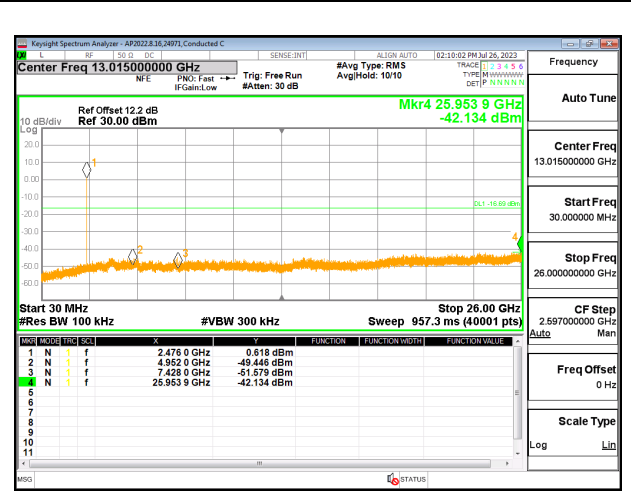
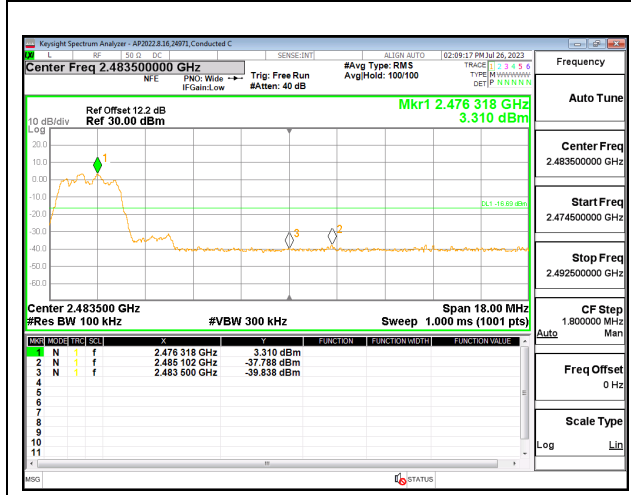
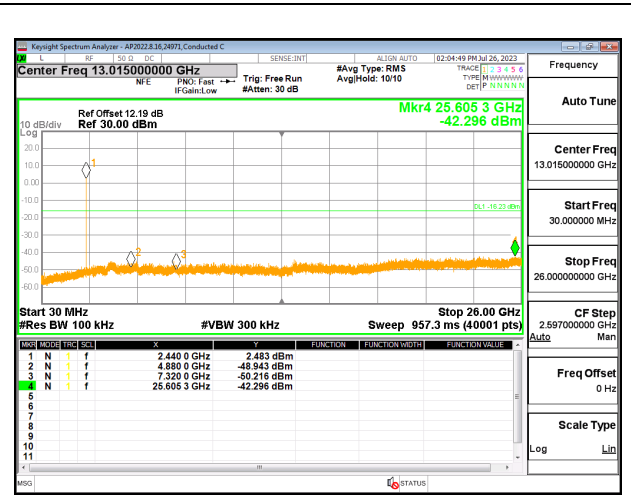
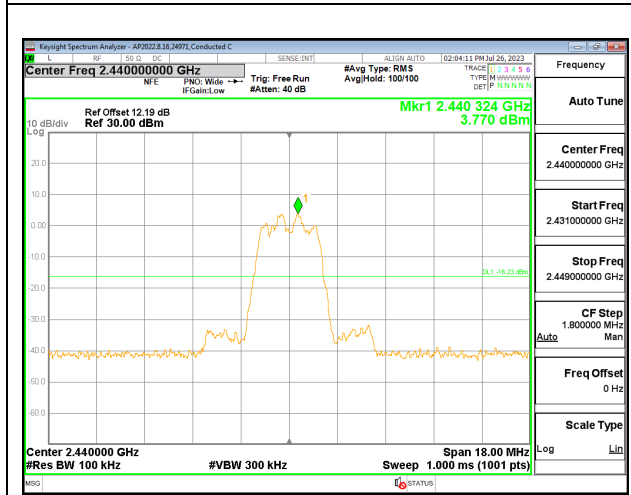
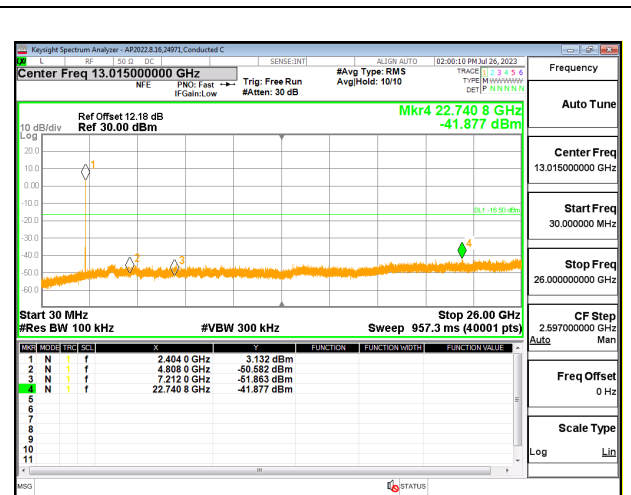
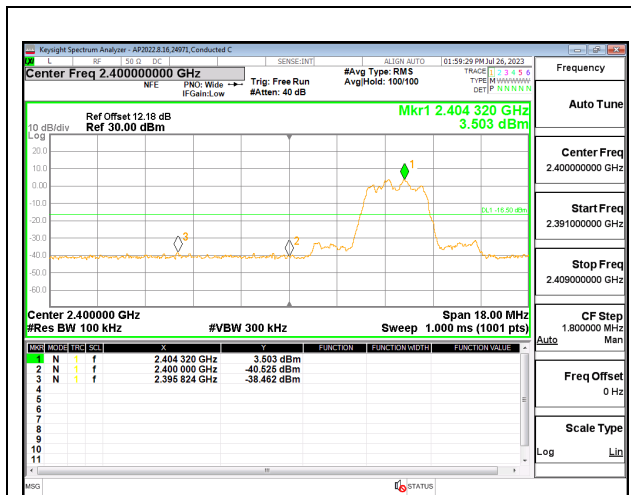
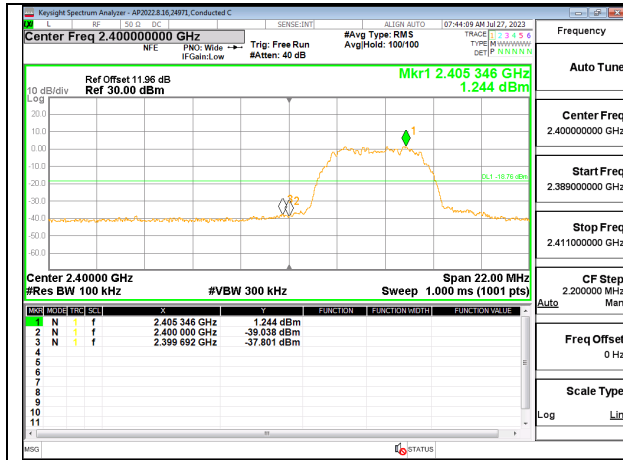


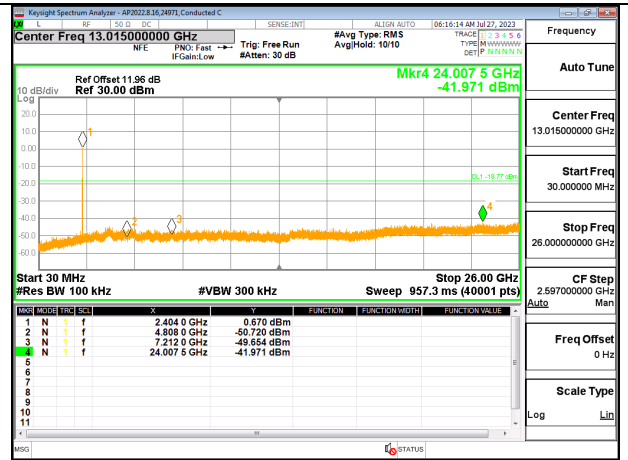
ANT 3



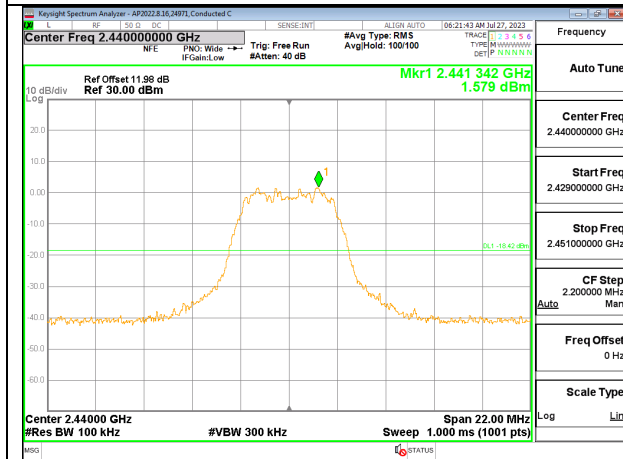
9.8.7. LOW POWER HDR (HDR8) ANT 4



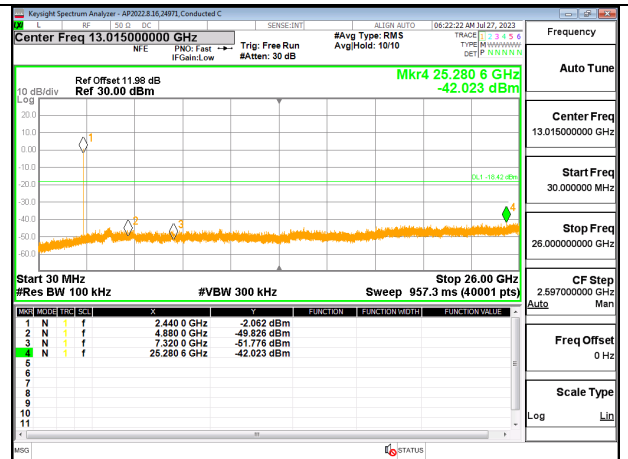
LOW CHANNEL BANDEDGE



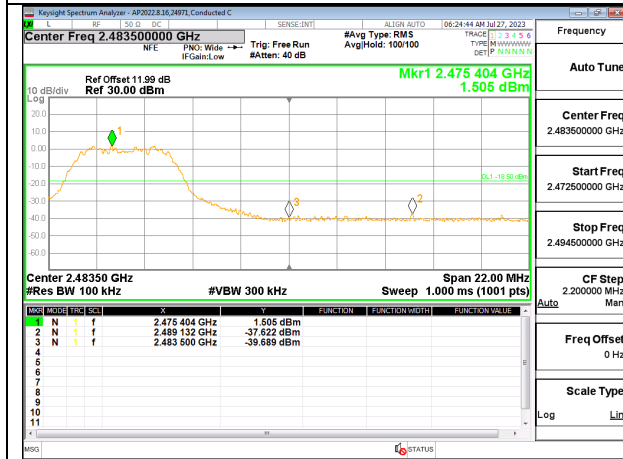
OUT-OF-BAND LOW CHANNEL



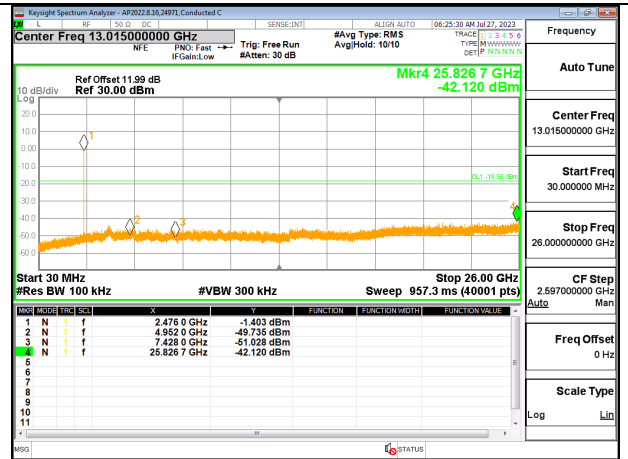
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

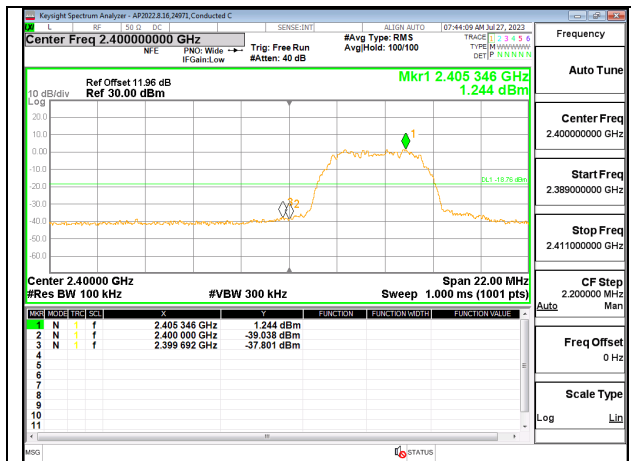


HIGH CHANNEL BANDEDGE

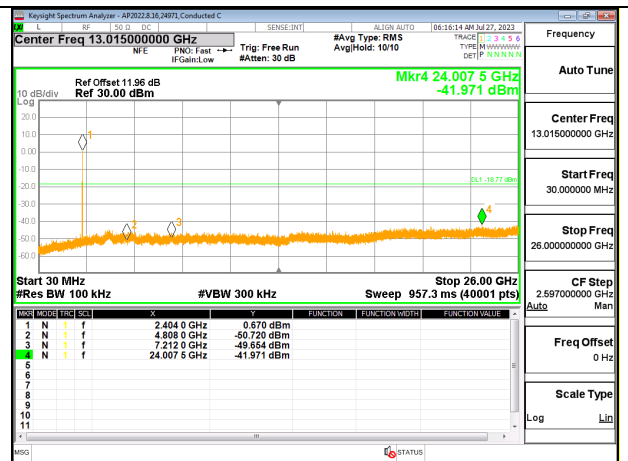


OUT-OF-BAND HIGH CHANNEL

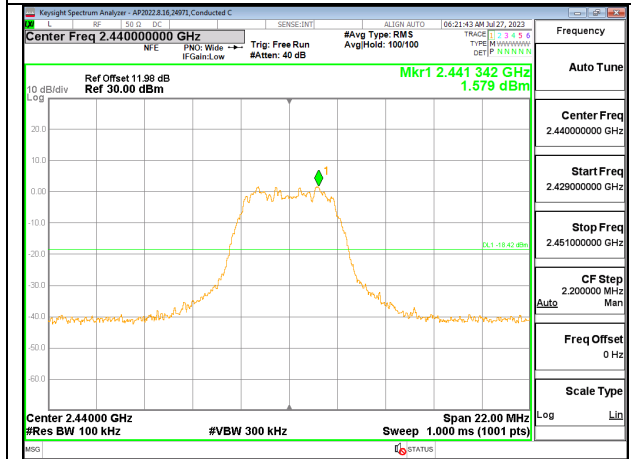
ANT 3



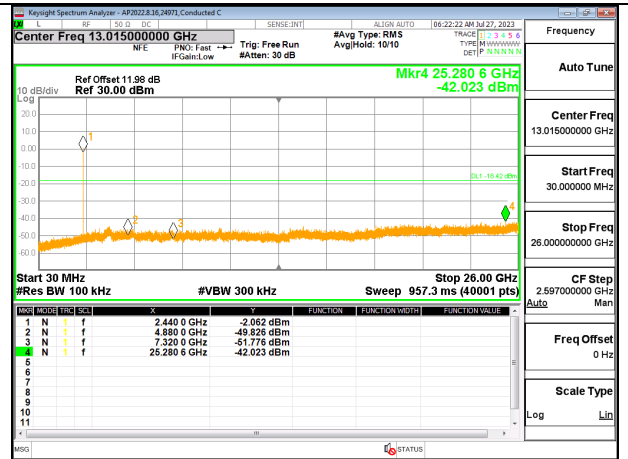
LOW CHANNEL BANDEDGE



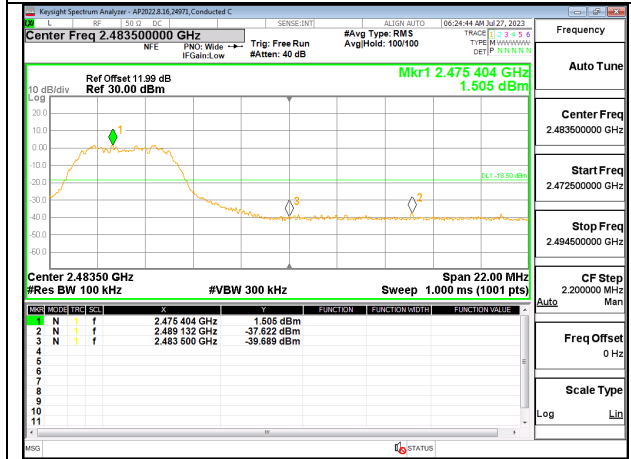
OUT-OF-BAND LOW CHANNEL



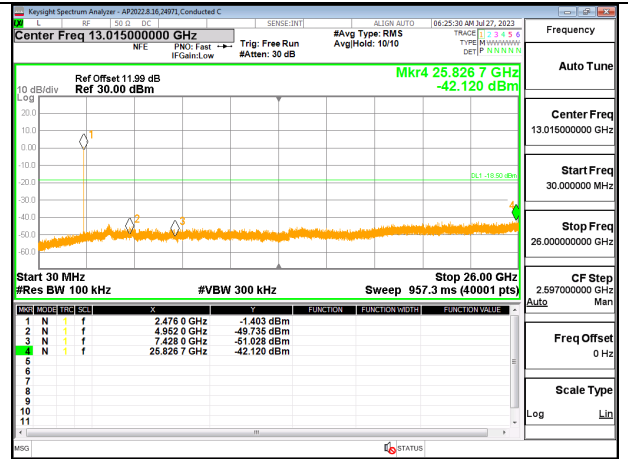
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



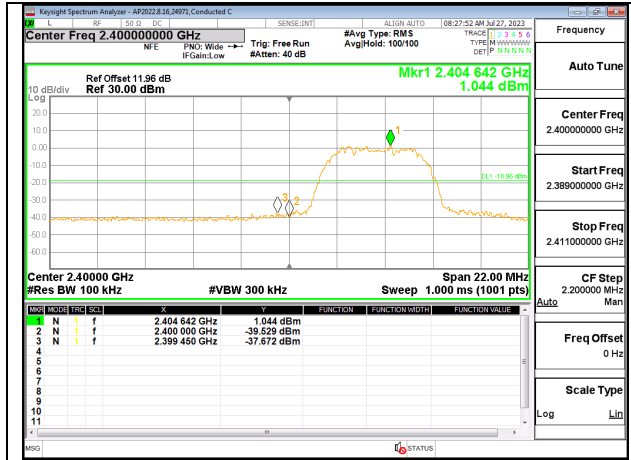
HIGH CHANNEL BANDEDGE



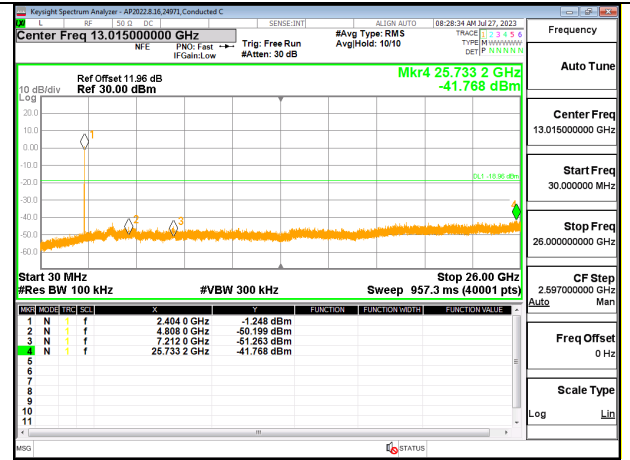
OUT-OF-BAND HIGH CHANNEL

9.8.8. LOW POWER HDR TXBF (HDR8)

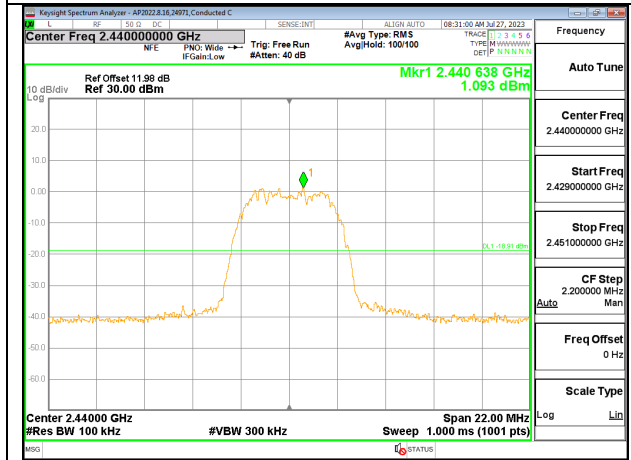
ANT 4



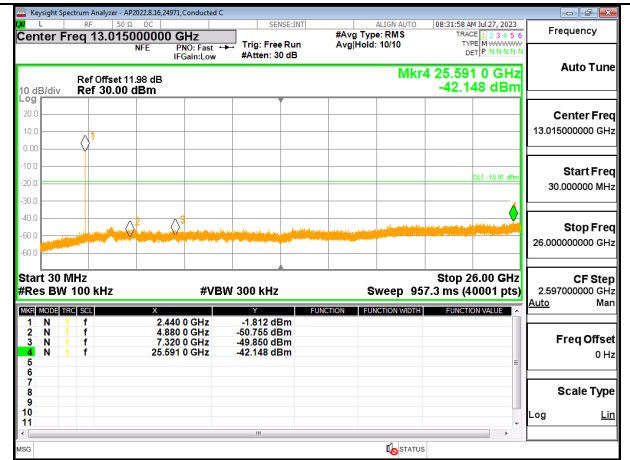
LOW CHANNEL BANDEDGE ANT 4



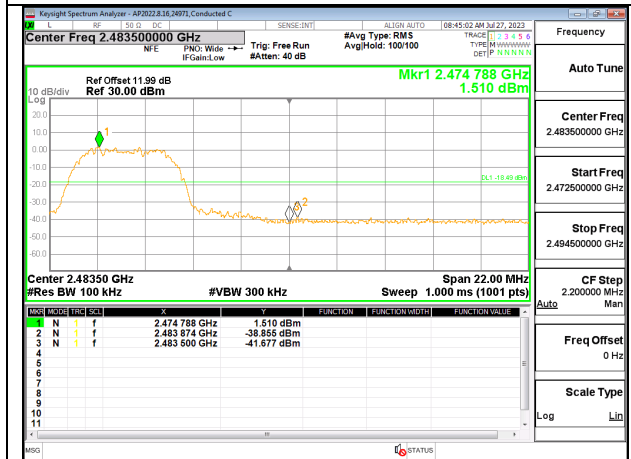
OUT-OF-BAND LOW CHANNEL ANT 4



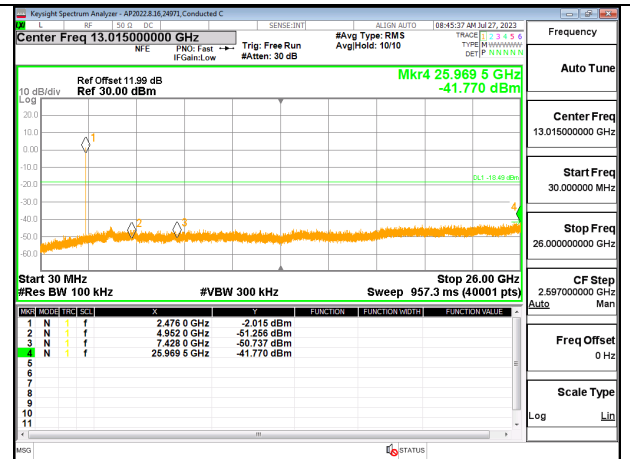
IN-BAND REFERENCE LEVEL ANT 4



OUT-OF-BAND MID CHANNEL ANT 4

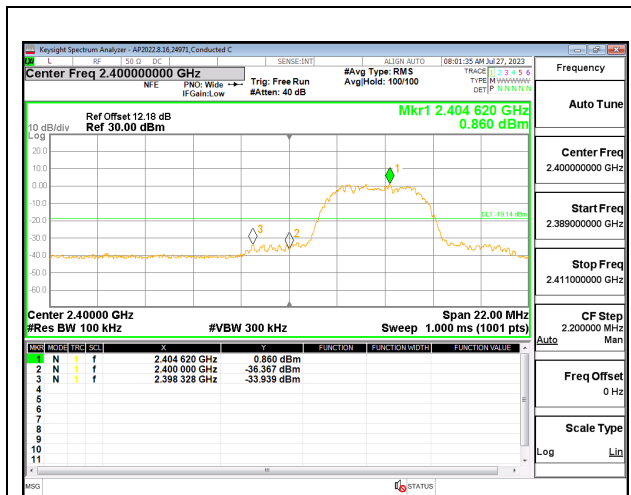


HIGH CHANNEL BANDEDGE ANT 4

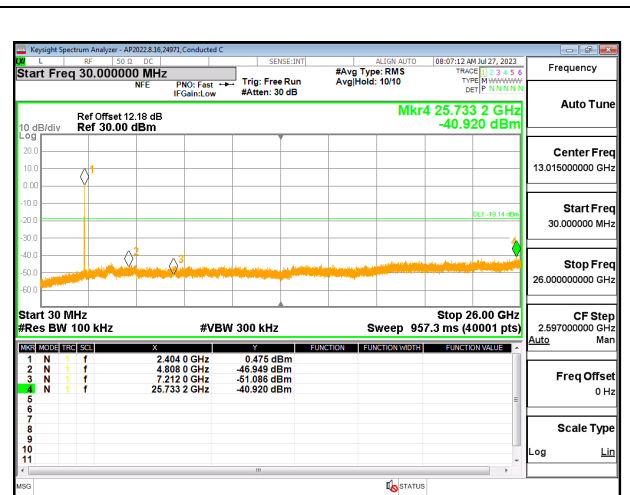


OUT-OF-BAND HIGH CHANNEL ANT 4

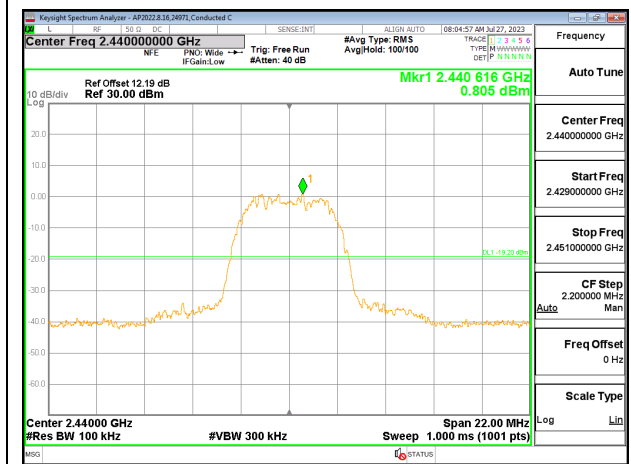
ANT 3



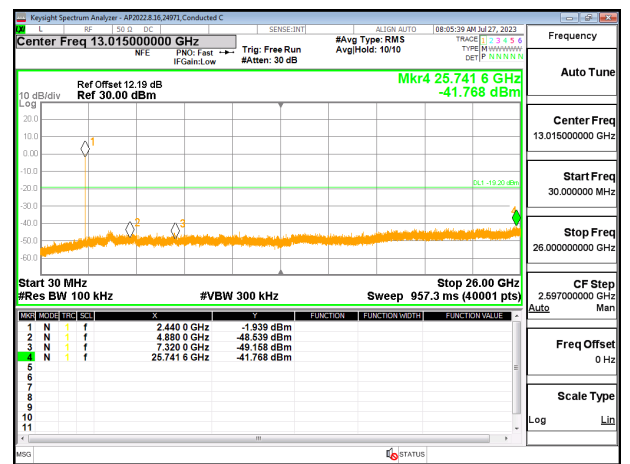
LOW CHANNEL BANDEDGE ANT 3



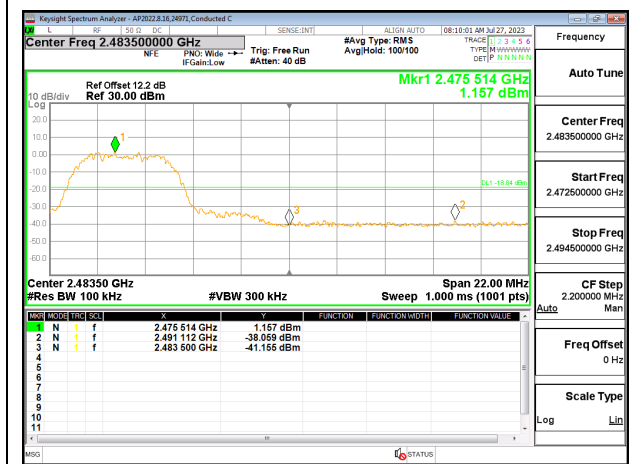
OUT-OF-BAND LOW CHANNEL ANT 3



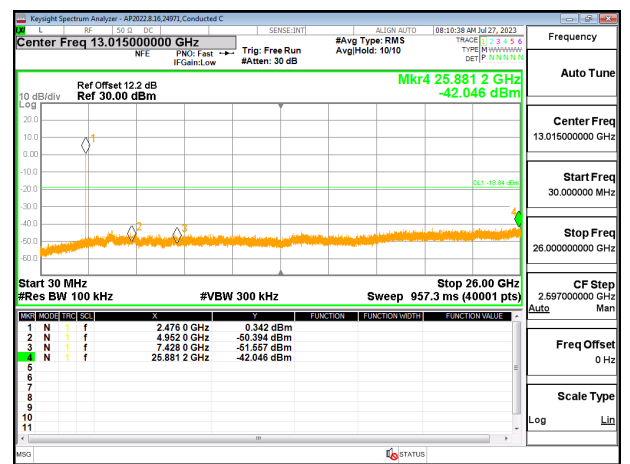
IN-BAND REFERENCE LEVEL ANT 3



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.

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

In addition:

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

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

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

RESULTS:

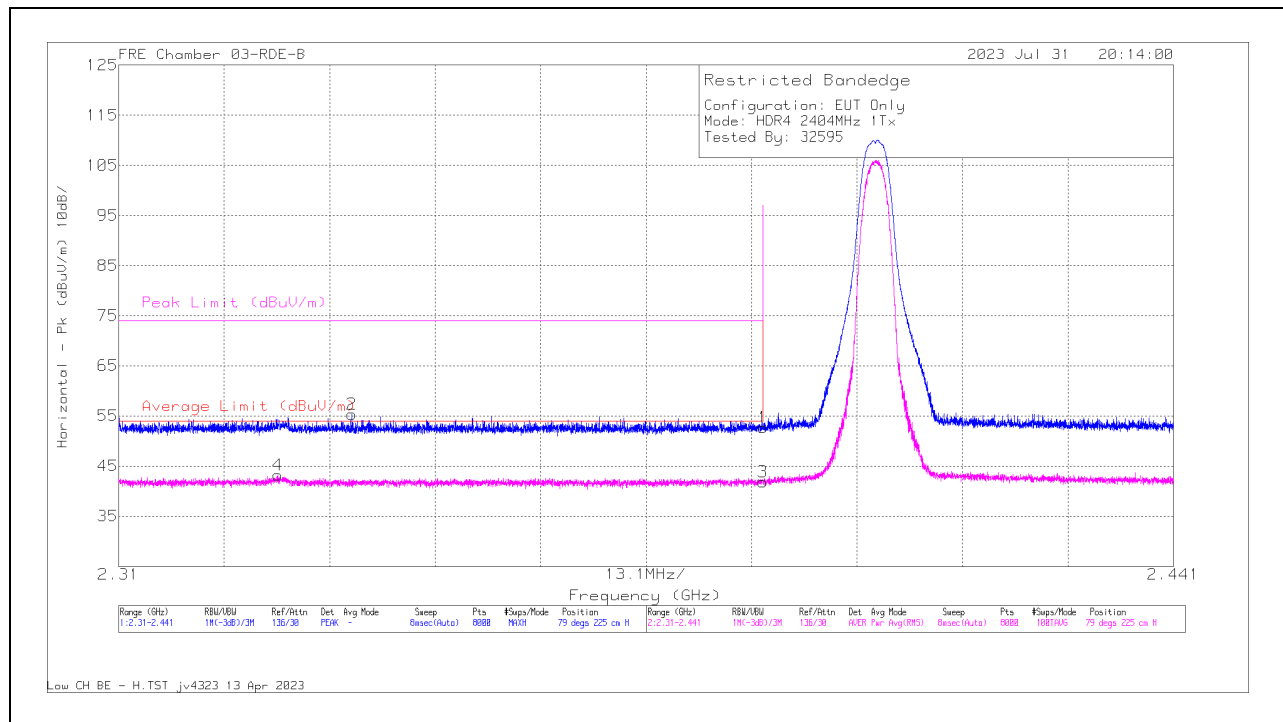
10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. HIGH POWER HDR (HDR4)

ANT 4

BANDEDGE (LOW CHANNEL)

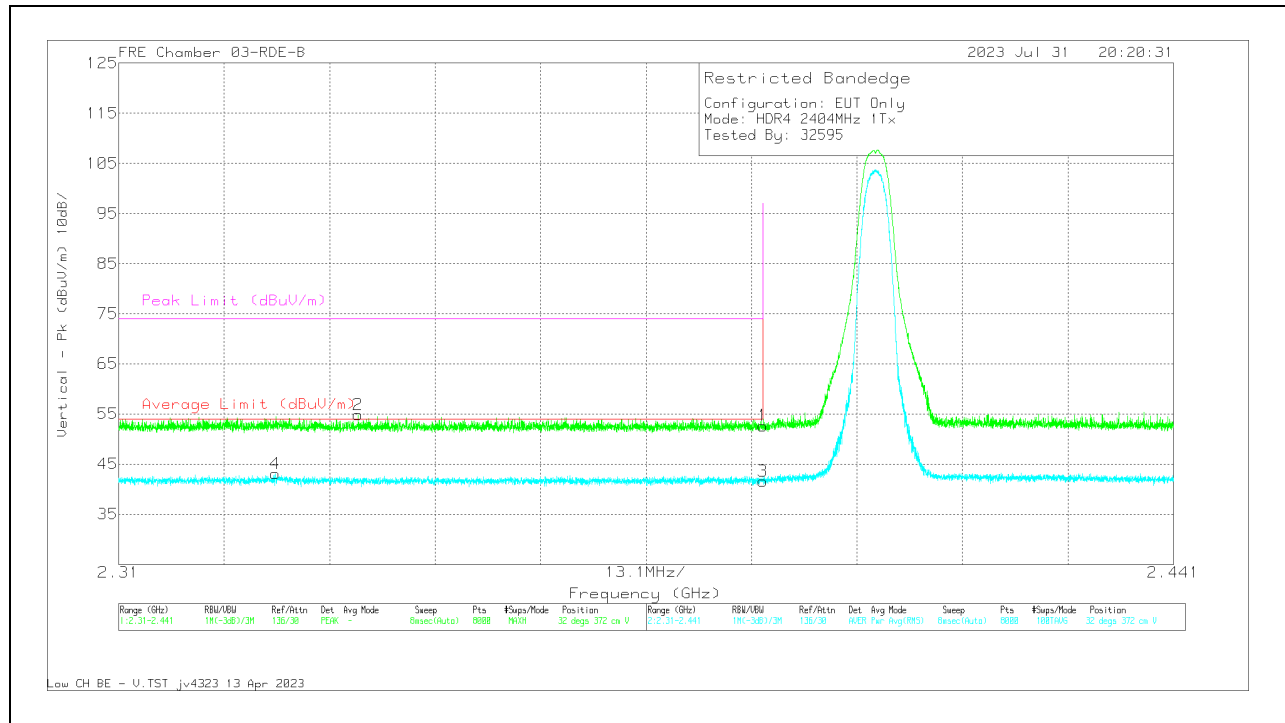
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct ed Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.68	Pk	32.2	0	-41.2	52.68	-	-	74	-21.32	79	225	H
2	* 2.338971	64.52	Pk	32.1	0	-41.3	55.32	-	-	74	-18.68	79	225	H
3	* 2.39	50.85	RMS	32.2	0	-41.2	41.85	54	-12.15	-	-	79	225	H
4	* 2.329751	52.32	RMS	32.1	0	-41.2	43.22	54	-10.78	-	-	79	225	H

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

VERTICAL RESULT

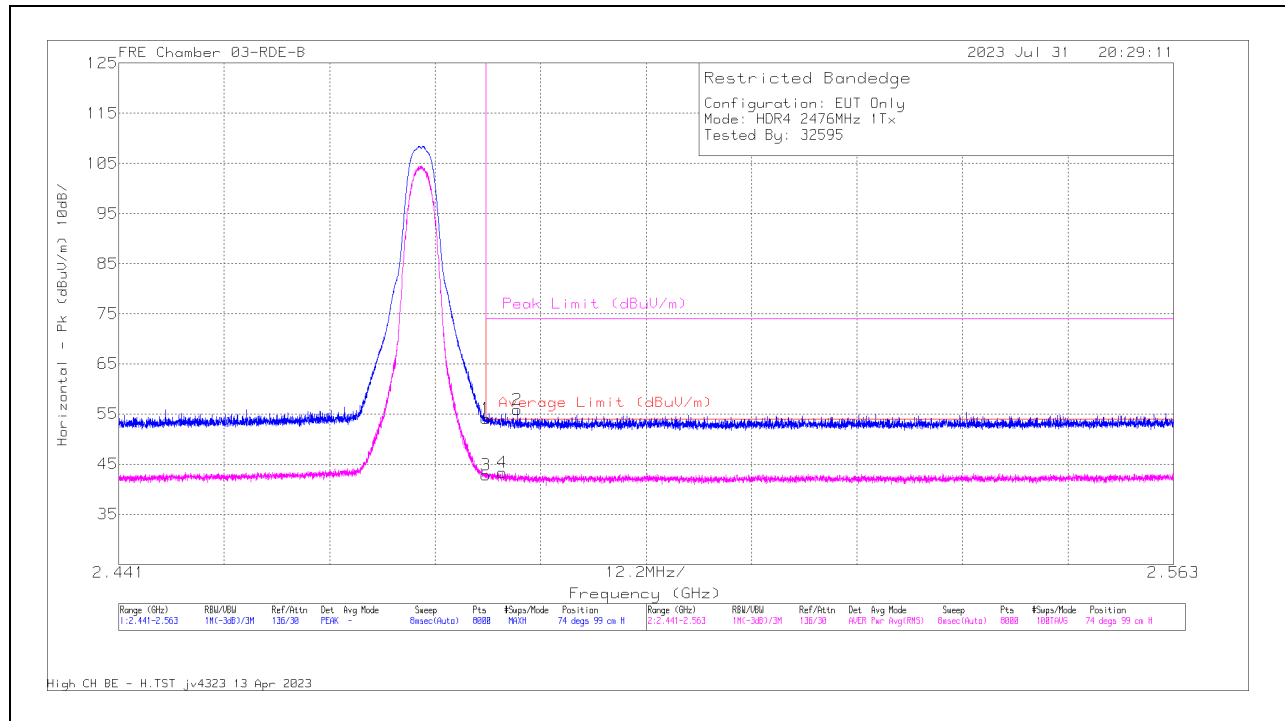


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.66	Pk	32.2	0	-41.2	52.66	-	-	74	-21.34	32	372	V
2	* 2.339741	63.98	Pk	32.1	0	-41.23	54.85	-	-	74	-19.15	32	372	V
3	* 2.39	50.61	RMS	32.2	0	-41.2	41.61	54	-12.39	-	-	32	372	V
4	* 2.329423	52.14	RMS	32.1	0	-41.2	43.04	54	-10.96	-	-	32	372	V

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

BANDEDGE (HIGH CHANNEL)

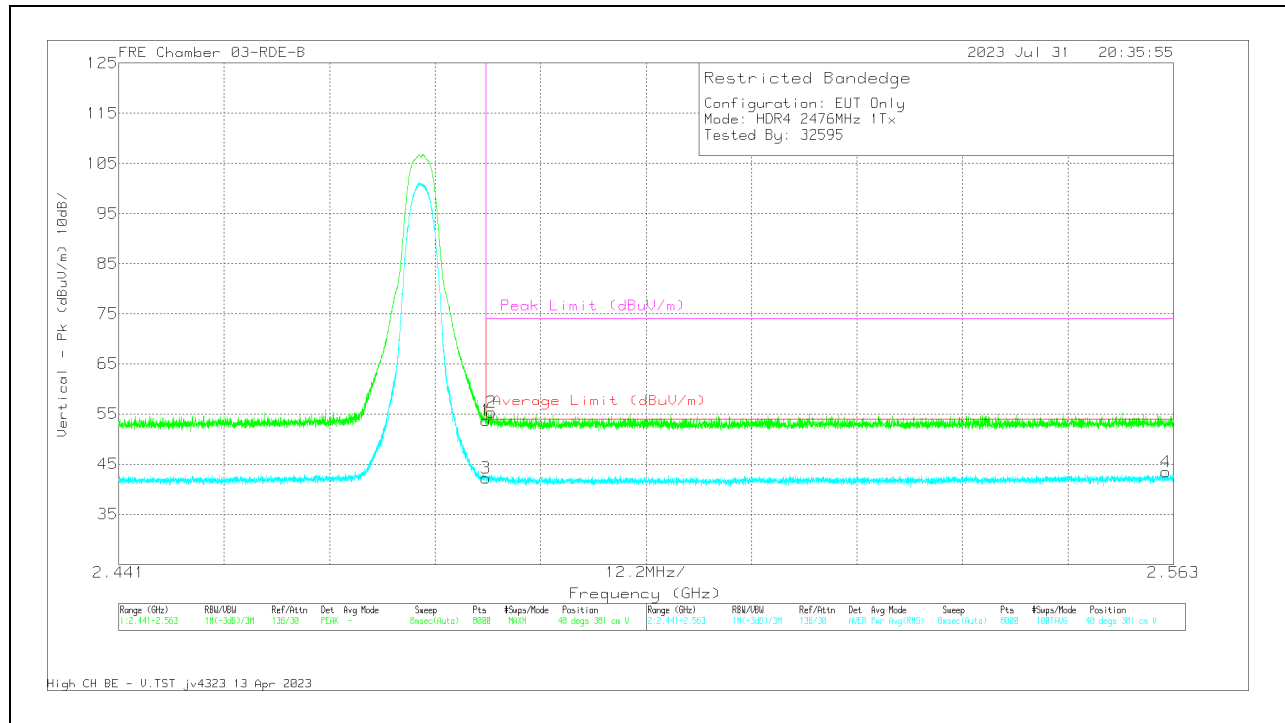
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.05	Pk	32.2	0	-41.15	54.1	-	-	74	-19.9	74	99	H
2	* 2.487107	64.82	Pk	32.2	0	-41.19	55.83	-	-	74	-18.17	74	99	H
3	* 2.4835	51.82	RMS	32.2	0	-41.15	42.87	54	-11.13	-	-	74	99	H
4	* 2.485353	52.25	RMS	32.2	0	-41.16	43.29	54	-10.71	-	-	74	99	H

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

VERTICAL RESULT



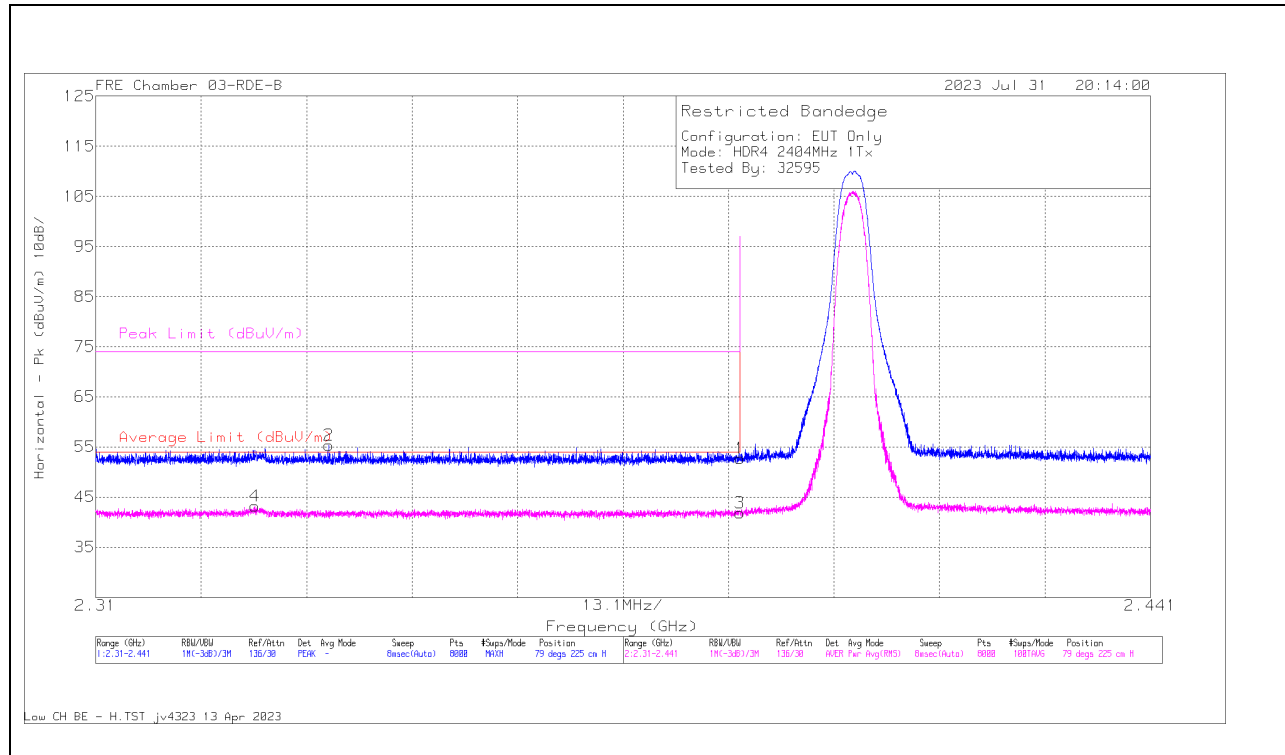
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62.67	Pk	32.2	0	-41.15	53.72	-	-	74	-20.28	48	381	V
2	* 2.484102	64.24	Pk	32.2	0	-41.11	55.33	-	-	74	-18.67	48	381	V
3	* 2.4835	51.12	RMS	32.2	0	-41.15	42.17	54	-11.83	-	-	48	381	V
4	2.562147	51.96	RMS	32.3	0	-40.8	43.46	54	-10.54	-	-	48	381	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

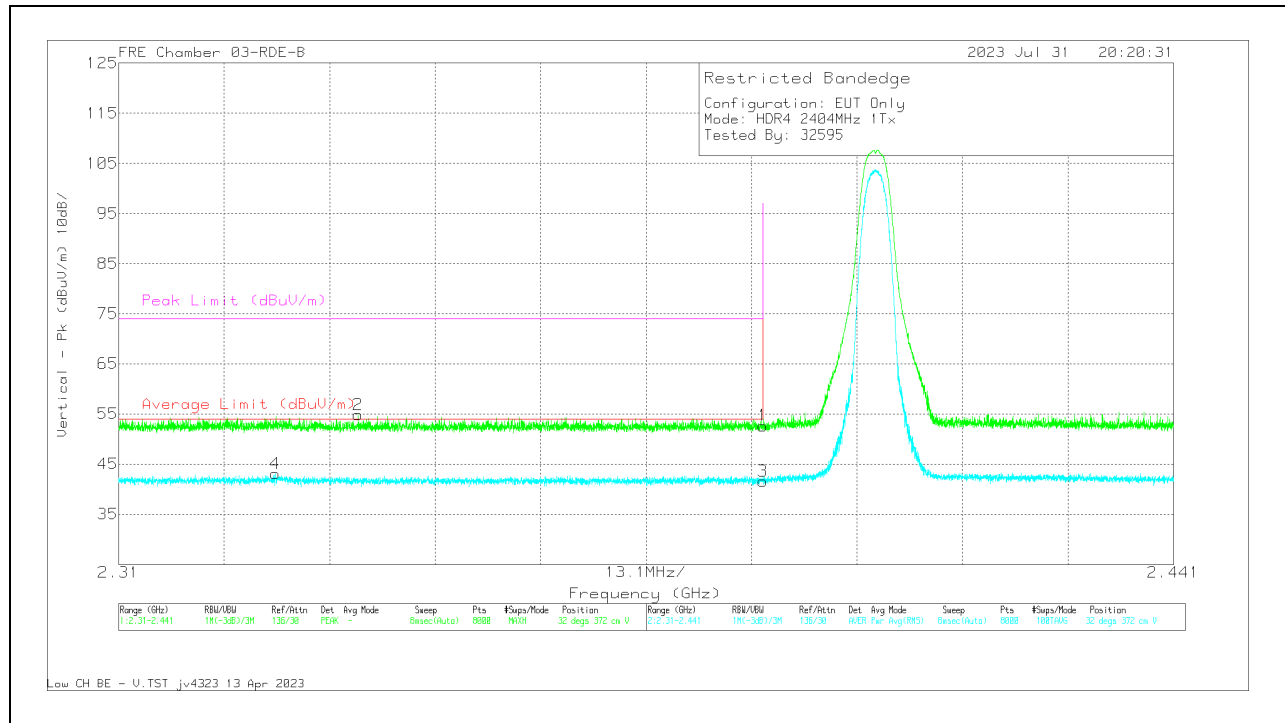
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.68	Pk	32.2	0	-41.2	52.68	-	-	74	-21.32	79	225	H
2	* 2.338971	64.52	Pk	32.1	0	-41.3	55.32	-	-	74	-18.68	79	225	H
3	* 2.39	50.85	RMS	32.2	0	-41.2	41.85	54	-12.15	-	-	79	225	H
4	* 2.329751	52.32	RMS	32.1	0	-41.2	43.22	54	-10.78	-	-	79	225	H

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

VERTICAL RESULT

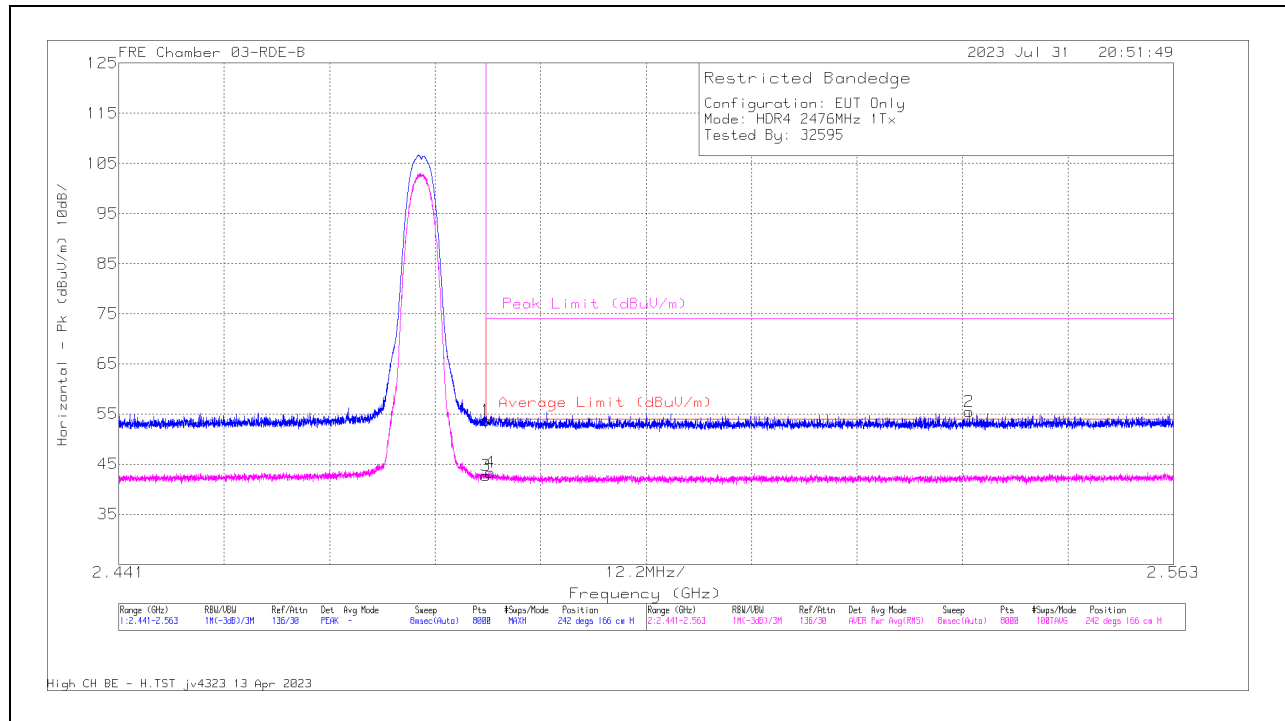


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.66	Pk	32.2	0	-41.2	52.66	-	-	74	-21.34	32	372	V
2	* 2.339741	63.98	Pk	32.1	0	-41.23	54.85	-	-	74	-19.15	32	372	V
3	* 2.39	50.61	RMS	32.2	0	-41.2	41.61	54	-12.39	-	-	32	372	V
4	* 2.329423	52.14	RMS	32.1	0	-41.2	43.04	54	-10.96	-	-	32	372	V

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

BANDEDGE (HIGH CHANNEL)

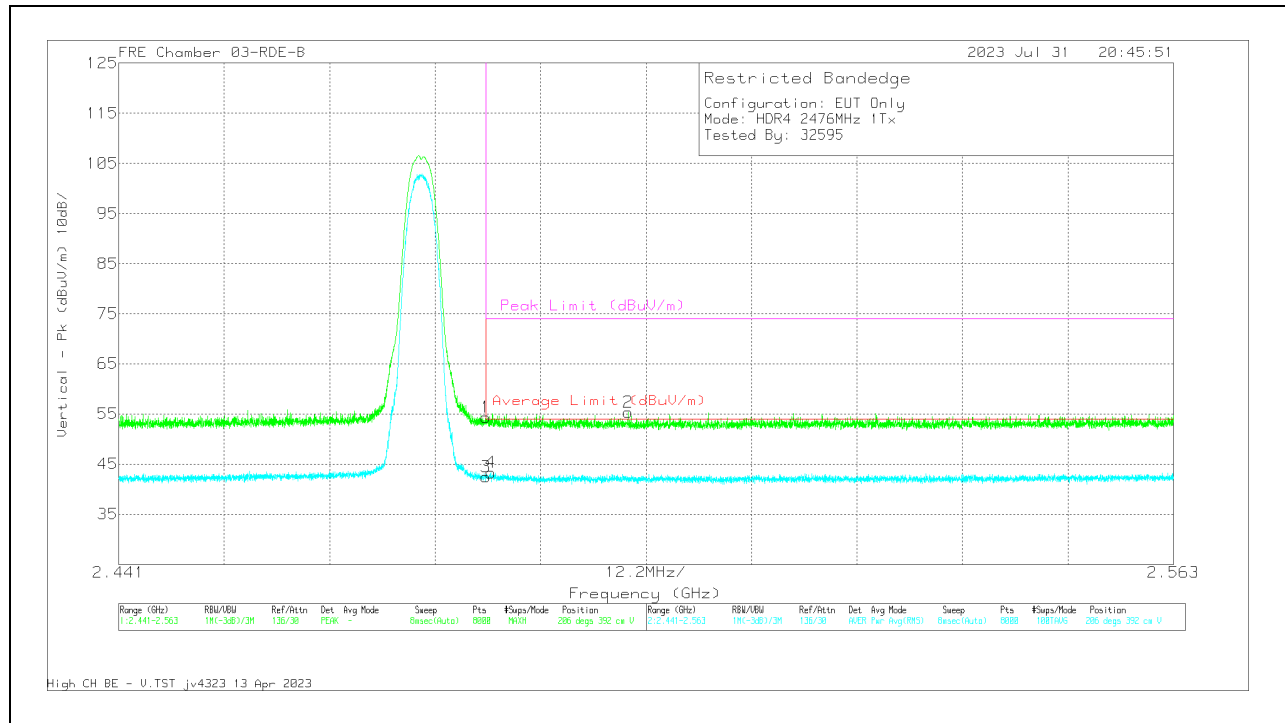
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62.67	Pk	32.2	0	-41.15	53.72	-	-	74	-20.28	242	166	H
3	* 2.4835	51.64	RMS	32.2	0	-41.15	42.69	54	-11.31	-	-	242	166	H
4	* 2.483965	52.24	RMS	32.2	0	-41.1	43.34	54	-10.66	-	-	242	166	H
2	2.539375	64.05	Pk	32.3	0	-40.9	55.45	-	-	74	-18.55	242	166	H

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

VERTICAL RESULT



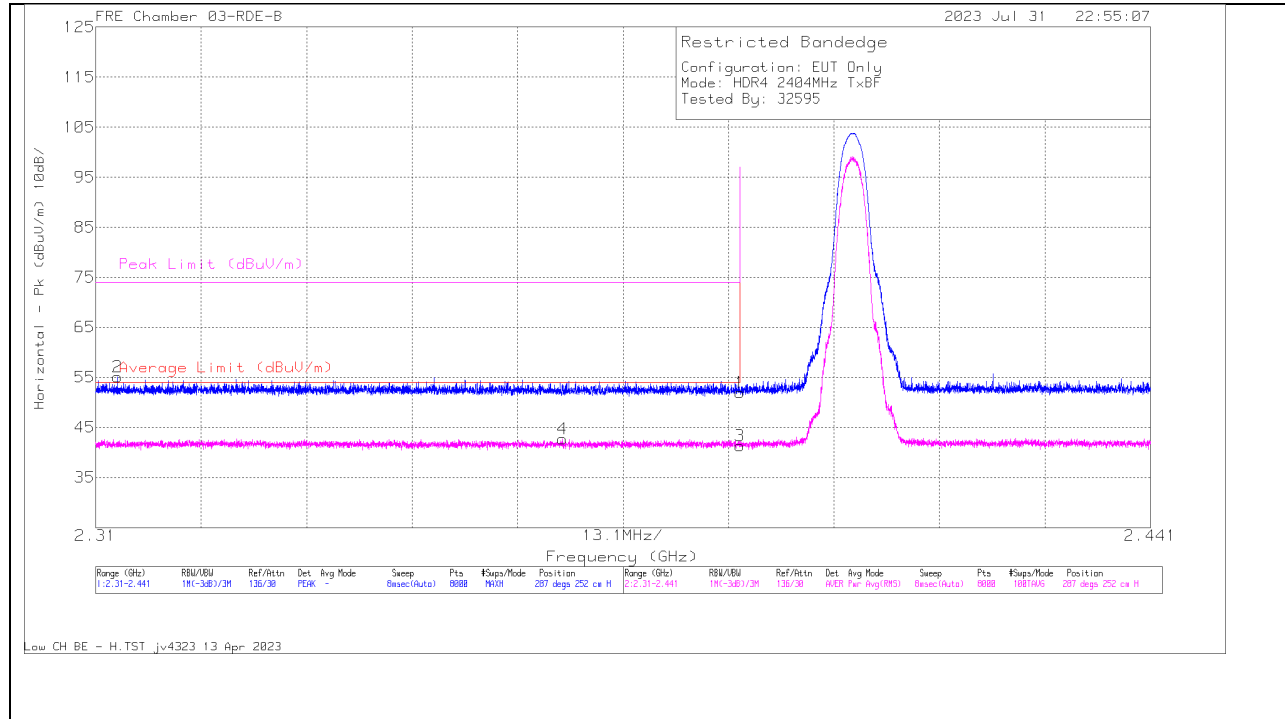
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.28	Pk	32.2	0	-41.15	54.33	-	-	74	-19.67	206	392	V
2	* 2.499918	64.18	Pk	32.2	0	-41.01	55.37	-	-	74	-18.63	206	392	V
3	* 2.4835	51.45	RMS	32.2	0	-41.15	42.5	54	-11.5	-	-	206	392	V
4	* 2.484026	52.18	RMS	32.2	0	-41.1	43.28	54	-10.72	-	-	206	392	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)

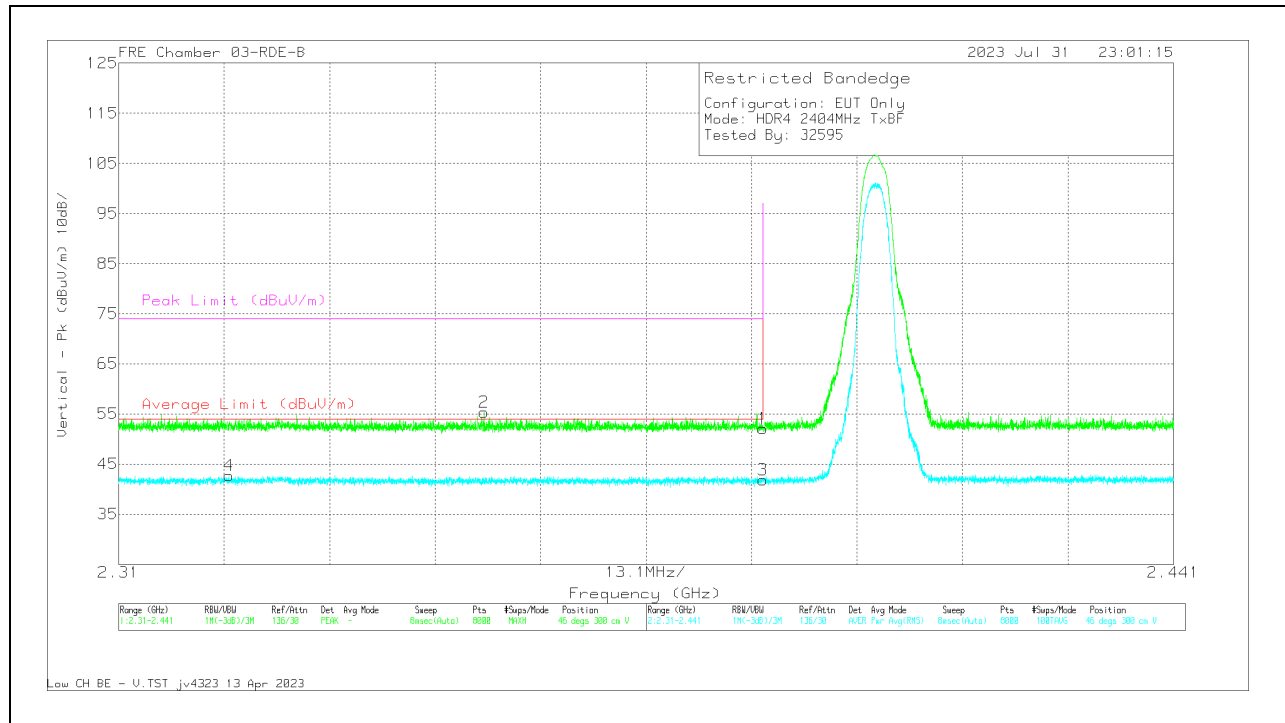
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.01	Pk	32.2	0	-41.2	52.01	-	-	74	-21.99	287	252	H
2	* 2.312719	64.29	Pk	32	0	-41.2	55.09	-	-	74	-18.91	287	252	H
3	* 2.39	50.31	RMS	32.2	0	-41.2	41.31	54	-12.69	-	-	287	252	H
4	* 2.367958	51.9	RMS	32.1	0	-41.3	42.7	54	-11.3	-	-	287	252	H

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

VERTICAL RESULT

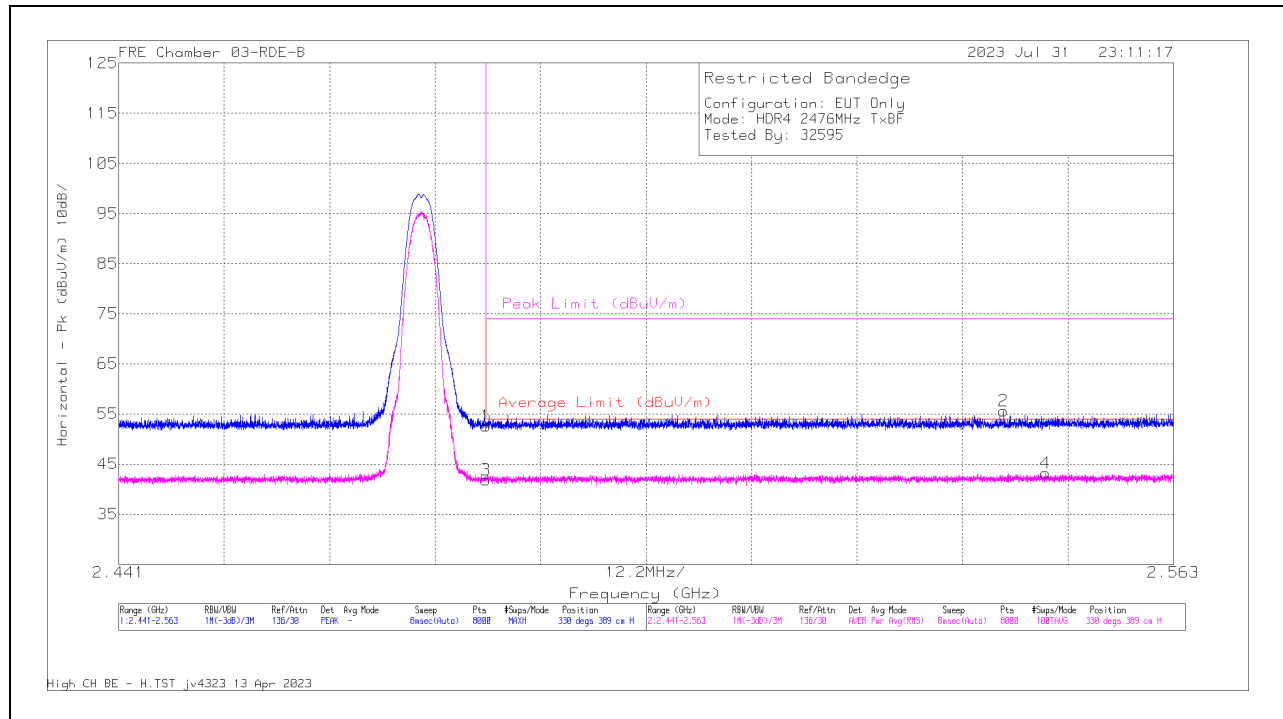


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.13	Pk	32.2	0	-41.2	52.13	-	-	74	-21.87	46	300	V
2	* 2.355348	64.48	Pk	32.1	0	-41.2	55.38	-	-	74	-18.62	46	300	V
3	* 2.39	50.86	RMS	32.2	0	-41.2	41.86	54	-12.14	-	-	46	300	V
4	* 2.323658	51.79	RMS	32.1	0	-41.17	42.72	54	-11.28	-	-	46	300	V

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

BANDEDGE (HIGH CHANNEL)

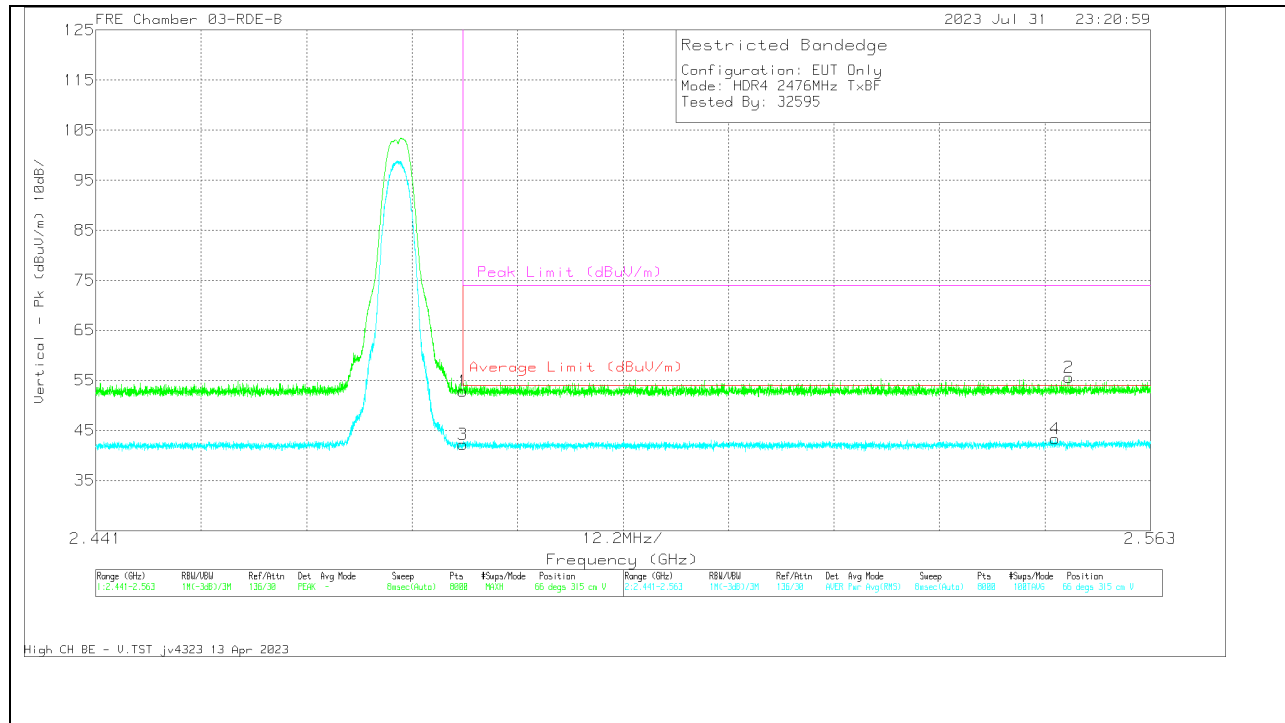
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.58	Pk	32.2	-41.15	52.63	-	-	74	-21.37	330	389	H
3	* 2.4835	50.78	RMS	32.2	-41.15	41.83	54	-12.17	-	-	330	389	H
2	2.543371	64.28	Pk	32.3	-41	55.58	-	-	74	-18.42	330	389	H
4	2.548191	51.81	RMS	32.3	-40.9	43.21	54	-10.79	-	-	330	389	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct ed Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.83	PK	32.2	0	-41.15	52.88	-	-	74	-21.12	66	315	V
3	* 2.4835	51.17	RMS	32.2	0	-41.15	42.22	54	-11.78	-	-	66	315	V
4	2.551974	51.94	RMS	32.3	0	-40.9	43.34	54	-10.66	-	-	66	315	V
2	2.553575	64.26	PK	32.3	0	-41	55.56	-	-	74	-18.44	66	315	V

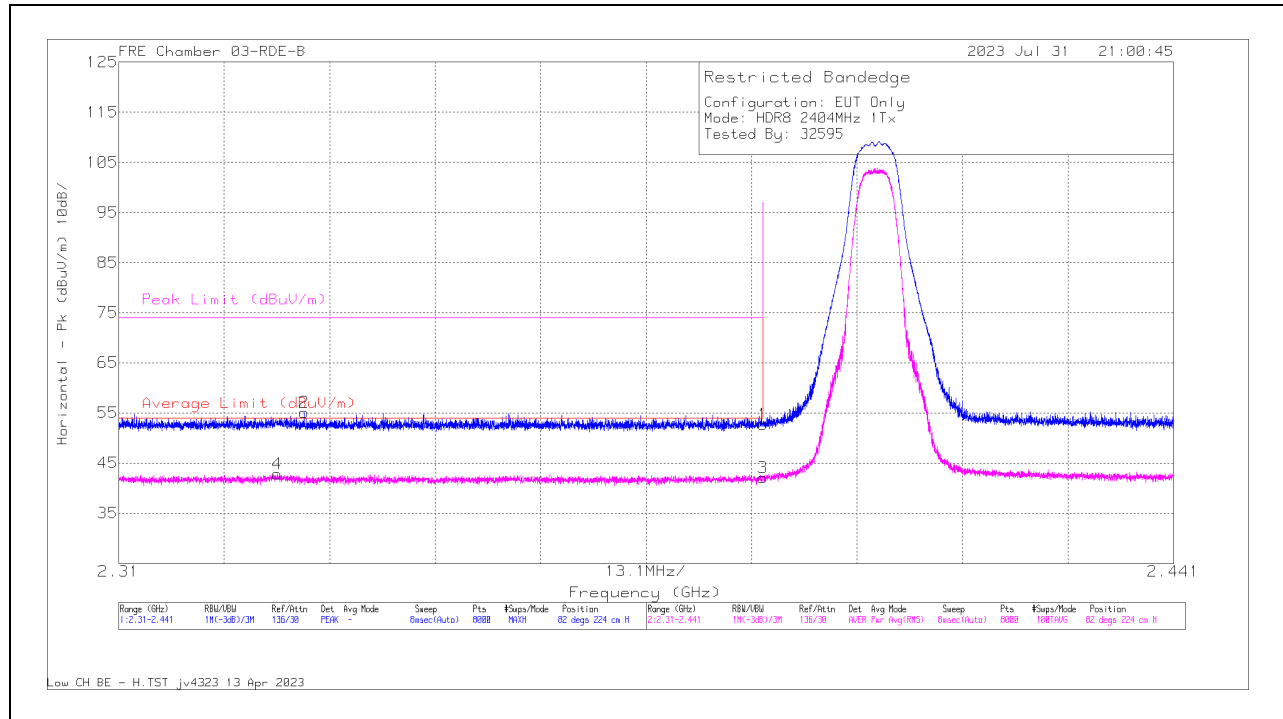
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 RMS - RMS detection

10.2.3. HIGH POWER HDR8

ANT 4

BANDEDGE (LOW CHANNEL)

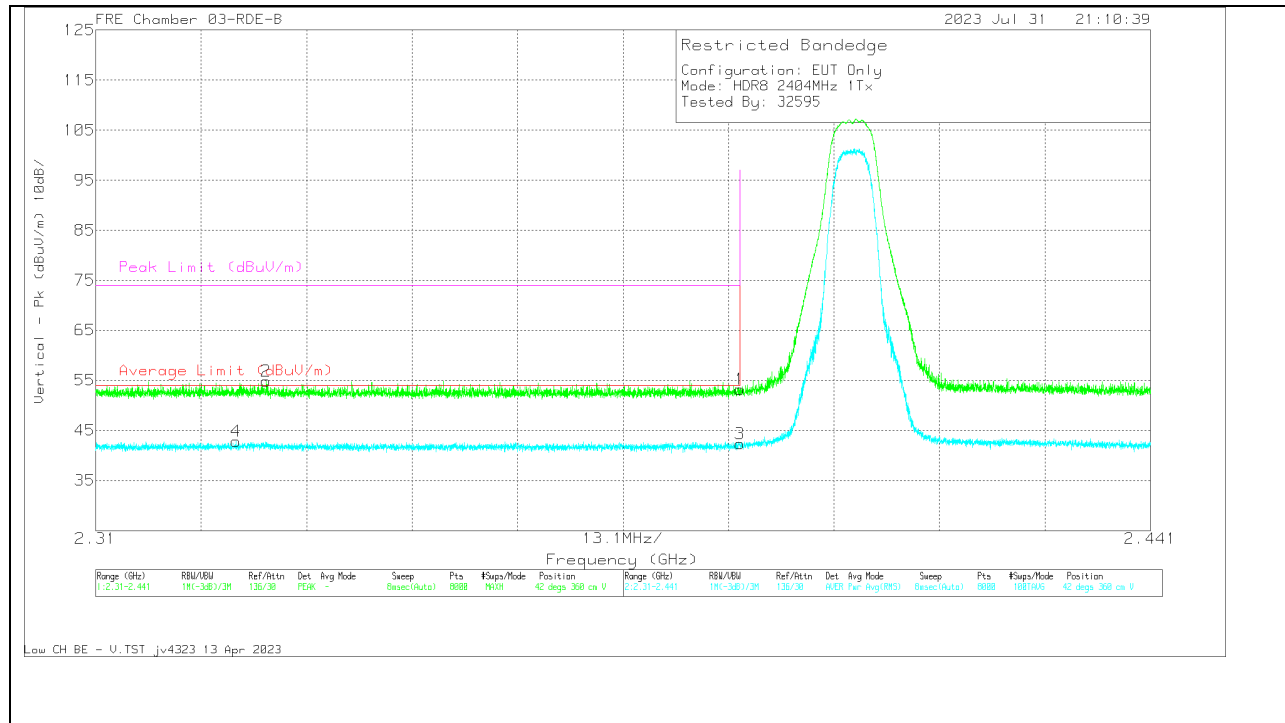
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.76	Pk	32.2	0	-41.2	52.76	-	-	74	-21.24	82	224	H
2	* 2.333042	64.3	Pk	32.1	0	-41.3	55.1	-	-	74	-18.9	82	224	H
3	* 2.39	51.09	RMS	32.2	0	-41.2	42.09	54	-11.91	-	-	82	224	H
4	* 2.329669	51.98	RMS	32.1	0	-41.2	42.88	54	-11.12	-	-	82	224	H

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

VERTICAL RESULT

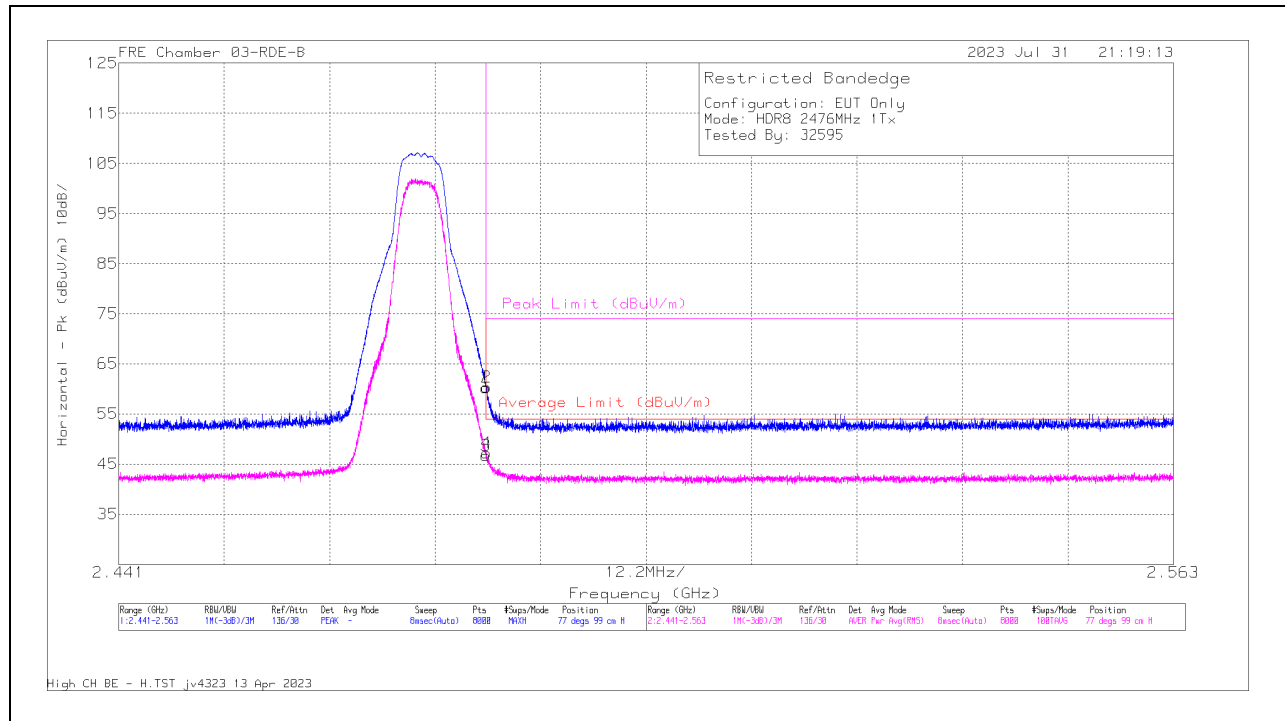


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	62.23	Pk	32.2	0	-41.2	53.23	-	-	74	-20.77	42	360	V
2	* 2.331192	64.02	Pk	32.1	0	-41.22	54.9	-	-	74	-19.1	42	360	V
3	* 2.39	51.29	RMS	32.2	0	-41.2	42.29	54	-11.71	-	-	42	360	V
4	* 2.327392	51.92	RMS	32.1	0	-41.2	42.82	54	-11.18	-	-	42	360	V

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

BANDEDGE (HIGH CHANNEL)

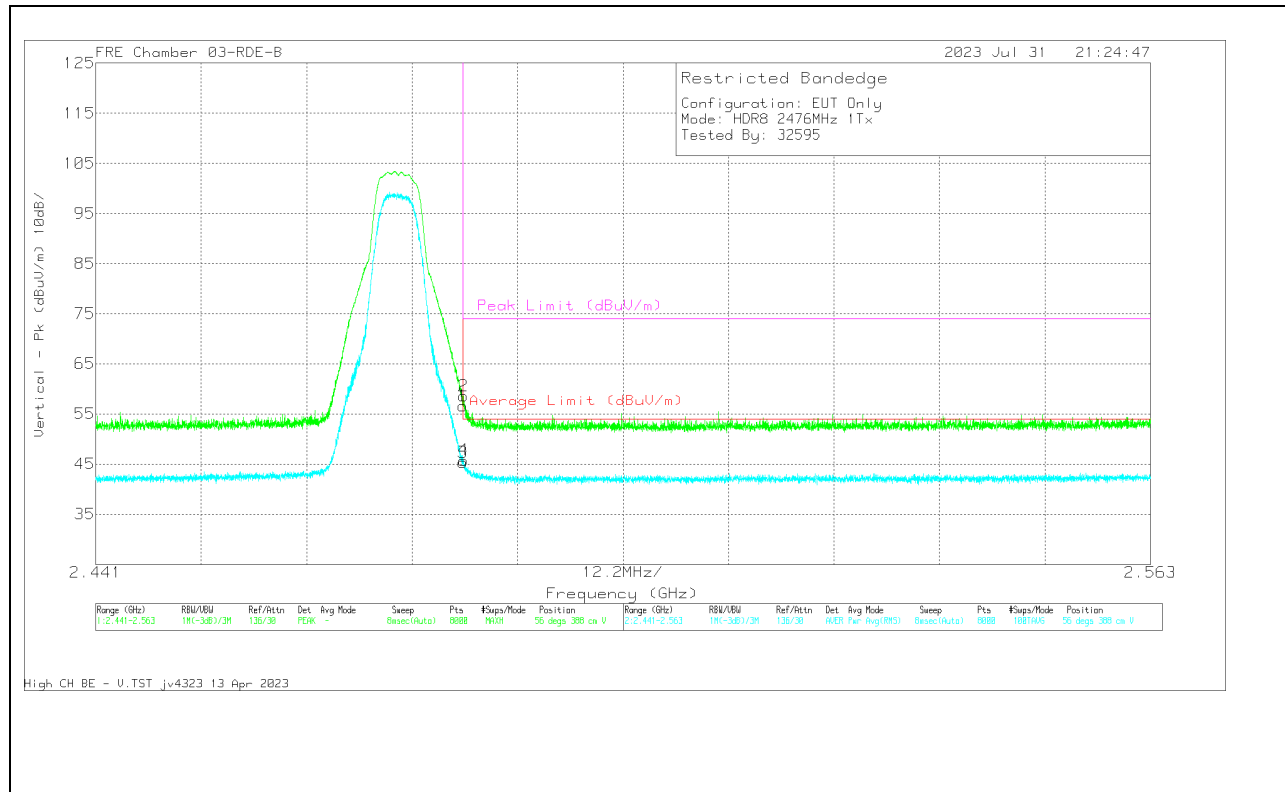
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	69.23	Pk	32.2	0	-41.15	60.28	-	-	74	-13.72	77	99	H
2	* 2.483523	69.33	Pk	32.2	0	-41.15	60.38	-	-	74	-13.62	77	99	H
3	* 2.4835	55.63	RMS	32.2	0	-41.15	46.68	54	-7.32	-	-	77	99	H
4	* 2.483553	56.15	RMS	32.2	0	-41.14	47.21	54	-6.79	-	-	77	99	H

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

VERTICAL RESULT



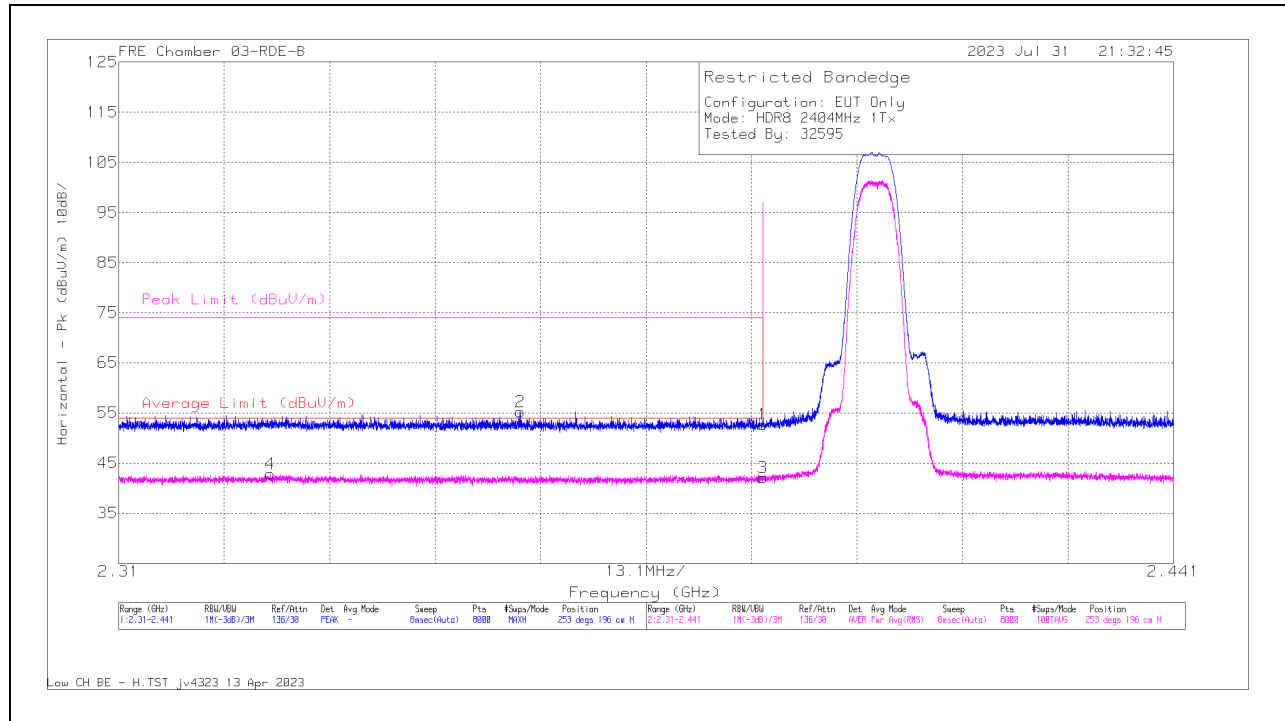
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	65.52	Pk	32.2	0	-41.15	56.57	-	-	74	-17.43	56	388	V
2	* 2.483523	67.59	Pk	32.2	0	-41.15	58.64	-	-	74	-15.36	56	388	V
3	* 2.4835	54.24	RMS	32.2	0	-41.15	45.29	54	-8.71	-	-	56	388	V
4	* 2.483538	54.73	RMS	32.2	0	-41.15	45.78	54	-8.22	-	-	56	388	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

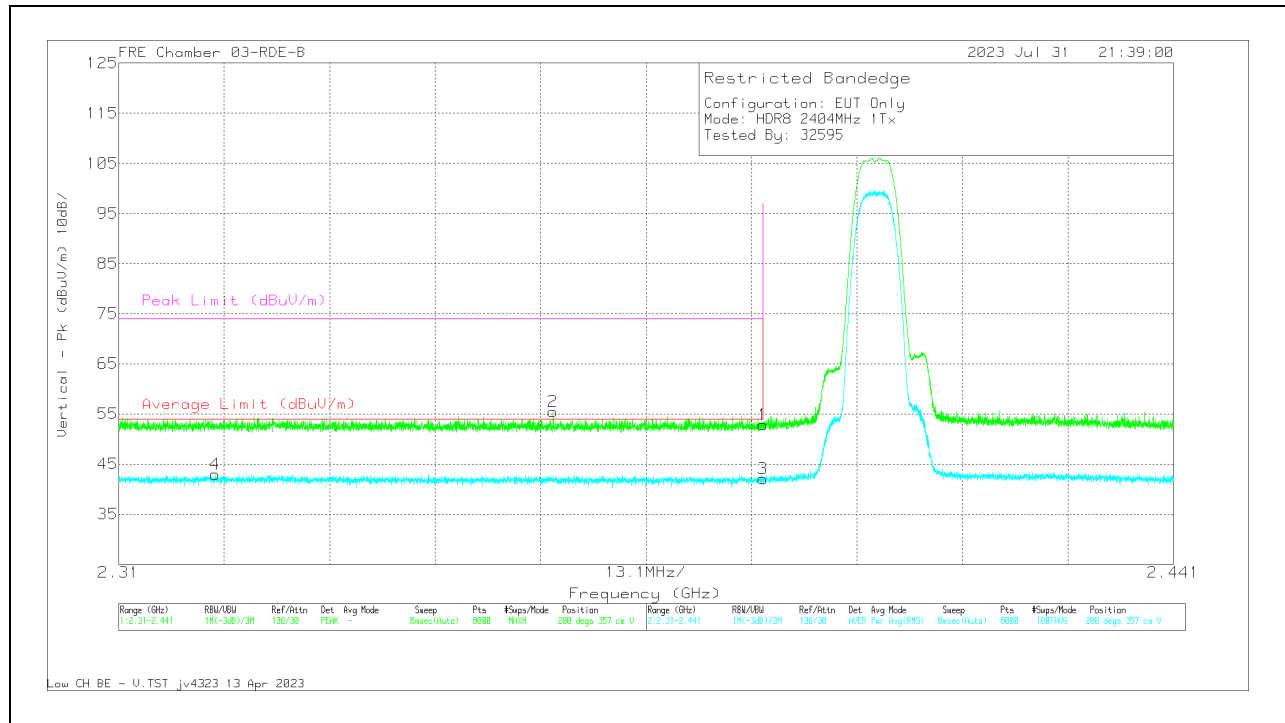
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.68	Pk	32.2	0	-41.2	52.68	-	-	74	-21.32	253	196	H
2	* 2.359852	64.35	Pk	32.1	0	-41.19	55.26	-	-	74	-18.74	253	196	H
3	* 2.39	51.07	RMS	32.2	0	-41.2	42.07	54	-11.93	-	-	253	196	H
4	* 2.328817	51.89	RMS	32.1	0	-41.2	42.79	54	-11.21	-	-	253	196	H

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

VERTICAL RESULT

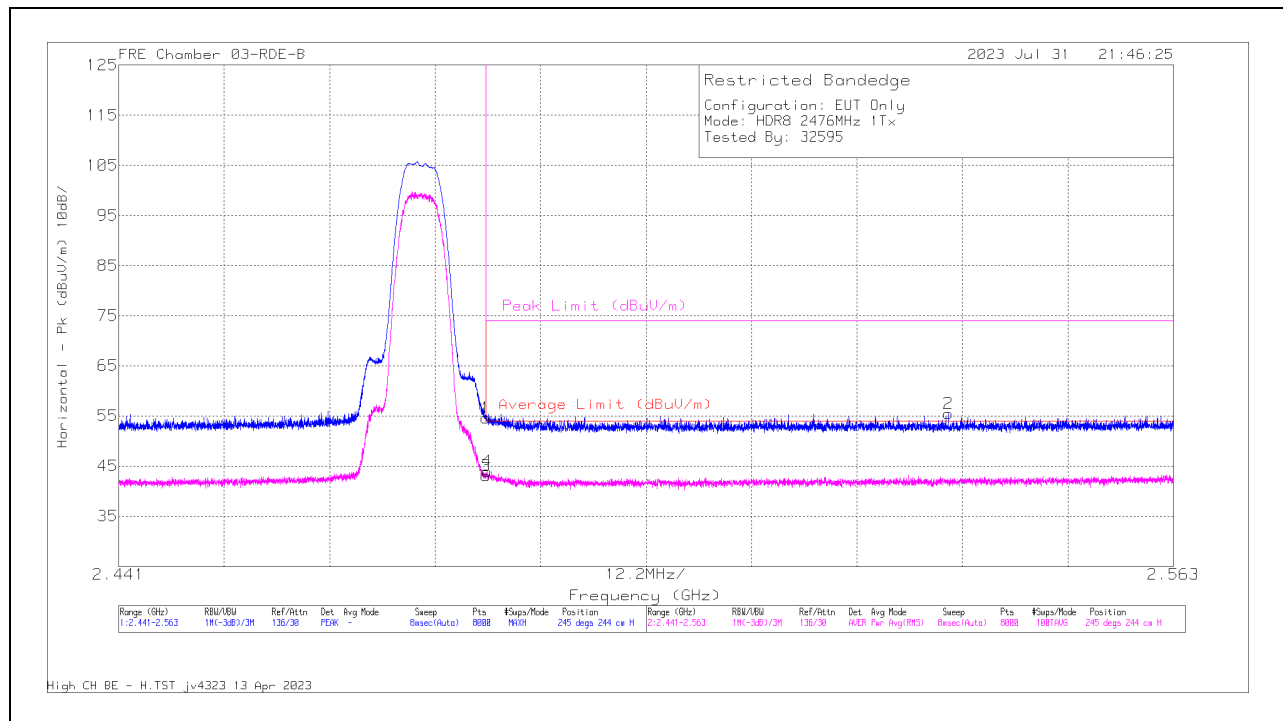


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.84	Pk	32.2	0	-41.2	52.84	-	-	74	-21.16	200	357	V
2	* 2.363929	64.55	Pk	32.1	0	-41.2	55.45	-	-	74	-18.55	200	357	V
3	* 2.39	51.05	RMS	32.2	0	-41.2	42.05	54	-11.95	-	-	200	357	V
4	* 2.321972	52.02	RMS	32.1	0	-41.2	42.92	54	-11.08	-	-	200	357	V

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

BANDEDGE (HIGH CHANNEL)

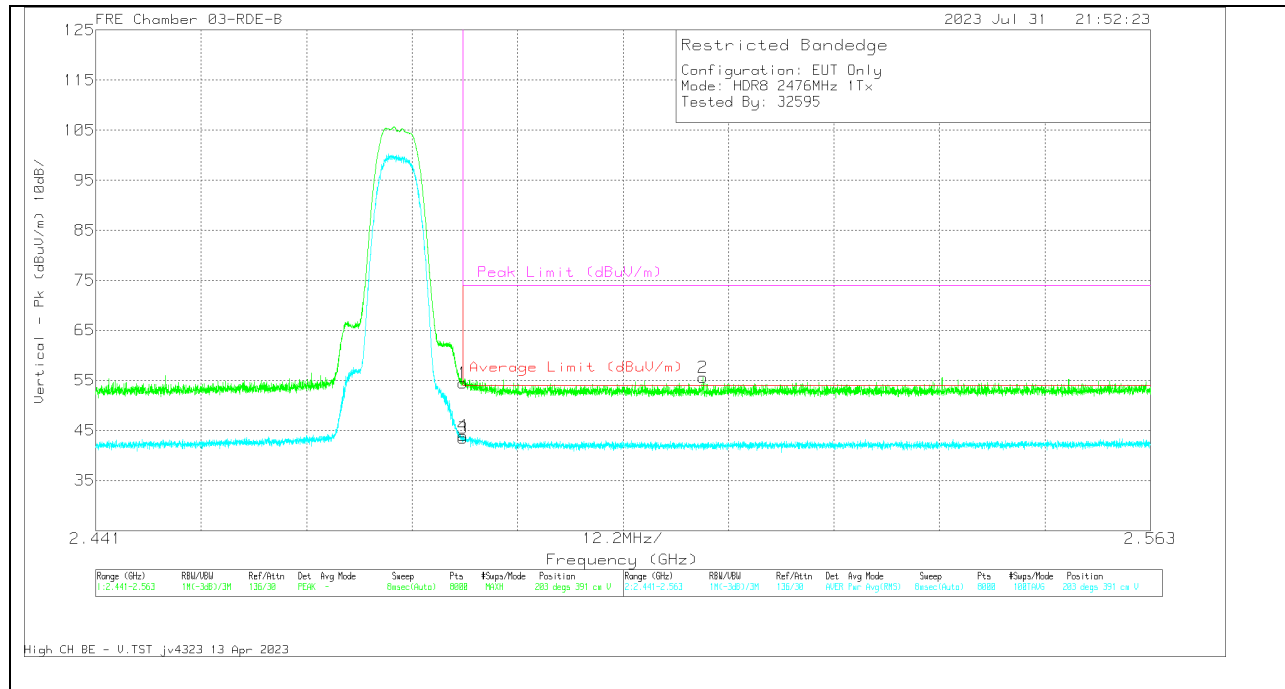
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.58	Pk	32.2	0	-41.15	54.63	-	-	74	-19.37	245	244	H
3	* 2.4835	52.03	RMS	32.2	0	-41.15	43.08	54	-10.92	-	-	245	244	H
4	* 2.483599	52.9	RMS	32.2	0	-41.14	43.96	54	-10.04	-	-	245	244	H
2	2.536966	64.18	Pk	32.3	0	-41	55.48	-	-	74	-18.52	245	244	H

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

VERTICAL RESULT



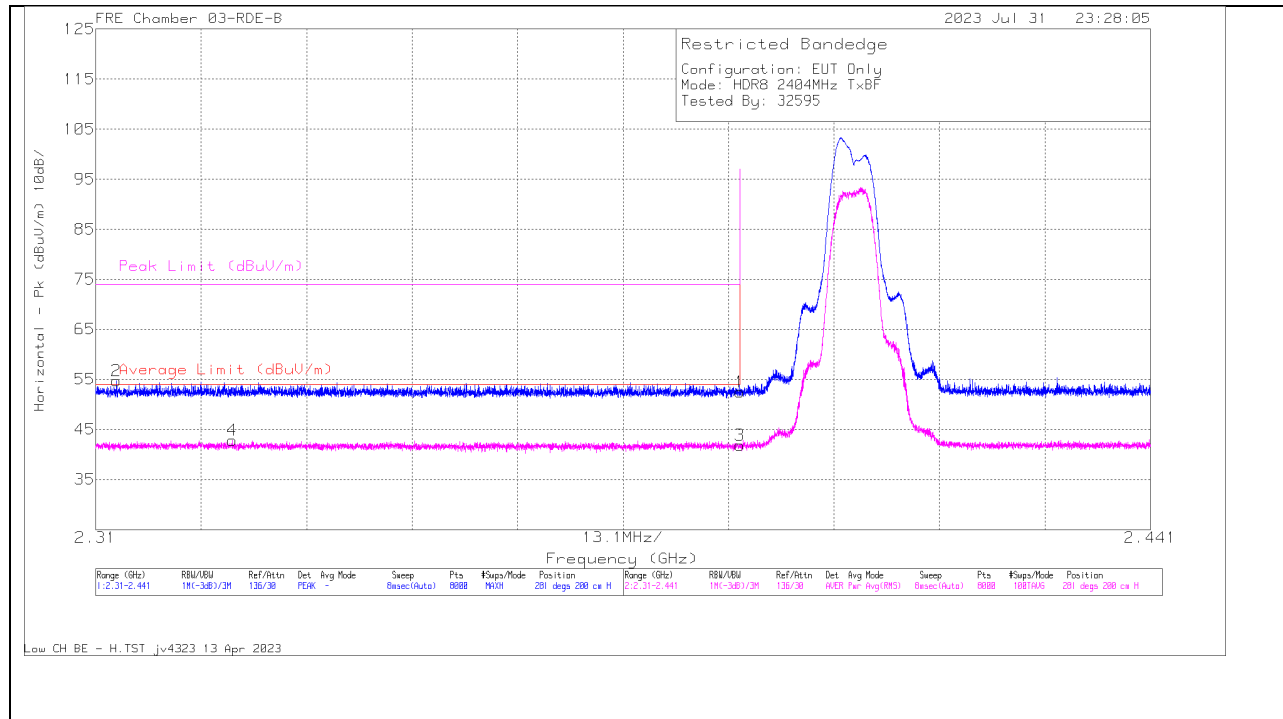
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.42	Pk	32.2	0	-41.15	54.47	-	-	74	-19.53	203	391	V
3	* 2.4835	52.41	RMS	32.2	0	-41.15	43.46	54	-10.54	-	-	203	391	V
4	* 2.483507	52.94	RMS	32.2	0	-41.15	43.99	54	-10.01	-	-	203	391	V
2	2.511266	64.47	Pk	32.2	0	-41.1	55.57	-	-	74	-18.43	203	391	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)

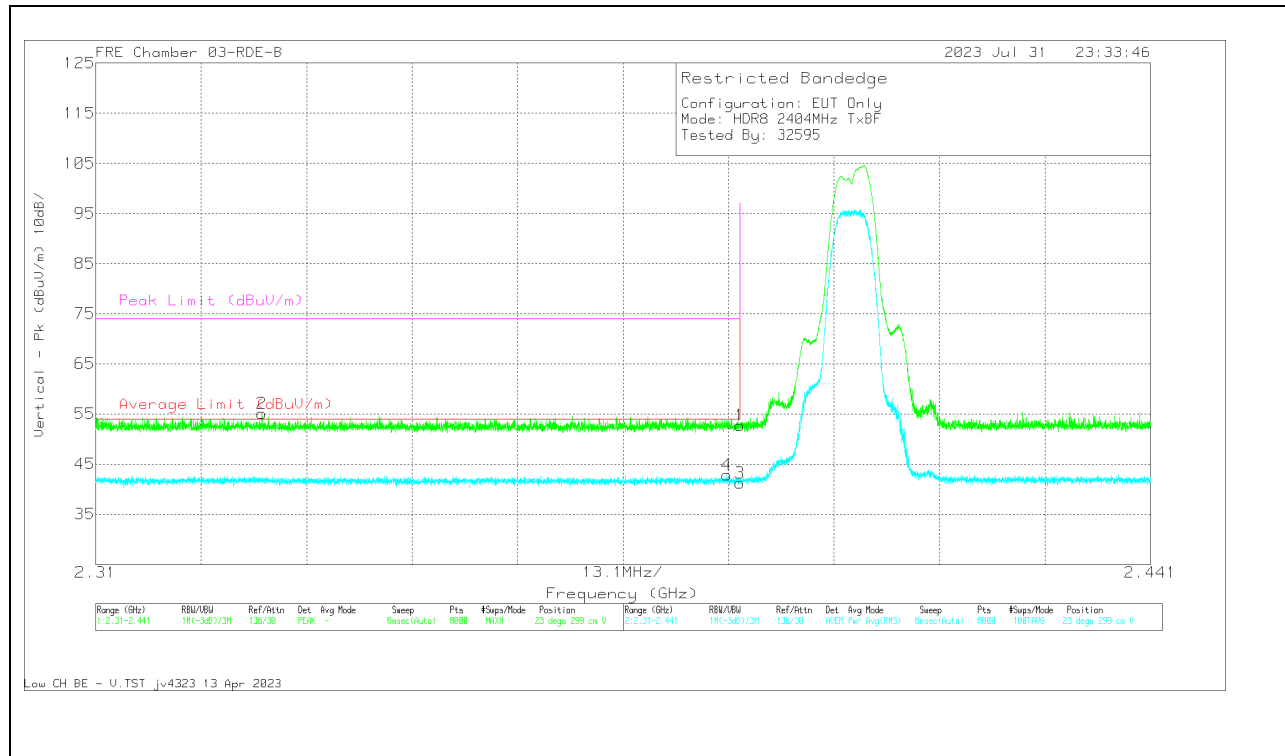
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.48	Pk	32.2	0	-41.2	52.48	-	-	74	-21.52	281	200	H
2	* 2.312571	63.91	Pk	32	0	-41.2	54.71	-	-	74	-19.29	281	200	H
3	* 2.39	50.79	RMS	32.2	0	-41.2	41.79	54	-12.21	-	-	281	200	H
4	* 2.326934	51.92	RMS	32.1	0	-41.2	42.82	54	-11.18	-	-	281	200	H

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

VERTICAL RESULT

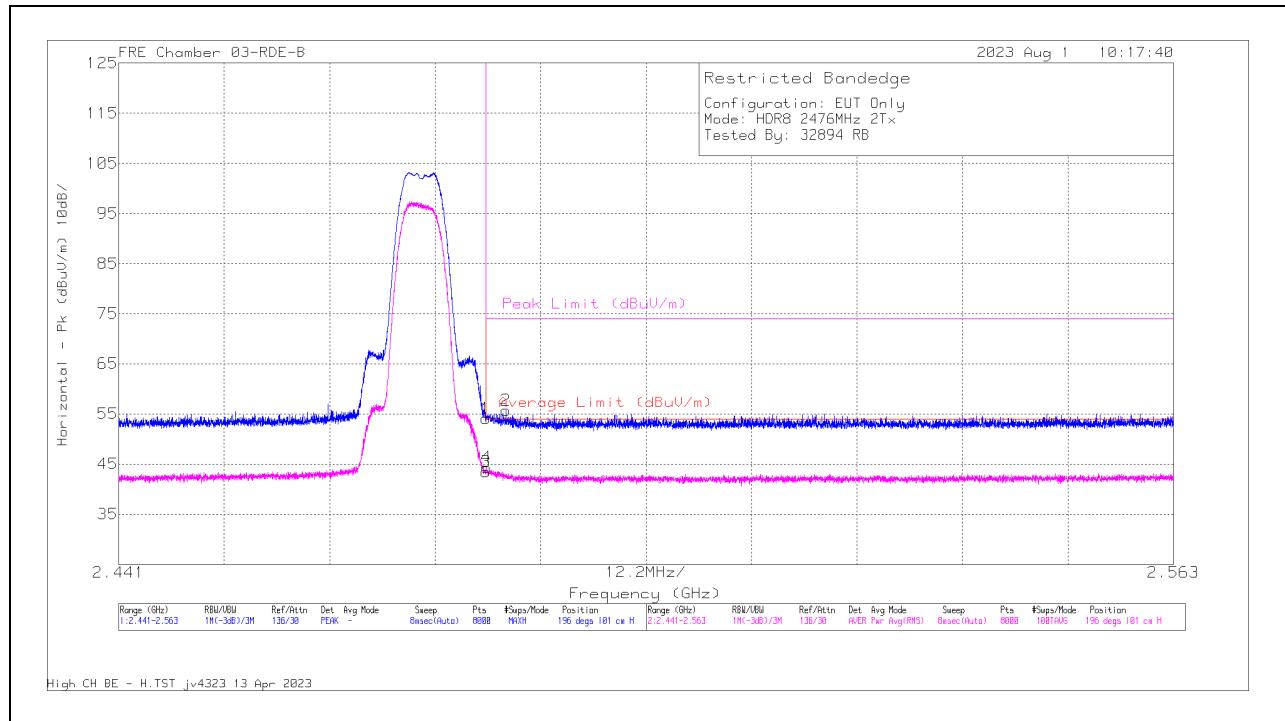


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	GainLoss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.68	Pk	32.2	0	-41.2	52.68	-	-	74	-21.32	23	299	V
2	* 2.330651	64.2	Pk	32.1	0	-41.2	55.1	-	-	74	-18.9	23	299	V
3	* 2.39	50.18	RMS	32.2	0	-41.2	41.18	54	-12.82	-	-	23	299	V
4	* 2.388413	51.92	RMS	32.2	0	-41.24	42.88	54	-11.12	-	-	23	299	V

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

BANDEDGE (HIGH CHANNEL)

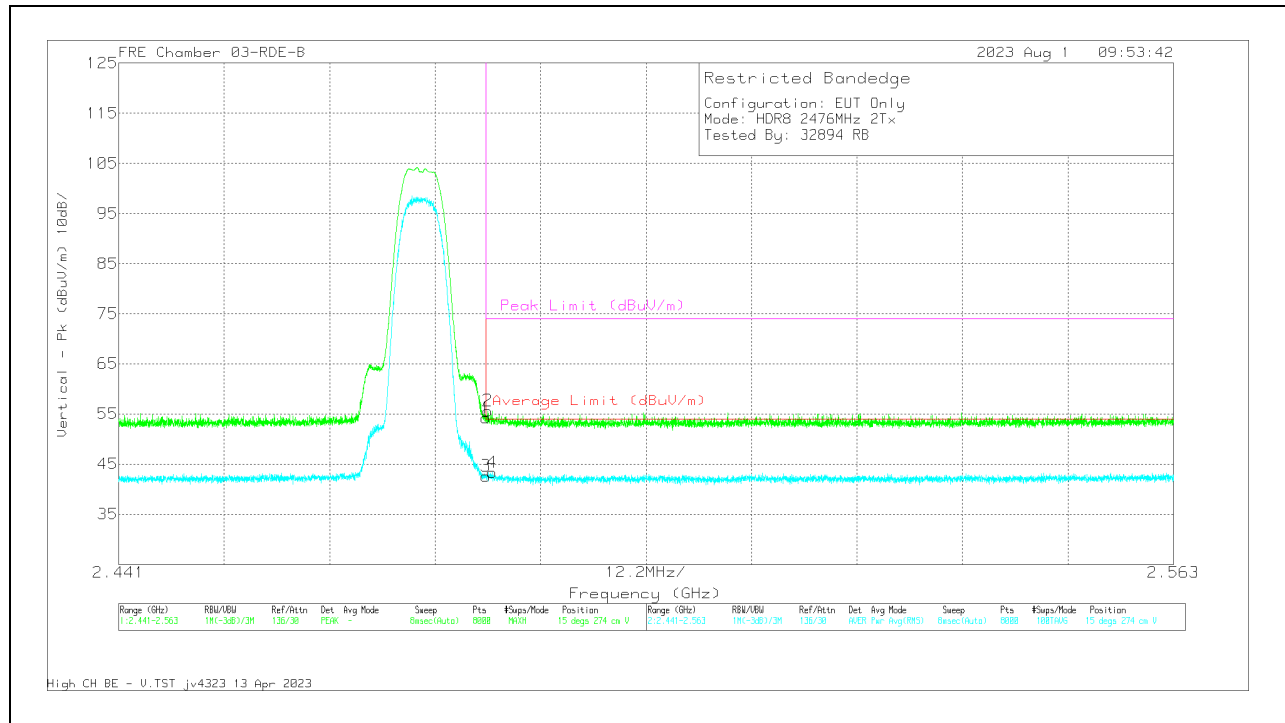
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.05	Pk	32.2	-41.15	54.1	-	-	74	-19.9	196	101	H
2	* 2.485795	64.64	Pk	32.2	-41.12	55.72	-	-	74	-18.28	196	101	H
3	* 2.4835	52.42	RMS	32.2	-41.15	43.47	54	-10.53	-	-	196	101	H
4	* 2.483553	53.26	RMS	32.2	-41.14	44.32	54	-9.68	-	-	196	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	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.2	Pk	32.2	-41.15	54.25	-	-	74	-19.75	15	274	V
2	* 2.483721	64.59	Pk	32.2	-41.13	55.66	-	-	74	-18.34	15	274	V
3	* 2.4835	51.6	RMS	32.2	-41.15	42.65	54	-11.35	-	-	15	274	V
4	* 2.484209	52.26	RMS	32.2	-41.12	43.34	54	-10.66	-	-	15	274	V

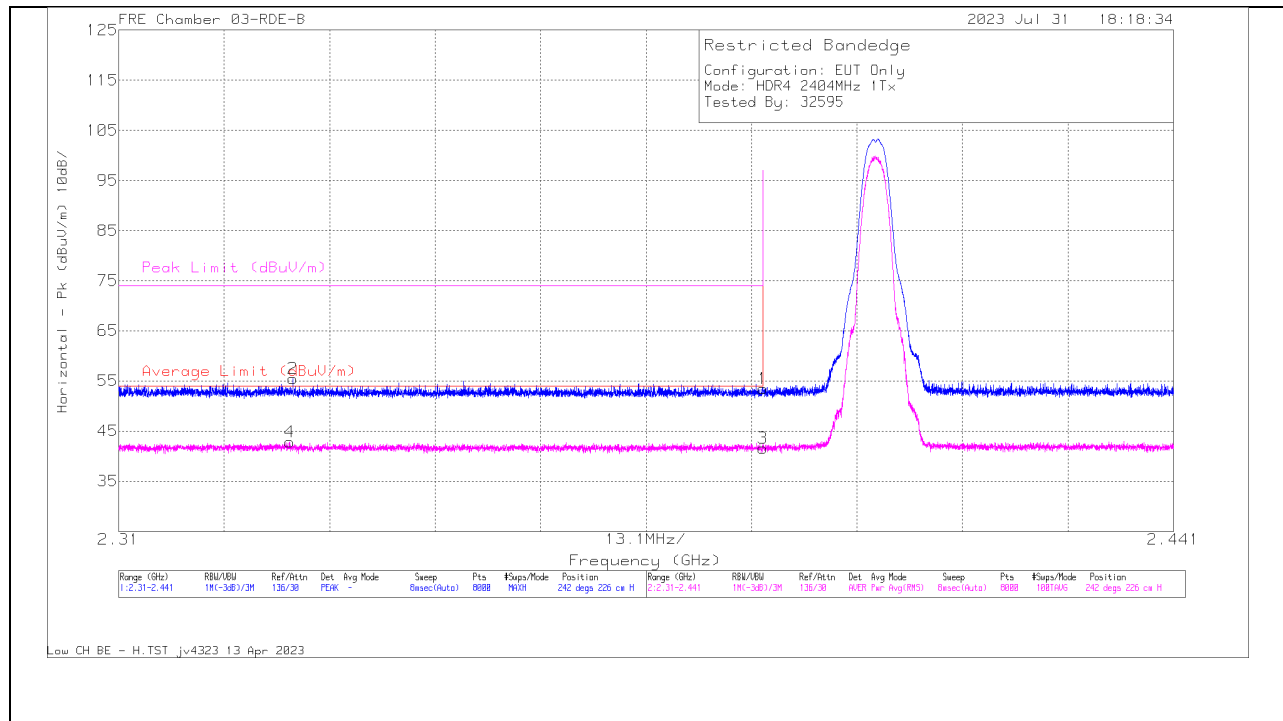
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

10.2.5. LOW POWER HDR (HDR4)

ANT 4

BANDEDGE (LOW CHANNEL)

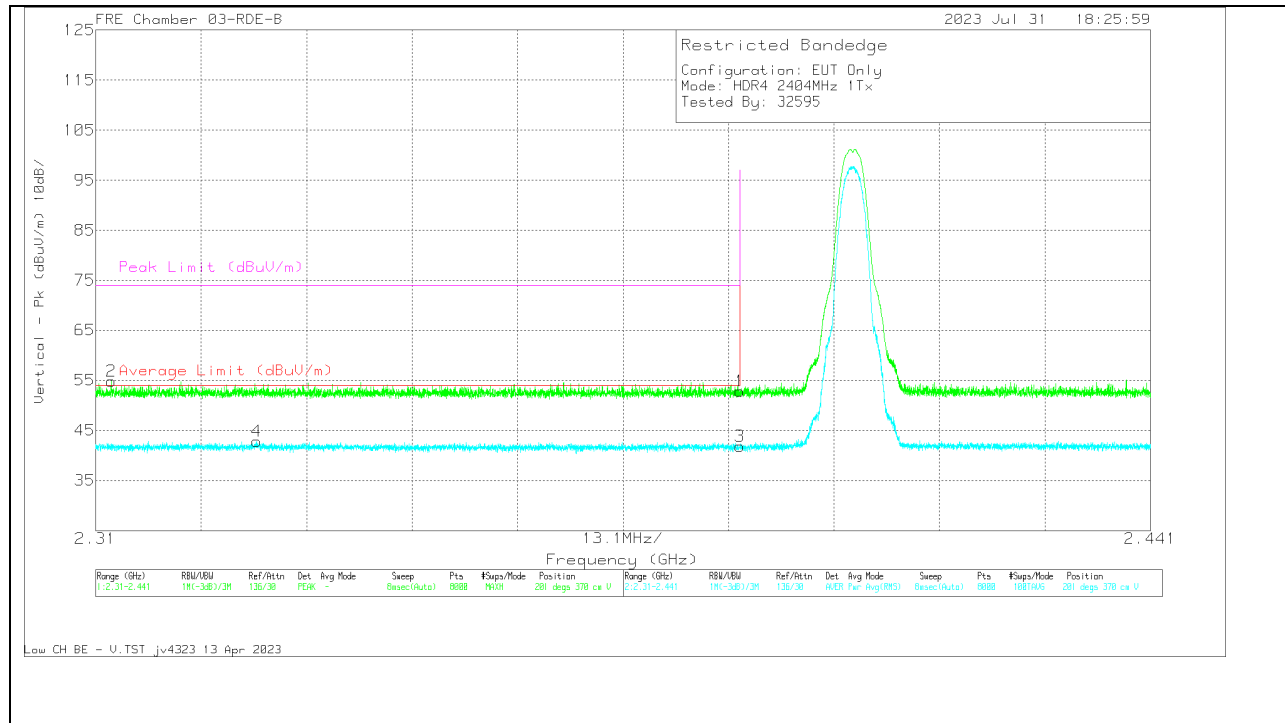
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACP (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.46	Pk	32.2	0	-41.2	53.46	-	-	74	-20.54	242	226	H
2	* 2.331634	64.6	Pk	32.1	0	-41.26	55.44	-	-	74	-18.56	242	226	H
3	* 2.39	50.57	RMS	32.2	0	-41.2	41.57	54	-12.43	-	-	242	226	H
4	* 2.331274	51.99	RMS	32.1	0	-41.23	42.86	54	-11.14	-	-	242	226	H

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

VERTICAL RESULT

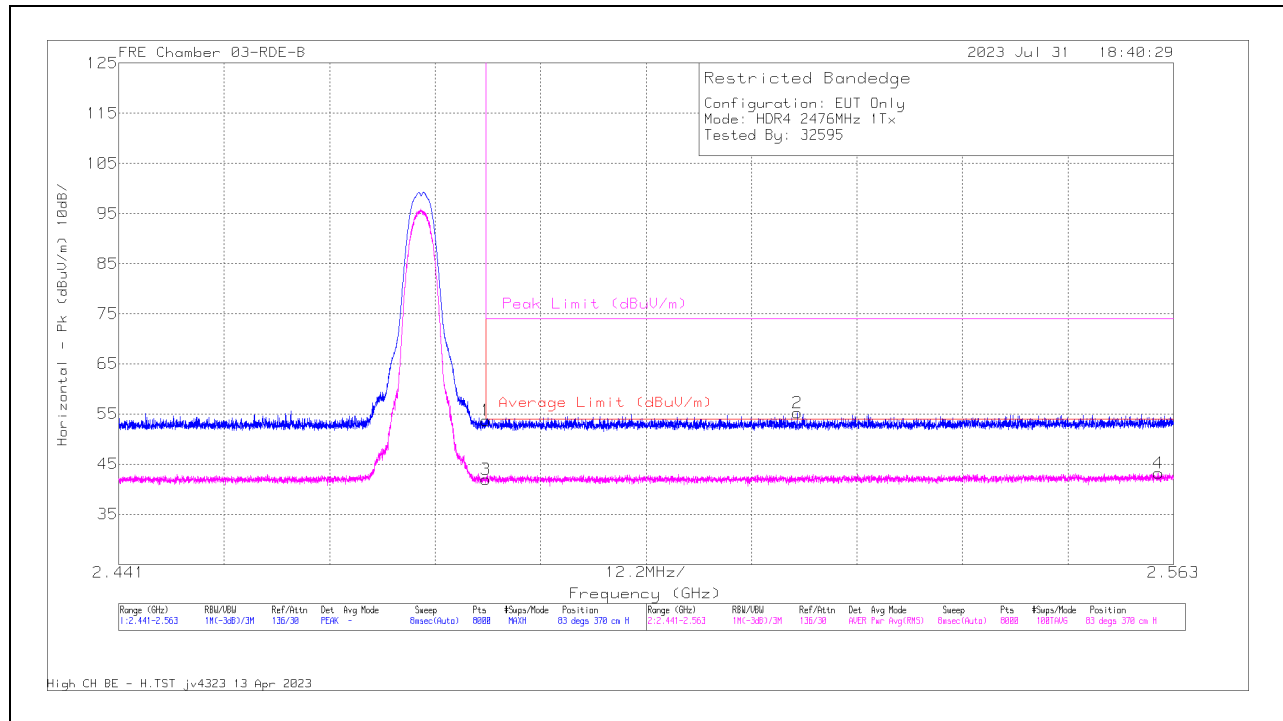


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.86	Pk	32.2	0	-41.2	52.86	-	-	74	-21.14	201	370	V
2	* 2.3119	64.01	Pk	32	0	-41.19	54.82	-	-	74	-19.18	201	370	V
3	* 2.39	50.79	RMS	32.2	0	-41.2	41.79	54	-12.21	-	-	201	370	V
4	* 2.330029	51.97	RMS	32.1	0	-41.2	42.87	54	-11.13	-	-	201	370	V

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

BANDEDGE (HIGH CHANNEL)

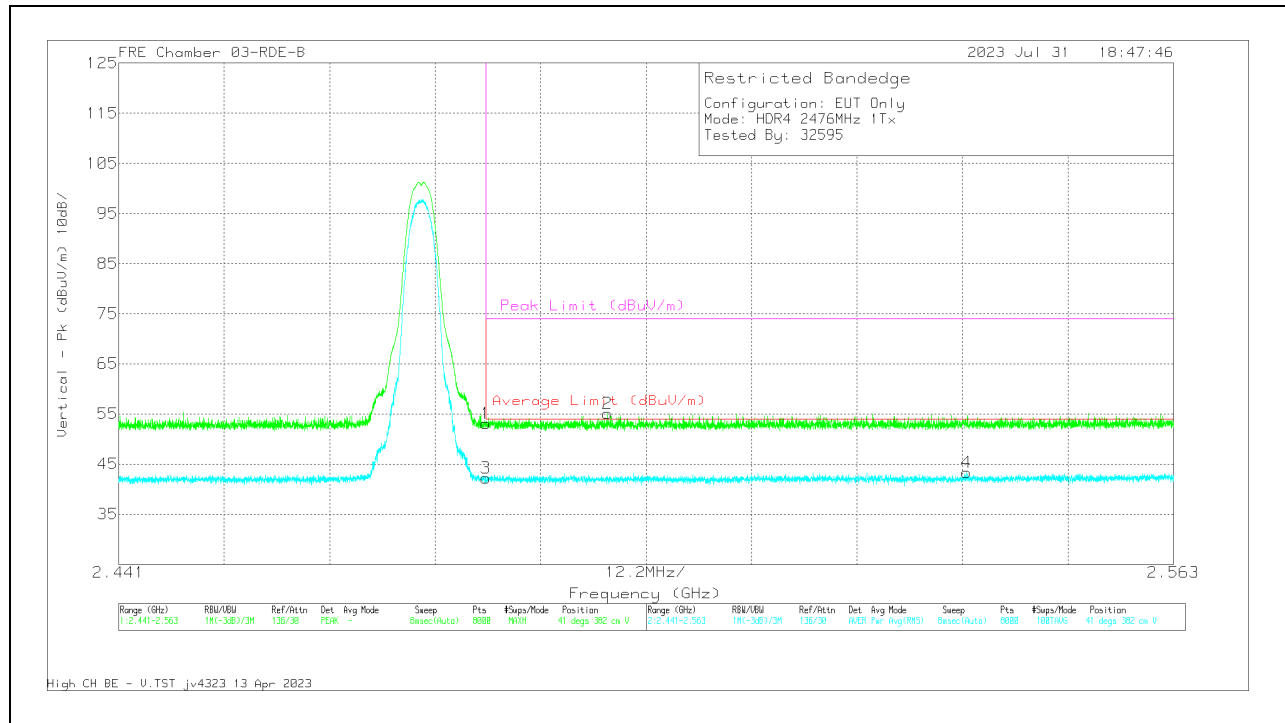
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62.63	Pk	32.2	0	-41.15	53.68	-	-	74	-20.32	83	370	H
3	* 2.4835	50.96	RMS	32.2	0	-41.15	42.01	54	-11.99	-	-	83	370	H
2	2.519502	63.96	Pk	32.3	0	-41.05	55.21	-	-	74	-18.79	83	370	H
4	2.561293	51.74	RMS	32.3	0	-40.87	43.17	54	-10.83	-	-	83	370	H

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

VERTICAL RESULT



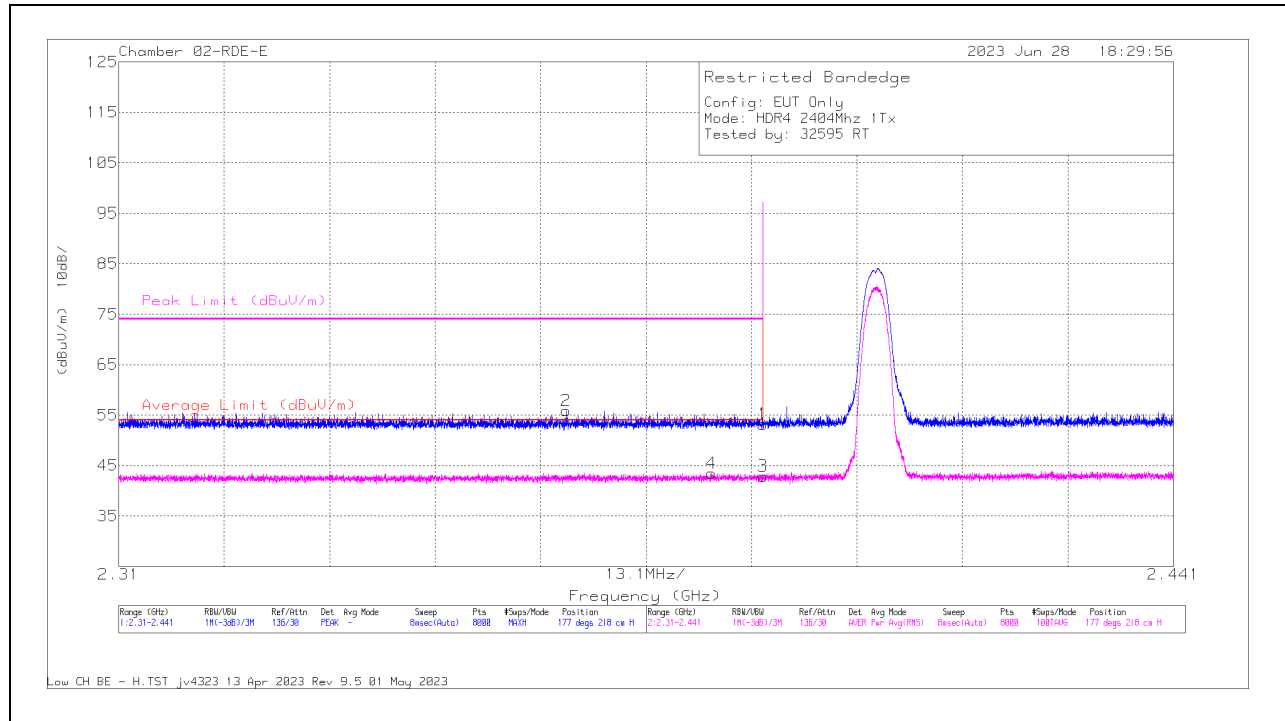
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62	Pk	32.2	0	-41.15	53.05	-	-	74	-20.95	41	382	V
2	* 2.49757	64.07	Pk	32.2	0	-41.14	55.13	-	-	74	-18.87	41	382	V
3	* 2.4835	51.14	RMS	32.2	0	-41.15	42.19	54	-11.81	-	-	41	382	V
4	2.539101	51.89	RMS	32.3	0	-40.9	43.29	54	-10.71	-	-	41	382	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

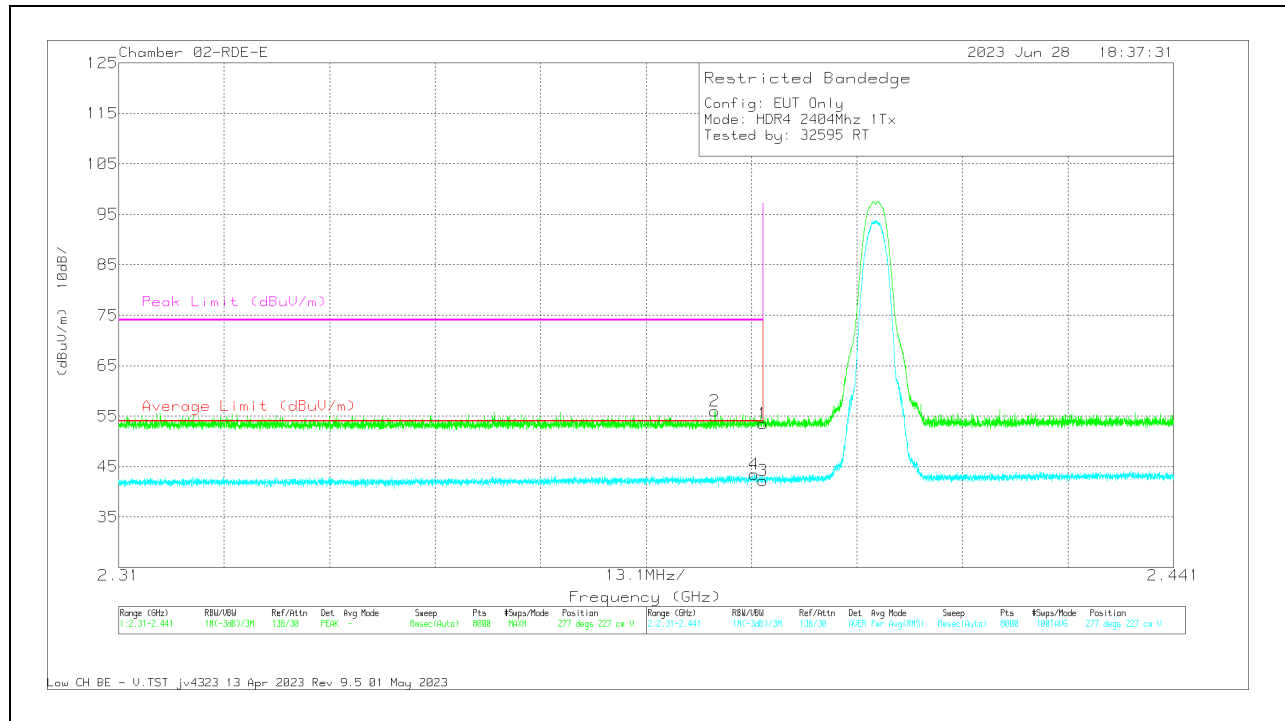
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.18	Pk	32.3	0	-39.27	53.21	-	-	74	-20.79	177	218	H
2	* 2.365584	62.95	Pk	32.2	0	-39.31	55.84	-	-	74	-18.16	177	218	H
3	* 2.39	49.87	RMS	32.3	0	-39.27	42.9	54	-11.1	-	-	177	218	H
4	* 2.383664	50.59	RMS	32.2	0	-39.28	43.51	54	-10.49	-	-	177	218	H

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

VERTICAL RESULT

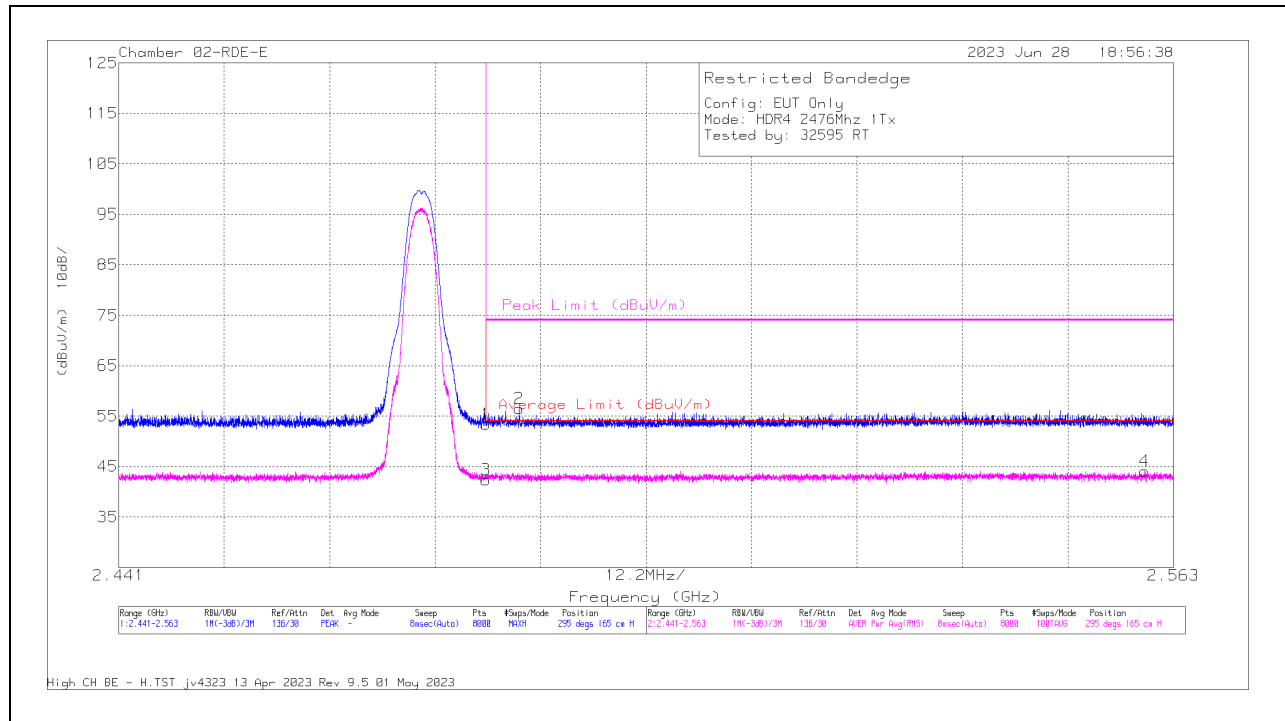


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.52	Pk	32.3	0	-39.27	53.55	-	-	74	-20.45	277	227	V
2	* 2.38404	63.03	Pk	32.2	0	-39.28	55.95	-	-	74	-18.05	277	227	V
3	* 2.39	49.19	RMS	32.3	0	-39.27	42.22	54	-11.78	-	-	277	227	V
4	* 2.388937	50.47	RMS	32.3	0	-39.28	43.49	54	-10.51	-	-	277	227	V

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

BANDEDGE (HIGH CHANNEL)

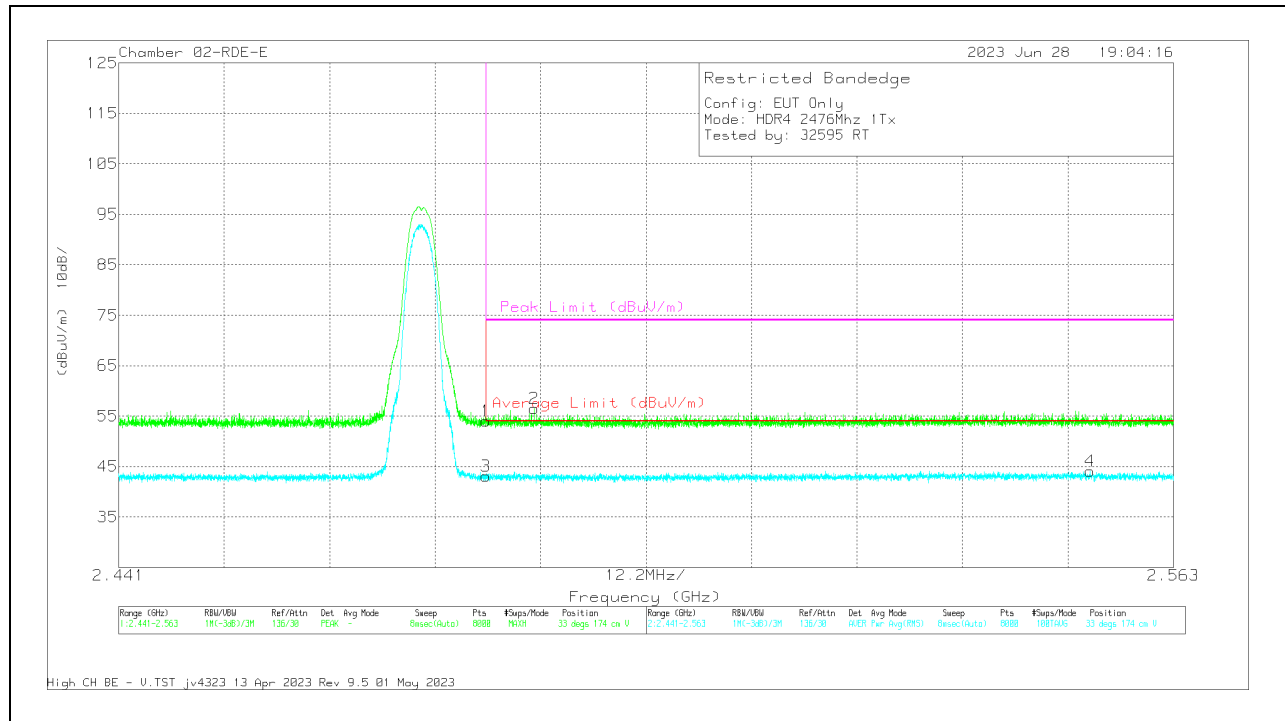
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.3	Pk	32.3	0	-39.16	53.44	-	-	74	-20.56	295	165	H
2	* 2.487336	63.27	Pk	32.3	0	-39.11	56.46	-	-	74	-17.54	295	165	H
3	* 2.4835	49.22	RMS	32.3	0	-39.16	42.36	54	-11.64	-	-	295	165	H
4	2.55963	50.73	RMS	32.4	0	-39.04	44.09	54	-9.91	-	-	295	165	H

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

VERTICAL RESULT



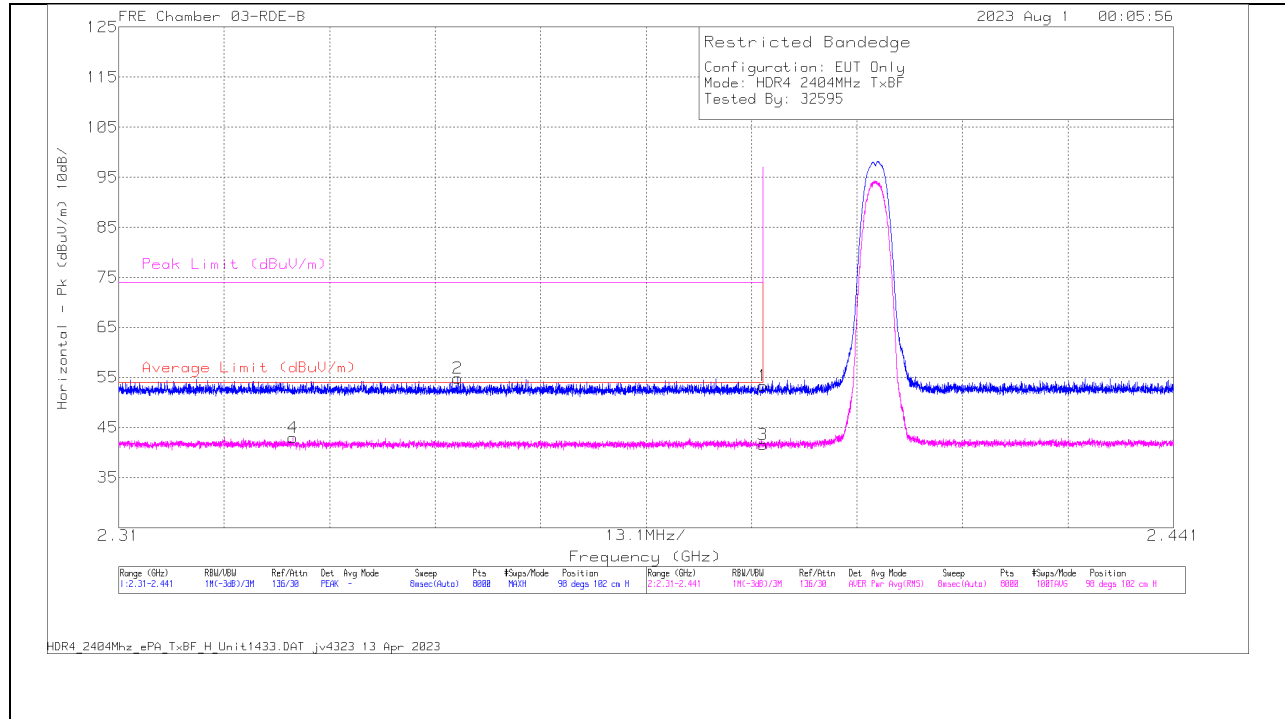
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.83	Pk	32.3	0	-39.16	53.97	-	-	74	-20.03	33	174	V
2	* 2.489074	63.29	Pk	32.3	0	-39.13	56.46	-	-	74	-17.54	33	174	V
3	* 2.4835	49.9	RMS	32.3	0	-39.16	43.04	54	-10.96	-	-	33	174	V
4	2.553361	50.63	RMS	32.5	0	-39.03	44.1	54	-9.9	-	-	33	174	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)

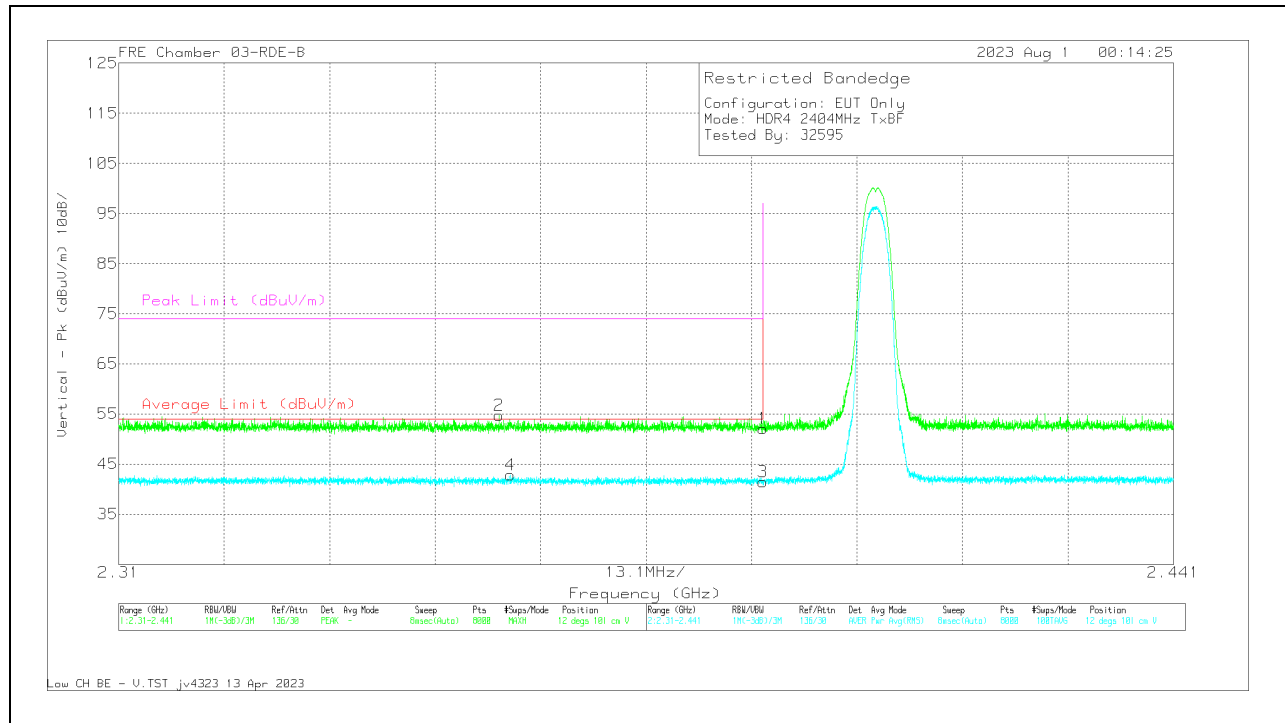
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	62.3	Pk	32.2	0	-41.2	53.3	-	-	74	-20.7	98	102	H
2	* 2.352122	63.92	Pk	32.1	0	-41.2	54.82	-	-	74	-19.18	98	102	H
3	* 2.39	50.61	RMS	32.2	0	-41.2	41.61	54	-12.39	-	-	98	102	H
4	* 2.331618	52.11	RMS	32.1	0	-41.26	42.95	54	-11.05	-	-	98	102	H

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

VERTICAL RESULT

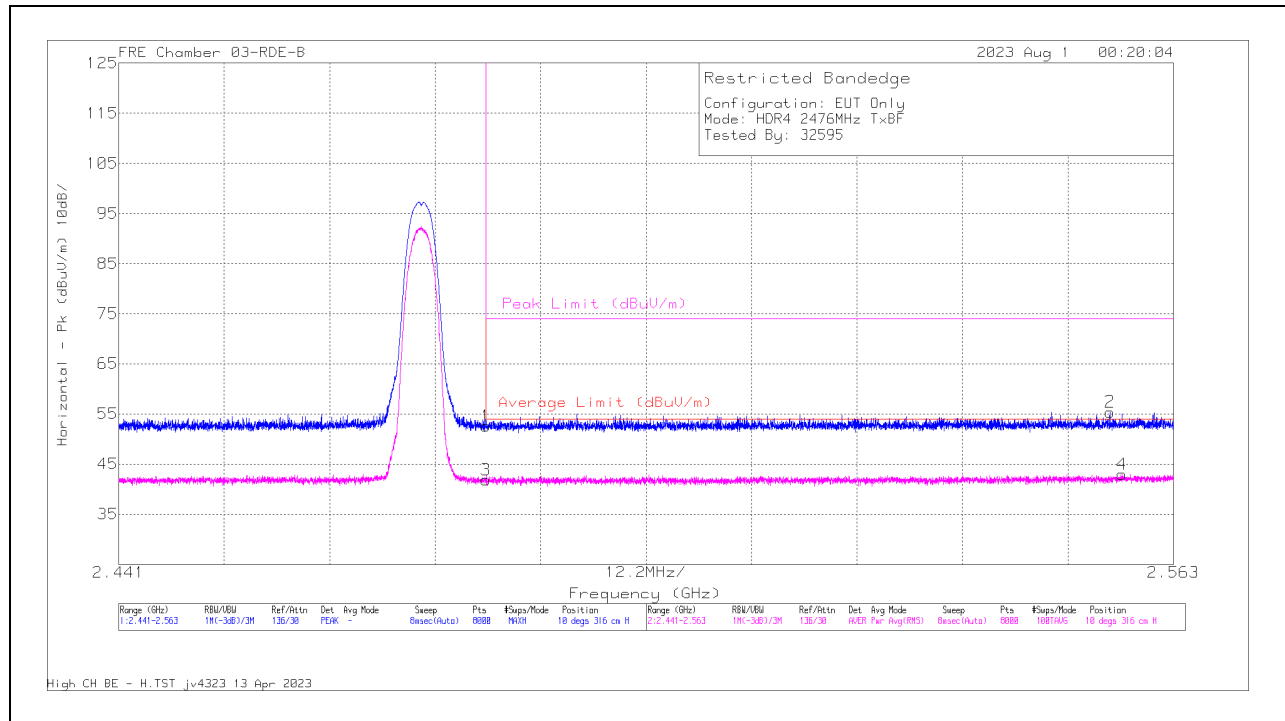


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.13	Pk	32.2	0	-41.2	52.13	-	-	74	-21.87	12	101	V
2	* 2.357215	63.96	Pk	32.1	0	-41.28	54.78	-	-	74	-19.22	12	101	V
3	* 2.39	50.49	RMS	32.2	0	-41.2	41.49	54	-12.51	-	-	12	101	V
4	* 2.358656	51.89	RMS	32.1	0	-41.13	42.86	54	-11.14	-	-	12	101	V

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

BANDEDGE (HIGH CHANNEL)

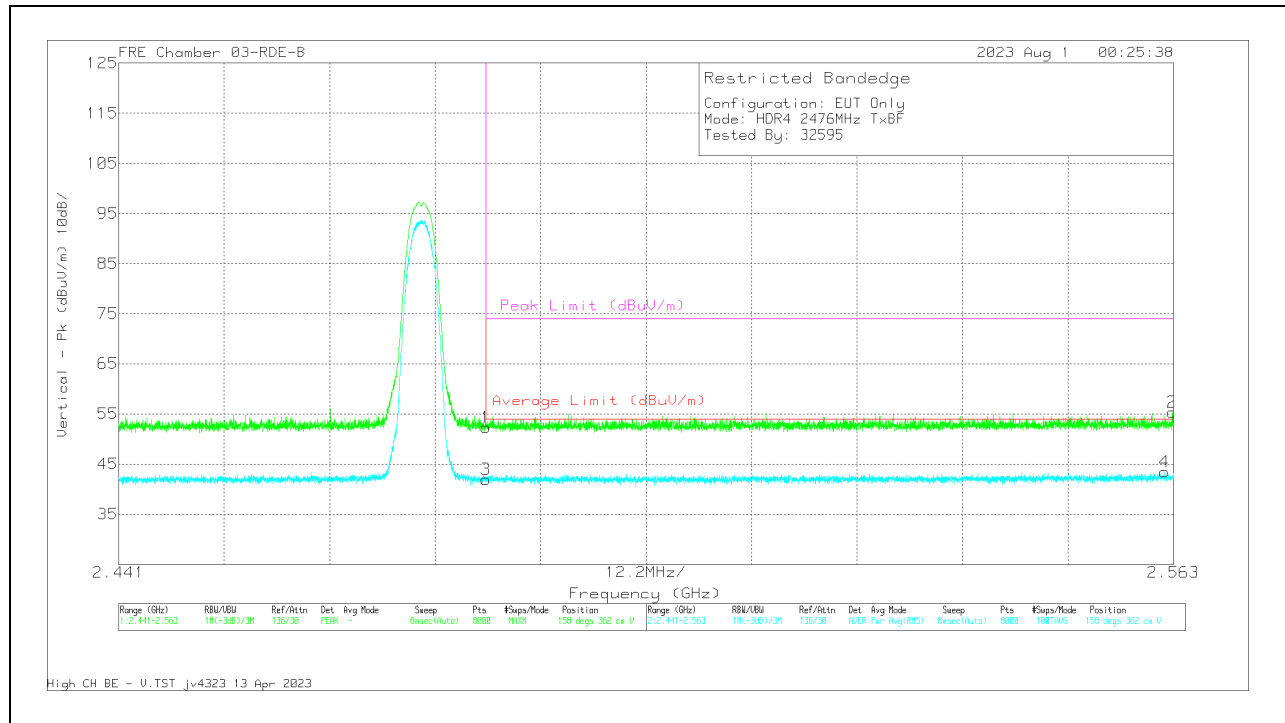
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.56	PK	32.2	0	-41.15	52.61	-	-	74	-21.39	10	316	H
3	* 2.4835	50.74	RMS	32.2	0	-41.15	41.79	54	-12.21	-	-	10	316	H
2	2.55649	64.05	PK	32.3	0	-40.94	55.41	-	-	74	-18.59	10	316	H
4	2.557022	51.51	RMS	32.3	0	-40.9	42.91	54	-11.09	-	-	10	316	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 (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.3	PK	32.2	0	-41.15	52.35	-	-	74	-21.65	158	362	V
3	* 2.4835	50.86	RMS	32.2	0	-41.15	41.91	54	-12.09	-	-	158	362	V
4	2.562009	51.97	RMS	32.3	0	-40.8	43.47	54	-10.53	-	-	158	362	V
2	2.562879	63.88	PK	32.3	0	-40.8	55.38	-	-	74	-18.62	158	362	V

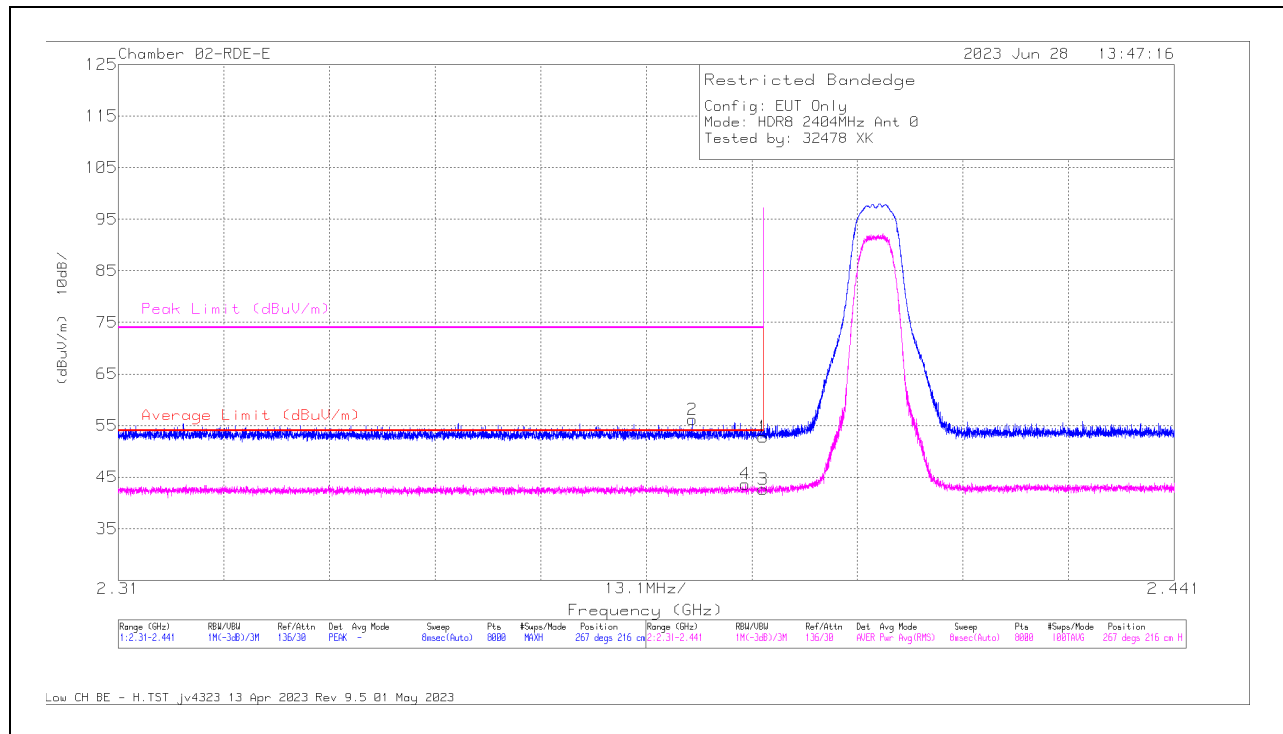
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 RMS - RMS detection

10.2.7. LOW POWER HDR (HDR8)

ANT 4

BANDEDGE (LOW CHANNEL)

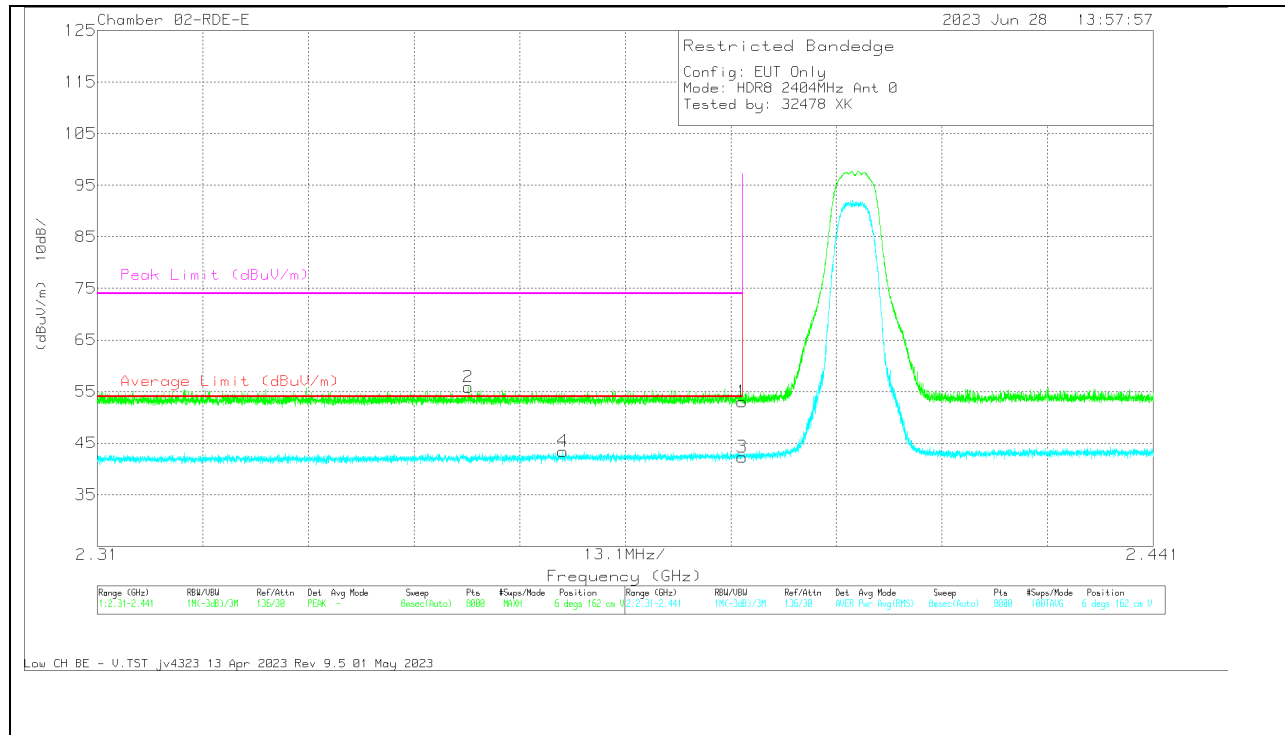
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.74	Pk	32.3	-39.27	52.77	-	-	74	-21.23	267	216	H
2	* 2.381224	63.24	Pk	32.2	-39.28	56.16	-	-	74	-17.84	267	216	H
3	* 2.39	49.6	RMS	32.3	-39.27	42.63	54	-11.37	-	-	267	216	H
4	* 2.387807	50.64	RMS	32.3	-39.28	43.66	54	-10.34	-	-	267	216	H

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

VERTICAL RESULT

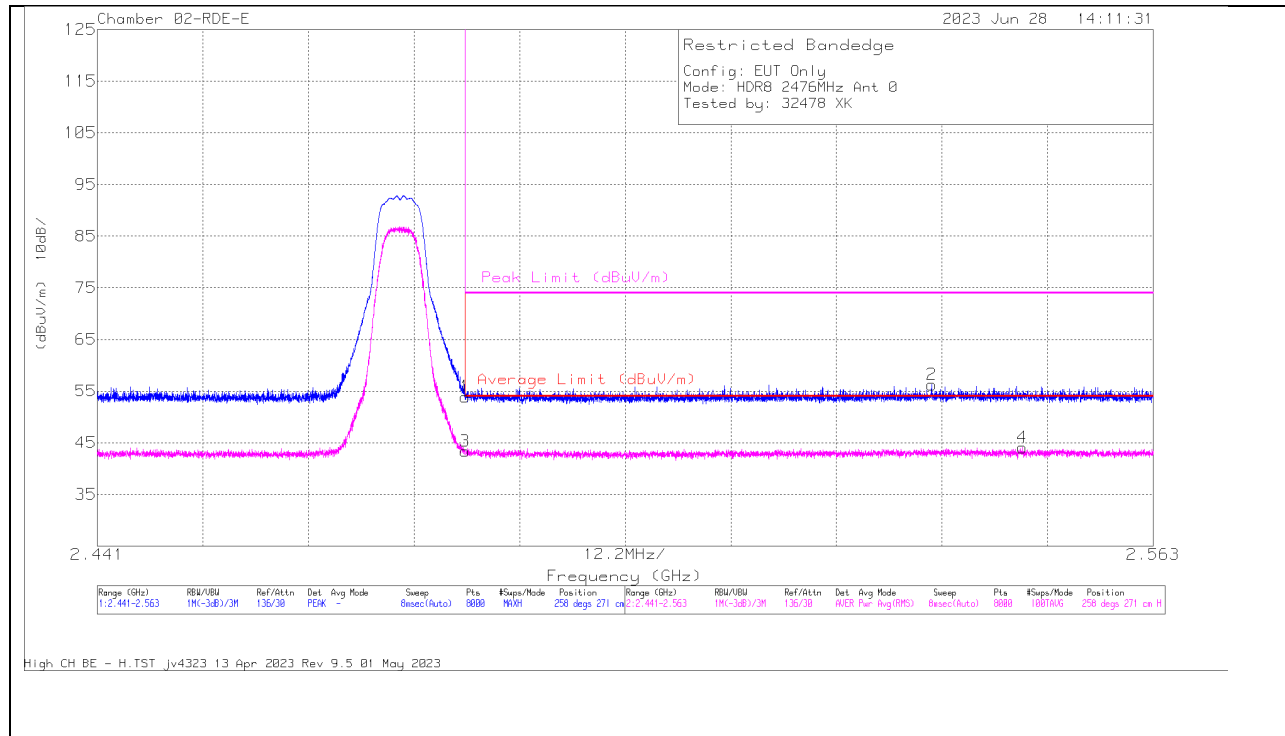


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.02	Pk	32.3	-39.27	53.05	-	-	74	-20.95	6	162	V
2	* 2.356003	63.08	Pk	32.1	-39.3	55.88	-	-	74	-18.12	6	162	V
3	* 2.39	49.28	RMS	32.3	-39.27	42.31	54	-11.69	-	-	6	162	V
4	* 2.367762	50.53	RMS	32.2	-39.31	43.42	54	-10.58	-	-	6	162	V

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

BANDEDGE (HIGH CHANNEL)

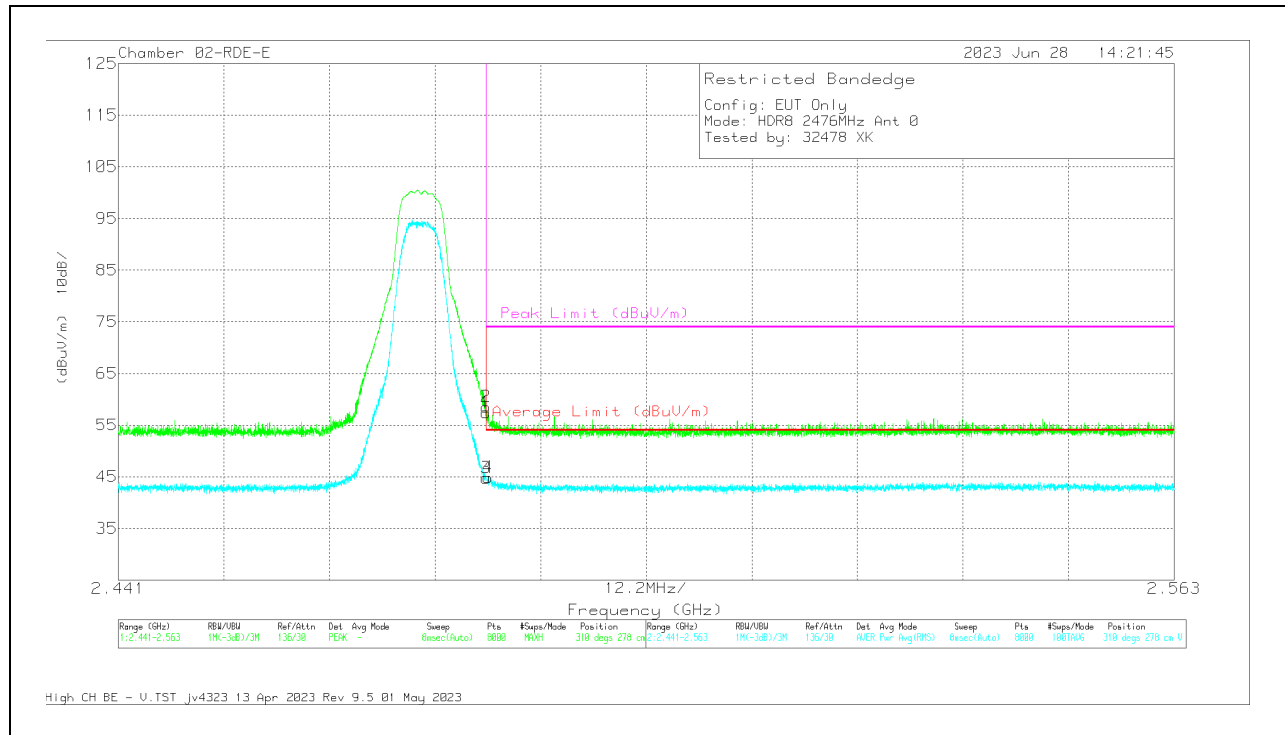
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.77	Pk	32.3	-39.16	53.91	-	-	74	-20.09	258	271	H
3	* 2.4835	50.21	RMS	32.3	-39.16	43.35	54	-10.65	-	-	258	271	H
2	2.537408	62.8	Pk	32.5	-39.06	56.24	-	-	74	-17.76	258	271	H
4	2.547856	50.6	RMS	32.5	-39.03	44.07	54	-9.93	-	-	258	271	H

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

VERTICAL RESULT



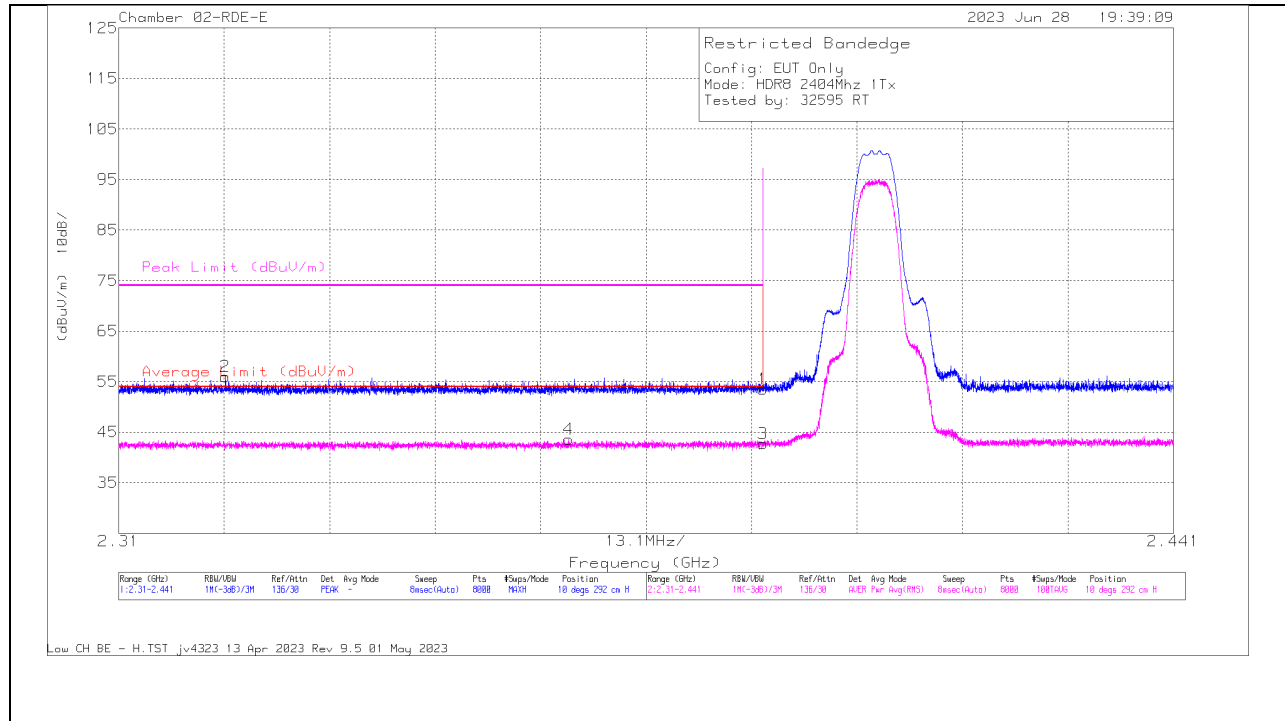
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	64.32	Pk	32.3	-39.16	57.46	-	-	74	-16.54	310	278	V
2	* 2.483523	65.38	Pk	32.3	-39.15	58.53	-	-	74	-15.47	310	278	V
3	* 2.4835	51.65	RMS	32.3	-39.16	44.79	54	-9.21	-	-	310	278	V
4	* 2.48369	51.7	RMS	32.3	-39.15	44.85	54	-9.15	-	-	310	278	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

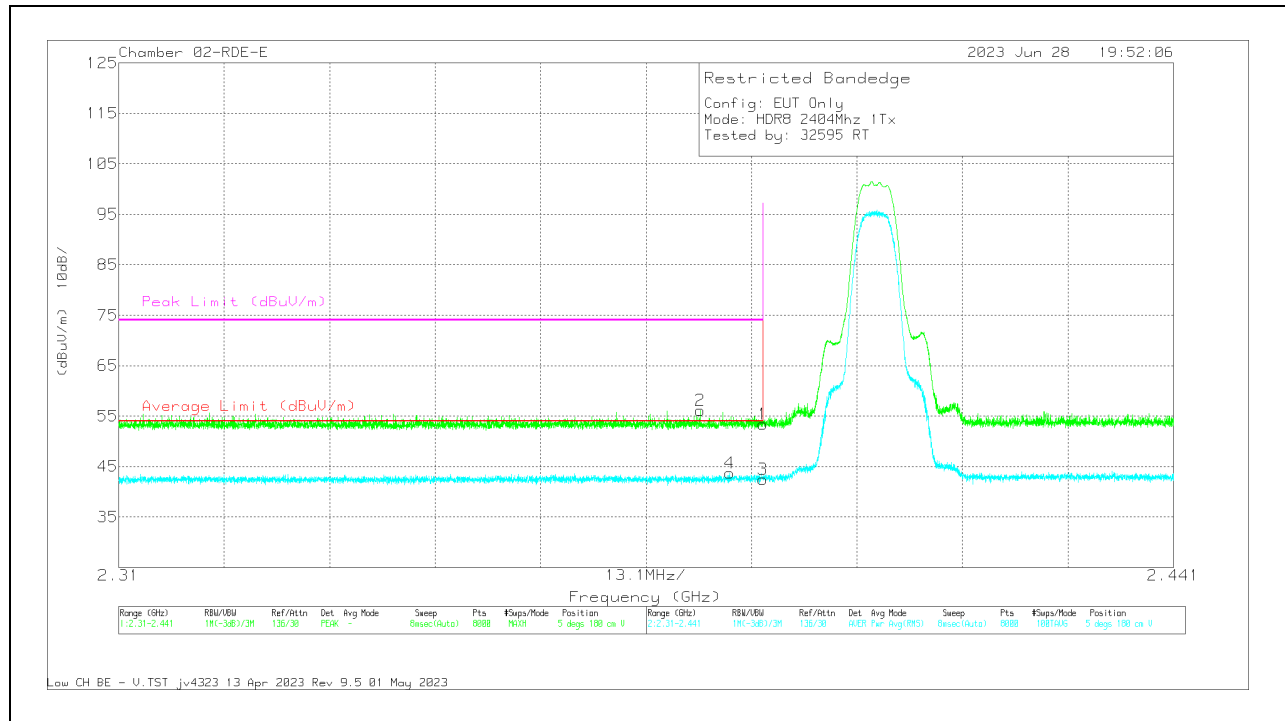
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.54	Pk	32.3	0	-39.27	53.57	-	-	74	-20.43	10	292	H
2	* 2.323249	63.17	Pk	32.1	0	-39.31	55.96	-	-	74	-18.04	10	292	H
3	* 2.39	49.71	RMS	32.3	0	-39.27	42.74	54	-11.26	-	-	10	292	H
4	* 2.365862	50.73	RMS	32.2	0	-39.31	43.62	54	-10.38	-	-	10	292	H

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

VERTICAL RESULT

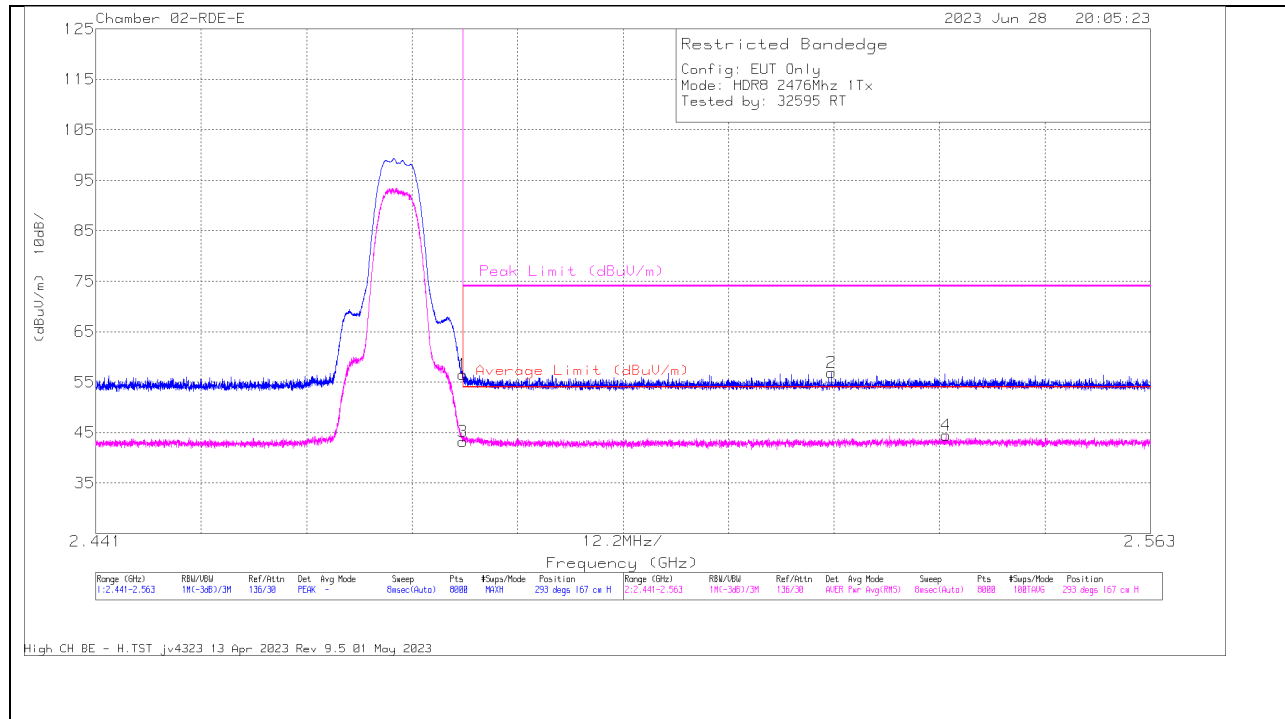


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	60.37	Pk	32.3	0	-39.27	53.4	-	-	74	-20.6	5	180	V
2	*2.38219	63.19	Pk	32.2	0	-39.28	56.11	-	-	74	-17.89	5	180	V
3	*2.39	49.41	RMS	32.3	0	-39.27	42.44	54	-11.56	-	-	5	180	V
4	*2.385875	50.65	RMS	32.3	0	-39.29	43.66	54	-10.34	-	-	5	180	V

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

BANDEDGE (HIGH CHANNEL)

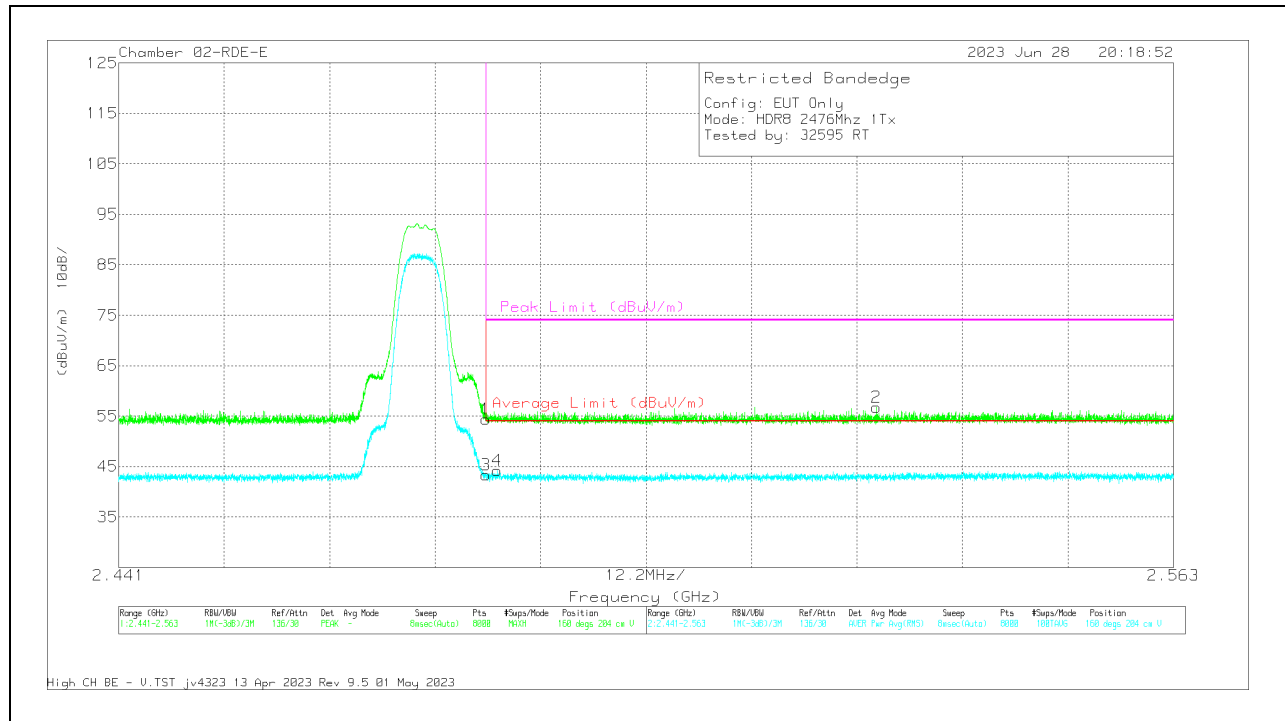
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBu)	Det	20dB/ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.3	PK	32.3	0	-39.16	56.44	-	-	74	-17.56	293	167	H
3	* 2.4835	50.06	RMS	32.3	0	-39.16	43.2	54	-10.8	-	-	293	167	H
2	2.526091	63.54	PK	32.4	0	-39.09	56.85	-	-	74	-17.15	293	167	H
4	2.53933	50.97	RMS	32.5	0	-39.04	44.43	54	-9.57	-	-	293	167	H

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

VERTICAL RESULT



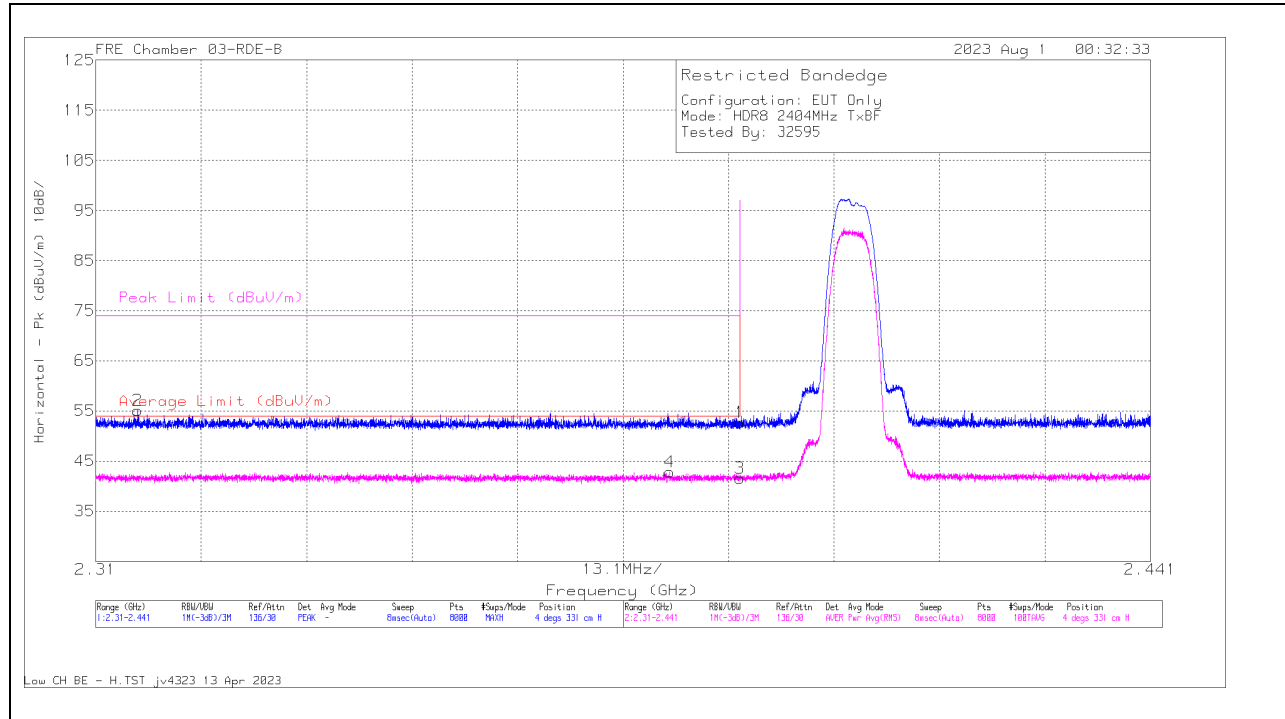
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.19	Pk	32.3	0	-39.16	54.33	-	-	74	-19.67	160	204	V
3	*2.4835	50.19	RMS	32.3	0	-39.16	43.33	54	-10.67	-	-	160	204	V
4	*2.48404	51	RMS	32.3	0	-39.13	44.17	54	-9.83	-	-	160	204	V
2	2.528623	63.44	Pk	32.4	0	-39.08	56.76	-	-	74	-17.24	160	204	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



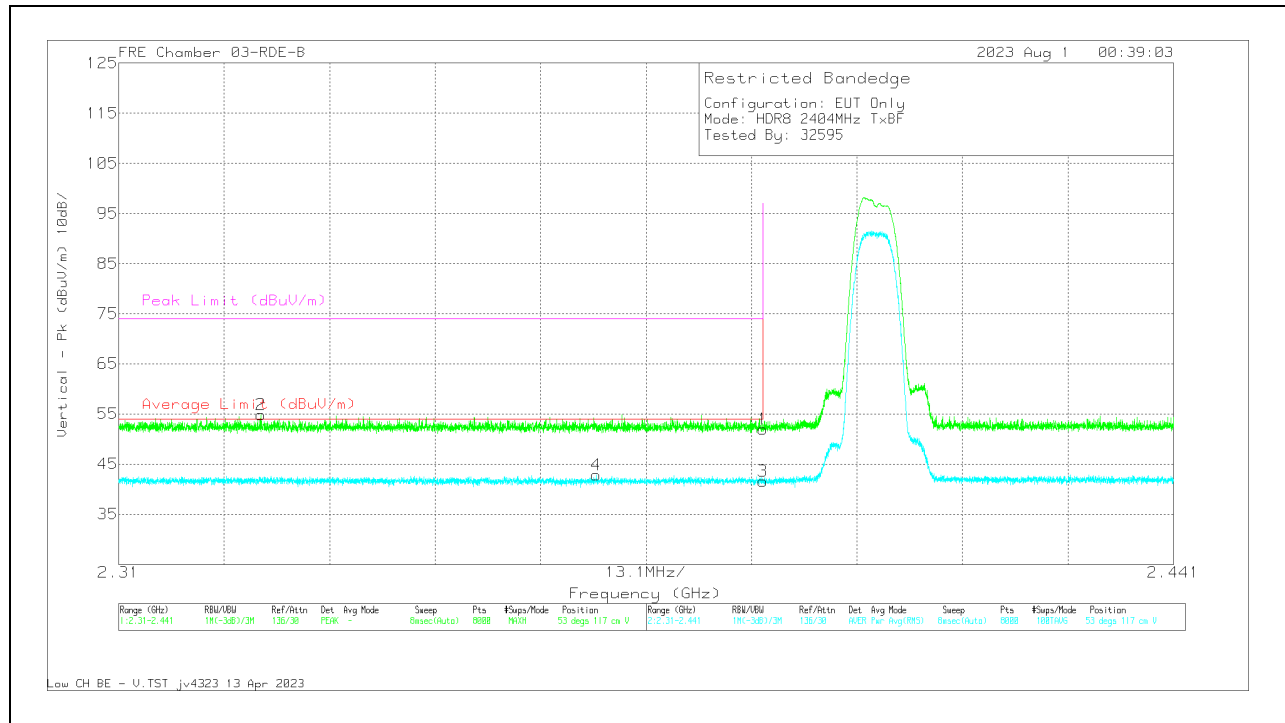
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.71	Pk	32.2	0	-41.2	52.71	-	-	74	-21.29	4	331	H
2	* 2.315208	64.24	Pk	32.1	0	-41.2	55.14	-	-	74	-18.86	4	331	H
3	* 2.39	50.59	RMS	32.2	0	-41.2	41.59	54	-12.41	-	-	4	331	H
4	* 2.381305	51.88	RMS	32.1	0	-41.16	42.82	54	-11.18	-	-	4	331	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

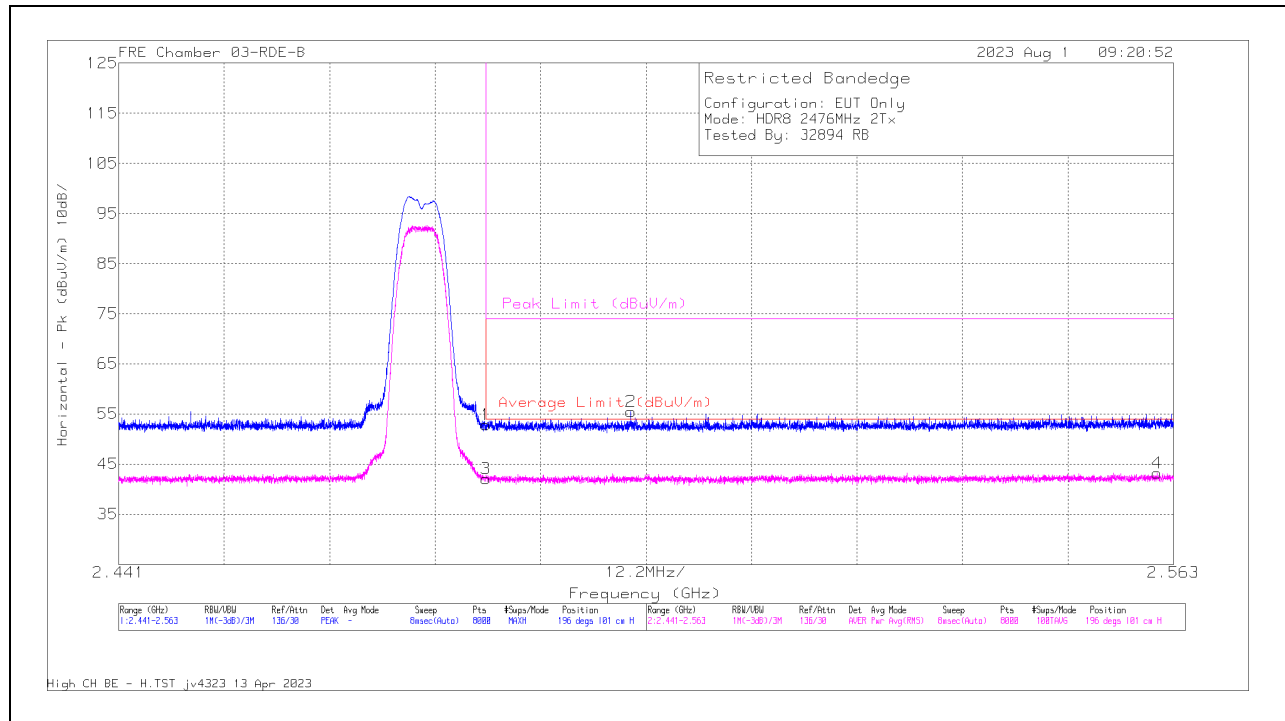


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.98	Pk	32.2	0	-41.2	51.98	-	-	74	-22.02	53	117	V
2	* 2.327687	63.91	Pk	32.1	0	-41.2	54.81	-	-	74	-19.19	53	117	V
3	* 2.39	50.54	RMS	32.2	0	-41.2	41.54	54	-12.46	-	-	53	117	V
4	* 2.369285	51.96	RMS	32.1	0	-41.2	42.86	54	-11.14	-	-	53	117	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



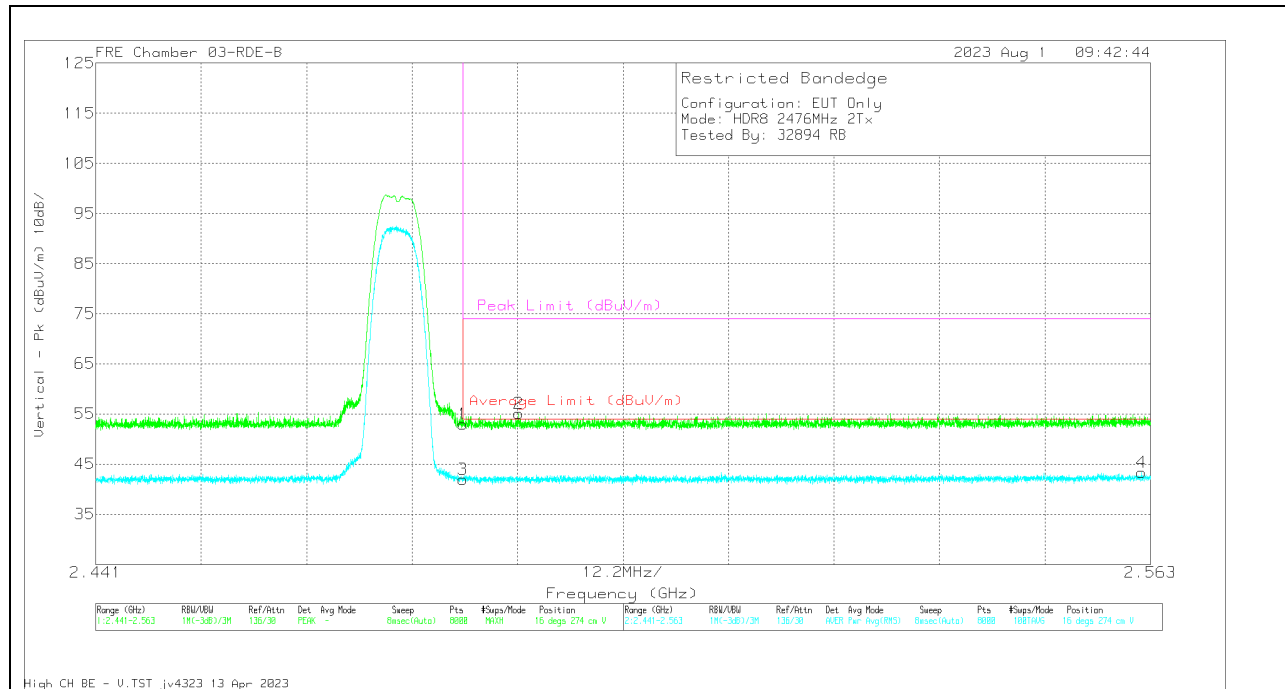
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.85	Pk	32.2	-41.15	52.9	-	-	74	-21.1	196	101	H
3	* 2.4835	51.01	RMS	32.2	-41.15	42.06	54	-11.94	-	-	196	101	H
2	2.500254	64.36	Pk	32.2	-41.05	55.51	-	-	74	-18.49	196	101	H
4	2.561125	51.79	RMS	32.3	-40.89	43.2	54	-10.8	-	-	196	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



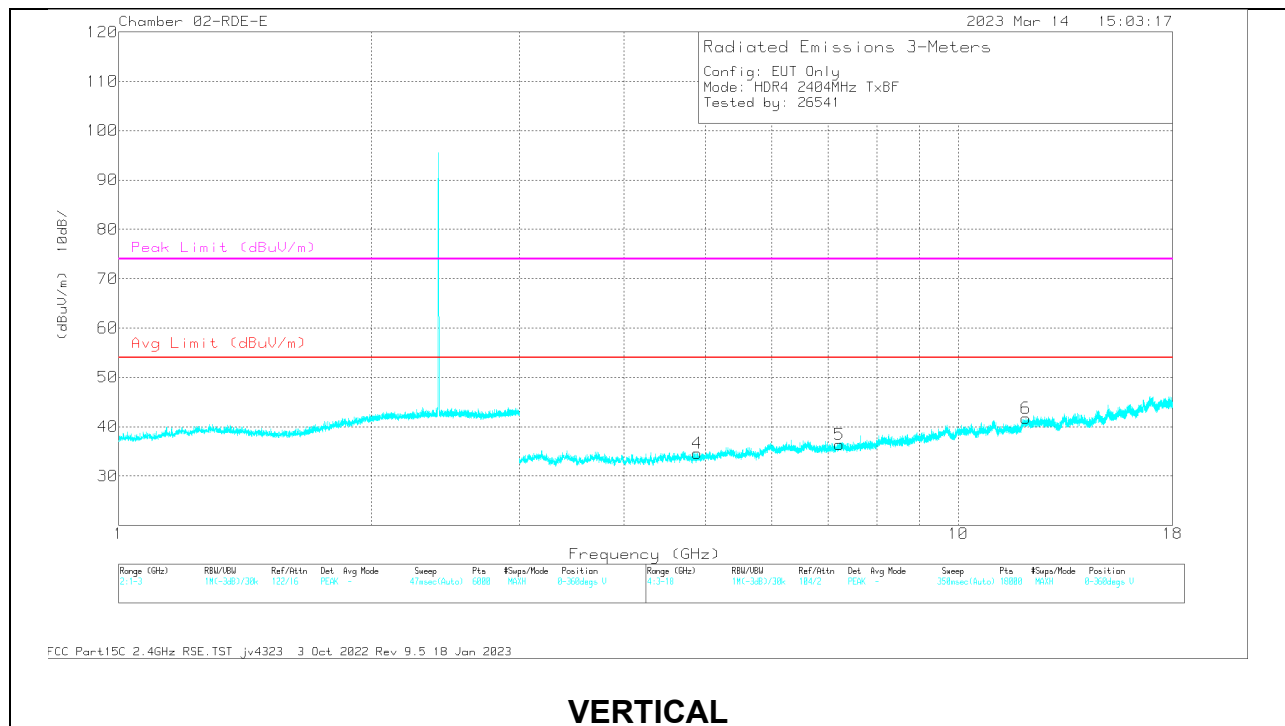
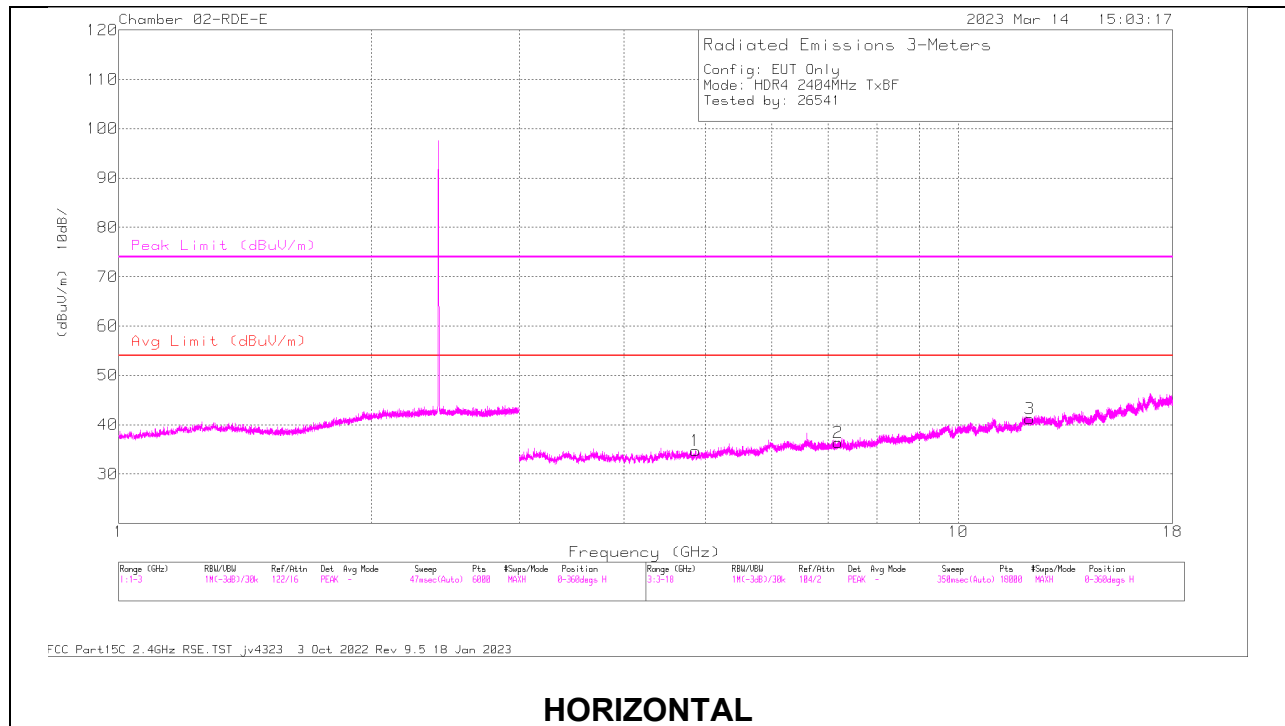
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.96	Pk	32.2	-41.15	53.01	-	-	74	-20.99	16	274	V
2	* 2.48928	63.99	Pk	32.2	-41.1	55.09	-	-	74	-18.91	16	274	V
3	* 2.4835	50.86	RMS	32.2	-41.15	41.91	54	-12.09	-	-	16	274	V
4	2.562009	51.81	RMS	32.3	-40.8	43.31	54	-10.69	-	-	16	274	V

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

10.2.9. HARMONICS AND SPURIOUS EMISSIONS

HDR4

LOW CHANNEL RESULTS

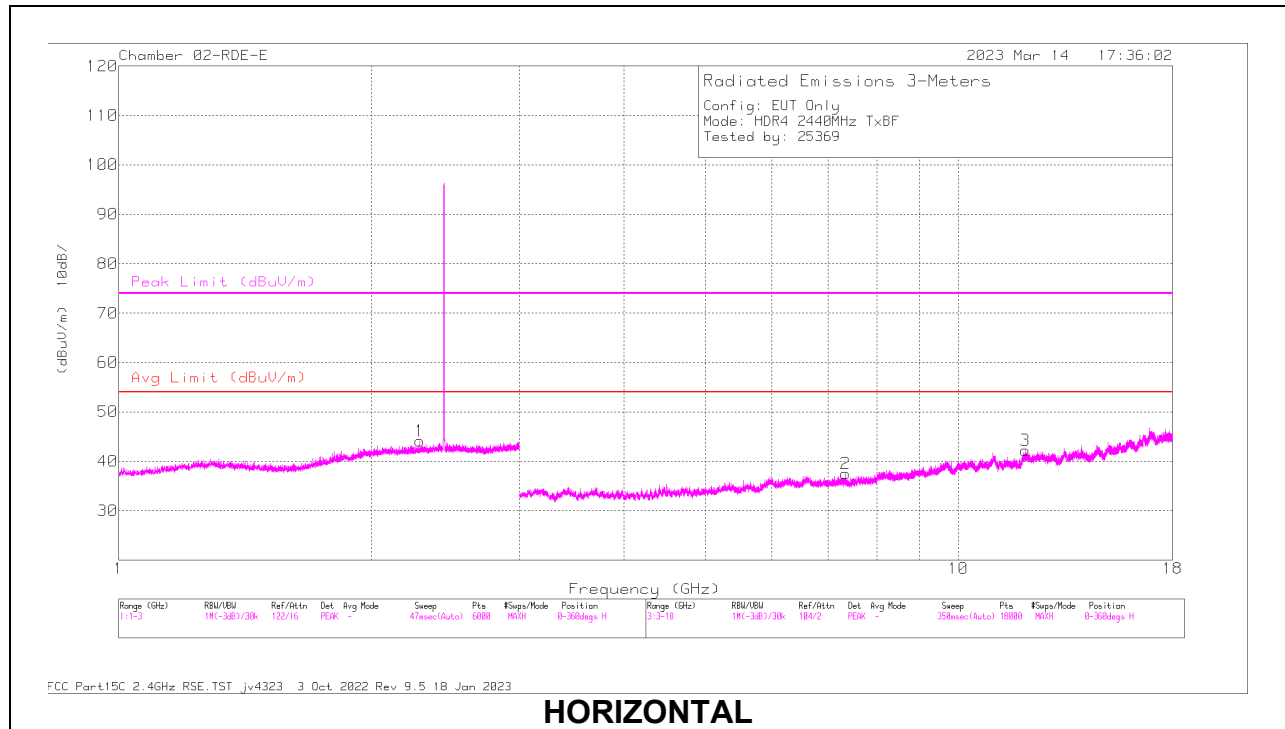


RADIATED EMISSIONS

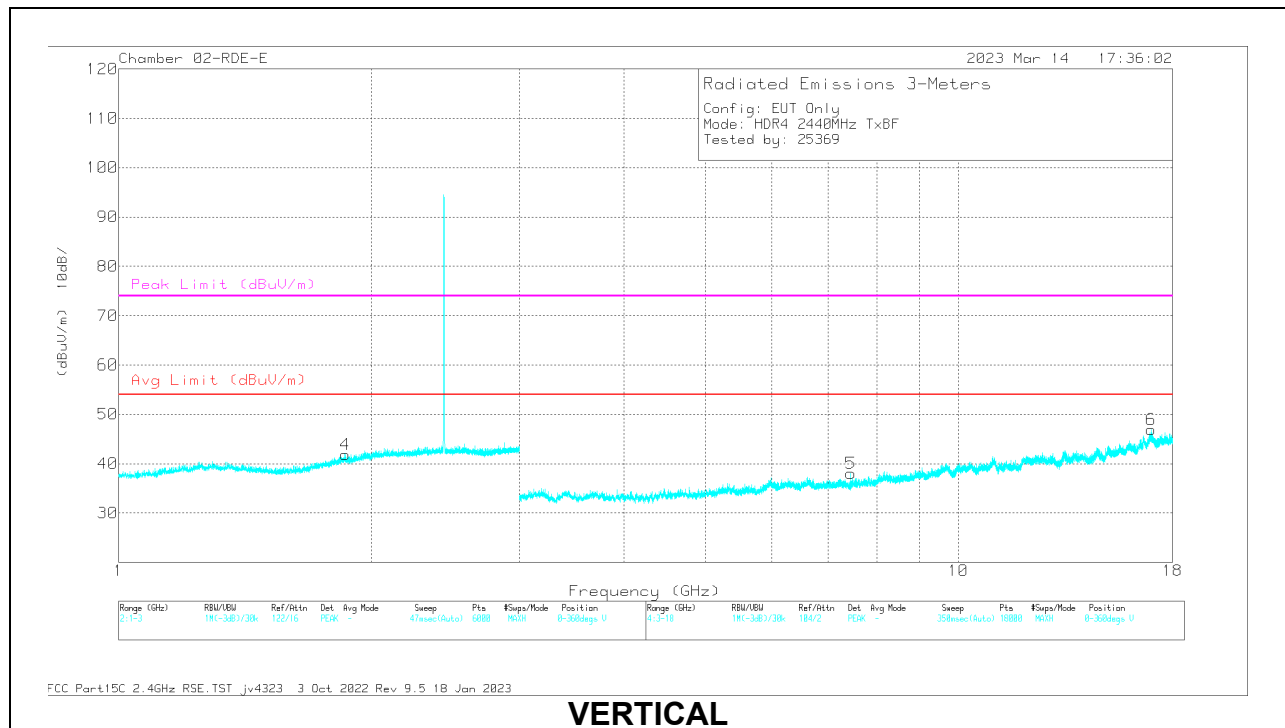
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.868056	57.31	PK2	33.9	-46.89	44.32			74	-29.68	360	199	H
	* 4.865085	45.52	MAv1	33.9	-46.93	32.49	54	-21.51	-	-	360	199	H
3	* 12.157143	55.45	PK2	39	-42.86	51.59			74	-22.41	360	199	H
	* 12.15549	43.66	MAv1	39	-42.87	39.79	54	-14.21	-	-	360	199	H
4	* 4.891727	57.64	PK2	33.9	-47.02	44.52			74	-29.48	360	199	V
	* 4.891731	45.72	MAv1	33.9	-47.02	32.6	54	-21.4	-	-	360	199	V
6	* 12.052956	54.73	PK2	38.9	-42.24	51.39			74	-22.61	360	101	V
	* 12.050105	43.36	MAv1	38.9	-42.14	40.12	54	-13.88	-	-	360	101	V
2	7.187869	55.84	PK2	35.6	-44.79	46.65			74	-27.35	360	199	H
	7.187656	44.05	MAv1	35.6	-44.78	34.87	54	-19.13	-	-	360	199	H
5	7.21299	55.47	PK2	35.6	-44.5	46.57			74	-27.43	360	101	V
	7.2163	43.78	MAv1	35.6	-44.52	34.86	54	-19.14	-	-	360	101	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



HORIZONTAL



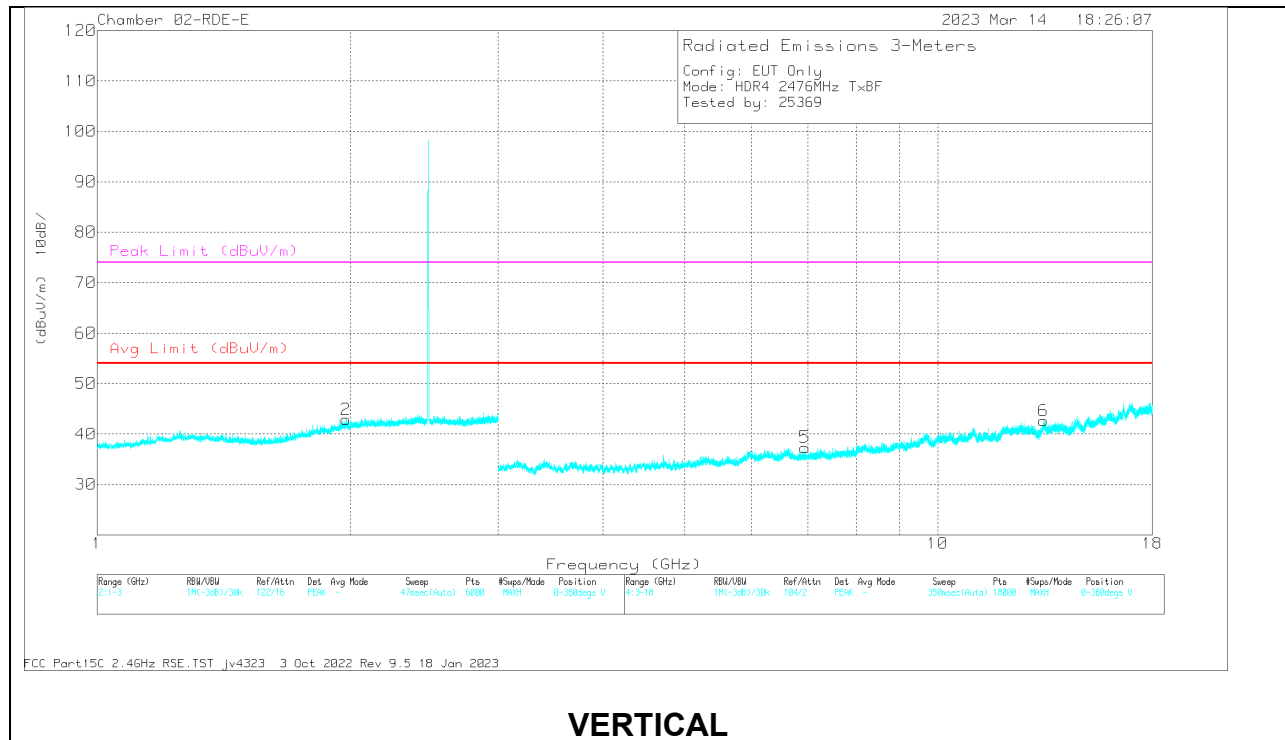
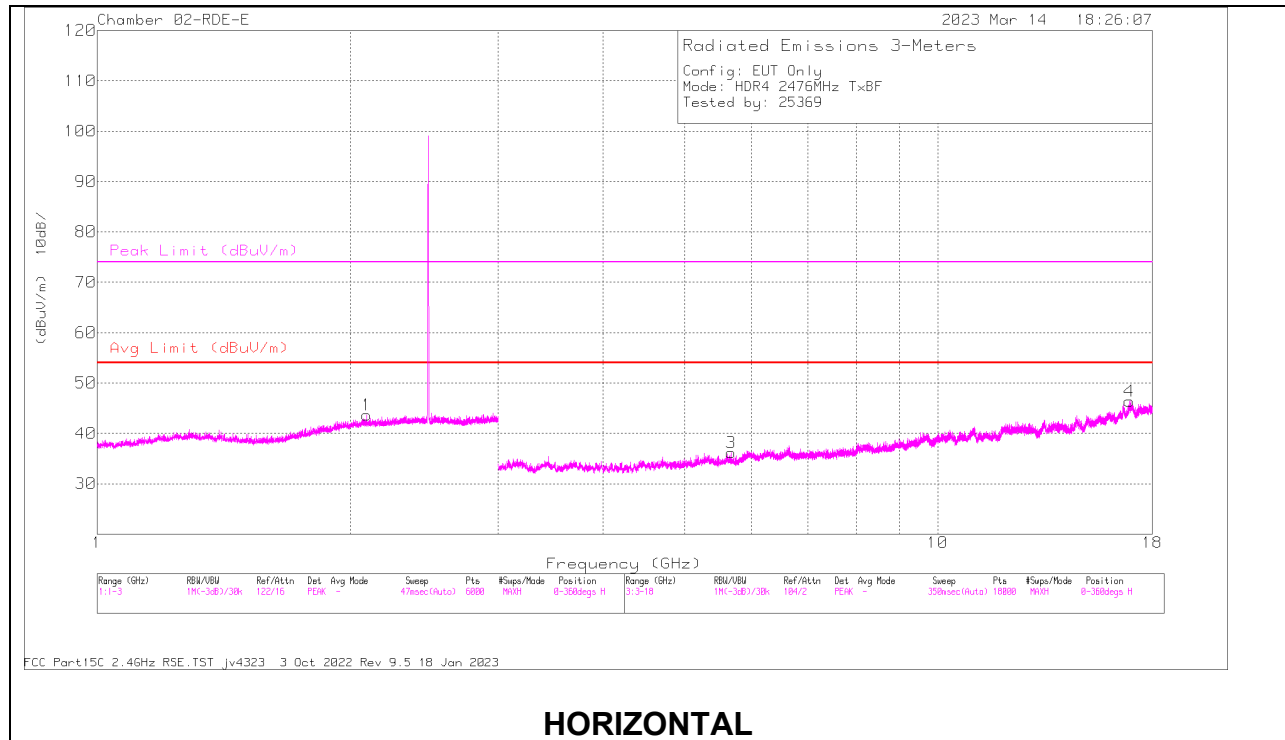
VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.285719	60.36	PK2	32	-39.34	53.02			74	-20.98	0	199	H
	* 2.286392	48.47	MAv1	32	-39.34	41.13	54	-12.87	-	-	0	199	H
2	* 7.336897	55.74	PK2	35.6	-45.27	46.07			74	-27.93	0	101	H
	* 7.33757	44.69	MAv1	35.6	-45.27	35.02	54	-18.98	-	-	0	101	H
3	* 12.026687	54.62	PK2	38.8	-42.25	51.17			74	-22.83	0	199	H
	* 12.028267	43.16	MAv1	38.8	-42.23	39.73	54	-14.27	-	-	0	199	H
5	* 7.451791	56.47	PK2	35.6	-45.36	46.71			74	-27.29	0	101	V
	* 7.449514	44.42	MAv1	35.6	-45.43	34.59	54	-19.41	-	-	0	101	V
4	1.861938	59.99	PK2	30.4	-39.38	51.01			74	-22.99	0	199	V
	1.865102	48.74	MAv1	30.4	-39.4	39.74	54	-14.26	-	-	0	199	V
6	16.980489	54.38	PK2	41.7	-40.94	55.14			74	-18.86	0	199	V
	16.981131	42.57	MAv1	41.7	-40.96	43.31	54	-10.69	-	-	0	199	V

* - 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



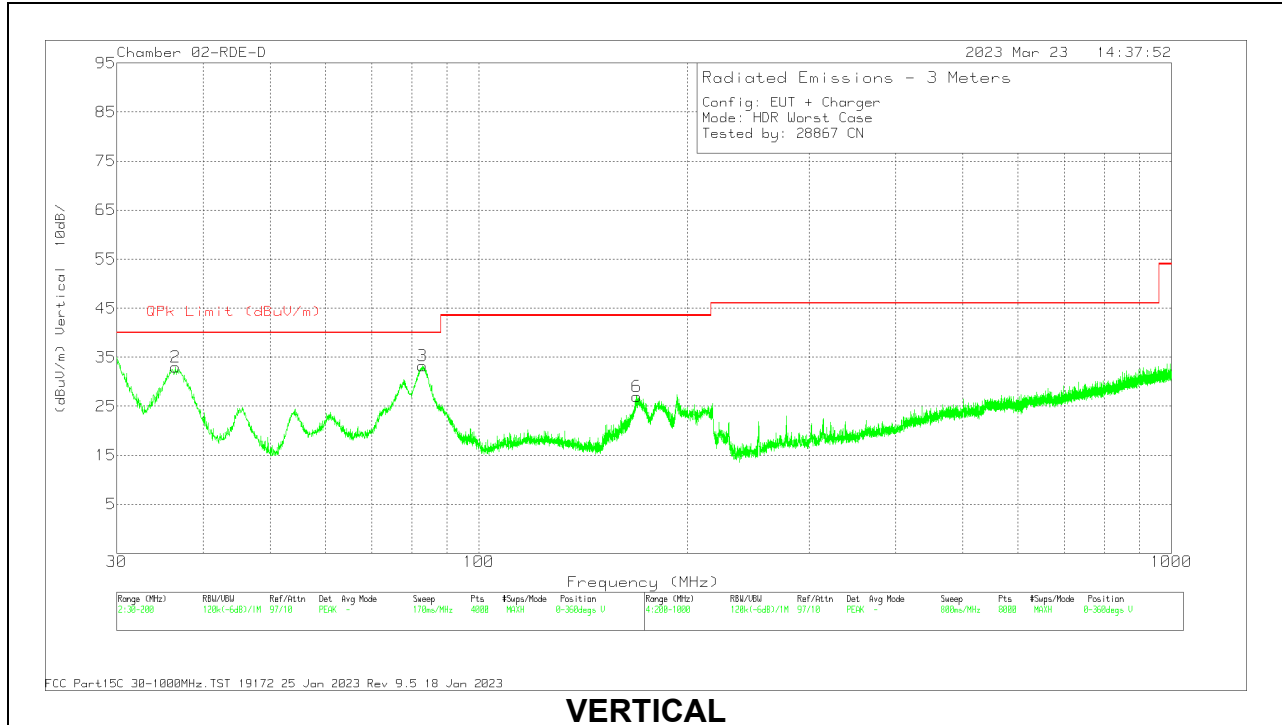
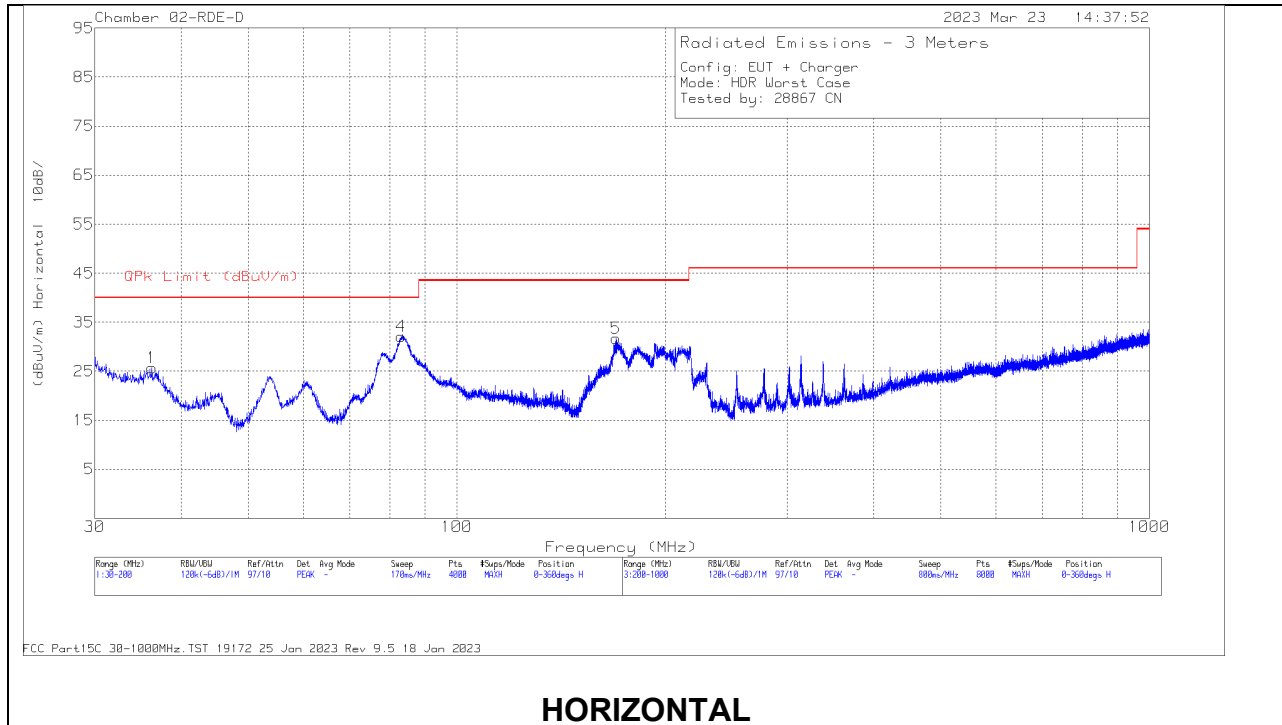
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 13.367055	54.36	PK2	39	-41.16	52.2			74	-21.8	0	101	V
	* 13.366688	42.41	MAv1	39	-41.16	40.25	54	-13.75	-	-	0	101	V
2	1.977189	60.32	PK2	31.1	-39.26	52.16			74	-21.84	0	200	V
	1.978913	48.61	MAv1	31.1	-39.23	40.48	54	-13.52	-	-	0	200	V
1	2.094144	59.69	PK2	31.7	-39.13	52.26			74	-21.74	0	200	H
	2.094036	48.24	MAv1	31.7	-39.13	40.81	54	-13.19	-	-	0	200	H
3	5.676975	57.16	PK2	34.5	-46.38	45.28			74	-28.72	0	101	H
	5.676768	45.48	MAv1	34.5	-46.38	33.6	54	-20.4	-	-	0	101	H
5	6.951016	55.39	PK2	35.7	-44.57	46.52			74	-27.48	0	199	V
	6.951933	43.57	MAv1	35.7	-44.59	34.68	54	-19.32	-	-	0	199	V
4	16.903382	54.44	PK2	41.8	-40.77	55.47			74	-18.53	0	199	H
	16.90242	42.75	MAv1	41.8	-40.76	43.79	54	-10.21	-	-	0	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)



Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80508 ACF (dB)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 169.946	43.83	Pk	17.8	-29.9	31.73	43.52	-11.79	0-360	199	H
6	* 168.968	39.04	Pk	17.8	-29.9	26.94	43.52	-16.58	0-360	199	V
1	36.2916	33.78	Pk	22.5	-30.6	25.68	40	-14.32	0-360	399	H
2	36.5042	41.34	Pk	22.3	-30.7	32.94	40	-7.06	0-360	98	V
	36.682	35.66	Qp	22.2	-30.4	27.46	40	-12.54	0	100	V
3	82.9262	50.25	Pk	13.2	-30.2	33.25	40	-6.75	0-360	98	V
	83.0539	43.3	Qp	13.2	-30.2	26.3	40	-13.7	0	101	V
4	83.0962	49.07	Pk	13.2	-30.2	32.07	40	-7.93	0-360	199	H

Radiated Emissions

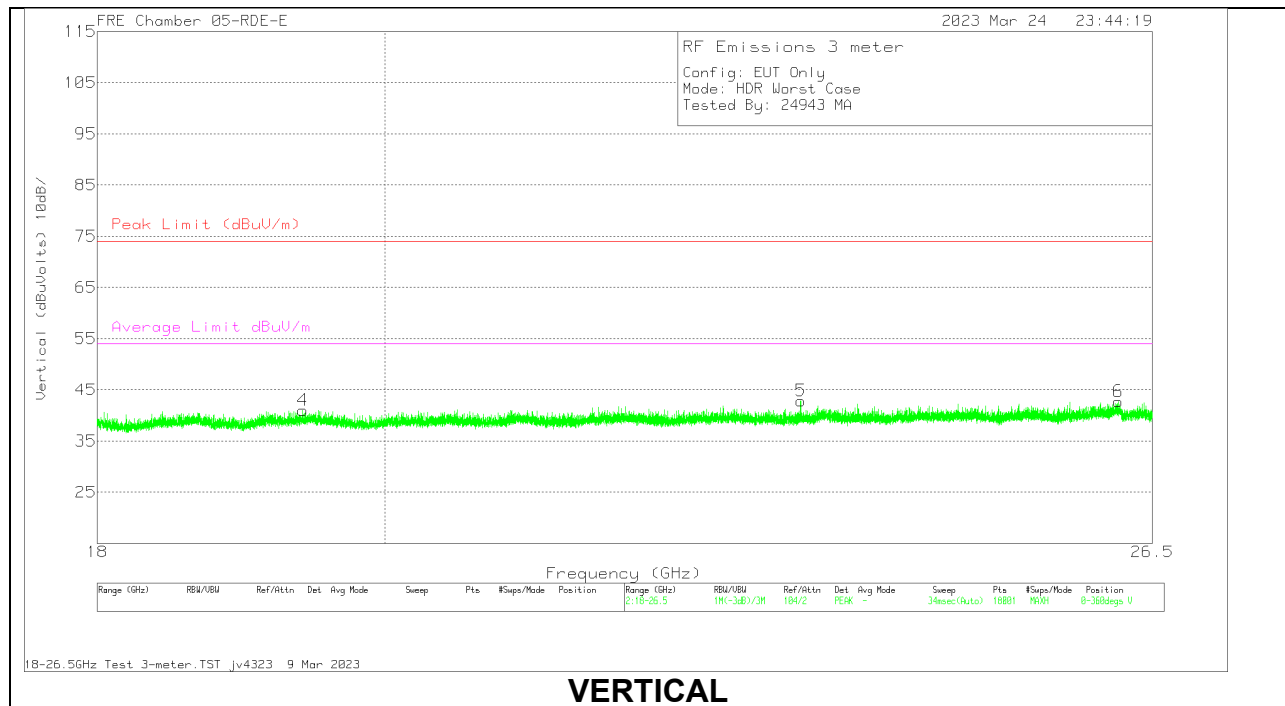
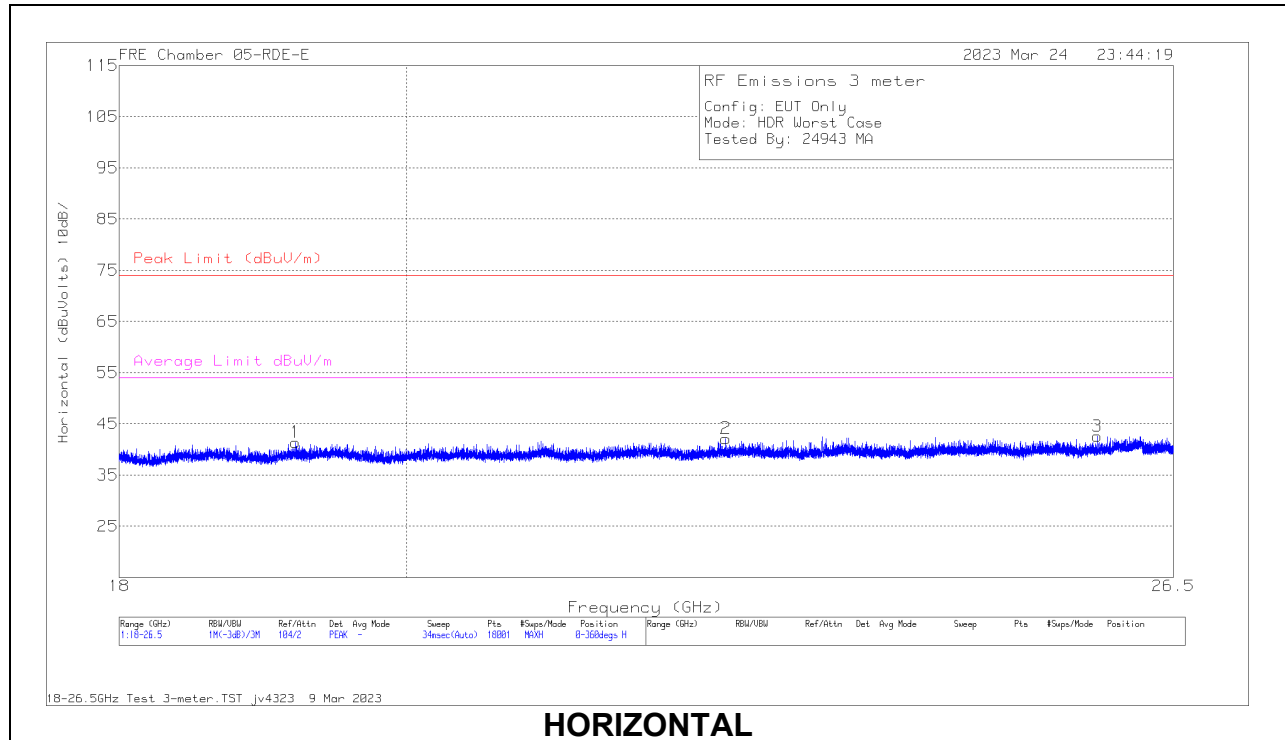
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26.5 GHz

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



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	ampicb1 (dB)	CBL/SWITCH	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.201805	57.57	Pk	32.4	-61.8	13.2	41.37	74	-32.63	0-360	101	H
2	* 22.487526	56.73	Pk	33.1	-82	14.3	42.13	74	-31.87	0-360	101	H
4	* 19.409583	57.11	Pk	32.4	-61.8	13.3	41.01	74	-32.99	0-360	101	V
5	23.298803	57.17	Pk	33.2	-62.1	14.6	42.87	74	-31.13	0-360	101	V
3	25.770413	54.36	Pk	33.8	-61	15.4	42.56	74	-31.44	0-360	101	H
6	26.169913	54.52	Pk	33.8	-61.2	15.6	42.72	74	-31.28	0-360	101	V

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

Pk - Peak detector

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.

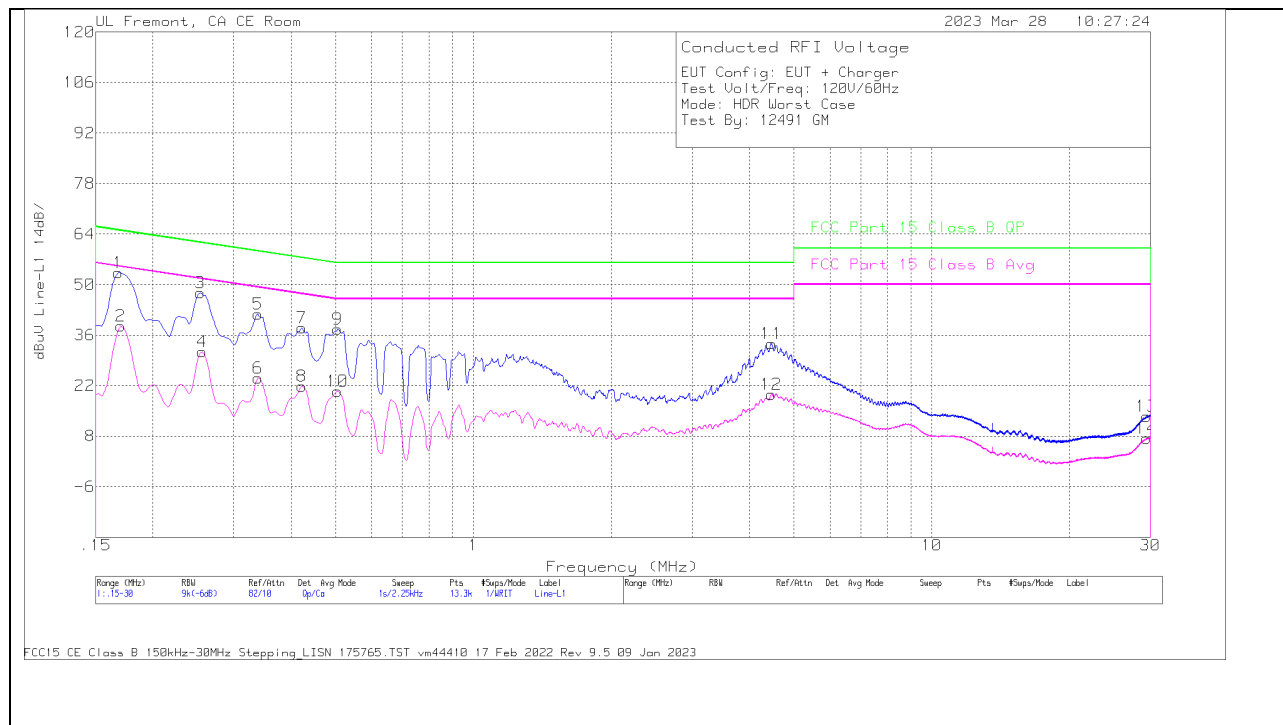
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line With AC/DC Adapter

LINE 1 RESULTS



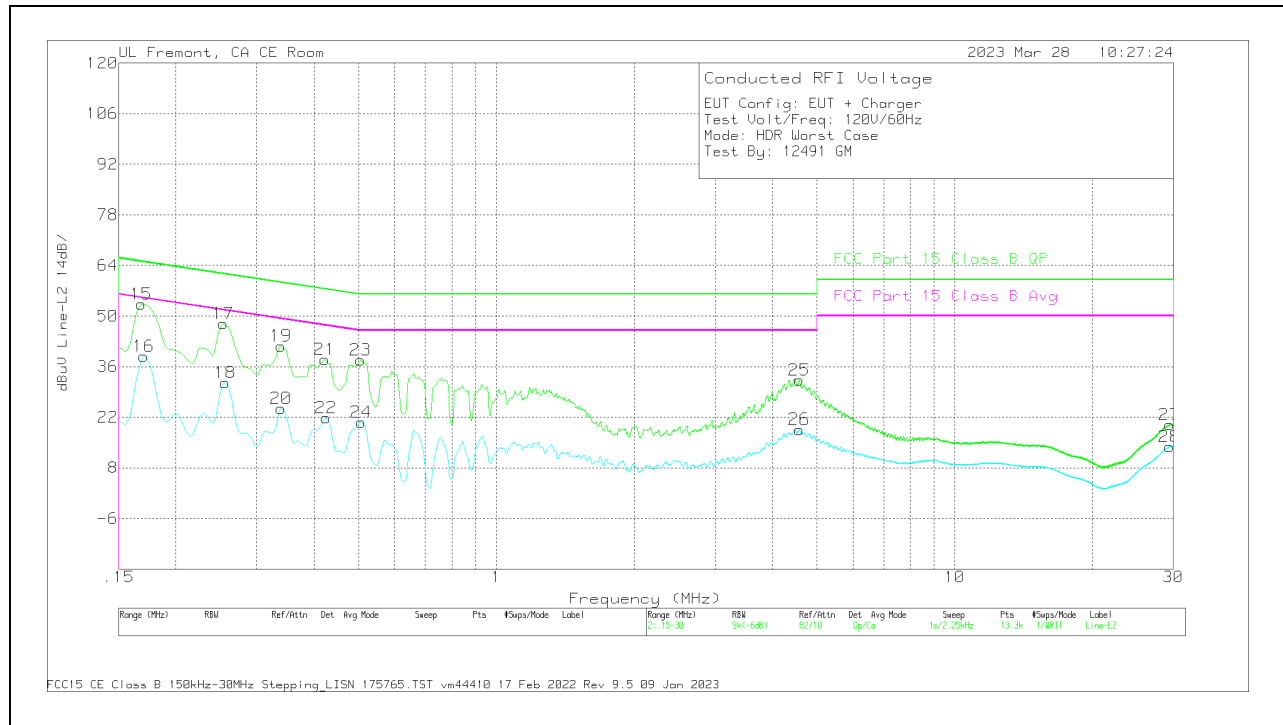
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L1_LISN csv dB	C1&C3 cable path loss dB	207996 Limiter with short cabl dB	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)dBuV	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
2	.1703	29.07	Ca	0	0	9.4	38.47	-	-	54.95	-16.48
4	.2558	22.04	Ca	0	0	9.3	31.34	-	-	51.57	-20.23
6	.339	14.78	Ca	0	0	9.3	24.08	-	-	49.23	-25.15
8	.4223	12.44	Ca	0	.1	9.3	21.84	-	-	47.4	-25.56
10	.5055	11.11	Ca	0	.1	9.3	20.51	-	-	46	-25.49
12	4.4678	10.24	Ca	0	.1	9.3	19.64	-	-	46	-26.36
14	29.4428	-2.61	Ca	.3	.3	9.4	7.39	-	-	50	-42.61
1	.168	43.96	Qp	0	0	9.4	53.36	65.06	-11.7	-	-
3	.2535	38.51	Qp	0	0	9.3	47.81	61.64	-13.83	-	-
5	.339	32.47	Qp	0	0	9.3	41.77	59.23	-17.46	-	-
7	.4223	28.54	Qp	0	.1	9.3	37.94	57.4	-19.46	-	-
9	.5055	28.3	Qp	0	.1	9.3	37.7	56	-18.3	-	-
11	4.4723	24.25	Qp	0	.1	9.3	33.65	56	-22.35	-	-
13	29.4518	3.49	Qp	.3	.3	9.4	13.49	60	-46.51	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN dB	C2&C3 cable path loss dB	207996 Limiter with short cabl dB	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
16	.1703	29.41	Ca	0	0	9.4	38.81	-	-	54.95	-16.14
18	.2558	22.27	Ca	0	0	9.3	31.57	-	-	51.57	-20
20	.339	15.08	Ca	0	0	9.3	24.38	-	-	49.23	-24.85
22	.4245	12.36	Ca	0	.1	9.3	21.76	-	-	47.36	-25.6
24	.5078	11.19	Ca	0	.1	9.3	20.59	-	-	46	-25.41
26	4.5735	9.22	Ca	0	.1	9.3	18.62	-	-	46	-27.38
28	29.4495	3.84	Ca	.3	.3	9.4	13.84	-	-	50	-36.16
15	.168	43.98	Qp	0	0	9.4	53.38	65.06	-11.68	-	-
17	.2535	38.54	Qp	0	0	9.3	47.84	61.64	-13.8	-	-
19	.339	32.44	Qp	0	0	9.3	41.74	59.23	-17.49	-	-
21	.4223	28.53	Qp	0	.1	9.3	37.93	57.4	-19.47	-	-
23	.5055	28.4	Qp	0	.1	9.3	37.8	56	-18.2	-	-
25	4.5735	22.87	Qp	0	.1	9.3	32.27	56	-23.73	-	-
27	29.4495	9.87	Qp	.3	.3	9.4	19.87	60	-40.13	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

11.2. AC Power Line With Laptop

LINE 1 RESULTS



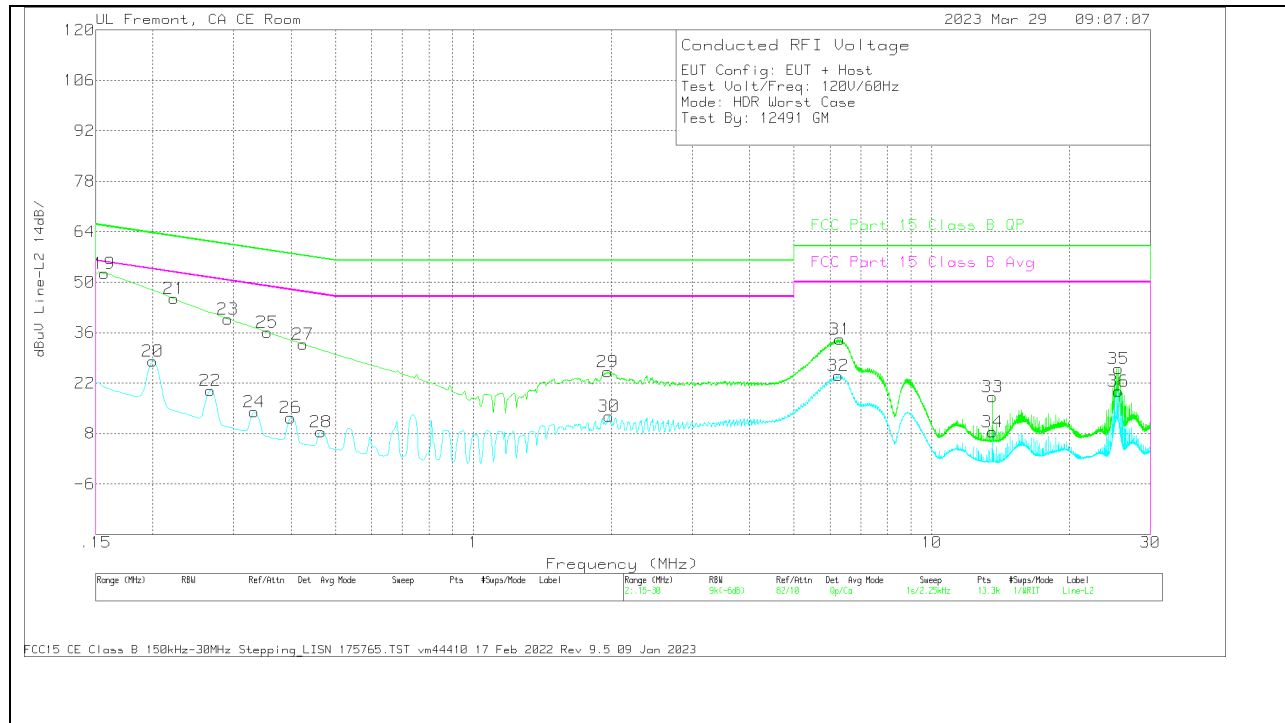
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L1_LISN.csv dB	C1&C3 cable path loss dB	207996 Limiter with short cabl dB	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)dBuV	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
2	.1995	19.57	Ca	0	0	9.4	28.97	-	-	53.63	-24.66
4	.267	10.71	Ca	0	0	9.3	20.01	-	-	51.21	-31.2
6	.3323	5.91	Ca	0	0	9.3	15.21	-	-	49.39	-34.18
8	.402	3.88	Ca	0	.1	9.3	13.28	-	-	47.81	-34.53
10	.4673	.77	Ca	0	.1	9.3	10.17	-	-	46.56	-36.39
12	.8093	4.97	Ca	0	.1	9.3	14.37	-	-	46	-31.63
14	6.4995	14.56	Ca	0	.1	9.3	23.96	-	-	50	-26.04
16	13.56	-2.79	Ca	.1	.2	9.3	6.81	-	-	50	-43.19
18	25.2825	9.72	Ca	.2	.3	9.4	19.62	-	-	50	-30.38
1	.177	40.7	Qp	0	0	9.4	50.1	64.63	-14.53	-	-
3	.249	33.41	Qp	0	0	9.3	42.71	61.79	-19.08	-	-
5	.3165	28.67	Qp	0	0	9.3	37.97	59.8	-21.83	-	-
7	.3863	24.82	Qp	0	.1	9.3	34.22	58.14	-23.92	-	-
9	.4425	22.35	Qp	0	.1	9.3	31.75	57.01	-25.26	-	-
11	.8205	13.81	Qp	0	.1	9.3	23.21	56	-32.79	-	-
13	6.477	24.74	Qp	0	.1	9.3	34.14	60	-25.86	-	-
15	13.56	5.85	Qp	.1	.2	9.3	15.45	60	-44.55	-	-
17	25.2825	14.8	Qp	.2	.3	9.4	24.7	60	-35.3	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN dB	C2&C3 cable path loss dB	207996 Limiter with short cabl dB	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
20	.1995	18.62	Ca	0	0	9.4	28.02	-	-	53.63	-25.61
22	.267	10.7	Ca	0	0	9.3	20	-	-	51.21	-31.21
24	.3323	4.65	Ca	0	0	9.3	13.95	-	-	49.39	-35.44
26	.3998	2.97	Ca	0	.1	9.3	12.37	-	-	47.86	-35.49
28	.465	-.91	Ca	0	.1	9.3	8.49	-	-	46.6	-38.11
30	1.977	3.42	Ca	0	.1	9.3	12.82	-	-	46	-33.18
32	6.2543	14.63	Ca	0	.1	9.3	24.03	-	-	50	-25.97
34	13.56	-1.14	Ca	.1	.2	9.3	8.46	-	-	50	-41.54
36	25.5795	9.69	Ca	.3	.3	9.4	19.69	-	-	50	-30.31
19	.1568	42.98	Qp	0	0	9.4	52.38	65.63	-13.25	-	-
21	.222	36.13	Qp	0	0	9.3	45.43	62.74	-17.31	-	-
23	.2918	30.52	Qp	0	0	9.3	39.82	60.47	-20.65	-	-
25	.3548	26.81	Qp	0	0	9.3	36.11	58.85	-22.74	-	-
27	.4245	23.38	Qp	0	.1	9.3	32.78	57.36	-24.58	-	-
29	1.9658	15.68	Qp	0	.1	9.3	25.08	56	-30.92	-	-
31	6.3038	24.81	Qp	0	.1	9.3	34.21	60	-25.79	-	-
33	13.56	8.66	Qp	.1	.2	9.3	18.26	60	-41.74	-	-
35	25.5795	15.99	Qp	.3	.3	9.4	25.99	60	-34.01	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14523778-EP1V1 for setup photos

END OF TEST REPORT