10.73	-	-	45	375	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

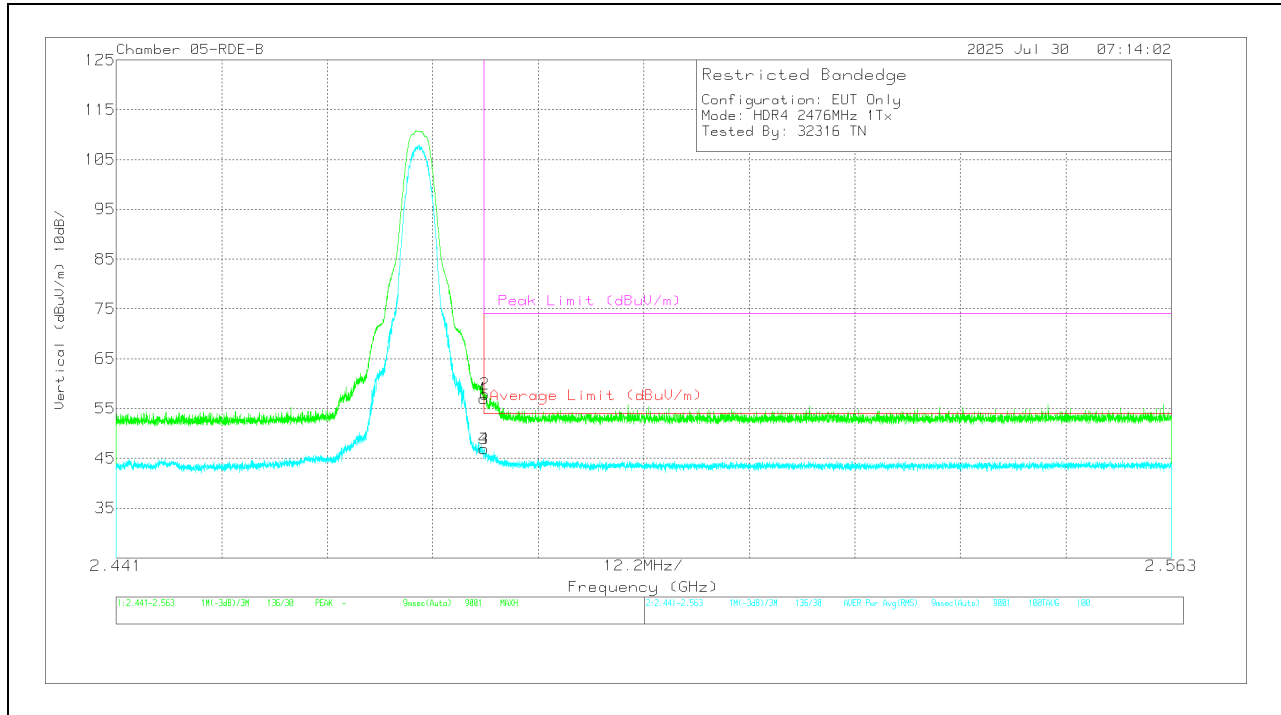
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	67.73	Pk	32.2	0	-40.39	59.54	-	-	74	-14.46	100	100	H
3	*2.4835	53.77	RMS	32.2	1.28	-40.39	46.86	54	-7.14	-	-	100	100	H
2	*2.483525	68.5	Pk	32.2	0	-40.38	60.32	-	-	74	-13.68	100	100	H
4	*2.483566	55.12	RMS	32.2	1.28	-40.38	48.22	54	-5.78	-	-	100	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	65.2	Pk	32.2	0	-40.39	57.01	-	-	74	-16.99	129	389	V
3	*2.4835	53.78	RMS	32.2	1.28	-40.39	46.87	54	-7.13	-	-	129	389	V
4	*2.483525	53.82	RMS	32.2	1.28	-40.38	46.92	54	-7.08	-	-	129	389	V
2	*2.48362	66.05	Pk	32.2	0	-40.38	57.87	-	-	74	-16.13	129	389	V

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

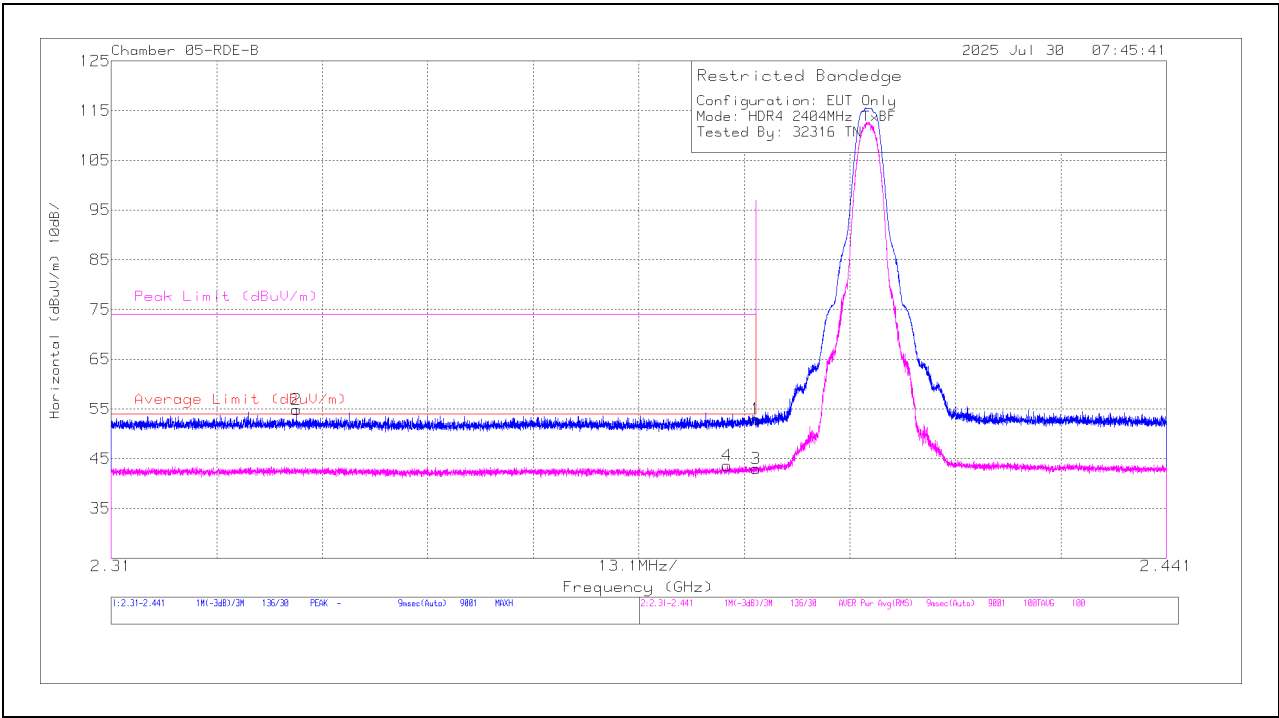
Pk - Peak detector

RMS - RMS detection

10.2.2. HIGH POWER HDR TXBF (HDR4)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

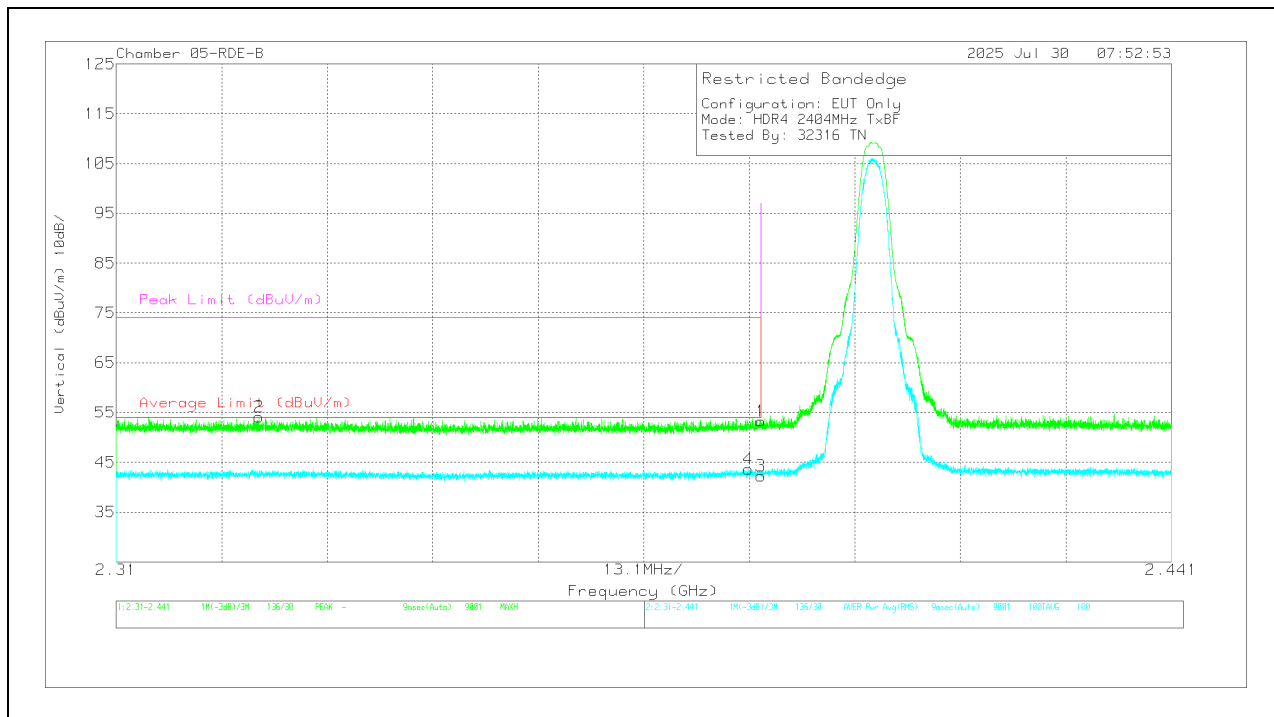


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.333028	63.65	Pk	31.8	0	-40.59	54.86	-	-	74	-19.14	267	165	H
4	*2.386463	50.74	RMS	32	1.28	-40.39	43.63	54	-10.37	-	-	267	165	H
1	*2.39	61.37	Pk	32	0	-40.39	52.98	-	-	74	-21.02	267	165	H
3	*2.39	50.08	RMS	32	1.28	-40.39	42.97	54	-11.03	-	-	267	165	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

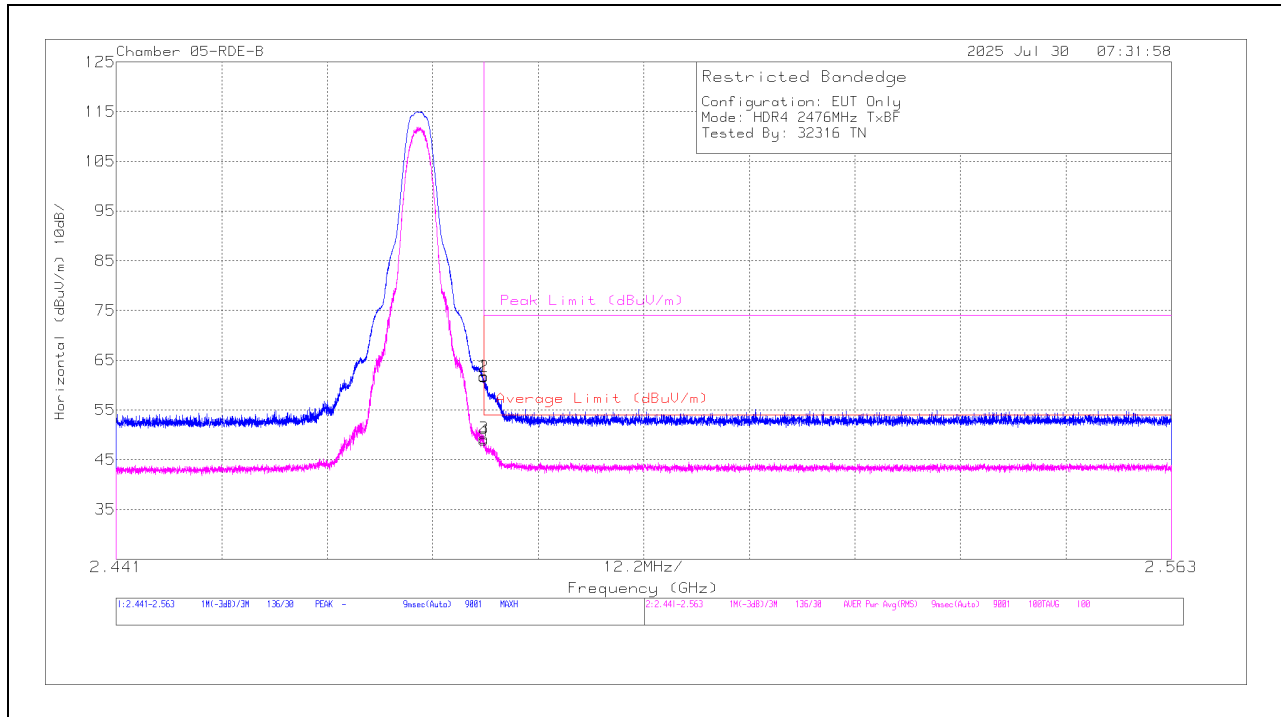


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.327729	62.85	Pk	31.8	0	-40.59	54.09	-	-	74	-19.91	256	366	V
4	*2.388515	50.79	RMS	32	1.28	-40.38	43.69	54	-10.31	-	-	256	366	V
1	*2.39	61.68	Pk	32	0	-40.39	53.29	-	-	74	-20.71	256	366	V
3	*2.39	49.35	RMS	32	1.28	-40.39	42.24	54	-11.76	-	-	256	366	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

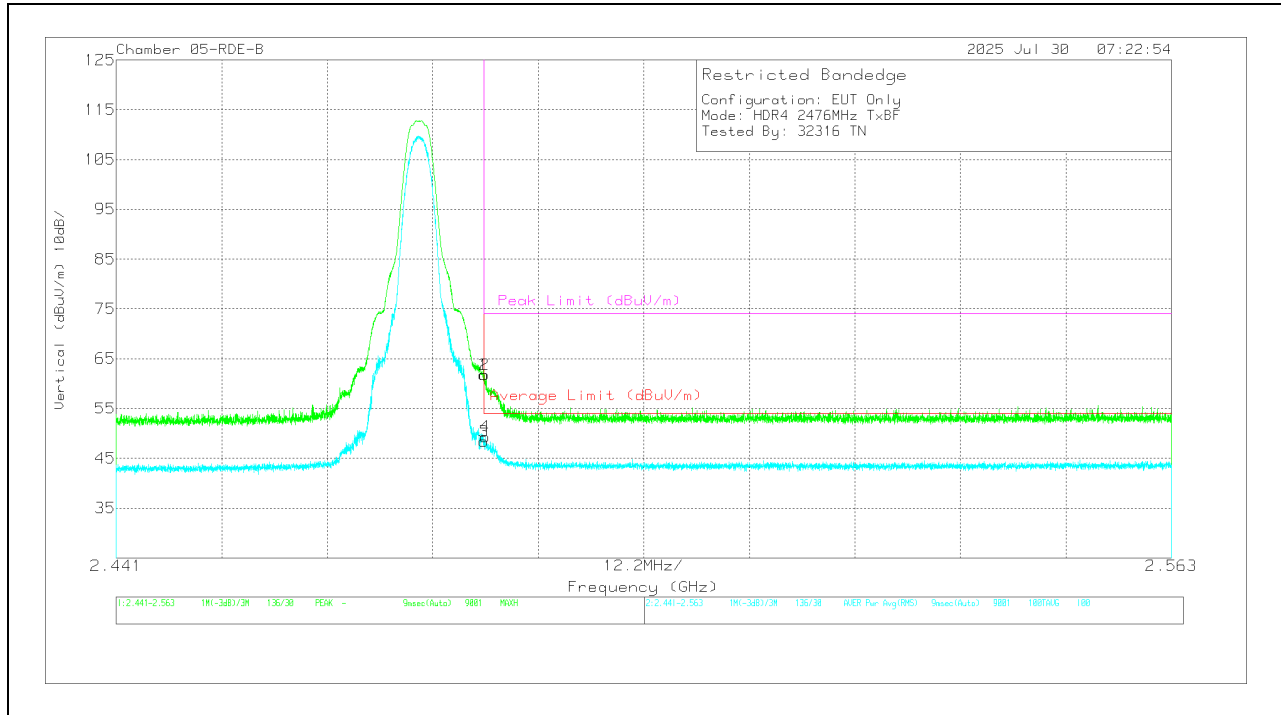
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	70.03	Pk	32.2	0	-40.39	61.84	-	-	74	-12.16	279	118	H
3	*2.4835	56.24	RMS	32.2	1.28	-40.39	49.33	54	-4.67	-	-	279	118	H
2	*2.483512	69.91	Pk	32.2	0	-40.38	61.73	-	-	74	-12.27	279	118	H
4	*2.483512	55.78	RMS	32.2	1.28	-40.38	48.88	54	-5.12	-	-	279	118	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	69.94	Pk	32.2	0	-40.39	61.75	-	-	74	-12.25	152	374	V
3	*2.4835	55.29	RMS	32.2	1.28	-40.39	48.38	54	-5.62	-	-	152	374	V
2	*2.483566	69.94	Pk	32.2	0	-40.38	61.76	-	-	74	-12.24	152	374	V
4	*2.483661	56.18	RMS	32.2	1.28	-40.38	49.28	54	-4.72	-	-	152	374	V

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

Pk - Peak detector

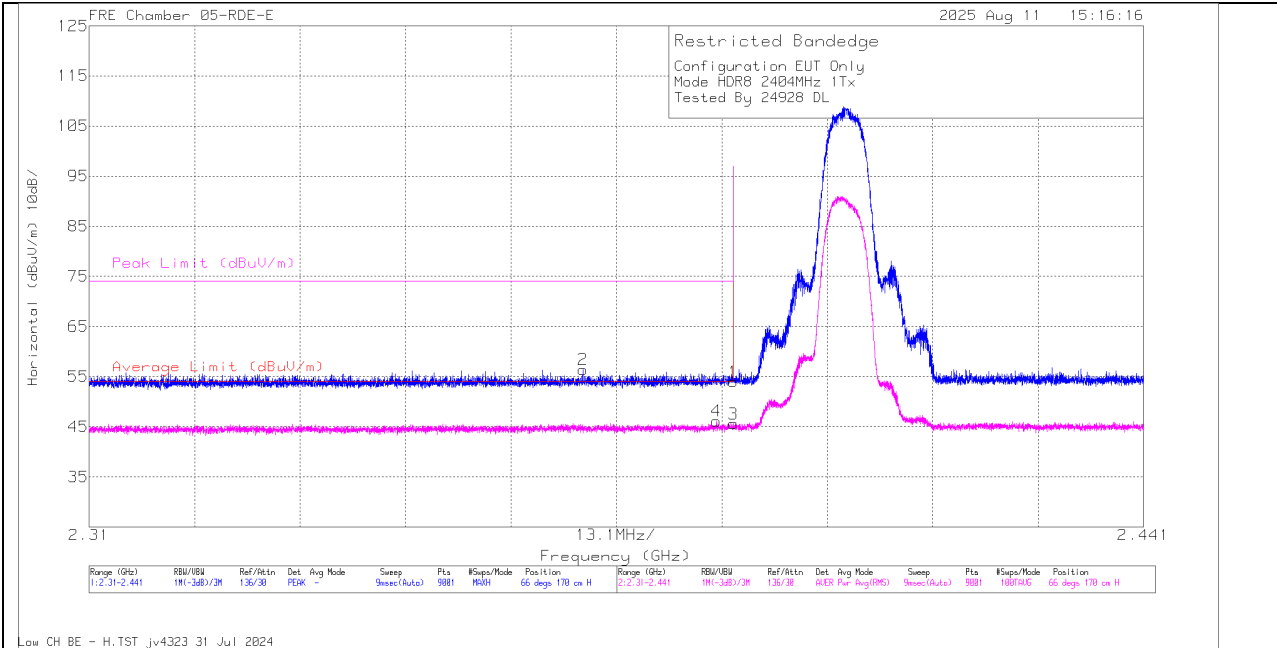
RMS - RMS detection

10.2.3. HIGH POWER HDR (HDR8)

ANT 2

BANDEDGE (LOW CHANNEL)

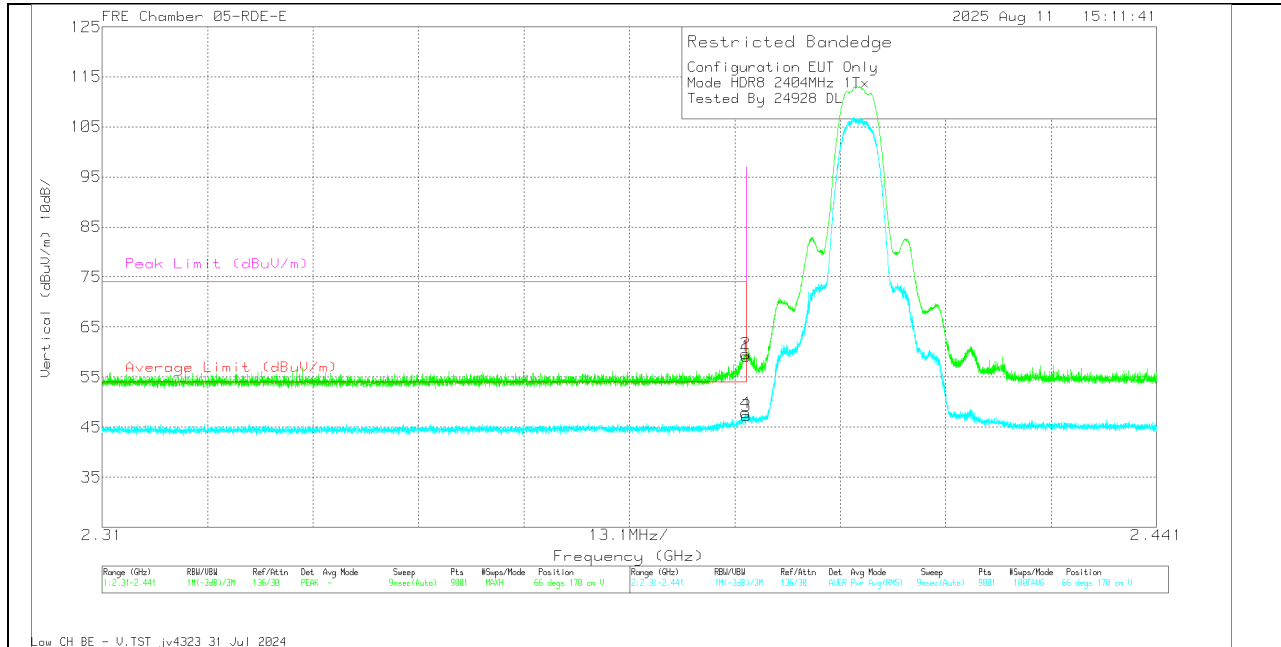
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80404 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	59.47	Pk	32	0	-37.5	53.97	-	-	74	-20.03	66	170	H
2	* 2.371368	62.02	Pk	32	0	-37.8	56.42	-	-	74	-17.58	66	170	H
3	* 2.39	49.8	RMS	32	1.28	-37.5	45.58	54	-8.42	-	-	66	170	H
4	* 2.387962	50.44	RMS	32	1.28	-37.6	46.12	54	-7.88	-	-	66	170	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80404 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	64.68	PK	32	0	-37.5	59.18	-	-	74	-14.82	66	170	V
2	* 2.389942	65.19	PK	32	0	-37.51	59.68	-	-	74	-14.32	66	170	V
3	* 2.39	51.47	RMS	32	1.28	-37.5	47.25	54	-6.75	-	-	66	170	V
4	* 2.389927	52.07	RMS	32	1.28	-37.51	47.84	54	-6.16	-	-	66	170	V

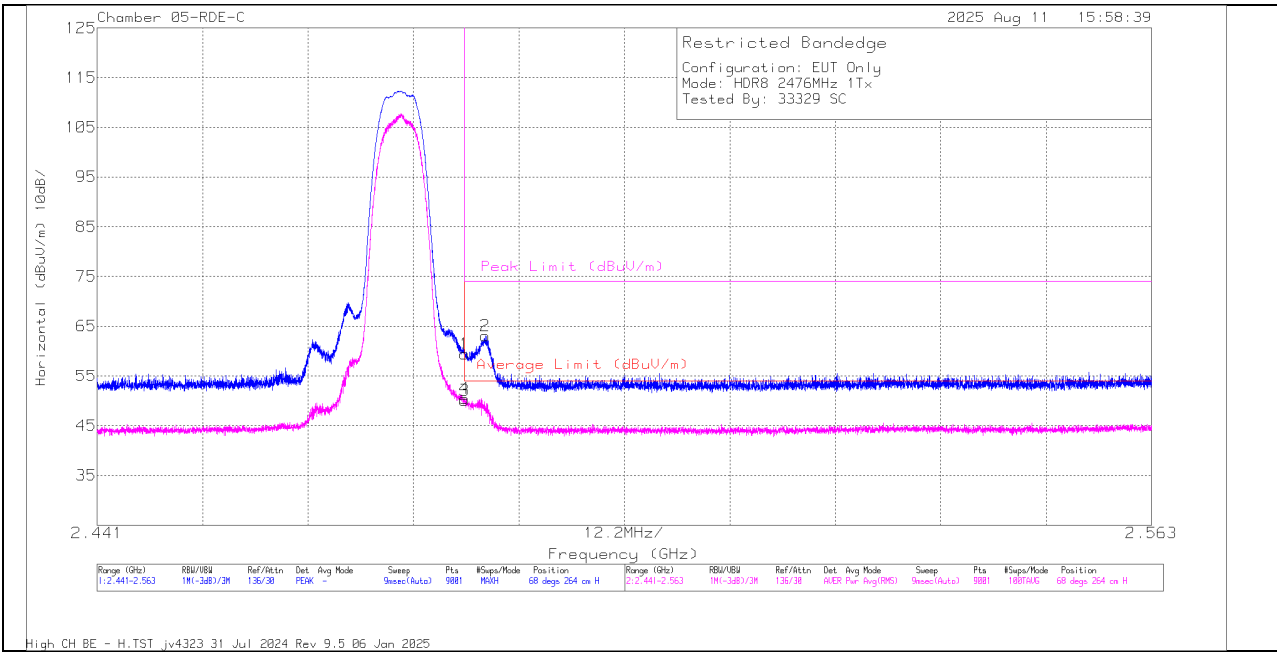
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

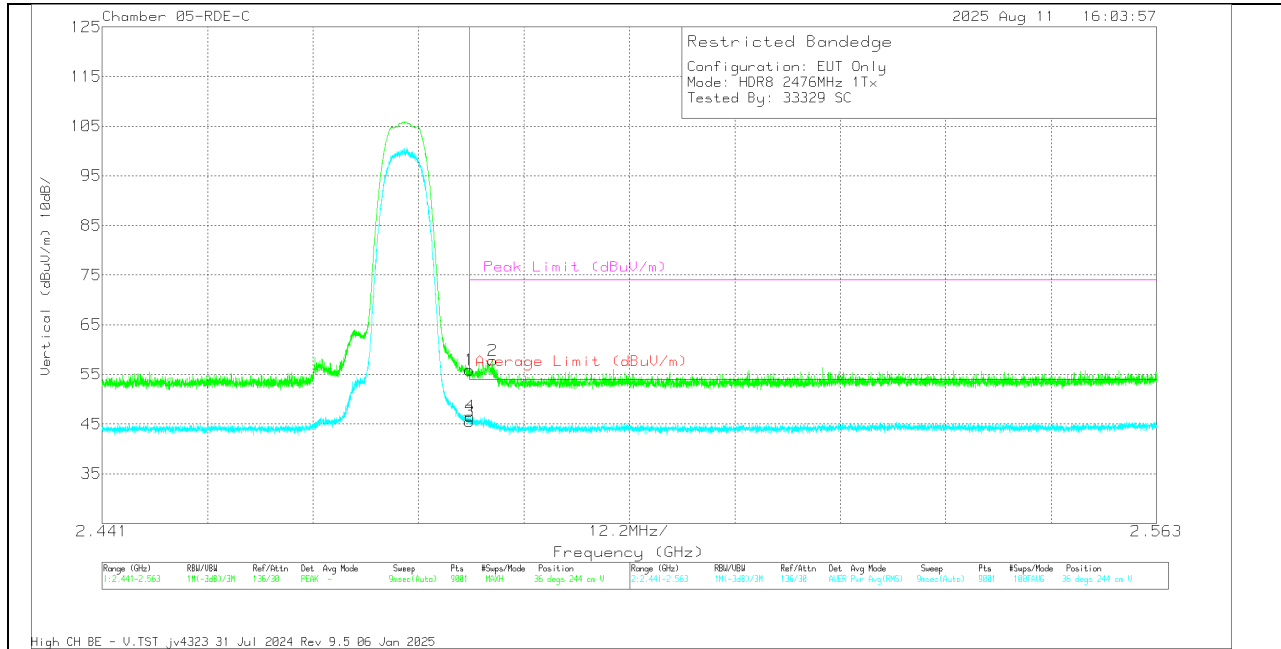
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	67.53	Pk	32.2	0	-40.35	59.38	-	-	74	-14.62	68	264	H
3	2.4835	56.92	RMS	32.2	1.28	-40.35	50.04	54	-3.96	-	-	68	264	H
4	2.483512	57.38	RMS	32.2	1.28	-40.35	50.5	54	-3.5	-	-	68	264	H
2	2.485897	71.16	Pk	32.2	0	-40.3	63.06	-	-	74	-10.94	68	264	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	63.98	Pk	32.2	0	-40.35	55.83	-	-	74	-18.17	36	244	V
3	2.4835	52.4	RMS	32.2	1.28	-40.35	45.52	54	-8.48	-	-	36	244	V
4	2.483579	53.39	RMS	32.2	1.28	-40.35	46.51	54	-7.49	-	-	36	244	V
2	2.486223	65.93	Pk	32.2	0	-40.3	57.83	-	-	74	-16.17	36	244	V

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

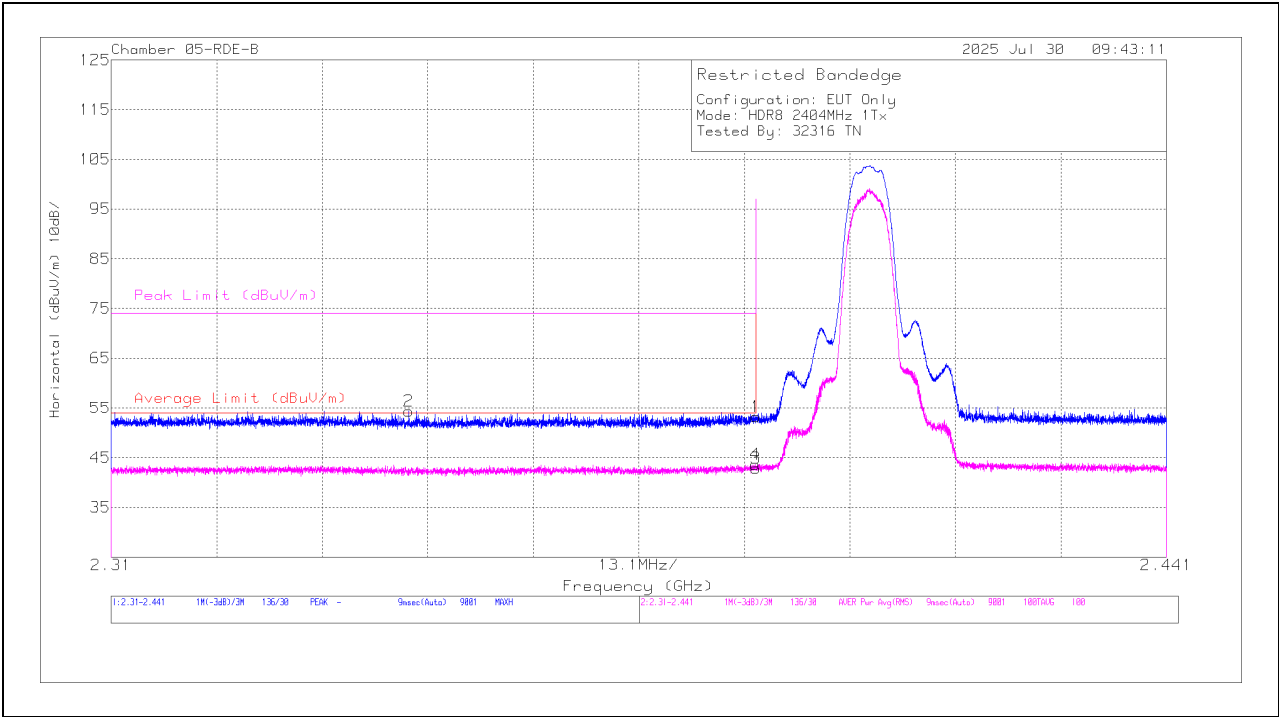
Pk - Peak detector

RMS - RMS detection

ANT 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

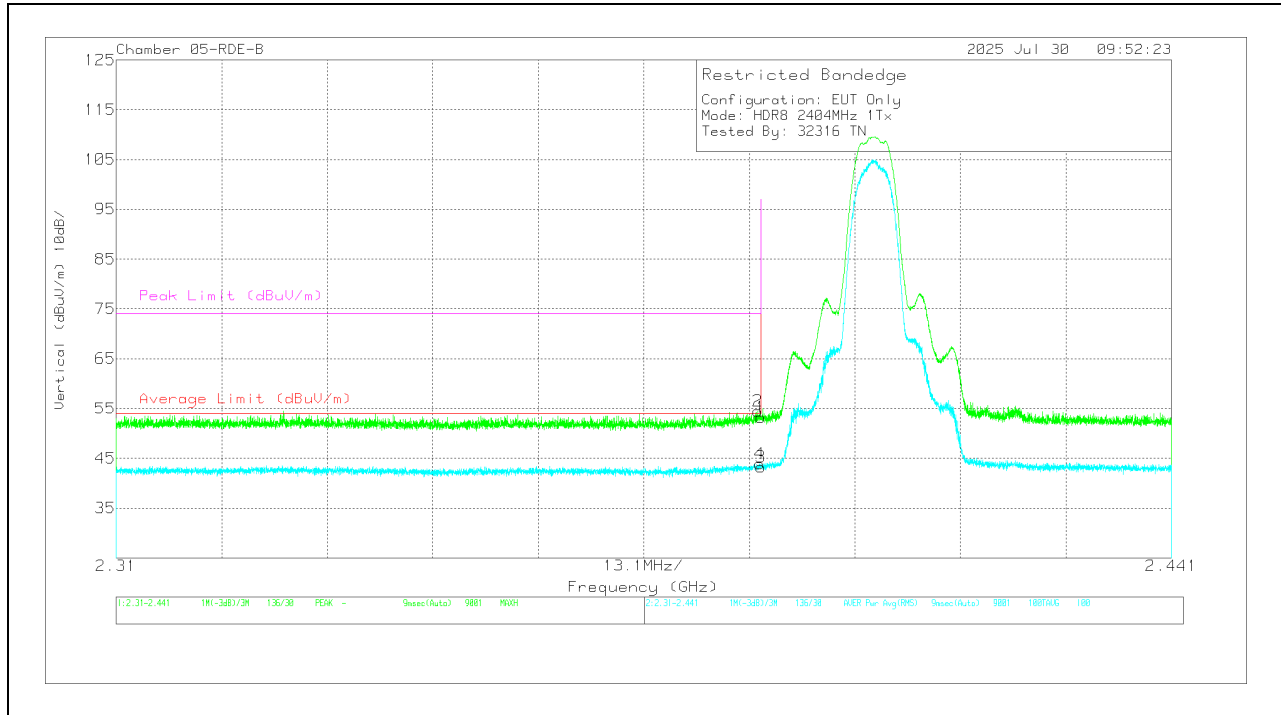


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dBm)	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.346943	63.19	Pk	31.8	0	-40.59	54.4	-	-	74	-19.6	65	103	H
4	*2.389956	50.73	RMS	32	1.28	-40.39	43.61	54	-10.39	-	-	65	103	H
1	*2.39	61.64	Pk	32	0	-40.39	53.25	-	-	74	-20.75	65	103	H
3	*2.39	49.97	RMS	32	1.28	-40.39	42.85	54	-11.15	-	-	65	103	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



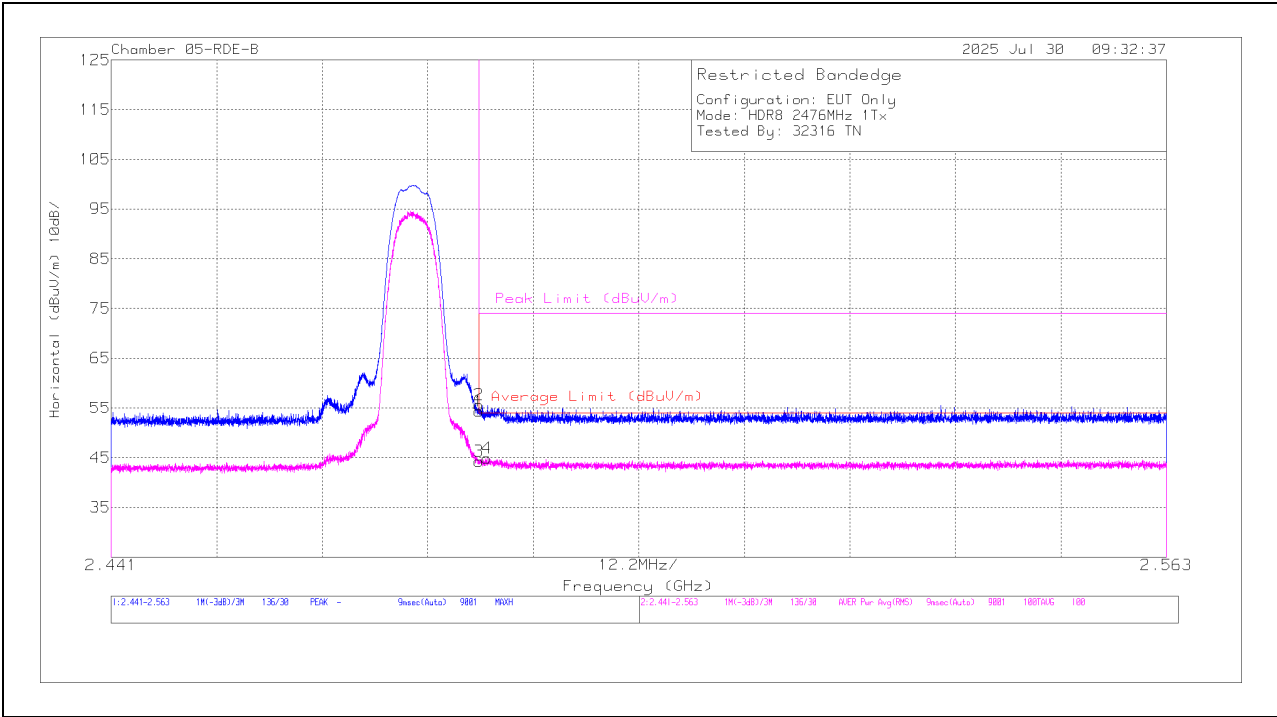
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.38968	62.93	Pk	32	0	-40.39	54.54	-	-	74	-19.46	326	129	V
4	*2.389912	51.05	RMS	32	1.28	-40.39	43.93	54	-10.07	-	-	326	129	V
1	*2.39	61.63	Pk	32	0	-40.39	53.24	-	-	74	-20.76	326	129	V
3	*2.39	50.42	RMS	32	1.28	-40.39	43.3	54	-10.7	-	-	326	129	V

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

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

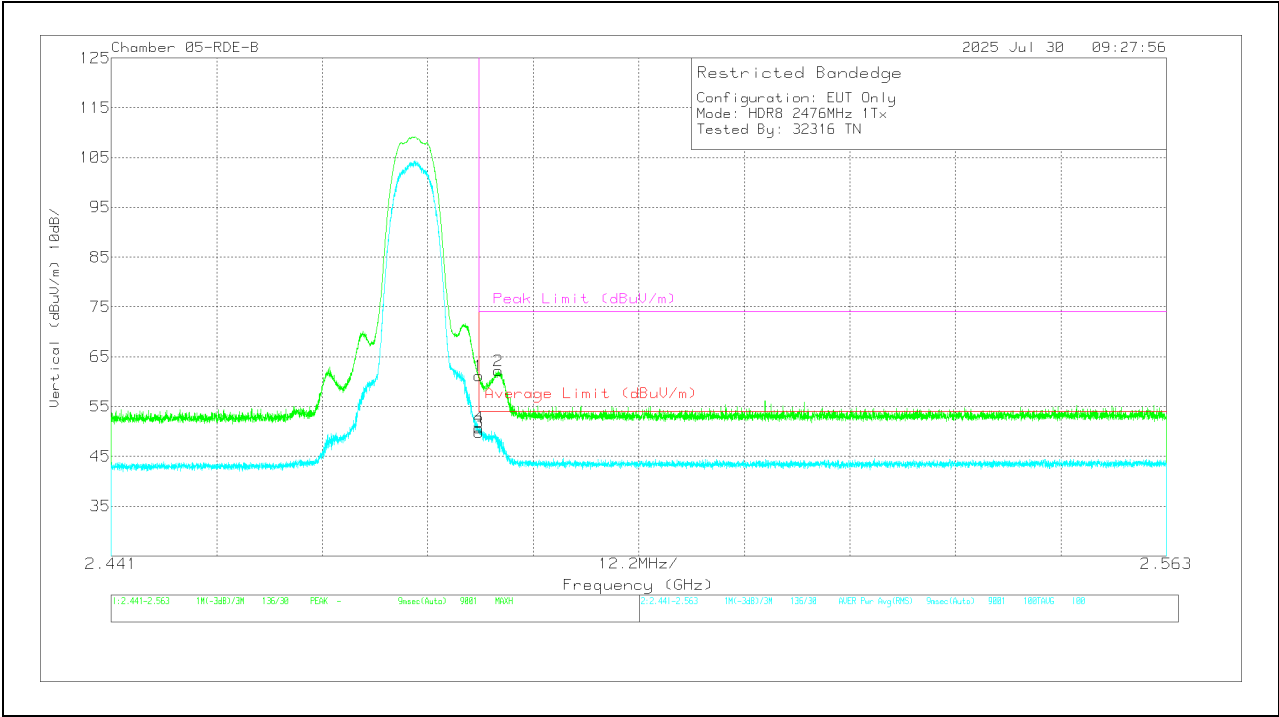


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	62.51	Pk	32.2	0	-40.39	54.32	-	-	74	-19.68	64	130	H
3	*2.4835	51.2	RMS	32.2	1.28	-40.39	44.28	54	-9.72	-	-	64	130	H
2	*2.483525	63.82	Pk	32.2	0	-40.38	55.64	-	-	74	-18.36	64	130	H
4	*2.48442	51.82	RMS	32.2	1.28	-40.37	44.92	54	-9.08	-	-	64	130	H

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

Pk - Peak detector
RMS - RMS detection

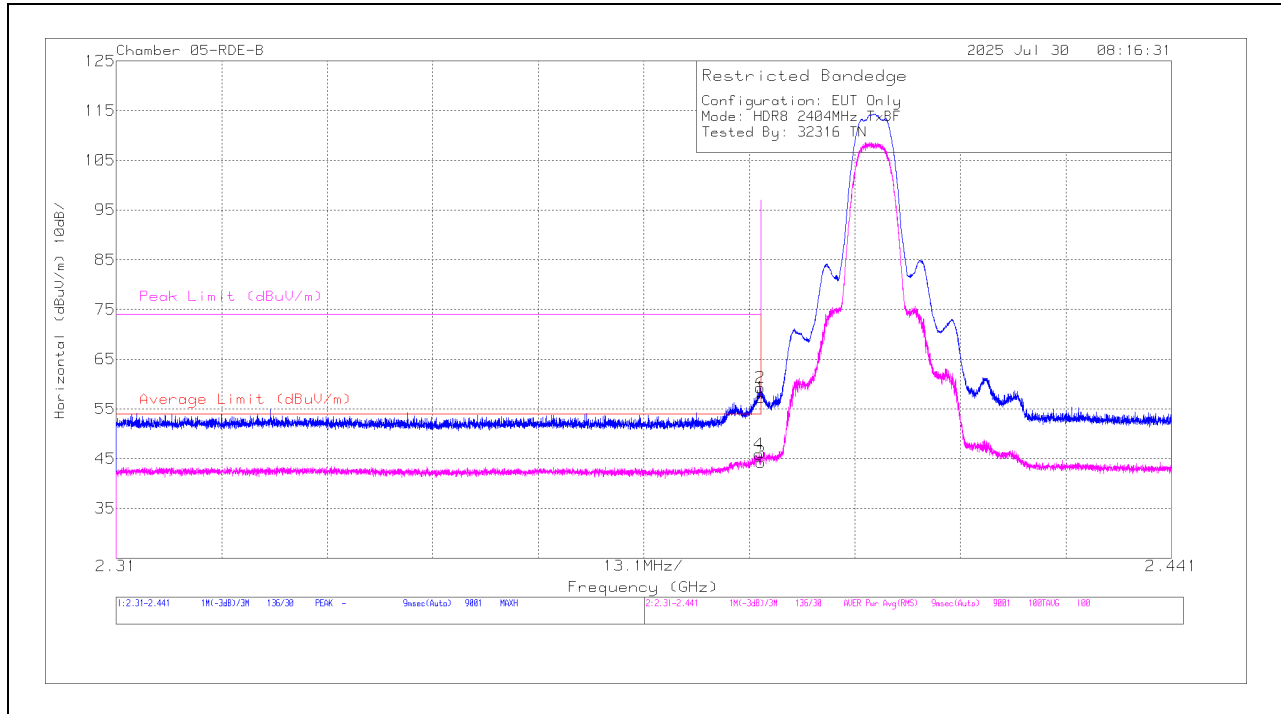
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	69.32	Pk	32.2	0	-40.39	61.13	-	-	74	-12.87	33	114	V
3	*2.4835	56.75	RMS	32.2	1.28	-40.39	49.83	54	-4.17	-	-	33	114	V
4	*2.483539	57.65	RMS	32.2	1.28	-40.38	50.74	54	-3.26	-	-	33	114	V
2	*2.485748	70.2	Pk	32.3	0	-40.37	62.13	-	-	74	-11.87	33	114	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**

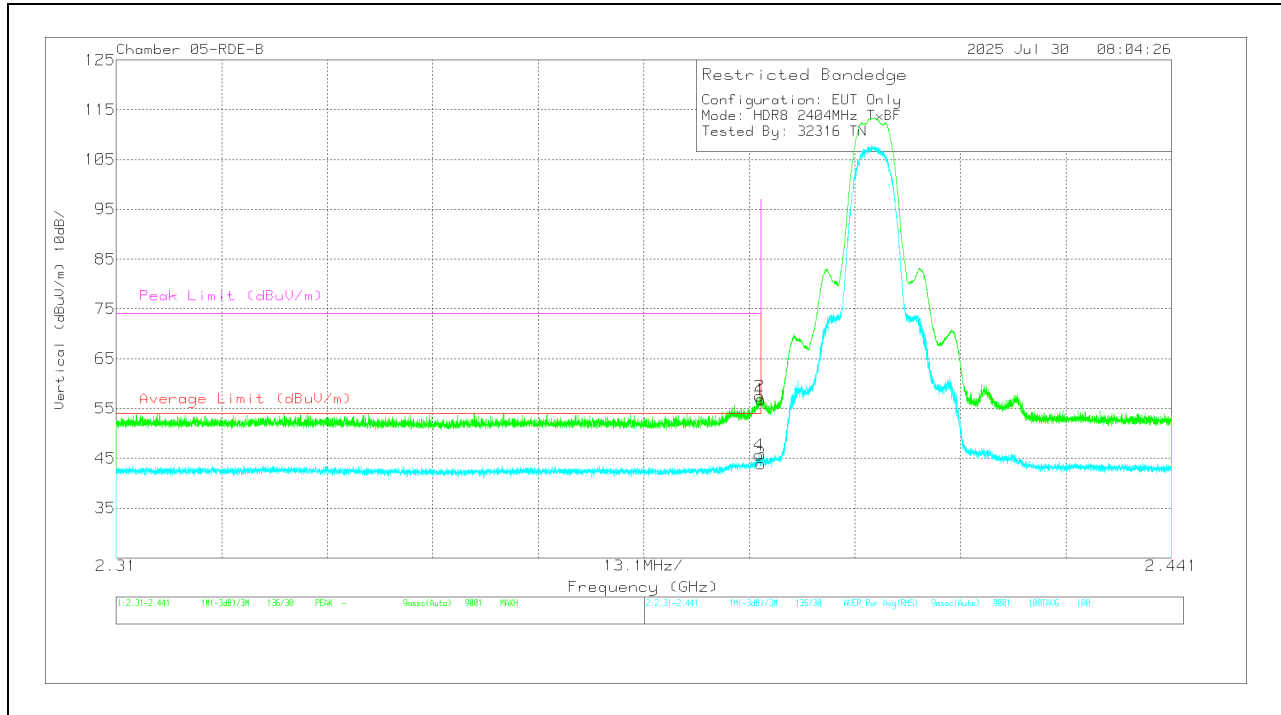
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 AGF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
4	*2.389825	53.06	RMS	32	1.28	-40.39	45.94	54	-8.06	-	-	96	274	H
2	*2.389956	67.72	Pk	32	0	-40.39	59.33	-	-	74	-14.67	96	274	H
1	*2.39	65.66	Pk	32	0	-40.39	57.27	-	-	74	-16.73	96	274	H
3	*2.39	51.45	RMS	32	1.28	-40.39	44.33	54	-9.67	-	-	96	274	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.389825	52.79	RMS	32	1.28	-40.39	45.67	54	-8.33	-	-	309	359	V
2	*2.389912	65.86	Pk	32	0	-40.39	57.47	-	-	74	-16.53	309	359	V
1	*2.39	65.22	Pk	32	0	-40.39	56.83	-	-	74	-17.17	309	359	V
3	*2.39	50.98	RMS	32	1.28	-40.39	43.86	54	-10.14	-	-	309	359	V

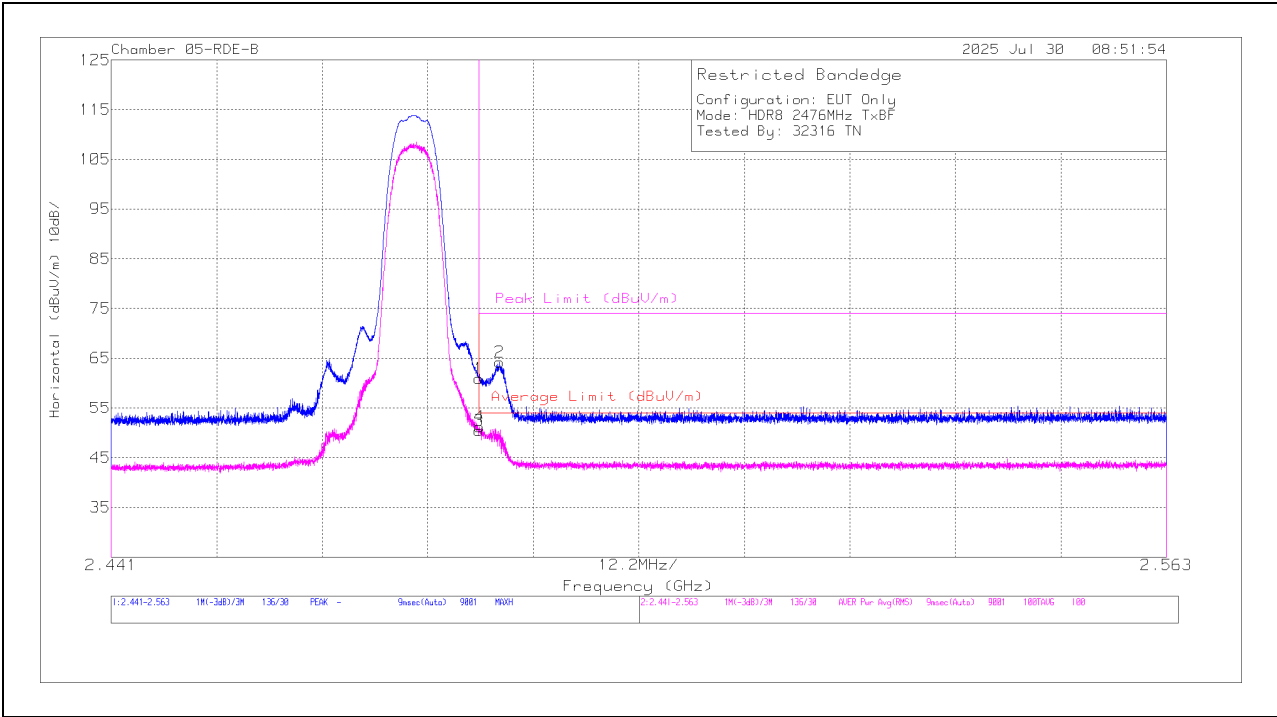
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

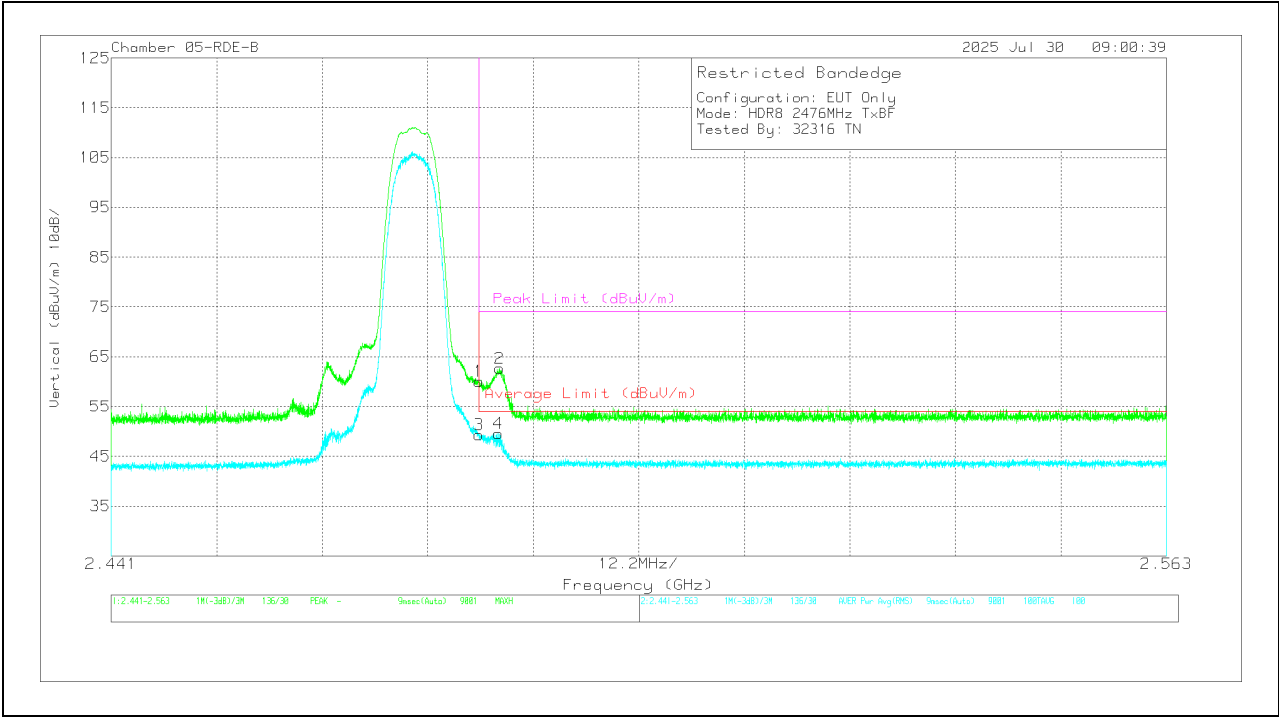


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	69.14	Pk	32.2	0	-40.39	60.95	-	-	74	-13.05	83	114	H
3	*2.4835	57.34	RMS	32.2	1.28	-40.39	50.42	54	-3.58	-	-	83	114	H
4	*2.483579	58.12	RMS	32.2	1.28	-40.38	51.21	54	-2.79	-	-	83	114	H
2	*2.485925	72.3	Pk	32.3	0	-40.38	64.22	-	-	74	-9.78	83	114	H

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

Pk - Peak detector
RMS - RMS detection

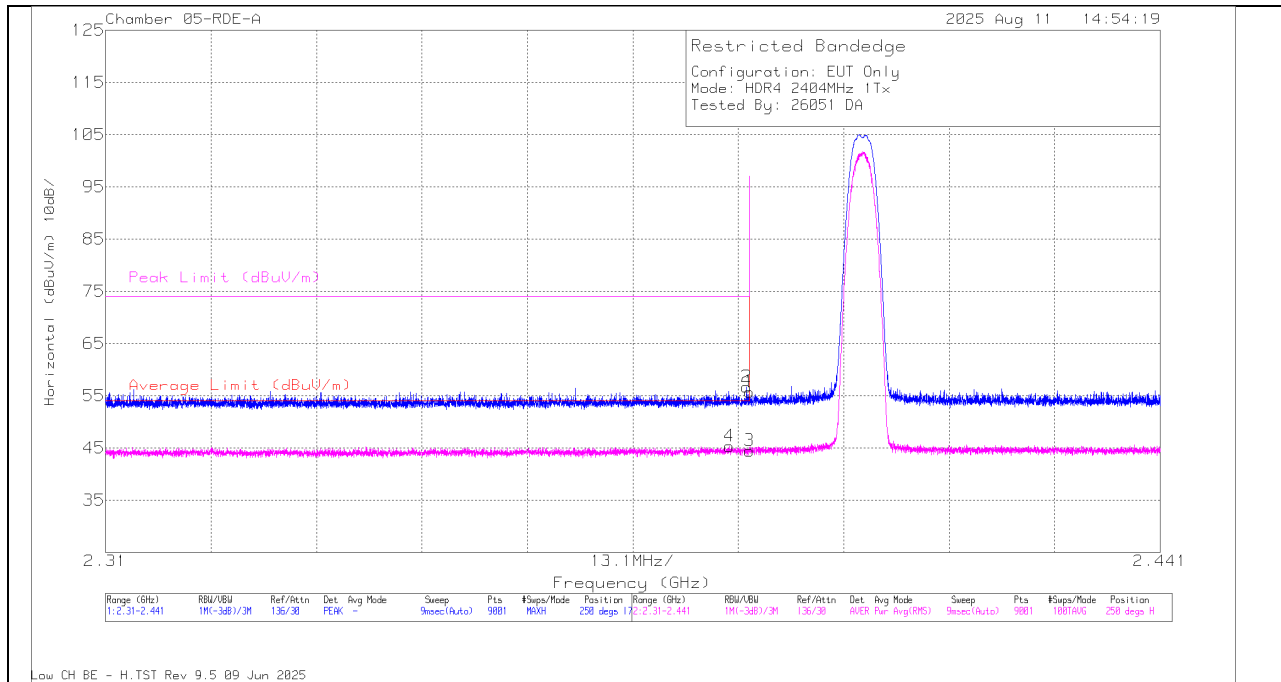
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	68.25	Pk	32.2	0	-40.39	60.06	-	-	74	-13.94	138	382	V
3	*2.4835	56.2	RMS	32.2	1.28	-40.39	49.28	54	-4.72	-	-	138	382	V
4	*2.485748	56.42	RMS	32.3	1.28	-40.37	49.62	54	-4.38	-	-	138	382	V
2	*2.485911	70.72	Pk	32.3	0	-40.38	62.64	-	-	74	-11.36	138	382	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 2****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

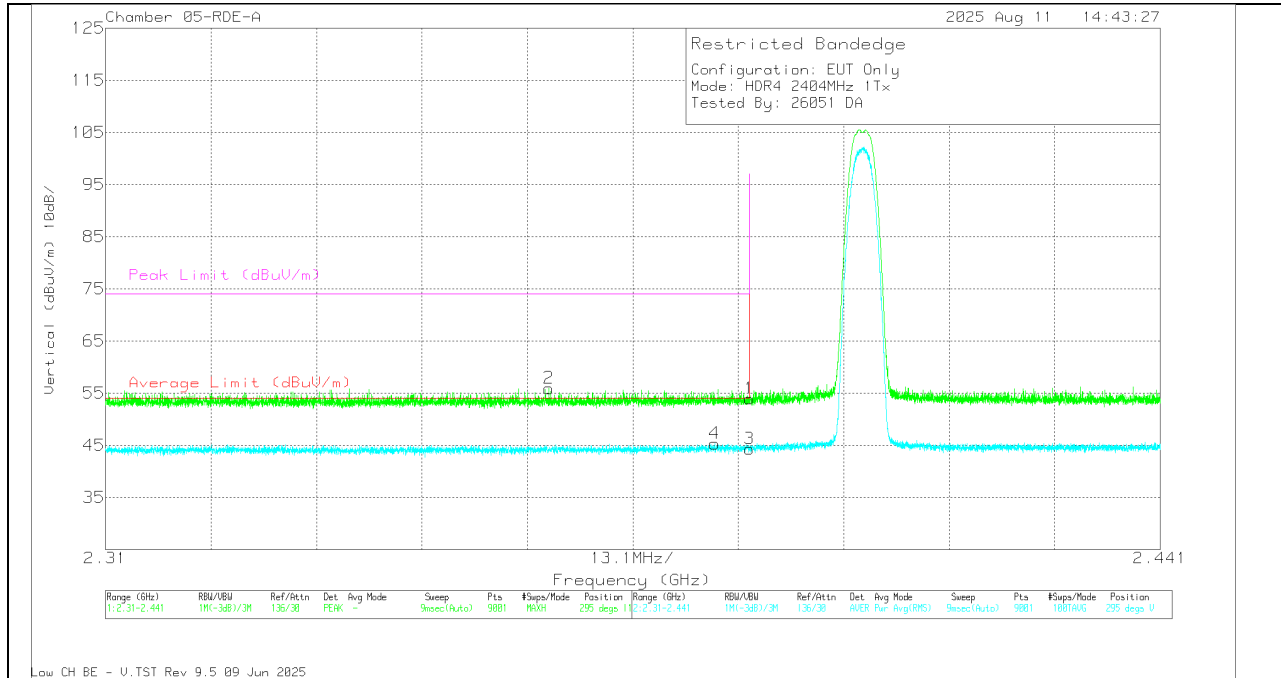
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226871 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	62.59	Pk	32.6	0	-39.5	55.69	-	-	74	-18.31	250	171	H
2	* 2.389621	63.62	Pk	32.6	0	-39.5	56.72	-	-	74	-17.28	250	171	H
3	* 2.39	50.08	RMS	32.6	1.28	-39.5	44.46	54	-9.54	-	-	250	171	H
4	* 2.387496	50.83	RMS	32.6	1.28	-39.4	45.31	54	-8.69	-	-	250	171	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

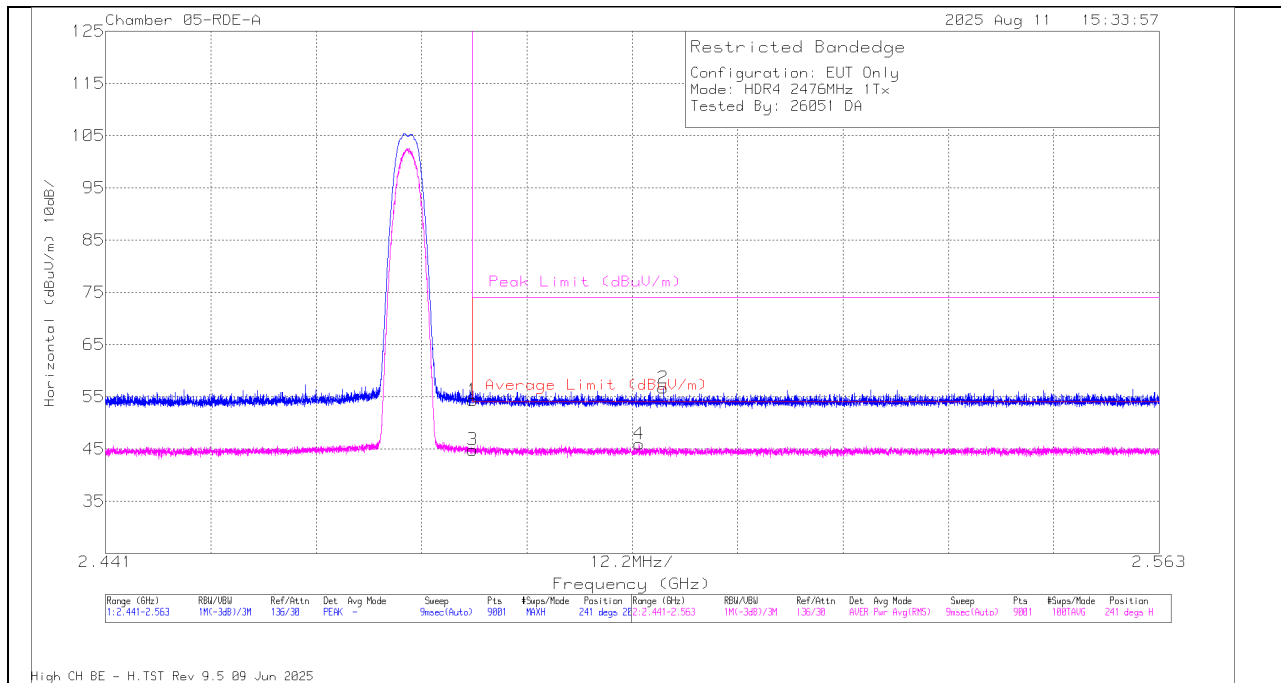


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.84	Pk	32.6	0	-39.5	53.94	-	-	74	-20.06	295	114	V
2	* 2.365051	63.01	Pk	32.5	0	-39.6	55.91	-	-	74	-18.09	295	114	V
3	* 2.39	49.94	RMS	32.6	1.28	-39.5	44.32	54	-9.68	-	-	295	114	V
4	* 2.365662	50.82	RMS	32.6	1.28	-39.4	46.3	54	-8.7	-	-	295	114	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

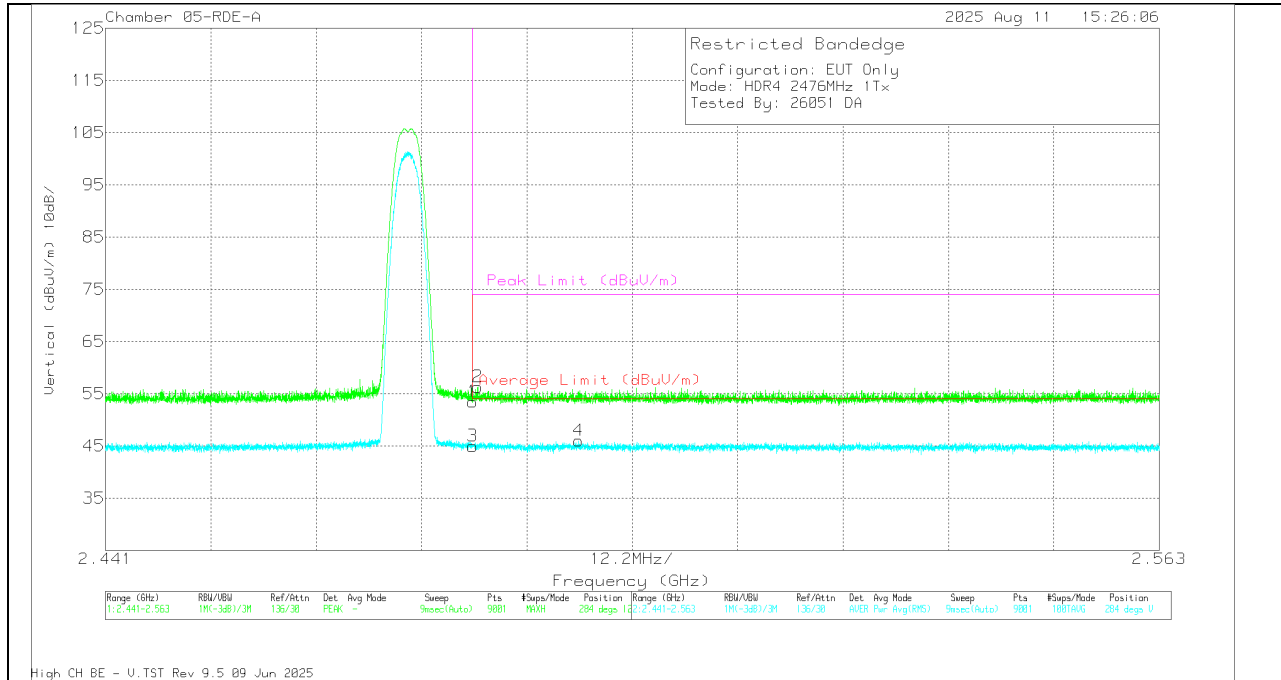
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB/m)	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degrees)	Height (cm)	Polarity
1	* 2.4835	61.02	Pk	32.7	0	-39.4	54.32	-	-	74	-19.68	241	208	H
3	* 2.4835	50.27	RMS	32.7	1.28	-39.4	44.85	54	-9.15	-	-	241	208	H
4	2.502775	51.29	RMS	32.8	1.28	-39.4	45.97	54	-8.03	-	-	241	208	H
2	2.505567	63.24	Pk	32.8	0	-39.36	56.68	-	-	74	-17.32	241	208	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

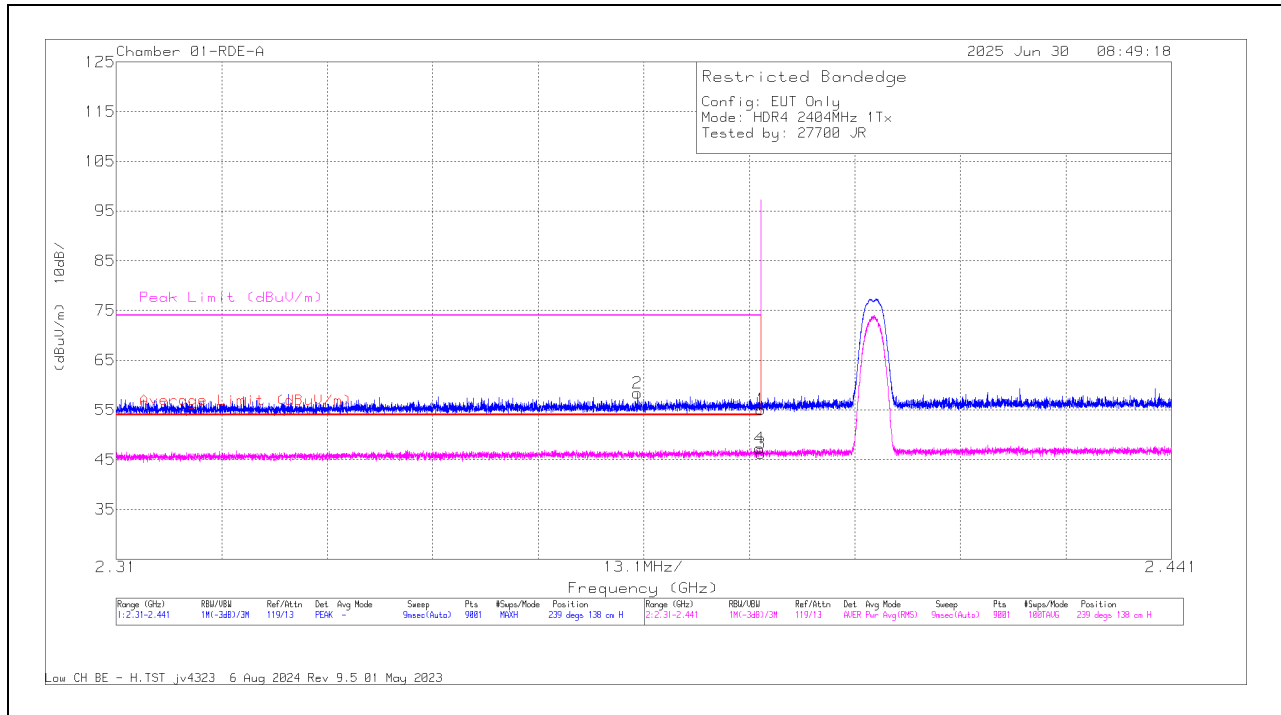


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.15	Pk	32.7	0	-39.4	53.45	-	-	74	-20.55	284	124	V
2	* 2.484095	62.99	Pk	32.7	0	-39.4	56.29	-	-	74	-17.71	284	124	V
3	* 2.4835	50.36	RMS	32.7	1.28	-39.4	44.94	54	-9.06	-	-	284	124	V
4	* 2.495766	51.33	RMS	32.8	1.28	-39.4	46.01	54	-7.99	-	-	284	124	V

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

Pk - Peak detector

RMS - RMS detection

ANT 1**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

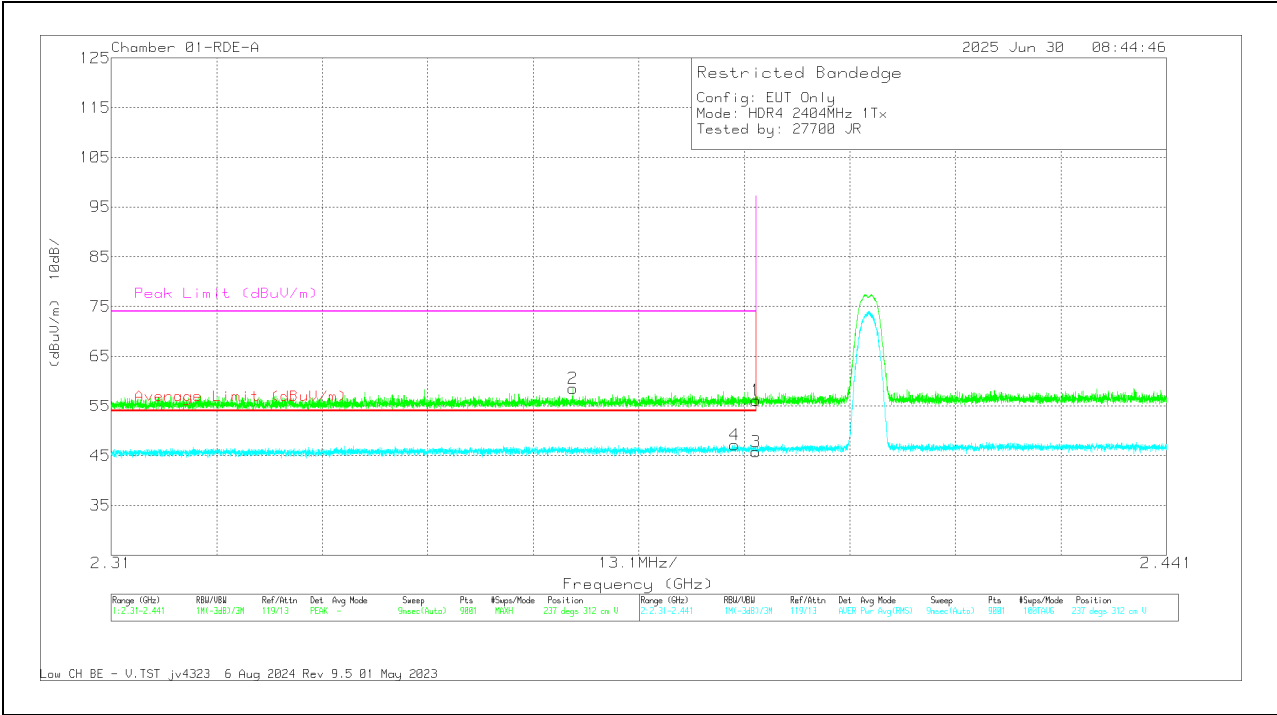
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200784 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.73	Pk	32.4	0	-17.98	55.15	-	-	74	-18.85	239	138	H
2	* 2.374745	44.13	Pk	32.3	0	-18.06	58.37	-	-	74	-15.63	239	138	H
3	* 2.39	30.62	RMS	32.4	1.28	-17.98	46.32	54	-7.68	-	-	239	138	H
4	* 2.389912	31.59	RMS	32.4	1.28	-17.98	47.29	54	-6.71	-	-	239	138	H

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

Pk - Peak detector

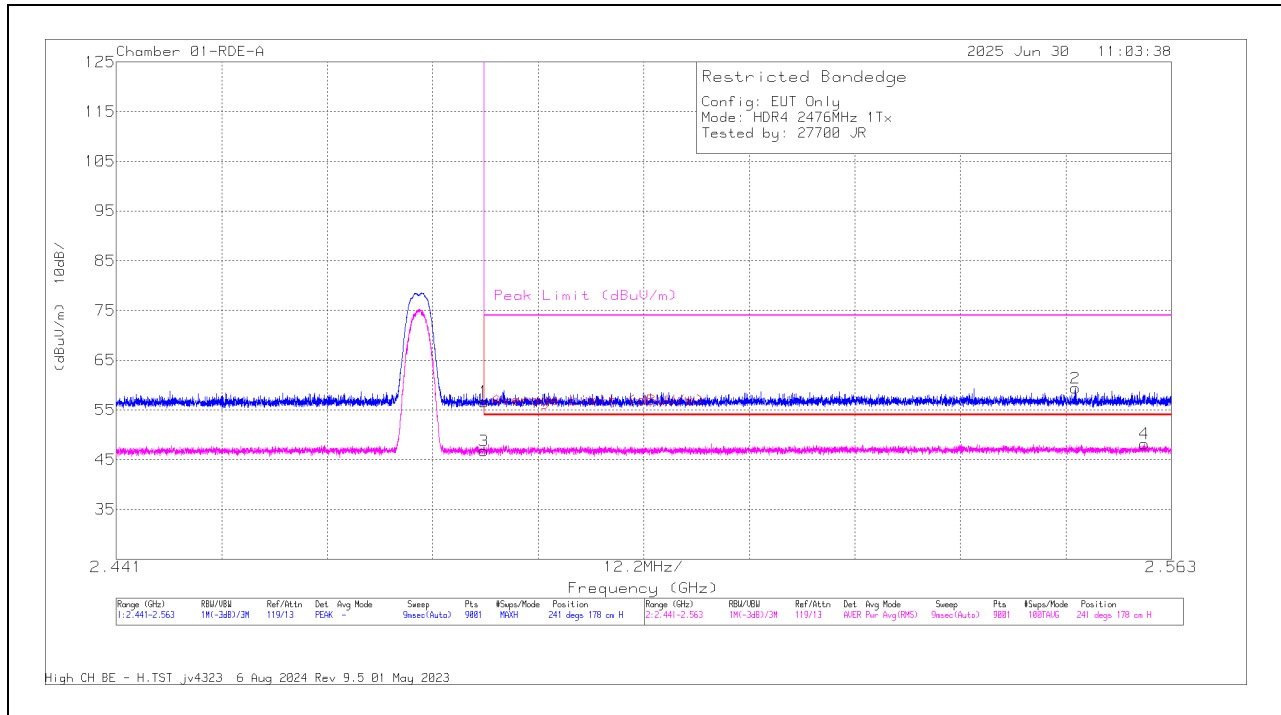
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200784 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.73	Pk	32.4	0	-17.98	56.15	-	-	74	-17.85	237	312	V
2	* 2.367292	44.32	Pk	32.3	0	-18.08	58.54	-	-	74	-15.46	237	312	V
3	* 2.39	30.14	RMS	32.4	1.28	-17.98	45.84	54	-8.16	-	-	237	312	V
4	* 2.387409	31.5	RMS	32.4	1.28	-18.01	47.17	54	-6.83	-	-	237	312	V

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

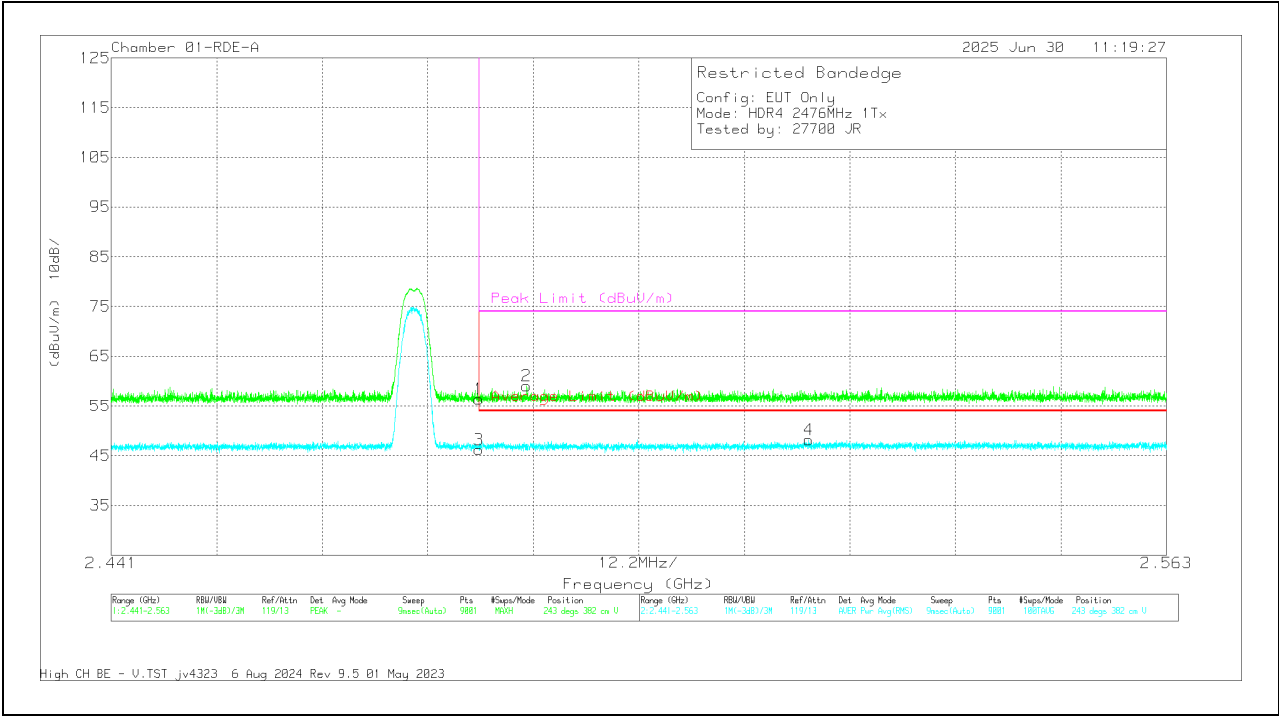
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200794 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	41.76	PK	32.4	0	-17.53	59.63	-	-	74	-17.37	241	178	H
3	* 2.4835	30.6	RMS	32.4	1.28	-17.53	46.74	54	-7.26	-	-	241	178	H
2	2.551915	44.26	PK	32.4	0	-17.3	59.36	-	-	74	-14.64	241	178	H
4	2.5599	31.84	RMS	32.3	1.28	-17.26	48.15	54	-5.85	-	-	241	178	H

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

PK - Peak detector

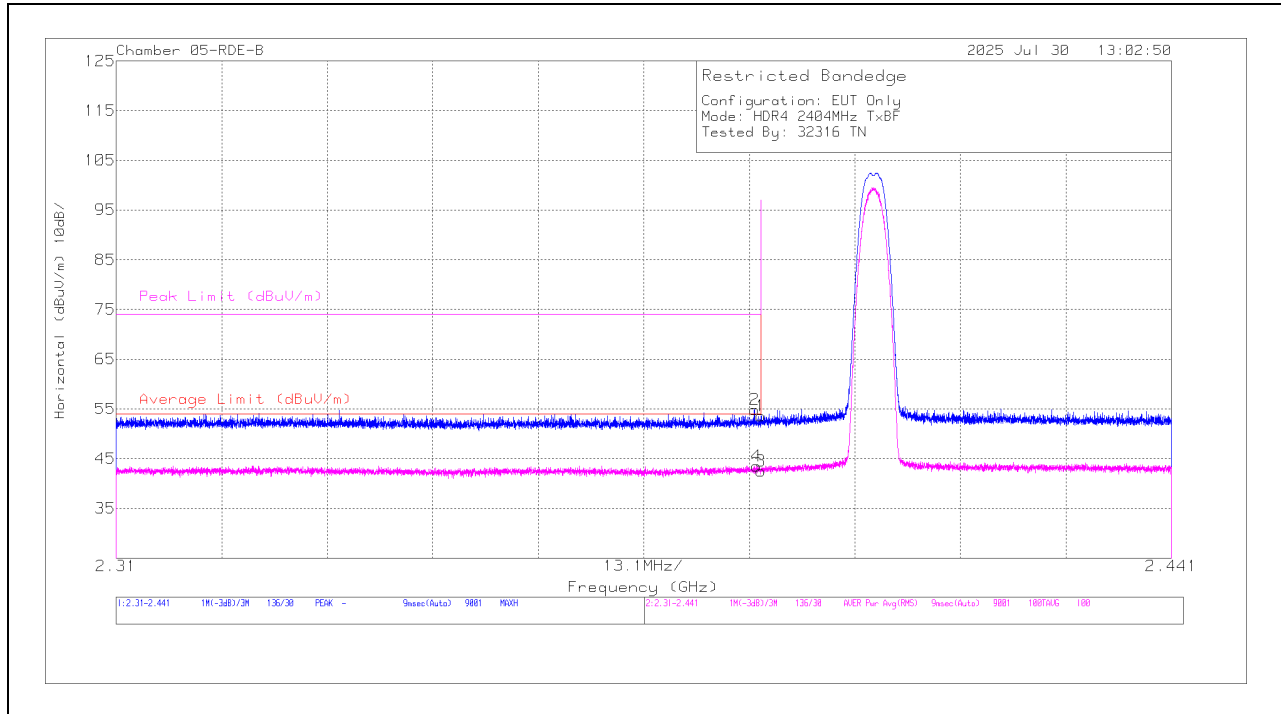
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200784 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	41.5	Pk	32.4	0	-17.53	56.37	-	-	74	-17.63	243	382	V
2	* 2.489029	44.12	Pk	32.4	0	-17.48	59.04	-	-	74	-14.96	243	382	V
3	* 2.4835	30.09	RMS	32.4	1.28	-17.53	46.23	54	-7.77	-	-	243	382	V
4	2.521658	31.72	RMS	32.5	1.28	-17.35	48.14	54	-5.86	-	-	243	382	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**

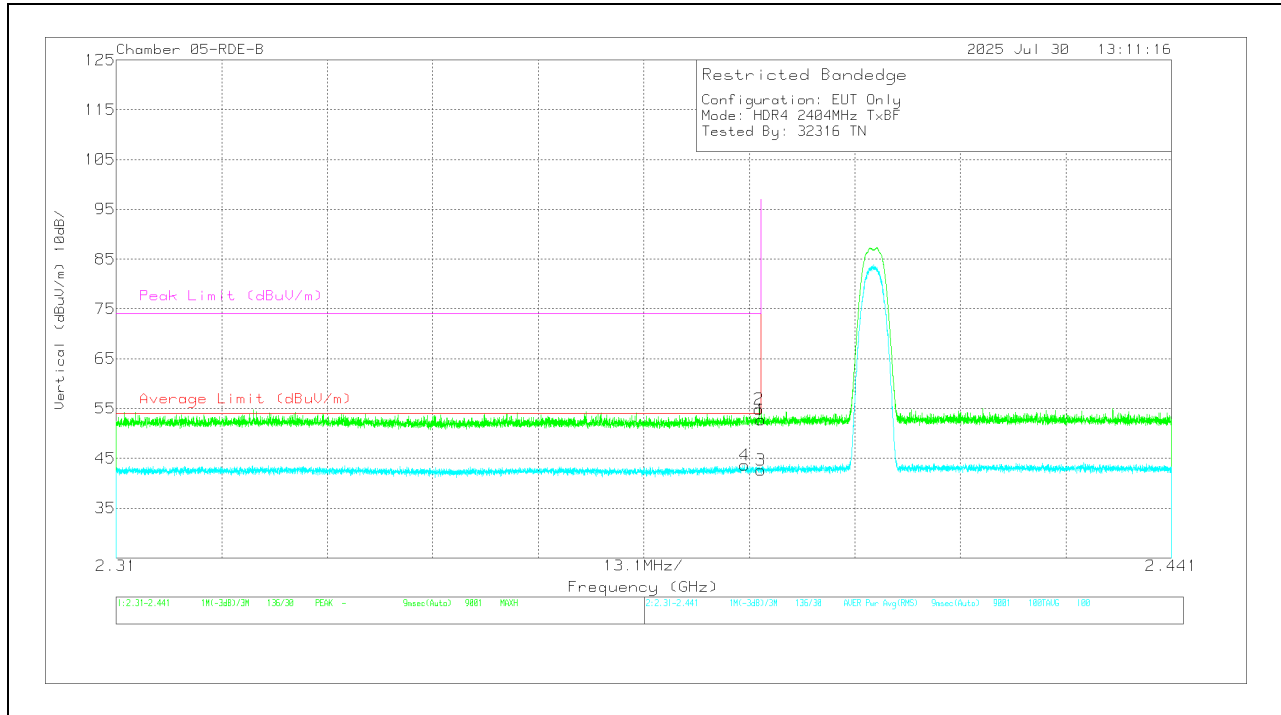
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226472 AGF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.389228	63.27	Pk	32	0	-40.38	54.89	-	-	74	-19.11	271	126	H
4	*2.38949	50.68	RMS	32	1.28	-40.38	43.57	54	-10.43	-	-	271	126	H
1	*2.39	61.99	Pk	32	0	-40.39	53.6	-	-	74	-20.4	271	126	H
3	*2.39	49.63	RMS	32	1.28	-40.39	42.51	54	-11.49	-	-	271	126	H

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

Pk - Peak detector

RMS - RMS detection

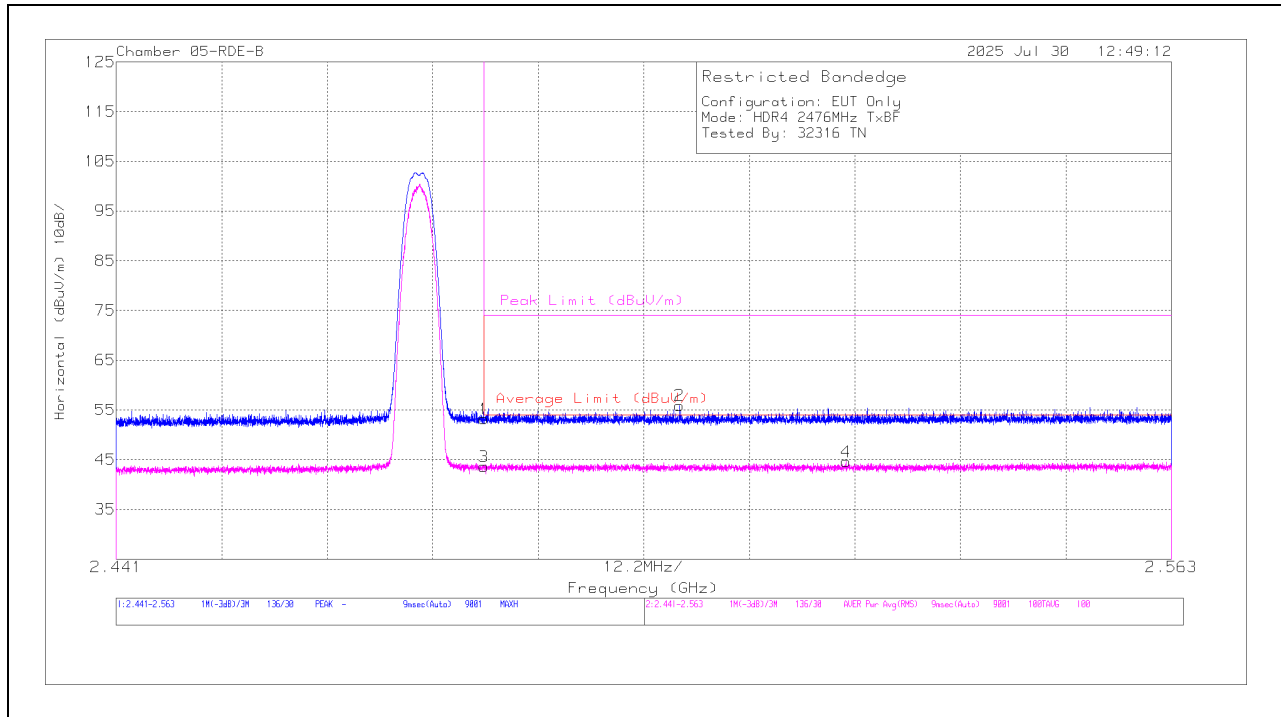
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.387991	50.74	RMS	32	1.28	-40.38	43.64	54	-10.36	-	-	96	124	V
2	*2.389767	63.22	Pk	32	0	-40.39	54.83	-	-	74	-19.17	96	124	V
1	*2.39	61.09	Pk	32	0	-40.39	52.7	-	-	74	-21.3	96	124	V
3	*2.39	49.76	RMS	32	1.28	-40.39	42.65	54	-11.35	-	-	96	124	V

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

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

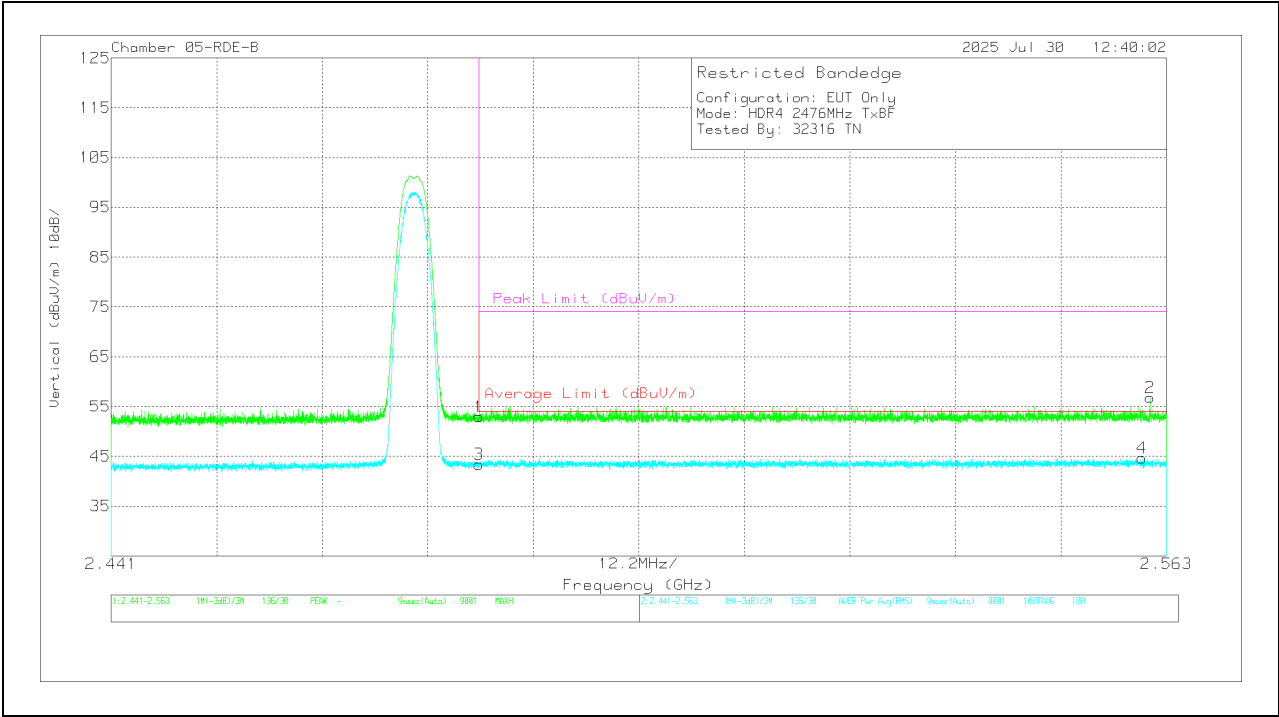
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.36	Pk	32.2	0	-40.39	53.17	-	-	74	-20.83	279	104	H
3	*2.4835	50.49	RMS	32.2	1.28	-40.39	43.58	54	-10.42	-	-	279	104	H
2	*2.506109	63.97	Pk	32.3	0	-40.34	55.93	-	-	74	-18.07	279	104	H
4	*2.525413	51.25	RMS	32.3	1.28	-40.24	44.59	54	-9.41	-	-	279	104	H

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

Pk - Peak detector

RMS - RMS detection

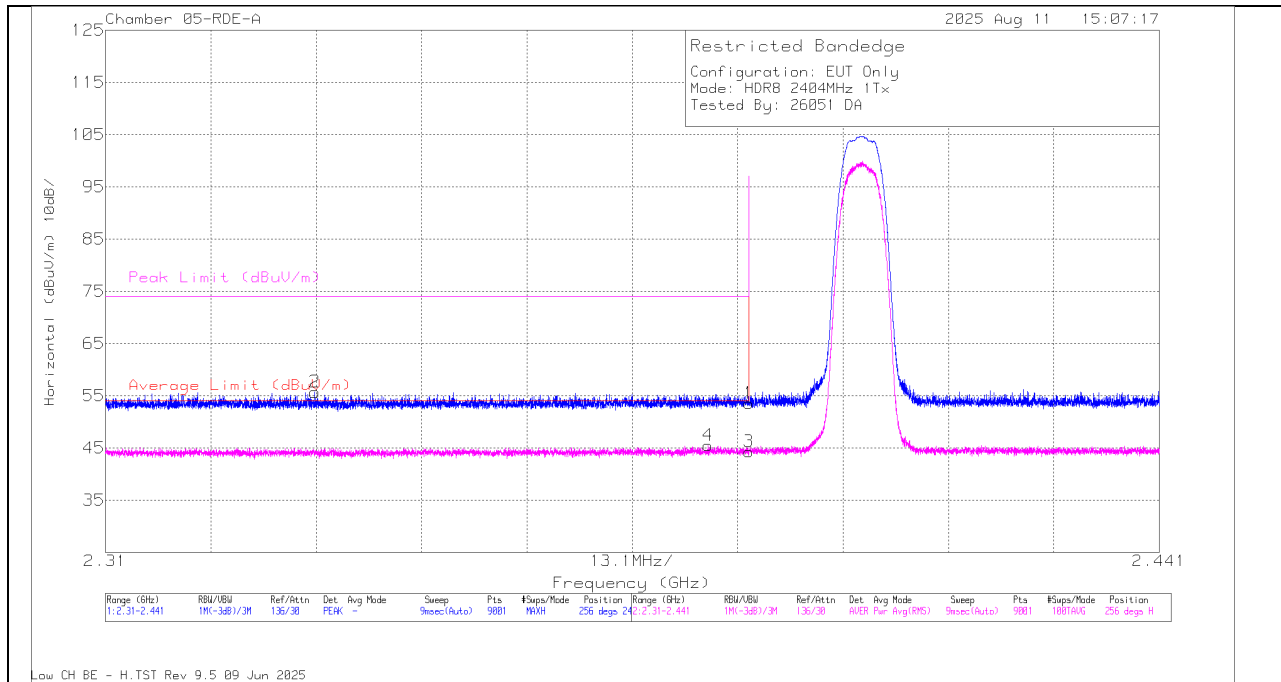
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.11	Pk	32.2	0	-40.39	52.92	-	-	74	-21.08	305	335	V
3	*2.4835	50.27	RMS	32.2	1.28	-40.39	43.36	54	-10.64	-	-	305	335	V
4	*2.560198	51.17	RMS	32.3	1.28	-40.1	44.65	54	-9.35	-	-	305	335	V
2	*2.561079	64.61	Pk	32.3	0	-40.09	56.82	-	-	74	-17.18	305	335	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 2****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

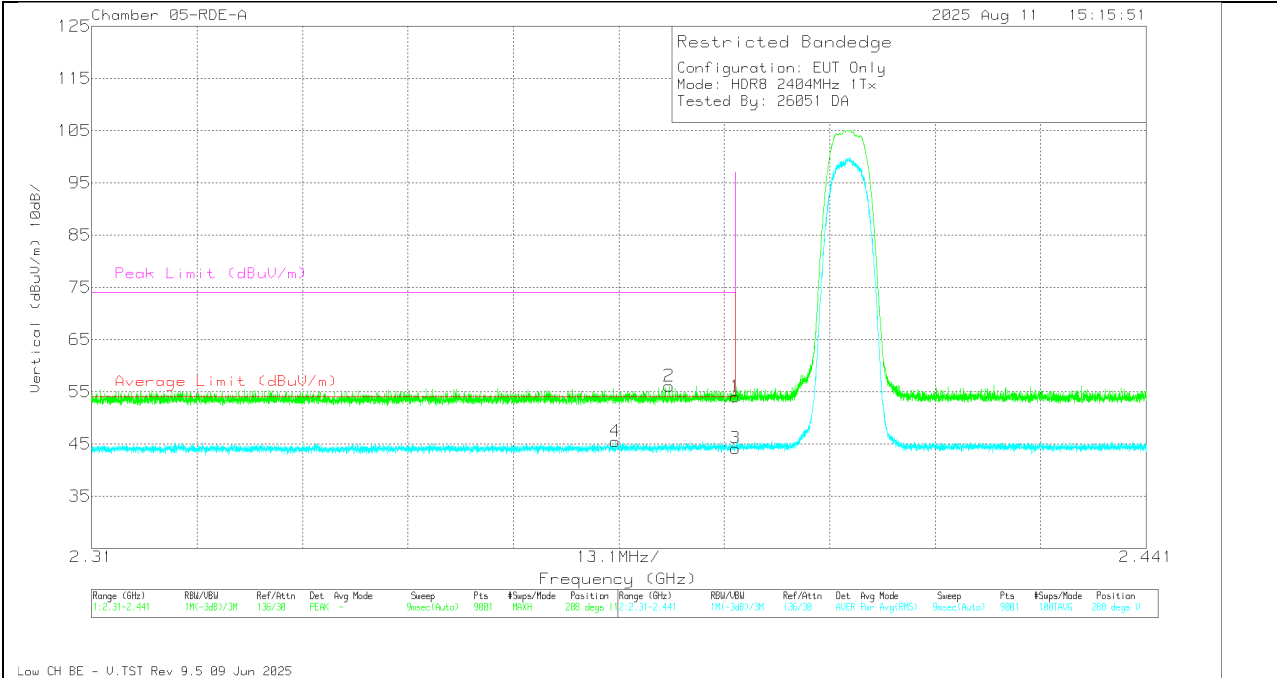
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.44	Pk	32.6	0	-39.5	53.54	-	-	74	-20.46	256	246	H
2	* 2.336026	62.86	Pk	32.4	0	-39.6	55.66	-	-	74	-18.34	256	246	H
3	* 2.39	49.92	RMS	32.6	1.28	-39.5	44.29	54	-9.71	-	-	256	246	H
4	* 2.38492	51.02	RMS	32.6	1.28	-39.4	45.49	54	-8.51	-	-	256	246	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

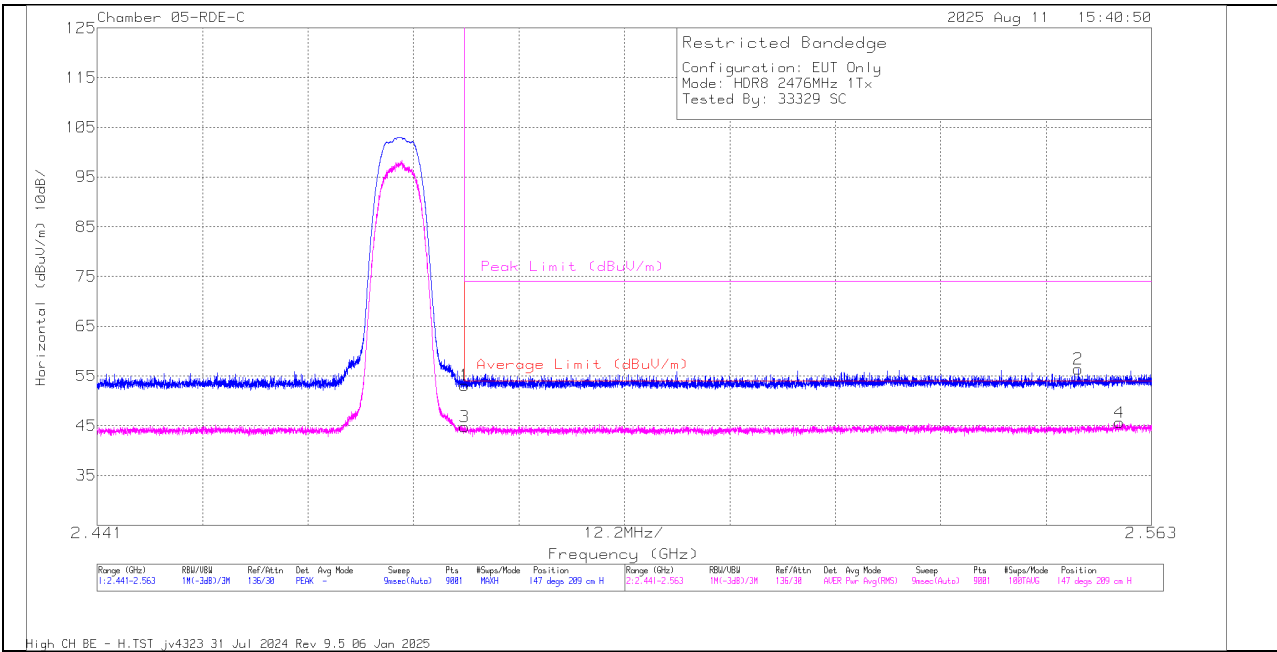


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.9	Pk	32.6	0	-39.5	54	-	-	74	-20	288	119	V
2	* 2.381747	63	Pk	32.6	0	-39.53	56.07	-	-	74	-17.93	288	119	V
3	* 2.39	49.81	RMS	32.6	1.28	-39.5	44.18	54	-9.82	-	-	288	119	V
4	* 2.375065	51.21	RMS	32.6	1.28	-39.6	45.48	54	-8.52	-	-	288	119	V

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

BANEDGE (HIGH CHANNEL)

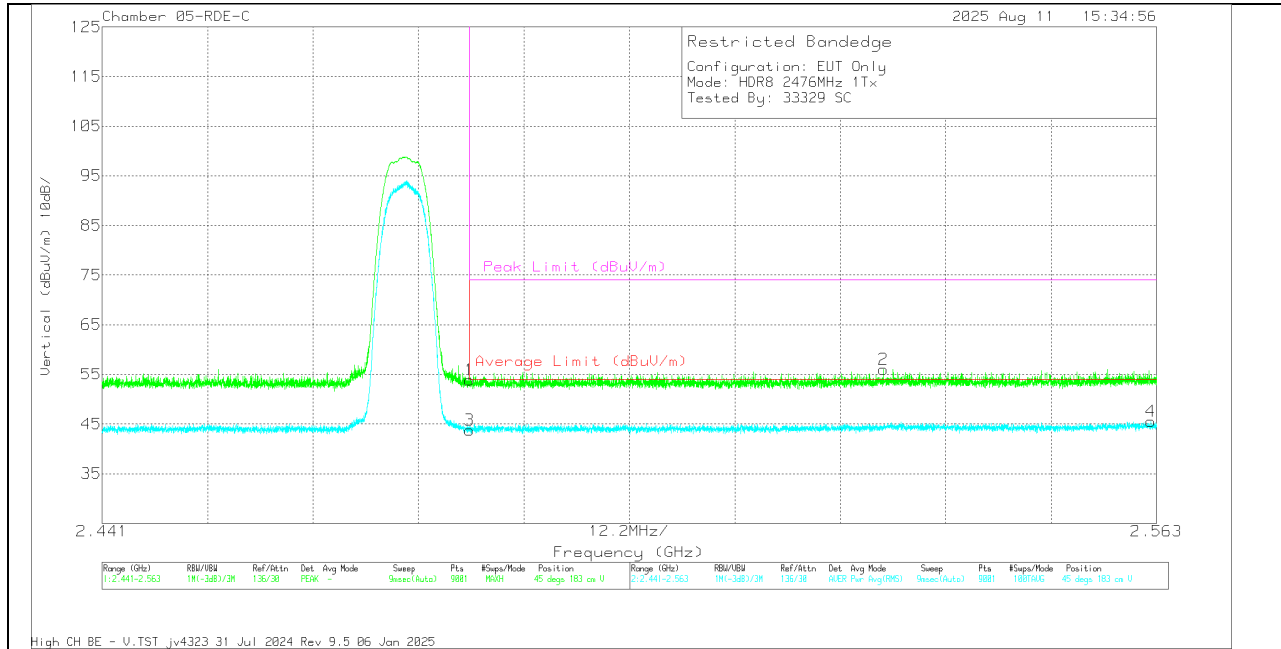
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	61.23	Pk	32.2	0	-40.35	53.08	-	-	74	-20.92	147	209	H
3	2.4835	51.69	RMS	32.2	1.28	-40.35	44.81	54	-9.19	-	-	147	209	H
2	2.554545	64.11	Pk	32.4	0	-40.11	56.4	-	-	74	-17.6	147	209	H
4	2.559303	51.81	RMS	32.4	1.28	-39.87	45.61	54	-8.39	-	-	147	209	H

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

VERTICAL RESULT

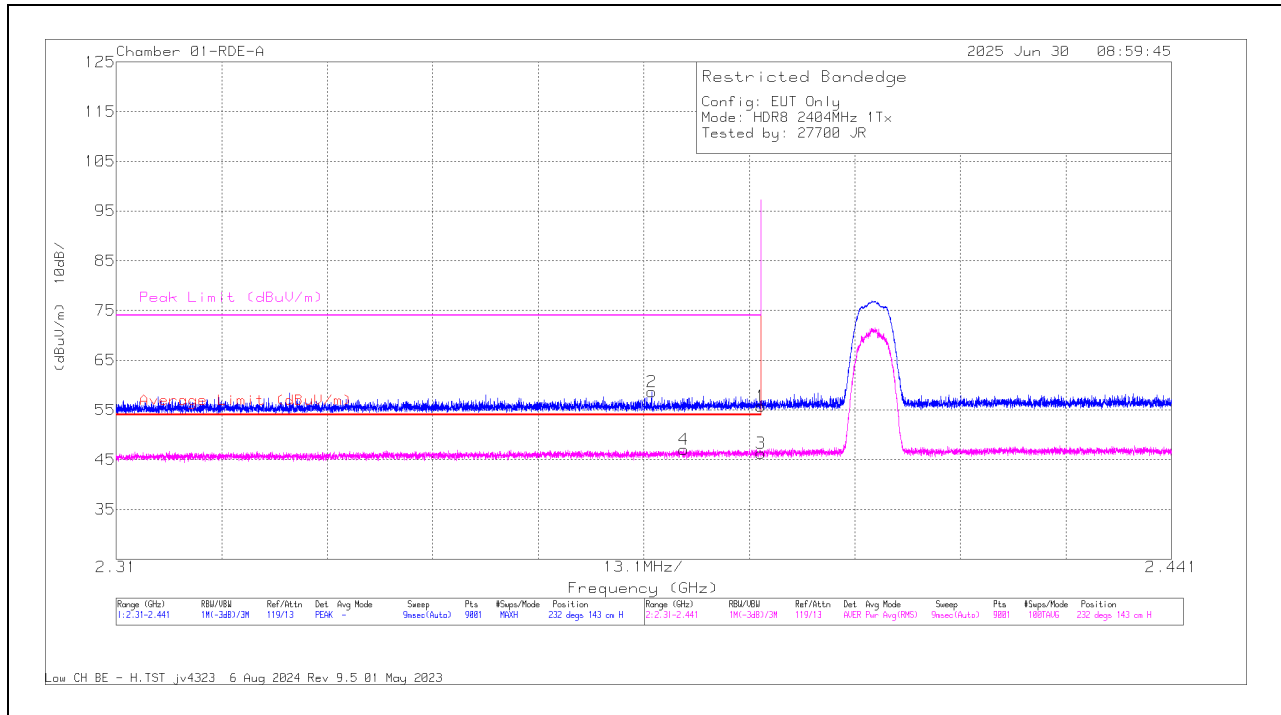


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	62.01	Pk	32.2	0	-40.35	53.86	-	-	74	-20.14	45	183	V
3	2.4835	50.62	RMS	32.2	1.28	-40.35	43.74	54	-10.26	-	-	45	183	V
2	2.531391	63.75	Pk	32.3	0	-40	56.05	-	-	74	-17.95	45	183	V
4	2.562353	51.65	RMS	32.4	1.28	-39.83	45.49	54	-8.51	-	-	45	183	V

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

Pk - Peak detector

RMS - RMS detection

ANT 1**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

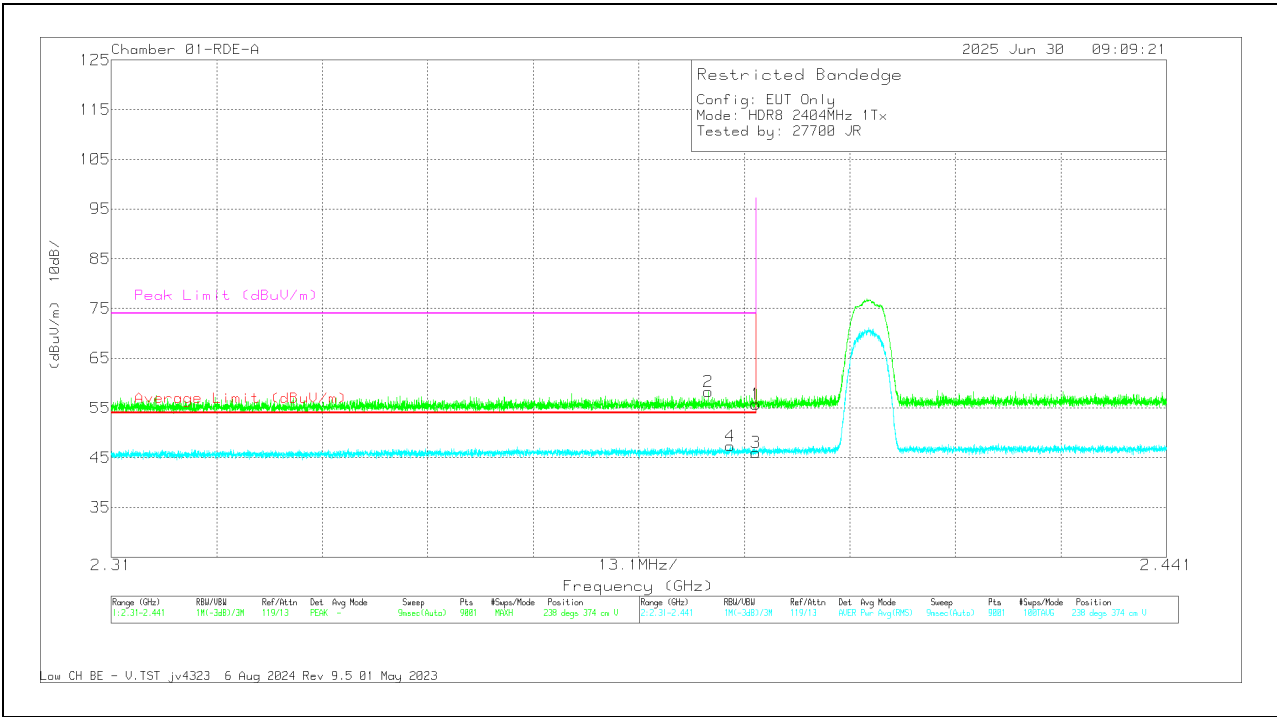
Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	200764 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.31	Pk	32.4	0	-17.98	55.73	-	-	74	-18.27	232	143	H
2	* 2.376463	44.4	Pk	32.3	0	-18.05	58.65	-	-	74	-15.35	232	143	H
3	* 2.39	30.58	RMS	32.4	1.28	-17.98	46.27	54	-7.73	-	-	232	143	H
4	* 2.380436	31.43	RMS	32.4	1.28	-18.03	47.07	54	-6.93	-	-	232	143	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

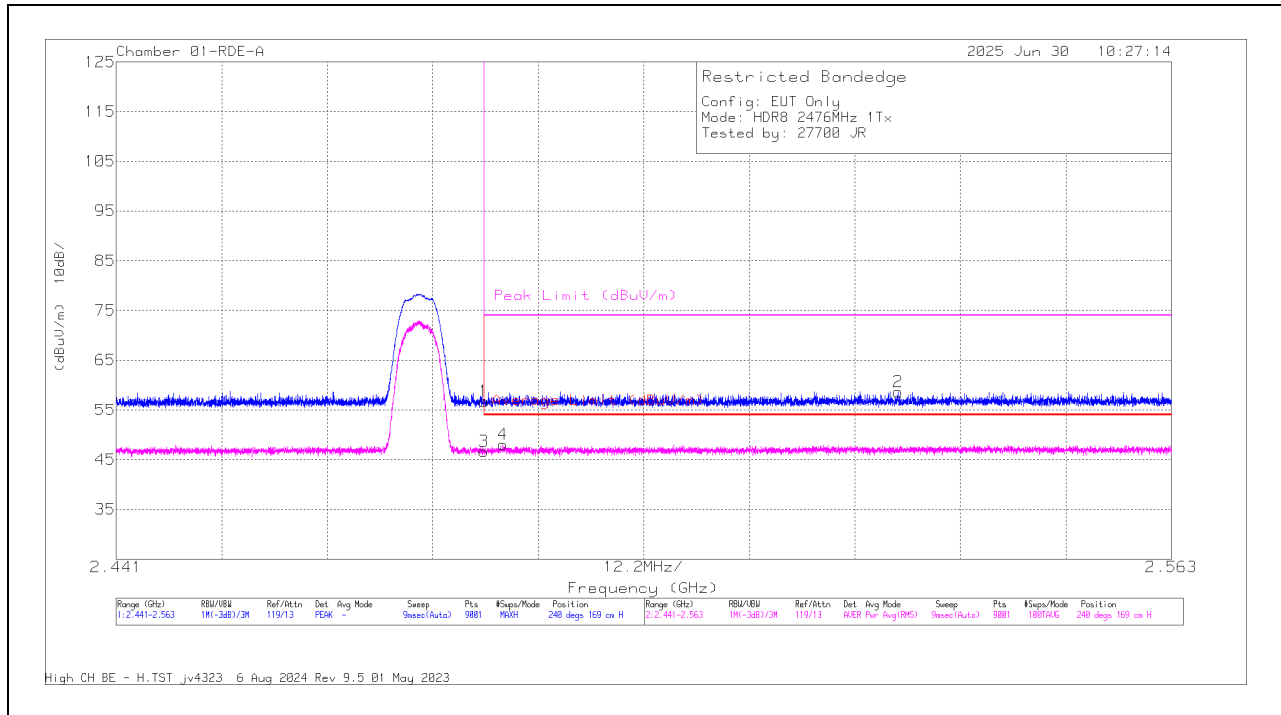


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200764 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	41.32	Pk	32.4	0	-17.98	55.74	-	-	74	-18.26	238	374	V
2	* 2.384105	43.92	Pk	32.4	0	-18.01	58.31	-	-	74	-15.69	238	374	V
3	* 2.39	30.31	RMS	32.4	1.28	-17.98	46.01	54	-7.99	-	-	238	374	V
4	* 2.386812	31.7	RMS	32.4	1.28	-18.02	47.36	54	-6.64	-	-	238	374	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



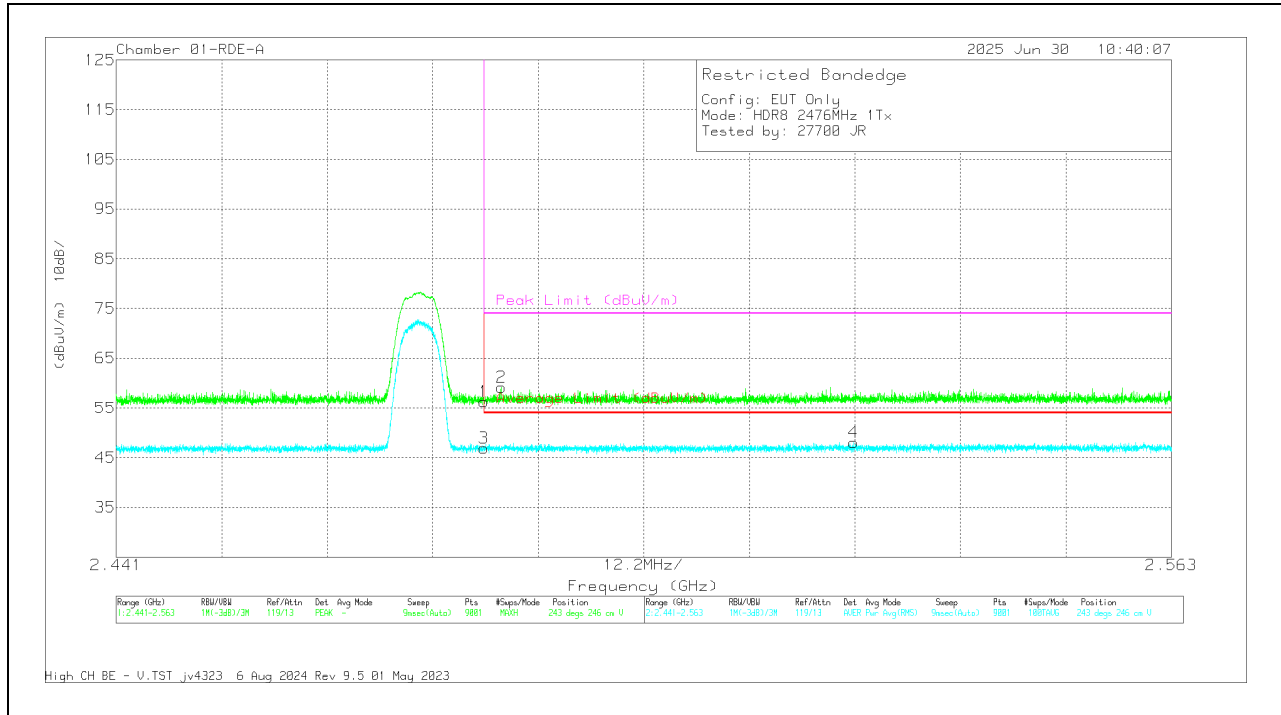
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200794 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (feet)	Height (cm)	Polarity
1	*2.4835	41.91	Pk	32.4	0	-17.53	58.78	-	-	74	-17.22	240	169	H
3	*2.4835	30.58	RMS	32.4	1.28	-17.53	46.72	54	-7.28	-	-	240	169	H
4	*2.485721	31.93	RMS	32.4	1.28	-17.51	48.09	54	-5.91	-	-	240	169	H
2	*2.531405	43.59	Pk	32.4	0	-17.31	58.68	-	-	74	-15.32	240	169	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

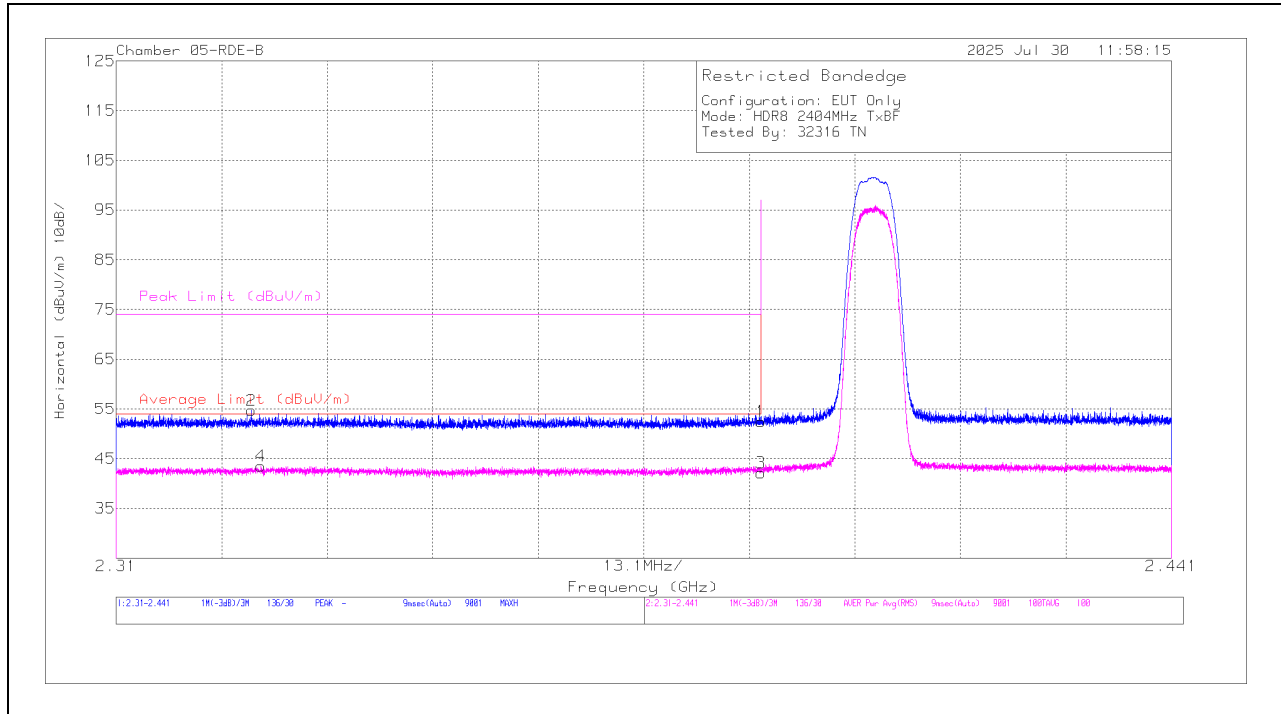


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200784 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	41.41	Pk	32.4	0	-17.53	56.28	-	-	74	-17.72	243	246	V
2	* 2.485545	44.29	Pk	32.4	0	-17.51	59.18	-	-	74	-14.82	243	246	V
3	* 2.4835	30.8	RMS	32.4	1.28	-17.53	46.94	54	-7.06	-	-	243	246	V
4	* 2.526254	31.61	RMS	32.5	1.28	-17.33	48.05	54	-5.95	-	-	243	246	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**

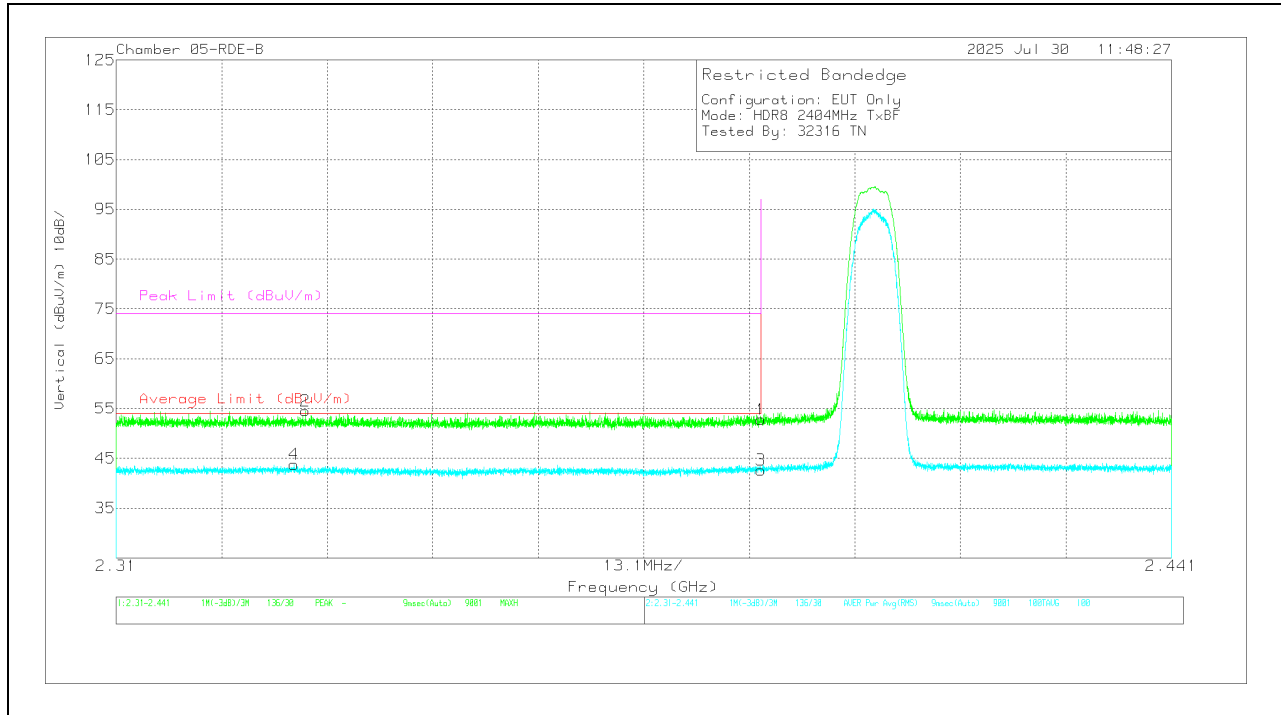
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226472 AGF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.326783	63.48	Pk	31.8	0	-40.59	54.69	-	-	74	-19.31	107	104	H
4	*2.327962	51.05	RMS	31.8	1.28	-40.59	43.53	54	-10.47	-	-	107	104	H
1	*2.39	60.92	Pk	32	0	-40.39	52.53	-	-	74	-21.47	107	104	H
3	*2.39	49.25	RMS	32	1.28	-40.39	42.13	54	-11.87	-	-	107	104	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

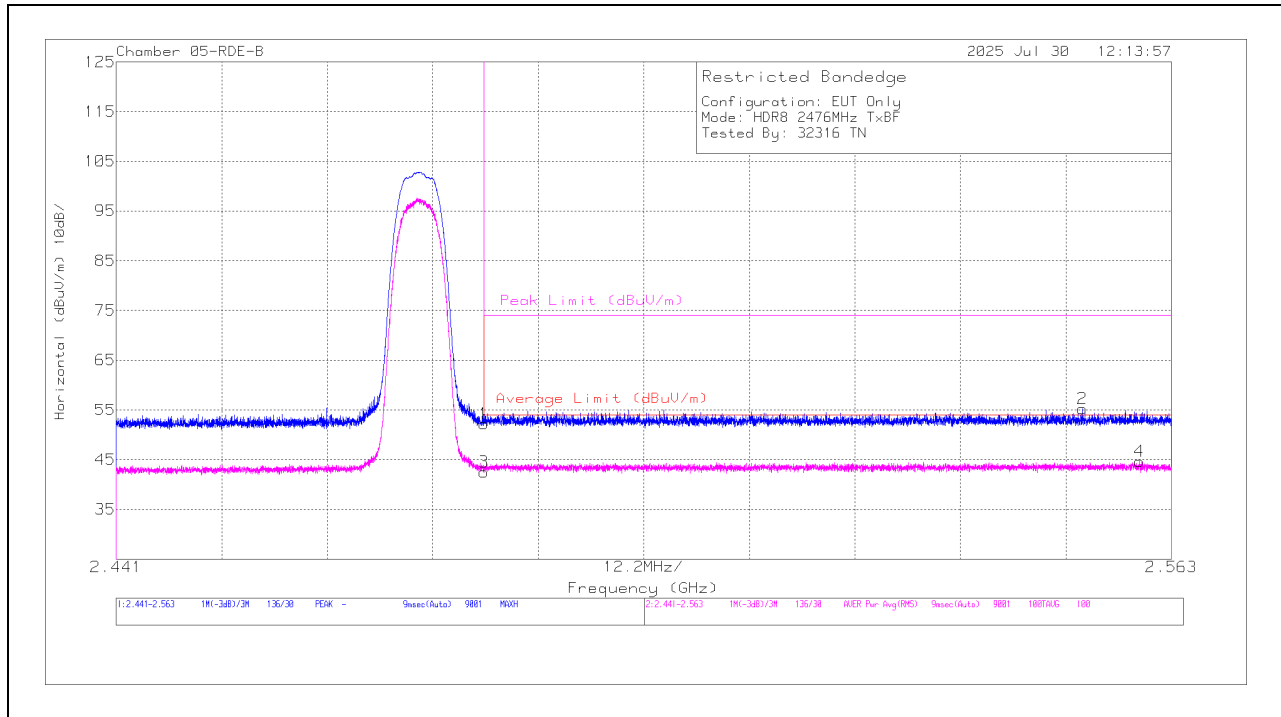


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.332081	51.25	RMS	31.8	1.28	-40.58	43.74	54	-10.26	-	-	142	361	V
2	*2.333493	63.35	Pk	31.8	0	-40.6	54.55	-	-	74	-19.45	142	361	V
1	*2.39	61.19	Pk	32	0	-40.39	52.8	-	-	74	-21.2	142	361	V
3	*2.39	49.74	RMS	32	1.28	-40.39	42.62	54	-11.38	-	-	142	361	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

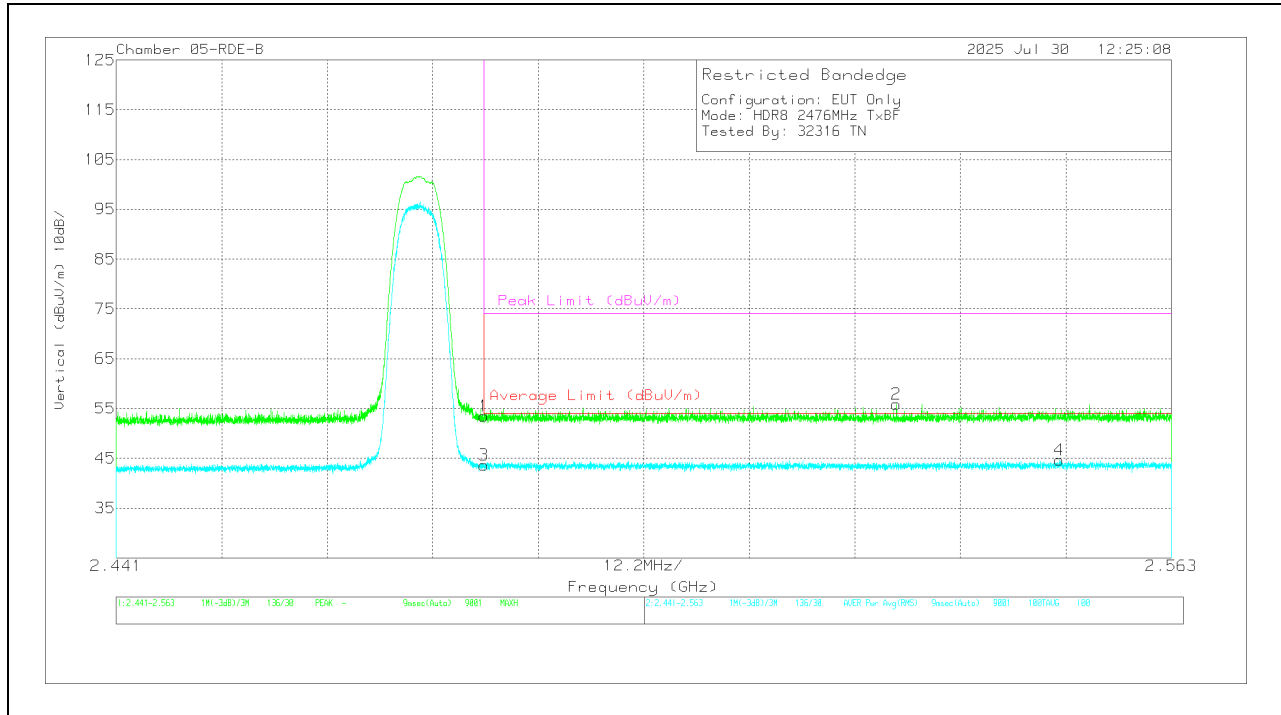
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	60.44	Pk	32.2	0	-40.39	52.25	-	-	74	-21.75	95	101	H
3	*2.4835	49.38	RMS	32.2	1.28	-40.39	42.46	54	-11.54	-	-	95	101	H
2	*2.552701	63.1	Pk	32.3	0	-40.11	55.29	-	-	74	-18.71	95	101	H
4	*2.559317	51.14	RMS	32.3	1.28	-40.09	44.62	54	-9.38	-	-	95	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

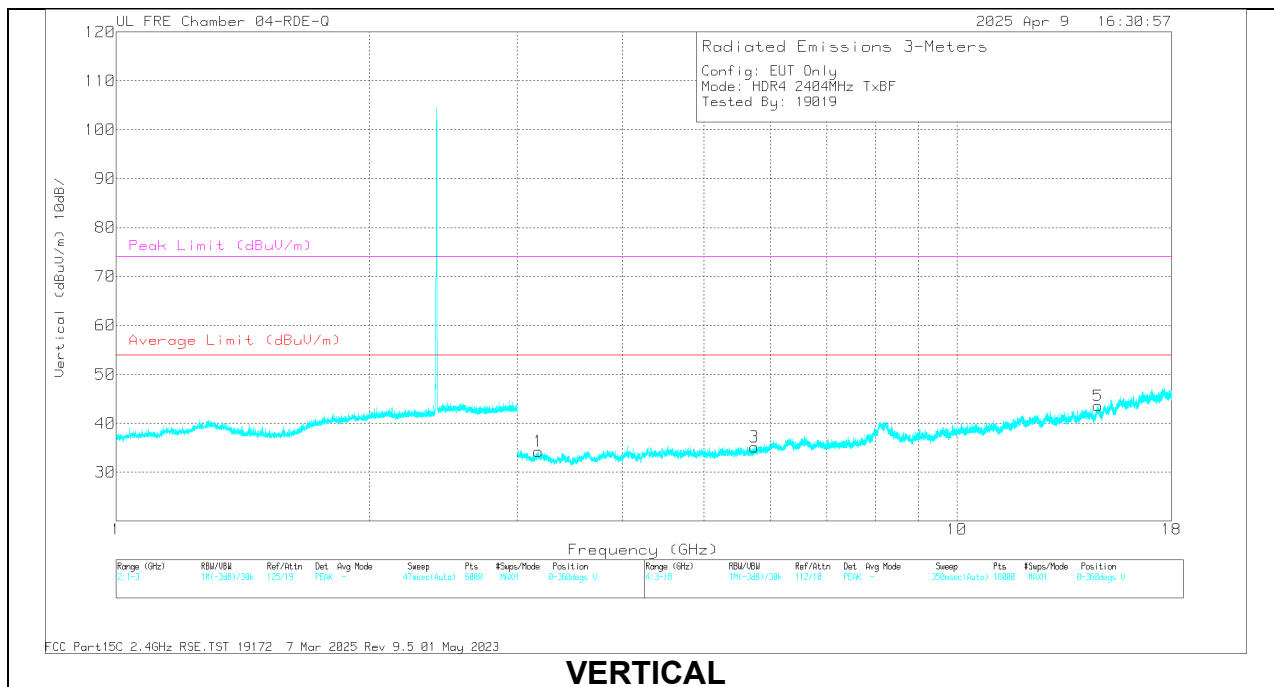
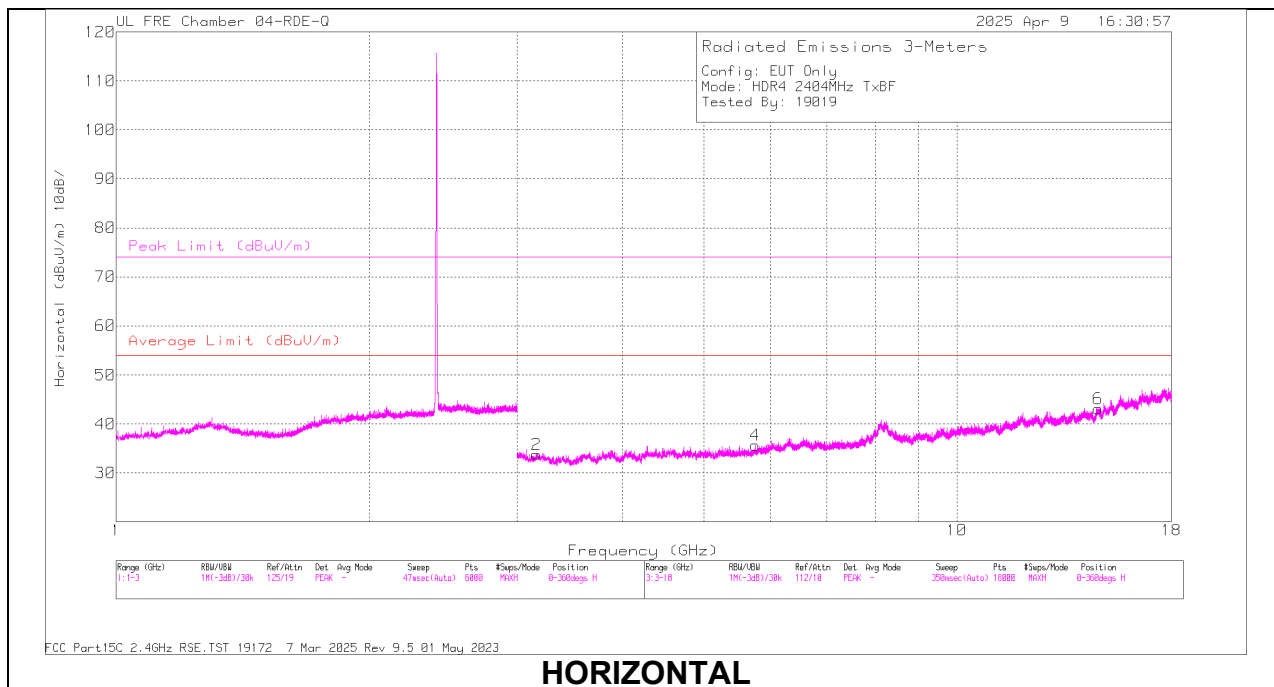


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.7	Pk	32.2	0	-40.39	53.51	-	-	74	-20.49	127	371	V
3	*2.4835	50.57	RMS	32.2	1.28	-40.39	43.65	54	-10.35	-	-	127	371	V
2	*2.531215	63.87	Pk	32.3	0	-40.24	55.93	-	-	74	-18.07	127	371	V
4	*2.550058	51.15	RMS	32.3	1.28	-40.11	44.61	54	-9.39	-	-	127	371	V

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

Pk - Peak detector

RMS - RMS detection

10.2.9. HDR4 TXBF HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

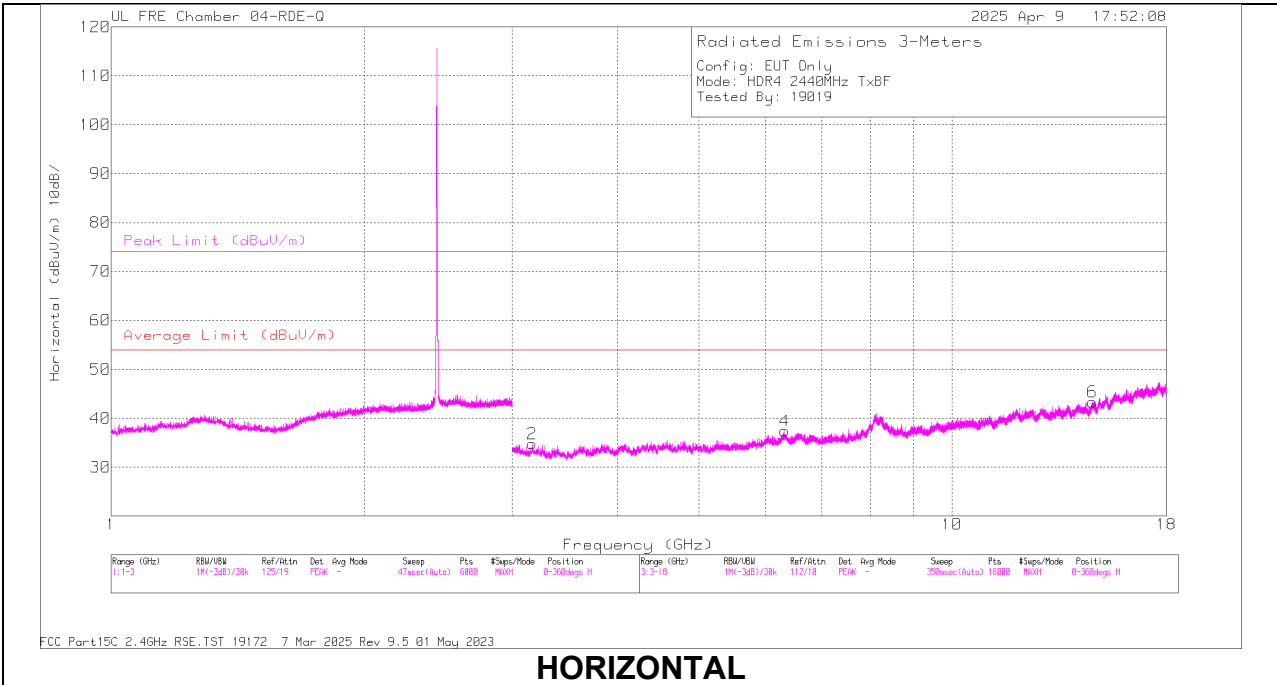
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	3.162272	57.51	PK2	33	0	-46.53	43.98	-	-	-	-	229	161	H
	3.163916	45.52	MAv1	33	1.28	-46.61	33.18	-	-	-	-	229	161	H
1	3.176257	46.05	MAv1	33	1.28	-46.46	33.87	-	-	-	-	154	217	V
	3.176903	57.6	PK2	32.9	0	-46.45	44.05	-	-	-	-	154	217	V
3	5.740828	55.74	PK2	34.8	0	-45.62	44.92	-	-	-	-	208	171	V
	5.744303	44.28	MAv1	34.8	1.28	-45.59	34.77	-	-	-	-	208	171	V
4	5.753491	44.37	MAv1	34.8	1.28	-45.53	34.92	-	-	-	-	160	250	H
	5.753727	56.2	PK2	34.8	0	-45.54	45.46	-	-	-	-	160	250	H
5	14.721476	44.39	MAv1	39.3	1.28	-42.26	42.71	-	-	-	-	253	254	V
	14.722577	56.42	PK2	39.3	0	-42.19	53.53	-	-	-	-	253	254	V
6	14.722629	44.11	MAv1	39.3	1.28	-42.19	42.5	-	-	-	-	238	126	H
	14.723242	55.45	PK2	39.3	0	-42.17	52.58	-	-	-	-	238	126	H

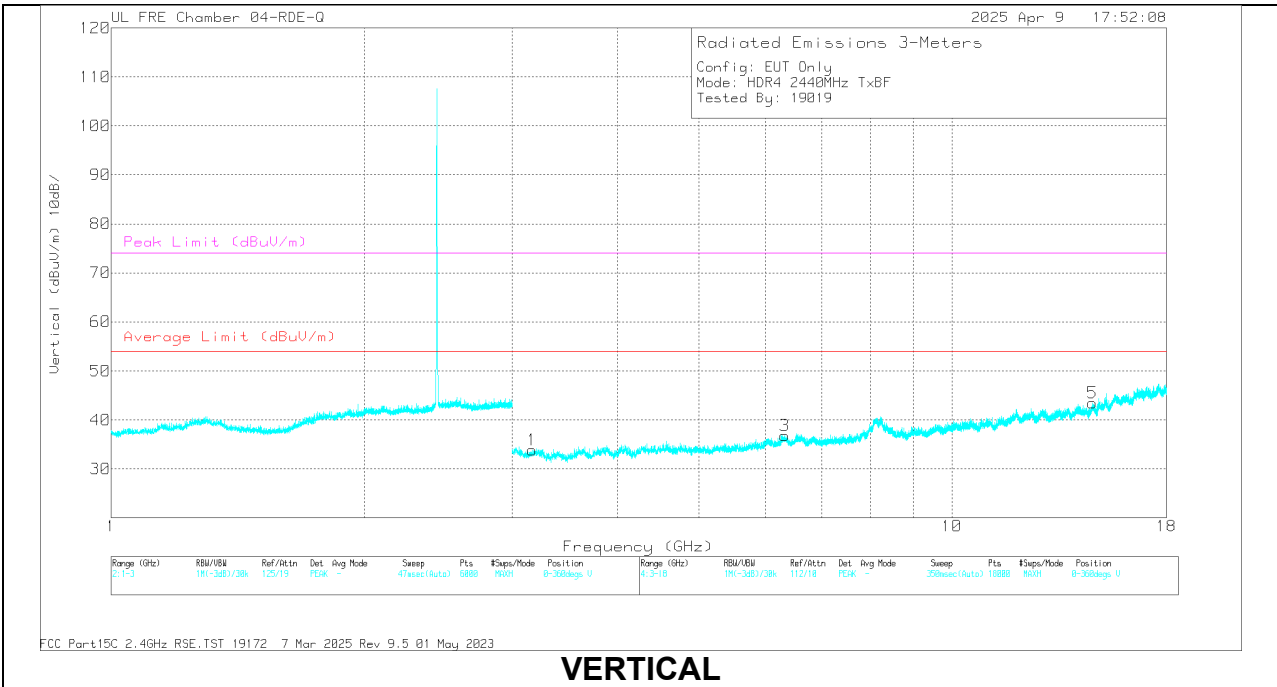
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

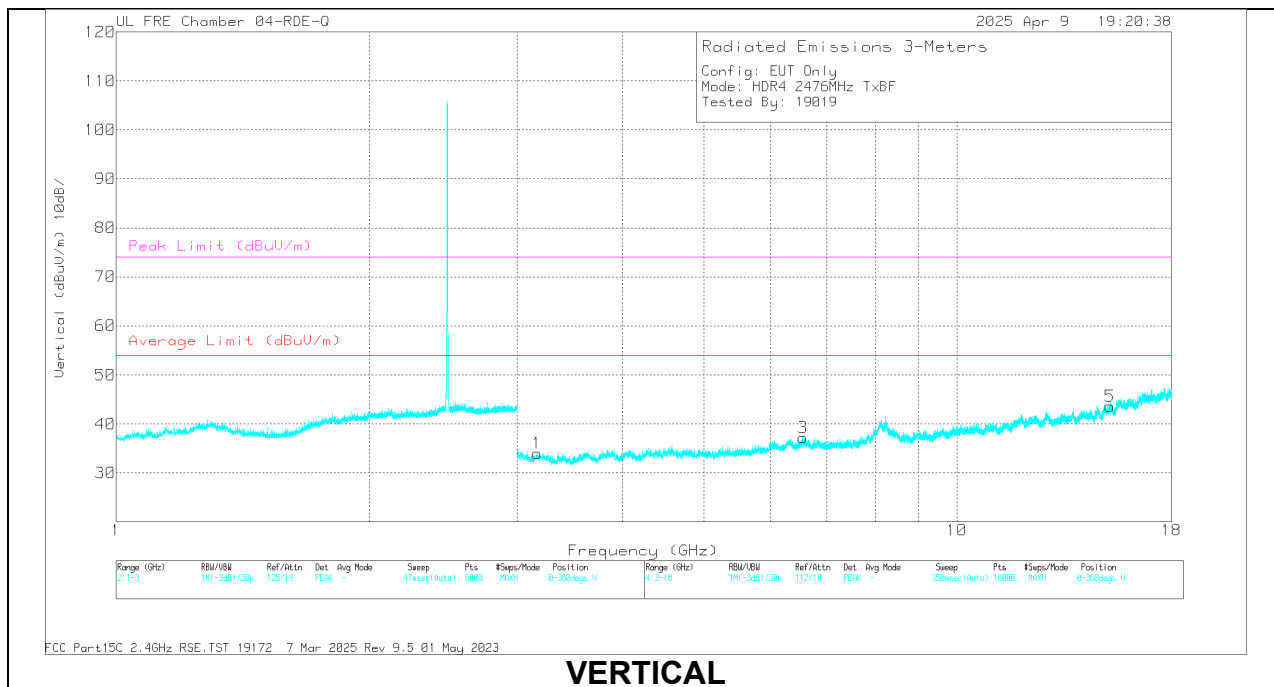
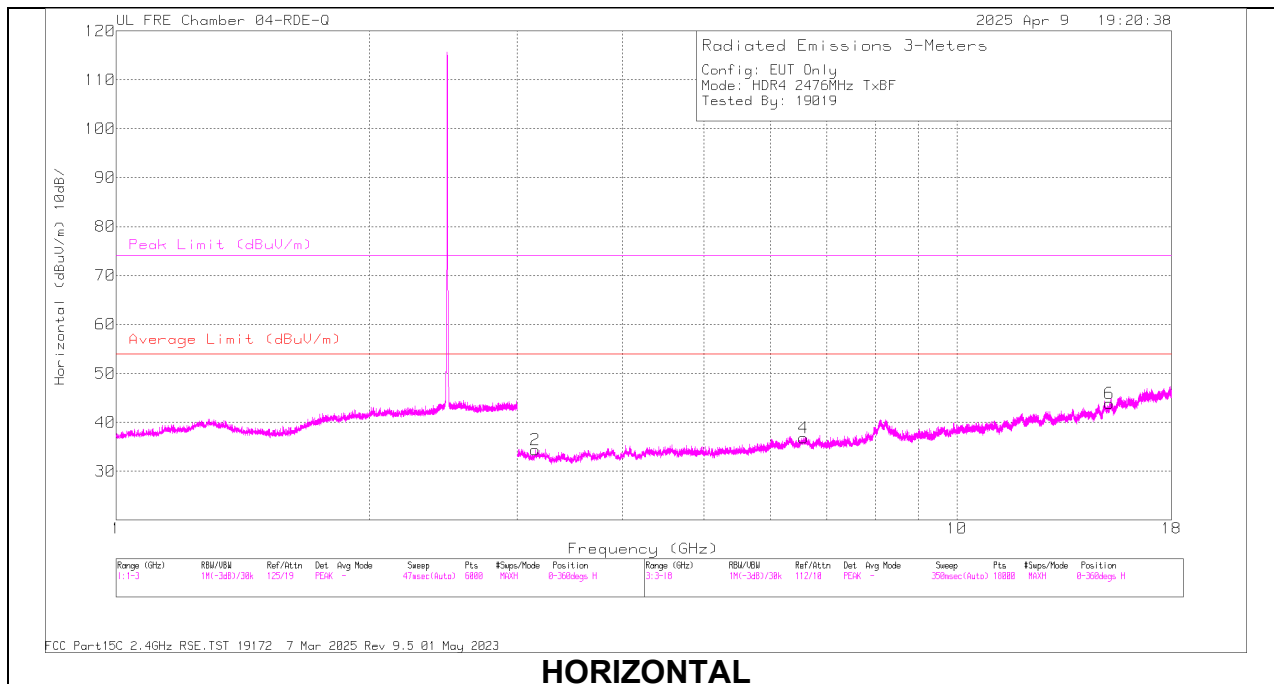
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	3.169129	57.46	PK2	33	0	-46.38	44.08	-	-	-	-	72	160	V
	3.169571	45.85	MAv1	33	1.28	-46.41	33.72	-	-	-	-	207	171	H
1	3.169674	45.86	MAv1	33	1.28	-46.42	33.72	-	-	-	-	72	160	V
	3.170154	57.15	PK2	33	0	-46.46	43.69	-	-	-	-	207	171	H
3	6.324558	43.64	MAv1	35.6	1.28	-44.2	36.32	-	-	-	-	197	155	V
	6.325125	55.51	PK2	35.6	0	-44.2	46.91	-	-	-	-	197	155	V
4	6.328878	43.8	MAv1	35.6	1.28	-44.18	36.5	-	-	-	-	123	126	H
	6.330817	55.35	PK2	35.6	0	-44.14	46.81	-	-	-	-	123	126	H
5	14.688761	56.74	PK2	39.2	0	-42.34	53.6	-	-	-	-	132	319	V
	14.69192	44.45	MAv1	39.2	1.28	-42.36	42.57	-	-	-	-	132	319	V
6	14.694243	44.44	MAv1	39.2	1.28	-42.35	42.57	-	-	-	-	196	263	H
	14.695132	56.54	PK2	39.2	0	-42.33	53.41	-	-	-	-	196	263	H

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS

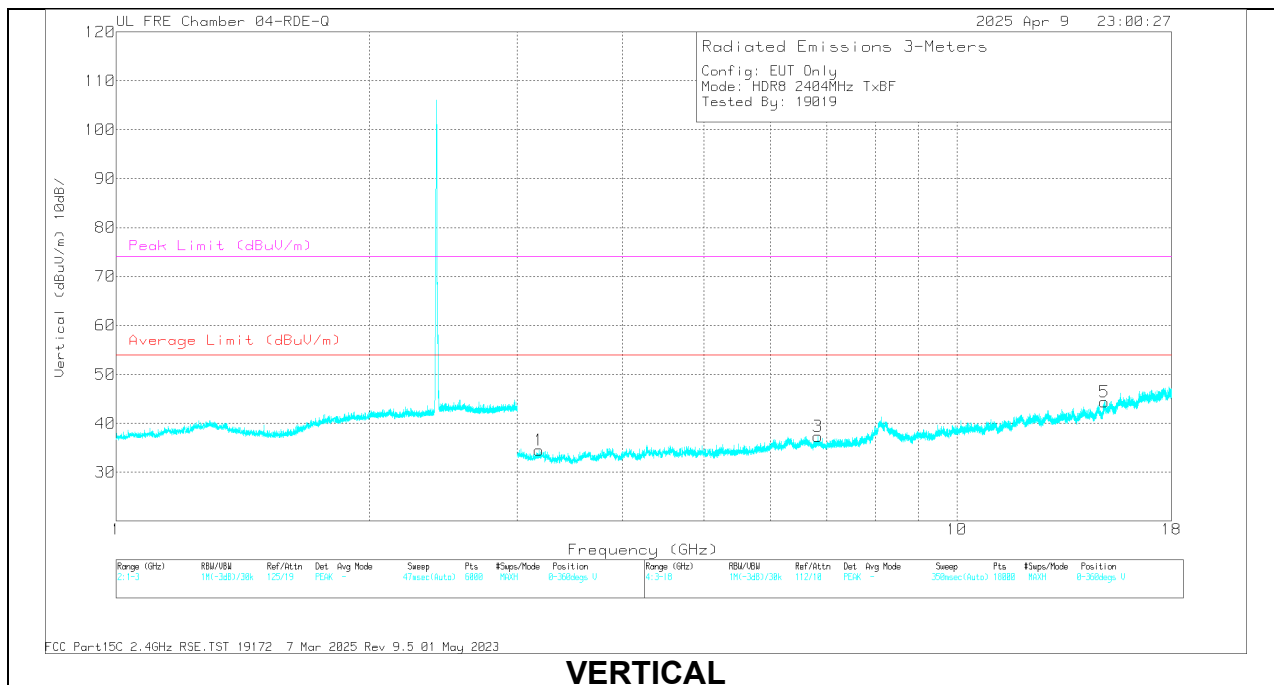
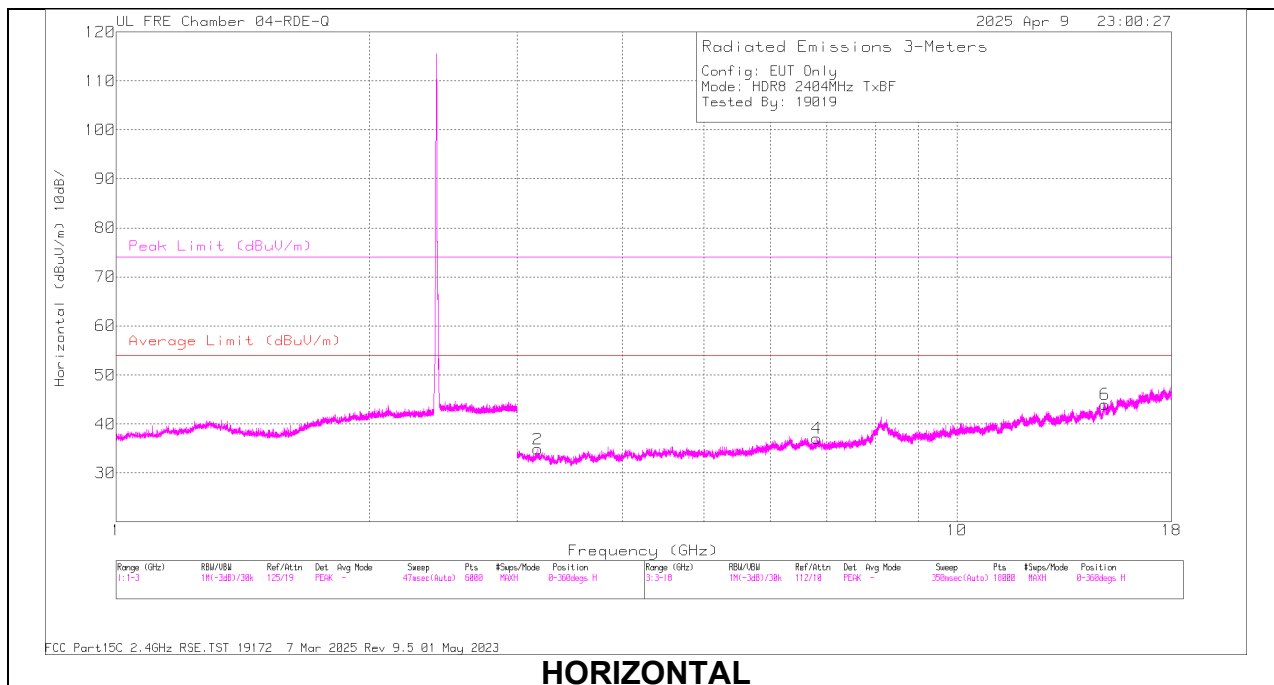


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	3.154834	57.1	PK2	33	0	-46.39	43.71	-	-	-	-	126	205	H
	3.157974	45.68	MAv1	33	1.28	-46.52	33.44	-	-	-	-	126	205	H
1	3.166697	45.86	MAv1	33	1.28	-46.45	33.69	-	-	-	-	144	153	V
	3.167323	58.08	PK2	33	0	-46.4	44.68	-	-	-	-	144	153	V
3	6.56183	55.31	PK2	35.7	0	-44.13	46.88	-	-	-	-	232	217	V
	6.562977	43.79	MAv1	35.8	1.28	-44.1	36.77	-	-	-	-	232	217	V
4	6.570451	43.42	MAv1	35.8	1.28	-44.1	36.4	-	-	-	-	38	116	H
	6.572771	55.08	PK2	35.8	0	-44.01	46.87	-	-	-	-	38	116	H
6	15.1948	55.54	PK2	40.1	0	-42.12	53.52	-	-	-	-	246	195	H
	15.196517	44.26	MAv1	40.1	1.28	-42.1	43.54	-	-	-	-	246	195	H
5	15.20653	44.17	MAv1	40.1	1.28	-42.16	43.39	-	-	-	-	91	130	V
	15.20819	55.68	PK2	40.1	0	-42.15	53.63	-	-	-	-	91	130	V

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.10 HDR8 TXBF HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS**Radiated Emissions**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	3.17338	57.46	PK2	33	0	-46.62	43.84	-	-	-	-	192	177	H
	3.174241	45.87	MAv1	33	1.28	-46.56	33.59	-	-	-	-	192	177	H
1	3.181446	45.92	MAv1	32.9	1.28	-46.56	33.54	-	-	-	-	214	188	V
	3.184386	57.47	PK2	32.9	0	-46.4	43.97	-	-	-	-	214	188	V
4	6.811265	55.09	PK2	35.6	0	-44.48	46.21	-	-	-	-	146	200	H
	6.813016	43.71	MAv1	35.6	1.28	-44.41	36.18	-	-	-	-	146	200	H
3	6.836789	54.99	PK2	35.5	0	-43.99	46.5	-	-	-	-	118	149	V
	6.836932	43.47	MAv1	35.5	1.28	-43.99	36.26	-	-	-	-	118	149	V
5	14.976499	55.49	PK2	39.8	0	-41.76	53.53	-	-	-	-	158	176	V
	14.976776	44.33	MAv1	39.9	1.28	-41.77	43.64	-	-	-	-	158	176	V
6	15.000618	56.13	PK2	39.9	0	-41.59	54.44	-	-	-	-	102	158	H
	15.001356	44.1	MAv1	39.9	1.28	-41.61	43.67	-	-	-	-	102	158	H

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

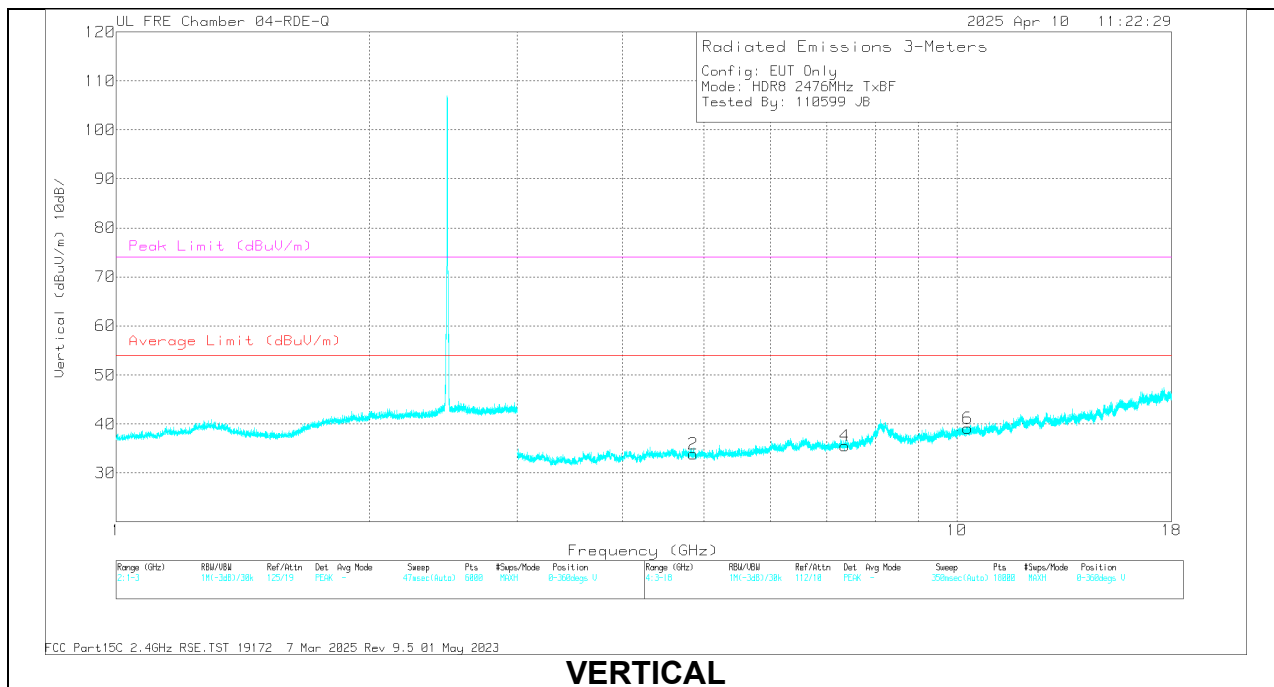
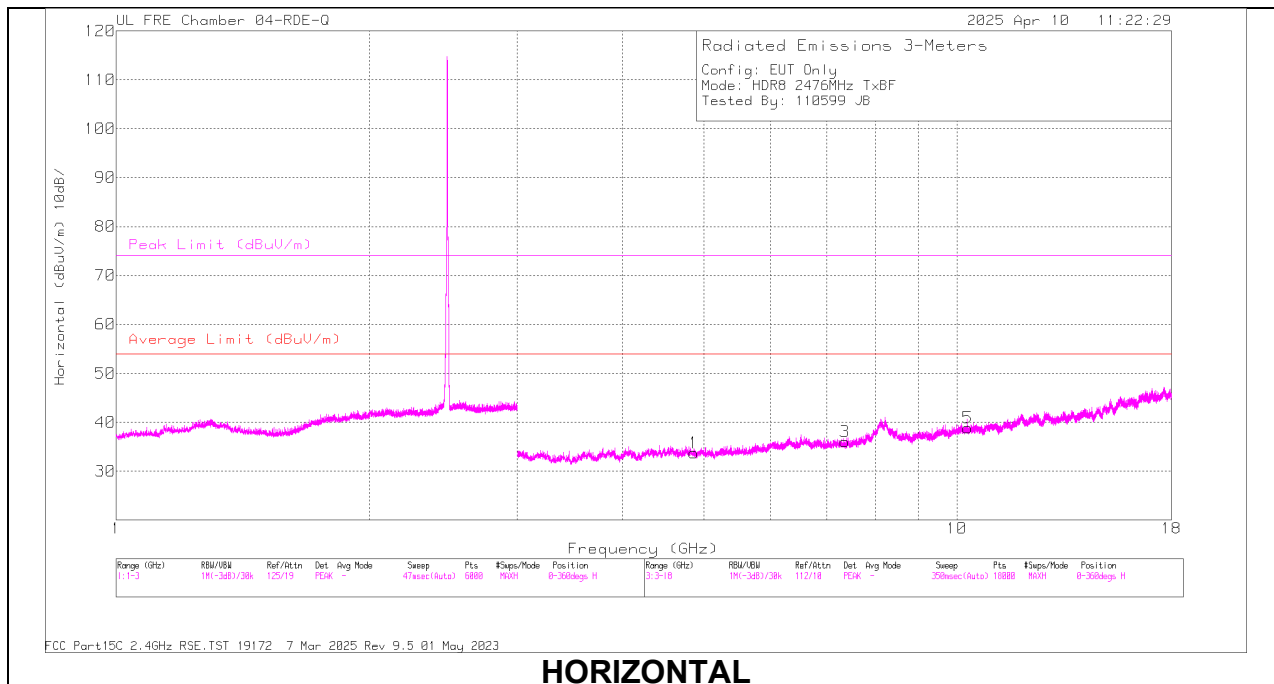
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.865383	57.31	PK2	34.2	0	-46.45	45.06	-	-	-	-	85	378	H
	4.868147	45.22	MAv1	34.2	1.28	-46.27	34.43	-	-	-	-	85	378	H
2	4.871197	44.96	MAv1	34.2	1.28	-46.31	34.13	-	-	-	-	341	324	V
	4.871731	56.98	PK2	34.2	0	-46.33	44.85	-	-	-	-	341	324	V
3	7.267123	54.86	PK2	35.6	0	-44.37	46.09	-	-	-	-	3	202	H
	7.269272	43.52	MAv1	35.6	1.28	-44.43	35.97	-	-	-	-	3	202	H
4	7.277163	43.81	MAv1	35.6	1.28	-44.51	36.18	-	-	-	-	301	374	V
	7.280243	55.1	PK2	35.6	0	-44.46	46.24	-	-	-	-	301	374	V
5	9.895691	43.93	MAv1	37.2	1.28	-44.06	38.35	-	-	-	-	343	325	V
	9.895898	44.1	MAv1	37.2	1.28	-44.06	38.52	-	-	-	-	281	368	H
6	9.896711	55.56	PK2	37.2	0	-44.05	48.71	-	-	-	-	343	325	V
	9.897298	56.04	PK2	37.2	0	-44.05	49.19	-	-	-	-	281	368	H

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS

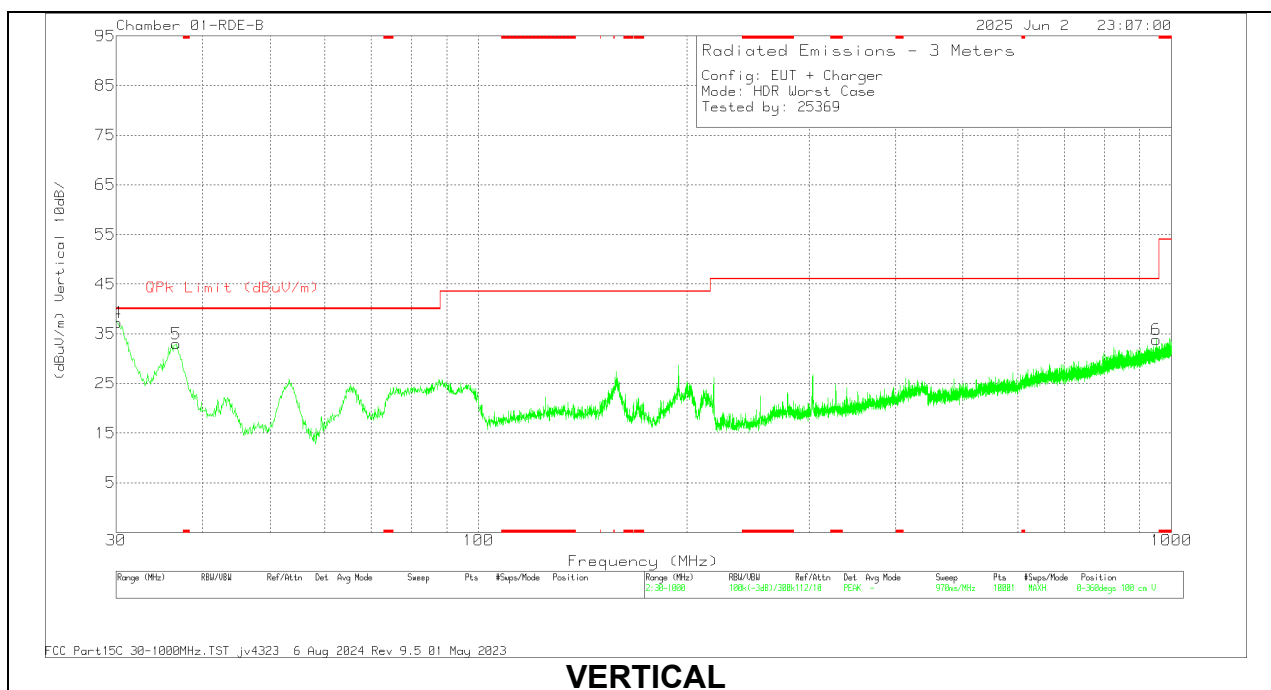
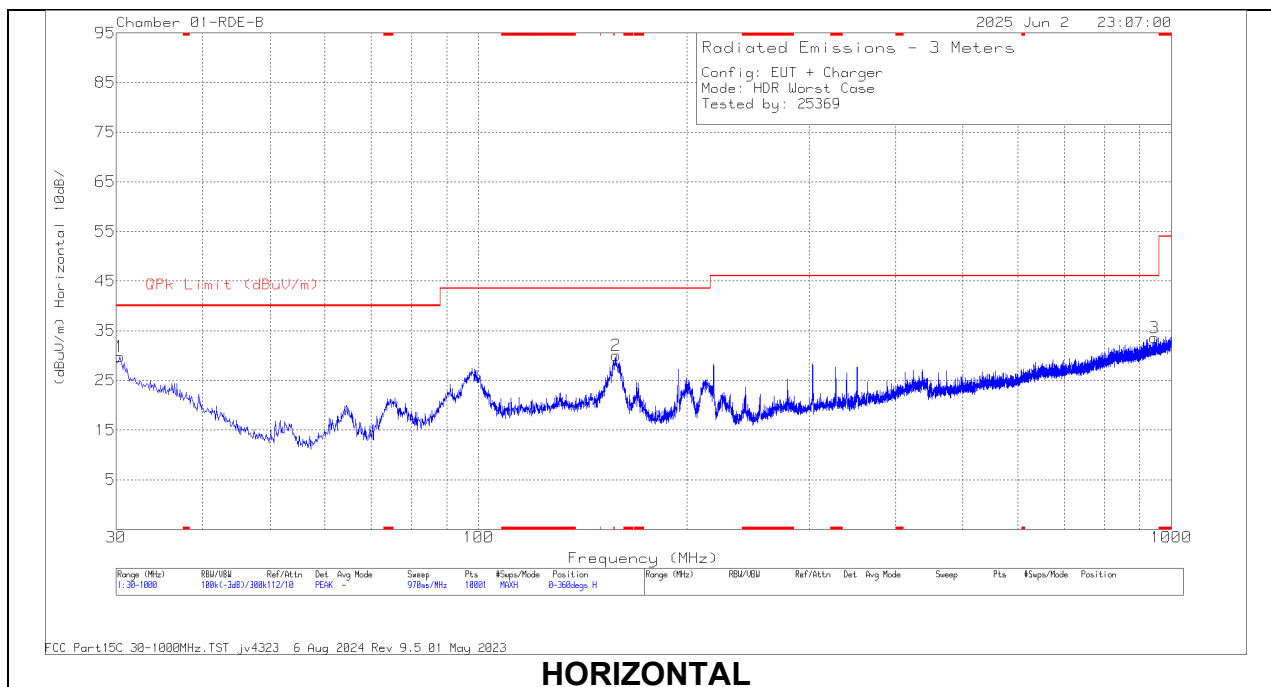


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	4.857302	56.49	PK2	34.2	0	-46.36	44.33	-	-	-	-	153	248	V
	4.859387	44.73	MAv1	34.2	1.28	-46.33	33.88	-	-	-	-	153	248	V
1	4.860894	45.13	MAv1	34.2	1.28	-46.37	34.24	-	-	-	-	86	278	H
	4.862307	56.51	PK2	34.2	0	-46.43	44.28	-	-	-	-	86	278	H
3	7.360758	43.52	MAv1	35.6	1.28	-44.48	35.92	-	-	-	-	121	194	V
	7.362209	55.23	PK2	35.6	0	-44.49	46.34	-	-	-	-	121	194	V
4	7.363661	43.81	MAv1	35.6	1.28	-44.46	36.23	-	-	-	-	41	327	H
	7.364591	55.29	PK2	35.6	0	-44.43	46.46	-	-	-	-	41	327	H
5	10.292184	43.93	MAv1	37.5	1.28	-43.98	38.73	-	-	-	-	19	203	V
	10.292839	55.3	PK2	37.5	0	-43.97	48.83	-	-	-	-	19	203	V
6	10.293519	55.52	PK2	37.5	0	-43.96	49.06	-	-	-	-	143	310	H
	10.295391	44.03	MAv1	37.5	1.28	-43.97	38.84	-	-	-	-	143	310	H

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)**

Below 1GHz Data

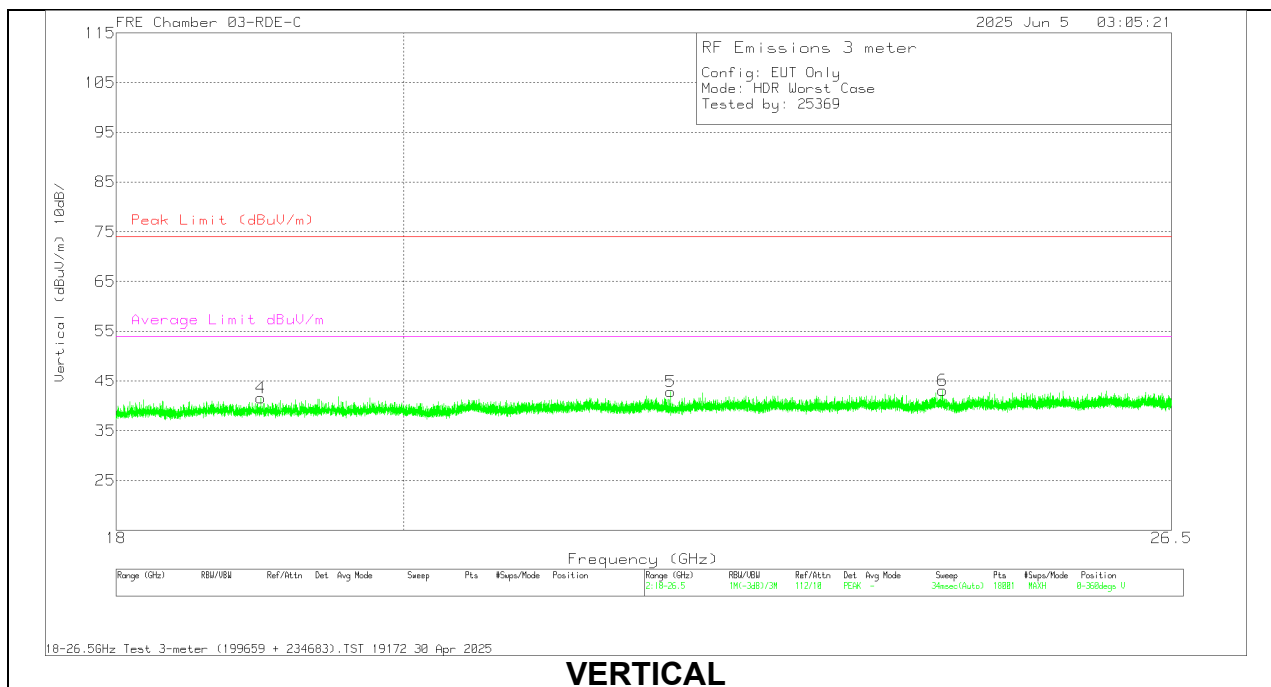
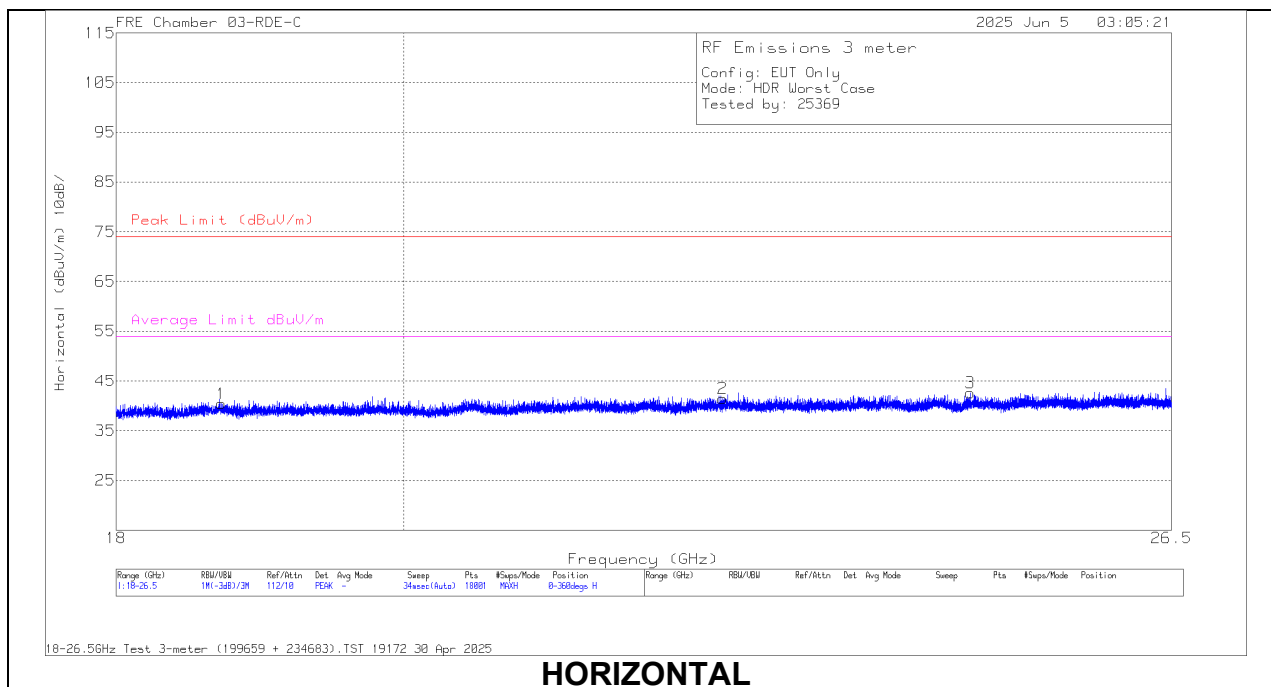
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	85150 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.097	41.49	Pk	27.2	-31.5	37.19	40	-2.81	0-360	100	V
	30.2162	37.36	Qp	27.1	-31.5	32.96	40	-7.04	126	109	V
1	30.388	34.3	Pk	27	-31.5	29.8	40	-10.2	0-360	199	H
5	36.596	41.4	Pk	23	-31.4	33	40	-7	0-360	100	V
2	157.846	42.55	Pk	17.9	-30.4	30.05	43.52	-13.47	0-360	199	H
3	944.419	31.9	Pk	28.4	-26.7	33.6	46.02	-12.42	0-360	98	H
6	951.888	31.76	Pk	28.5	-26.4	33.86	46.02	-12.16	0-360	200	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	199559 ACF (dBm)	234683 18-26.4GHz_Amp Assembly	Cable (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.705972	56.5	Pk	32.2	-62.4	14	40.4	-	-	54	-13.6	0-360	101	H
2	* 22.481387	55.29	Pk	33.1	-62.2	15.3	41.49	-	-	54	-12.51	0-360	199	H
4	* 18.978916	57.33	Pk	32.4	-62.2	14.1	41.63	-	-	54	-12.37	0-360	101	V
5	* 22.057331	56.86	Pk	33	-62.2	15.2	42.86	-	-	54	-11.14	0-360	101	V
6	24.370275	55.85	Pk	33.6	-62.3	16	43.15	-	-	54	-10.85	0-360	200	V
3	24.614886	54.73	Pk	33.8	-62.1	16.2	42.63	-	-	54	-11.37	0-360	199	H

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

Pk - Peak detector

Note: Peak readings were compared to average limit therefore satisfying both peak and average limit

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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.

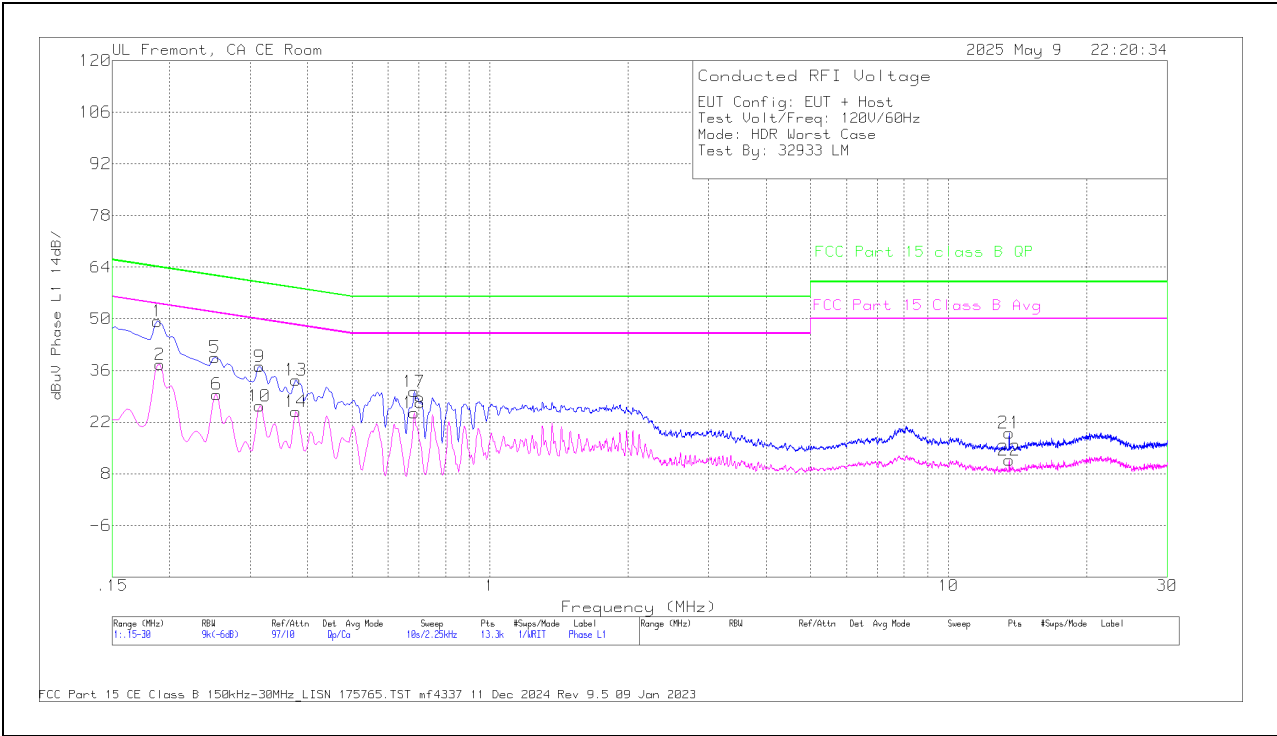
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC POWER LINE WITH LAPTOP

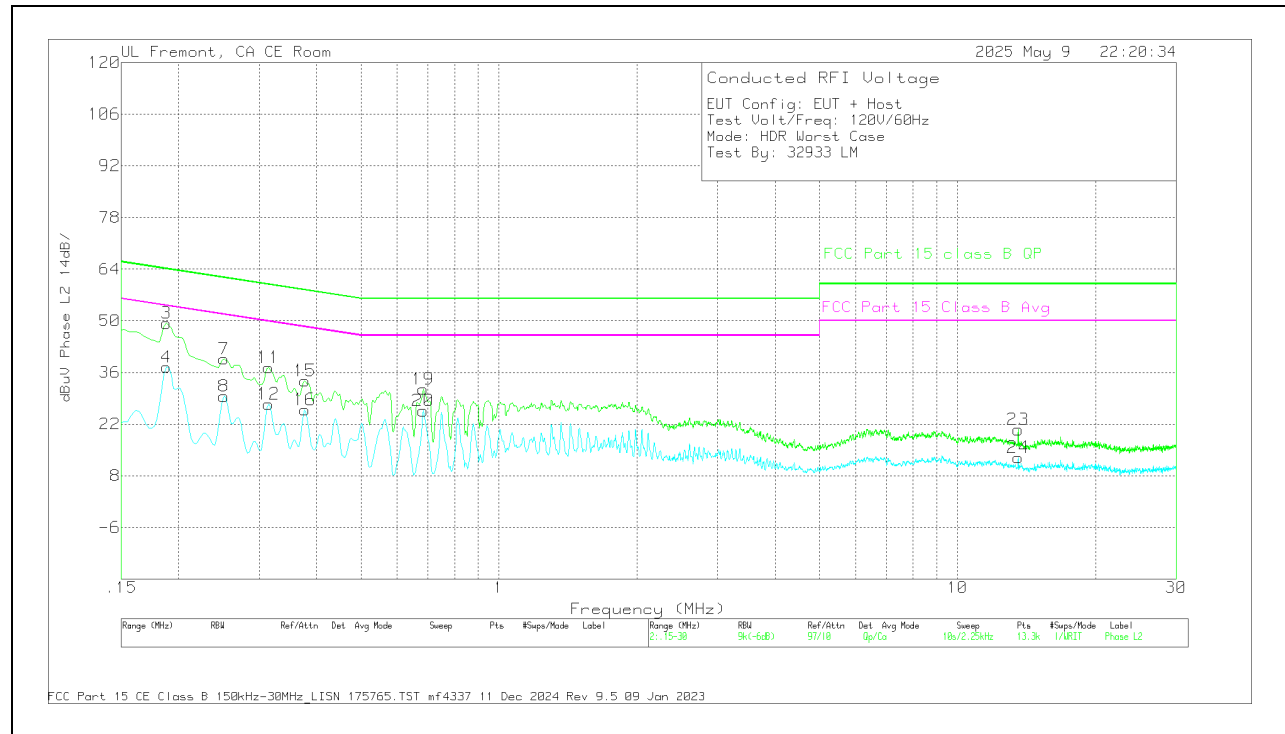
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
2	.1905	18.88	Ca	.2	.1	8.4	10	37.58	54.01	-16.43	-	-
6	.2535	11.4	Ca	-.1	0	8.2	10	29.5	51.64	-22.14	-	-
10	.3143	8.34	Ca	-.1	0	8.1	10	26.34	49.86	-23.52	-	-
14	.3773	7.04	Ca	-.5	0	8.3	10	24.84	48.34	-23.5	-	-
18	.6833	5.99	Ca	.2	0	8.3	10	24.49	46	-21.51	-	-
22	13.56	-6.78	Ca	.2	.1	8.2	10	11.72	50	-38.28	-	-
1	.1883	30.61	Qp	.2	.1	8.4	10	49.31	-	-	64.11	-14.8
5	.2513	21.45	Qp	-.1	0	8.2	10	39.55	-	-	61.72	-22.17
9	.3143	19.07	Qp	-.1	0	8.1	10	37.07	-	-	59.86	-22.79
13	.3773	15.59	Qp	-.5	0	8.3	10	33.39	-	-	58.34	-24.95
17	.6833	11.77	Qp	.2	0	8.3	10	30.27	-	-	56	-25.73
21	13.56	.57	Qp	.2	.1	8.2	10	19.07	-	-	60	-40.93

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



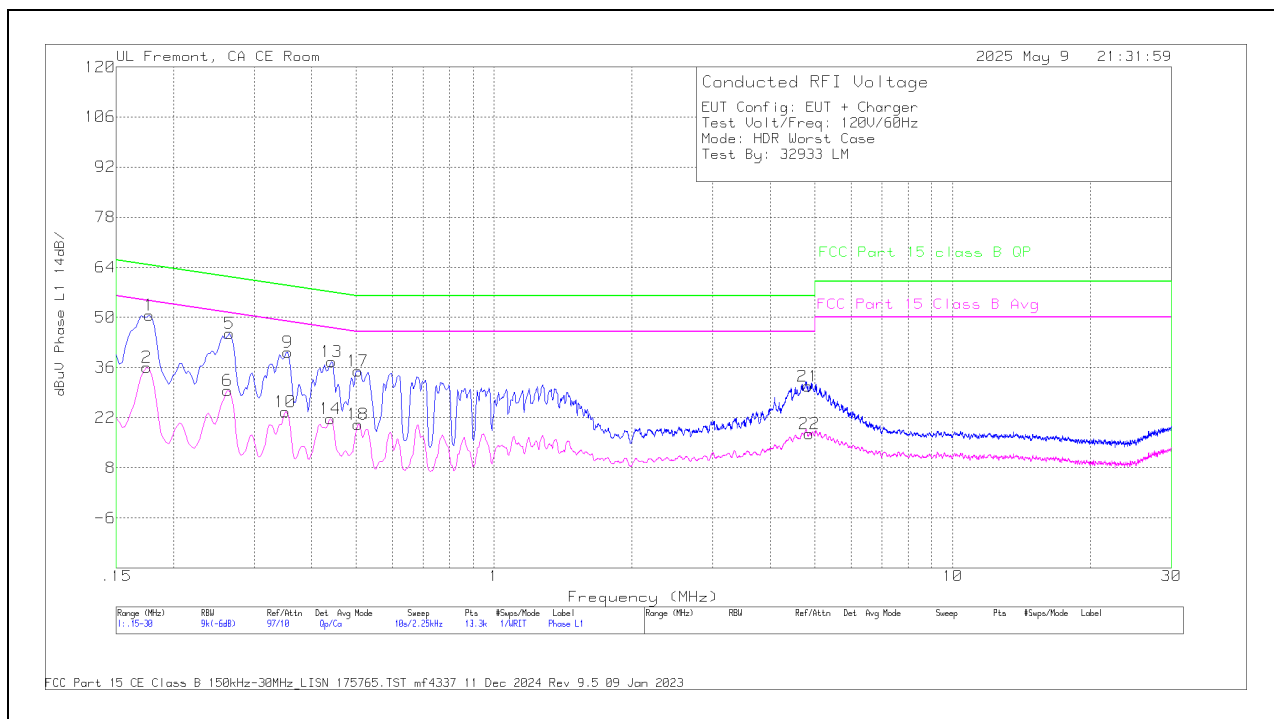
Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
4	.1883	18.82	Ca	.2	0	8.4	10	37.42	54.11	-16.69	-	-
8	.2513	11.43	Ca	-.1	0	8.2	10	29.53	51.72	-22.19	-	-
12	.3143	9.39	Ca	-.1	0	8.1	10	27.39	49.86	-22.47	-	-
16	.3773	8.07	Ca	-.5	0	8.3	10	25.87	48.34	-22.47	-	-
20	.6833	7.12	Ca	.2	0	8.3	10	25.62	46	-20.38	-	-
24	13.56	-5.59	Ca	.2	.1	8.2	10	12.91	50	-37.09	-	-
3	.1883	30.71	Qp	.2	0	8.4	10	49.31	-	-	64.11	-14.8
7	.2513	21.53	Qp	-.1	0	8.2	10	39.63	-	-	61.72	-22.09
11	.3143	19.28	Qp	-.1	0	8.1	10	37.28	-	-	59.86	-22.58
15	.3773	15.9	Qp	-.5	0	8.3	10	33.7	-	-	58.34	-24.64
19	.6833	12.95	Qp	.2	0	8.3	10	31.45	-	-	56	-24.55
23	13.56	2	Qp	.2	.1	8.2	10	20.5	-	-	60	-39.5

Qp - Quasi-Peak detector

Ca - CISPR average detection

11.2. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

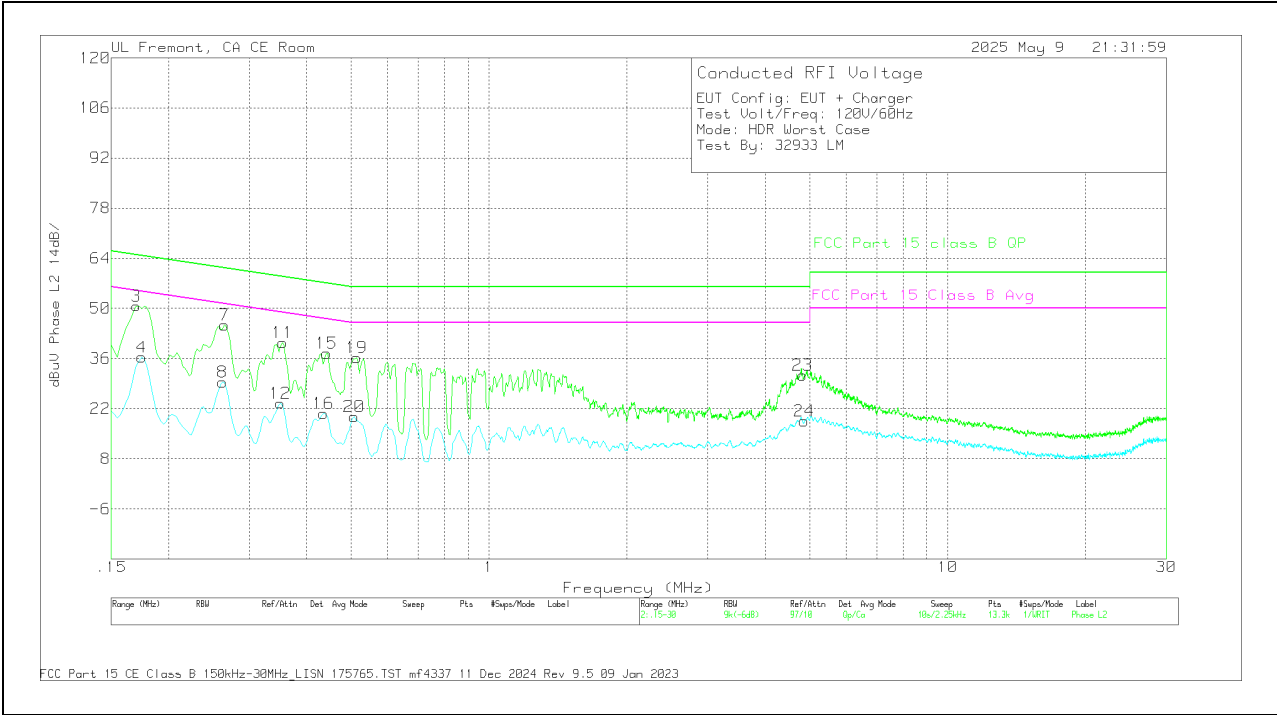


Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
2	.1748	17.19	Ca	.3	.1	8.5	10	36.09	54.73	-18.64	-	-
6	.2625	11.51	Ca	-.1	0	8.2	10	29.61	51.35	-21.74	-	-
10	.3503	5.57	Ca	-.4	0	8.4	10	23.57	48.96	-25.39	-	-
14	.4403	2.73	Ca	.1	0	8.8	10	21.63	47.06	-25.43	-	-
18	.5055	2.32	Ca	-.1	0	7.9	10	20.12	46	-25.88	-	-
22	4.8728	-.54	Ca	0	0	8.1	10	17.56	46	-28.44	-	-
1	.177	31.83	Qp	.3	.1	8.4	10	50.63	-	-	64.63	-14
5	.2648	27.48	Qp	-.1	0	8.1	10	45.48	-	-	61.28	-15.8
9	.3548	22.29	Qp	-.4	0	8.4	10	40.29	-	-	58.85	-18.56
13	.4425	18.71	Qp	.1	0	8.8	10	37.61	-	-	57.01	-19.4
17	.5055	17.27	Qp	-.1	0	7.9	10	35.07	-	-	56	-20.93
21	4.83	12.44	Qp	0	0	8.3	10	30.74	-	-	56	-25.26

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)	CBL(dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
4	.1748	17.54	Ca	.3	0	8.5	10	36.34	54.73	-18.39	-	-
8	.2625	11.38	Ca	-.1	0	8.2	10	29.48	51.35	-21.87	-	-
12	.3503	5.53	Ca	-.4	0	8.4	10	23.53	48.96	-25.43	-	-
16	.4358	2.01	Ca	0	0	8.7	10	20.71	47.14	-26.43	-	-
20	.5078	2.04	Ca	-.2	0	7.9	10	19.74	46	-26.26	-	-
24	4.8728	.44	Ca	0	0	8.1	10	18.54	46	-27.46	-	-
3	.1703	31.89	Qp	.3	0	8.5	10	50.69	-	-	64.95	-14.26
7	.2648	27.37	Qp	-.1	0	8.1	10	45.37	-	-	61.28	-15.91
11	.3548	22.52	Qp	-.4	0	8.4	10	40.52	-	-	58.85	-18.33
15	.4425	18.6	Qp	.1	0	8.8	10	37.5	-	-	57.01	-19.51
19	.5145	18.64	Qp	-.2	0	7.8	10	36.24	-	-	56	-19.76
23	4.8278	13.03	Qp	0	0	8.3	10	31.33	-	-	56	-24.67

Qp - Quasi-Peak detector
Ca - CISPR average detection

12. APPENDIX A - SPOT CHECK EVALUATION

12.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3257, A3525, A3526 and A3527.

These models have the same PCB layout, design, common components, antennas, antenna locations and housing cases, except for FR2 is removed from variants and disabled/enabled cellular bands via software as shown below.

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3257	BCG-E8950A	579C-E8950A	-With FR2/LTE/5GNR B14/29/71 -No B11/21 -With UL MIMO (n41/48/77)	eSIM	-
A3525	BCG-E8960A	579C-E8960A	-Without FR2 -Added B11/21 -No UL MIMO	eSIM	A3257
A3526	BCG-E8961A	579C-E8961A	-Without FR2 -No LTE/5GNR B14/29/71 -No LTE B11/21 -No UL MIMO	eSIM+pSIM	
A3527	BCG-E8962A	579C-E8962A	-Without FR2 -No LTE/5GNR B14/29/71 -No LTE B11/21 -With UL MIMO (n41/78/79) -No MSS / 5GNR B53	pSIM+pSIM	

The spot check plan allows for data reuse from the reference model where the variant model data meets the limits and has not changed by more than the criteria from KDB 484596 D01 v03 equation (4).

$$d_{dB} = |V_{dB} - R_{dB}| \quad (1)$$

$$d_{dB} \leq d_{dBmax} \quad (2)$$

$$d_{dBmax}(M_{dB}) = \begin{cases} (3 + M_{dB}/20) \text{ dB} & , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \\ 6 \text{ dB} & , \text{ for } M_{dB} > 60 \text{ dB} \end{cases} \quad (4)$$

Where d_{dB} is deviation between the variant and the reference model, V_{dB} is variant spot check level, R_{dB} is the corresponding reference measurement level, d_{dBmax} is the maximum deviation d_{dB} allowed, and M_{dB} is the margin in dB.

12.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3525

A3525 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3257	Sub Model: A3525	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E8950A IC : 579C-E8950A	FCC ID: BCG-E8960A IC : 579C-E8960A			
DTS / HDR	2.4	HDR8	8Mbps	Output Power (dBm)	Low	Fundamental	19.29	19.11	-0.18	-10.71	Note 1
		HDR4, ANT 2, AVG, Vert.	4Mbps	Radiated Bandedge (dBuV/m)	High	2.4835	51.51	51.26	-0.25	-2.49	Note 1
		HDR Worst-Case, PK, Vert.	HDR Worst-Case	RSE (dBuV/m)	Mid	30.097 MHz	37.19	36.01	-1.18	-2.81	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

12.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3526

A3526 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3257	Sub Model: A3526	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E8950A IC : 579C-E8950A	FCC ID: BCG-E8961A IC : 579C-E8961A			
DTS / HDR	2.4	HDR8	8Mbps	Output Power (dBm)	Low	Fundamental	19.29	19.19	-0.10	-10.71	Note 1
		HDR4, ANT 2, AVG, Vert.	4Mbps	Radiated Bandedge (dBuV/m)	High	2.4835	51.51	49.69	-1.82	-2.49	Note 1
		HDR Worst-Case, PK, Vert.	HDR Worst-Case	RSE (dBuV/m)	Mid	30.097 MHz	37.19	38.71	1.52	-2.81	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

12.4. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3527

A3527 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3257	Sub Model: A3527	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E8950A IC : 579C-E8950A	FCC ID: BCG-E8962A IC : 579C-E8962A			
DTS / HDR	2.4	HDR8	8Mbps	Output Power (dBm)	Low	Fundamental	19.29	19.09	-0.20	-10.71	Note 1
		HDR4, ANT 2, AVG, Vert.	4Mbps	Radiated Bandedge (dBuV/m)	High	2.4835	51.51	51.37	-0.14	-2.49	Note 1
		HDR Worst-Case, PK, Vert.	HDR Worst-Case	RSE (dBuV/m)	Mid	30.097 MHz	37.19	34.26	-2.93	-2.81	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

13. SETUP PHOTOS

Please refer to 15496249-EP1 for setup photos

END OF TEST REPORT