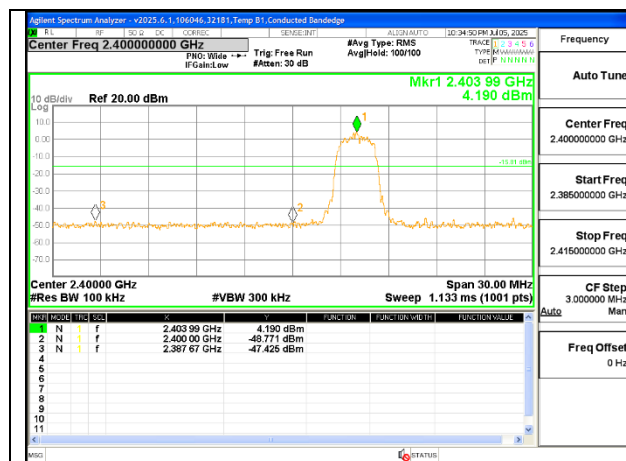
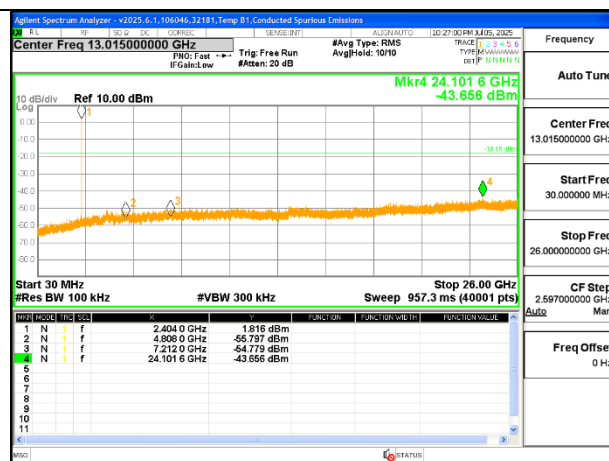


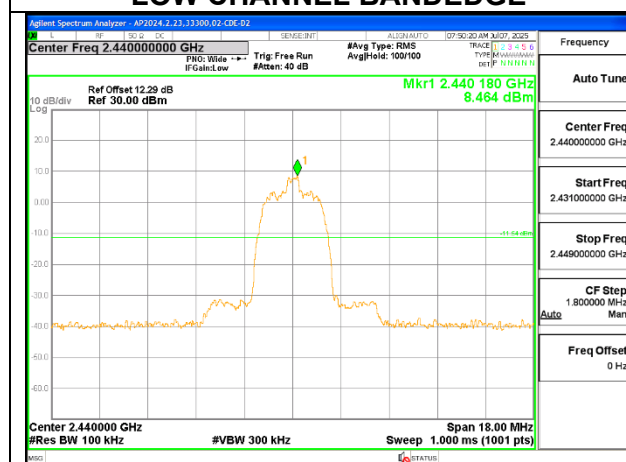
ANT 3



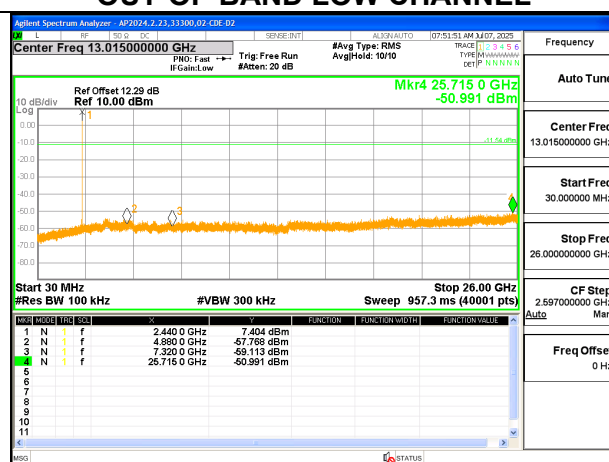
LOW CHANNEL BANDEDGE



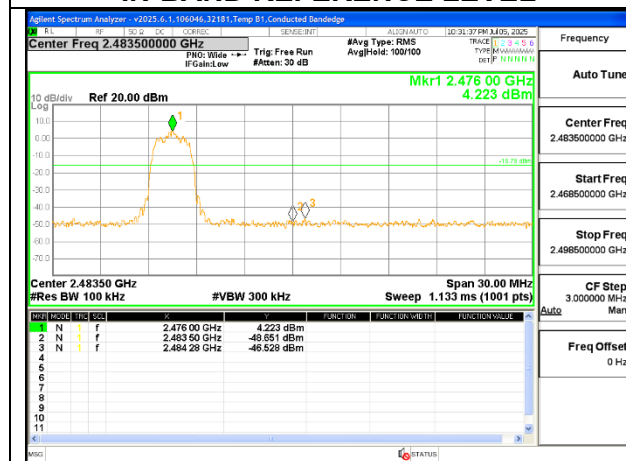
OUT-OF-BAND LOW CHANNEL



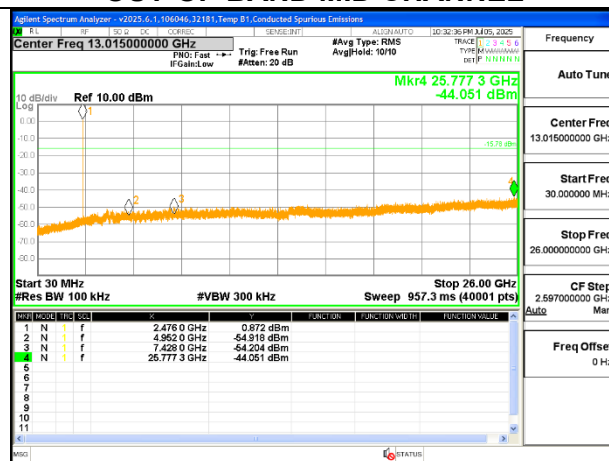
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



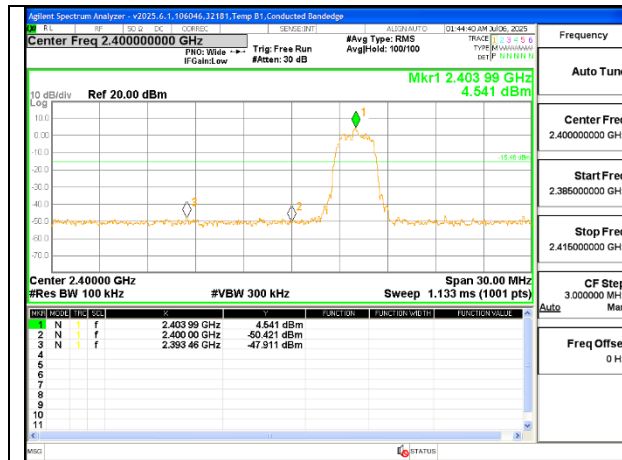
HIGH CHANNEL BANDEDGE



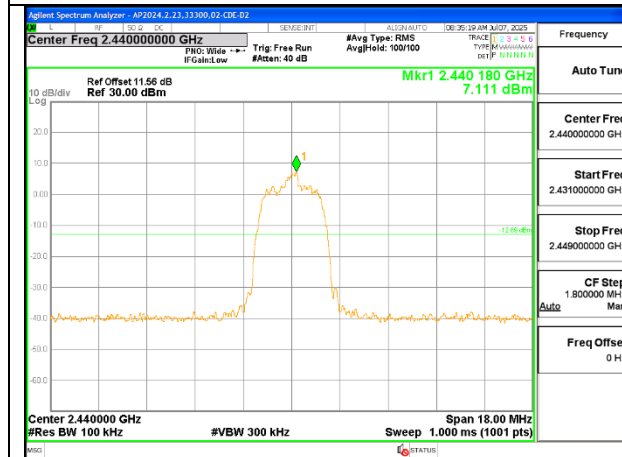
OUT-OF-BAND HIGH CHANNEL

9.7.6. LOW POWER HDR TXBF (HDR4)

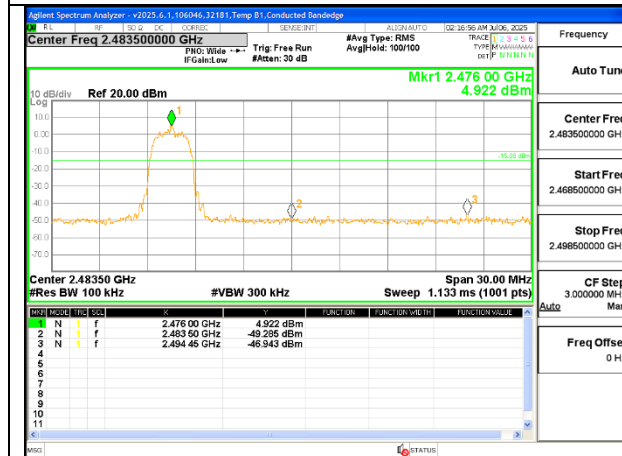
ANT 4



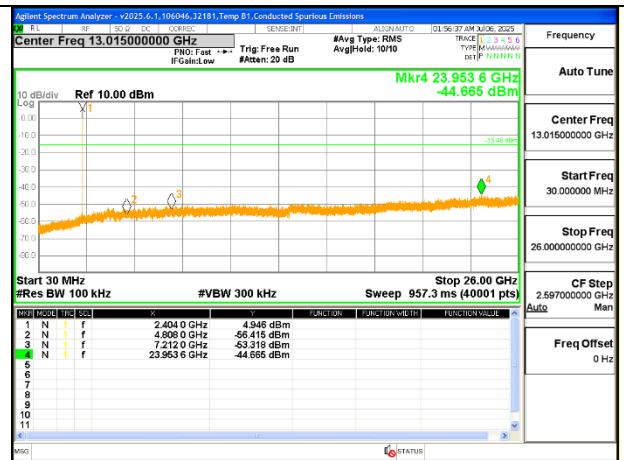
LOW CHANNEL BANDEDGE ANT 4



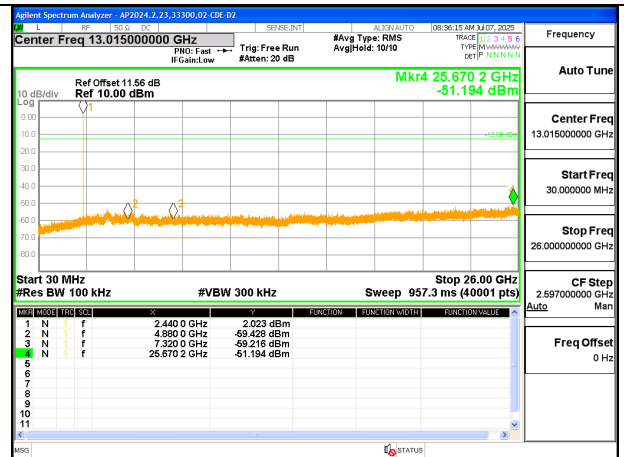
IN-BAND REFERENCE LEVEL ANT 4



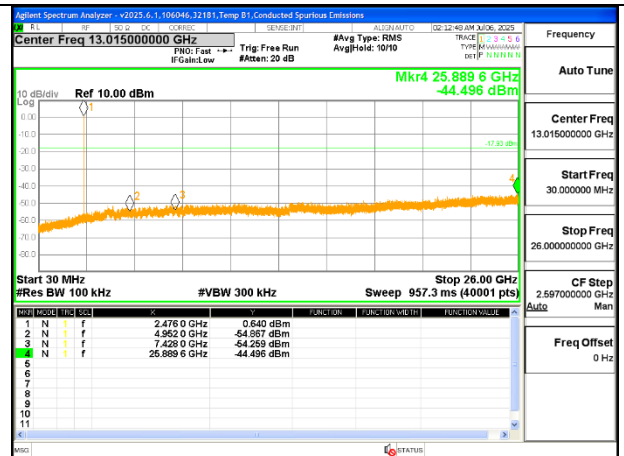
HIGH CHANNEL BANDEDGE ANT 4



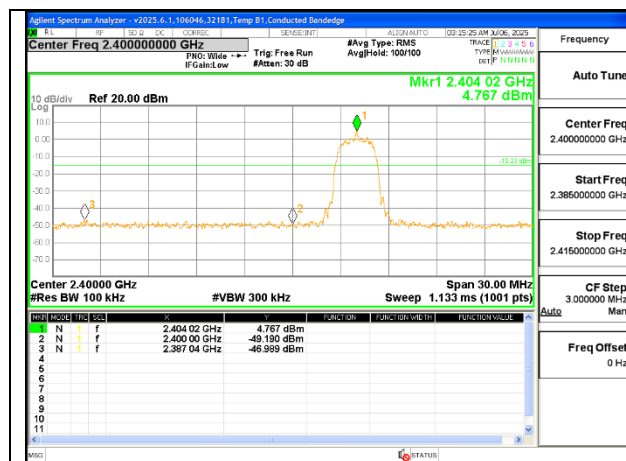
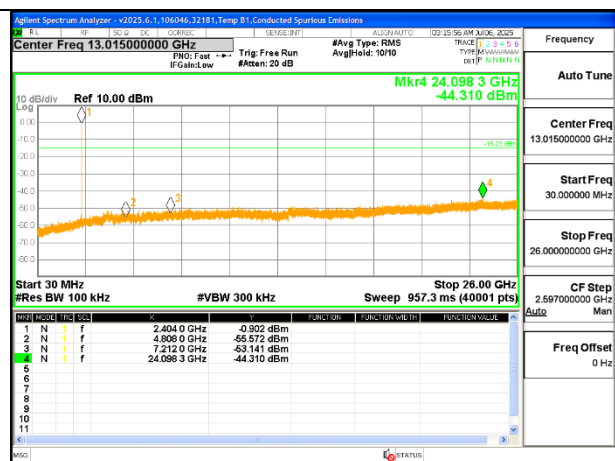
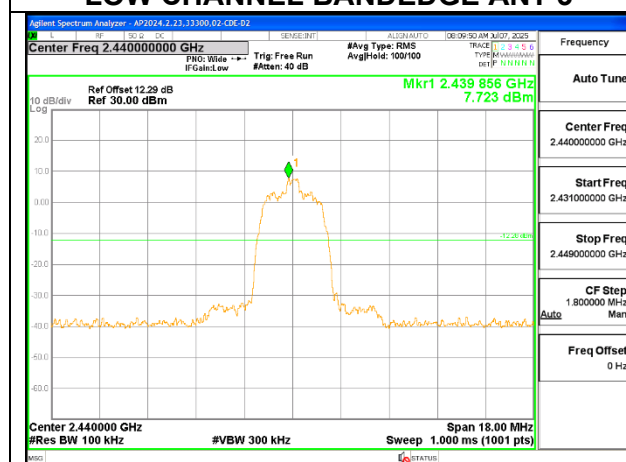
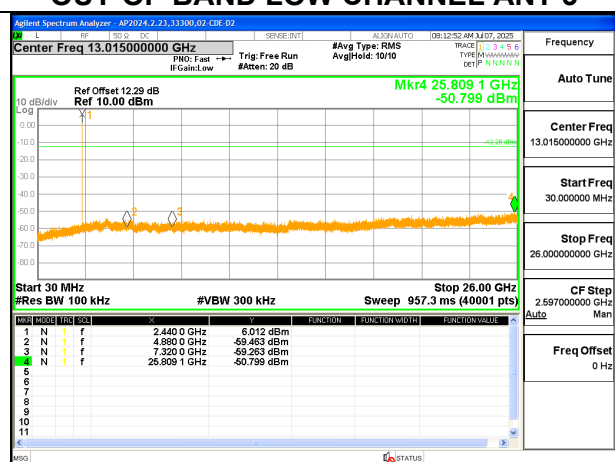
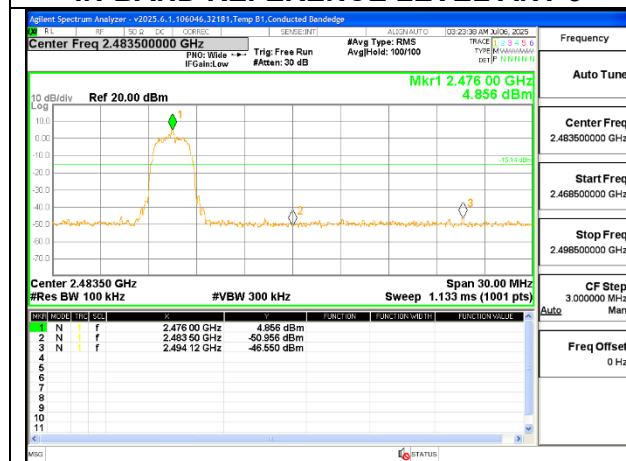
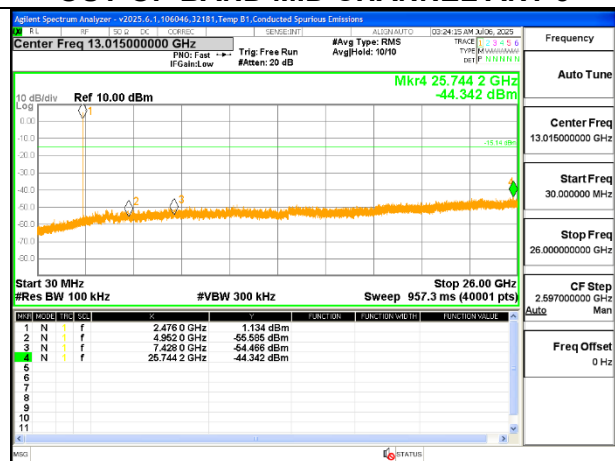
OUT-OF-BAND LOW CHANNEL ANT 4



OUT-OF-BAND MID CHANNEL ANT 4

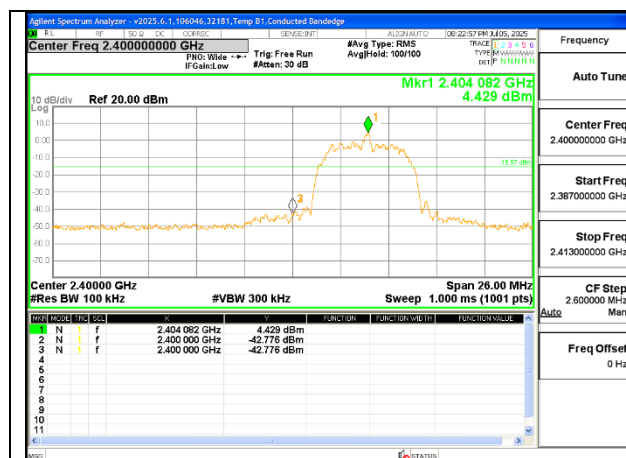


OUT-OF-BAND HIGH CHANNEL ANT 4

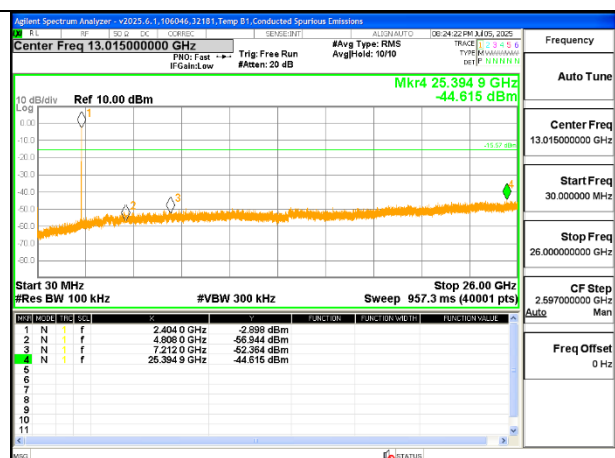
ANT 3**LOW CHANNEL BANDEDGE ANT 3****OUT-OF-BAND LOW CHANNEL ANT 3****IN-BAND REFERENCE LEVEL ANT 3****OUT-OF-BAND MID CHANNEL ANT 3****HIGH CHANNEL BANDEDGE ANT 3****OUT-OF-BAND HIGH CHANNEL ANT 3**

9.7.7. LOW POWER HDR (HDR8)

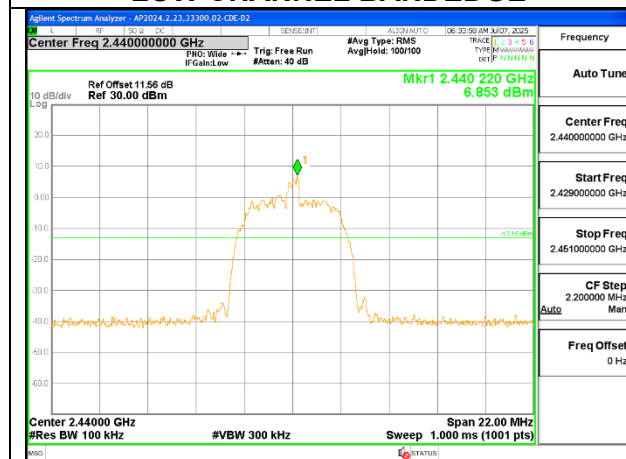
ANT 4



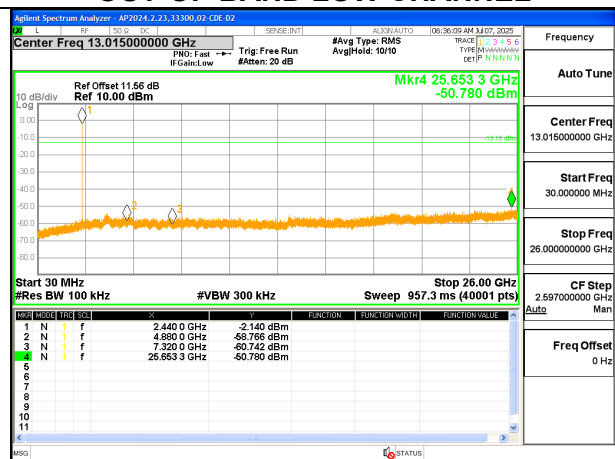
LOW CHANNEL BANDEDGE



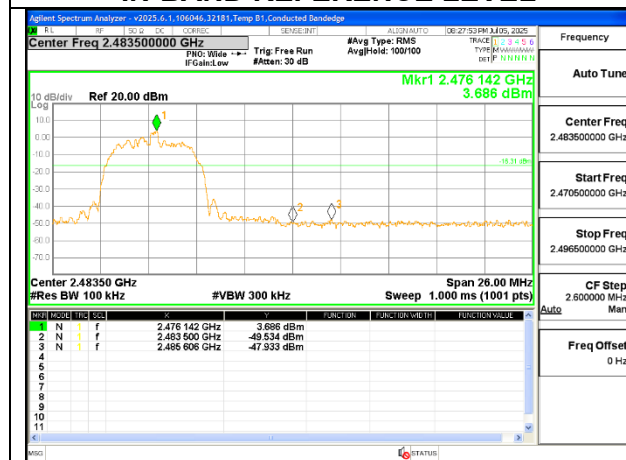
OUT-OF-BAND LOW CHANNEL



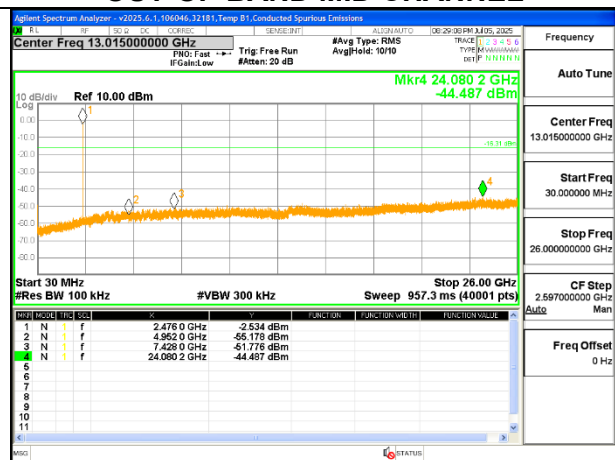
IN-BAND REFERENCE LEVEL



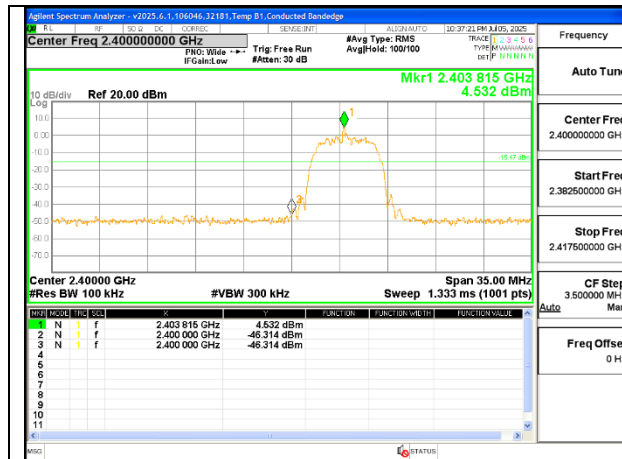
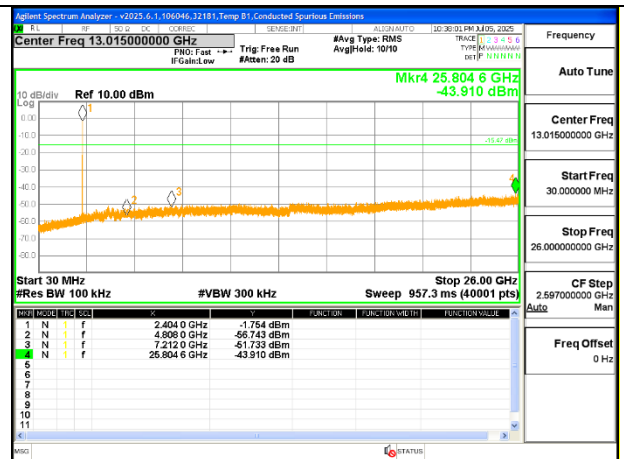
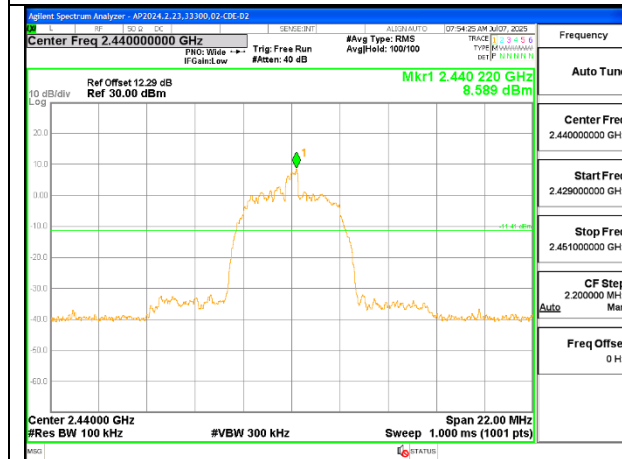
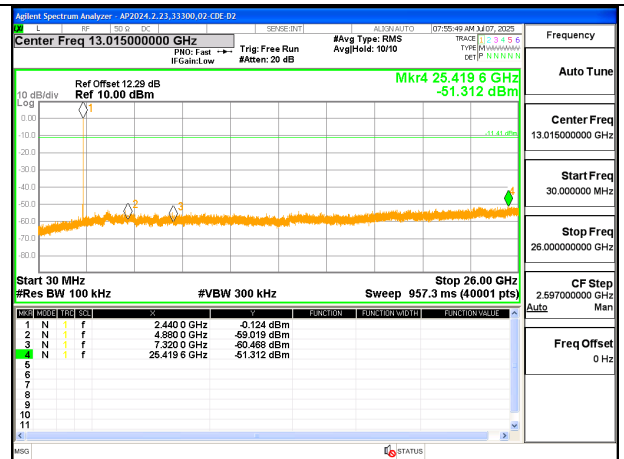
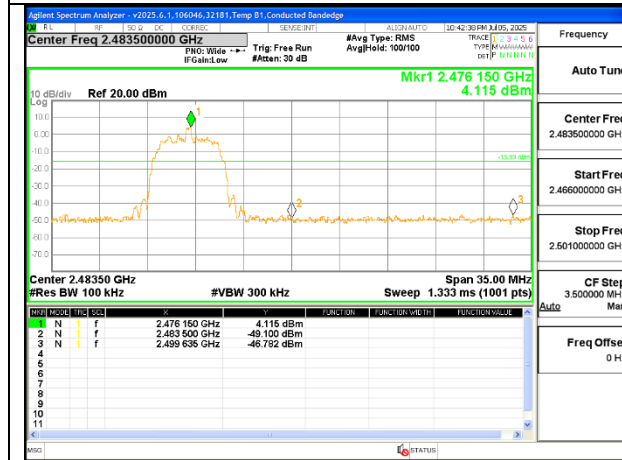
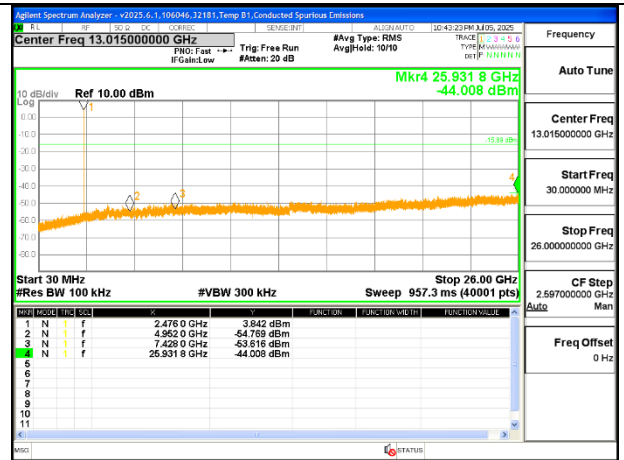
OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE

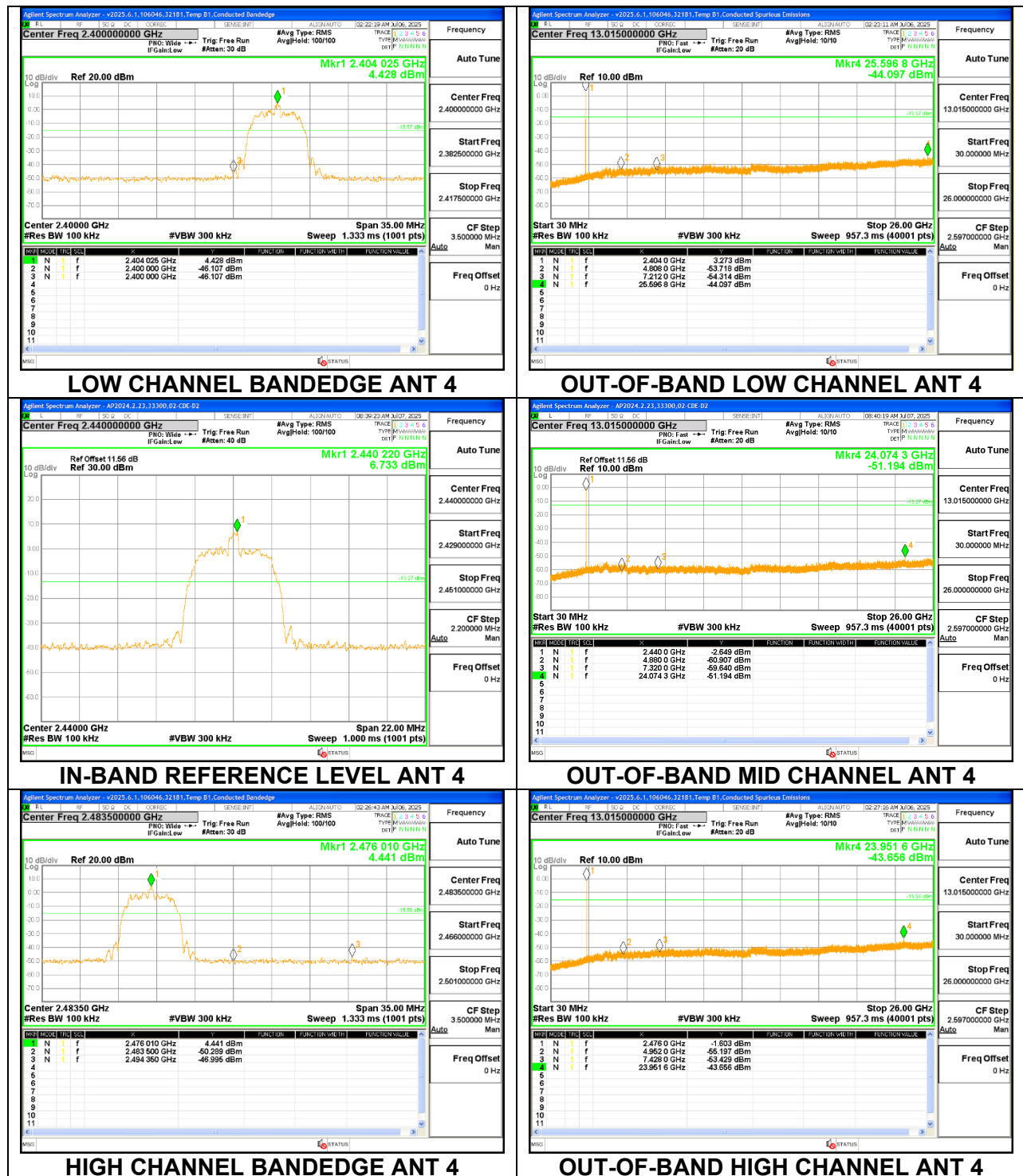


OUT-OF-BAND HIGH CHANNEL

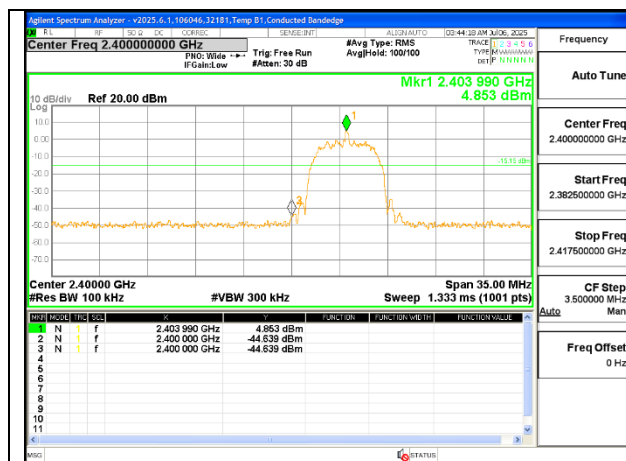
ANT 3**LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

9.7.8. LOW POWER HDR TXBF (HDR8)

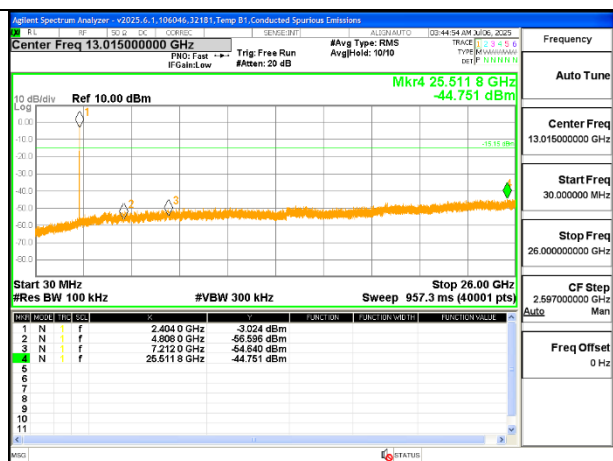
ANT 4



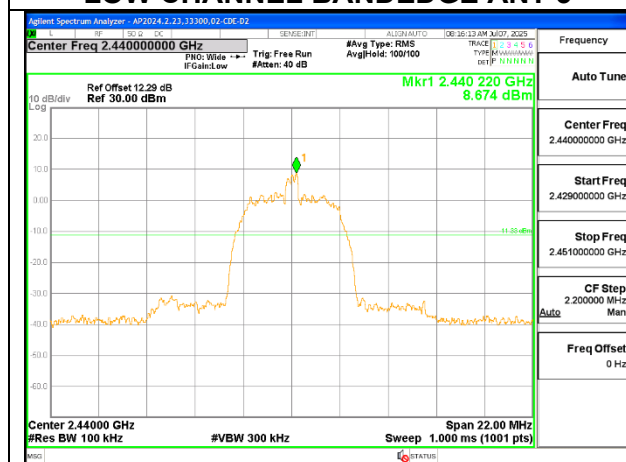
ANT 3



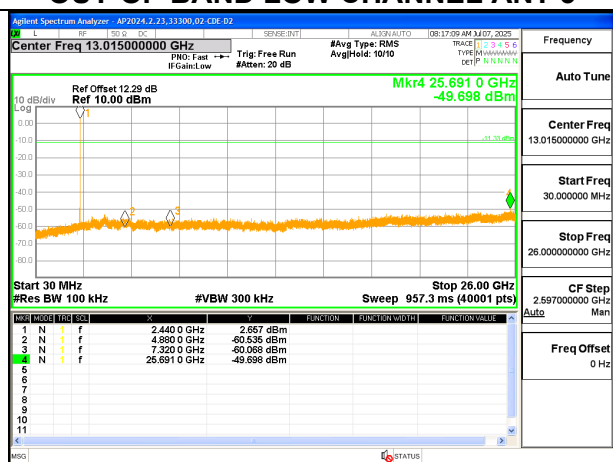
LOW CHANNEL BANDEDGE ANT 3



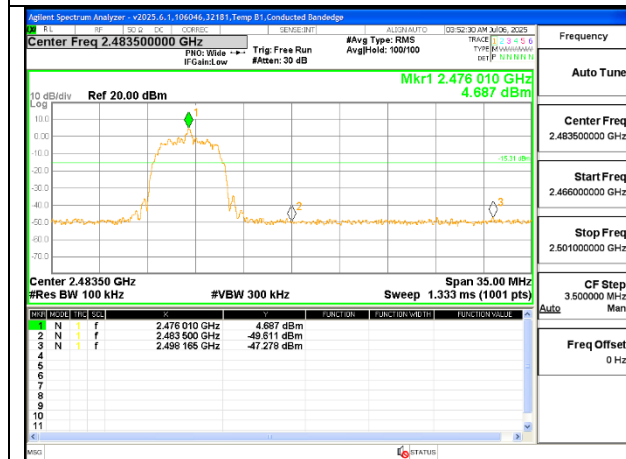
OUT-OF-BAND LOW CHANNEL ANT 3



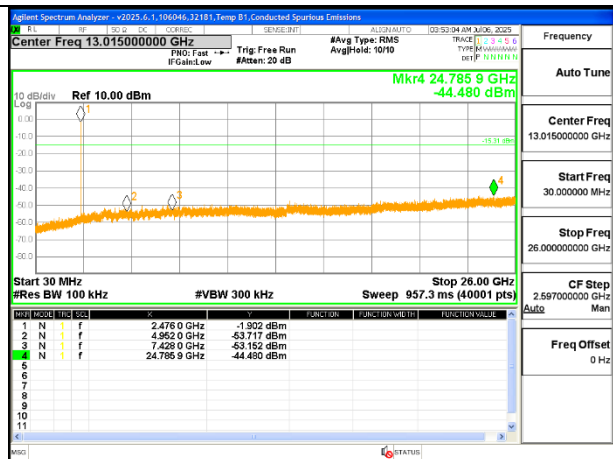
IN-BAND REFERENCE LEVEL ANT 3



OUT-OF-BAND MID CHANNEL ANT 3



HIGH CHANNEL BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL ANT 3

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

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

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

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

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

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

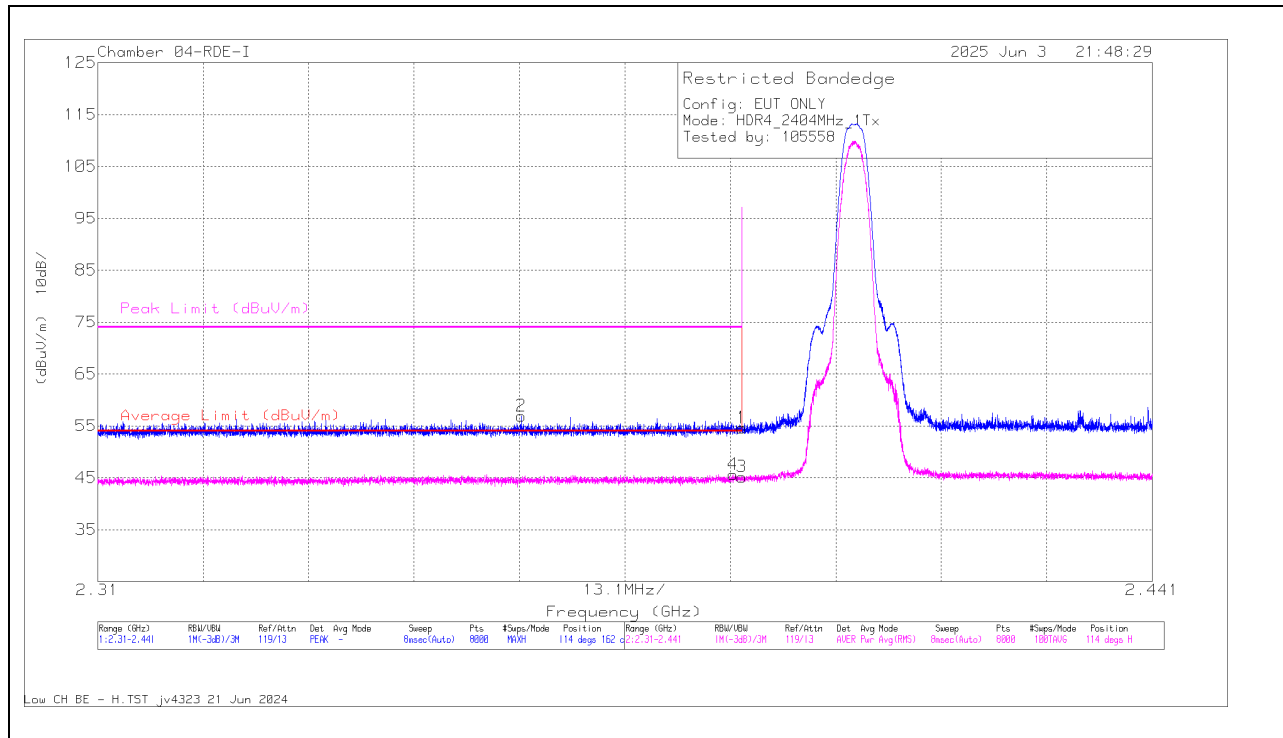
10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. HIGH POWER HDR (HDR4)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



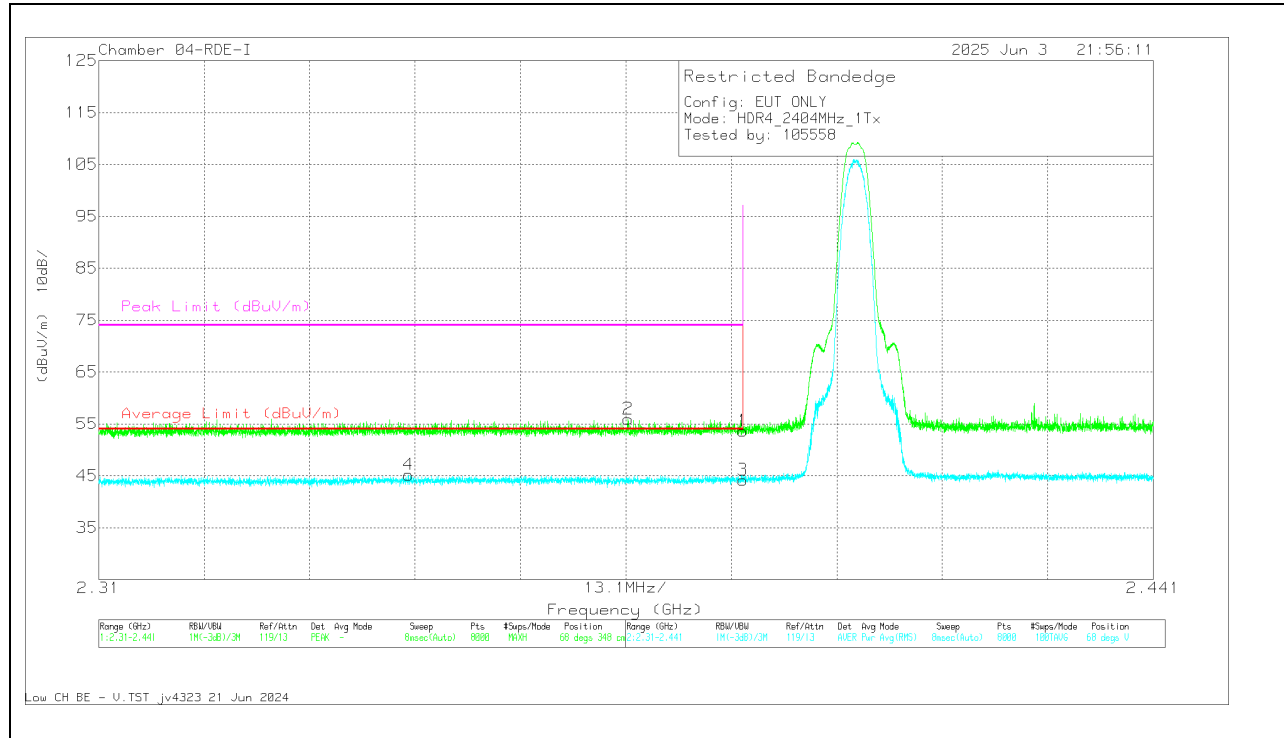
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.72	Pk	31.8	-19.9	0	54.62	-	-	74	-19.38	114	162	H
2	* 2.362636	44.91	Pk	31.7	-19.7	0	56.91	-	-	74	-17.09	114	162	H
3	* 2.39	32.19	RMS	31.8	-19.9	1.09	45.18	54	-8.82	-	-	114	162	H
4	* 2.388937	32.55	RMS	31.8	-19.8	1.09	45.64	54	-8.36	-	-	114	162	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

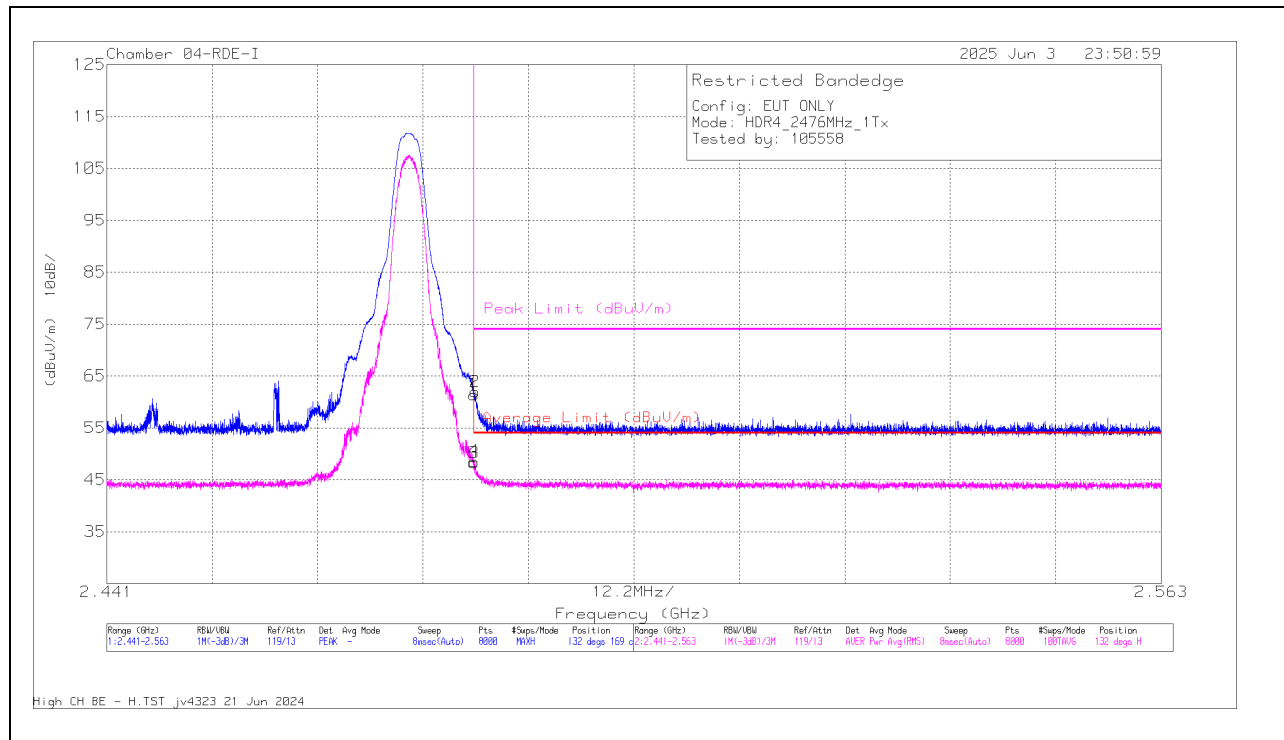


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.75	Pk	31.8	-19.9	0	53.65	-	-	74	-20.35	68	348	V
2	* 2.37577	44.05	Pk	31.7	-19.8	0	55.95	-	-	74	-18.05	68	348	V
3	* 2.39	31.2	RMS	31.8	-19.9	1.09	44.19	54	-9.81	-	-	68	348	V
4	* 2.348486	32.11	RMS	31.7	-19.7	1.09	45.2	54	-8.8	-	-	68	348	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

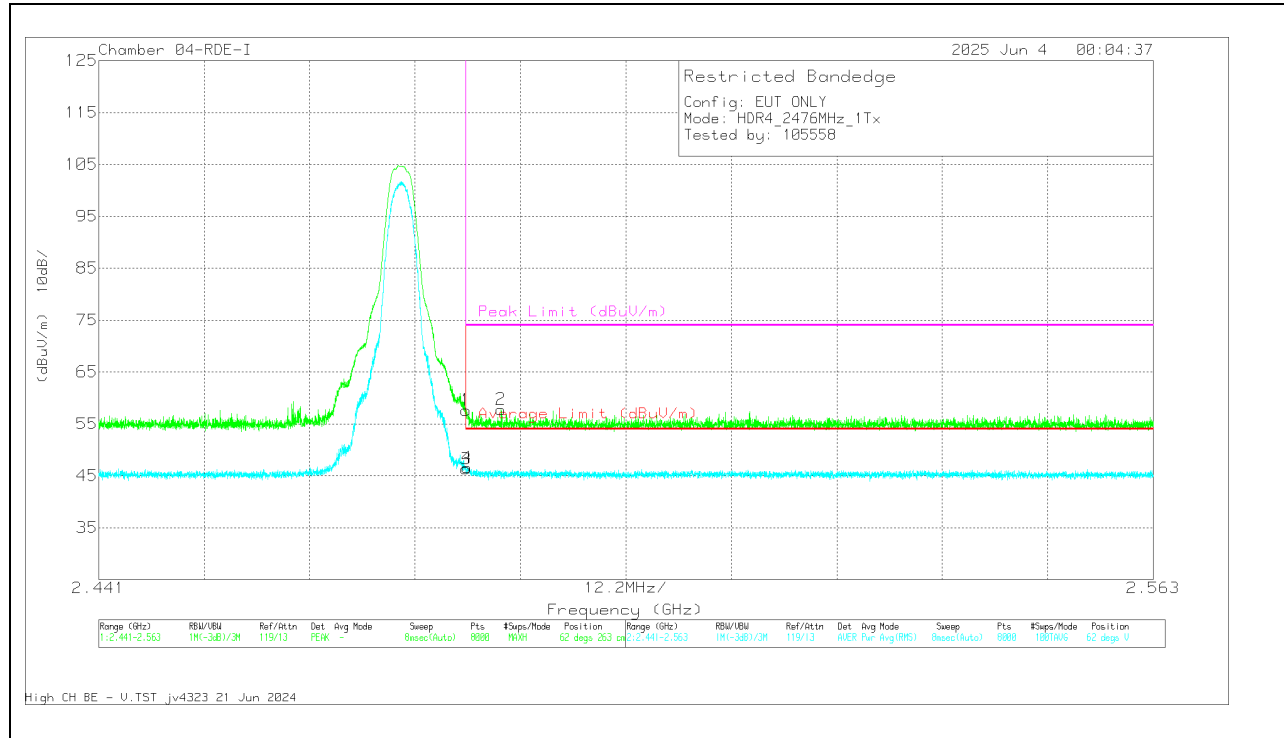
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.39	Pk	32.3	-20.3	0	61.39	-	-	74	-12.61	132	169	H
2	* 2.483614	49.96	Pk	32.3	-20.3	0	61.96	-	-	74	-12.04	132	169	H
3	* 2.4835	36.27	RMS	32.3	-20.3	1.09	49.36	54	-4.64	-	-	132	169	H
4	* 2.483507	36.56	RMS	32.3	-20.3	1.09	49.65	54	-4.35	-	-	132	169	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

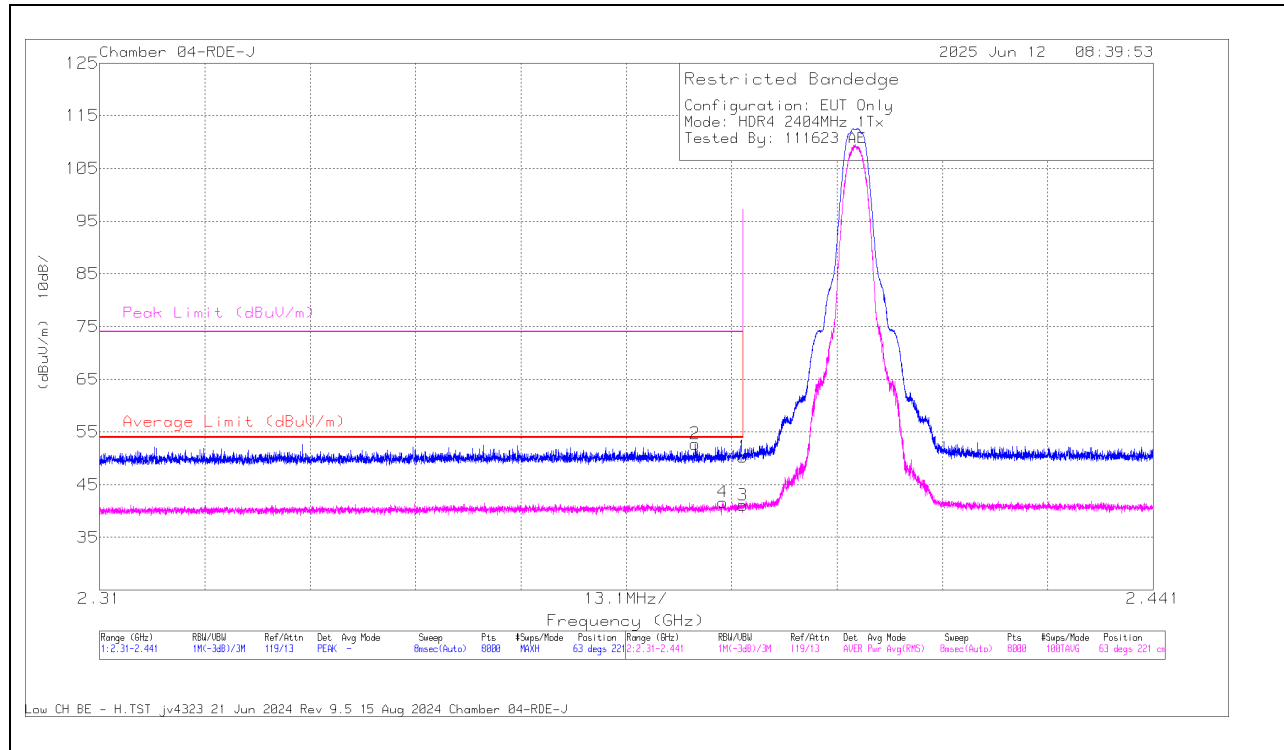


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	45.63	Pk	32.3	-20.3	0	57.63	-	-	74	-16.37	62	263	V
2	* 2.487534	45.77	Pk	32.3	-20.3	0	57.77	-	-	74	-16.23	62	263	V
3	* 2.4835	33.24	RMS	32.3	-20.3	1.09	46.33	54	-7.67	-	-	62	263	V
4	* 2.483614	33.48	RMS	32.3	-20.3	1.09	46.57	54	-7.43	-	-	62	263	V

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

Pk - Peak detector

RMS - RMS detection

ANT 3**BANEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

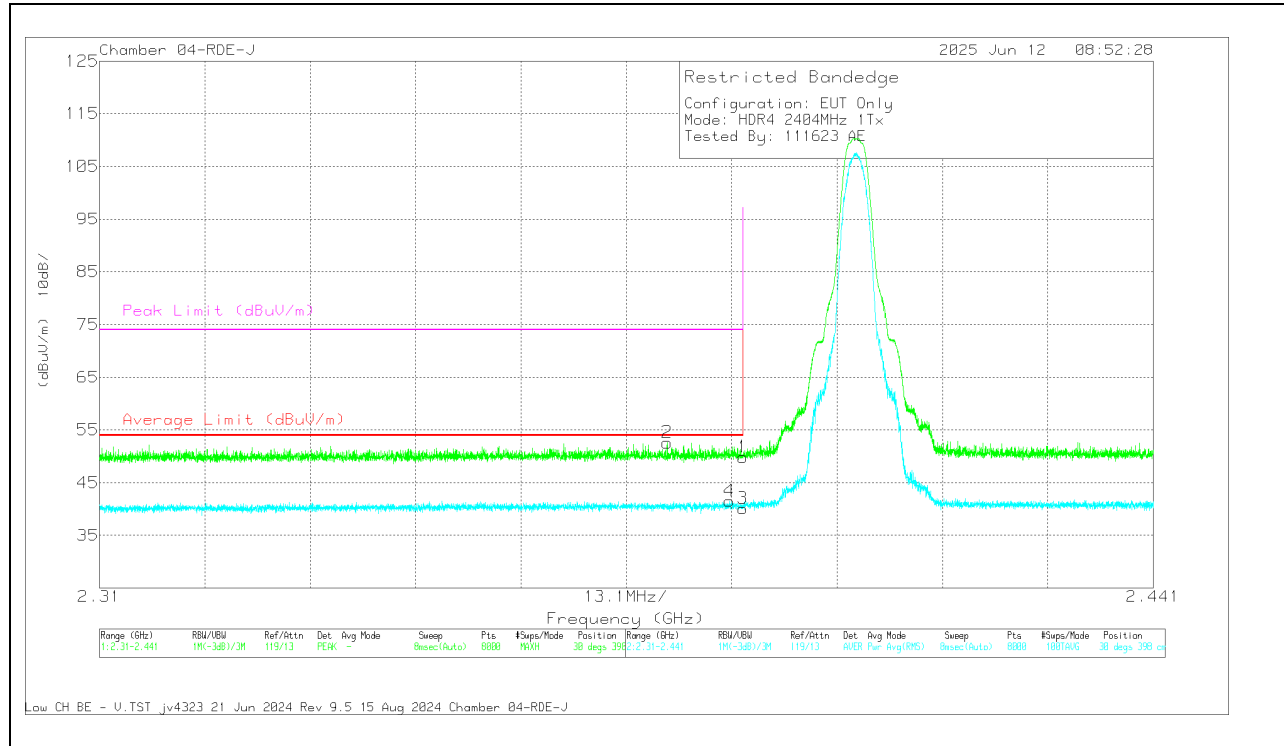
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.14	Pk	32.2	-37.1	0	50.24	-	-	74	-23.76	63	221	H
2	* 2.384057	57.6	Pk	32.2	-37.1	0	52.7	-	-	74	-21.3	63	221	H
3	* 2.39	44.9	RMS	32.2	-37.1	1.09	41.09	54	-12.91	-	-	63	221	H
4	* 2.387496	45.48	RMS	32.2	-37.1	1.09	41.67	54	-12.33	-	-	63	221	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

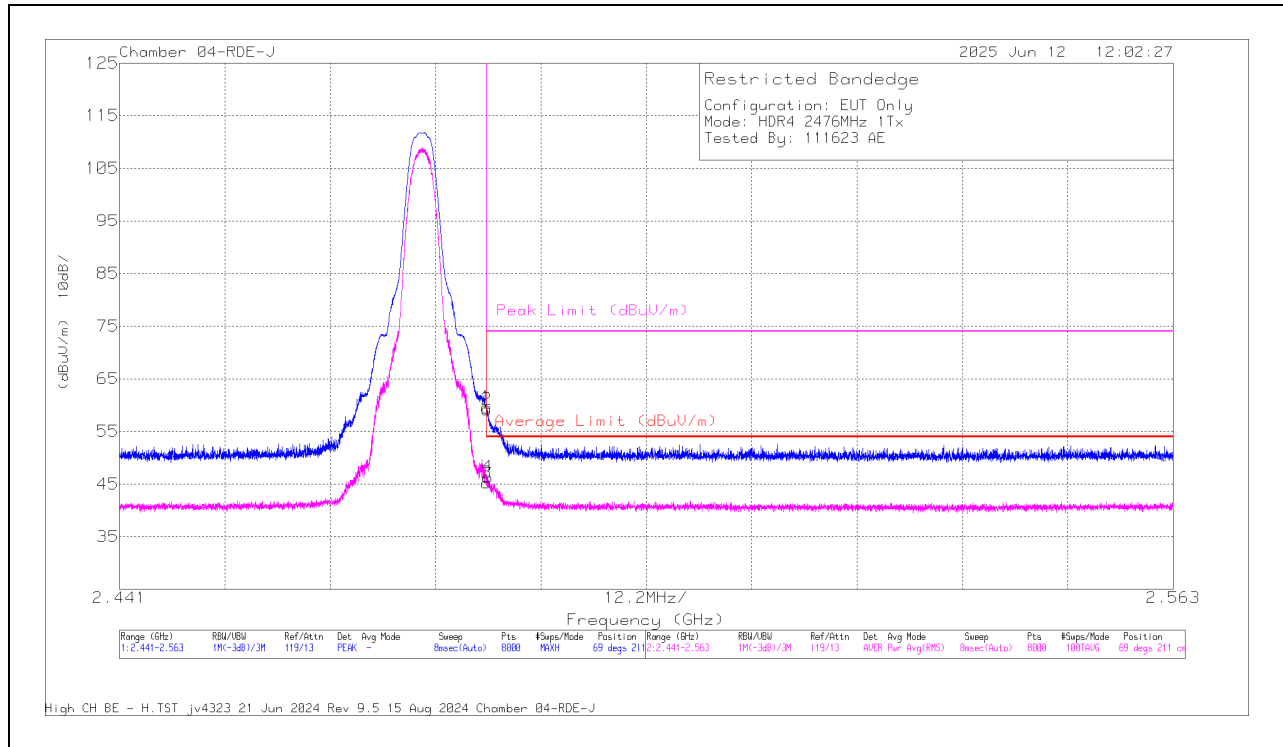


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.74	Pk	32.2	-37.1	0	49.84	-	-	74	-24.16	30	398	V
2	* 2.380568	57.49	Pk	32.2	-37.1	0	52.59	-	-	74	-21.41	30	398	V
3	* 2.39	43.9	RMS	32.2	-37.1	1.09	40.09	54	-13.91	-	-	30	398	V
4	* 2.388315	45.31	RMS	32.2	-37.1	1.09	41.5	54	-12.5	-	-	30	398	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

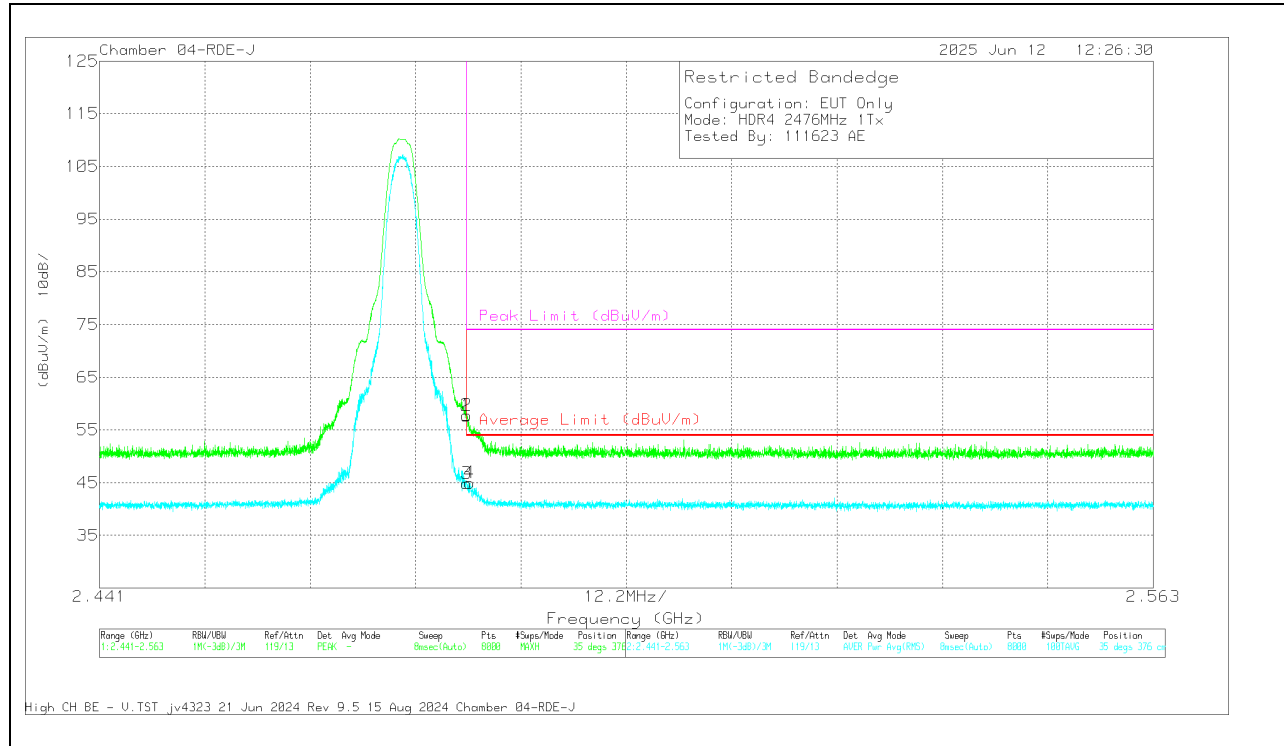
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBm/m)	Average Limit (dBm/m)	Margin (dB)	Peak Limit (dBm/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	64.04	Pk	32.4	-36.9	0	59.54	-	-	74	-14.46	69	211	H
2	* 2.483538	63.65	Pk	32.4	-36.9	0	59.15	-	-	74	-14.85	69	211	H
3	* 2.4835	48.61	RMS	32.4	-36.9	1.09	45.2	54	-8.8	-	-	69	211	H
4	* 2.483645	49.75	RMS	32.4	-36.9	1.09	46.34	54	-7.66	-	-	69	211	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

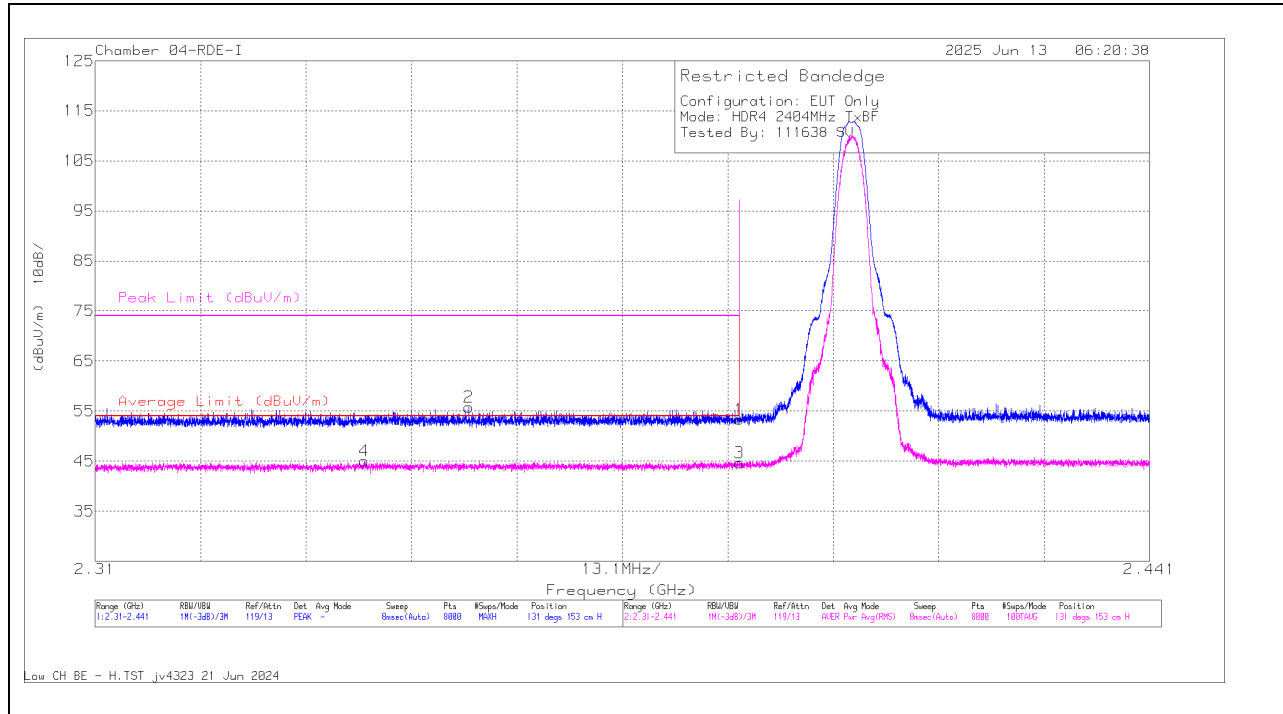


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62.28	Pk	32.4	-36.9	0	57.78	-	-	74	-16.22	35	376	V
2	* 2.483507	62.24	Pk	32.4	-36.9	0	57.74	-	-	74	-16.26	35	376	V
3	* 2.4835	48.29	RMS	32.4	-36.9	1.09	44.88	54	-9.12	-	-	35	376	V
4	* 2.483858	48.36	RMS	32.4	-36.9	1.09	44.95	54	-9.05	-	-	35	376	V

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

Pk - Peak detector

RMS - RMS detection

10.2.2. HIGH POWER HDR TXBF (HDR4)**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

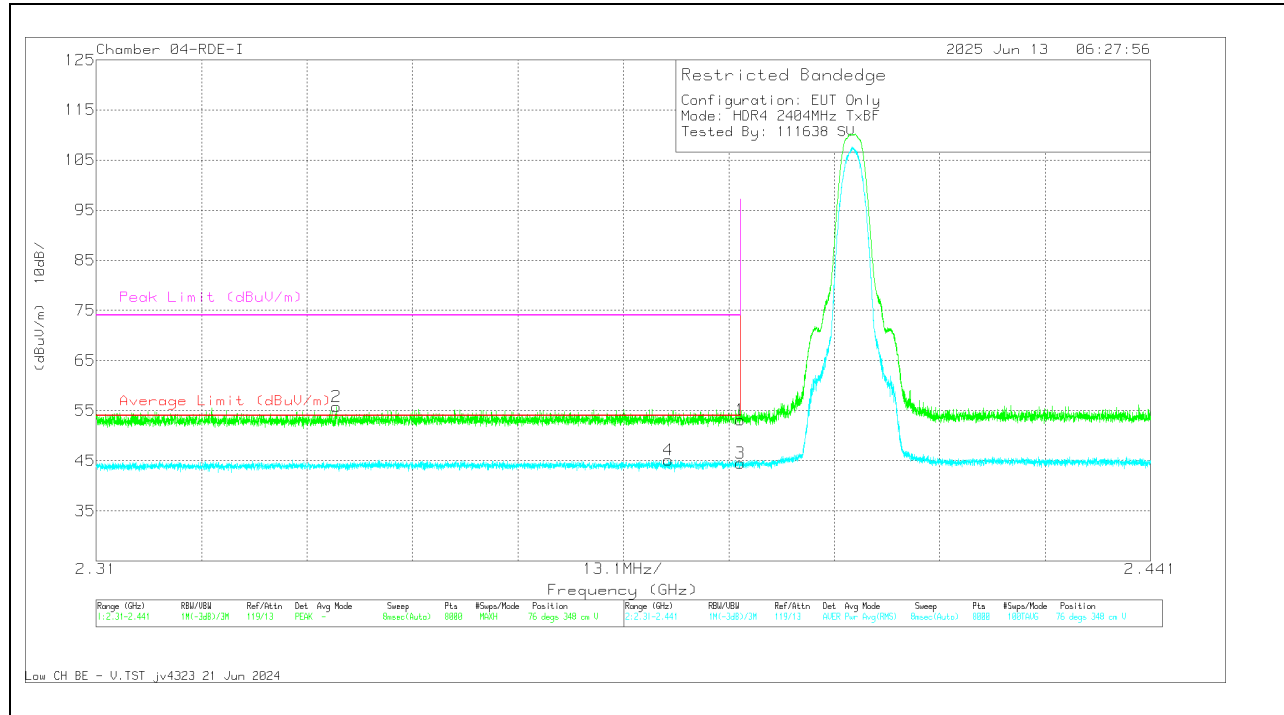
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.44	Pk	31.8	-19.9	0	53.34	-	-	74	-20.66	131	153	H
2	* 2.356429	43.83	Pk	31.7	-19.7	0	55.83	-	-	74	-18.17	131	153	H
3	* 2.39	31.61	RMS	31.8	-19.9	1.09	44.6	54	-9.4	-	-	131	153	H
4	* 2.343458	31.87	RMS	31.7	-19.6	1.09	45.06	54	-8.94	-	-	131	153	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

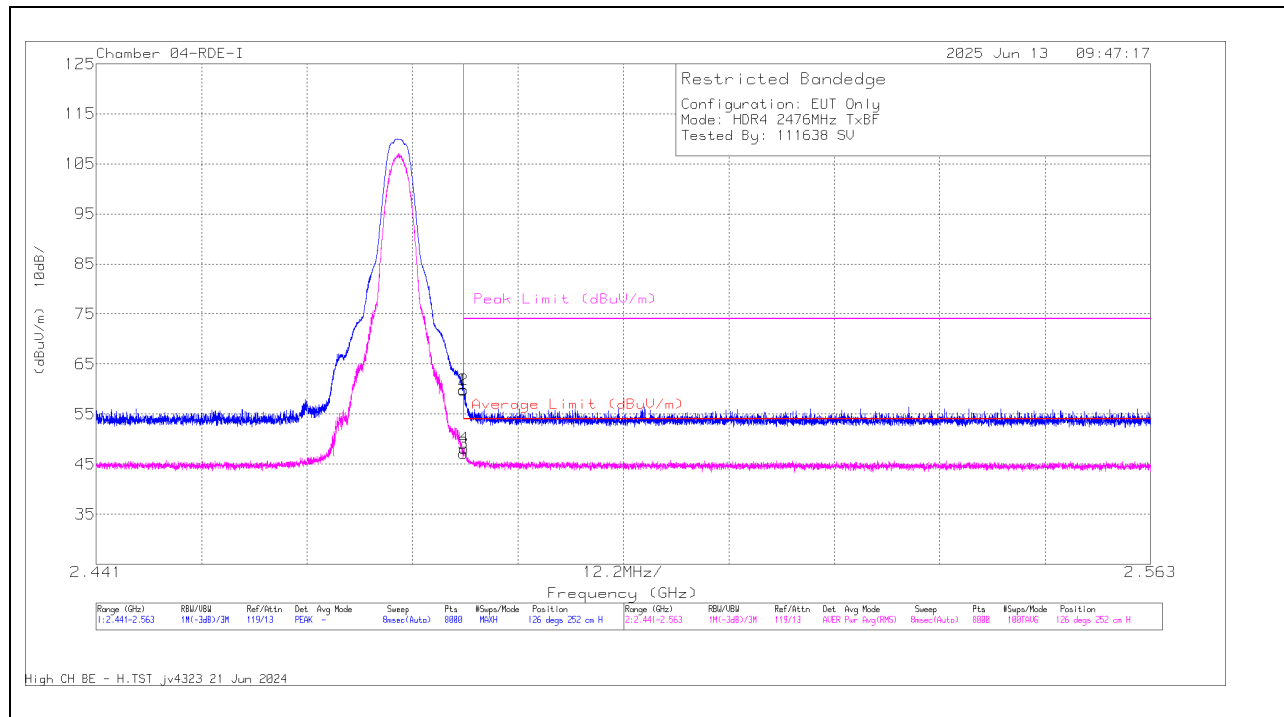


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.3	Pk	31.8	-19.9	0	53.2	-	-	74	-20.8	76	348	V
2	* 2.339888	43.87	Pk	31.6	-19.7	0	55.77	-	-	74	-18.23	76	348	V
3	* 2.39	31.58	RMS	31.8	-19.9	1.09	44.57	54	-9.43	-	-	76	348	V
4	* 2.381076	32.2	RMS	31.7	-19.8	1.09	45.19	54	-8.81	-	-	76	348	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

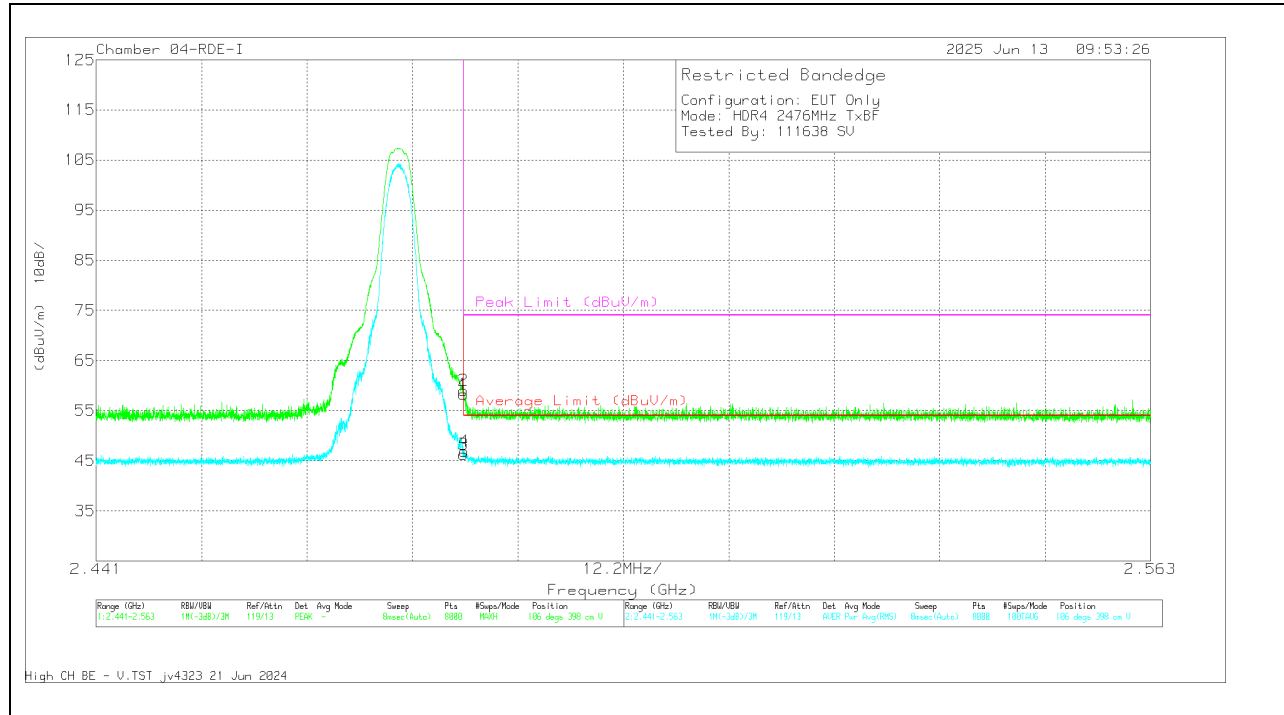
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.75	Pk	32.3	-20.3	0	59.75	-	-	74	-14.25	126	252	H
2	* 2.483507	47.86	Pk	32.3	-20.3	0	59.86	-	-	74	-14.14	126	252	H
3	* 2.4835	34.1	RMS	32.3	-20.3	1.09	47.19	54	-6.81	-	-	126	252	H
4	* 2.483568	35.04	RMS	32.3	-20.3	1.09	48.13	54	-5.87	-	-	126	252	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

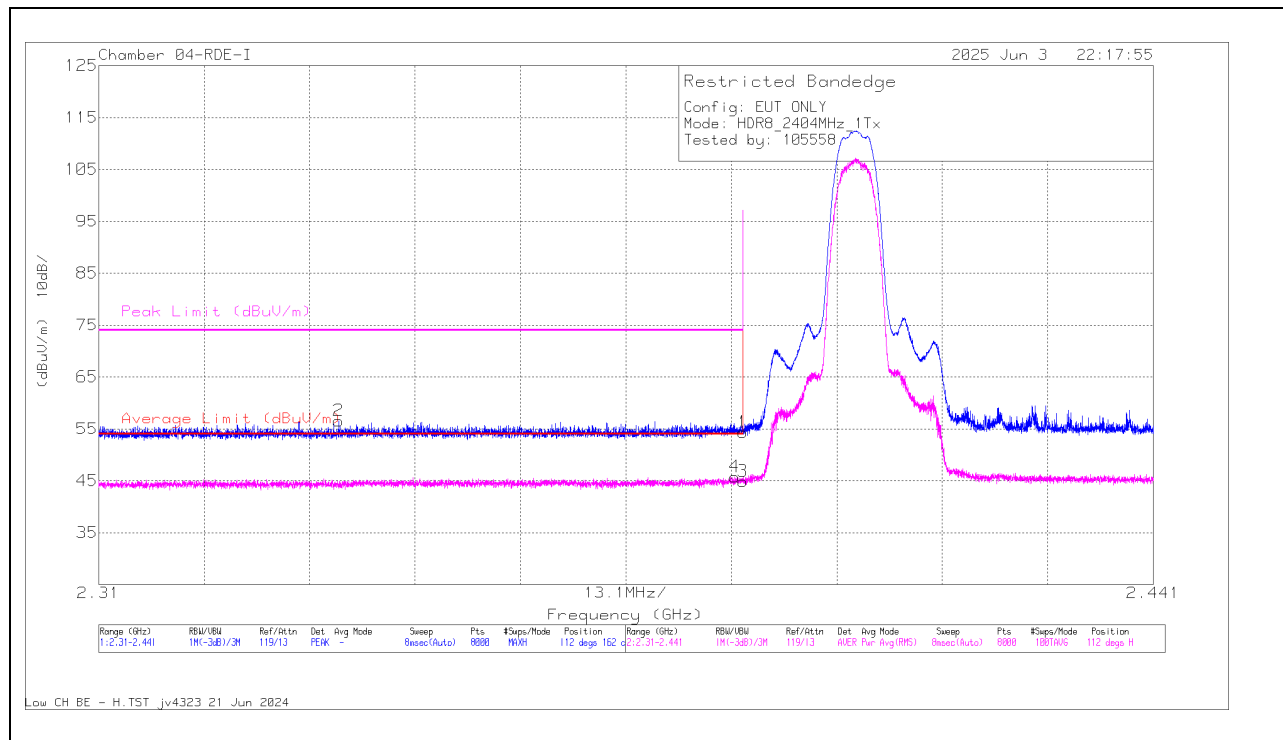


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	46.27	Pk	32.3	-20.3	0	58.27	-	-	74	-15.73	106	398	V
2	* 2.483538	47.09	Pk	32.3	-20.3	0	59.09	-	-	74	-14.91	106	398	V
3	* 2.4835	33.14	RMS	32.3	-20.3	1.09	46.23	54	-7.77	-	-	106	398	V
4	* 2.483614	33.82	RMS	32.3	-20.3	1.09	46.91	54	-7.09	-	-	106	398	V

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

Pk - Peak detector

RMS - RMS detection

10.2.3. HIGH POWER HDR (HDR8)**ANT 4****BANEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

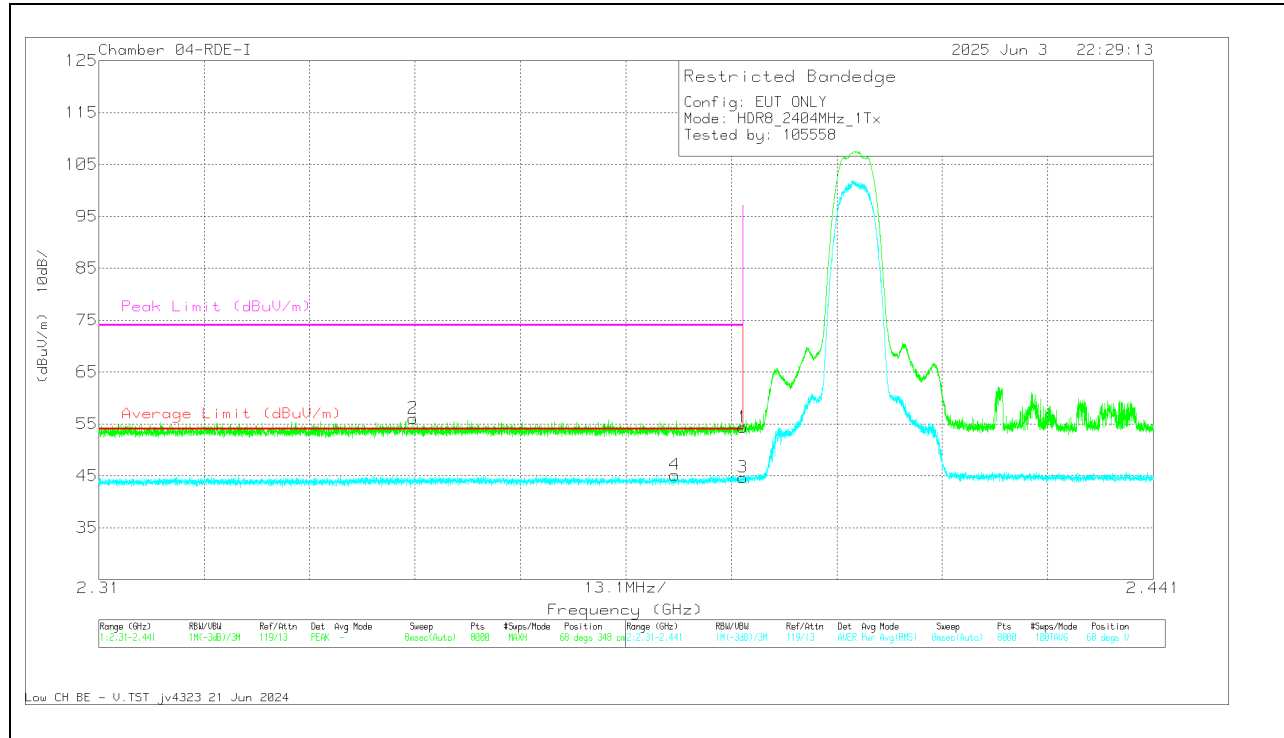
Marker	Frequency (GHz)	MeterReading(dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl /Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.44	Pk	31.8	-19.9	0	54.34	-	-	74	-19.66	112	162	H
2	* 2.339806	44.68	Pk	31.6	-19.7	0	56.58	-	-	74	-17.42	112	162	H
3	* 2.39	31.94	RMS	31.8	-19.9	1.08	44.92	54	-9.08	-	-	112	162	H
4	* 2.389019	32.71	RMS	31.8	-19.8	1.08	45.79	54	-8.21	-	-	112	162	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

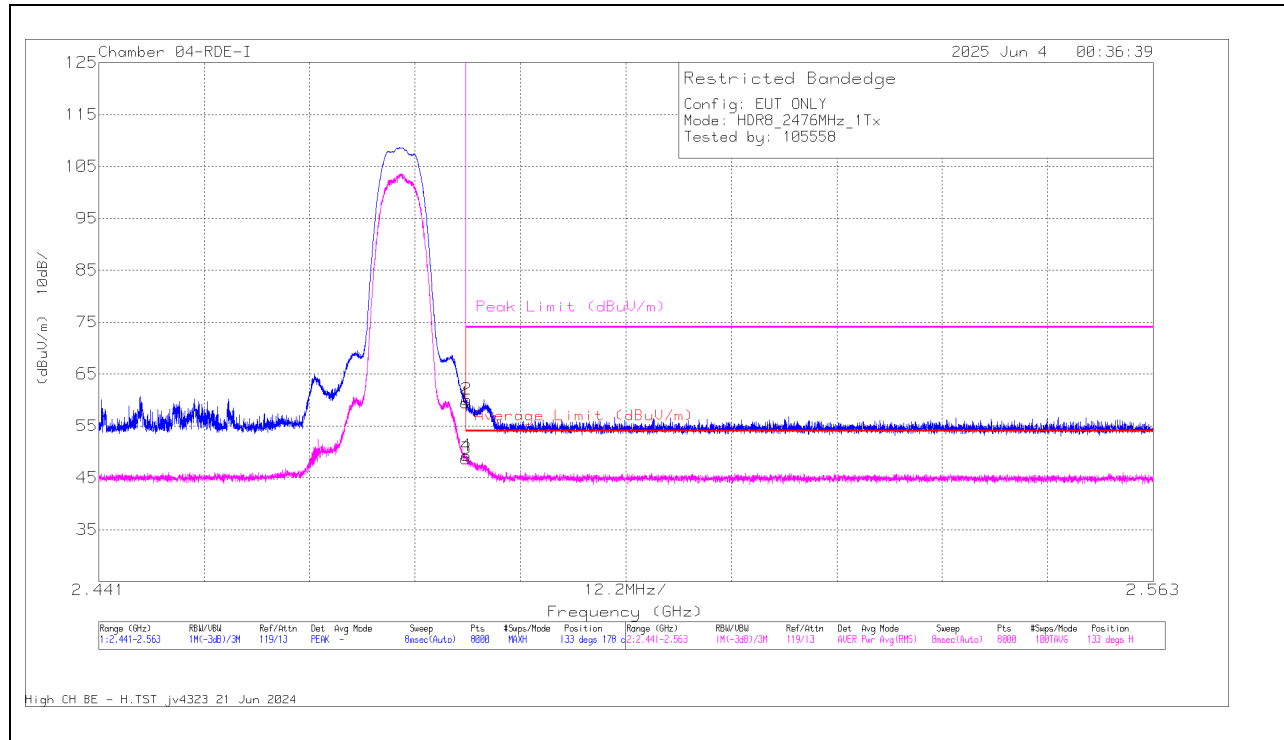


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.44	Pk	31.8	-19.9	0	54.34	-	-	74	-19.66	68	348	V
2	* 2.349043	44.06	Pk	31.7	-19.7	0	56.06	-	-	74	-17.94	68	348	V
3	* 2.39	31.73	RMS	31.8	-19.9	1.08	44.71	54	-9.29	-	-	68	348	V
4	* 2.381551	32.21	RMS	31.7	-19.8	1.08	45.19	54	-8.81	-	-	68	348	V

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

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

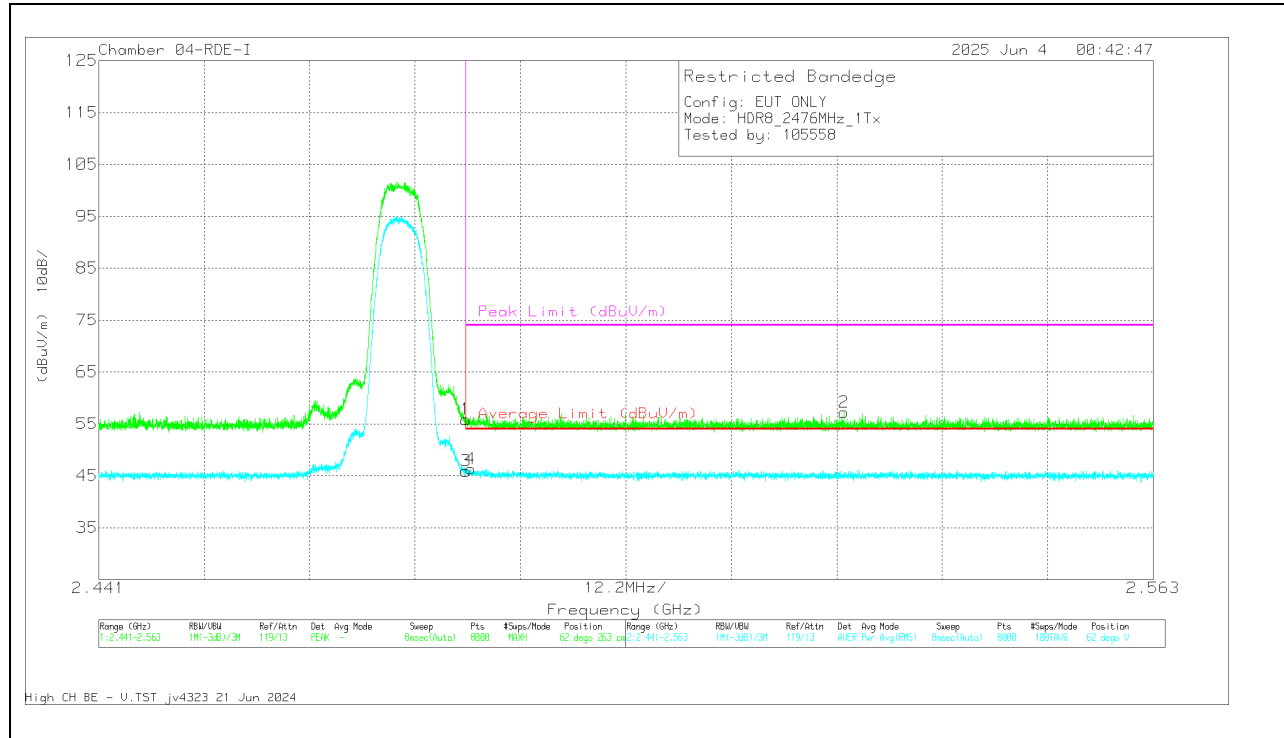
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.42	Pk	32.3	-20.3	0	59.42	-	-	74	-14.58	133	178	H
2	* 2.483584	48.09	Pk	32.3	-20.3	0	60.09	-	-	74	-13.91	133	178	H
3	* 2.4835	35.67	RMS	32.3	-20.3	1.08	48.75	54	-5.25	-	-	133	178	H
4	* 2.483538	36.18	RMS	32.3	-20.3	1.08	49.26	54	-4.74	-	-	133	178	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

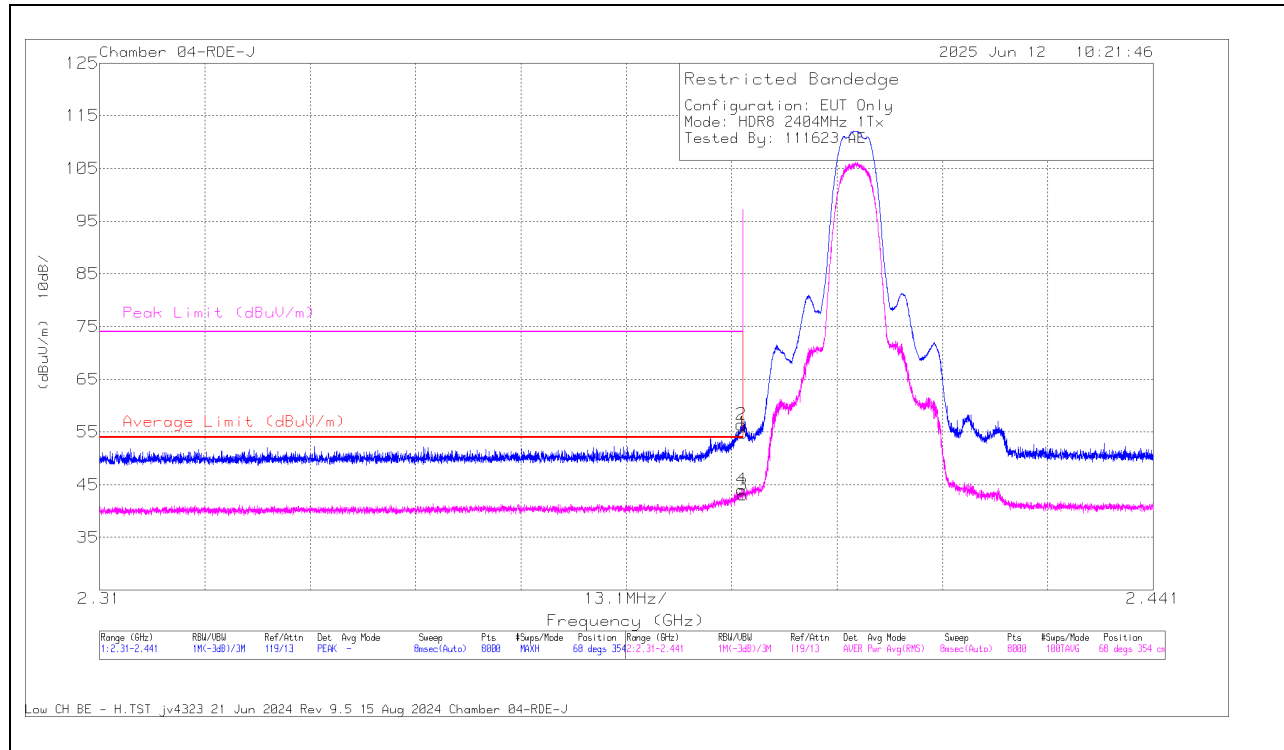


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	43.87	Pk	32.3	-20.3	0	55.87	-	-	74	-18.13	62	263	V
2	2.52722	45.24	Pk	32.4	-20.4	0	57.24	-	-	74	-16.76	62	263	V
3	* 2.4835	32.87	RMS	32.3	-20.3	1.08	45.95	54	-8.05	-	-	62	263	V
4	* 2.484072	33.26	RMS	32.3	-20.3	1.08	46.34	54	-7.66	-	-	62	263	V

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

Pk - Peak detector

RMS - RMS detection

ANT 3**BANEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

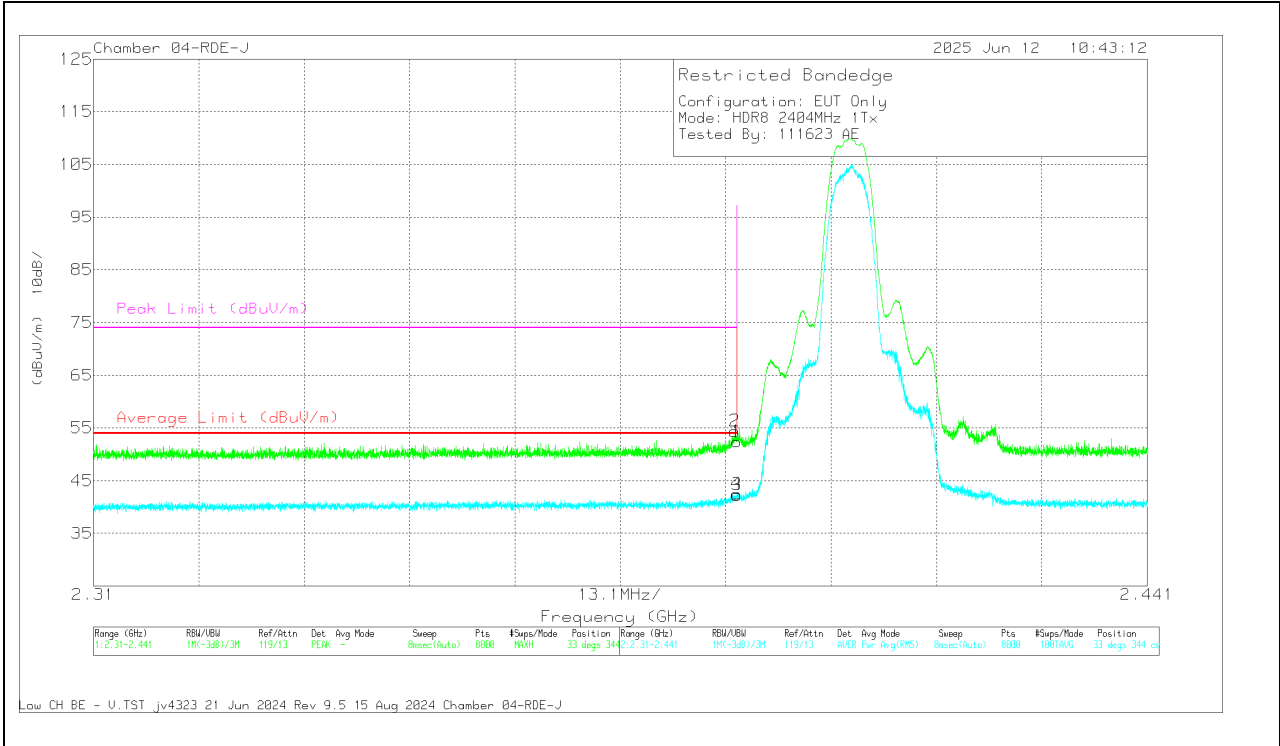
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.72	Pk	32.2	-37.1	0	54.82	-	-	74	-19.18	68	354	H
2	* 2.389805	61.3	Pk	32.2	-37.1	0	56.4	-	-	74	-17.6	68	354	H
3	* 2.39	46.95	RMS	32.2	-37.1	1.08	43.13	54	-10.87	-	-	68	354	H
4	* 2.389838	47.86	RMS	32.2	-37.1	1.08	44.04	54	-9.96	-	-	68	354	H

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

Pk - Peak detector

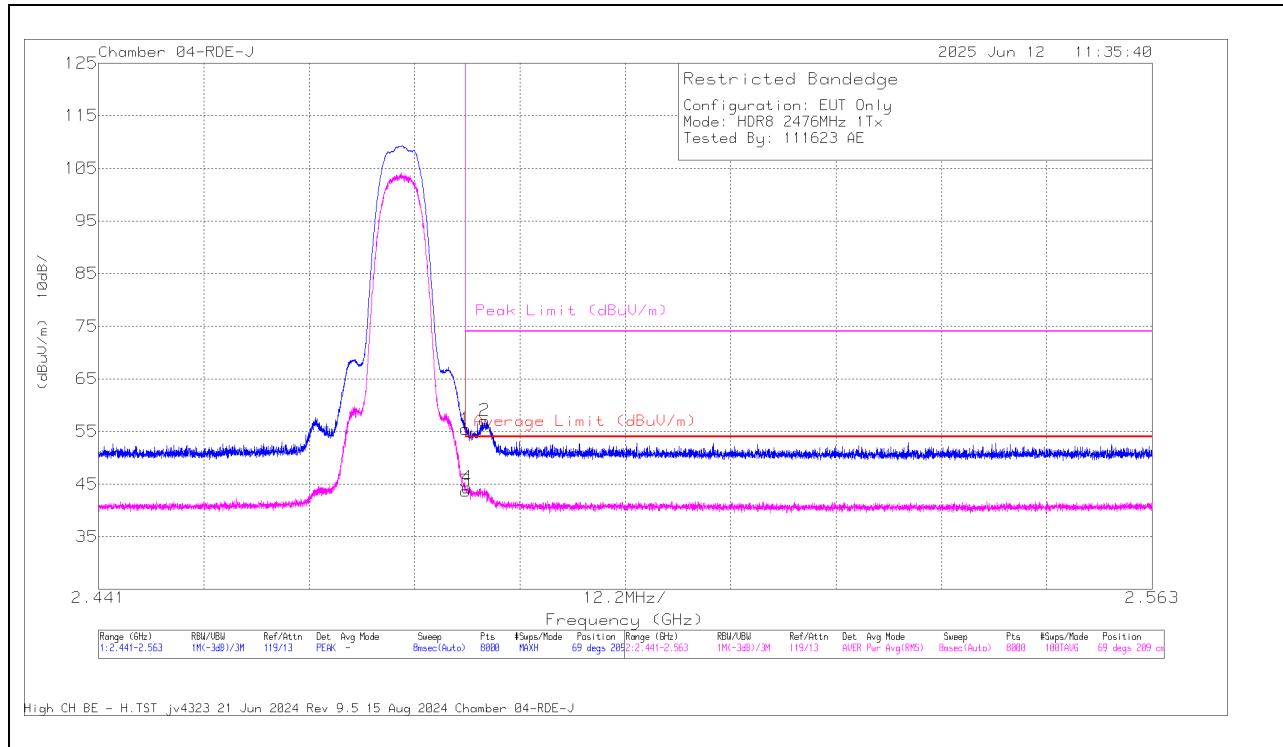
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 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	* 2.39	57.32	Pk	32.2	-37.1	0	52.42	-	-	74	-21.58	33	344	V
2	* 2.389723	59.29	Pk	32.2	-37.1	0	54.39	-	-	74	-19.61	33	344	V
3	* 2.39	46.15	RMS	32.2	-37.1	1.08	42.33	54	-11.67	-	-	33	344	V
4	* 2.389953	46.32	RMS	32.2	-37.1	1.08	42.50	54	-11.50	-	-	33	344	V

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

BANEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

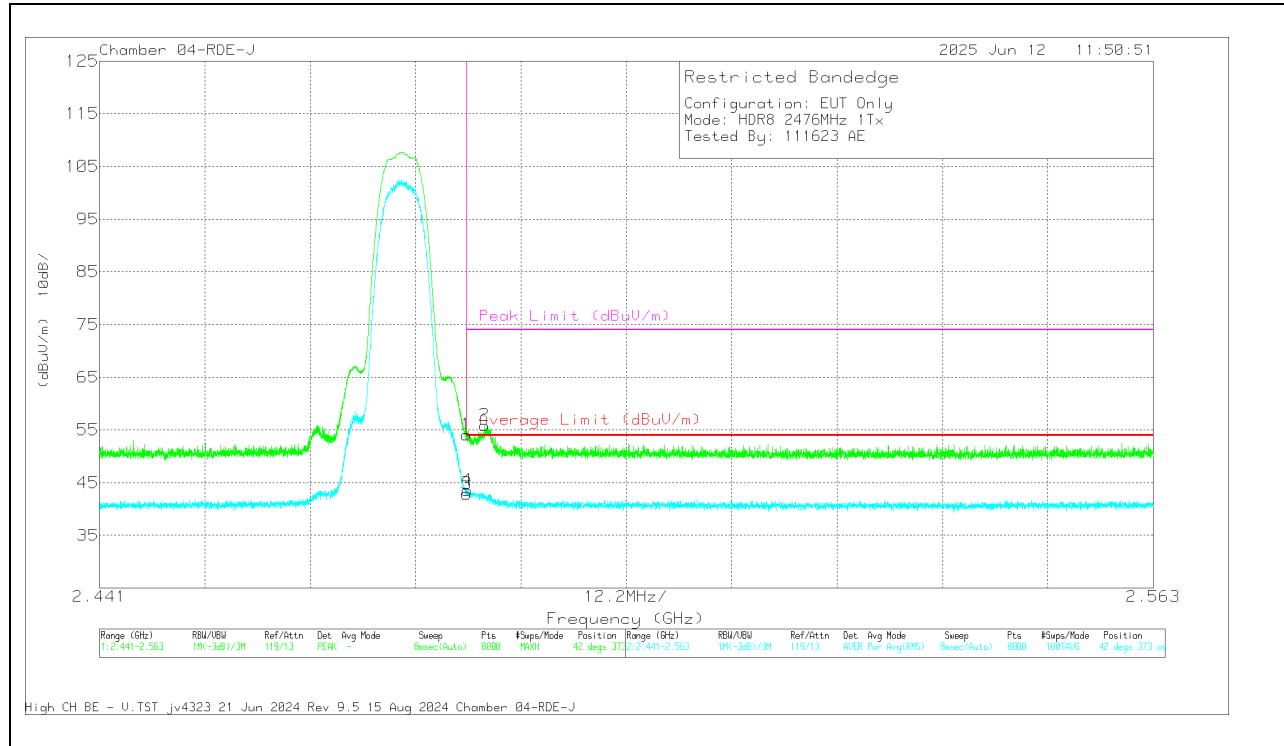
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.95	Pk	32.4	-36.9	0	55.45	-	-	74	-18.55	69	209	H
2	* 2.485704	61.46	Pk	32.5	-36.9	0	57.06	-	-	74	-16.94	69	209	H
3	* 2.4835	47.11	RMS	32.4	-36.9	1.08	43.69	54	-10.31	-	-	69	209	H
4	* 2.483706	47.79	RMS	32.4	-36.9	1.08	44.37	54	-9.63	-	-	69	209	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

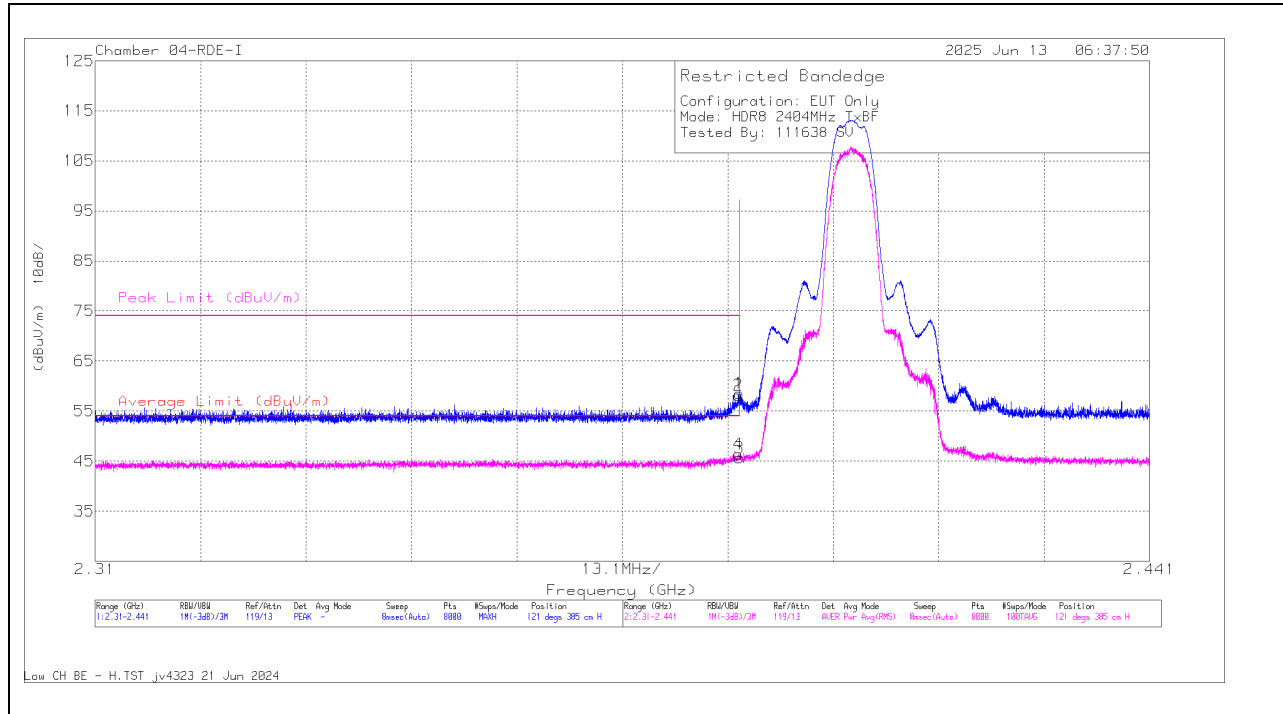


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.61	Pk	32.4	-36.9	0	54.11	-	-	74	-19.89	42	373	V
2	* 2.485597	60.27	Pk	32.5	-36.9	0	55.87	-	-	74	-18.13	42	373	V
3	* 2.4835	46.35	RMS	32.4	-36.9	1.08	42.93	54	-11.07	-	-	42	373	V
4	* 2.483568	46.99	RMS	32.4	-36.9	1.08	43.57	54	-10.43	-	-	42	373	V

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

Pk - Peak detector

RMS - RMS detection

10.2.4. HIGH POWER HDR TXBF (HDR8)**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	* 2.39	46.65	Pk	31.8	-19.9	0	58.55	-	-	74	-15.45	121	385	H
2	* 2.38992	46.21	Pk	31.8	-19.8	0	58.21	-	-	74	-15.79	121	385	H
3	* 2.39	32.71	RMS	31.8	-19.9	1.08	45.69	54	-8.31	-	-	121	385	H
4	* 2.38992	33.28	RMS	31.8	-19.8	1.08	46.36	54	-7.64	-	-	121	385	H

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

Pk - Peak detector

RMS - RMS detection

Chamber 04-RDE-I 2025 Jun 13 06:44:27

Restricted Bandedge
Configuration: EUT Only
Mode: HDR8 2404MHz Tx6F
Tested By: 111638

Peak Limit (dBuU/m)
Average Limit (dBuU/m)

0.4

13.1MHz/

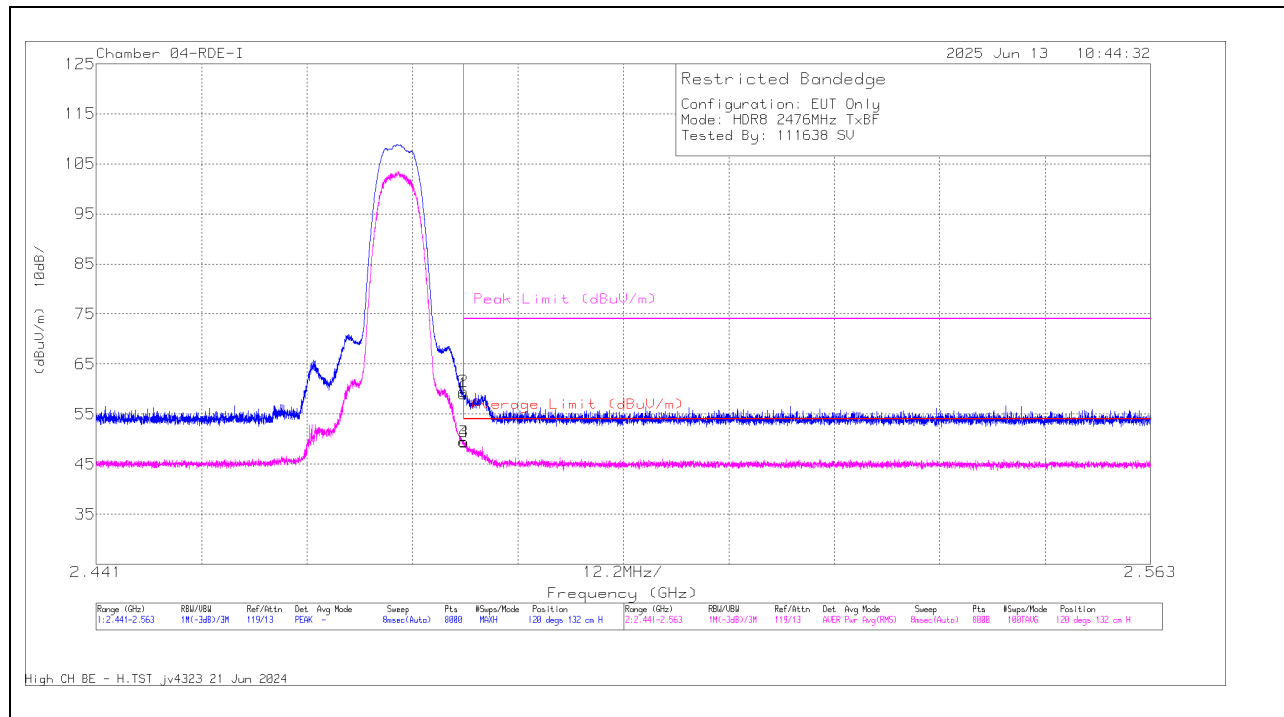
Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Attn	Det. Avg Mode	Sweep	Pls	#Swept/Mode	Position	Range (GHz)	RBW/VBW	Ref/Attn	Det. Avg Mode	Sweep	Pls	#Swept/Mode	Position
1.231-2.441	1M(-3dB)/2M	119/13	PKR -	Basec(Auto)	8000	1600	94 degs 307 on U	1.231-2.441	1M(-3dB)/2M	119/13	Max Per Avg(PK)	Basec(Auto)	8000	1600/160	94 degs 307 on U

Low CH BE - V.TST_jv4323 21 Jun 2024

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	* 2.39	41.44	Pk	31.8	-19.9	0	53.34	-	-	74	-20.66	94	387	V
2	* 2.368679	44.41	Pk	31.7	-19.7	0	56.41	-	-	74	-17.59	94	387	V
3	* 2.39	31.8	RMS	31.8	-19.9	1.08	44.78	54	-9.22	-	-	94	387	V
4	* 2.389789	32.38	RMS	31.8	-19.8	1.08	45.46	54	-8.54	-	-	94	387	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

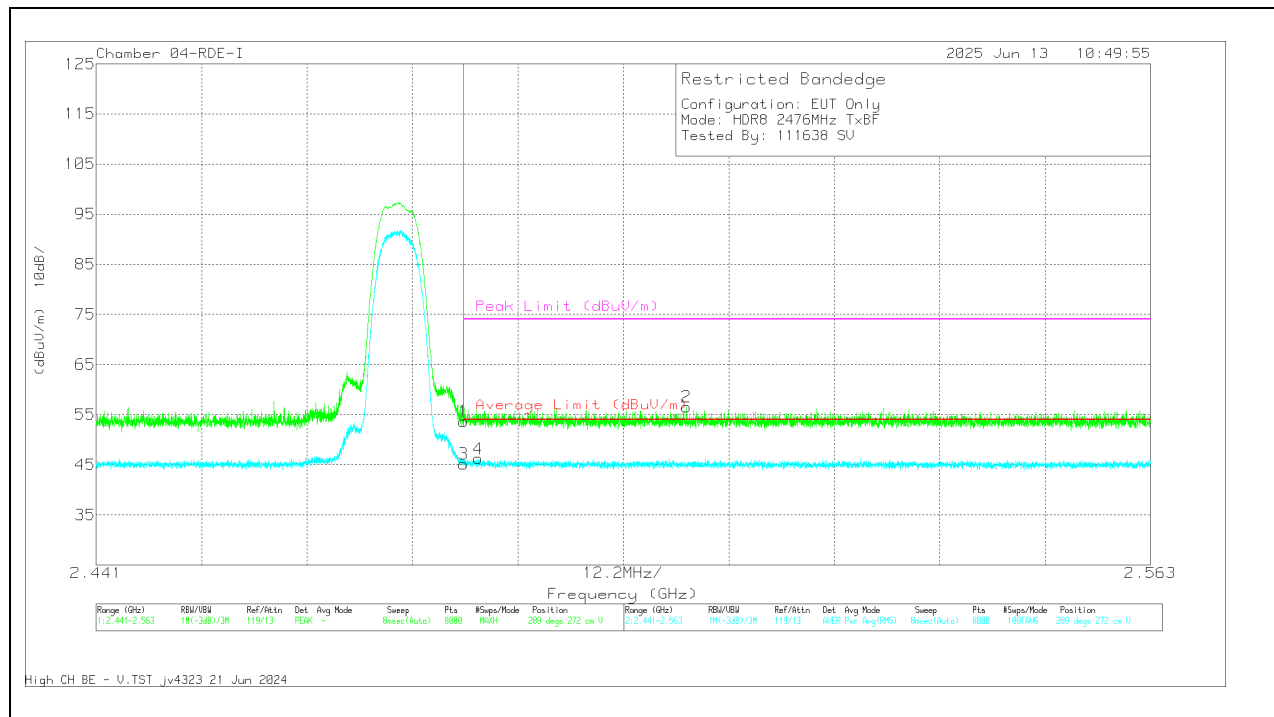
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.06	Pk	32.3	-20.3	0	59.06	-	-	74	-14.94	120	132	H
2	* 2.483523	47.53	Pk	32.3	-20.3	0	59.53	-	-	74	-14.47	120	132	H
3	* 2.4835	36.4	RMS	32.3	-20.3	1.08	49.48	54	-4.52	-	-	120	132	H
4	* 2.483553	36.37	RMS	32.3	-20.3	1.08	49.45	54	-4.55	-	-	120	132	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

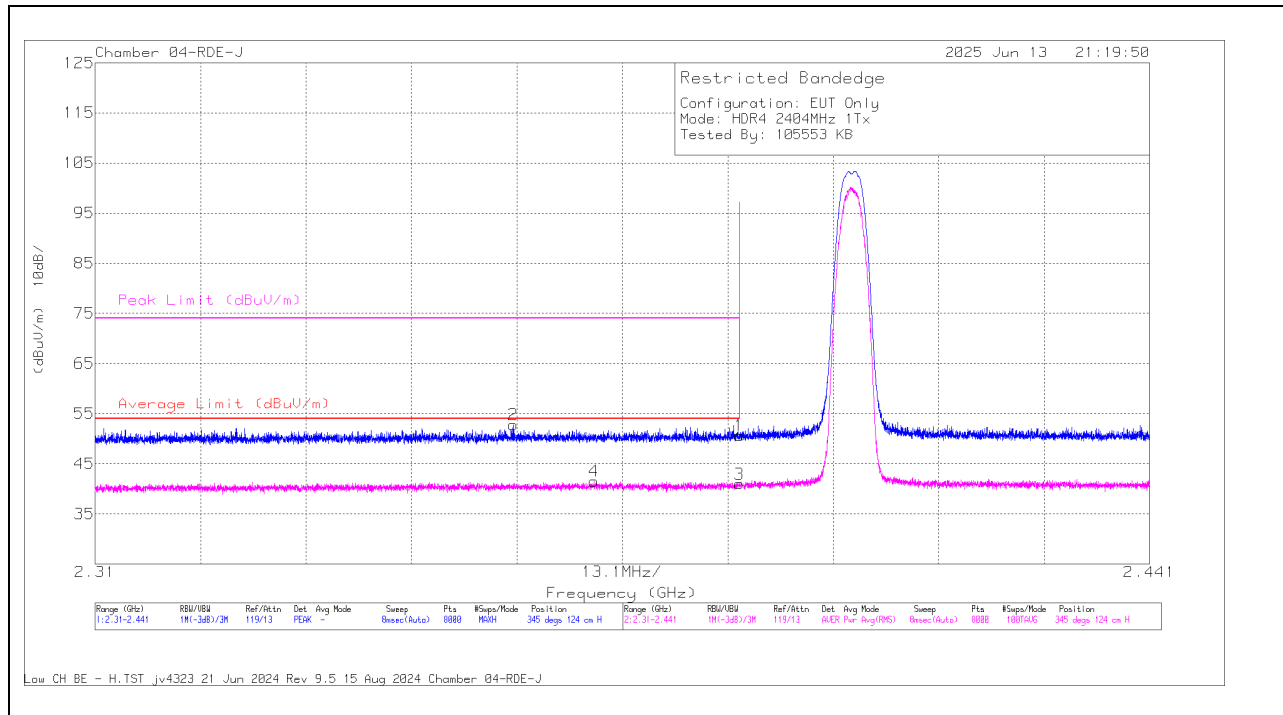


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	41.7	Pk	32.3	-20.3	0	53.7	-	-	74	-20.3	289	272	V
2	2.509314	44.52	Pk	32.4	-20.4	0	56.52	-	-	74	-17.48	289	272	V
3	* 2.4835	32.03	RMS	32.3	-20.3	1.08	45.11	54	-8.89	-	-	289	272	V
4	* 2.485216	33.04	RMS	32.3	-20.2	1.08	46.22	54	-7.78	-	-	289	272	V

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

Pk - Peak detector

RMS - RMS detection

10.2.5. LOW POWER HDR (HDR4)**ANT 4****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

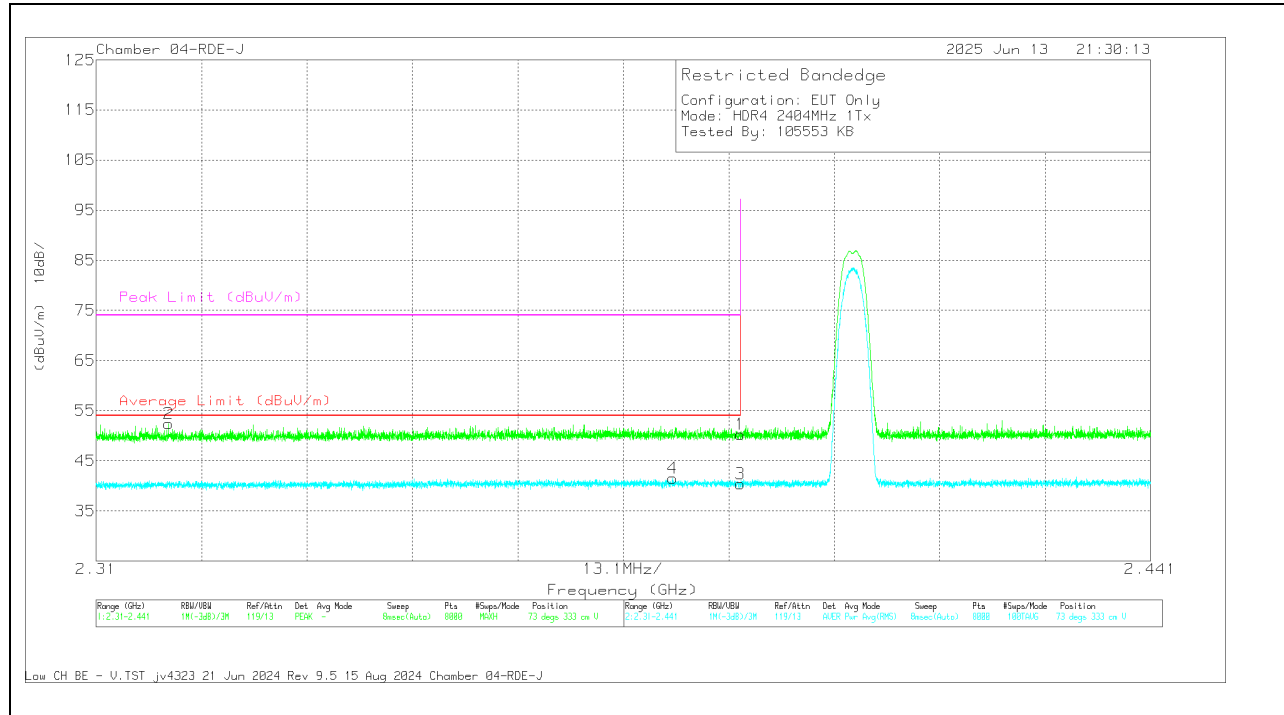
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.56	Pk	32.2	-37.1	0	50.66	-	-	74	-23.34	345	124	H
2	* 2.361964	57.76	Pk	32.1	-37.1	0	52.76	-	-	74	-21.24	345	124	H
3	* 2.39	44.76	RMS	32.2	-37.1	1.09	40.95	54	-13.05	-	-	345	124	H
4	* 2.37202	45.2	RMS	32.2	-37	1.09	41.49	54	-12.51	-	-	345	124	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

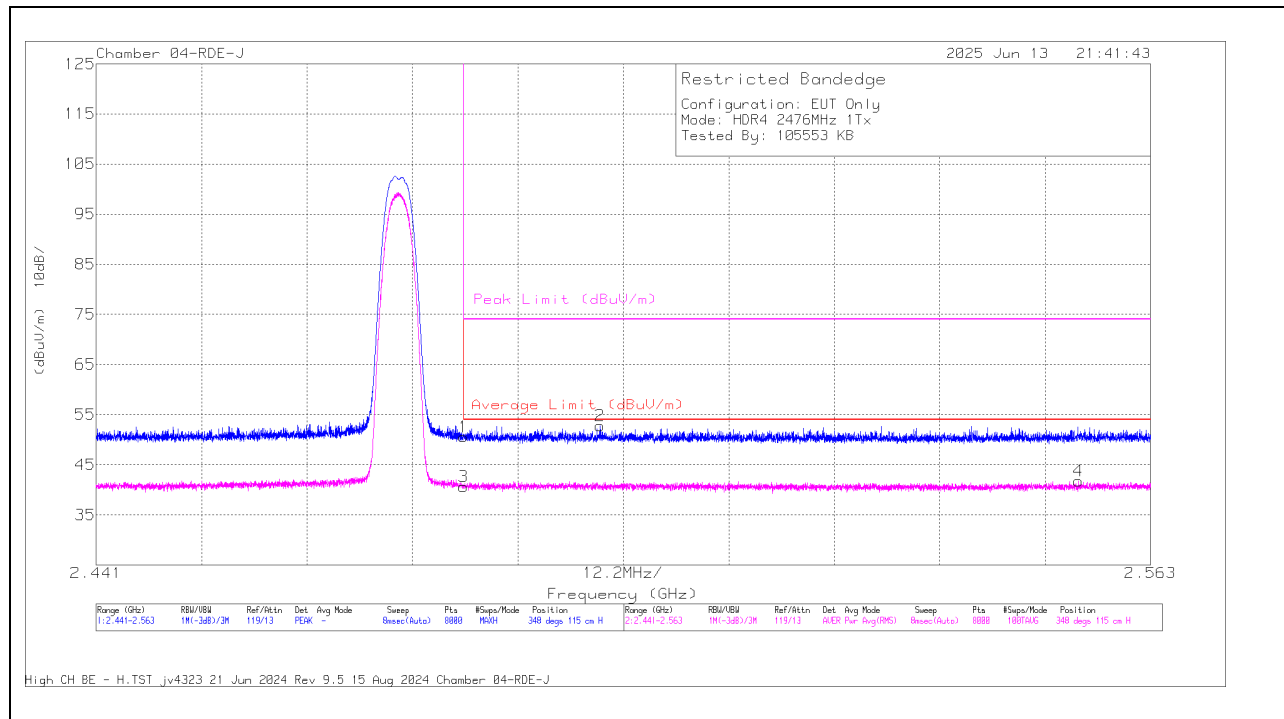


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.14	Pk	32.2	-37.1	0	50.24	-	-	74	-23.76	73	333	V
2	* 2.319007	57.61	Pk	31.9	-37.1	0	52.41	-	-	74	-21.59	73	333	V
3	* 2.39	44.22	RMS	32.2	-37.1	1.09	40.41	54	-13.59	-	-	73	333	V
4	* 2.381649	45.3	RMS	32.2	-37.1	1.09	41.49	54	-12.51	-	-	73	333	V

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

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

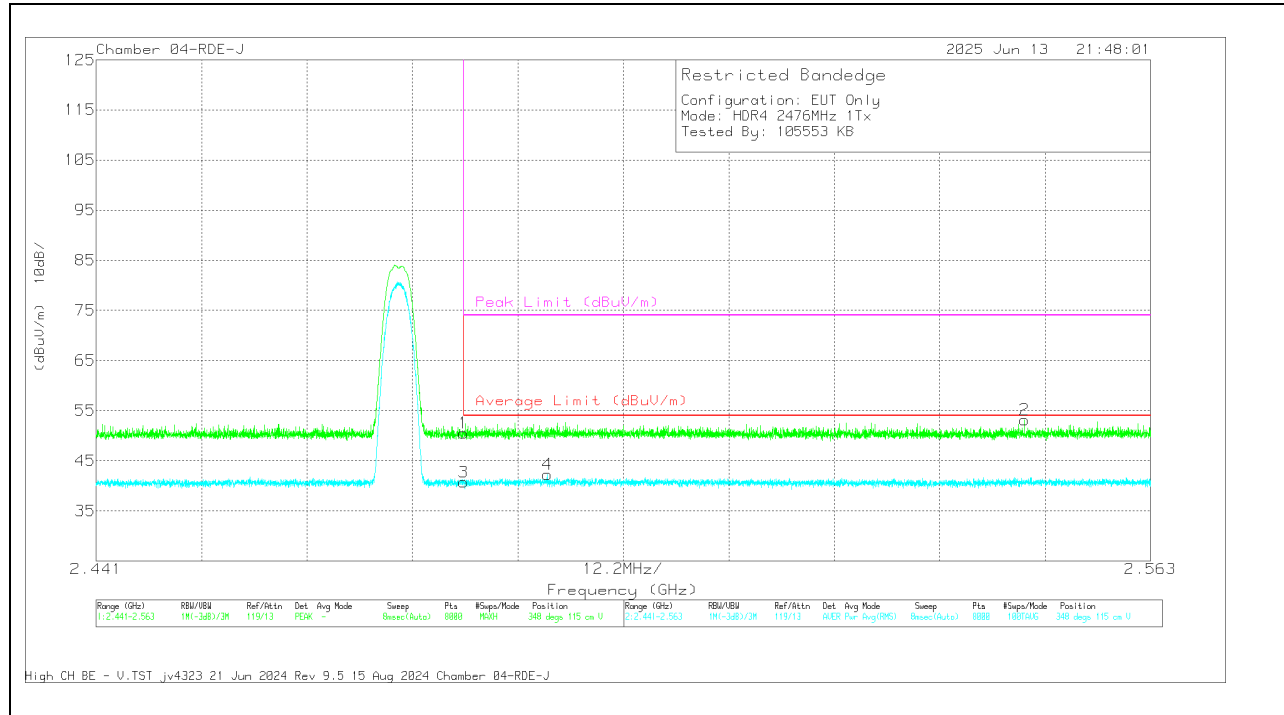
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.08	Pk	32.4	-36.9	0	50.58	-	-	74	-23.42	348	115	H
2	* 2.499339	57.15	Pk	32.5	-36.9	0	52.75	-	-	74	-21.25	348	115	H
3	* 2.4835	44.05	RMS	32.4	-36.9	1.09	40.64	54	-13.36	-	-	348	115	H
4	2.554673	44.91	RMS	32.6	-36.8	1.09	41.8	54	-12.2	-	-	348	115	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

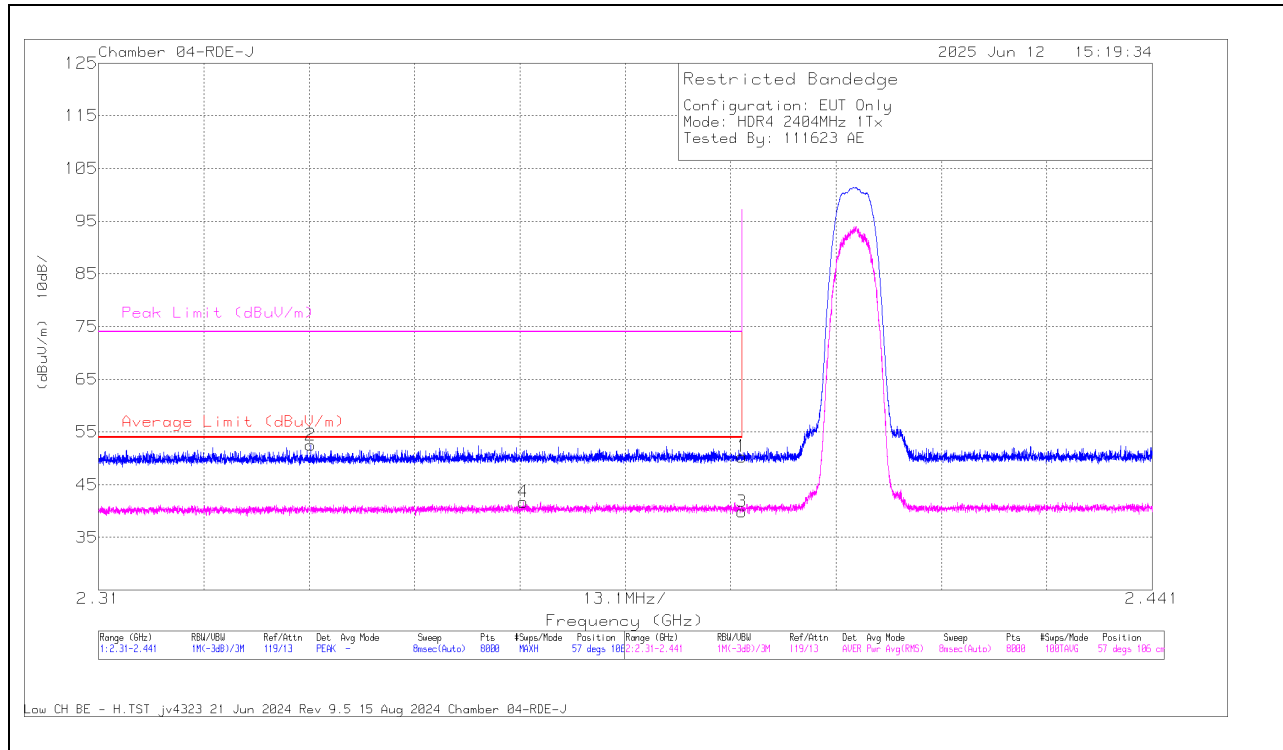


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.04	Pk	32.4	-36.9	0	50.54	-	-	74	-23.46	348	115	V
2	2.548435	57.45	Pk	32.6	-36.9	0	53.15	-	-	74	-20.85	348	115	V
3	* 2.4835	44.12	RMS	32.4	-36.9	1.09	40.71	54	-13.29	-	-	348	115	V
4	* 2.493253	45.54	RMS	32.5	-36.9	1.09	42.23	54	-11.77	-	-	348	115	V

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

Pk - Peak detector

RMS - RMS detection

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

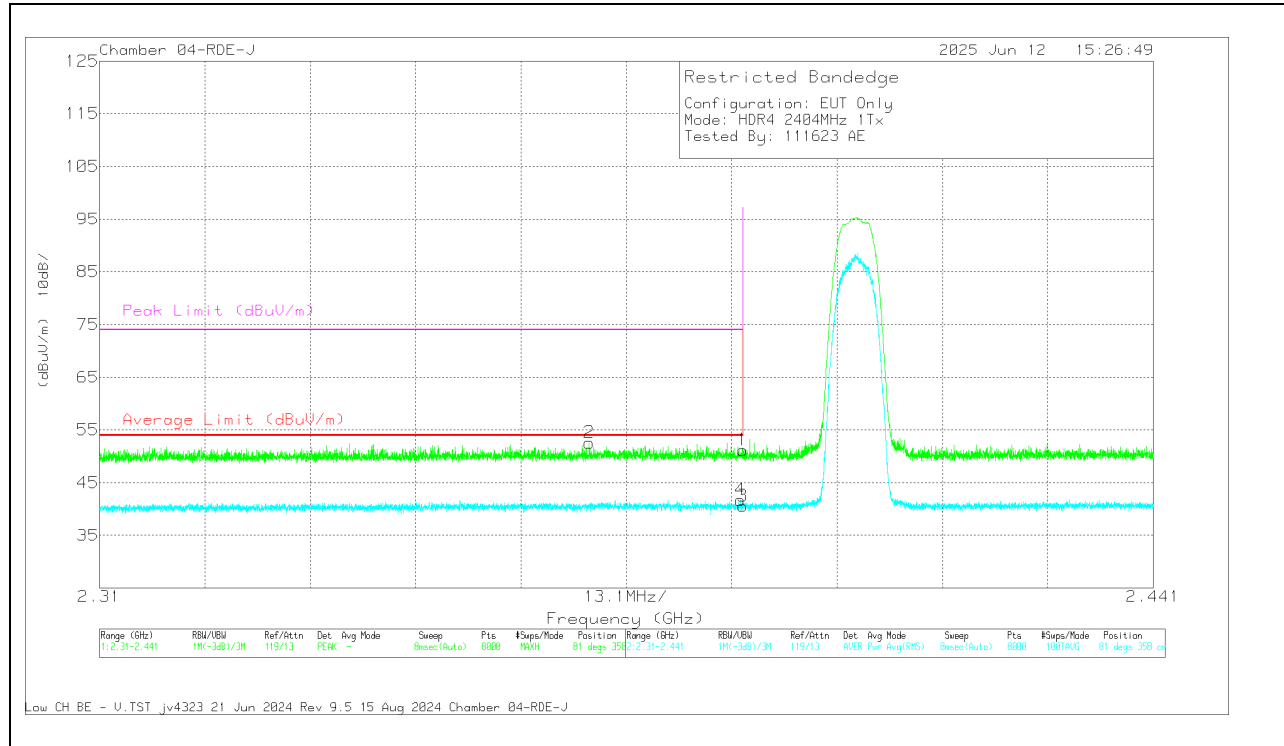
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.22	Pk	32.2	-37.1	0	50.32	-	-	74	-23.68	57	106	H
2	* 2.336367	57.63	Pk	32	-37.1	0	52.53	-	-	74	-21.47	57	106	H
3	* 2.39	43.7	RMS	32.2	-37.1	1.09	39.89	54	-14.11	-	-	57	106	H
4	* 2.362783	45.62	RMS	32.1	-37.1	1.09	41.71	54	-12.29	-	-	57	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

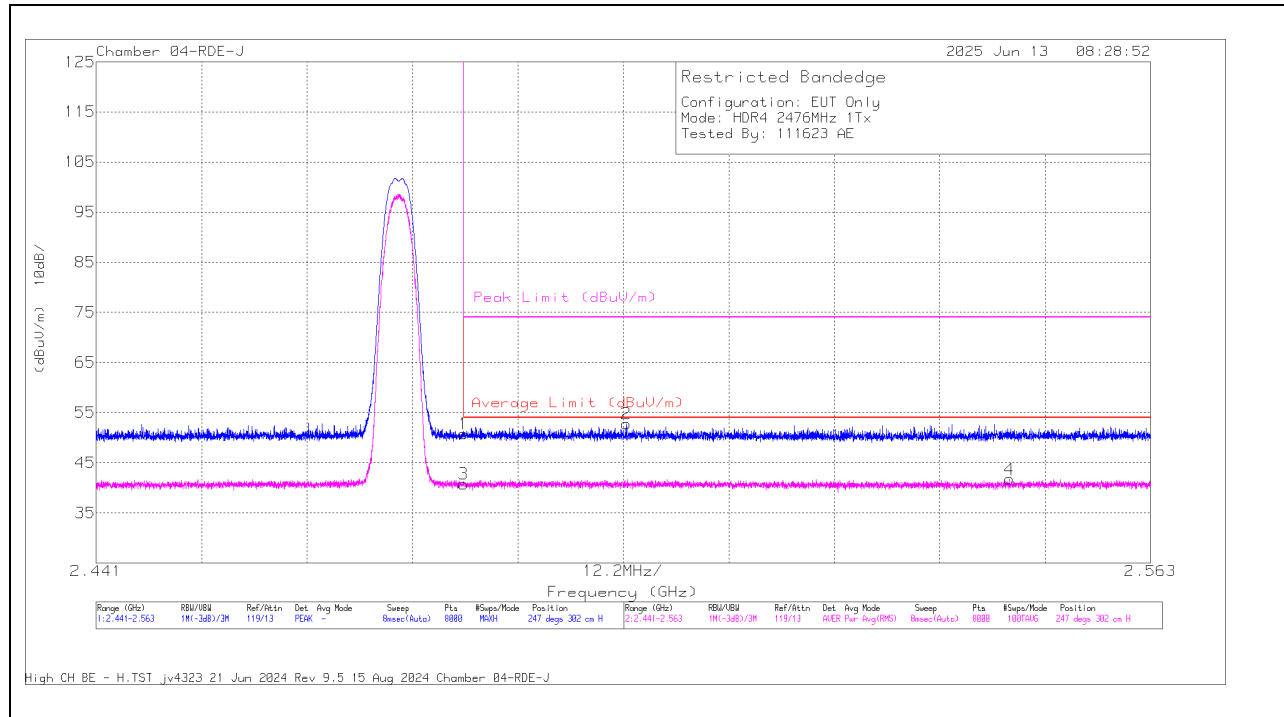


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.07	Pk	32.2	-37.1	0	51.17	-	-	74	-22.83	81	358	V
2	* 2.370873	57.57	Pk	32.1	-37.1	0	52.57	-	-	74	-21.43	81	358	V
3	* 2.39	44.37	RMS	32.2	-37.1	1.09	40.56	54	-13.44	-	-	81	358	V
4	* 2.38969	45.53	RMS	32.2	-37.1	1.09	41.72	54	-12.28	-	-	81	358	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

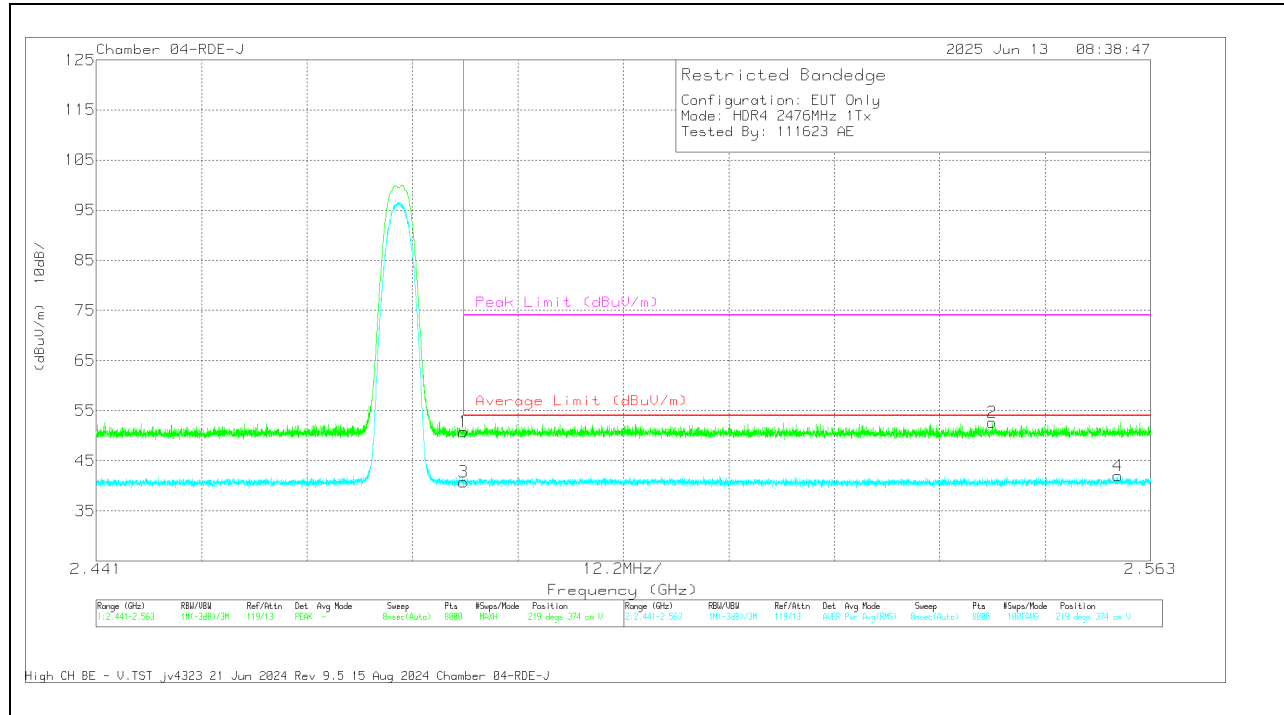
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.24	Pk	32.4	-36.9	0	50.74	-	-	74	-23.26	247	302	H
2	2.502374	57.14	Pk	32.5	-36.9	0	52.74	-	-	74	-21.26	247	302	H
3	* 2.4835	44.14	RMS	32.4	-36.9	1.09	40.73	54	-13.27	-	-	247	302	H
4	2.546712	44.91	RMS	32.6	-36.9	1.09	41.7	54	-12.3	-	-	247	302	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

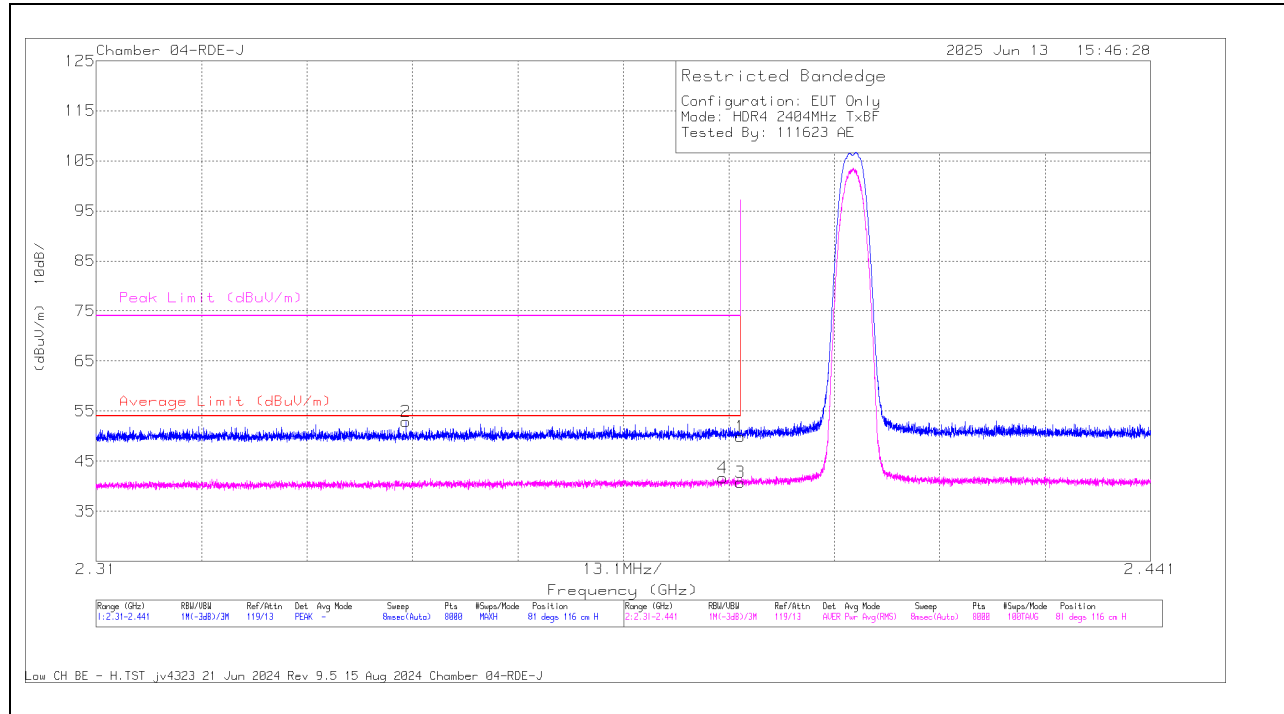


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.27	Pk	32.4	-36.9	0	50.77	-	-	74	-23.23	219	374	V
2	2.544698	56.98	Pk	32.6	-36.9	0	52.68	-	-	74	-21.32	219	374	V
3	* 2.4835	44.17	RMS	32.4	-36.9	1.09	40.76	54	-13.24	-	-	219	374	V
4	2.559203	45.12	RMS	32.6	-36.8	1.09	42.01	54	-11.99	-	-	219	374	V

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

Pk - Peak detector

RMS - RMS detection

10.2.6. LOW POWER HDR TXBF (HDR4)**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 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	* 2.39	54.82	Pk	32.2	-37.1	0	49.92	-	-	74	-24.08	81	116	H
2	* 2.34847	57.97	Pk	32	-37.1	0	52.87	-	-	74	-21.13	81	116	H
3	* 2.39	44.54	RMS	32.2	-37.1	1.09	40.73	54	-13.27	-	-	81	116	H
4	* 2.38784	45.49	RMS	32.2	-37.1	1.09	41.68	54	-12.32	-	-	81	116	H

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

Pk - Peak detector

RMS - RMS detection

Chamber 04-RDE-J 2025 Jun 13 15:55:03

Restricted Bandedge
Configuration: EUT Only
Mode: HDR4 2404MHz Tx8F
Tested By: 111623 AE

Peak Limit (dBuU/m)
Average Limit (dBuU/m)

13.1MHz/

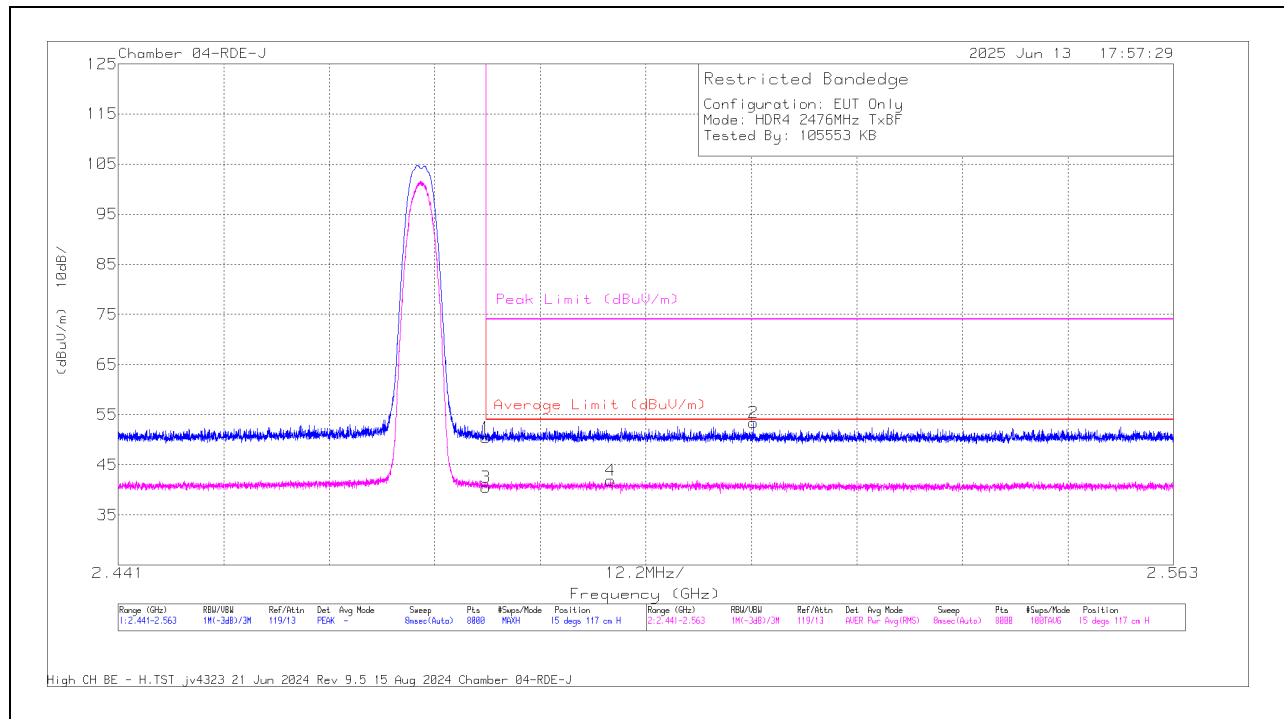
Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Attn	Det. Avg Mode	Sweep	Pls	#Swept/Mode	Position	Range (GHz)	RBW/VBW	Ref/Attn	Det. Avg Mode	Sweep	Pls	#Swept/Mode	Position
1.231-2.441	1M(-3dB)/3M	119/13	PKR -	Basec(Auto)	8000	16001	252 degs 400 on U	1.231-2.441	1M(-3dB)/3M	119/13	AE5 Far Avg(PKS)	Basec(Auto)	8000	160160	252 degs 400 on U

Low CH BE - V.TST_jv4323 21 Jun 2024 Rev 9.5 15 Aug 2024 Chamber 04-RDE-J

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 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	* 2.39	55.44	Pk	32.2	-37.1	0	50.54	-	-	74	-23.46	292	400	V
2	* 2.341346	57.83	Pk	32	-37.1	0	52.73	-	-	74	-21.27	292	400	V
3	* 2.39	44.07	RMS	32.2	-37.1	1.09	40.26	54	-13.74	-	-	292	400	V
4	* 2.361637	45.86	RMS	32.1	-37.1	1.09	41.95	54	-12.05	-	-	292	400	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

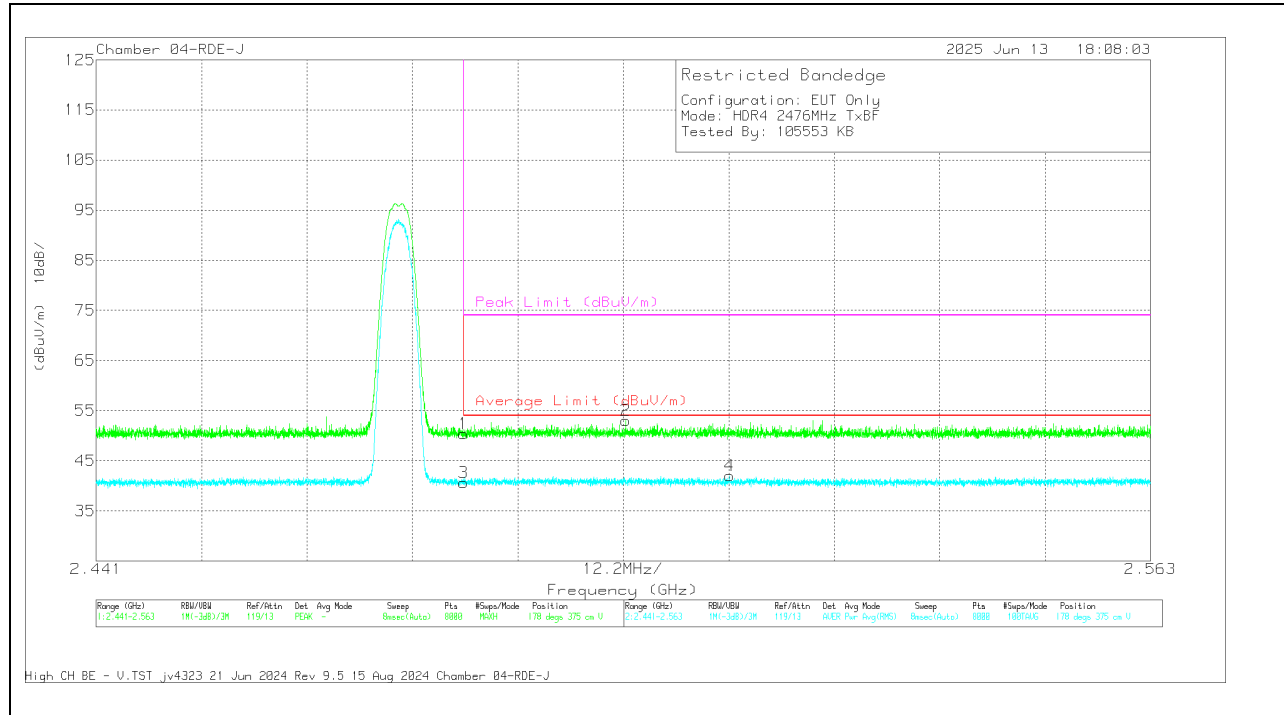
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	54.86	Pk	32.4	-36.9	0	50.36	-	-	74	-23.64	15	117	H
2	2.514454	57.81	Pk	32.5	-36.9	0	53.41	-	-	74	-20.59	15	117	H
3	* 2.4835	43.93	RMS	32.4	-36.9	1.09	40.52	54	-13.48	-	-	15	117	H
4	* 2.497905	45.22	RMS	32.5	-36.9	1.09	41.91	54	-12.09	-	-	15	117	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

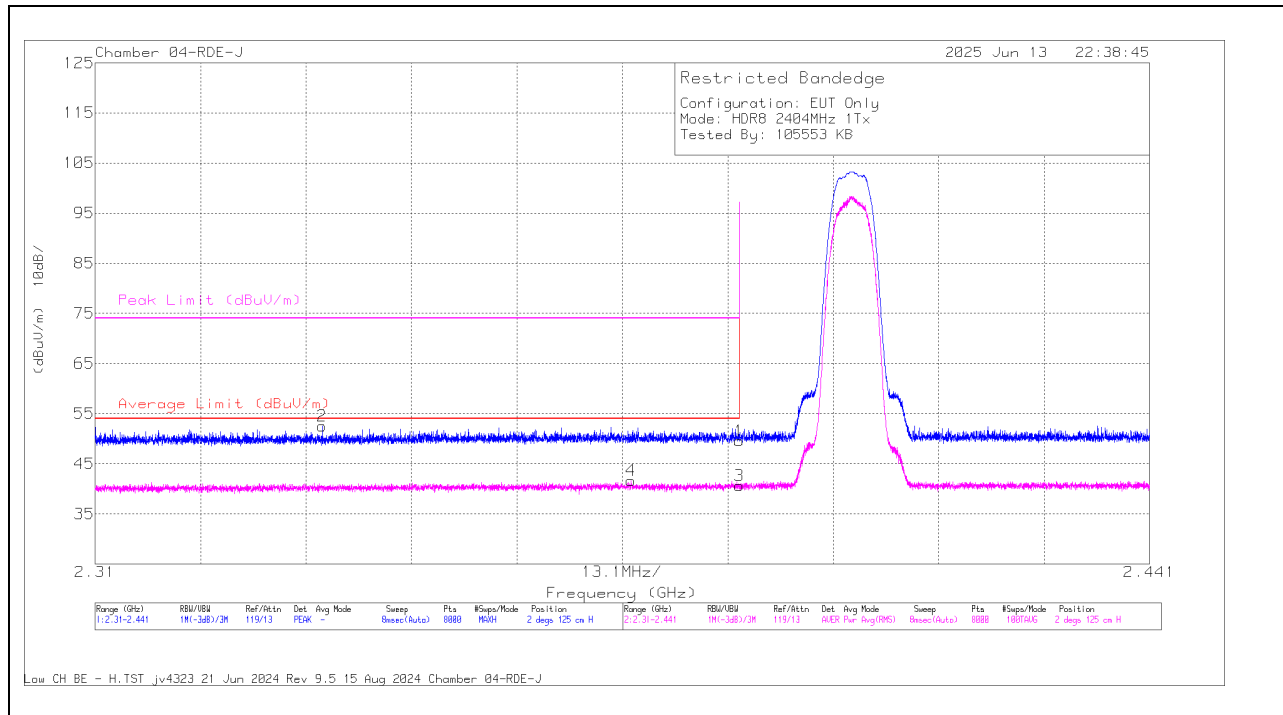


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	54.94	Pk	32.4	-36.9	0	50.44	-	-	74	-23.56	178	375	V
2	2.502298	57.41	Pk	32.5	-36.9	0	53.01	-	-	74	-20.99	178	375	V
3	* 2.4835	44.07	RMS	32.4	-36.9	1.09	40.66	54	-13.34	-	-	178	375	V
4	2.514286	45.28	RMS	32.5	-36.9	1.09	41.97	54	-12.03	-	-	178	375	V

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

Pk - Peak detector

RMS - RMS detection

10.2.7. LOW POWER HDR (HDR8)**ANT 4****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 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	* 2.39	54.48	Pk	32.2	-37.1	0	49.58	-	-	74	-24.42	2	125	H
2	* 2.338185	57.63	Pk	32	-37.1	0	52.53	-	-	74	-21.47	2	125	H
3	* 2.39	44.43	RMS	32.2	-37.1	1.08	40.61	54	-13.39	-	-	2	125	H
4	* 2.376556	45.39	RMS	32.2	-37	1.08	41.67	54	-12.33	-	-	2	125	H

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

Pk - Peak detector

RMS - RMS detection

Chamber 04-RDE-J

2025 Jun 13 22:50:51

Restricted Bandedge

Configuration: EUT Only
Mode: HDR8 2404MHz 1Tx
Tested By: 105553 KB

Peak Limit (dBu/m)

Average Limit (dBu/m)

13.1MHz/0.4dB

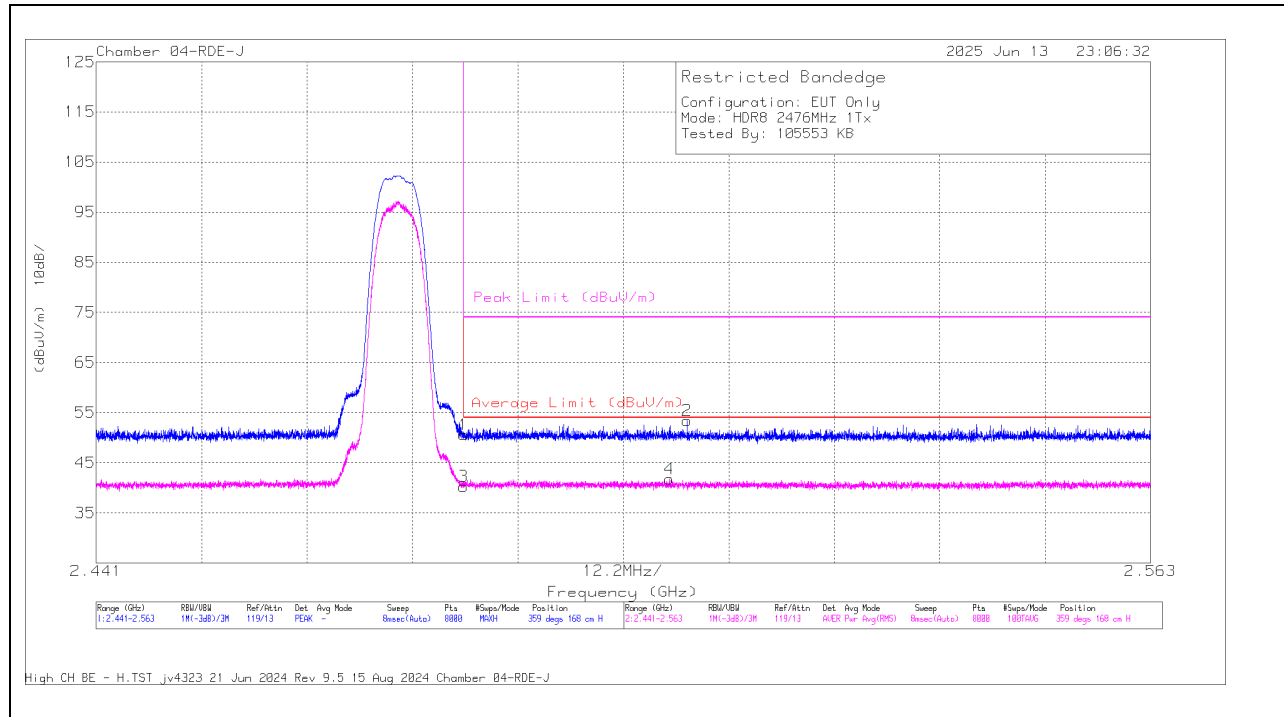
Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Attn	Det. Avg Mode	Sweep	Pls	#Swept/Mode	Position	Range (GHz)	RBW/VBW	Ref/Attn	Det. Avg Mode	Sweep	Pls	#Swept/Mode	Position
1.231-2.441	1M(-3dB)/2M	119/13	PKR -	Bessel(Auto)	8000	1600	127 degs 362 on U	1.231-2.441	1M(-3dB)/2M	119/13	PKR For Avg(PKS)	Bessel(Auto)	8000	1600/1600	127 degs 362 on U

Low CH BE - V.TST_jv4323 21 Jun 2024 Rev 9.5 15 Aug 2024 Chamber 04-RDE-J

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 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	* 2.39	55.28	Pk	32.2	-37.1	0	50.38	-	-	74	-23.62	137	382	V
2	* 2.36655	57.64	Pk	32.1	-37.1	0	52.64	-	-	74	-21.36	137	382	V
3	* 2.39	44.05	RMS	32.2	-37.1	1.08	40.21	54	-13.77	-	-	137	382	V
4	* 2.38409	45.38	RMS	32.2	-37.1	1.08	41.54	54	-12.44	-	-	137	382	V

RMS - RMS detection

BANEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

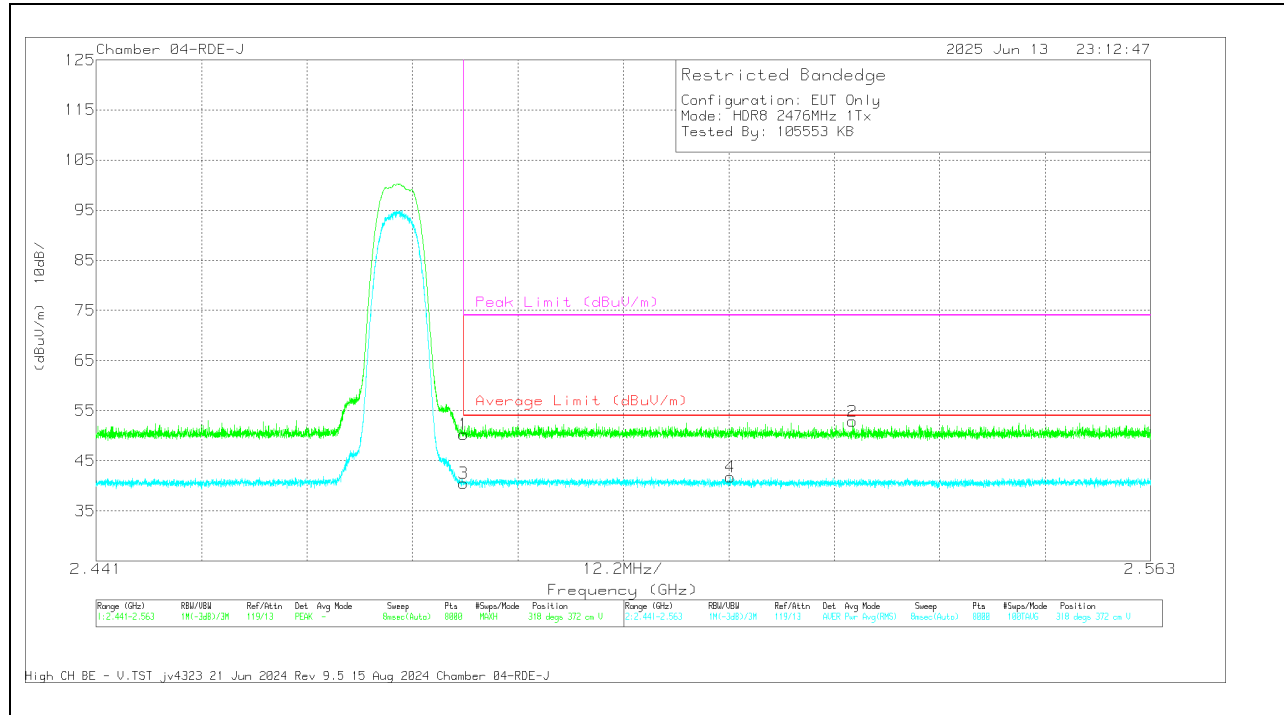
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.09	Pk	32.4	-36.9	0	50.59	-	-	74	-23.41	359	168	H
2	2.50939	57.78	Pk	32.5	-36.9	0	53.38	-	-	74	-20.62	359	168	H
3	* 2.4835	43.7	RMS	32.4	-36.9	1.08	40.28	54	-13.72	-	-	359	168	H
4	2.507316	45.07	RMS	32.5	-36.9	1.08	41.75	54	-12.25	-	-	359	168	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

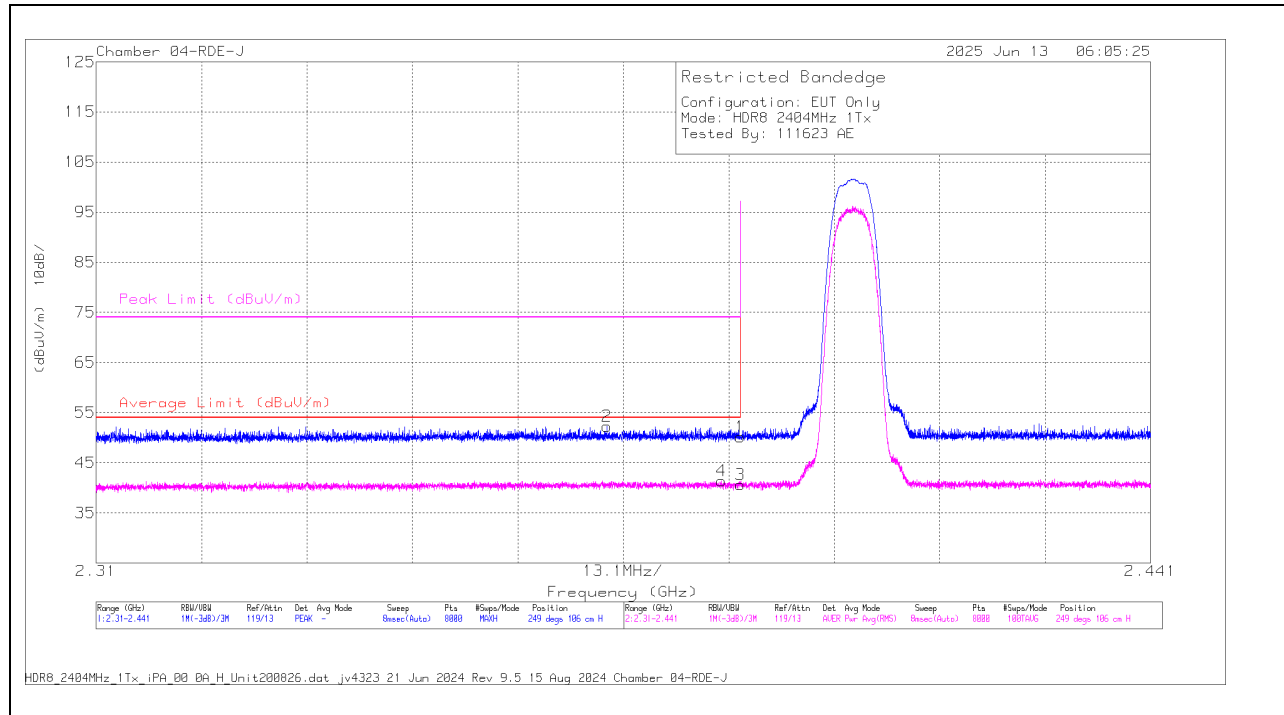


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	54.79	Pk	32.4	-36.9	0	50.29	-	-	74	-23.71	318	372	V
2	2.528516	57.25	Pk	32.5	-36.9	0	52.85	-	-	74	-21.15	318	372	V
3	* 2.4835	43.97	RMS	32.4	-36.9	1.08	40.55	54	-13.45	-	-	318	372	V
4	2.514347	45.1	RMS	32.5	-36.9	1.08	41.78	54	-12.22	-	-	318	372	V

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

Pk - Peak detector

RMS - RMS detection

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

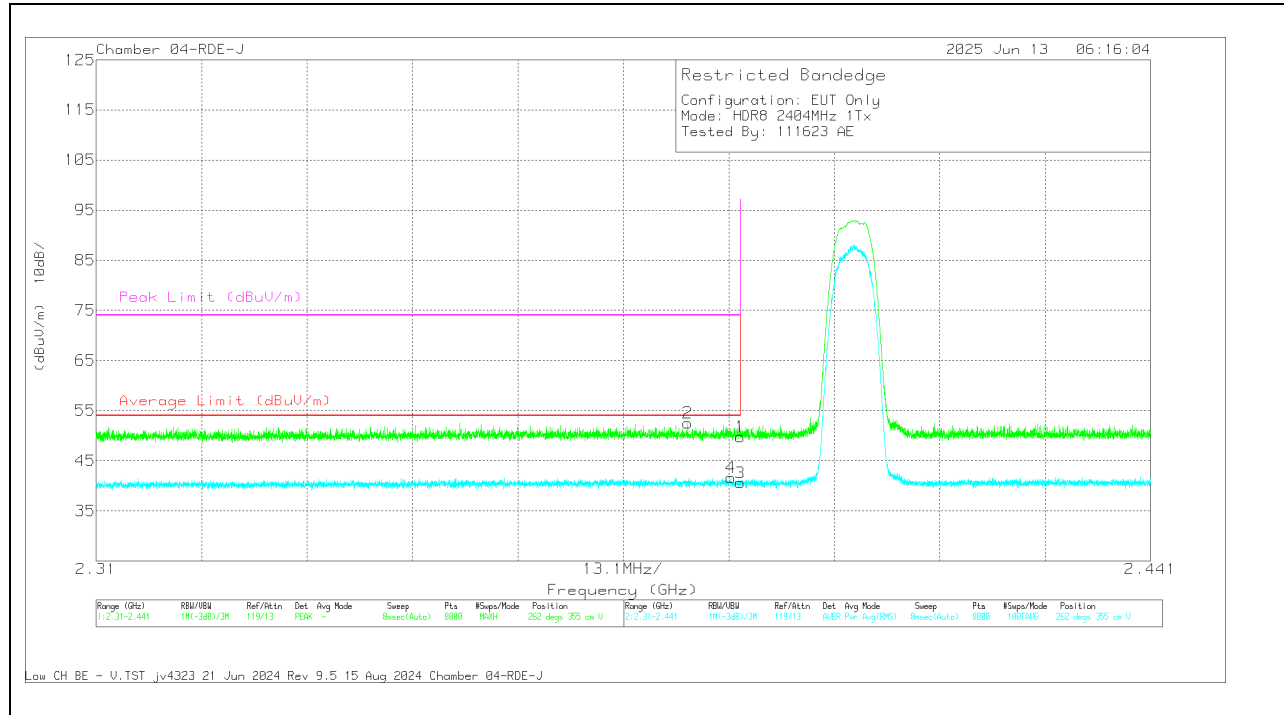
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.06	Pk	32.2	-37.1	0	50.16	-	-	74	-23.84	249	106	H
2	* 2.373477	57.1	Pk	32.2	-37	0	52.3	-	-	74	-21.7	249	106	H
3	* 2.39	44.43	RMS	32.2	-37.1	1.08	40.61	54	-13.39	-	-	249	106	H
4	* 2.387692	45.24	RMS	32.2	-37.1	1.08	41.42	54	-12.58	-	-	249	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



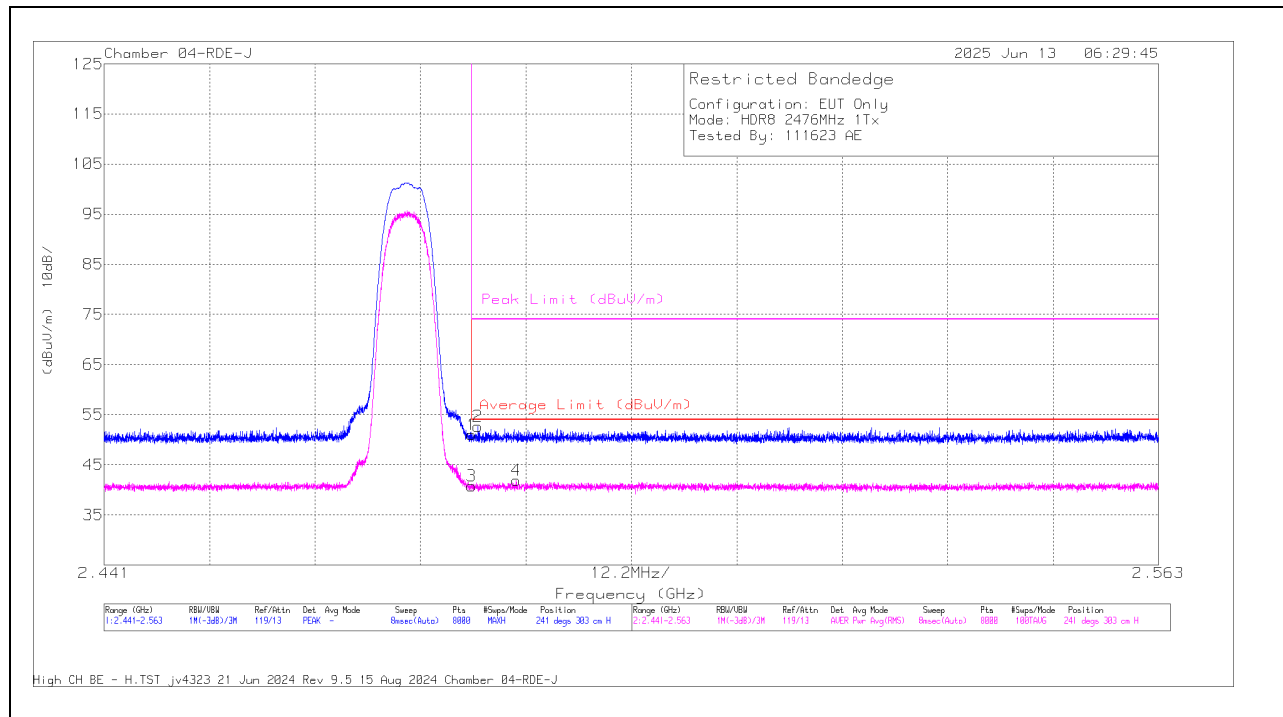
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.72	Pk	32.2	-37.1	0	49.82	-	-	74	-24.18	262	355	V
2	* 2.383516	57.41	Pk	32.2	-37.1	0	52.51	-	-	74	-21.49	262	355	V
3	* 2.39	44.41	RMS	32.2	-37.1	1.08	40.59	54	-13.41	-	-	262	355	V
4	* 2.388839	45.44	RMS	32.2	-37.1	1.08	41.62	54	-12.38	-	-	262	355	V

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

Pk - Peak detector

RMS - RMS detection

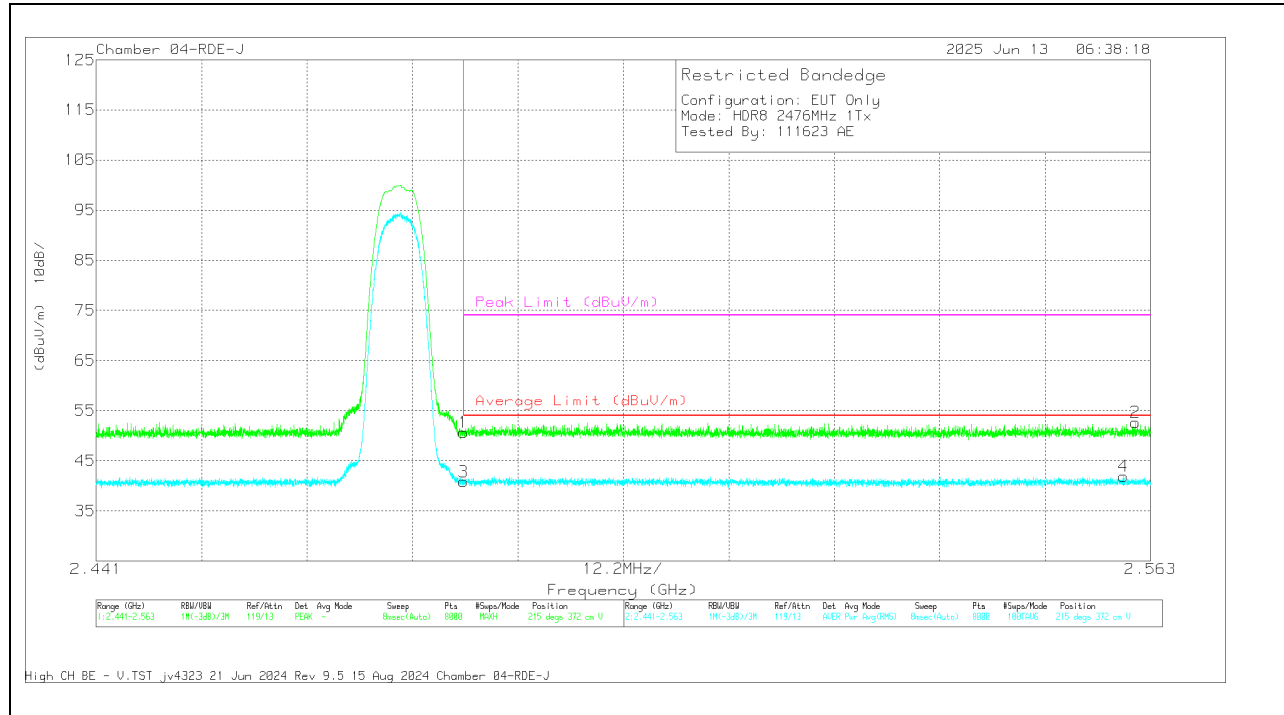
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 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	55.47	Pk	32.4	-36.9	0	50.97	-	-	74	-23.03	241	303	H
2	* 2.484239	57.12	Pk	32.4	-36.9	0	52.62	-	-	74	-21.38	241	303	H
3	* 2.4835	44.18	RMS	32.4	-36.9	1.08	40.76	54	-13.24	-	-	241	303	H
4	* 2.488693	45.24	RMS	32.5	-36.9	1.08	41.92	54	-12.08	-	-	241	303	H

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

VERTICAL RESULT

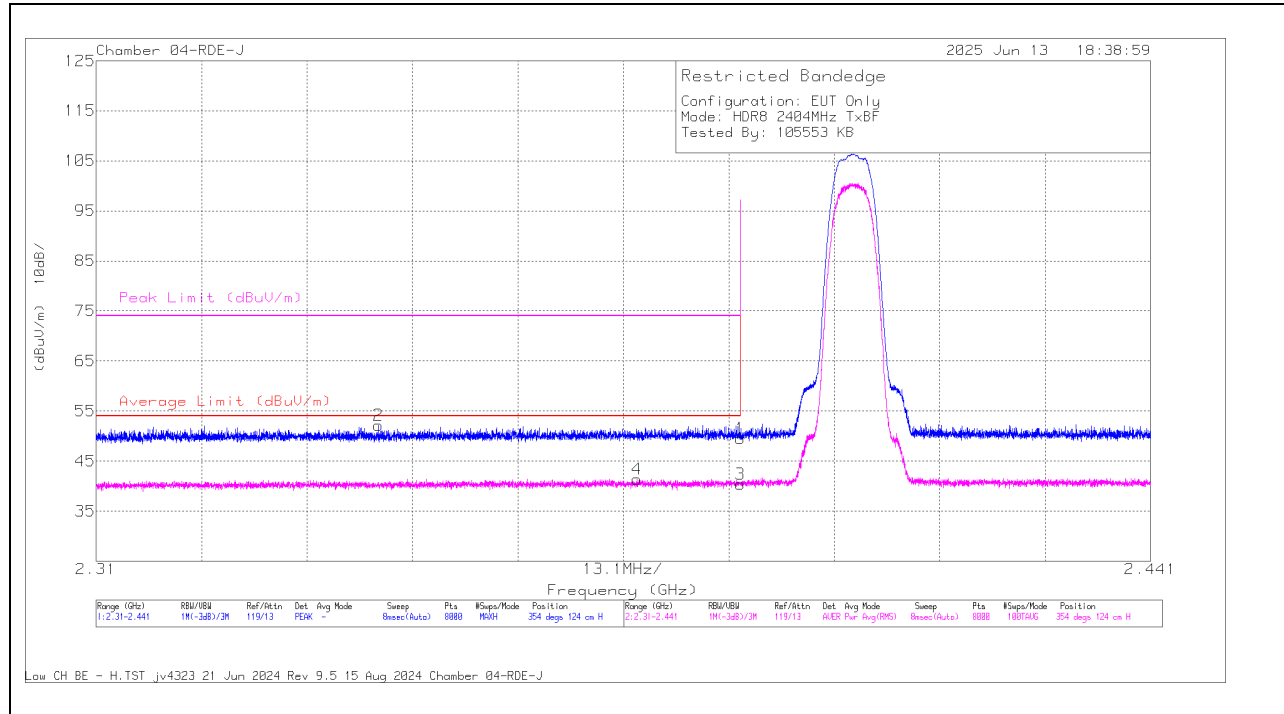


yapon	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.12	Pk	32.4	-36.9	0	50.62	-	-	74	-23.38	215	372	V
2	2.561232	56.84	Pk	32.6	-36.8	0	52.64	-	-	74	-21.36	215	372	V
3	* 2.4835	44.26	RMS	32.4	-36.9	1.08	40.84	54	-13.16	-	-	215	372	V
4	2.559859	45.06	RMS	32.6	-36.8	1.08	41.94	54	-12.06	-	-	215	372	V

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

Pk - Peak detector

RMS - RMS detection

10.2.8. LOW POWER HDR TXBF (HDR8)**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

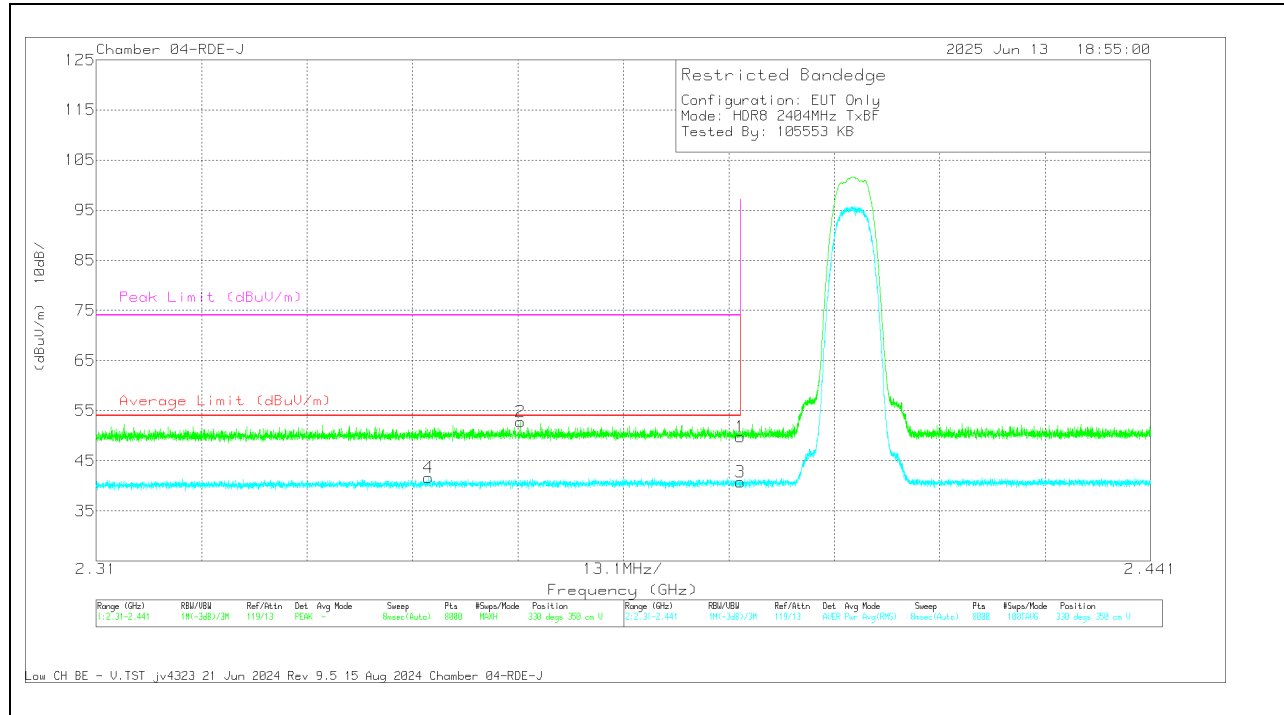
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.39	Pk	32.2	-37.1	0	49.49	-	-	74	-24.51	354	124	H
2	* 2.345063	57.29	Pk	32	-37.1	0	52.19	-	-	74	-21.81	354	124	H
3	* 2.39	44.17	RMS	32.2	-37.1	1.08	40.35	54	-13.65	-	-	354	124	H
4	* 2.377195	45.13	RMS	32.2	-37	1.08	41.41	54	-12.59	-	-	354	124	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

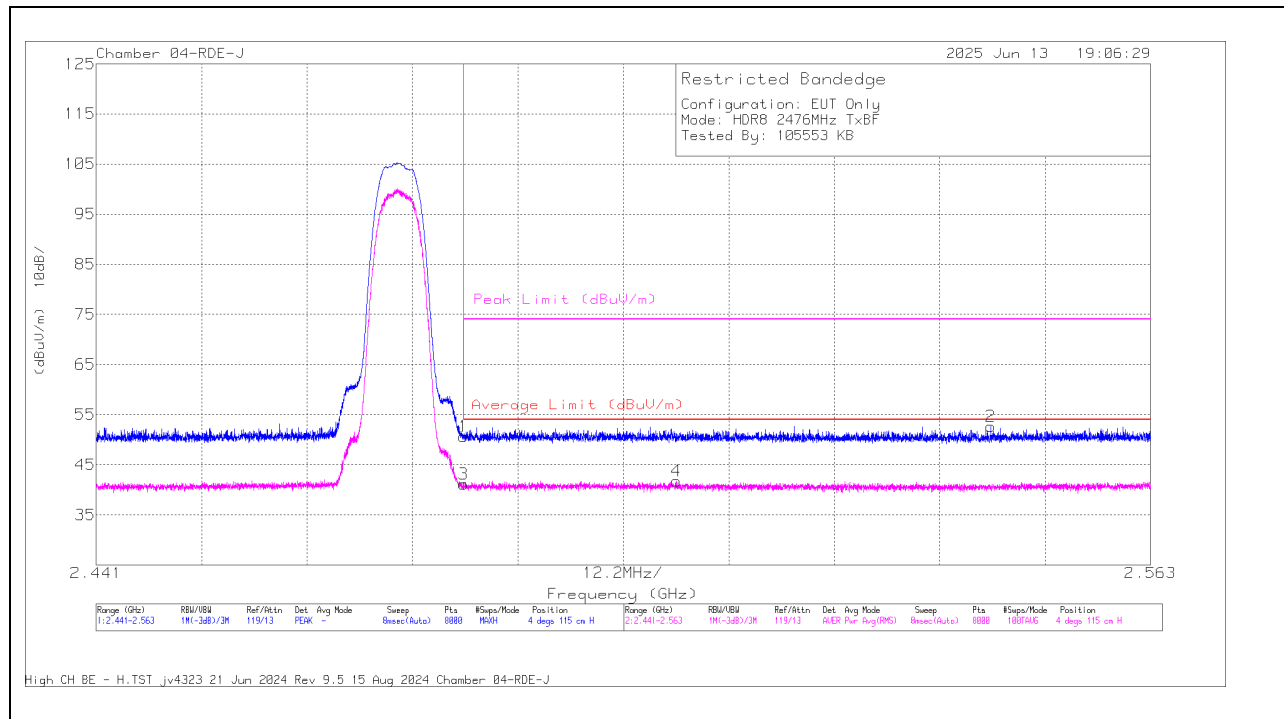


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.65	Pk	32.2	-37.1	0	49.75	-	-	74	-24.25	330	350	V
2	* 2.362734	57.8	Pk	32.1	-37.1	0	52.8	-	-	74	-21.2	330	350	V
3	* 2.39	44.57	RMS	32.2	-37.1	1.08	40.75	54	-13.25	-	-	330	350	V
4	* 2.351286	45.54	RMS	32.1	-37.1	1.08	41.62	54	-12.38	-	-	330	350	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

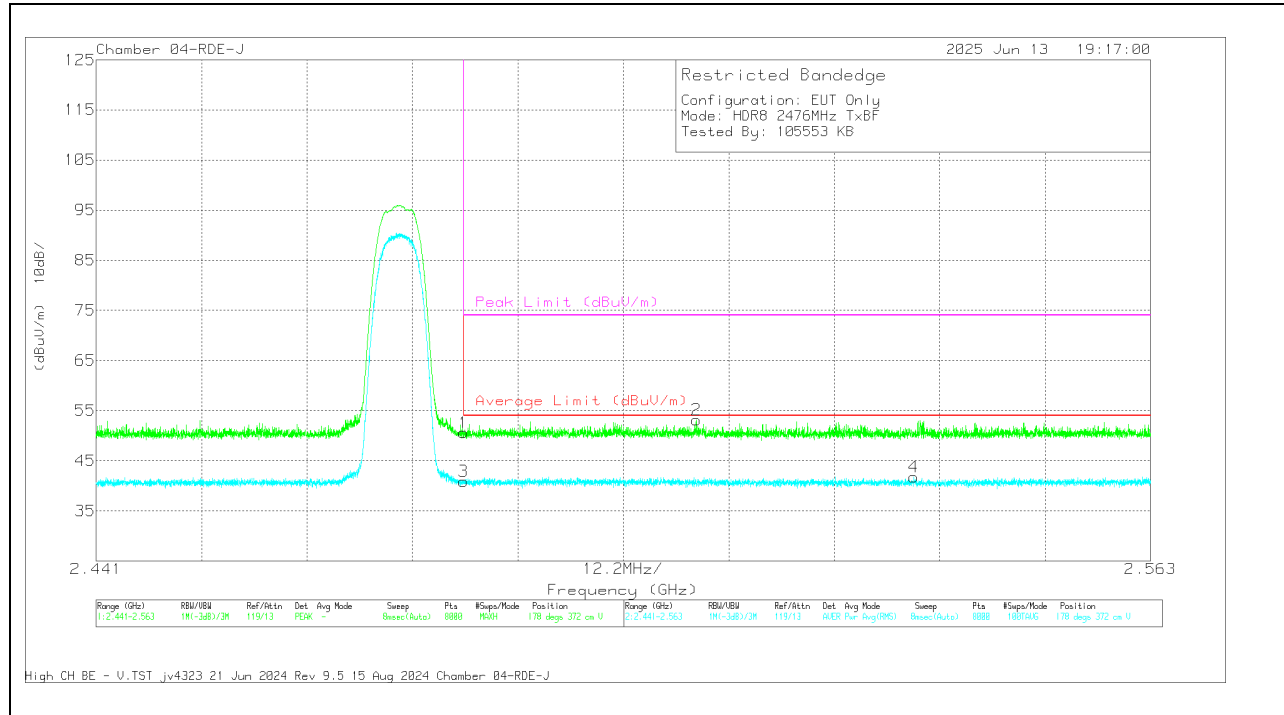
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1	* 2.4835	55.16	Pk	32.4	-36.9	0	50.66	-	-	74	-23.34	4	115	H
2	2.544531	56.93	Pk	32.6	-36.9	0	52.63	-	-	74	-21.37	4	115	H
3	* 2.4835	44.57	RMS	32.4	-36.9	1.08	41.15	54	-12.85	-	-	4	115	H
4	2.508124	45.07	RMS	32.5	-36.9	1.08	41.75	54	-12.25	-	-	4	115	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80707 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	55.09	Pk	32.4	-36.9	0	50.59	-	-	74	-23.41	178	372	V
2	2.510442	57.59	Pk	32.5	-36.9	0	53.19	-	-	74	-20.81	178	372	V
3	* 2.4835	44.3	RMS	32.4	-36.9	1.08	40.88	54	-13.12	-	-	178	372	V
4	2.535593	45.06	RMS	32.5	-36.9	1.08	41.74	54	-12.26	-	-	178	372	V

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

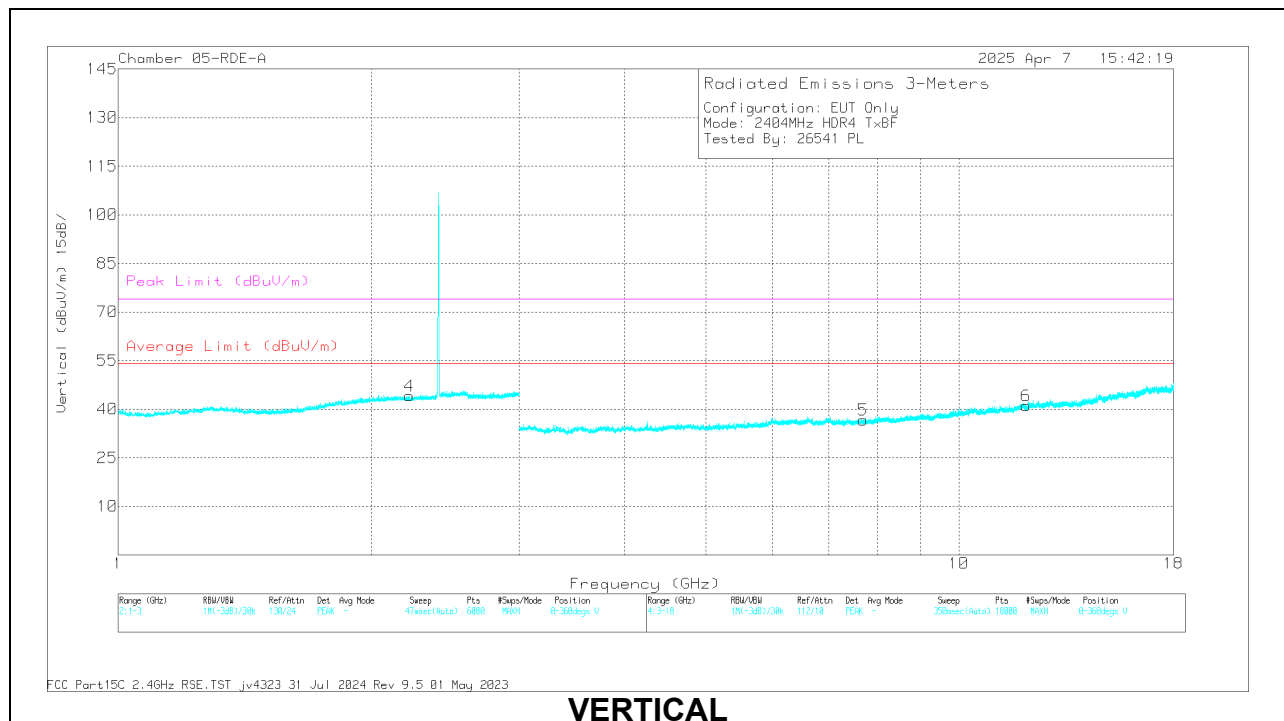
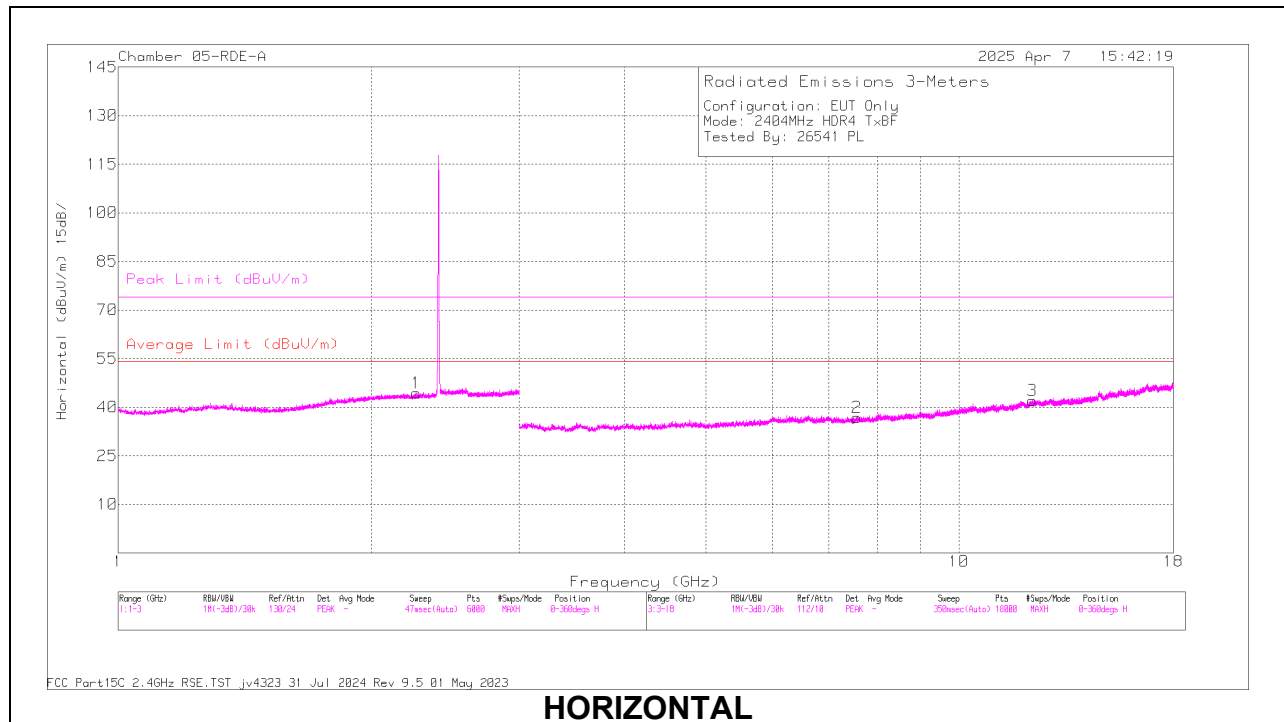
Pk - Peak detector

RMS - RMS detection

10.2.9. WORST CASE HARMONICS AND SPURIOUS EMISSIONS

HDR4

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.262142	61.85	PK2	31.8	0	-39.7	53.95	-	-	74	-20.05	59	135	H
	* 2.26169	49.9	MAv1	31.8	1.09	-39.7	43.09	54	-10.91	-	-	59	135	H
2	* 7.560154	56.22	PK2	35.7	0	-44.8	47.12	-	-	74	-26.88	87	203	H
	* 7.558003	44.22	MAv1	35.7	1.09	-44.8	36.21	54	-17.79	-	-	87	203	H
3	* 12.239831	53.56	PK2	38.9	0	-40.62	51.84	-	-	74	-22.16	169	195	H
	* 12.239419	41.86	MAv1	38.9	1.09	-40.66	41.19	54	-12.81	-	-	169	195	H
4	* 2.223484	61.52	PK2	31.7	0	-39.65	53.57	-	-	74	-20.43	70	230	V
	* 2.22233	49.7	MAv1	31.7	1.09	-39.53	42.96	54	-11.04	-	-	70	230	V
5	* 7.697439	55.26	PK2	35.8	0	-44.66	46.4	-	-	74	-27.6	227	210	V
	* 7.697111	43.86	MAv1	35.8	1.09	-44.69	36.06	54	-17.94	-	-	227	210	V
6	* 12.029997	53.28	PK2	38.8	0	-41	51.08	-	-	74	-22.92	237	167	V
	* 12.028147	41.73	MAv1	38.8	1.09	-41.1	40.52	54	-13.48	-	-	237	167	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

RADIATED EMISSIONS

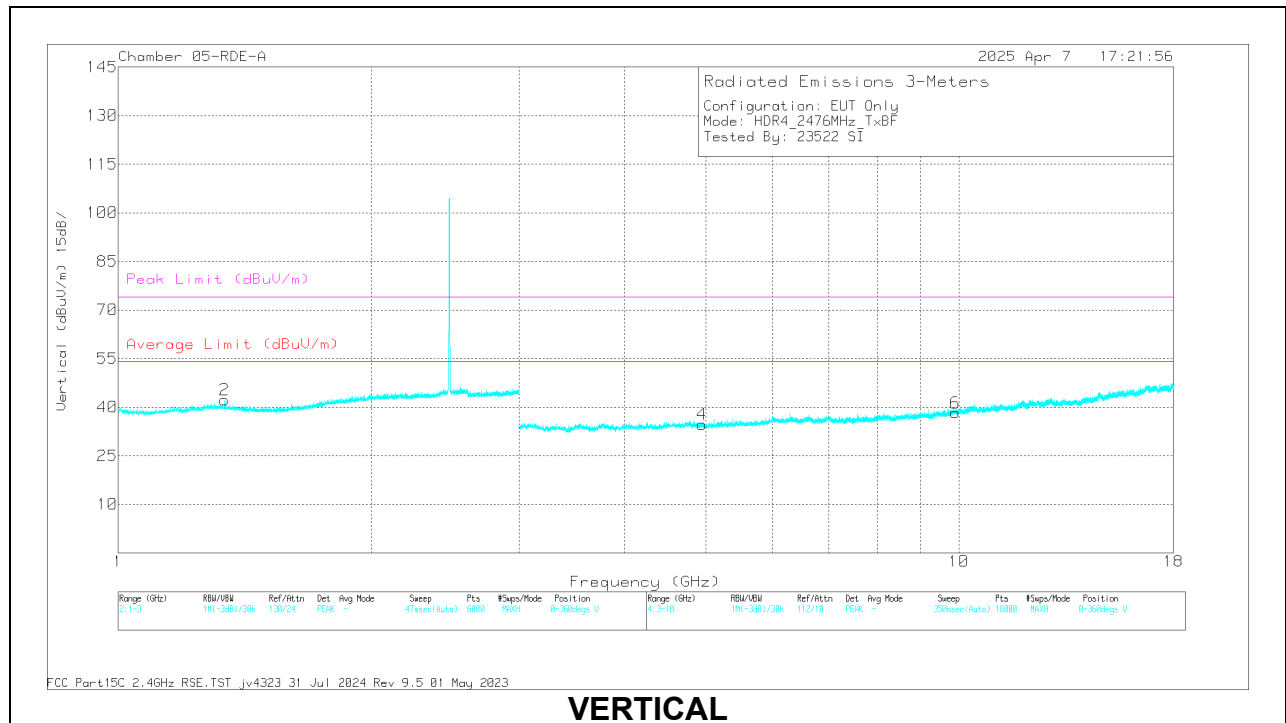
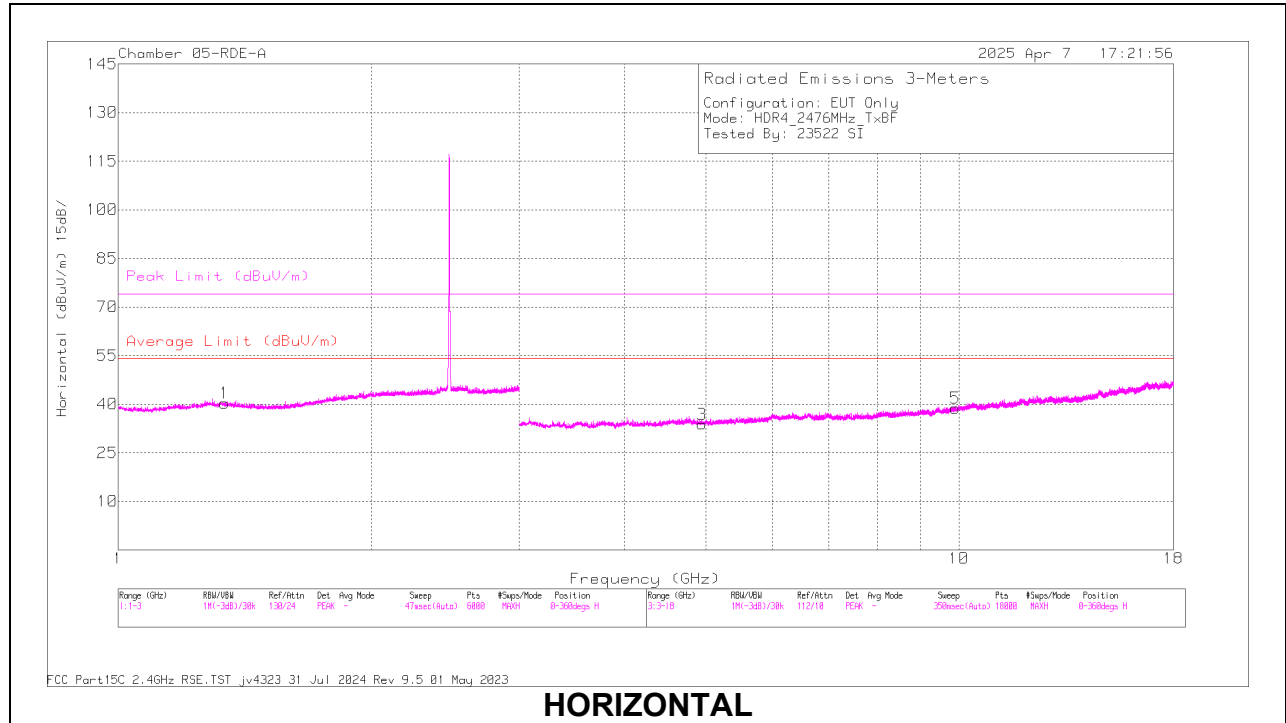
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.880471	57.79	PK2	34.4	0	-47.25	44.94	-	-	74	-29.06	34	306	H
	* 4.87784	46.13	MAv1	34.4	1.09	-47.28	34.34	54	-19.66	-	-	34	306	H
2	* 4.88105	57.92	PK2	34.4	0	-47.3	45.02	-	-	74	-28.98	13	381	V
	* 4.881338	46.2	MAv1	34.4	1.09	-47.3	34.39	54	-19.61	-	-	13	381	V
3	* 7.32304	55.79	PK2	35.5	0	-45	46.29	-	-	74	-27.71	49	210	H
	* 7.320014	44.39	MAv1	35.5	1.09	-45.1	35.88	54	-18.12	-	-	49	210	H
4	* 7.318708	56.29	PK2	35.5	0	-45.1	46.69	-	-	74	-27.31	146	293	V
	* 7.320044	44.91	MAv1	35.5	1.09	-45.1	36.4	54	-17.6	-	-	146	293	V
5	9.759886	56.13	PK2	37	0	-44.01	49.12	-	-	-	-	344	137	H
6	9.758611	56.01	PK2	37	0	-44.1	48.91	-	-	-	-	100	208	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



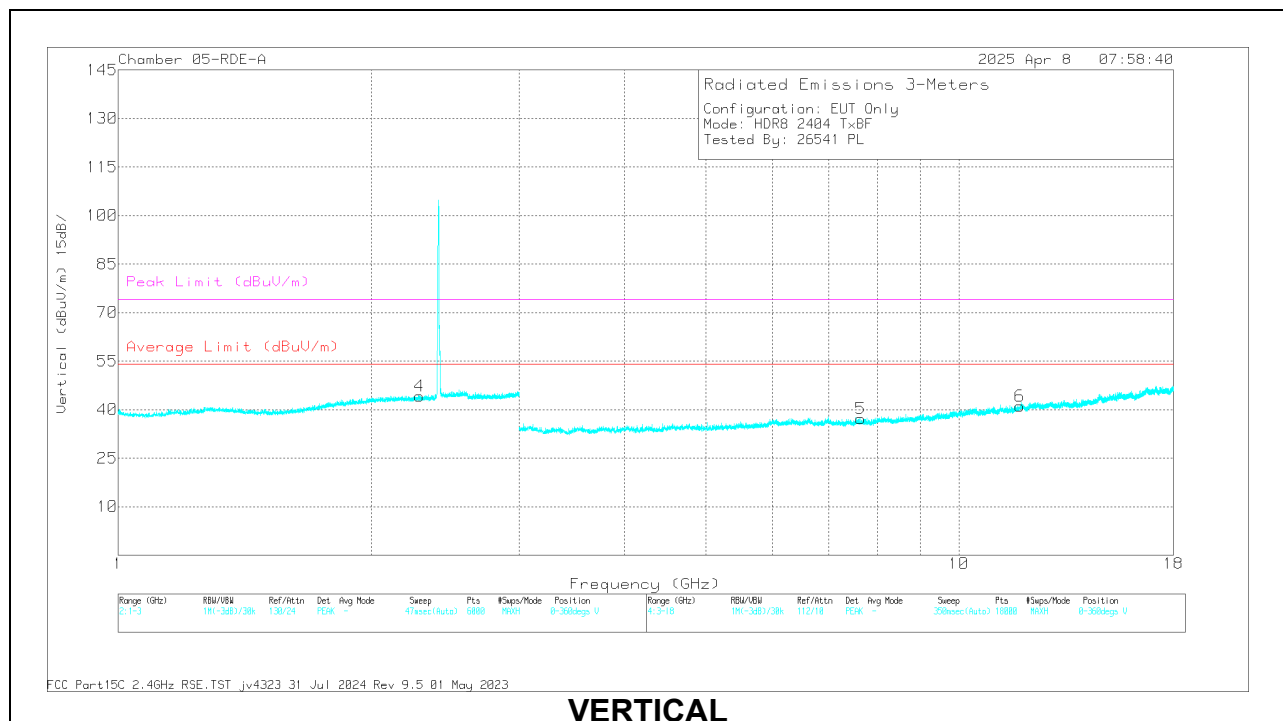
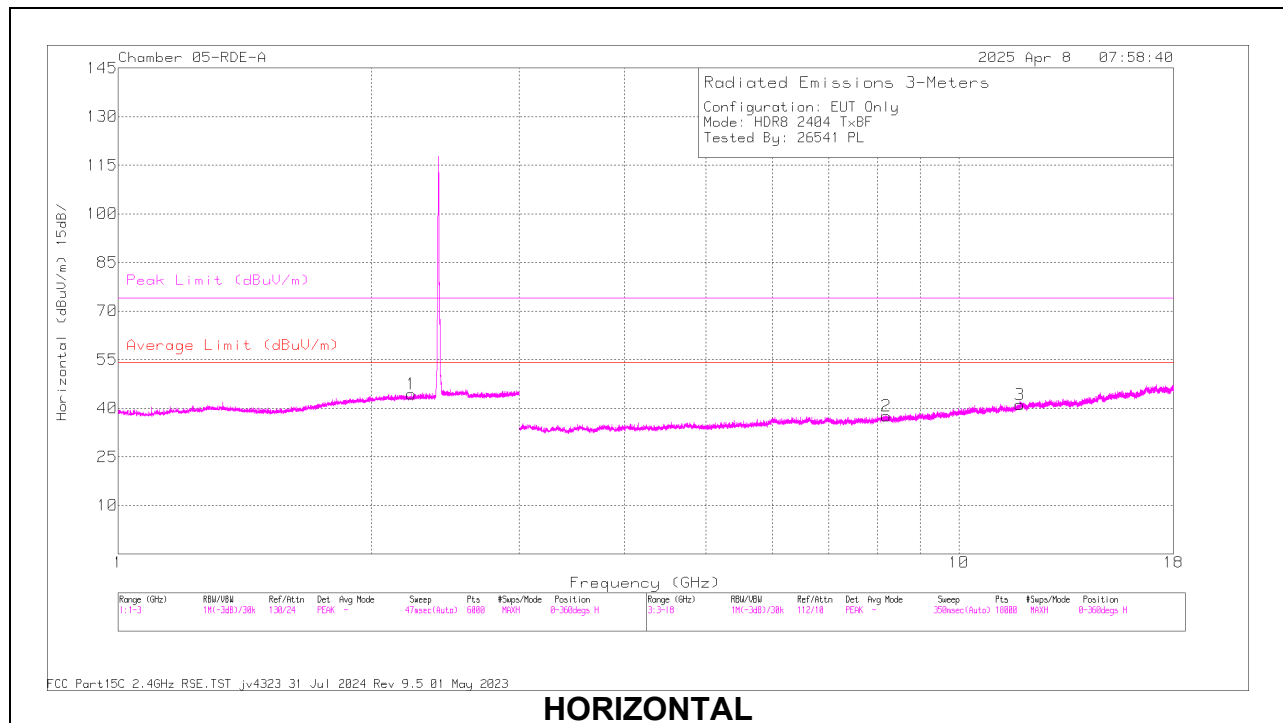
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 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	* 1.339444	61.67	PK2	28.6	0	-40.3	49.97	-	-	74	-24.03	6	133	H
	* 1.339465	50.38	MAv1	28.6	1.09	-40.3	39.77	54	-14.23	-	-	6	133	H
2	* 1.338458	61.87	PK2	28.6	0	-40.3	50.17	-	-	74	-23.83	265	245	V
	* 1.338174	50.42	MAv1	28.6	1.09	-40.3	39.81	54	-14.19	-	-	265	245	V
3	* 4.954417	58.06	PK2	34.3	0	-47.24	45.12	-	-	74	-28.88	133	296	H
	* 4.952043	46.44	MAv1	34.3	1.09	-47.2	34.63	54	-19.37	-	-	133	296	H
4	* 4.951297	58.23	PK2	34.3	0	-47.27	45.26	-	-	74	-28.74	90	364	V
	* 4.951741	46.42	MAv1	34.3	1.09	-47.23	34.58	54	-19.42	-	-	90	364	V
5	9.903241	56.05	PK2	37.2	0	-44.3	48.95	-	-	-	-	174	278	H
6	9.902122	55.85	PK2	37.2	0	-44.3	48.75	-	-	-	-	12	187	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HDR8**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

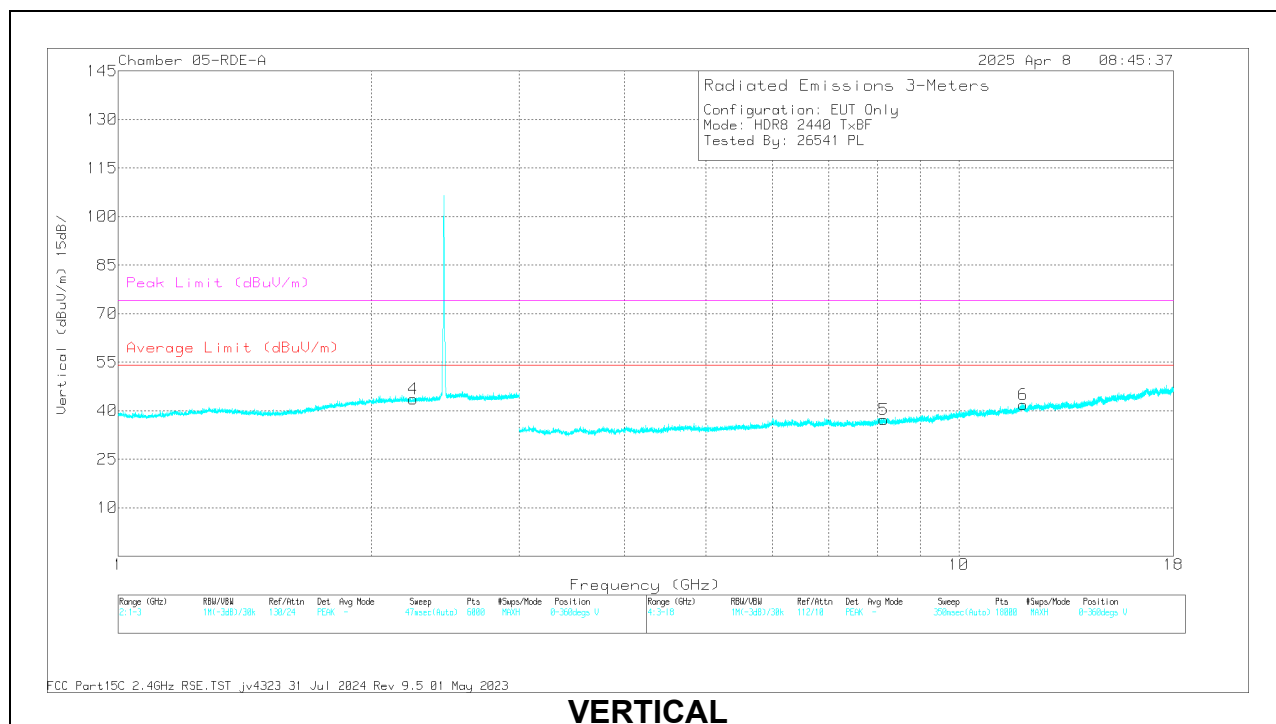
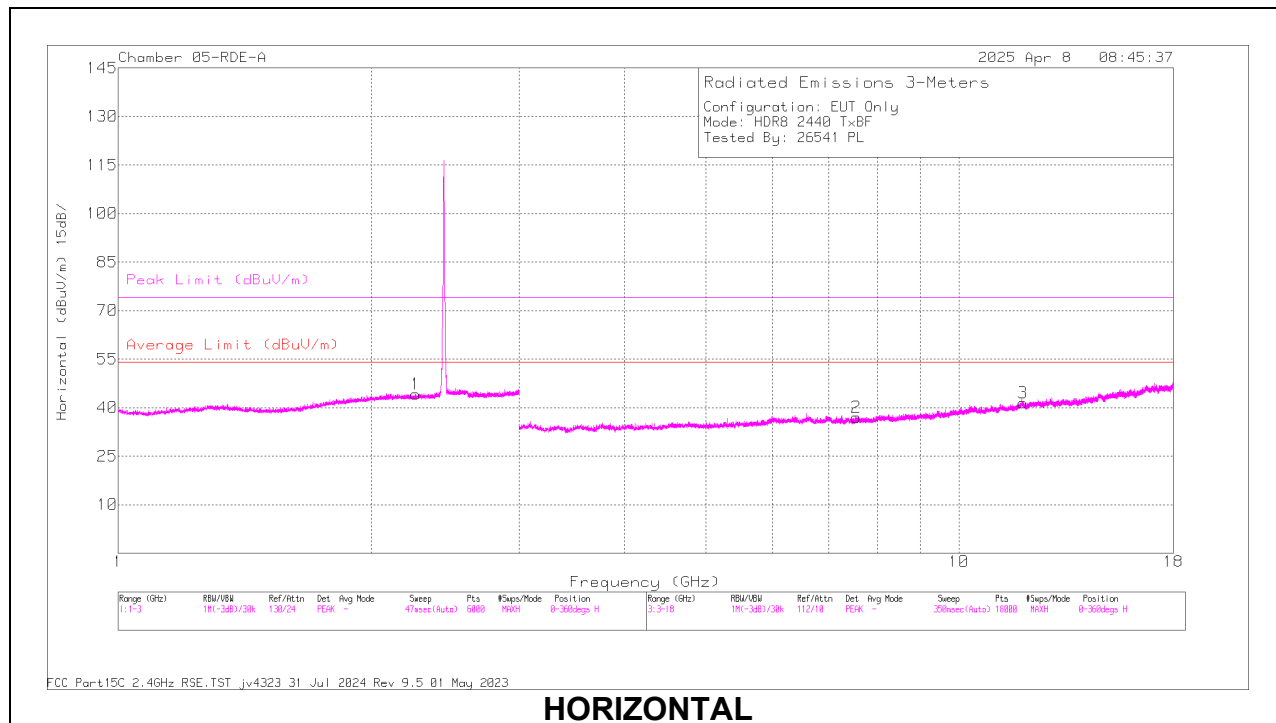
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.232334	61.76	PK2	31.7	0	-39.7	53.76	-	-	74	-20.24	266	167	H
	* 2.229931	49.59	MAv1	31.7	1.08	-39.69	42.68	54	-11.32	-	-	266	167	H
2	* 8.194418	54.88	PK2	36	0	-43.5	47.38	-	-	74	-26.62	239	273	H
	* 8.193543	43.52	MAv1	36	1.08	-43.5	37.1	54	-16.9	-	-	239	273	H
3	* 11.814119	53.06	PK2	38.6	0	-40.9	50.76	-	-	74	-23.24	159	241	H
	* 11.812863	41.71	MAv1	38.6	1.08	-40.9	40.49	54	-13.51	-	-	159	241	H
4	* 2.279587	61.73	PK2	31.9	0	-39.7	53.93	-	-	74	-20.07	157	227	V
	* 2.280607	50	MAv1	31.9	1.08	-39.7	43.28	54	-10.72	-	-	157	227	V
5	* 7.636641	55.93	PK2	35.8	0	-45	46.73	-	-	74	-27.27	166	145	V
	* 7.640277	44.14	MAv1	35.8	1.08	-45	36.02	54	-17.98	-	-	166	145	V
6	* 11.811328	53.26	PK2	38.6	0	-40.9	50.96	-	-	74	-23.04	228	179	V
	* 11.812096	41.52	MAv1	38.6	1.08	-40.9	40.3	54	-13.7	-	-	228	179	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

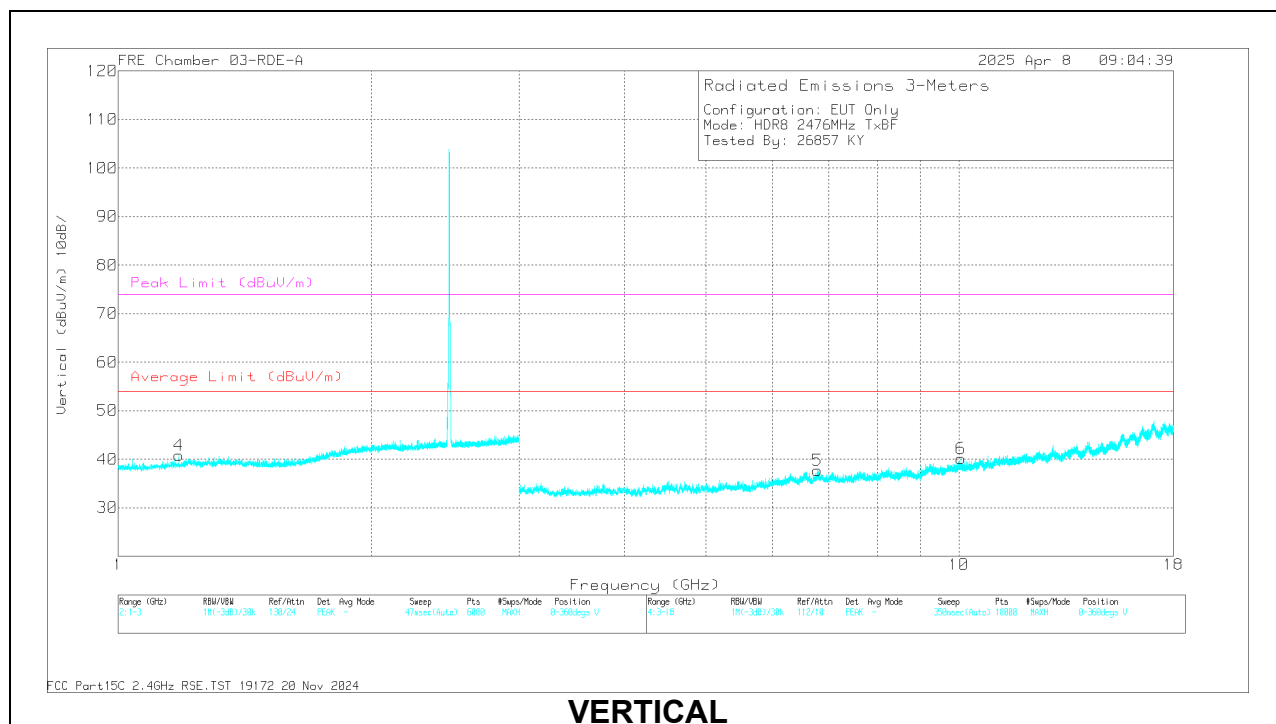
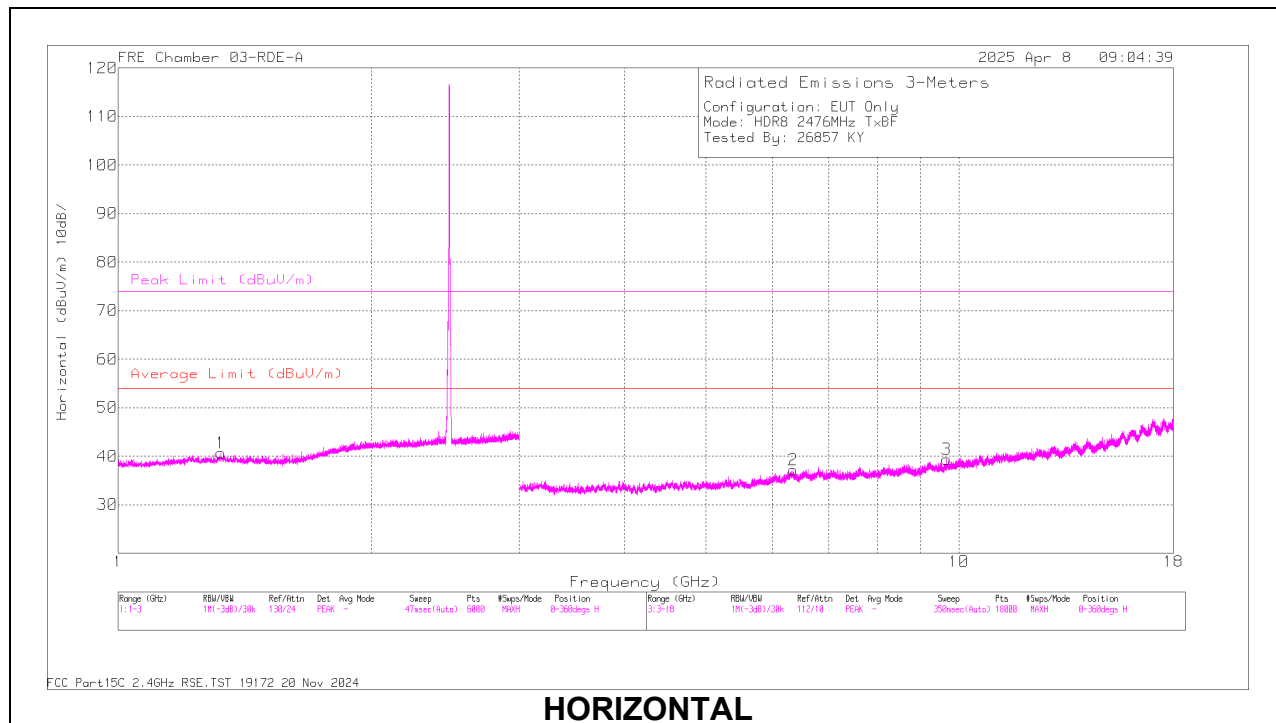
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.257965	61.46	PK2	31.8	0	-39.7	53.56	-	-	74	-20.44	238	171	H
	* 2.25735	49.94	MAv1	31.8	1.08	-39.7	43.12	54	-10.88	-	-	238	171	H
2	* 7.543809	55.78	PK2	35.7	0	-44.6	46.88	-	-	74	-27.12	260	201	H
	* 7.546426	43.98	MAv1	35.7	1.08	-44.6	36.16	54	-17.84	-	-	260	201	H
3	* 11.926778	52.97	PK2	38.7	0	-40.62	51.05	-	-	74	-22.95	303	277	H
	* 11.926935	41.63	MAv1	38.7	1.08	-40.61	40.8	54	-13.2	-	-	303	277	H
4	* 2.256861	61.56	PK2	31.8	0	-39.7	53.66	-	-	74	-20.34	199	324	V
	* 2.257181	50.06	MAv1	31.8	1.08	-39.7	43.24	54	-10.76	-	-	199	324	V
5	* 8.14546	55.18	PK2	36	0	-43.3	47.88	-	-	74	-26.12	298	294	V
	* 8.146462	43.15	MAv1	36	1.08	-43.3	36.93	54	-17.07	-	-	298	294	V
6	* 11.930063	52.99	PK2	38.7	0	-40.61	51.08	-	-	74	-22.92	176	139	V
	* 11.931856	41.63	MAv1	38.7	1.08	-40.7	40.71	54	-13.29	-	-	176	139	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 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	* 1.328015	61.47	PK2	28.5		-40.3	49.67	-	-	74	-24.33	358	363	H
	* 1.324686	49.99	MAv1	28.5	1.08	-40.23	39.34	54	-14.66	-	-	358	363	H
2	6.347669	55.99	PK2	35.6		-45.1	46.49	-	-	74	-27.51	154	386	H
3	9.660293	57.46	PK2	36.7		-45.47	48.69	-	-	74	-25.31	196	333	H
	9.663379	45.88	MAv1	36.7		-45.4	37.18	-	-	-	-	196	333	H
4	* 1.179987	61.92	PK2	28.1		-40.5	49.52	-	-	74	-24.48	306	357	V
	* 1.180291	50.01	MAv1	28.1	1.08	-40.5	38.69	54	-15.31	-	-	306	357	V
5	6.789454	56.79	PK2	35.8		-45.05	47.54	-	-	74	-26.46	266	288	V
6	10.052042	57.79	PK2	37.2		-46	48.99	-	-	74	-25.01	14	377	V

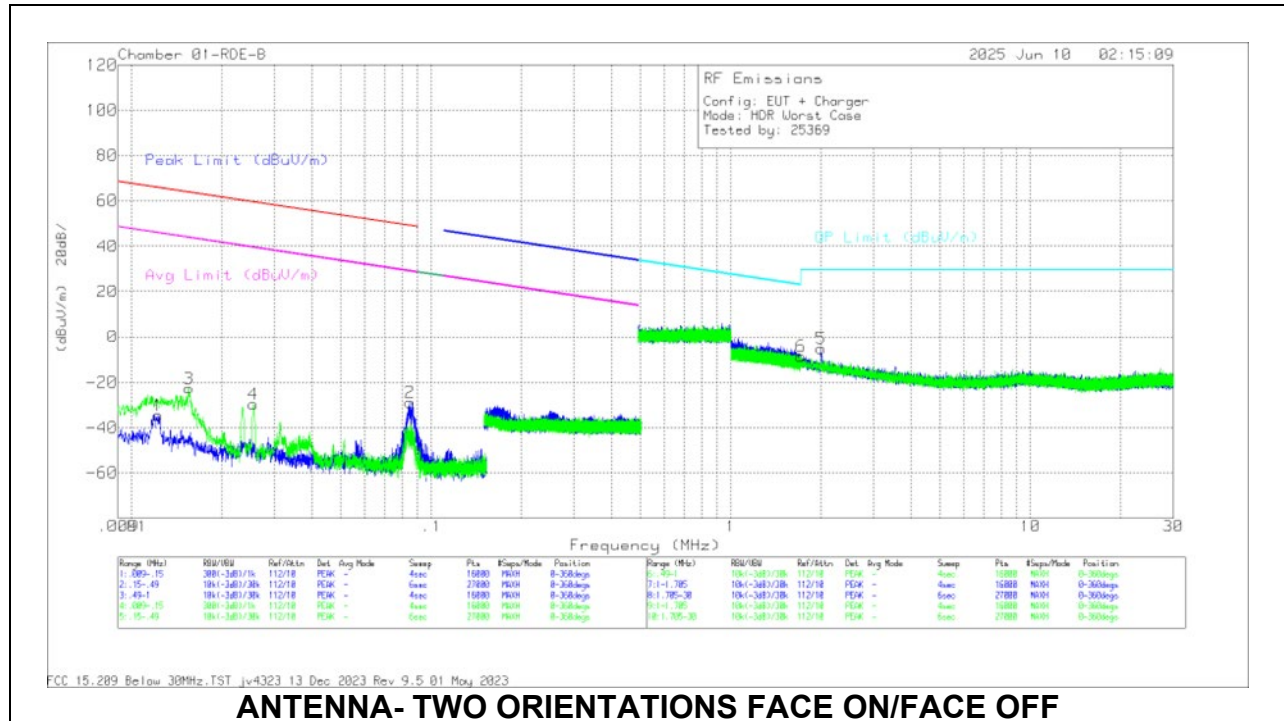
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

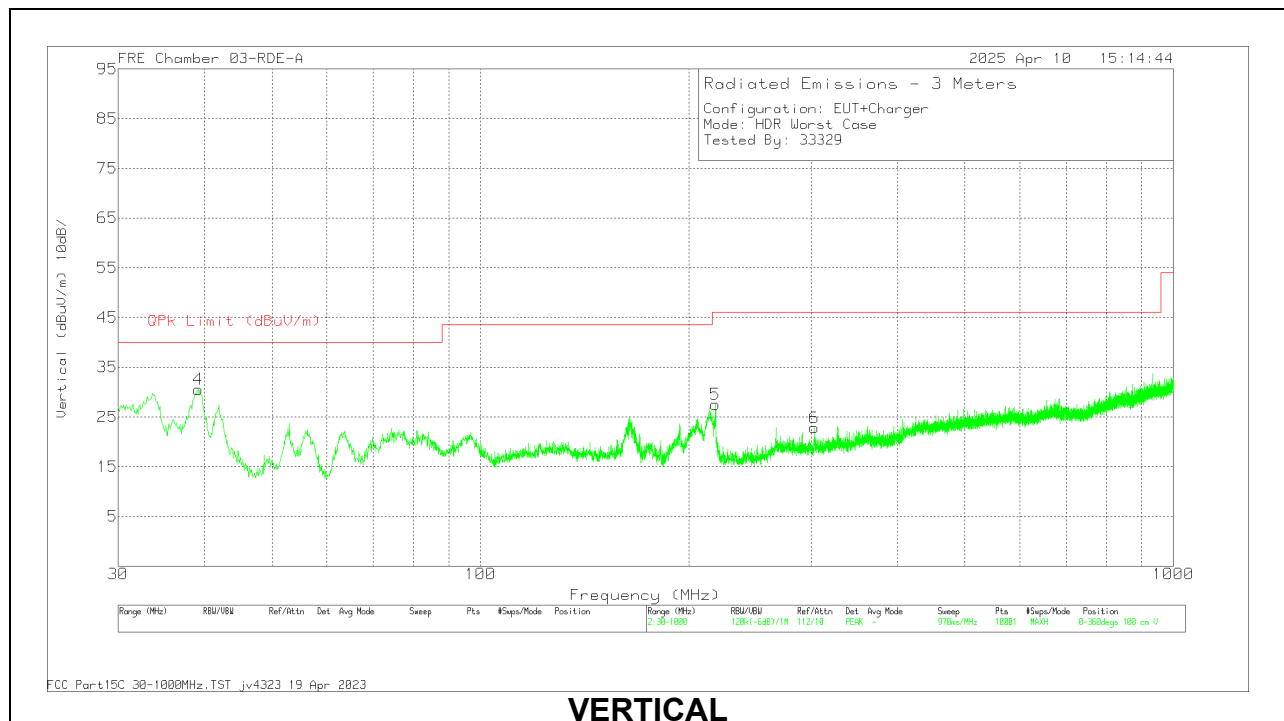
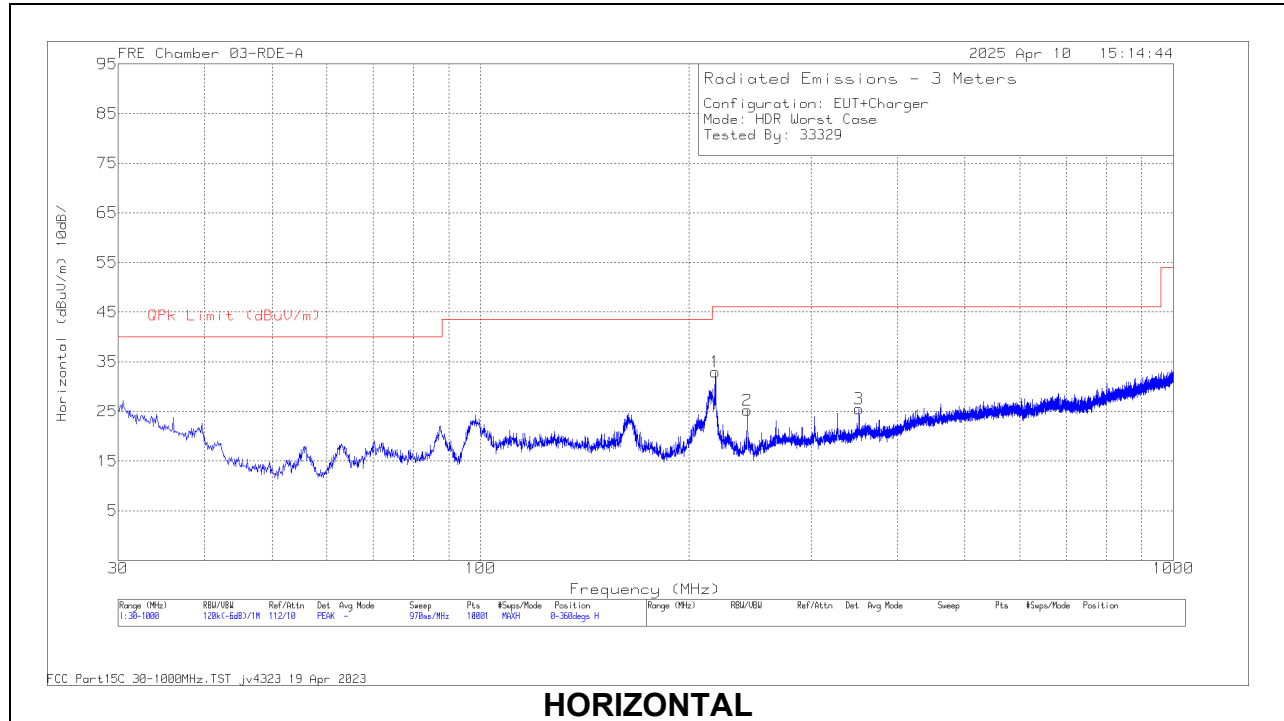
Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna ACF (dB/m)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.0123	16.46	Pk	60.2	-31.4	-80	-34.74	65.82	-100.56	45.82	-80.56	0-360
2	.0847	27.66	Pk	55.8	-32.4	-80	-28.94	49.03	-77.97	29.03	-57.97	0-360
3	.0155	29.26	Pk	59.8	-31.7	-80	-22.64	63.79	-86.43	43.79	-66.43	0-360
4	.0255	23.86	Pk	58.6	-32.1	-80	-29.64	59.47	-89.11	39.47	-69.11	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna ACF (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	1.9974	25.93	Pk	41.3	-32.2	-40	-4.97	29.5	-34.47	0-360
6	1.7186	20.82	Pk	42.8	-32.2	-40	-8.58	29.5	-38.08	0-360

Pk - Peak detector

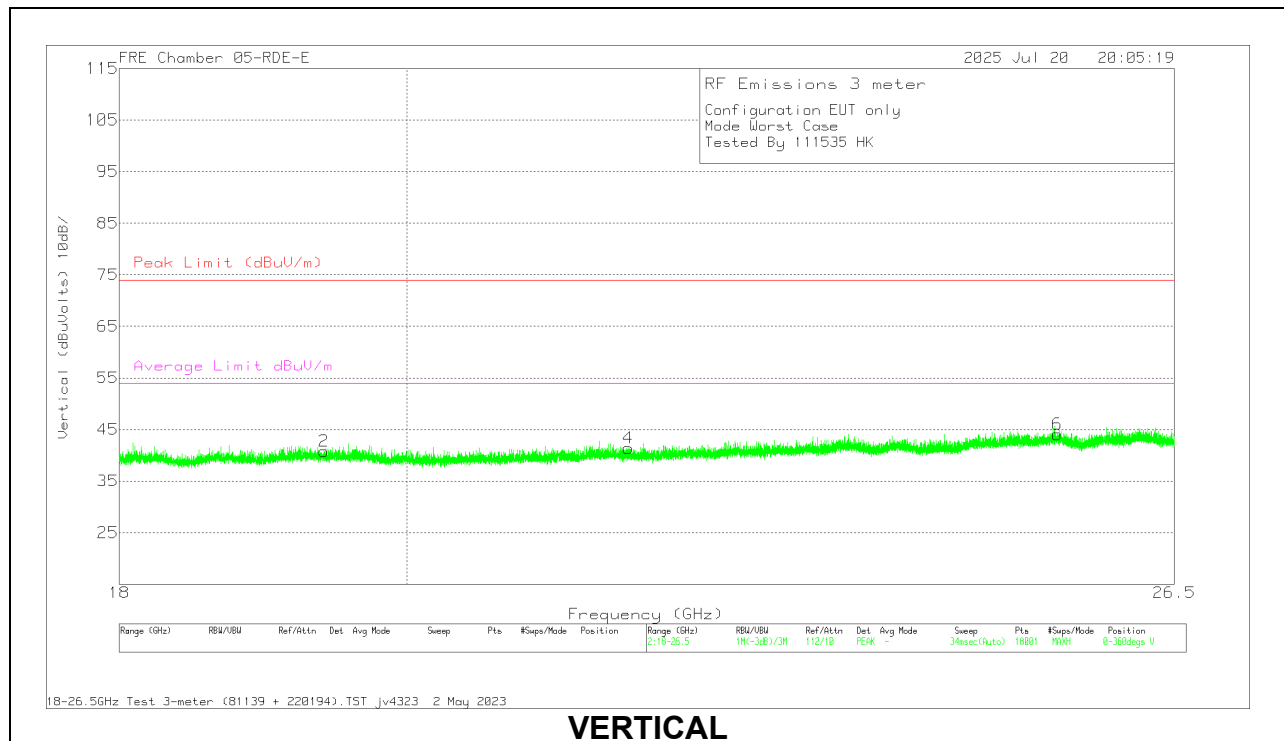
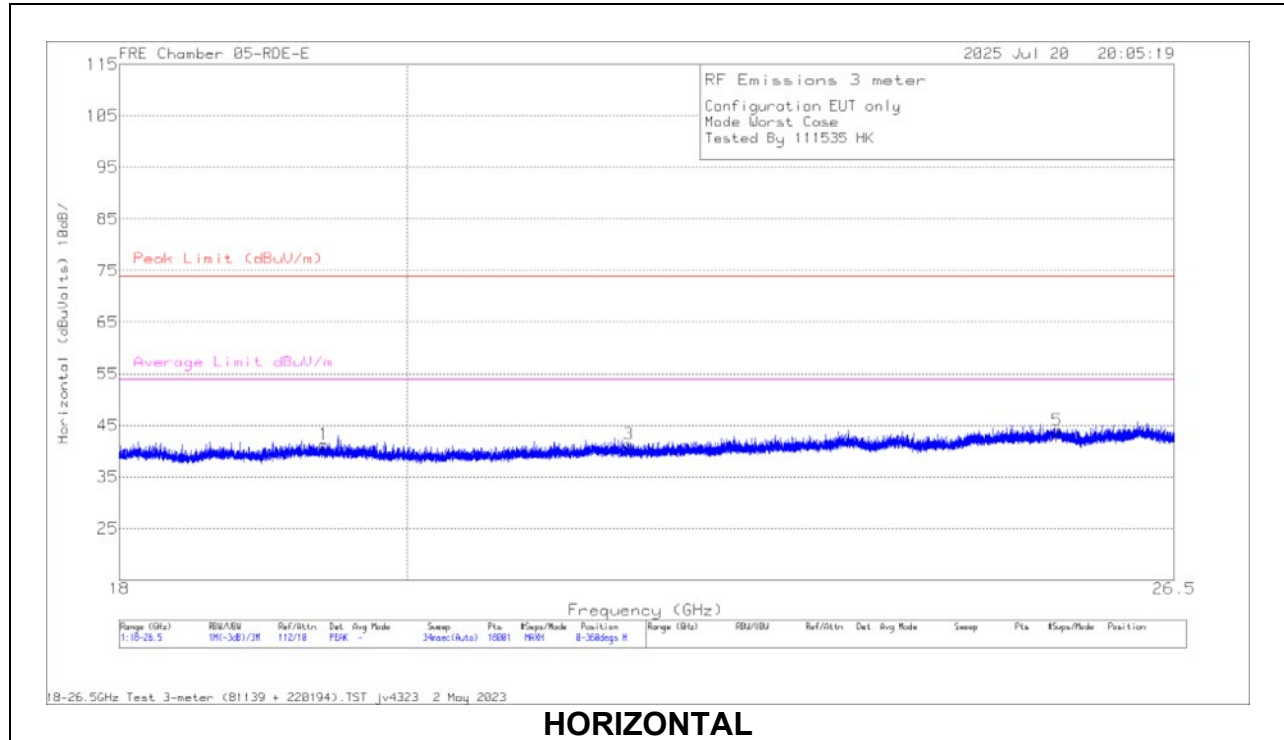
10.4. WORST CASE BELOW 1 GHz**SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)**

Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80813 ACF (dB/m)	CBL AMP (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	218.316	43.75	Qp	16.5	-29.4	0	30.85	46.02	-15.17	341	121	H
2	* 242.47	33.76	Qp	17.4	-29.4	0	21.76	46.02	-24.26	122	132	H
3	351.599	32.45	Qp	20.1	-28.9	0	23.65	46.02	-22.37	217	104	H
4	39.2925	37.6	Qp	20.1	-30.9	0	26.8	40	-13.2	261	112	V
5	218.358	38.48	Qp	16.5	-29.4	0	25.58	46.02	-20.44	225	126	V
6	303.115	29.13	Qp	19.4	-28.6	0	19.93	46.02	-26.09	145	140	V

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

Qp - Quasi-Peak detector

10.5. WORST CASE 18-26 GHz**SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)**

18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81139 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	DCCF (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.40195	47.77	PK2	33	-62.4	24.1	0	42.47	74	-31.53	-	-	1	101	H
	* 19.403371	36.04	MAv1	33	-62.4	24.1	1.09	31.83	-	-	54	-22.17	1	101	H
3	21.695151	46.21	PK2	33.4	-62.3	25.6	0	42.91	74	-31.09	-	-	1	101	H
	21.696049	34.67	MAv1	33.4	-62.3	25.6	1.09	32.46	-	-	54	-21.54	1	101	H
5	25.386355	45.92	PK2	34.3	-62.7	28.1	0	45.62	74	-28.38	-	-	1	101	H
	25.385111	34.52	MAv1	34.3	-62.7	28.1	1.09	35.31	-	-	54	-18.69	1	101	H

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81139 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	DCCF (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 19.403306	47.89	PK2	33	-62.4	24.1	0	42.59	74	-31.41	-	-	1	101	V
	* 19.40254	36.09	MAv1	33	-62.4	24.1	1.09	31.88	-	-	54	-22.12	1	101	V
4	21.695676	46.29	PK2	33.4	-62.3	25.6	0	42.99	74	-31.01	-	-	1	200	V
	21.692177	34.61	MAv1	33.4	-62.3	25.6	1.09	32.4	-	-	54	-21.6	1	200	V
6	25.386955	46.11	PK2	34.3	-62.7	28.1	0	45.81	74	-28.19	-	-	1	101	V
	25.388869	34.57	MAv1	34.3	-62.7	28.1	1.09	35.36	-	-	54	-18.64	1	101	V

* - 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.

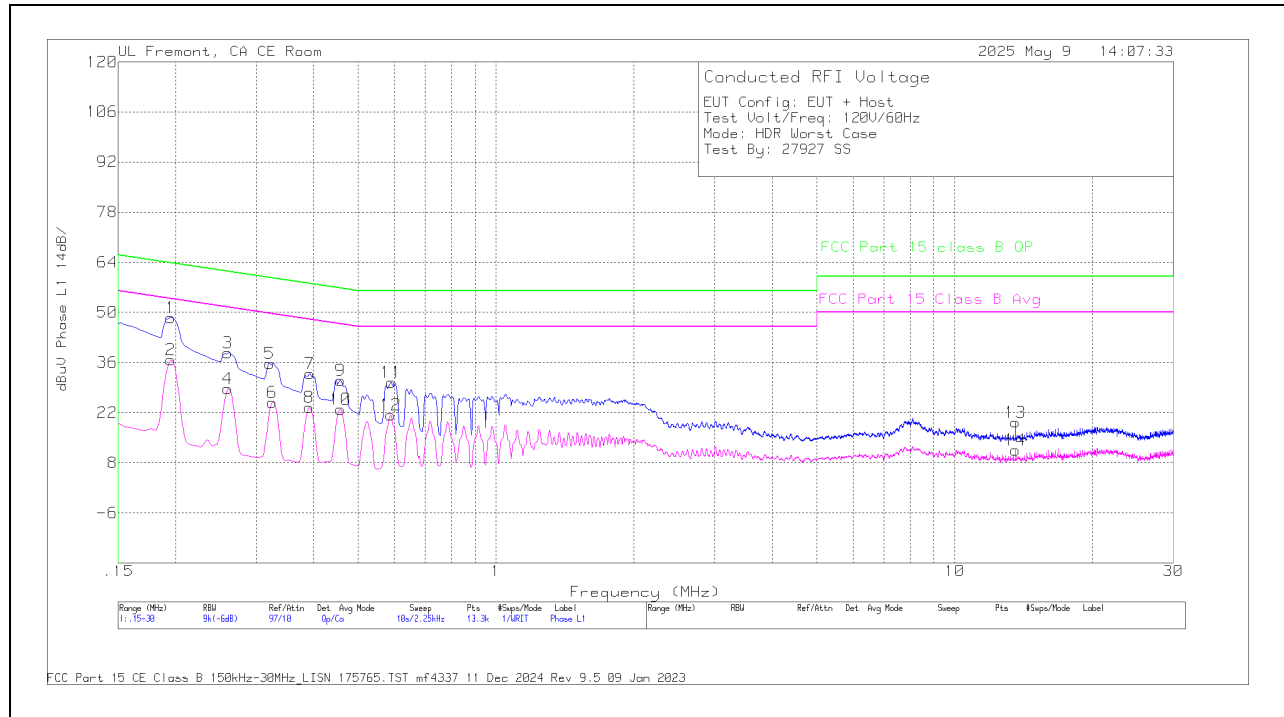
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS

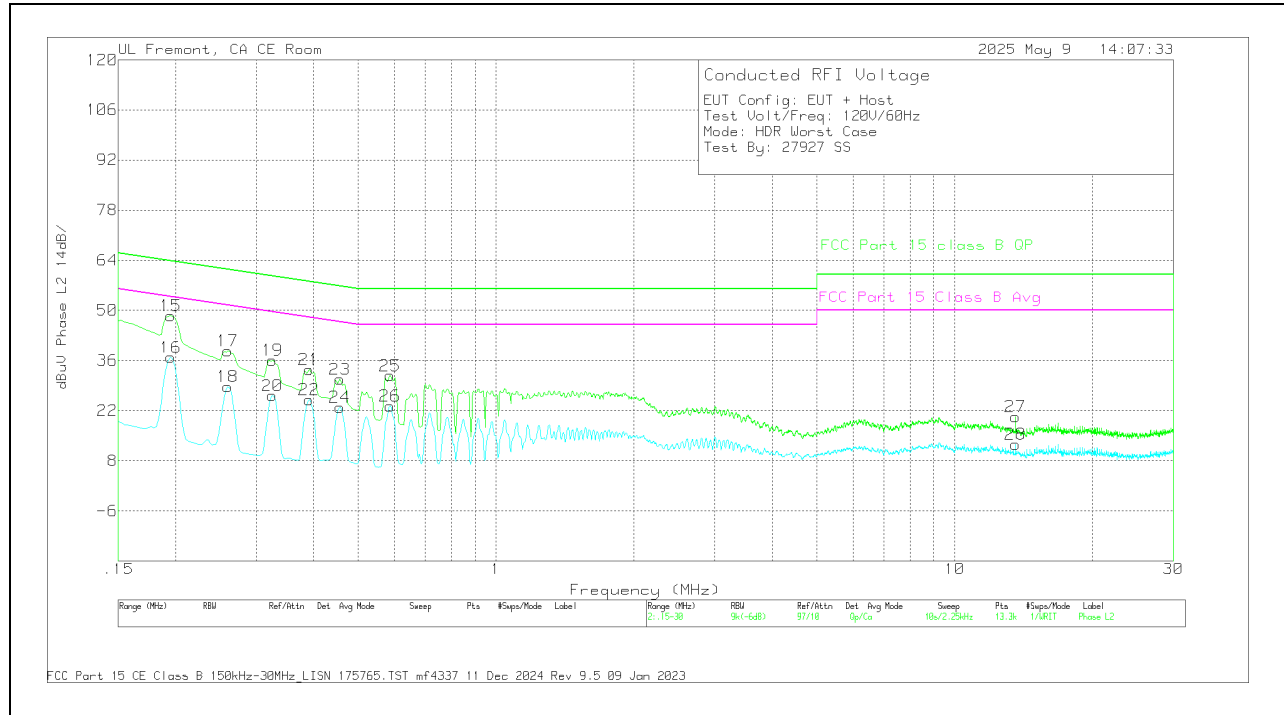


Range 1: Phase L1 0.15 - 30MHz													
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	DCCF (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.195	17.03	Ca	-.1	.1	8.4	10	1.09	36.72	53.82	-17.1	-	-
4	.2603	9.47	Ca	-.1	0	8.2	10	1.09	28.66	51.42	-22.76	-	-
6	.3255	5.81	Ca	-.2	0	8.2	10	1.09	24.9	49.57	-24.67	-	-
8	.3919	4.59	Ca	-.5	0	8.3	10	1.09	23.48	48.02	-24.54	-	-
10	.4583	2.95	Ca	.2	0	8.7	10	1.09	22.94	46.72	-23.78	-	-
12	.5888	2.38	Ca	-.2	0	8.1	10	1.09	21.37	46	-24.63	-	-
14	13.56	-8.04	Ca	.2	.1	8.2	10	1.09	11.55	50	-38.45	-	-
1	.195	28.78	Qp	.1	.1	8.4	10	1.09	48.47	-	-	63.82	-15.35
3	.2603	19.47	Qp	-.1	0	8.2	10	1.09	38.66	-	-	61.42	-22.76
5	.321	16.65	Qp	-.2	0	8.2	10	1.09	35.74	-	-	59.68	-23.94
7	.393	13.98	Qp	-.5	0	8.3	10	1.09	32.87	-	-	58	-25.13
9	.4583	11.06	Qp	.2	0	8.7	10	1.09	31.05	-	-	56.72	-25.67
11	.591	11.54	Qp	-.2	0	8.1	10	1.09	30.53	-	-	56	-25.47
13	13.56	-.27	Qp	.2	.1	8.2	10	1.09	19.32	-	-	60	-40.68

Qp - Quasi-Peak detector
Ca - CISPR average detection

*Indicates UL RFID Signal. Not from device.

LINE 2 RESULTS



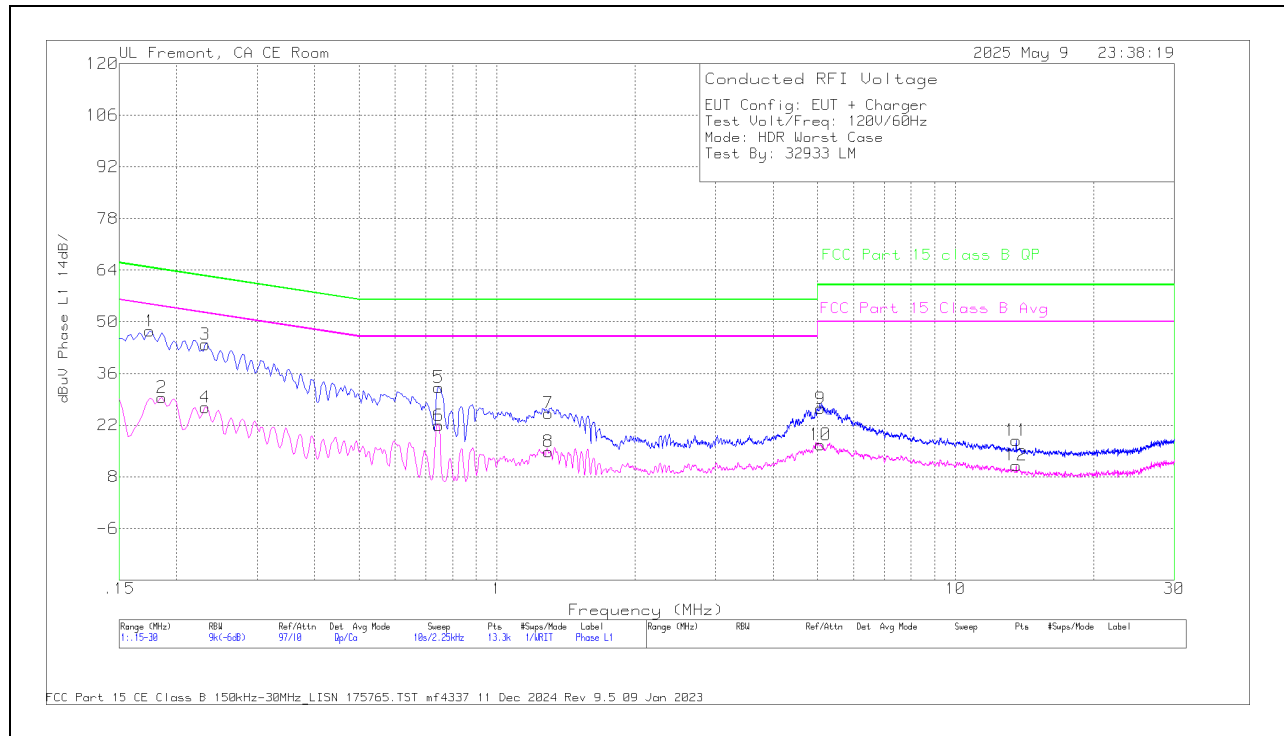
Range 2: Phase L2 .15 - 30MHz													
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	DCCF (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B OP (dBuV)	Margin (dB)
16	.195	17.27	Ca	.1	0	8.4	10	1.09	36.86	53.82	-16.96	-	-
18	.2603	9.56	Ca	-.1	0	8.2	10	1.09	28.75	51.42	-22.67	-	-
20	.3255	7.08	Ca	-.2	0	8.2	10	1.09	26.17	49.57	-23.4	-	-
22	.3908	6.15	Ca	-.5	0	8.3	10	1.09	25.04	48.05	-23.01	-	-
24	.456	2.83	Ca	.2	0	8.8	10	1.09	22.92	46.77	-23.85	-	-
26	.5865	4.31	Ca	-.2	0	8.1	10	1.09	23.3	46	-22.7	-	-
28	13.56	-7.02	Ca	.2	.1	8.2	10	1.09	12.57	50	-37.43	-	-
15	.195	28.95	Qp	.1	0	8.4	10	1.09	48.54	-	-	63.82	-15.28
17	.2603	19.45	Qp	-.1	0	8.2	10	1.09	38.64	-	-	61.42	-22.78
19	.3255	17.03	Qp	-.2	0	8.2	10	1.09	36.12	-	-	59.57	-23.45
21	.3908	14.56	Qp	-.5	0	8.3	10	1.09	33.45	-	-	58.05	-24.6
23	.456	10.64	Qp	.2	0	8.8	10	1.09	30.73	-	-	56.77	-26.04
25	.5865	12.78	Qp	-.2	0	8.1	10	1.09	31.77	-	-	56	-24.23
27	13.56	.66	Qp	.2	.1	8.2	10	1.09	20.25	-	-	60	-39.75

Qp - Quasi-Peak detector
Ca - CISPR average detection

*Indicates UL RFID Signal. Not from device.

11.2. AC POWER LINE WITH AC/DC ADAPTER

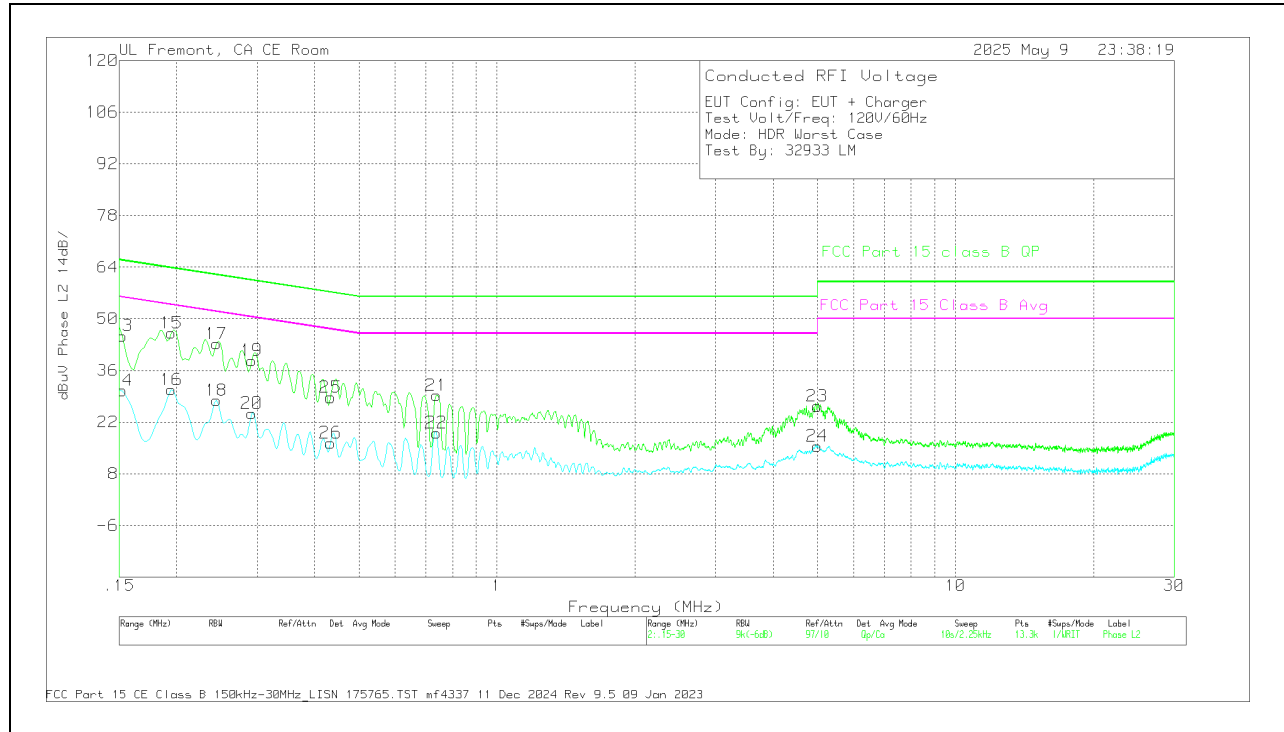
LINE 1 RESULTS



Qp - Quasi-Peak detector
Ca - CISPR average detection

*Indicates UL RFID Signal. Not from device.

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)
14	.1523	11.45	Ca	.5	.1	8.5	10	30.55	55.88	-25.33	-	-
16	.195	12.26	Ca	.1	0	8.4	10	30.76	53.82	-23.06	-	-
18	.2445	9.77	Ca	-.1	0	8.2	10	27.87	51.94	-24.07	-	-
20	.2918	6.35	Ca	0	0	8	10	24.35	50.47	-26.12	-	-
22	.7373	.48	Ca	.1	0	8.5	10	19.08	46	-26.92	-	-
24	4.9943	-2.79	Ca	0	0	8.3	10	15.51	46	-30.49	-	-
26	.4335	-2.35	Ca	0	0	8.7	10	16.35	47.19	-30.84	-	-
13	.1523	26.27	Qp	.5	.1	8.5	10	45.37	-	-	65.88	-20.51
15	.195	27.64	Qp	.1	0	8.4	10	46.14	-	-	63.82	-17.68
17	.2445	25.1	Qp	-.1	0	8.2	10	43.2	-	-	61.94	-18.74
19	.2918	20.65	Qp	0	0	8	10	38.65	-	-	60.47	-21.82
21	.7373	10.64	Qp	.1	0	8.5	10	29.24	-	-	56	-26.76
23	4.9943	8.01	Qp	0	0	8.3	10	26.31	-	-	56	-29.69
25	.4335	10	Qp	0	0	8.7	10	28.7	-	-	57.19	-28.49

Qp - Quasi-Peak detector

Ca - CISPR average detection

*Indicates UL RFID Signal. Not from device.

13. SETUP PHOTOS

Please refer to 15496277-EP1 for setup photos

APPENDIX A – SPOT CHECK EVALUATION

MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3258, A3519, A3520 and A3521.

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

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3258	BCG-E8947A	579C-E8947A	-With FR2 -No B11/21 -No UL MIMO	eSIM	-
A3519	BCG-E8951A	579C-E8951A	-Without FR2 -Added B11/21 -No UL MIMO	eSIM	A3258
A3520	BCG-E8952A	579C-E8952A	-Without FR2 -No B14, B29, B71, B11/21 -No UL MIMO	eSIM+pSIM	
A3521	BCG-E8953A	579C-E8953A	-Without FR2 -No B14, B29, B71, B11/21, B53 -No UL MIMO, MSS	pSIM+pSIM	

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

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

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

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

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

SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3519

A3519 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency	Original Model: A3258	Sub Model: A3519	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E8947A IC : 579C-E8947A	FCC ID : BCG-E8951A IC : 579C-E8951A			
DTS / HDR	2.4	HDR4, TxBF	4 Mbps	Output Power (dBm)	High	Fundamental	18.97	18.91	-0.06	-11.03	Note 1
		HDR4, ANT4, AVG, Horiz.	4 Mbps	Radiated Bandedge (dBuV/m)	High	2.483507 GHz	49.65	49.36	-0.29	-4.35	Note 1
		HDR8, TxBF	8 Mbps	* RSE (dBuV/m)	Low	2.280607 (GHz)	43.28	43.41	0.13	-10.72	Note 1

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

* 1-18GHz RSE mostly are noise floor and so the spot check was done against the emission captured in restricted band again

SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3520

A3520 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency	Original Model: A3258	Sub Model: A3520	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E8947A IC : 579C-E8947A	FCC ID : BCG-E8952A IC : 579C-E8952A			
DTS / HDR	2.4	HDR4, TxBF	4 Mbps	Output Power (dBm)	High	Fundamental	18.97	18.89	-0.08	-11.03	Note 1
		HDR4, ANT4, AVG, Horiz.	4 Mbps	Radiated Bandedge (dBuV/m)	High	2.483507 GHz	49.65	51.89	2.24	-4.35	Note 1
		HDR8, TxBF	8 Mbps	* RSE (dBuV/m)	Low	2.280607 (GHz)	43.28	43.65	0.37	-10.72	Note 1

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

* 1-18GHz RSE mostly are noise floor and so the spot check was done against the emission captured in restricted band again

SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3521

A3521 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency	Original Model: A3258	Sub Model: A3521	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E8947A IC : 579C-E8947A	FCC ID : BCG-E8953A IC : 579C-E8953A			
DTS / HDR	2.4	HDR4, TxBF	4 Mbps	Output Power (dBm)	High	Fundamental	18.97	18.80	-0.17	-11.03	Note 1
		HDR4, ANT4, AVG, Horiz.	4 Mbps	Radiated Bandedge (dBuV/m)	High	2.483507 GHz	49.65	51.26	1.61	-4.35	Note 1
		HDR8, TxBF	8 Mbps	* RSE (dBuV/m)	Low	2.280607 (GHz)	43.28	43.45	0.17	-10.72	Note 1

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

* 1-18GHz RSE mostly are noise floor and so the spot check was done against the emission captured in restricted band again

END OF REPORT