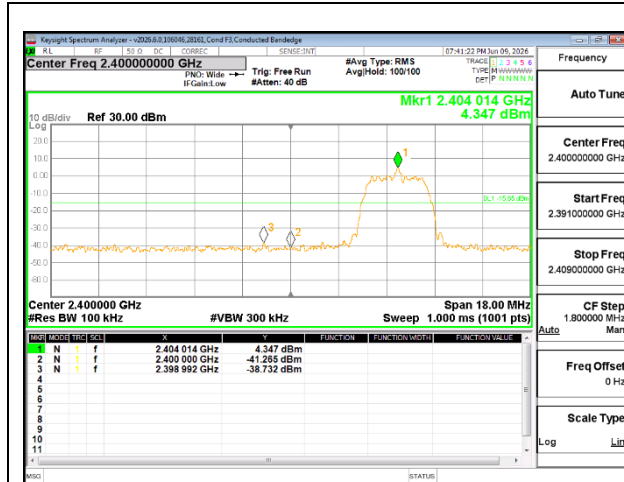
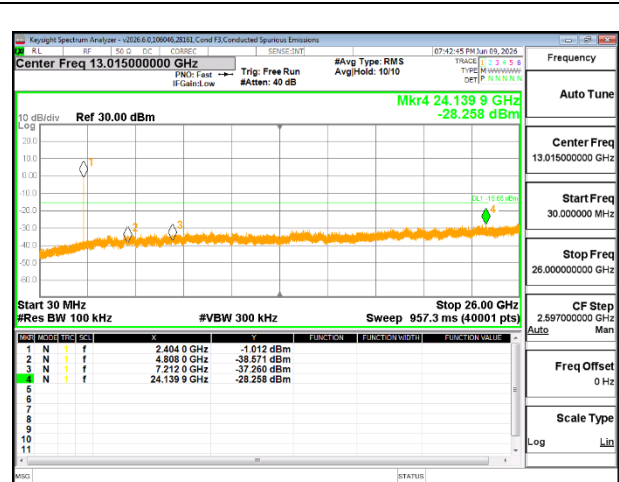
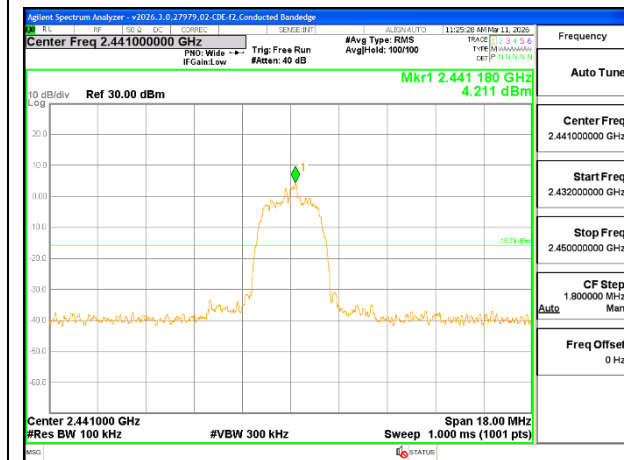


ANT 3

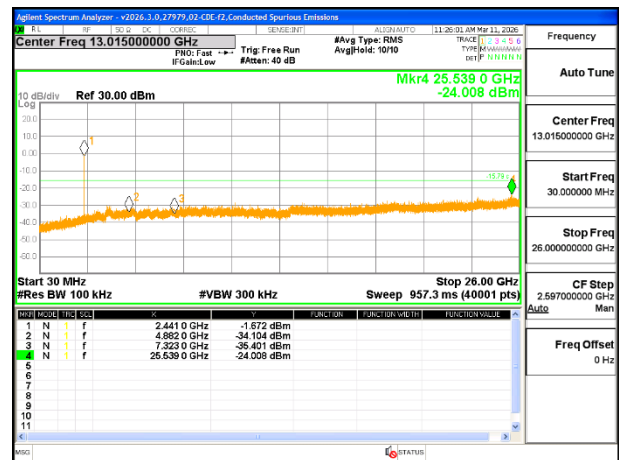
LOW CHANNEL BAND EDGE



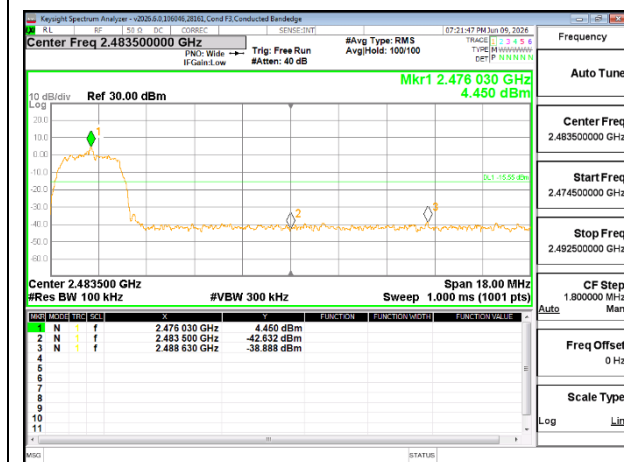
LOW CHANNEL OUT-OF-BAND



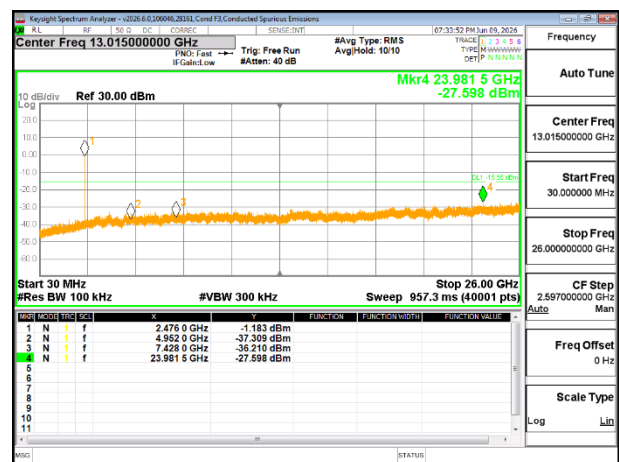
IN-BAND REFERENCE LEVEL



MID CHANNEL OUT-OF-BAND



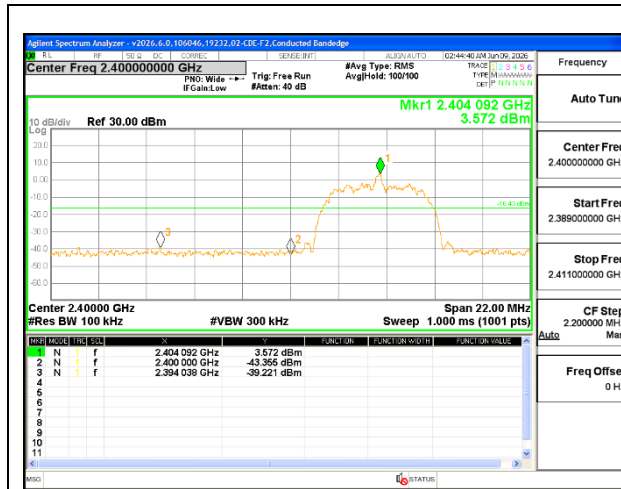
HIGH CHANNEL BAND EDGE



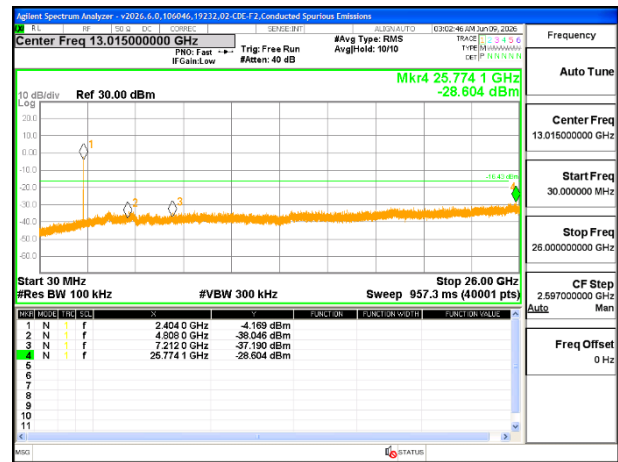
HIGH CHANNEL OUT-OF-BAND

9.6.7. HDR8 – LOW POWER – SISO

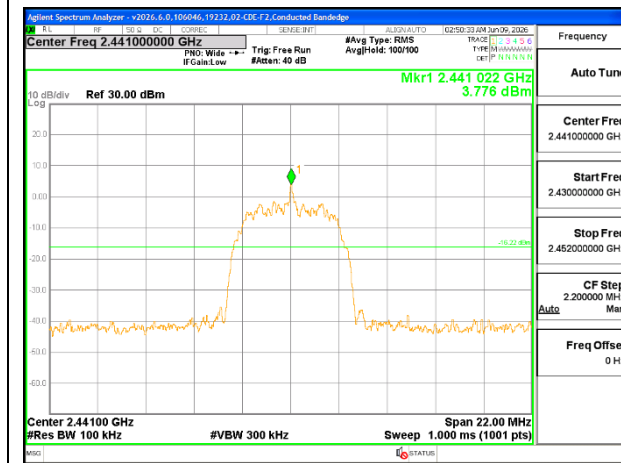
ANT 4



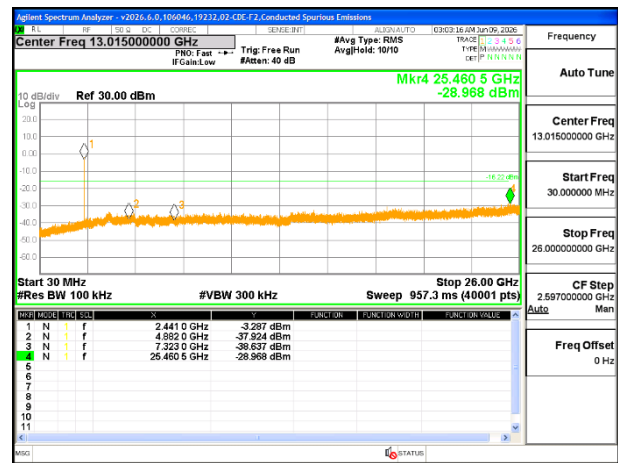
LOW CHANNEL BAND EDGE



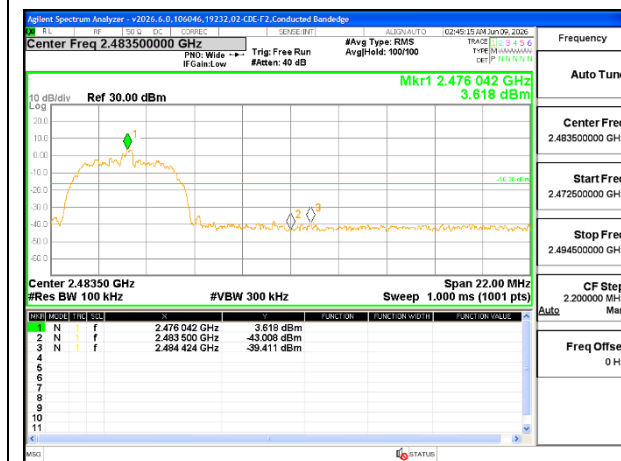
LOW CHANNEL OUT-OF-BAND



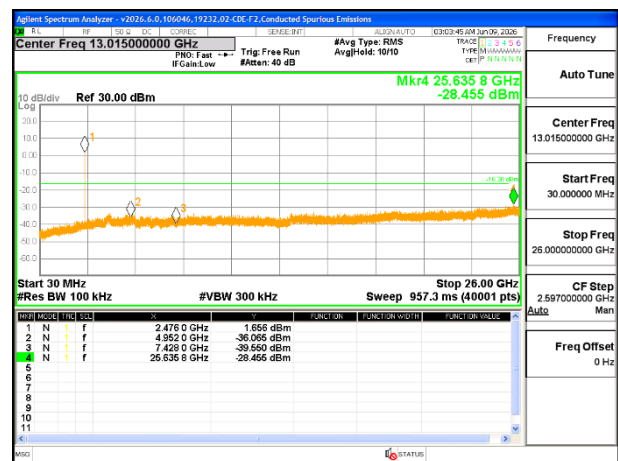
IN-BAND REFERENCE LEVEL



MID CHANNEL OUT-OF-BAND



HIGH CHANNEL BAND EDGE



HIGH CHANNEL OUT-OF-BAND

[illegible]

KeySight Spectrum Analyzer - v2020.0.0.100060.00260, Const F3 Conducted Spurious Emissions

RF L1 RF 50 dB -50 dB COMPASS SENSE INT 67.55-67.74 MHz Jun 06, 2024

Center Freq **13.015000000 GHz** Trig: Free Run Avg Type: RMS Avg/Hold: 10/10 TYPE: **ANALOG** REF: **10.000000**

TNO: Fast IF Gains: Low Batten: 40 dB

Mkr4 25.934 4 GHz -27.334 dBm

10 dB/div Ref 30.00 dBm

Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 957.3 ms (40001 pts) Stop 20 MHz

CF Step 2.597000000 MHz Auto Man

Frequency Offset 0 Hz

Scale Type Log Lin

Chan	N	F	F	W	Level (dBm)	Level (dBm)	Level (dBm)
1	N	1	f	2.404 0 GHz	-3.407 dBm		
2	N	1	f	4.808 0 GHz	-38.512 dBm		
3	N	1	f	7.212 0 GHz	-37.786 dBm		
4	N	1	f	25.934 4 GHz	-27.334 dBm		

Agilent Spectrum Analyzer +2026.2.1.27979,undefined,Conducted Bandedge

18.1 dBm (100.000000 GHz) (100.000000 GHz) (100.000000 GHz)

Center Freq 2.441000000 GHz

PRO: Wide → Trig: Free Run #Avg Type: RMS Arg/Hold: 100/100

IF Gain: Low #atten: 40 dB

Auto Tune

Frequency

Center Freq 2.441000000 GHz

Start Freq 2.430000000 GHz

Stop Freq 2.450000000 GHz

CF Step 2.200000 MHz

Auto

Freq Offset 0 Hz

10 dBdBiV Log Ref 30.00 dBm

Mkr1 2.440 846 GHz 3.353 dBm

-18.05 dBm

Center 2.441000 GHz #VBW 300 kHz Span 22.00 MHz #Res BW 100 kHz Sweep 1.000 ms (1001 pts)

[illegible]

Keysight Spectrum Analyzer - v2020.0.0.00000.20002, Const F2 Conducted Embedding

Center Freq 2.483500000 GHz

Trig: Free Run

#Avg Type: RMS

06:56:28 PM Jun 05, 2020

Frequency

Auto Tune

Center Freq 2.483500000 GHz

Start Freq 2.472500000 GHz

Stop Freq 2.494500000 GHz

CF Step 2.200000 MHz

Auto

Freq Offset 0 Hz

Scale Type Lin

Log Lin

Span 22.00 MHz

Sweep 1.000 ms (1001 pts)

#Res BW 100 kHz

#VBW 300 kHz

Ref 30.00 dBm

Mkr1 2.476 174 GHz 3.103 dBm

Marker	Mode	Freq	Scale	Value	Function	Function Width	Function Gain
1	N	2.476 174 GHz	f	3.103 dBm			
2	N	2.483 500 GHz	f	-41.837 dBm			
3	N	2.490 430 GHz	f	-38.565 dBm			

Keysight Spectrum Analyzer - v2020.0.110606.20205, Cond F3, Conducted Spurious Emissions

RF: 0.000000 GHz, Span: 30.000000 GHz, Freq: 25.793000 GHz, Span: 30.000000 GHz

Center Freq 13.015000000 GHz

Ref 30.00 dBm

Trig: Free Run, #Att: 40 dB

#Avg Type: RMS, AvgHold: 10/10

06:58:57 PM Jun 06, 2024

Trace 1: 1 of 1, Type: Normal, Ref: 1.000000, Det: Peak, Video: 1.000000

Frequency

Auto Tune

Center Freq 13.015000000 GHz

Start Freq 30.000000 MHz

Stop Freq 28.000000 GHz

CF Step 2.587700000 GHz

Auto

Freq Offset 0 Hz

Scale Type Lin

Log Lin

STATUS

10 dB/div

Ref 30.00 dBm

Mkr4 25.793 5 GHz -27.422 dBm

25.1 -28.000 dBm

Start 30 MHz

#Res BW 100 kHz

#VBW 300 kHz

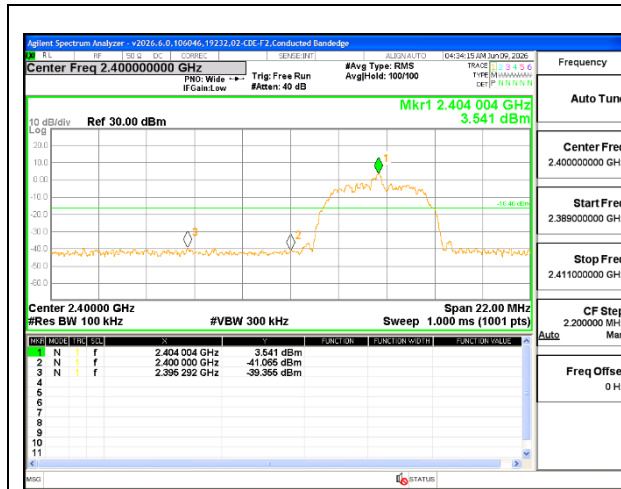
Sweep 957.3 ms (40001 pts)

Stop 26.00 GHz

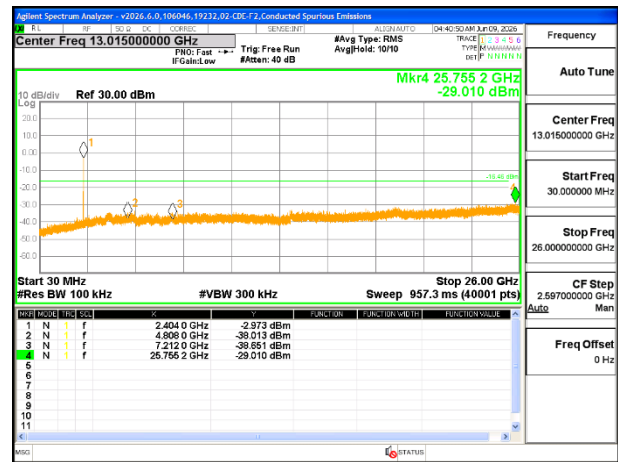
Row	Mode	Freq	Span	X	Y	Function	Function Width	Function Value
1	N	1	f	2.476 0 GHz	-4.341 dBm			
2	N	1	f	4.882 0 GHz	-36.865 dBm			
3	N	1	f	7.428 0 GHz	-38.535 dBm			
4	N	1	f	25.793 5 GHz	-27.422 dBm			

9.6.8. HDR8 – LOW POWER – MIMO TXBF

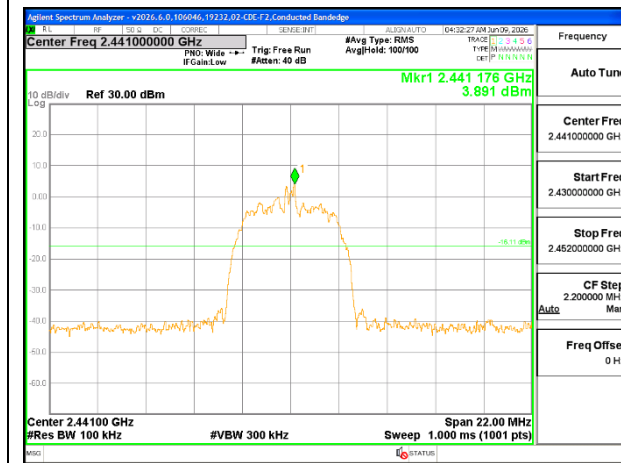
ANT 4



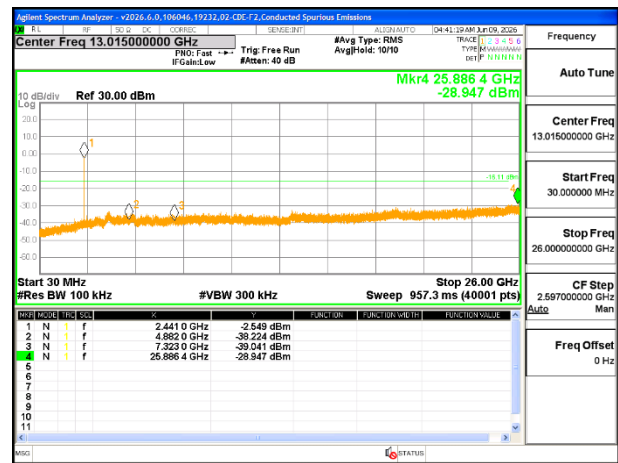
LOW CHANNEL BAND EDGE



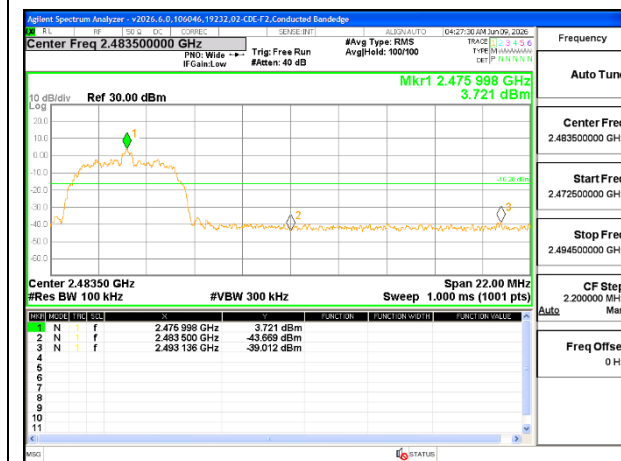
LOW CHANNEL OUT-OF-BAND



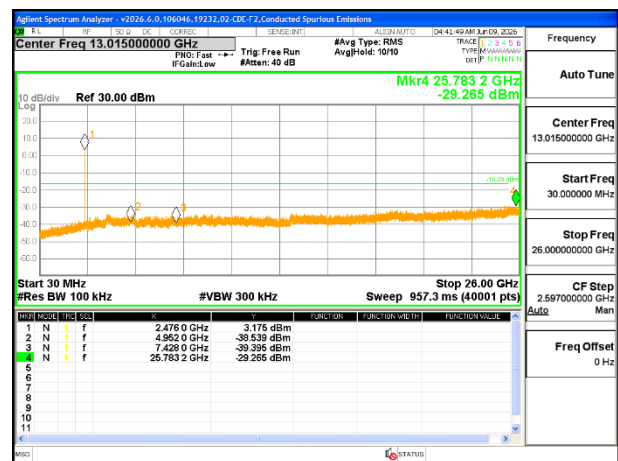
IN-BAND REFERENCE LEVEL



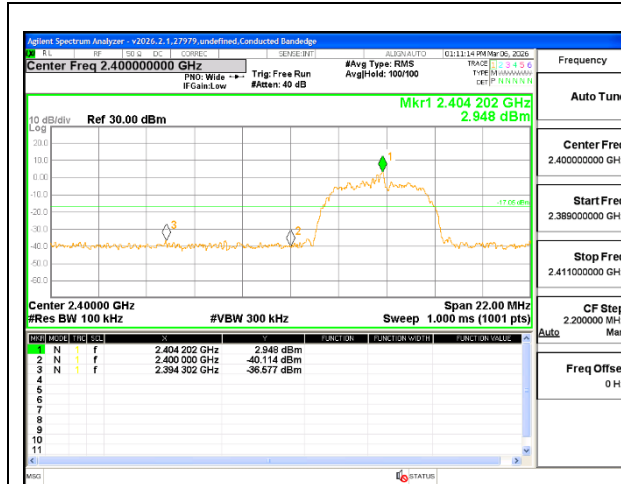
MID CHANNEL OUT-OF-BAND



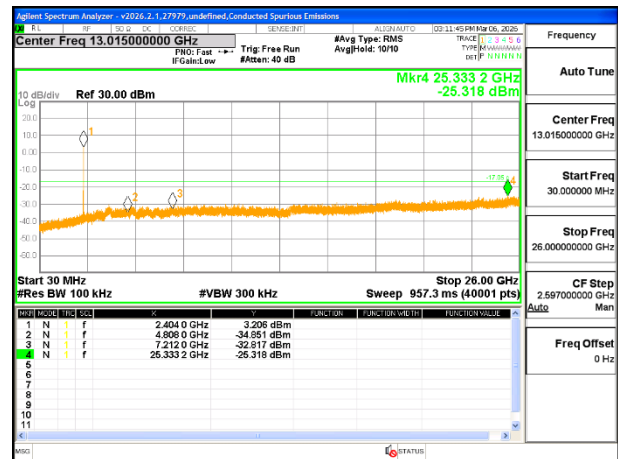
HIGH CHANNEL BAND EDGE



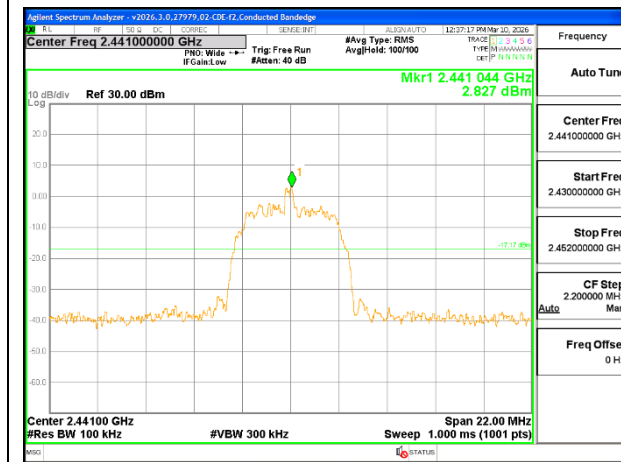
HIGH CHANNEL OUT-OF-BAND

ANT 3

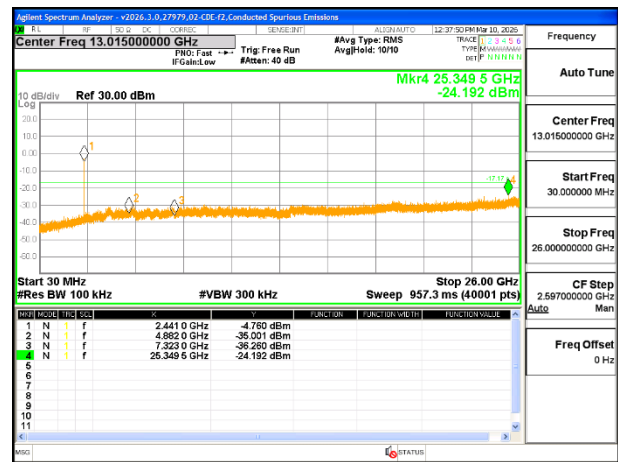
LOW CHANNEL BAND EDGE



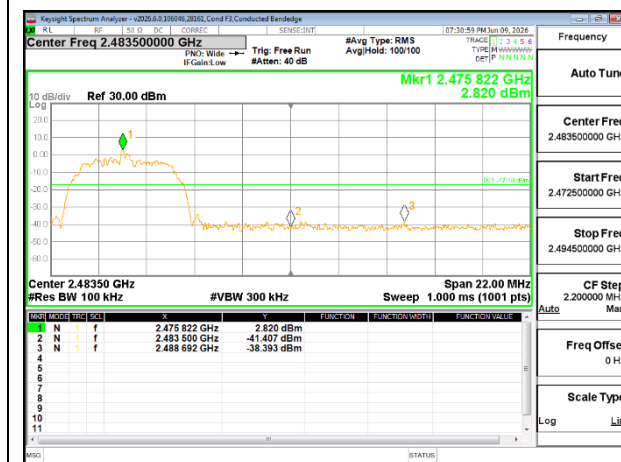
LOW CHANNEL OUT-OF-BAND



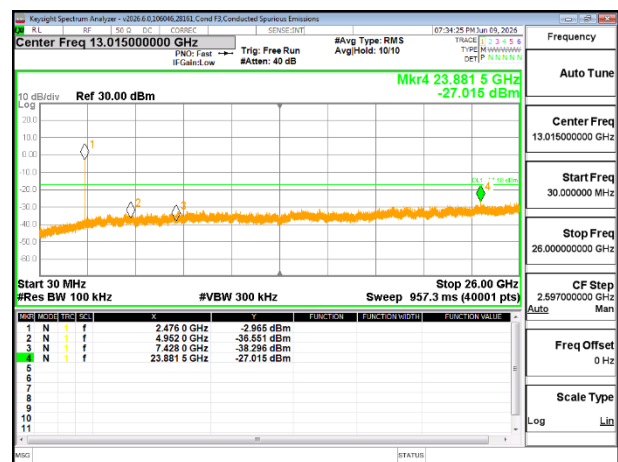
IN-BAND REFERENCE LEVEL



MID CHANNEL OUT-OF-BAND



HIGH CHANNEL BAND EDGE



HIGH CHANNEL OUT-OF-BAND

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**STATE A****10.1.1. LOW BAND EDGE – HIGH POWER – SISO**

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4	* 2.39	60.74	Pk	32.3	-38.55	0	54.49	-	-	74	-19.51	167	293	H
			* 2.355851	62.97	Pk	32.1	-38.66	0	56.41	-	-	74	-17.59	167	293	H
			* 2.39	50.06	RMS	32.3	-38.55	1.3	45.11	54	-8.89	-	-	167	293	H
			* 2.381092	50.91	RMS	32.2	-38.57	1.3	45.84	54	-8.16	-	-	167	293	H
			* 2.39	60.06	Pk	32.3	-38.55	0	53.81	-	-	74	-20.19	164	294	V
			* 2.388355	62.9	Pk	32.3	-38.57	0	56.63	-	-	74	-17.37	164	294	V
		3	* 2.39	49.88	RMS	32.3	-38.55	1.3	44.93	54	-9.07	-	-	164	294	V
			* 2.388209	50.96	RMS	32.3	-38.57	1.3	45.99	54	-8.01	-	-	164	294	V
			* 2.39	59.83	Pk	32.3	-38.55	0	53.58	-	-	74	-20.42	56	294	H
			* 2.367409	62.94	Pk	32.2	-38.64	0	56.5	-	-	74	-17.5	56	294	H
			* 2.39	49.76	RMS	32.3	-38.55	1.3	44.81	54	-9.19	-	-	56	294	H
			* 2.388108	50.85	RMS	32.3	-38.57	1.3	45.88	54	-8.12	-	-	56	294	H
			* 2.39	60.44	Pk	32.3	-38.55	0	54.19	-	-	74	-19.81	66	290	V
			* 2.349199	62.93	Pk	32.1	-38.63	0	56.4	-	-	74	-17.6	66	290	V
			* 2.39	49.96	RMS	32.3	-38.55	1.3	45.01	54	-8.99	-	-	66	290	V
			* 2.372402	50.96	RMS	32.2	-38.62	1.3	45.84	54	-8.16	-	-	66	290	V
HDR8	2404	4	* 2.39	60.1	Pk	32.3	-38.55	0	53.85	-	-	74	-20.15	58	121	H
			* 2.366856	63.14	Pk	32.2	-38.63	0	56.71	-	-	74	-17.29	58	121	H
			* 2.39	49.54	RMS	32.3	-38.55	1.28	44.57	54	-9.43	-	-	58	121	H
			* 2.385298	51	RMS	32.2	-38.58	1.28	45.9	54	-8.1	-	-	58	121	H
			* 2.39	61.01	Pk	32.3	-38.55	0	54.76	-	-	74	-19.24	49	228	V
			* 2.388952	62.75	Pk	32.3	-38.56	0	56.49	-	-	74	-17.51	49	228	V
		3	* 2.39	49.5	RMS	32.3	-38.55	1.28	44.53	54	-9.47	-	-	49	228	V
			* 2.380102	50.95	RMS	32.2	-38.57	1.28	45.86	54	-8.14	-	-	49	228	V
			* 2.39	60.84	Pk	32.3	-38.55	0	54.59	-	-	74	-19.41	115	183	H
			* 2.385546	63.19	Pk	32.2	-38.59	0	56.8	-	-	74	-17.2	115	183	H
			* 2.39	49.28	RMS	32.3	-38.55	1.28	44.31	54	-9.69	-	-	115	183	H
			* 2.389767	50.64	RMS	32.3	-38.55	1.28	45.67	54	-8.33	-	-	115	183	H
			* 2.39	60.52	Pk	32.3	-38.55	0	54.27	-	-	74	-19.73	106	170	V
			* 2.387001	63.25	Pk	32.2	-38.58	0	56.87	-	-	74	-17.13	106	170	V
			* 2.39	50.45	RMS	32.3	-38.55	1.28	45.48	54	-8.52	-	-	106	170	V
			* 2.389592	50.78	RMS	32.3	-38.55	1.28	45.81	54	-8.19	-	-	106	170	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.2. LOW BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 2.39	60.31	Pk	32.3	-38.55	0	54.06	-	-	74	-19.94	176	127	H
			* 2.388937	62.44	Pk	32.3	-38.56	0	56.18	-	-	74	-17.82	176	127	H
			* 2.39	49.96	RMS	32.3	-38.55	1.3	45.01	54	-8.99	-	-	176	127	H
			* 2.384221	50.91	RMS	32.2	-38.56	1.3	45.85	54	-8.15	-	-	176	127	H
			* 2.39	60.15	Pk	32.3	-38.55	0	53.9	-	-	74	-20.1	162	130	V
			* 2.375255	63.21	Pk	32.2	-38.61	0	56.8	-	-	74	-17.2	162	130	V
			* 2.39	49.82	RMS	32.3	-38.55	1.3	44.87	54	-9.13	-	-	162	130	V
HDR8	2404	4 + 3	* 2.380946	50.99	RMS	32.2	-38.57	1.3	45.92	54	-8.08	-	-	162	130	V
			* 2.39	60.41	Pk	32.3	-38.55	0	54.16	-	-	74	-19.84	40	141	H
			* 2.387234	63.08	Pk	32.2	-38.58	0	56.7	-	-	74	-17.3	40	141	H
			* 2.39	49.69	RMS	32.3	-38.55	1.28	44.72	54	-9.28	-	-	40	141	H
			* 2.389898	50.83	RMS	32.3	-38.55	1.28	45.86	54	-8.14	-	-	40	141	H
			* 2.39	60.75	Pk	32.3	-38.55	0	54.5	-	-	74	-19.5	56	111	V
			* 2.348253	63.36	Pk	32	-38.64	0	56.72	-	-	74	-17.28	56	111	V
			* 2.39	50.04	RMS	32.3	-38.55	1.28	45.07	54	-8.93	-	-	56	111	V
			* 2.38834	51.05	RMS	32.3	-38.57	1.28	46.06	54	-7.94	-	-	56	111	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.3. LOW BAND EDGE – LOW POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4	* 2.39	59.93	Pk	32.3	-38.55	0	53.68	-	-	74	-20.32	173	292	H
			* 2.383959	62.69	Pk	32.2	-38.56	0	56.33	-	-	74	-17.67	173	292	H
			* 2.39	50.68	RMS	32.3	-38.55	1.3	45.73	54	-8.27	-	-	173	292	H
			* 2.364789	51.02	RMS	32.2	-38.64	1.3	45.88	54	-8.12	-	-	173	292	H
			* 2.39	60.15	Pk	32.3	-38.55	0	53.9	-	-	74	-20.1	84	229	V
			* 2.368501	62.48	Pk	32.2	-38.63	0	56.05	-	-	74	-17.95	84	229	V
			* 2.39	50.27	RMS	32.3	-38.55	1.3	45.32	54	-8.68	-	-	84	229	V
			* 2.374774	50.88	RMS	32.2	-38.61	1.3	45.77	54	-8.23	-	-	84	229	V
		3	* 2.39	60.72	Pk	32.3	-38.55	0	54.47	-	-	74	-19.53	151	245	H
			* 2.344148	63.26	Pk	32	-38.66	0	56.6	-	-	74	-17.4	151	245	H
			* 2.39	50.09	RMS	32.3	-38.55	1.3	45.14	54	-8.86	-	-	151	245	H
			* 2.384716	50.93	RMS	32.2	-38.57	1.3	45.86	54	-8.14	-	-	151	245	H
			* 2.39	60.23	Pk	32.3	-38.55	0	53.98	-	-	74	-20.02	57	292	V
			* 2.372969	63.28	Pk	32.2	-38.61	0	56.87	-	-	74	-17.13	57	292	V
			* 2.39	49.59	RMS	32.3	-38.55	1.3	44.64	54	-9.36	-	-	57	292	V
			* 2.388588	50.74	RMS	32.3	-38.56	1.3	45.78	54	-8.22	-	-	57	292	V
HDR8	2404	4	* 2.39	60.68	Pk	32.3	-38.55	0	54.43	-	-	74	-19.57	170	363	H
			* 2.336041	63.39	Pk	32	-38.65	0	56.74	-	-	74	-17.26	170	363	H
			* 2.39	49.93	RMS	32.3	-38.55	1.28	44.96	54	-9.04	-	-	170	363	H
			* 2.385255	51.23	RMS	32.2	-38.58	1.28	46.13	54	-7.87	-	-	170	363	H
			* 2.39	60.62	Pk	32.3	-38.55	0	54.37	-	-	74	-19.63	66	253	V
			* 2.389592	62.83	Pk	32.3	-38.55	0	56.58	-	-	74	-17.42	66	253	V
			* 2.39	50.07	RMS	32.3	-38.55	1.28	45.1	54	-8.9	-	-	66	253	V
			* 2.377729	51.12	RMS	32.2	-38.59	1.28	46.01	54	-7.99	-	-	66	253	V
		3	* 2.39	60.61	Pk	32.3	-38.55	0	54.36	-	-	74	-19.64	132	140	H
			* 2.377482	62.78	Pk	32.2	-38.59	0	56.39	-	-	74	-17.61	132	140	H
			* 2.39	49.61	RMS	32.3	-38.55	1.28	44.64	54	-9.36	-	-	132	140	H
			* 2.37476	51.13	RMS	32.2	-38.61	1.28	46	54	-8	-	-	132	140	H
			* 2.39	60.34	Pk	32.3	-38.55	0	54.09	-	-	74	-19.91	75	258	V
			* 2.3546	63.1	Pk	32.1	-38.66	0	56.54	-	-	74	-17.46	75	258	V
			* 2.39	50.55	RMS	32.3	-38.55	1.28	45.58	54	-8.42	-	-	75	258	V
			* 2.388966	50.99	RMS	32.3	-38.56	1.28	46.01	54	-7.99	-	-	75	258	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

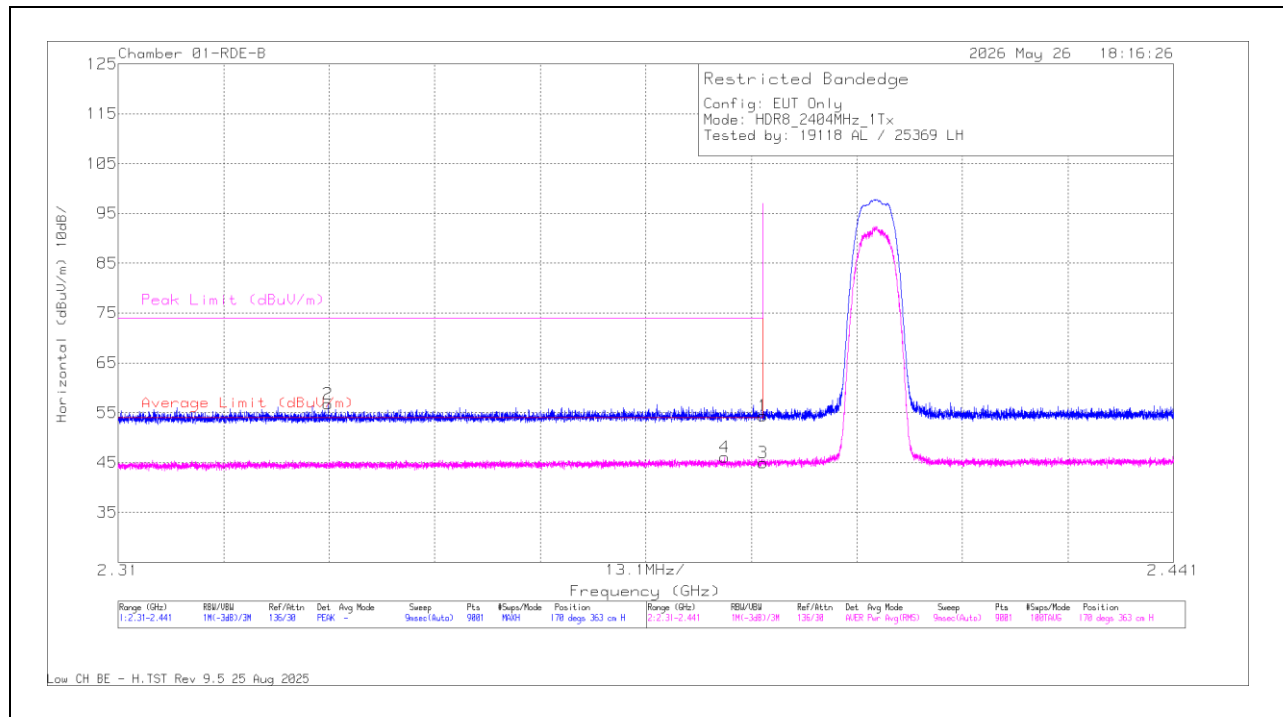
10.1.4. LOW BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 2.39	60.23	Pk	32.3	-38.55	0	53.98	-	-	74	-20.02	187	102	H
			* 2.356448	62.77	Pk	32.1	-38.66	0	56.21	-	-	74	-17.79	187	102	H
			* 2.39	50.15	RMS	32.3	-38.55	1.3	45.2	54	-8.8	-	-	187	102	H
			* 2.387991	50.76	RMS	32.3	-38.57	1.3	45.79	54	-8.21	-	-	187	102	H
			* 2.39	60.08	Pk	32.3	-38.55	0	53.83	-	-	74	-20.17	81	109	V
			* 2.370466	63.9	Pk	32.2	-38.62	0	57.48	-	-	74	-16.52	81	109	V
			* 2.39	49.55	RMS	32.3	-38.55	1.3	44.6	54	-9.4	-	-	81	109	V
HDR8	2404	4 + 3	* 2.388937	50.7	RMS	32.3	-38.56	1.3	45.74	54	-8.26	-	-	81	109	V
			* 2.39	60.86	Pk	32.3	-38.55	0	54.61	-	-	74	-19.39	184	105	H
			* 2.386783	63.11	Pk	32.2	-38.58	0	56.73	-	-	74	-17.27	184	105	H
			* 2.39	49.86	RMS	32.3	-38.55	1.28	44.89	54	-9.11	-	-	184	105	H
			* 2.388733	50.87	RMS	32.3	-38.56	1.28	45.89	54	-8.11	-	-	184	105	H
			* 2.39	60.07	Pk	32.3	-38.55	0	53.82	-	-	74	-20.18	125	229	V
			* 2.323916	63.46	Pk	31.9	-38.66	0	56.7	-	-	74	-17.3	125	229	V
			* 2.39	49.84	RMS	32.3	-38.55	1.28	44.87	54	-9.13	-	-	125	229	V
			* 2.388544	50.73	RMS	32.3	-38.56	1.28	45.75	54	-8.25	-	-	125	229	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.5. LOW BAND EDGE – WORST-CASE**HDR8 / 2404 MHz / LOW POWER / SISO ANT 4****HORIZONTAL RESULT****MEASURED DATA**

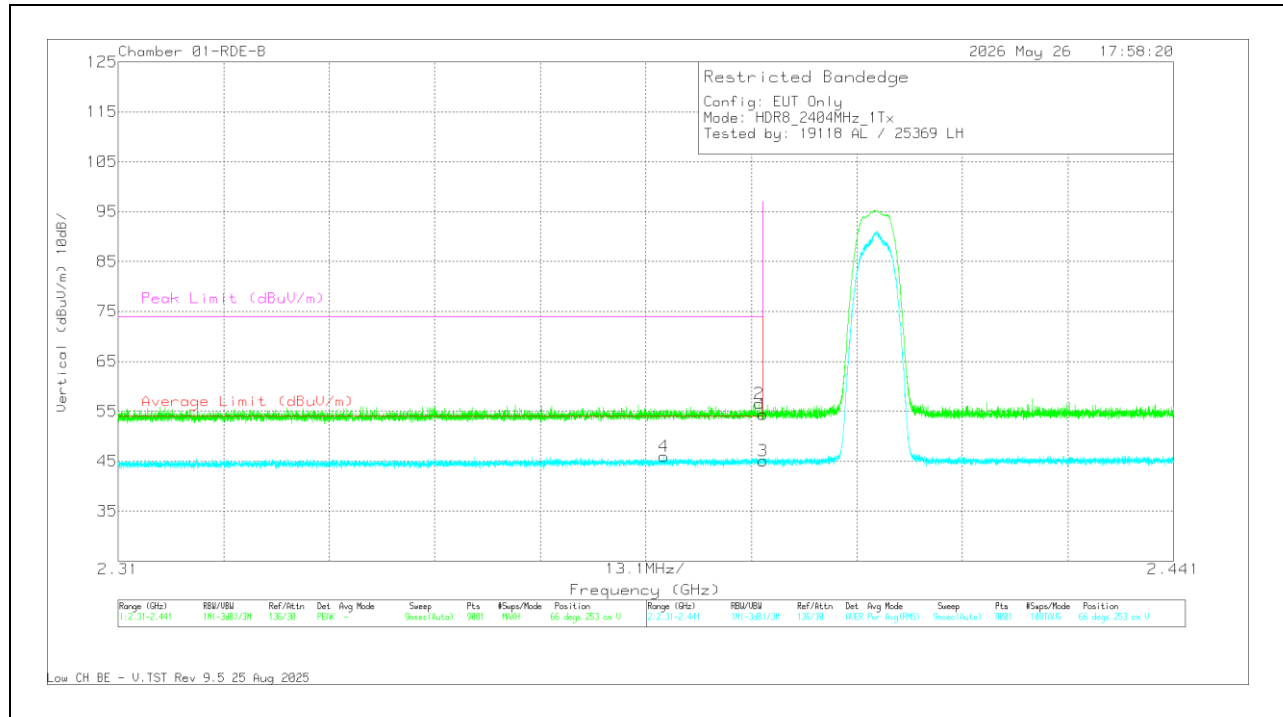
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.68	Pk	32.3	-38.55	0	54.43	-	-	74	-19.57	170	363	H
2	* 2.336041	63.39	Pk	32	-38.65	0	56.74	-	-	74	-17.26	170	363	H
3	* 2.39	49.93	RMS	32.3	-38.55	1.28	44.96	54	-9.04	-	-	170	363	H
4	* 2.385255	51.23	RMS	32.2	-38.58	1.28	46.13	54	-7.87	-	-	170	363	H

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF (dB/m)	Gain/Loss (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	60.62	Pk	32.3	-38.55	0	54.37	-	-	74	-19.63	66	253	V
2	* 2.389592	62.83	Pk	32.3	-38.55	0	56.58	-	-	74	-17.42	66	253	V
3	* 2.39	50.07	RMS	32.3	-38.55	1.28	45.1	54	-8.9	-	-	66	253	V
4	* 2.377729	51.12	RMS	32.2	-38.59	1.28	46.01	54	-7.99	-	-	66	253	V

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.6. HIGH BAND EDGE – HIGH POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4	* 2.4835	61.01	Pk	32.4	-38.32	0	55.09	-	-	74	-18.91	158	279	H
			* 2.48362	63	Pk	32.4	-38.32	0	57.08	-	-	74	-16.92	158	279	H
			* 2.4835	49.09	RMS	32.4	-38.32	1.3	44.47	54	-9.53	-	-	158	279	H
			* 2.498505	50.99	RMS	32.5	-38.29	1.3	46.5	54	-7.5	-	-	158	279	H
			* 2.4835	61.37	Pk	32.4	-38.32	0	55.45	-	-	74	-18.55	170	316	V
			2.561106	63.34	Pk	32.5	-38.1	0	57.74	-	-	-	-	170	316	V
			* 2.4835	49.52	RMS	32.4	-38.32	1.3	44.9	54	-9.1	-	-	170	316	V
			2.540528	50.77	RMS	32.5	-38.15	1.3	46.42	-	-	-	-	170	316	V
		3	* 2.4835	60.69	Pk	32.4	-38.32	0	54.77	-	-	74	-19.23	124	371	H
			2.505865	62.97	Pk	32.5	-38.24	0	57.23	-	-	-	-	124	371	H
			* 2.4835	50.01	RMS	32.4	-38.32	1.3	45.39	54	-8.61	-	-	124	371	H
			2.556362	50.79	RMS	32.5	-38.05	1.3	46.54	-	-	-	-	124	371	H
			* 2.4835	60.22	Pk	32.4	-38.32	0	54.3	-	-	74	-19.7	166	361	V
			2.555155	63.25	Pk	32.5	-38.06	0	57.69	-	-	-	-	166	361	V
			* 2.4835	49.94	RMS	32.4	-38.32	1.3	45.32	54	-8.68	-	-	166	361	V
			2.558327	50.6	RMS	32.5	-38.06	1.3	46.34	-	-	-	-	166	361	V
HDR8	2476	4	* 2.4835	60.89	Pk	32.4	-38.32	0	54.97	-	-	74	-19.03	162	312	H
			2.551847	62.89	Pk	32.5	-38.06	0	57.33	-	-	-	-	162	312	H
			* 2.4835	49.45	RMS	32.4	-38.32	1.28	44.81	54	-9.19	-	-	162	312	H
			2.546601	50.9	RMS	32.5	-38.13	1.28	46.55	-	-	-	-	162	312	H
			* 2.4835	60.66	Pk	32.4	-38.32	0	54.74	-	-	74	-19.26	150	274	V
			2.534862	63.2	Pk	32.5	-38.16	0	57.54	-	-	-	-	150	274	V
			* 2.4835	49.34	RMS	32.4	-38.32	1.28	44.7	54	-9.3	-	-	150	274	V
			* 2.485247	51.07	RMS	32.4	-38.3	1.28	46.45	54	-7.55	-	-	150	274	V
		3	* 2.4835	60.81	Pk	32.4	-38.32	0	54.89	-	-	74	-19.11	119	227	H
			2.520736	63.6	Pk	32.5	-38.21	0	57.89	-	-	-	-	119	227	H
			* 2.4835	49.67	RMS	32.4	-38.32	1.28	45.03	54	-8.97	-	-	119	227	H
			2.529222	51.1	RMS	32.5	-38.18	1.28	46.7	-	-	-	-	119	227	H
			* 2.4835	60.35	Pk	32.4	-38.32	0	54.43	-	-	74	-19.57	31	315	V
			2.555575	63.04	Pk	32.5	-38.05	0	57.49	-	-	-	-	31	315	V
			* 2.4835	49.87	RMS	32.4	-38.32	1.28	45.23	54	-8.77	-	-	31	315	V
			2.542399	51.01	RMS	32.5	-38.15	1.28	46.64	-	-	-	-	31	315	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.7. HIGH BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4 + 3	* 2.4835	60.26	Pk	32.4	-38.32	0	54.34	-	-	74	-19.66	109	107	H
			2.545503	63.02	Pk	32.5	-38.13	0	57.39	-	-	74	-16.61	109	107	H
			* 2.4835	50.24	RMS	32.4	-38.32	1.3	45.62	54	-8.38	-	-	109	107	H
			* 2.495617	50.88	RMS	32.5	-38.28	1.3	46.4	54	-7.6	-	-	109	107	H
			* 2.4835	60.35	Pk	32.4	-38.32	0	54.43	-	-	74	-19.57	230	372	V
			2.53676	62.94	Pk	32.5	-38.17	0	57.27	-	-	-	-	230	372	V
			* 2.4835	49.49	RMS	32.4	-38.32	1.3	44.87	54	-9.13	-	-	230	372	V
HDR8	2476	4 + 3	2.527989	50.97	RMS	32.5	-38.19	1.3	46.58	-	-	-	-	230	372	V
			* 2.4835	60.78	Pk	32.4	-38.32	0	54.86	-	-	74	-19.14	167	161	H
			2.528558	63.37	Pk	32.5	-38.18	0	57.69	-	-	74	-	167	161	H
			* 2.4835	50.22	RMS	32.4	-38.32	1.28	45.58	54	-8.42	-	-	167	161	H
			2.560943	50.88	RMS	32.5	-38.1	1.28	46.56	-	-	-	-	167	161	H
			* 2.4835	61.29	Pk	32.4	-38.32	0	55.37	-	-	74	-18.63	72	126	V
			2.530185	63.3	Pk	32.5	-38.19	0	57.61	-	-	74	-	72	126	V
			* 2.4835	49.34	RMS	32.4	-38.32	1.28	44.7	54	-9.3	-	-	72	126	V
			2.559574	50.7	RMS	32.5	-38.08	1.28	46.4	-	-	-	-	72	126	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.8. HIGH BAND EDGE – LOW POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4	* 2.4835	61.12	Pk	32.4	-38.32	0	55.2	-	-	74	-18.8	71	217	H
			2.504063	62.91	Pk	32.5	-38.26	0	57.15	-	-	-	-	71	217	H
			* 2.4835	49.78	RMS	32.4	-38.32	1.3	45.16	54	-8.84	-	-	71	217	H
			2.556728	50.77	RMS	32.5	-38.05	1.3	46.52	-	-	-	-	71	217	H
			* 2.4835	60.2	Pk	32.4	-38.32	0	54.28	-	-	74	-19.72	52	216	V
			2.560374	62.86	Pk	32.5	-38.09	0	57.27	-	-	-	-	52	216	V
			* 2.4835	50.21	RMS	32.4	-38.32	1.3	45.59	54	-8.41	-	-	52	216	V
			2.5238	50.83	RMS	32.5	-38.19	1.3	46.44	-	-	-	-	52	216	V
		3	* 2.4835	61.05	Pk	32.4	-38.32	0	55.13	-	-	74	-18.87	134	114	H
			2.542223	62.91	Pk	32.5	-38.15	0	57.26	-	-	-	-	134	114	H
			* 2.4835	49.61	RMS	32.4	-38.32	1.3	44.99	54	-9.01	-	-	134	114	H
			2.513619	50.87	RMS	32.5	-38.22	1.3	46.45	-	-	-	-	134	114	H
			* 2.4835	60.37	Pk	32.4	-38.32	0	54.45	-	-	74	-19.55	43	315	V
			2.554979	62.74	Pk	32.5	-38.06	0	57.18	-	-	-	-	43	315	V
			* 2.4835	49.92	RMS	32.4	-38.32	1.3	45.3	54	-8.7	-	-	43	315	V
			2.560049	50.97	RMS	32.5	-38.08	1.3	46.69	-	-	-	-	43	315	V
HDR8	2476	4	* 2.4835	60.37	Pk	32.4	-38.32	0	54.45	-	-	74	-19.55	166	280	H
			* 2.489449	63.3	Pk	32.4	-38.31	0	57.39	-	-	74	-16.61	166	280	H
			* 2.4835	49.69	RMS	32.4	-38.32	1.28	45.05	54	-8.95	-	-	166	280	H
			2.548242	50.79	RMS	32.5	-38.11	1.28	46.46	-	-	-	-	166	280	H
			* 2.4835	61.01	Pk	32.4	-38.32	0	55.09	-	-	74	-18.91	68	225	V
			2.515788	63.04	Pk	32.5	-38.22	0	57.32	-	-	-	-	68	225	V
			* 2.4835	49.83	RMS	32.4	-38.32	1.28	45.19	54	-8.81	-	-	68	225	V
			2.516778	50.8	RMS	32.5	-38.22	1.28	46.36	-	-	-	-	68	225	V
		3	* 2.4835	60.86	Pk	32.4	-38.32	0	54.94	-	-	74	-19.06	127	163	H
			2.557636	62.85	Pk	32.5	-38.06	0	57.29	-	-	-	-	127	163	H
			* 2.4835	49.67	RMS	32.4	-38.32	1.28	45.03	54	-8.97	-	-	127	163	H
			2.522865	50.94	RMS	32.5	-38.21	1.28	46.51	-	-	-	-	127	163	H
			* 2.4835	61.49	Pk	32.4	-38.32	0	55.57	-	-	74	-18.43	41	319	V
			2.542928	63.56	Pk	32.5	-38.15	0	57.91	-	-	-	-	41	319	V
			* 2.4835	49.84	RMS	32.4	-38.32	1.28	45.2	54	-8.8	-	-	41	319	V
			2.51343	50.8	RMS	32.5	-38.23	1.28	46.35	-	-	-	-	41	319	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

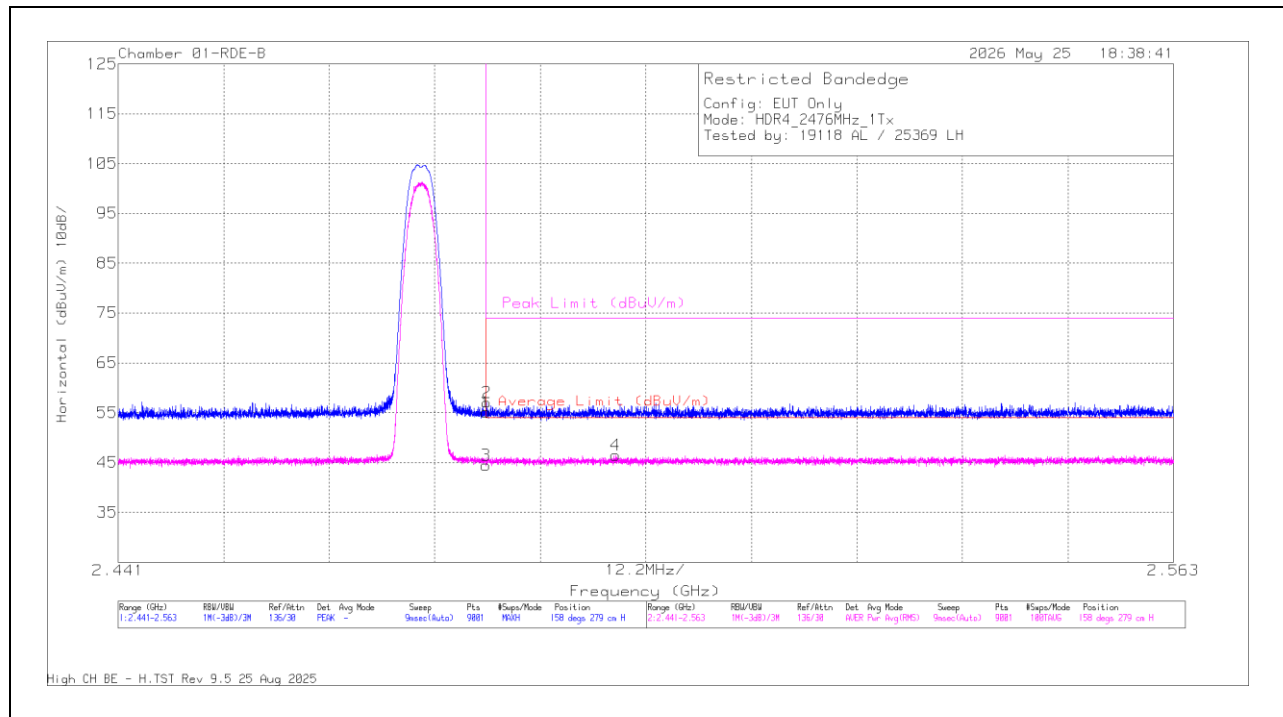
10.1.9. HIGH BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4 + 3	* 2.4835	60.68	Pk	32.4	-38.32	0	54.76	-	-	74	-19.24	161	160	H
			2.55487	63.28	Pk	32.5	-38.06	0	57.72	-	-	-	-	161	160	H
			* 2.4835	49.5	RMS	32.4	-38.32	1.3	44.88	54	-9.12	-	-	161	160	H
			2.55117	50.91	RMS	32.5	-38.08	1.3	46.63	-	-	-	-	161	160	H
			* 2.4835	60.27	Pk	32.4	-38.32	0	54.35	-	-	74	-19.65	55	153	V
			* 2.486263	63.14	Pk	32.4	-38.31	0	57.23	-	-	74	-16.77	55	153	V
			* 2.4835	49.44	RMS	32.4	-38.32	1.3	44.82	54	-9.18	-	-	55	153	V
			2.539037	51.04	RMS	32.5	-38.15	1.3	46.69	-	-	-	-	55	153	V
HDR8	2476	4 + 3	* 2.4835	60.52	Pk	32.4	-38.32	0	54.6	-	-	74	-19.4	354	334	H
			2.543375	63.01	Pk	32.5	-38.15	0	57.36	-	-	-	-	354	334	H
			* 2.4835	49.87	RMS	32.4	-38.32	1.28	45.23	54	-8.77	-	-	354	334	H
			2.506801	51.01	RMS	32.5	-38.25	1.28	46.54	-	-	-	-	354	334	H
			* 2.4835	60.09	Pk	32.4	-38.32	0	54.17	-	-	74	-19.83	263	331	V
			2.530781	62.94	Pk	32.5	-38.17	0	57.27	-	-	-	-	263	331	V
			* 2.4835	49.84	RMS	32.4	-38.32	1.28	45.2	54	-8.8	-	-	263	331	V
			2.56013	50.83	RMS	32.5	-38.08	1.28	46.53	-	-	-	-	263	331	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.10. HIGH BAND EDGE – WORST-CASE**HDR4 / 2476 MHz / HIGH POWER / SISO ANT 4****HORIZONTAL RESULT****MEASURED DATA**

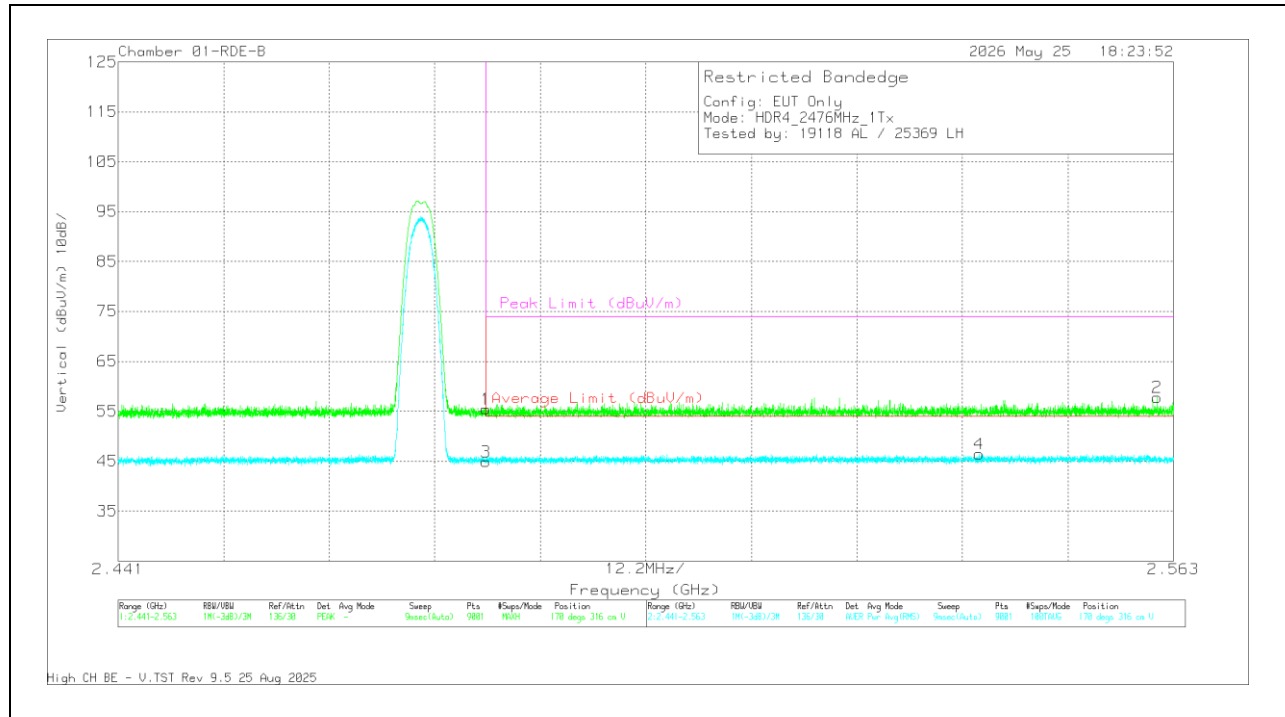
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.01	Pk	32.4	0	-38.32	55.09	-	-	74	-18.91	158	279	H
2	* 2.48362	63	Pk	32.4	0	-38.32	57.08	-	-	74	-16.92	158	279	H
3	* 2.4835	49.09	RMS	32.4	1.3	-38.32	44.47	54	-9.53	-	-	158	279	H
4	* 2.498505	50.99	RMS	32.5	1.3	-38.29	46.5	54	-7.5	-	-	158	279	H

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF (dB/m)	Gain/Loss (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	* 2.4835	61.37	Pk	32.4	0	-38.32	55.45	-	-	74	-18.55	170	316	V
2	2.561106	63.34	Pk	32.5	0	-38.1	57.74	-	-	-	-	170	316	V
3	* 2.4835	49.52	RMS	32.4	1.3	-38.32	44.9	54	-9.1	-	-	170	316	V
4	2.540528	50.77	RMS	32.5	1.3	-38.15	46.42	-	-	-	-	170	316	V

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

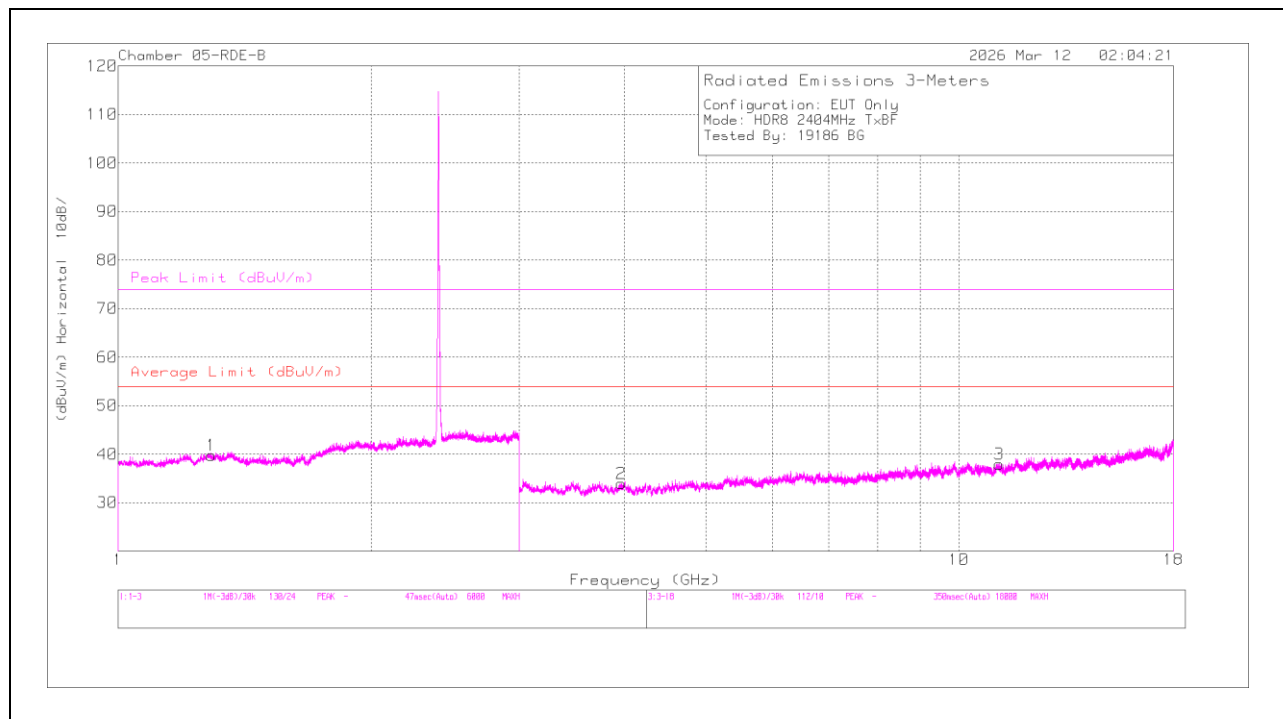
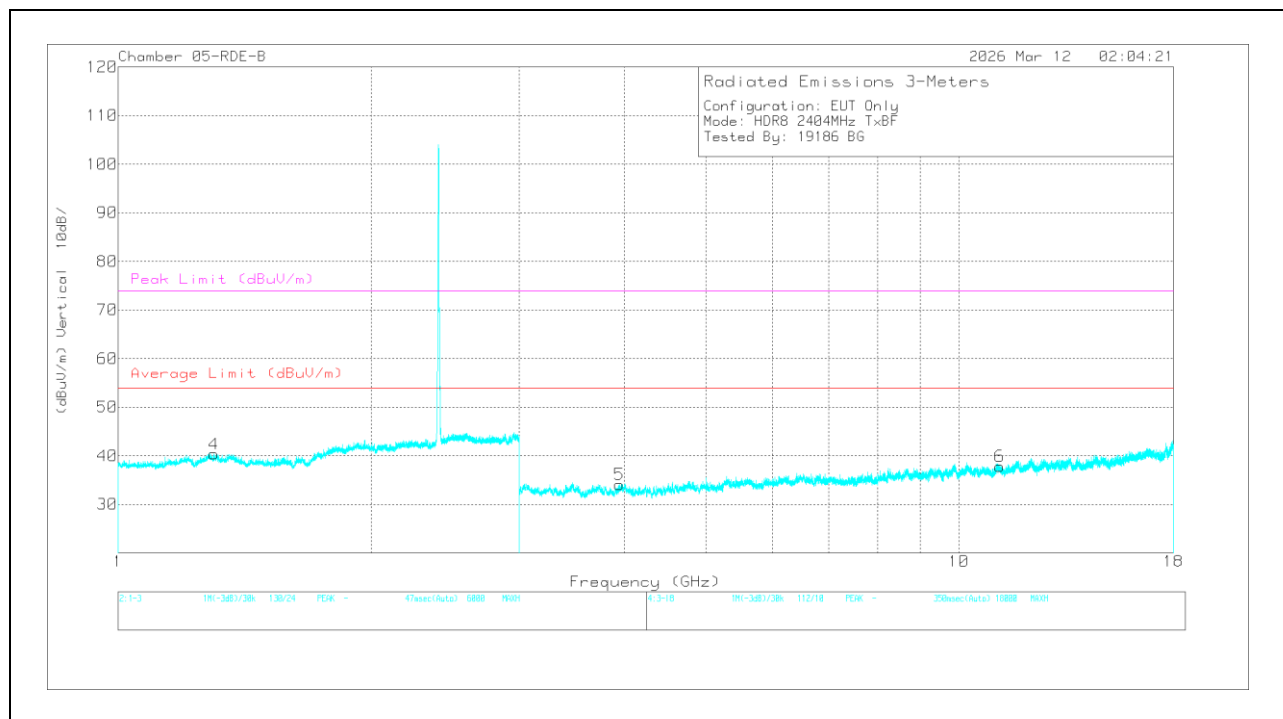
10.1.11. SPURIOUS EMISSIONS – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 4.792853	57.87	PK2	34.4	-47.87	0	44.4	-	-	74	-29.6	0	200	V
			* 4.792939	46.19	MAv1	34.4	-47.86	1.3	34.03	54	-19.97	-	-	0	101	H
			* 4.809126	58.24	PK2	34.4	-48.05	0	44.59	-	-	74	-29.41	0	101	H
			* 4.813959	46.01	MAv1	34.4	-47.98	1.3	33.73	54	-20.27	-	-	0	200	V
			7.205072	55.79	PK2	35.7	-45.66	0	45.83	-	-	-	-	0	101	H
			7.212247	43.91	MAv1	35.7	-45.54	1.3	35.37	-	-	-	-	0	101	V
			7.212705	55.33	PK2	35.7	-45.53	0	45.5	-	-	-	-	0	101	V
			7.216374	43.91	MAv1	35.7	-45.5	1.3	35.41	-	-	-	-	0	101	H
			9.604104	42.62	MAv1	36.8	-44.44	1.3	36.28	-	-	-	-	0	101	V
			9.605109	42.82	MAv1	36.8	-44.43	1.3	36.49	-	-	-	-	0	101	H
			9.609966	54.56	PK2	36.8	-44.36	0	47	-	-	-	-	0	101	H
			9.633677	54.07	PK2	36.8	-44.32	0	46.55	-	-	-	-	0	101	V
	2441	4 + 3	* 4.867268	57.39	PK2	34.4	-47.96	0	43.83	-	-	74	-30.17	0	101	H
			* 4.88169	45.88	MAv1	34.4	-47.84	1.3	33.74	54	-20.26	-	-	0	101	H
			* 4.890766	45.8	MAv1	34.4	-47.9	1.3	33.6	54	-20.4	-	-	0	101	V
			* 4.896699	57.64	PK2	34.4	-47.92	0	44.12	-	-	74	-29.88	0	101	V
			* 7.32769	55.42	PK2	35.6	-45.62	0	45.4	-	-	74	-28.6	0	101	H
			* 7.334726	43.54	MAv1	35.6	-45.7	1.3	34.74	54	-19.26	-	-	0	101	H
			* 7.342213	43.75	MAv1	35.6	-45.69	1.3	34.96	54	-19.04	-	-	0	101	V
			* 7.352537	55.6	PK2	35.6	-45.69	0	45.51	-	-	74	-28.49	0	101	V
			9.769855	54.9	PK2	37	-44.59	0	47.31	-	-	-	-	0	101	V
			9.770637	54.57	PK2	37	-44.6	0	46.97	-	-	-	-	0	101	H
			9.779944	42.86	MAv1	37	-44.51	1.3	36.65	-	-	-	-	0	101	H
			9.780046	42.9	MAv1	37	-44.51	1.3	36.69	-	-	-	-	0	101	V
	2476	4 + 3	* 1.19151	50.31	MAv1	28.4	-40.84	1.3	39.17	54	-14.83	-	-	0	101	V
			* 1.197156	50.15	MAv1	28.4	-40.84	1.3	39.01	54	-14.99	-	-	0	200	H
			* 1.19803	62.49	PK2	28.4	-40.82	0	50.07	-	-	74	-23.93	0	200	H
			* 1.213463	62.64	PK2	28.6	-40.69	0	50.55	-	-	74	-23.45	0	101	V
			* 11.745544	40.15	MAv1	38.5	-41.92	1.3	38.03	54	-15.97	-	-	0	101	H
			* 11.747481	52.65	PK2	38.5	-41.92	0	49.23	-	-	74	-24.77	0	101	H
			* 11.7584	39.96	MAv1	38.5	-41.9	1.3	37.86	54	-16.14	-	-	0	199	V
			* 11.771134	51.7	PK2	38.5	-41.69	0	48.51	-	-	74	-25.49	0	199	V
			* 3.99919	45.78	MAv1	33.5	-46.65	1.3	33.93	54	-20.07	-	-	0	200	H
			* 4.005469	57.7	PK2	33.5	-46.73	0	44.47	-	-	74	-29.53	0	101	V
			* 4.007016	45.85	MAv1	33.5	-46.81	1.3	33.84	54	-20.16	-	-	0	101	V
			* 4.014927	57.51	PK2	33.4	-46.95	0	43.96	-	-	74	-30.04	0	200	H
HDR8	2404	4 + 3	* 1.286312	61.52	PK2	29.1	-40.72	0	49.9	-	-	74	-24.1	360	101	H
			* 1.281292	49.74	MAv1	29.1	-40.7	1.28	39.42	54	-14.58	-	-	360	101	H
			* 1.29086	61.29	PK2	29.1	-40.7	0	49.69	-	-	74	-24.31	360	101	V
			* 1.283407	49.67	MAv1	29.1	-40.71	1.28	39.34	54	-14.66	-	-	360	101	V
			* 3.951714	45.74	MAv1	33.5	-47.13	1.28	33.39	54	-20.61	-	-	360	101	H
			* 3.952638	57.59	PK2	33.5	-47.14	0	43.95	-	-	74	-30.05	360	101	H
			* 3.943406	57.61	PK2	33.5	-46.86	0	44.25	-	-	74	-29.75	360	101	V
			* 3.949064	45.68	MAv1	33.5	-47.05	1.28	33.41	54	-20.59	-	-	360	101	V
			* 11.185589	52.64	PK2	37.8	-42.25	0	48.19	-	-	74	-25.81	360	200	H
			* 11.163638	40.39	MAv1	37.7	-41.93	1.28	37.44	54	-16.56	-	-	360	200	H
			* 11.171509	52.35	PK2	37.7	-41.85	0	48.2	-	-	74	-25.8	360	200	V
			* 11.188985	40.32	MAv1	37.8	-42.31	1.28	37.09	54	-16.91	-	-	360	200	V
	2441	4 + 3	* 4.888039	57.89	PK2	34.4	-47.87	0	44.42	-	-	74	-29.58	360	101	V
			* 4.889646	45.85	MAv1	34.4	-47.89	1.28	33.64	54	-20.36	-	-	360	101	H
			* 4.890808	46.09	MAv1	34.4	-47.9	1.28	33.87	54	-20.13	-	-	360	101	V
			* 4.897557	57.66	PK2	34.4	-47.91	0	44.15	-	-	74	-29.85	360	101	H
			* 7.330135	55.47	PK2	35.6	-45.68	0	45.39	-	-	74	-28.61	360	101	V
			* 7.333269	43.73	MAv1	35.6	-45.68	1.28	34.93	54	-19.07	-	-	360	101	V
			* 7.338269	55.75	PK2	35.6	-45.69	0	45.66	-	-	74	-28.34	360	101	H
			* 7.345878	43.68	MAv1	35.6	-45.73	1.28	34.83	54	-19.17	-	-	360	101	H
			9.770839	54.94	PK2	37	-44.6	0	47.34	-	-	-	-	360	101	V
			9.771919	42.94	MAv1	37	-44.58	1.28	36.64	-	-	-	-	360	101	V
			9.777361	54.44	PK2	37	-44.58	0	46.86	-	-	-	-	360	101	H
			9.787513	42.68	MAv1	37	-44.28	1.28	36.68	-	-	-	-	360	101	H
	2476	4 + 3	* 4.935127	58.29	PK2	34.4	-47.9	0	44.79	-	-	74	-29.21	360	101	V
			* 4.937951	46.05	MAv1	34.4	-47.99	1.28	33.74	54	-20.26	-	-	360	200	H
			* 4.941989	46.13	MAv1	34.4	-48.11	1.28	33.7	54	-20.3	-	-	360	101	V
			* 4.945071	57.66	PK2	34.4	-48.09	0	43.97	-	-	74	-30.03	360	200	H
			* 7.403503	43.71	MAv1	35.7	-45.65	1.28	35.04	54	-18.96	-	-	360	101	V
			* 7.40997	55.78	PK2	35.7	-45.59	0	45.89	-	-	74	-28.11	360	101	V
			* 7.420379	55.84	PK2	35.7	-45.62	0	45.92	-	-	74	-28.08	360	200	H
			* 7.430192	43.48	MAv1	35.7	-45.65	1.28	34.81	54	-19.19	-	-	360	200	H
			9.886936	44.01	MAv1	37.1	-44.89	1.28	37.5	-	-	-	-	360	101	H
			9.887176	43.78	MAv1	37.1	-44.88	1.28	37.28	-	-	-	-	360	101	V
			9.89126	55.77	PK2	37.1	-44.83	0	48.04	-	-	-	-	360	101	H
			9.900696	55.99	PK2	37.1	-44.38	0	48.71	-	-	-	-	360	101	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.12. SPURIOUS EMISSIONS – WORST-CASE**HDR8 / 2404 MHz / HIGH POWER / MIMO TXBF****HORIZONTAL RESULT****VERTICAL RESULT**

MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB/m)	Gain/Loss (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	* 1.286312	61.52	PK2	29.1	-40.72	0	49.9	-	-	74	-24.1	360	101	H
	* 1.281292	49.74	MAv1	29.1	-40.7	1.28	39.42	54	-14.58	-	-	360	101	H
4	* 1.29086	61.29	PK2	29.1	-40.7	0	49.69	-	-	74	-24.31	360	101	V
	* 1.283407	49.67	MAv1	29.1	-40.71	1.28	39.34	54	-14.66	-	-	360	101	V
2	* 3.951714	45.74	MAv1	33.5	-47.13	1.28	33.39	54	-20.61	-	-	360	101	H
	* 3.952638	57.59	PK2	33.5	-47.14	0	43.95	-	-	74	-30.05	360	101	H
5	* 3.943406	57.61	PK2	33.5	-46.86	0	44.25	-	-	74	-29.75	360	101	V
	* 3.949064	45.68	MAv1	33.5	-47.05	1.28	33.41	54	-20.59	-	-	360	101	V
3	* 11.185589	52.64	PK2	37.8	-42.25	0	48.19	-	-	74	-25.81	360	200	H
	* 11.163638	40.39	MAv1	37.7	-41.93	1.28	37.44	54	-16.56	-	-	360	200	H
6	* 11.171509	52.35	PK2	37.7	-41.85	0	48.2	-	-	74	-25.8	360	200	V
	* 11.188985	40.32	MAv1	37.8	-42.31	1.28	37.09	54	-16.91	-	-	360	200	V

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

STATE B**10.1.13. LOW BAND EDGE – HIGH POWER – SISO**

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4	* 2.39	61.03	Pk	32.3	-38.55	0	54.78	-	-	74	-19.22	135	221	H
			* 2.379097	63.16	Pk	32.2	-38.58	0	56.78	-	-	74	-17.22	135	221	H
			* 2.39	49.44	RMS	32.3	-38.55	1.3	44.49	54	-9.51	-	-	135	221	H
			* 2.378399	51.01	RMS	32.2	-38.58	1.3	45.93	54	-8.07	-	-	135	221	H
			* 2.39	60.31	Pk	32.3	-38.55	0	54.06	-	-	74	-19.94	225	215	V
			* 2.38163	62.75	Pk	32.2	-38.57	0	56.38	-	-	74	-17.62	225	215	V
		3	* 2.39	50.07	RMS	32.3	-38.55	1.3	45.12	54	-8.88	-	-	225	215	V
			* 2.388646	50.86	RMS	32.3	-38.56	1.3	45.9	54	-8.1	-	-	225	215	V
			* 2.39	60.14	Pk	32.3	-38.55	0	53.89	-	-	74	-20.11	333	326	H
			* 2.34099	63.73	Pk	32	-38.66	0	57.07	-	-	74	-16.93	333	326	H
			* 2.39	49.88	RMS	32.3	-38.55	1.3	44.93	54	-9.07	-	-	333	326	H
			* 2.383595	51.31	RMS	32.2	-38.56	1.3	46.25	54	-7.75	-	-	333	326	H
			* 2.39	60.83	Pk	32.3	-38.55	0	54.58	-	-	74	-19.42	85	326	V
			* 2.382183	63.44	Pk	32.2	-38.57	0	57.07	-	-	74	-16.93	85	326	V
			* 2.39	50.61	RMS	32.3	-38.55	1.3	45.66	54	-8.34	-	-	85	326	V
			* 2.379883	50.95	RMS	32.2	-38.57	1.3	45.88	54	-8.12	-	-	85	326	V
HDR8	2404	4	* 2.39	61.12	Pk	32.3	-38.55	0	54.87	-	-	74	-19.13	137	210	H
			* 2.379883	62.89	Pk	32.2	-38.57	0	56.52	-	-	74	-17.48	137	210	H
			* 2.39	49.78	RMS	32.3	-38.55	1.28	44.81	54	-9.19	-	-	137	210	H
			* 2.389068	50.97	RMS	32.3	-38.56	1.28	45.99	54	-8.01	-	-	137	210	H
			* 2.39	59.91	Pk	32.3	-38.55	0	53.66	-	-	74	-20.34	228	224	V
			* 2.331106	63.05	Pk	32	-38.68	0	56.37	-	-	74	-17.63	228	224	V
			* 2.39	49.79	RMS	32.3	-38.55	1.28	44.82	54	-9.18	-	-	228	224	V
			* 2.364454	51.33	RMS	32.2	-38.63	1.28	46.18	54	-7.82	-	-	228	224	V
		3	* 2.39	62.15	Pk	32.3	-38.55	0	55.9	-	-	74	-18.1	204	256	H
			* 2.372241	63.08	Pk	32.2	-38.62	0	56.66	-	-	74	-17.34	204	256	H
			* 2.39	49.85	RMS	32.3	-38.55	1.28	44.88	54	-9.12	-	-	204	256	H
			* 2.378937	50.96	RMS	32.2	-38.58	1.28	45.86	54	-8.14	-	-	204	256	H
			* 2.39	60.16	Pk	32.3	-38.55	0	53.91	-	-	74	-20.09	88	329	V
			* 2.370014	63.13	Pk	32.2	-38.62	0	56.71	-	-	74	-17.29	88	329	V
			* 2.39	49.96	RMS	32.3	-38.55	1.28	44.99	54	-9.01	-	-	88	329	V
			* 2.377016	50.84	RMS	32.2	-38.6	1.28	45.72	54	-8.28	-	-	88	329	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.14. LOW BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 2.39	60.72	Pk	32.3	-38.55	0	54.47	-	-	74	-19.53	14	189	H
			* 2.36032	63.63	Pk	32.1	-38.64	0	57.09	-	-	74	-16.91	14	189	H
			* 2.39	49.74	RMS	32.3	-38.55	1.3	44.79	54	-9.21	-	-	14	189	H
			* 2.377613	51.02	RMS	32.2	-38.59	1.3	45.93	54	-8.07	-	-	14	189	H
			* 2.39	59.96	Pk	32.3	-38.55	0	53.71	-	-	74	-20.29	97	315	V
			* 2.379723	62.91	Pk	32.2	-38.57	0	56.54	-	-	74	-17.46	97	315	V
			* 2.39	50.23	RMS	32.3	-38.55	1.3	45.28	54	-8.72	-	-	97	315	V
HDR8	2404	4 + 3	* 2.368763	51.16	RMS	32.2	-38.63	1.3	46.03	54	-7.97	-	-	97	315	V
			* 2.39	61.76	Pk	32.3	-38.55	0	55.51	-	-	74	-18.49	24	196	H
			* 2.379257	62.9	Pk	32.2	-38.58	0	56.52	-	-	74	-17.48	24	196	H
			* 2.39	49.48	RMS	32.3	-38.55	1.28	44.51	54	-9.49	-	-	24	196	H
			* 2.387685	50.86	RMS	32.3	-38.57	1.28	45.87	54	-8.13	-	-	24	196	H
			* 2.39	61.14	Pk	32.3	-38.55	0	54.89	-	-	74	-19.11	101	362	V
			* 2.333086	63.24	Pk	32	-38.67	0	56.57	-	-	74	-17.43	101	362	V
			* 2.39	49.3	RMS	32.3	-38.55	1.28	44.33	54	-9.67	-	-	101	362	V
			* 2.383624	50.85	RMS	32.2	-38.56	1.28	45.77	54	-8.23	-	-	101	362	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.15. LOW BAND EDGE – LOW POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4	* 2.39	59.54	Pk	32.1	-34.83	0	56.81	-	-	74	-17.19	134	186	H
			* 2.384745	61.79	Pk	32	-34.81	0	58.98	-	-	74	-15.02	134	186	H
			* 2.39	48.27	RMS	32.1	-34.83	1.3	46.84	54	-7.16	-	-	134	186	H
			* 2.324964	49.87	RMS	31.9	-34.87	1.3	48.2	54	-5.8	-	-	134	186	H
			* 2.39	60.14	Pk	32.1	-34.83	0	57.41	-	-	74	-16.59	11	118	V
			* 2.344279	62.01	Pk	31.7	-34.88	0	58.83	-	-	74	-15.17	11	118	V
			* 2.39	48.76	RMS	32.1	-34.83	1.3	47.33	54	-6.67	-	-	11	118	V
			* 2.383857	49.63	RMS	32	-34.81	1.3	48.12	54	-5.88	-	-	11	118	V
		3	* 2.39	59.49	Pk	32.1	-34.83	0	56.76	-	-	74	-17.24	169	115	H
			* 2.382576	62.95	Pk	32	-34.79	0	60.16	-	-	74	-13.84	169	115	H
			* 2.39	48.69	RMS	32.1	-34.83	1.3	47.26	54	-6.74	-	-	169	115	H
			* 2.383639	49.67	RMS	32	-34.8	1.3	48.17	54	-5.83	-	-	169	115	H
			* 2.39	59.29	Pk	32.1	-34.83	0	56.56	-	-	74	-17.44	101	282	V
			* 2.323013	62.06	Pk	31.8	-34.86	0	59	-	-	74	-15	101	282	V
			* 2.39	48.73	RMS	32.1	-34.83	1.3	47.3	54	-6.7	-	-	101	282	V
			* 2.312795	49.89	RMS	31.8	-34.83	1.3	48.16	54	-5.84	-	-	101	282	V
HDR8	2404	4	* 2.39	58.77	Pk	32.1	-34.83	0	56.04	-	-	74	-17.96	155	193	H
			* 2.38623	62.45	Pk	32	-34.81	0	59.64	-	-	74	-14.36	155	193	H
			* 2.39	48.61	RMS	32.1	-34.83	1.28	47.16	54	-6.84	-	-	155	193	H
			* 2.381543	49.76	RMS	32	-34.8	1.28	48.24	54	-5.76	-	-	155	193	H
			* 2.39	60.53	Pk	32.1	-34.83	0	57.8	-	-	74	-16.2	207	149	V
			* 2.345153	62.3	Pk	31.8	-34.88	0	59.22	-	-	74	-14.78	207	149	V
			* 2.39	48.59	RMS	32.1	-34.83	1.28	47.14	54	-6.86	-	-	207	149	V
			* 2.379316	49.78	RMS	31.9	-34.8	1.28	48.16	54	-5.84	-	-	207	149	V
		3	* 2.39	60.23	Pk	32.1	-34.83	0	57.5	-	-	74	-16.5	172	159	H
			* 2.358981	62.43	Pk	31.7	-34.9	0	59.23	-	-	74	-14.77	172	159	H
			* 2.39	49.03	RMS	32.1	-34.83	1.28	47.58	54	-6.42	-	-	172	159	H
			* 2.386113	49.66	RMS	32	-34.81	1.28	48.13	54	-5.87	-	-	172	159	H
			* 2.39	59.31	Pk	32.1	-34.83	0	56.58	-	-	74	-17.42	111	281	V
			* 2.386419	62.12	Pk	32	-34.81	0	59.31	-	-	74	-14.69	111	281	V
			* 2.39	48.45	RMS	32.1	-34.83	1.28	47	54	-7	-	-	111	281	V
			* 2.381863	49.64	RMS	32	-34.8	1.28	48.12	54	-5.88	-	-	111	281	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

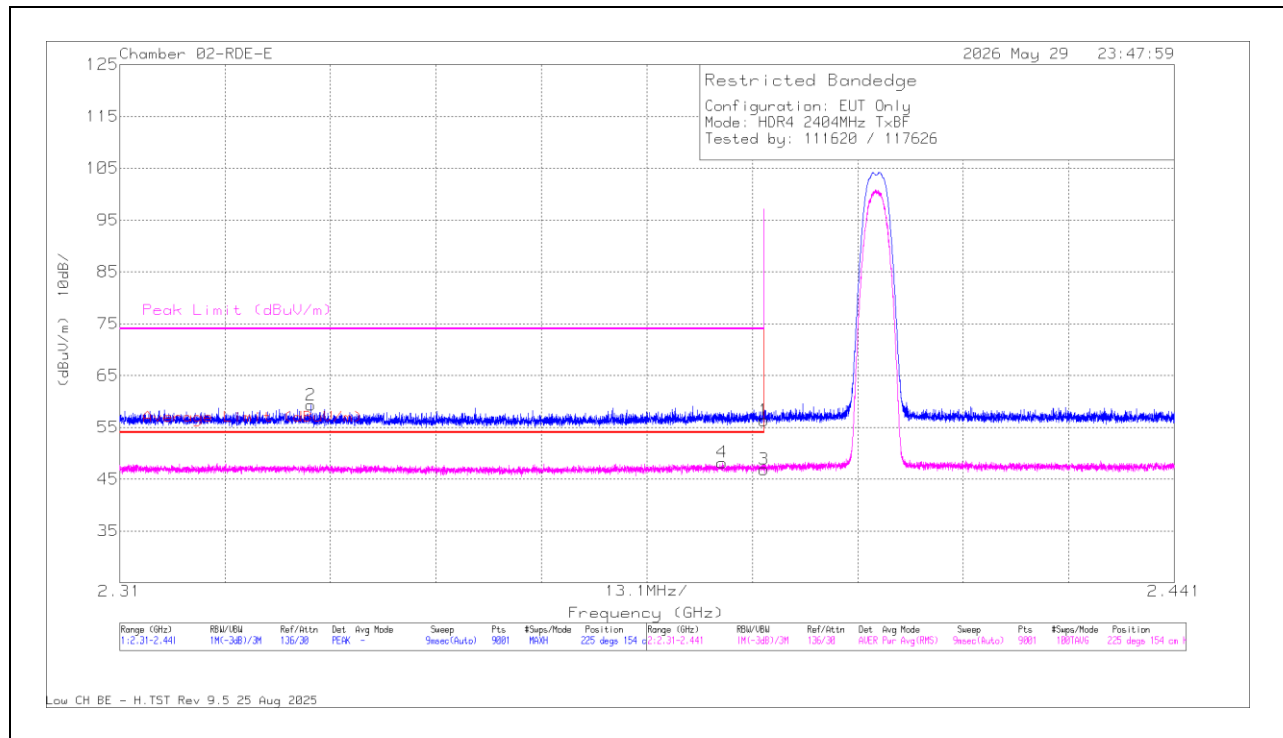
10.1.16. LOW BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 2.39	59.09	Pk	32.1	-34.83	0	56.36	-	-	74	-17.64	225	154	H
			* 2.33377	62.35	Pk	31.8	-34.86	0	59.29	-	-	74	-14.71	225	154	H
			* 2.39	48.33	RMS	32.1	-34.83	1.3	46.9	54	-7.1	-	-	225	154	H
			* 2.384847	49.72	RMS	32	-34.81	1.3	48.21	54	-5.79	-	-	225	154	H
			* 2.39	59.81	Pk	32.1	-34.83	0	57.08	-	-	74	-16.92	268	124	V
			* 2.384541	62.82	Pk	32	-34.81	0	60.01	-	-	74	-13.99	268	124	V
			* 2.39	48.59	RMS	32.1	-34.83	1.3	47.16	54	-6.84	-	-	268	124	V
HDR8	2404	4 + 3	* 2.383581	49.91	RMS	32	-34.8	1.3	48.41	54	-5.59	-	-	268	124	V
			* 2.39	59.4	Pk	32.1	-34.83	0	56.67	-	-	74	-17.33	219	134	H
			* 2.337991	62.26	Pk	31.8	-34.84	0	59.22	-	-	74	-14.78	219	134	H
			* 2.39	48.61	RMS	32.1	-34.83	1.28	47.16	54	-6.84	-	-	219	134	H
			* 2.35294	49.86	RMS	31.7	-34.86	1.28	47.98	54	-6.02	-	-	219	134	H
			* 2.39	59.96	Pk	32.1	-34.83	0	57.23	-	-	74	-16.77	263	121	V
			* 2.383144	61.71	Pk	32	-34.78	0	58.93	-	-	74	-15.07	263	121	V
			* 2.39	48.2	RMS	32.1	-34.83	1.28	46.75	54	-7.25	-	-	263	121	V
			* 2.387394	49.62	RMS	32	-34.83	1.28	48.07	54	-5.93	-	-	263	121	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.17. LOW BAND EDGE – WORST-CASE**HDR4 / 2404 MHz / LOW POWER / MIMO TXBF****HORIZONTAL RESULT****MEASURED DATA**

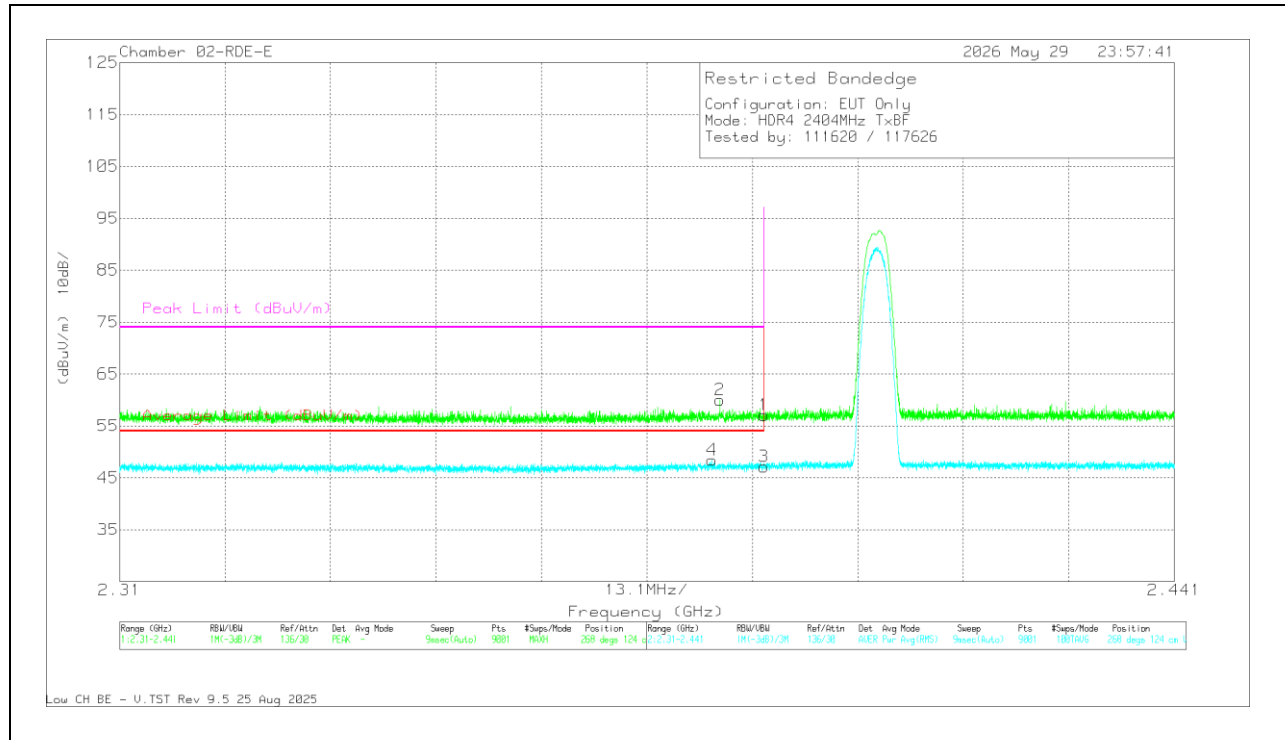
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	200897 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.09	Pk	32.1	-34.83	0	56.36	-	-	74	-17.64	225	154	H
2	* 2.33377	62.35	Pk	31.8	-34.86	0	59.29	-	-	74	-14.71	225	154	H
3	* 2.39	48.33	RMS	32.1	-34.83	1.3	46.9	54	-7.1	-	-	225	154	H
4	* 2.384847	49.72	RMS	32	-34.81	1.3	48.21	54	-5.79	-	-	225	154	H

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Gain/Loss (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	59.81	Pk	32.1	-34.83	0	57.08	-	-	74	-16.92	268	124	V
2	* 2.384541	62.82	Pk	32	-34.81	0	60.01	-	-	74	-13.99	268	124	V
3	* 2.39	48.59	RMS	32.1	-34.83	1.3	47.16	54	-6.84	-	-	268	124	V
4	* 2.383581	49.91	RMS	32	-34.8	1.3	48.41	54	-5.59	-	-	268	124	V

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.18. HIGH BAND EDGE – HIGH POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4	* 2.4835	60.54	Pk	32.4	-38.32	0	54.62	-	-	74	-19.38	134	193	H
			* 2.486806	63.76	Pk	32.4	-38.3	0	57.86	-	-	74	-16.14	134	193	H
			* 2.4835	49.64	RMS	32.4	-38.32	1.3	45.02	54	-8.98	-	-	134	193	H
			2.55807	50.86	RMS	32.5	-38.06	1.3	46.6	-	-	-	-	134	193	H
			* 2.4835	60.06	Pk	32.4	-38.32	0	54.14	-	-	74	-19.86	227	213	V
			2.544785	63	Pk	32.5	-38.13	0	57.37	-	-	-	-	227	213	V
			* 2.4835	49.68	RMS	32.4	-38.32	1.3	45.06	54	-8.94	-	-	227	213	V
			2.560347	50.76	RMS	32.5	-38.09	1.3	46.47	-	-	-	-	227	213	V
		3	* 2.4835	60.76	Pk	32.4	-38.32	0	54.84	-	-	74	-19.16	203	345	H
			2.544812	62.92	Pk	32.5	-38.13	0	57.29	-	-	-	-	203	345	H
			* 2.4835	49.89	RMS	32.4	-38.32	1.3	45.27	54	-8.73	-	-	203	345	H
			2.520167	51.14	RMS	32.5	-38.22	1.3	46.72	-	-	-	-	203	345	H
			* 2.4835	60.8	Pk	32.4	-38.32	0	54.88	-	-	74	-19.12	86	250	V
			2.510258	63.01	Pk	32.5	-38.25	0	57.26	-	-	-	-	86	250	V
			* 2.4835	50.09	RMS	32.4	-38.32	1.3	45.47	54	-8.53	-	-	86	250	V
			2.559723	50.8	RMS	32.5	-38.08	1.3	46.52	-	-	-	-	86	250	V
HDR8	2476	4	* 2.4835	60.14	Pk	32.6	-37.65	0	55.09	-	-	74	-18.91	3	236	H
			2.51427	62.83	Pk	32.8	-37.6	0	58.03	-	-	-	-	3	236	H
			* 2.4835	49.3	RMS	32.6	-37.65	1.28	45.53	54	-8.47	-	-	3	236	H
			2.540135	50.01	RMS	32.8	-37.69	1.28	46.4	-	-	-	-	3	236	H
			* 2.4835	59.75	Pk	32.6	-37.65	0	54.7	-	-	74	-19.3	246	399	V
			2.50592	61.91	Pk	32.8	-37.7	0	57.01	-	-	-	-	246	399	V
			* 2.4835	48.64	RMS	32.6	-37.65	1.28	44.87	54	-9.13	-	-	246	399	V
			2.538698	50.06	RMS	32.8	-37.63	1.28	46.51	-	-	-	-	246	399	V
		3	* 2.4835	61.09	Pk	32.2	-38.7	0	54.59	-	-	74	-19.41	110	203	H
			2.511749	62.59	Pk	32.2	-38.5	0	56.29	-	-	-	-	110	203	H
			* 2.4835	49.81	RMS	32.2	-38.7	1.28	44.59	54	-9.41	-	-	110	203	H
			2.553488	50.4	RMS	32.4	-38.5	1.28	45.58	-	-	-	-	110	203	H
			* 2.4835	59.93	Pk	32.2	-38.7	0	53.43	-	-	74	-20.57	14	344	V
			2.504957	62.86	Pk	32.2	-38.6	0	56.46	-	-	-	-	14	344	V
			* 2.4835	49.63	RMS	32.2	-38.7	1.28	44.41	54	-9.59	-	-	14	344	V
			2.53676	50.48	RMS	32.3	-38.5	1.28	45.56	-	-	-	-	14	344	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.19. HIGH BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4 + 3	* 2.4835	60.41	Pk	32.4	-38.32	0	54.49	-	-	74	-19.51	242	119	H
			2.553881	63.23	Pk	32.5	-38.07	0	57.66	-	-	-	-	242	119	H
			* 2.4835	49.7	RMS	32.4	-38.32	1.3	45.08	54	-8.92	-	-	242	119	H
			2.51873	51.04	RMS	32.5	-38.23	1.3	46.61	-	-	-	-	242	119	H
			* 2.4835	60.44	Pk	32.4	-38.32	0	54.52	-	-	74	-19.48	257	388	V
			2.525101	62.98	Pk	32.5	-38.21	0	57.27	-	-	-	-	257	388	V
			* 2.4835	50.17	RMS	32.4	-38.32	1.3	45.55	54	-8.45	-	-	257	388	V
			2.561052	50.76	RMS	32.5	-38.1	1.3	46.46	-	-	-	-	257	388	V
HDR8	2476	4 + 3	* 2.4835	61.11	Pk	32.2	-38.7	0	54.61	-	-	74	-19.39	339	133	H
			* 2.48545	62.56	Pk	32.2	-38.7	0	56.06	-	-	74	-17.94	339	133	H
			* 2.4835	50.48	RMS	32.2	-38.7	1.28	45.26	54	-8.74	-	-	339	133	H
			2.554125	50.42	RMS	32.4	-38.4	1.28	45.7	-	-	-	-	339	133	H
			* 2.4835	60.07	Pk	32.2	-38.7	0	53.57	-	-	74	-20.43	197	326	V
			* 2.494736	63.09	Pk	32.2	-38.6	0	56.69	-	-	74	-17.31	197	326	V
			* 2.4835	49.3	RMS	32.2	-38.7	1.28	44.08	54	-9.92	-	-	197	326	V
			2.560998	50.2	RMS	32.4	-38.4	1.28	45.48	-	-	-	-	197	326	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.20. HIGH BAND EDGE – LOW POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4	* 2.4835	58.75	Pk	32.1	-34.5	0	56.35	-	-	74	-17.65	161	116	H
			* 2.4835	48.51	RMS	32.1	-34.5	0	47.41	54	-6.59	-	-	161	116	H
			2.533628	49.54	RMS	32.3	-34.4	1.3	48.74	-	-	-	-	161	116	H
			2.546154	62.44	Pk	32.2	-34.38	1.3	60.26	-	-	-	-	161	116	H
			* 2.4835	59.95	Pk	32.1	-34.5	0	57.55	-	-	74	-16.45	247	155	V
			* 2.488636	62.02	Pk	32.2	-34.5	0	59.72	-	-	74	-14.28	247	155	V
			* 2.4835	48.73	RMS	32.1	-34.5	1.3	47.63	54	-6.37	-	-	247	155	V
			2.52418	49.55	RMS	32.3	-34.41	1.3	48.74	-	-	-	-	247	155	V
		3	* 2.4835	58.95	Pk	32.1	0	-34.5	56.55	-	-	74	-17.45	171	175	H
			* 2.4835	48.5	RMS	32.1	1.3	-34.5	47.4	54	-6.6	-	-	171	175	H
			* 2.495305	49.81	RMS	32.2	1.3	-34.47	48.84	54	-5.16	-	-	171	175	H
			2.506869	61.45	Pk	32.3	0	-34.46	59.29	-	-	-	-	171	175	H
			* 2.4835	59.09	Pk	32.1	-34.5	0	56.69	-	-	74	-17.31	101	307	V
			* 2.496119	61.6	Pk	32.2	-34.48	0	59.32	-	-	74	-14.68	101	307	V
			* 2.4835	48.65	RMS	32.1	-34.5	1.3	47.55	54	-6.45	-	-	101	307	V
			2.525034	49.32	RMS	32.3	-34.41	1.3	48.51	-	-	-	-	101	307	V
HDR8	2476	4	* 2.4835	58.78	Pk	32.1	-34.5	0	56.38	-	-	74	-17.62	142	154	H
			* 2.4835	49.09	RMS	32.1	-34.5	1.28	47.97	54	-6.03	-	-	142	154	H
			2.502924	61.39	Pk	32.3	-34.45	0	59.24	-	-	-	-	142	154	H
			2.504361	49.4	RMS	32.3	-34.46	1.28	48.52	-	-	-	-	142	154	H
			* 2.4835	59.44	Pk	32.1	-34.5	0	57.04	-	-	74	-16.96	246	154	V
			* 2.485423	62.06	Pk	32.1	-34.5	0	59.66	-	-	74	-14.34	246	154	V
			* 2.4835	48.2	RMS	32.1	-34.5	1.28	47.08	54	-6.92	-	-	246	154	V
			2.52281	49.39	RMS	32.3	-34.42	1.28	48.55	-	-	-	-	246	154	V
		3	* 2.4835	58.51	Pk	32.1	-34.5	0	56.11	-	-	74	-17.89	174	106	H
			* 2.4835	48.04	RMS	32.1	-34.5	0	46.92	54	-7.08	-	-	174	106	H
			* 2.498369	49.44	RMS	32.2	-34.46	1.28	48.46	54	-5.54	-	-	174	106	H
			2.506028	61.54	Pk	32.3	-34.48	1.28	59.36	-	-	-	-	174	106	H
			* 2.4835	59.35	Pk	32.1	-34.5	0	56.95	-	-	74	-17.05	70	211	V
			* 2.4835	48.71	RMS	32.1	-34.5	0	47.59	54	-6.41	-	-	70	211	V
			2.505906	61.52	Pk	32.3	-34.48	1.28	59.34	-	-	-	-	70	211	V
			2.525969	49.46	RMS	32.3	-34.41	1.28	48.63	-	-	-	-	70	211	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

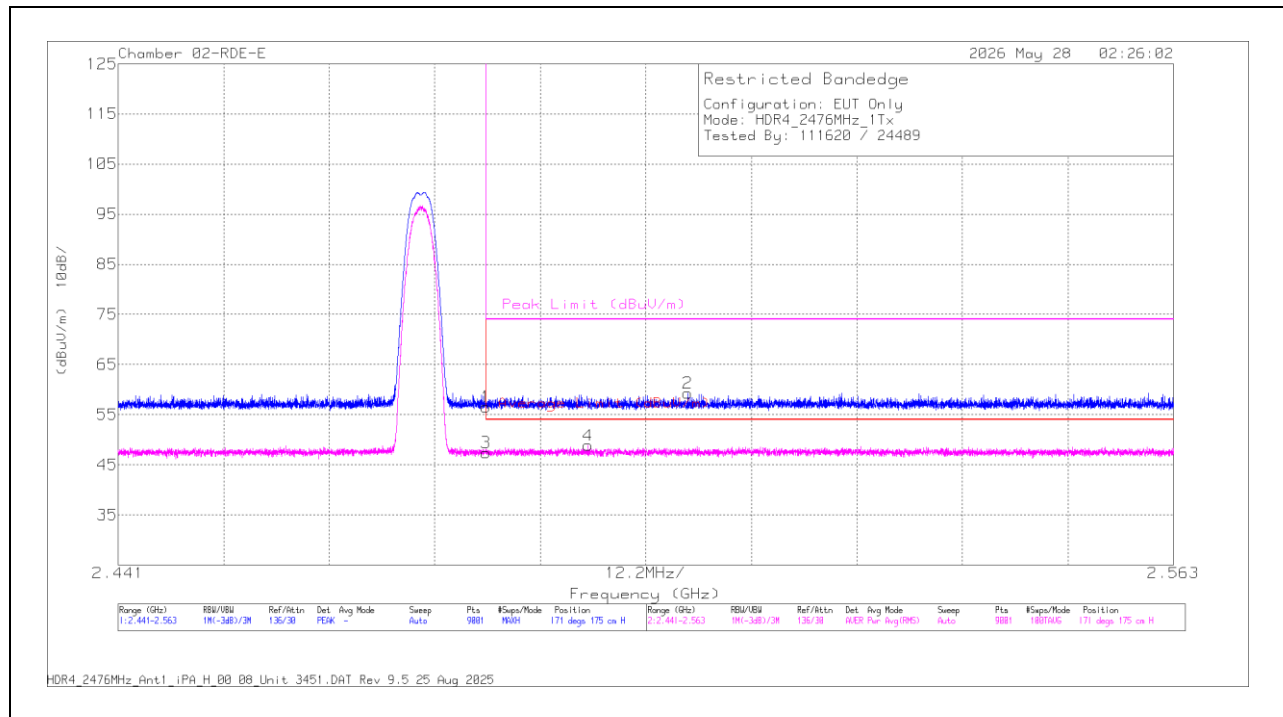
10.1.21. HIGH BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4 + 3	* 2.4835	59.64	Pk	32.1	-34.5	0	57.24	-	-	74	-16.76	38	124	H
			* 2.4835	48.74	RMS	32.1	-34.5	1.3	47.64	54	-6.36	-	-	38	124	H
			2.513755	49.41	RMS	32.3	-34.42	1.3	48.59	-	-	-	-	38	124	H
			2.517863	61.55	Pk	32.3	-34.42	0	59.43	-	-	-	-	38	124	H
			* 2.4835	59.29	Pk	32.1	-34.5	0	56.89	-	-	74	-17.11	261	325	V
			* 2.4835	48.43	RMS	32.1	-34.5	1.3	47.33	54	-6.67	-	-	261	325	V
			2.542928	49.46	RMS	32.2	-34.38	1.3	48.58	-	-	-	-	261	325	V
			2.546317	61.57	Pk	32.2	-34.38	0	59.39	-	-	-	-	261	325	V
HDR8	2476	4 + 3	* 2.4835	59.23	Pk	32.1	-34.5	0	56.83	-	-	74	-17.17	36	106	H
			* 2.484677	62.13	Pk	32.1	-34.5	0	59.73	-	-	74	-14.27	36	106	H
			* 2.4835	48.85	RMS	32.1	-34.5	1.28	47.73	54	-6.27	-	-	36	106	H
			2.519909	49.49	RMS	32.3	-34.43	1.28	48.64	-	-	-	-	36	106	H
			* 2.4835	59.09	Pk	32.1	-34.5	0	56.69	-	-	74	-17.31	265	365	V
			* 2.4835	48.26	RMS	32.1	-34.5	1.28	47.14	54	-6.86	-	-	265	365	V
			2.500375	49.55	RMS	32.2	-34.46	1.28	48.57	-	-	-	-	265	365	V
			2.561581	61.56	Pk	32.1	-34.39	0	59.27	-	-	-	-	265	365	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.22. HIGH BAND EDGE – WORST-CASE**HDR4 / 2476 MHz / LOW POWER / SISO ANT 3****HORIZONTAL RESULT****MEASURED DATA**

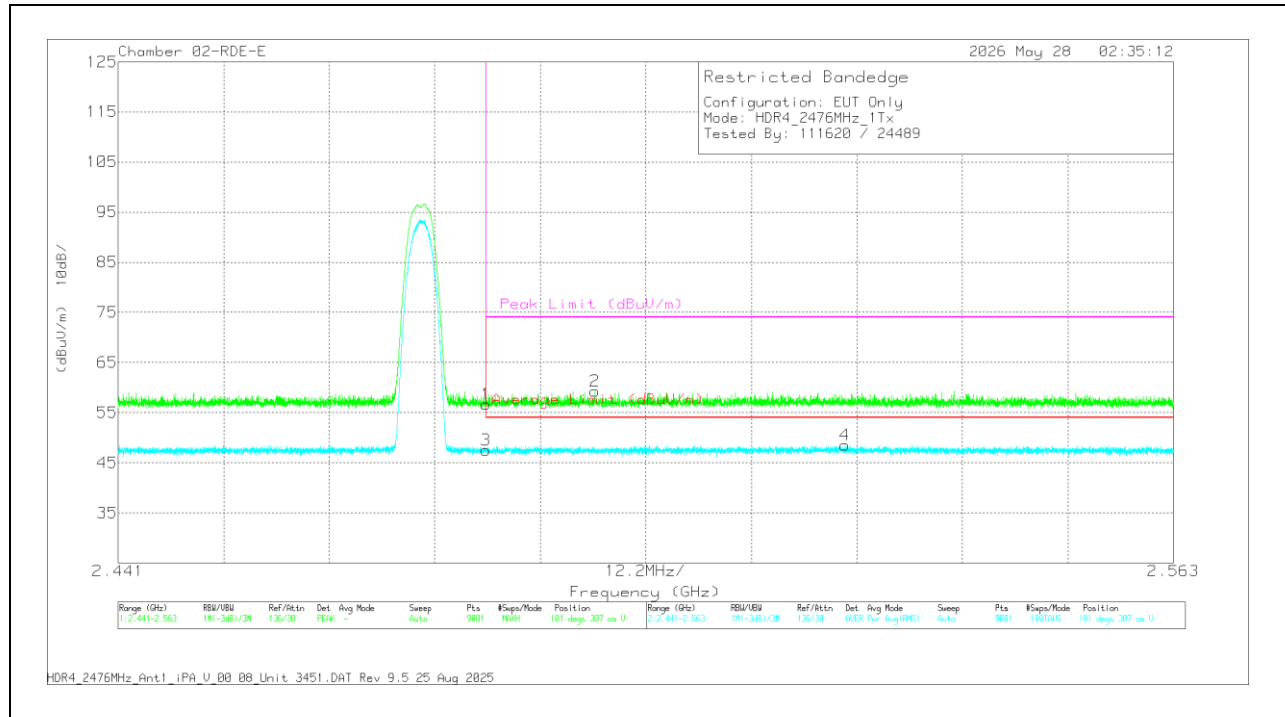
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.95	Pk	32.1	0	-34.5	56.55	-	-	74	-17.45	171	175	H
3	* 2.4835	48.5	RMS	32.1	1.3	-34.5	47.4	54	-6.6	-	-	171	175	H
4	* 2.495305	49.81	RMS	32.2	1.3	-34.47	48.84	54	-5.16	-	-	171	175	H
2	2.506869	61.45	Pk	32.3	0	-34.46	59.29	-	-	-	-	171	175	H

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Gain/Loss (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	* 2.4835	59.09	Pk	32.1	0	-34.5	56.69	-	-	74	-17.31	101	307	V
2	* 2.496119	61.6	Pk	32.2	0	-34.48	59.32	-	-	74	-14.68	101	307	V
3	* 2.4835	48.65	RMS	32.1	1.3	-34.5	47.55	54	-6.45	-	-	101	307	V
4	2.525034	49.32	RMS	32.3	1.3	-34.41	48.51	-	-	-	-	101	307	V

* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

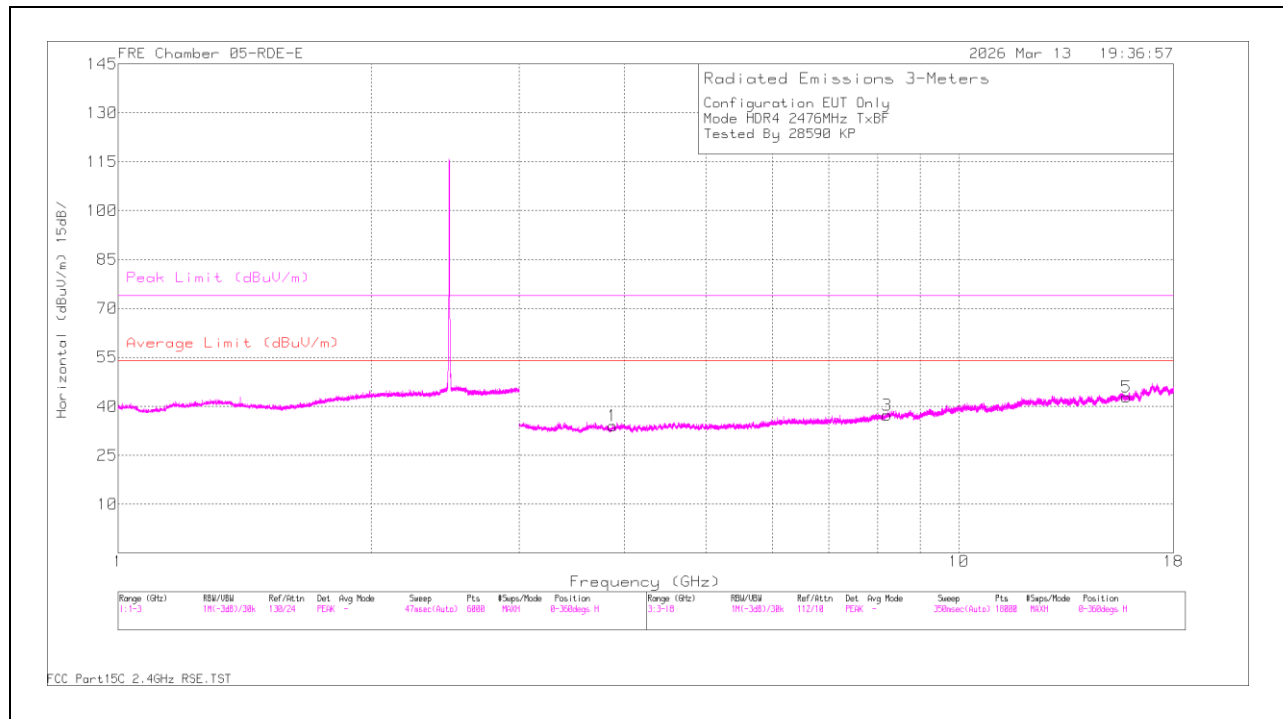
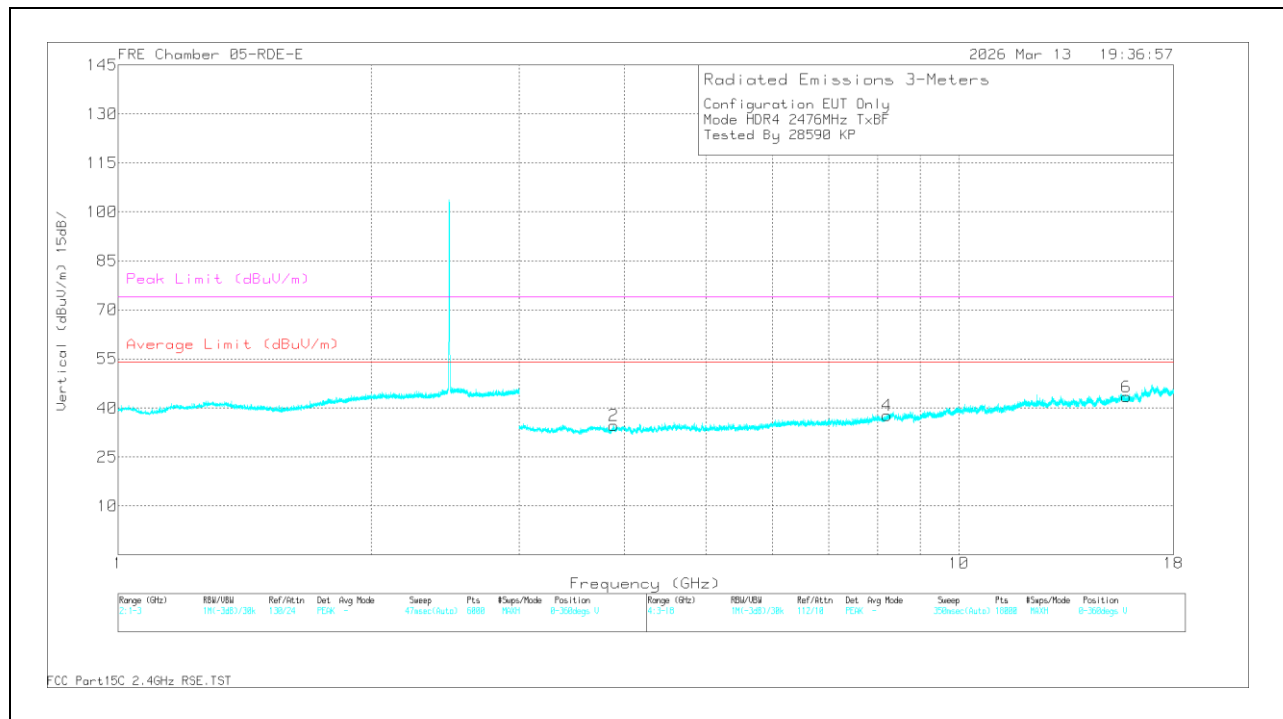
10.1.23. SPURIOUS EMISSIONS – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2404	4 + 3	* 11.802903	41.78	MAv1	38.8	-41.5	1.3	40.38	54	-13.62	-	-	360	101	V
			* 11.803538	53.62	PK2	38.8	-41.5	0	50.92	-	-	74	-23.08	360	199	H
			* 11.809889	53.62	PK2	38.8	-41.6	0	50.82	-	-	74	-23.18	360	101	V
			* 11.812347	41.96	MAv1	38.8	-41.5	1.3	40.56	54	-13.44	-	-	360	199	H
			* 3.752503	43.99	MAv1	33.4	-44.75	1.3	33.94	54	-20.06	-	-	360	101	V
			* 3.752619	55.61	PK2	33.4	-44.74	0	44.27	-	-	74	-29.73	360	101	V
			* 3.753627	55.94	PK2	33.4	-44.7	0	44.64	-	-	74	-29.36	360	199	H
			* 3.754627	43.85	MAv1	33.4	-44.7	1.3	33.85	54	-20.15	-	-	360	199	H
			* 7.455671	41.8	MAv1	35.6	-43	1.3	35.7	54	-18.3	-	-	360	101	V
			* 7.458262	53.56	PK2	35.6	-43	0	46.16	-	-	74	-27.84	360	199	H
			* 7.463022	41.81	MAv1	35.7	-43	1.3	35.81	54	-18.19	-	-	360	199	H
			* 7.465111	53.9	PK2	35.6	-43	0	46.5	-	-	74	-27.5	360	101	V
			* 15.648513	54.7	PK2	40.4	-41.8	0	53.3	-	-	74	-20.7	0	200	H
			* 15.673873	54.56	PK2	40.4	-42.4	0	52.56	-	-	74	-21.44	0	200	V
			* 15.676389	42.8	MAv1	40.4	-42.4	1.3	42.1	54	-11.9	-	-	0	200	V
			* 15.676451	42.72	MAv1	40.4	-42.4	1.3	42.02	54	-11.98	-	-	0	200	H
	2441	4 + 3	* 3.70621	44.23	MAv1	33.2	-44.9	1.3	33.83	54	-20.17	-	-	0	101	H
			* 3.706952	55.87	PK2	33.2	-44.9	0	44.17	-	-	74	-29.83	0	101	H
			* 3.724852	43.91	MAv1	33.3	-44.7	1.3	33.81	54	-20.19	-	-	0	101	V
			* 3.74423	56.06	PK2	33.4	-44.7	0	44.76	-	-	74	-29.24	0	101	V
			* 8.218893	54.21	PK2	36.1	-42.5	0	47.81	-	-	74	-26.19	0	101	V
			* 8.221711	42.61	MAv1	36.1	-42.6	1.3	37.41	54	-16.59	-	-	0	101	V
			* 8.234073	42.67	MAv1	36.1	-42.5	1.3	37.57	54	-16.43	-	-	0	101	H
			* 8.243704	54.37	PK2	36.1	-42.5	0	47.97	-	-	74	-26.03	0	101	H
			* 15.809505	55.74	PK2	40.4	-42.2	0	53.94	-	-	74	-20.06	2	200	H
			* 15.825442	43.42	MAv1	40.4	-42.4	1.3	42.72	54	-11.28	-	-	2	200	H
			* 15.829434	55.2	PK2	40.4	-42.5	0	53.1	-	-	74	-20.9	2	101	V
			* 15.818029	43.49	MAv1	40.4	-42.3	1.3	42.89	54	-11.11	-	-	2	101	V
			* 3.882947	55.47	PK2	33.5	-44.9	0	44.07	-	-	74	-29.93	2	101	H
			* 3.887982	43.8	MAv1	33.5	-45	1.3	33.6	54	-20.4	-	-	2	101	H
			* 3.883714	43.92	MAv1	33.5	-44.9	1.3	33.82	54	-20.18	-	-	2	200	V
	2476	4 + 3	* 3.887078	55.24	PK2	33.5	-45	0	43.74	-	-	74	-30.26	2	200	V
			* 8.204817	53.95	PK2	36.1	-42.6	0	47.45	-	-	74	-26.55	2	101	V
			* 8.224012	42.36	MAv1	36.1	-42.6	1.3	37.16	54	-16.84	-	-	2	101	V
			* 8.221607	54.48	PK2	36.1	-42.6	0	47.98	-	-	74	-26.02	2	101	H
			* 8.218887	42.36	MAv1	36.1	-42.5	1.3	37.26	54	-16.74	-	-	2	101	H
			* 12.55244	41.85	MAv1	38.8	-40.5	1.28	41.43	54	-12.57	-	-	0	101	V
			* 12.569665	54.18	PK2	38.8	-40.7	0	52.28	-	-	74	-21.72	0	101	H
			* 12.572116	53.74	PK2	38.8	-40.7	0	51.84	-	-	74	-22.16	0	101	V
			* 12.577291	41.9	MAv1	38.7	-40.8	1.28	41.08	54	-12.92	-	-	0	101	H
			* 3.640612	44.46	MAv1	33.2	-45.04	1.28	33.9	54	-20.1	-	-	0	101	H
			* 3.64915	56.38	PK2	33.2	-45.08	0	44.5	-	-	74	-29.5	0	101	V
			* 3.649177	44.54	MAv1	33.2	-45.08	1.28	33.94	54	-20.06	-	-	0	101	V
			* 3.652141	56.79	PK2	33.2	-44.9	0	45.09	-	-	74	-28.91	0	101	H
			* 7.432891	53.73	PK2	35.6	-43.3	0	46.03	-	-	74	-27.97	0	101	H
			* 7.454243	53.84	PK2	35.6	-43	0	46.44	-	-	74	-27.56	0	101	V
HDR8	2404	4 + 3	* 7.456932	41.86	MAv1	35.6	-43	1.28	35.74	54	-18.26	-	-	0	101	V
			* 7.457478	42.08	MAv1	35.6	-43	1.28	35.96	54	-18.04	-	-	0	101	H
			* 15.652627	42.87	MAv1	40.4	-41.8	1.28	42.75	54	-11.25	-	-	0	200	V
			* 15.65376	54.9	PK2	40.4	-41.8	0	53.5	-	-	74	-20.5	0	200	V
			* 15.654311	54.97	PK2	40.4	-41.8	0	53.57	-	-	74	-20.43	0	101	H
			* 15.675493	42.67	MAv1	40.4	-42.4	1.28	41.95	54	-12.05	-	-	0	101	H
			* 3.933702	44.48	MAv1	33.4	-45.2	1.28	33.96	54	-20.04	-	-	0	101	V
			* 3.939467	56.56	PK2	33.4	-45.3	0	44.66	-	-	74	-29.34	0	101	V
			* 3.940716	44.29	MAv1	33.4	-45.3	1.28	33.67	54	-20.33	-	-	0	101	H
			* 3.942089	56.35	PK2	33.4	-45.3	0	44.45	-	-	74	-29.55	0	101	H
			* 8.303064	54.97	PK2	36	-42.2	0	48.77	-	-	74	-25.23	0	200	V
			* 8.307726	54.69	PK2	36	-42.1	0	48.59	-	-	74	-25.41	0	200	H
			* 8.329398	43.08	MAv1	36	-42.64	1.28	37.72	54	-16.28	-	-	0	200	H
			* 8.329908	42.77	MAv1	36	-42.69	1.28	37.36	54	-16.64	-	-	0	200	V
			* 4.820284	45.18	MAv1	34.3	-46.63	1.28	34.13	54	-19.87	-	-	3	101	V
			* 4.820496	56.64	PK2	34.3	-46.65	0	44.29	-	-	74	-29.71	3	200	H
	2476	4 + 3	* 4.822132	45.08	MAv1	34.3	-46.7	1.28	33.96	54	-20.04	-	-	3	200	H
			* 4.822795	57.11	PK2	34.3	-46.7	0	44.71	-	-	74	-29.29	3	101	V
			* 7.45423	42.08	MAv1	35.6	-43	1.28	35.96	54	-18.04	-	-	3	200	V
			* 7.465608	53.75	PK2	35.6	-43	0	46.35	-	-	74	-27.65	3	200	V
			* 7.483028	41.82	MAv1	35.6	-43	1.28	35.7	54	-18.3	-	-	3	200	H
			* 7.508223	53.5	PK2	35.6	-42.8	0	46.3	-	-	74	-27.7	3	200	H
			10.080136	42.34	MAv1	37.7	-42.1	1.28	39.22	-	-	-	-	3	101	V
			10.09951	54.42	PK2	37.7	-42.5	0	49.62	-	-	-	-	3	101	V
			10.132395	54.54	PK2	37.7	-41.94	0	50.3	-	-	-	-	3	200	H
			10.147208	42.55	MAv1	37.7	-42.4	1.28	39.13	-	-	-	-	3	200	H

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.24. SPURIOUS EMISSIONS – WORST-CASE**HDR4 / 2476 MHz / HIGH POWER / MIMO TXBF****HORIZONTAL RESULT****VERTICAL RESULT**

MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.882947	55.47	PK2	33.5	0	-44.9	44.07	-	-	74	-29.93	2	101	H
	* 3.887982	43.8	MAv1	33.5	1.3	-45	33.6	54	-20.4	-	-	2	101	H
2	* 3.883714	43.92	MAv1	33.5	1.3	-44.9	33.82	54	-20.18	-	-	2	200	V
	* 3.887078	55.24	PK2	33.5	0	-45	43.74	-	-	74	-30.26	2	200	V
4	* 8.204817	53.95	PK2	36.1	0	-42.6	47.45	-	-	74	-26.55	2	101	V
	* 8.224012	42.36	MAv1	36.1	1.3	-42.6	37.16	54	-16.84	-	-	2	101	V
3	* 8.221607	54.48	PK2	36.1	0	-42.6	47.98	-	-	74	-26.02	2	101	H
	* 8.218887	42.36	MAv1	36.1	1.3	-42.5	37.26	54	-16.74	-	-	2	101	H
5	* 15.809505	55.74	PK2	40.4	0	-42.2	53.94	-	-	74	-20.06	2	200	H
	* 15.825442	43.42	MAv1	40.4	1.3	-42.4	42.72	54	-11.28	-	-	2	200	H
6	* 15.829434	55.2	PK2	40.4	0	-42.5	53.1	-	-	74	-20.9	2	101	V
	* 15.818029	43.49	MAv1	40.4	1.3	-42.3	42.89	54	-11.11	-	-	2	101	V

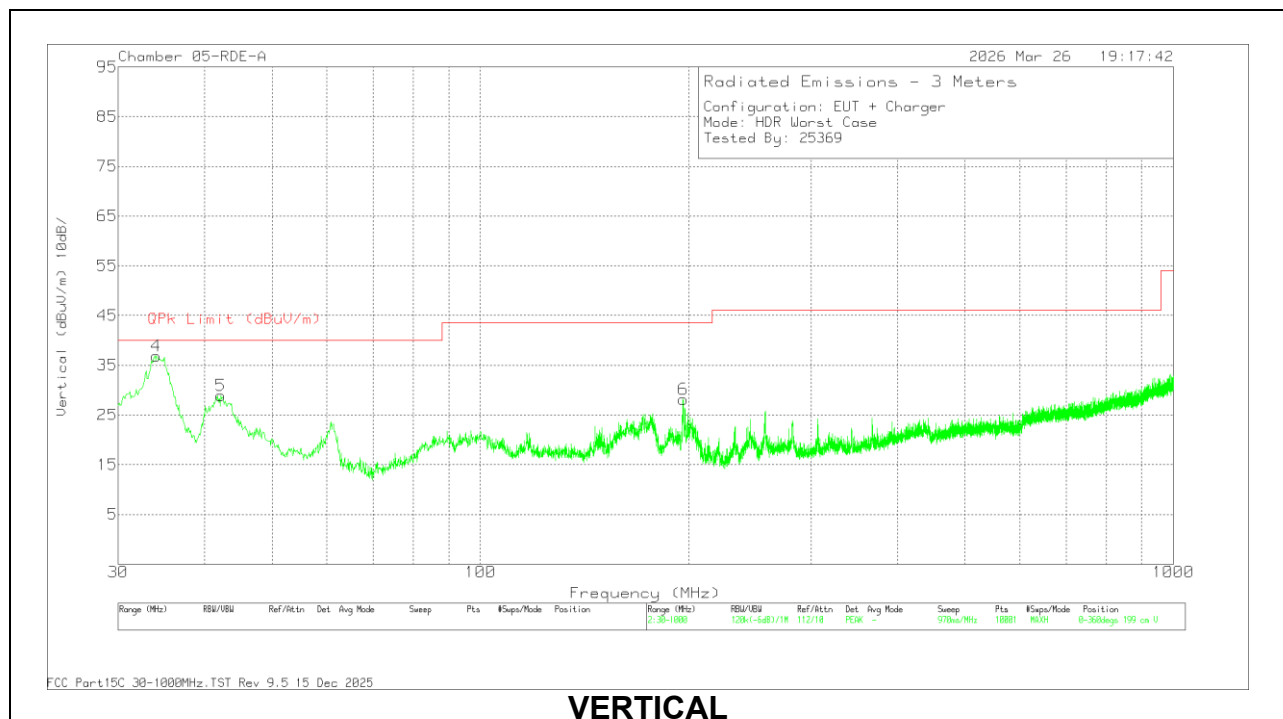
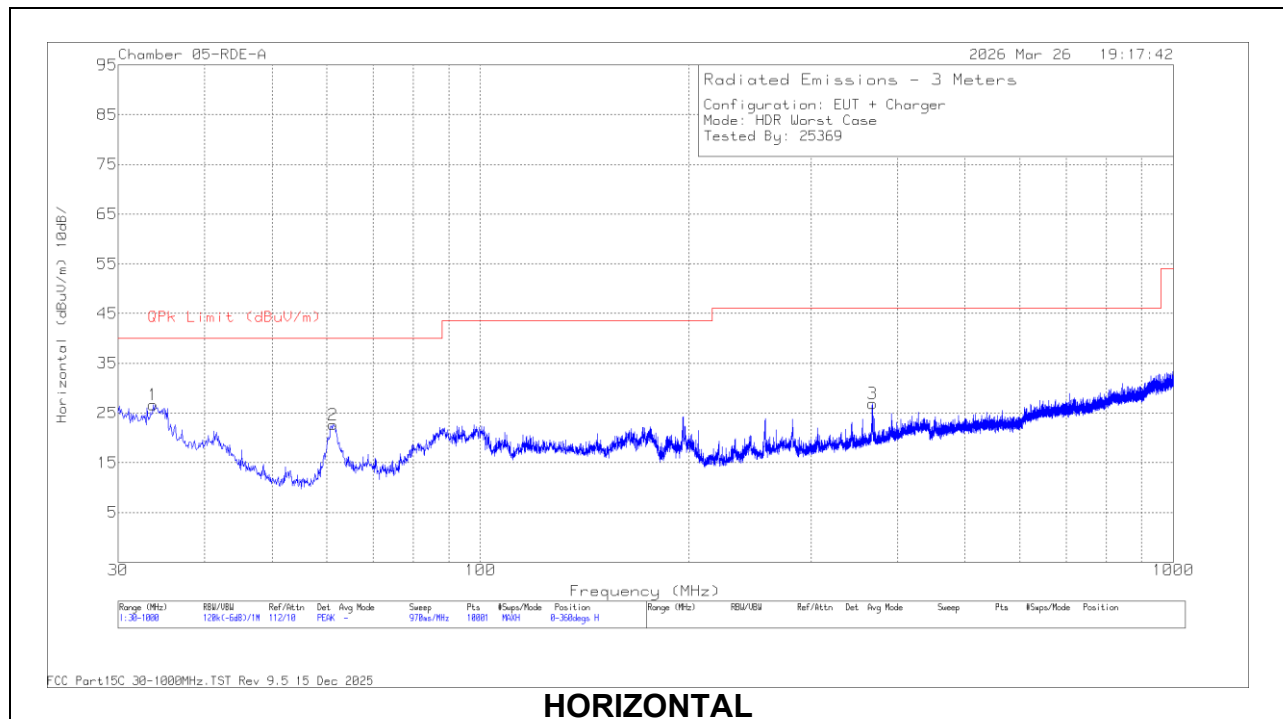
* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2. 30 MHz - 1 GHz – WORST-CASE

SPURIOUS EMISSIONS



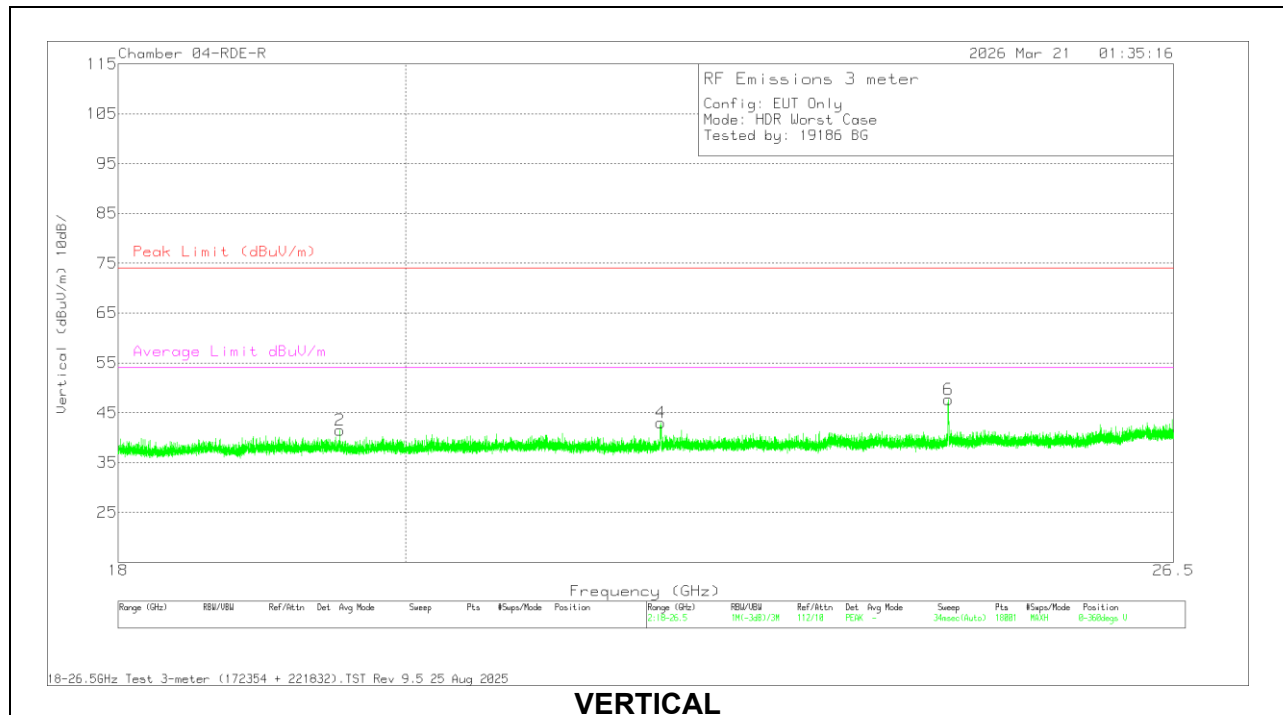
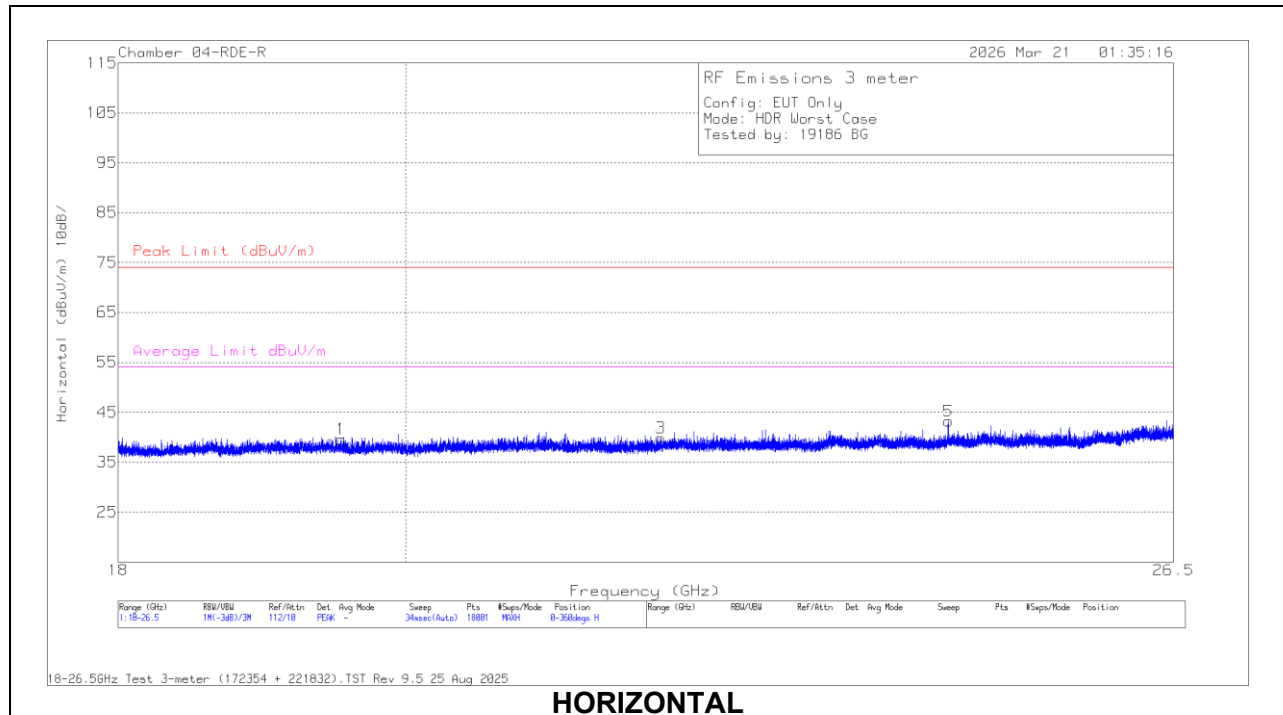
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	34.0957	42.04	Qp	24	-32.3	33.74	40	-6.26	282	101	V
4	34.1808	30.09	Qp	24	-32.3	21.79	40	-18.21	29	253	H
5	42.0124	40.53	Qp	18.2	-32.1	26.63	40	-13.37	250	102	V
2	61.3299	39.26	Qp	13.6	-32	20.86	40	-19.14	169	384	H
6	196.256	40.27	Qp	18.3	-31.2	27.37	43.52	-16.15	101	104	V
3	367.94	34.69	Qp	20.7	-30.6	24.79	46.02	-21.23	88	102	H

Qp - Quasi-Peak detector

10.3. 18 GHz - 26 GHz – WORST-CASE

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172354 3m AF (dB/m)	18-26GHz Amp (dB)	Cables (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.52076	56.55	PK2	32.4	-62.7	16.3	0	42.55	74	-31.45	-	-	198	107	V
	* 19.52195	44.93	MAv1	32.4	-62.7	16.3	1.3	32.23	-	-	54	-21.77	198	107	V
2	* 19.52902	43.2	MAv1	32.4	-62.7	16.3	1.3	30.5	-	-	54	-23.5	360	100	H
	* 19.5318	55.2	PK2	32.4	-62.6	16.3	0	41.3	74	-32.7	-	-	360	100	H
3	21.96104	53.73	PK2	33.1	-62	17.2	0	42.03	-	-	-	-	360	100	H
	21.962869	42	MAv1	33.1	-62	17.2	1.3	31.6	-	-	-	-	360	100	H
4	21.961215	58.13	PK2	33.1	-62	17.2	0	46.43	-	-	-	-	229	112	V
	21.960953	45.64	MAv1	33.1	-62	17.2	1.3	35.24	-	-	-	-	229	112	V
5	24.402452	59.32	PK2	33.6	-62.1	18.3	0	49.12	-	-	-	-	279	109	V
	24.403332	46.79	MAv1	33.6	-62.1	18.3	1.3	37.89	-	-	-	-	279	109	V
6	24.402491	58.48	PK2	33.6	-62.1	18.3	0	48.28	-	-	-	-	160	109	H
	24.401704	46.14	MAv1	33.6	-62.1	18.3	1.3	37.24	-	-	-	-	160	109	H

* - indicates frequency in 47 CFR Part 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 (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.

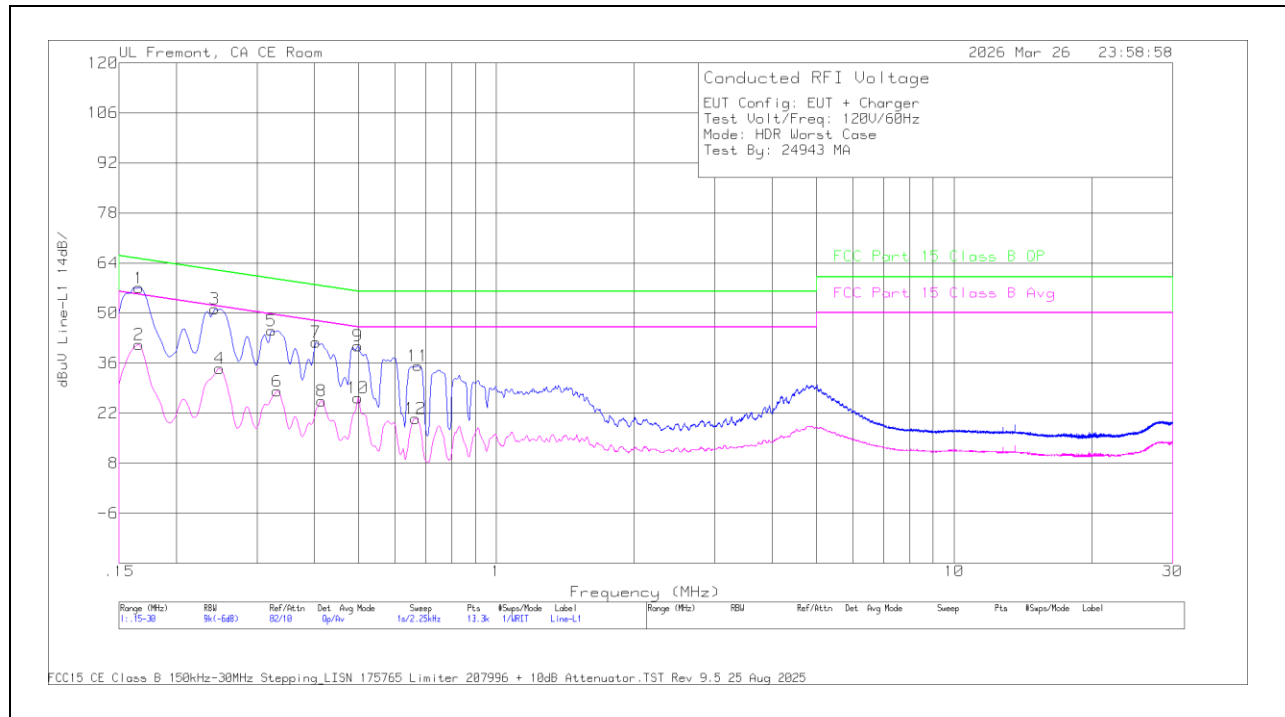
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

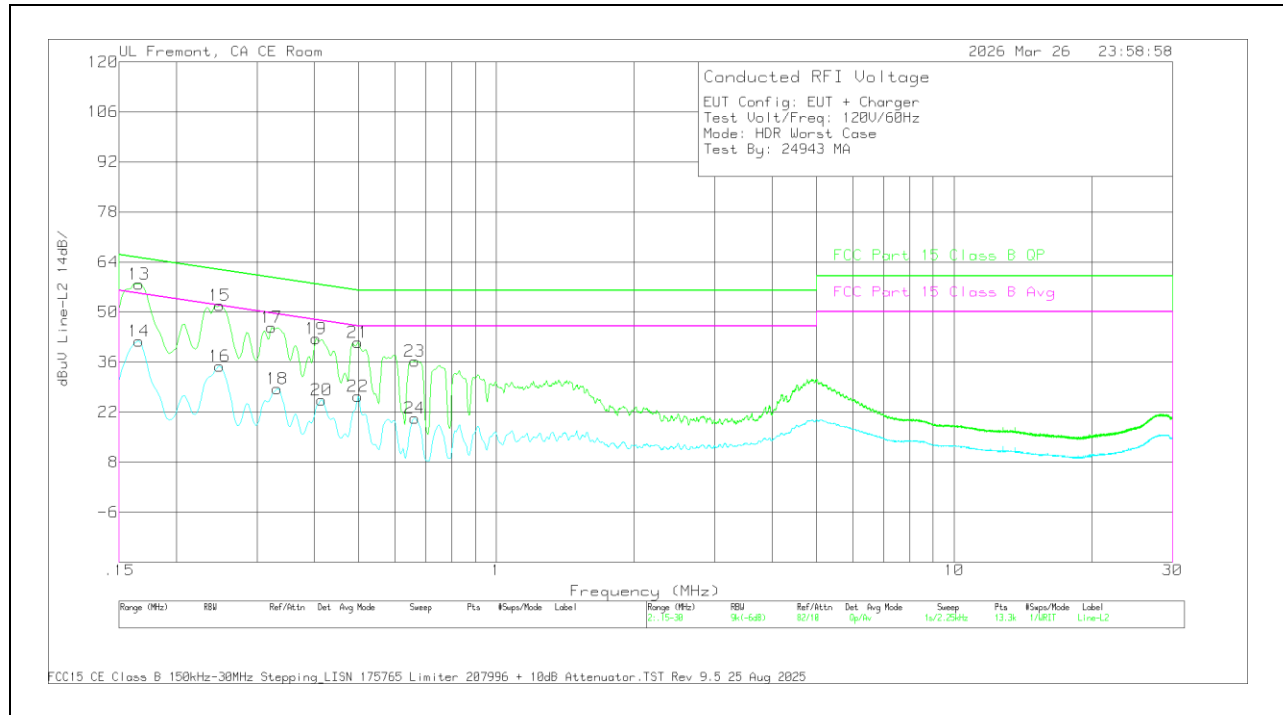


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	21.78	Av	.1	9.4	9.9	41.18	-	-	55.17	-13.99
4	.249	15.19	Av	0	9.4	9.9	34.49	-	-	51.79	-17.3
6	.3323	8.9	Av	0	9.3	9.9	28.1	-	-	49.39	-21.29
8	.4155	6.21	Av	0	9.3	9.9	25.41	-	-	47.54	-22.13
10	.4988	7.03	Av	0	9.3	9.9	26.23	-	-	46.02	-19.79
12	.6664	1.14	Av	0	9.4	10	20.54	-	-	46	-25.46
1	.1658	37.61	Qp	.1	9.4	9.9	57.01	65.17	-8.16	-	-
3	.2423	31.81	Qp	0	9.4	9.9	51.11	62.02	-10.91	-	-
5	.3233	25.78	Qp	0	9.4	9.9	45.08	59.62	-14.54	-	-
7	.4043	22.67	Qp	0	9.3	9.9	41.87	57.77	-15.9	-	-
9	.4988	21.63	Qp	0	9.3	9.9	40.83	56.02	-15.19	-	-
11	.6743	15.87	Qp	0	9.4	10	35.27	56	-20.73	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS**MEASURED DATA**

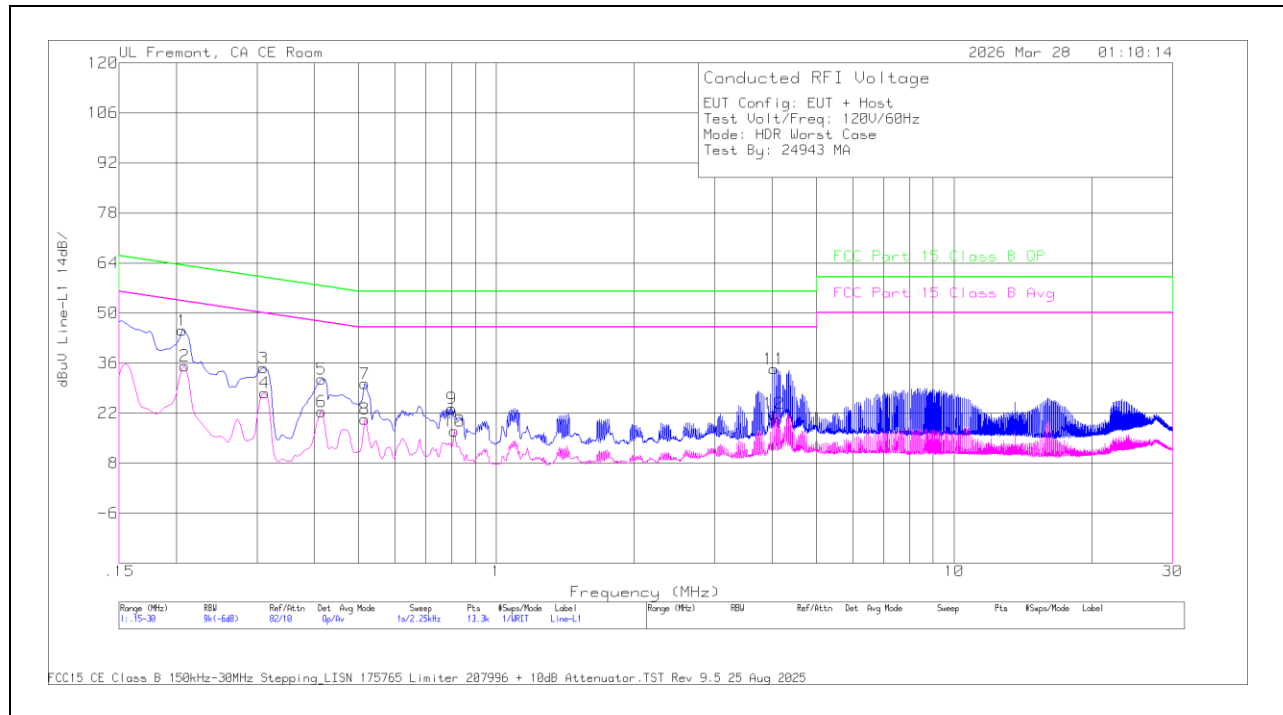
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
14	.1658	22.42	Av	.1	9.4	9.9	41.82	-	-	55.17	-13.35
16	.249	15.56	Av	0	9.4	9.9	34.86	-	-	51.79	-16.93
18	.3323	9.33	Av	0	9.3	9.9	28.53	-	-	49.39	-20.86
20	.4155	6.22	Av	0	9.3	9.9	25.42	-	-	47.54	-22.12
22	.4988	7.21	Av	0	9.3	9.9	26.41	-	-	46.02	-19.61
24	.663	.87	Av	0	9.4	10	20.27	-	-	46	-25.73
13	.1658	38.45	Qp	.1	9.4	9.9	57.85	65.17	-7.32	-	-
15	.249	32.48	Qp	0	9.4	9.9	51.78	61.79	-10.01	-	-
17	.3233	26.36	Qp	0	9.4	9.9	45.66	59.62	-13.96	-	-
19	.4043	23.37	Qp	0	9.3	9.9	42.57	57.77	-15.2	-	-
21	.4988	22.32	Qp	0	9.3	9.9	41.52	56.02	-14.5	-	-
23	.663	16.9	Qp	0	9.4	10	36.3	56	-19.7	-	-

Qp - Quasi-Peak detector

Av - Average detection

11.2. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS

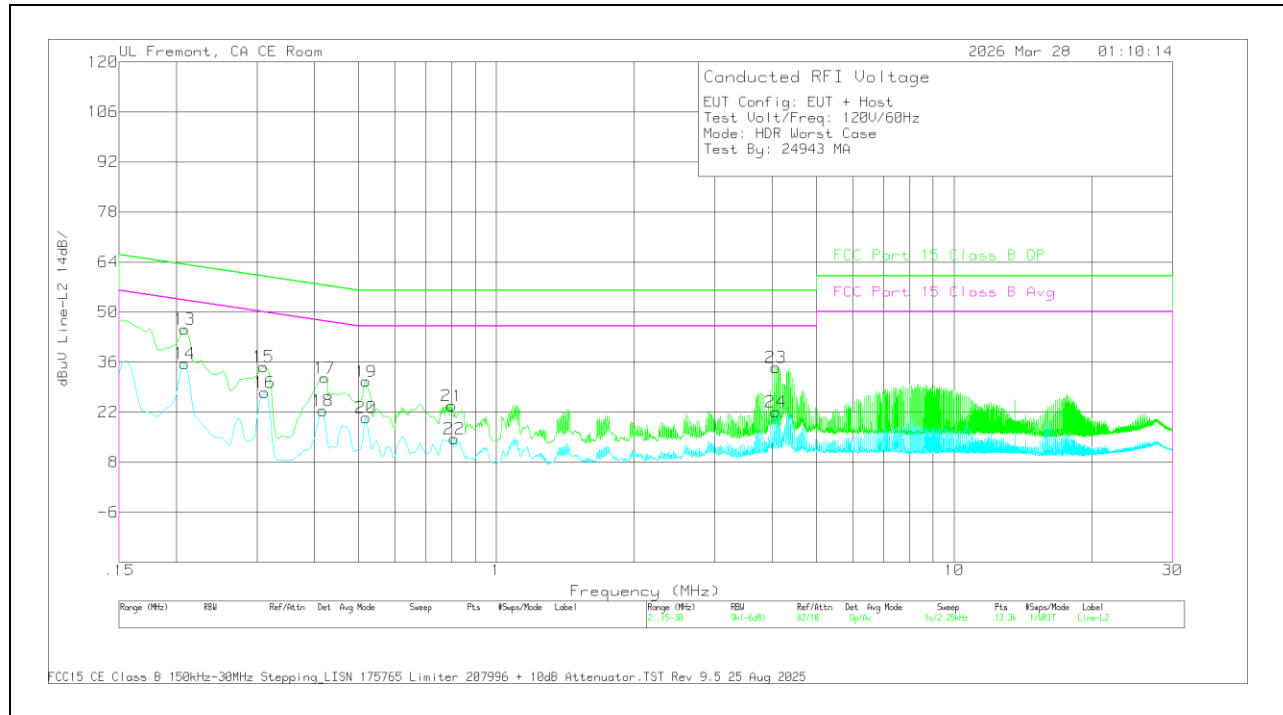


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.2085	15.94	Av	0	9.4	9.9	35.24	-	-	53.26	-18.02
4	.312	8.36	Av	0	9.4	9.9	27.66	-	-	49.92	-22.26
6	.4155	3.26	Av	0	9.3	9.9	22.46	-	-	47.54	-25.08
8	.5168	1.06	Av	0	9.3	9.9	20.26	-	-	46	-25.74
10	.8093	-2.27	Av	0	9.3	9.9	16.93	-	-	46	-29.07
12	4.0425	2.58	Av	0	9.4	9.9	21.88	-	-	46	-24.12
1	.2063	25.8	Qp	0	9.4	9.9	45.1	63.35	-18.25	-	-
3	.3098	15.29	Qp	0	9.4	9.9	34.59	59.98	-25.39	-	-
5	.4155	12.3	Qp	0	9.3	9.9	31.5	57.54	-26.04	-	-
7	.5168	11.01	Qp	0	9.3	9.9	30.21	56	-25.79	-	-
9	.8003	4.07	Qp	0	9.3	9.9	23.27	56	-32.73	-	-
11	4.0425	15.09	Qp	0	9.4	9.9	34.39	56	-21.61	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS**MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
14	.2085	16.28	Av	0	9.4	9.9	35.58	-	-	53.26	-17.68
16	.312	8.24	Av	0	9.4	9.9	27.54	-	-	49.92	-22.38
18	.4178	3.27	Av	0	9.3	9.9	22.47	-	-	47.49	-25.02
20	.519	1.24	Av	0	9.3	9.9	20.44	-	-	46	-25.56
22	.8104	-4.8	Av	0	9.4	9.9	14.5	-	-	46	-31.5
24	4.083	2.73	Av	0	9.4	9.9	22.03	-	-	46	-23.97
13	.2085	25.89	Qp	0	9.4	9.9	45.19	63.26	-18.07	-	-
15	.3098	15.41	Qp	0	9.4	9.9	34.71	59.98	-25.27	-	-
17	.4223	12.39	Qp	0	9.3	9.9	31.59	57.4	-25.81	-	-
19	.519	11.35	Qp	0	9.3	9.9	30.55	56	-25.45	-	-
21	.8003	4.43	Qp	0	9.4	9.9	23.73	56	-32.27	-	-
23	4.083	15.13	Qp	0	9.4	9.9	34.43	56	-21.57	-	-

Qp - Quasi-Peak detector

Av - Average detection

12. SETUP PHOTOS

Please refer to 16064952-EP1V1 for setup photos.

13. APPENDIX A – SPOT CHECK EVALUATION

13.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3447, A3719, A3720 and A3721. These models are very similar, with only the following differences.

Model	IC ID	FCC ID	Feature Difference	Sim Support	Reference Model
A3447	579C-E9188A	BCG-E9188A	-With FR2 -No LTE B11, B21	eSIM	-
A3719	579C-E9198A	BCG-E9198A	-Without FR2 -Added LTE B11, B21	eSIM	A3472
A3720	579C-E9203A	BCG-E9203A	-Without FR2 -No LTE/5GNR B14, B29, B71 -No LTE B11, B21	eSIM	
A3721	579C-E9204A	BCG-E9204A	-Without FR2 -No LTE/5GNR B14, B29, B71, B53 -No LTE B11, B21, MSS	eSIM	

Note:

- All Models use the same System, Cellular and Connectivity radio electrical schematics.
- Removal of LTE/ 5GNR bands on models either done by software or de-population of related components. Please refer to data reuse test plan for details.
- All Models use the same Applications Processor and PMU.
- All Models use the same UICC hardware/software interface.
- All Models run the same Baseband firmware and iOS software.

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).

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

Where: d_{dB} deviation from Reference data, V_{dB} variant spot check level, and R_{dB} measurement level

13.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3719

A3719 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3447	Sub Model: A3719	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9188A IC : 579C-E9188A	FCC ID : BCG-E9198A IC : 579C-E9198A			
DTS/HDR	2.4	HDR8 (TxBF) High Power	8 Mbps	Avg Power (dBm)	Low	2.404	19.56	19.51	-0.05	-10.44	Note 1
		HDR4 (ANT 3) Low Power State B	4 Mbps	Radiated Bandedge (dBuV/m)	High	Horizontal High Bandedge AVG	48.84	47.67	-1.17	-5.16	Note 1
		Worst Case	CW	RSE (dBuV/m)	Mid	30-1000MHz Vertical QP	33.74	34.40	0.66	-6.26	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 A3720

A3719 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3447	Sub Model: A3720	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9188A IC : 579C-E9188A	FCC ID : BCG-E9203A IC : 579C-E9203A			
DTS/HDR	2.4	HDR8 (TxBF) High Power	8 Mbps	Avg Power (dBm)	Low	2.404	19.56	19.47	-0.09	-10.44	Note 1
		HDR4 (ANT 3) Low Power State B	4 Mbps	Radiated Bandedge (dBuV/m)	High	Horizontal High Bandedge AVG	48.84	48.62	-0.22	-5.16	Note 1
		Worst Case	CW	RSE (dBuV/m)	Mid	30-1000MHz Vertical QP	33.74	35.50	1.76	-6.26	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.

13.4. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3721

A3719 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3447	Sub Model: A3721	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9188A IC : 579C-E9188A	FCC ID : BCG-E9204A IC : 579C-E9204A			
DTS/HDR	2.4	HDR8 (TxBF) High Power	8 Mbps	Avg Power (dBm)	Low	2.404	19.56	19.53	-0.03	-10.44	Note 1
		HDR4 (ANT 3) Low Power State B	4 Mbps	Radiated Bandedge (dBuV/m)	High	Horizontal High Bandedge AVG	48.84	48.84	0.00	-5.16	Note 1
		Worst Case	CW	RSE (dBuV/m)	Mid	30-1000MHz Vertical QP	33.74	34.34	0.60	-6.26	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.