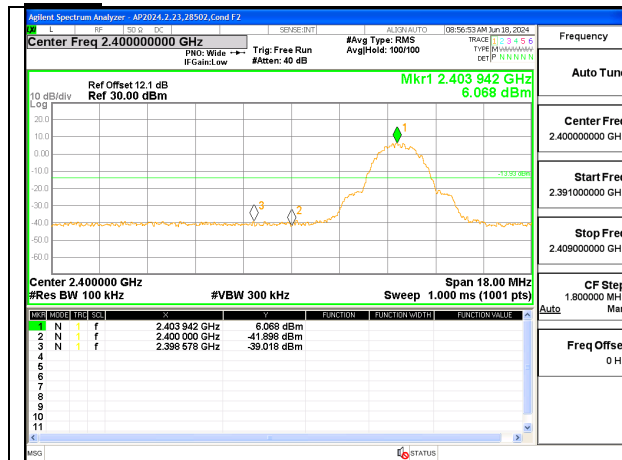
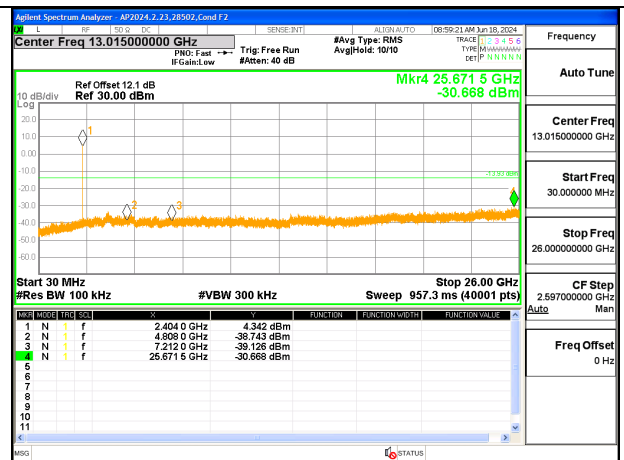


9.7.7. LOW POWER BLE (2Mbps)

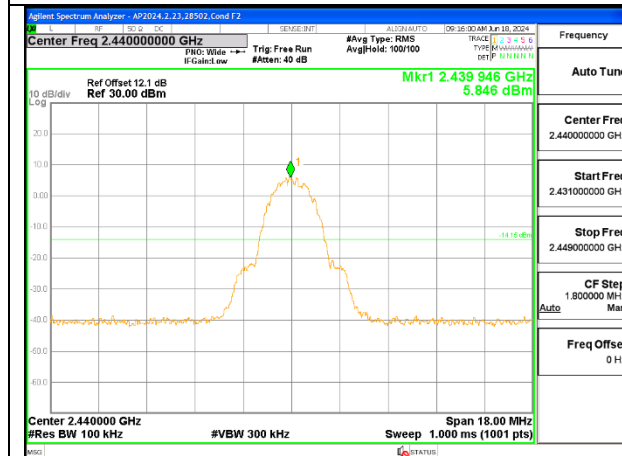
ANT 4



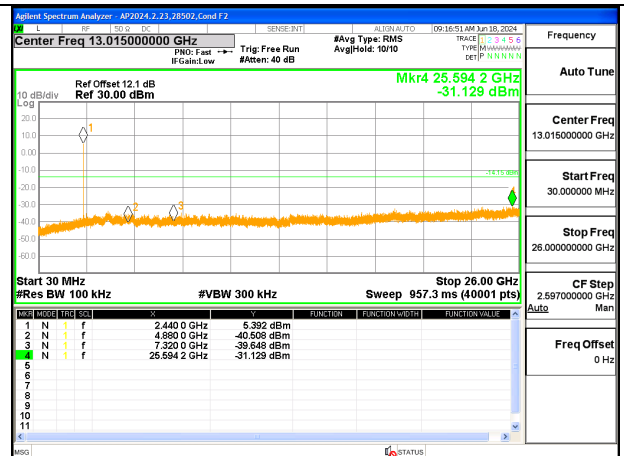
LOW CHANNEL BANDEDGE



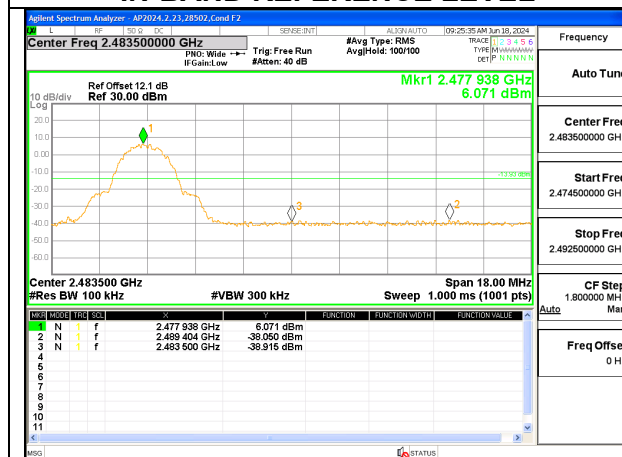
OUT-OF-BAND LOW CHANNEL



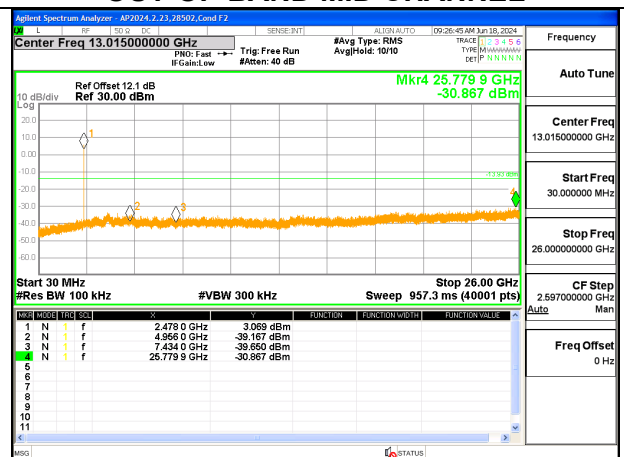
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

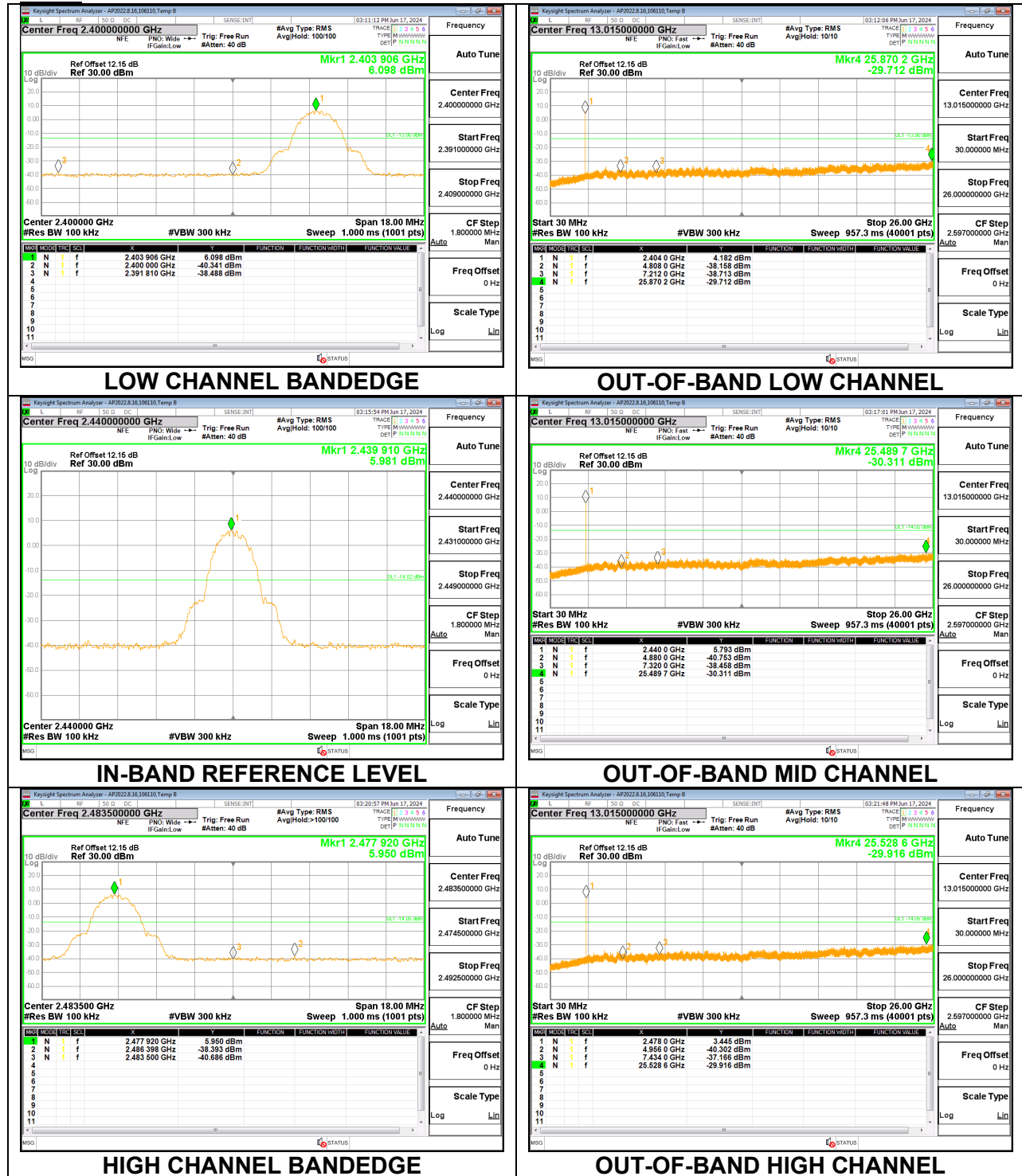


HIGH CHANNEL BANDEDGE



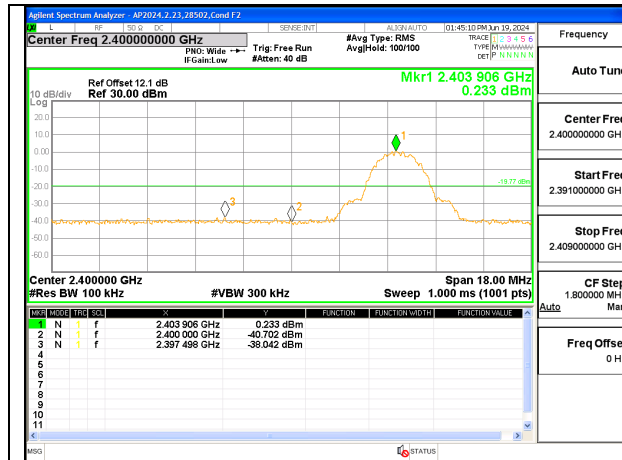
OUT-OF-BAND HIGH CHANNEL

ANT 3

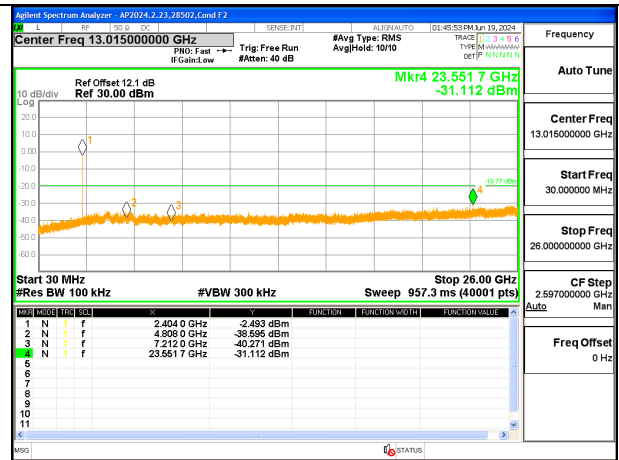


9.7.8. LOW POWER BLE TXBF (2Mbps)

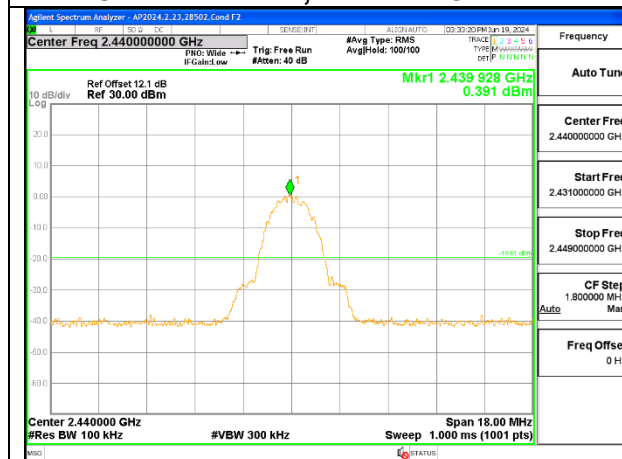
Note: Test procedures and setting are same as BLE normal mode.



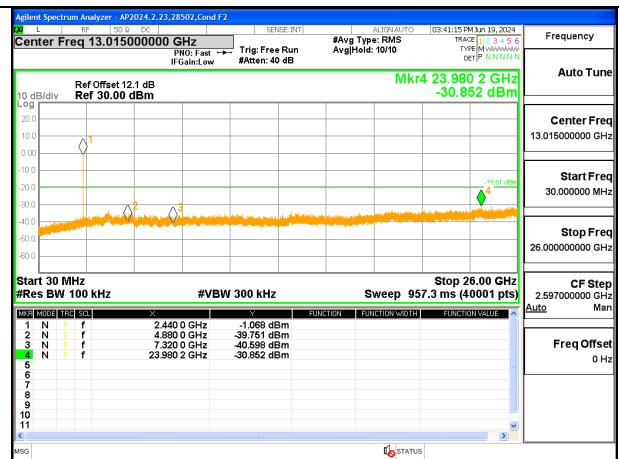
LOW CHANNEL , BANDEDGE ANT 4



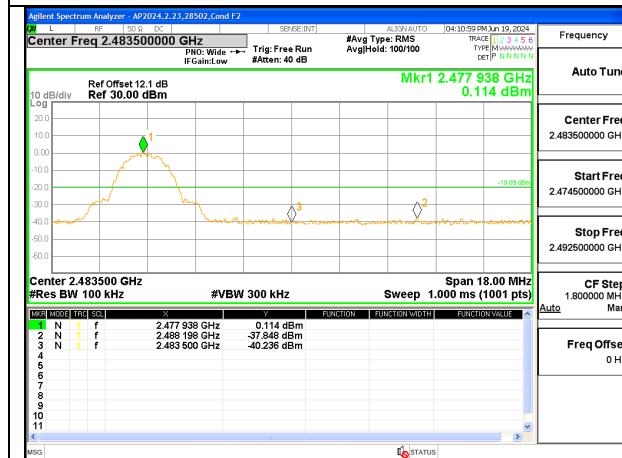
LOW CHANNEL OUT-OF-BAND ANT 4



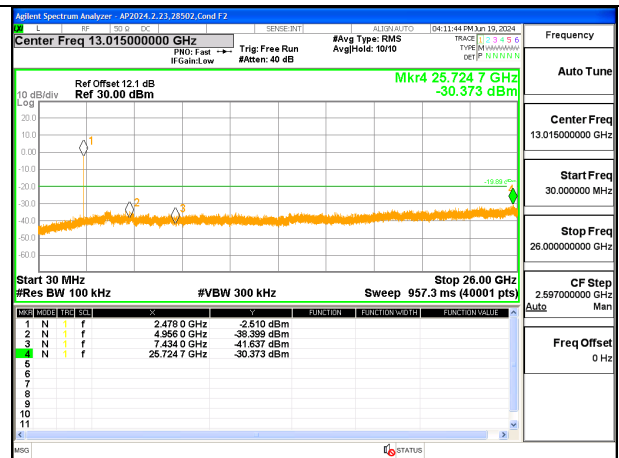
MID CHANNEL REFERENCE ANT 4



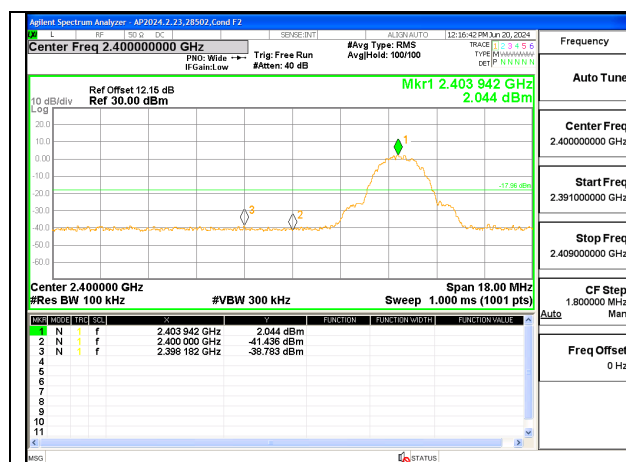
MID CHANNEL OUT-OF-BAND ANT 4



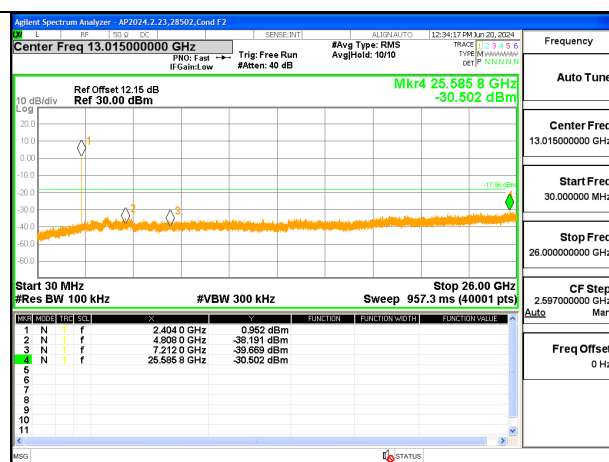
HIGH CHANNEL BANDEDGE ANT 4



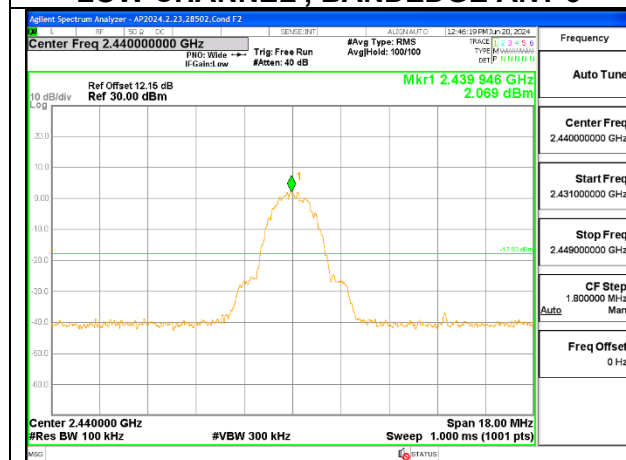
HIGH CHANNEL OUT-OF-BAND ANT 4



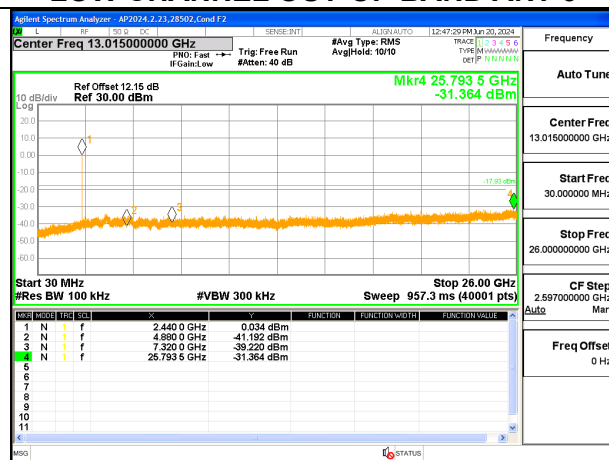
LOW CHANNEL , BANDEDGE ANT 3



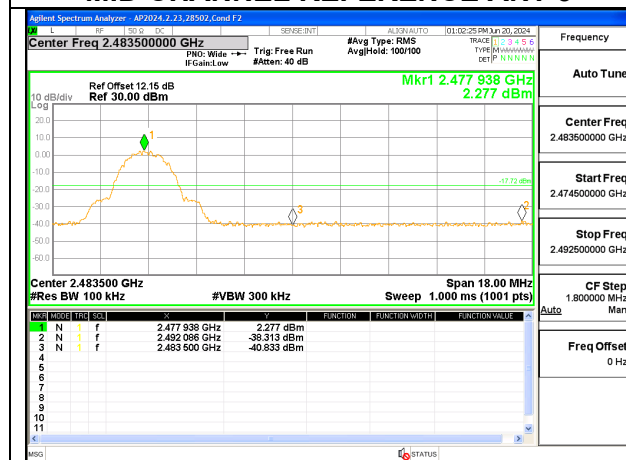
LOW CHANNEL OUT-OF-BAND ANT 3



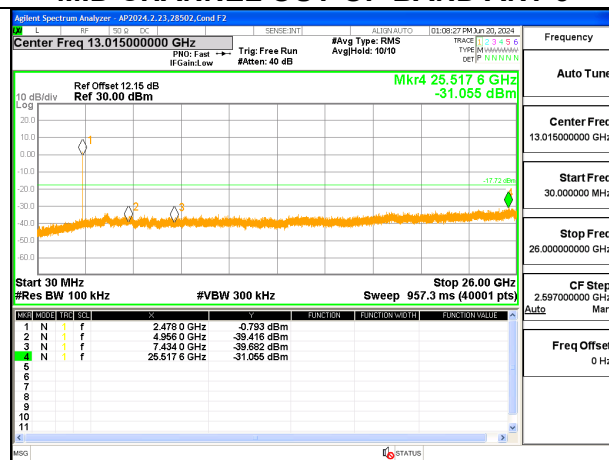
MID CHANNEL REFERENCE ANT 3



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.

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

In addition:

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

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

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

RESULTS

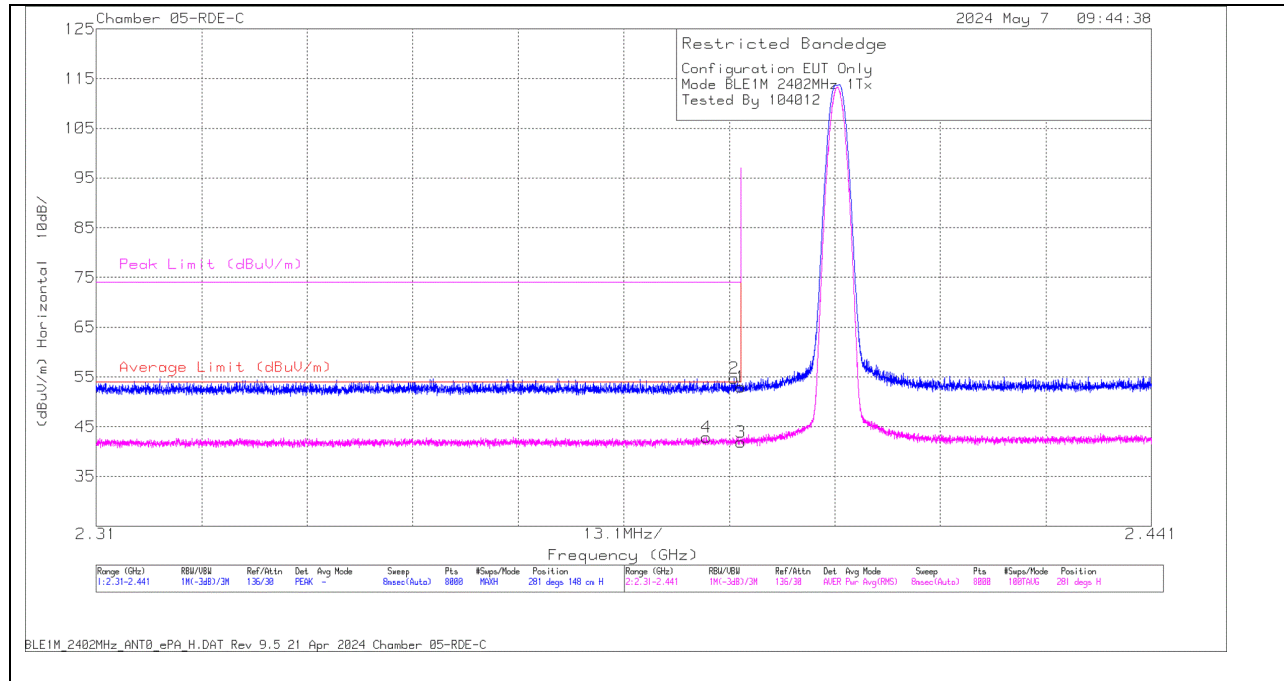
10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. HIGH POWER BLE (1Mbps)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



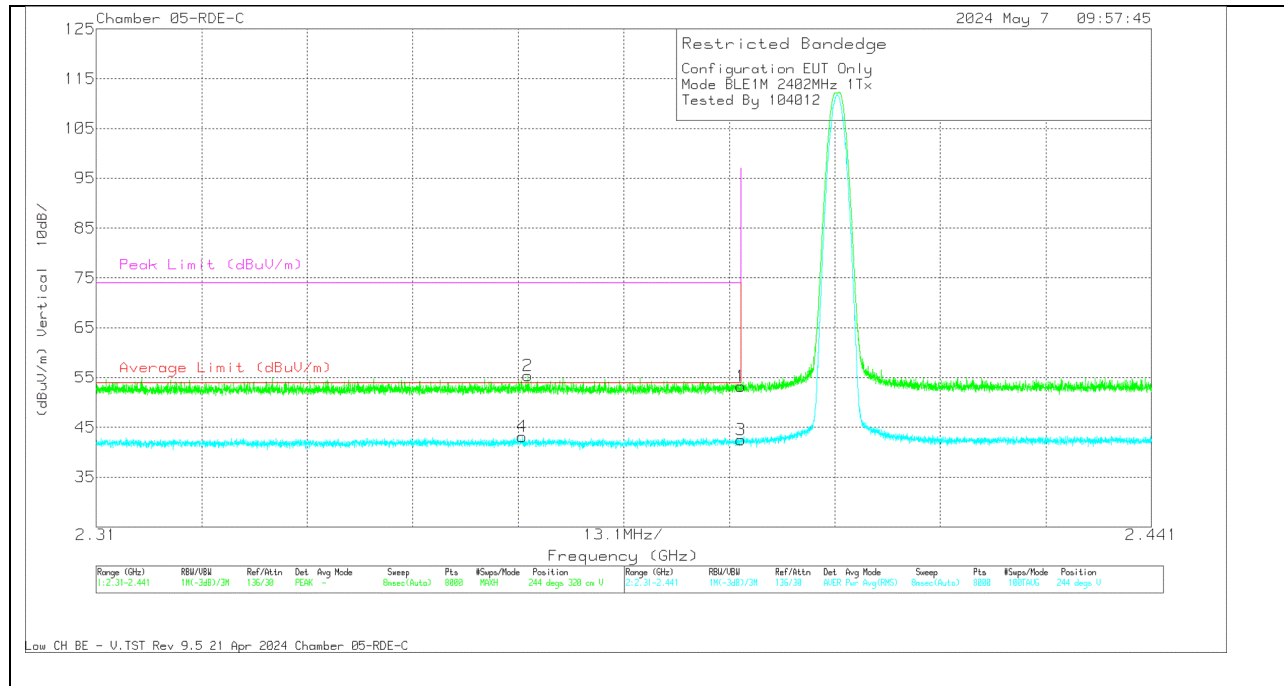
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.385793	51.25	RMS	32.1	-40.5	42.85	54	-11.15	-	-	281	148	H
2	*2.389216	63.15	Pk	32.1	-40.5	54.75	-	-	74	-19.25	281	148	H
1	*2.39	61.4	Pk	32.1	-40.5	53	-	-	74	-21	281	148	H
3	*2.39	50.33	RMS	32.1	-40.5	41.93	54	-12.07	-	-	281	148	H

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

Pk - Peak detector

RMS - RMS detection

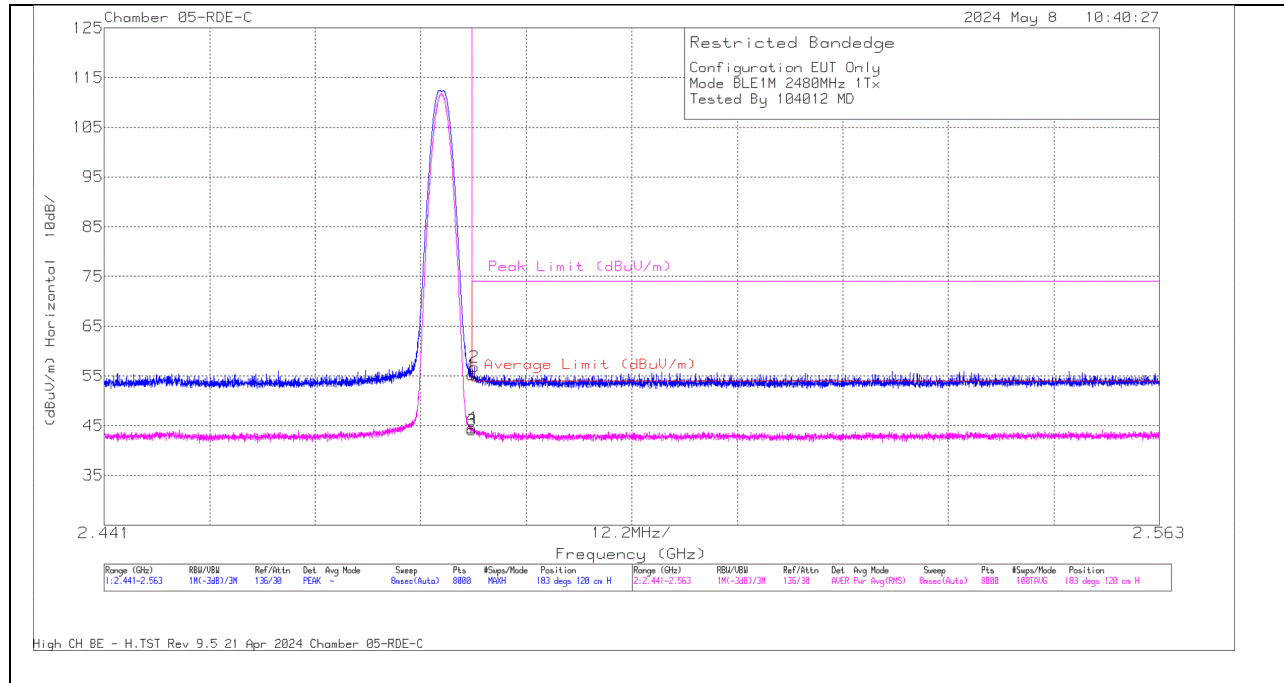
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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
4	*2.362914	51.41	RMS	32	-40.3	43.11	54	-10.89	-	-	244	320	V
2	*2.363569	63.68	Pk	32	-40.3	55.38	-	-	74	-18.62	244	320	V
1	*2.39	61.68	Pk	32.1	-40.5	53.28	-	-	74	-20.72	244	320	V
3	*2.39	50.93	RMS	32.1	-40.5	42.53	54	-11.47	-	-	244	320	V

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

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

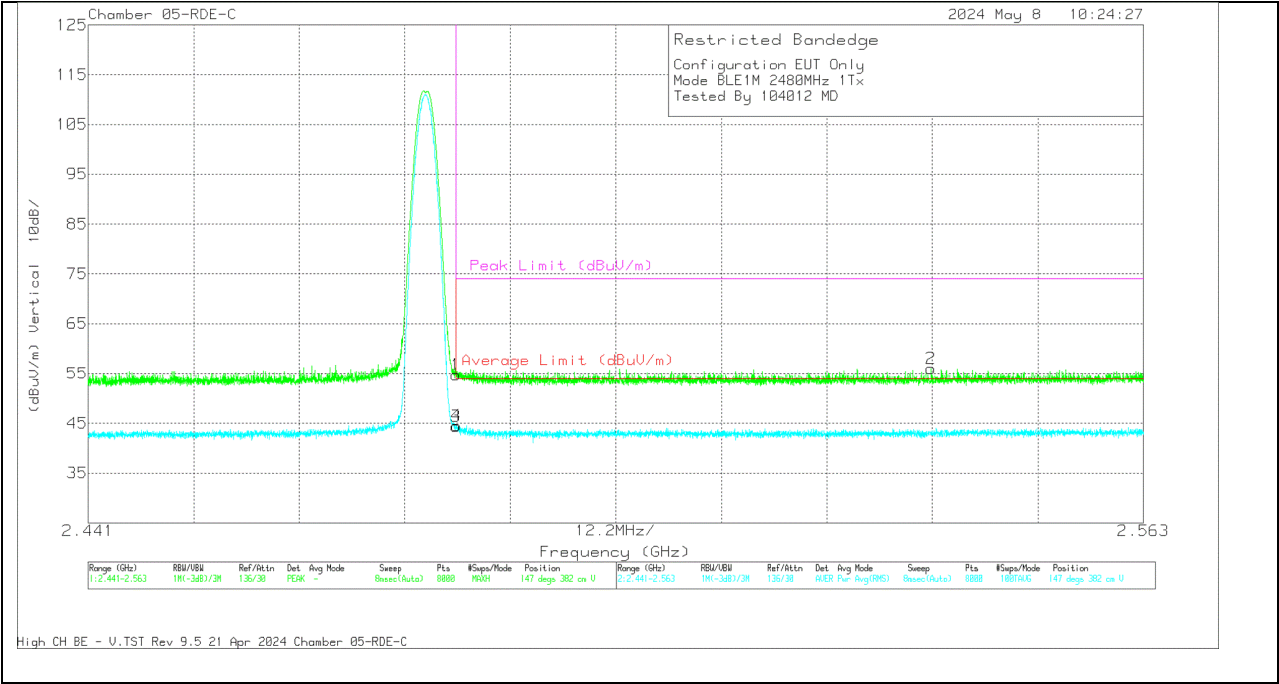
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	63.29	Pk	32.4	-40.45	55.24	-	-	74	-18.76	183	120	H
3	*2.4835	52.15	RMS	32.4	-40.45	44.1	54	-9.9	-	-	183	120	H
4	*2.483538	52.63	RMS	32.4	-40.45	44.58	54	-9.42	-	-	183	120	H
2	*2.483797	64.84	Pk	32.4	-40.42	56.82	-	-	74	-17.18	183	120	H

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

Pk - Peak detector

RMS - RMS detection

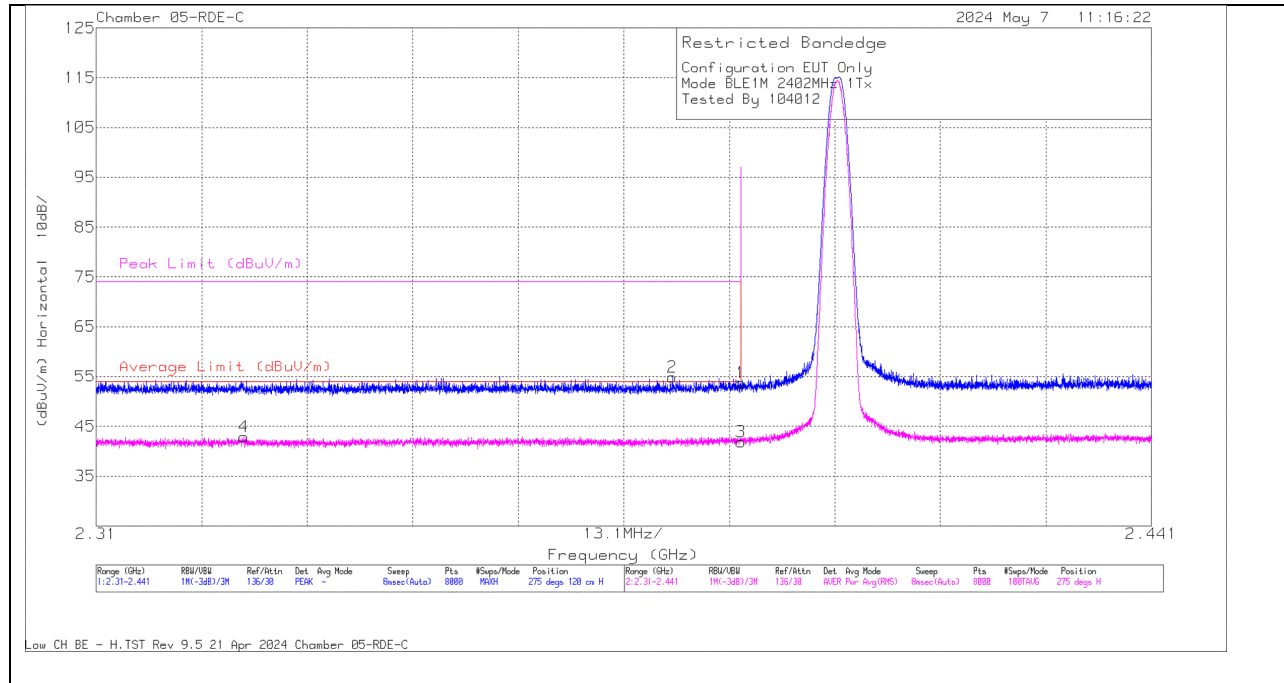
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	62.8	Pk	32.4	-40.45	54.75	-	-	74	-19.25	147	382	V
3	*2.4835	52.42	RMS	32.4	-40.45	44.37	54	-9.63	-	-	147	382	V
4	*2.483568	52.59	RMS	32.4	-40.44	44.55	54	-9.45	-	-	147	382	V
2	*2.53846	63.76	Pk	32.5	-40.3	55.96	-	-	74	-18.04	147	382	V

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

Pk - Peak detector
RMS - RMS detection

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

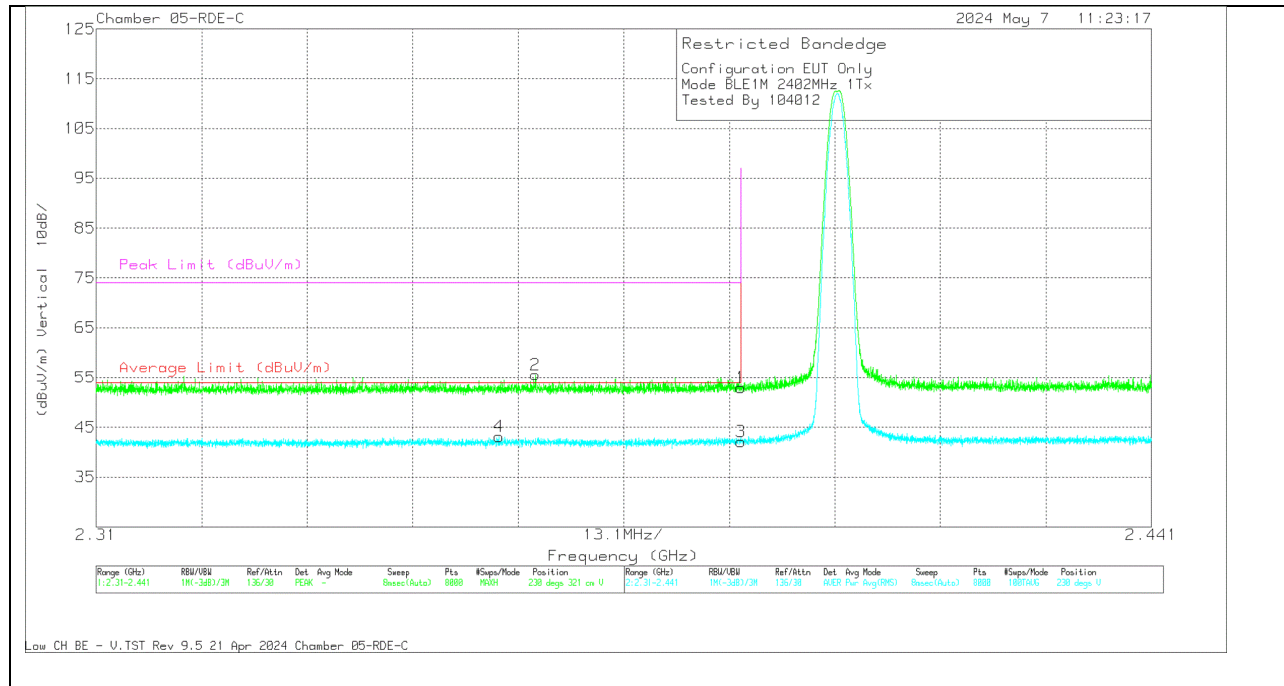
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.328309	51.43	RMS	31.9	-40.4	42.93	54	-11.07	-	-	275	120	H
2	*2.381518	63.24	Pk	32.1	-40.5	54.84	-	-	74	-19.16	275	120	H
1	*2.39	62.12	Pk	32.1	-40.5	53.72	-	-	74	-20.28	275	120	H
3	*2.39	50.24	RMS	32.1	-40.5	41.84	54	-12.16	-	-	275	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	81887 ACF 3m (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
4	*2.359983	51.4	RMS	32	-40.3	43.1	54	-10.9	-	-	230	321	V
2	*2.364552	63.86	Pk	32	-40.3	55.56	-	-	74	-18.44	230	321	V
1	*2.39	61.43	Pk	32.1	-40.5	53.03	-	-	74	-20.97	230	321	V
3	*2.39	50.56	RMS	32.1	-40.5	42.16	54	-11.84	-	-	230	321	V

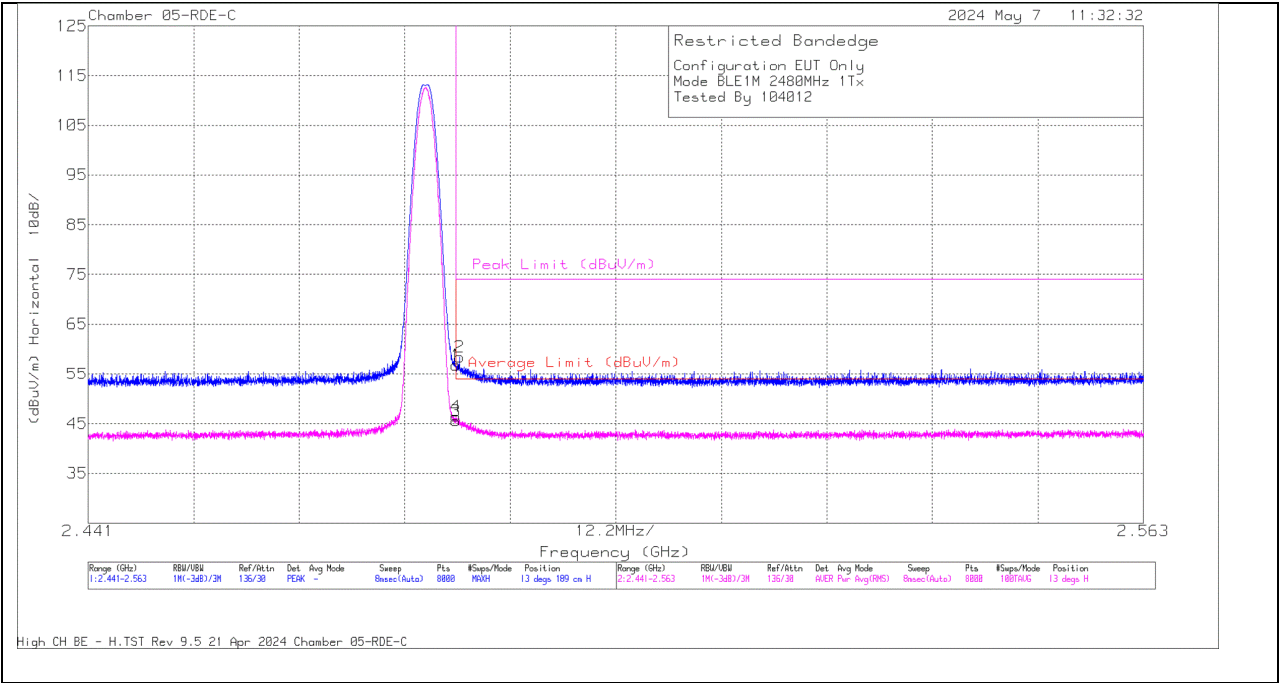
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

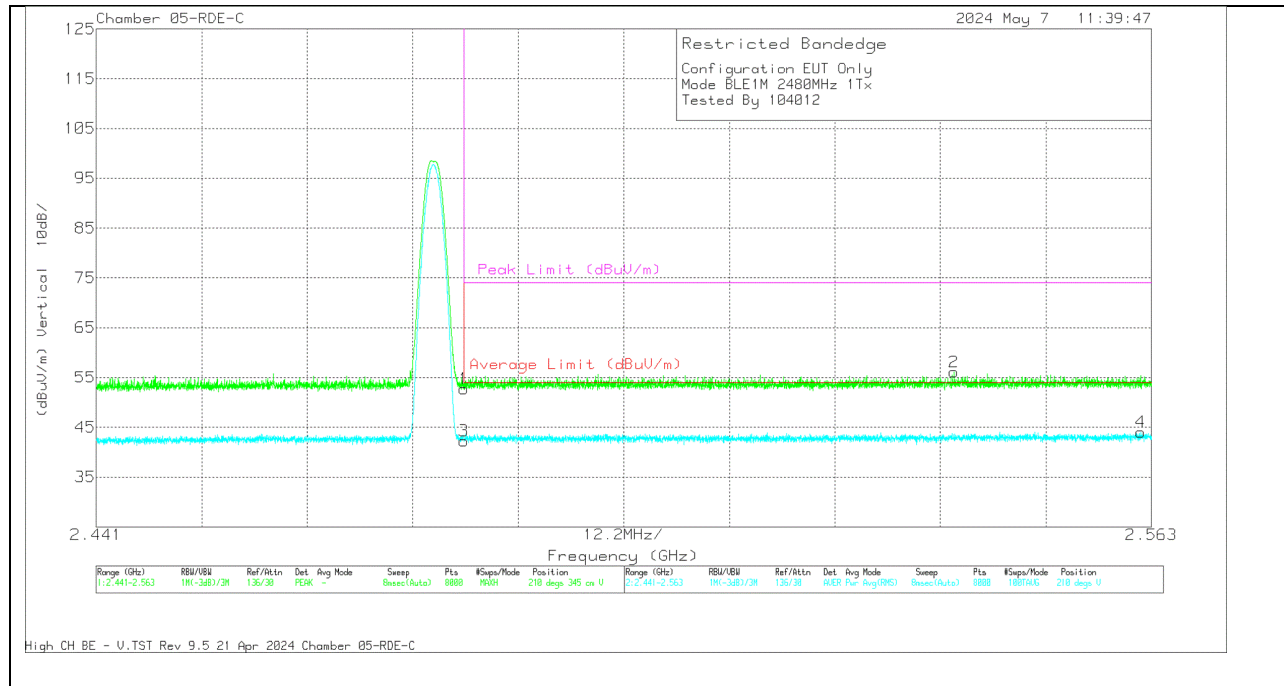


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	64.84	Pk	32.4	-40.45	56.79	-	-	74	-17.21	13	189	H
3	*2.4835	53.64	RMS	32.4	-40.45	45.59	54	-8.41	-	-	13	189	H
4	*2.483523	54.53	RMS	32.4	-40.45	46.48	54	-7.52	-	-	13	189	H
2	*2.483965	66.37	Pk	32.4	-40.4	58.37	-	-	74	-15.63	13	189	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	81887 ACF 3m (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	60.74	Pk	32.4	-40.45	52.69	-	-	74	-21.31	210	345	V
3	*2.4835	50.32	RMS	32.4	-40.45	42.27	54	-11.73	-	-	210	345	V
2	*2.540169	63.8	Pk	32.5	-40.22	56.08	-	-	74	-17.92	210	345	V
4	*2.561735	51.65	RMS	32.6	-40.2	44.05	54	-9.95	-	-	210	345	V

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

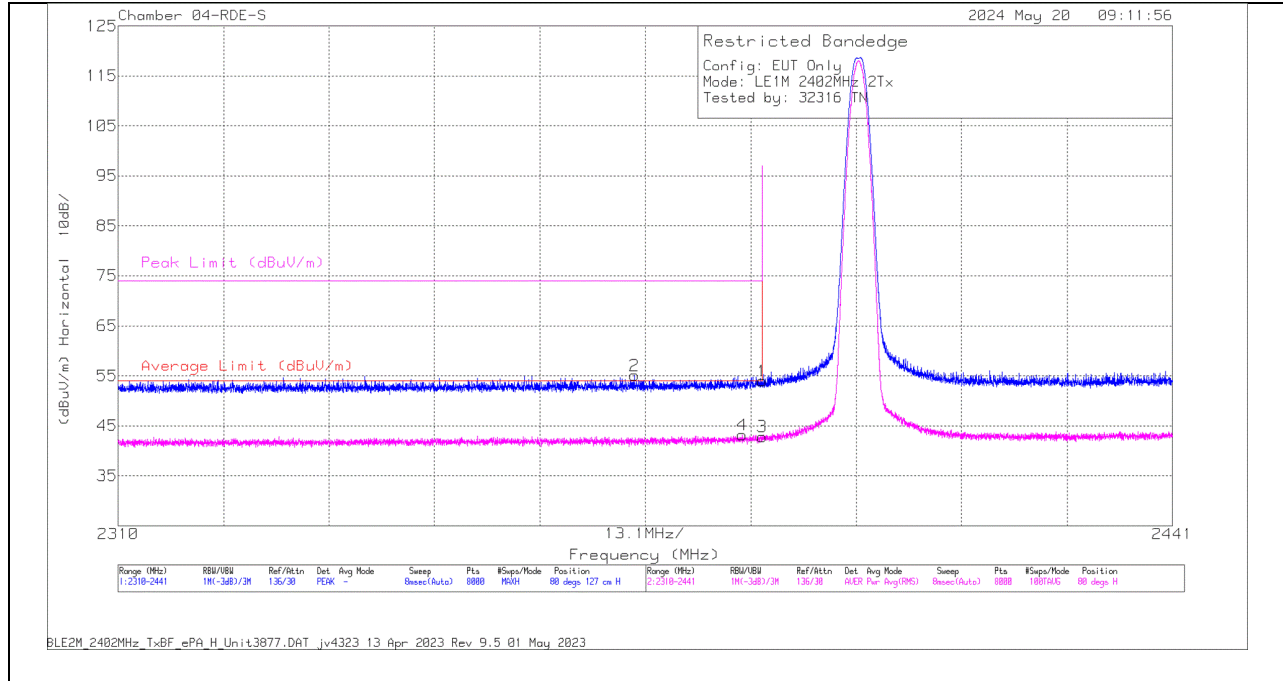
Pk - Peak detector

RMS - RMS detection

10.2.2. HIGH POWER BLE TXBF (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



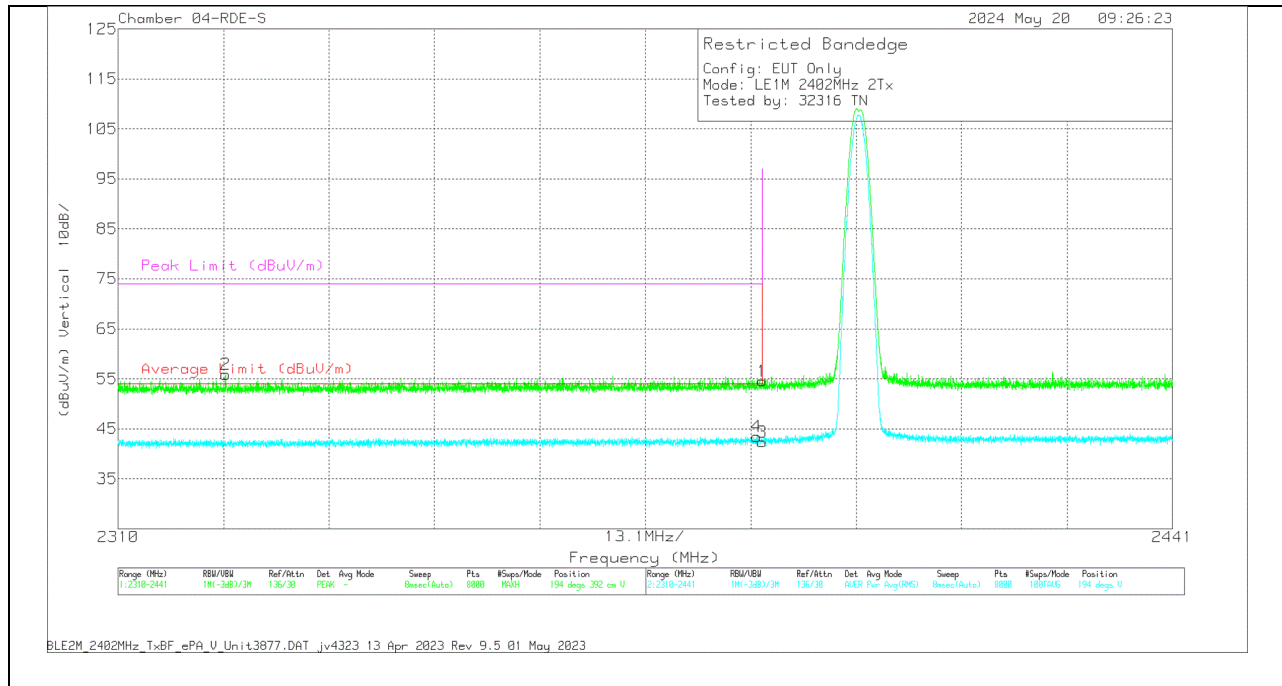
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2374.149	62.87	Pk	32.2	-39.99	55.08	-	-	74	-18.92	80	127	H
4	*2387.578	50.8	RMS	32.3	-39.95	43.15	54	-10.85	-	-	80	127	H
1	*2390	61.6	Pk	32.3	-39.95	53.95	-	-	74	-20.05	80	127	H
3	*2390	50.45	RMS	32.3	-39.95	42.8	54	-11.2	-	-	80	127	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

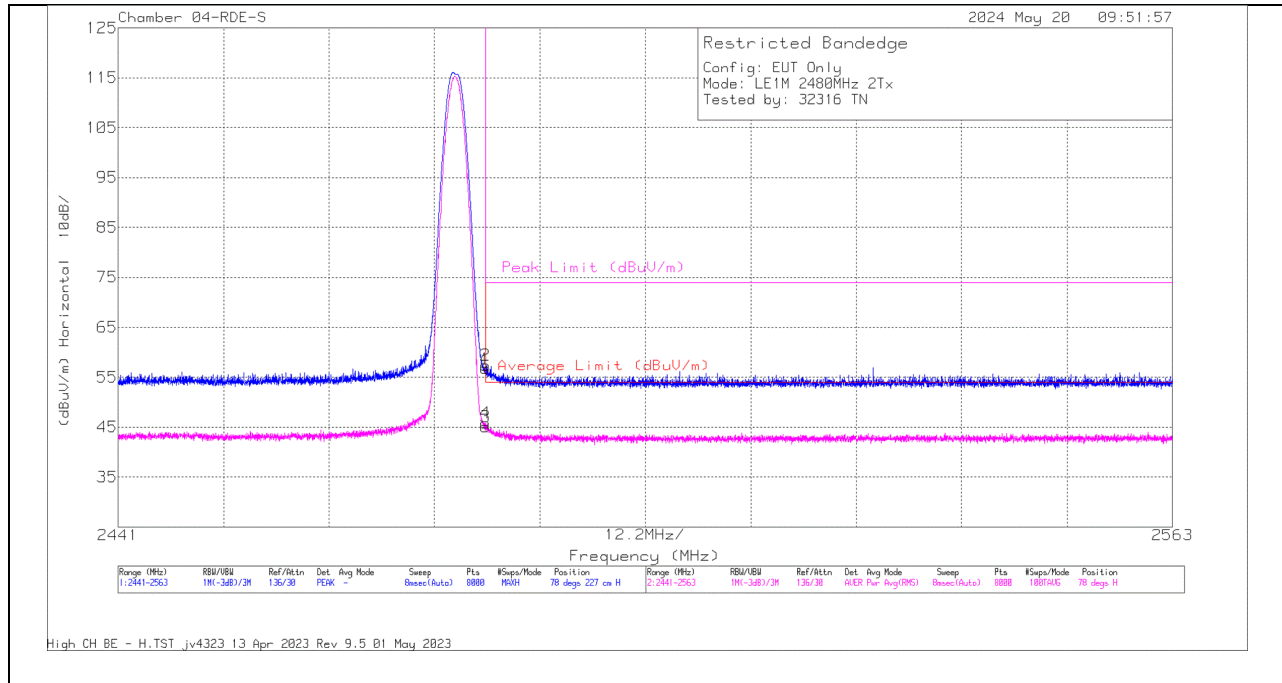


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2323.331	64.01	Pk	32	-40.12	55.89	-	-	74	-18.11	194	392	V
4	*2389.347	51.1	RMS	32.3	-39.95	43.45	54	-10.55	-	-	194	392	V
1	*2390	62.22	Pk	32.3	-39.95	54.57	-	-	74	-19.43	194	392	V
3	*2390	50.03	RMS	32.3	-39.95	42.38	54	-11.62	-	-	194	392	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

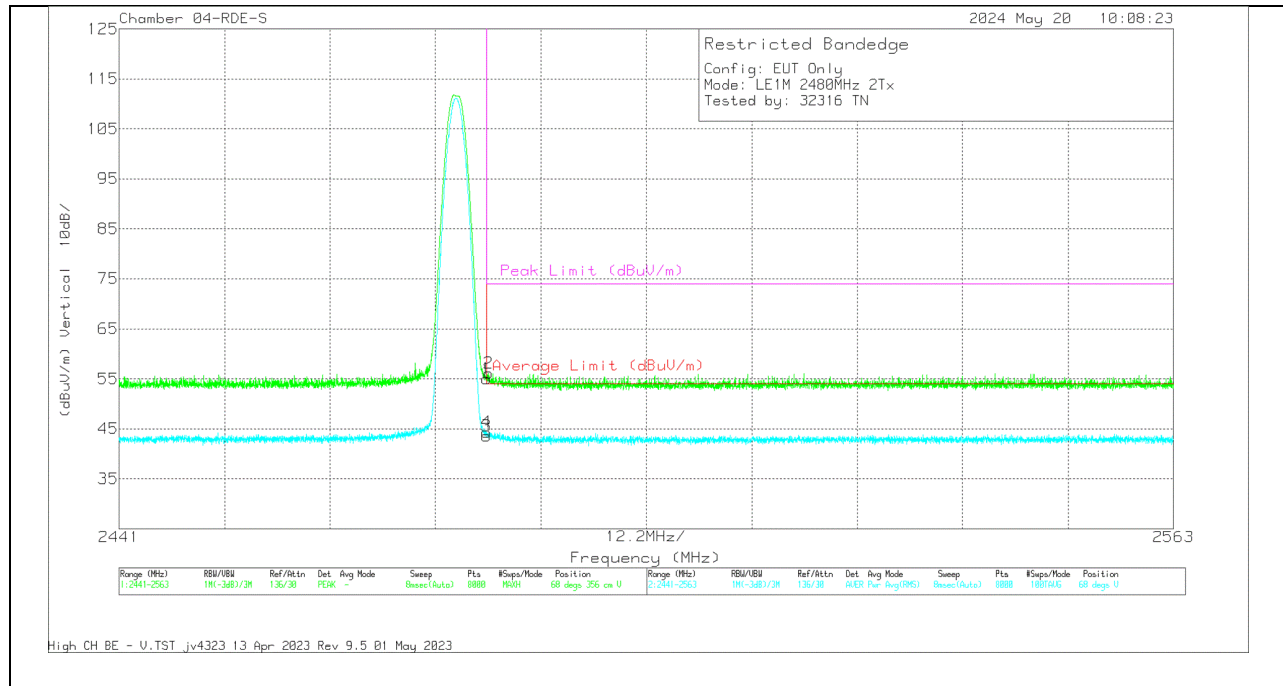
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	64.01	Pk	32.4	-39.69	56.72	-	-	74	-17.28	78	227	H
3	*2483.5	52.41	RMS	32.4	-39.69	45.12	54	-8.88	-	-	78	227	H
2	*2483.523	64.7	Pk	32.4	-39.69	57.41	-	-	74	-16.59	78	227	H
4	*2483.523	53.15	RMS	32.4	-39.69	45.86	54	-8.14	-	-	78	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	200784 ACF 3m (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	*2483.5	62.34	Pk	32.4	-39.69	55.05	-	-	74	-18.95	68	356	V
3	*2483.5	50.82	RMS	32.4	-39.69	43.53	54	-10.47	-	-	68	356	V
4	*2483.538	51.64	RMS	32.4	-39.69	44.35	54	-9.65	-	-	68	356	V
2	*2483.767	63.46	Pk	32.4	-39.69	56.17	-	-	74	-17.83	68	356	V

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

Pk - Peak detector

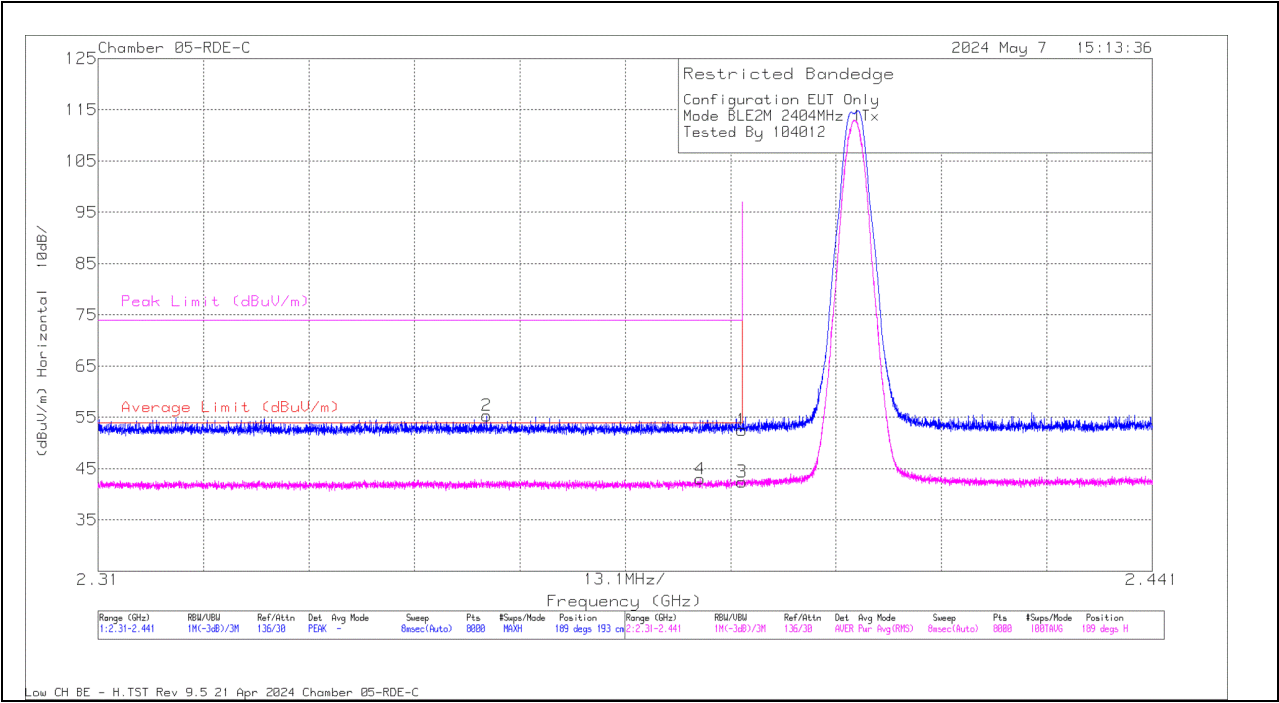
RMS - RMS detection

10.2.3. HIGH POWER BLE (2Mbps)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

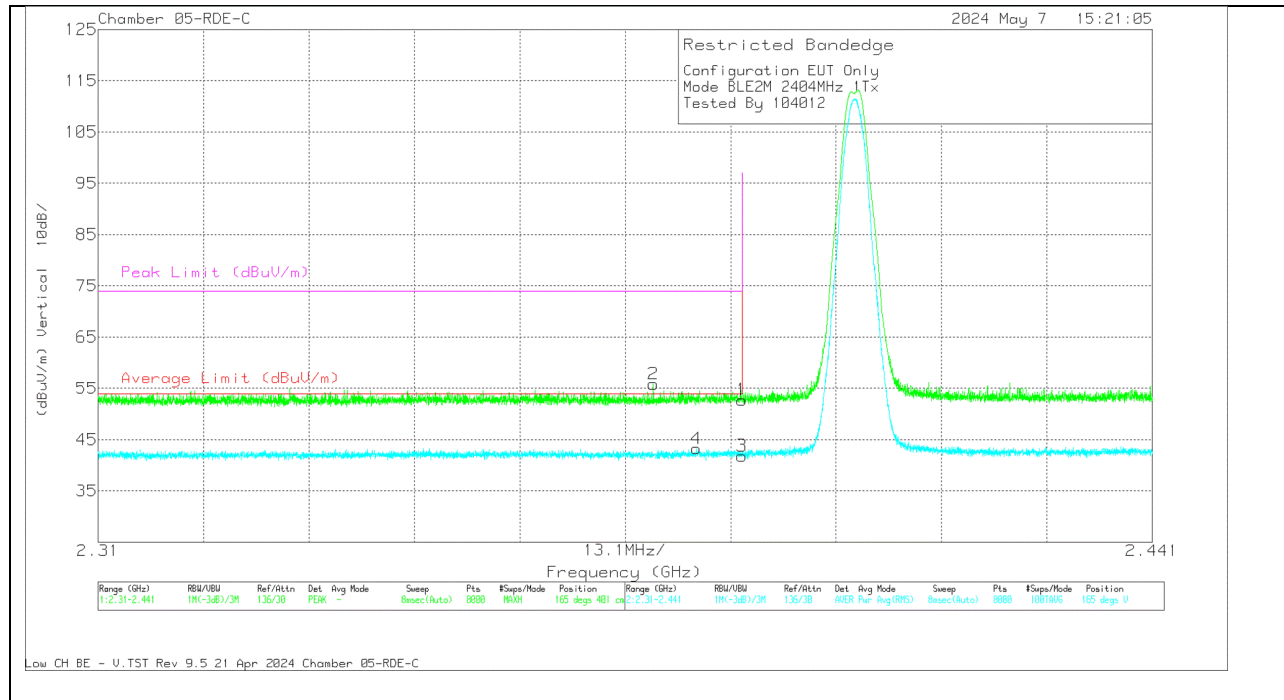


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.358279	63.65	Pk	32.1	-40.3	55.35	-	-	74	-18.65	189	193	H
4	*2.384843	51.38	RMS	32.1	-40.5	42.98	54	-11.02	-	-	189	193	H
1	*2.39	60.93	Pk	32.1	-40.5	52.53	-	-	74	-21.47	189	193	H
3	*2.39	50.82	RMS	32.1	-40.5	42.42	54	-11.58	-	-	189	193	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

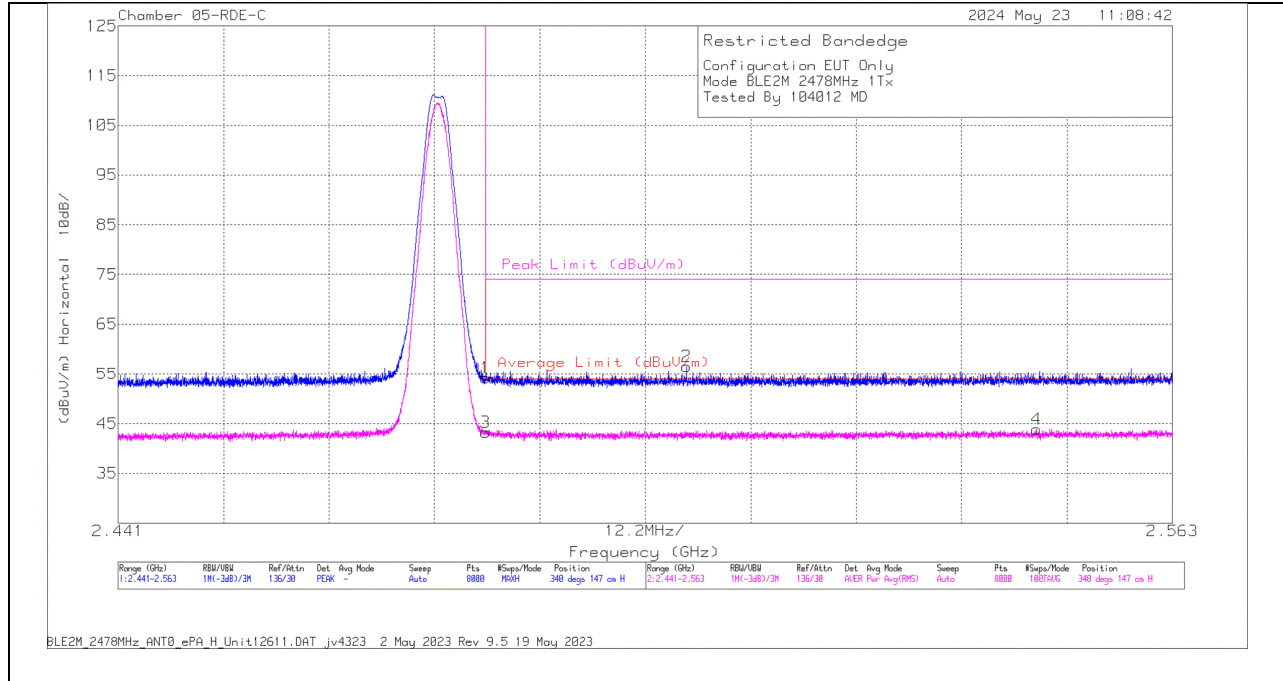


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.378996	64.36	Pk	32	-40.5	55.86	-	-	74	-18.14	165	401	V
4	*2.384335	51.64	RMS	32.1	-40.5	43.24	54	-10.76	-	-	165	401	V
1	*2.39	61.13	Pk	32.1	-40.5	52.73	-	-	74	-21.27	165	401	V
3	*2.39	50.21	RMS	32.1	-40.5	41.81	54	-12.19	-	-	165	401	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

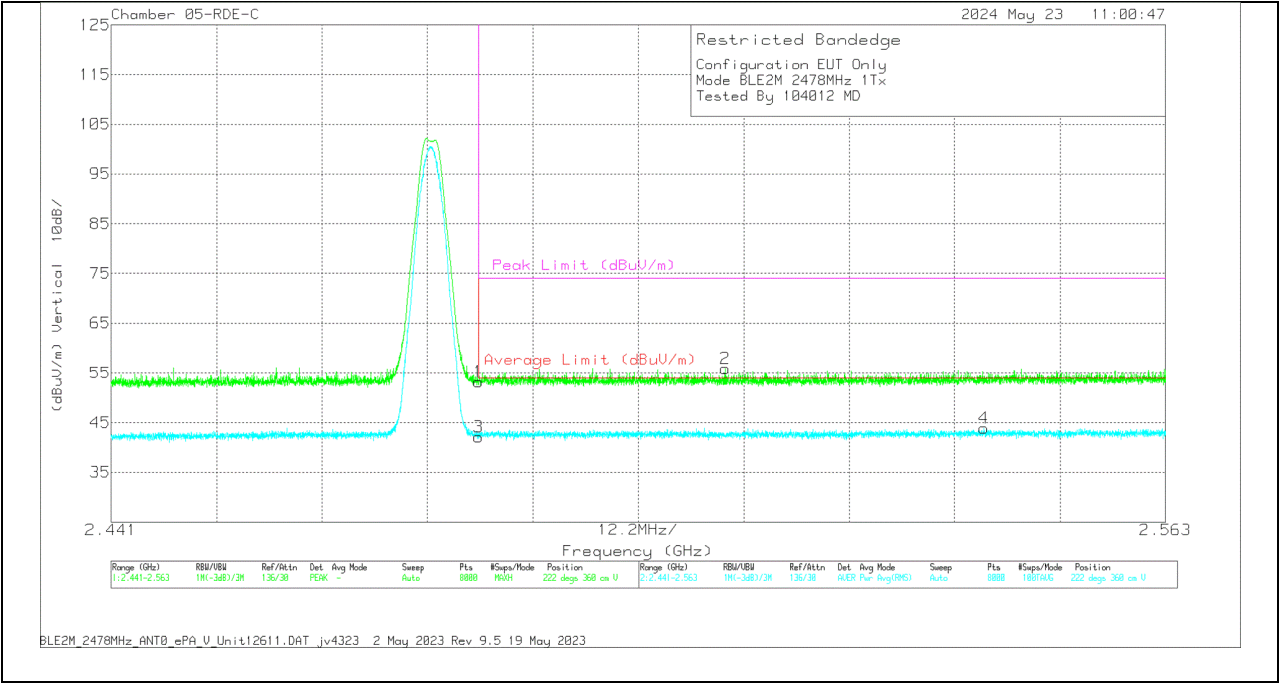
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	62.27	Pk	32.4	-40.45	54.22	-	-	74	-19.78	340	147	H
3	*2.4835	51.36	RMS	32.4	-40.45	43.31	54	-10.69	-	-	340	147	H
2	*2.506782	64.39	Pk	32.5	-40.4	56.49	-	-	74	-17.51	340	147	H
4	*2.547261	51.59	RMS	32.6	-40.3	43.89	54	-10.11	-	-	340	147	H

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

Pk - Peak detector

RMS - RMS detection

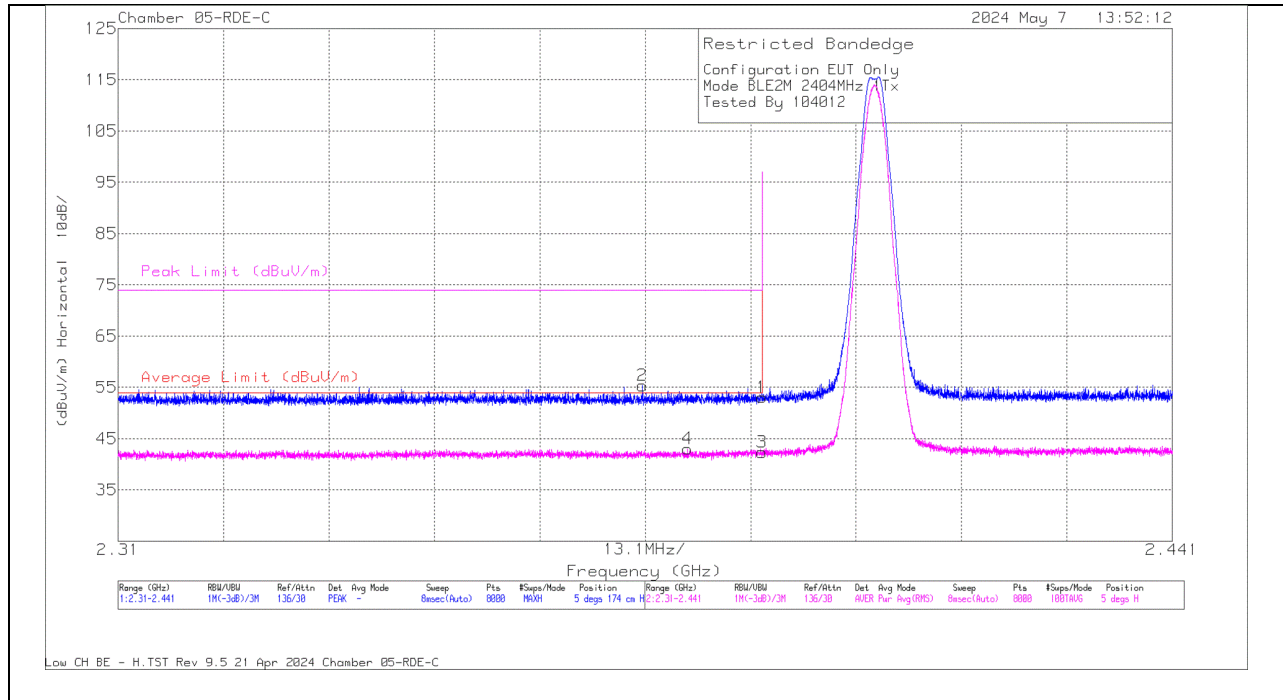
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	61.24	Pk	32.4	-40.45	53.19	-	-	74	-20.81	222	360	V
3	*2.4835	50.2	RMS	32.4	-40.45	42.15	54	-11.85	-	-	222	360	V
2	*2.512029	63.89	Pk	32.5	-40.5	55.89	-	-	74	-18.11	222	360	V
4	*2.542014	51.58	RMS	32.6	-40.3	43.88	54	-10.12	-	-	222	360	V

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

Pk - Peak detector
RMS - RMS detection

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

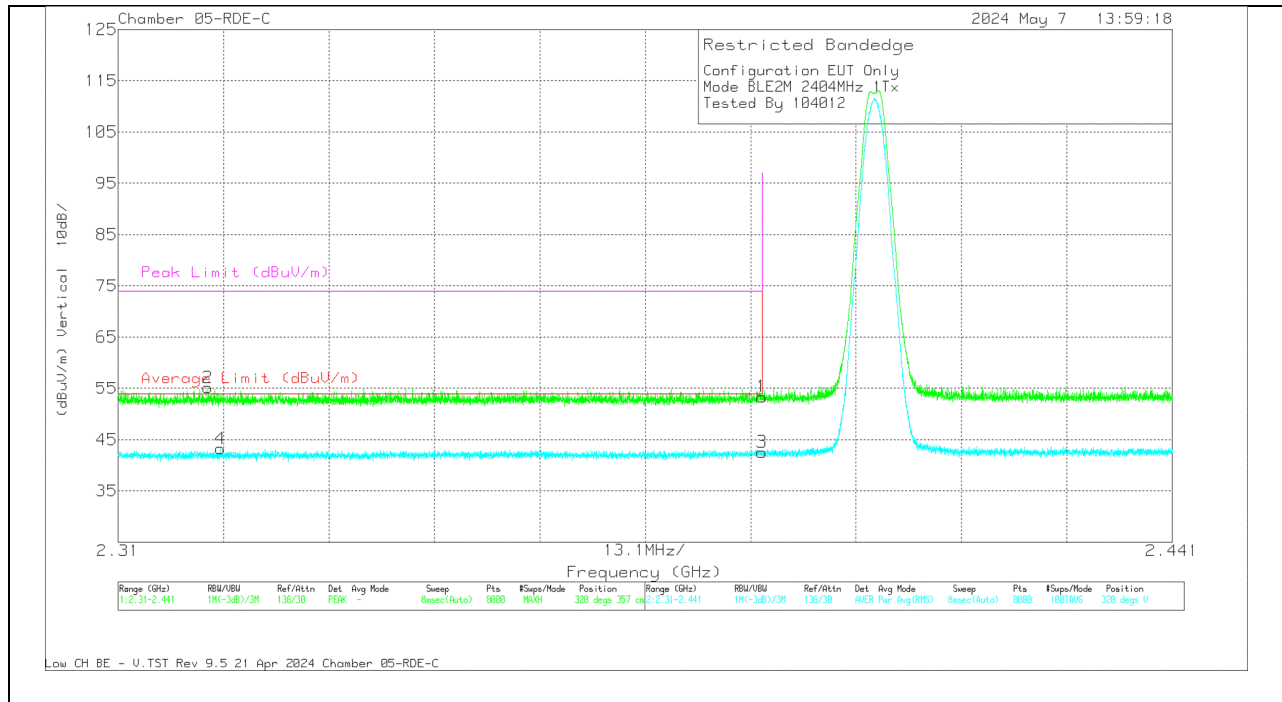
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.375148	63.86	Pk	32	-40.5	55.36	-	-	74	-18.64	5	174	H
4	*2.380749	51.51	RMS	32	-40.47	43.04	54	-10.96	-	-	5	174	H
1	*2.39	61.47	Pk	32.1	-40.5	53.07	-	-	74	-20.93	5	174	H
3	*2.39	50.74	RMS	32.1	-40.5	42.34	54	-11.66	-	-	5	174	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

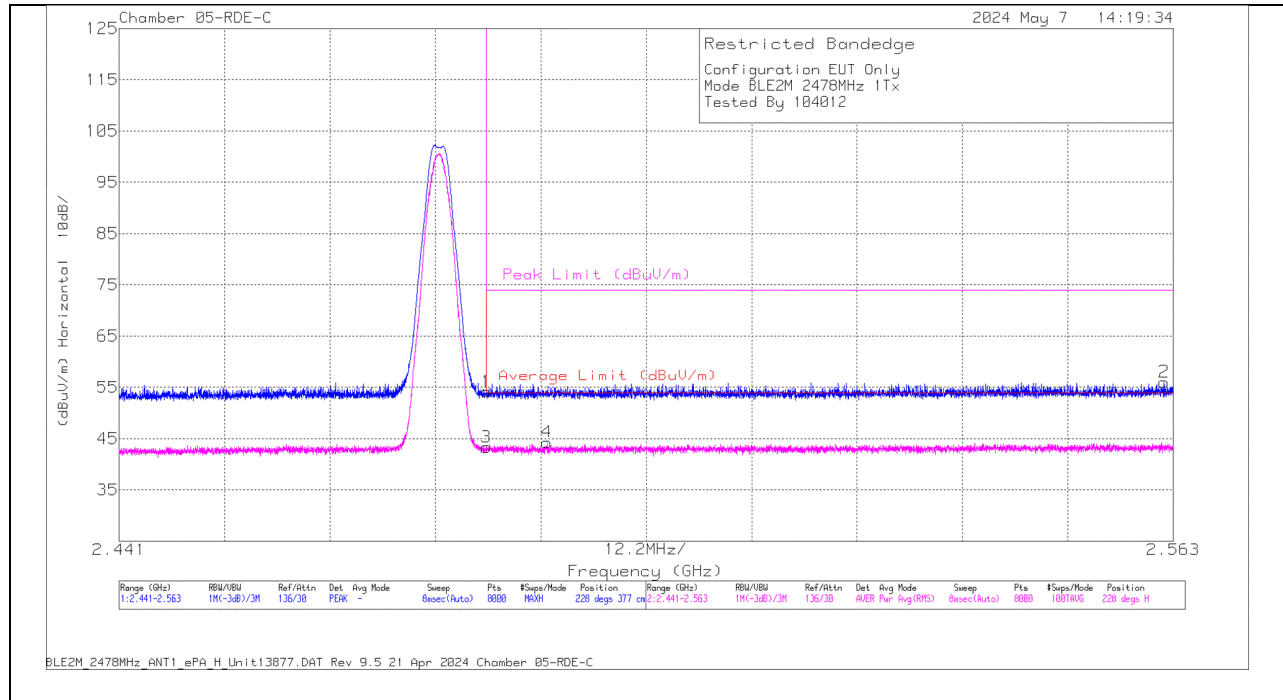


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.321136	63.65	Pk	31.9	-40.4	55.15	-	-	74	-18.85	320	357	V
4	*2.322709	51.74	RMS	31.9	-40.4	43.24	54	-10.76	-	-	320	357	V
1	*2.39	61.78	Pk	32.1	-40.5	53.38	-	-	74	-20.62	320	357	V
3	*2.39	50.95	RMS	32.1	-40.5	42.55	54	-11.45	-	-	320	357	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

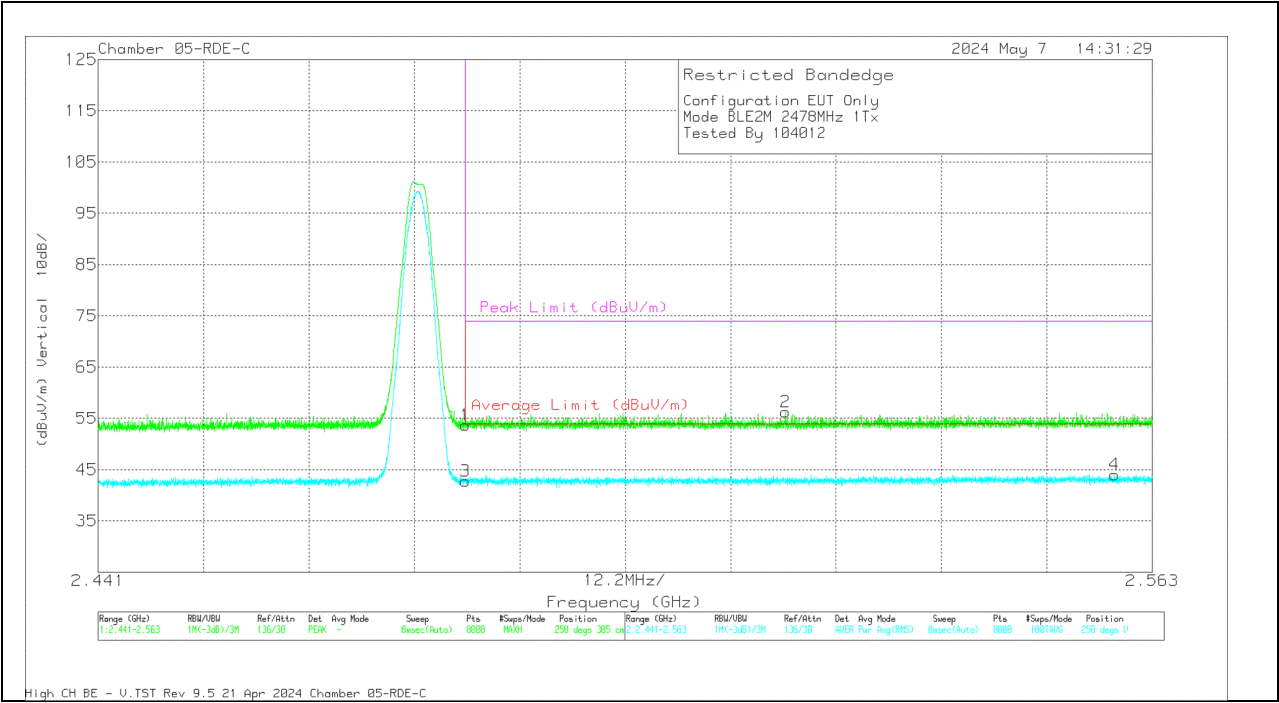
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	62.19	Pk	32.4	-40.45	54.14	-	-	74	-19.86	228	377	H
3	*2.4835	51.38	RMS	32.4	-40.45	43.33	54	-10.67	-	-	228	377	H
4	*2.490508	52.24	RMS	32.5	-40.45	44.29	54	-9.71	-	-	228	377	H
2	*2.561933	63.63	Pk	32.6	-40.2	56.03	-	-	74	-17.97	228	377	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	81887 ACF 3m (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	61.72	Pk	32.4	-40.45	53.67	-	-	74	-20.33	250	305	V
3	*2.4835	50.79	RMS	32.4	-40.45	42.74	54	-11.26	-	-	250	305	V
2	*2.520539	64.06	Pk	32.5	-40.3	56.26	-	-	74	-17.74	250	305	V
4	*2.558608	51.72	RMS	32.6	-40.3	44.02	54	-9.98	-	-	250	305	V

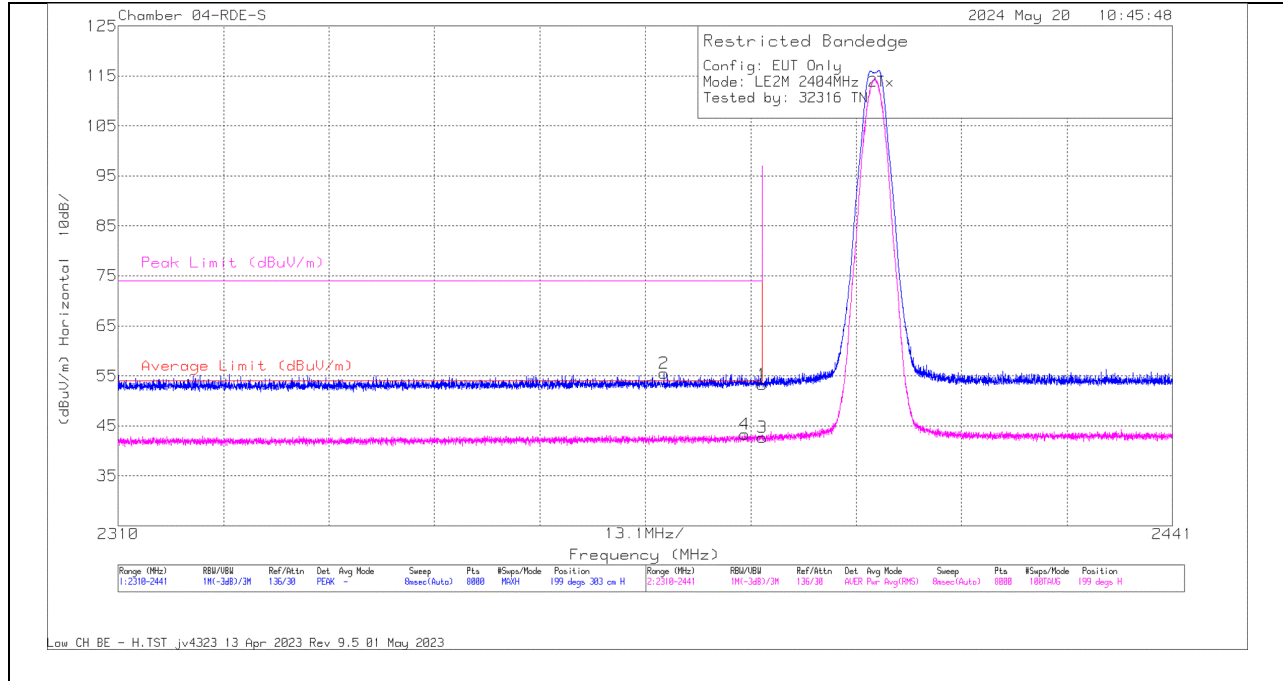
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector
RMS - RMS detection

10.2.4. HIGH POWER BLE TXBF (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



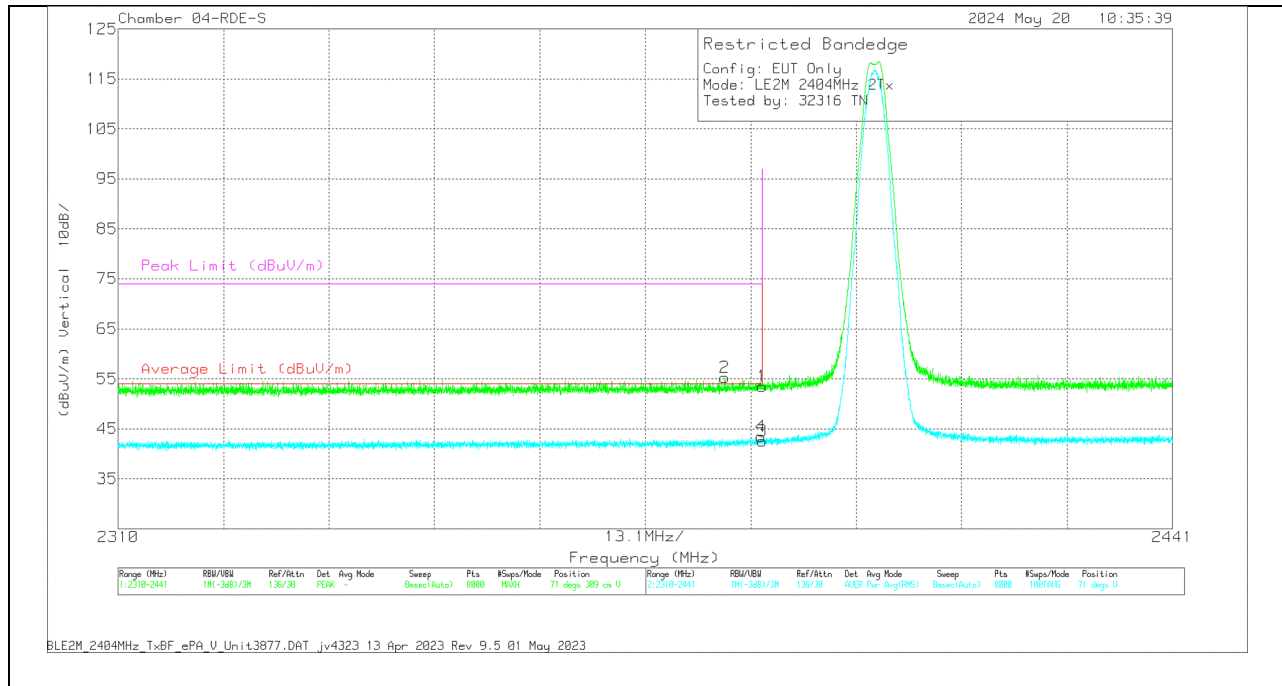
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2377.817	63.27	Pk	32.2	-40	55.47	-	-	74	-18.53	199	303	H
4	*2387.824	51	RMS	32.3	-39.95	43.35	54	-10.65	-	-	199	303	H
1	*2390	60.86	Pk	32.3	-39.95	53.21	-	-	74	-20.79	199	303	H
3	*2390	50.34	RMS	32.3	-39.95	42.69	54	-11.31	-	-	199	303	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

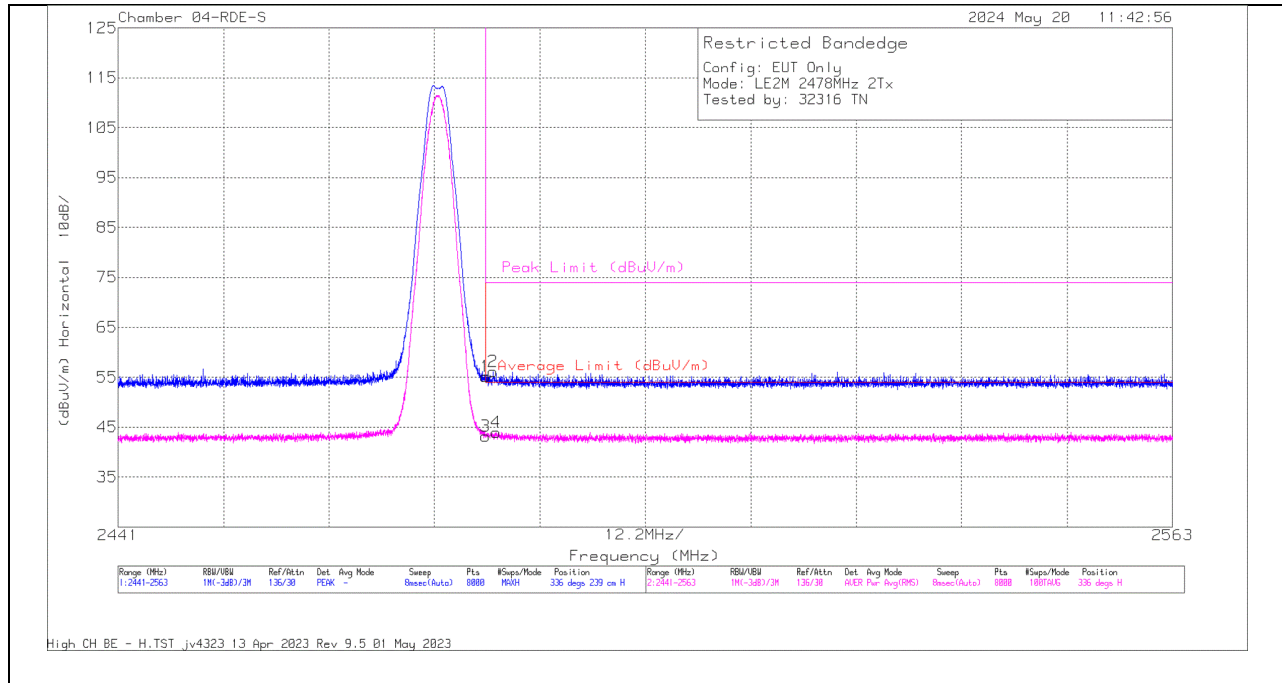


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2385.334	62.92	Pk	32.3	-39.97	55.25	-	-	74	-18.75	71	309	V
4	*2389.887	51.06	RMS	32.3	-39.95	43.41	54	-10.59	-	-	71	309	V
1	*2390	61.19	Pk	32.3	-39.95	53.54	-	-	74	-20.46	71	309	V
3	*2390	50.22	RMS	32.3	-39.95	42.57	54	-11.43	-	-	71	309	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

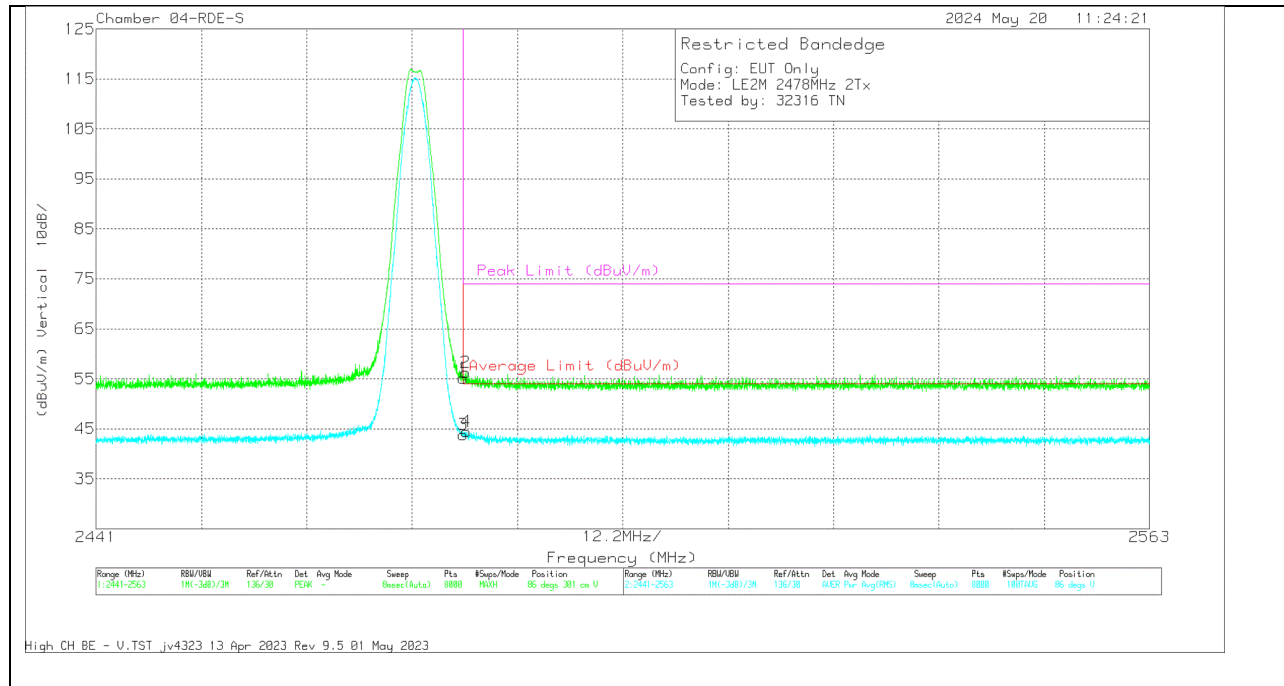
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	62.48	Pk	32.4	-39.69	55.19	-	-	74	-18.81	336	239	H
3	*2483.5	50.48	RMS	32.4	-39.69	43.19	54	-10.81	-	-	336	239	H
2	*2484.392	63.44	Pk	32.4	-39.69	56.15	-	-	74	-17.85	336	239	H
4	*2484.758	51.27	RMS	32.4	-39.68	43.99	54	-10.01	-	-	336	239	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	200784 ACF 3m (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	*2483.5	62.42	Pk	32.4	-39.69	55.13	-	-	74	-18.87	86	301	V
3	*2483.5	51.17	RMS	32.4	-39.69	43.88	54	-10.12	-	-	86	301	V
2	*2483.797	63.58	Pk	32.4	-39.69	56.29	-	-	74	-17.71	86	301	V
4	*2483.858	51.74	RMS	32.4	-39.69	44.45	54	-9.55	-	-	86	301	V

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

Pk - Peak detector

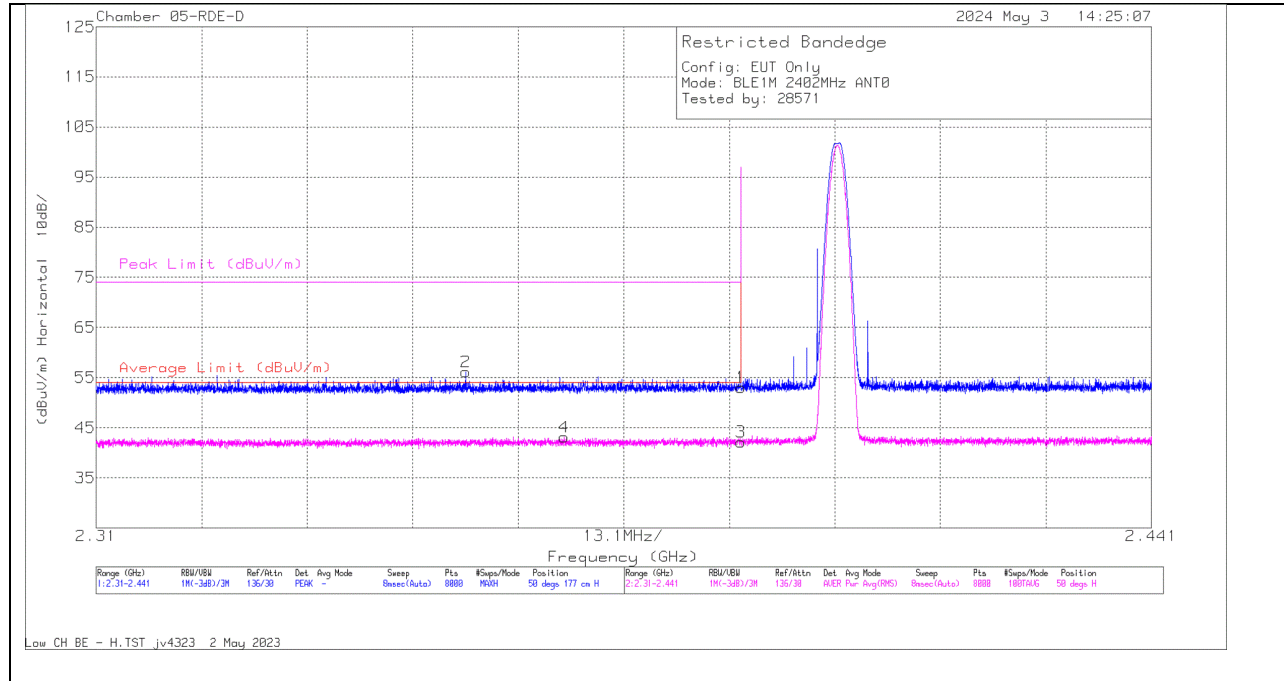
RMS - RMS detection

10.2.5. LOW POWER BLE (1Mbps)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



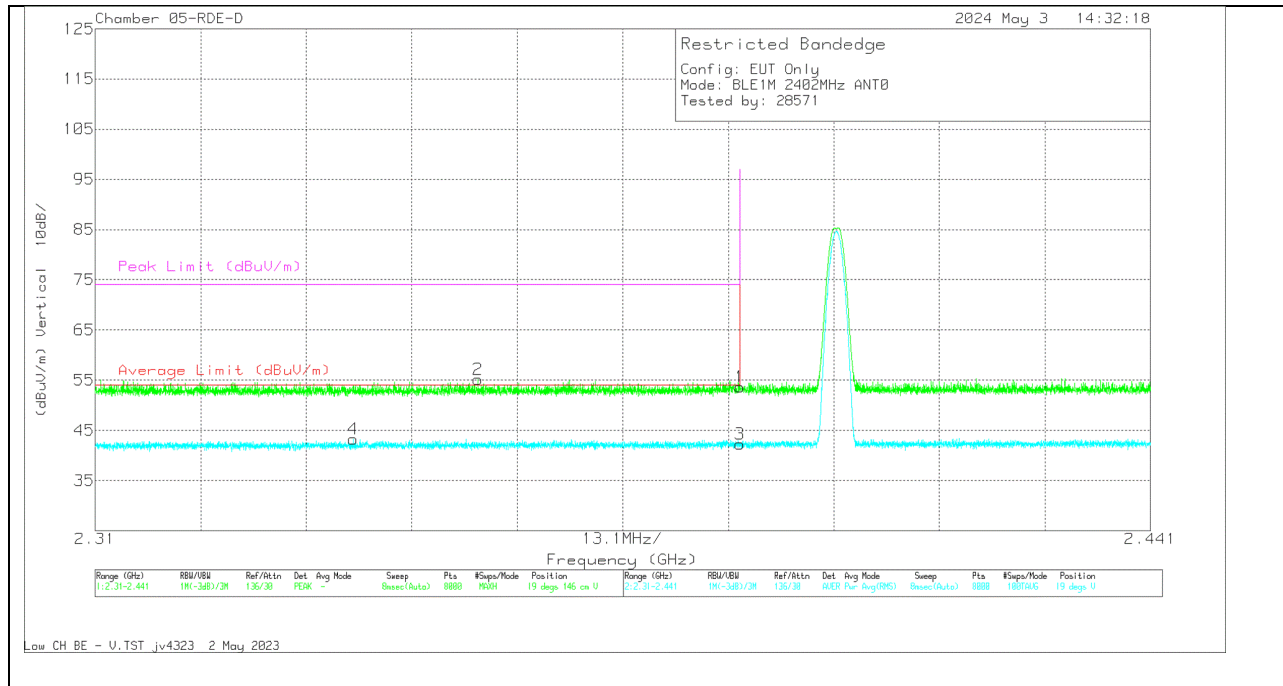
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.355905	65.11	Pk	32.1	-41.1	56.11	-	-	74	-17.89	50	177	H
4	*2.368122	52.03	RMS	32.1	-41.04	43.09	54	-10.91	-	-	50	177	H
1	*2.39	61.86	Pk	32.2	-41.02	53.04	-	-	74	-20.96	50	177	H
3	*2.39	51	RMS	32.2	-41.02	42.18	54	-11.82	-	-	50	177	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

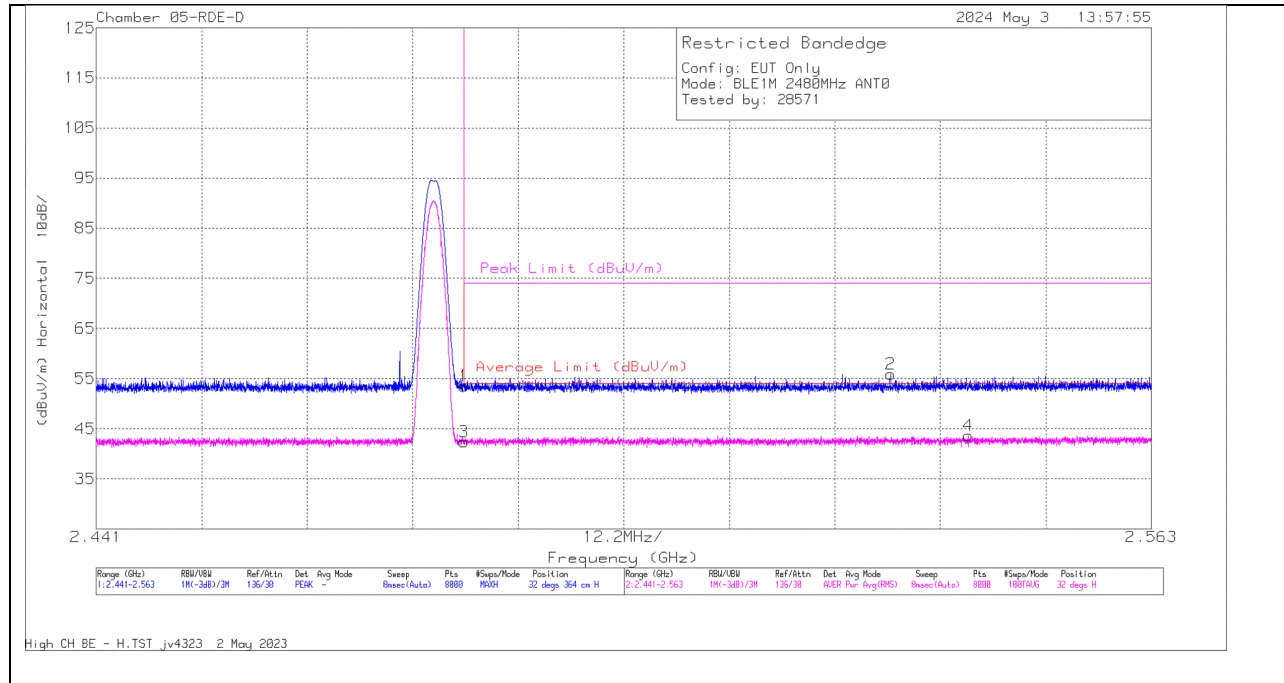


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.342017	52.32	RMS	32.1	-41.14	43.28	54	-10.72	-	-	19	146	V
2	*2.35751	64.18	Pk	32.1	-41.08	55.2	-	-	74	-18.8	19	146	V
1	*2.39	62.44	Pk	32.2	-41.02	53.62	-	-	74	-20.38	19	146	V
3	*2.39	51.11	RMS	32.2	-41.02	42.29	54	-11.71	-	-	19	146	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

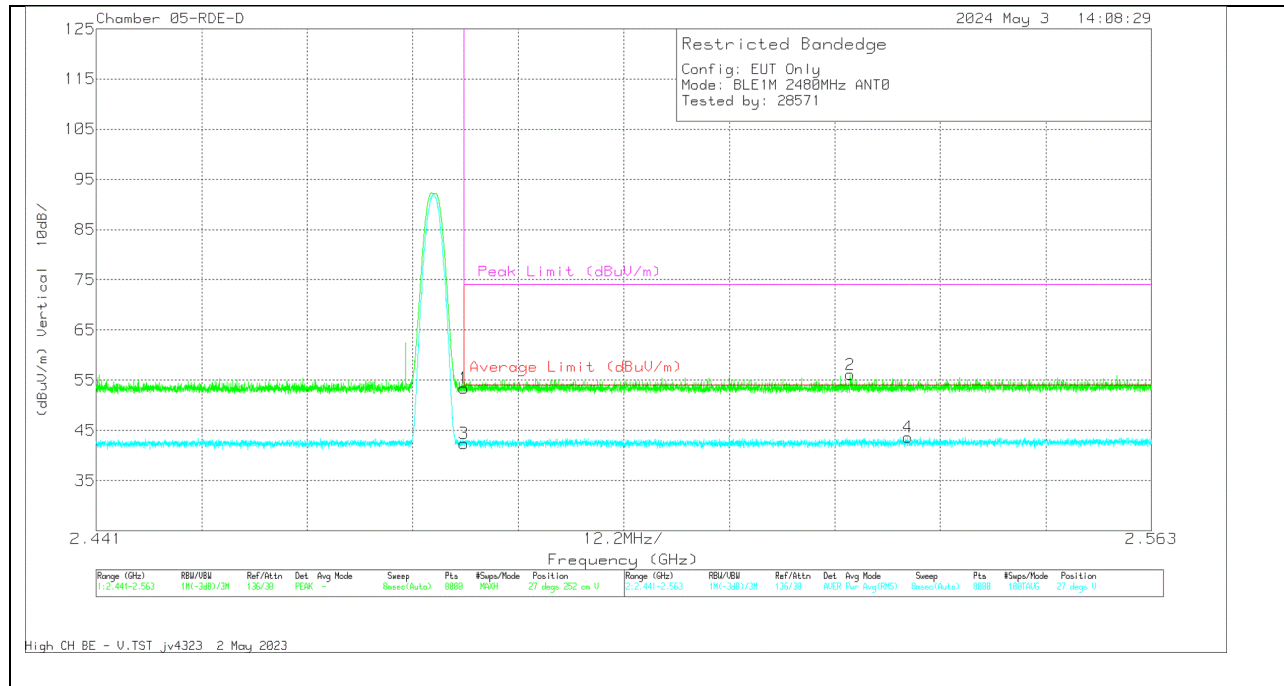
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dBm) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	62.03	Pk	32.3	-40.78	53.55	-	-	74	-20.45	32	364	H
3	*2.4835	50.85	RMS	32.3	-40.78	42.37	54	-11.63	-	-	32	364	H
2	*2.532863	64.13	Pk	32.5	-40.71	55.92	-	-	74	-18.08	32	364	H
4	*2.541816	51.76	RMS	32.5	-40.61	43.65	54	-10.35	-	-	32	364	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

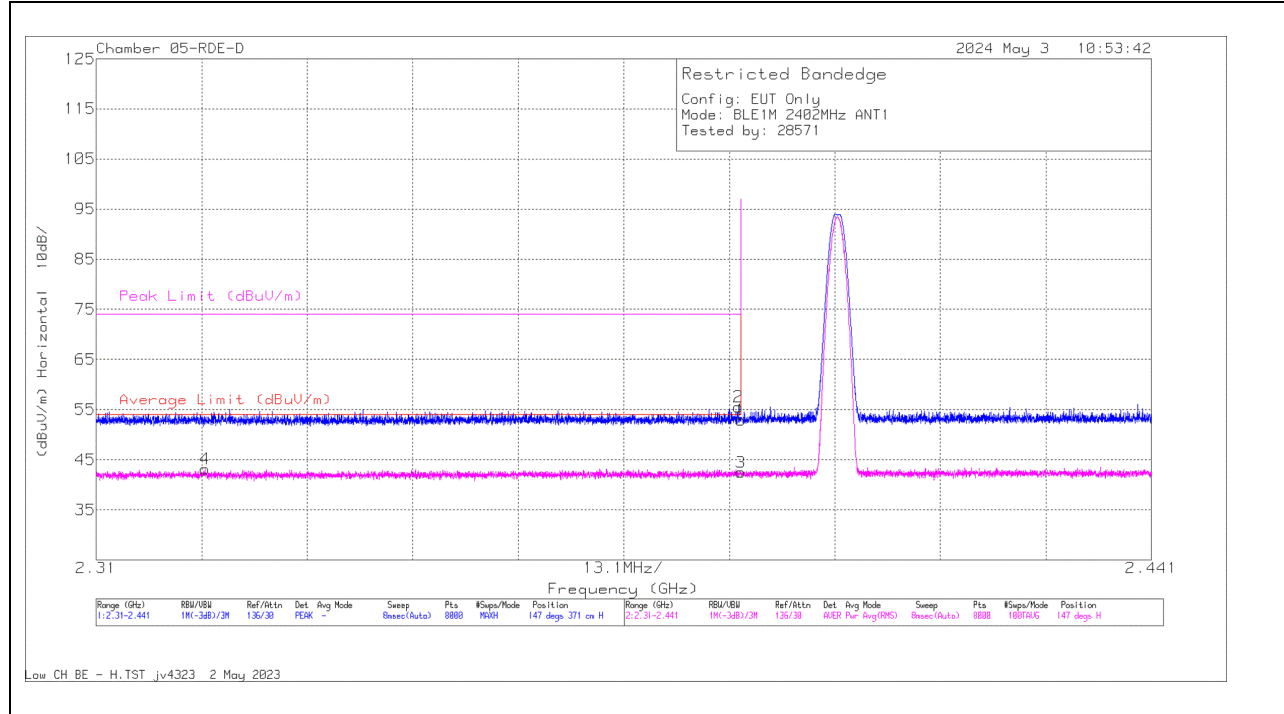


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.92	Pk	32.3	-40.78	53.44	-	-	74	-20.56	27	252	V
3	*2.4835	50.91	RMS	32.3	-40.78	42.43	54	-11.57	-	-	27	252	V
2	*2.52818	64.25	Pk	32.5	-40.65	56.1	-	-	74	-17.9	27	252	V
4	*2.534846	51.85	RMS	32.5	-40.67	43.68	54	-10.32	-	-	27	252	V

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

Pk - Peak detector

RMS - RMS detection

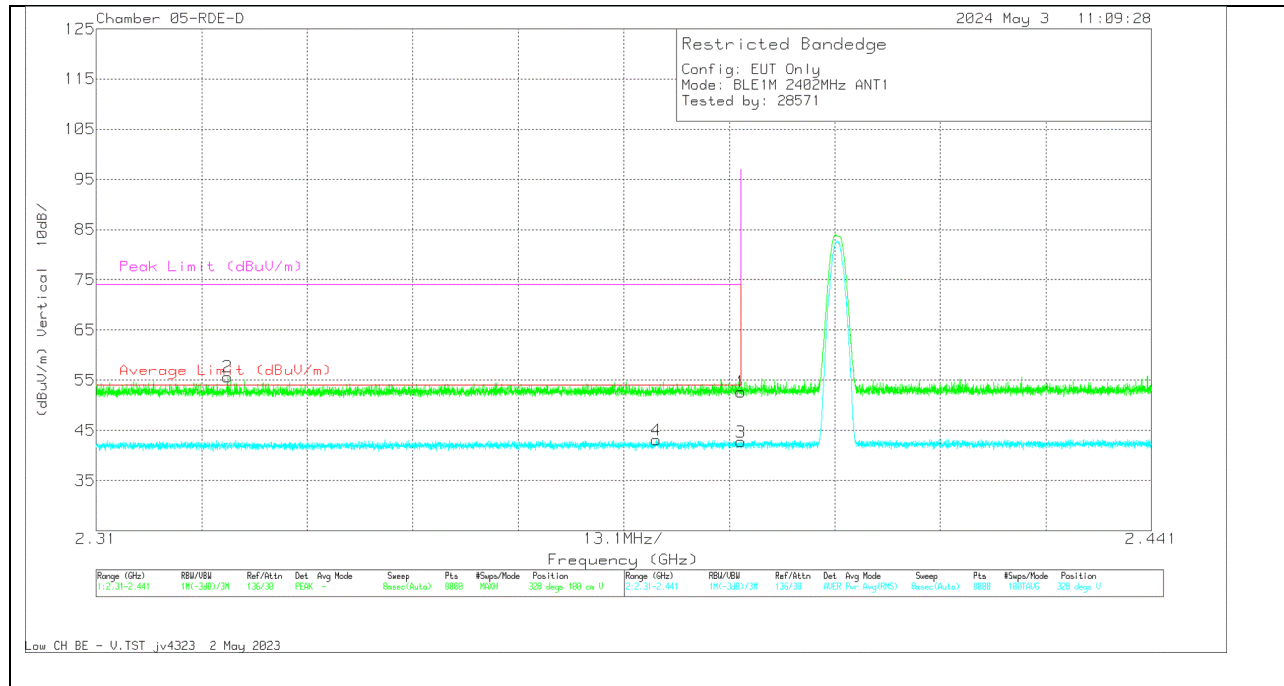
ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	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
4	*2.323527	52.21	RMS	32.1	-41.14	43.17	54	-10.83	-	-	147	371	H
2	*2.38969	64.38	Pk	32.2	-41.01	55.57	-	-	74	-18.43	147	371	H
1	*2.39	61.71	Pk	32.2	-41.02	52.89	-	-	74	-21.11	147	371	H
3	*2.39	51.28	RMS	32.2	-41.02	42.46	54	-11.54	-	-	147	371	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

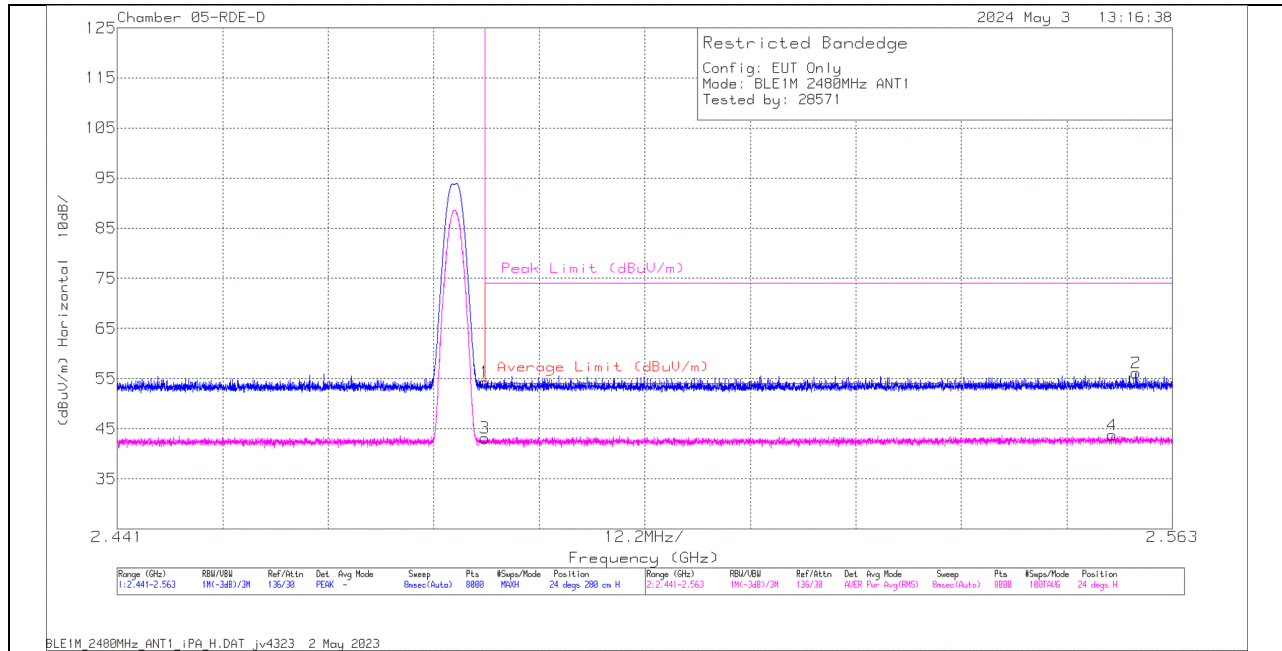


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.326328	64.73	Pk	32.1	-41.14	55.69	-	-	74	-18.31	328	100	V
4	*2.379504	52.03	RMS	32.1	-41.05	43.08	54	-10.92	-	-	328	100	V
1	*2.39	61.49	Pk	32.2	-41.02	52.67	-	-	74	-21.33	328	100	V
3	*2.39	51.52	RMS	32.2	-41.02	42.7	54	-11.3	-	-	328	100	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

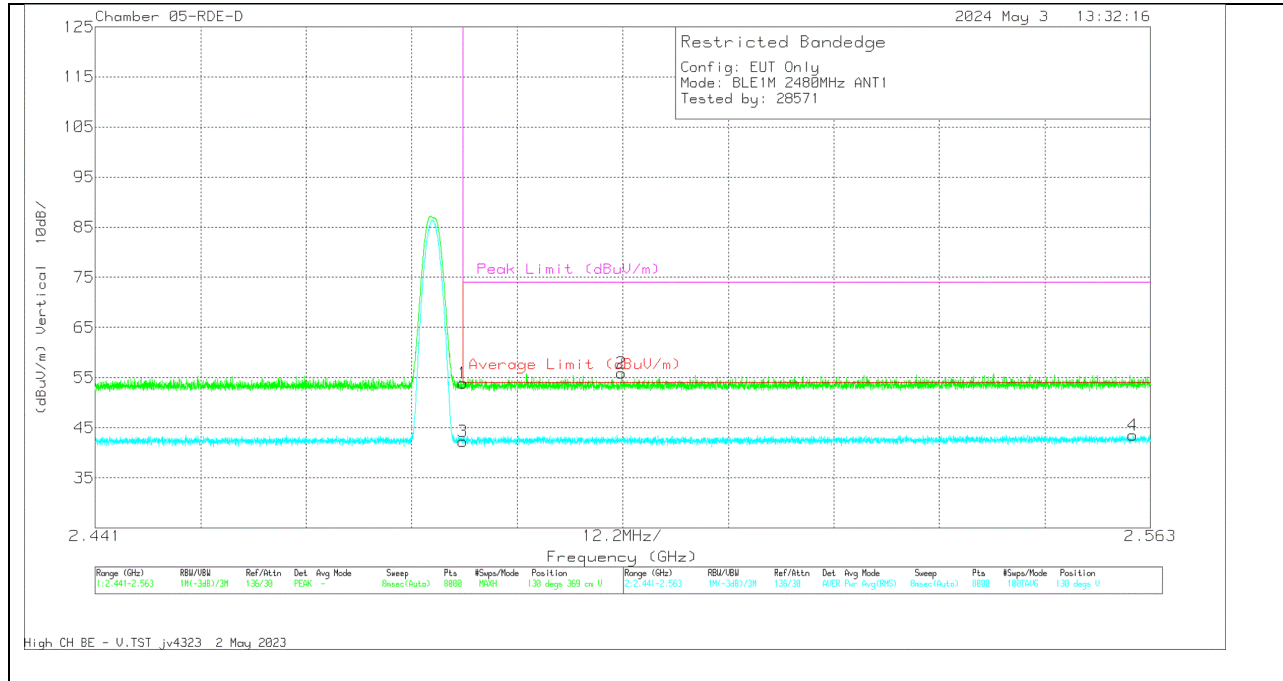
Marker	Frequency (GHz)	Meter Reading (dBV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	62.74	Pk	32.3	-40.78	54.26	-	-	74	-19.74	24	280	H
3	*2.4835	51.61	RMS	32.3	-40.78	43.13	54	-10.87	-	-	24	280	H
4	*2.556015	51.74	RMS	32.5	-40.53	43.71	54	-10.29	-	-	24	280	H
2	*2.558761	64.15	Pk	32.5	-40.54	56.11	-	-	74	-17.89	24	280	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	230299 ACF (dB/m) 3mH	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	62.42	Pk	32.3	-40.78	53.94	-	-	74	-20.06	130	369	V
3	*2.4835	50.71	RMS	32.3	-40.78	42.23	54	-11.77	-	-	130	369	V
2	*2.501825	64.26	Pk	32.4	-40.76	55.9	-	-	74	-18.1	130	369	V
4	*2.560987	51.6	RMS	32.5	-40.57	43.53	54	-10.47	-	-	130	369	V

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

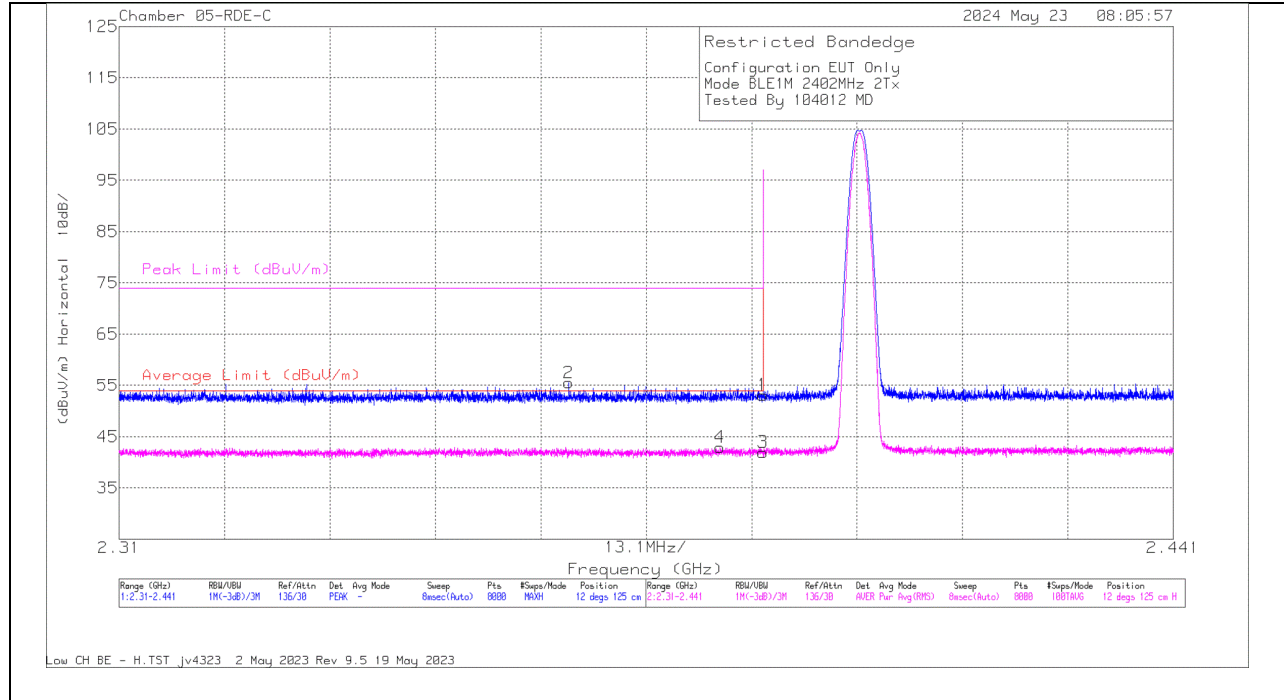
Pk - Peak detector

RMS - RMS detection

10.2.6. LOW POWER BLE TXBF (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



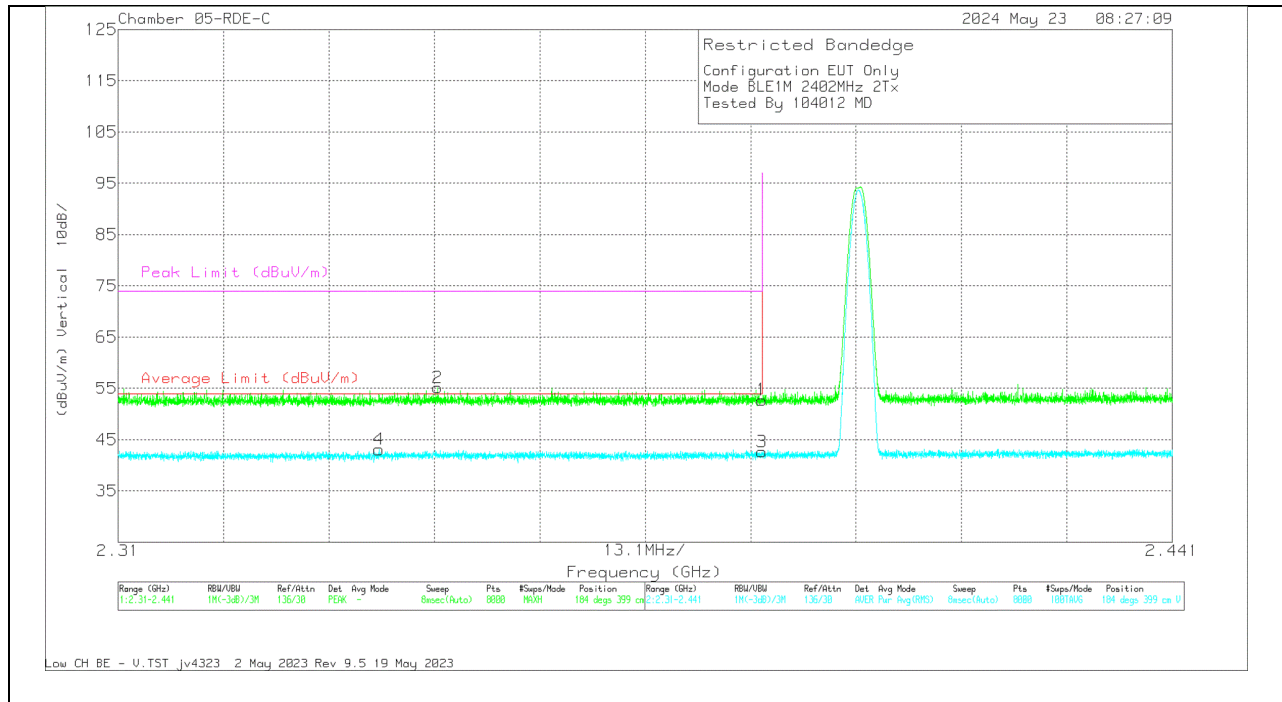
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.365878	63.91	Pk	32	-40.39	55.52	-	-	74	-18.48	12	125	H
4	*2.384679	51.32	RMS	32.1	-40.5	42.92	54	-11.08	-	-	12	125	H
1	*2.39	61.52	Pk	32.1	-40.5	53.12	-	-	74	-20.88	12	125	H
3	*2.39	50.35	RMS	32.1	-40.5	41.95	54	-12.05	-	-	12	125	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

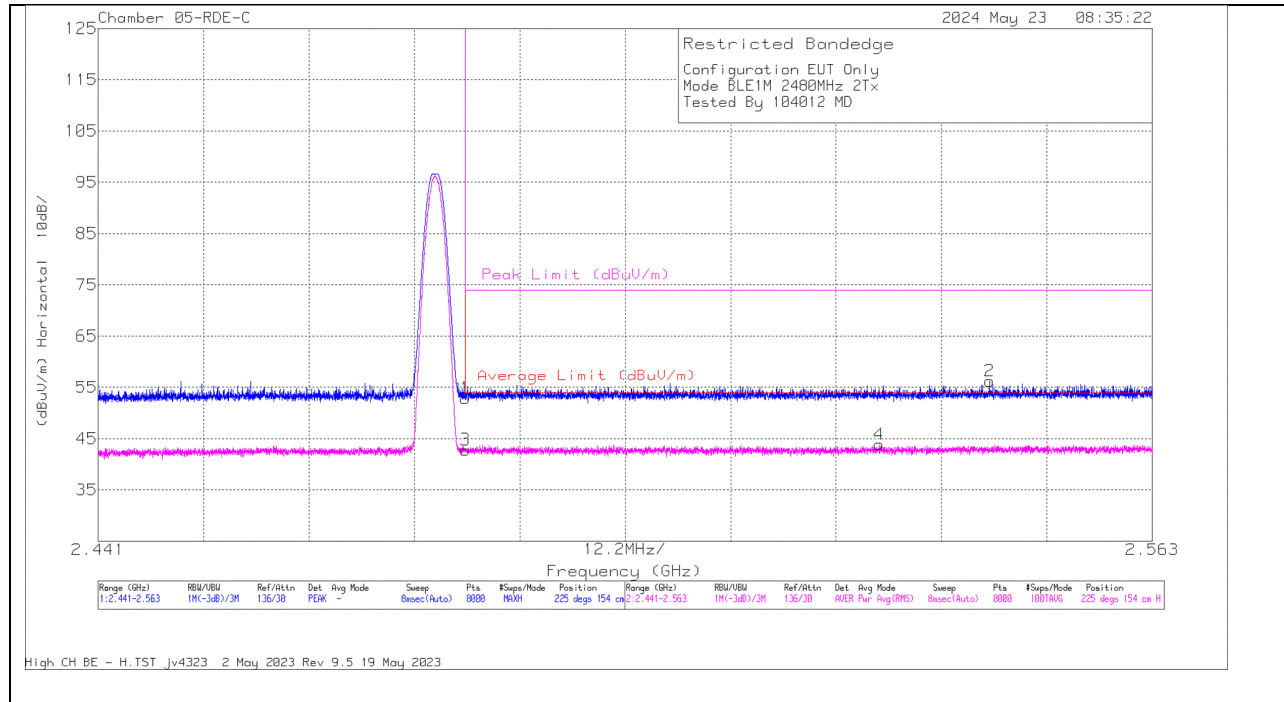


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.34241	51.48	RMS	32	-40.4	43.08	54	-10.92	-	-	184	399	V
2	*2.349731	63.43	Pk	32	-40.3	55.13	-	-	74	-18.87	184	399	V
1	*2.39	61.13	Pk	32.1	-40.5	52.73	-	-	74	-21.27	184	399	V
3	*2.39	51.03	RMS	32.1	-40.5	42.63	54	-11.37	-	-	184	399	V

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

Pk - Peak detector

RMS - RMS detection

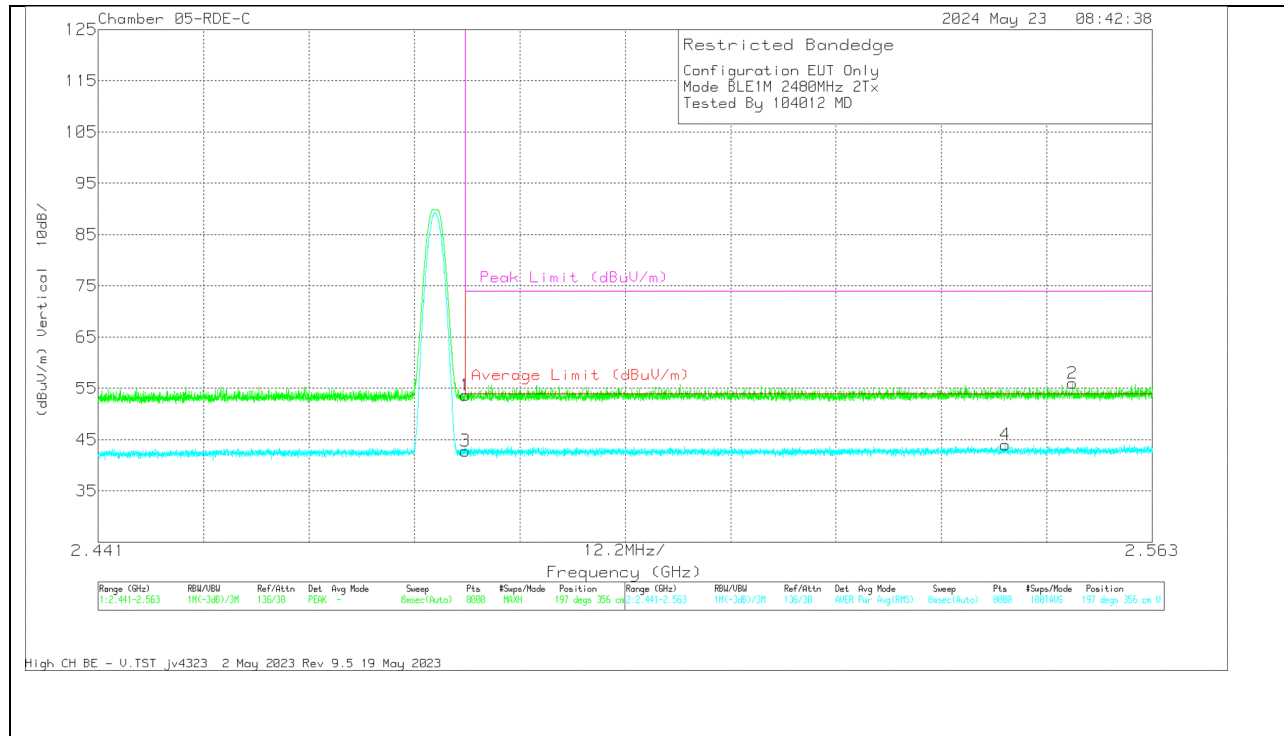
BANEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	60.92	Pk	32.4	-40.45	52.87	-	-	74	-21.13	225	154	H
3	*2.4835	50.85	RMS	32.4	-40.45	42.8	54	-11.2	-	-	225	154	H
4	*2.531368	51.55	RMS	32.5	-40.2	43.85	54	-10.15	-	-	225	154	H
2	*2.544149	63.93	Pk	32.6	-40.3	56.23	-	-	74	-17.77	225	154	H

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

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

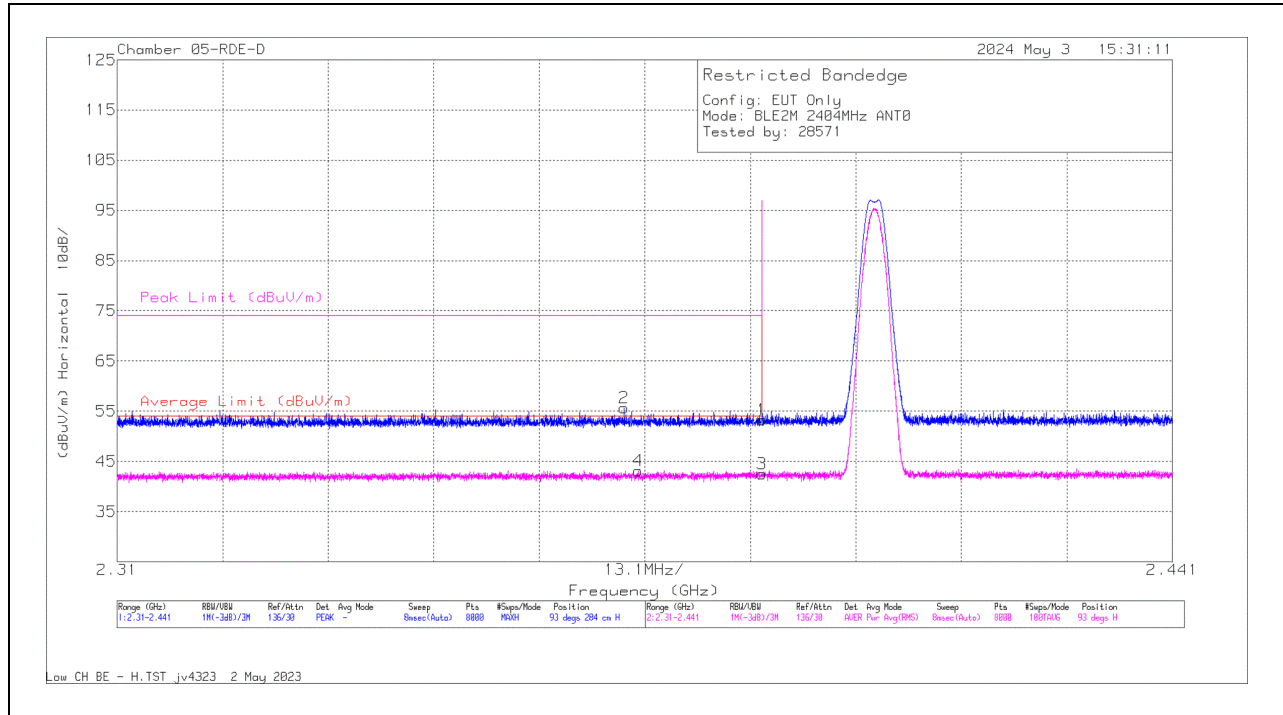


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.72	Pk	32.4	-40.45	53.67	-	-	74	-20.33	197	356	V
3	*2.4835	50.84	RMS	32.4	-40.45	42.79	54	-11.21	-	-	197	356	V
4	*2.54601	51.71	RMS	32.6	-40.3	44.01	54	-9.99	-	-	197	356	V
2	*2.553773	63.6	Pk	32.6	-40.2	56	-	-	74	-18	197	356	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**

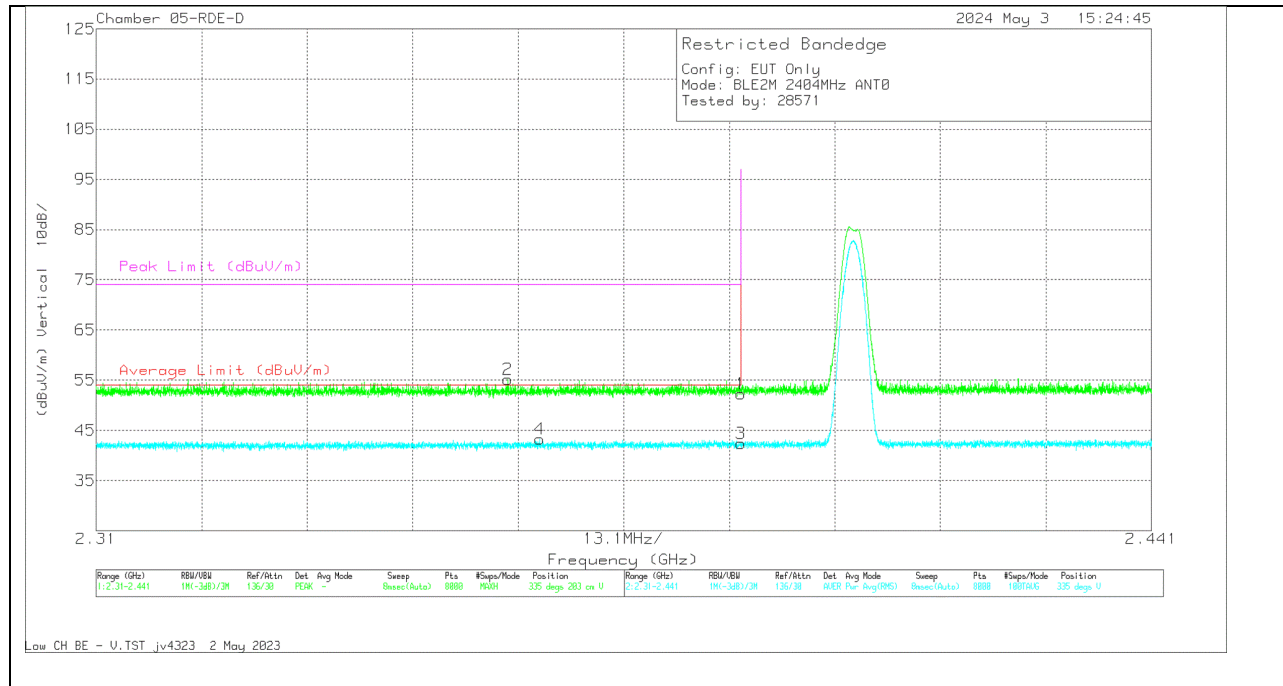
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.372953	64.65	Pk	32.1	-41.04	55.71	-	-	74	-18.29	93	284	H
4	*2.374673	52.14	RMS	32.1	-41.05	43.19	54	-10.81	-	-	93	284	H
1	*2.39	62.11	Pk	32.2	-41.02	53.29	-	-	74	-20.71	93	284	H
3	*2.39	51.33	RMS	32.2	-41.02	42.51	54	-11.49	-	-	93	284	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

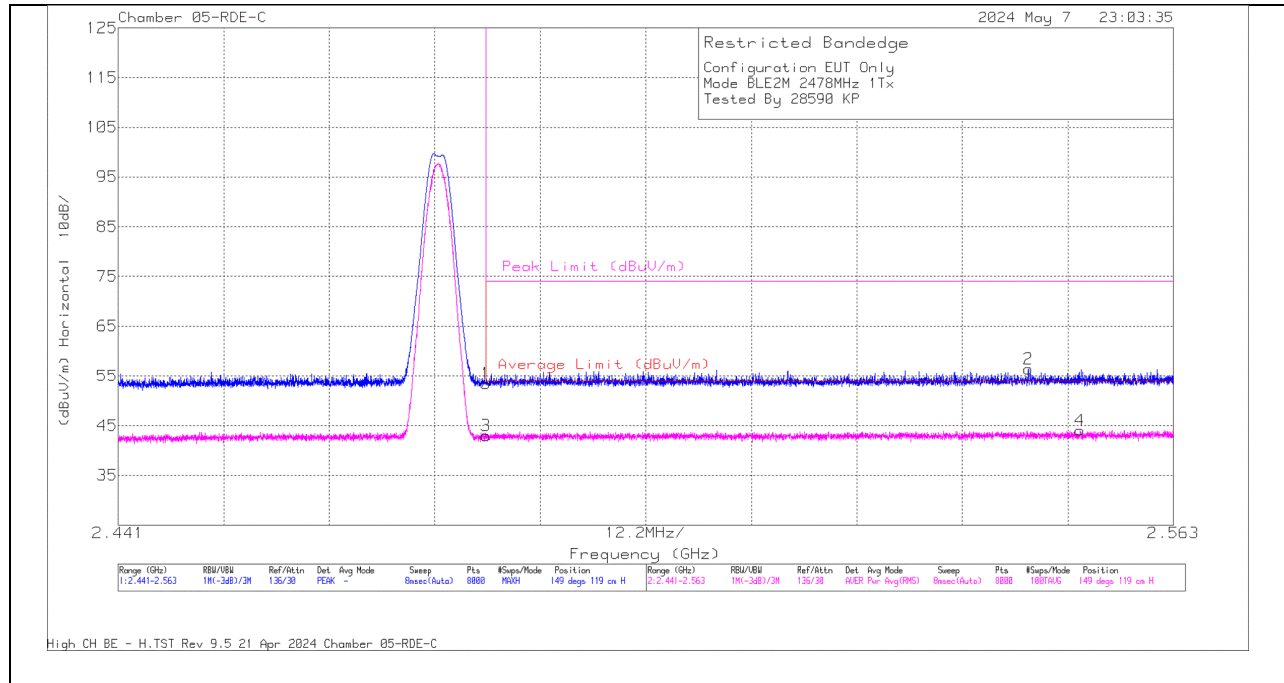


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.361129	64.19	Pk	32.1	-41.08	55.21	-	-	74	-18.79	335	203	V
4	*2.365043	52.17	RMS	32.1	-41.05	43.22	54	-10.78	-	-	335	203	V
1	*2.39	61.11	Pk	32.2	-41.02	52.29	-	-	74	-21.71	335	203	V
3	*2.39	51.22	RMS	32.2	-41.02	42.4	54	-11.6	-	-	335	203	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

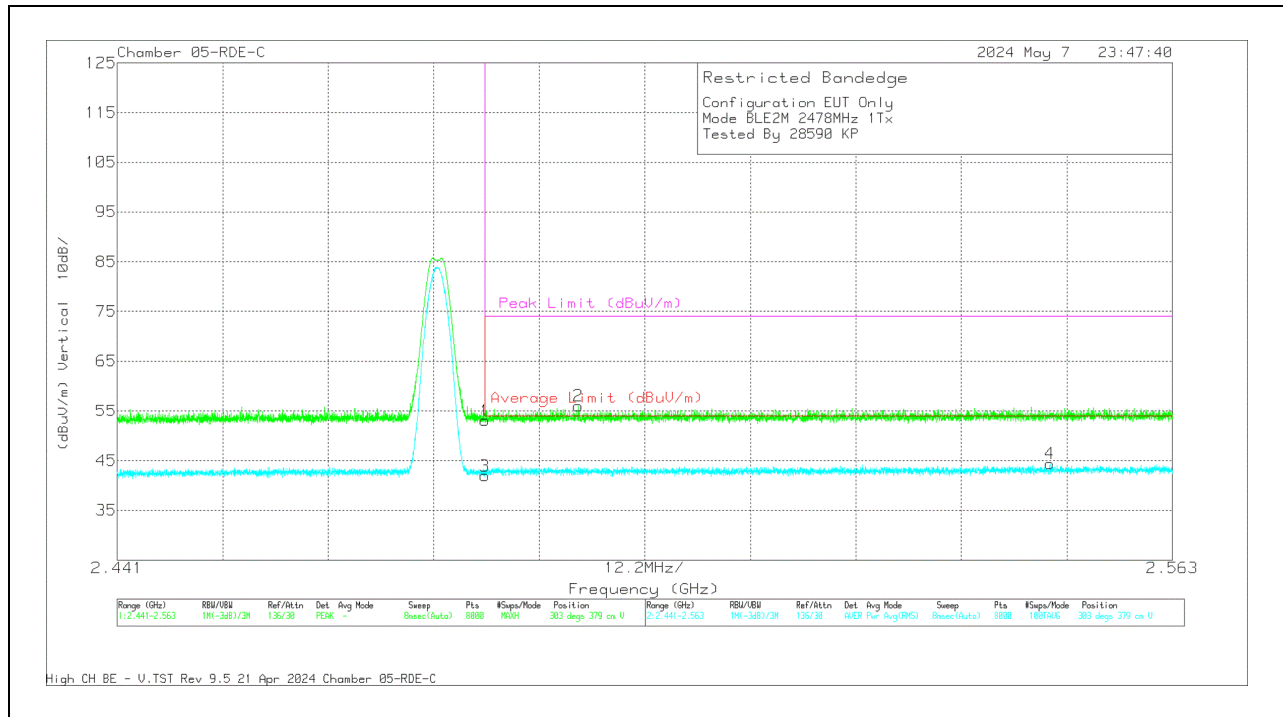
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.56	Pk	32.4	-40.45	53.51	-	-	74	-20.49	149	119	H
3	*2.4835	51.06	RMS	32.4	-40.45	43.01	54	-10.99	-	-	149	119	H
2	*2.546224	64.1	Pk	32.6	-40.3	56.4	-	-	74	-17.6	149	119	H
4	*2.552233	51.76	RMS	32.6	-40.28	44.08	54	-9.92	-	-	149	119	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

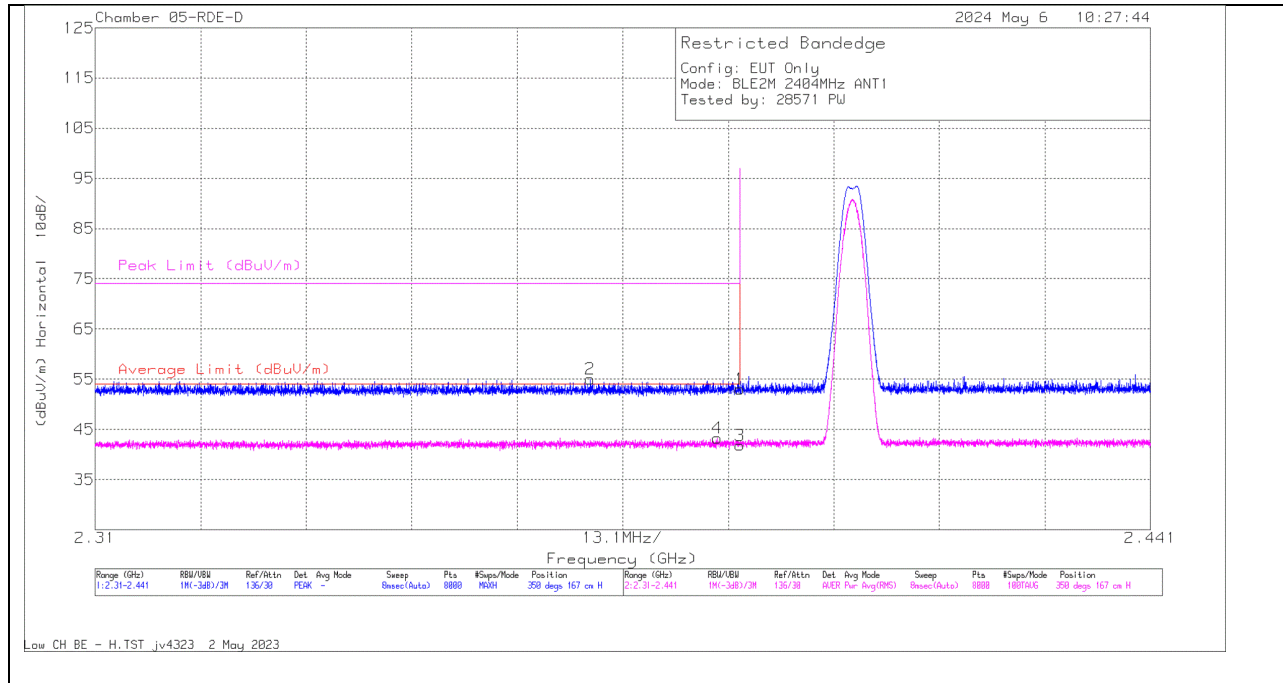


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.09	Pk	32.4	-40.45	53.04	-	-	74	-20.96	303	379	V
3	*2.4835	49.99	RMS	32.4	-40.45	41.94	54	-12.06	-	-	303	379	V
2	*2.494336	63.96	Pk	32.5	-40.5	55.96	-	-	74	-18.04	303	379	V
4	*2.548832	51.99	RMS	32.6	-40.22	44.37	54	-9.63	-	-	303	379	V

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

Pk - Peak detector

RMS - RMS detection

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

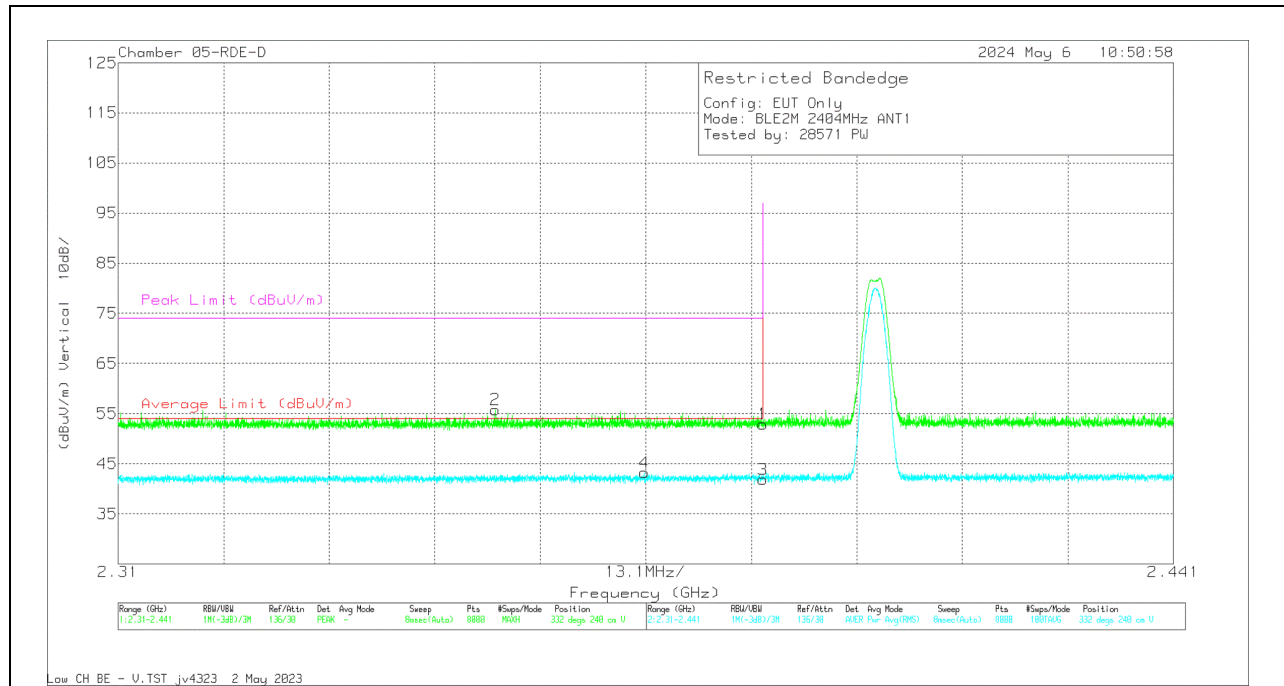
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.371447	63.96	Pk	32.1	-41.05	55.01	-	-	74	-18.99	350	167	H
4	*2.387201	52.21	RMS	32.1	-41.02	43.29	54	-10.71	-	-	350	167	H
1	*2.39	61.87	Pk	32.2	-41.02	53.05	-	-	74	-20.95	350	167	H
3	*2.39	50.64	RMS	32.2	-41.02	41.82	54	-12.18	-	-	350	167	H

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

Pk - Peak detector

RMS - RMS detection

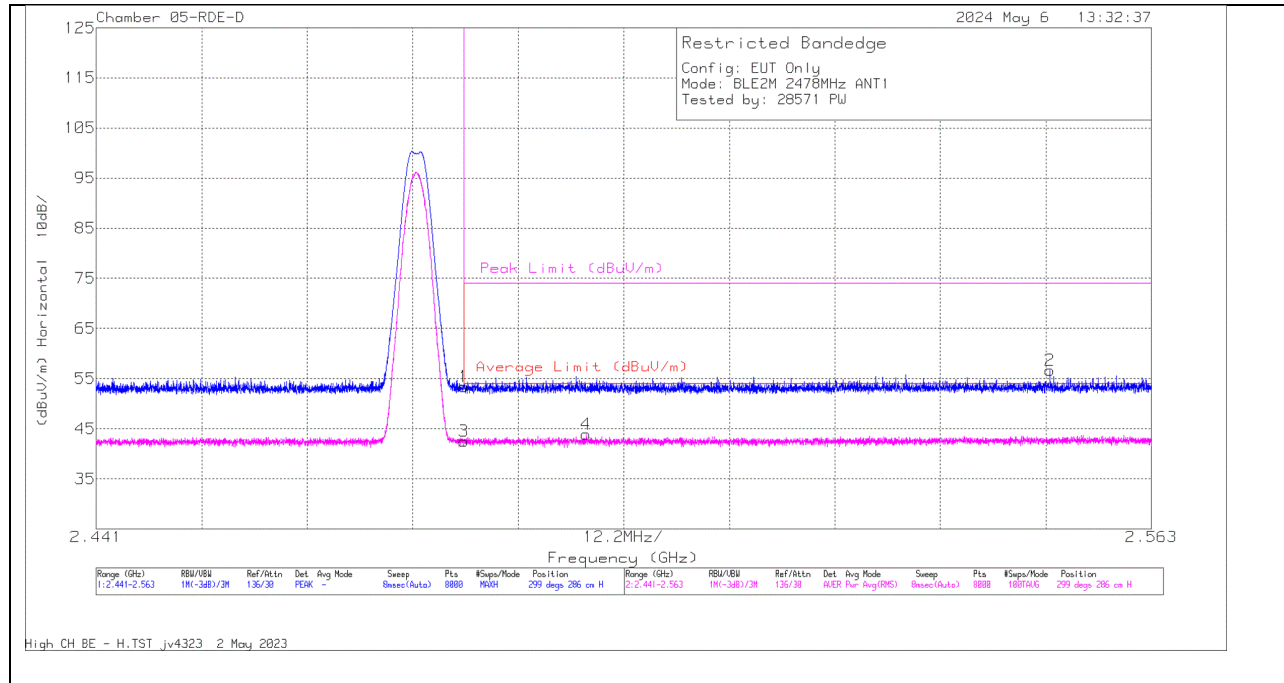
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m) 3mH	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
2	*2.356805	64.78	Pk	32.1	-41.09	55.79	-	-	74	-18.21	332	240	V
4	*2.375328	52.14	RMS	32.1	-41.03	43.21	54	-10.79	-	-	332	240	V
1	*2.39	61.75	Pk	32.2	-41.02	52.93	-	-	74	-21.07	332	240	V
3	*2.39	50.65	RMS	32.2	-41.02	41.83	54	-12.17	-	-	332	240	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	230299 ACF (dBm) 3mH	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	61.86	Pk	32.3	-40.78	53.38	-	-	74	-20.62	299	286	H
3	*2.4835	51.04	RMS	32.3	-40.78	42.56	54	-11.44	-	-	299	286	H
4	*2.497646	52.33	RMS	32.3	-40.75	43.88	54	-10.12	-	-	299	286	H
2	*2.551272	64.8	Pk	32.5	-40.61	56.69	-	-	74	-17.31	299	286	H

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

Pk - Peak detector

RMS - RMS detection