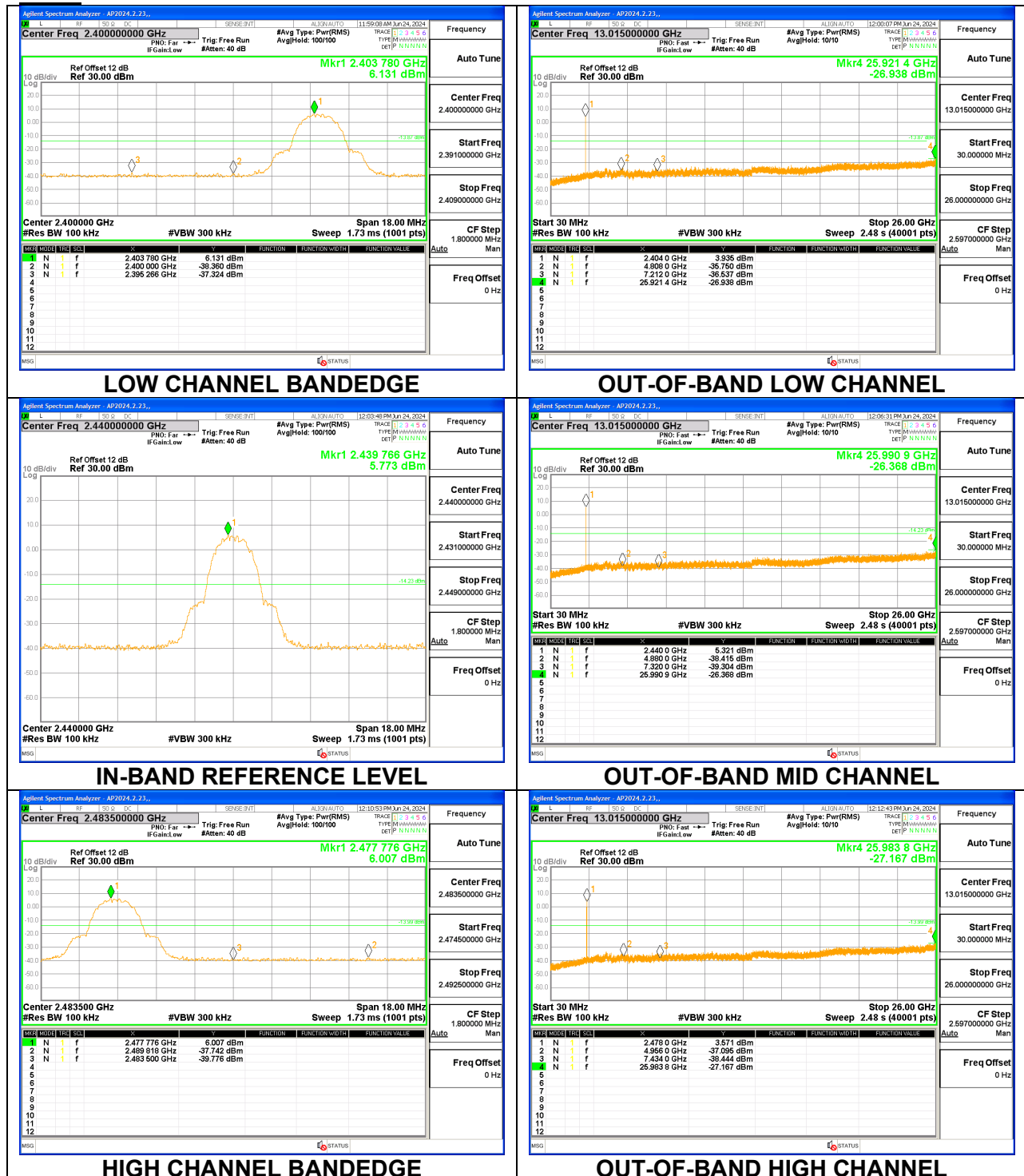
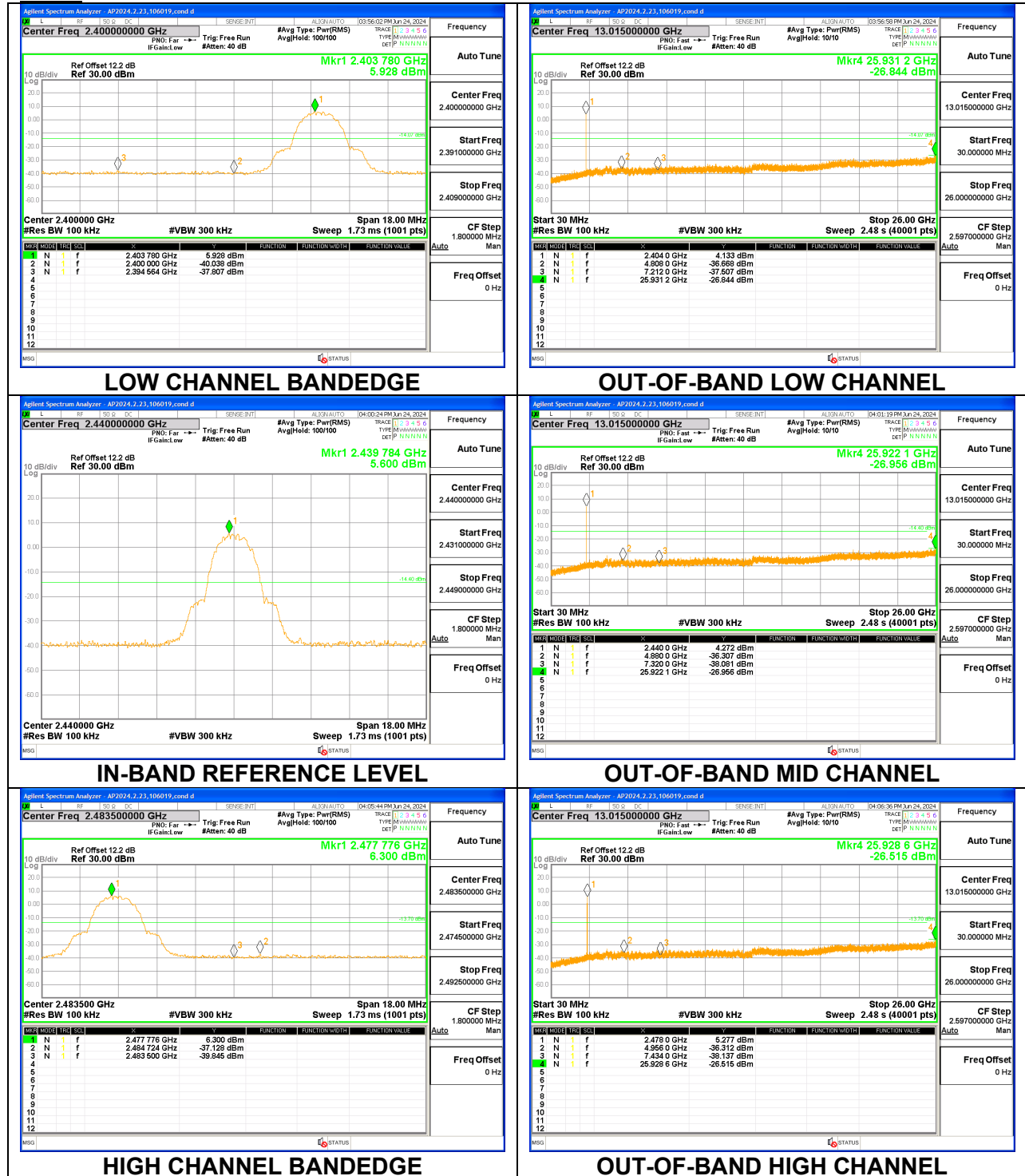


9.7.7. LOW POWER BLE (2Mbps)

ANT 4

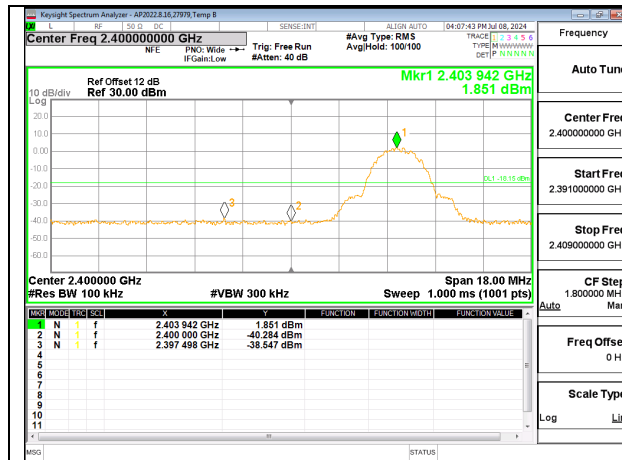


ANT 3

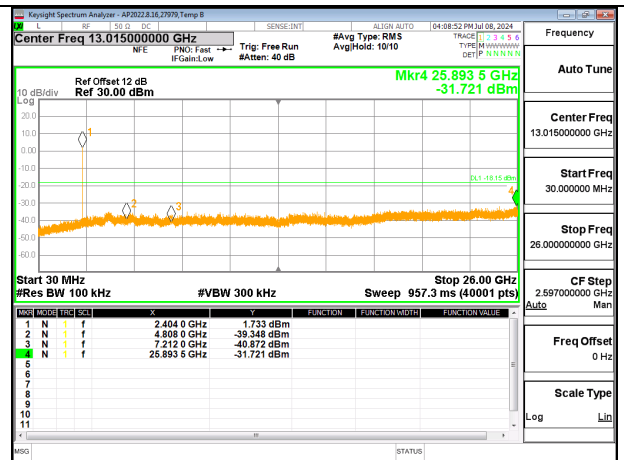


9.7.8. LOW POWER BLE TXBF (2Mbps)

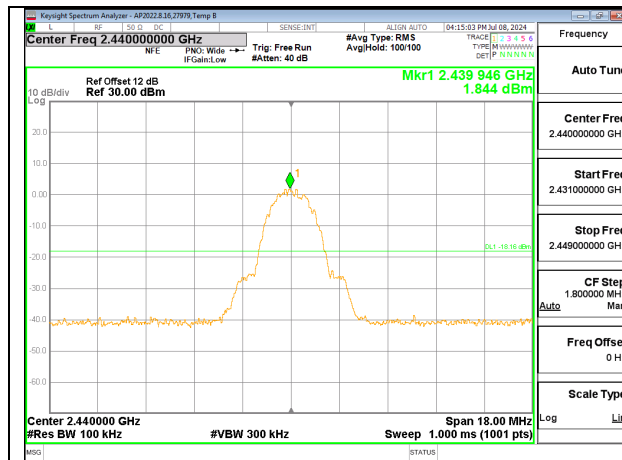
Note: Test procedures and setting are same as BLE normal mode.



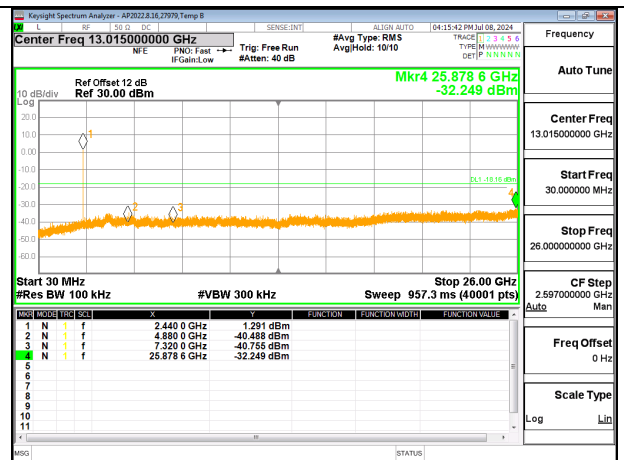
LOW CHANNEL, BANDEDGE ANT 4



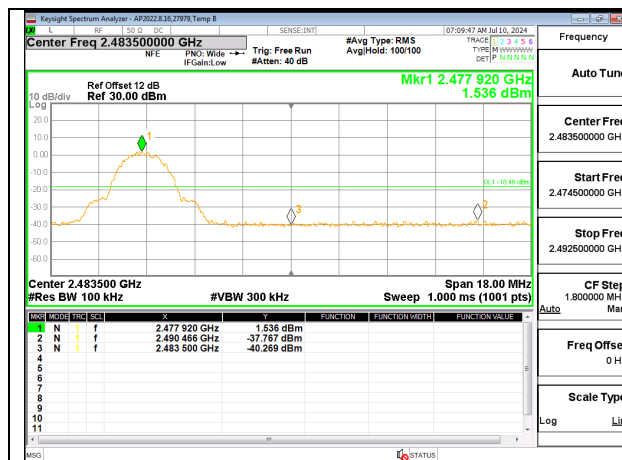
LOW CHANNEL OUT-OF-BAND ANT 4



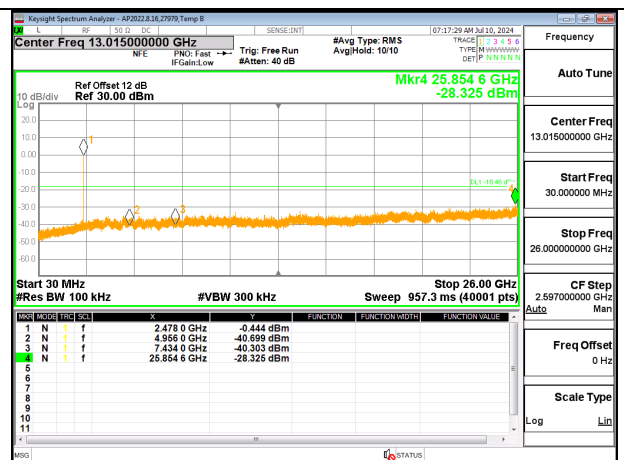
MID CHANNEL REFERENCE ANT 4



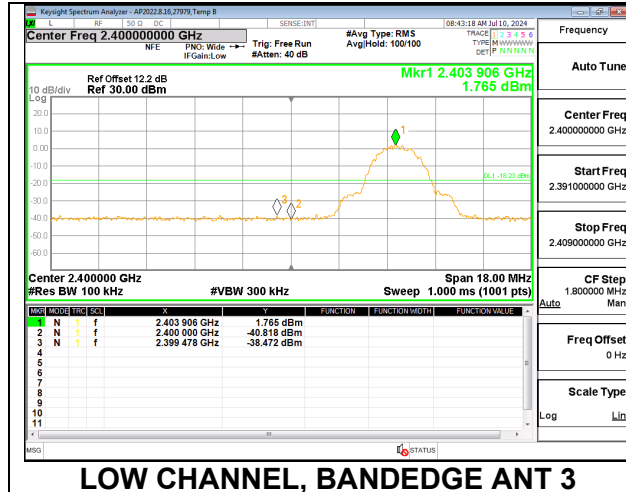
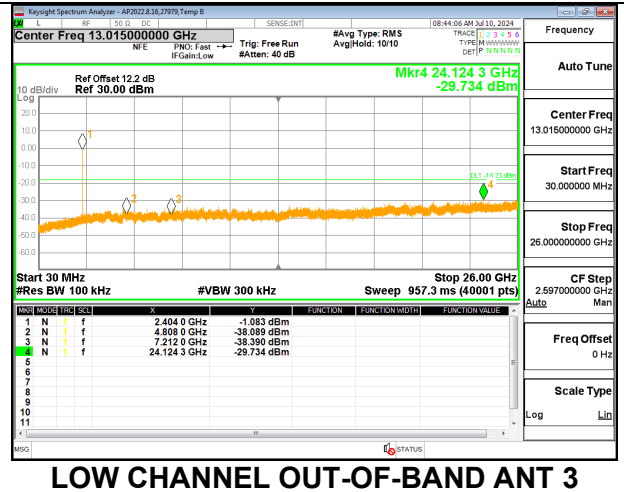
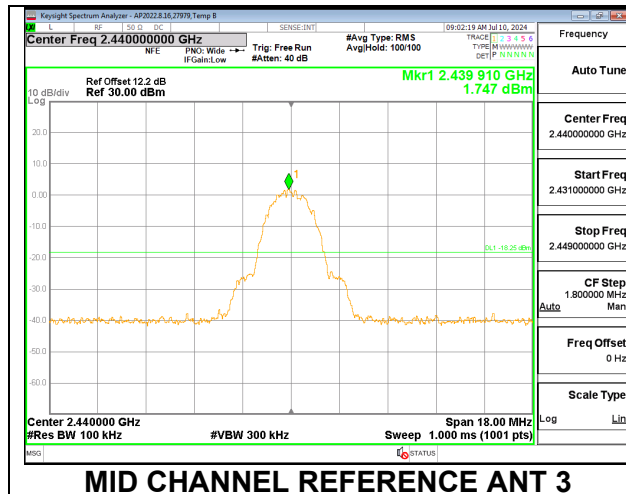
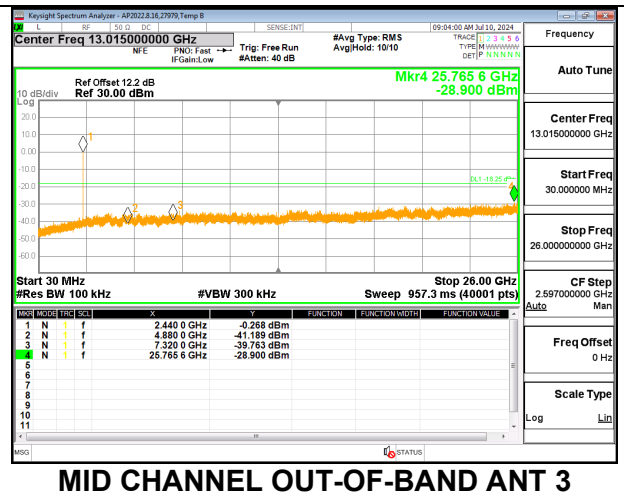
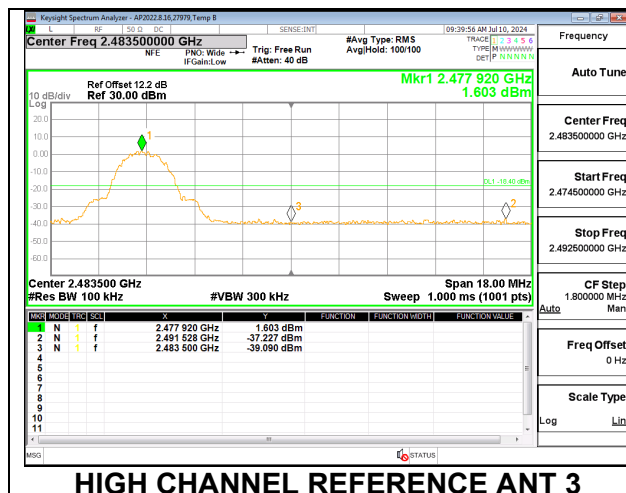
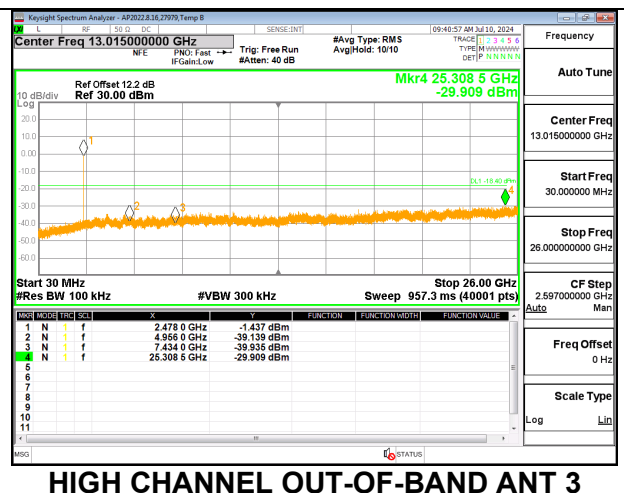
MID CHANNEL OUT-OF-BAND ANT 4



HIGH CHANNEL BANDEDGE ANT 4



HIGH CHANNEL OUT-OF-BAND ANT 4

LOW POWER (2Mbps)**LOW CHANNEL, BANDEDGE ANT 3****LOW CHANNEL OUT-OF-BAND ANT 3****MID CHANNEL REFERENCE ANT 3****MID CHANNEL OUT-OF-BAND ANT 3****HIGH CHANNEL REFERENCE ANT 3****HIGH CHANNEL OUT-OF-BAND 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.

2D antenna use - 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.

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.

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

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

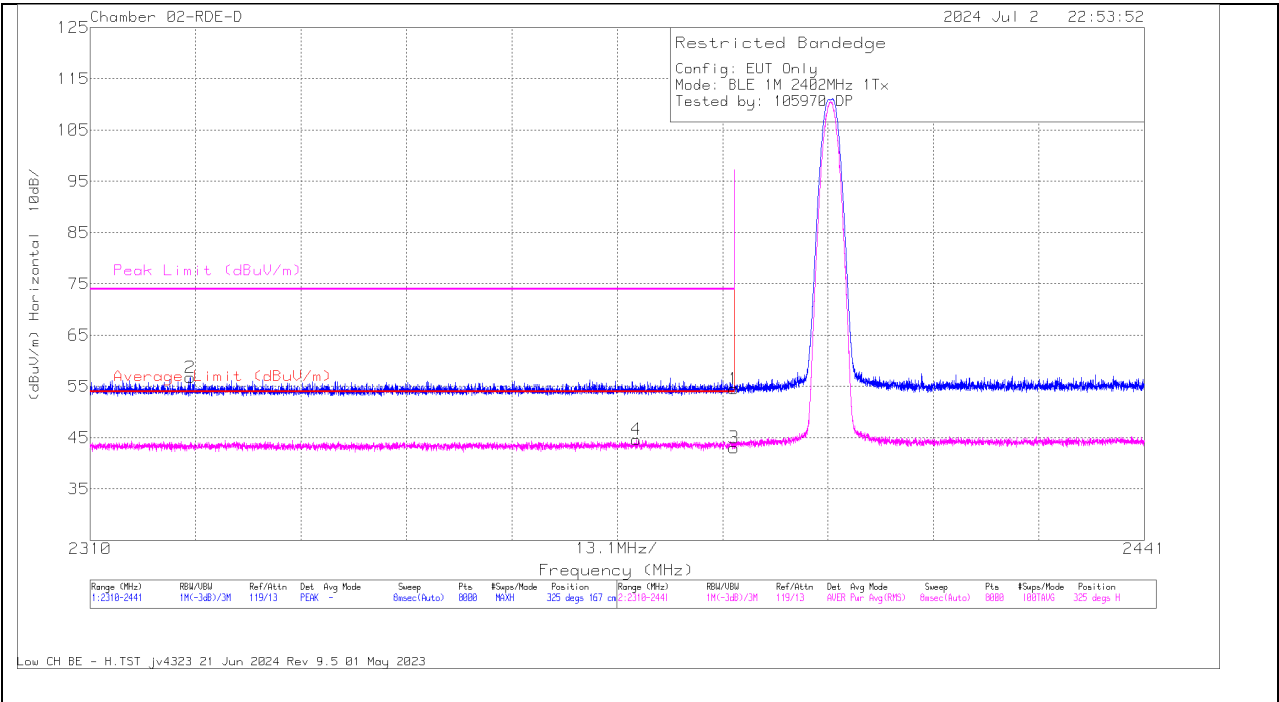
10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. HIGH POWER BLE (1Mbps)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



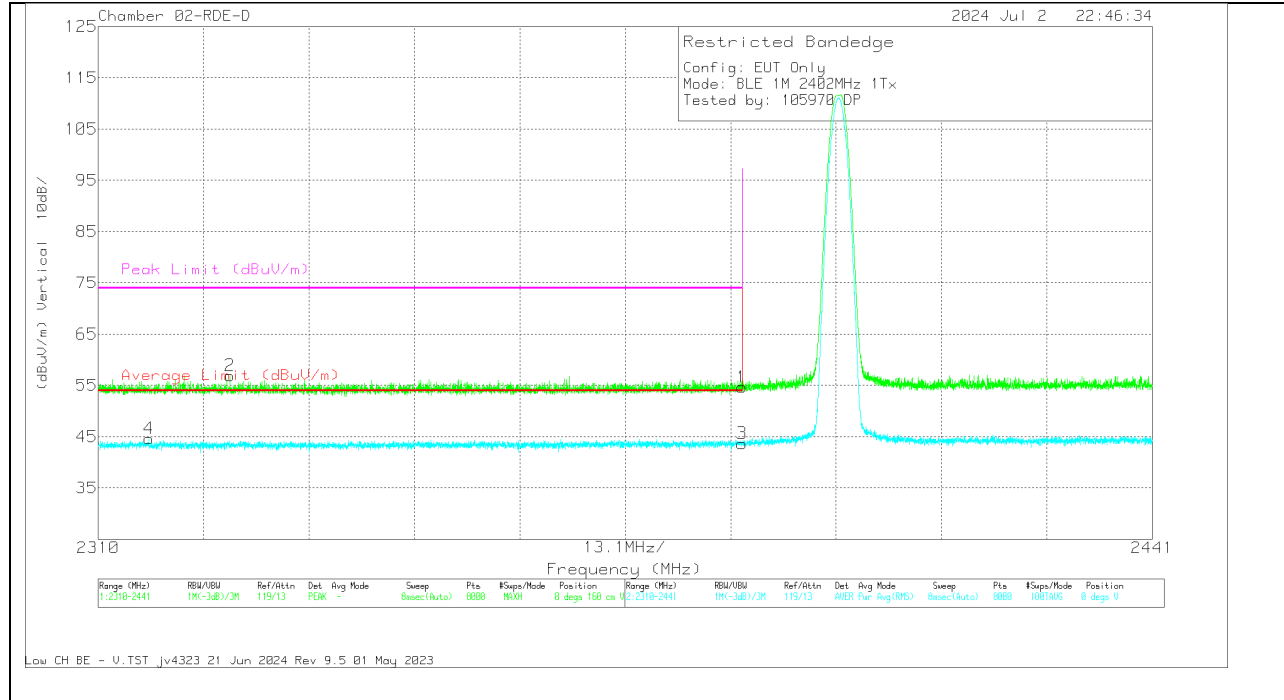
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200996 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.94	Pk	32.2	-19.6	54.54	-	-	74	-19.46	325	167	H
2	* 2322.43	44.53	Pk	32	-19.8	56.73	-	-	74	-17.27	325	167	H
3	* 2390	30.42	RMS	32.2	-19.6	43.02	54	-10.98	-	-	325	167	H
4	* 2377.866	32.15	RMS	32.2	-19.7	44.65	54	-9.35	-	-	325	167	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

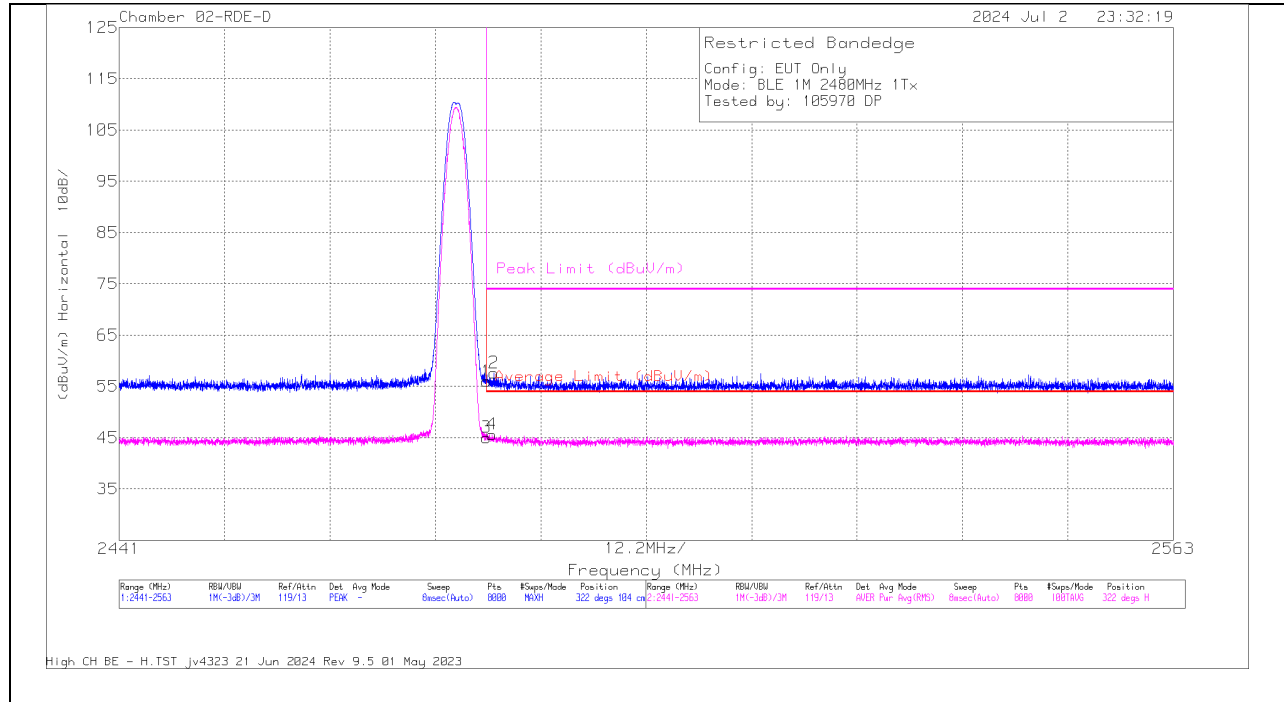


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	20096 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.06	PK	32.2	-19.6	54.66	-	-	74	-19.34	0	160	V
2	* 2326.377	44.6	PK	32	-19.7	56.9	-	-	74	-17.1	0	160	V
3	* 2390	31.06	RMS	32.2	-19.6	43.66	54	-10.34	-	-	0	160	V
4	* 2316.305	32.33	RMS	32	-19.7	44.63	54	-9.37	-	-	0	160	V

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

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

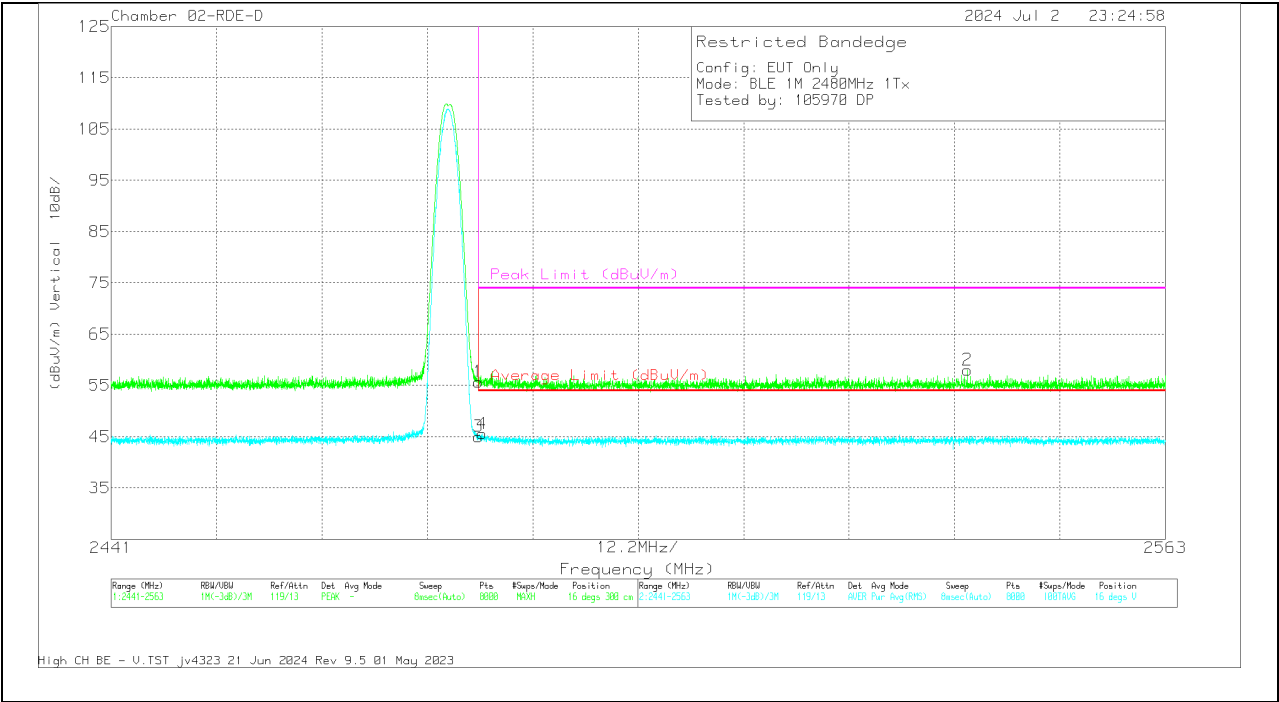
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.21	Pk	32.4	-19.6	56.01	-	-	74	-17.99	322	104	H
2	* 2484.392	44.83	Pk	32.4	-19.6	57.63	-	-	74	-16.37	322	104	H
3	* 2483.5	32.23	RMS	32.4	-19.6	45.03	54	-8.97	-	-	322	104	H
4	* 2484.148	32.84	RMS	32.4	-19.6	45.64	54	-8.36	-	-	322	104	H

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

Pk - Peak detector

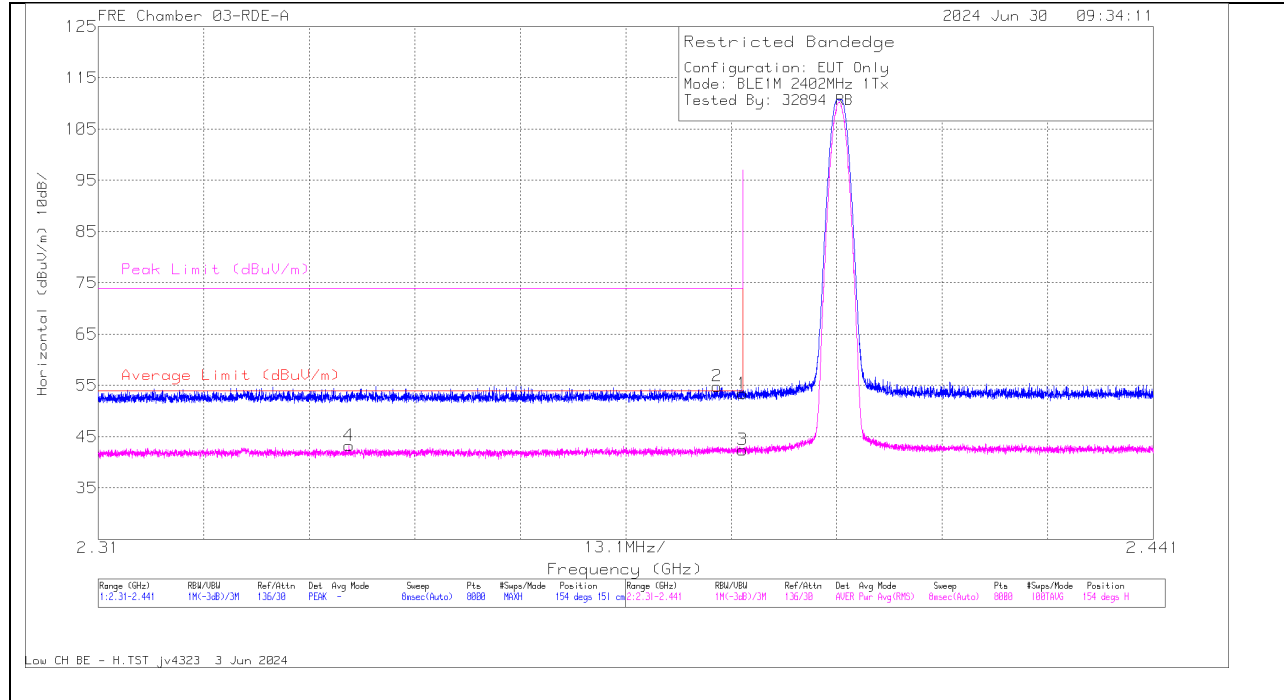
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.87	Pk	32.4	-19.6	55.67	-	-	74	-18.33	16	300	V
3	* 2483.5	32.23	RMS	32.4	-19.6	45.03	54	-8.97	-	-	16	300	V
4	* 2483.95	32.77	RMS	32.4	-19.6	45.57	54	-8.43	-	-	16	300	V
2	2540.108	44.91	Pk	32.4	-19.3	58.01	-	-	74	-15.99	16	300	V

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

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

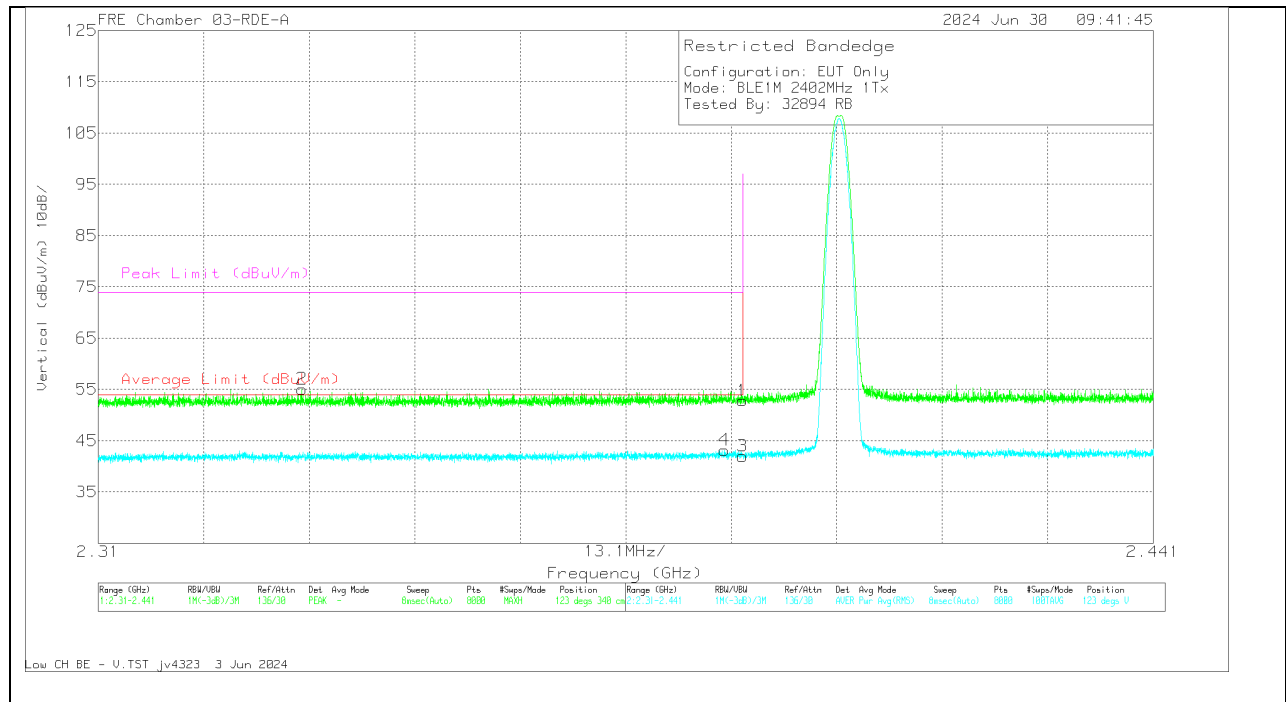
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.4	Pk	32.1	-40.07	53.43	-	-	74	-20.57	154	151	H
2	* 2.386857	62.8	Pk	32.1	-40.06	54.84	-	-	74	-19.16	154	151	H
3	* 2.39	50.43	RMS	32.1	-40.07	42.46	54	-11.54	-	-	154	151	H
4	* 2.341149	51.42	RMS	32	-40.15	43.27	54	-10.73	-	-	154	151	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

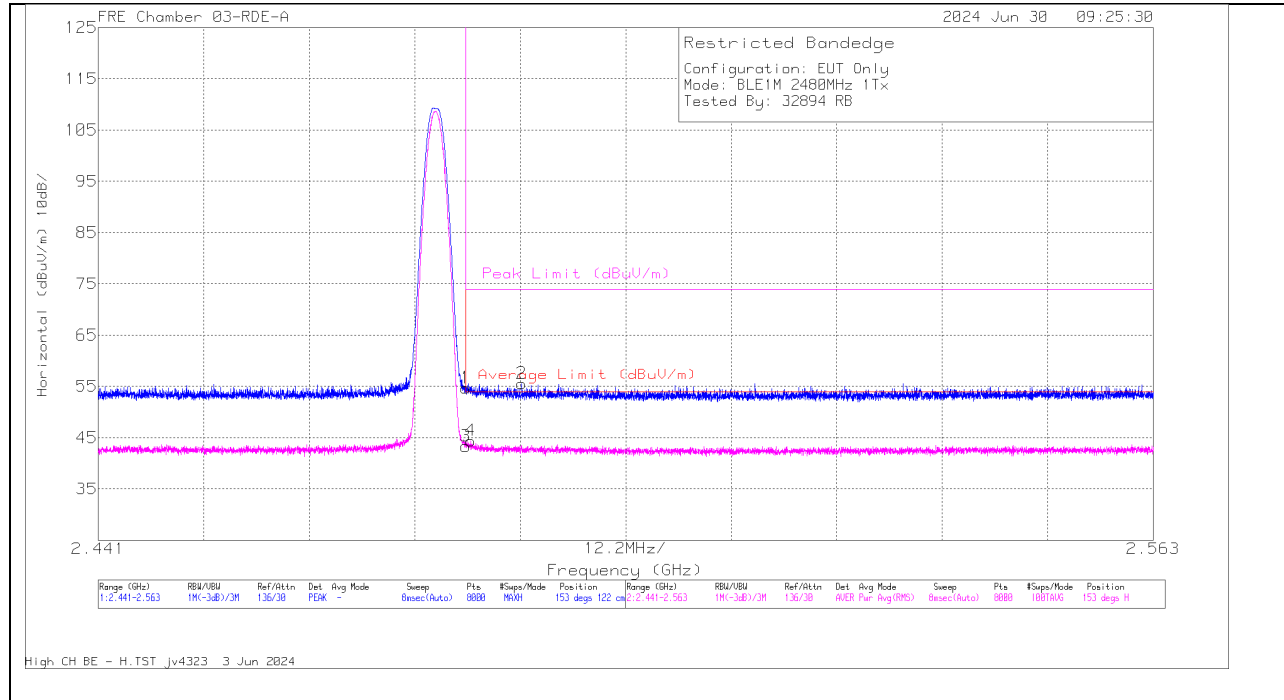


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.79	PK	32.1	-40.07	52.82	-	-	74	-21.18	123	340	V
2	* 2.335302	63.26	PK	32	-40.19	55.07	-	-	74	-18.93	123	340	V
3	* 2.39	49.96	RMS	32.1	-40.07	41.99	54	-12.01	-	-	123	340	V
4	* 2.387742	51.13	RMS	32.1	-40.05	43.18	54	-10.82	-	-	123	340	V

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

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

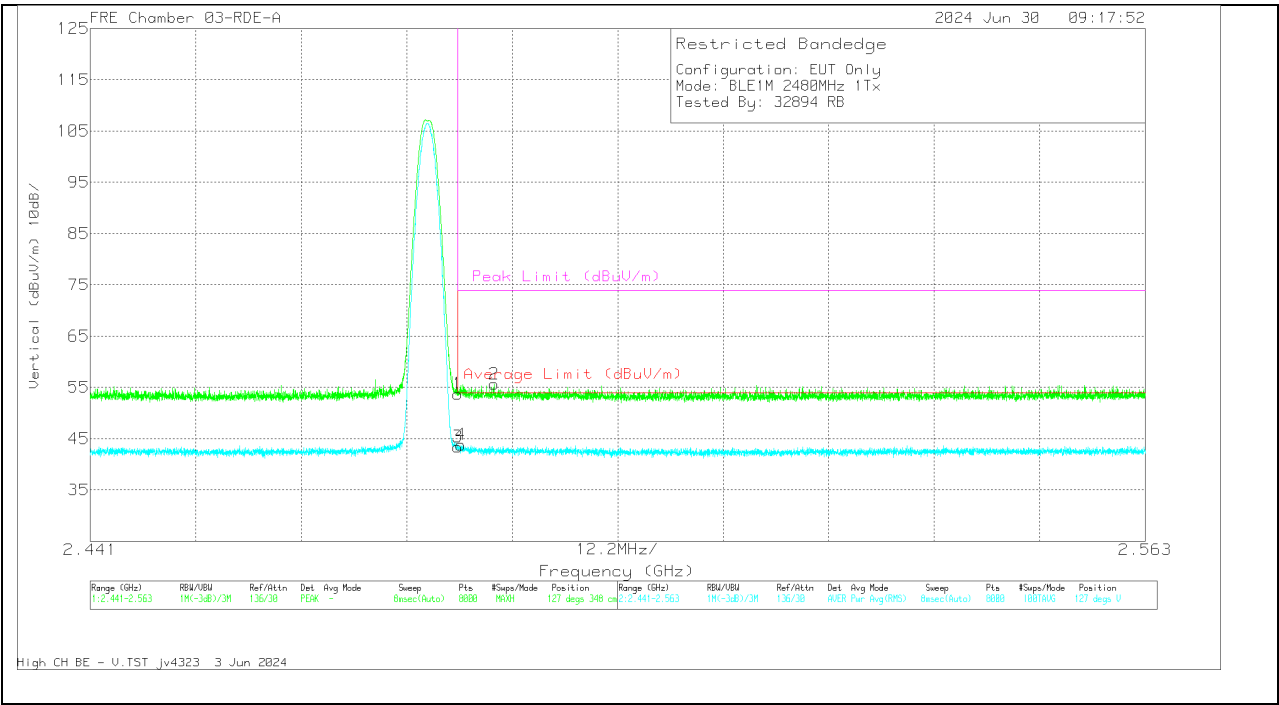
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62.33	PK	32.2	-39.84	54.69	-	-	74	-19.31	153	122	H
2	* 2.489989	63.01	PK	32.3	-39.76	55.55	-	-	74	-18.45	153	122	H
3	* 2.4835	50.97	RMS	32.2	-39.84	43.33	54	-10.67	-	-	153	122	H
4	* 2.484072	52.05	RMS	32.2	-39.83	44.42	54	-9.58	-	-	153	122	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



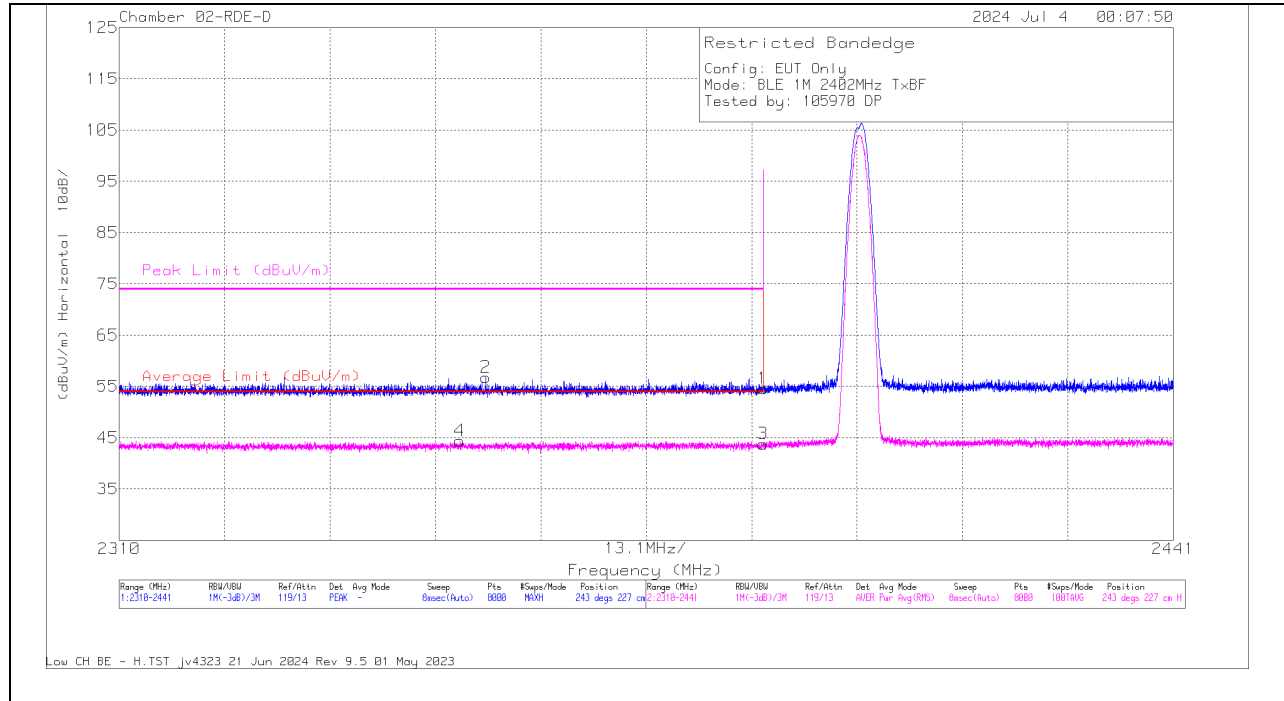
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.36	PK	32.2	-39.84	53.72	-	-	74	-20.28	127	348	V
2	* 2.487686	63.08	PK	32.3	-39.76	55.62	-	-	74	-18.38	127	348	V
3	* 2.4835	51.06	RMS	32.2	-39.84	43.42	54	-10.58	-	-	127	348	V
4	* 2.483873	51.44	RMS	32.2	-39.83	43.81	54	-10.19	-	-	127	348	V

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

10.2.2. HIGH POWER BLE TXBF (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



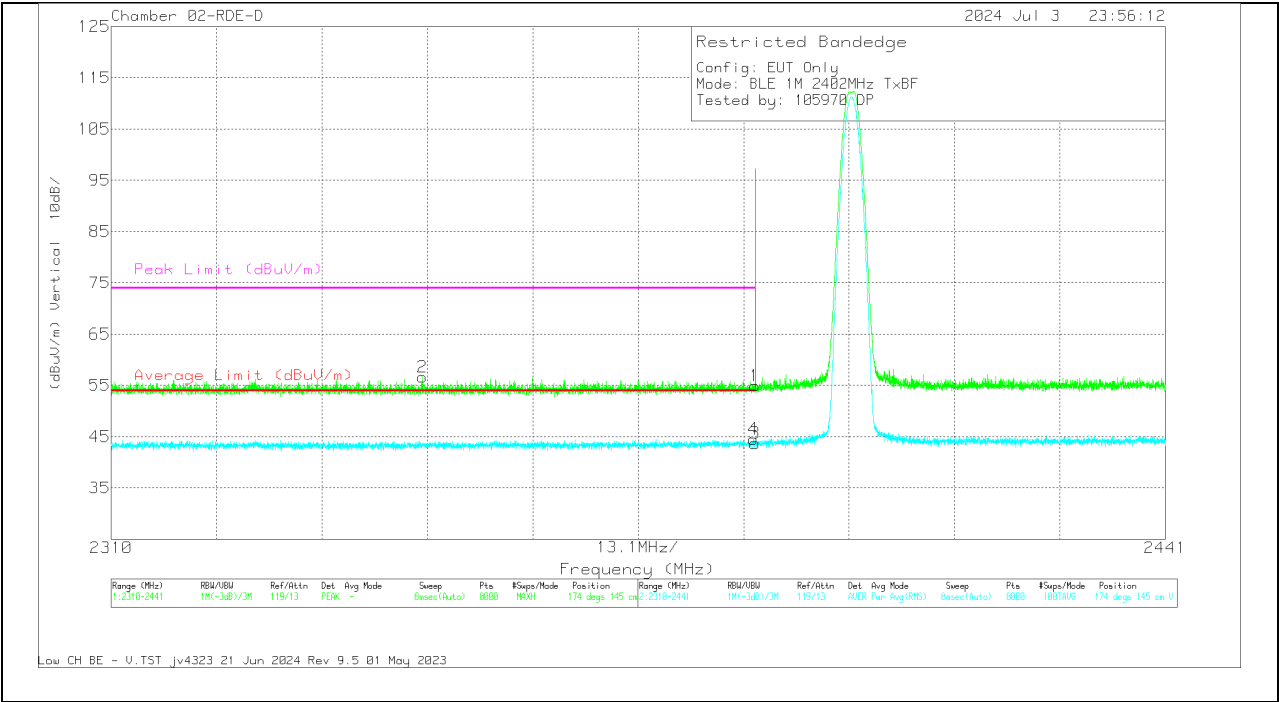
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42	Pk	32.2	-19.6	54.6	-	-	74	-19.4	243	227	H
2	* 2355.544	44.37	Pk	32.1	-19.7	56.77	-	-	74	-17.23	243	227	H
3	* 2390	31.21	RMS	32.2	-19.6	43.81	54	-10.19	-	-	243	227	H
4	* 2352.318	31.97	RMS	32.1	-19.7	44.37	54	-9.63	-	-	243	227	H

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

Pk - Peak detector

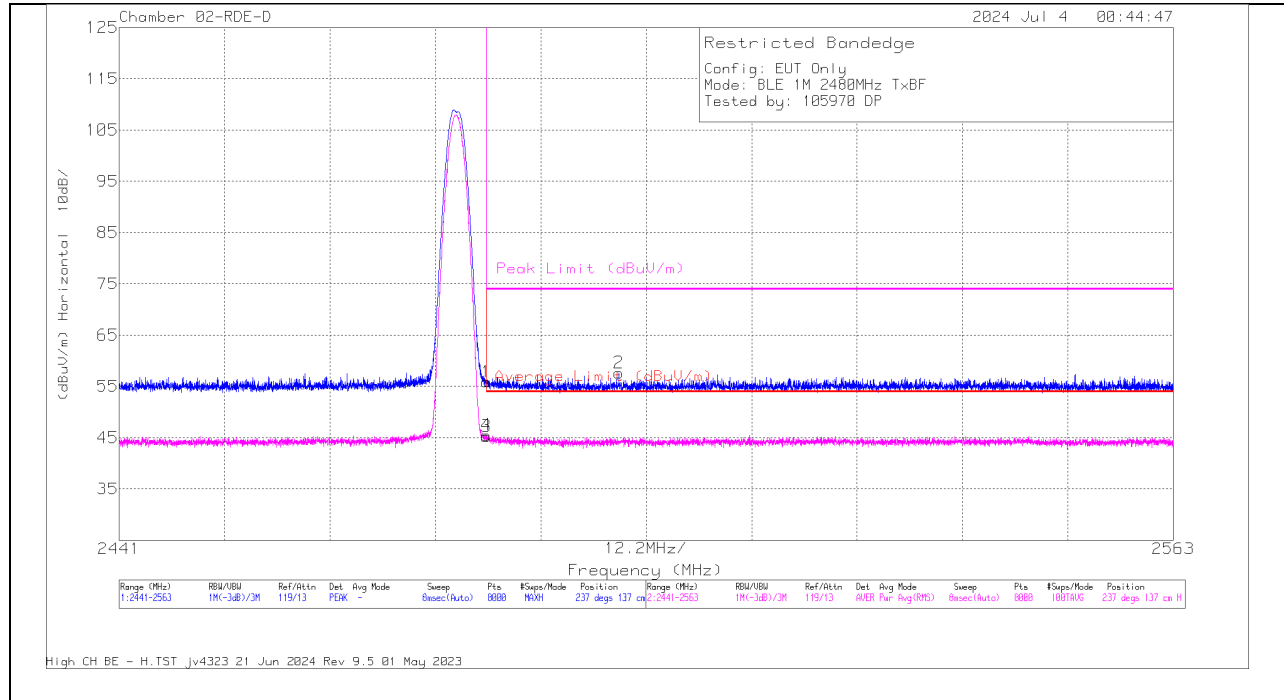
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	20096 ACF(dB/m)	AmplCbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 2390	42.29	Pk	32.2	-19.6	54.89	-	-	74	-19.11	174	145	V
2	* 2348.666	44.23	Pk	32.1	-19.7	56.63	-	-	74	-17.37	174	145	V
3	* 2390	31.1	RMS	32.2	-19.6	43.7	54	-10.3	-	-	174	145	V
4	* 2389.789	31.9	RMS	32.2	-19.6	44.5	54	-9.5	-	-	174	145	V

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

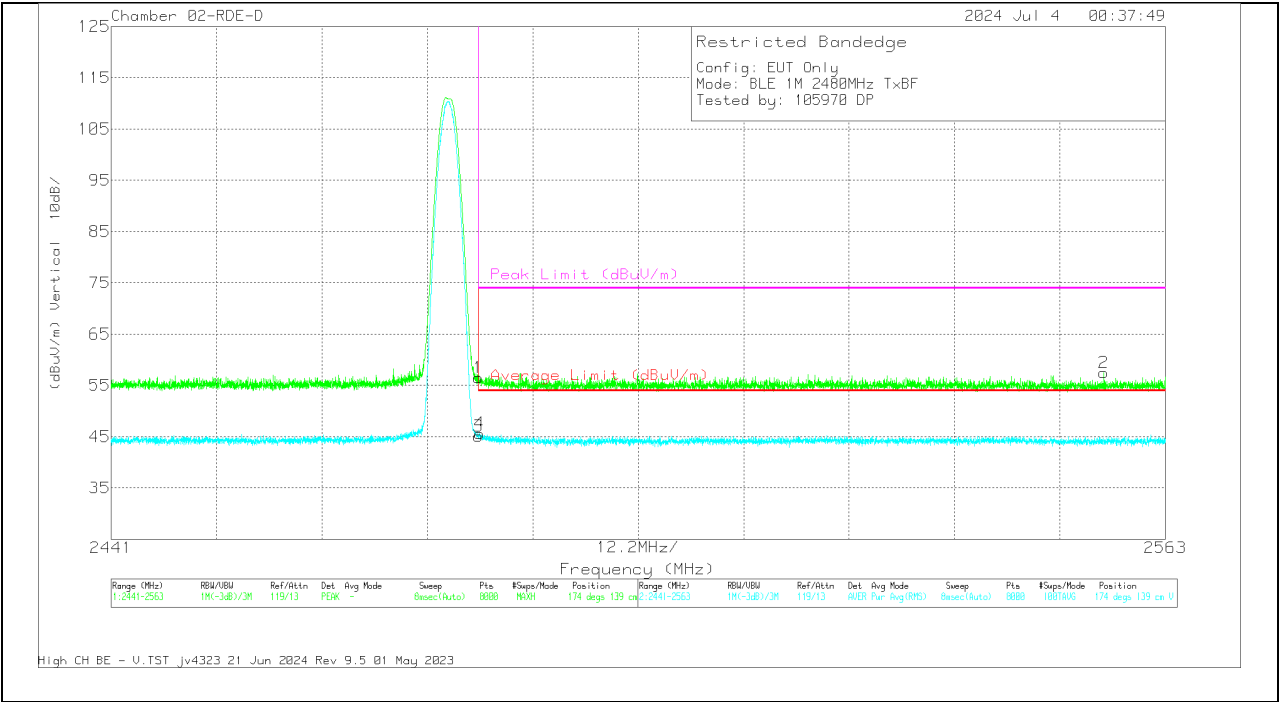
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.09	Pk	32.4	-19.6	55.89	-	-	74	-18.11	237	137	H
2	* 2498.82	44.64	Pk	32.4	-19.4	57.64	-	-	74	-16.36	237	137	H
3	* 2483.5	32.45	RMS	32.4	-19.6	45.25	54	-8.75	-	-	237	137	H
4	* 2483.507	32.69	RMS	32.4	-19.6	45.49	54	-8.51	-	-	237	137	H

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

PK - Peak detector

RMS - RMS detection

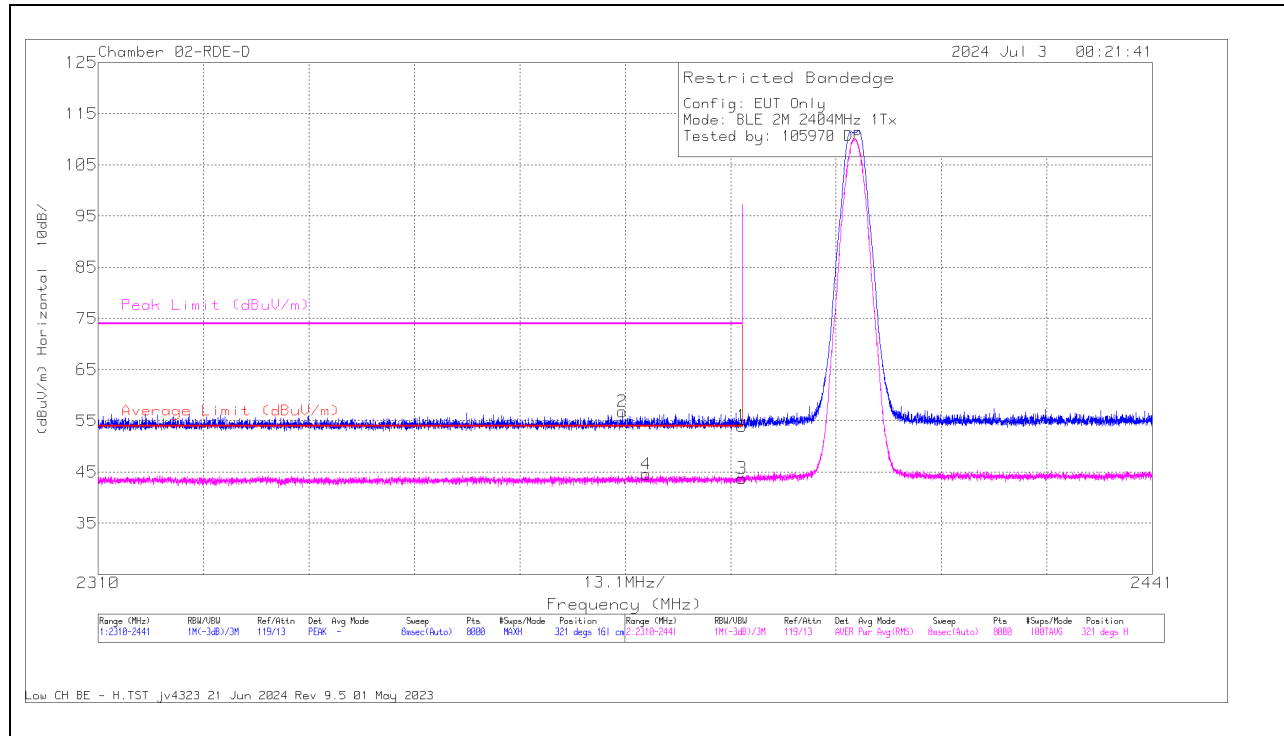
VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.68	Pk	32.4	-19.6	56.48	-	-	74	-17.52	174	139	V
3	* 2483.5	32.28	RMS	32.4	-19.6	45.08	54	-8.92	-	-	174	139	V
4	* 2483.66	32.8	RMS	32.4	-19.6	45.6	54	-8.4	-	-	174	139	V
2	2555.878	44.48	Pk	32.3	-19.3	57.48	-	-	74	-16.52	174	139	V

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

10.2.3. HIGH POWER BLE (2Mbps)

ANT 4**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

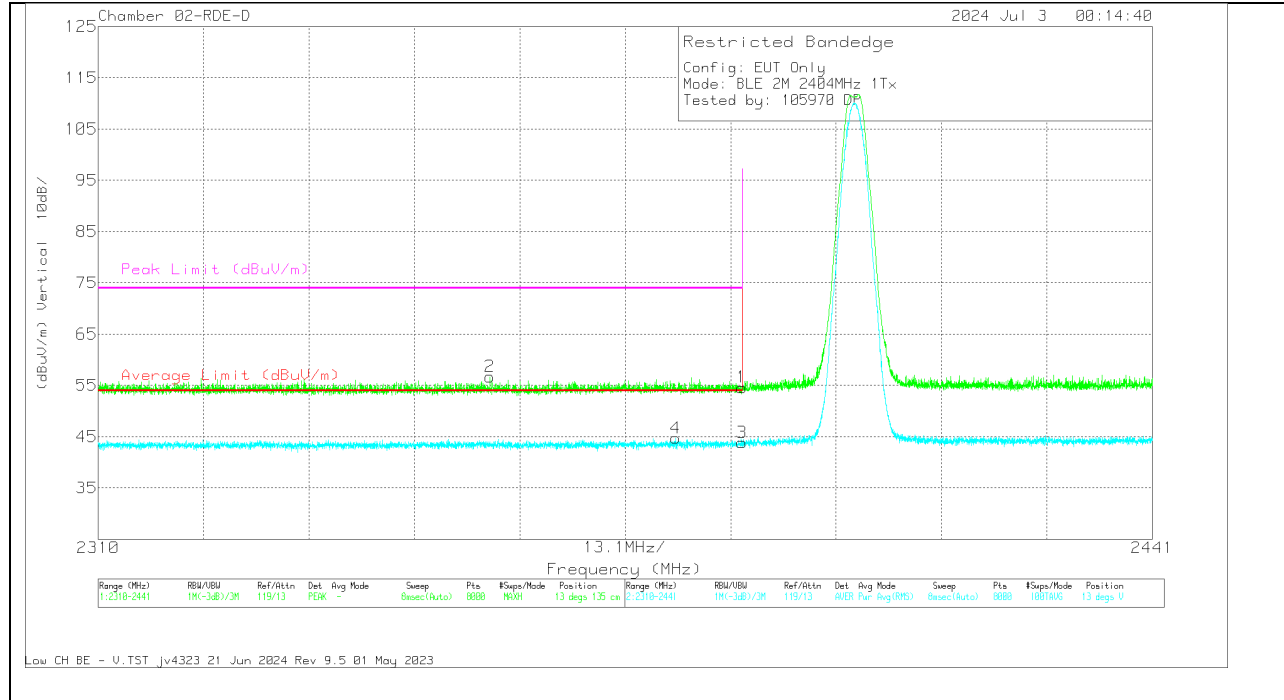
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.41	Pk	32.2	-19.6	54.01	-	-	74	-19.99	321	161	H
2	* 2375.164	44.32	Pk	32.2	-19.7	56.82	-	-	74	-17.18	321	161	H
3	* 2390	31.16	RMS	32.2	-19.6	43.76	54	-10.24	-	-	321	161	H
4	* 2378.128	32.06	RMS	32.2	-19.7	44.56	54	-9.44	-	-	321	161	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

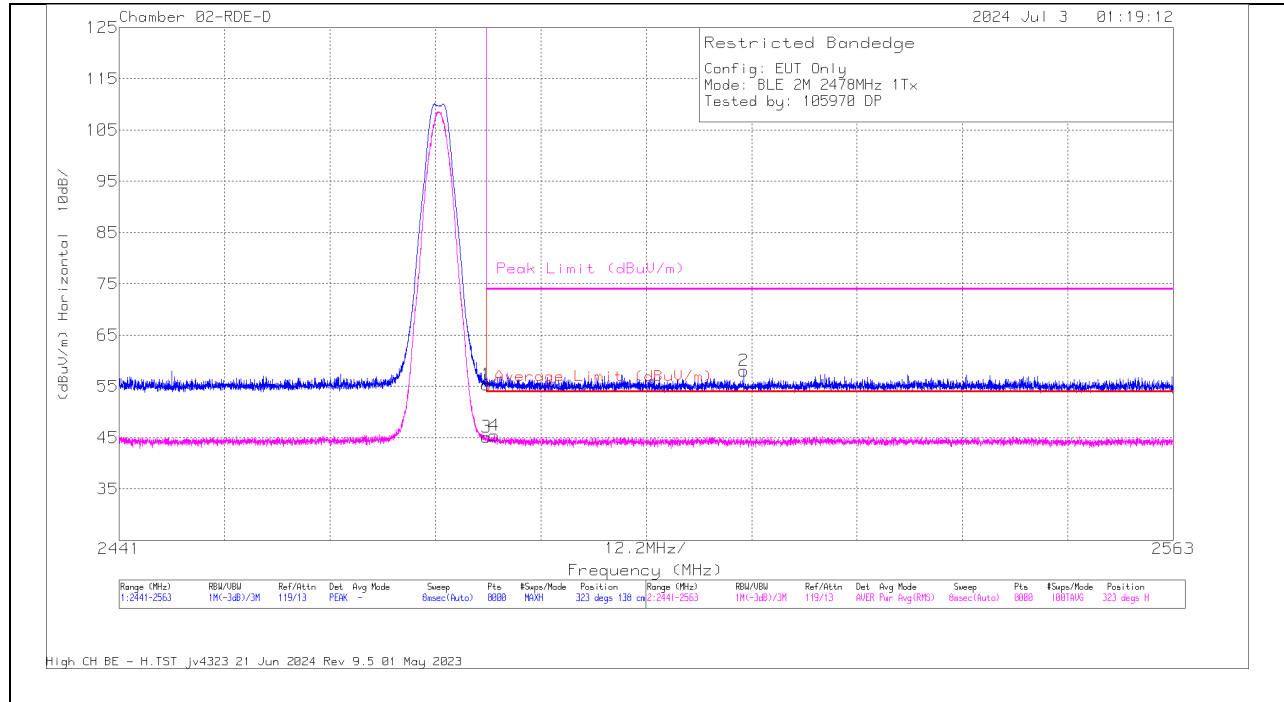


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	20096 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42	Pk	32.2	-19.6	54.6	-	-	74	-19.4	13	135	V
2	* 2358.689	44.3	Pk	32.1	-19.7	56.7	-	-	74	-17.3	13	135	V
3	* 2390	31.24	RMS	32.2	-19.6	43.84	54	-10.16	-	-	13	135	V
4	* 2381.78	32.23	RMS	32.2	-19.7	44.73	54	-9.27	-	-	13	135	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

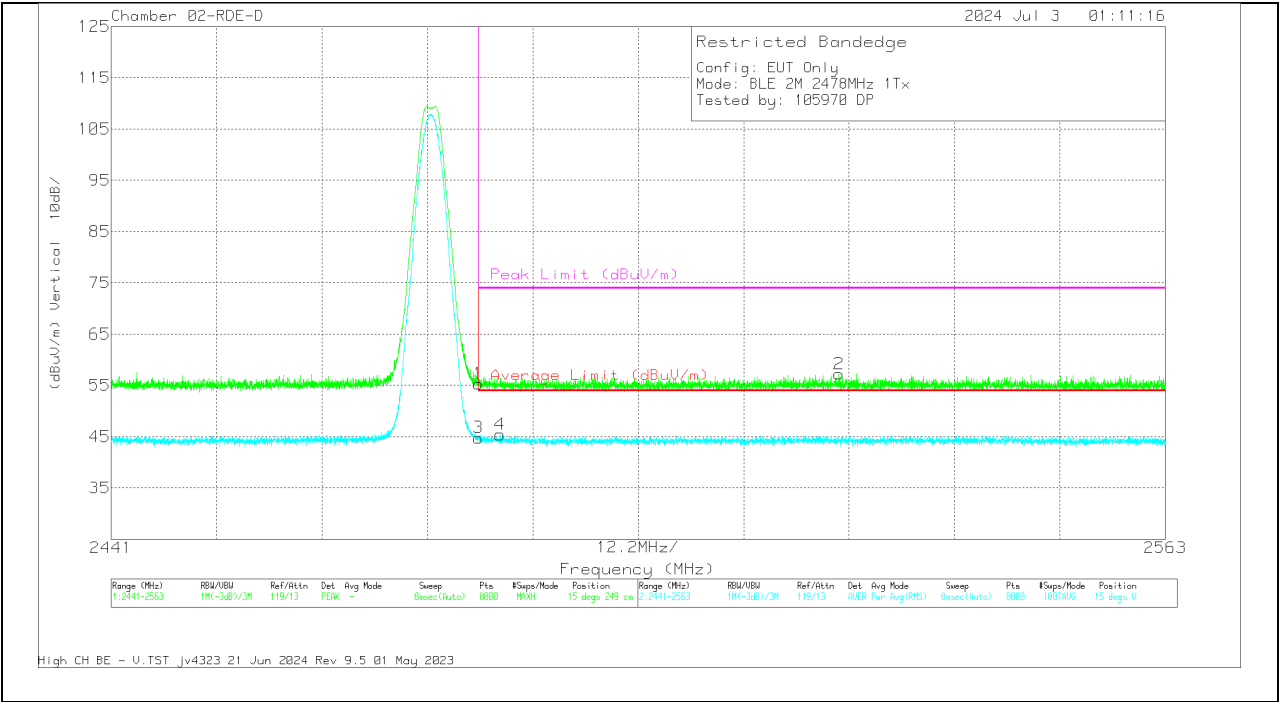
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.52	Pk	32.4	-19.6	55.32	-	-	74	-18.68	323	138	H
3	* 2483.5	32.32	RMS	32.4	-19.6	45.12	54	-8.88	-	-	323	138	H
4	* 2484.407	32.63	RMS	32.4	-19.6	45.43	54	-8.57	-	-	323	138	H
2	2513.294	45.07	Pk	32.4	-19.4	58.07	-	-	74	-15.93	323	138	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



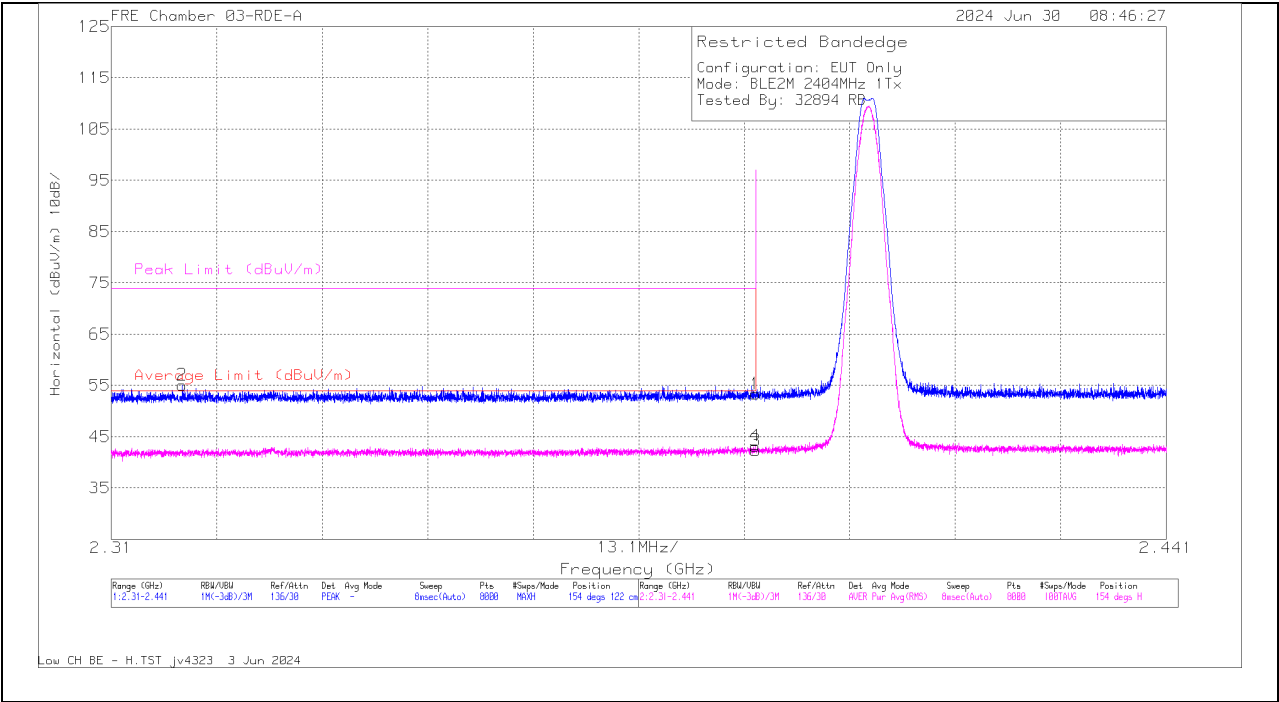
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Ampl/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 2483.5	42.53	Pk	32.4	-19.6	55.33	-	-	74	-18.67	15	249	V
3	* 2483.5	31.99	RMS	32.4	-19.6	44.79	54	-9.21	-	-	15	249	V
4	* 2486.009	32.51	RMS	32.4	-19.5	45.41	54	-8.59	-	-	15	249	V
2	2525.237	44.14	Pk	32.4	-19.3	57.24	-	-	74	-16.76	15	249	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

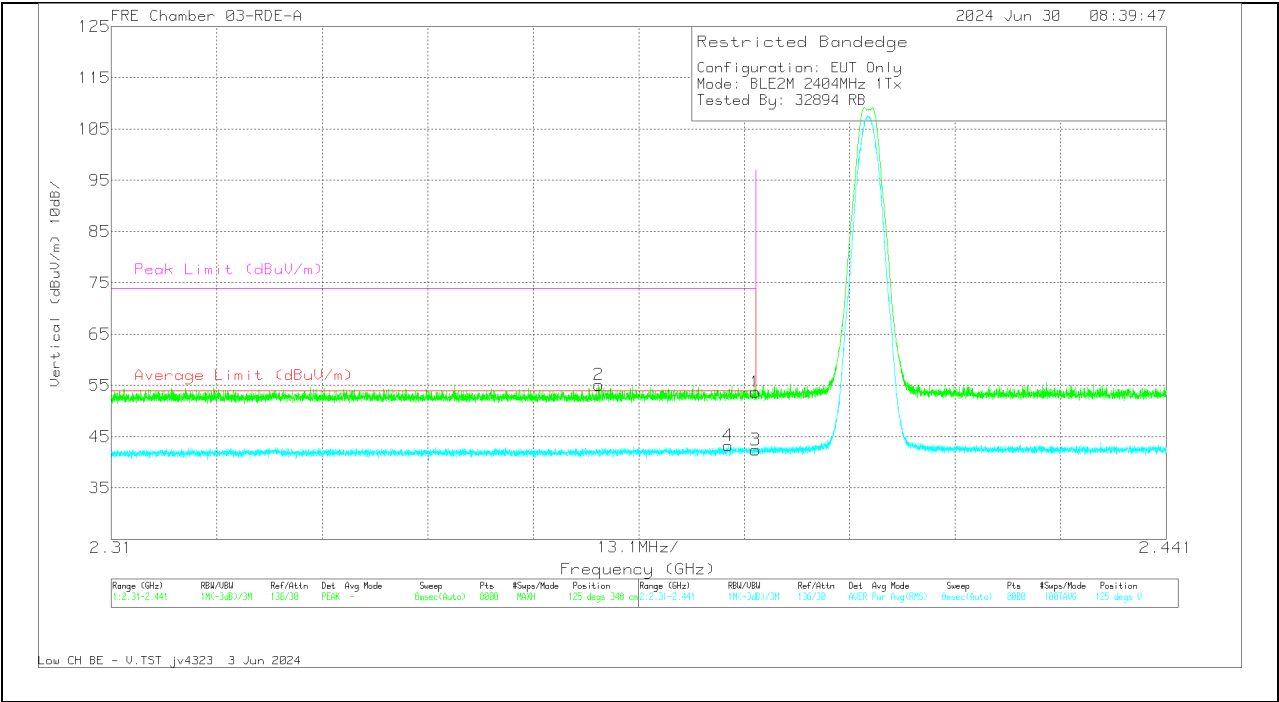
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.3	Pk	32.1	-40.07	53.33	-	-	74	-20.67	154	122	H
2	* 2.318778	63.37	Pk	31.9	-40.22	55.05	-	-	74	-18.95	154	122	H
3	* 2.39	50.26	RMS	32.1	-40.07	42.29	54	-11.71	-	-	154	122	H
4	* 2.389953	51.16	RMS	32.1	-40.07	43.19	54	-10.81	-	-	154	122	H

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

VERTICAL RESULT

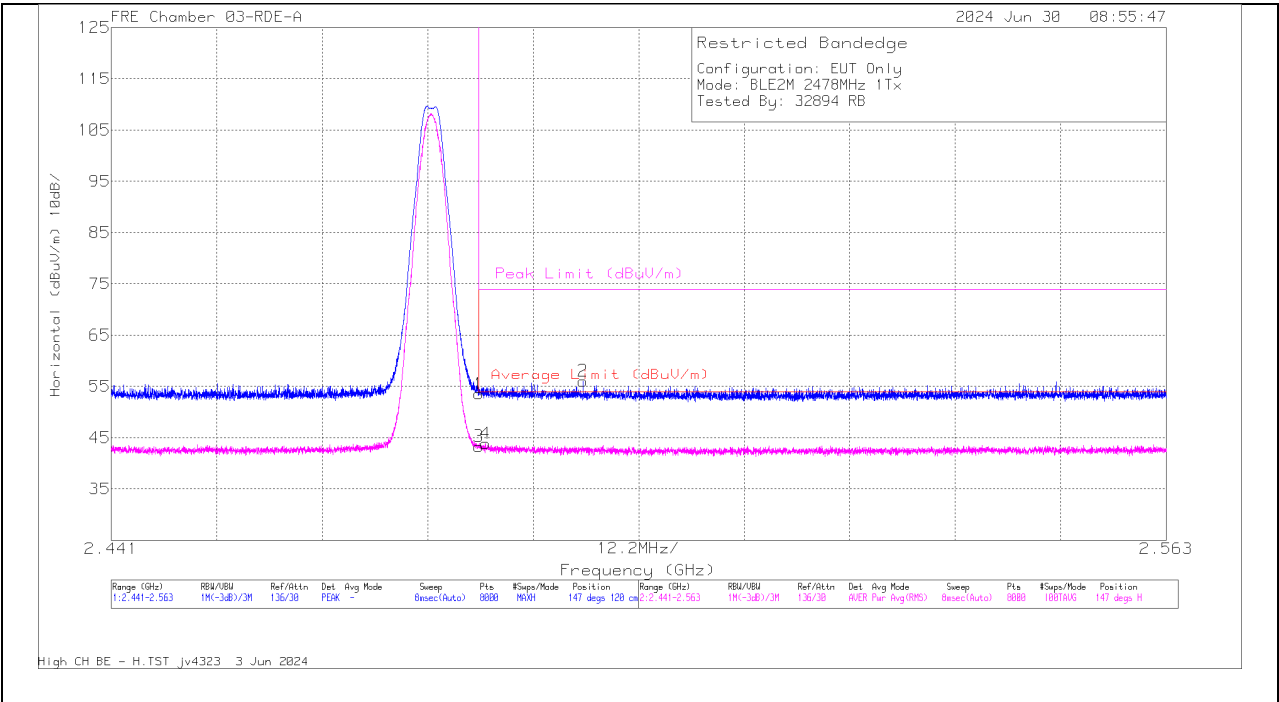


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 2.39	61.65	Pk	32.1	-40.07	53.68	-	-	74	-20.32	125	348	V
2	* 2.370546	63.14	Pk	32.1	-40.12	55.12	-	-	74	-18.88	125	348	V
3	* 2.39	50.4	RMS	32.1	-40.07	42.43	54	-11.57	-	-	125	348	V
4	* 2.386612	51.23	RMS	32.1	-40.07	43.26	54	-10.74	-	-	125	348	V

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

BANDEDGE (HIGH CHANNEL)

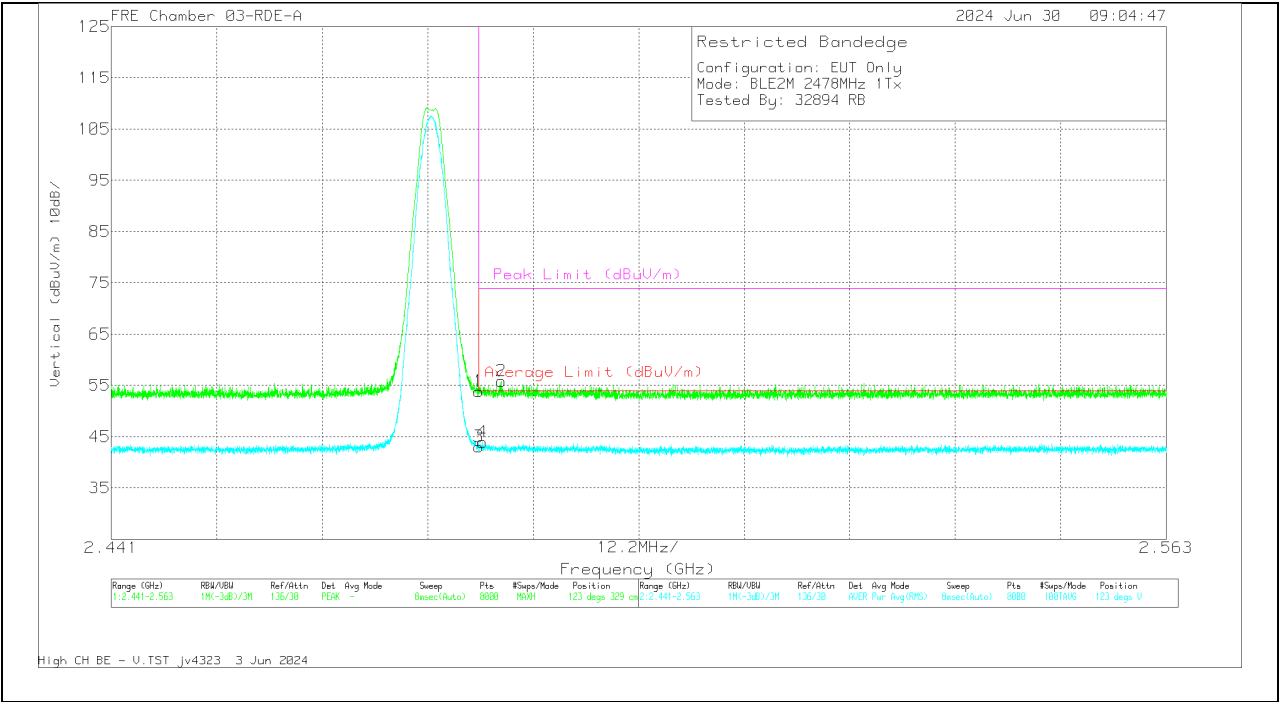
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.2	PK	32.2	-39.84	53.56	-	-	74	-20.44	147	120	H
2	* 2.495572	63.46	PK	32.3	-39.73	56.03	-	-	74	-17.97	147	120	H
3	* 2.4835	50.91	RMS	32.2	-39.84	43.27	54	-10.73	-	-	147	120	H
4	* 2.48427	51.48	RMS	32.2	-39.83	43.85	54	-10.15	-	-	147	120	H

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

VERTICAL RESULT



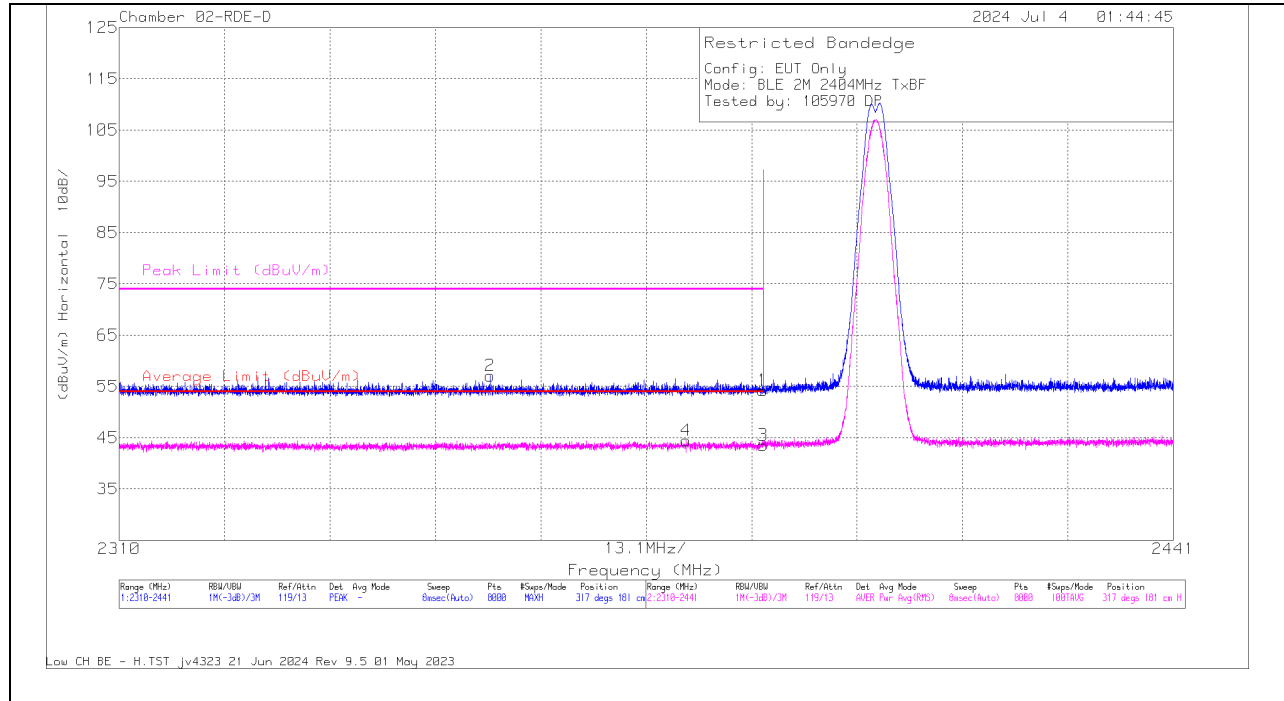
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.48	Pk	32.2	-39.84	53.84	-	-	74	-20.16	123	329	V
2	* 2.486131	63.44	Pk	32.2	-39.8	55.84	-	-	74	-18.16	123	329	V
3	* 2.4835	50.68	RMS	32.2	-39.84	43.04	54	-10.96	-	-	123	329	V
4	* 2.483919	51.57	RMS	32.2	-39.83	43.94	54	-10.06	-	-	123	329	V

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

10.2.4. HIGH POWER BLE TXBF (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



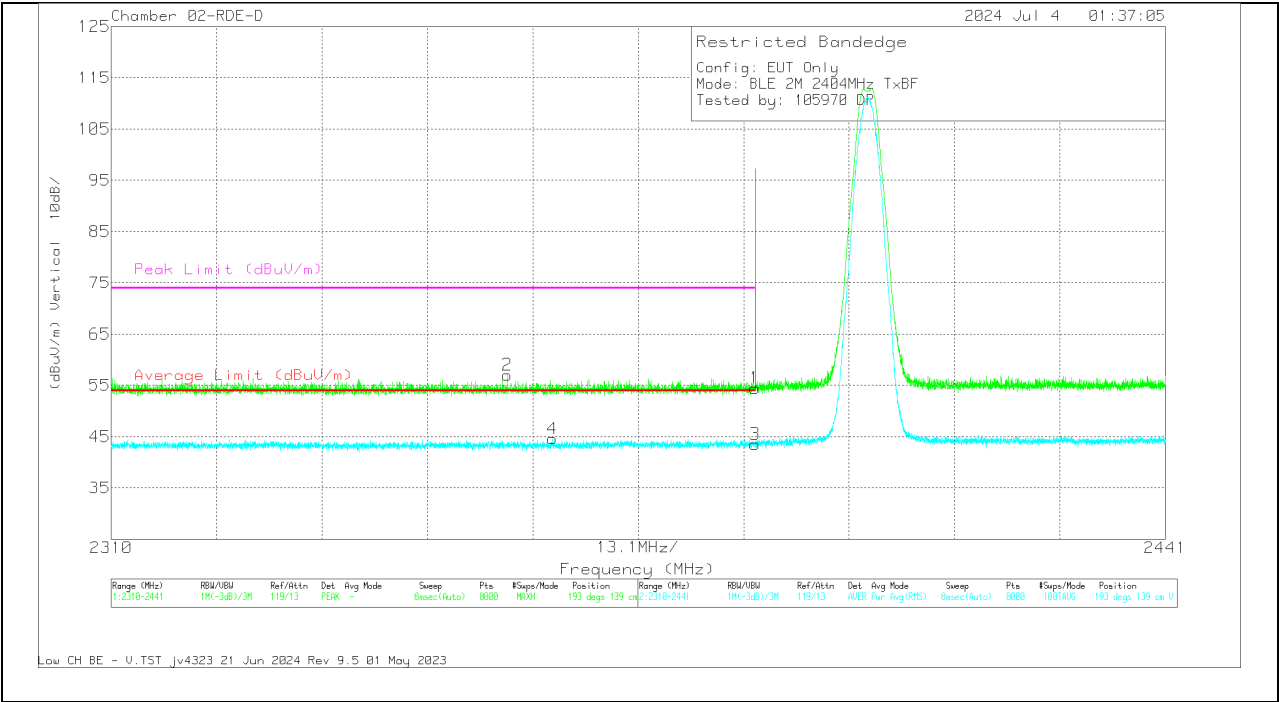
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.61	Pk	32.2	-19.6	54.21	-	-	74	-19.79	317	181	H
2	* 2356.101	44.68	Pk	32.1	-19.7	57.08	-	-	74	-16.92	317	181	H
3	* 2390	30.94	RMS	32.2	-19.6	43.54	54	-10.46	-	-	317	181	H
4	* 2380.421	31.93	RMS	32.2	-19.7	44.43	54	-9.57	-	-	317	181	H

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

Pk - Peak detector

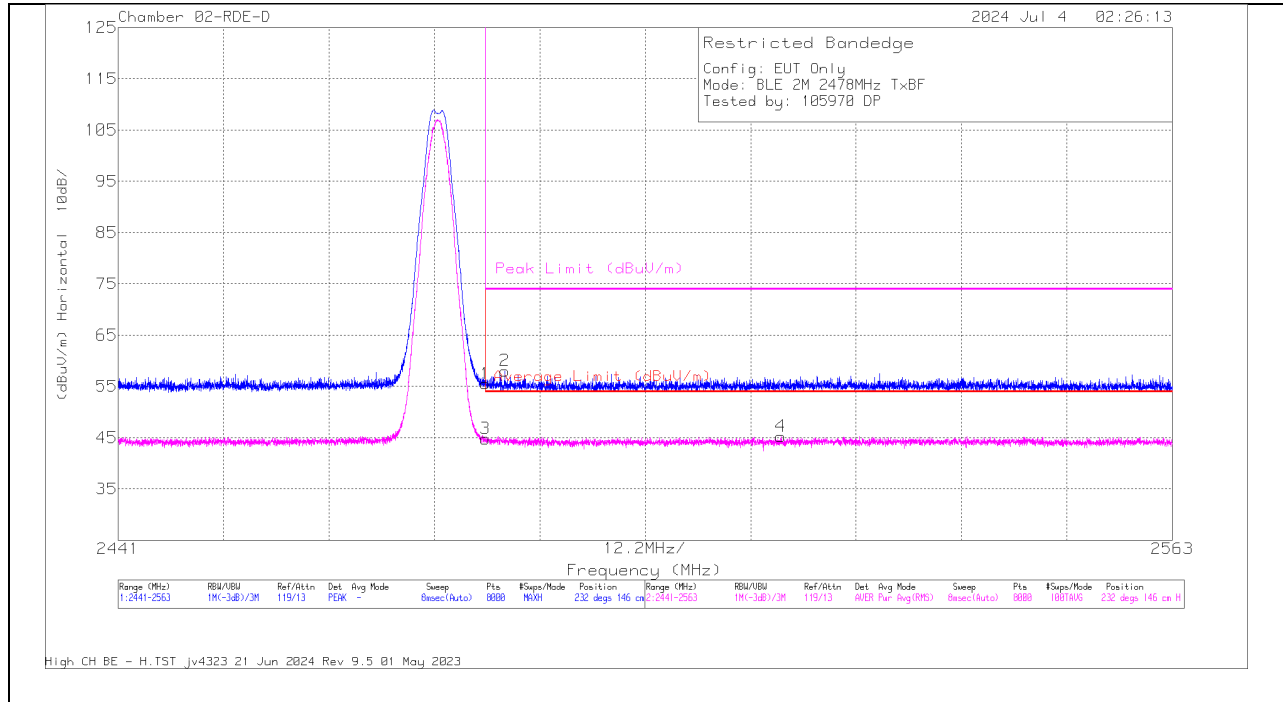
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.86	Pk	32.2	-19.6	54.46	-	-	74	-19.54	193	139	V
2	* 2359.197	44.61	Pk	32.1	-19.7	57.01	-	-	74	-16.99	193	139	V
3	* 2390	30.93	RMS	32.2	-19.6	43.53	54	-10.47	-	-	193	139	V
4	* 2364.863	32.19	RMS	32.1	-19.7	44.59	54	-9.41	-	-	193	139	V

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

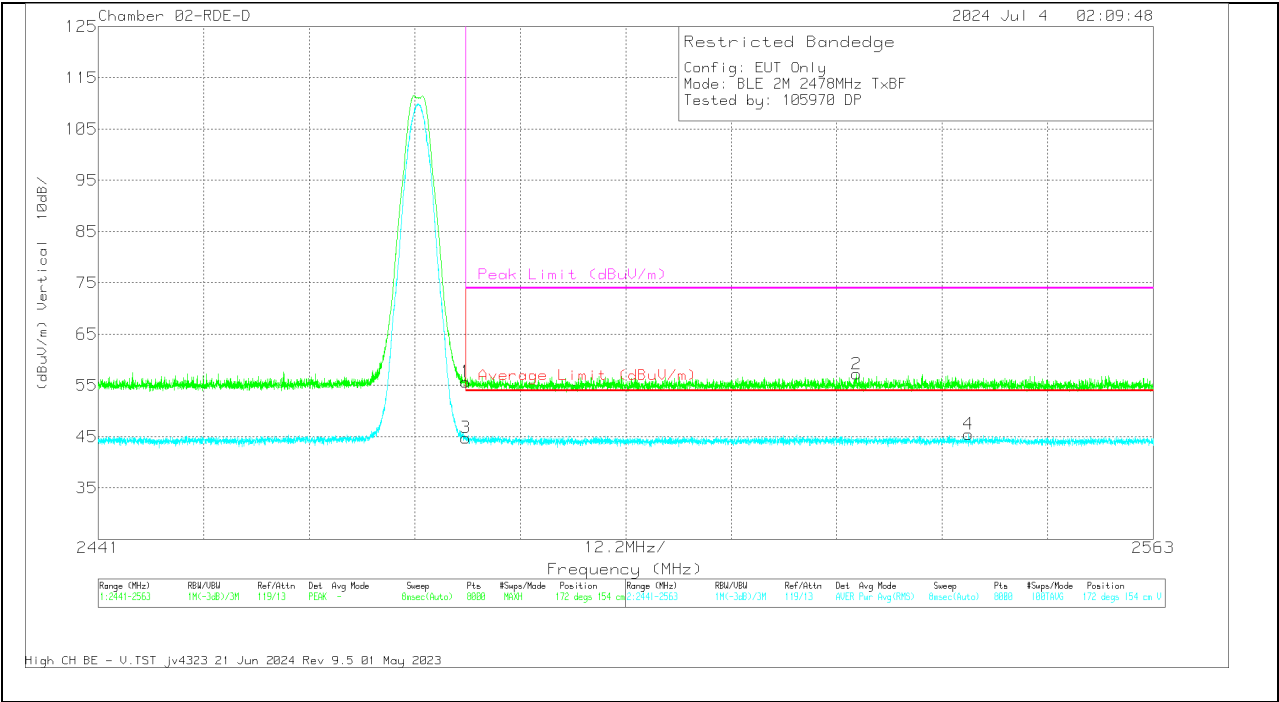
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.71	Pk	32.4	-19.6	55.51	-	-	74	-18.49	232	146	H
2	* 2485.734	45.14	Pk	32.4	-19.5	58.04	-	-	74	-15.96	232	146	H
3	* 2483.5	32	RMS	32.4	-19.6	44.8	54	-9.2	-	-	232	146	H
4	2517.687	32.26	RMS	32.4	-19.4	45.26	54	-8.74	-	-	232	146	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



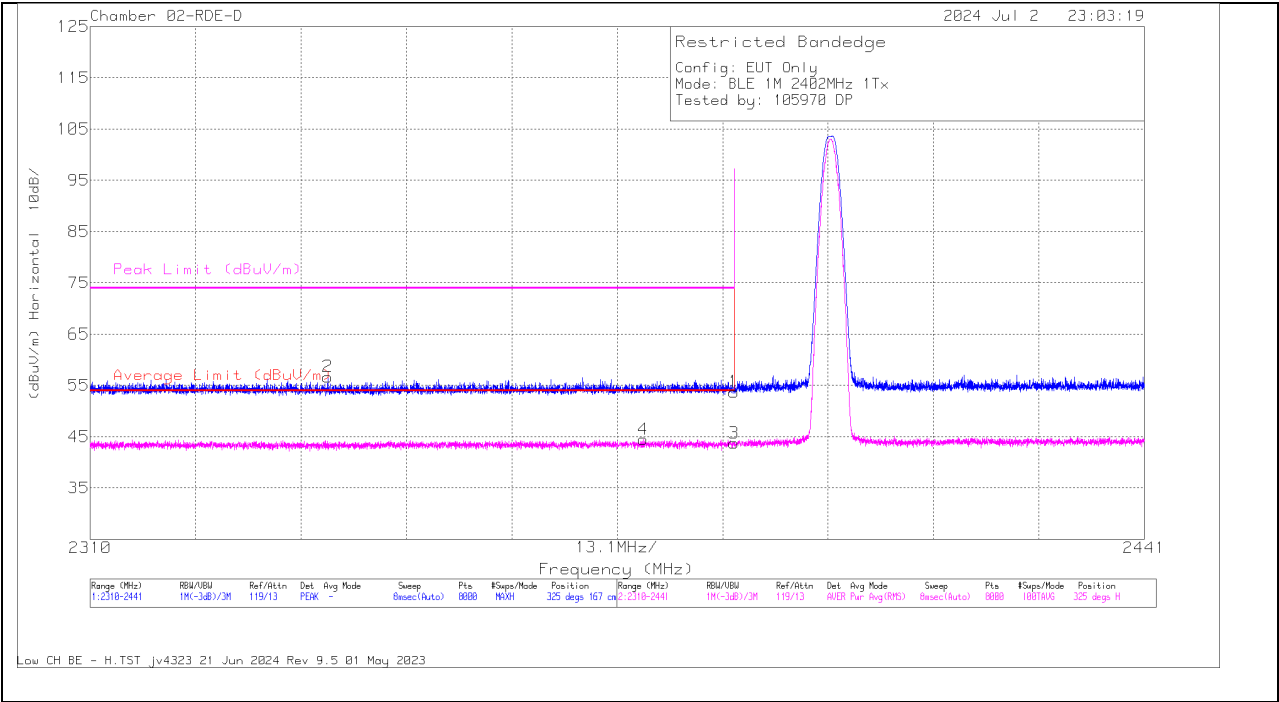
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

10.2.5. LOW POWER BLE (1Mbps)

ANT 4

BANDEDGE (LOW CHANNEL)

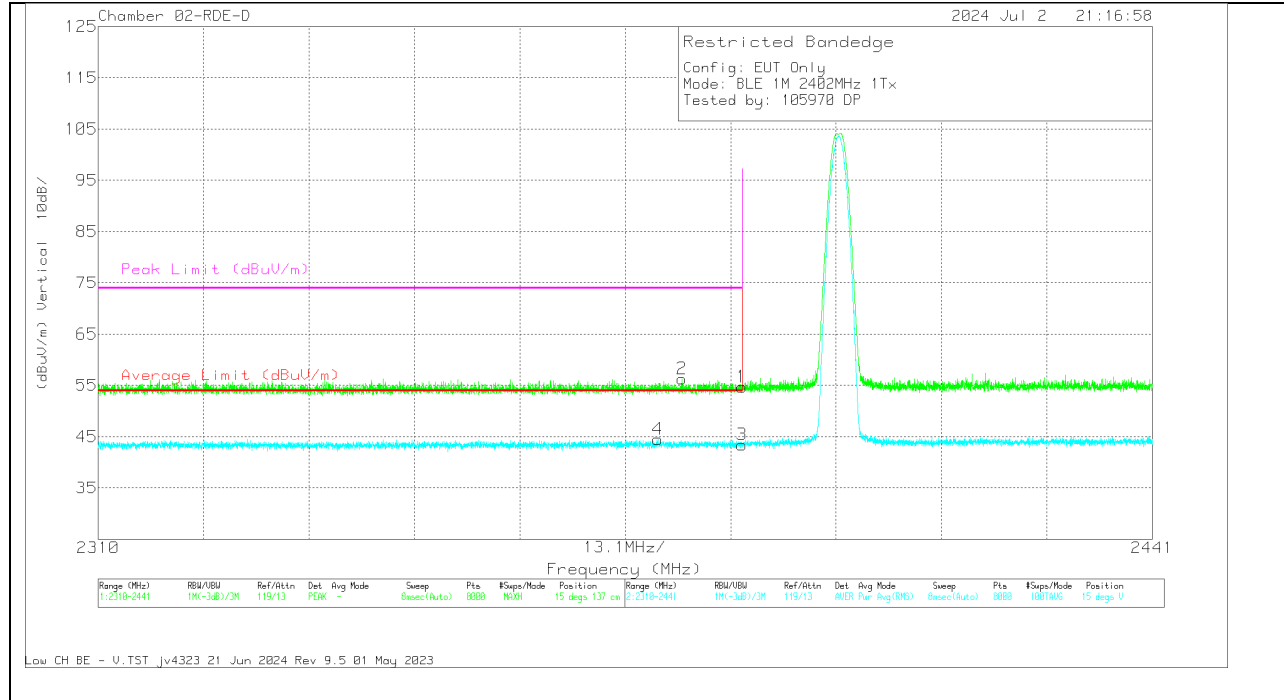
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200996 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.13	Pk	32.2	-19.6	53.73	-	-	74	-20.27	325	167	H
2	* 2339.528	44.49	PK	32	-19.8	56.69	-	-	74	-17.31	325	167	H
3	* 2390	31.14	RMS	32.2	-19.6	43.74	54	-10.26	-	-	325	167	H
4	* 2378.702	31.97	RMS	32.2	-19.7	44.47	54	-9.53	-	-	325	167	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.1	Pk	32.2	-19.6	54.7	-	-	74	-19.3	15	137	V
2	* 2382.534	43.8	Pk	32.2	-19.7	56.3	-	-	74	-17.7	15	137	V
3	* 2390	30.84	RMS	32.2	-19.6	43.44	54	-10.56	-	-	15	137	V
4	* 2379.553	31.99	RMS	32.2	-19.7	44.49	54	-9.51	-	-	15	137	V

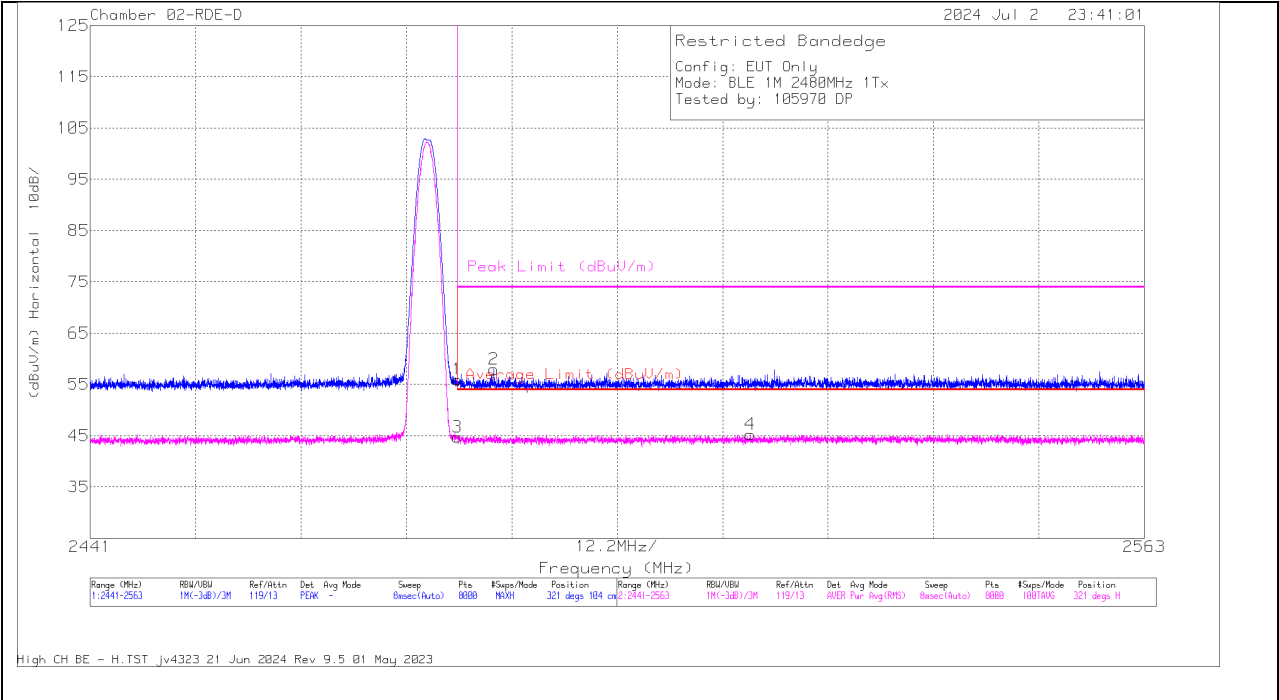
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

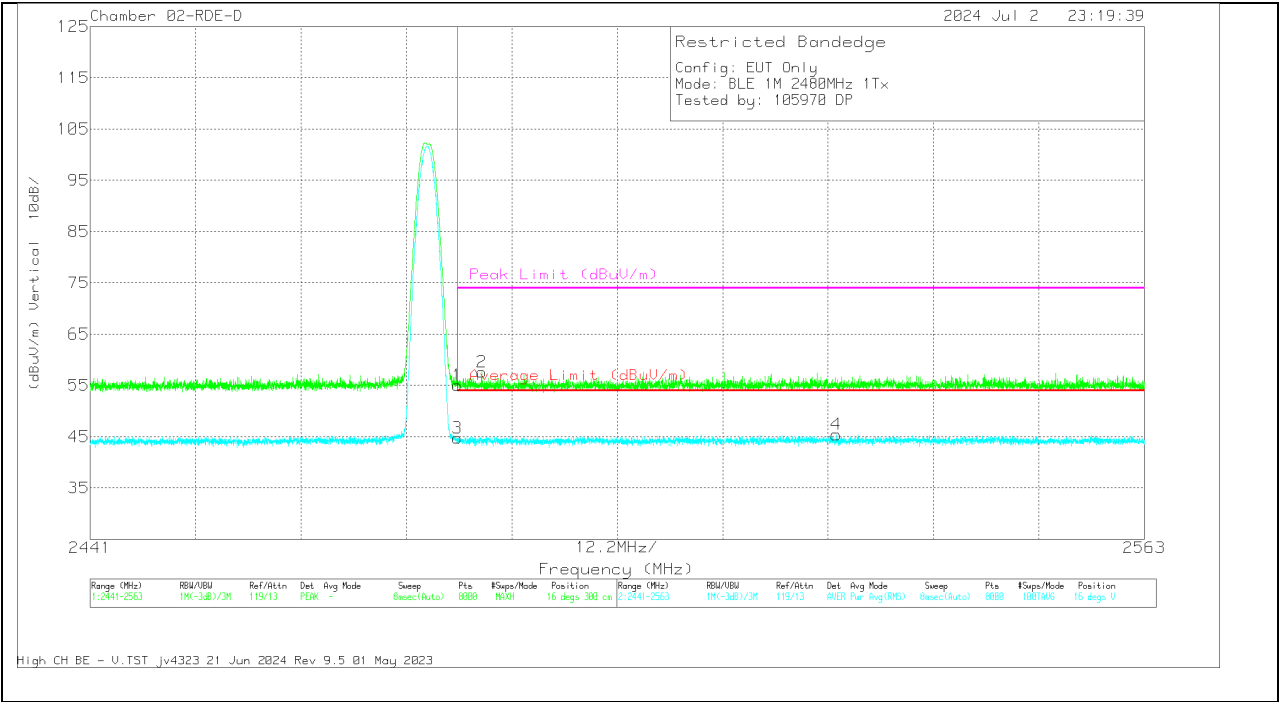
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.16	Pk	32.4	-19.6	55.96	-	-	74	-18.04	321	104	H
2	* 2487.732	45.03	Pk	32.4	-19.5	57.93	-	-	74	-16.07	321	104	H
3	* 2483.5	31.9	RMS	32.4	-19.6	44.7	54	-9.3	-	-	321	104	H
4	2517.397	32.26	RMS	32.4	-19.4	45.26	54	-8.74	-	-	321	104	H

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

VERTICAL RESULT



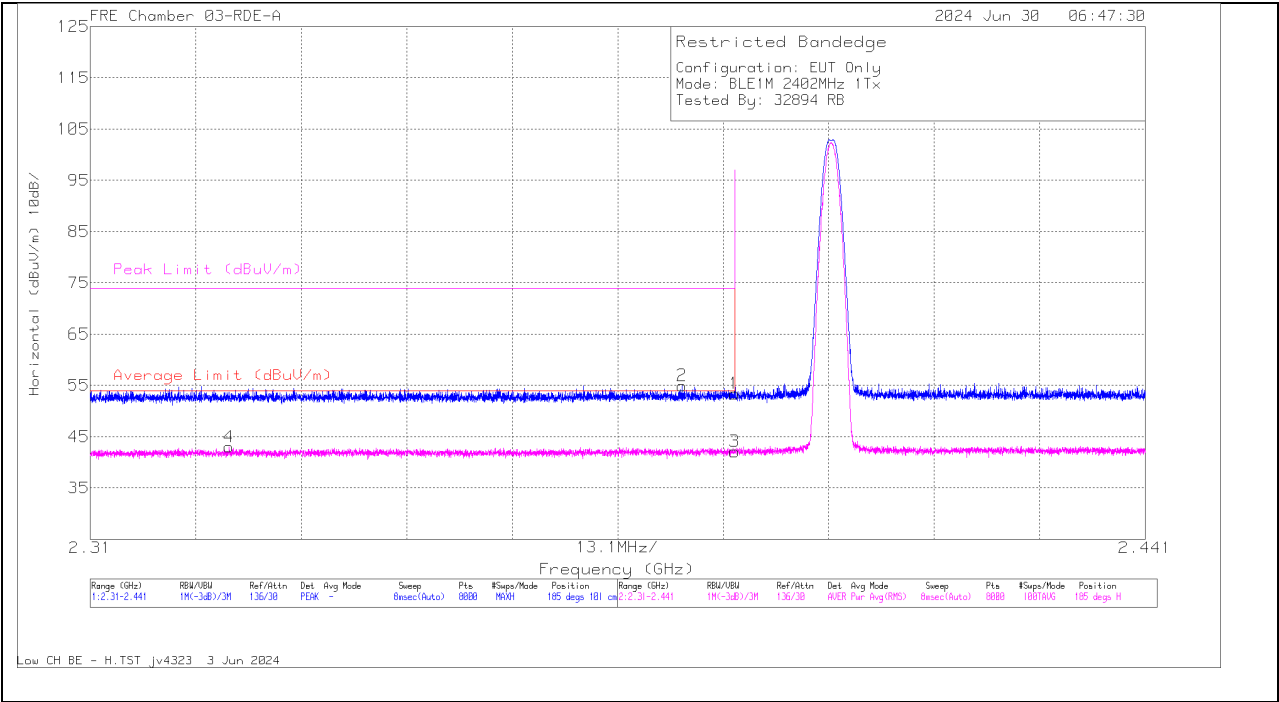
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Ampl/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.21	Pk	32.4	-19.6	55.01	-	-	74	-18.99	16	300	V
2	* 2486.314	44.71	Pk	32.4	-19.5	57.61	-	-	74	-16.39	16	300	V
3	* 2483.5	31.9	RMS	32.4	-19.6	44.7	54	-9.3	-	-	16	300	V
4	2527.357	32.41	RMS	32.4	-19.4	45.41	54	-8.59	-	-	16	300	V

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

ANT 3

BANEDGE (LOW CHANNEL)

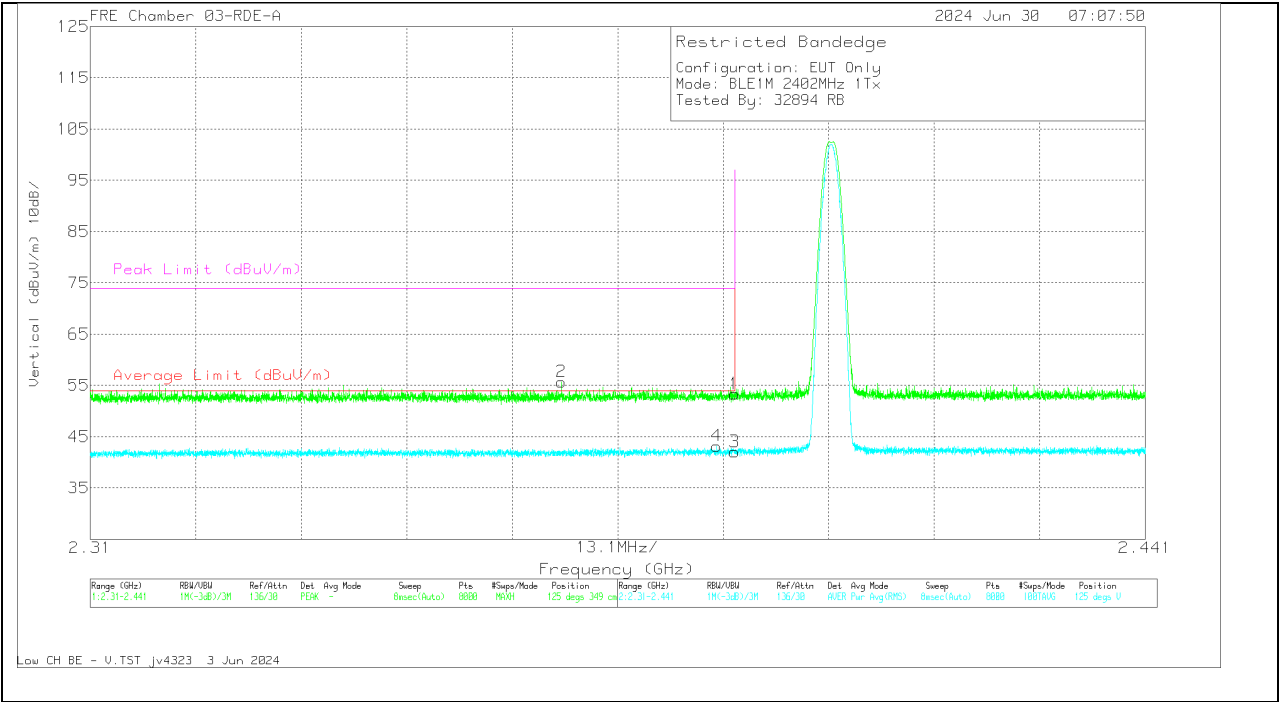
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.36	Pk	32.1	-40.07	53.39	-	-	74	-20.61	185	101	H
2	* 2.383467	62.98	Pk	32.1	-40.13	54.95	-	-	74	-19.05	185	101	H
3	* 2.39	50.07	RMS	32.1	-40.07	42.1	54	-11.9	-	-	185	101	H
4	* 2.327245	51.28	RMS	31.9	-40.2	42.98	54	-11.02	-	-	185	101	H

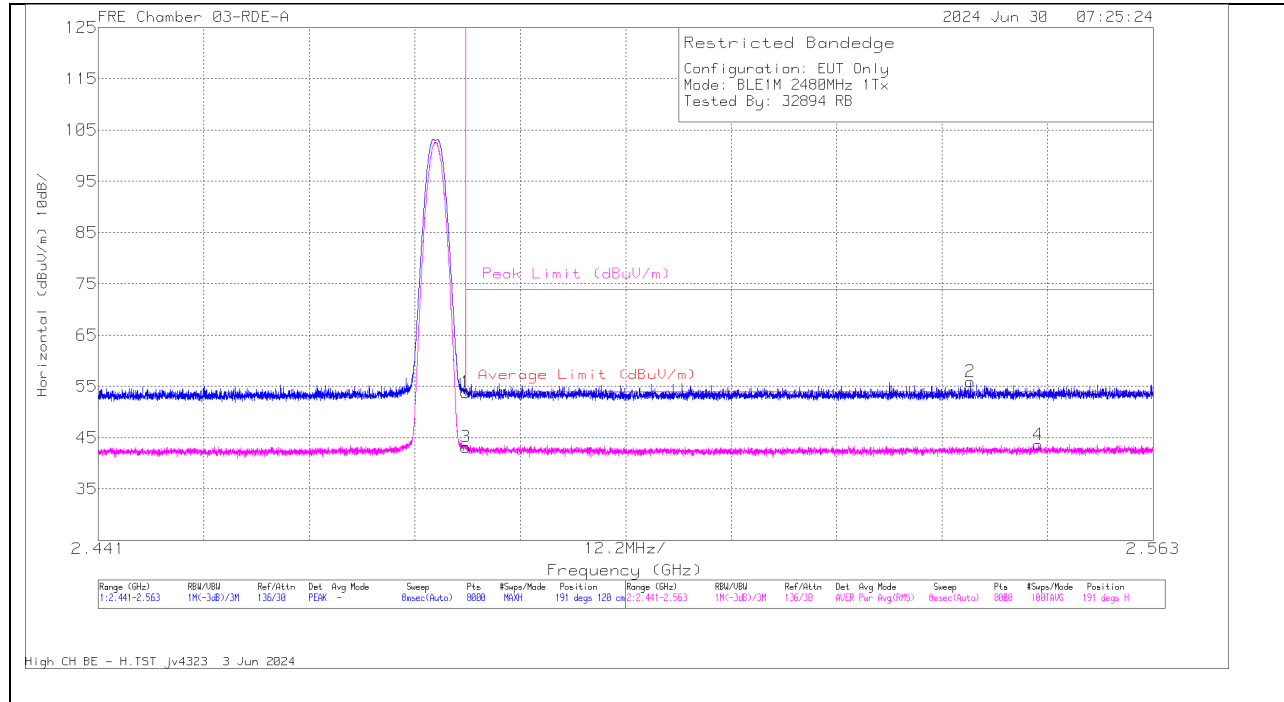
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.29	Pk	32.1	-40.07	53.32	-	-	74	-20.68	125	349	V
2	* 2.368515	63.82	Pk	32	-40.12	55.7	-	-	74	-18.3	125	349	V
3	* 2.39	50.01	RMS	32.1	-40.07	42.04	54	-11.96	-	-	125	349	V
4	* 2.387791	51.14	RMS	32.1	-40.05	43.19	54	-10.81	-	-	125	349	V

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

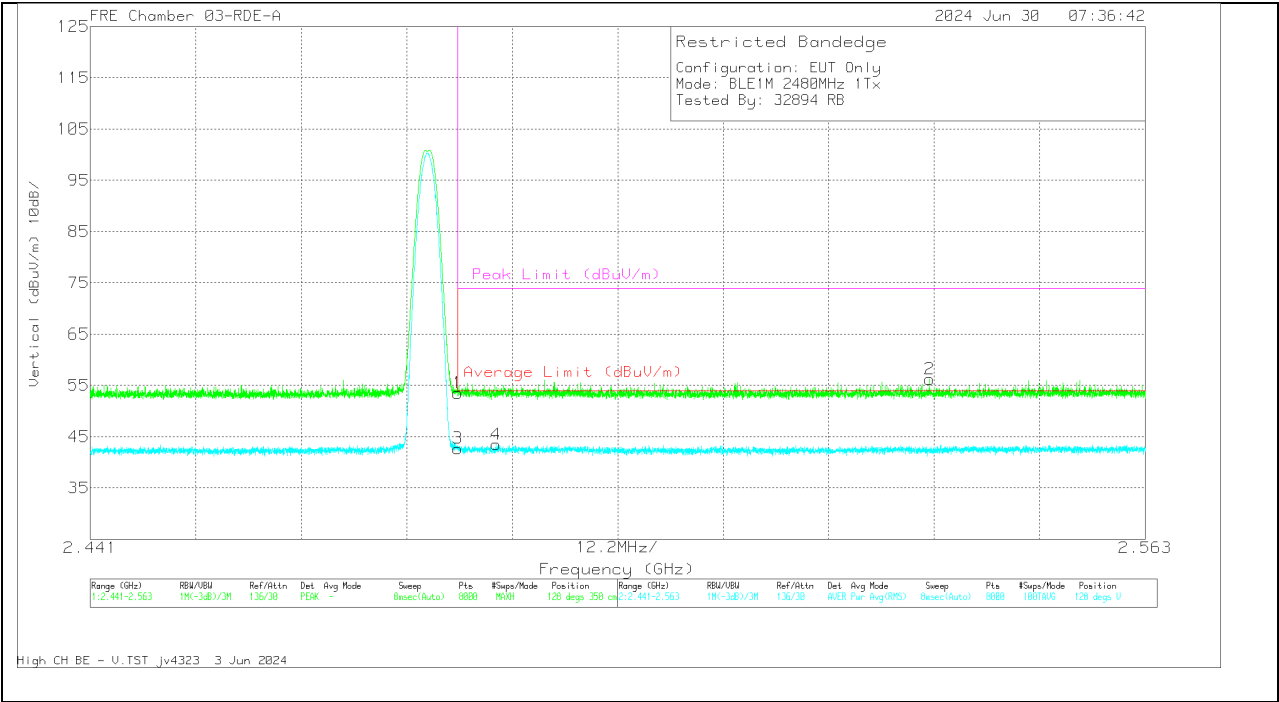
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Z26673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.54	Pk	32.2	-39.84	53.9	-	-	74	-20.1	191	120	H
3	* 2.4835	50.84	RMS	32.2	-39.84	43.2	54	-10.8	-	-	191	120	H
2	2.541846	63.36	Pk	32.2	-39.62	55.94	-	-	74	-18.06	191	120	H
4	2.549716	51.07	RMS	32.2	-39.63	43.64	54	-10.36	-	-	191	120	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



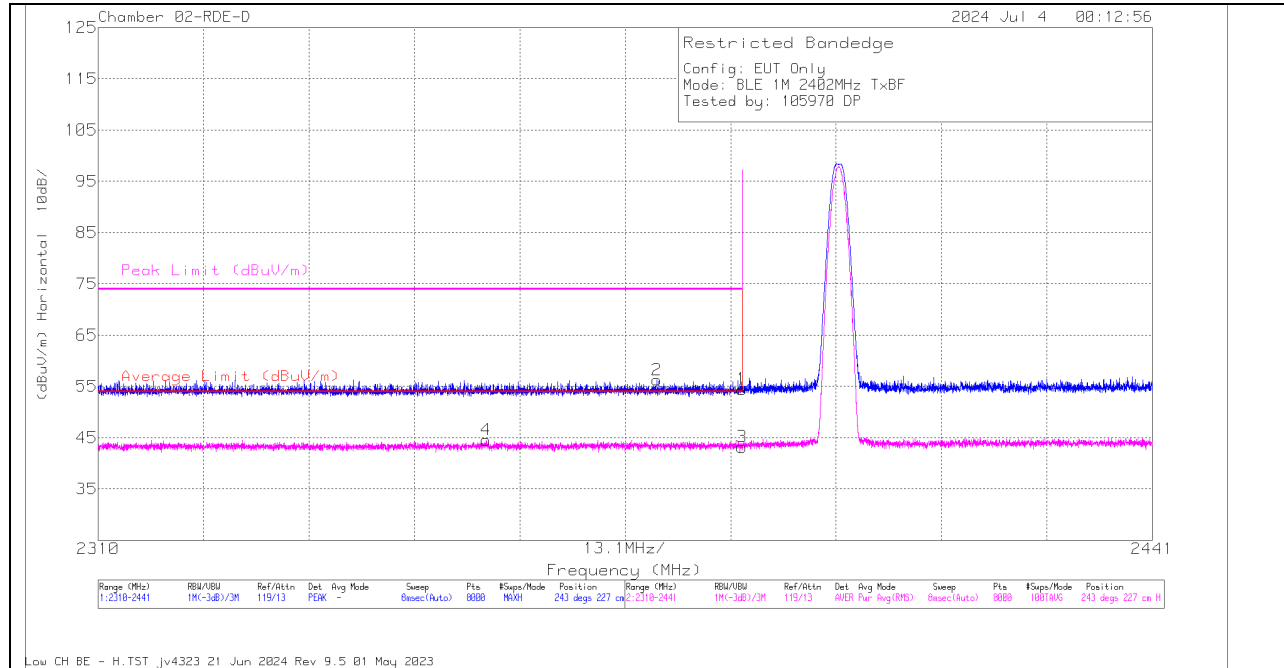
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.16	Pk	32.2	-39.84	53.52	-	-	74	-20.48	128	350	V
3	* 2.4835	50.35	RMS	32.2	-39.84	42.71	54	-11.29	-	-	128	350	V
4	* 2.487915	50.95	RMS	32.3	-39.76	43.49	54	-10.51	-	-	128	350	V
2	2.538064	63.73	Pk	32.2	-39.71	56.22	-	-	74	-17.78	128	350	V

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

10.2.6. LOW POWER BLE TXBF (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



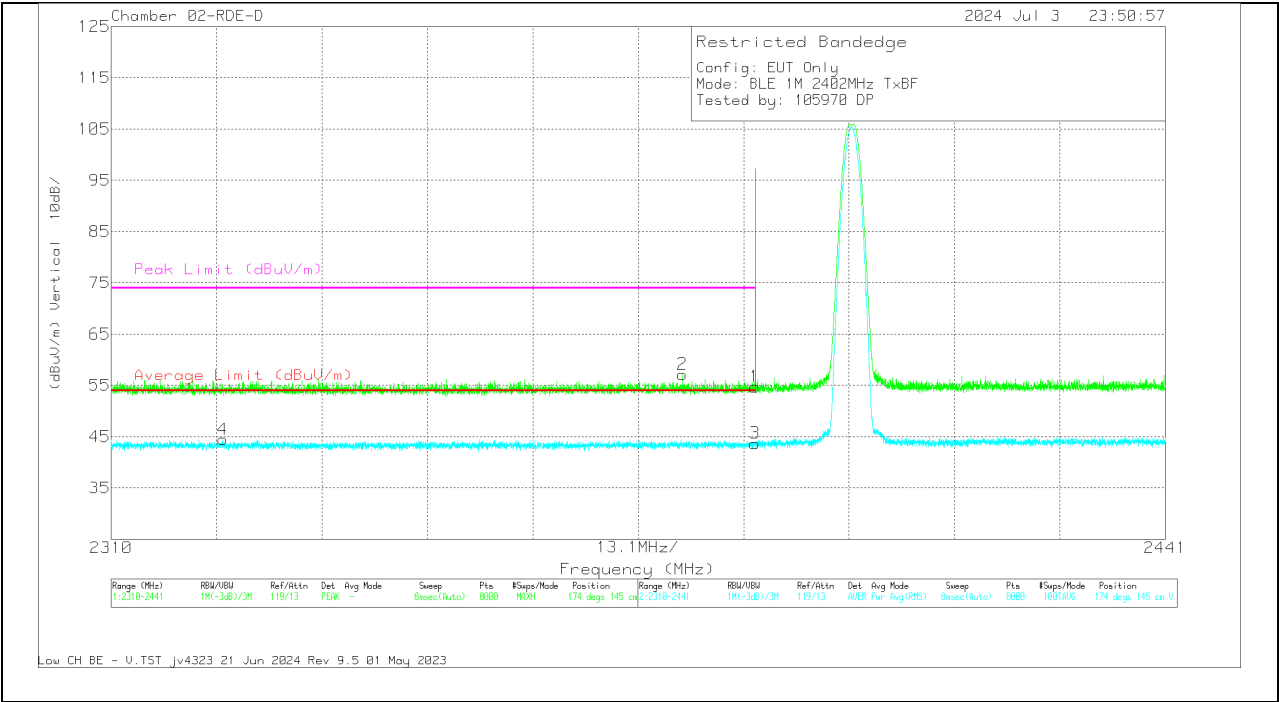
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200996 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.85	Pk	32.2	-19.6	54.45	-	-	74	-19.55	243	227	H
2	* 2379.422	43.75	Pk	32.2	-19.7	56.25	-	-	74	-17.75	243	227	H
3	* 2390	30.6	RMS	32.2	-19.6	43.2	54	-10.8	-	-	243	227	H
4	* 2358.23	32.05	RMS	32.1	-19.6	44.55	54	-9.45	-	-	243	227	H

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

Pk - Peak detector

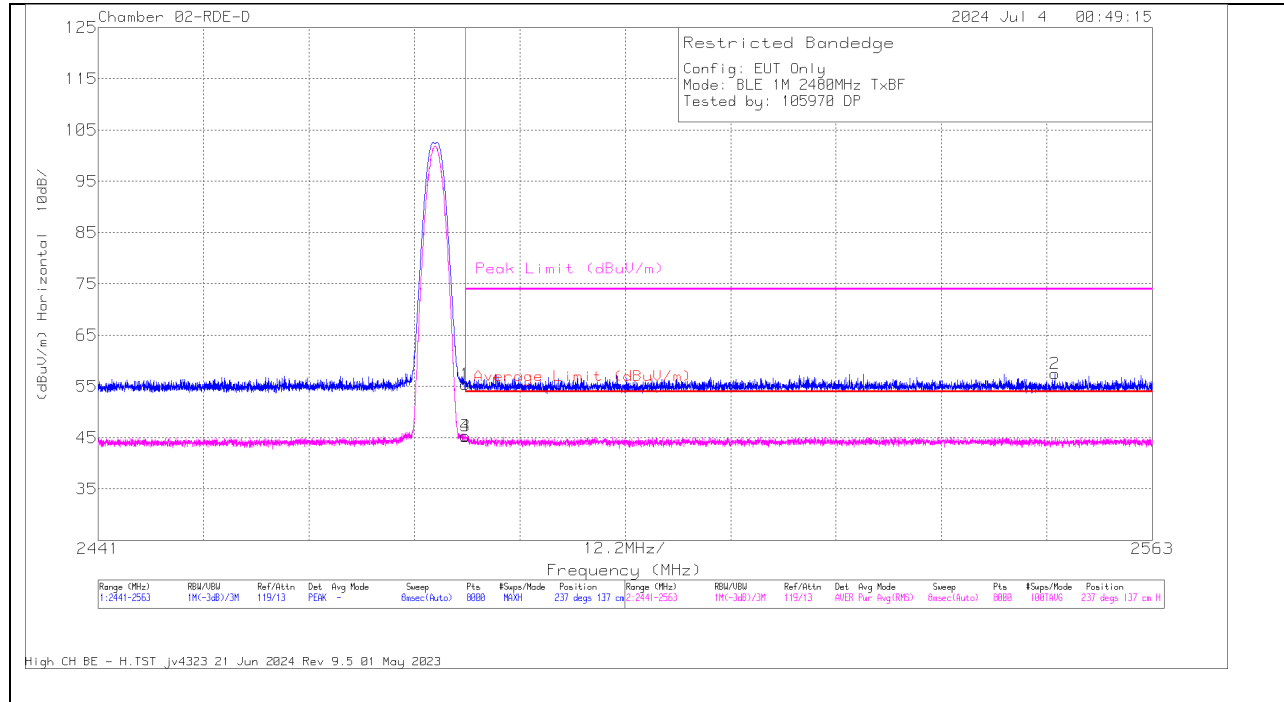
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.13	Pk	32.2	-19.6	54.73	-	-	74	-19.27	174	145	V
2	* 2380.978	44.65	Pk	32.2	-19.7	57.15	-	-	74	-16.85	174	145	V
3	* 2390	31.07	RMS	32.2	-19.6	43.67	54	-10.33	-	-	174	145	V
4	* 2323.904	32.18	RMS	32	-19.7	44.48	54	-9.52	-	-	174	145	V

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

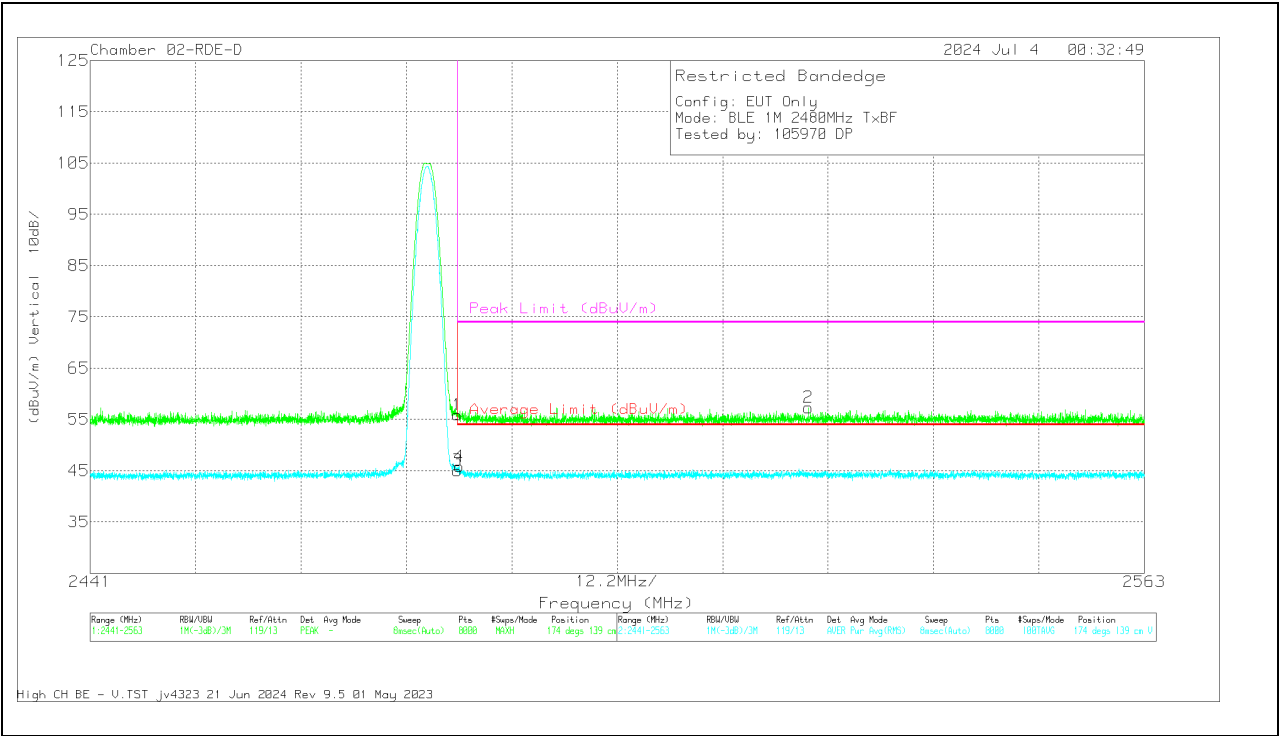
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.6	Pk	32.4	-19.6	55.4	-	-	74	-18.6	237	137	H
3	* 2483.5	32.51	RMS	32.4	-19.6	45.31	54	-8.69	-	-	237	137	H
4	* 2483.507	32.53	RMS	32.4	-19.6	45.33	54	-8.67	-	-	237	137	H
2	2551.73	44.59	Pk	32.3	-19.4	57.49	-	-	74	-16.51	237	137	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	43.07	Pk	32.4	-19.6	55.87	-	-	74	-18.13	174	139	V
3	* 2483.5	32.2	RMS	32.4	-19.6	45	54	-9	-	-	174	139	V
4	* 2483.69	33.02	RMS	32.4	-19.6	45.82	54	-8.18	-	-	174	139	V
2	2524.123	44.21	Pk	32.4	-19.3	57.31	-	-	74	-16.69	174	139	V

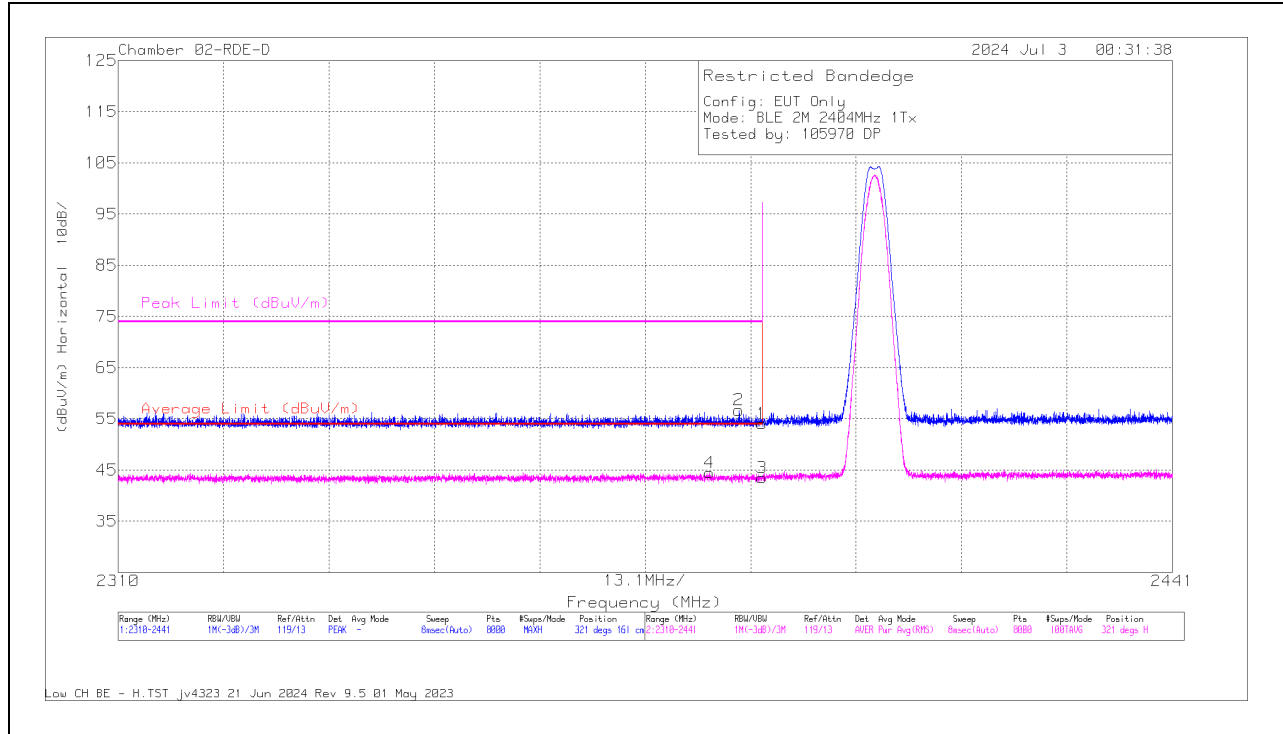
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

10.2.7. LOW POWER BLE (2Mbps)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



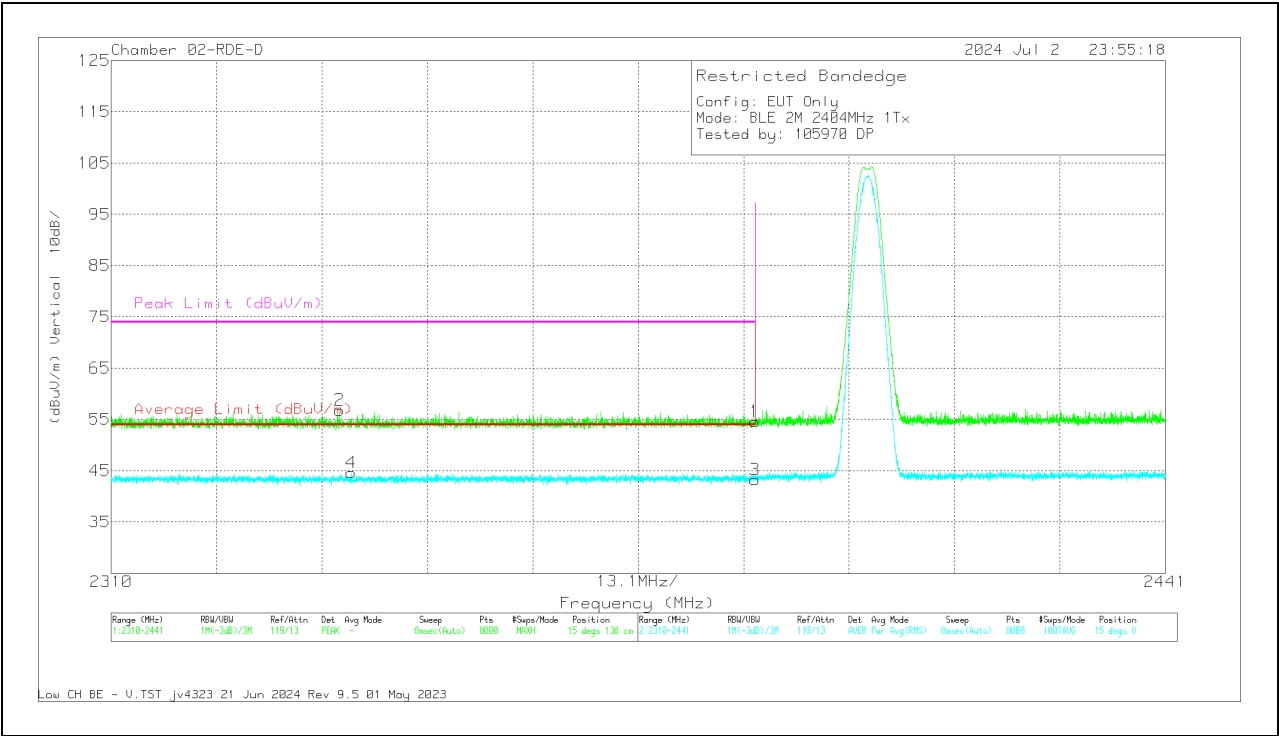
Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.44	Pk	32.2	-19.6	54.04	-	-	74	-19.96	321	161	H
2	* 2387.119	44.2	Pk	32.2	-19.7	56.7	-	-	74	-17.3	321	161	H
3	* 2390	30.89	RMS	32.2	-19.6	43.49	54	-10.51	-	-	321	161	H
4	* 2383.5	31.95	RMS	32.2	-19.7	44.45	54	-9.55	-	-	321	161	H

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

Pk - Peak detector

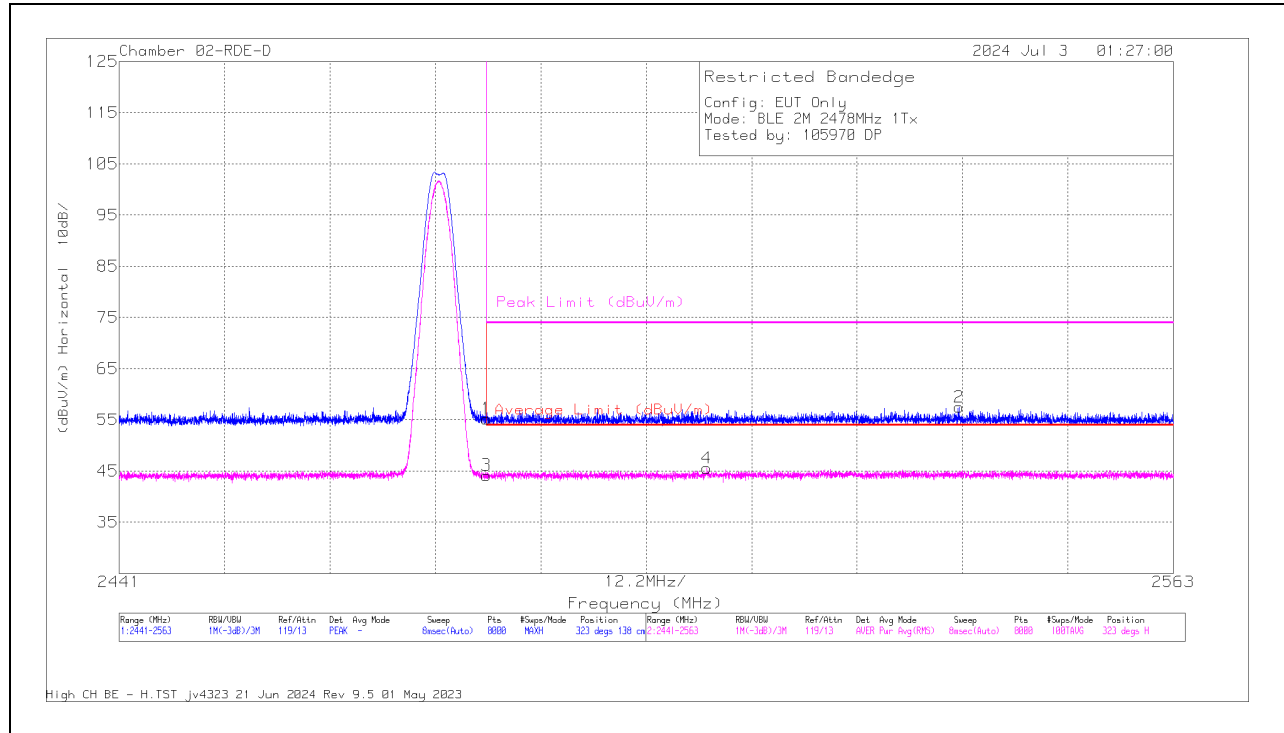
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.95	Pk	32.2	-19.6	54.55	-	-	74	-19.45	15	138	V
2	* 2338.398	44.48	Pk	32	-19.7	56.78	-	-	74	-17.22	15	138	V
3	* 2390	30.65	RMS	32.2	-19.6	43.25	54	-10.75	-	-	15	138	V
4	* 2339.839	32.4	RMS	32	-19.8	44.6	54	-9.4	-	-	15	138	V

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

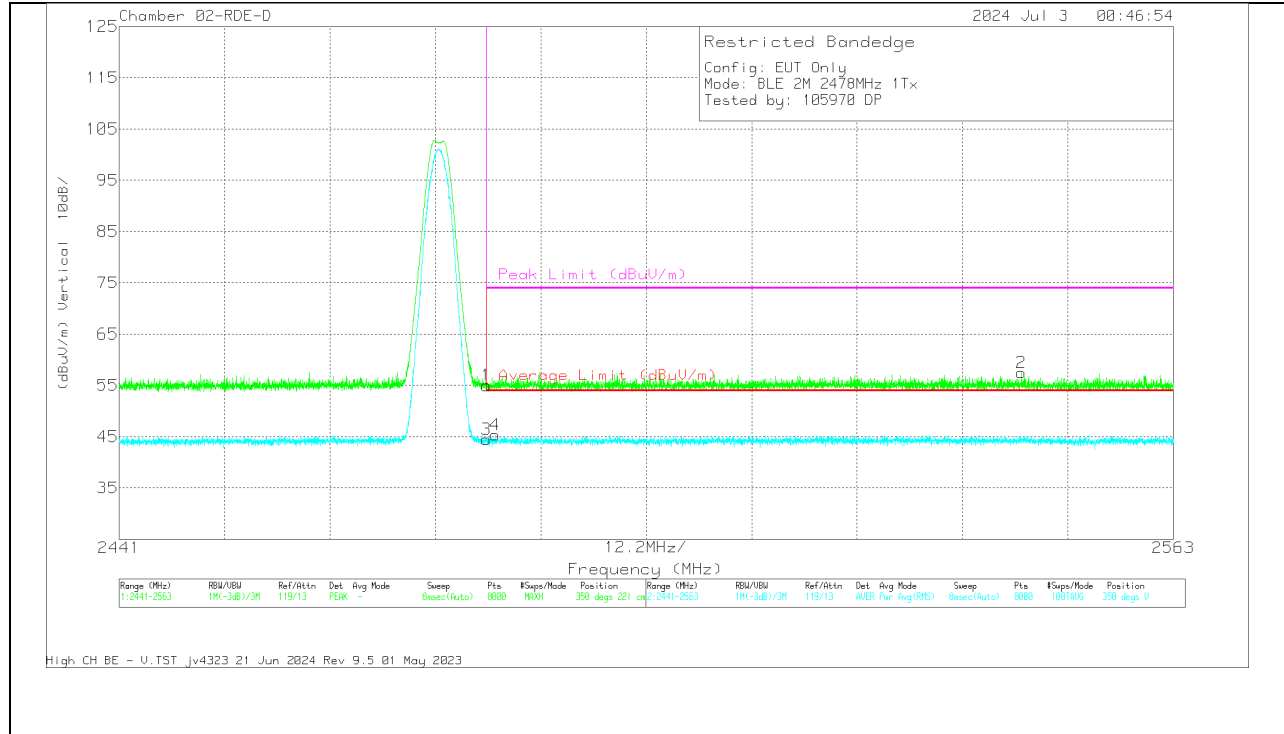
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.39	Pk	32.4	-19.6	55.19	-	-	74	-18.81	323	138	H
3	* 2483.5	31.36	RMS	32.4	-19.6	44.16	54	-9.84	-	-	323	138	H
4	2508.993	32.45	RMS	32.4	-19.3	45.55	54	-8.45	-	-	323	138	H
2	2538.201	44.37	Pk	32.4	-19.3	57.47	-	-	74	-16.53	323	138	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

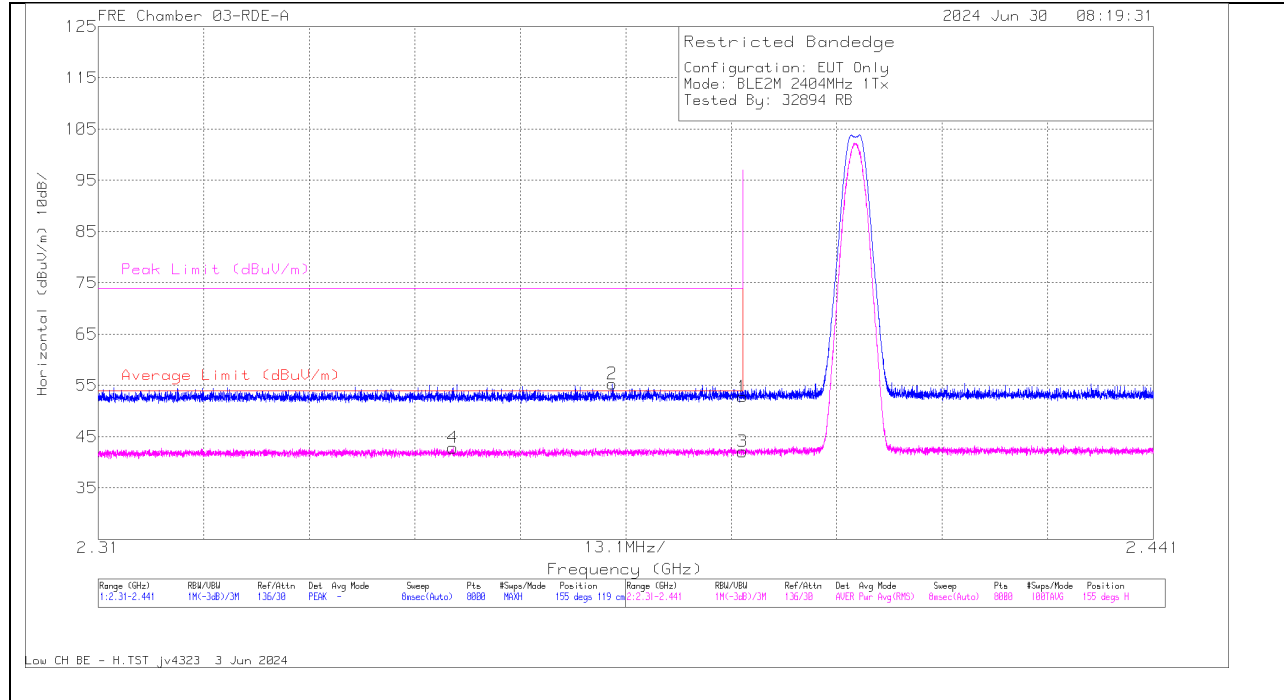


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.18	Pk	32.4	-19.6	54.98	-	-	74	-19.02	350	221	V
3	* 2483.5	31.68	RMS	32.4	-19.6	44.48	54	-9.52	-	-	350	221	V
4	* 2484.529	32.41	RMS	32.4	-19.5	45.31	54	-8.69	-	-	350	221	V
2	2545.4	44.36	Pk	32.4	-19.3	57.46	-	-	74	-16.54	350	221	V

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

Pk - Peak detector

RMS - RMS detection

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

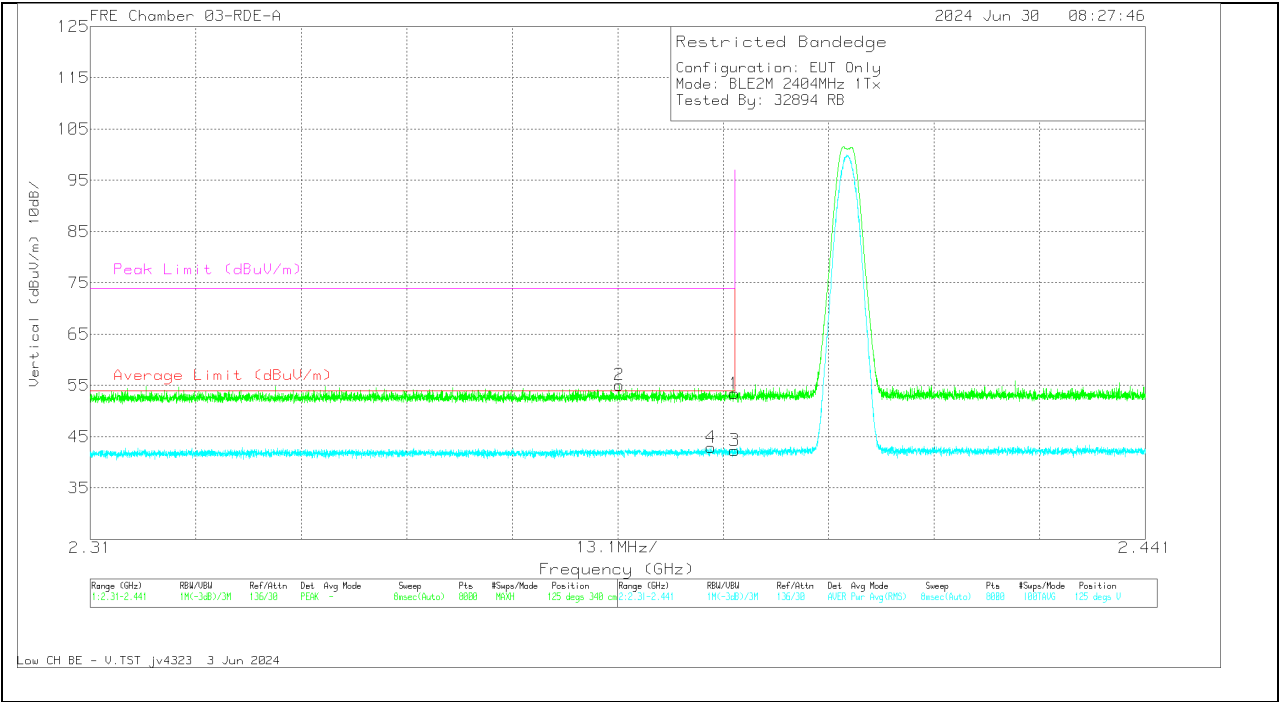
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.76	Pk	32.1	-40.07	52.79	-	-	74	-21.21	155	119	H
2	* 2.373838	63.32	Pk	32.1	-40.13	55.29	-	-	74	-18.71	155	119	H
3	* 2.39	50.08	RMS	32.1	-40.07	42.11	54	-11.89	-	-	155	119	H
4	* 2.354038	51.02	RMS	32	-40.17	42.85	54	-11.15	-	-	155	119	H

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

Pk - Peak detector

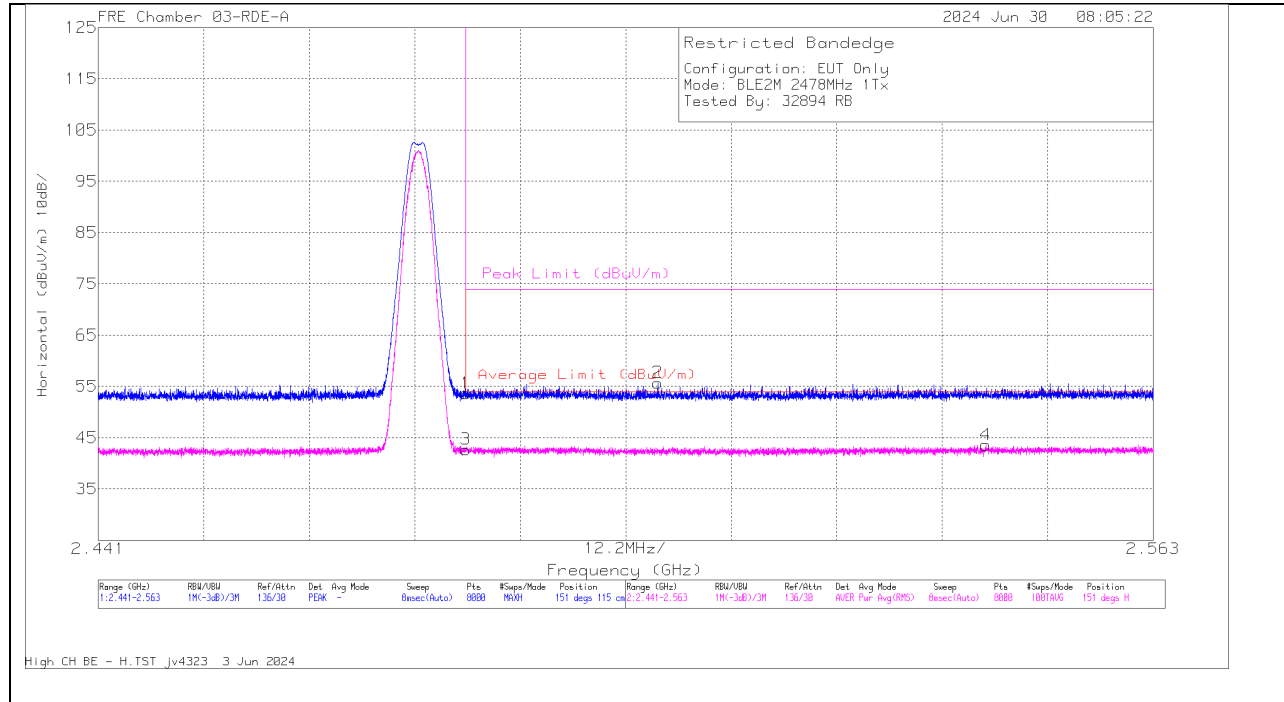
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 2.39	61.38	Pk	32.1	-40.07	53.41	-	-	74	-20.59	125	340	V
2	* 2.375672	63.09	Pk	32.1	-40.1	55.09	-	-	74	-18.91	125	340	V
3	* 2.39	50.28	RMS	32.1	-40.07	42.31	54	-11.69	-	-	125	340	V
4	* 2.387087	50.88	RMS	32.1	-40.06	42.92	54	-11.08	-	-	125	340	V

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

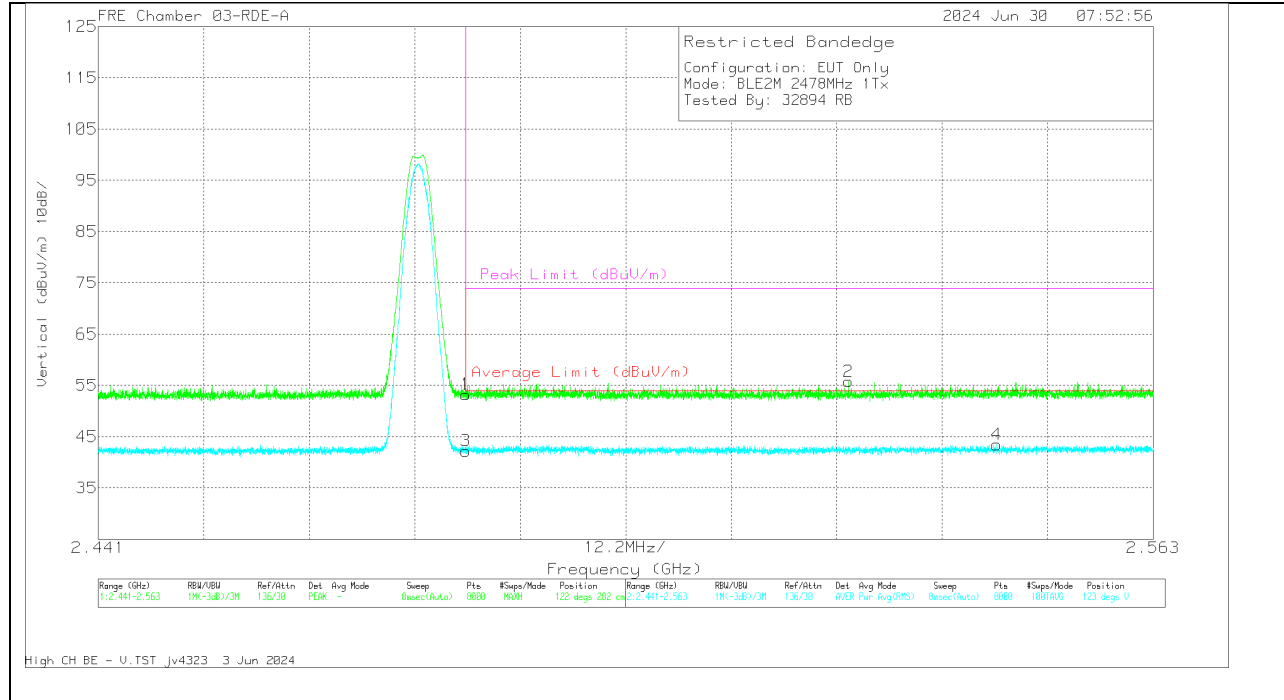
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Z26673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.27	Pk	32.2	-39.84	53.63	-	-	74	-20.37	151	115	H
3	* 2.4835	50.33	RMS	32.2	-39.84	42.69	54	-11.31	-	-	151	115	H
2	2.505699	63.22	Pk	32.2	-39.71	55.71	-	-	74	-18.29	151	115	H
4	2.543631	51.01	RMS	32.2	-39.63	43.58	54	-10.42	-	-	151	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	226673 ACF (dBm)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 2.4835	60.86	Pk	32.2	-39.84	53.22	-	-	74	-20.78	122	282	V
3	* 2.4835	49.87	RMS	32.2	-39.84	42.23	54	-11.77	-	-	123	282	V
2	2.527769	63.32	Pk	32.2	-39.76	55.76	-	-	74	-18.24	122	282	V
4	2.544881	50.91	RMS	32.2	-39.66	43.45	54	-10.55	-	-	123	282	V

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

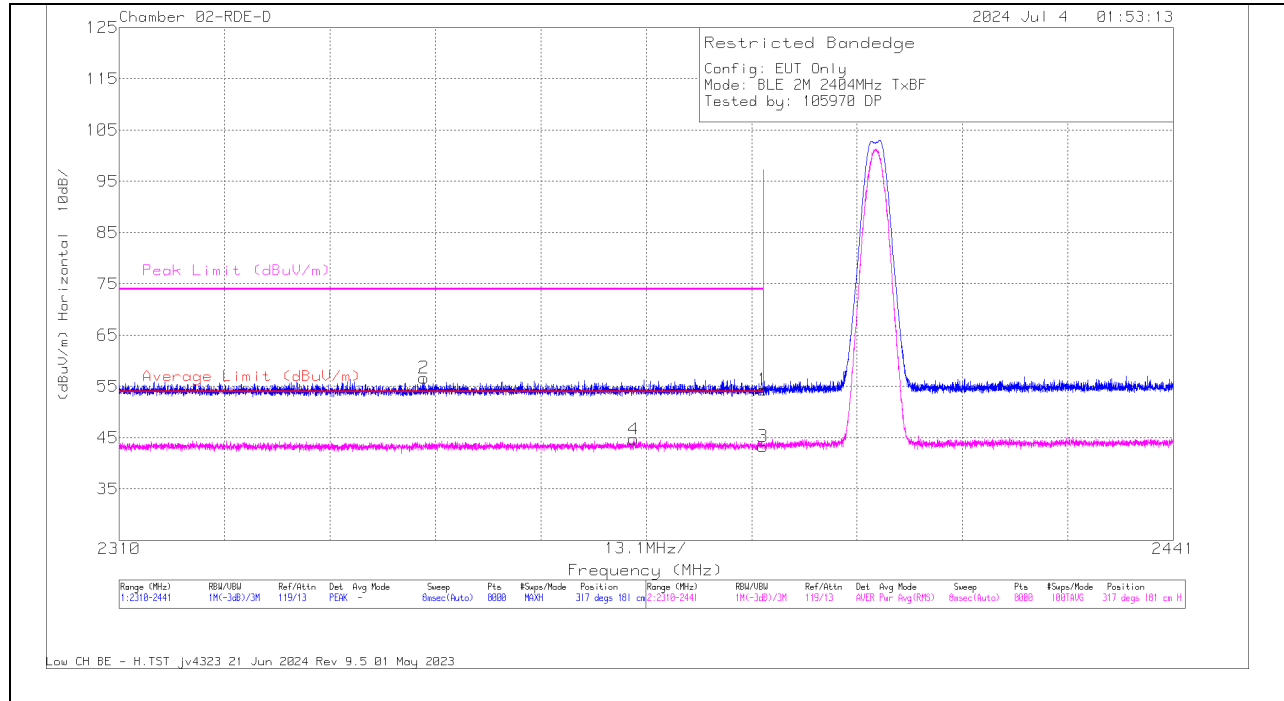
Pk - Peak detector

RMS - RMS detection

10.2.8. LOW POWER BLE TXBF (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



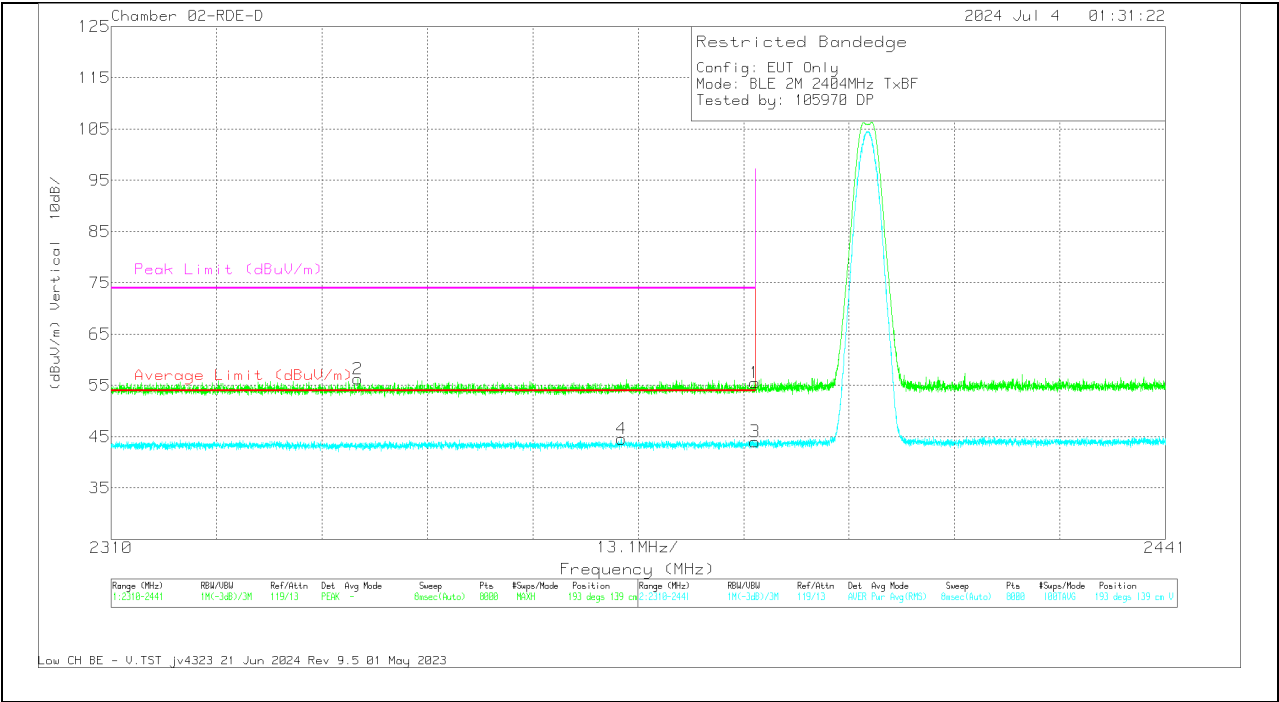
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.72	Pk	32.2	-19.6	54.32	-	-	74	-19.68	317	181	H
2	* 2347.864	44.27	Pk	32.1	-19.7	56.67	-	-	74	-17.33	317	181	H
3	* 2390	30.69	RMS	32.2	-19.6	43.29	54	-10.71	-	-	317	181	H
4	* 2373.936	32.11	RMS	32.2	-19.6	44.71	54	-9.29	-	-	317	181	H

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

Pk - Peak detector

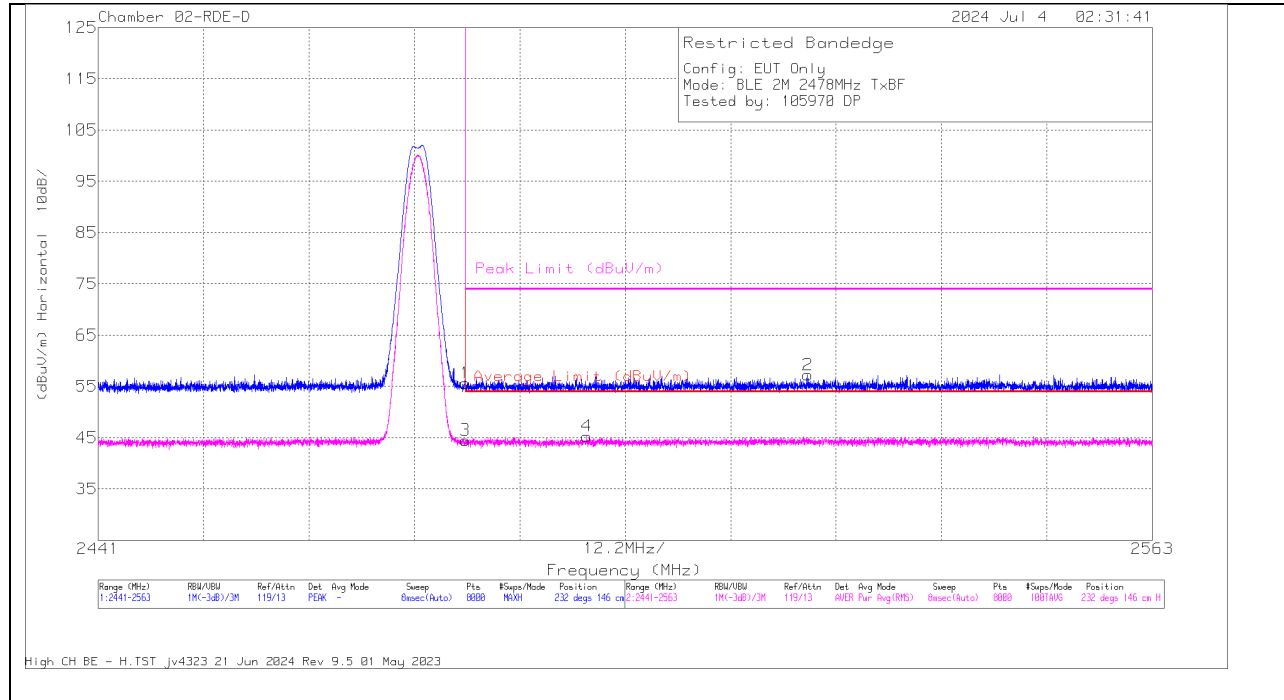
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Ampl/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	42.91	Pk	32.2	-19.6	55.51	-	-	74	-18.49	193	139	V
2	* 2340.674	43.95	Pk	32	-19.7	56.25	-	-	74	-17.75	193	139	V
3	* 2390	31.4	RMS	32.2	-19.6	44	54	-10	-	-	193	139	V
4	* 2373.395	32.07	RMS	32.1	-19.6	44.57	54	-9.43	-	-	193	139	V

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

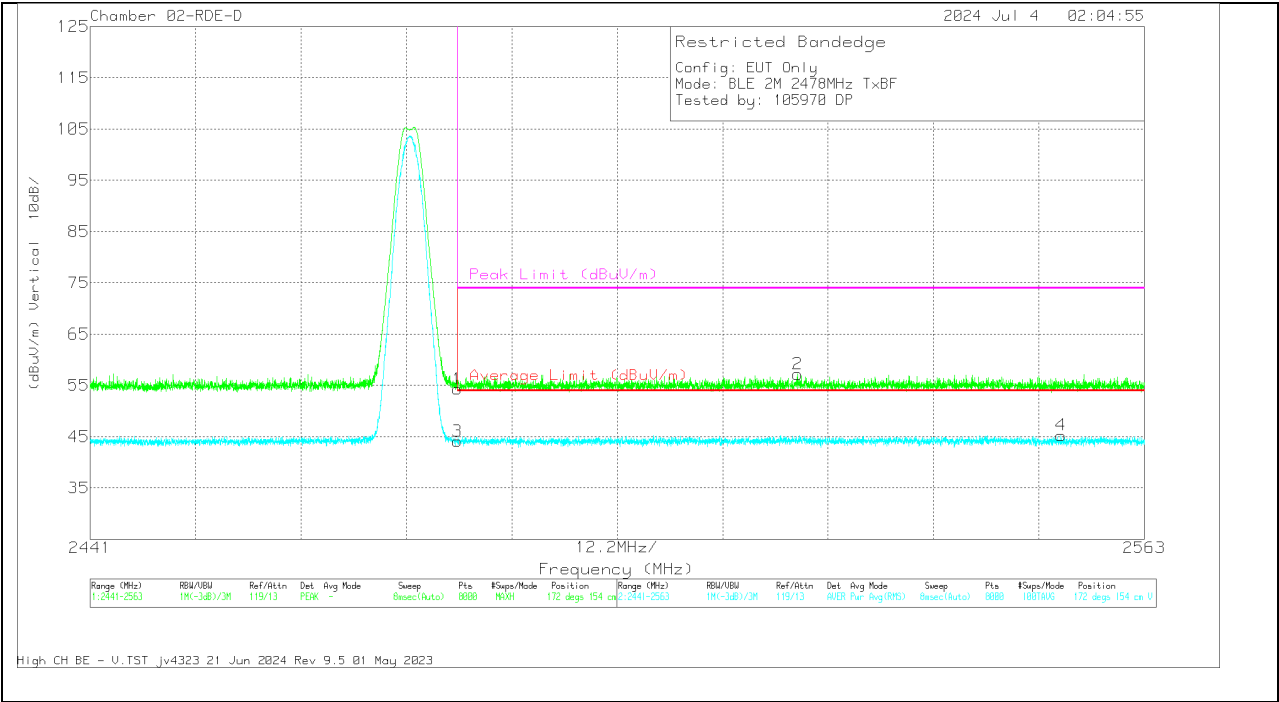
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	42.8	Pk	32.4	-19.6	55.6	-	-	74	-18.4	232	146	H
3	* 2483.5	31.69	RMS	32.4	-19.6	44.49	54	-9.51	-	-	232	146	H
4	* 2497.554	32.37	RMS	32.4	-19.5	45.27	54	-8.73	-	-	232	146	H
2	2523.132	44.03	Pk	32.4	-19.2	57.23	-	-	74	-16.77	232	146	H

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

Pk - Peak detector

RMS - RMS detection

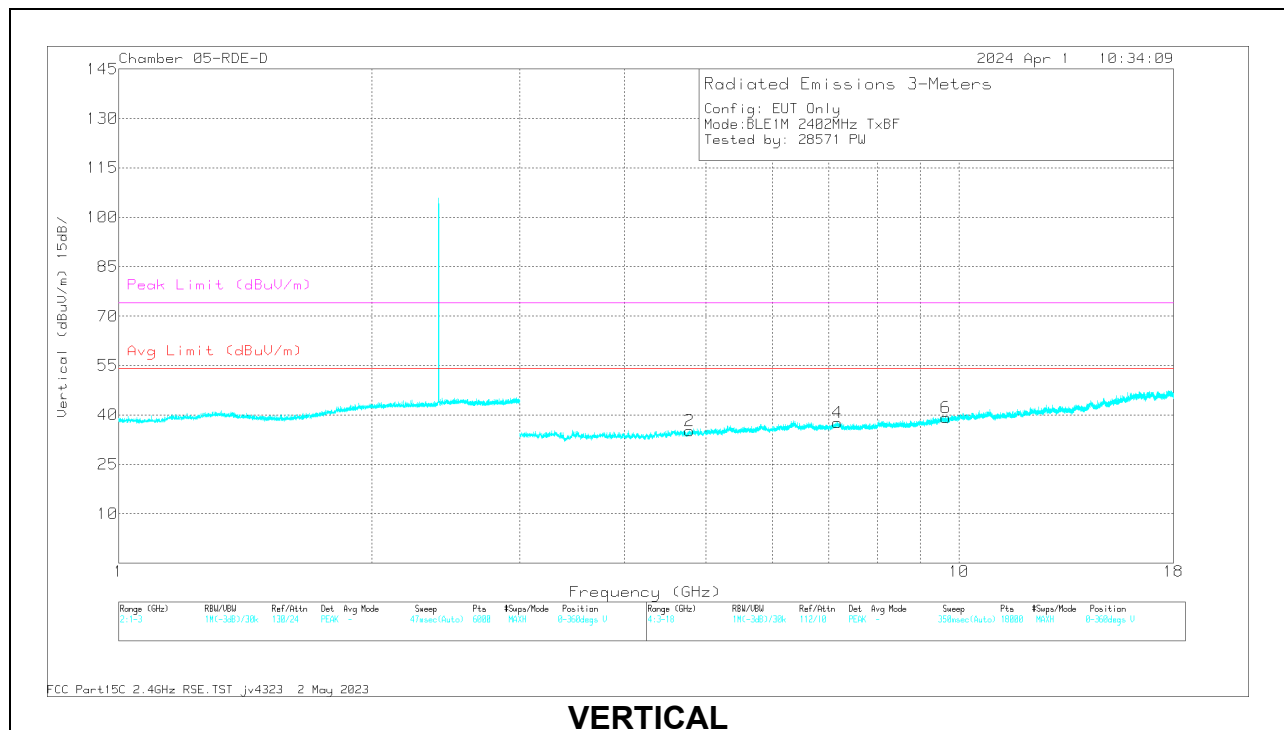
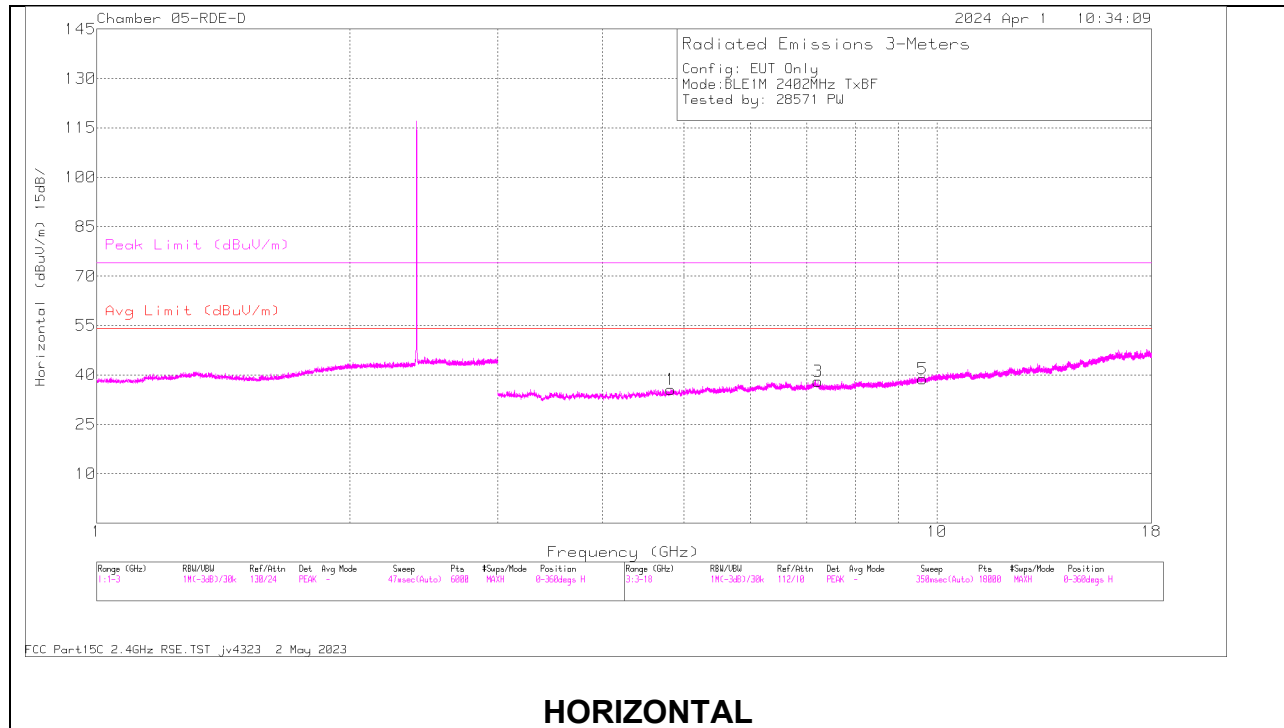
VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF(dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	41.48	Pk	32.4	-19.6	54.28	-	-	74	-19.72	172	154	V
3	* 2483.5	31.29	RMS	32.4	-19.6	44.09	54	-9.91	-	-	172	154	V
2	2522.857	44	Pk	32.4	-19.2	57.2	-	-	74	-16.8	172	154	V
4	2553.361	32.38	RMS	32.3	-19.4	45.28	54	-8.72	-	-	172	154	V

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

10.2.9. WORST CASE TXBF HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL RESULTS



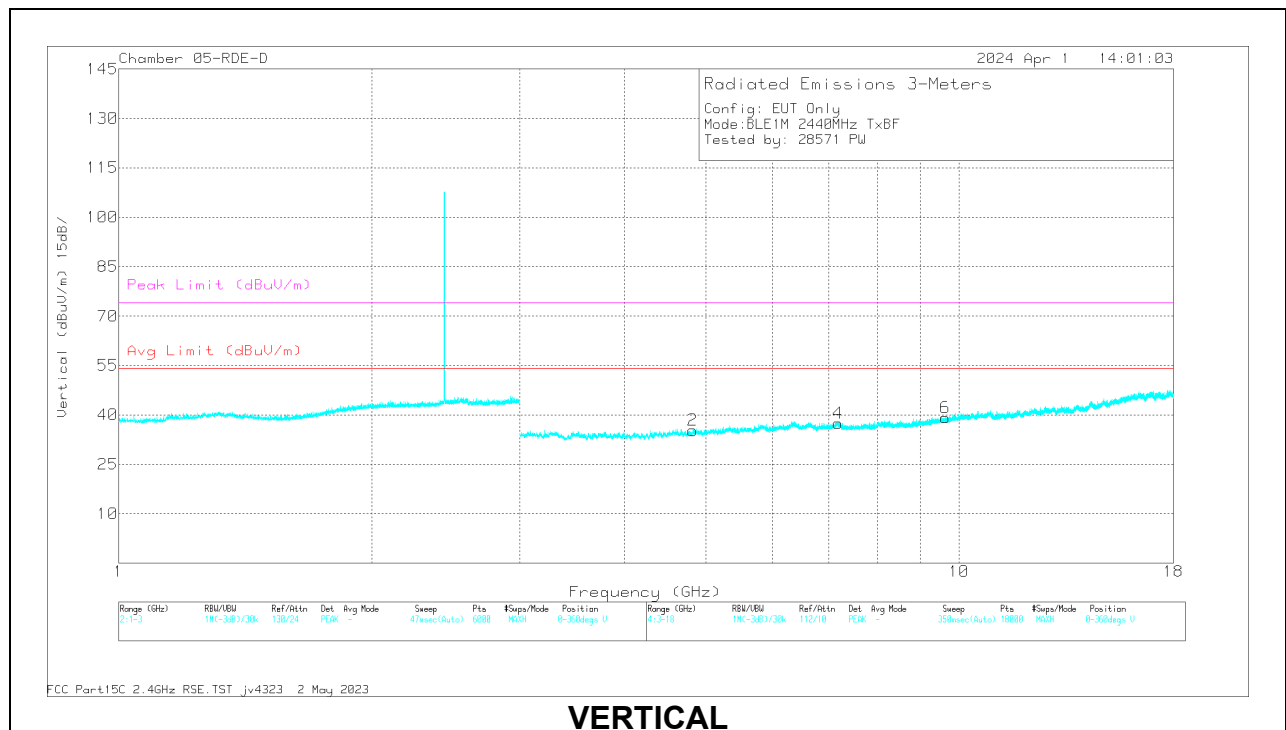
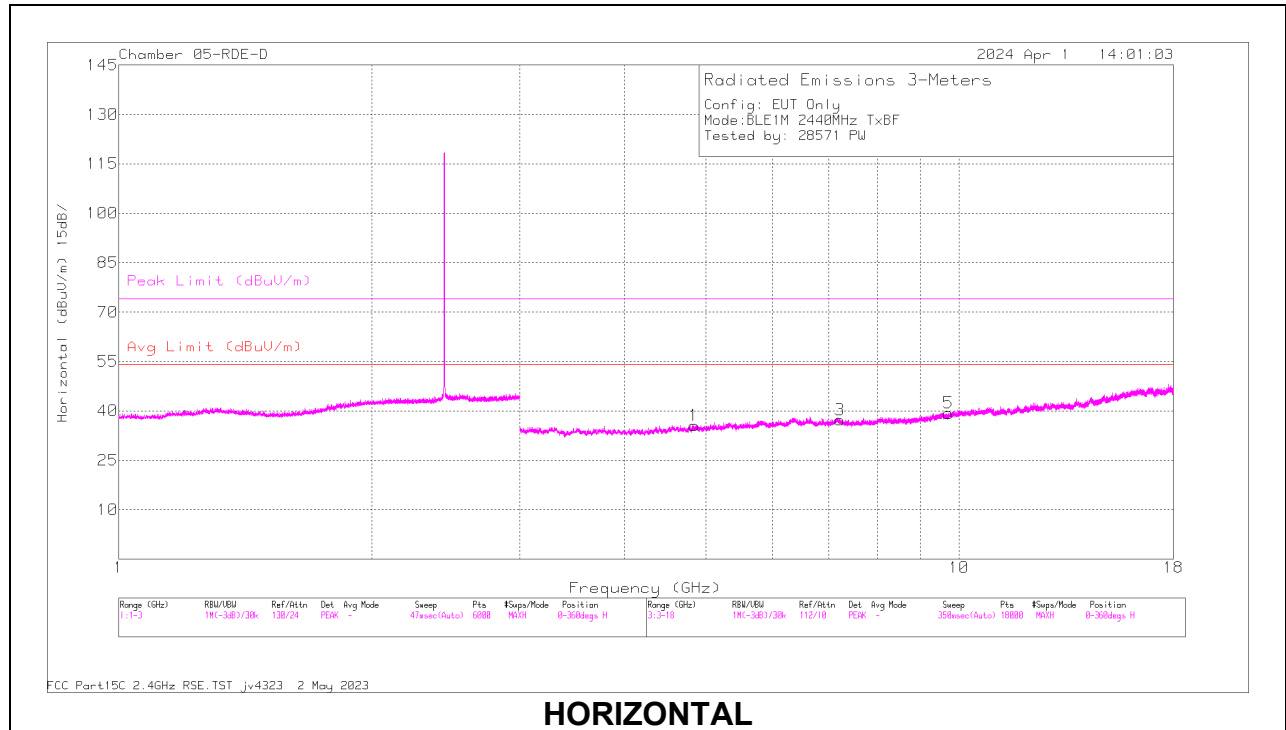
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.774413	59.13	PK2	34.3	-48.16	45.27	-	-	74	-28.73	12	371	V
4.774841	47.48	MAv1	34.3	-48.12	33.66	54	-20.34	-	-	12	371	V
4.824858	47.89	MAv1	34.3	-48.31	33.88	54	-20.12	-	-	46	307	H
4.827413	59.51	PK2	34.3	-48.44	45.37	-	-	74	-28.63	46	307	H
7.173672	45.77	MAv1	36.1	-45.67	36.2	-	-	-	-	27	266	V
7.174934	57.26	PK2	36.1	-45.7	47.66	-	-	74	-26.34	27	266	V
7.213109	57.16	PK2	36	-45.9	47.26	-	-	74	-26.74	216	366	H
7.215289	45.87	MAv1	36	-45.93	35.94	-	-	-	-	216	366	H
9.61138	46.89	MAv1	36.9	-46.16	37.63	-	-	-	-	191	333	H
9.614083	58.55	PK2	36.9	-46.1	49.35	-	-	74	-24.65	191	333	H
9.639948	46.84	MAv1	36.9	-46.3	37.44	-	-	-	-	93	154	V
9.64103	58.31	PK2	36.9	-46.2	49.01	-	-	74	-24.99	93	154	V

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



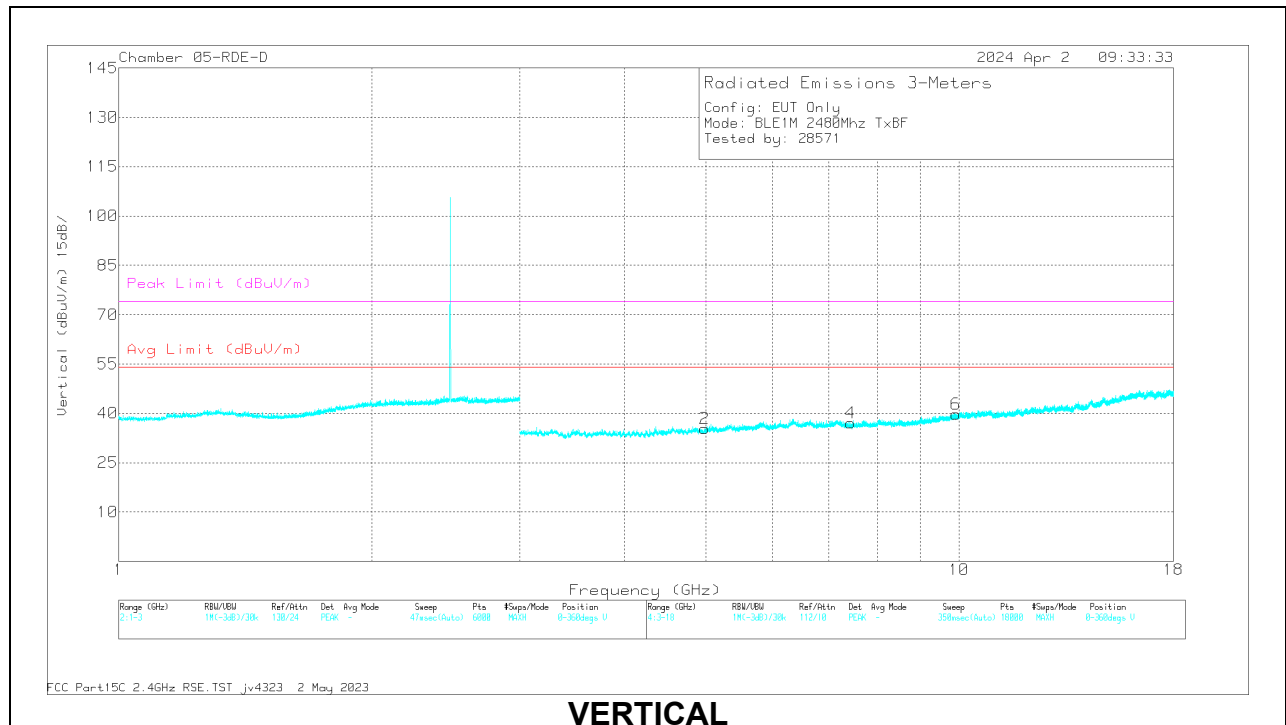
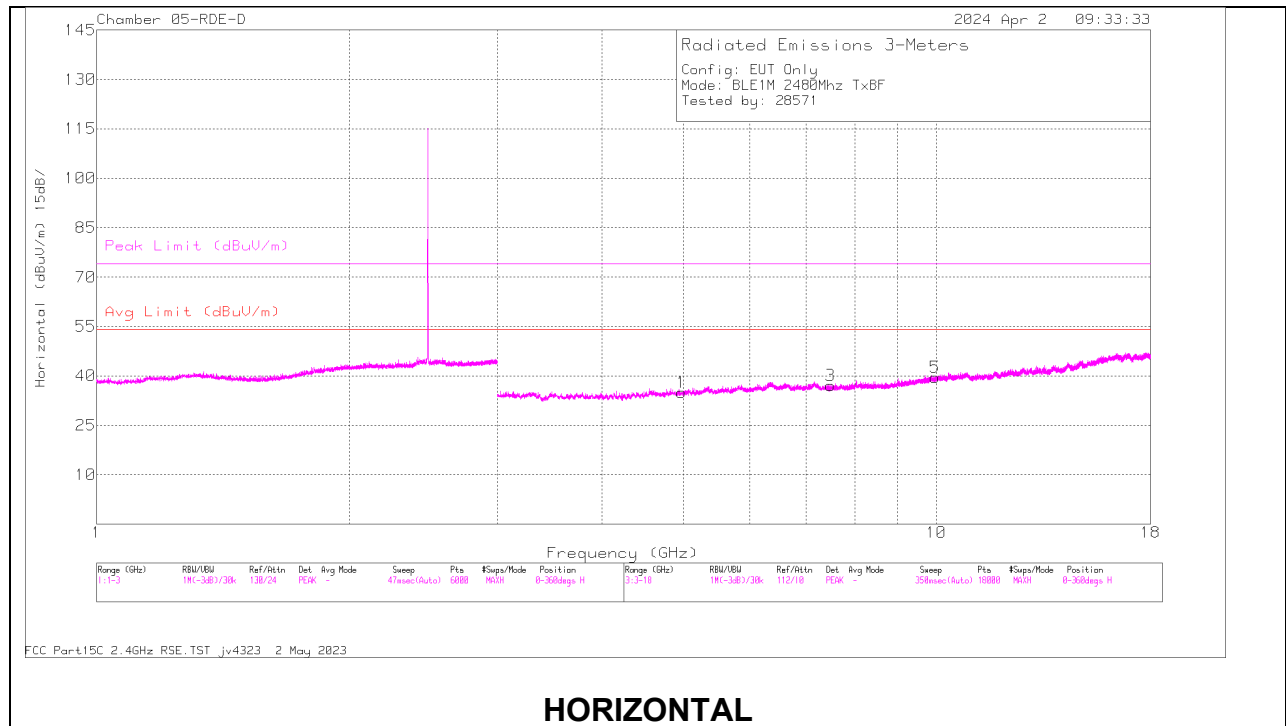
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.81469	47.9	MAv1	34.3	-48.6	33.6	54	-20.4	-	-	75	305	V
4.81679	59.32	PK2	34.3	-48.68	44.94	-	-	74	-29.06	75	305	V
4.839216	47.88	MAv1	34.3	-48.4	33.78	54	-20.22	-	-	350	148	H
4.839915	59.69	PK2	34.3	-48.4	45.59	-	-	74	-28.41	350	148	H
7.1759	58.11	PK2	36.1	-45.79	48.42	-	-	74	-25.58	226	207	V
7.176296	45.67	MAv1	36.1	-45.8	35.97	-	-	-	-	226	207	V
7.219893	45.87	MAv1	36	-46	35.87	-	-	-	-	1	174	H
7.220033	57.5	PK2	36	-46	47.5	-	-	74	-26.5	1	174	H
9.624236	46.8	MAv1	36.9	-46.3	37.4	-	-	-	-	312	176	V
9.62682	58.31	PK2	36.9	-46.22	48.99	-	-	74	-25.01	312	176	V
9.710872	58.04	PK2	37	-46.2	48.84	-	-	74	-25.16	224	138	H
9.711152	46.62	MAv1	37	-46.2	37.42	-	-	-	-	224	138	H

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.968957	59.36	PK2	34.4	-48	45.76	-	-	74	-28.24	78	337	H
* 4.968155	47.36	MAv1	34.4	-48.08	33.68	54	-20.32	-	-	78	337	H
* 7.485647	57.52	PK2	35.8	-46.44	46.88	-	-	74	-27.12	95	267	H
* 7.484047	45.98	MAv1	35.8	-46.5	35.28	54	-18.72	-	-	95	267	H
* 4.981366	59.09	PK2	34.4	-48	45.49	-	-	74	-28.51	348	220	V
* 4.978597	47.48	MAv1	34.4	-47.96	33.92	54	-20.08	-	-	348	220	V
* 7.435665	58.32	PK2	35.8	-46.8	47.32	-	-	74	-26.68	273	339	V
* 7.434734	46.35	MAv1	35.8	-46.8	35.35	54	-18.65	-	-	273	339	V
9.92153	58.51	PK2	37.2	-46.1	49.61	-	-	74	-24.39	313	230	V
9.921775	47.07	MAv1	37.2	-46.1	38.17	-	-	-	-	313	230	V
9.967526	58.67	PK2	37.3	-46.3	49.67	-	-	74	-24.33	278	155	H
9.967772	47.42	MAv1	37.3	-46.3	38.42	-	-	-	-	278	155	H

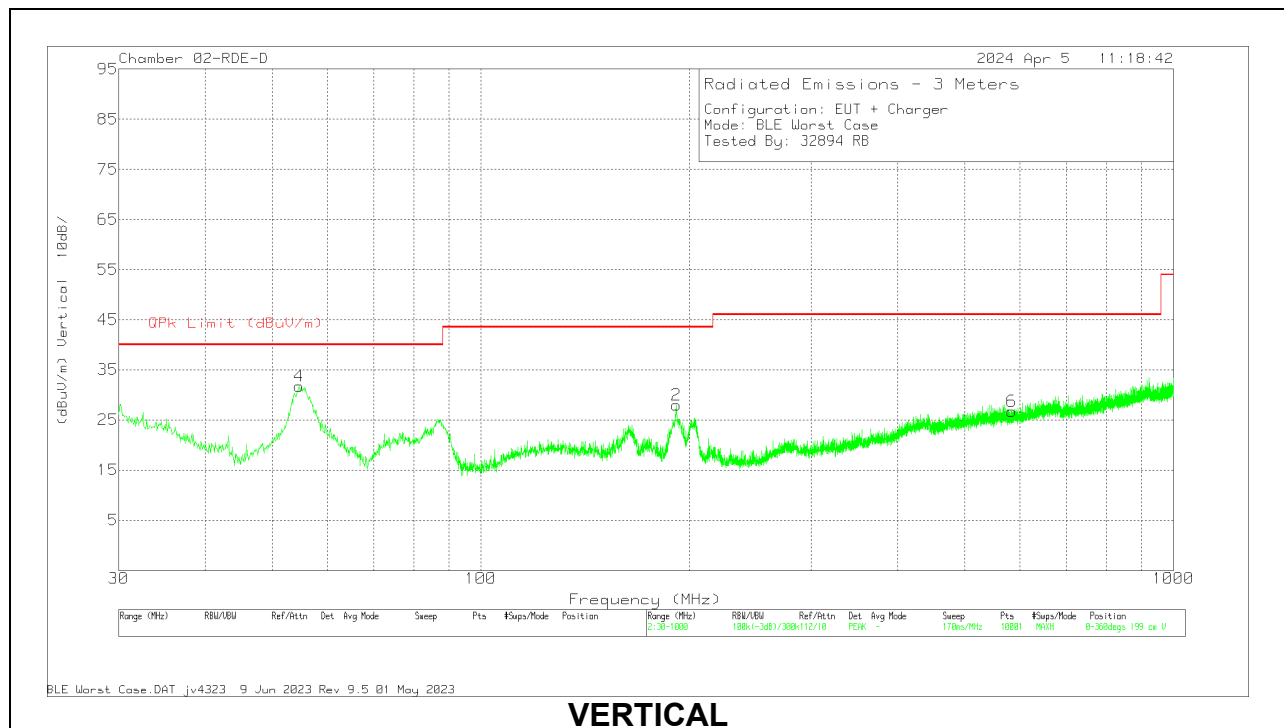
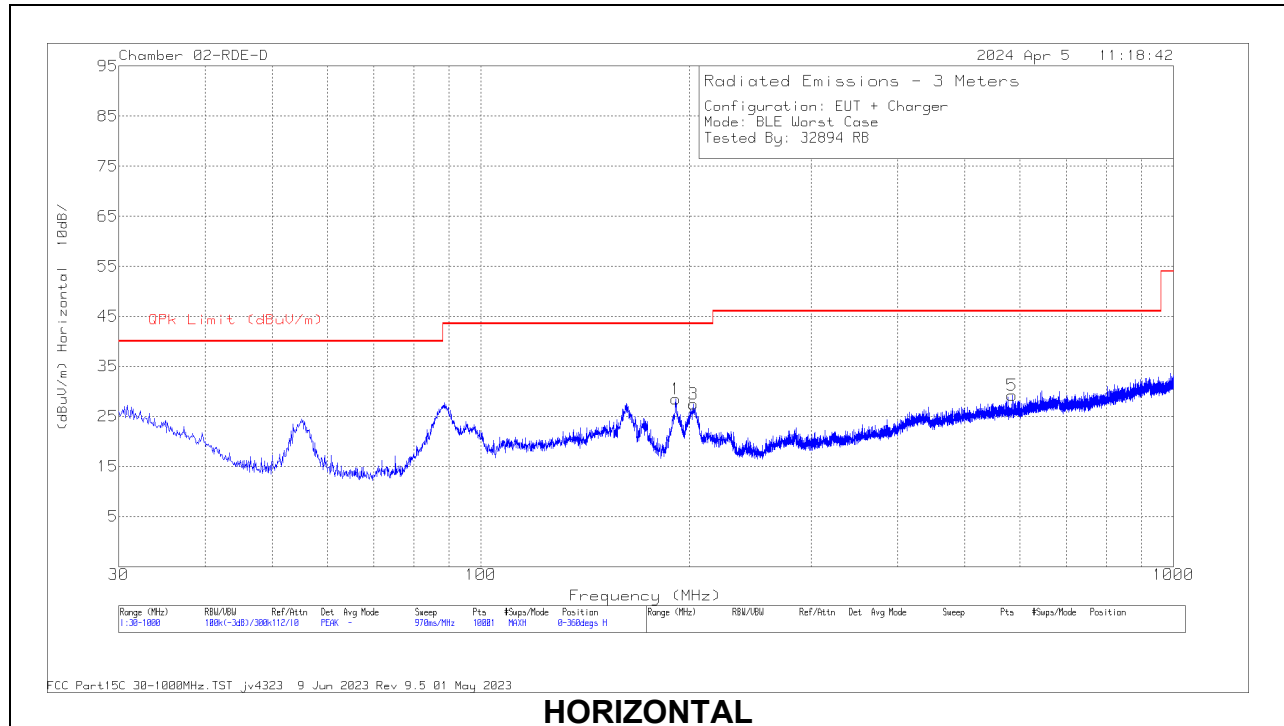
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. WORST CASE BELOW 1 GHZ

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



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	85151 ACF (dB/m)	Cbl(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	54.638	49.63	Pk	13.2	-31.1	31.73	40	-8.27	0-360	100	V
	54.638	42.24	Qp	13.2	-31	24.44	40	-15.56	204	182	V
3	88.588	44.67	Pk	13.7	-30.7	27.67	43.52	-15.85	0-360	399	H
1	191.311	40.85	Pk	17.3	-29.7	28.45	43.52	-15.07	0-360	98	H
2	191.408	40.41	Pk	17.3	-29.7	28.01	43.52	-15.51	0-360	100	V
6	584.549	30.17	Pk	24.2	-27.6	26.77	46.02	-19.25	0-360	199	V
5	584.743	32.63	Pk	24.2	-27.6	29.23	46.02	-16.79	0-360	299	H

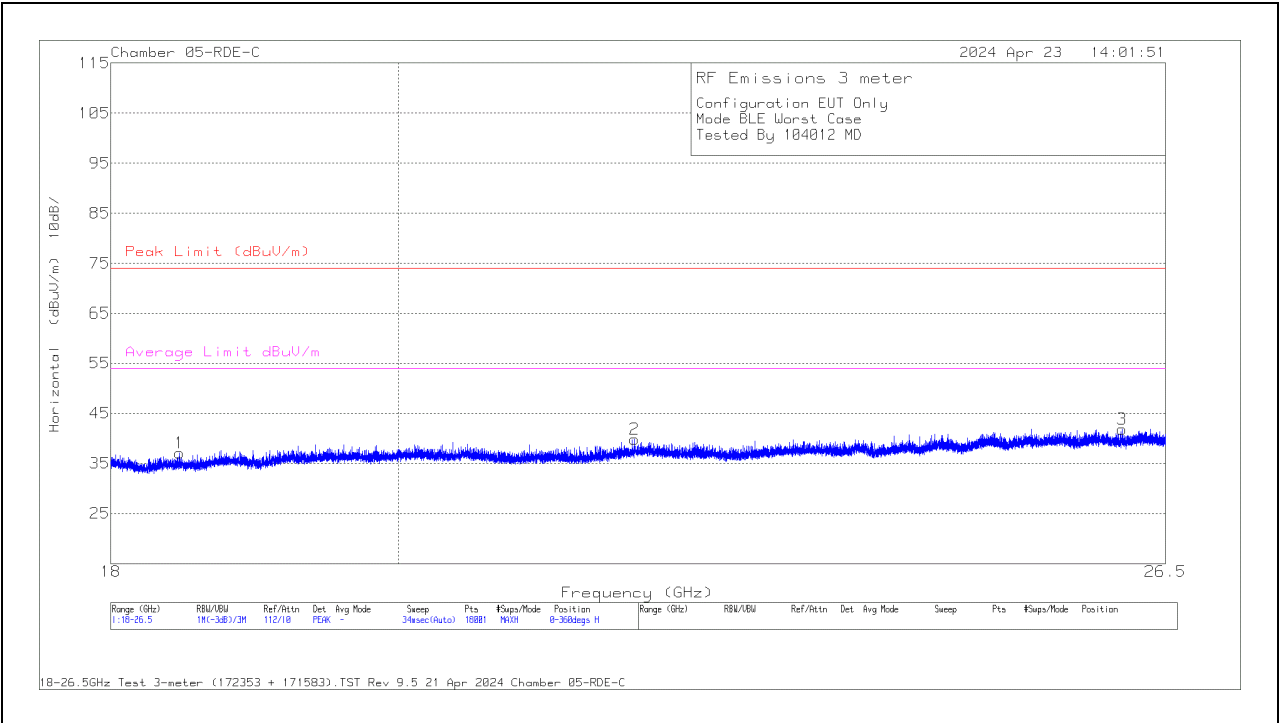
Pk - Peak detector

Qp - Quasi-Peak detector

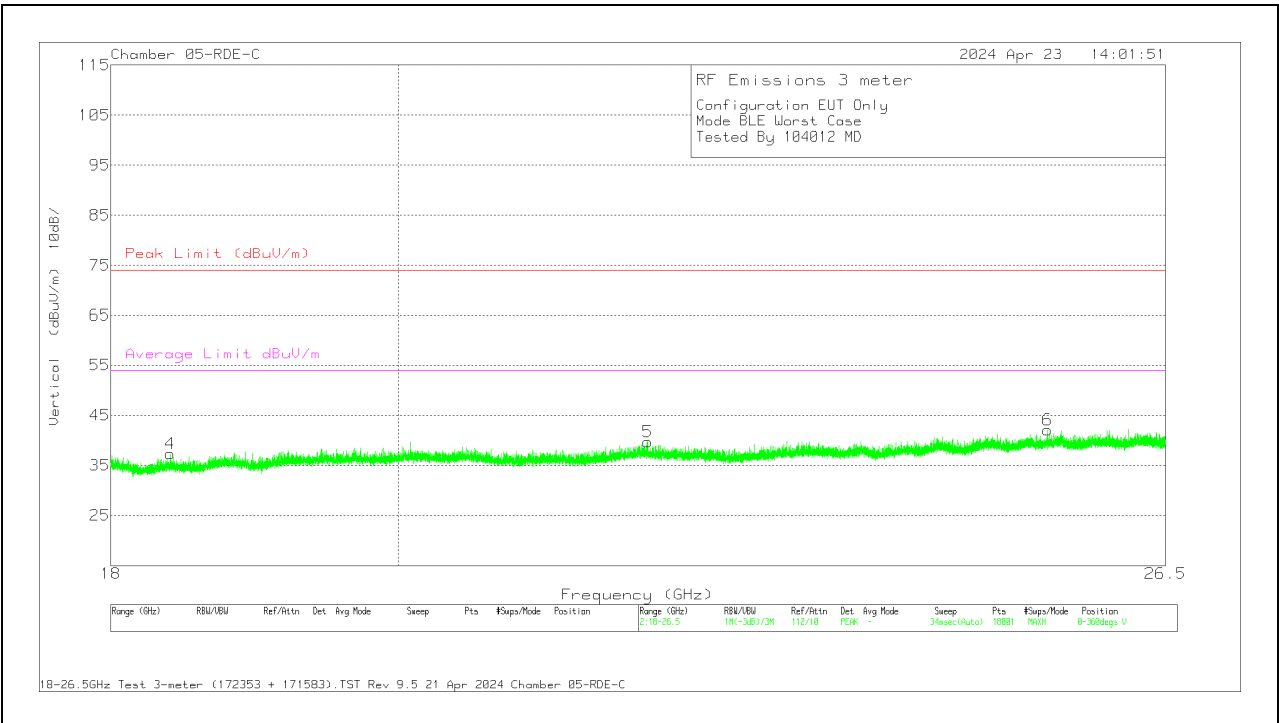
10.4. **WORST CASE 18-26 GHz**

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

HORIZONTAL



VERTICAL



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172353 ACF (dB/m) - 3mH	171583 Amp Assembly (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	18.396666	58.31	Pk	32.6	-66.1	12.5	37.31	74	-36.69	54	-16.69	0-360	200	V
1	18.459472	58.14	Pk	32.6	-66.1	12.5	37.14	74	-36.86	54	-16.86	0-360	101	H
2	21.810359	57.66	Pk	33.6	-65	13.6	39.86	74	-34.14	54	-14.14	0-360	200	H
5	21.915665	57.57	Pk	33.7	-65.2	13.7	39.77	74	-34.23	54	-14.23	0-360	101	V
6	25.379885	56.44	Pk	34.6	-63.8	14.8	42.04	74	-31.96	54	-11.96	0-360	101	V
3	26.084913	55.17	Pk	34.8	-63.1	15	41.87	74	-32.13	54	-12.13	0-360	101	H

Pk - Peak detector

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.

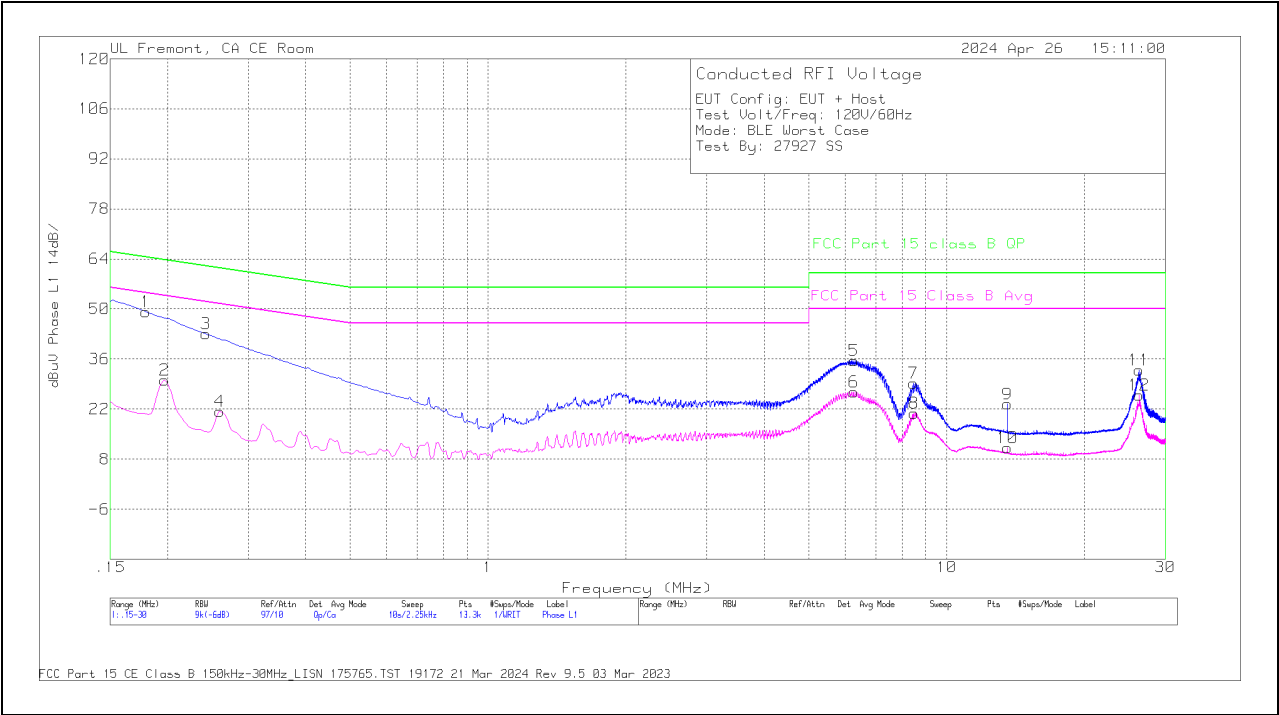
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC POWER LINE WITH LAPTOP

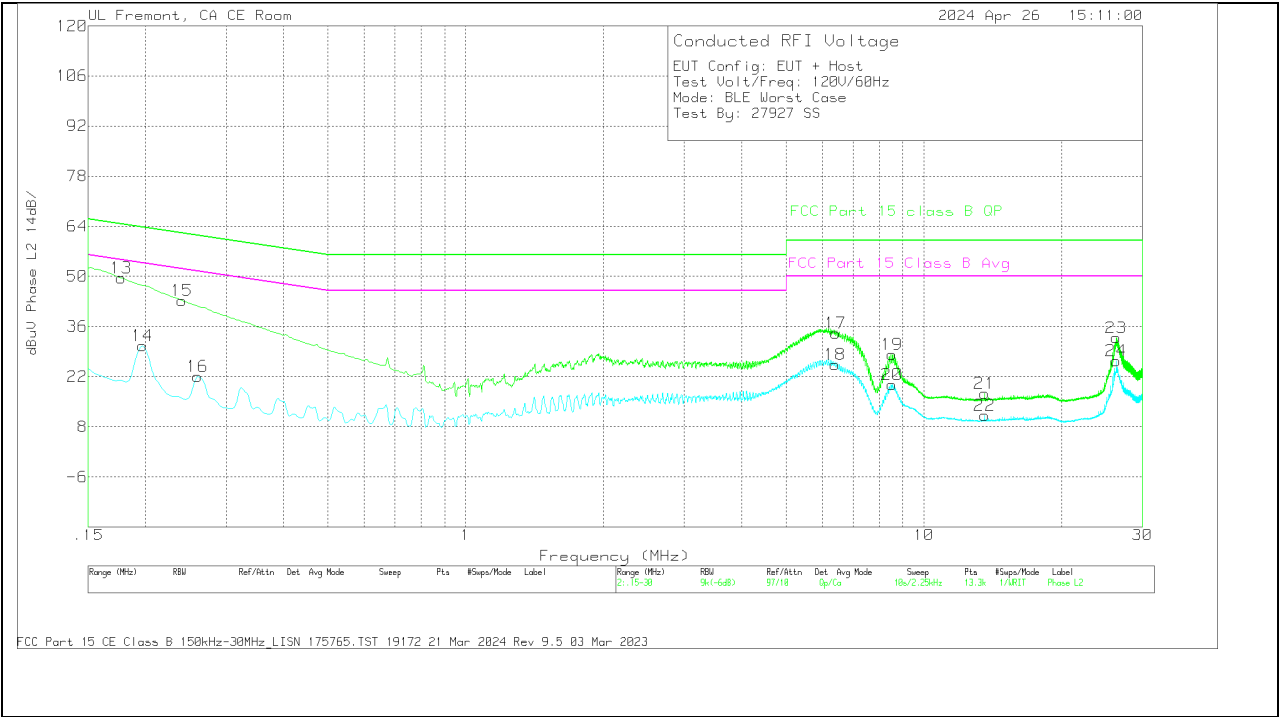
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trms Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
2	.1973	10.51	Ca	.1	.1	9.4	10	30.11	53.73	-23.62	-	-
4	.2603	2.01	Ca	0	0	9.4	10	21.41	51.42	-30.01	-	-
6	6.2745	7.23	Ca	.2	0	9.4	10	26.83	50	-23.17	-	-
8	8.493	1.29	Ca	.2	0	9.4	10	20.89	50	-29.11	-	-
10	13.56	-8.65	Ca	.3	.1	9.5	10	11.25	50	-38.75	-	-
12	26.2703	6.02	Ca	.3	.2	9.4	10	25.92	50	-24.08	-	-
1	.1793	29.63	Qp	.1	.1	9.4	10	49.23	-	-	64.52	-15.29
3	.2423	23.62	Qp	0	0	9.4	10	43.02	-	-	62.02	-19
5	6.2768	16.05	Qp	.2	0	9.3	10	35.55	-	-	60	-24.45
7	8.475	9.7	Qp	.2	0	9.4	10	29.3	-	-	60	-30.7
9	13.56	3.47	Qp	.3	.1	9.5	10	23.37	-	-	60	-36.63
11	26.2703	12.98	Qp	.3	.2	9.4	10	32.88	-	-	60	-27.12

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS

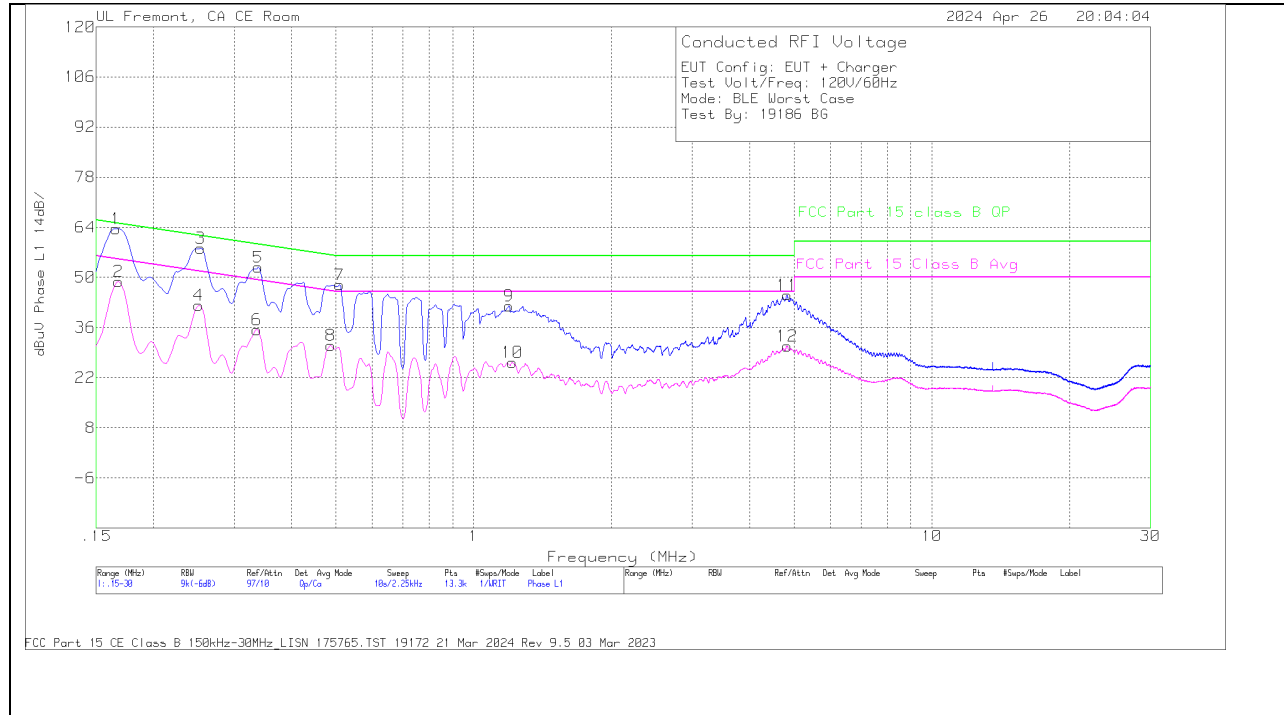


Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
14	.1973	11.14	Ca	.1	0	9.4	10	30.64	53.73	-23.09	-	-
16	.2603	2.7	Ca	0	0	9.4	10	22.1	51.42	-29.32	-	-
18	6.405	5.89	Ca	.1	0	9.4	10	25.39	50	-24.61	-	-
20	8.529	.11	Ca	.2	0	9.4	10	19.71	50	-30.29	-	-
22	13.56	-8.62	Ca	.2	.1	9.5	10	11.18	50	-38.82	-	-
24	26.2703	6.46	Ca	.3	.2	9.4	10	26.36	50	-23.64	-	-
13	.177	30.05	Qp	.1	0	9.4	10	49.55	-	-	64.63	-15.08
15	.24	23.92	Qp	0	0	9.4	10	43.32	-	-	62.1	-18.78
17	6.423	14.7	Qp	.1	0	9.4	10	34.2	-	-	60	-25.8
19	8.5301	8.6	Qp	.2	0	9.4	10	28.2	-	-	60	-31.8
21	13.56	-2.45	Qp	.2	.1	9.5	10	17.35	-	-	60	-42.65
23	26.2703	12.94	Qp	.3	.2	9.4	10	32.84	-	-	60	-27.16

Qp - Quasi-Peak detector
Ca - CISPR average detection

11.1.2. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

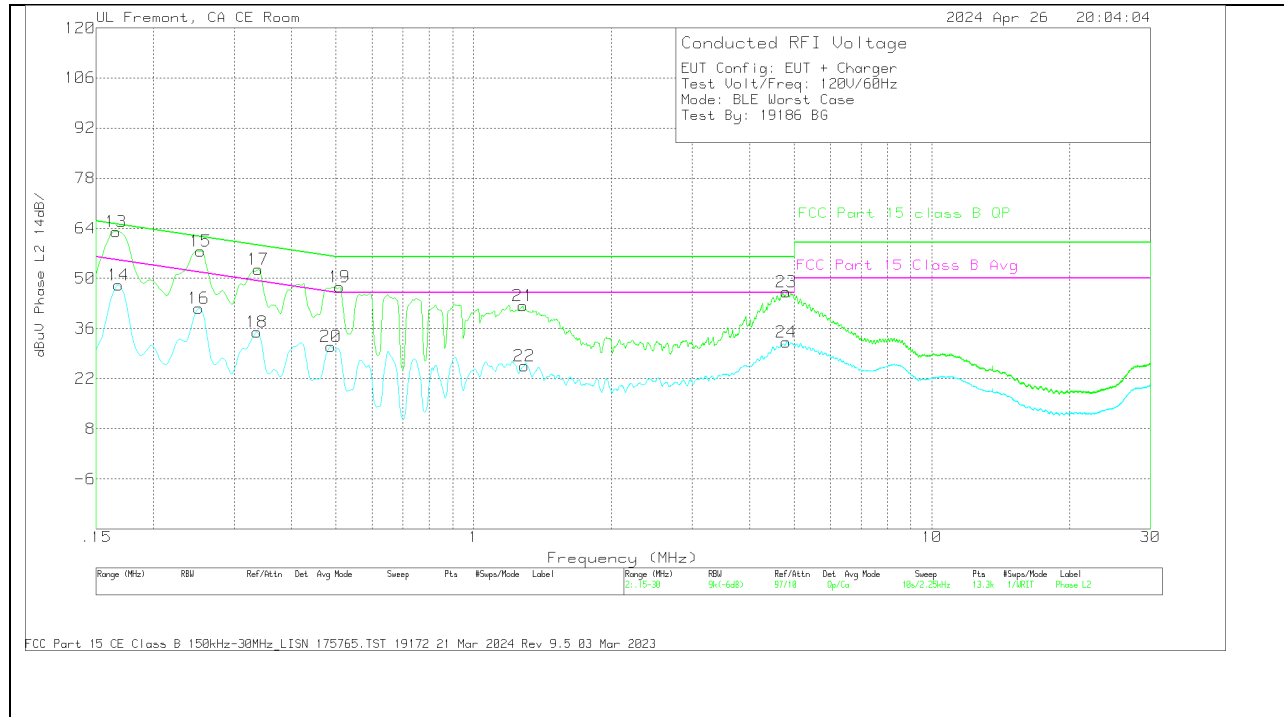


Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trms Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
2	.168	29.25	Ca	0	.1	9.5	10	48.85	55.06	-6.21	-	-
4	.2513	22.81	Ca	0	0	9.4	10	42.21	51.72	-9.51	-	-
6	.3368	16.03	Ca	0	0	9.4	10	35.43	49.28	-13.85	-	-
8	.4875	11.63	Ca	0	0	9.3	10	30.93	46.21	-15.28	-	-
10	1.2143	6.76	Ca	.1	0	9.4	10	26.26	46	-19.74	-	-
12	4.8311	11.28	Ca	.2	0	9.4	10	30.88	46	-15.12	-	-
1	.1658	43.92	Qp	0	.1	9.5	10	63.52	-	-	65.17	-1.65
3	.2535	38.78	Qp	0	0	9.4	10	58.18	-	-	61.64	-3.46
5	.339	33.41	Qp	0	0	9.4	10	52.81	-	-	59.23	-6.42
7	.51	28.6	Qp	0	0	9.3	10	47.9	-	-	56	-8.1
9	1.194	22.55	Qp	.1	0	9.4	10	42.05	-	-	56	-13.95
11	4.8289	25.48	Qp	.2	0	9.4	10	45.08	-	-	56	-10.92

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trms Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
14	.168	28.6	Ca	0	.1	9.5	10	48.2	55.06	-6.86	-	-
16	.2513	22.31	Ca	0	0	9.4	10	41.71	51.72	-10.01	-	-
18	.3368	15.58	Ca	.1	0	9.4	10	35.08	49.28	-14.2	-	-
20	.4875	11.62	Ca	0	0	9.3	10	30.92	46.21	-15.29	-	-
22	1.2885	6.11	Ca	0	0	9.4	10	25.51	46	-20.49	-	-
24	4.812	12.73	Ca	.1	0	9.4	10	32.23	46	-13.77	-	-
13	.1658	43.47	Qp	0	.1	9.5	10	63.07	-	-	65.17	-2.1
15	.2535	38.26	Qp	0	0	9.4	10	57.66	-	-	61.64	-3.98
17	.339	32.98	Qp	.1	0	9.4	10	52.48	-	-	59.23	-6.75
19	.51	28.32	Qp	0	0	9.3	10	47.62	-	-	56	-8.38
21	1.2818	22.91	Qp	0	0	9.4	10	42.31	-	-	56	-13.69
23	4.812	26.74	Qp	.1	0	9.4	10	46.24	-	-	56	-9.76

Qp - Quasi-Peak detector

Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14982479-EP1V1 for setup photos