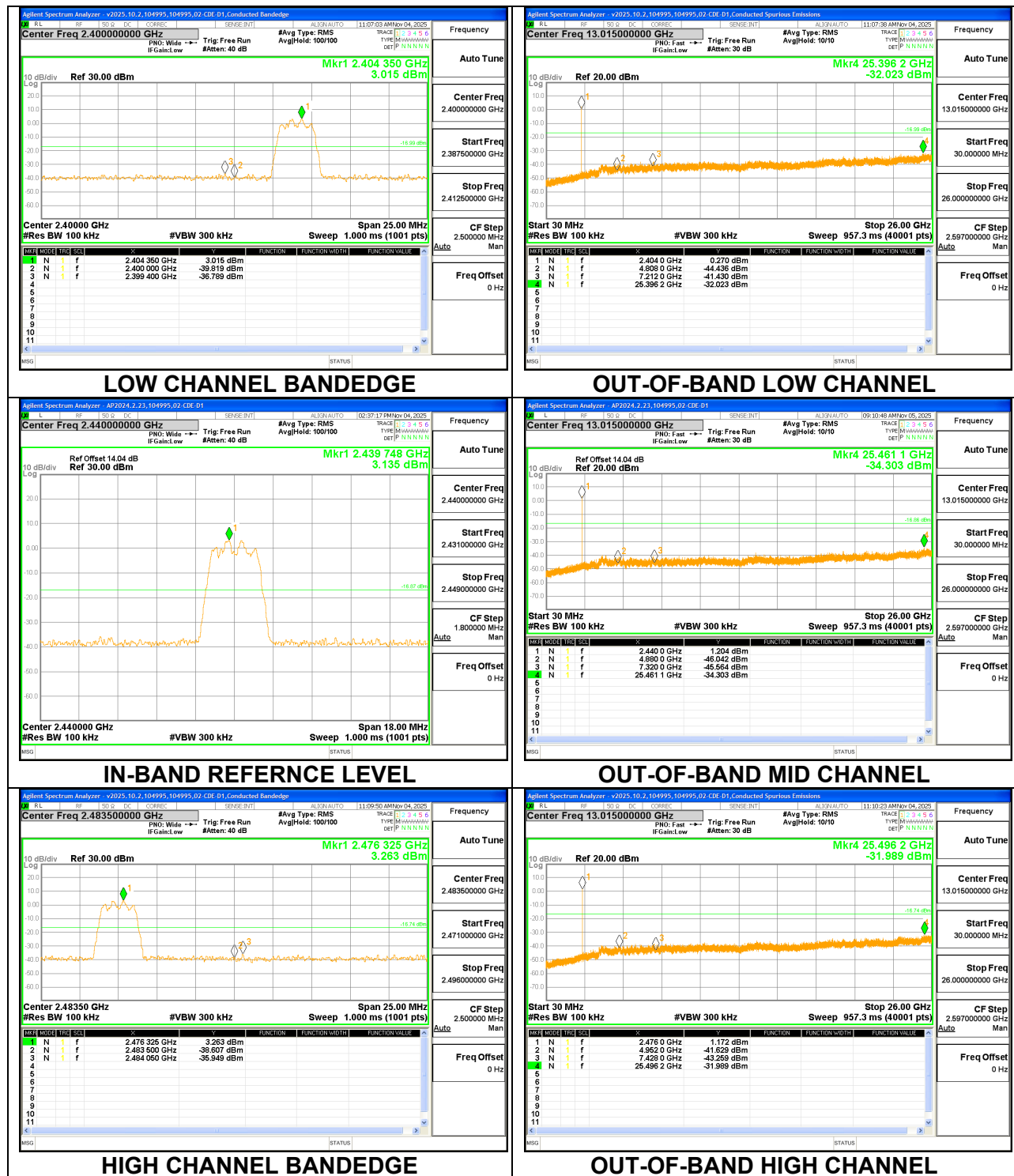
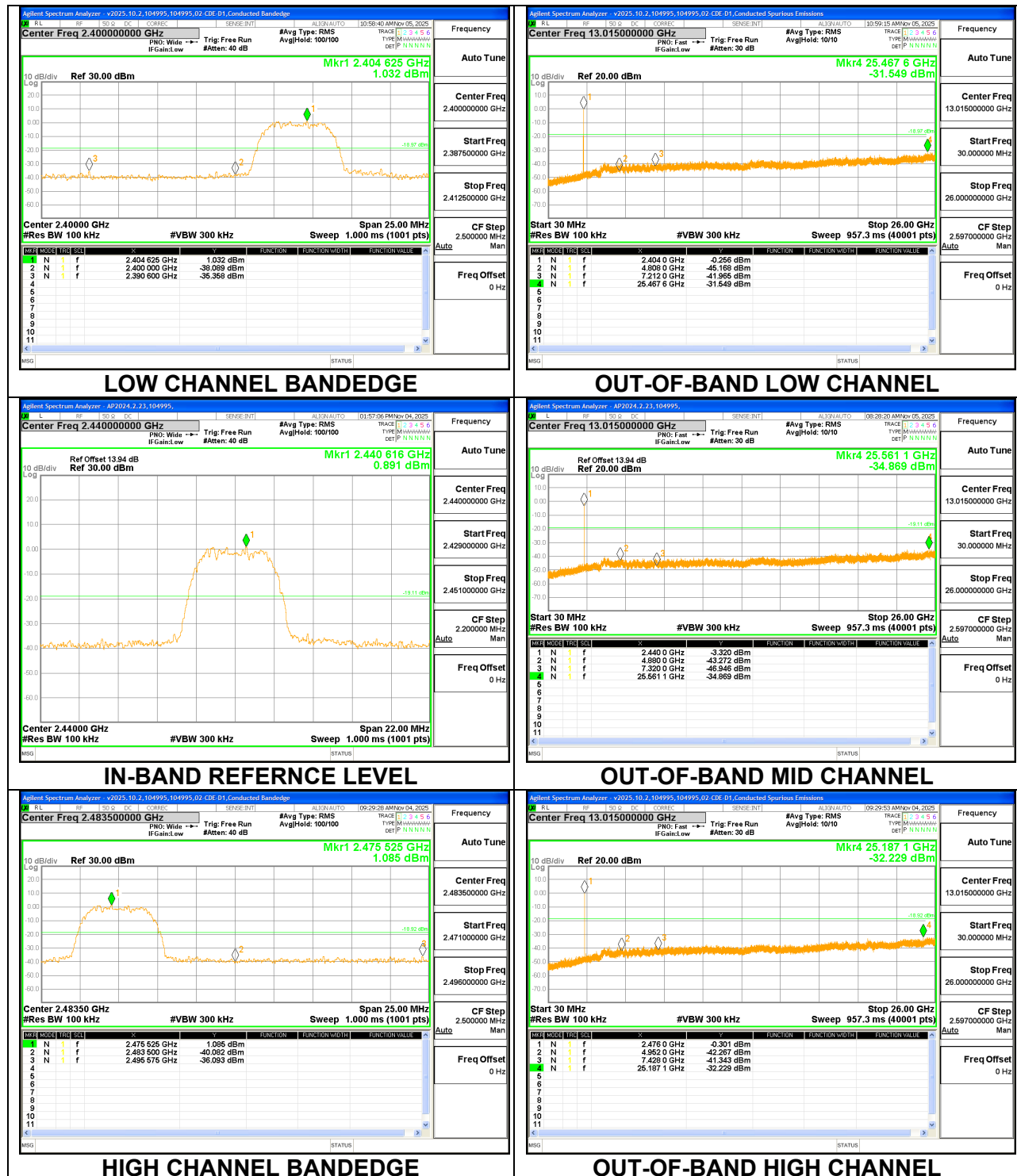


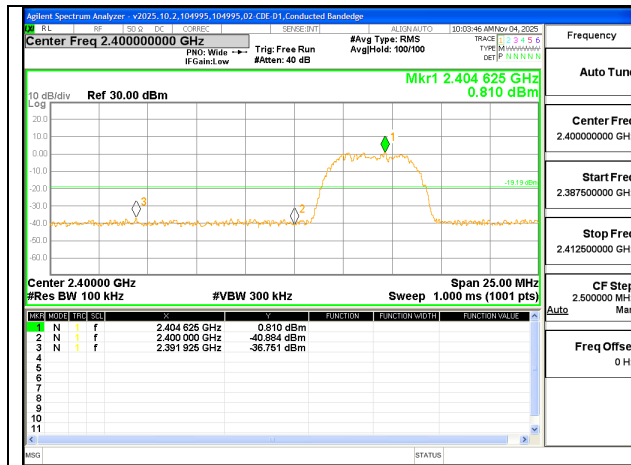
ANT 3

9.6.7. LOW POWER HDR8

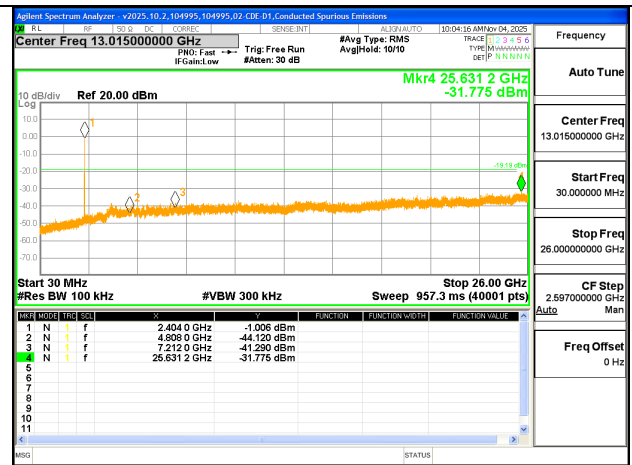
ANT 4



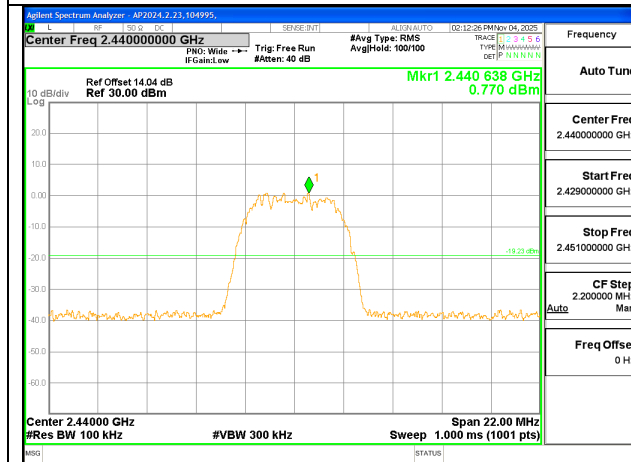
ANT 3



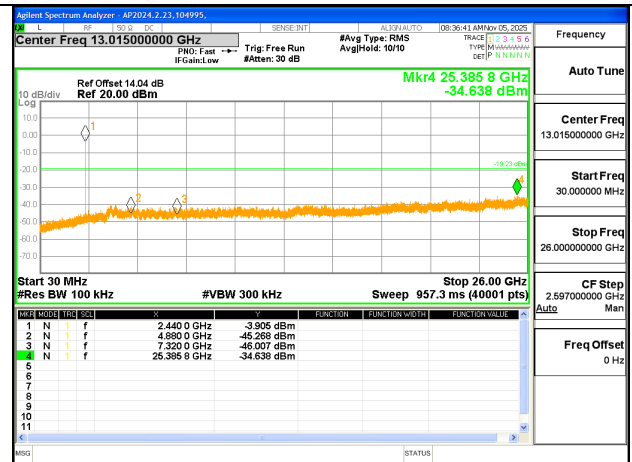
LOW CHANNEL BANDEDGE



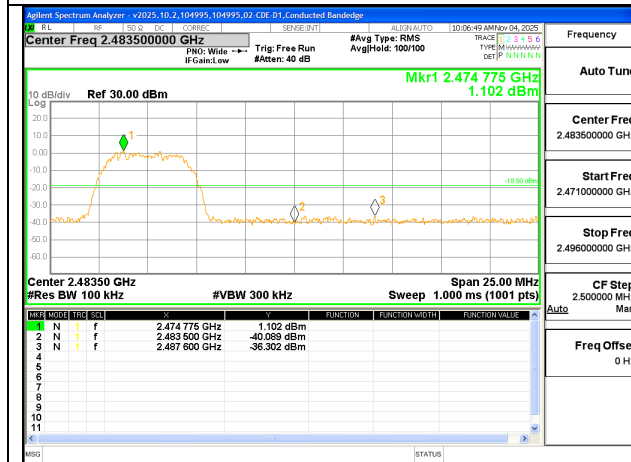
OUT-OF-BAND LOW CHANNEL



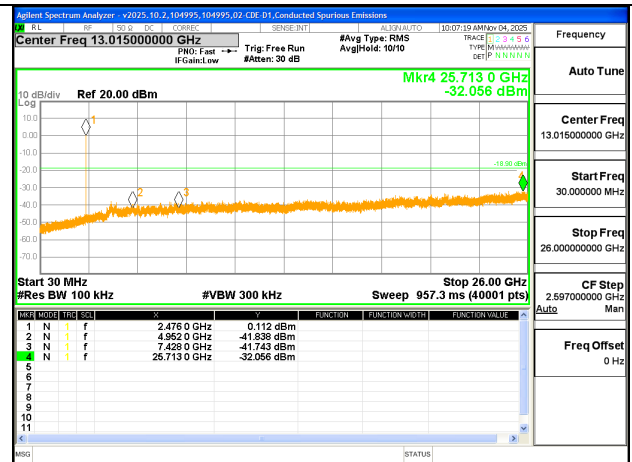
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



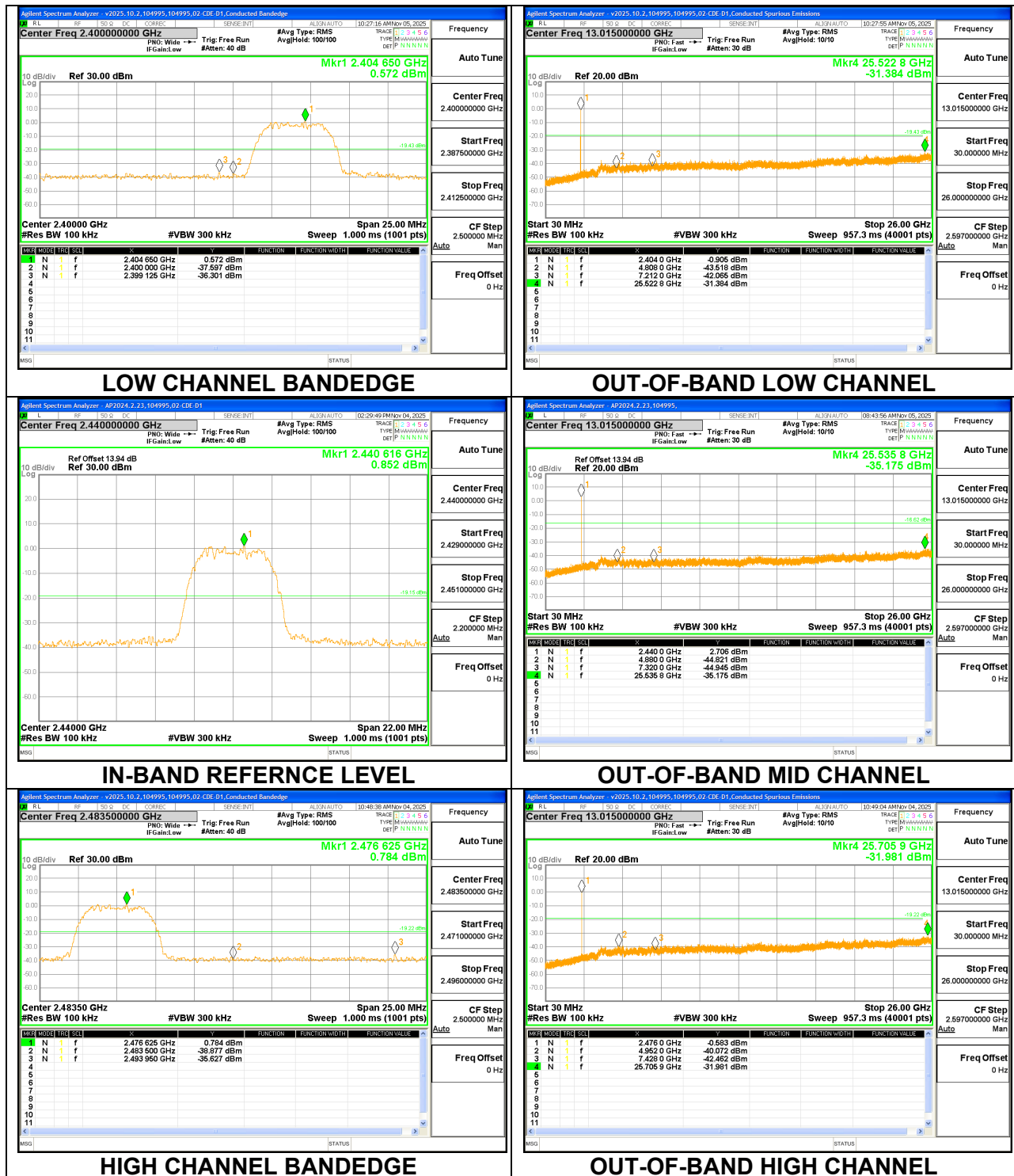
HIGH CHANNEL BANDEDGE



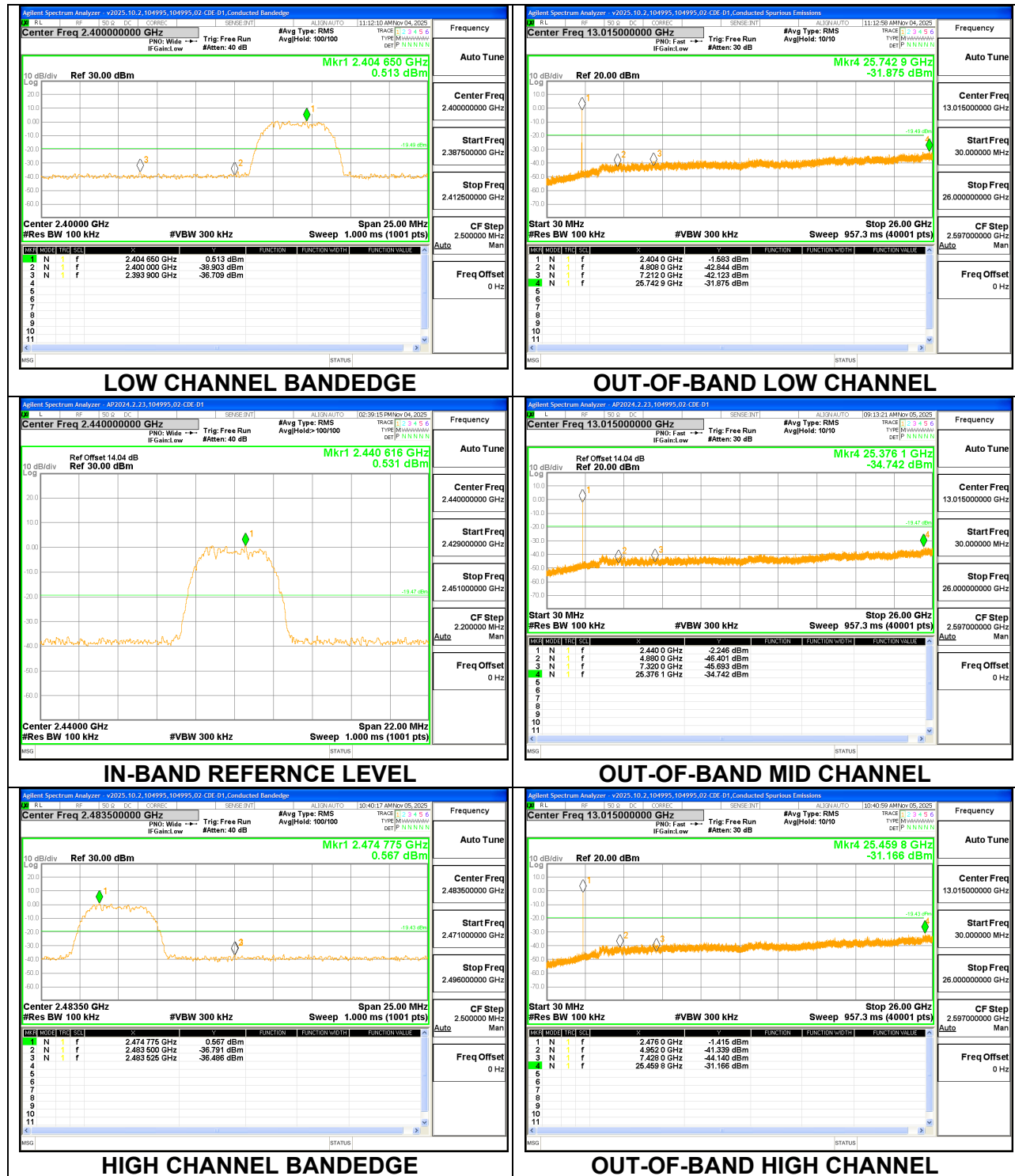
OUT-OF-BAND HIGH CHANNEL

9.6.8. LOW POWER HDR8 MIMO TXBF

ANT 4



ANT 3



10. RADIATED TEST RESULTS

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 must 15.209(a) limit.

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

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

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

RESULTS

The plots in these sections are for reference settings only for different bandwidth and different antenna.

10.1. TRANSMITTER ABOVE 1 GHz

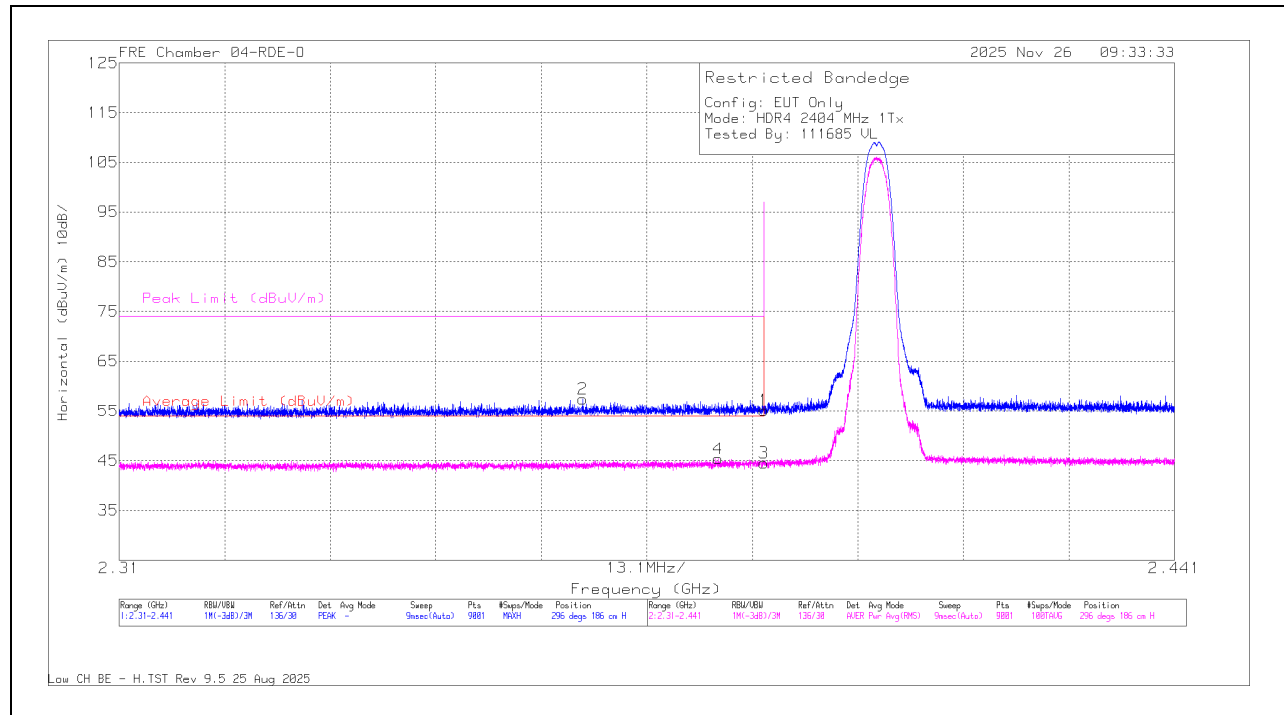
10.1.1. SISO MODE – LOW BANDEDGE – HIGH POWER

2.4GHz (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Ftr/ Pad (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4	* 2.39	60.01	Pk	32.2	0	-37.08	55.13	-	-	74	-18.87	296	186	H
			* 2.367554	62.38	Pk	32.1	0	-37.11	57.37	-	-	74	-16.63	296	186	H
			* 2.39	49.42	RMS	32.2	0	-37.08	44.54	54	-9.46	-	-	296	186	H
			* 2.384323	50.29	RMS	32.2	0	-37.13	45.36	54	-8.64	-	-	296	186	H
			* 2.39	59.68	Pk	32.2	0	-37.08	54.8	-	-	74	-19.2	307	361	V
			* 2.377103	62.35	Pk	32.2	0	-37.11	57.44	-	-	74	-16.56	307	361	V
			* 2.39	49.41	RMS	32.2	0	-37.08	44.53	54	-9.47	-	-	307	361	V
			* 2.380611	50.17	RMS	32.2	0	-37.15	45.22	54	-8.78	-	-	307	361	V
		3	* 2.39	58.52	Pk	32.2	0	-39	51.72	-	-	74	-22.28	165	138	H
			* 2.369825	60.33	Pk	32.1	0	-38.88	53.55	-	-	74	-20.45	165	138	H
			* 2.39	46.64	RMS	32.2	0	-39	39.84	54	-14.16	-	-	165	138	H
			* 2.388908	48.19	RMS	32.2	0	-39.11	41.28	54	-12.72	-	-	165	138	H
			* 2.39	57.43	Pk	32.2	0	-39	50.63	-	-	74	-23.37	108	351	V
			* 2.365386	59.9	Pk	32.1	0	-38.98	53.02	-	-	74	-20.98	108	351	V
			* 2.39	47.41	RMS	32.2	0	-39	40.61	54	-13.39	-	-	108	351	V
			* 2.3754	47.75	RMS	32.1	0	-38.8	41.05	54	-12.95	-	-	108	351	V
HDR8	2404	4	* 2.39	60.18	Pk	32.2	0	-37.08	55.3	-	-	74	-18.7	164	117	H
			* 2.373784	62.58	Pk	32.1	0	-37.09	57.59	-	-	74	-16.41	164	117	H
			* 2.39	49.24	RMS	32.2	0	-37.08	44.36	54	-9.64	-	-	164	117	H
			* 2.37441	50.18	RMS	32.1	0	-37.09	45.19	54	-8.81	-	-	164	117	H
			* 2.39	59.95	Pk	32.2	0	-37.08	55.07	-	-	74	-18.93	161	363	V
			* 2.375284	62.32	Pk	32.2	0	-37.09	57.43	-	-	74	-16.57	161	363	V
			* 2.39	49.59	RMS	32.2	0	-37.08	44.71	54	-9.29	-	-	161	363	V
			* 2.389956	50.25	RMS	32.2	0	-37.08	45.37	54	-8.63	-	-	161	363	V
		3	* 2.39	58.09	Pk	32.2	0	-39	51.29	-	-	74	-22.71	343	120	H
			* 2.372984	60.35	Pk	32.1	0	-38.9	53.55	-	-	74	-20.45	343	120	H
			* 2.39	47.25	RMS	32.2	0	-39	40.45	54	-13.55	-	-	343	120	H
			* 2.389825	48.1	RMS	32.2	0	-39.02	41.28	54	-12.72	-	-	343	120	H
			* 2.39	57.9	Pk	32.2	0	-39	51.1	-	-	74	-22.9	16	394	V
			* 2.377453	59.82	Pk	32.1	0	-38.95	52.97	-	-	74	-21.03	16	394	V
			* 2.39	46.69	RMS	32.2	0	-39	39.89	54	-14.11	-	-	16	394	V
			* 2.385225	47.59	RMS	32.1	0	-38.6	41.09	54	-12.91	-	-	16	394	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 4**BANDEDGE (HDR4 LOW CHANNEL)****HORIZONTAL RESULT****Trace Markers**

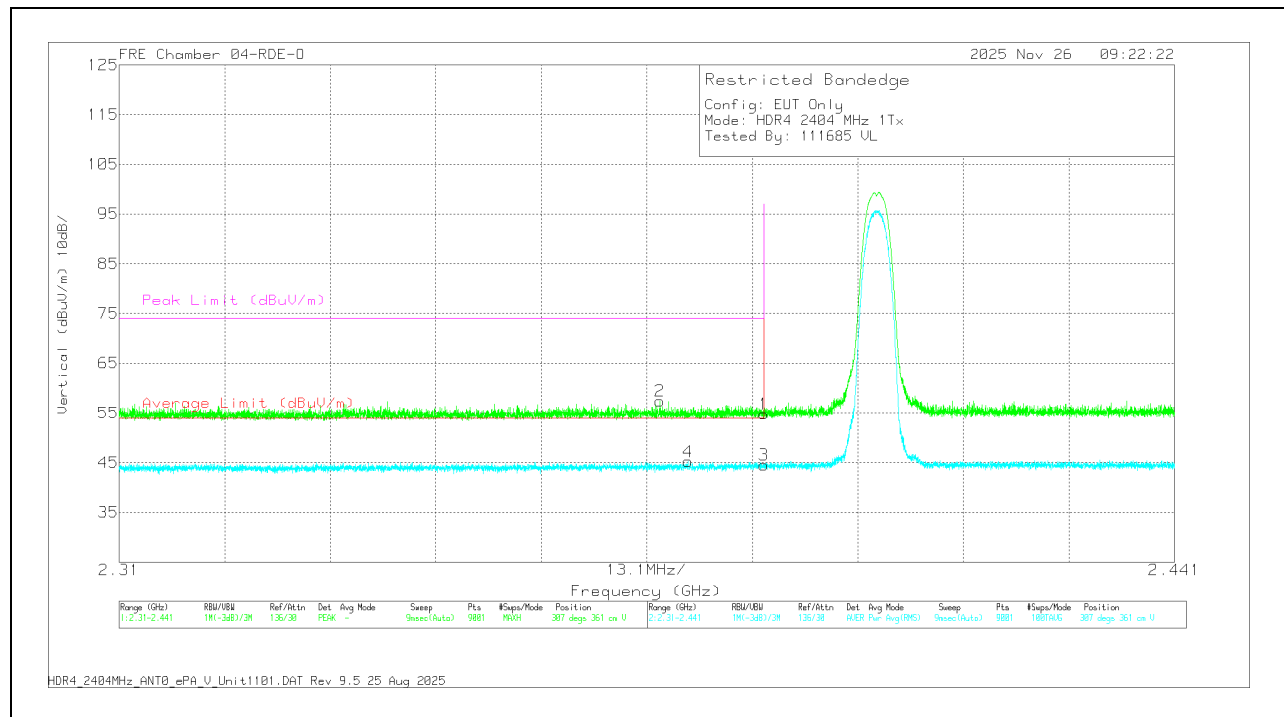
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20096 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	60.01	Pk	32.2	0	-37.08	55.13	-	-	74	-18.87	296	186	H
2	* 2.367554	62.38	Pk	32.1	0	-37.11	57.37	-	-	74	-16.63	296	186	H
3	* 2.39	49.42	RMS	32.2	0	-37.08	44.54	54	-9.46	-	-	296	186	H
4	* 2.364323	50.29	RMS	32.2	0	-37.13	45.36	54	-8.64	-	-	296	186	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



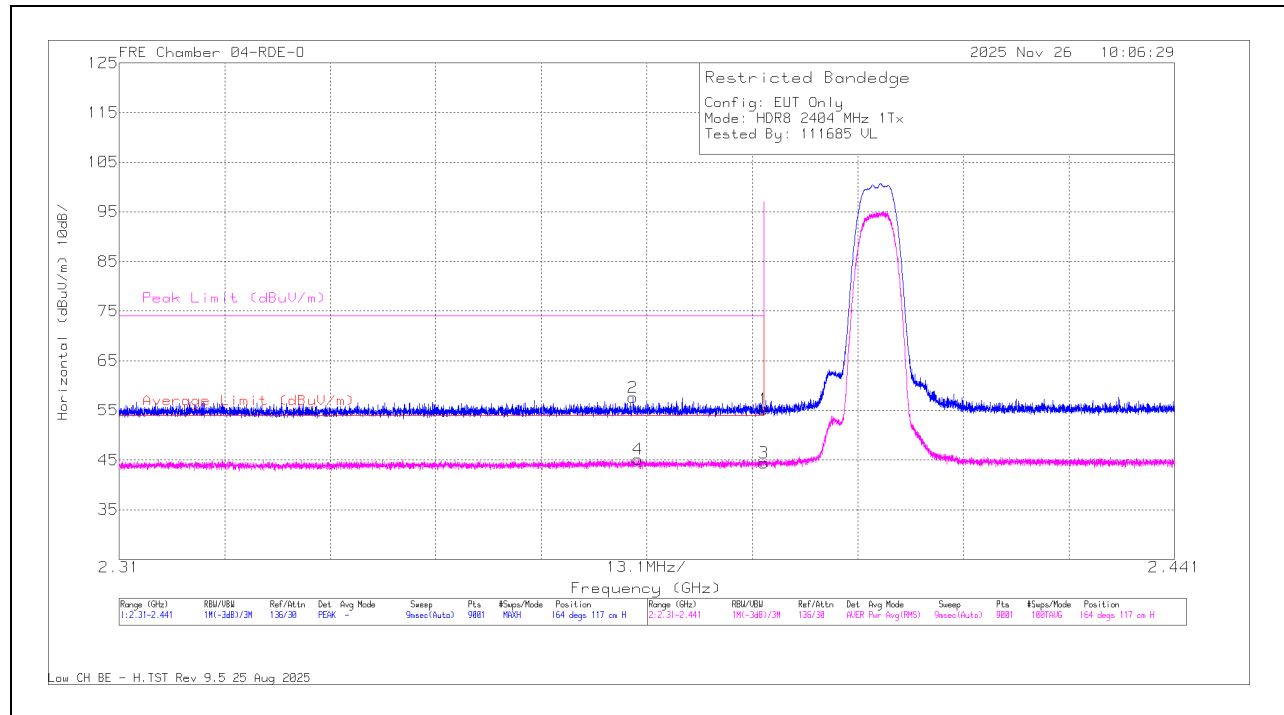
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200896 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	* 2.33	58.68	PK	32.2	0	-37.08	54.8	-	-	74	-19.2	307	361	V
2	* 2.377103	62.35	PK	32.2	0	-37.11	57.44	-	-	74	-16.56	307	361	V
3	* 2.38	49.41	RMS	32.2	0	-37.08	44.53	54	-9.47	-	-	307	361	V
4	* 2.380611	50.17	RMS	32.2	0	-37.15	45.22	54	-8.78	-	-	307	361	V

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

PK - Peak detector

RMS - RMS detection

BANDEDGE (HDR8 LOW CHANNEL)**HORIZONTAL RESULT****Trace Markers**

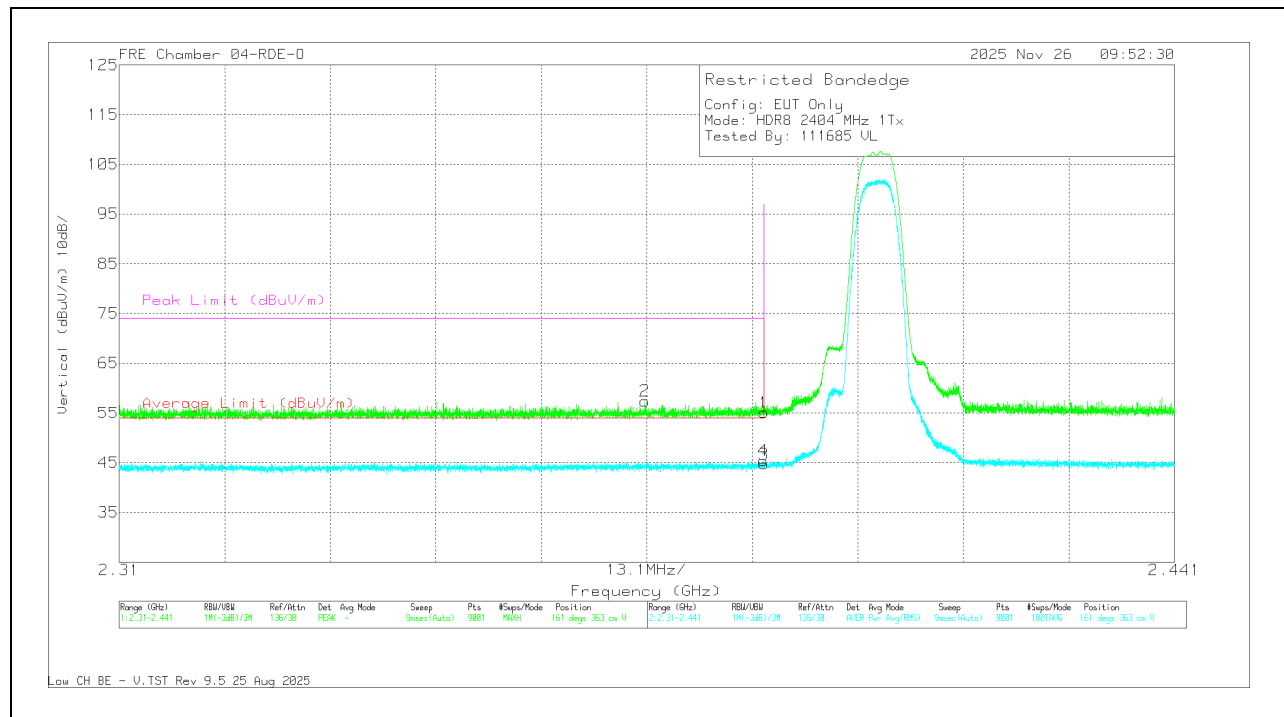
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200896 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.18	PK	32.2	0	-37.08	55.3	-	-	74	-18.7	164	117	H
2	* 2.373784	62.58	PK	32.1	0	-37.09	57.59	-	-	74	-16.41	164	117	H
3	* 2.39	49.24	RMS	32.2	0	-37.08	44.36	54	-9.64	-	-	164	117	H
4	* 2.37441	50.18	RMS	32.1	0	-37.09	45.19	54	-8.81	-	-	164	117	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200896 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (ft)	Height (cm)	Polarity
1	* 2.39	58.95	PK	32.2	0	-37.08	55.07	-	-	74	-18.83	161	363	V
2	* 2.375284	62.32	PK	32.2	0	-37.08	57.43	-	-	74	-16.57	161	363	V
3	* 2.39	49.59	RMS	32.2	0	-37.08	44.71	54	-9.29	-	-	161	363	V
4	* 2.389956	50.25	RMS	32.2	0	-37.08	45.37	54	-8.63	-	-	161	363	V

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

PK - Peak detector

RMS - RMS detection

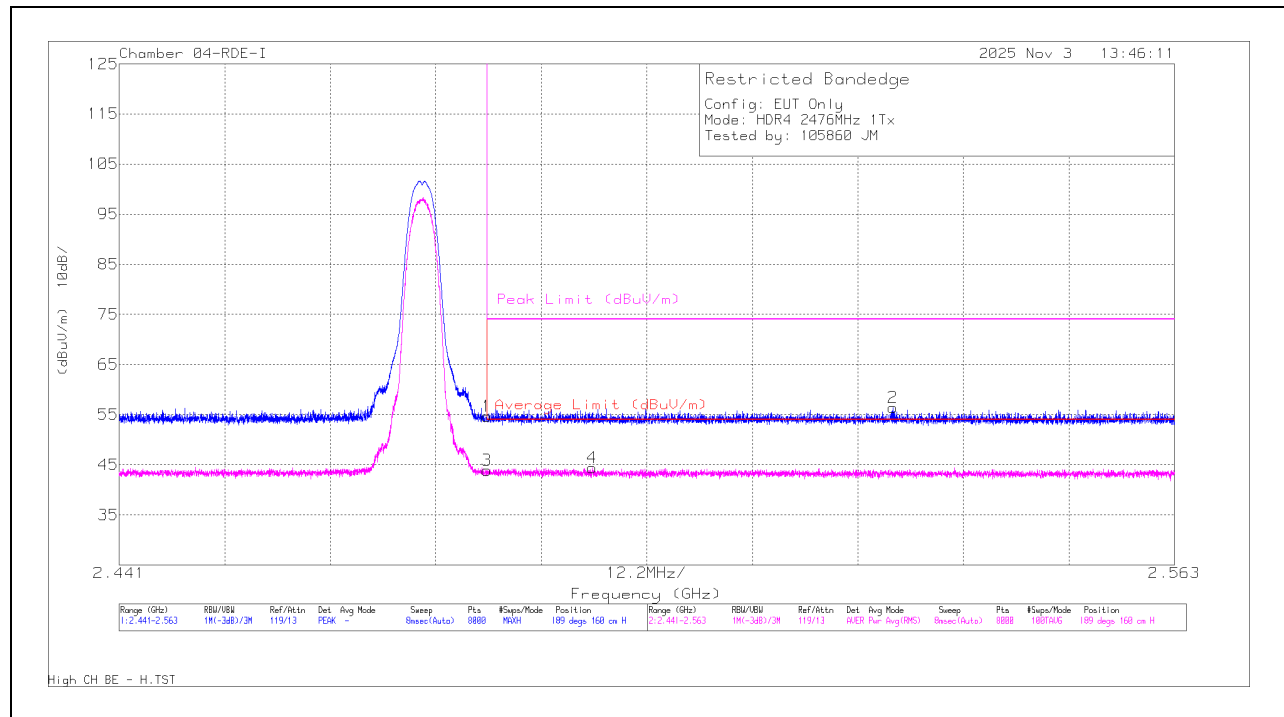
10.1.2. SISO MODE – HIGH BANDEDGE – HIGH POWER

2.4GHz (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4	* 2.4835	42.7	Pk	32.3	-20.3	0	54.7	-	-	74	-19.3	189	160	H
			2.530438	44.44	Pk	32.4	-20.4	0	56.44	-	-	74	-17.56	189	160	H
			* 2.4835	31.86	RMS	32.3	-20.3	0	43.86	54	-10.14	-	-	189	160	H
			* 2.495663	32.41	RMS	32.3	-20.3	0	44.41	54	-9.59	-	-	189	160	H
			* 2.4835	42.24	Pk	32.3	-20.3	0	54.24	-	-	74	-19.76	173	329	V
			2.510229	45.28	Pk	32.4	-20.4	0	57.28	-	-	74	-16.72	173	329	V
			* 2.4835	31.7	RMS	32.3	-20.3	0	43.7	54	-10.3	-	-	173	329	V
			2.50091	32.44	RMS	32.3	-20.3	0	44.44	54	-9.56	-	-	173	329	V
		3	* 2.4835	61.38	Pk	32.2	-38.7	0	54.88	-	-	74	-19.12	205	133	H
			2.559127	62.93	Pk	32.4	-38.4	0	56.93	-	-	74	-17.07	205	133	H
			* 2.4835	50.57	RMS	32.2	-38.7	0	44.07	54	-9.93	-	-	205	133	H
			* 2.485043	51.5	RMS	32.2	-38.7	0	45	54	-9	-	-	205	133	H
			* 2.4835	60.3	Pk	32.2	-38.7	0	53.8	-	-	74	-20.2	229	367	V
			2.533059	62.84	Pk	32.3	-38.5	0	56.64	-	-	74	-17.36	229	367	V
			* 2.4835	49.7	RMS	32.2	-38.7	0	43.2	54	-10.8	-	-	229	367	V
			2.555792	50.68	RMS	32.4	-38.4	0	44.68	54	-9.32	-	-	229	367	V
HDR8	2476	4	* 2.4835	44.27	Pk	32.3	-20.3	0	56.27	-	-	74	-17.73	322	147	H
			* 2.483645	45.33	Pk	32.3	-20.3	0	57.33	-	-	74	-16.67	322	147	H
			* 2.4835	32.83	RMS	32.3	-20.3	0	44.83	54	-9.17	-	-	322	147	H
			* 2.483721	33.39	RMS	32.3	-20.3	0	45.39	54	-8.61	-	-	322	147	H
			* 2.4835	44.28	Pk	32.3	-20.3	0	56.28	-	-	74	-17.72	87	323	V
			* 2.492857	45.75	Pk	32.3	-20.3	0	57.75	-	-	74	-16.25	87	323	V
			* 2.4835	32.84	RMS	32.3	-20.3	0	44.84	54	-9.16	-	-	87	323	V
			2.509283	33.8	RMS	32.4	-20.4	0	45.8	54	-8.2	-	-	87	323	V
		3	* 2.4835	61.06	Pk	32.2	-38.7	0	54.56	-	-	74	-19.44	208	133	H
			2.538834	63.28	Pk	32.3	-38.5	0	57.08	-	-	74	-16.92	208	133	H
			* 2.4835	50.24	RMS	32.2	-38.7	0	43.74	54	-10.26	-	-	208	133	H
			2.549977	50.6	RMS	32.4	-38.4	0	44.6	54	-9.4	-	-	208	133	H
			* 2.4835	62.74	Pk	32.2	-38.7	0	56.24	-	-	74	-17.76	173	367	V
			2.534658	63.33	Pk	32.3	-38.5	0	57.13	-	-	74	-16.87	173	367	V
			* 2.4835	49.94	RMS	32.2	-38.7	0	43.44	54	-10.56	-	-	173	367	V
			2.554098	50.6	RMS	32.4	-38.4	0	44.6	54	-9.4	-	-	173	367	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 4**BANDEDGE (HDR4 HIGH CHANNEL)****HORIZONTAL RESULT****Trace Markers**

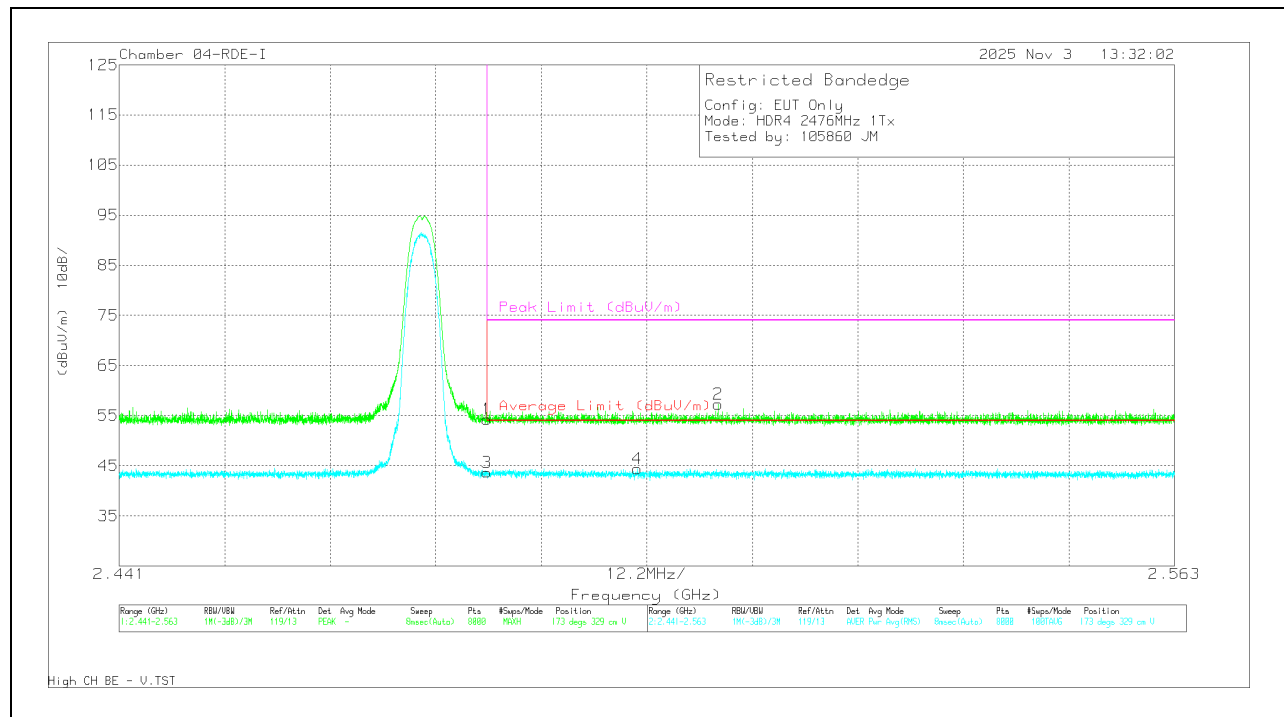
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	42.7	Pk	32.3	-20.3	54.7	-	-	74	-19.3	189	160	H
2	2.530438	44.44	Pk	32.4	-20.4	56.44	-	-	74	-17.56	189	160	H
3	* 2.4835	31.86	RMS	32.3	-20.3	43.86	54	-10.14	-	-	189	160	H
4	* 2.495663	32.41	RMS	32.3	-20.3	44.41	54	-9.59	-	-	189	160	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



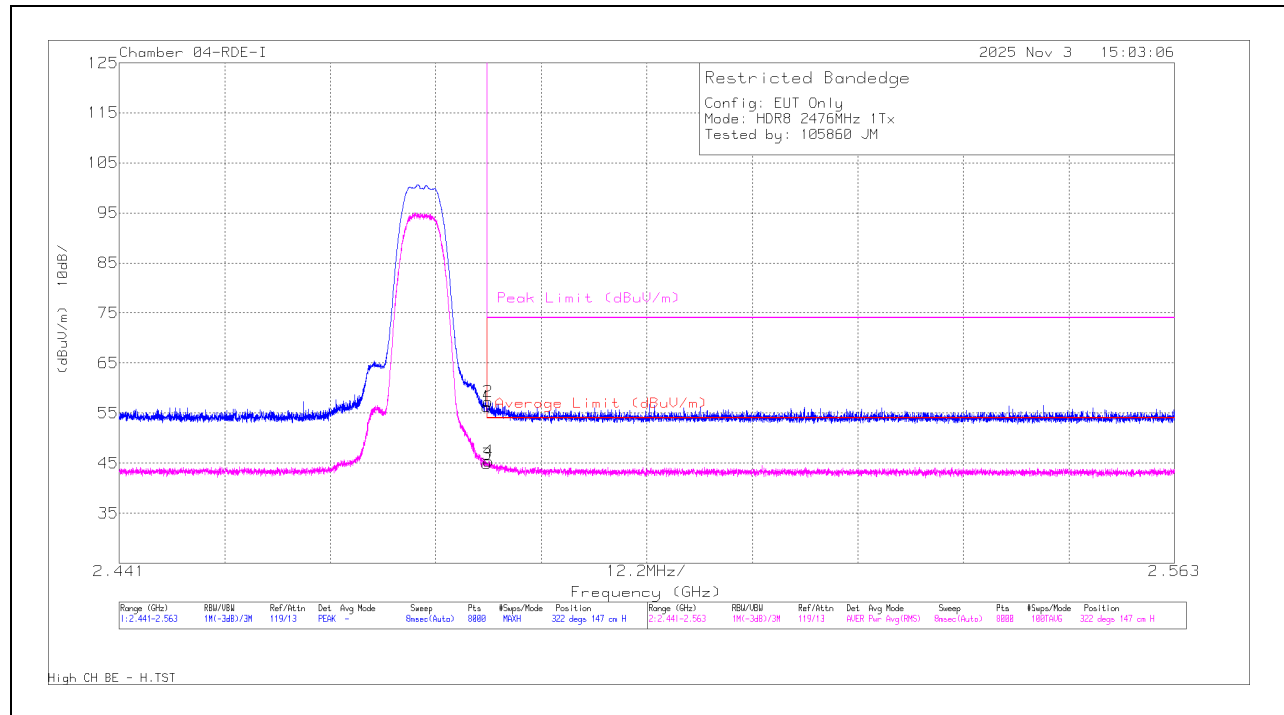
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (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	42.24	Pk	32.3	-20.3	54.24	-	-	74	-19.76	173	329	V
2	2.510229	45.28	Pk	32.4	-20.4	57.28	-	-	74	-16.72	173	329	V
3	* 2.4835	31.7	RMS	32.3	-20.3	43.7	54	-10.3	-	-	173	329	V
4	2.50091	32.44	RMS	32.3	-20.3	44.44	54	-9.56	-	-	173	329	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HDR8 HIGH CHANNEL)**HORIZONTAL RESULT****Trace Markers**

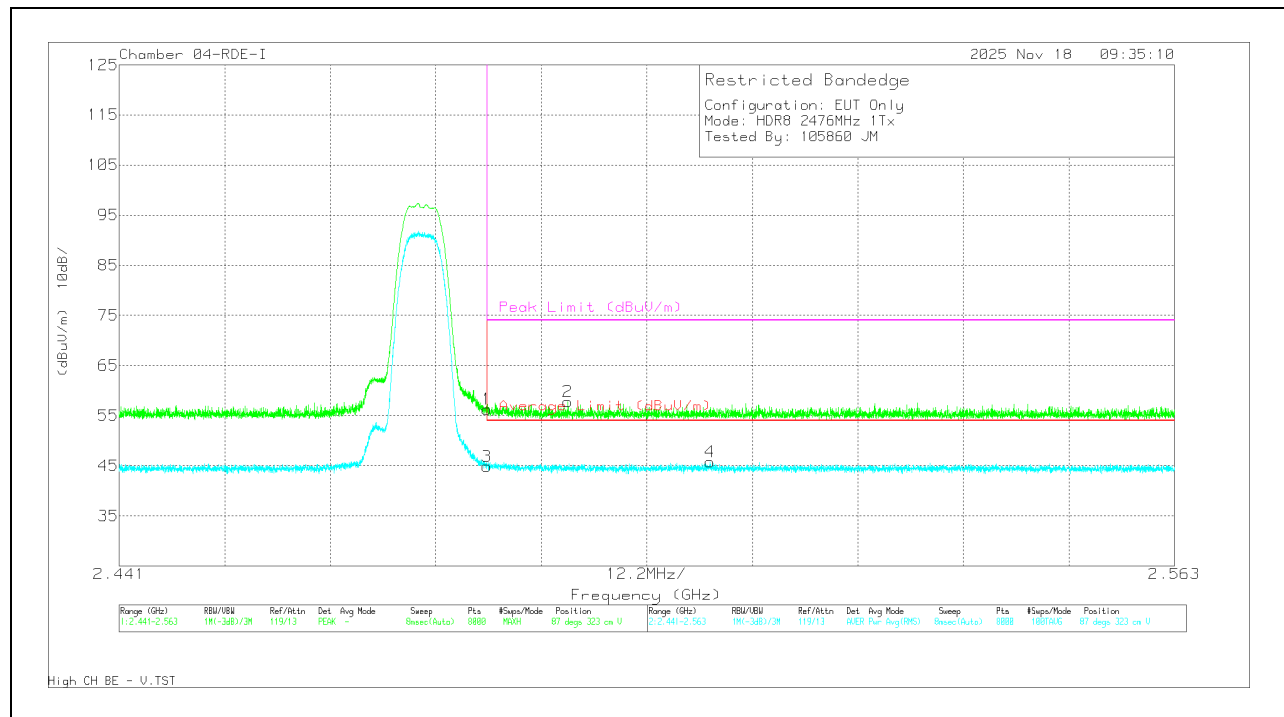
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.27	Pk	32.3	-20.3	56.27	-	-	74	-17.73	322	147	H
2	* 2.483645	45.33	Pk	32.3	-20.3	57.33	-	-	74	-16.67	322	147	H
3	* 2.4835	32.83	RMS	32.3	-20.3	44.83	54	-9.17	-	-	322	147	H
4	* 2.483721	33.39	RMS	32.3	-20.3	45.39	54	-8.61	-	-	322	147	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Chl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.28	PK	32.3	-20.3	0	56.28	-	-	74	-17.72	87	323	V
2	* 2.492857	45.75	PK	32.3	-20.3	0	57.75	-	-	74	-16.25	87	323	V
3	* 2.4835	32.84	RMS	32.3	-20.3	0	44.84	54	-9.16	-	-	87	323	V
4	2.509283	33.8	RMS	32.4	-20.4	0	45.8	54	-8.2	-	-	87	323	V

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

PK - Peak detector

RMS - RMS detection

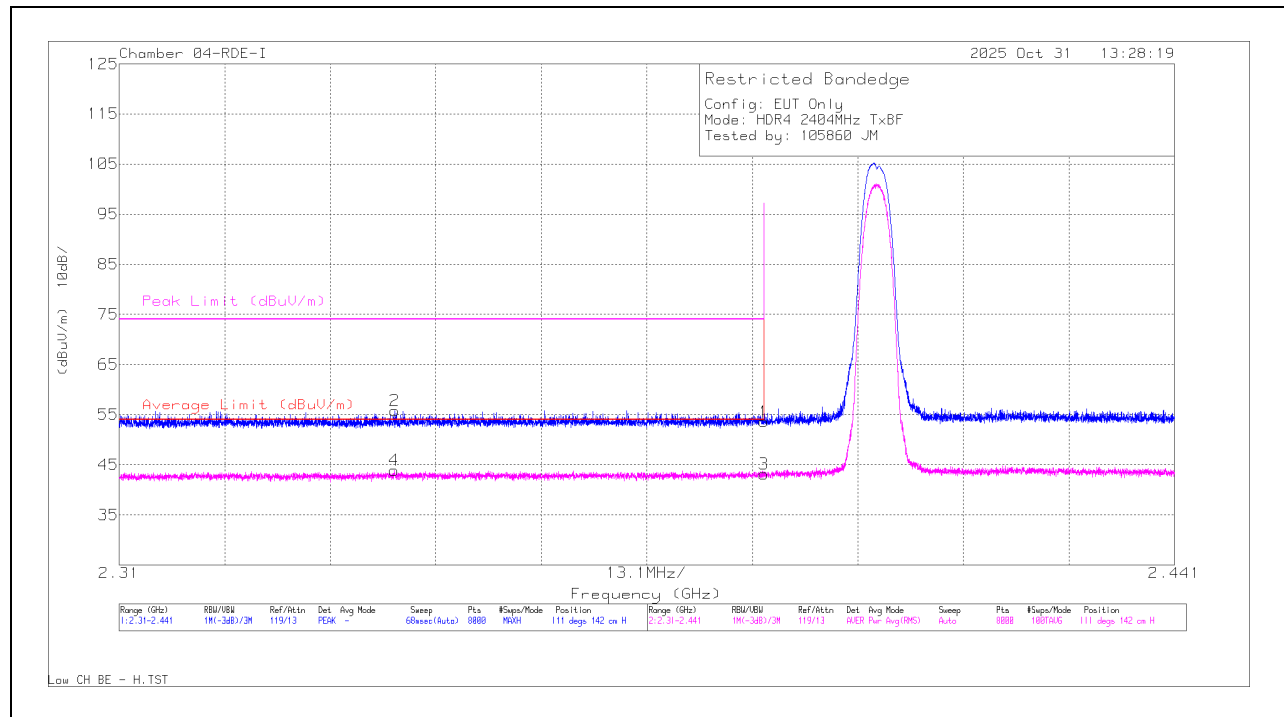
10.1.3. MIMO TXBF MODE – LOW BANDEDGE – HIGH POWER

2.4GHz (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 2.39	41.69	Pk	31.8	-19.9	0	53.59	-	-	74	-20.41	111	142	H
			* 2.344228	43.72	Pk	31.7	-19.6	0	55.82	-	-	74	-18.18	111	142	H
			* 2.39	31.2	RMS	31.8	-19.9	0	43.1	54	-10.9	-	-	111	142	H
			* 2.344162	31.81	RMS	31.7	-19.6	0	43.91	54	-10.09	-	-	111	142	H
			* 2.39	42.61	Pk	31.8	-19.9	0	54.51	-	-	74	-19.49	303	401	V
			* 2.343344	44.79	Pk	31.7	-19.6	0	56.89	-	-	74	-17.11	303	401	V
			* 2.39	31.55	RMS	31.8	-19.9	0	43.45	54	-10.55	-	-	303	401	V
			* 2.388217	32.92	RMS	31.8	-19.8	0	44.92	54	-9.08	-	-	303	401	V
HDR8	2404	4 + 3	* 2.39	42.54	Pk	31.8	-19.9	0	54.44	-	-	74	-19.56	218	171	H
			* 2.352253	45.29	Pk	31.7	-19.7	0	57.29	-	-	74	-16.71	218	171	H
			* 2.39	32.61	RMS	31.8	-19.9	0	44.51	54	-9.49	-	-	218	171	H
			* 2.379144	33.04	RMS	31.7	-19.7	0	45.04	54	-8.96	-	-	218	171	H
			* 2.39	42.81	Pk	31.8	-19.9	0	54.71	-	-	74	-19.29	346	400	V
			* 2.353153	45.05	Pk	31.7	-19.7	0	57.05	-	-	74	-16.95	346	400	V
			* 2.39	32.11	RMS	31.8	-19.9	0	44.01	54	-9.99	-	-	346	400	V
			* 2.317648	33.2	RMS	31.6	-19.7	0	45.1	54	-8.9	-	-	346	400	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 4 + 3**BANDEGE (HDR4 LOW CHANNEL)****HORIZONTAL RESULT****Trace Markers**

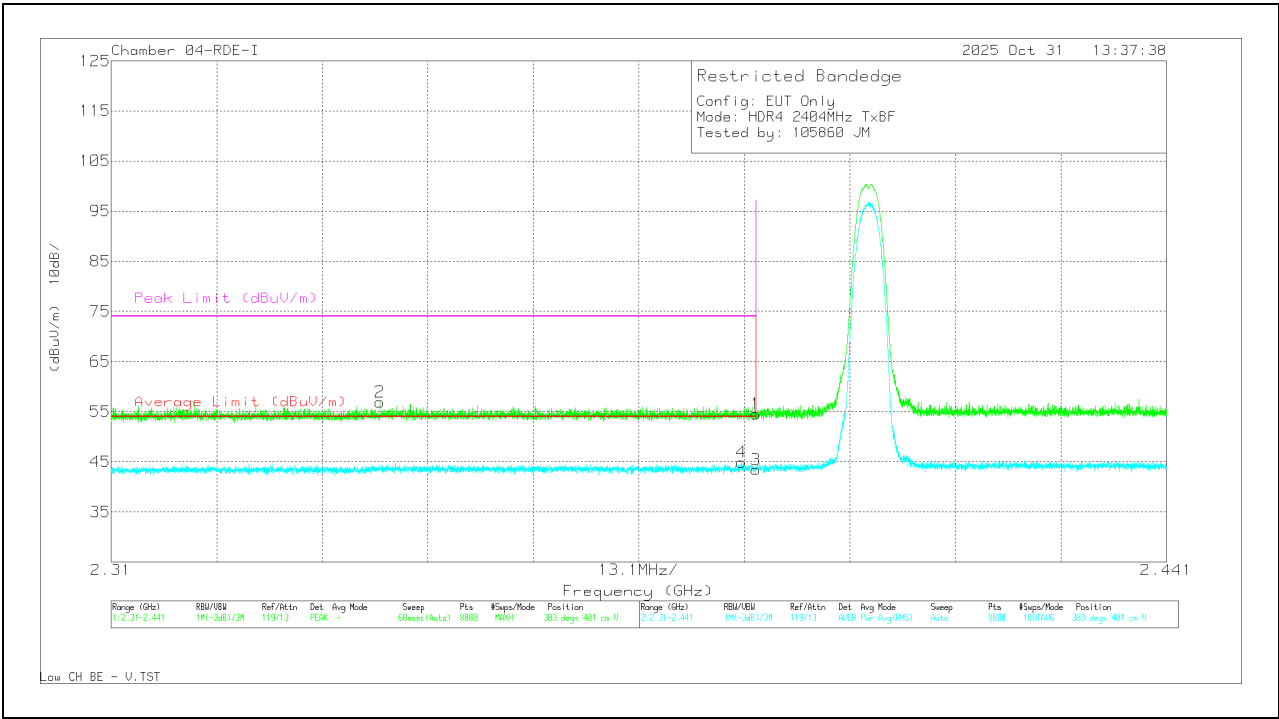
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.69	Pk	31.8	-19.9	53.59	-	-	74	-20.41	111	142	H
2	* 2.344228	43.72	Pk	31.7	-19.6	55.82	-	-	74	-18.18	111	142	H
3	* 2.39	31.2	RMS	31.8	-19.9	43.1	54	-10.9	-	-	111	142	H
4	* 2.344162	31.81	RMS	31.7	-19.6	43.91	54	-10.09	-	-	111	142	H

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

Pk - Peak detector

RMS - RMS detection

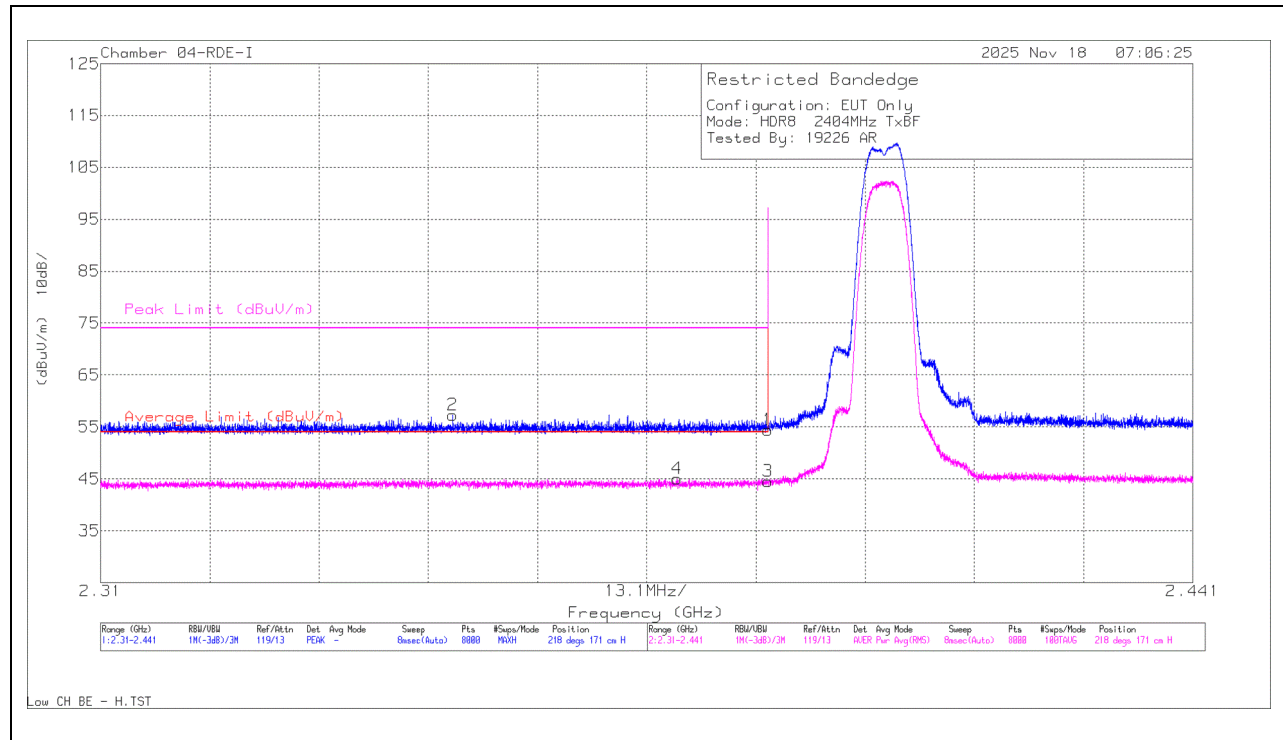
VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (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	42.61	Pk	31.8	-19.9	54.51	-	-	74	-19.49	303	401	V
2	* 2.343344	44.79	Pk	31.7	-19.6	56.89	-	-	74	-17.11	303	401	V
3	* 2.39	31.55	RMS	31.8	-19.9	43.45	54	-10.55	-	-	303	401	V
4	* 2.388217	32.92	RMS	31.8	-19.8	44.92	54	-9.08	-	-	303	401	V

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

BANDEDGE (HDR8 LOW CHANNEL)**HORIZONTAL RESULT****Trace Markers**

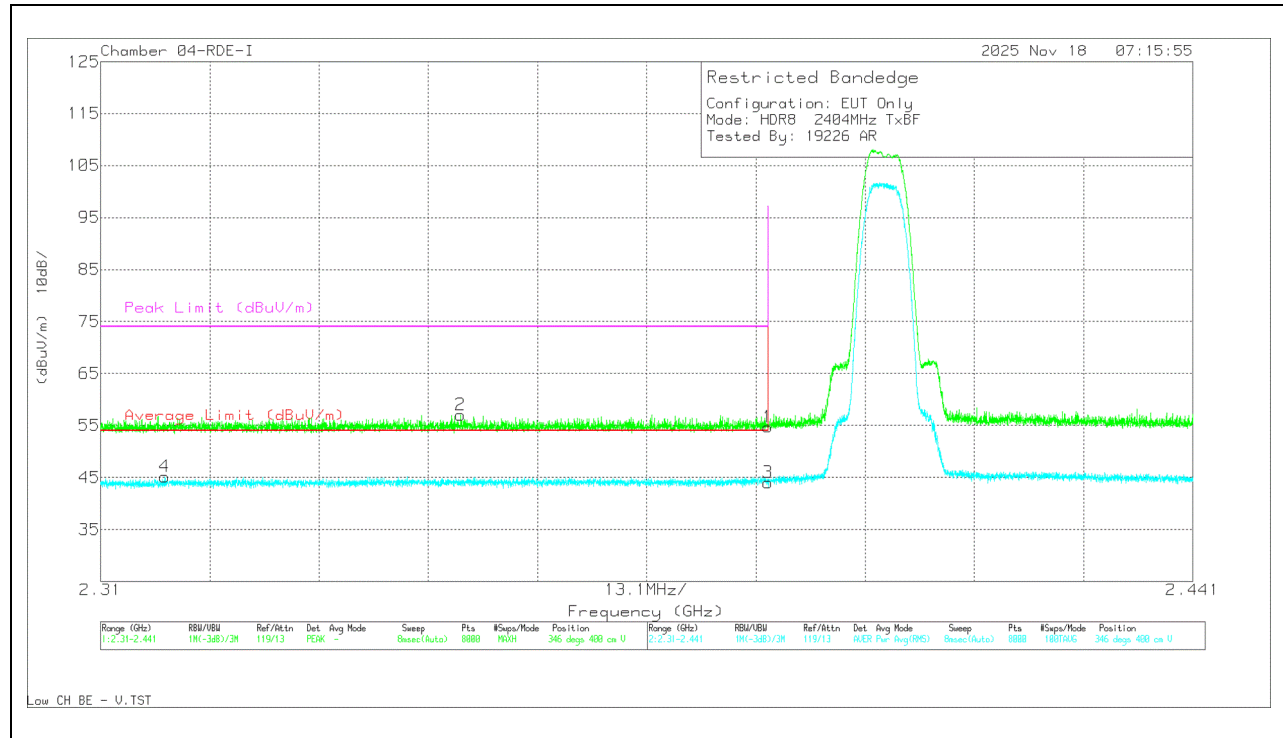
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.54	PK	31.8	-19.9	54.44	-	-	74	-19.56	218	171	H
2	* 2.352253	45.29	PK	31.7	-19.7	57.29	-	-	74	-16.71	218	171	H
3	* 2.39	32.61	RMS	31.8	-19.9	44.51	54	-9.49	-	-	218	171	H
4	* 2.379144	33.04	RMS	31.7	-19.7	45.04	54	-8.96	-	-	218	171	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (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	42.81	Pk	31.8	-19.9	54.71	-	-	74	-19.29	346	400	V
2	* 2.353153	45.05	Pk	31.7	-19.7	57.05	-	-	74	-16.95	346	400	V
3	* 2.39	32.11	RMS	31.8	-19.9	44.01	54	-9.99	-	-	346	400	V
4	* 2.317648	33.2	RMS	31.6	-19.7	45.1	54	-8.9	-	-	346	400	V

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

Pk - Peak detector

RMS - RMS detection

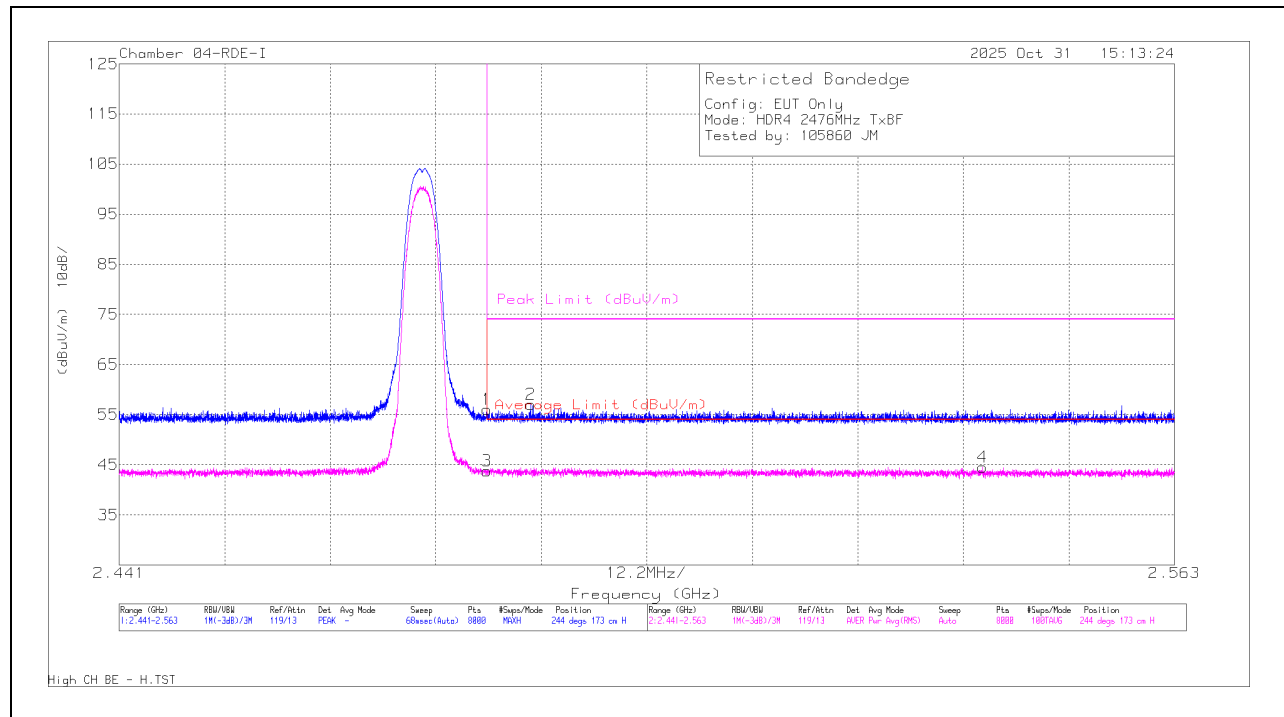
10.1.4. MIMO TXBF MODE – HIGH BANDEDGE – HIGH POWER

2.4GHz (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4 + 3	* 2.4835	44.01	Pk	32.3	-20.3	0	56.01	-	-	74	-17.99	244	173	H
			* 2.488556	44.93	Pk	32.3	-20.2	0	57.03	-	-	74	-16.97	244	173	H
			* 2.4835	31.72	RMS	32.3	-20.3	0	43.72	54	-10.28	-	-	244	173	H
			2.540855	32.61	RMS	32.4	-20.5	0	44.51	54	-9.49	-	-	244	173	H
			* 2.4835	42.03	Pk	32.3	-20.3	0	54.03	-	-	74	-19.97	335	335	V
			* 2.485124	44.51	Pk	32.3	-20.2	0	56.61	-	-	74	-17.39	335	335	V
			* 2.4835	31.46	RMS	32.3	-20.3	0	43.46	54	-10.54	-	-	335	335	V
			2.5454	32.68	RMS	32.4	-20.5	0	44.58	54	-9.42	-	-	335	335	V
HDR8	2476	4 + 3	* 2.4835	43.17	Pk	32.3	-20.3	0	55.17	-	-	74	-18.83	28	159	H
			2.510061	44.73	Pk	32.4	-20.4	0	56.73	-	-	74	-17.27	28	159	H
			* 2.4835	32.62	RMS	32.3	-20.3	0	44.62	54	-9.38	-	-	28	159	H
			* 2.483675	32.82	RMS	32.3	-20.3	0	44.82	54	-9.18	-	-	28	159	H
			* 2.4835	45.99	Pk	32.3	-20.3	0	57.99	-	-	74	-16.01	158	326	V
			* 2.483675	47.1	Pk	32.3	-20.3	0	59.1	-	-	74	-14.9	158	326	V
			* 2.4835	34.28	RMS	32.3	-20.3	0	46.28	54	-7.72	-	-	158	326	V
			* 2.483645	35.17	RMS	32.3	-20.3	0	47.17	54	-6.83	-	-	158	326	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 4 + 3**BANDEDGE (HDR4 HIGH CHANNEL)****HORIZONTAL RESULT****Trace Markers**

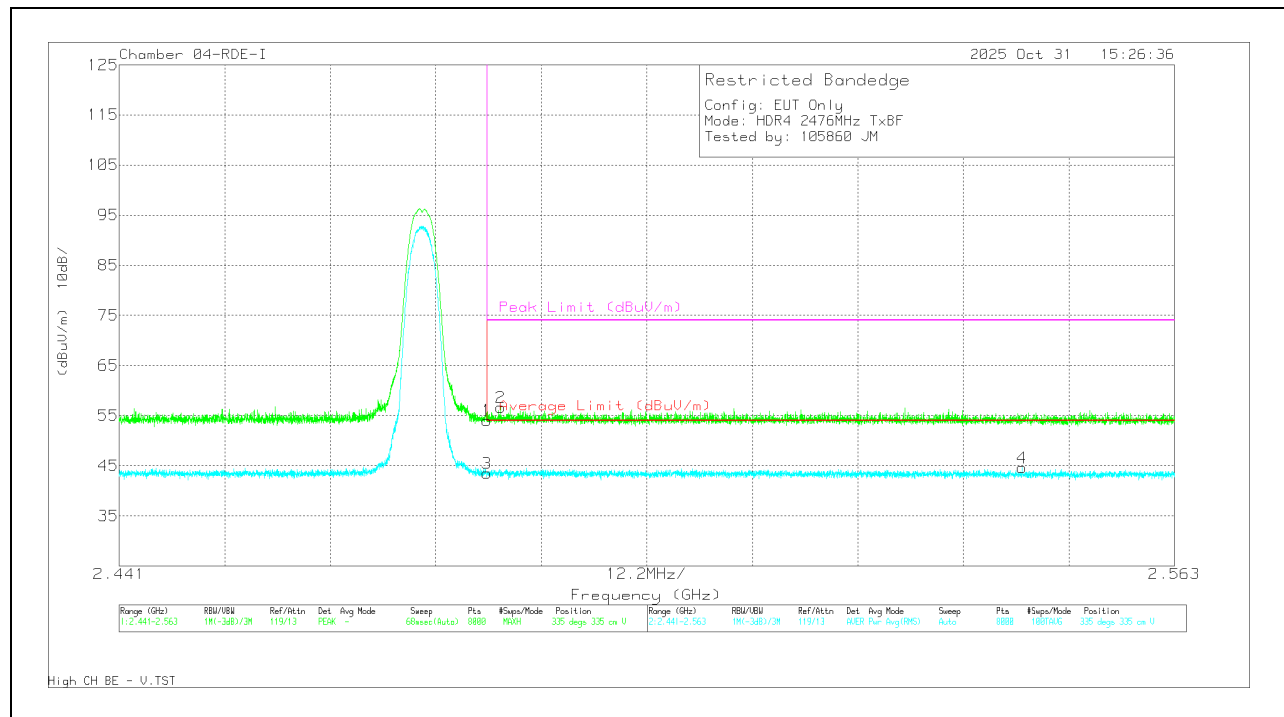
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.01	Pk	32.3	-20.3	56.01	-	-	74	-17.99	244	173	H
2	* 2.488556	44.93	Pk	32.3	-20.2	57.03	-	-	74	-16.97	244	173	H
3	* 2.4835	31.72	RMS	32.3	-20.3	43.72	54	-10.28	-	-	244	173	H
4	2.540855	32.61	RMS	32.4	-20.5	44.51	54	-9.49	-	-	244	173	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



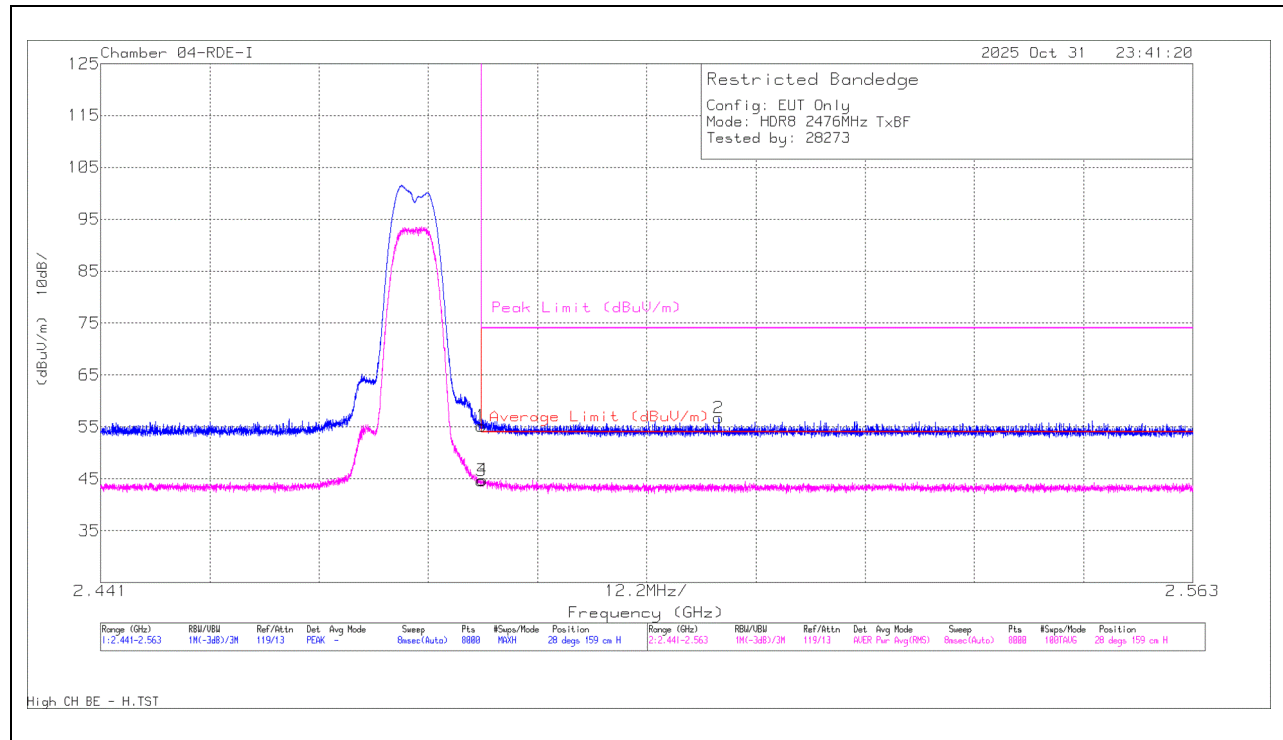
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (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	42.03	PK	32.3	-20.3	54.03	-	-	74	-19.97	335	335	V
2	* 2.485124	44.51	PK	32.3	-20.2	56.61	-	-	74	-17.39	335	335	V
3	* 2.4835	31.46	RMS	32.3	-20.3	43.46	54	-10.54	-	-	335	335	V
4	2.5454	32.68	RMS	32.4	-20.5	44.58	54	-9.42	-	-	335	335	V

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

PK - Peak detector

RMS - RMS detection

BANDEDGE (HDR8 HIGH CHANNEL)**HORIZONTAL RESULT****Trace Markers**

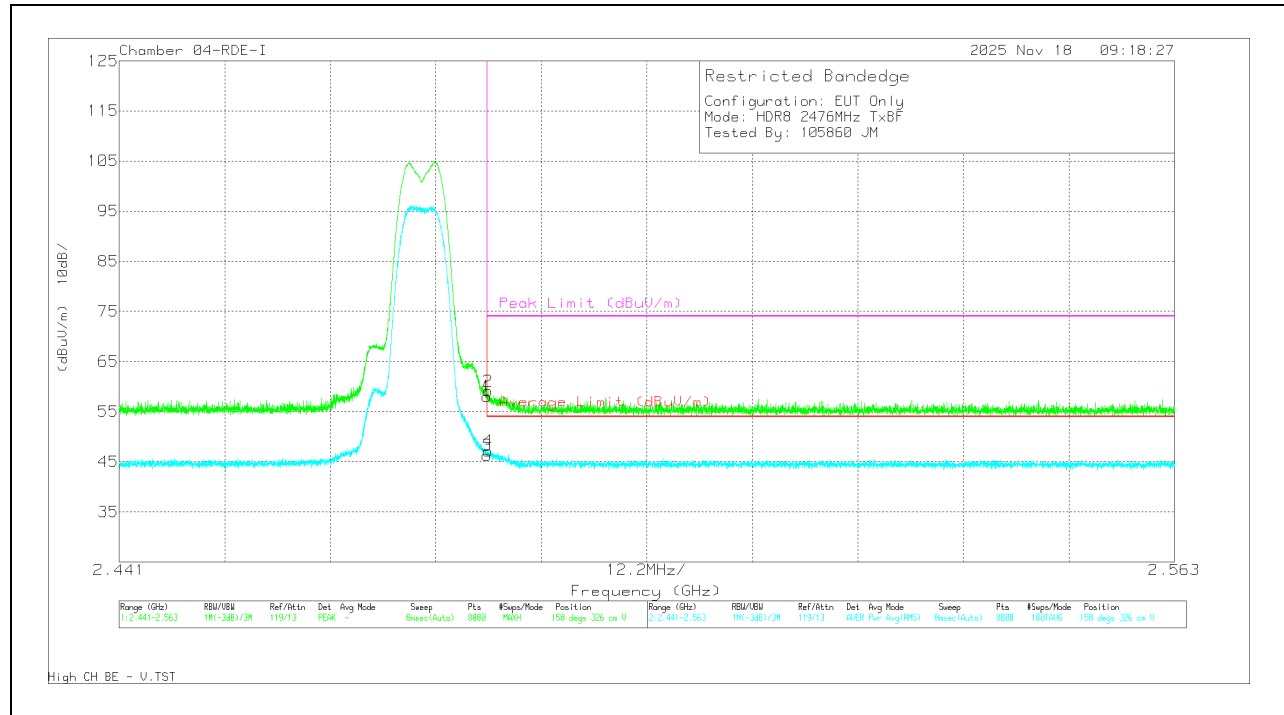
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	43.17	Pk	32.3	-20.3	0	55.17	-	-	74	-18.83	28	159	H
2	2.510061	44.73	Pk	32.4	-20.4	0	56.73	-	-	74	-17.27	28	159	H
3	* 2.4835	32.62	RMS	32.3	-20.3	0	44.62	54	-9.38	-	-	28	159	H
4	* 2.483675	32.82	RMS	32.3	-20.3	0	44.82	54	-9.18	-	-	28	159	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (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	45.99	Pk	32.3	-20.3	57.99	-	-	74	-16.01	158	326	V
2	* 2.483675	47.1	Pk	32.3	-20.3	59.1	-	-	74	-14.9	158	326	V
3	* 2.4835	34.28	RMS	32.3	-20.3	46.28	54	-7.72	-	-	158	326	V
4	* 2.483645	35.17	RMS	32.3	-20.3	47.17	54	-6.83	-	-	158	326	V

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

PK - Peak detector

RMS - RMS detection

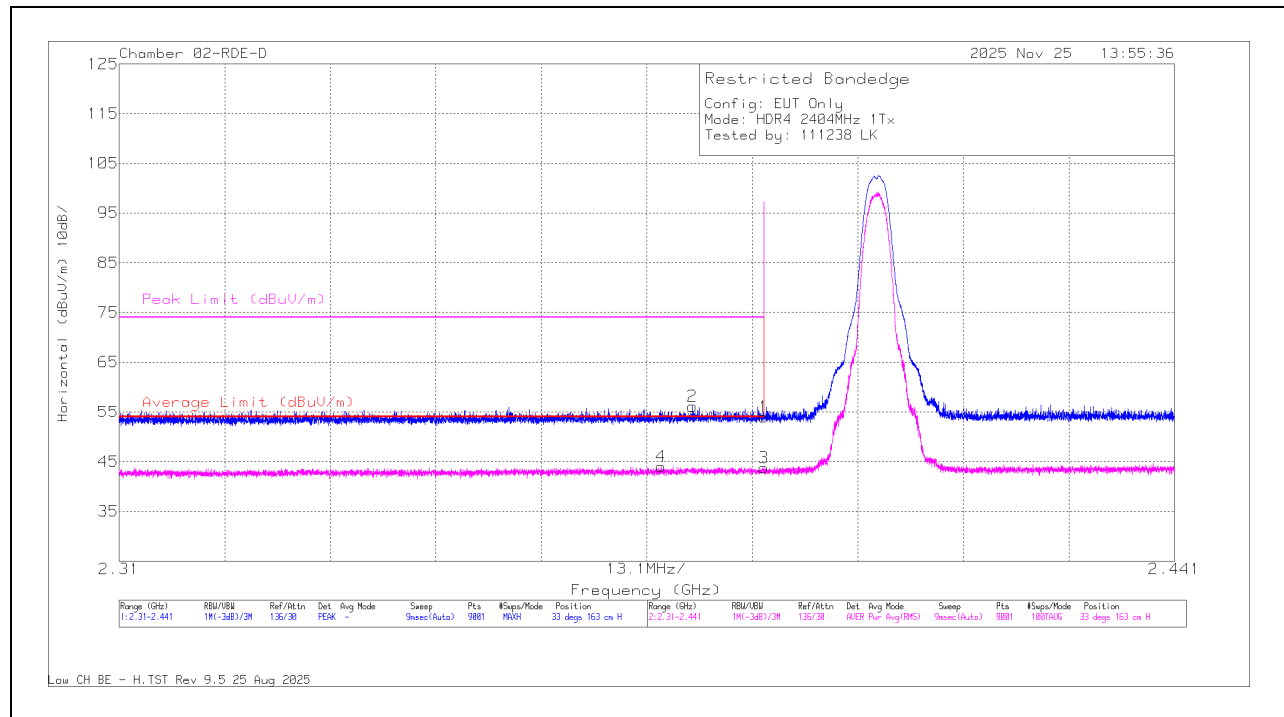
10.1.5. SISO MODE – LOW BANDEDGE – LOW POWER

2.4GHz (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4	* 2.39	60.66	Pk	32.2	-38.9	0	53.96	-	-	74	-20.04	33	163	H
			* 2.381193	62.79	Pk	32.2	-38.9	0	56.09	-	-	74	-17.91	33	163	H
			* 2.39	50.48	RMS	32.2	-38.9	0	43.78	54	-10.22	-	-	33	163	H
			* 2.377307	50.95	RMS	32.1	-39	0	44.05	54	-9.95	-	-	33	163	H
			* 2.39	59.86	Pk	32.2	-38.9	0	53.16	-	-	74	-20.84	272	348	V
			* 2.350349	63.57	Pk	32	-39.1	0	56.47	-	-	74	-17.53	272	348	V
			* 2.39	50.11	RMS	32.2	-38.9	0	43.41	54	-10.59	-	-	272	348	V
			* 2.358864	51.15	RMS	32.1	-39	0	44.25	54	-9.75	-	-	272	348	V
		3	* 2.39	57.56	Pk	32.2	-39	0	50.76	-	-	74	-23.24	163	122	H
			* 2.330611	60.48	Pk	32	-39.16	0	53.32	-	-	74	-20.68	163	122	H
			* 2.39	46.63	RMS	32.2	-39	0	39.83	54	-14.17	-	-	163	122	H
			* 2.349883	47.98	RMS	32.1	-39.06	0	41.02	54	-12.98	-	-	163	122	H
			* 2.39	58.48	Pk	32.2	-39	0	51.68	-	-	74	-22.32	107	352	V
			* 2.326084	60.13	Pk	32	-38.93	0	53.2	-	-	74	-20.8	107	352	V
			* 2.39	46.55	RMS	32.2	-39	0	39.75	54	-14.25	-	-	107	352	V
			* 2.385779	47.45	RMS	32.1	-38.6	0	40.95	54	-13.05	-	-	107	352	V
HDR8	2404	4	* 2.39	41.77	Pk	31.8	-19.9	0	53.67	-	-	74	-20.33	219	115	H
			* 2.386677	43.91	Pk	31.8	-19.8	0	55.91	-	-	74	-18.09	219	115	H
			* 2.39	30.98	RMS	31.8	-19.9	0	42.88	54	-11.12	-	-	219	115	H
			* 2.378374	31.84	RMS	31.7	-19.7	0	43.84	54	-10.16	-	-	219	115	H
			* 2.39	42.18	Pk	31.8	-19.9	0	54.08	-	-	74	-19.92	182	399	V
			* 2.377244	44.94	Pk	31.7	-19.8	0	56.84	-	-	74	-17.16	182	399	V
			* 2.39	31.09	RMS	31.8	-19.9	0	42.99	54	-11.01	-	-	182	399	V
			* 2.370202	32.21	RMS	31.7	-19.7	0	44.21	54	-9.79	-	-	182	399	V
		3	* 2.39	61.83	Pk	32.2	-38.9	0	55.13	-	-	74	-18.87	290	101	H
			* 2.385589	62.71	Pk	32.2	-38.9	0	56.01	-	-	74	-17.99	290	101	H
			* 2.39	49.86	RMS	32.2	-38.9	0.19	43.16	54	-10.84	-	-	290	101	H
			* 2.385808	50.62	RMS	32.2	-38.9	0.19	43.92	54	-10.08	-	-	290	101	H
			* 2.39	60.77	Pk	32.2	-38.9	0	54.07	-	-	74	-19.93	246	396	V
			* 2.372722	63.44	Pk	32.1	-39	0	56.54	-	-	74	-17.46	246	396	V
			* 2.39	49.54	RMS	32.2	-38.9	0.19	43.03	54	-10.97	-	-	246	396	V
			* 2.383202	50.72	RMS	32.2	-38.9	0.19	44.21	54	-9.79	-	-	246	396	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 4**BANDEGE (HDR4 LOW CHANNEL)****HORIZONTAL RESULT****Trace Markers**

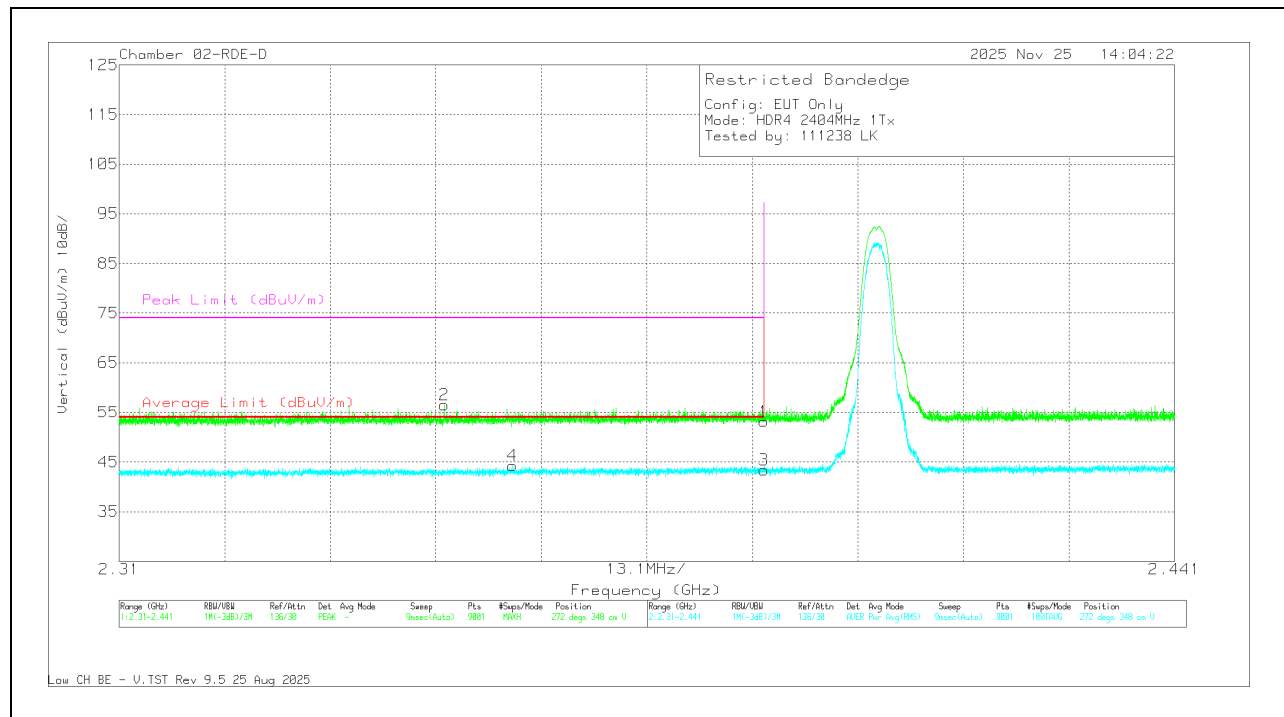
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226674 ACF (dB/m)	Amp/Cbt (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.66	Pk	32.2	-38.9	0	53.96	-	-	74	-20.04	33	163	H
2	* 2.381193	62.79	Pk	32.2	-38.9	0	56.09	-	-	74	-17.91	33	163	H
3	* 2.39	50.48	RMS	32.2	-38.9	0	43.78	54	-10.22	-	-	33	163	H
4	* 2.377307	50.95	RMS	32.1	-39	0	44.05	54	-9.95	-	-	33	163	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



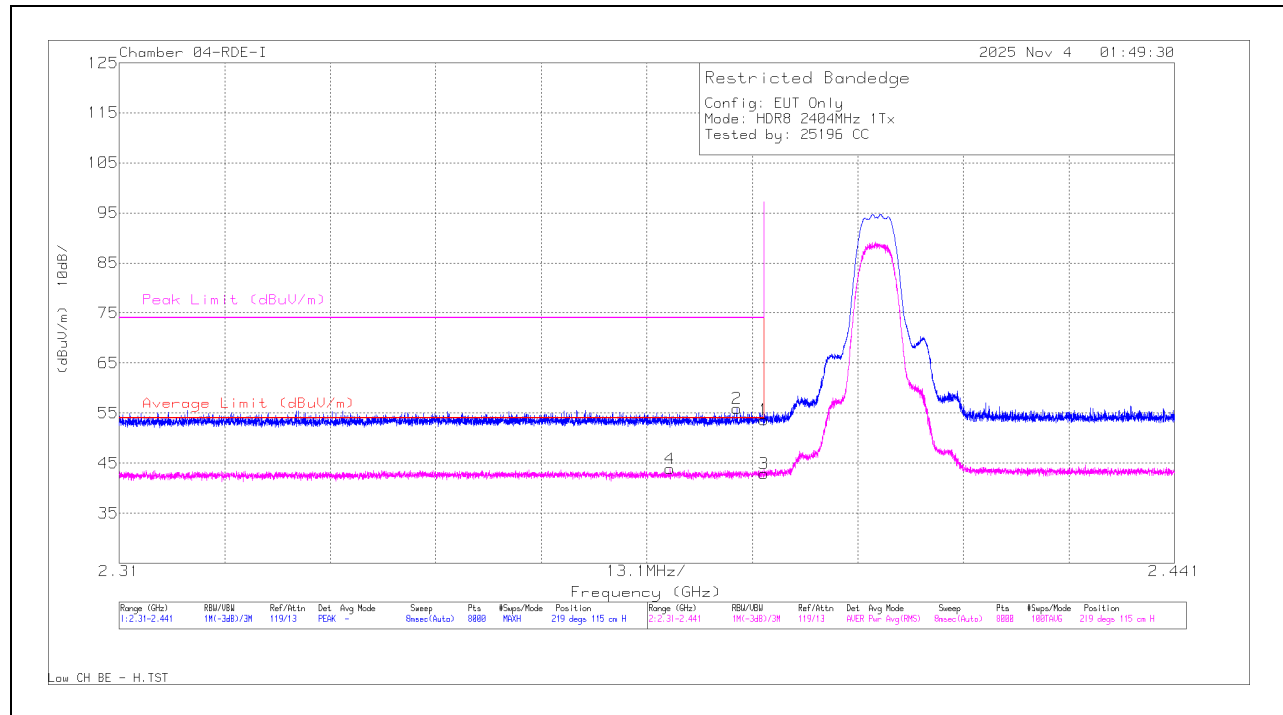
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226574 ACF (dB/m)	Amp/Cbl (dB)	DCCF (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	59.86	Pk	32.2	-38.9	0	53.16	-	-	74	-20.84	272	348	V
2	* 2.350349	63.57	Pk	32	-39.1	0	56.47	-	-	74	-17.53	272	348	V
3	* 2.39	50.11	RMS	32.2	-38.9	0	43.41	54	-10.59	-	-	272	348	V
4	* 2.358864	51.15	RMS	32.1	-39	0	44.25	54	-9.75	-	-	272	348	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HDR8 LOW CHANNEL)**HORIZONTAL RESULT****Trace Markers**

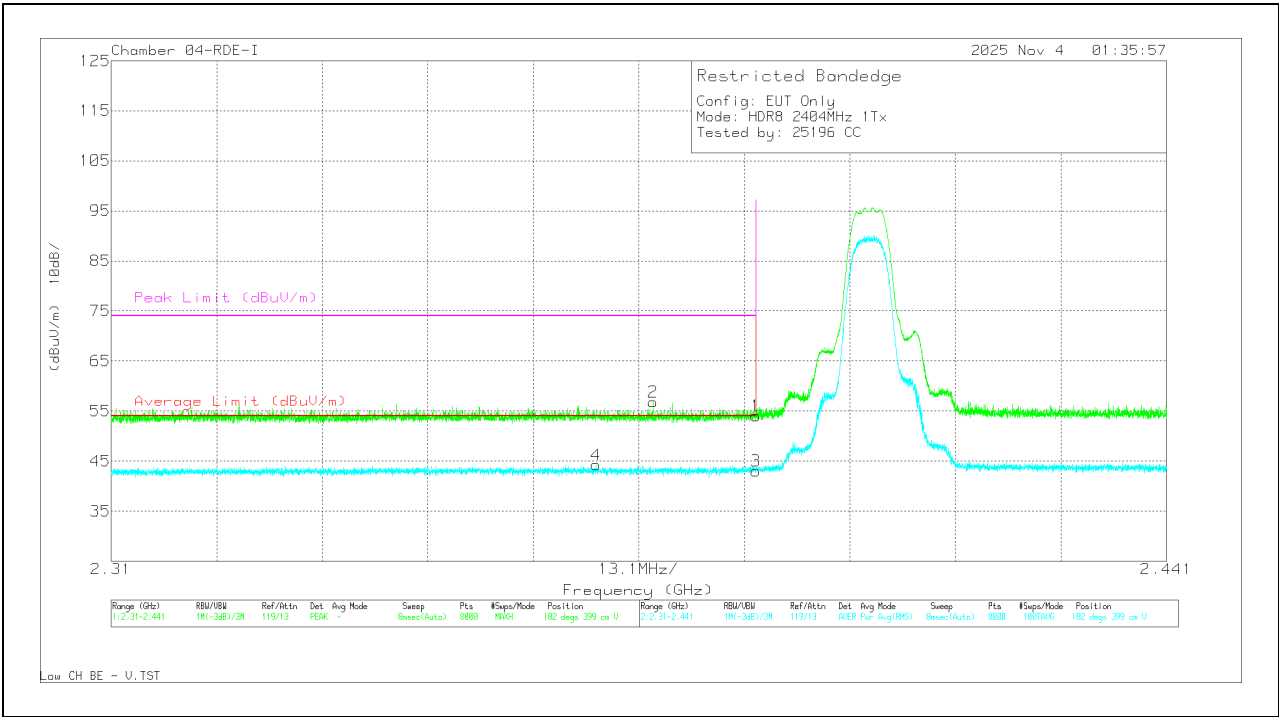
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.77	Pk	31.8	-19.9	53.67	-	-	74	-20.33	219	115	H
2	* 2.386677	43.91	Pk	31.8	-19.8	55.91	-	-	74	-18.09	219	115	H
3	* 2.39	30.98	RMS	31.8	-19.9	42.88	54	-11.12	-	-	219	115	H
4	* 2.378374	31.84	RMS	31.7	-19.7	43.84	54	-10.16	-	-	219	115	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (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	42.18	Pk	31.8	-19.9	54.08	-	-	74	-19.92	182	399	V
2	* 2.377244	44.94	Pk	31.7	-19.8	56.84	-	-	74	-17.16	182	399	V
3	* 2.39	31.09	RMS	31.8	-19.9	42.99	54	-11.01	-	-	182	399	V
4	* 2.370202	32.21	RMS	31.7	-19.7	44.21	54	-9.79	-	-	182	399	V

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

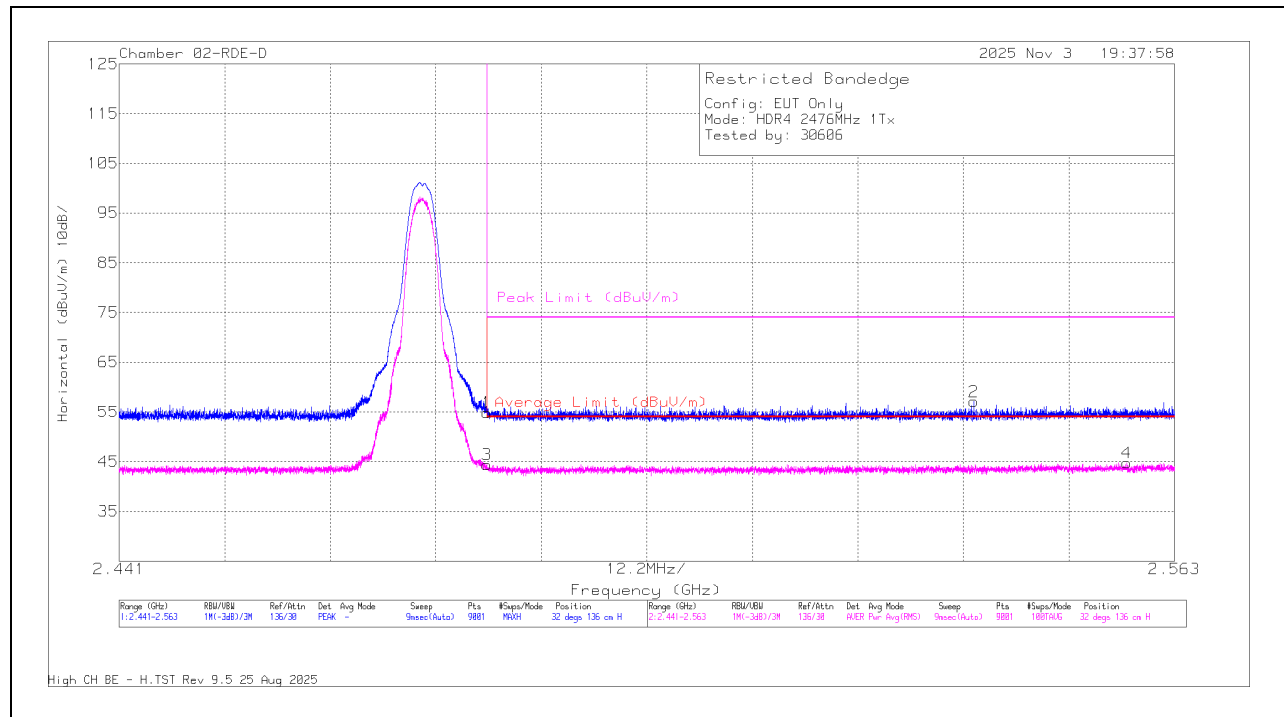
10.1.6. SISO MODE – HIGH BANDEDGE – LOW POWER

2.4GHz (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4	* 2.4835	61.42	Pk	32.2	-38.7	0	54.92	-	-	74	-19.08	32	136	H
			2.539796	63.28	Pk	32.3	-38.5	0	57.08	-	-	74	-16.92	32	136	H
			* 2.4835	50.93	RMS	32.2	-38.7	0	44.43	54	-9.57	-	-	32	136	H
			2.557514	50.83	RMS	32.4	-38.5	0	44.73	54	-9.27	-	-	32	136	H
			* 2.4835	60.99	Pk	32.2	-38.7	0	54.49	-	-	74	-19.51	355	370	V
			2.513809	63.14	Pk	32.2	-38.5	0	56.84	-	-	74	-17.16	355	370	V
			* 2.4835	50.11	RMS	32.2	-38.7	0	43.61	54	-10.39	-	-	355	370	V
			2.556714	50.79	RMS	32.4	-38.4	0	44.79	54	-9.21	-	-	355	370	V
		3	* 2.4835	60.93	Pk	32.2	-38.7	0	54.43	-	-	74	-19.57	204	134	H
			2.528531	63.11	Pk	32.3	-38.5	0	56.91	-	-	74	-17.09	204	134	H
			* 2.4835	50.05	RMS	32.2	-38.7	0	43.55	54	-10.45	-	-	204	134	H
			2.560686	50.75	RMS	32.4	-38.4	0	44.75	54	-9.25	-	-	204	134	H
			* 2.4835	60.93	Pk	32.2	-38.7	0	54.43	-	-	74	-19.57	229	367	V
			2.537437	63.27	Pk	32.3	-38.5	0	57.07	-	-	74	-16.93	229	367	V
			* 2.4835	49.89	RMS	32.2	-38.7	0	43.39	54	-10.61	-	-	229	367	V
			2.562733	50.77	RMS	32.4	-38.4	0	44.77	54	-9.23	-	-	229	367	V
HDR8	2476	4	* 2.4835	60.92	Pk	32.4	-36.91	0	56.41	-	-	74	-17.59	249	215	H
			2.504266	62.23	Pk	32.5	-36.95	0	57.78	-	-	74	-16.22	249	215	H
			* 2.4835	50.21	RMS	32.4	-36.91	0	45.7	54	-8.3	-	-	249	215	H
			* 2.483918	50.64	RMS	32.4	-36.9	0	46.14	54	-7.86	-	-	249	215	H
			* 2.4835	62.71	Pk	32.4	-36.91	0	58.2	-	-	74	-15.8	222	376	V
			* 2.483539	63.56	Pk	32.4	-36.9	0	59.06	-	-	74	-14.94	222	376	V
			* 2.4835	50.95	RMS	32.4	-36.91	0	46.44	54	-7.56	-	-	222	376	V
			* 2.483701	51.49	RMS	32.4	-36.9	0	46.99	54	-7.01	-	-	222	376	V
		3	* 2.4835	62.69	Pk	32.2	-38.7	0	56.19	-	-	74	-17.81	293	134	H
			* 2.483539	63.41	Pk	32.2	-38.7	0	56.91	-	-	74	-17.09	293	134	H
			* 2.4835	50.82	RMS	32.2	-38.7	0	44.32	54	-9.68	-	-	293	134	H
			* 2.483756	51.96	RMS	32.2	-38.7	0	45.46	54	-8.54	-	-	293	134	H
			* 2.4835	60.94	Pk	32.2	-38.7	0	54.44	-	-	74	-19.56	327	369	V
			2.519096	62.84	Pk	32.2	-38.5	0	56.54	-	-	74	-17.46	327	369	V
			* 2.4835	49.41	RMS	32.2	-38.7	0	42.91	54	-11.09	-	-	327	369	V
			2.561892	50.82	RMS	32.4	-38.4	0	44.82	54	-9.18	-	-	327	369	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 4**BANDEDGE (HDR4 HIGH CHANNEL)****HORIZONTAL RESULT****Trace Markers**

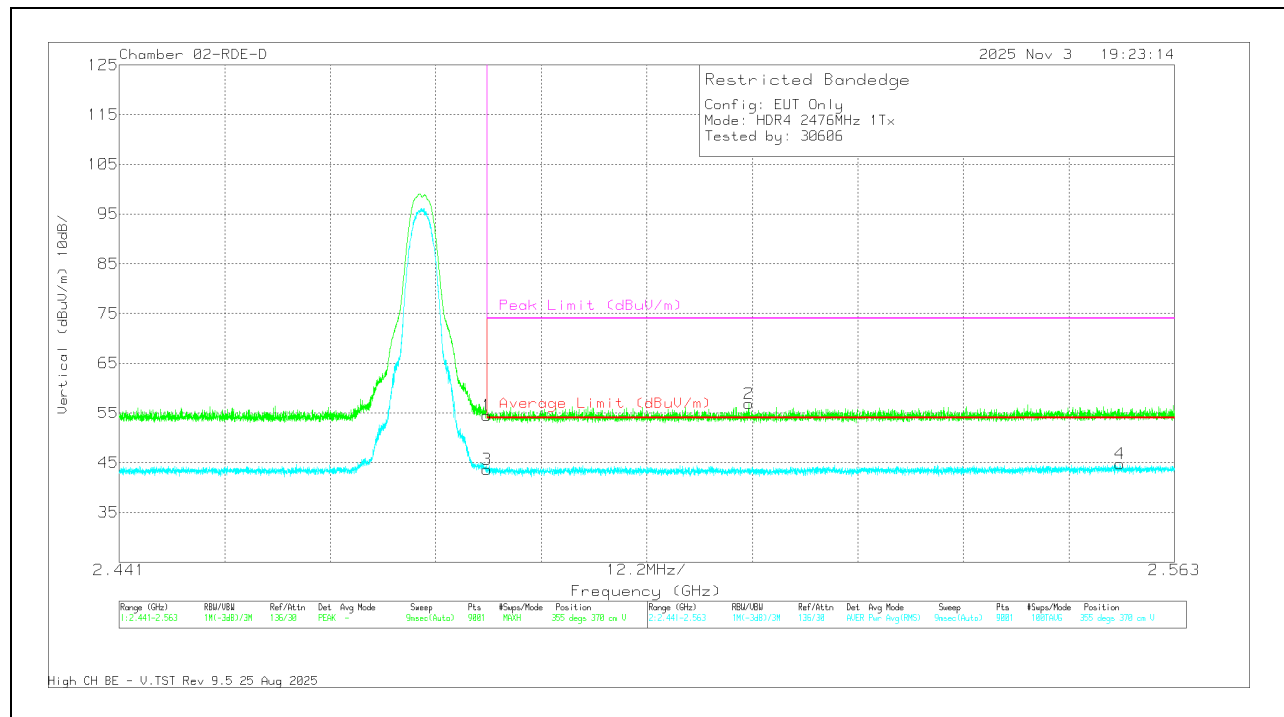
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	226674 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.42	Pk	32.2	-38.7	54.92	-	-	74	-19.08	32	136	H
2	2.539796	63.28	Pk	32.3	-38.5	57.08	-	-	74	-16.92	32	136	H
3	* 2.4835	50.93	RMS	32.2	-38.7	44.43	54	-9.57	-	-	32	136	H
4	2.557514	50.83	RMS	32.4	-38.5	44.73	54	-9.27	-	-	32	136	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



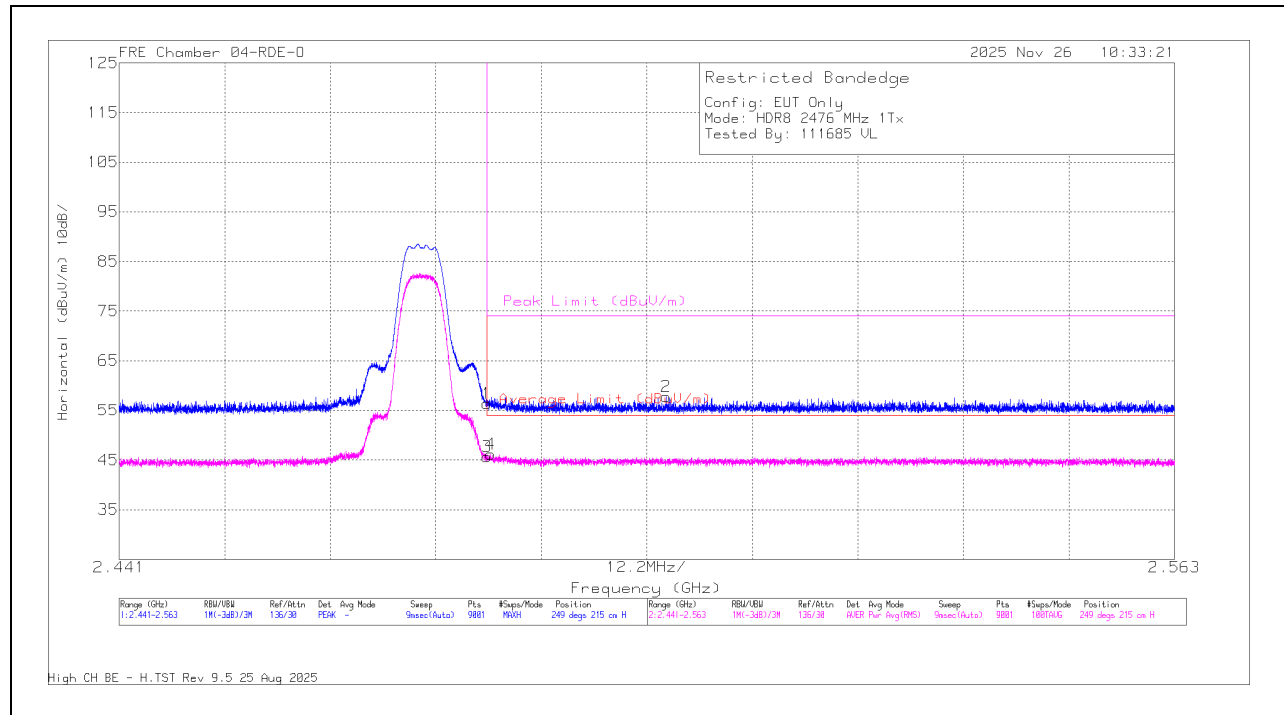
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226674 ACF (dB/m)	Amp/Cbl (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	60.99	Pk	32.2	-38.7	54.49	-	-	74	-19.51	355	370	V
2	2.513809	63.14	Pk	32.2	-38.5	56.84	-	-	74	-17.16	355	370	V
3	* 2.4835	50.11	RMS	32.2	-38.7	43.61	54	-10.39	-	-	355	370	V
4	2.556714	50.79	RMS	32.4	-38.4	44.79	54	-9.21	-	-	355	370	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HDR8 HIGH CHANNEL)**HORIZONTAL RESULT****Trace Markers**

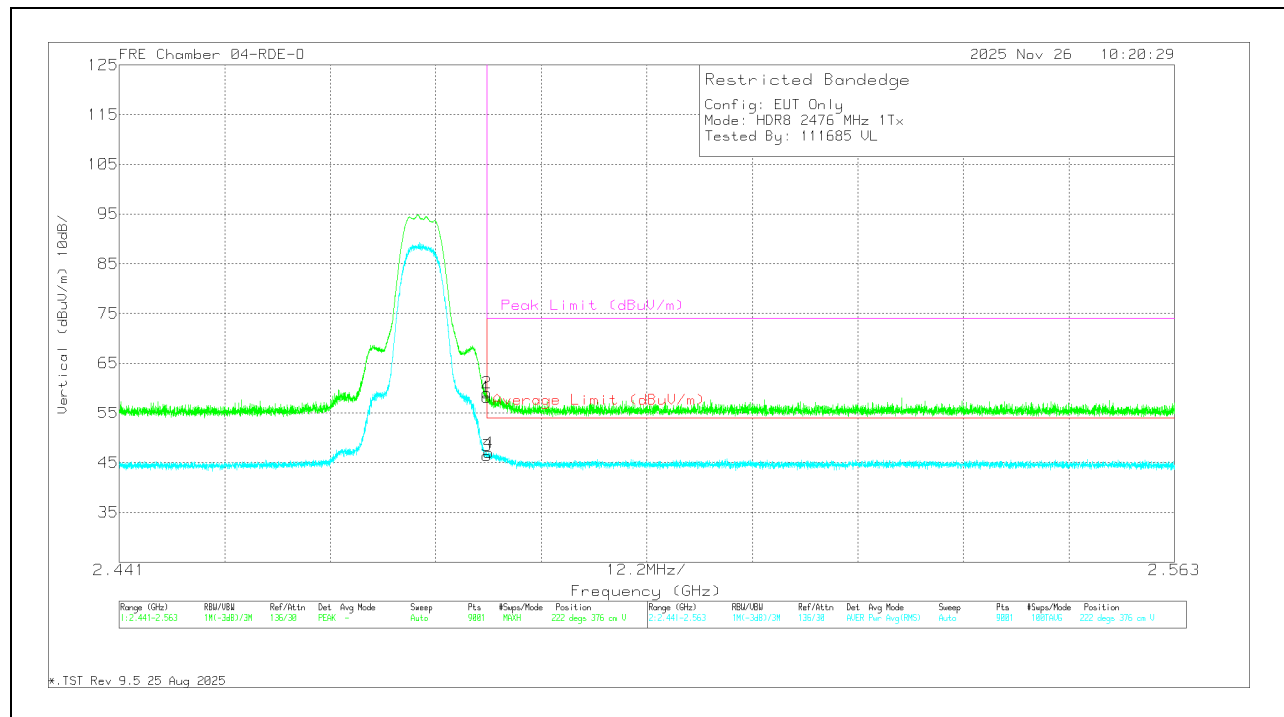
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200896 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.4835	60.92	PK	32.4	0	-36.91	56.41	-	-	74	-17.59	249	215	H
2	2.504266	62.23	PK	32.5	0	-36.95	57.78	-	-	74	-16.22	249	215	H
3	* 2.4835	50.21	RMS	32.4	0	-36.91	45.7	54	-8.3	-	-	249	215	H
4	* 2.483918	50.64	RMS	32.4	0	-36.9	46.14	54	-7.86	-	-	249	215	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200896 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	*2.4835	62.71	PK	32.4	0	-36.91	58.2	-	-	74	-15.8	222	376	V
2	*2.483539	63.56	PK	32.4	0	-36.9	59.06	-	-	74	-14.94	222	376	V
3	*2.4835	50.95	RMS	32.4	0	-36.91	46.44	54	-7.56	-	-	222	376	V
4	*2.483701	51.49	RMS	32.4	0	-36.9	46.99	54	-7.01	-	-	222	376	V

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

PK - Peak detector

RMS - RMS detection

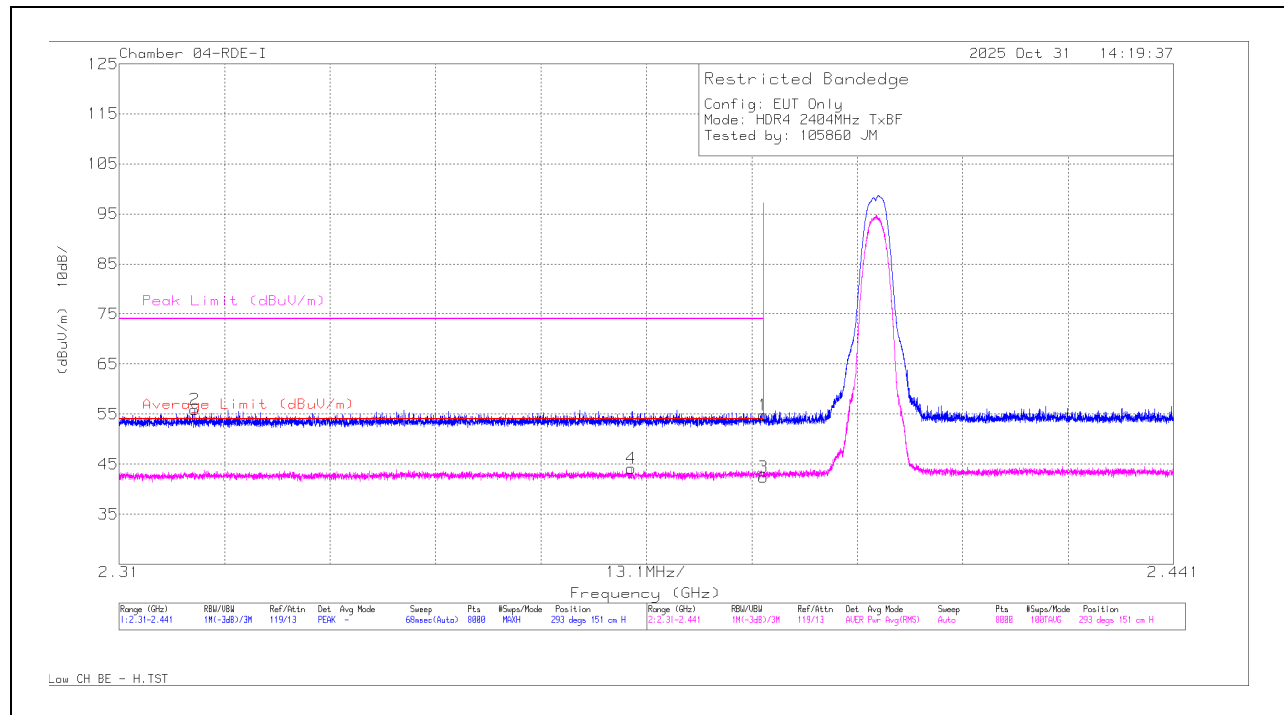
10.1.7. MIMO TXBF MODE – LOW BANDEDGE – LOW POWER

2.4GHz (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 2.39	42.86	Pk	31.8	-19.9	0	54.76	-	-	74	-19.24	293	151	H
			* 2.319417	44.02	Pk	31.6	-19.7	0	55.92	-	-	74	-18.08	293	151	H
			* 2.39	30.44	RMS	31.8	-19.9	0	42.34	54	-11.66	-	-	293	151	H
			* 2.373608	32.27	RMS	31.7	-19.8	0	44.17	54	-9.83	-	-	293	151	H
			* 2.39	43.1	Pk	31.8	-19.9	0	55	-	-	74	-19	308	401	V
			* 2.355332	44.84	Pk	31.7	-19.7	0	56.84	-	-	74	-17.16	308	401	V
			* 2.39	31.99	RMS	31.8	-19.9	0	43.89	54	-10.11	-	-	308	401	V
			* 2.348437	32.54	RMS	31.7	-19.7	0	44.54	54	-9.46	-	-	308	401	V
HDR8	2404	4 + 3	2.39	60.81	Pk	32	-39.79	0	53.02	-	-	74	-20.98	90	119	H
			2.383901	63.01	Pk	32	-39.75	0	55.26	-	-	74	-18.74	90	119	H
			2.39	50.35	RMS	32	-39.79	0	42.56	54	-11.44	-	-	90	119	H
			2.38968	51.02	RMS	32	-39.78	0	43.24	54	-10.76	-	-	90	119	H
			2.39	60.64	Pk	32	-39.79	0	52.85	-	-	74	-21.15	32	292	V
			2.361135	62.83	Pk	32	-39.8	0	55.03	-	-	74	-18.97	32	292	V
			2.39	49.5	RMS	32	-39.79	0	41.71	54	-12.29	-	-	32	292	V
			2.381572	50.95	RMS	32	-39.76	0	43.19	54	-10.81	-	-	32	292	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 4 + 3**BANDEDGE (HDR4 LOW CHANNEL)****HORIZONTAL RESULT****Trace Markers**

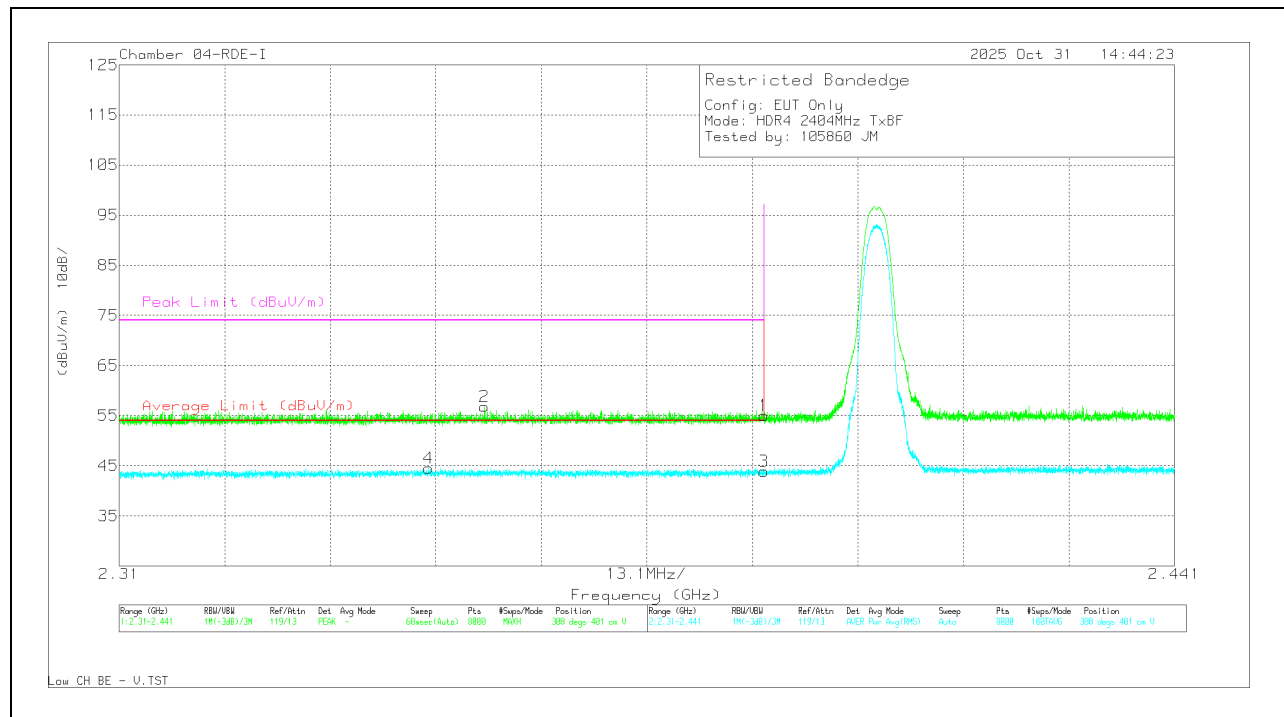
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.86	Pk	31.8	-19.9	54.76	-	-	74	-19.24	293	151	H
2	* 2.319417	44.02	Pk	31.6	-19.7	55.92	-	-	74	-18.08	293	151	H
3	* 2.39	30.44	RMS	31.8	-19.9	42.34	54	-11.66	-	-	293	151	H
4	* 2.373608	32.27	RMS	31.7	-19.8	44.17	54	-9.83	-	-	293	151	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



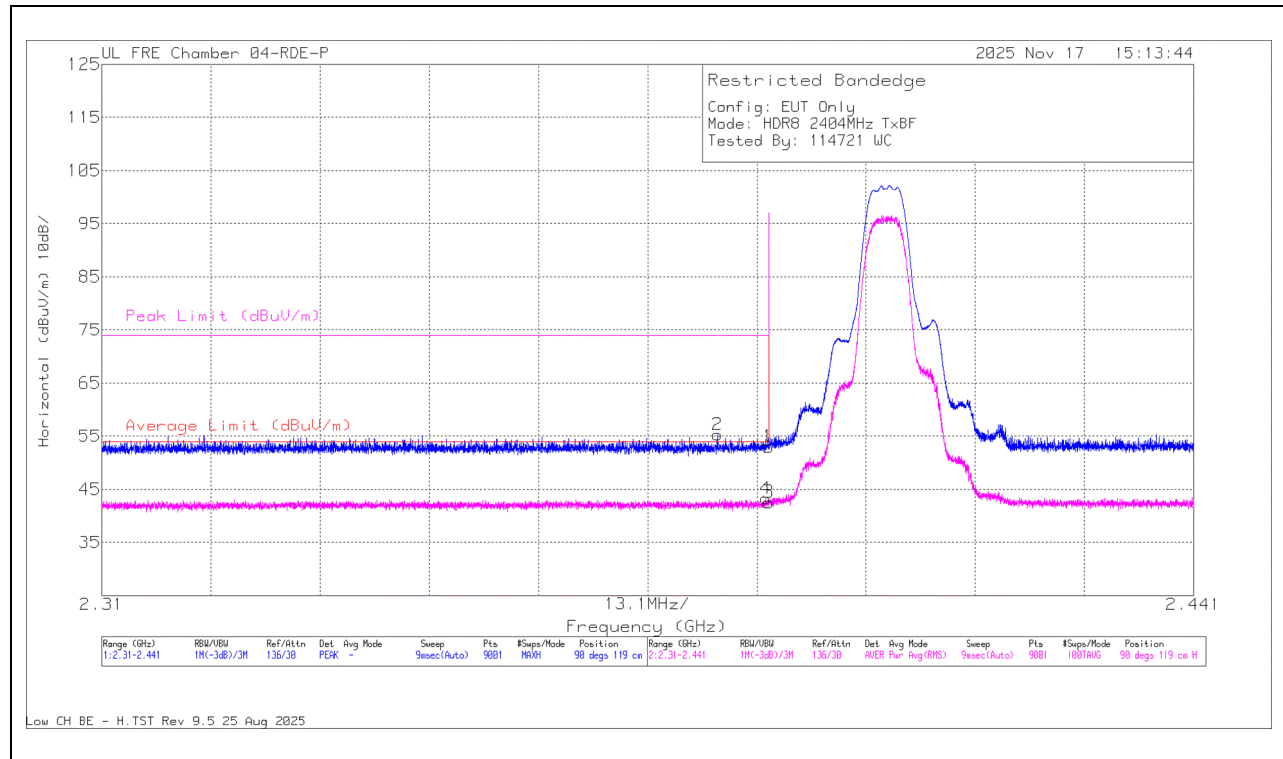
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (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	43.1	PK	31.8	-19.9	55	-	-	74	-19	308	401	V
2	* 2.355332	44.84	PK	31.7	-19.7	56.84	-	-	74	-17.16	308	401	V
3	* 2.39	31.99	RMS	31.8	-19.9	43.89	54	-10.11	-	-	308	401	V
4	* 2.348437	32.54	RMS	31.7	-19.7	44.54	54	-9.46	-	-	308	401	V

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

PK - Peak detector

RMS - RMS detection

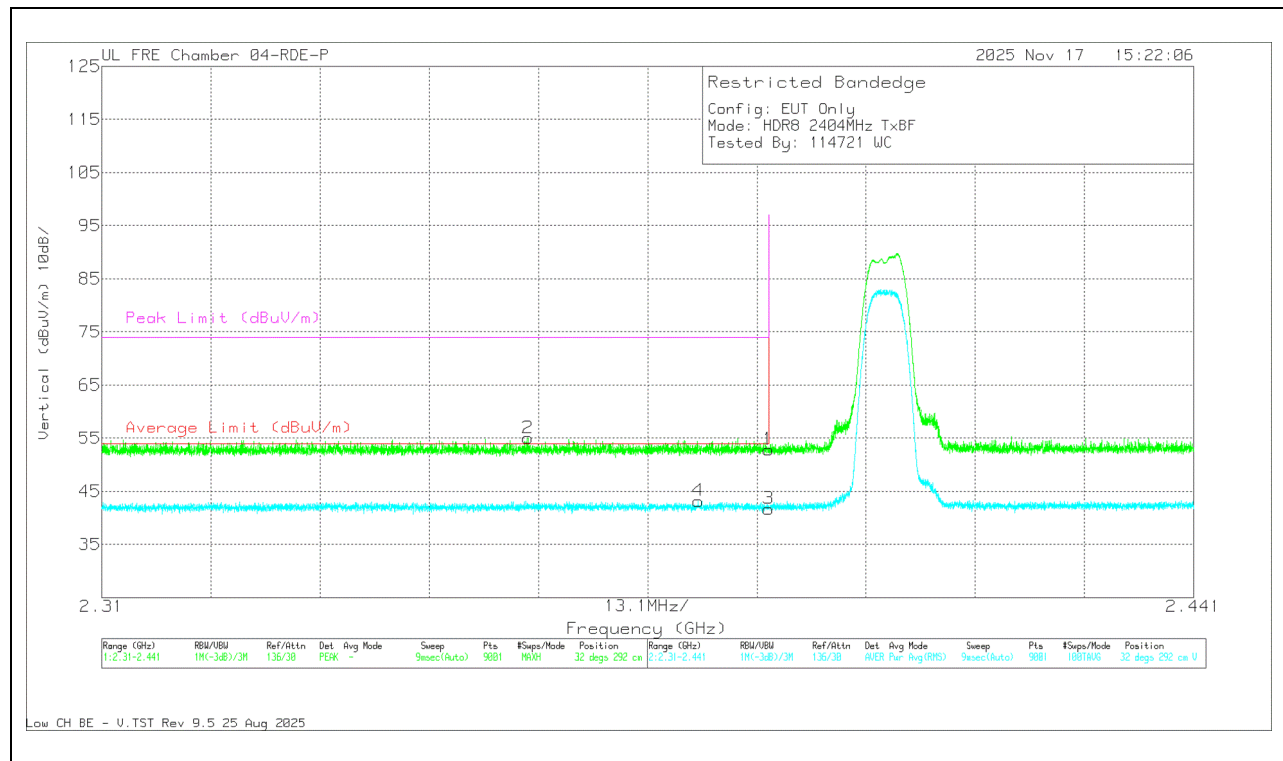
BANEDGE (HDR8 LOW CHANNEL)**HORIZONTAL RESULT****Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	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	60.81	Pk	32	-39.79	53.02	-	-	74	-20.98	90	119	H
2	2.383901	63.01	Pk	32	-39.75	55.26	-	-	74	-18.74	90	119	H
3	2.39	50.35	RMS	32	-39.79	42.56	54	-11.44	-	-	90	119	H
4	2.38968	51.02	RMS	32	-39.78	43.24	54	-10.76	-	-	90	119	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	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	60.64	Pk	32	-39.79	52.85	-	-	74	-21.15	32	292	V
2	2.361135	62.83	Pk	32	-39.8	55.03	-	-	74	-18.97	32	292	V
3	2.39	49.5	RMS	32	-39.79	41.71	54	-12.29	-	-	32	292	V
4	2.381572	50.95	RMS	32	-39.76	43.19	54	-10.81	-	-	32	292	V

Pk - Peak detector

RMS - RMS detection

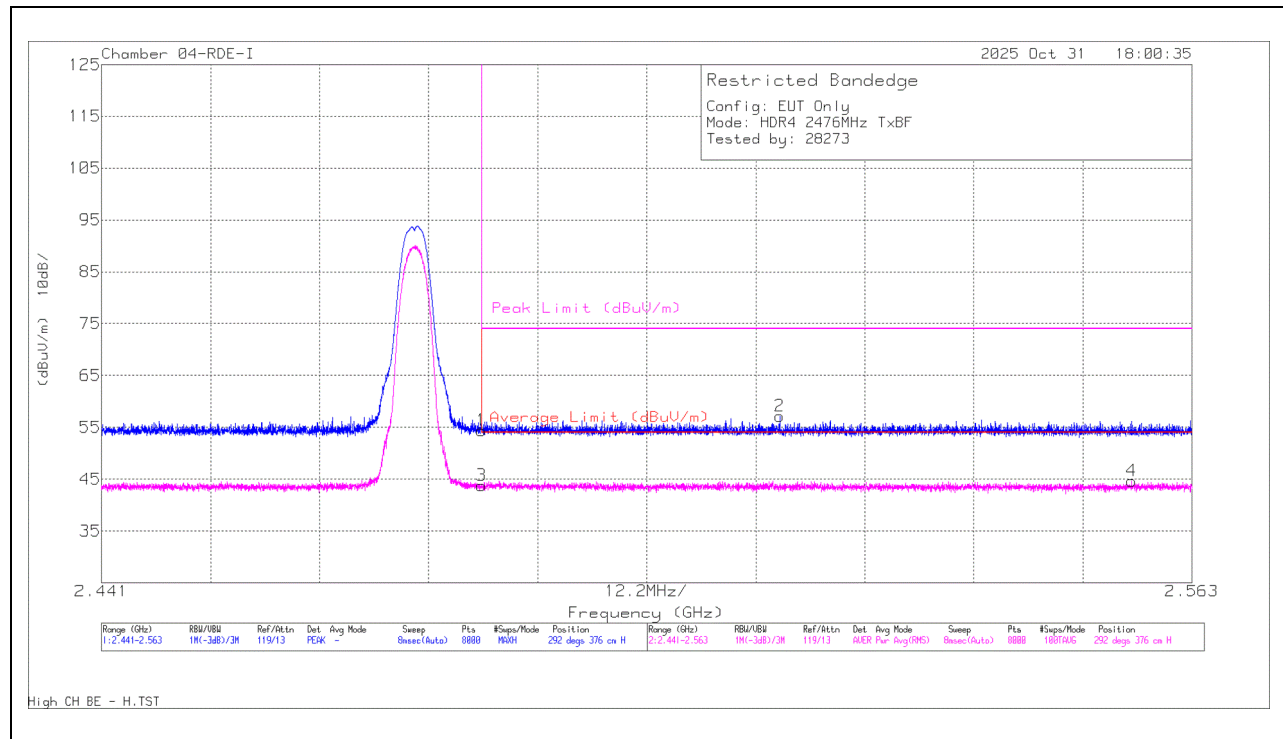
10.1.8. MIMO TXBF MODE – HIGH BANDEDGE – LOW POWER

2.4GHz (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4 + 3	* 2.4835	42.41	Pk	32.3	-20.3	0	54.41	-	-	74	-19.59	292	376	H
			2.516879	45.21	Pk	32.4	-20.4	0	57.21	-	-	74	-16.79	292	376	H
			* 2.4835	31.74	RMS	32.3	-20.3	0	43.74	54	-10.26	-	-	292	376	H
			2.556229	32.79	RMS	32.4	-20.5	0	44.69	54	-9.31	-	-	292	376	H
			* 2.4835	42.82	Pk	32.3	-20.3	0	54.82	-	-	74	-19.18	163	335	V
			* 2.490066	44.85	Pk	32.3	-20.3	0	56.85	-	-	74	-17.15	163	335	V
			* 2.4835	31.18	RMS	32.3	-20.3	0	43.18	54	-10.82	-	-	163	335	V
			2.551943	32.41	RMS	32.4	-20.4	0	44.41	54	-9.59	-	-	163	335	V
HDR8	2476	4 + 3	* 2.4835	42.97	Pk	32.3	-20.3	0	54.97	-	-	74	-19.03	148	392	H
			2.536676	45.93	Pk	32.4	-20.5	0	57.83	-	-	74	-16.17	148	392	H
			* 2.4835	31.96	RMS	32.3	-20.3	0	43.96	54	-10.04	-	-	148	392	H
			* 2.485521	32.65	RMS	32.3	-20.2	0	44.75	54	-9.25	-	-	148	392	H
			* 2.4835	43.49	Pk	32.3	-20.3	0	55.49	-	-	74	-18.51	318	398	V
			2.559661	45.26	Pk	32.4	-20.5	0	57.16	-	-	74	-16.84	318	398	V
			* 2.4835	32.14	RMS	32.3	-20.3	0	44.14	54	-9.86	-	-	318	398	V
			* 2.496365	33.19	RMS	32.3	-20.3	0	45.19	54	-8.81	-	-	318	398	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 4 + 3**BANDEDGE (HDR4 HIGH CHANNEL)****HORIZONTAL RESULT****Trace Markers**

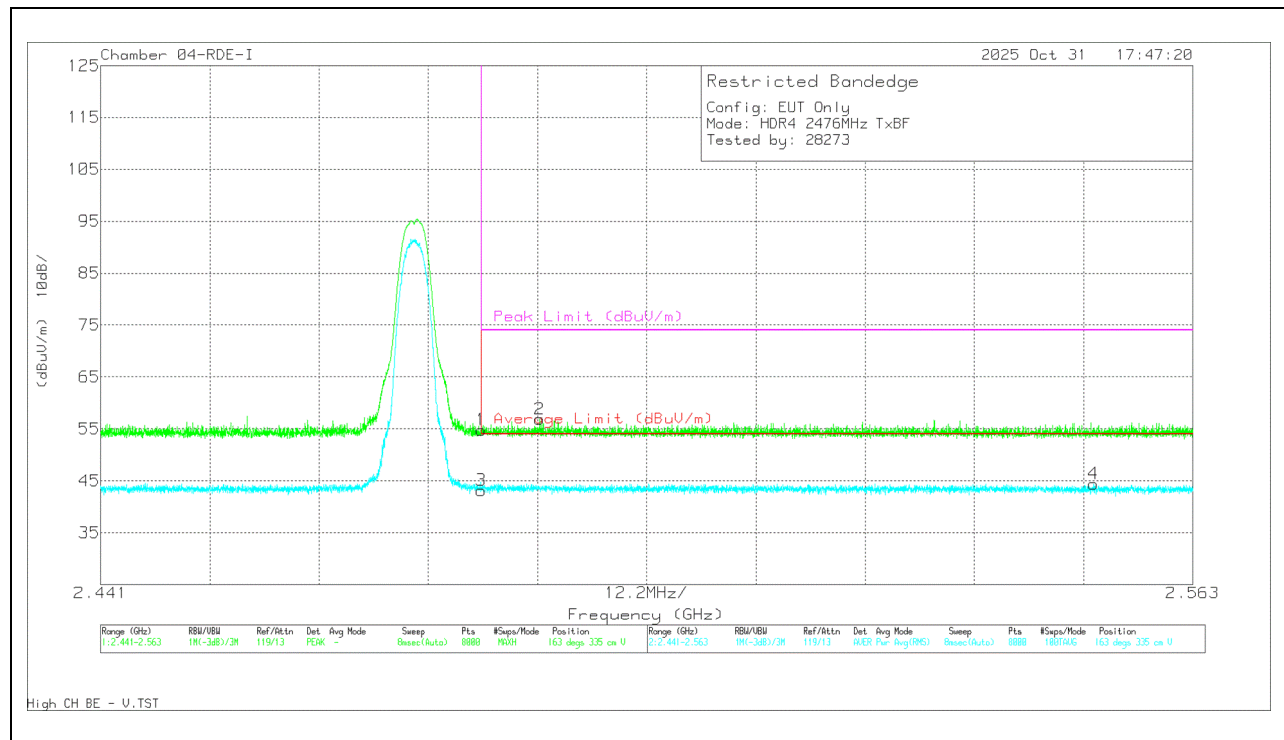
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACI (dB/m)	Amp/Ch/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	42.41	Pk	32.3	-20.3	0	54.41	-	-	74	-19.59	292	376	H
2	2.516879	45.21	Pk	32.4	-20.4	0	57.21	-	-	74	-16.79	292	376	H
3	* 2.4835	31.74	RMS	32.3	-20.3	0	43.74	54	-10.26	-	-	292	376	H
4	2.556229	32.79	RMS	32.4	-20.5	0	44.69	54	-9.31	-	-	292	376	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



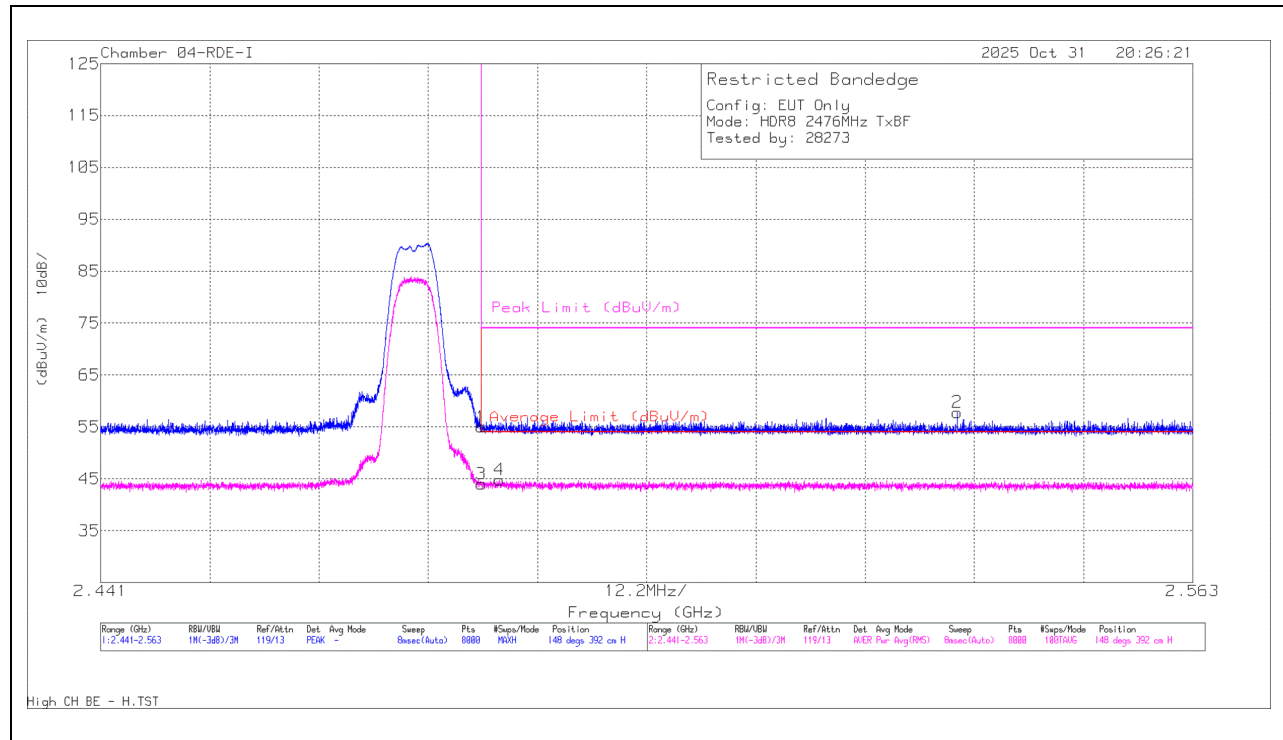
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222748 ACF (dB/m)	Amp/Chl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	42.82	Pk	32.3	-20.3	0	54.82	-	-	74	-19.18	163	335	V
2	* 2.490066	44.85	Pk	32.3	-20.3	0	56.85	-	-	74	-17.15	163	335	V
3	* 2.4835	31.18	RMS	32.3	-20.3	0	43.18	54	-10.82	-	-	163	335	V
4	2.551943	32.41	RMS	32.4	-20.4	0	44.41	54	-9.59	-	-	163	335	V

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

Pk - Peak detector

RMS - RMS detection

BANEDGE (HDR8 HIGH CHANNEL)**HORIZONTAL RESULT****Trace Markers**

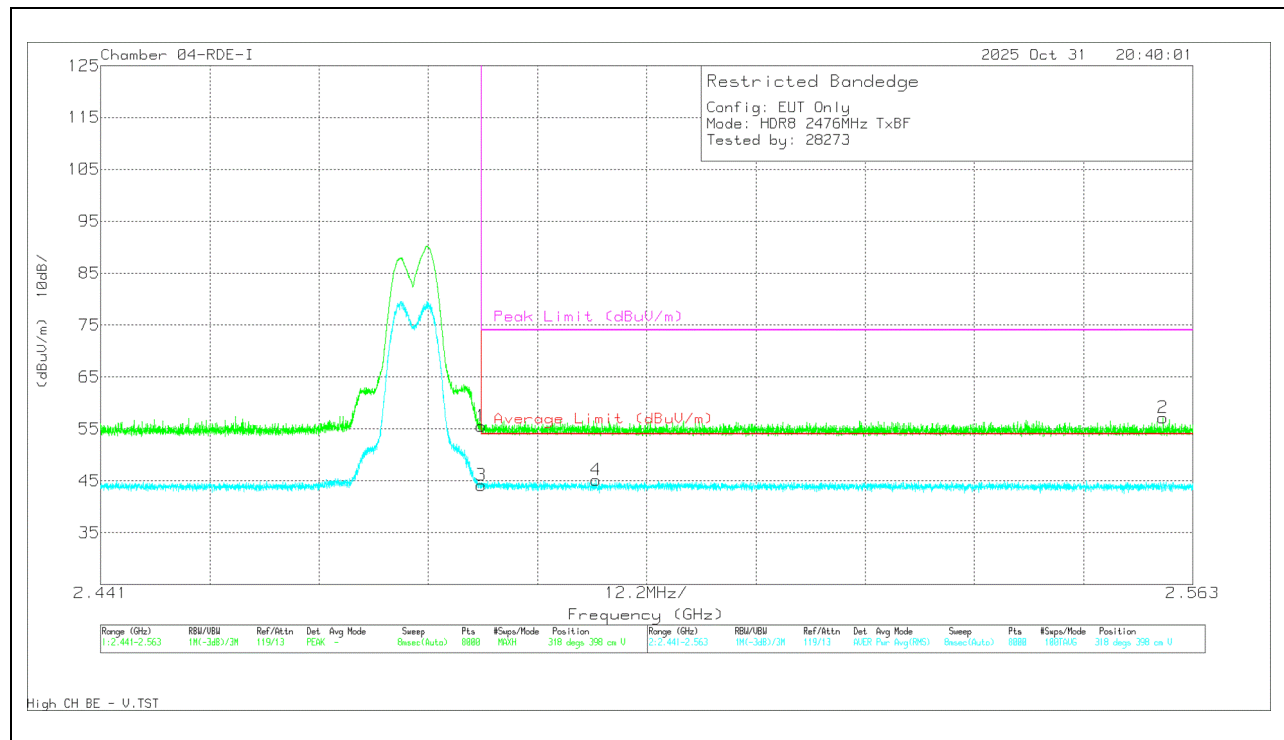
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	42.97	Pk	32.3	-20.3	0	54.97	-	-	74	-19.03	148	392	H
2	2.536676	45.93	Pk	32.4	-20.5	0	57.83	-	-	74	-16.17	148	392	H
3	* 2.4835	31.96	RMS	32.3	-20.3	0	43.96	54	-10.04	-	-	148	392	H
4	* 2.48521	32.65	RMS	32.3	-20.2	0	44.75	54	-9.25	-	-	148	392	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Chl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	43.49	Pk	32.3	-20.3	0	55.49	-	-	74	-18.51	318	398	V
2	2.559661	45.26	Pk	32.4	-20.5	0	57.16	-	-	74	-16.84	318	398	V
3	* 2.4835	32.14	RMS	32.3	-20.3	0	44.14	54	-9.86	-	-	318	398	V
4	* 2.496365	33.19	RMS	32.3	-20.3	0	45.19	54	-8.81	-	-	318	398	V

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

Pk - Peak detector

RMS - RMS detection

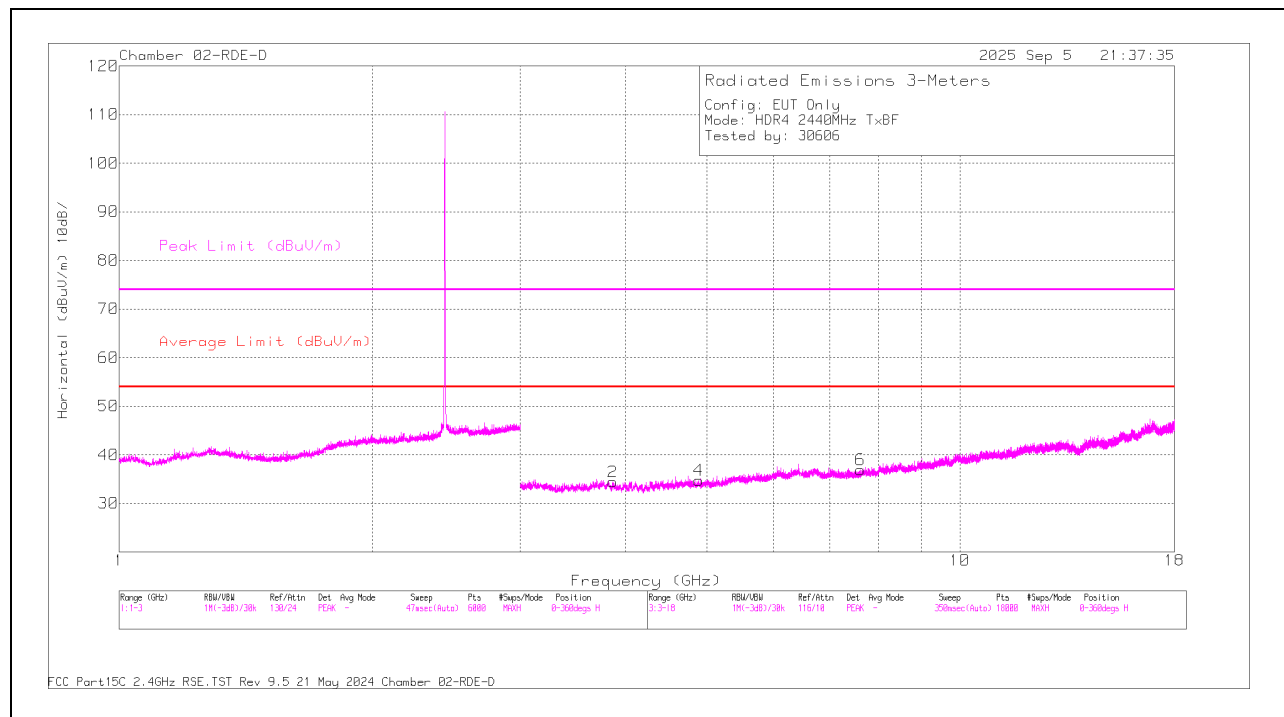
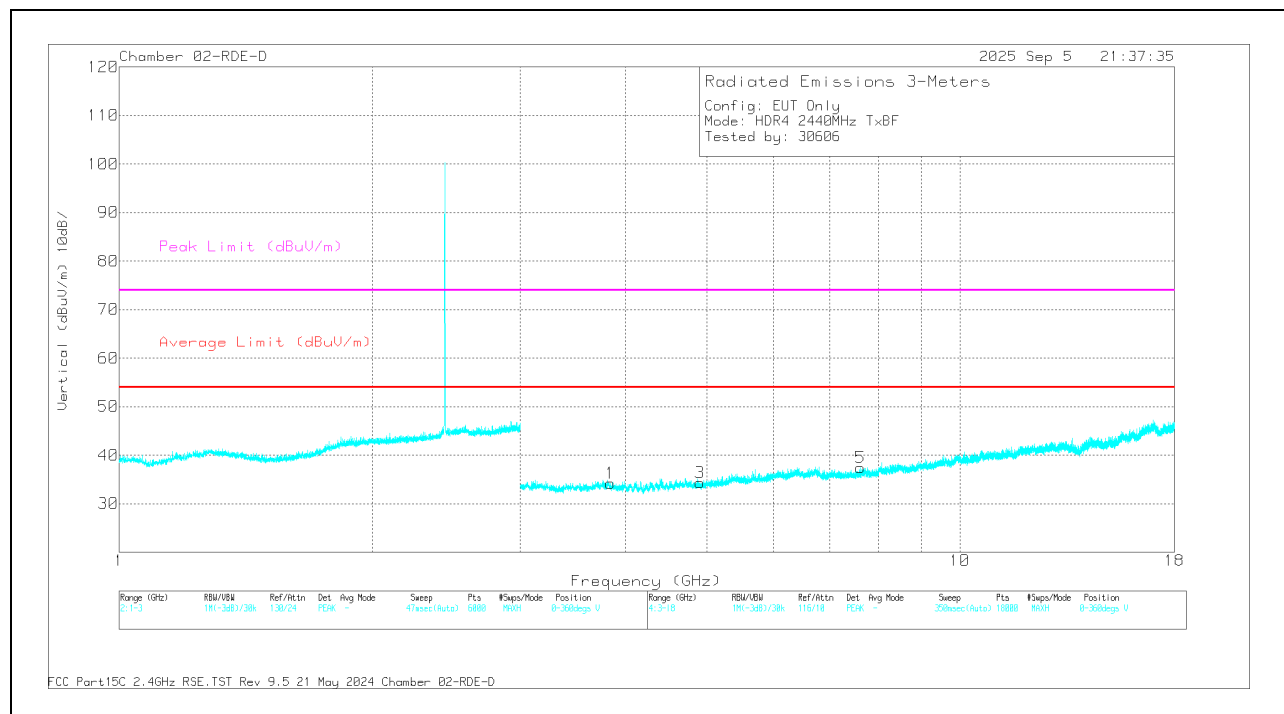
10.1.9. MIMO TXBF MODE – SPURIOUS EMISSIONS – HIGH POWER

2.4 GHz (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 3.809955	44.48	MAV1	33.4	-45.1	0	32.78	54	-21.22	-	-	71	245	H
			* 3.815196	44.29	MAV1	33.5	-45.1	0	32.69	54	-21.31	-	-	106	336	V
			* 3.822115	56.06	PK2	33.5	-44.9	0	44.66	-	-	74	-29.34	71	245	H
			* 3.829049	55.78	PK2	33.5	-44.9	0	44.38	-	-	74	-29.62	106	336	V
			* 4.936234	43.79	MAV1	34.1	-45	0	32.89	54	-21.11	-	-	351	262	H
			* 4.94767	55.12	PK2	34.1	-44.9	0	44.32	-	-	74	-29.68	345	104	V
			* 4.950794	43.75	MAV1	34.1	-45	0	32.85	54	-21.15	-	-	345	104	V
			* 4.956505	55.4	PK2	34.1	-45.1	0	44.4	-	-	74	-29.6	351	262	H
			* 7.602846	53.04	PK2	35.8	-42.4	0	46.44	-	-	74	-27.56	242	348	V
			* 7.604228	41.35	MAV1	35.8	-42.6	0	34.55	54	-19.45	-	-	242	348	V
			* 7.617974	41.26	MAV1	35.8	-42.6	0	34.46	54	-19.54	-	-	306	155	H
			* 7.63285	52.61	PK2	35.8	-42.2	0	46.21	-	-	74	-27.79	306	155	H
	2440	4 + 3	* 3.821628	44.06	MAV1	33.5	-44.9	0	32.66	54	-21.34	-	-	13	387	V
			* 3.82333	55.48	PK2	33.5	-45	0	43.98	-	-	74	-30.02	13	387	V
			* 3.874761	43.8	MAV1	33.5	-44.9	0	32.4	54	-21.6	-	-	114	153	H
			* 3.876641	54.94	PK2	33.5	-44.9	0	43.54	-	-	74	-30.46	114	153	H
			* 4.894829	43.83	MAV1	34.2	-45.1	0	32.93	54	-21.46	-	-	296	241	V
			* 4.894874	55.24	PK2	34.2	-45.1	0	44.34	-	-	74	-29.66	296	241	V
			* 4.895056	56.78	PK2	34.2	-45.1	0	45.88	-	-	74	-28.12	242	371	H
			* 4.886683	43.85	MAV1	34.2	-45.2	0	32.85	54	-21.15	-	-	242	371	H
			* 7.60098	53.27	PK2	35.8	-42.5	0	46.57	-	-	74	-27.43	157	187	H
			* 7.608286	41.35	MAV1	35.8	-42.4	0	34.75	54	-19.25	-	-	157	187	H
			* 7.607228	52.65	PK2	35.8	-42.3	0	46.15	-	-	74	-27.85	326	344	V
			* 7.637646	41.43	MAV1	35.8	-42.1	0	35.13	54	-18.87	-	-	326	344	V
			* 11.679266	55.19	PK2	38.5	-42.8	0	50.89	-	-	74	-23.11	0	101	H
			* 11.680788	55.25	PK2	38.5	-42.75	0	51	-	-	74	-23	0	199	V
			* 11.681224	43.82	MAV1	38.5	-42.74	0	39.58	54	-14.42	-	-	0	101	H
			* 11.682146	43.83	MAV1	38.5	-42.72	0	39.61	54	-14.39	-	-	0	199	V
			* 3.796845	43.17	MAV1	32.9	-45.1	0	30.97	54	-23.03	-	-	0	101	V
	2476	4 + 3	* 3.798001	55.12	PK2	32.9	-45.11	0	42.91	-	-	74	-31.09	0	101	V
			* 3.802261	43.03	MAV1	32.9	-45.13	0	30.8	54	-23.2	-	-	0	198	H
			* 3.802362	54.59	PK2	32.9	-45.13	0	42.36	-	-	74	-31.64	0	198	H
			* 8.045895	43.11	MAV1	35.8	-43.84	0	35.07	54	-18.93	-	-	0	198	H
			* 8.047688	54.73	PK2	35.8	-43.85	0	46.68	-	-	74	-27.32	0	198	H
			* 8.047771	54.46	PK2	35.8	-43.86	0	46.4	-	-	74	-27.6	0	199	V
			* 8.048003	43.36	MAV1	35.8	-43.86	0	35.3	54	-18.7	-	-	0	199	V
			* 11.656777	55.03	PK2	38.5	-42.44	0	51.09	-	-	74	-22.91	0	199	H
			* 11.657381	43.45	MAV1	38.5	-42.46	0	39.49	54	-14.51	-	-	0	199	H
			* 11.659029	43.71	MAV1	38.5	-42.51	0	39.7	54	-14.3	-	-	0	101	V
			* 11.659937	55.38	PK2	38.5	-42.51	0	51.37	-	-	74	-22.63	0	101	V
			* 3.912906	44.34	MAV1	33.3	-45.7	0	31.94	54	-22.06	-	-	0	101	V
			* 3.914259	44.39	MAV1	33.3	-45.7	0	31.99	54	-22.01	-	-	0	101	H
			* 3.914263	55.76	PK2	33.3	-45.7	0	43.36	-	-	74	-30.64	0	101	V
			* 3.915123	55.78	PK2	33.3	-45.71	0	43.37	-	-	74	-30.63	0	101	H
			* 8.158111	43.58	MAV1	35.8	-43.07	0	36.31	54	-17.69	-	-	0	199	H
	2404	4 + 3	* 8.158161	55.14	PK2	35.8	-43.07	0	47.87	-	-	74	-26.13	0	199	H
			* 8.159387	43.86	MAV1	35.8	-43.06	0	36.6	54	-17.4	-	-	0	101	V
			* 8.159523	56.1	PK2	35.8	-43.06	0	48.84	-	-	74	-25.16	0	101	V
			* 11.695963	43.49	MAV1	38.5	-42.64	0	39.35	54	-14.65	-	-	0	199	H
			* 11.696184	54.94	PK2	38.5	-42.64	0	50.8	-	-	74	-23.2	0	199	H
			* 11.696786	43.74	MAV1	38.5	-42.63	0	39.61	54	-14.39	-	-	0	101	V
			* 11.69994	55.01	PK2	38.5	-42.62	0	50.89	-	-	74	-23.11	0	101	V
			* 4.724613	45.57	MAV1	34.2	-47.25	0	32.52	54	-21.48	-	-	0	101	H
			* 4.725558	57.39	PK2	34.2	-47.23	0	44.36	-	-	74	-29.64	0	101	V
			* 4.726924	45.23	MAV1	34.2	-47.22	0	32.21	54	-21.79	-	-	0	101	V
			* 4.727001	56.7	PK2	34.2	-47.22	0	43.68	-	-	74	-30.32	0	101	H
			* 8.114531	43.51	MAV1	35.8	-43.34	0	35.97	54	-18.03	-	-	0	101	H
			* 8.115723	54.98	PK2	35.8	-43.32	0	47.46	-	-	74	-26.54	0	101	H
			* 8.11599	43.44	MAV1	35.8	-43.31	0	35.93	54	-18.07	-	-	0	101	V
			* 8.116328	55.23	PK2	35.8	-43.31	0	47.72	-	-	74	-26.28	0	101	V
	2476	4 + 3	* 11.498718	54.51	PK2	38.1	-42.89	0	49.72	-	-	74	-24.28	0	101	V
			* 11.500727	43.24	MAV1	38.1	-42.81	0	38.53	54	-15.47	-	-	0	101	V
			* 11.502195	55	PK2	38.1	-42.78	0	50.32	-	-	74	-23.68	0	101	H
			* 11.503403	43.29	MAV1	38.1	-42.69	0	38.7	54	-15.3	-	-	0	101	H
			* 3.898513	56.03	PK2	33.4	-46.11	0	43.32	-	-	74	-30.68	0	101	H
			* 3.900004	56.75	PK2	33.4	-46.18	0	43.97	-	-	74	-30.03	0	101	V
			* 3.900383	44.27	MAV1	33.4	-46.18	0	31.49	54	-22.51	-	-	0	101	V
			* 3.901143	44.25	MAV1	33.4	-46.19	0	31.46	54	-22.54	-	-	0	101	H
			* 8.072216	44.15	MAV1	35.9	-44.89	0	35.16	54	-18.84	-	-	0	198	V
			* 8.073111	55.59	PK2	35.9	-44.86	0	46.63	-	-	74	-27.37	0	198	V
			* 8.076057	43.98	MAV1	35.9	-44.75	0	35.13	54	-18.87	-	-	0	199	H
			* 8.076075	55.92	PK2	35.9	-44.75	0	47.07	-	-	74	-26.93	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

TXBF MODE - HIGH POWER**SPURIOUS HARMONIC (HDR4 MID CHANNEL)****HORIZONTAL RESULT****VERTICAL RESULT**

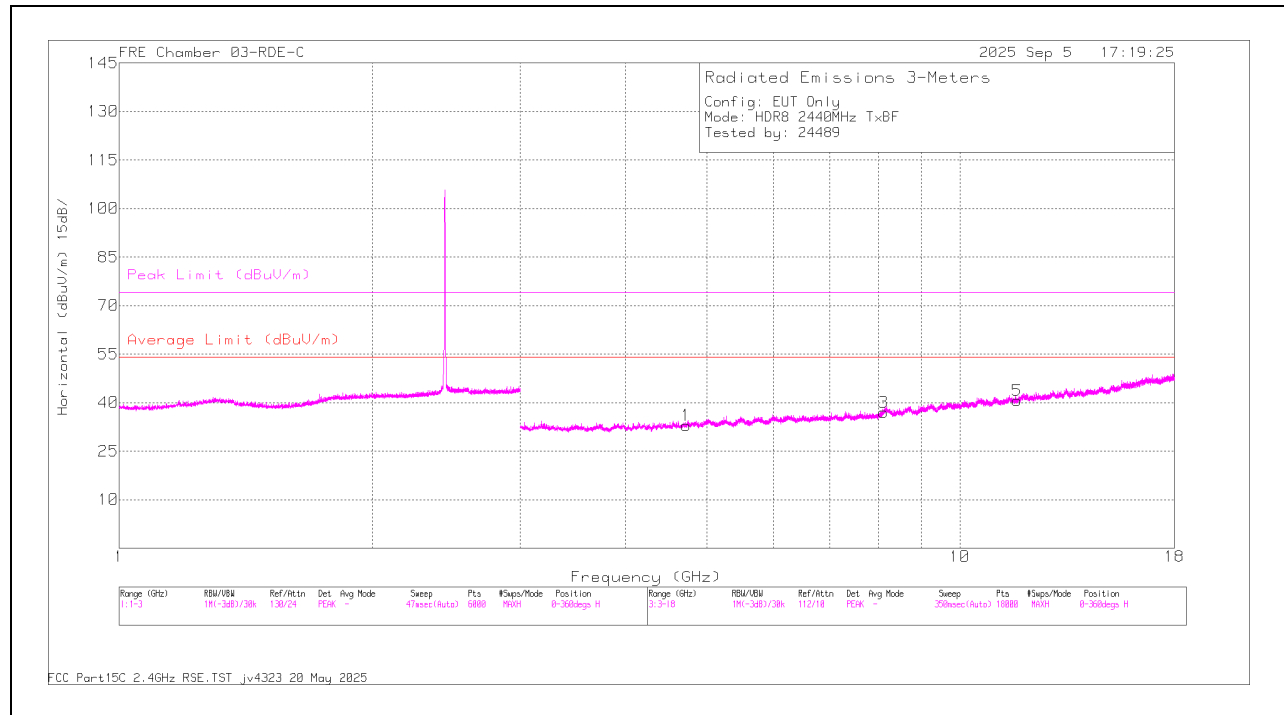
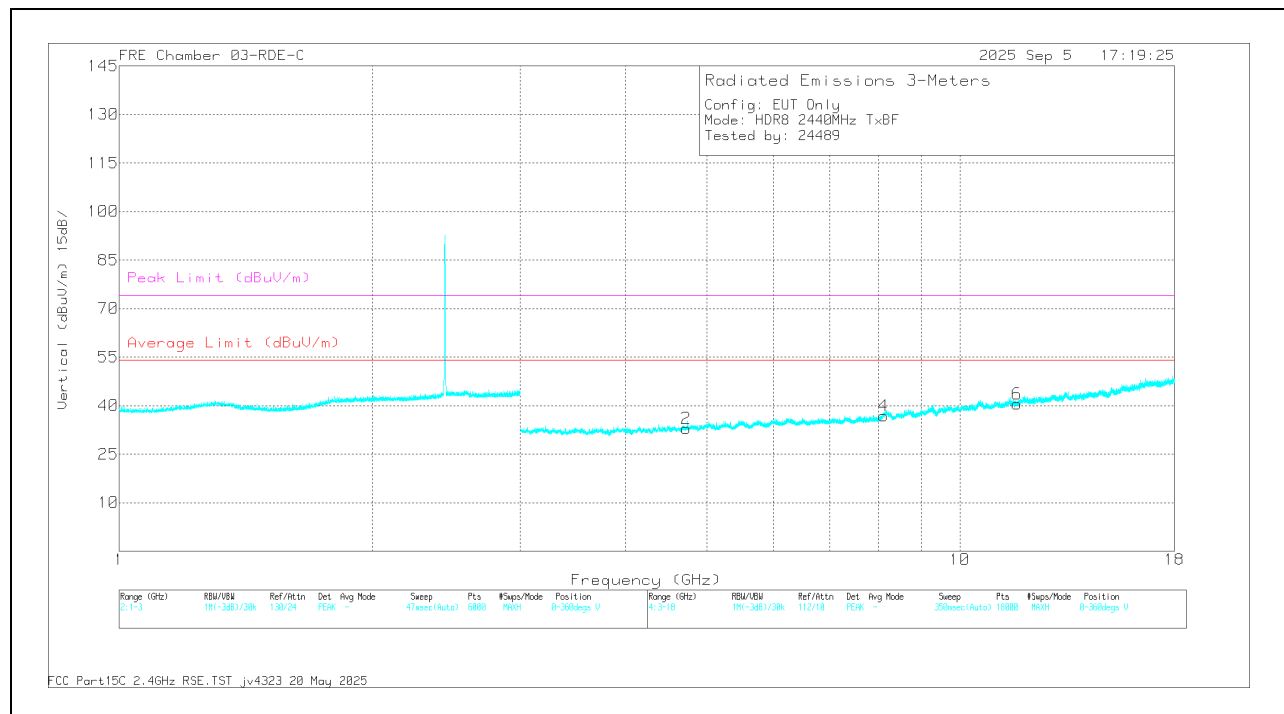
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226674 ACF (dB/m)	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.821628	44.06	MAv1	33.5	-44.9	32.66	54	-21.34	-	-	13	387	V
1	* 3.82333	55.48	PK2	33.5	-45	43.98	-	-	74	-30.02	13	387	V
2	* 3.874761	43.8	MAv1	33.5	-44.9	32.4	54	-21.6	-	-	114	153	H
2	* 3.876641	54.94	PK2	33.5	-44.9	43.54	-	-	74	-30.46	114	153	H
3	* 4.894829	43.83	MAv1	34.2	-45.1	32.93	54	-21.46	-	-	296	241	V
3	* 4.894874	55.24	PK2	34.2	-45.1	44.34	-	-	74	-29.66	296	241	V
4	* 4.895056	56.78	PK2	34.2	-45.1	45.88	-	-	74	-28.12	242	371	H
4	* 4.886683	43.85	MAv1	34.2	-45.2	32.85	54	-21.15	-	-	242	371	H
6	* 7.60098	53.27	PK2	35.8	-42.5	46.57	-	-	74	-27.43	157	187	H
6	* 7.608286	41.35	MAv1	35.8	-42.4	34.75	54	-19.25	-	-	157	187	H
5	* 7.607228	52.65	PK2	35.8	-42.3	46.15	-	-	74	-27.85	326	344	V
5	* 7.637646	41.43	MAv1	35.8	-42.1	35.13	54	-18.87	-	-	326	344	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

SPURIOUS HARMONIC (HDR8 MID CHANNEL)**HORIZONTAL RESULT****VERTICAL RESULT**

Radiated Emissions

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	84787 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
5	* 11.695963	43.49	MAv1	38.5	0	-42.64	39.35	54	-14.65	-	-	0	199	H
5	* 11.696184	54.94	PK2	38.5	0	-42.64	50.8	-	-	74	-23.2	0	199	H
6	* 11.696786	43.74	MAv1	38.5	0	-42.63	39.61	54	-14.39	-	-	0	101	V
6	* 11.69994	55.01	PK2	38.5	0	-42.62	50.89	-	-	74	-23.11	0	101	V
1	* 4.724613	45.57	MAv1	34.2	0	-47.25	32.52	54	-21.48	-	-	0	101	H
2	* 4.725558	57.39	PK2	34.2	0	-47.23	44.36	-	-	74	-29.64	0	101	V
2	* 4.726924	45.23	MAv1	34.2	0	-47.22	32.21	54	-21.79	-	-	0	101	V
1	* 4.727001	56.7	PK2	34.2	0	-47.22	43.68	-	-	74	-30.32	0	101	H
3	* 8.114531	43.51	MAv1	35.8	0	-43.34	35.97	54	-18.03	-	-	0	101	H
3	* 8.115723	54.98	PK2	35.8	0	-43.32	47.46	-	-	74	-26.54	0	101	H
4	* 8.11599	43.44	MAv1	35.8	0	-43.31	35.93	54	-18.07	-	-	0	101	V
4	* 8.116328	55.23	PK2	35.8	0	-43.31	47.72	-	-	74	-26.28	0	101	V

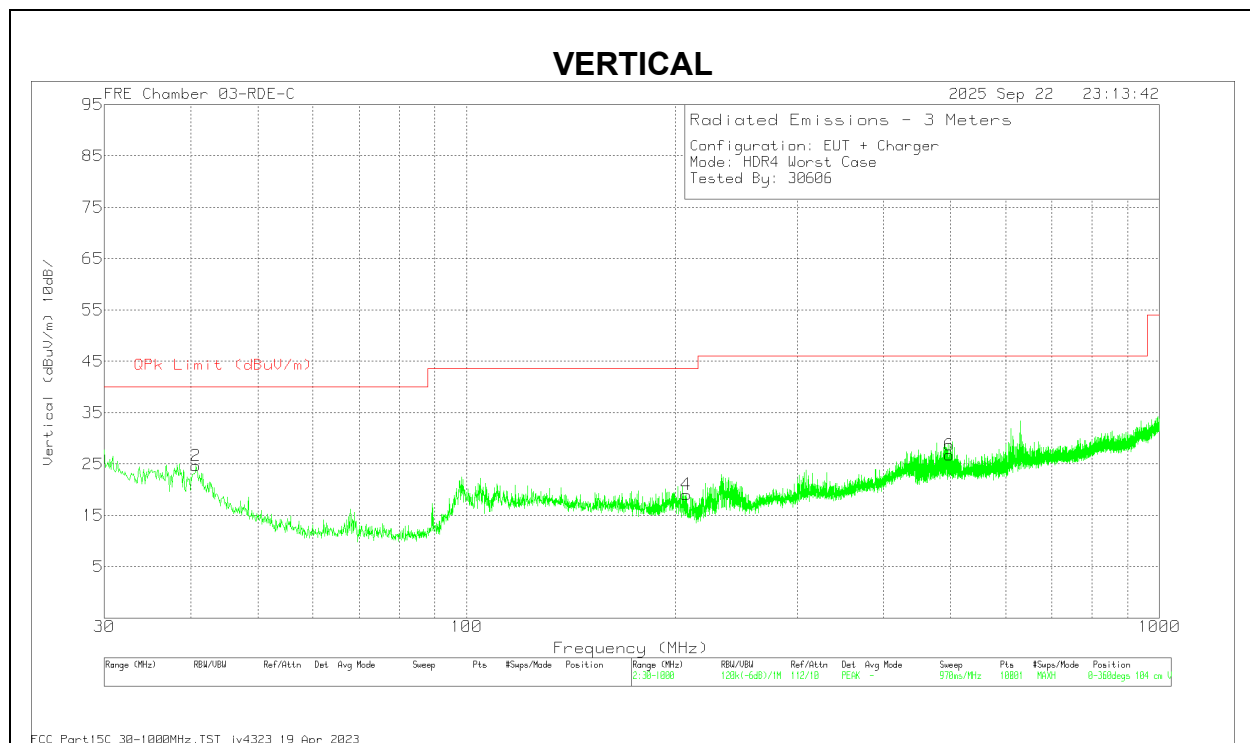
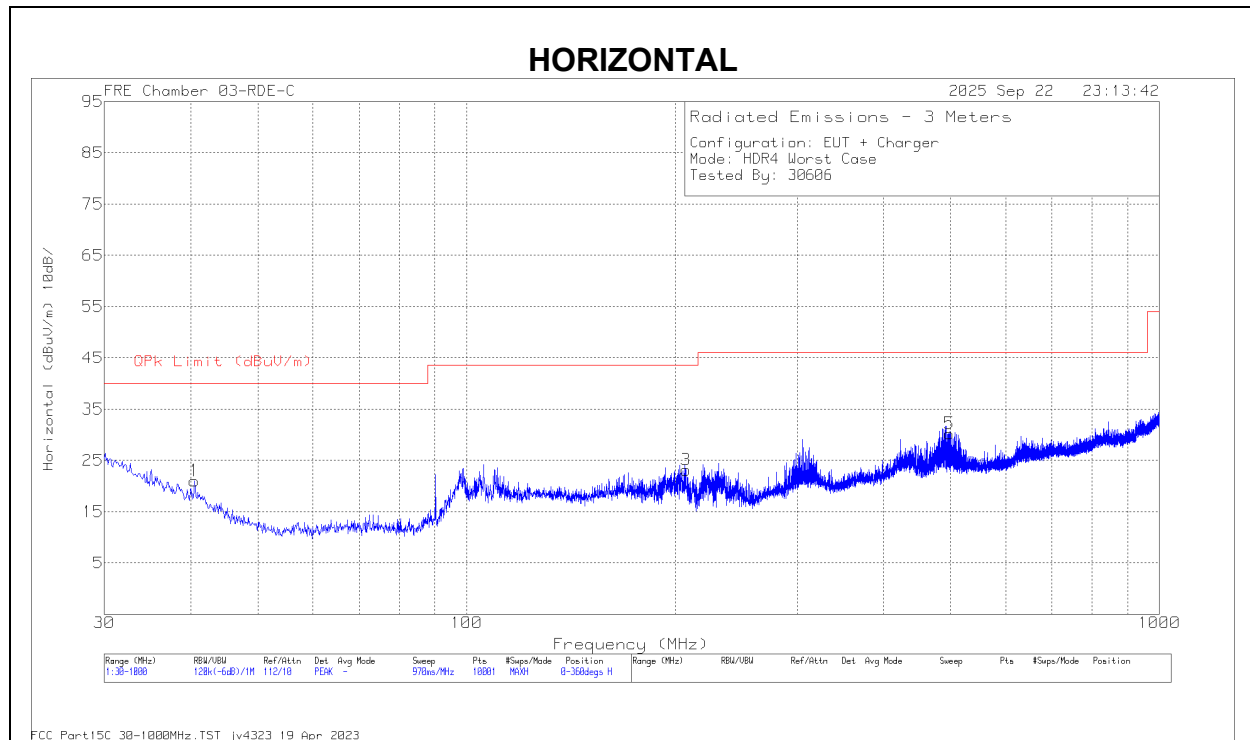
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2. WORST CASE BELOW 1 GHz

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



Below 1GHz Data**Radiated Emissions**

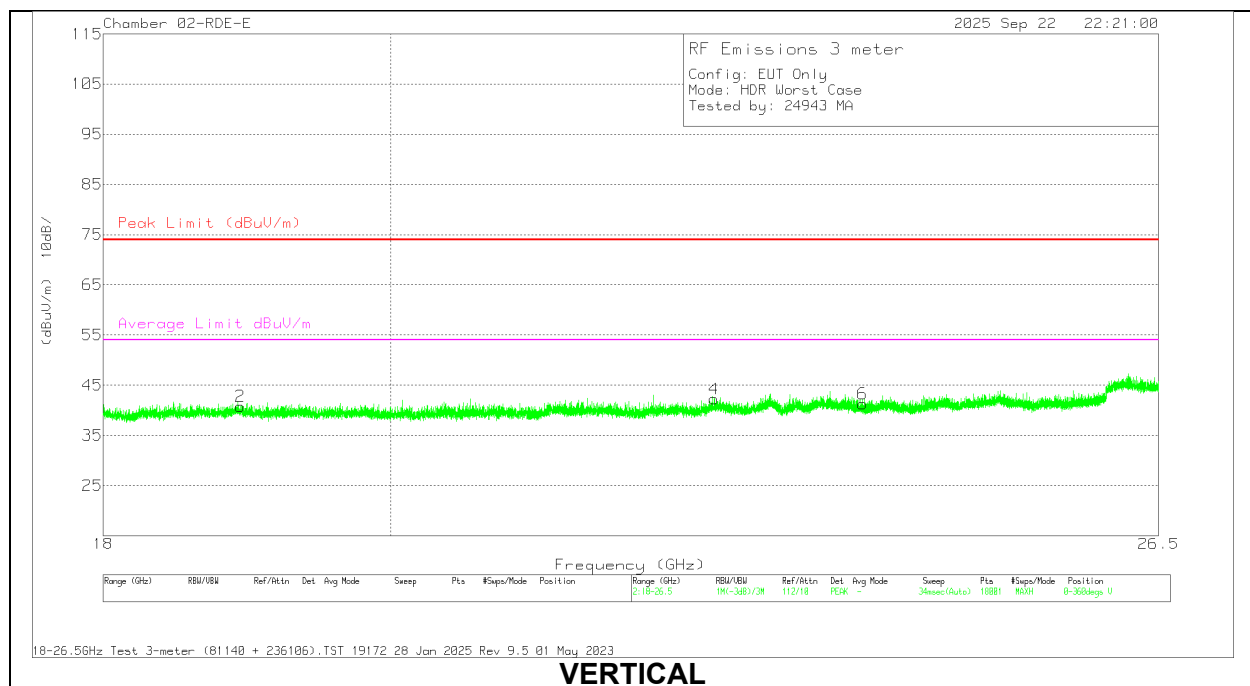
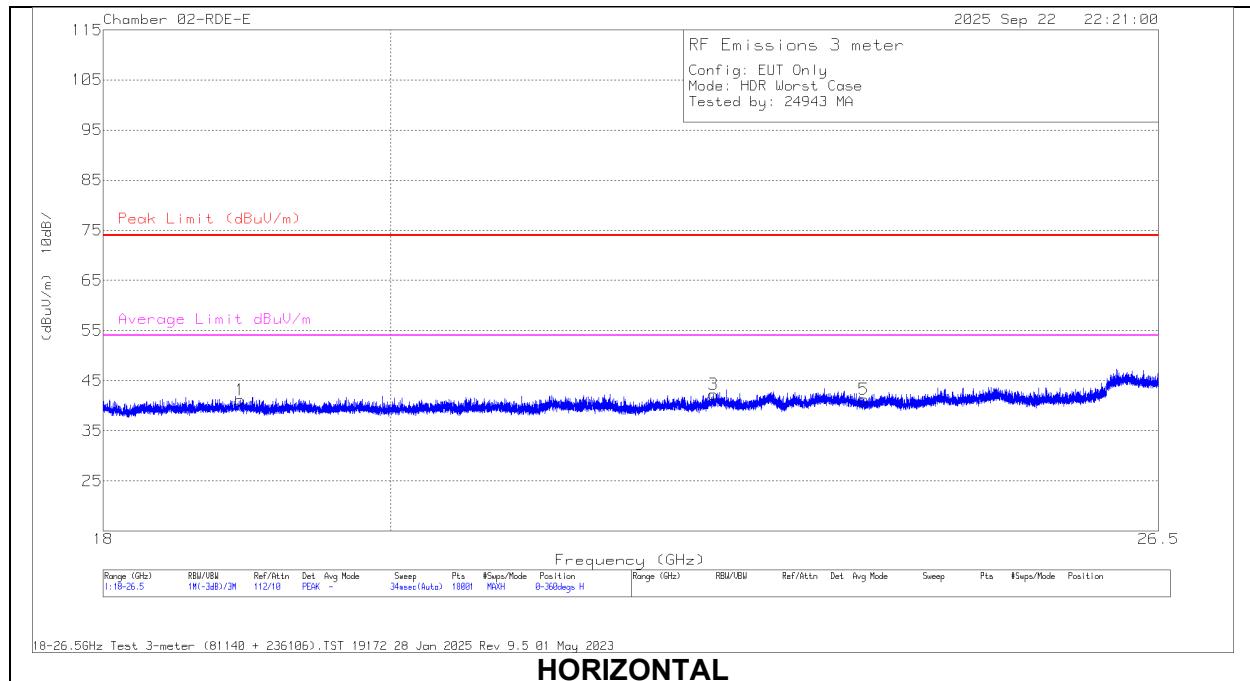
Markers	Frequency (MHz)	Meter Reading (dBuV)	Det	232075 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.4814	23.33	Qp	19.6	-31.5	11.43	40	-28.57	285	104	H
3	207.263	31.35	Qp	16.5	-30.1	17.75	43.52	-25.77	289	129	H
5	497.731	29.21	Qp	23.6	-28.8	24.01	46.02	-22.01	327	185	H
2	40.572	30.28	Qp	19.5	-31.5	18.28	40	-21.72	347	163	V
4	207.749	24.8	Qp	16.4	-30.1	11.1	43.52	-32.42	296	190	V
6	497.318	25.63	Qp	23.6	-28.8	20.43	46.02	-25.59	0	115	V

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

Qp - Quasi-Peak detector

10.3. WORST CASE 18-26 GHz

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



18 – 26GHz Data**Radiated Emissions**

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	81140 ACF (dB/m)	Coupler (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.92751	52.72	PK2	32.2	-62.5	20.5	42.92	74	-31.08	-	-	360	101	H
1	* 18.927528	41.13	MAv1	32.2	-62.5	20.5	31.33	-	-	54	-22.67	360	101	H
2	* 18.927716	40.87	MAv1	32.2	-62.5	20.5	31.07	-	-	54	-22.93	360	101	V
2	* 18.92821	52.8	PK2	32.2	-62.5	20.5	43	74	-31	-	-	360	101	V
3	* 22.508871	51.25	PK2	33.1	-62.3	22.6	44.65	74	-29.35	-	-	360	200	H
3	* 22.509475	38.85	MAv1	33.1	-62.3	22.6	32.25	-	-	54	-21.75	360	200	H
4	* 22.513899	38.7	MAv1	33.1	-62.3	22.6	32.1	-	-	54	-21.9	360	101	V
4	* 22.51599	50.35	PK2	33.1	-62.3	22.6	43.75	74	-30.25	-	-	360	101	V
6	* 23.774541	38.57	MAv1	33.4	-63.3	23.3	31.97	-	-	54	-22.03	360	199	V
6	* 23.776483	50.25	PK2	33.4	-63.3	23.3	43.65	74	-30.35	-	-	360	199	V
5	* 23.784186	38.62	MAv1	33.4	-63.4	23.3	31.92	-	-	54	-22.08	360	200	H
5	* 23.785357	50.07	PK2	33.4	-63.4	23.3	43.37	74	-30.63	-	-	360	200	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

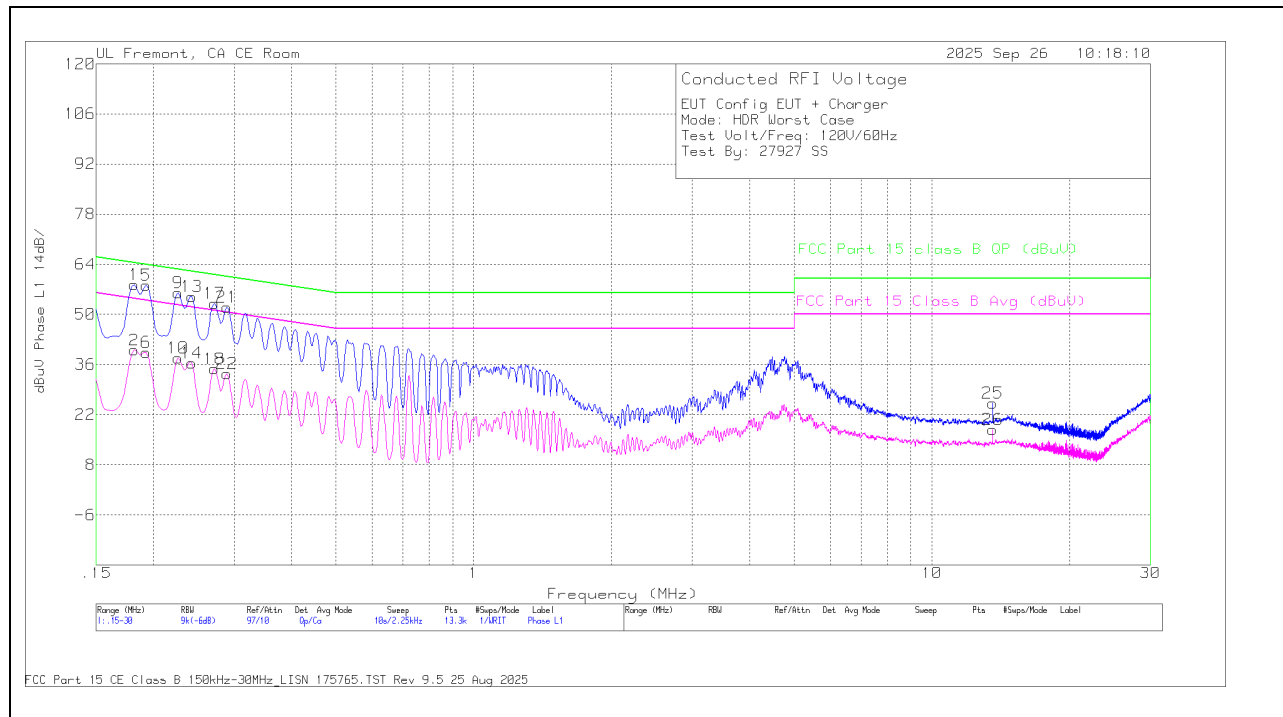
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

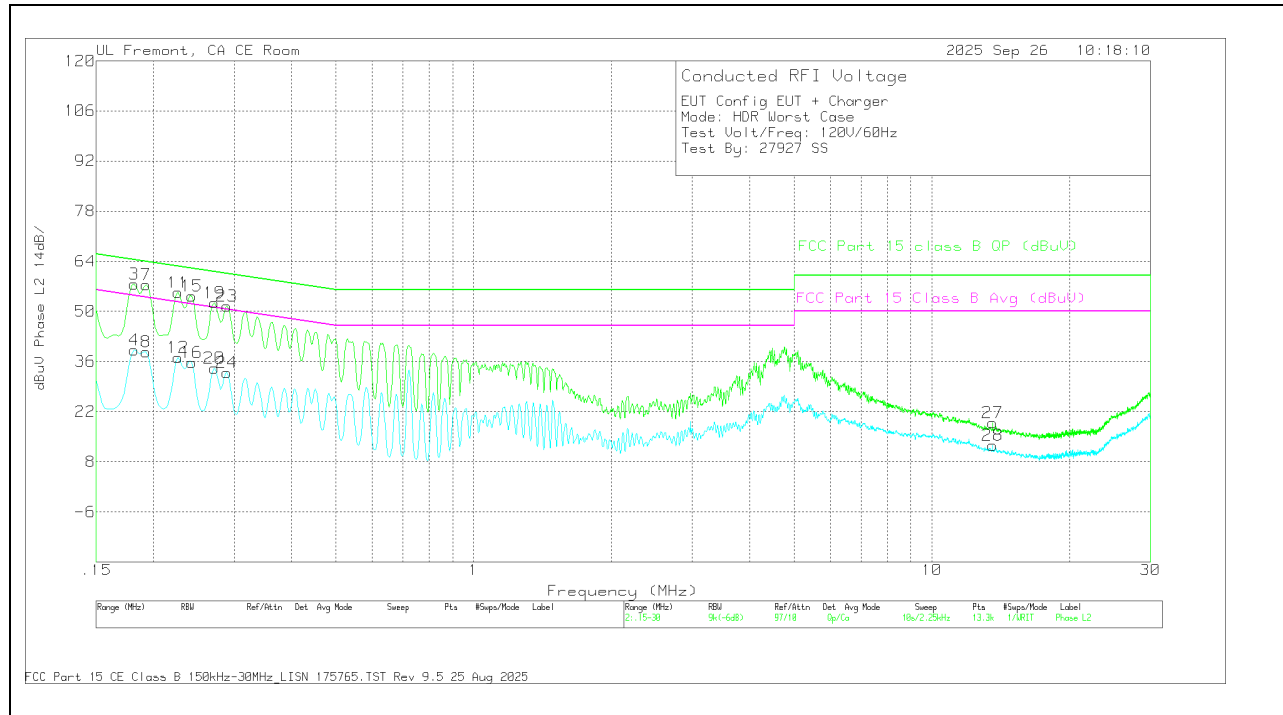


Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL (dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.1815	21.62	Ca	-.1	.1	8.4	10	40.02	54.42	-14.4	-	-
6	.1928	20.86	Ca	0	.1	8.4	10	39.36	53.92	-14.56	-	-
10	.2265	19.44	Ca	.1	0	8.3	10	37.84	52.58	-14.74	-	-
14	.2423	18.13	Ca	.1	0	8.2	10	36.43	52.02	-15.59	-	-
18	.2715	16.57	Ca	.1	0	8.1	10	34.77	51.07	-16.3	-	-
22	.2895	15.2	Ca	.2	0	8	10	33.4	50.54	-17.14	-	-
26	.13.56	-.82	Ca	.3	.1	8.2	10	17.78	50	-32.22	-	-
1	.1815	39.94	Qp	-.1	.1	8.4	10	58.34	-	-	64.42	-6.08
5	.1928	39.62	Qp	0	.1	8.4	10	58.12	-	-	63.92	-5.8
9	.2265	37.59	Qp	.1	0	8.3	10	55.99	-	-	62.58	-6.59
13	.2423	36.74	Qp	.1	0	8.2	10	55.04	-	-	62.02	-6.98
17	.2715	34.9	Qp	.1	0	8.1	10	53.1	-	-	61.07	-7.97
21	.2895	33.86	Qp	.2	0	8	10	52.06	-	-	60.54	-8.48
25	.13.56	6.62	Qp	.3	.1	8.2	10	25.22	-	-	60	-34.78

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS

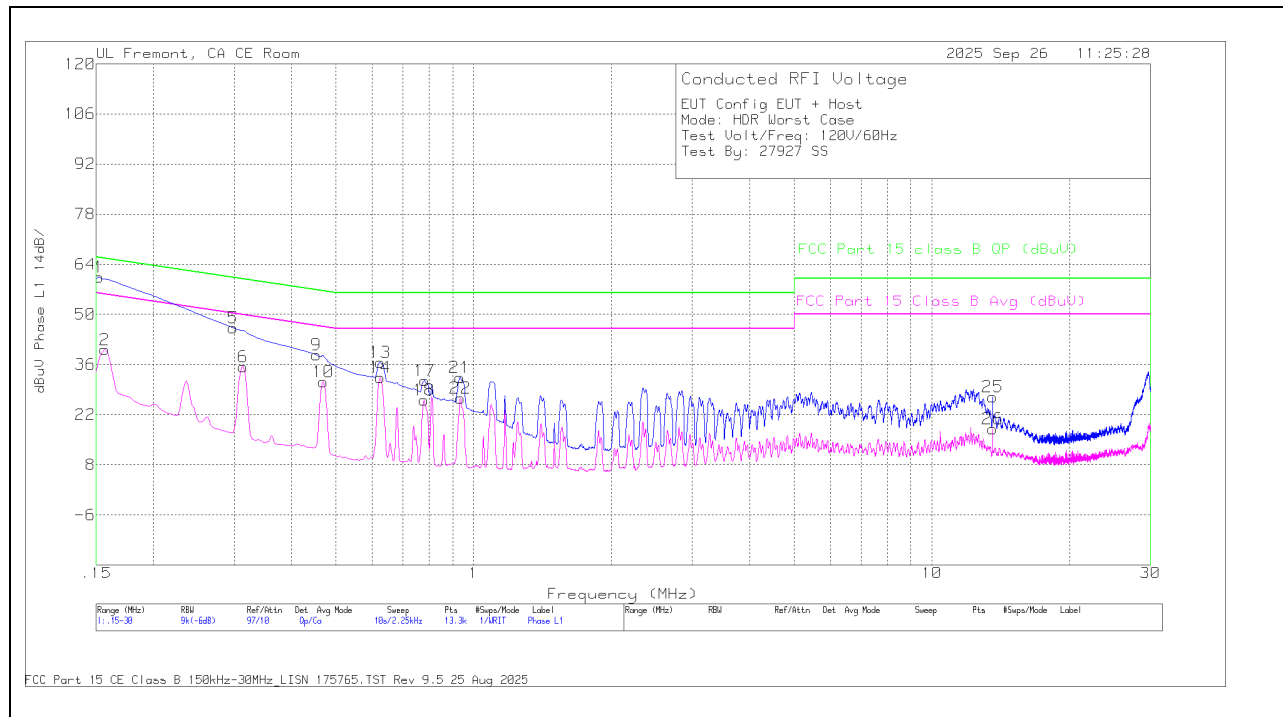


Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL (dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
4	.1815	20.9	Ca	-.1	0	8.4	10	39.2	54.42	-15.22	-	-
8	.1928	20.27	Ca	0	0	8.4	10	38.67	53.92	-15.25	-	-
12	.2265	18.68	Ca	.1	0	8.3	10	37.08	52.58	-15.5	-	-
16	.2423	17.4	Ca	.1	0	8.2	10	35.7	52.02	-16.32	-	-
20	.2715	15.94	Ca	.1	0	8.1	10	34.14	51.07	-16.93	-	-
24	.2895	14.77	Ca	.2	0	8	10	32.97	50.54	-17.57	-	-
28	13.56	-5.96	Ca	.3	.1	8.2	10	12.64	50	-37.36	-	-
3	.1815	39.33	Qp	-.1	0	8.4	10	57.63	-	-	64.42	-6.79
7	.1928	39.12	Qp	0	0	8.4	10	57.52	-	-	63.92	-6.4
11	.2265	36.86	Qp	.1	0	8.3	10	55.26	-	-	62.58	-7.32
15	.2423	36.06	Qp	.1	0	8.2	10	54.36	-	-	62.02	-7.66
19	.2715	34.24	Qp	.1	0	8.1	10	52.44	-	-	61.07	-8.63
23	.2895	33.36	Qp	.2	0	8	10	51.56	-	-	60.54	-8.98
27	13.56	.36	Qp	.3	.1	8.2	10	18.96	-	-	60	-41.04

Qp - Quasi-Peak detector
 Ca - CISPR average detection

11.2. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS

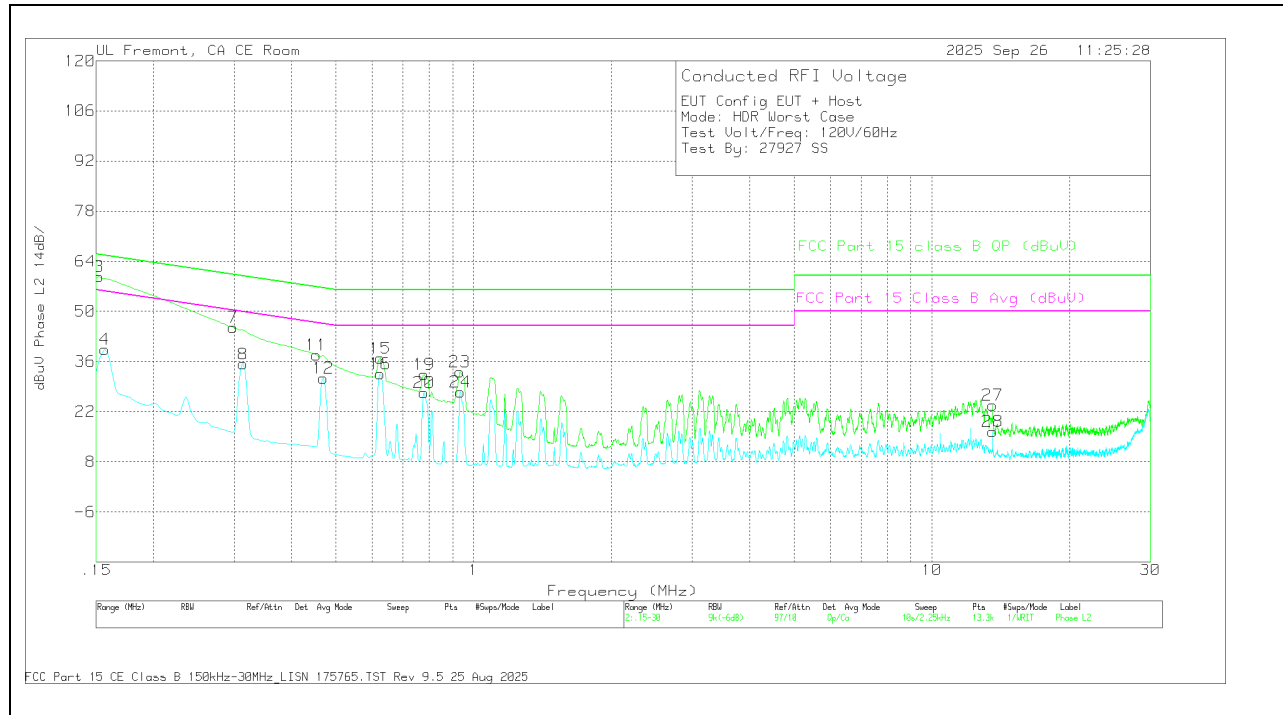


Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL (dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.1568	21.88	Ca	-.3	.1	8.5	10	40.18	55.63	-15.45	-	-
6	.3143	17.26	Ca	0	0	8.1	10	35.36	49.86	-14.5	-	-
10	.4695	12.51	Ca	.1	0	8.5	10	31.11	46.52	-15.41	-	-
14	.6248	13.95	Ca	.1	0	8.3	10	32.35	46	-13.65	-	-
18	.78	7.73	Ca	.1	0	8.2	10	26.03	46	-19.97	-	-
22	.9353	8.12	Ca	.1	0	8.4	10	26.62	46	-19.38	-	-
26	13.56	-55	Ca	.3	.1	8.2	10	18.05	50	-31.95	-	-
1	.1523	42.25	Qp	-.4	.1	8.5	10	60.45	-	-	65.88	-5.43
5	.2985	28.03	Qp	.2	0	8	10	46.23	-	-	60.28	-14.05
9	.4538	19.58	Qp	.3	0	8.8	10	38.68	-	-	56.81	-18.13
13	.6248	18.21	Qp	.1	0	8.3	10	36.61	-	-	56	-19.39
17	.7823	13.27	Qp	.2	0	8.1	10	31.57	-	-	56	-24.43
21	.933	13.92	Qp	.1	0	8.4	10	32.42	-	-	56	-23.58
25	13.56	8.39	Qp	.3	.1	8.2	10	26.99	-	-	60	-33.01

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 (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
4	.1568	21.03	Ca	-.3	.1	8.5	10	39.33	55.63	-16.3	-	-
8	.3143	17.18	Ca	0	0	8.1	10	35.28	49.86	-14.58	-	-
12	.4695	12.69	Ca	.1	0	8.5	10	31.29	46.52	-15.23	-	-
16	.6248	14.23	Ca	.1	0	8.3	10	32.63	46	-13.37	-	-
20	.78	8.96	Ca	.1	0	8.2	10	27.26	46	-18.74	-	-
24	.9353	8.94	Ca	.1	0	8.4	10	27.44	46	-18.56	-	-
28	13.56	-2.11	Ca	.3	.1	8.2	10	16.49	50	-33.51	-	-
3	.1523	41.56	Qp	-.4	.1	8.5	10	59.76	-	-	65.88	-6.12
7	.2985	27.27	Qp	.2	0	8	10	45.47	-	-	60.28	-14.81
11	.4538	18.74	Qp	.3	0	8.8	10	37.84	-	-	56.81	-18.97
15	.6248	18.47	Qp	.1	0	8.3	10	36.87	-	-	56	-19.13
19	.78	14.08	Qp	.1	0	8.2	10	32.38	-	-	56	-23.62
23	.933	14.59	Qp	.1	0	8.4	10	33.09	-	-	56	-22.91
27	13.56	5.15	Qp	.3	.1	8.2	10	23.75	-	-	60	-36.25

Qp - Quasi-Peak detector
Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 15941282-EP1V1 for setup photos

13. APPENDIX A – SPOT CHECK EVALUATION

13.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3575, A3634, A3635.

A3575, A3634, and A3635 are highly similar, with the only difference being the supported cellular bands.

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3575	BCG-E9145A	579C-E9145A	No B11/21	eSIM only	-
A3634	BCG-E9147A	579C-E9147A	No B11/21/14/29/71	eSIM + pSIM	A3575
A3635	BCG-E9148A	579C-E9148A	No B11/21/14/29/71/53/MSS		

Note:

All models have the same PCB layout, circuit design, common components, antennas and antenna locations across their respective reference model table above. The cellular modem, Wi-Fi, BT, NFC, and MSS transmitters are identical.

Removal of LTE/NR (B14/29/53/71) and MSS bands is done by de-population of directly related components.

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.

13.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3634

A3634 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3575	Sub Model: A3634	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9145A IC : 579C-E9145A	FCC ID : BCG-E9147A IC : 579C-E9147A			
DTS / HDR	2.4	HDR8 (TXBF) High Power	HDR8	Output Power (dBm)	High	2476	19.22	19.11	-0.11	-10.78	Note 1
		HDR8 (TXBF) High Power	HDR8	Radiated Bandedge (dBuV/m)	High	2476	47.17	47.97	0.80	-6.83	Note 1
		HDR8 (TXBF)	HDR8	RSE (dBuV/m)	Low	1 to 18GHz	39.70	39.25	-0.45	-14.30	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.

13.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3635

A3635 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3575	Sub Model: A3635	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9145A IC : 579C-E9145A	FCC ID : BCG-E9148A IC : 579C-E9148A			
DTS / HDR	2.4	HDR8 (TXBF) High Power	HDR8	Output Power (dBm)	High	2476	19.22	19.02	-0.20	-10.78	Note 1
		HDR8 (TXBF) High Power	HDR8	Radiated Bandedge (dBuV/m)	High	2476	47.17	46.96	-0.21	-6.83	Note 1
		HDR8 (TXBF)	HDR8	RSE (dBuV/m)	Low	1 to 18GHz	39.70	39.98	0.28	-14.30	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.