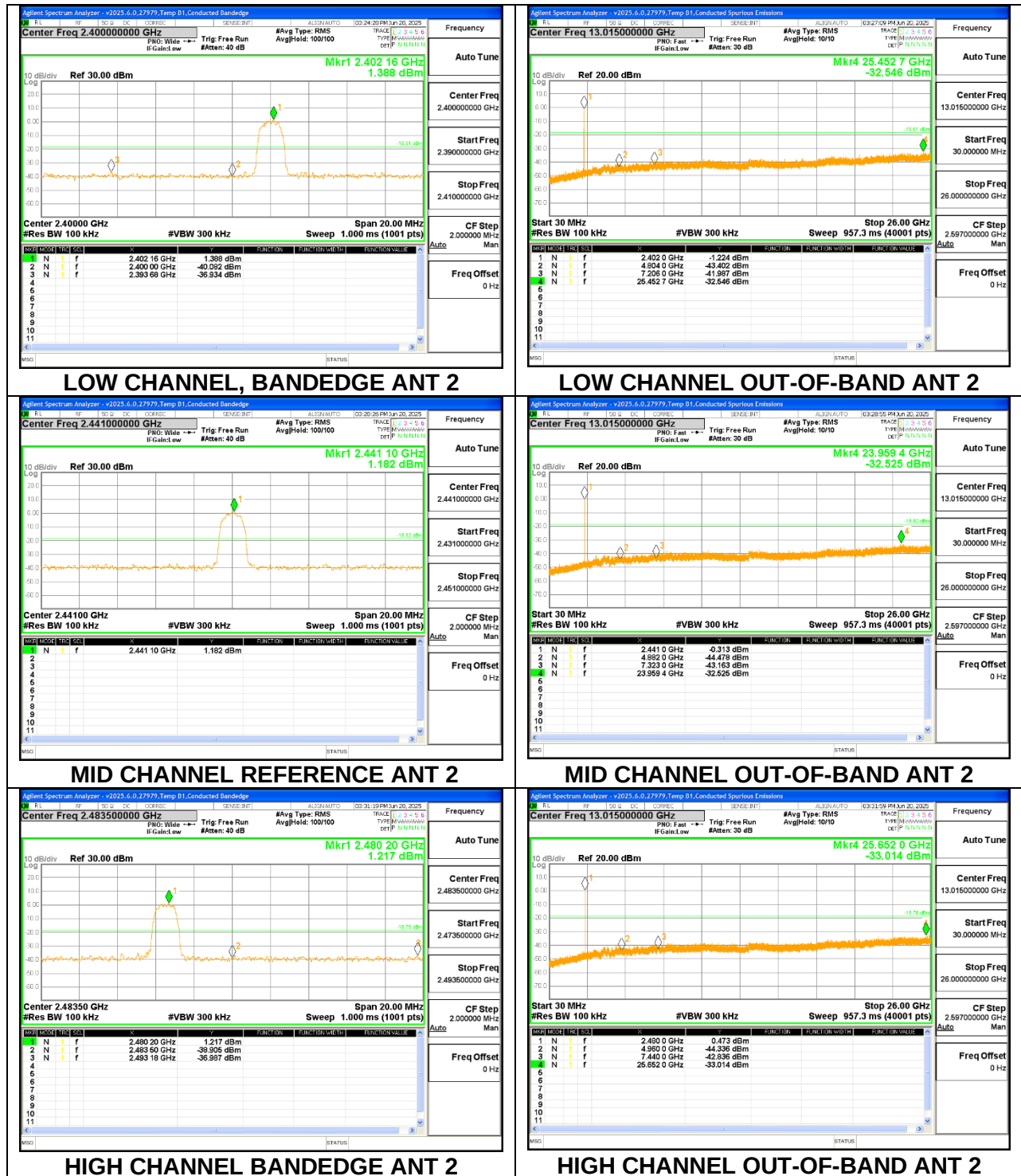
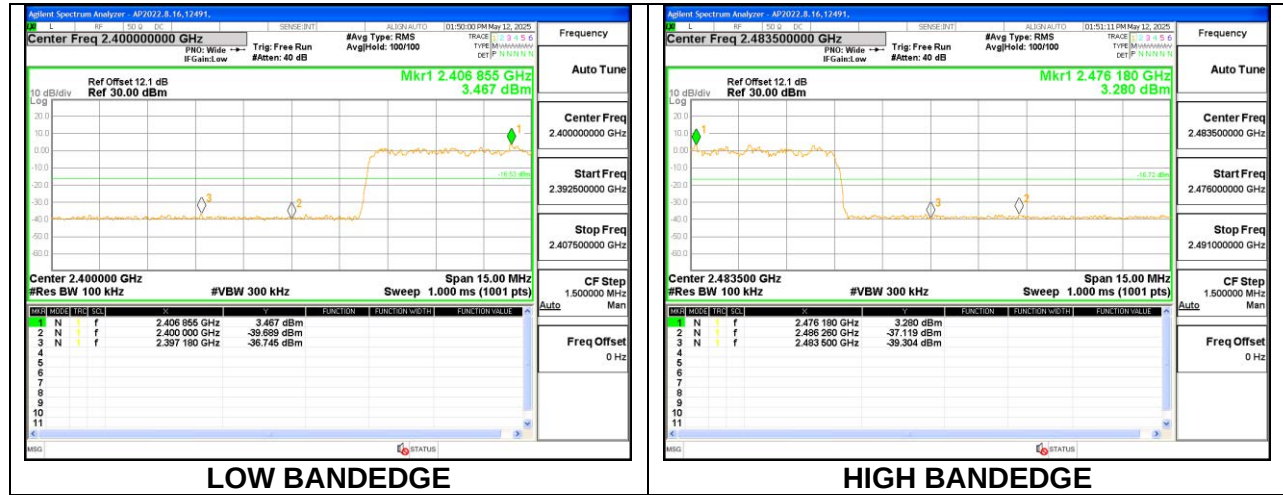


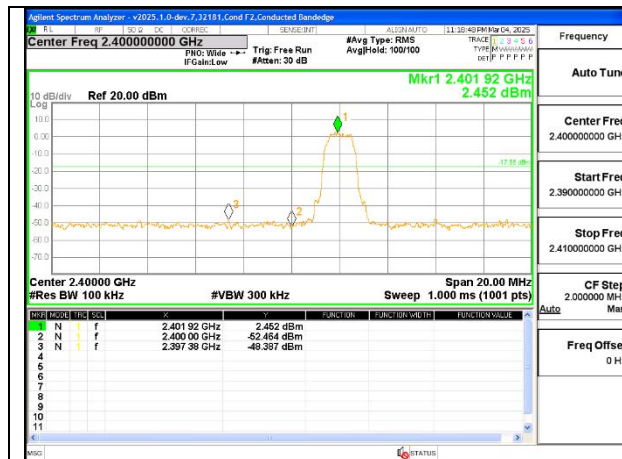
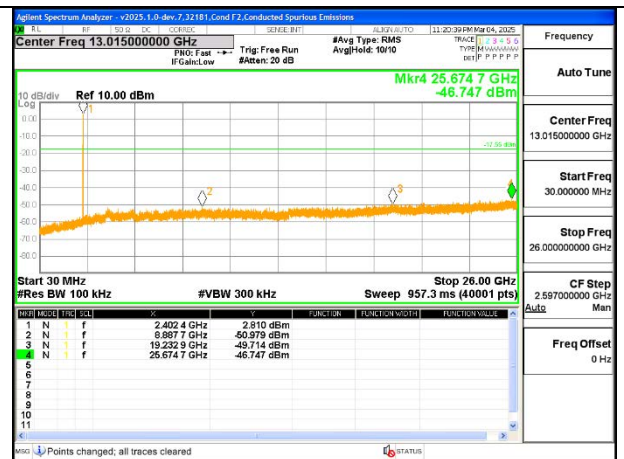
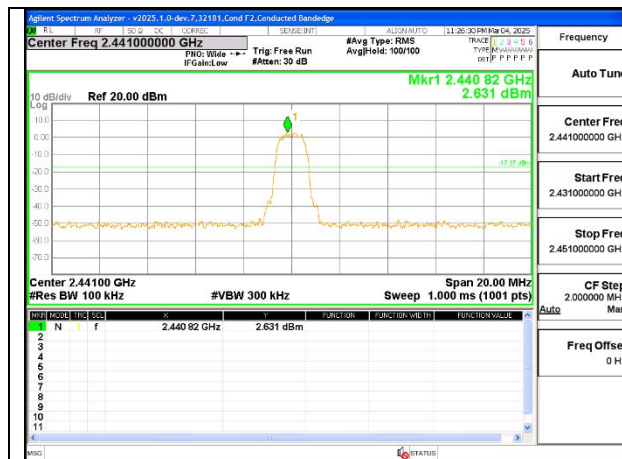
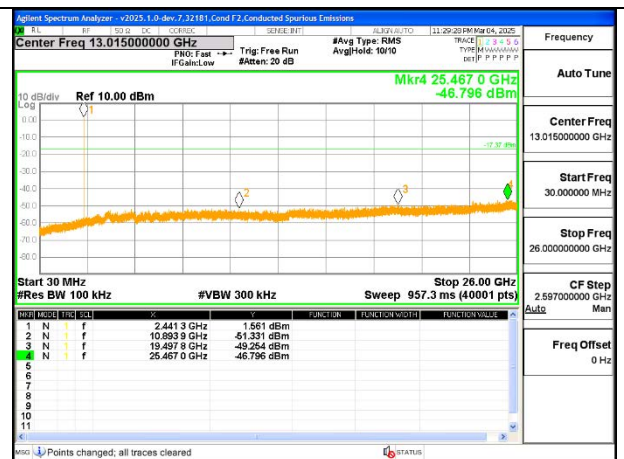
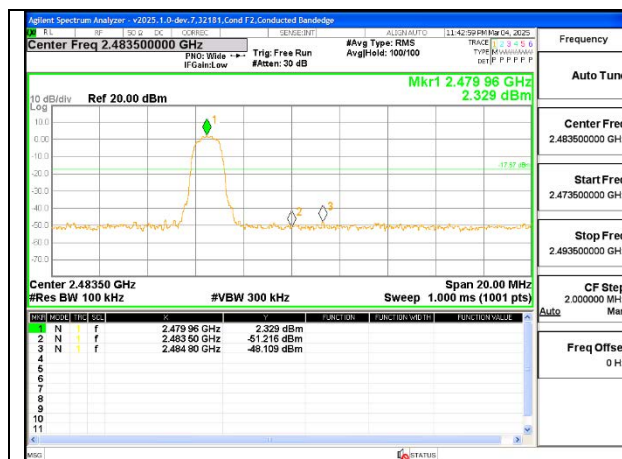
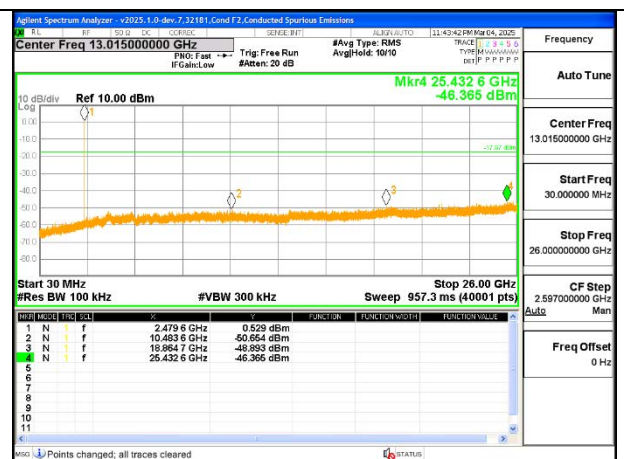
9.8.10. LOW POWER ENHANCED DATA RATE TXBF 8PSK MODULATION

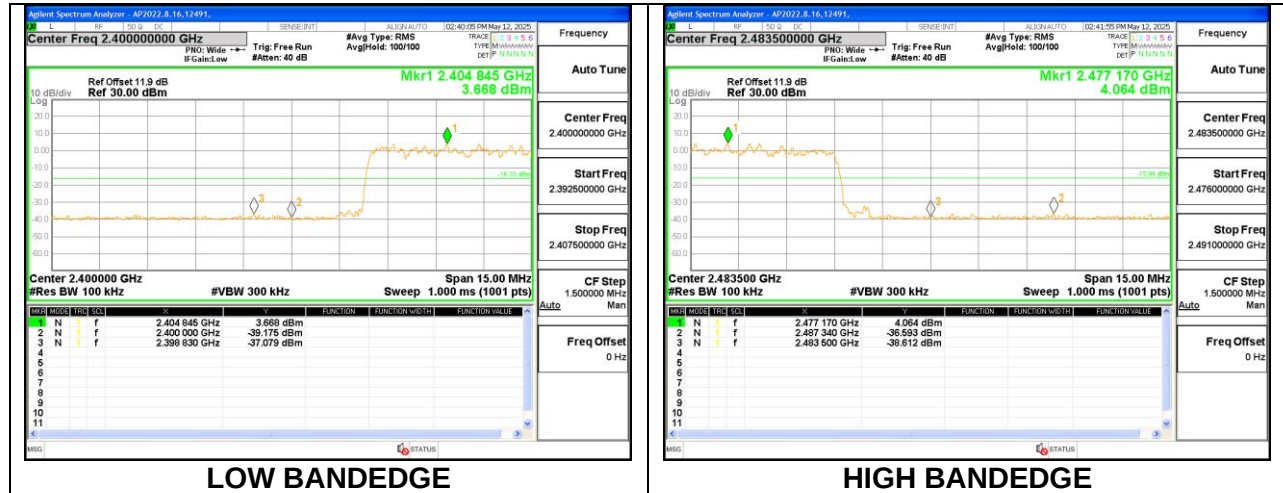
Note: Test procedure on beamforming mode is same as BT basic and EDR mode

ANT 2



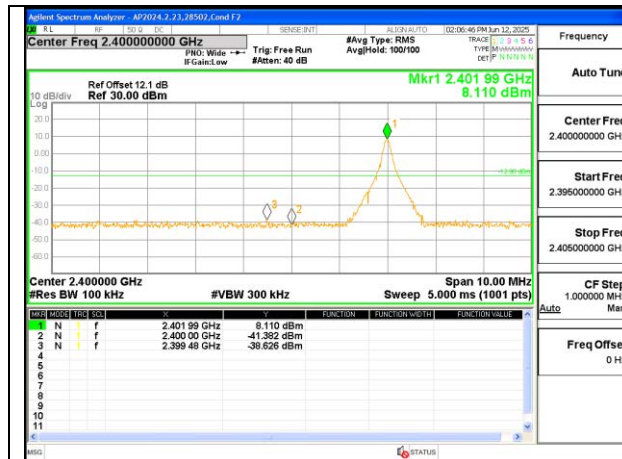
ANT 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

ANT 1**LOW CHANNEL BANDEDGE ANT 1****LOW CHANNEL OUT-OF-BAND ANT 1****MID CHANNEL REFERENCE ANT 1****MID CHANNEL OUT-OF-BAND ANT 1****HIGH CHANNEL BANDEDGE ANT 1****HIGH CHANNEL OUT-OF-BAND ANT 1**

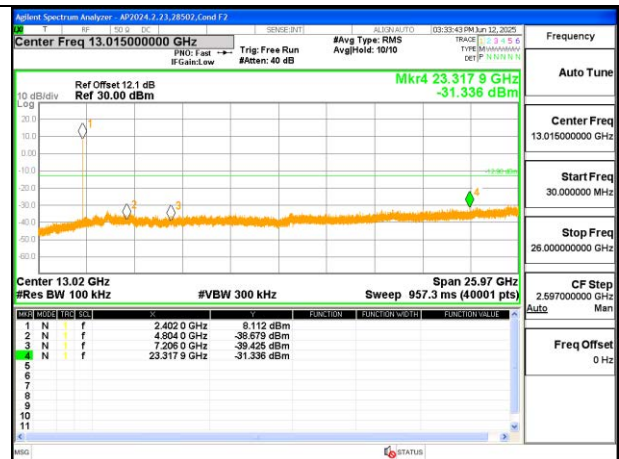
ANT 1 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

9.8.11. LOW POWER ENHANCED DATA RATE BTCSM2 MODULATION

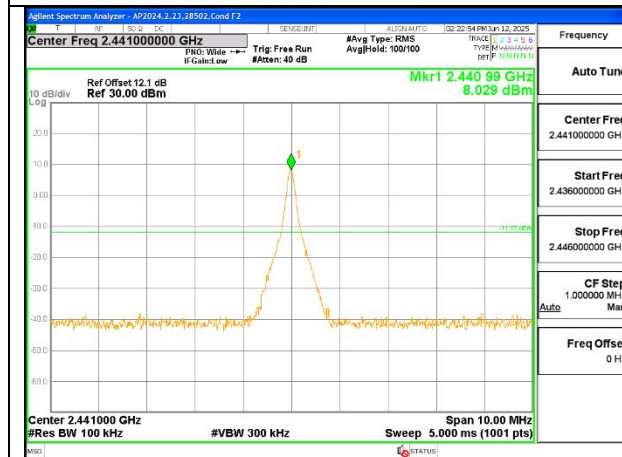
ANT 2 SPURIOUS EMISSIONS, NON-HOPPING



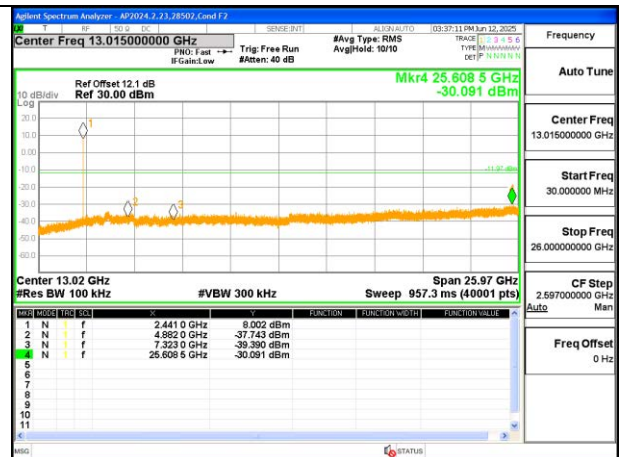
LOW CHANNEL BANDEDGE



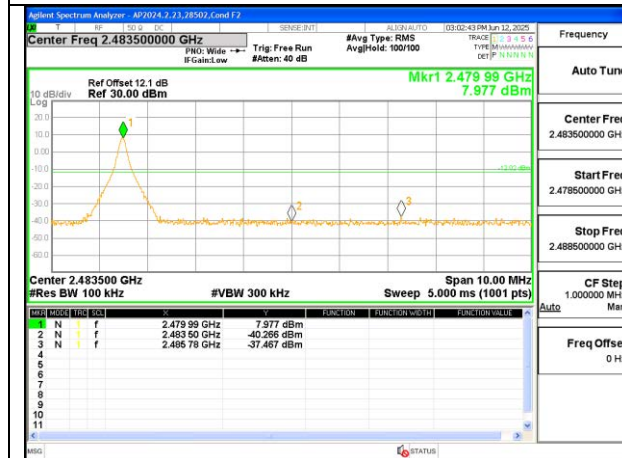
OUT-OF-BAND LOW CHANNEL



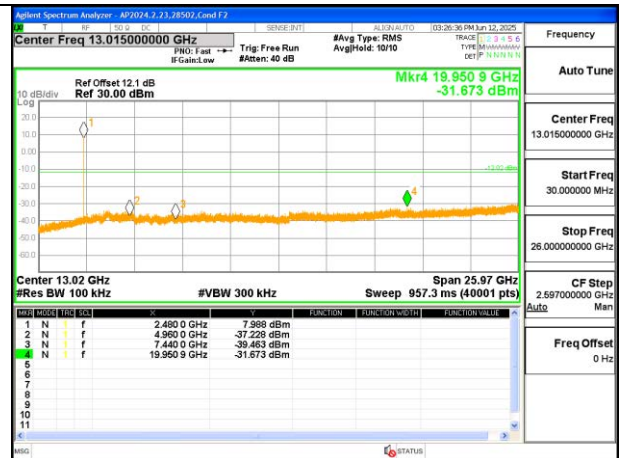
IN-BAND REFERENCE LEVEL



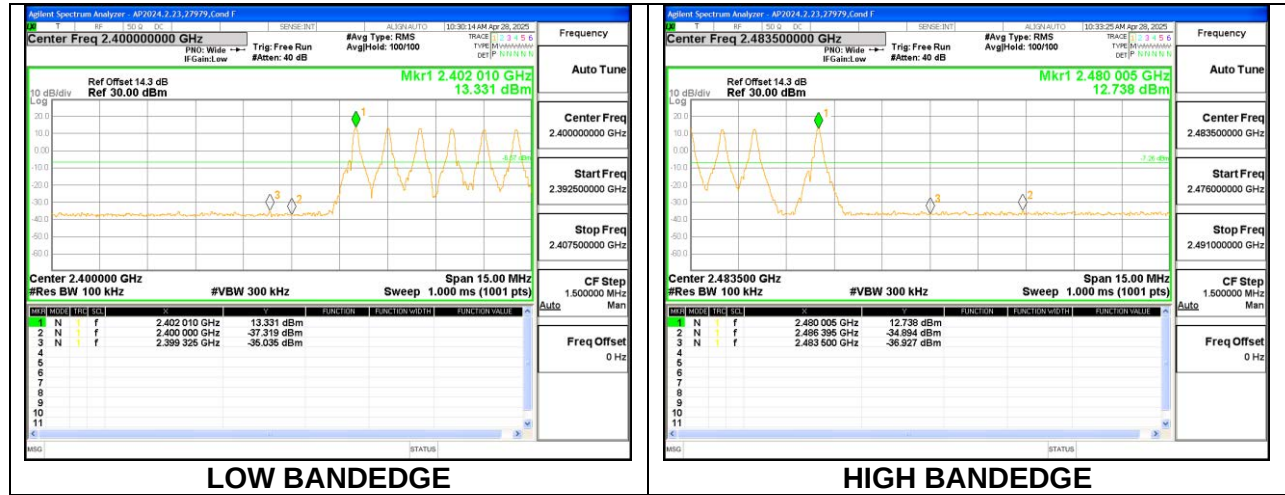
OUT-OF-BAND MID CHANNEL

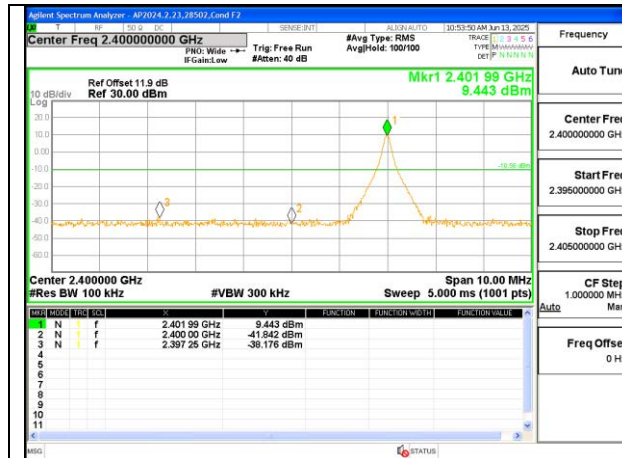
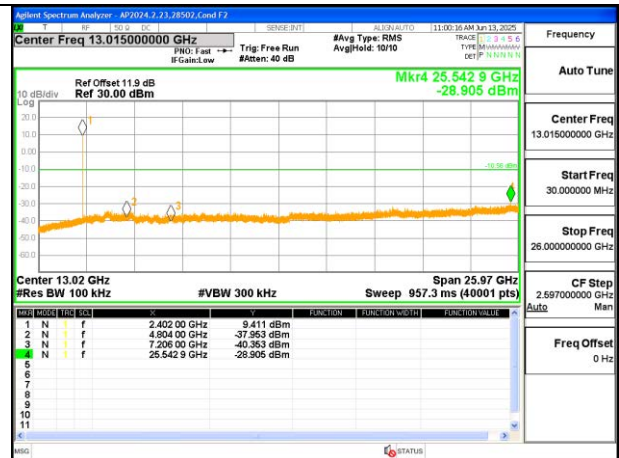
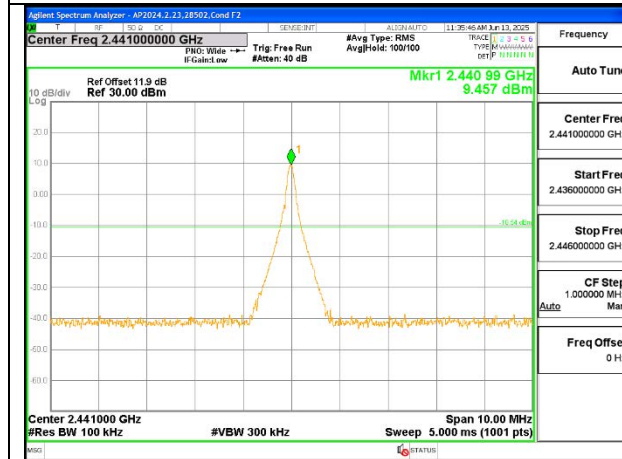
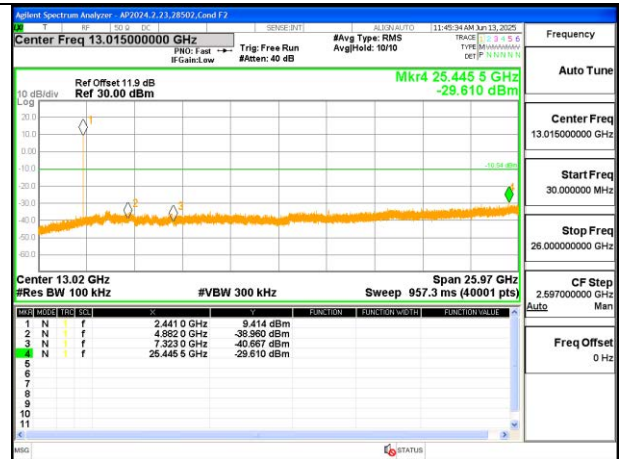
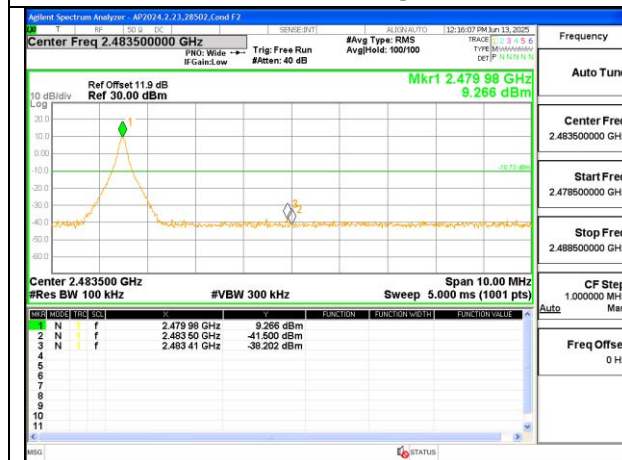
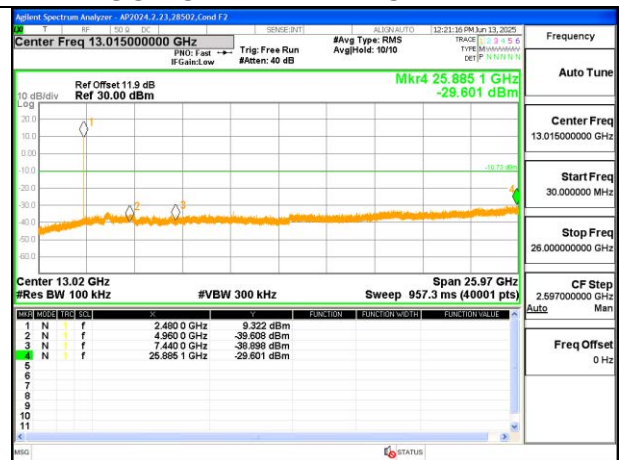


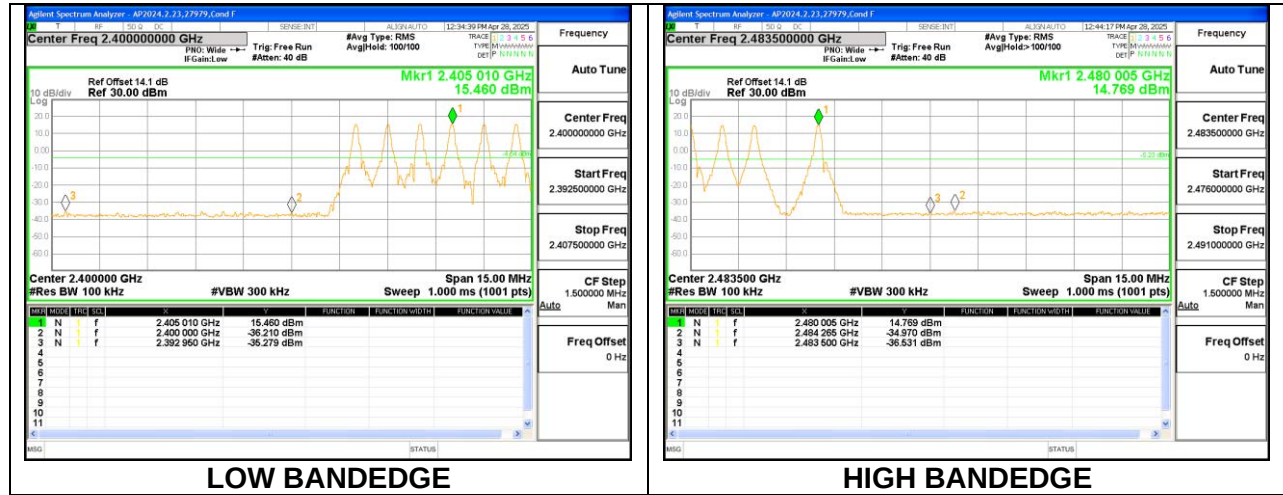
HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

ANT 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

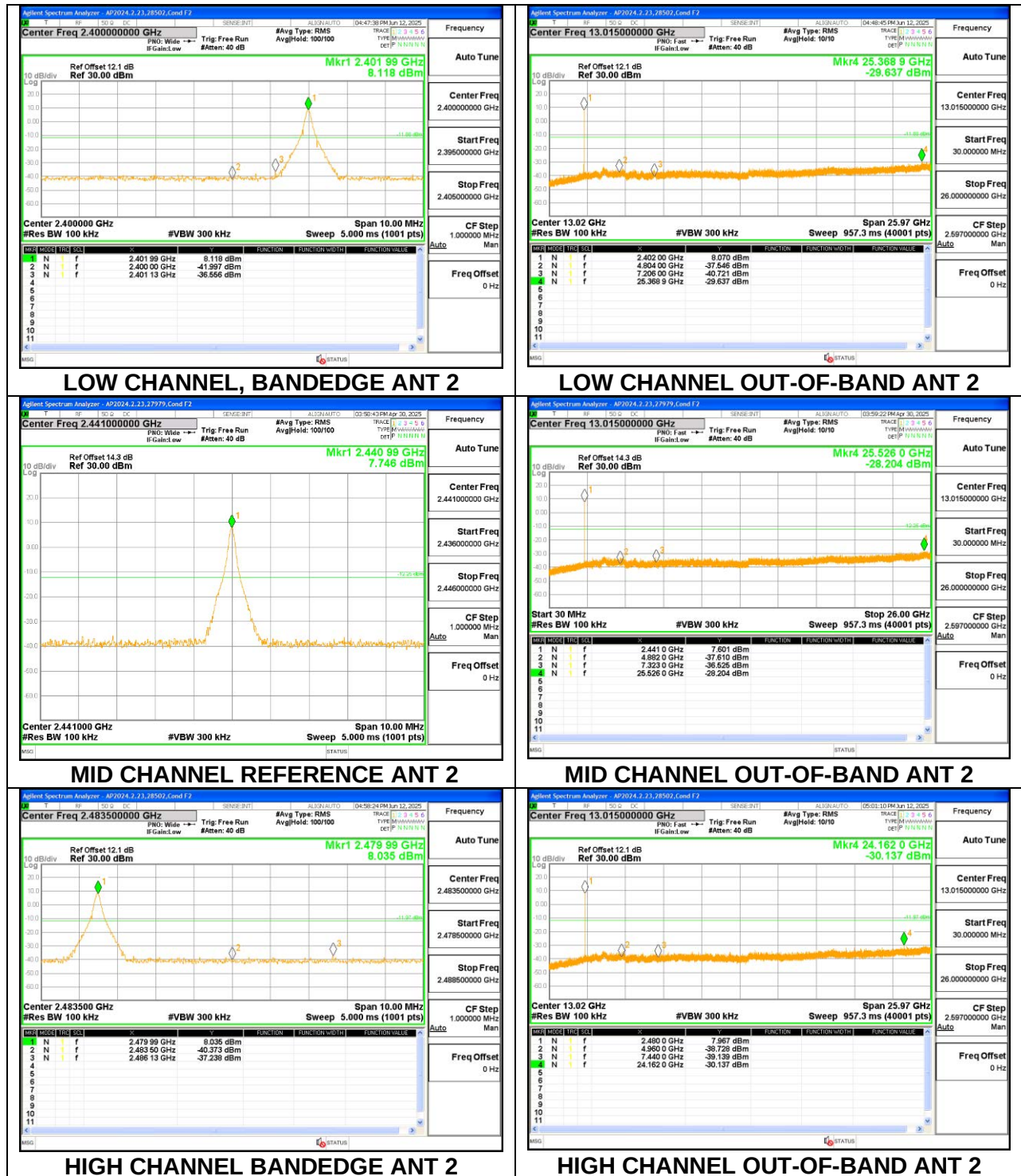
ANT 1 SPURIOUS EMISSIONS, NON-HOPPING**LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

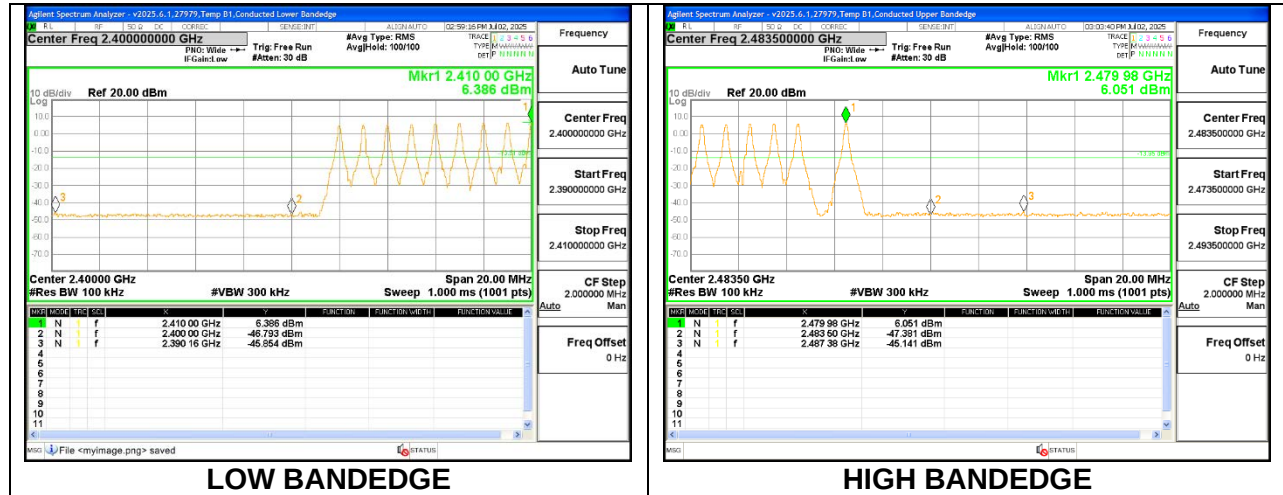
ANT 1 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

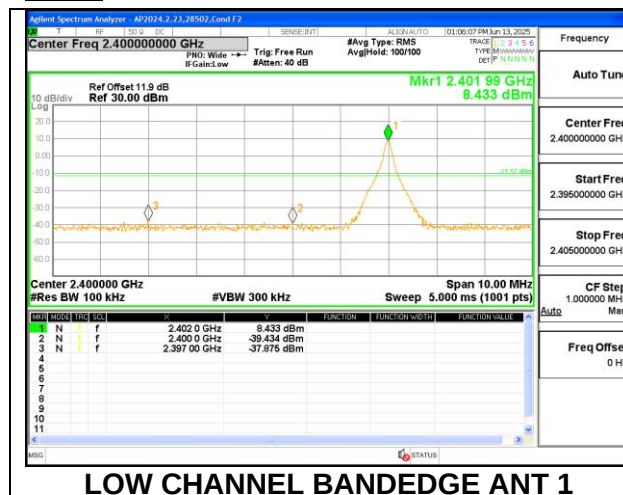
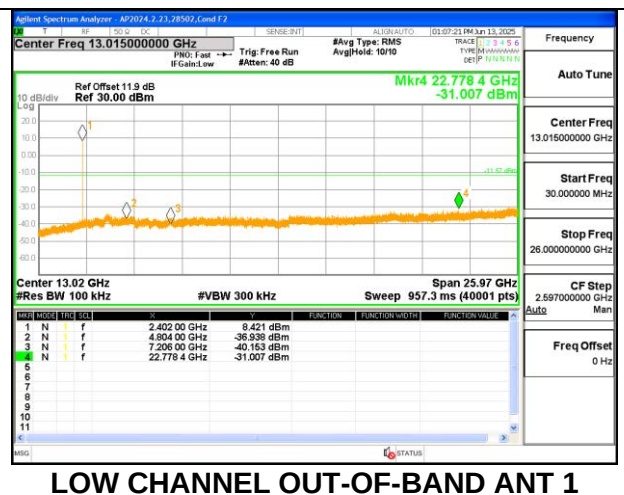
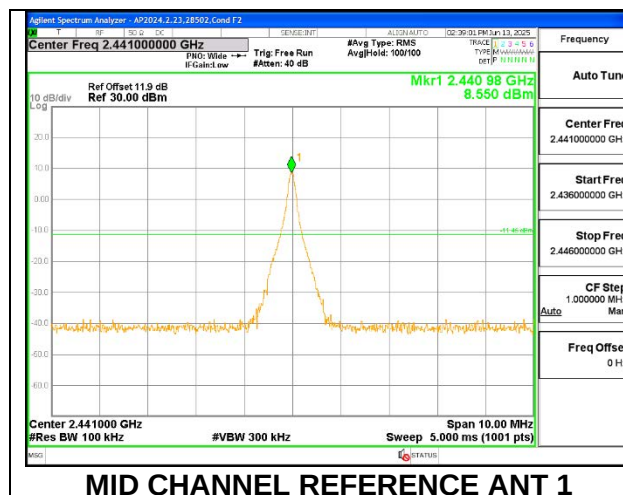
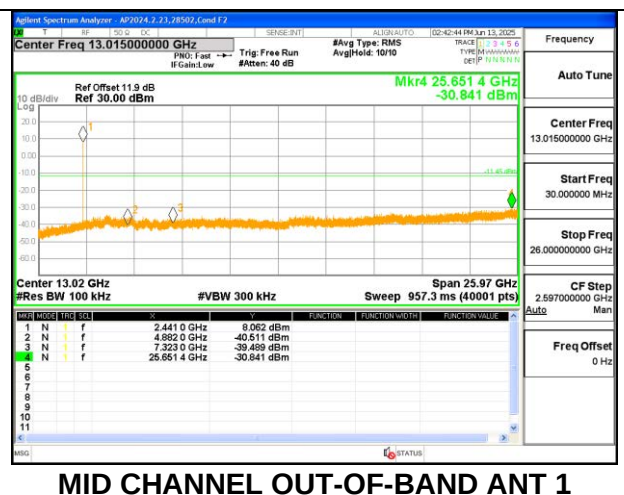
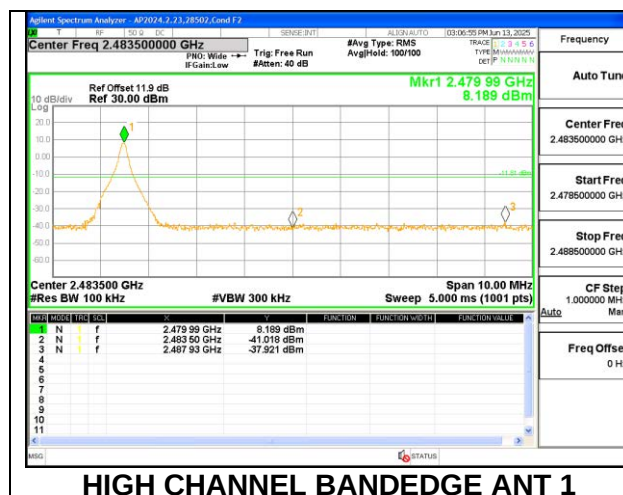
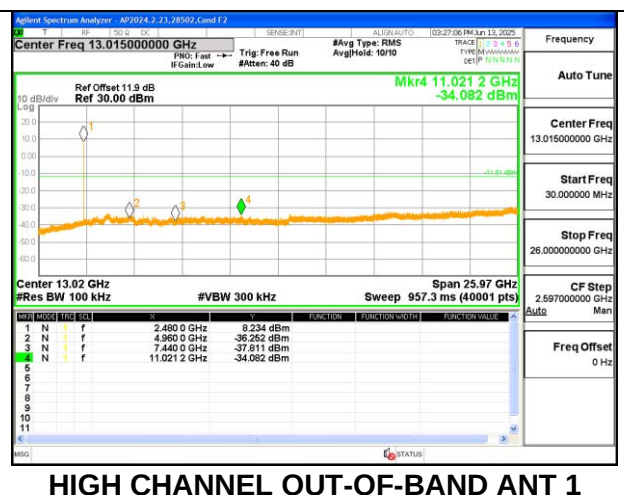
9.8.12. LOW POWER ENHANCED DATA RATE TXBF BTCSM2 MODULATION

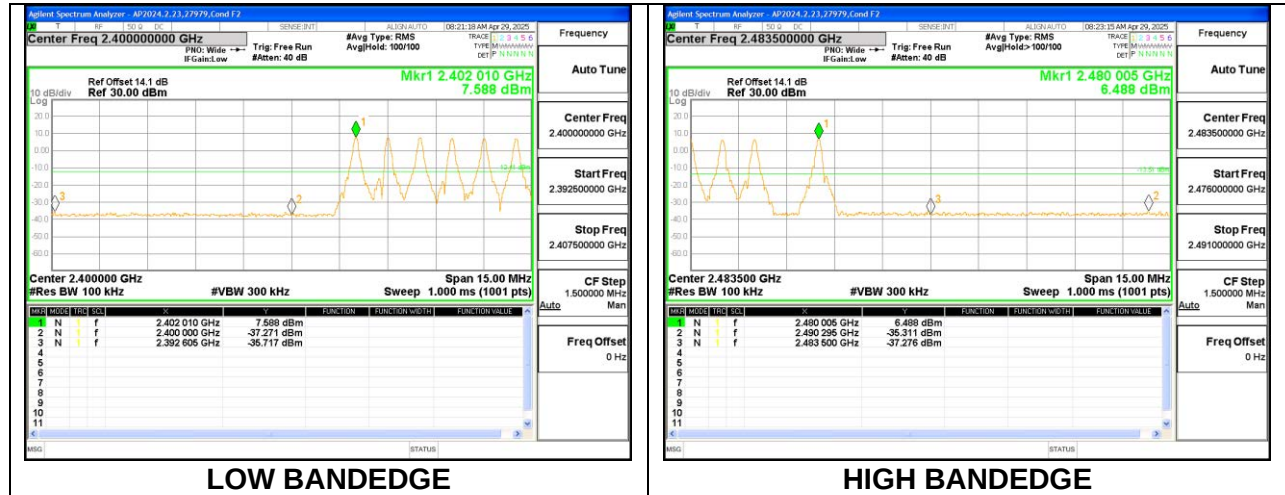
Note: Test procedure on beamforming mode is same as BT basic and EDR mode

ANT 2



ANT 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

ANT 1**LOW CHANNEL BANDEDGE ANT 1****LOW CHANNEL OUT-OF-BAND ANT 1****MID CHANNEL REFERENCE ANT 1****MID CHANNEL OUT-OF-BAND ANT 1****HIGH CHANNEL BANDEDGE ANT 1****HIGH CHANNEL OUT-OF-BAND ANT 1**

ANT 1 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

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

TEST PROCEDURE

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

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

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

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements. 1MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements where the actual VBW set for tests are as follows:

Bluetooth GFSK/8PSK:500Hz; BTCSM2: 30kHz

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

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

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

Note: The limits in CFR 47, Part 5, 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 electrical field strength levels (as report in the table) using free space impedance of 377Ohms. For example, the measurement of 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 margins, W dB to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

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.

KDB 558074 D01 15.247 Meas Guidance

Use of a duty cycle correction factor (DCCF) is permitted for calculating average radiated field strength emission levels for an FHSS device in 15.247. This DCCF can be applied when the field strength limit (e.g., within a Government Restricted band) and the conditions specified in Section 15.35(c) can be satisfied. The average radiated field strength is calculated by subtracting the DCCF from the maximum radiated field strength level as determined through measurement. The maximum radiated field strength level represents the worst-case (maximum amplitude) RMS measurement of the emission(s) during continuous transmission (i.e., not including any time intervals during which the transmitter is off or is transmitting at a reduced power level). It is also acceptable to apply the DCCF to a measurement performed with a peak detector instead of the specified RMS power averaging detector. Note that Section 15.35(c) specifies that the DCCF shall represent the worst-case (greatest duty cycle) over any 100 msec transmission period.

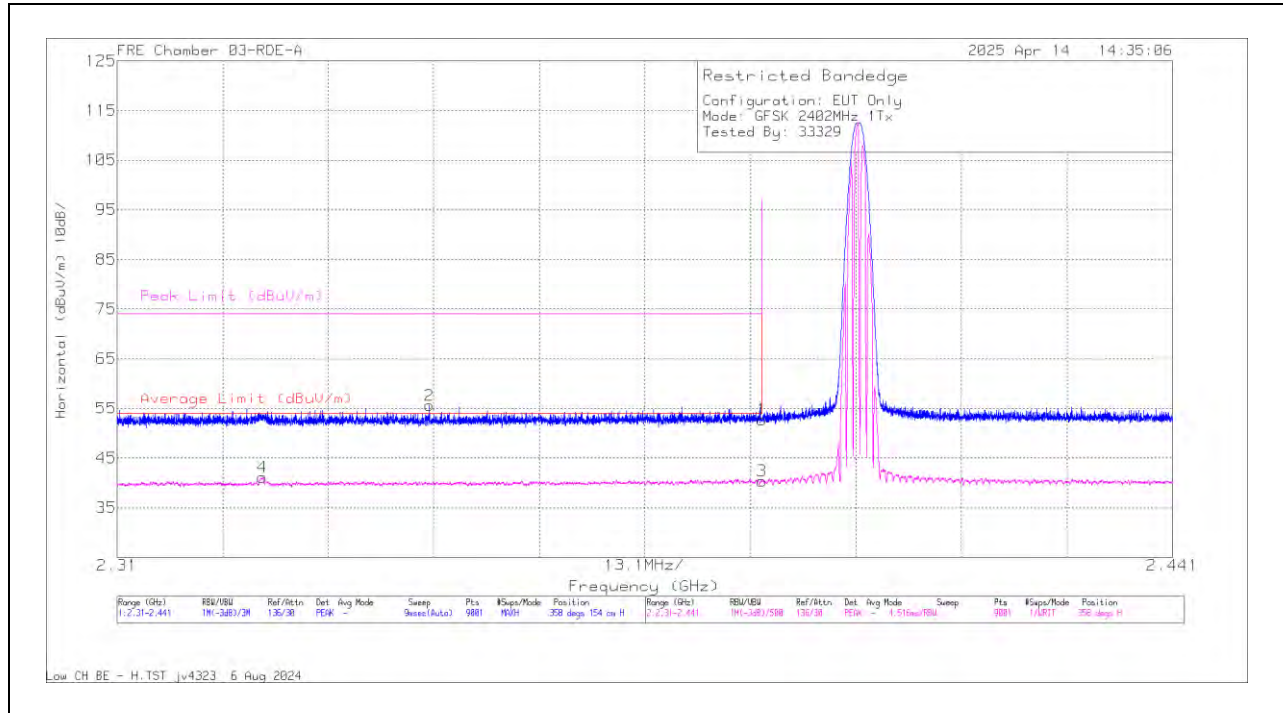
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

ANT 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



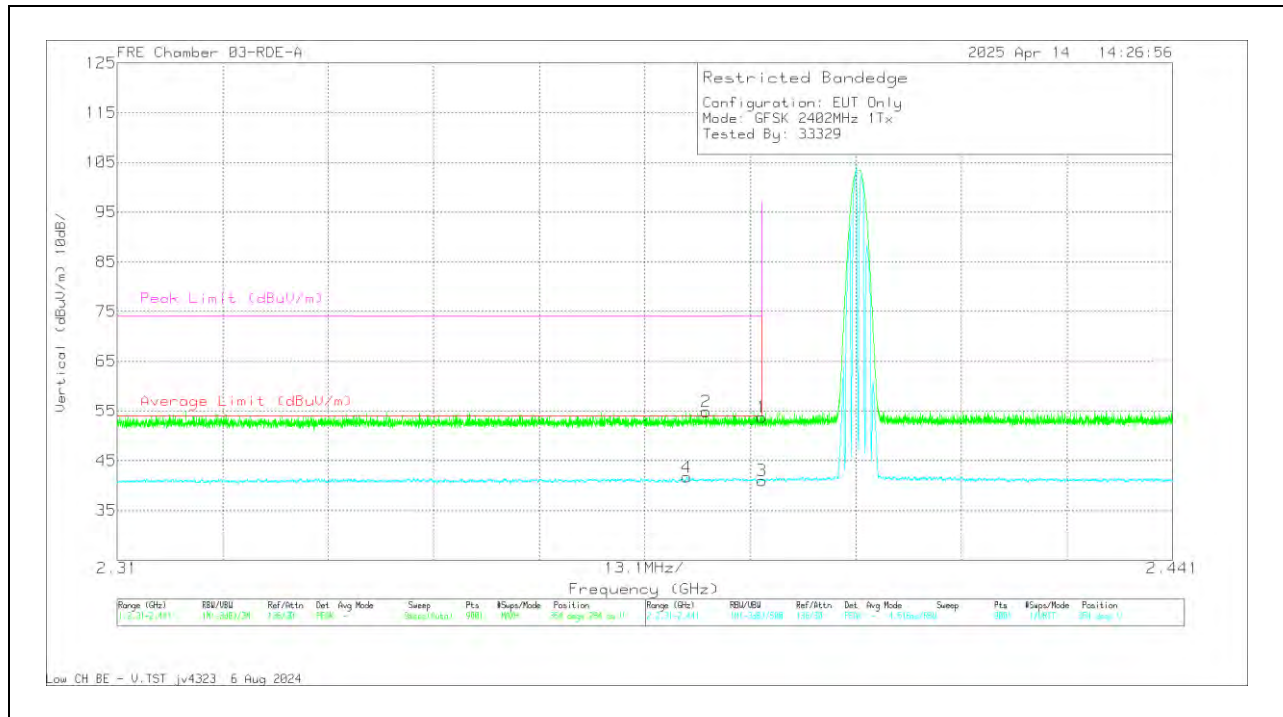
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.96	Pk	32.1	-40.3	52.76	-	-	74	-21.24	358	154	H
2	* 2.348763	63.87	Pk	32	-40.3	55.57	-	-	74	-18.43	358	154	H
3	* 2.39	48.54	VA1T	32.1	-40.3	40.34	54	-13.66	-	-	358	154	H
4	* 2.328064	49.59	VA1T	31.9	-40.4	41.09	54	-12.91	-	-	358	154	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.91	Pk	32.1	-40.3	53.71	-	-	74	-20.29	354	284	V
2	* 2.383115	63	Pk	32.1	-40.21	54.89	-	-	74	-19.11	354	284	V
3	* 2.39	48.01	VA1T	32.1	-40.3	39.81	54	-14.19	-	-	354	284	V
4	* 2.380728	48.63	VA1T	32.1	-40.2	40.53	54	-13.47	-	-	354	284	V

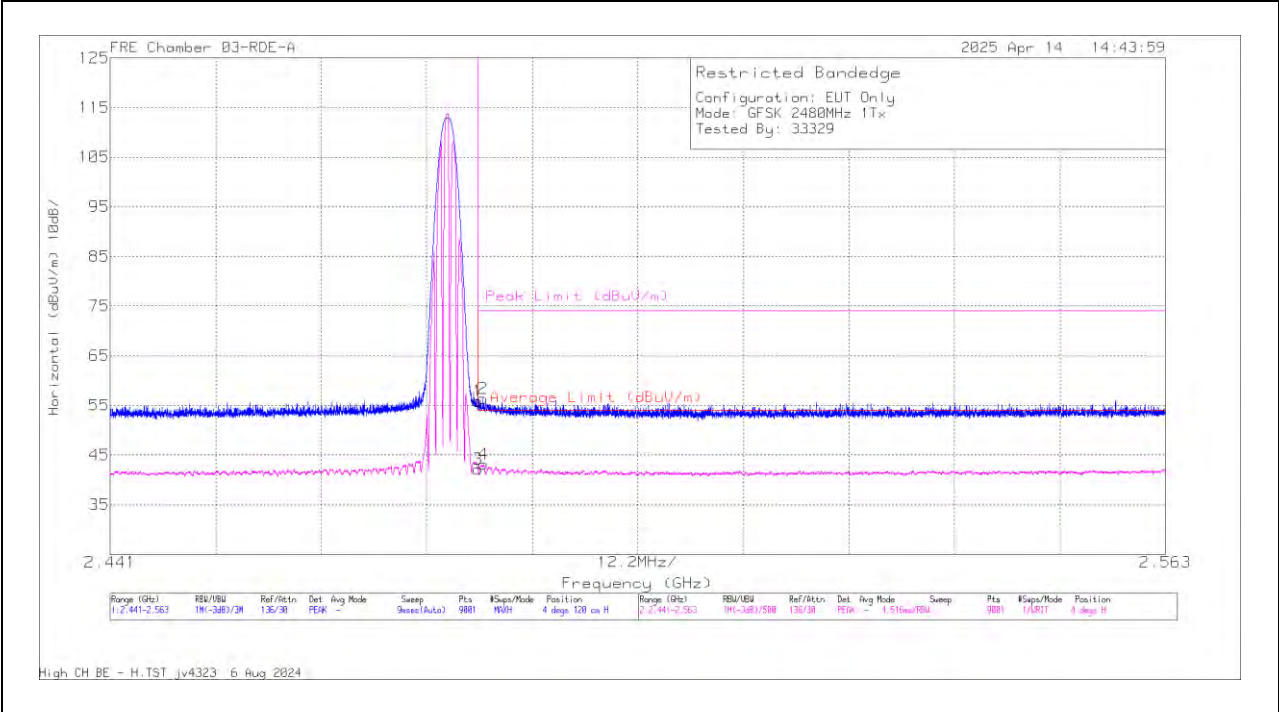
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

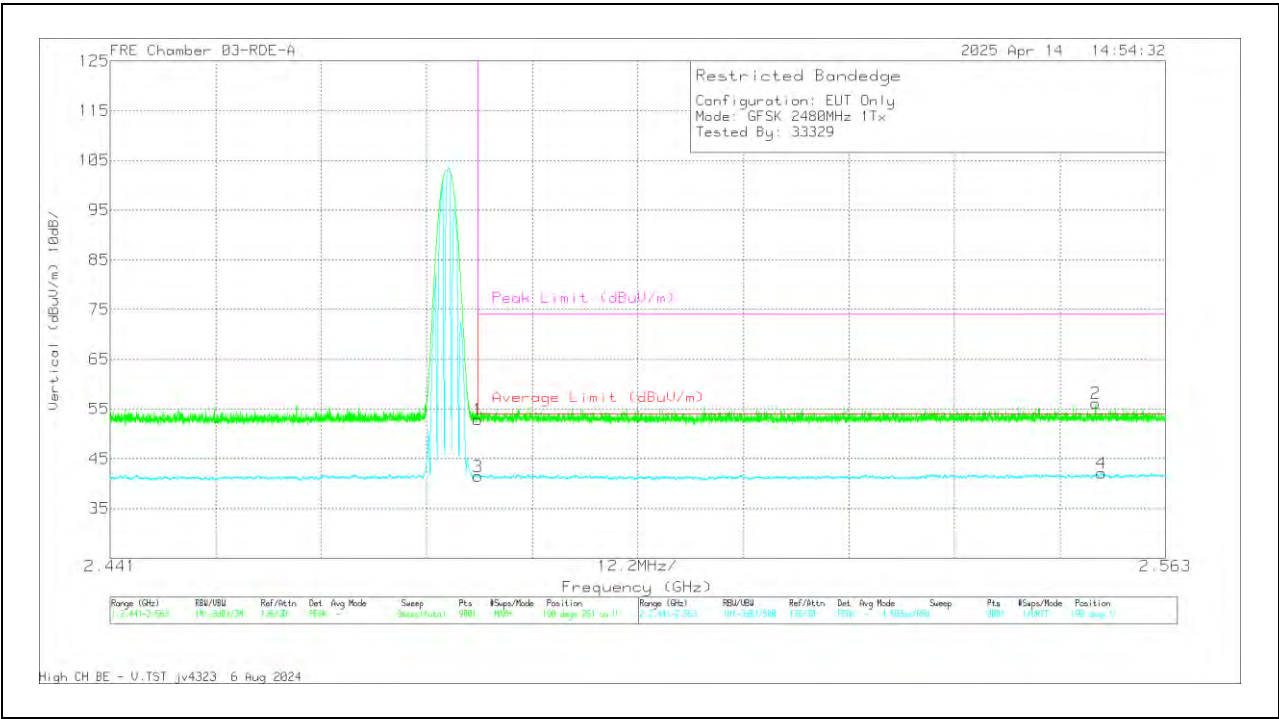
HORIZONTAL RESULT



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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.61	Pk	32.2	-39.95	55.86	-	-	74	-18.14	4	120	H
2	* 2.484095	64.07	Pk	32.2	-39.9	56.37	-	-	74	-17.63	4	120	H
3	* 2.4835	48.75	VA1T	32.2	-39.95	41.00	54	-13.00	-	-	4	120	H
4	* 2.484189	49.67	VA1T	32.2	-39.9	41.97	54	-12.03	-	-	4	120	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk – Peak detector
VA1T – FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



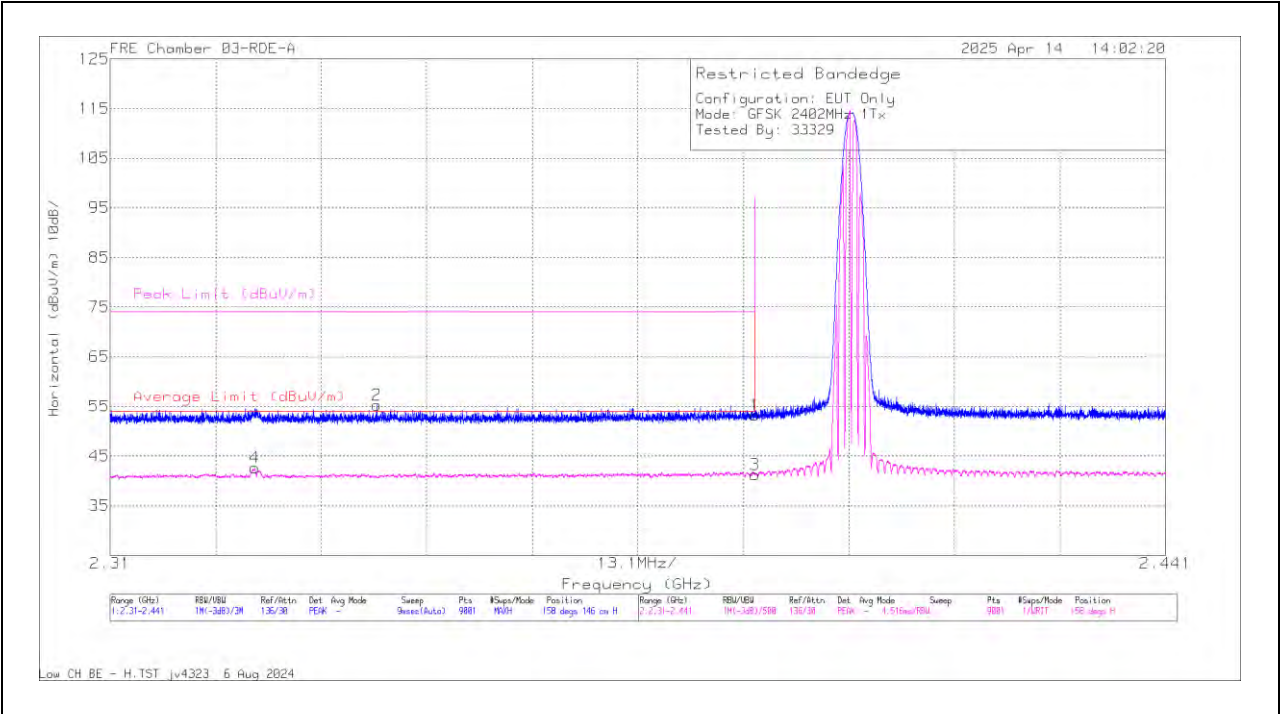
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.59	Pk	32.2	-39.95	52.84	-	-	74	-21.16	190	261	V
3	* 2.4835	48.03	VA1T	32.2	-39.95	41.18	54	-12.82	-	-	190	261	V
2	* 2.554925	63.62	Pk	32.2	-39.7	56.12	-	-	74	-17.88	190	261	V
4	* 2.55563	48.42	VA1T	32.2	-39.7	40.92	54	-13.08	-	-	190	261	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

ANT 1

BANDEDGE (LOW CHANNEL)

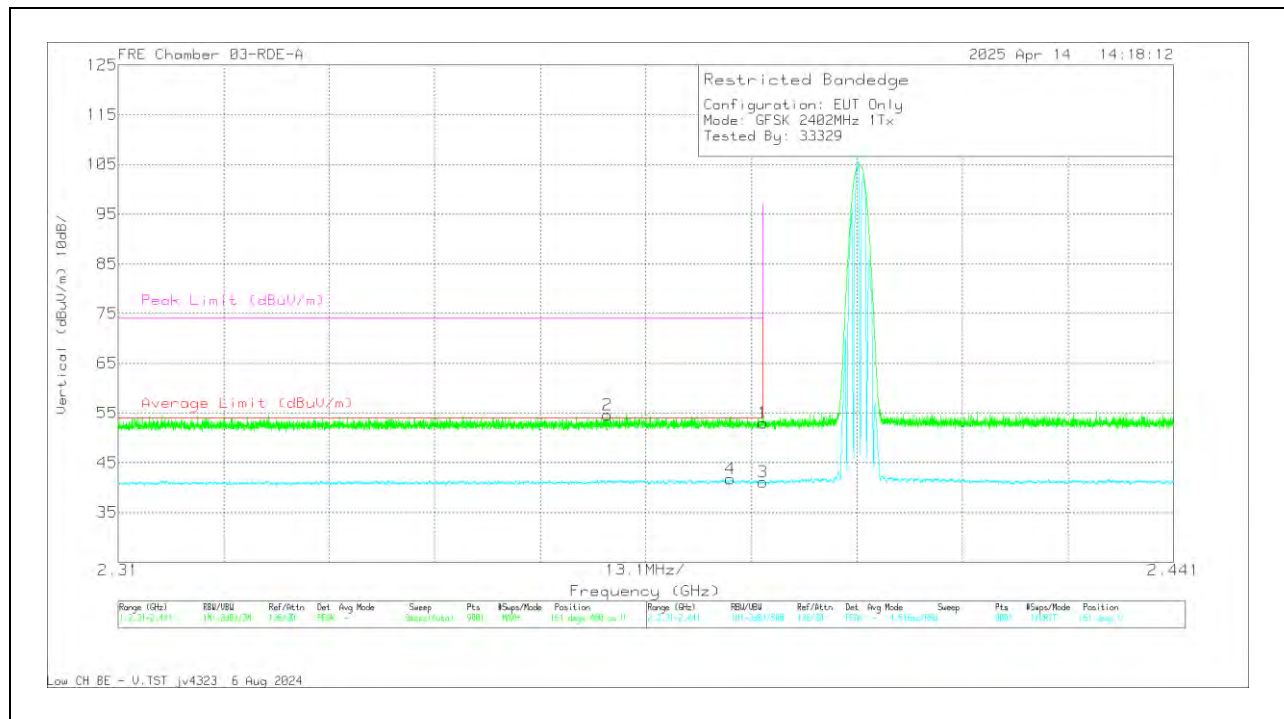
HORIZONTAL RESULT



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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.4	Pk	32.1	-40.3	53.2	-	-	74	-20.8	158	146	H
2	* 2.343086	63.61	Pk	32	-40.39	55.22	-	-	74	-18.78	158	146	H
3	* 2.39	48.26	VA1T	32.1	-40.3	40.06	54	-13.94	-	-	158	146	H
4	* 2.327977	49.94	VA1T	31.9	-40.4	41.44	54	-12.56	-	-	158	146	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak detector
VA1T – FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT

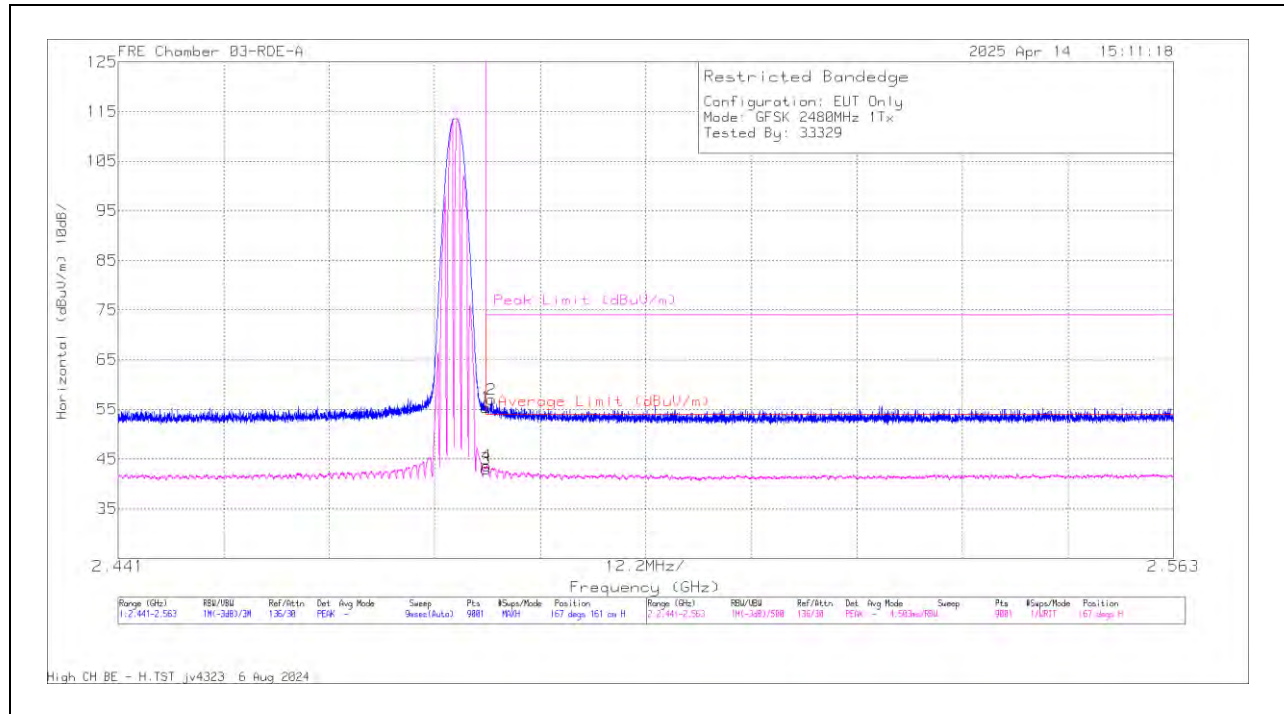


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.13	Pk	32.1	-40.3	52.93	-	-	74	-21.07	161	400	V
2	* 2.370713	62.8	Pk	32.1	-40.27	54.63	-	-	74	-19.37	161	400	V
3	* 2.39	48.13	VA1T	32.1	-40.3	39.93	54	-14.07	-	-	161	400	V
4	* 2.385997	48.67	VA1T	32.1	-40.2	40.57	54	-13.43	-	-	161	400	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

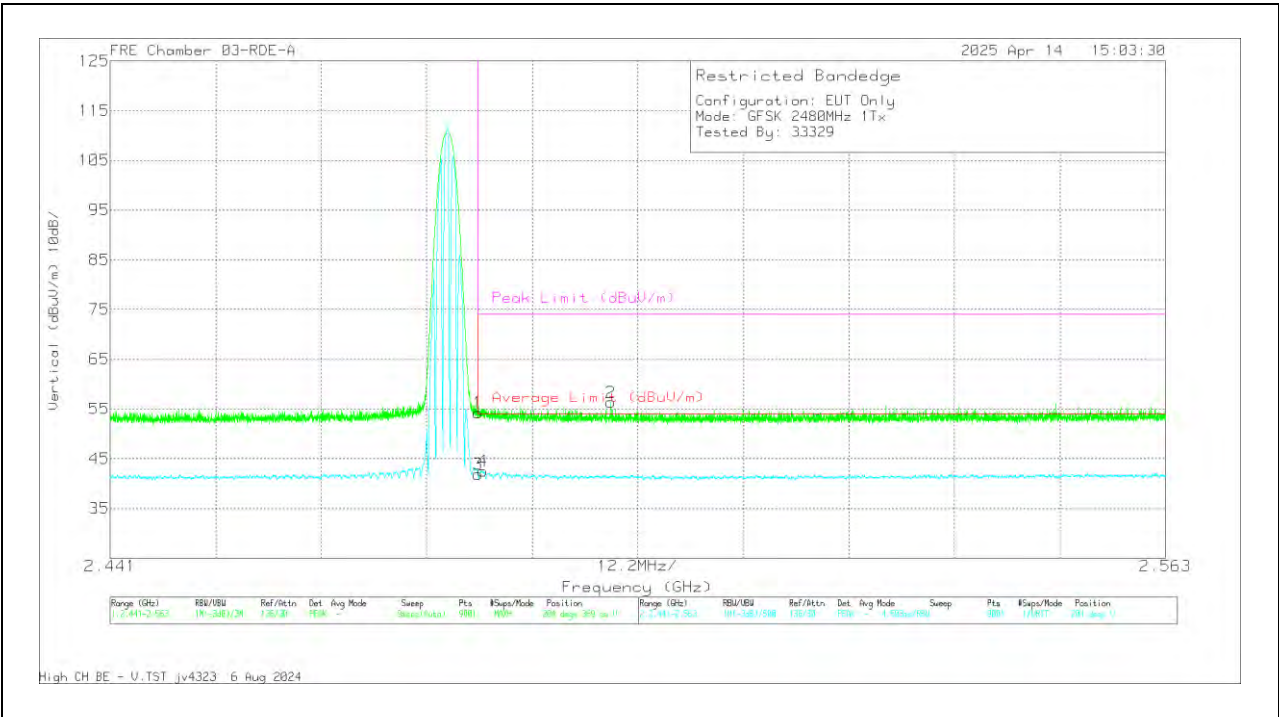
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.12	Pk	32.2	-39.95	55.37	-	-	74	-18.63	167	161	H
2	* 2.484189	64.66	Pk	32.2	-39.9	56.96	-	-	74	-17.04	167	161	H
3	* 2.4835	49.63	VA1T	32.2	-39.95	41.88	54	-12.12	-	-	167	161	H
4	* 2.48362	50.22	VA1T	32.2	-39.94	42.48	54	-11.52	-	-	167	161	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

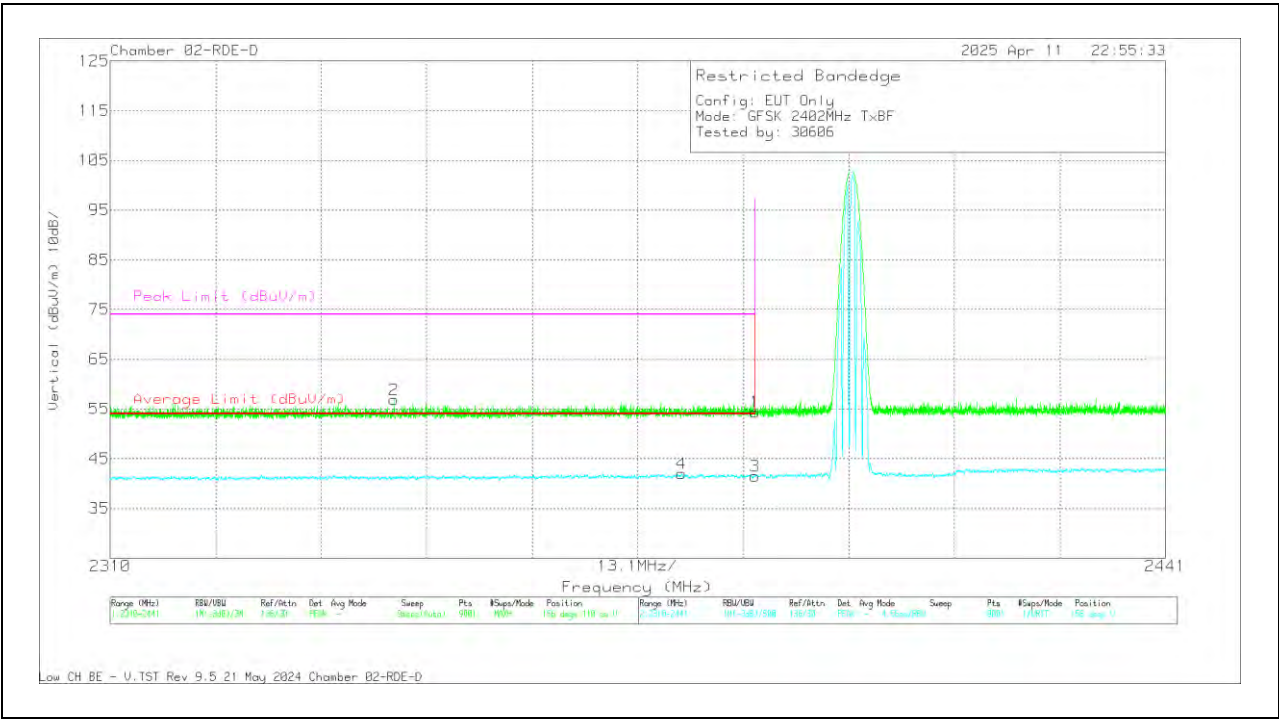
VERTICAL RESULT



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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.96	Pk	32.2	-39.95	54.21	-	-	74	-19.79	204	369	V
2	* 2.498898	64.01	Pk	32.2	-39.89	56.32	-	-	74	-17.68	204	369	V
3	* 2.4835	48.44	VA1T	32.2	-39.95	40.69	54	-13.31	-	-	204	369	V
4	* 2.484095	49.05	VA1T	32.2	-39.9	41.35	54	-12.65	-	-	204	369	V

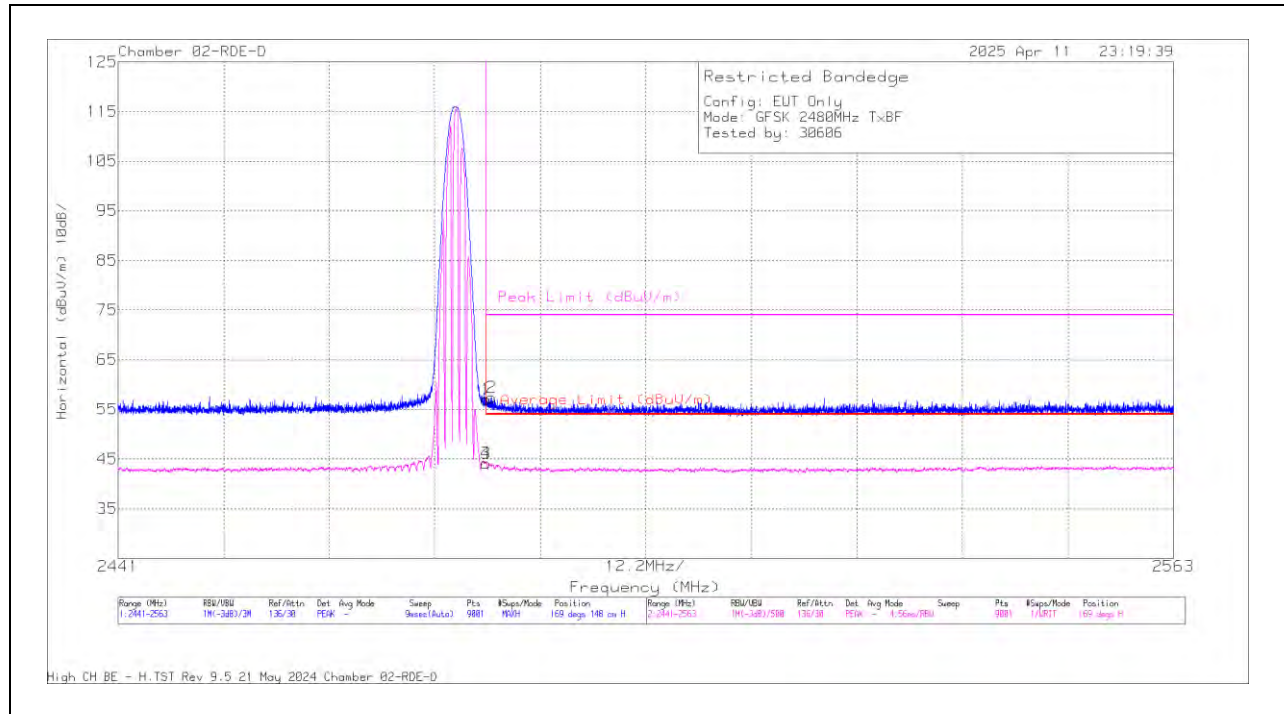
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	226674 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	60.8	Pk	32.2	-38.6	54.4	-	-	74	-19.6	156	110	V
2	* 2345.24	63.43	Pk	32	-38.6	56.83	-	-	74	-17.17	156	110	V
3	* 2390	47.85	VA1T	32.2	-38.6	41.45	54	-12.55	-	-	156	110	V
4	* 2380.946	48.25	VA1T	32.2	-38.5	41.95	54	-12.05	-	-	156	110	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

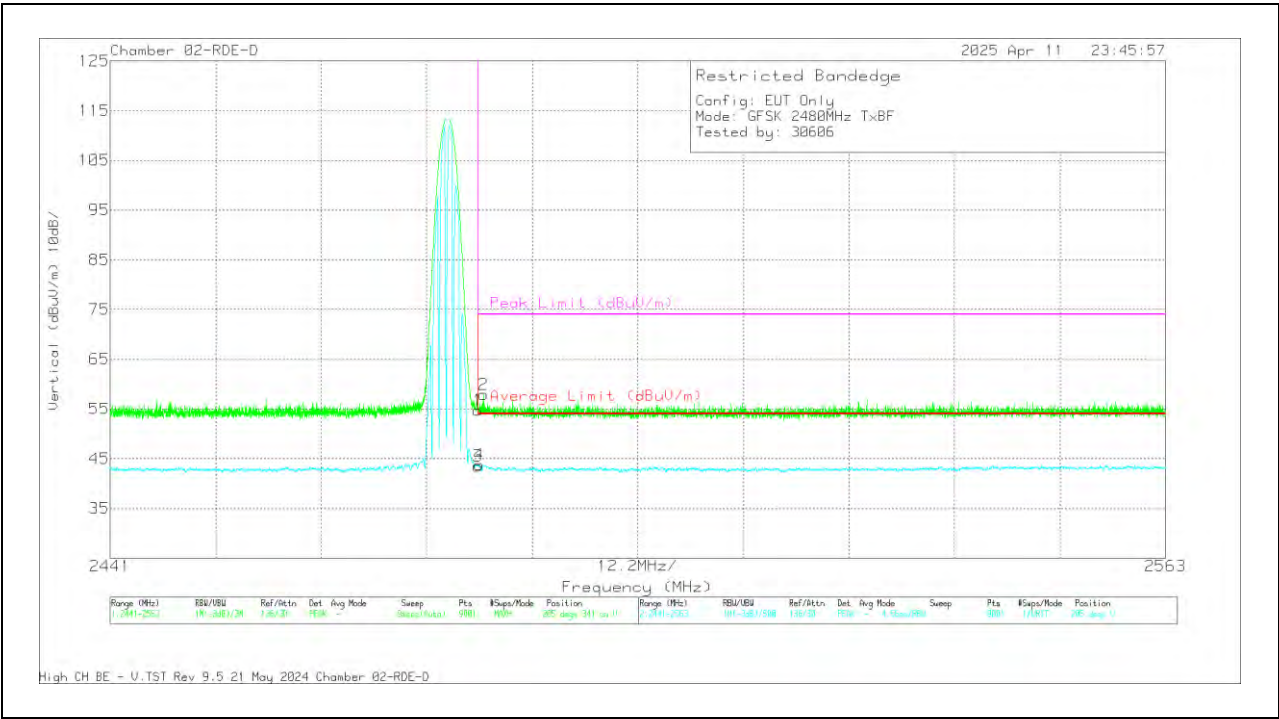
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	226674 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	63.14	PK	32.2	-38.3	57.04	-	-	74	-16.96	169	148	H
2	* 2484.135	63.45	PK	32.2	-38.3	57.35	-	-	74	-16.65	169	148	H
3	* 2483.5	50.3	VA1T	32.2	-38.3	44.2	54	-9.8	-	-	169	148	H
4	* 2483.512	50.27	VA1T	32.2	-38.3	44.17	54	-9.83	-	-	169	148	H

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

PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	226674 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	60.86	Pk	32.2	-38.3	54.76	-	-	74	-19.24	205	341	V
2	* 2484.135	64.02	Pk	32.2	-38.3	57.92	-	-	74	-16.08	205	341	V
3	* 2483.5	49.65	VA1T	32.2	-38.3	43.55	54	-10.45	-	-	205	341	V
4	* 2483.634	49.91	VA1T	32.2	-38.3	43.81	54	-10.19	-	-	205	341	V

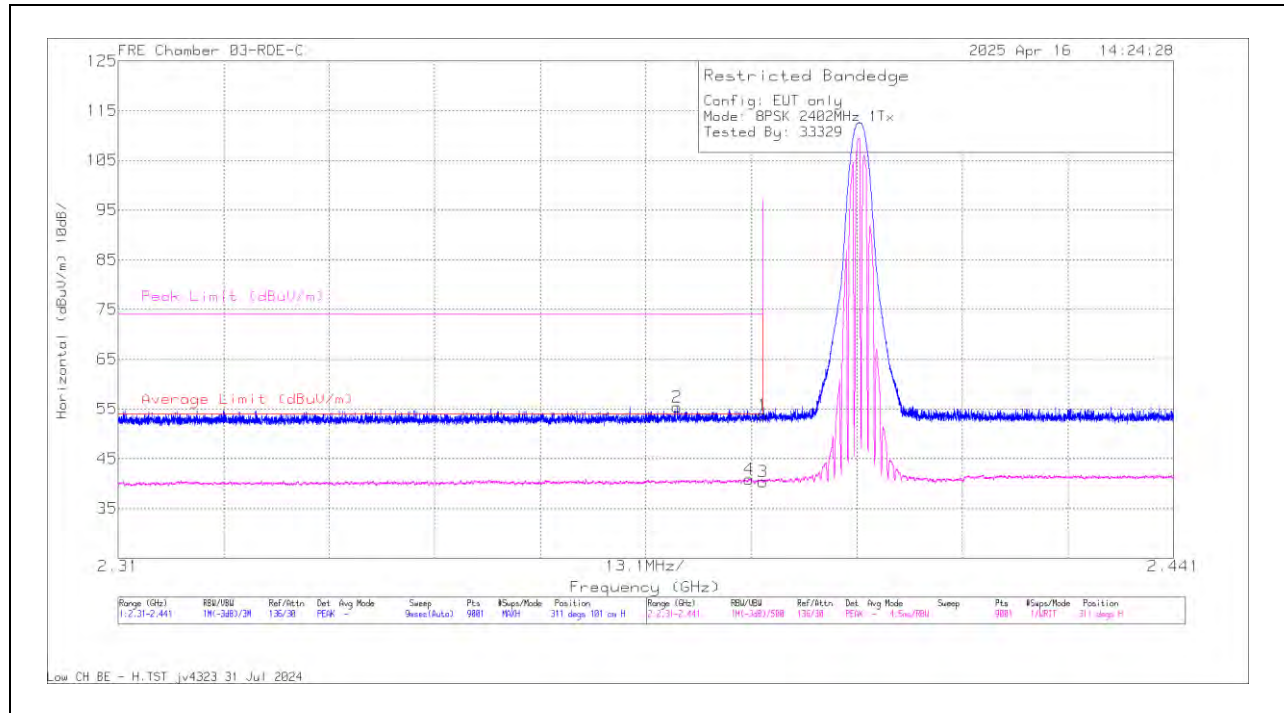
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.3. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



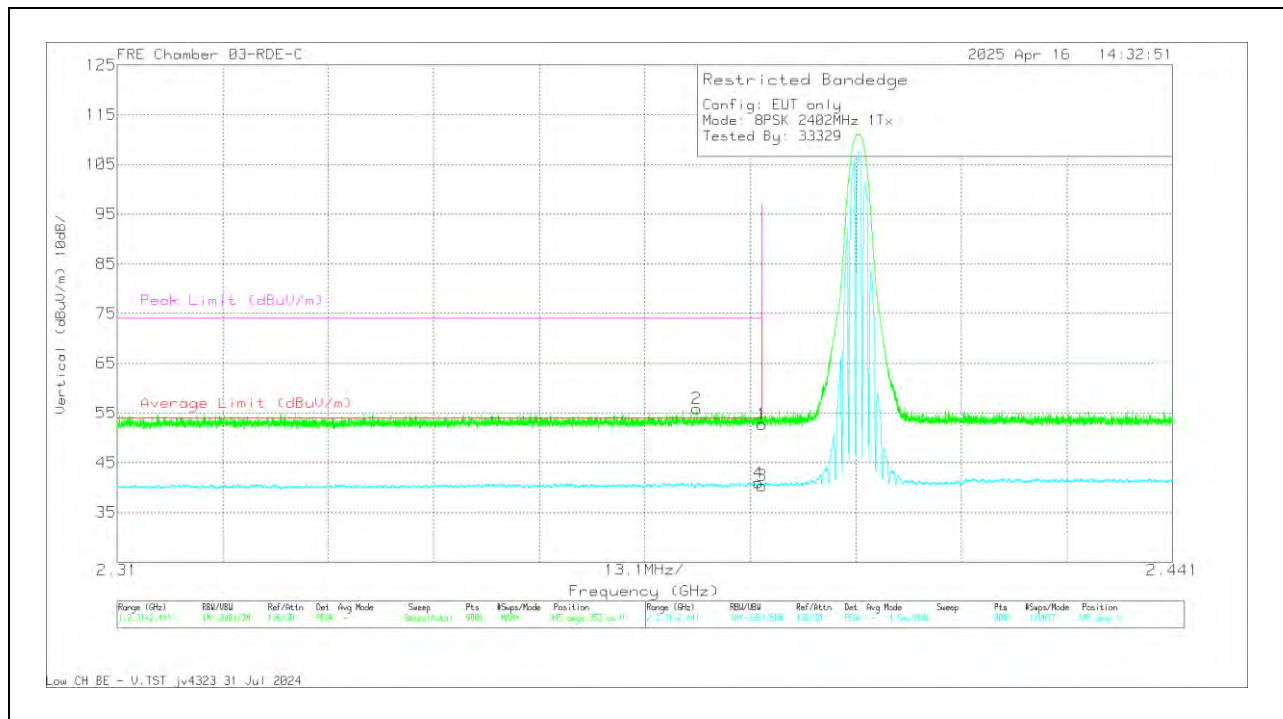
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.12	PK	32.1	-39.5	53.72	-	-	74	-20.28	311	101	H
2	* 2.379403	62.75	PK	32.1	-39.5	55.35	-	-	74	-18.65	311	101	H
3	* 2.39	47.78	VA1T	32.1	-39.5	40.38	54	-13.62	-	-	311	101	H
4	* 2.388355	48.3	VA1T	32.1	-39.5	40.9	54	-13.1	-	-	311	101	H

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

PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT

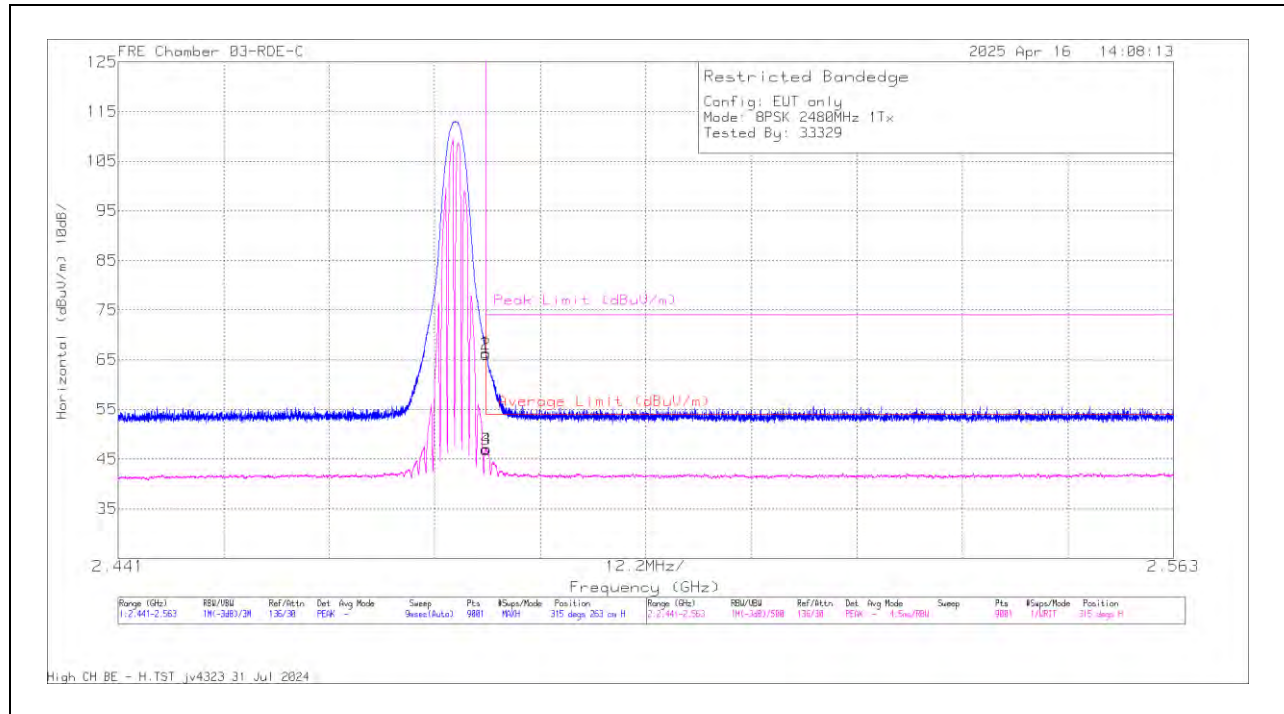


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.11	Pk	32.1	-39.5	52.71	-	-	74	-21.29	345	352	V
2	* 2.381936	63.24	Pk	32.1	-39.5	55.84	-	-	74	-18.16	345	352	V
3	* 2.39	47.78	VA1T	32.1	-39.5	40.38	54	-13.62	-	-	345	352	V
4	* 2.389607	48.34	VA1T	32.1	-39.5	40.94	54	-13.06	-	-	345	352	V

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

PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

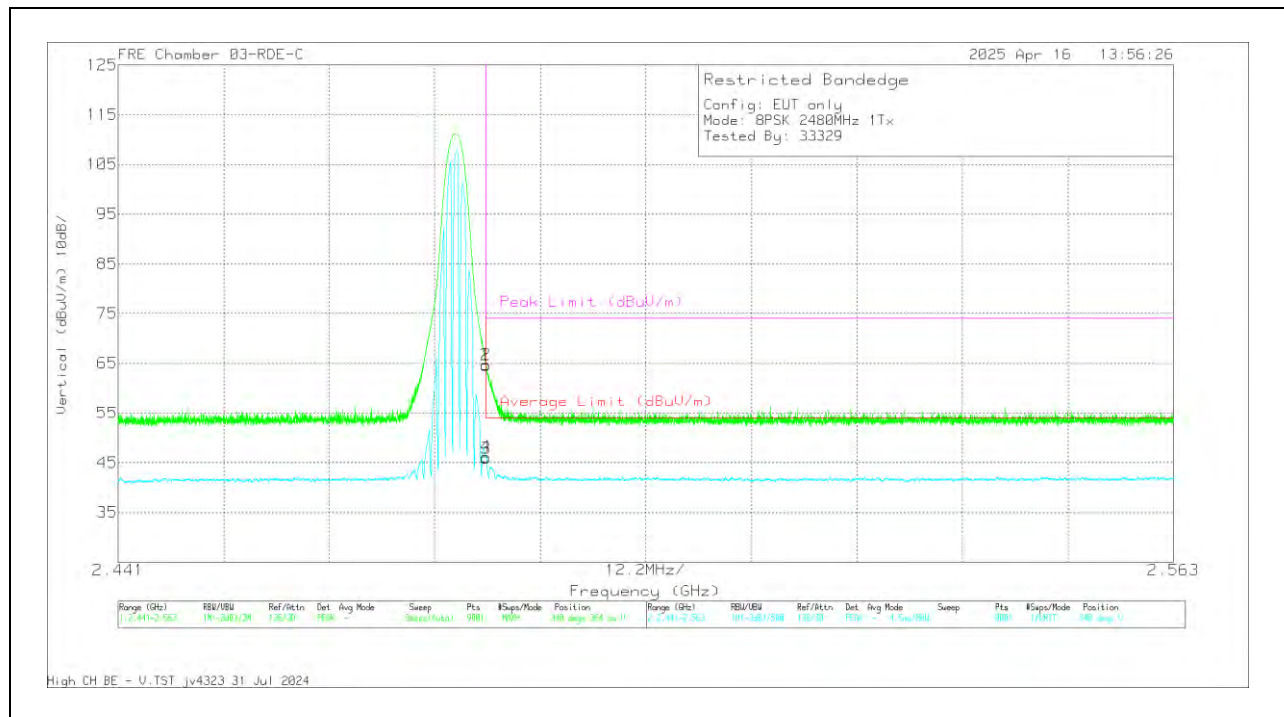
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	73.51	Pk	32.3	-39.4	66.41	-	-	74	-7.59	315	263	H
2	* 2.483512	73.19	Pk	32.3	-39.4	66.09	-	-	74	-7.91	315	263	H
3	* 2.4835	54.04	VA1T	32.3	-39.4	46.94	54	-7.06	-	-	315	263	H
4	* 2.483552	54.1	VA1T	32.3	-39.4	47	54	-7	-	-	315	263	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT

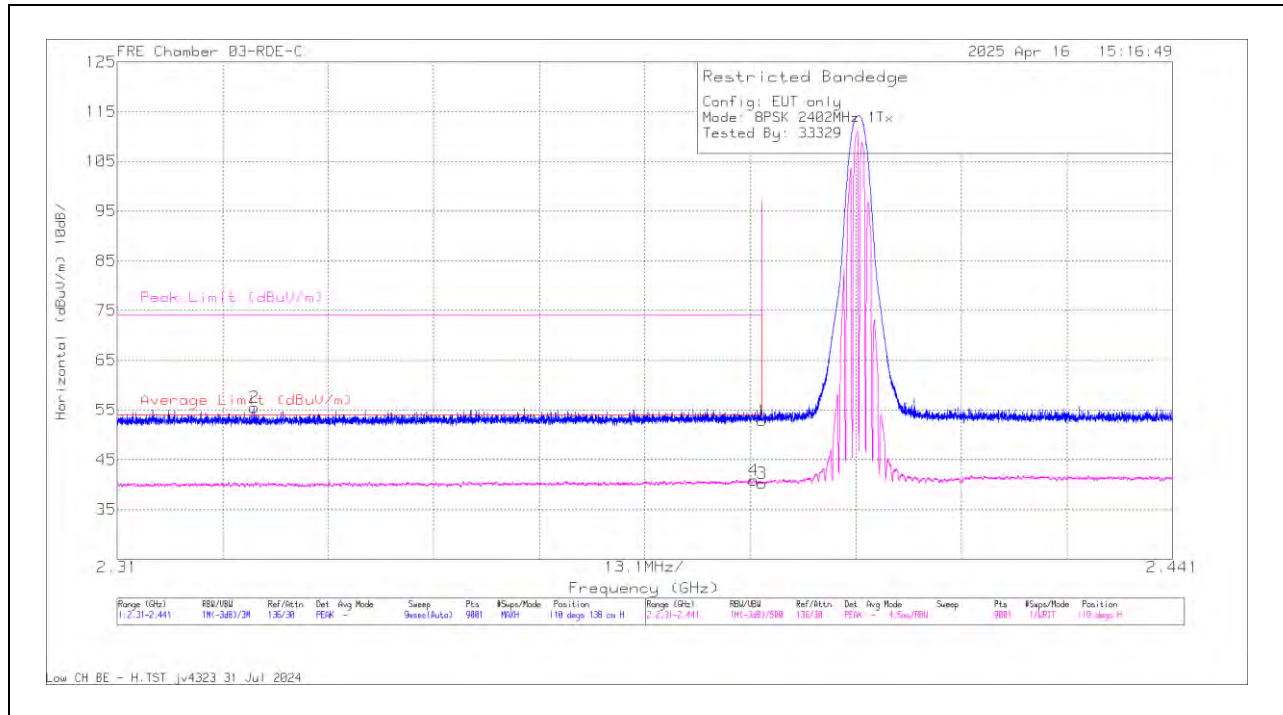


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	71.68	Pk	32.3	-39.4	64.58	-	-	74	-9.42	340	364	V
2	* 2.483512	71.86	Pk	32.3	-39.4	64.76	-	-	74	-9.24	340	364	V
3	* 2.4835	53.02	VA1T	32.3	-39.4	45.92	54	-8.08	-	-	340	364	V
4	* 2.483525	53.23	VA1T	32.3	-39.4	46.13	54	-7.87	-	-	340	364	V

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

PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

ANT 1**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

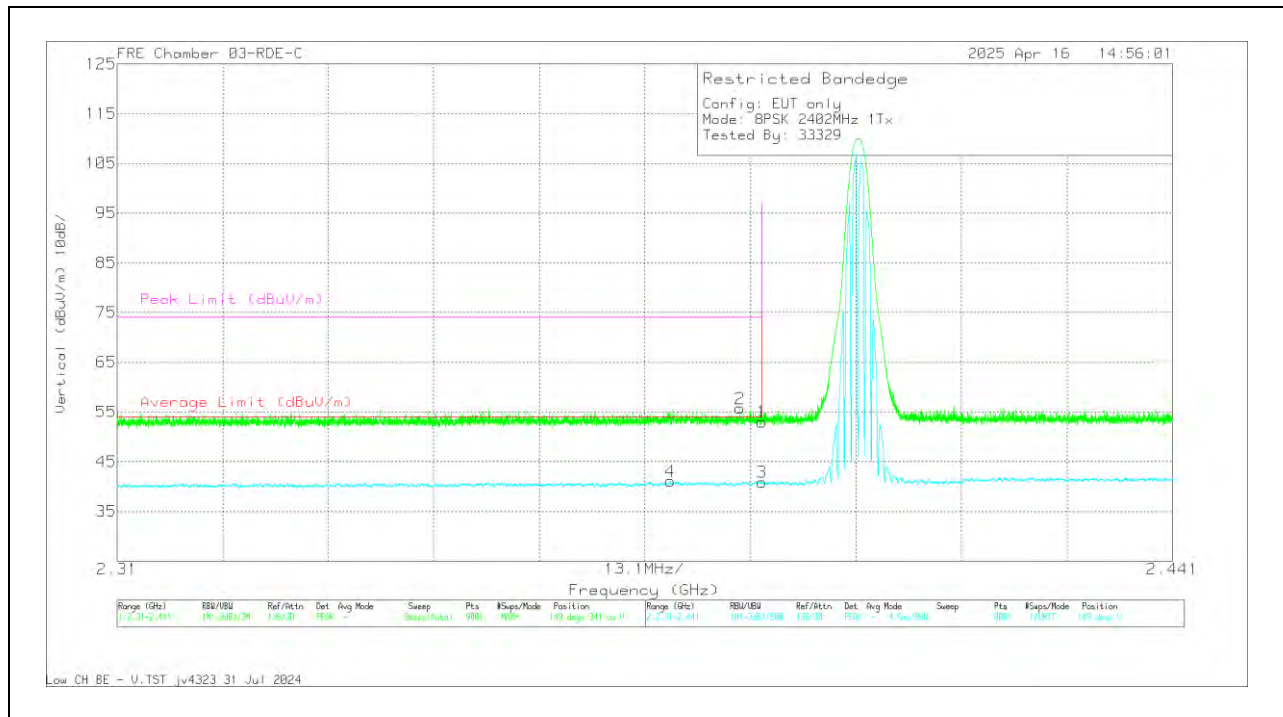
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.18	Pk	32.1	-39.5	52.78	-	-	74	-21.22	110	138	H
2	* 2.326987	63.33	Pk	31.8	-39.6	55.53	-	-	74	-18.47	110	138	H
3	* 2.39	47.59	VA1T	32.1	-39.5	40.19	54	-13.81	-	-	110	138	H
4	* 2.38901	48.3	VA1T	32.1	-39.5	40.9	54	-13.1	-	-	110	138	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT

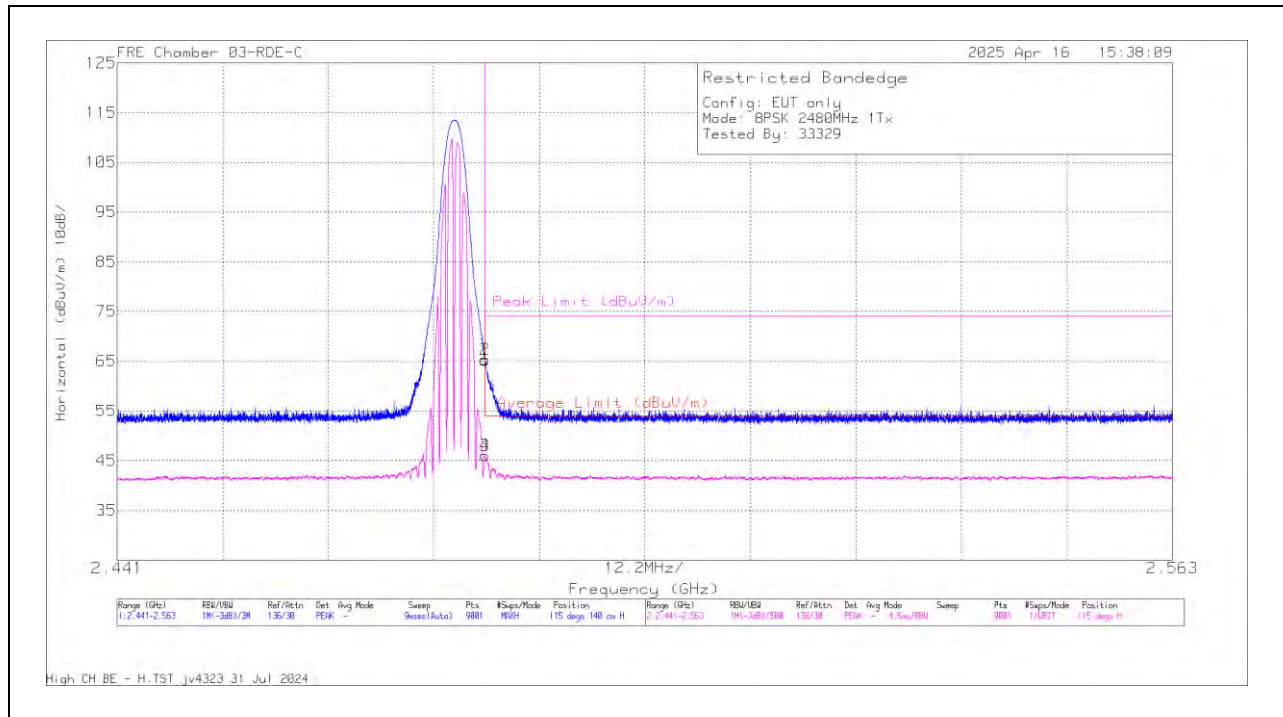


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.39	Pk	32.1	-39.5	52.99	-	-	74	-21.01	149	341	V
2	* 2.387321	63.09	Pk	32.1	-39.5	55.69	-	-	74	-18.31	149	341	V
3	* 2.39	48.32	VA1T	32.1	-39.5	40.92	54	-13.08	-	-	149	341	V
4	* 2.378661	48.46	VA1T	32.1	-39.5	41.06	54	-12.94	-	-	149	341	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

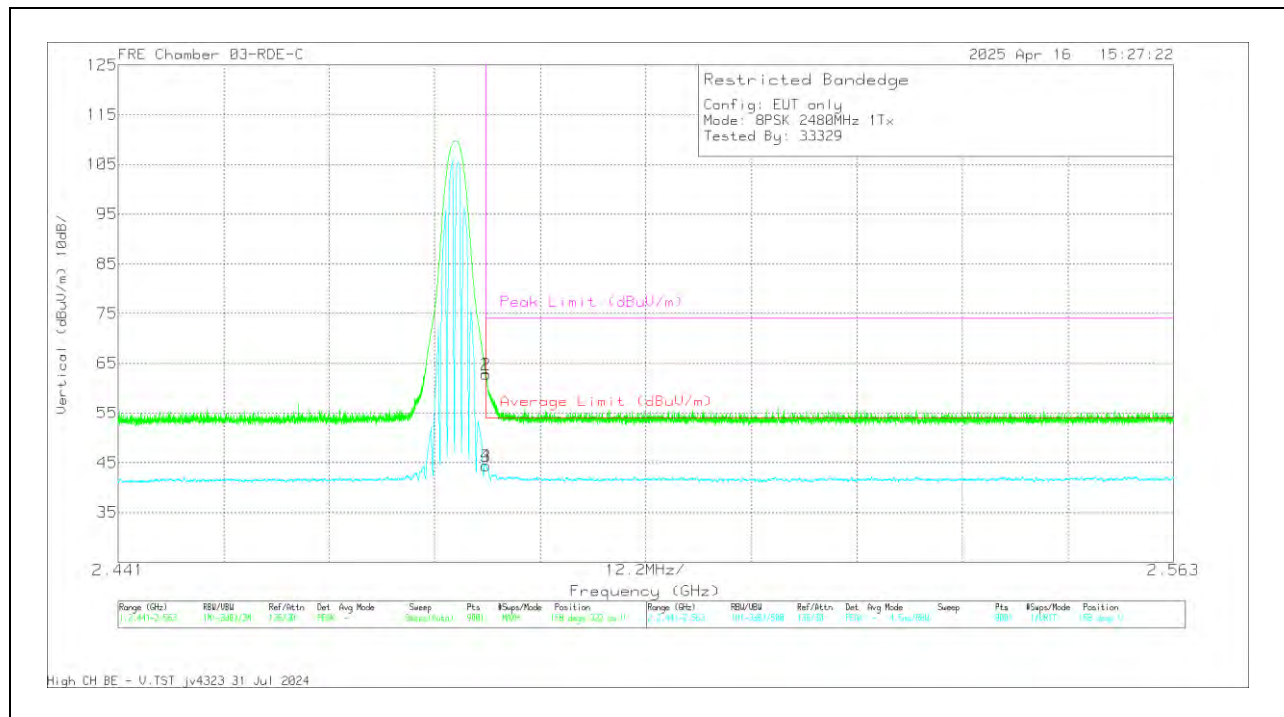
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	72.33	Pk	32.3	-39.4	65.23	-	-	74	-8.77	115	140	H
2	* 2.483512	72.46	Pk	32.3	-39.4	65.36	-	-	74	-8.64	115	140	H
3	* 2.4835	53.11	VA1T	32.3	-39.4	46.01	54	-7.99	-	-	115	140	H
4	* 2.483512	53.11	VA1T	32.3	-39.4	46.01	54	-7.99	-	-	115	140	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	69.87	Pk	32.3	-39.4	62.77	-	-	74	-11.23	158	322	V
2	* 2.483539	69.85	Pk	32.3	-39.4	62.75	-	-	74	-11.25	158	322	V
3	* 2.4835	51.44	VA1T	32.3	-39.4	44.34	54	-9.66	-	-	158	322	V
4	* 2.483525	51.49	VA1T	32.3	-39.4	44.39	54	-9.61	-	-	158	322	V

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

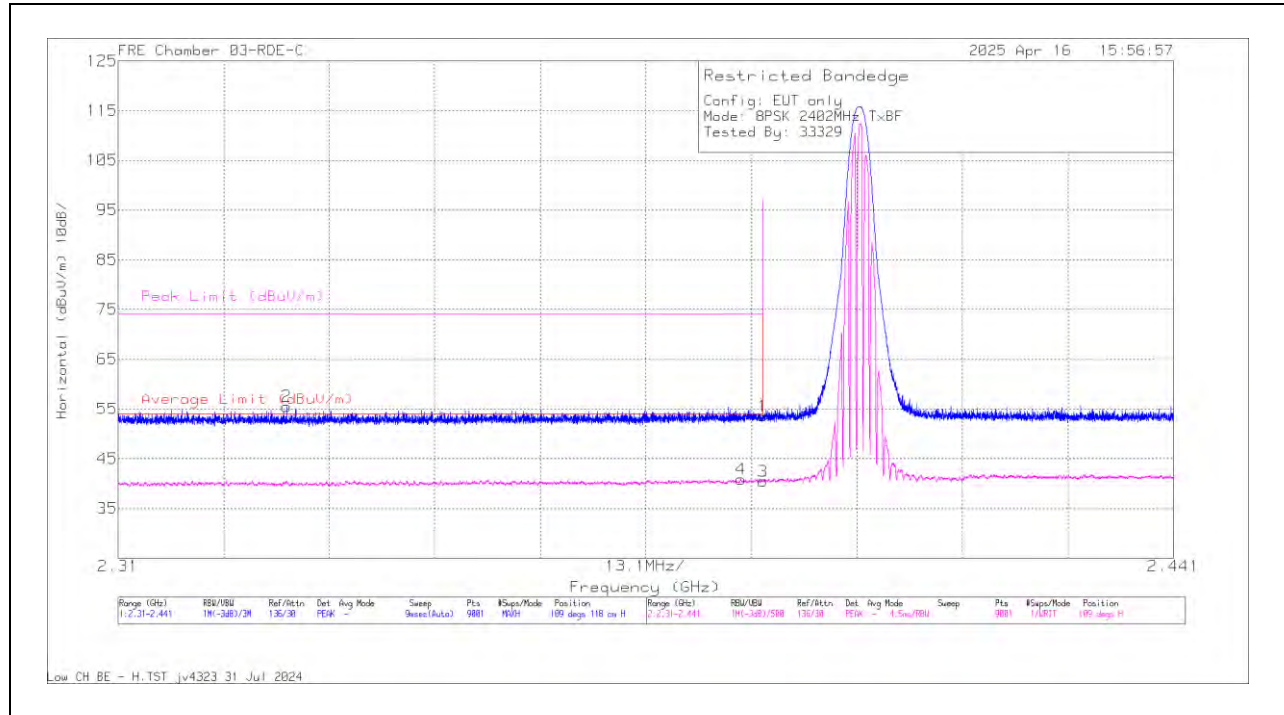
PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.4. HIGH POWER ENHANCED DATA RATE TXBF 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



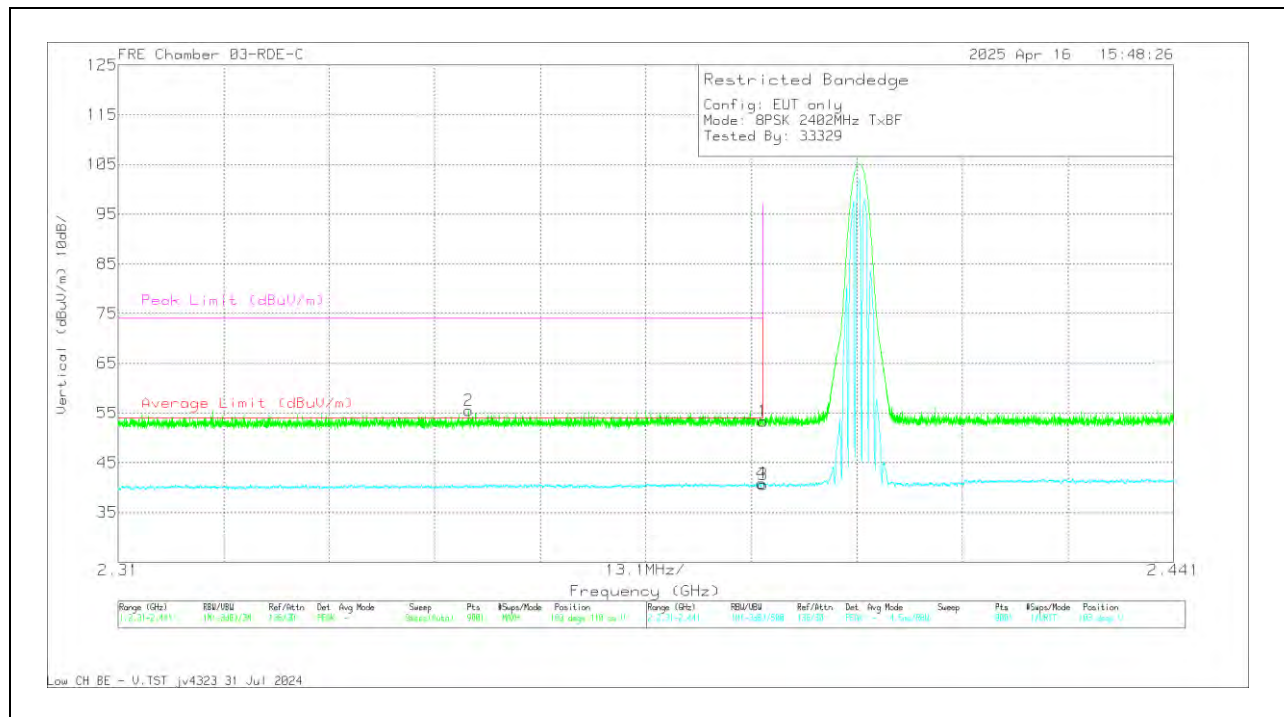
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.94	Pk	32.1	-39.5	53.54	-	-	74	-20.46	109	118	H
2	* 2.330932	63.26	Pk	31.8	-39.6	55.46	-	-	74	-18.54	109	118	H
3	* 2.39	47.83	VA1T	32.1	-39.5	40.43	54	-13.57	-	-	109	118	H
4	* 2.387278	48.29	VA1T	32.1	-39.5	40.89	54	-13.11	-	-	109	118	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT

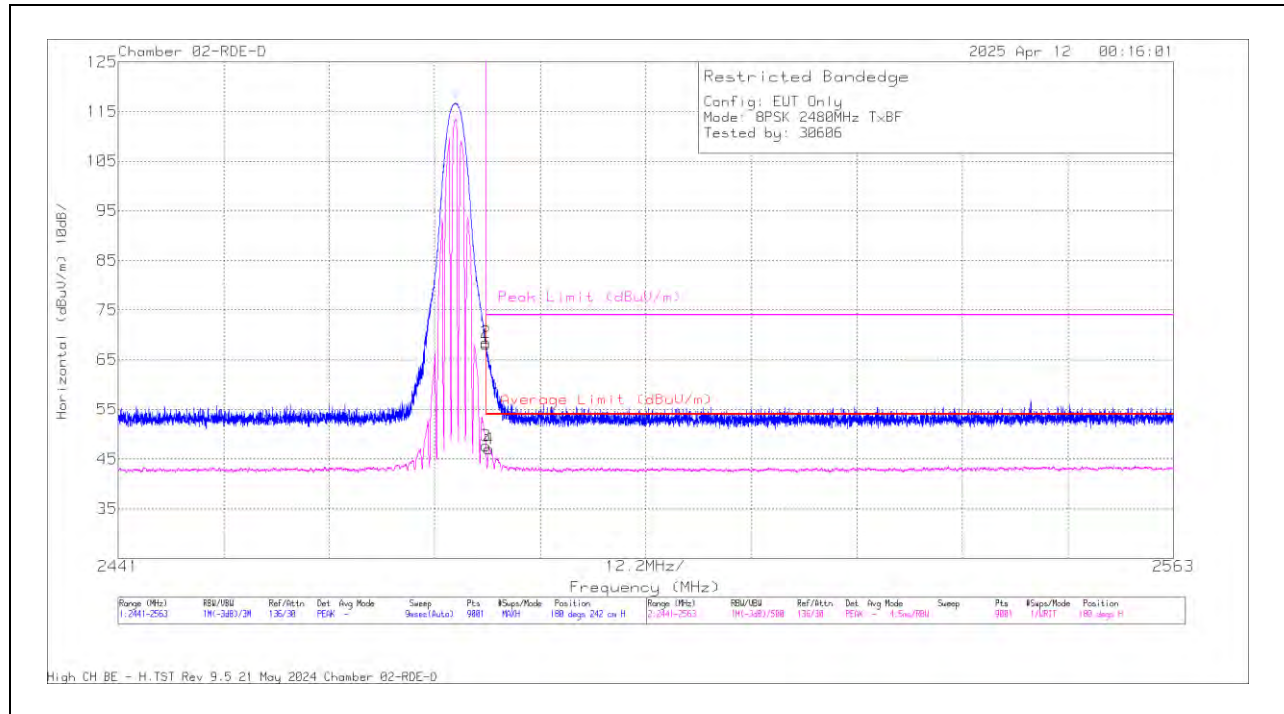


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.78	Pk	32.1	-39.5	53.38	-	-	74	-20.62	103	110	V
2	* 2.353508	63.1	Pk	32	-39.6	55.5	-	-	74	-18.5	103	110	V
3	* 2.39	48.02	VA1T	32.1	-39.5	40.62	54	-13.38	-	-	103	110	V
4	* 2.389898	48.32	VA1T	32.1	-39.5	40.92	54	-13.08	-	-	103	110	V

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

PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

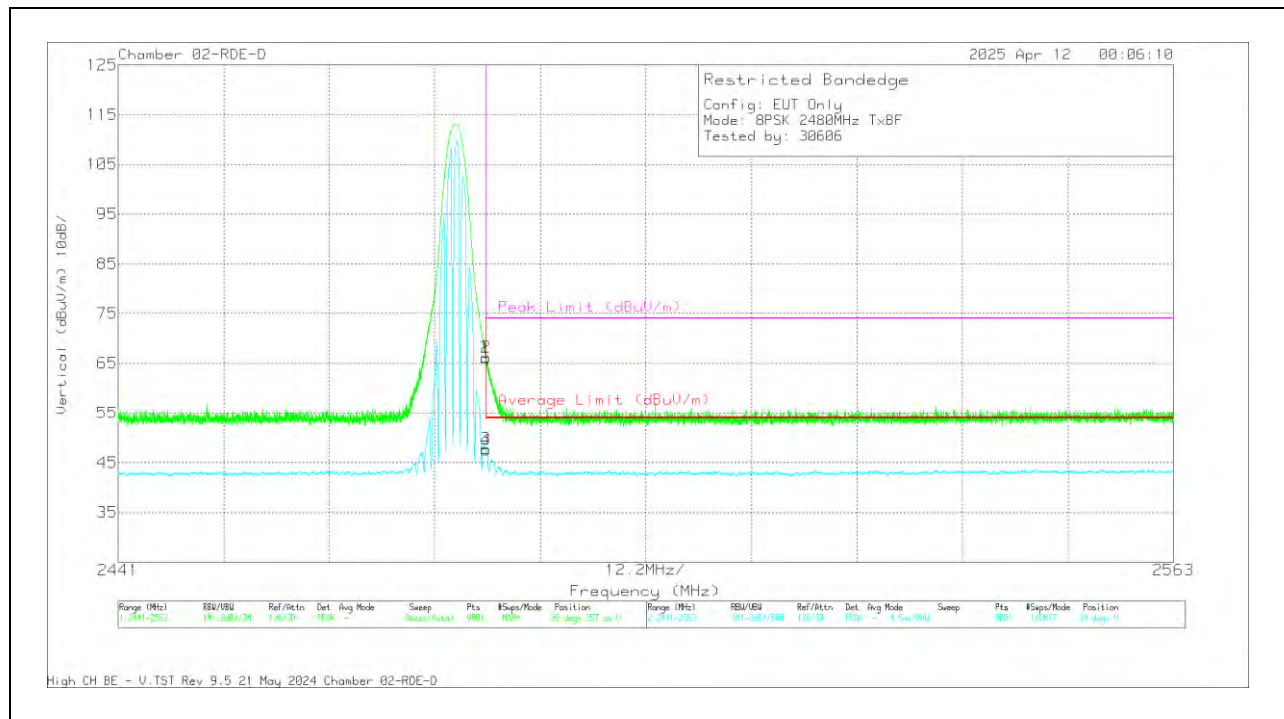
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	226674 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	74.15	PK	32.2	-38.3	68.05	-	-	74	-5.95	180	242	H
2	* 2483.512	74.59	PK	32.2	-38.3	68.49	-	-	74	-5.51	180	242	H
3	* 2483.5	53.8	VA1T	32.2	-38.3	47.7	54	-6.3	-	-	180	242	H
4	* 2483.891	53.19	VA1T	32.2	-38.3	47.09	54	-6.91	-	-	180	242	H

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

PK - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	226674 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	72.04	Pk	32.2	-38.3	65.94	-	-	74	-8.06	39	357	V
2	* 2483.525	72.36	Pk	32.2	-38.3	66.26	-	-	74	-7.74	39	357	V
3	* 2483.5	53.94	VA1T	32.2	-38.3	47.84	54	-6.16	-	-	39	357	V
4	* 2483.512	53.68	VA1T	32.2	-38.3	47.58	54	-6.42	-	-	39	357	V

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

Pk - Peak detector

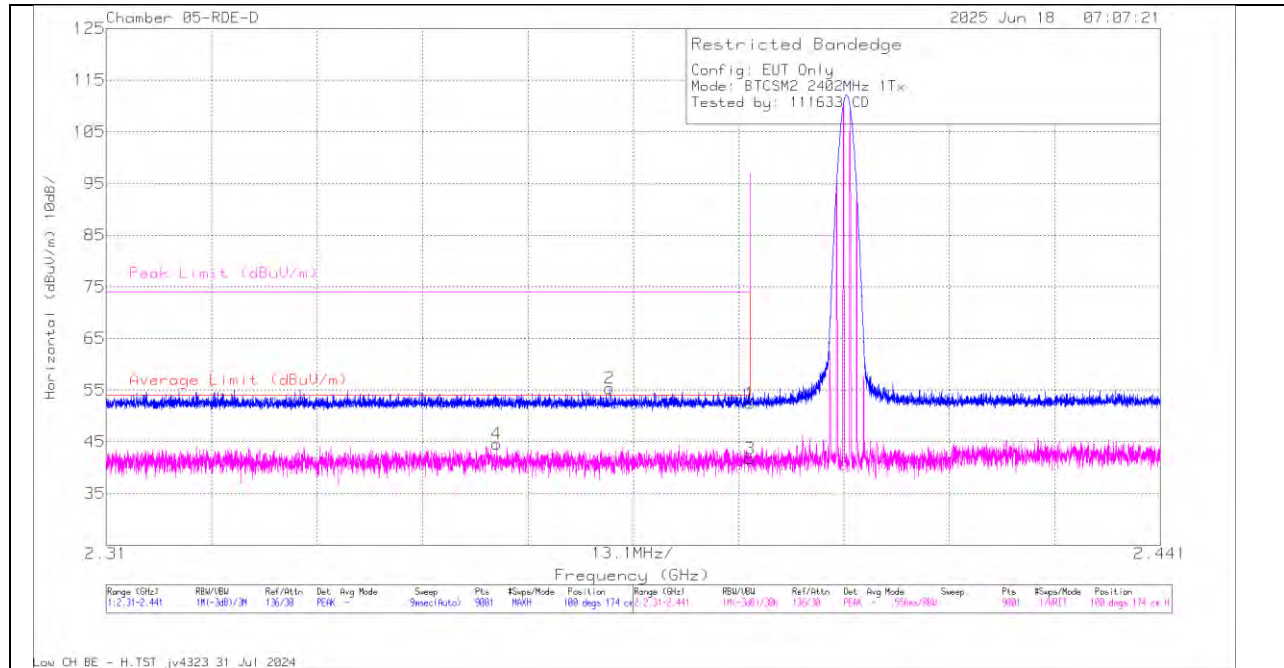
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.5. HIGH POWER ENHANCED DATA RATE BTCSM2 MODULATION

ANT 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

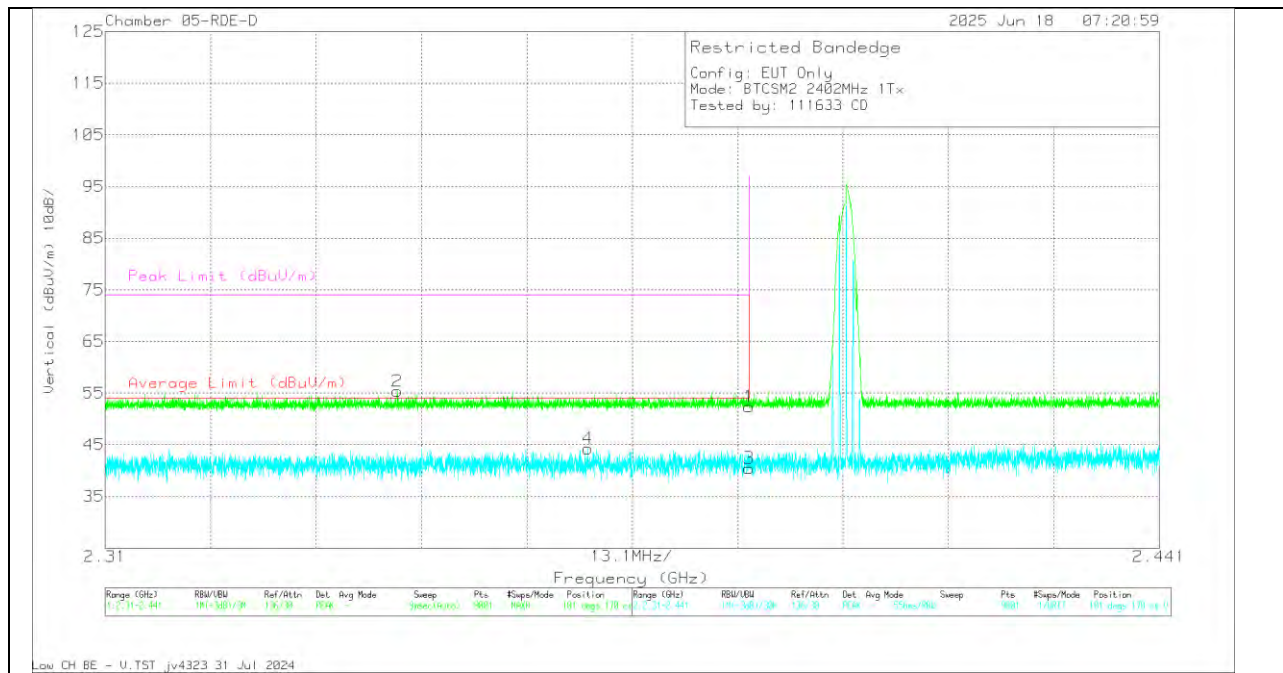
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.358501	53.3	VA1T	32.2	-40.93	44.57	54	-9.43	-	-	100	174	H
2	*2.372562	64	Pk	32.2	-40.87	55.33	-	-	74	-18.67	100	174	H
1	*2.39	61.02	Pk	32.3	-40.88	52.44	-	-	74	-21.56	100	174	H
3	*2.39	50.33	VA1T	32.3	-40.88	41.75	54	-12.25	-	-	100	174	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



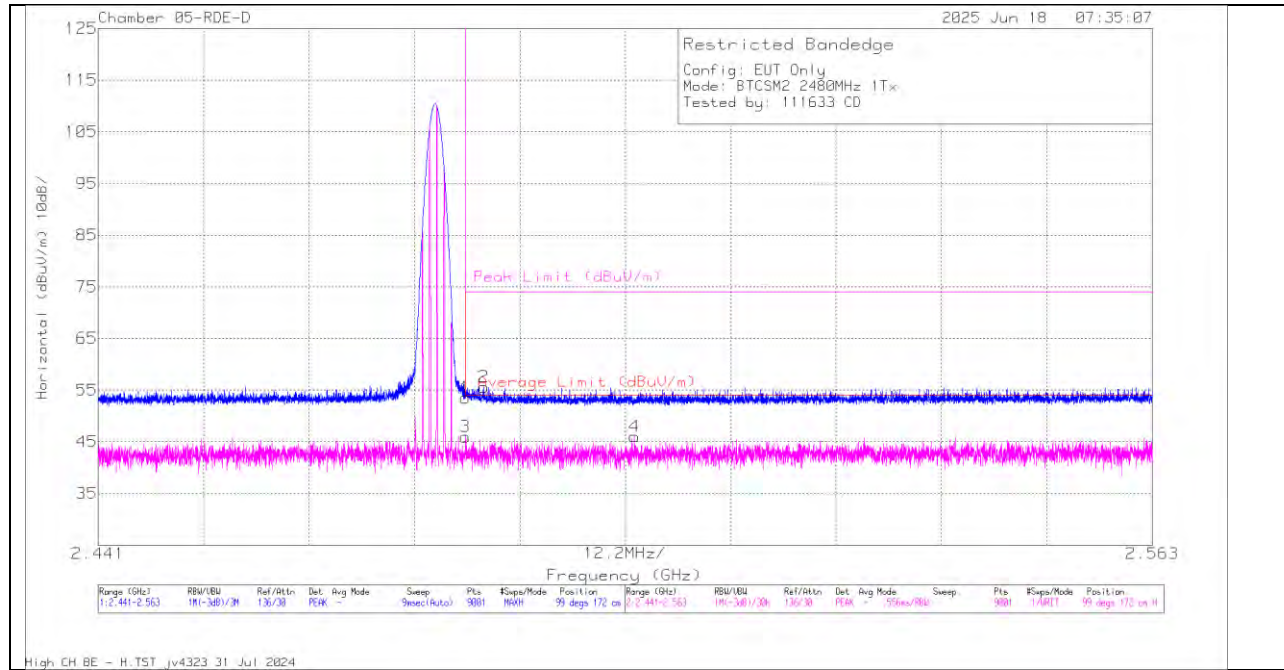
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.346303	64.16	Pk	32.2	-40.99	55.37	-	-	74	-18.63	101	170	V
4	*2.369985	52.97	VA1T	32.2	-40.9	44.27	54	-9.73	-	-	101	170	V
1	*2.39	60.96	Pk	32.3	-40.88	52.38	-	-	74	-21.62	101	170	V
3	*2.39	49.01	VA1T	32.3	-40.88	40.43	54	-13.57	-	-	101	170	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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

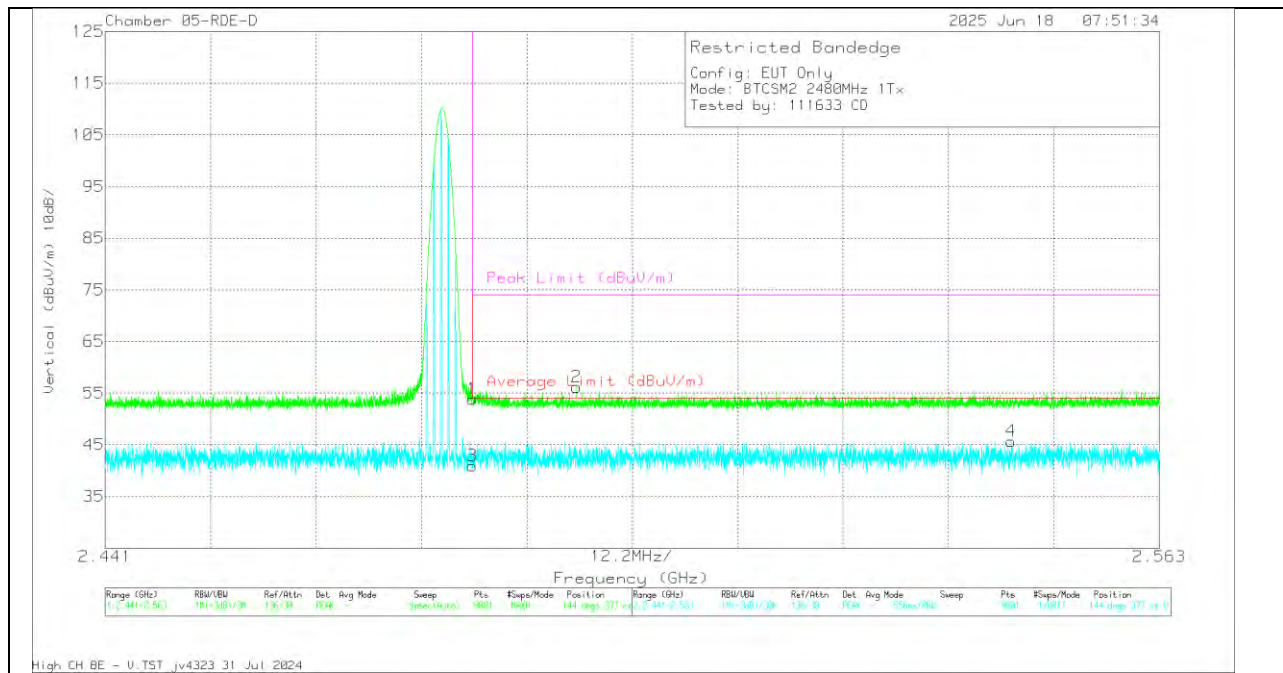
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.82	Pk	32.4	-40.71	53.51	-	-	74	-20.49	99	172	H
3	*2.4835	54.29	VA1T	32.4	-40.71	45.98	54	-8.02	-	-	99	172	H
2	*2.485626	63.84	Pk	32.4	-40.66	55.58	-	-	74	-18.42	99	172	H
4	*2.503073	54.22	VA1T	32.4	-40.63	45.99	54	-8.01	-	-	99	172	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



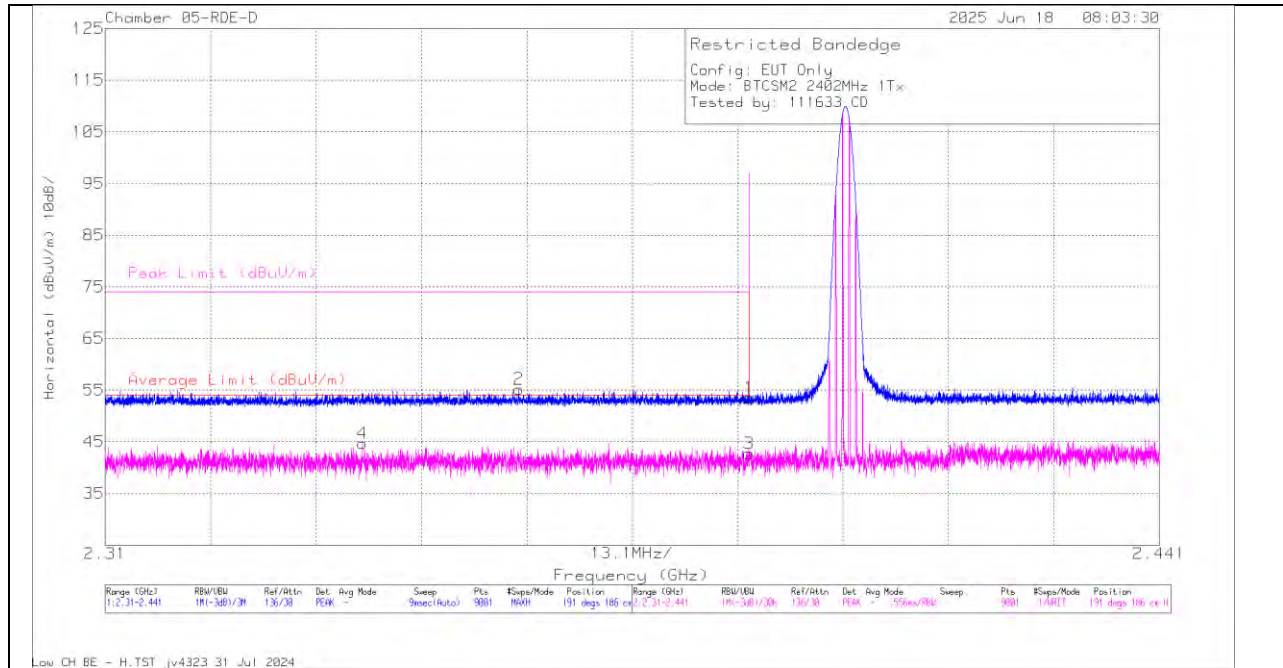
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	62.18	Pk	32.4	-40.71	53.87	-	-	74	-20.13	144	377	V
3	*2.4835	49.24	VA1T	32.4	-40.71	40.93	54	-13.07	-	-	144	377	V
2	*2.495536	64.47	Pk	32.4	-40.67	56.2	-	-	74	-17.8	144	377	V
4	*2.545869	53.71	VA1T	32.5	-40.51	45.7	54	-8.3	-	-	144	377	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

ANT 1**BANEDGE (LOW CHANNEL)****HORIZONTAL RESULT****Trace Markers**

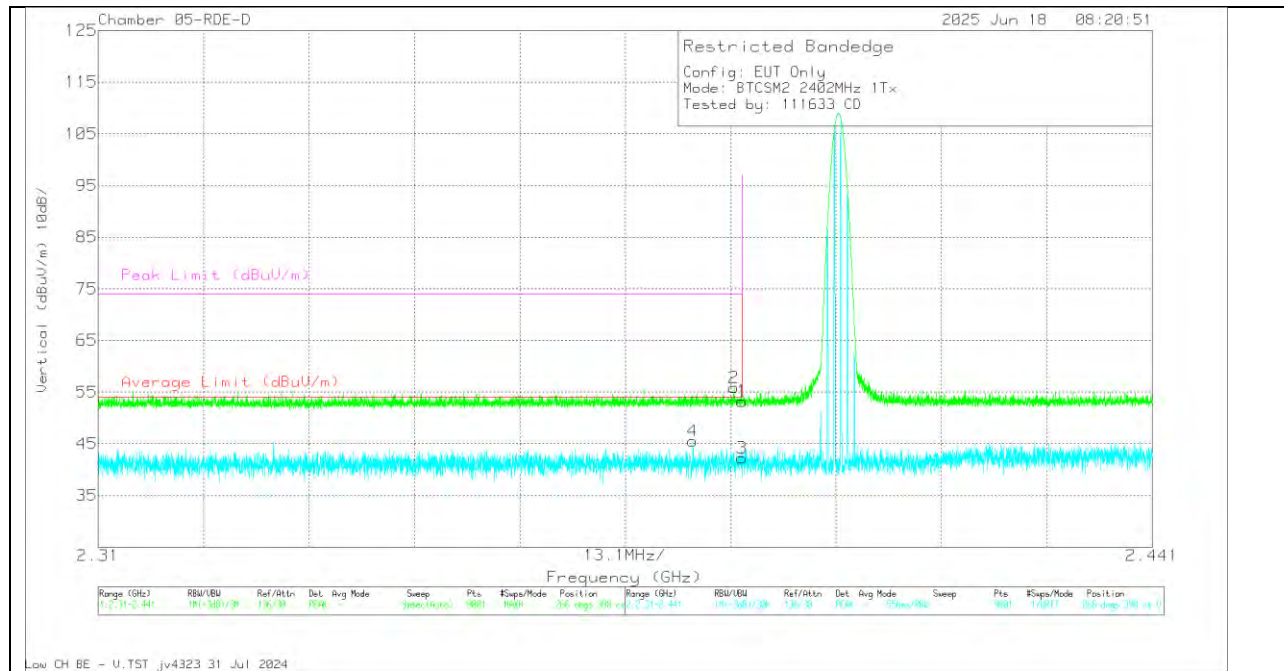
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.341965	53.46	VA1T	32.2	-41	44.66	54	-9.34	-	-	191	186	H
2	*2.361397	63.89	Pk	32.2	-40.91	55.18	-	-	74	-18.82	191	186	H
1	*2.39	62.09	Pk	32.3	-40.88	53.51	-	-	74	-20.49	191	186	H
3	*2.39	51.26	VA1T	32.3	-40.88	42.68	54	-11.32	-	-	191	186	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.383901	54.12	VA1T	32.3	-40.9	45.52	54	-8.48	-	-	266	398	V
2	*2.388995	64.46	Pk	32.3	-40.9	55.86	-	-	74	-18.14	266	398	V
1	*2.39	61.82	Pk	32.3	-40.88	53.24	-	-	74	-20.76	266	398	V
3	*2.39	50.82	VA1T	32.3	-40.88	42.24	54	-11.76	-	-	266	398	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

Chamber 05-RDE-D

2025 Jun 18 08:49:31

Restricted Bandedge

Config: EUT Only
 Mode: BTCSM2 2480MHz 1Tx
 Tested by: 111633 CD

Vertical (dBuV/m) 10dB/

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

12.2MHz/

Frequency (GHz)

Range (GHz) RBW/BBW Ref/Att'n Det Avg Mode Sweep Pts #Samps/Mode Position Range (GHz) RBW/BBW Ref/Att'n Det Avg Mode Sweep Pts #Samps/Mode Position

111.411-15.50 1M 300V/30 110.30 10dB 10dB 1000 100000 3001 Begin 111.411-15.50 1M 300V/30 110.30 10dB 10dB 1000 100000 3001 111.411-15.50

BTCSM2 2480MHz Ant1_ePA_00 15 V Unit 11141.DAT jv4323 31 Jul 2024

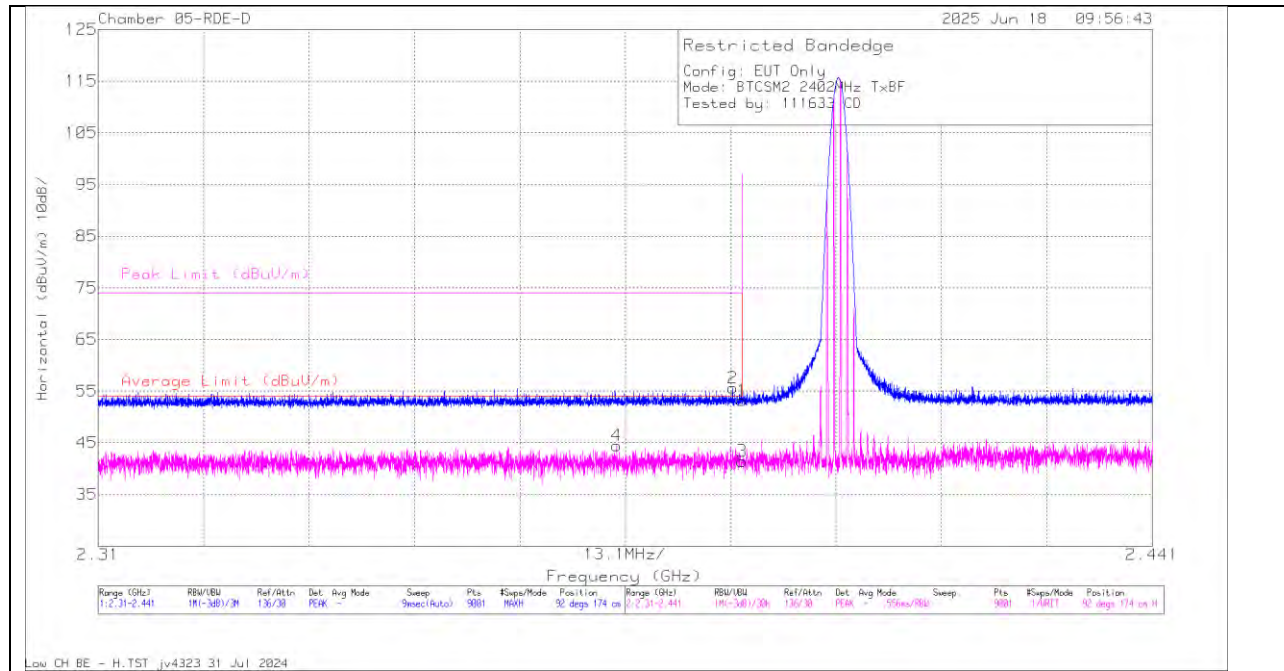
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	63.32	Pk	32.4	-40.71	55.01	-	-	74	-18.99	111	375	V
3	*2.4835	50	VA1T	32.4	-40.71	41.69	54	-12.31	-	-	111	375	V
2	*2.483634	64.78	Pk	32.4	-40.7	56.48	-	-	74	-17.52	111	375	V
4	*2.562977	53.84	VA1T	32.5	-40.46	45.88	54	-8.12	-	-	111	375	V

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

10.1.6. HIGH POWER ENHANCED DATA RATE TXBF BTCSM2 MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

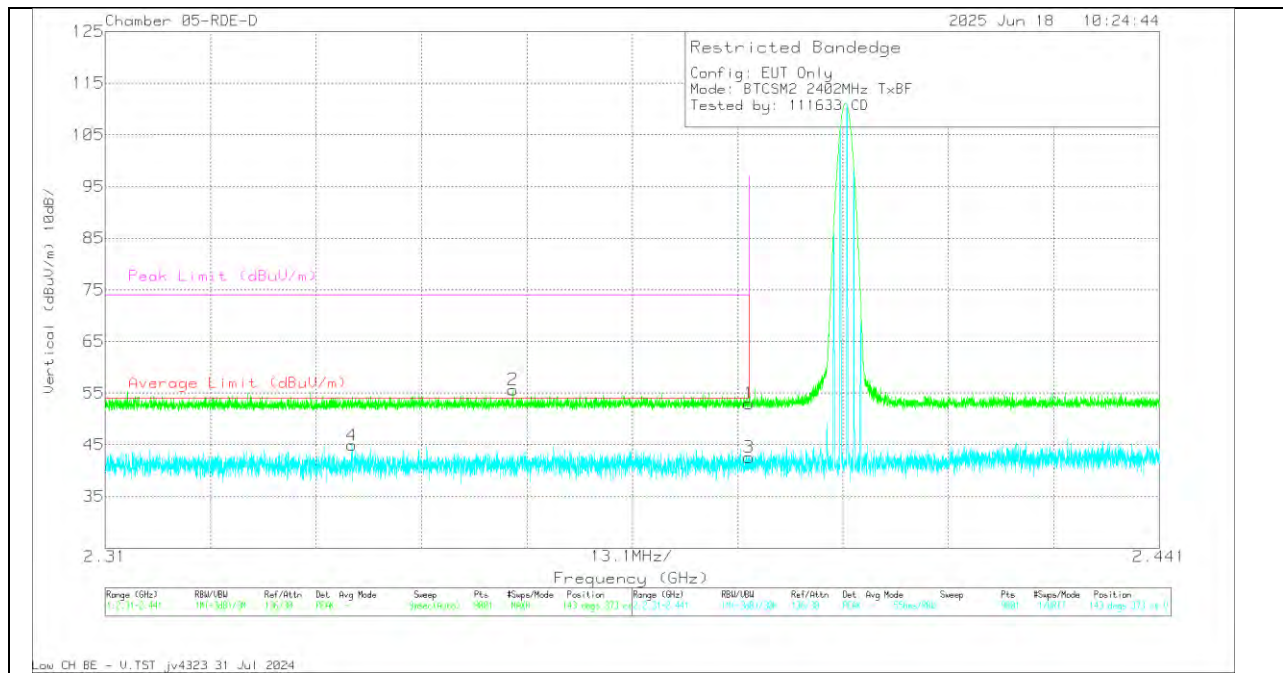
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.374425	53.06	VA1T	32.3	-40.91	44.45	54	-9.55	-	-	92	174	H
2	*2.36885	64.21	PK	32.3	-40.9	55.61	-	-	74	-18.39	92	174	H
1	*2.39	61.76	PK	32.3	-40.88	53.18	-	-	74	-20.82	92	174	H
3	*2.39	49.98	VA1T	32.3	-40.88	41.4	54	-12.6	-	-	92	174	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



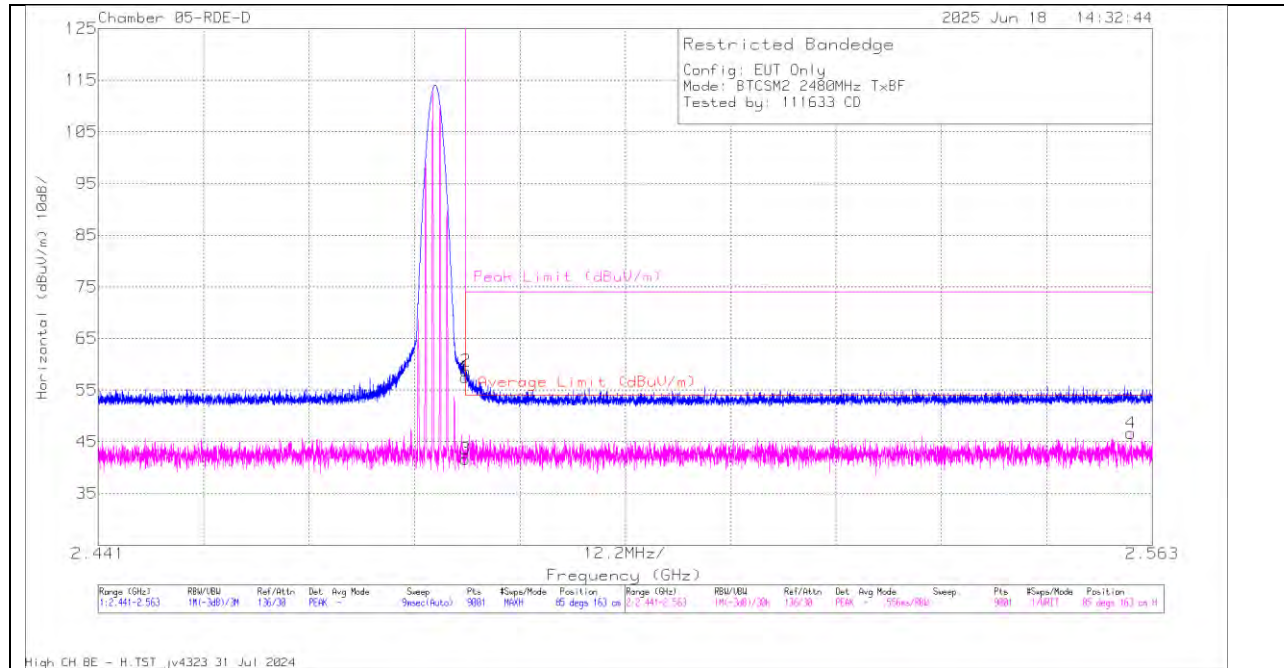
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*2.340669	53.69	VA1T	32.2	-40.98	44.91	54	-9.09	-	-	143	373	V
2	*2.360669	64.37	Pk	32.2	-40.92	55.65	-	-	74	-18.35	143	373	V
1	*2.39	61.59	Pk	32.3	-40.88	53.01	-	-	74	-20.99	143	373	V
3	*2.39	51.15	VA1T	32.3	-40.88	42.57	54	-11.43	-	-	143	373	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $VB=1/Ton$ where: Ton is transmit duration

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

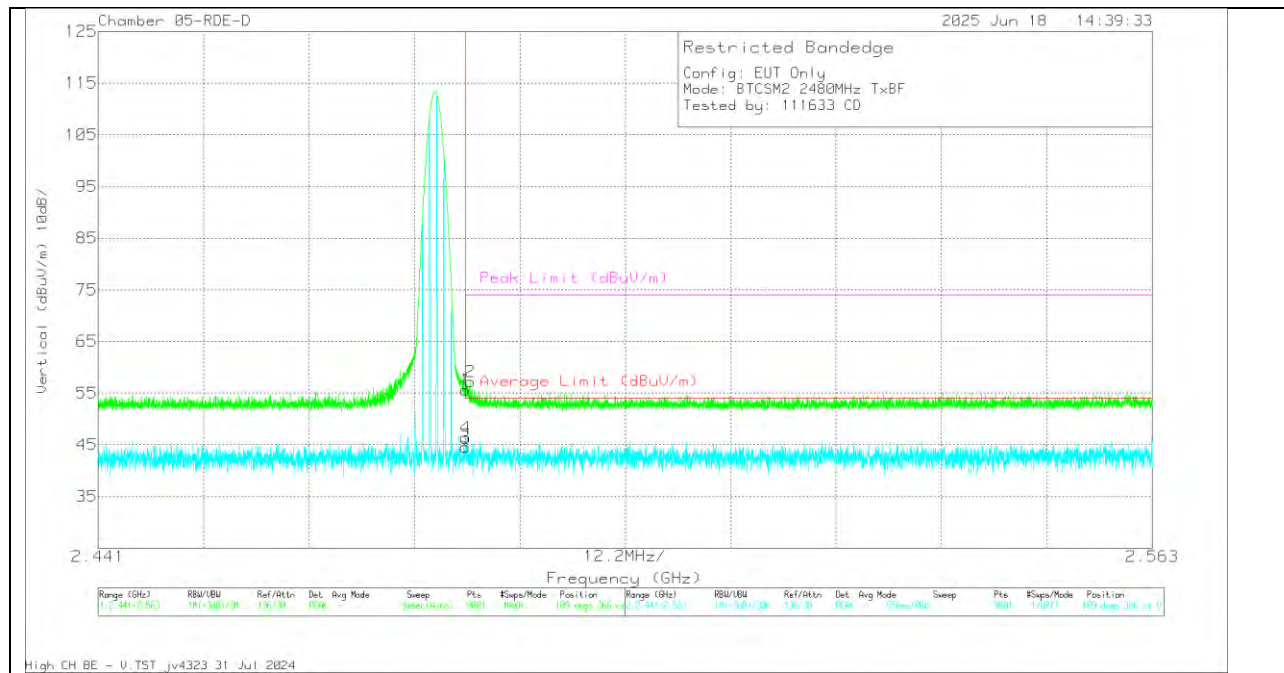
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	65.8	Pk	32.4	-40.71	57.49	-	-	74	-16.51	85	163	H
3	*2.4835	49.99	VA1T	32.4	-40.71	41.68	54	-12.32	-	-	85	163	H
2	*2.483539	67.03	Pk	32.4	-40.71	58.72	-	-	74	-15.28	85	163	H
4	*2.560537	54.64	VA1T	32.5	-40.43	46.71	54	-7.29	-	-	85	163	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	63.94	Pk	32.4	-40.71	55.63	-	-	74	-18.37	109	366	V
3	*2.4835	52.86	VA1T	32.4	-40.71	44.55	54	-9.45	-	-	109	366	V
4	*2.483525	54.65	VA1T	32.4	-40.71	46.34	54	-7.66	-	-	109	366	V
2	*2.484081	65.49	Pk	32.4	-40.69	57.2	-	-	74	-16.8	109	366	V

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

Pk - Peak detector

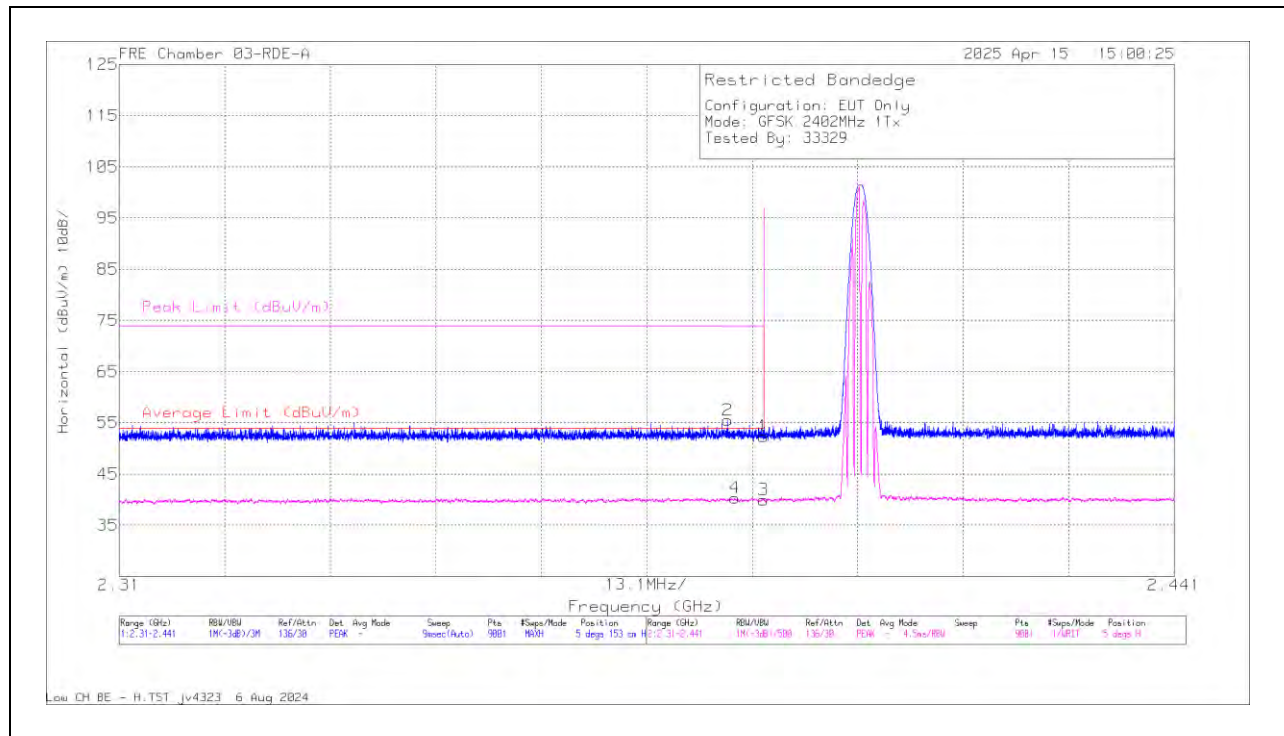
VA1T - FHSS: Linear Voltage Average $VB=1/Ton$ where: Ton is transmit duration

10.1.7. LOW POWER BASIC DATA RATE GFSK MODULATION

ANT 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



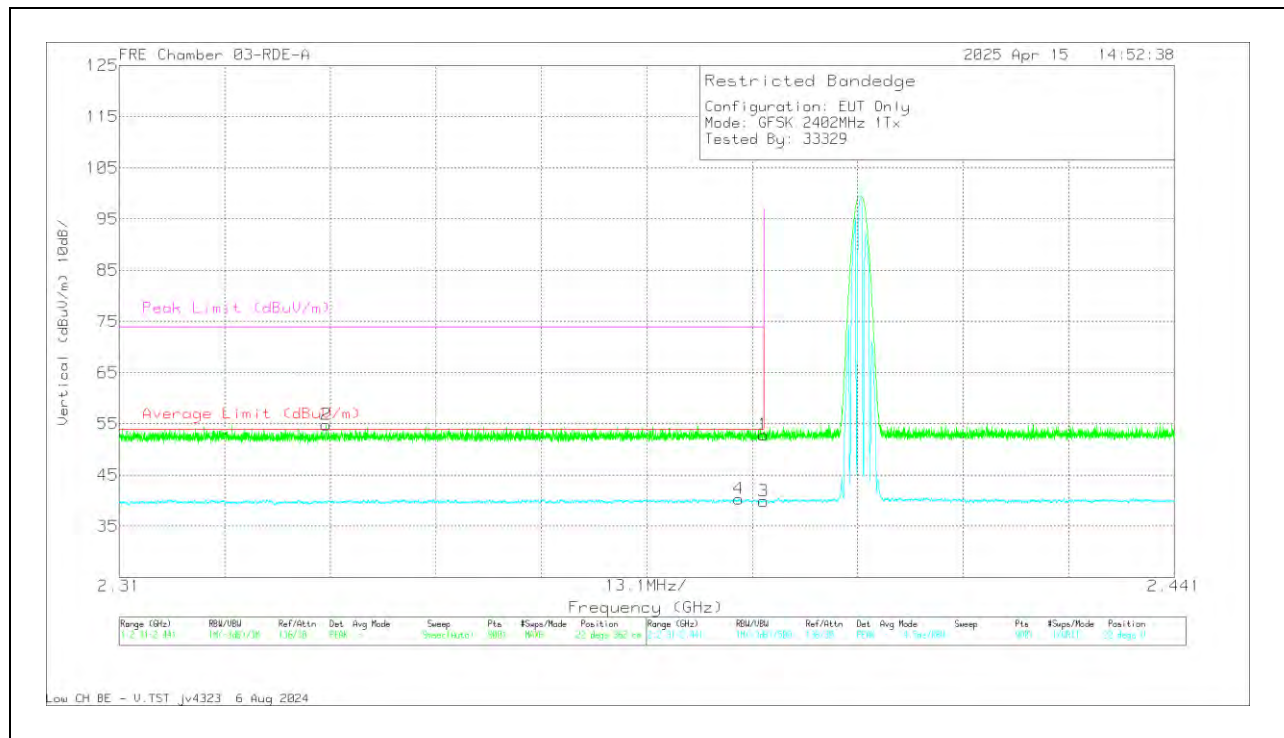
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.385546	63.62	Pk	32.1	-40.2	55.52	-	-	74	-18.48	5	153	H
4	* 2.386434	48.45	VA1T	32.1	-40.2	40.35	54	-13.65	-	-	5	153	H
1	* 2.39	60.57	Pk	32.1	-40.3	52.37	-	-	74	-21.63	5	153	H
3	* 2.39	48.17	VA1T	32.1	-40.3	39.97	54	-14.03	-	-	5	153	H

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

PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT

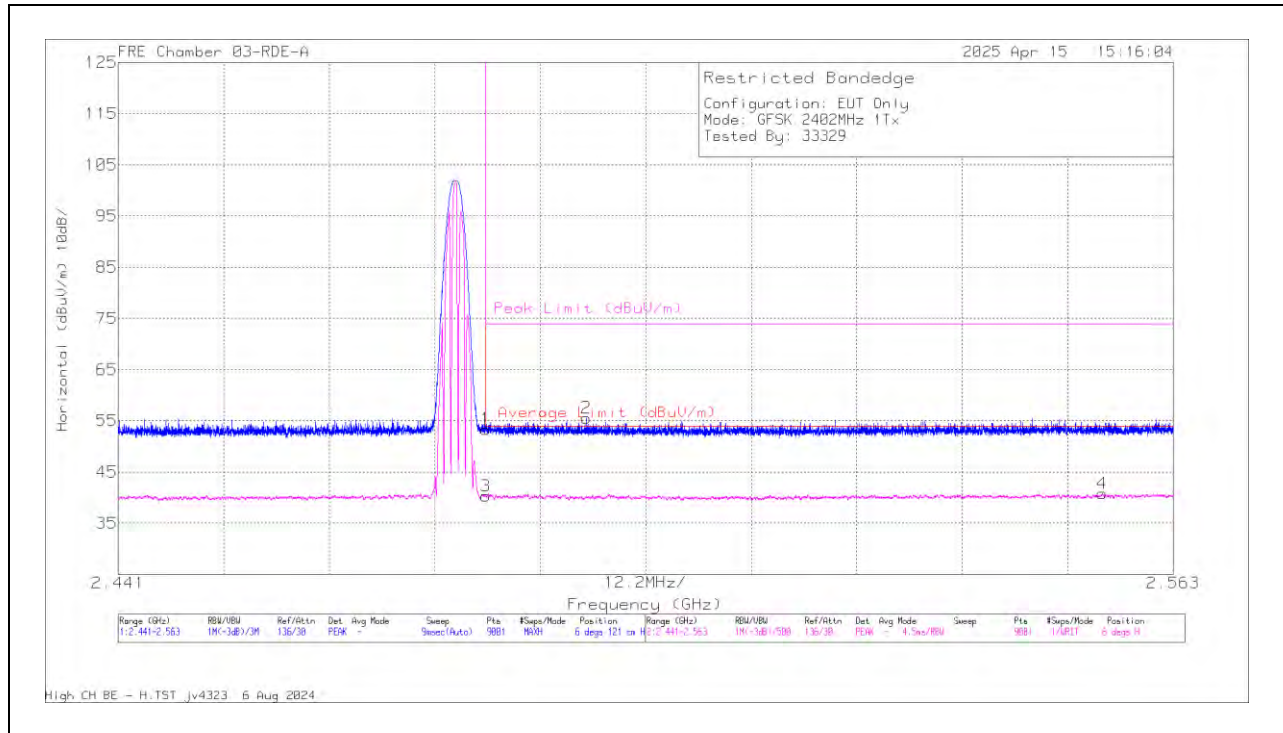


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.08	Pk	32.1	-40.3	52.88	-	-	74	-21.12	22	362	V
2	* 2.335691	63.22	Pk	32	-40.37	54.85	-	-	74	-19.15	22	362	V
3	* 2.39	48.09	VA1T	32.1	-40.3	39.89	54	-14.11	-	-	22	362	V
4	* 2.386914	48.47	VA1T	32.1	-40.2	40.37	54	-13.63	-	-	22	362	V

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

PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

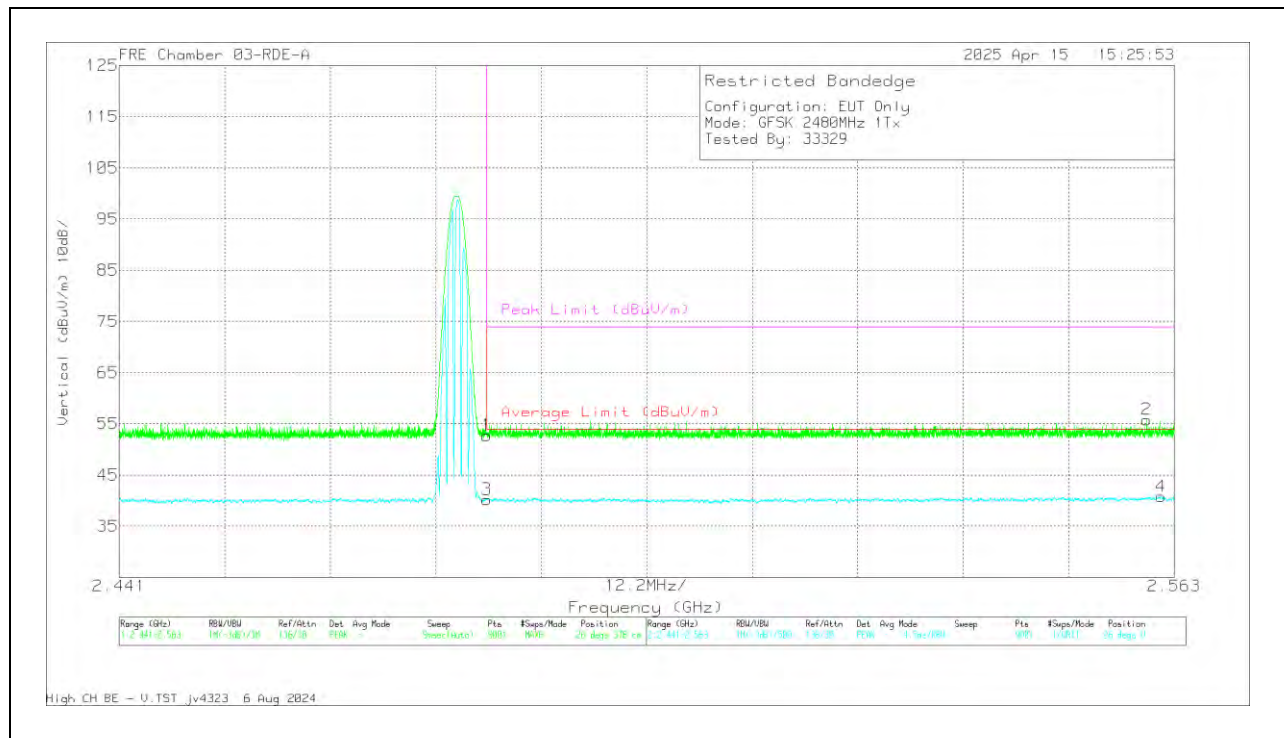
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.1	Pk	32.2	-39.95	53.35	-	-	74	-20.65	6	121	H
2	* 2.495143	63.14	Pk	32.3	-39.9	55.54	-	-	74	-18.46	6	121	H
3	* 2.4835	48.06	VA1T	32.2	-39.95	40.31	54	-13.69	-	-	6	121	H
4	2.554776	48.29	VA1T	32.2	-39.7	40.79	54	-13.21	-	-	6	121	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT

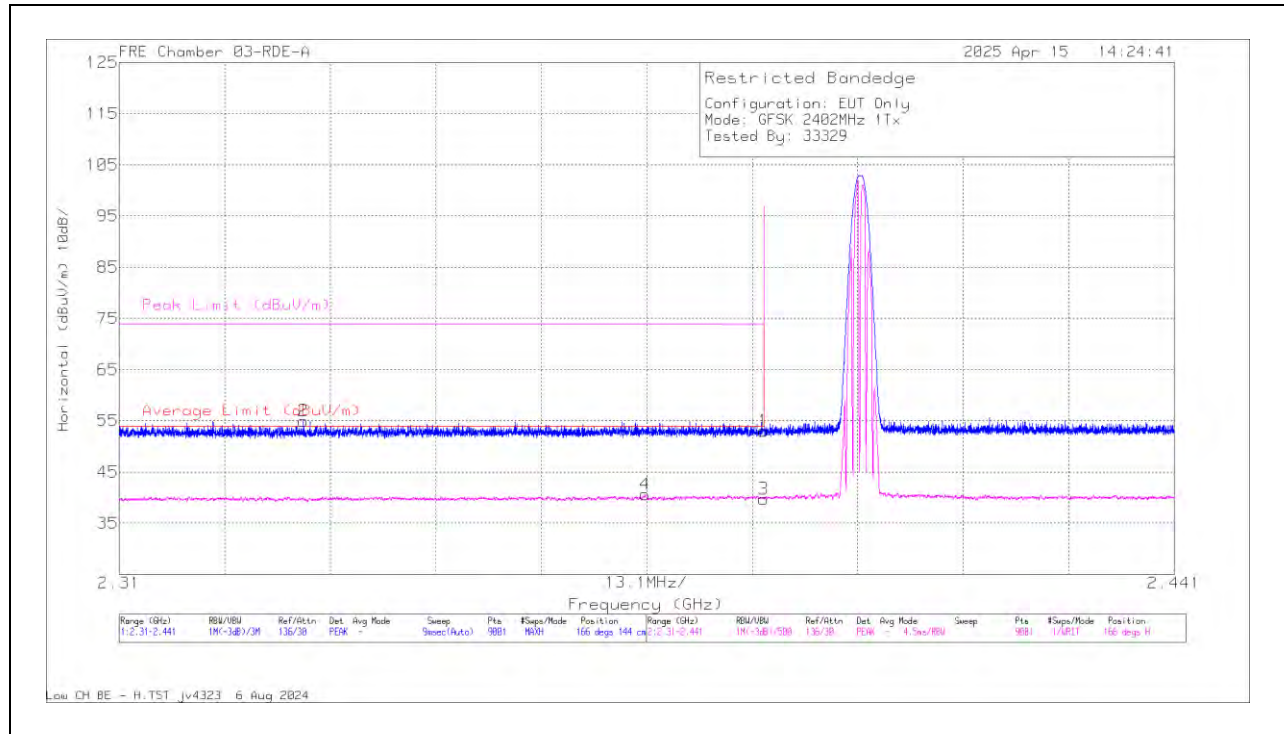


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.48	Pk	32.2	-39.95	52.73	-	-	74	-21.27	26	378	V
3	* 2.4835	47.97	VA1T	32.2	-39.95	40.22	54	-13.78	-	-	26	378	V
2	2.559818	63.33	Pk	32.2	-39.7	55.83	-	-	74	-18.17	26	378	V
4	2.561445	48.22	VA1T	32.2	-39.64	40.78	54	-13.22	-	-	26	378	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

ANT 1**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

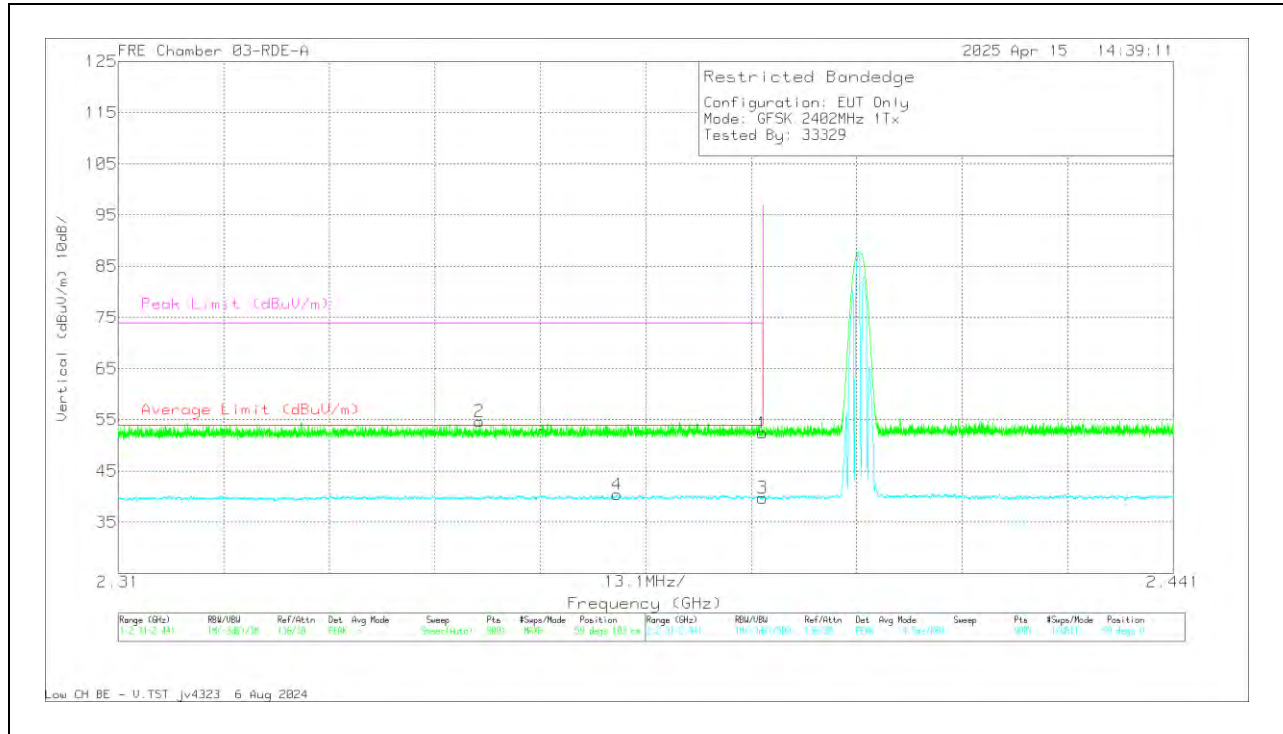
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.332853	63.48	Pk	31.9	-40.39	54.99	-	-	74	-19.01	166	144	H
4	* 2.375298	48.75	VA1T	32.1	-40.23	40.62	54	-13.38	-	-	166	144	H
1	* 2.39	61.22	Pk	32.1	-40.3	53.02	-	-	74	-20.98	166	144	H
3	* 2.39	47.91	VA1T	32.1	-40.3	39.71	54	-14.29	-	-	166	144	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT

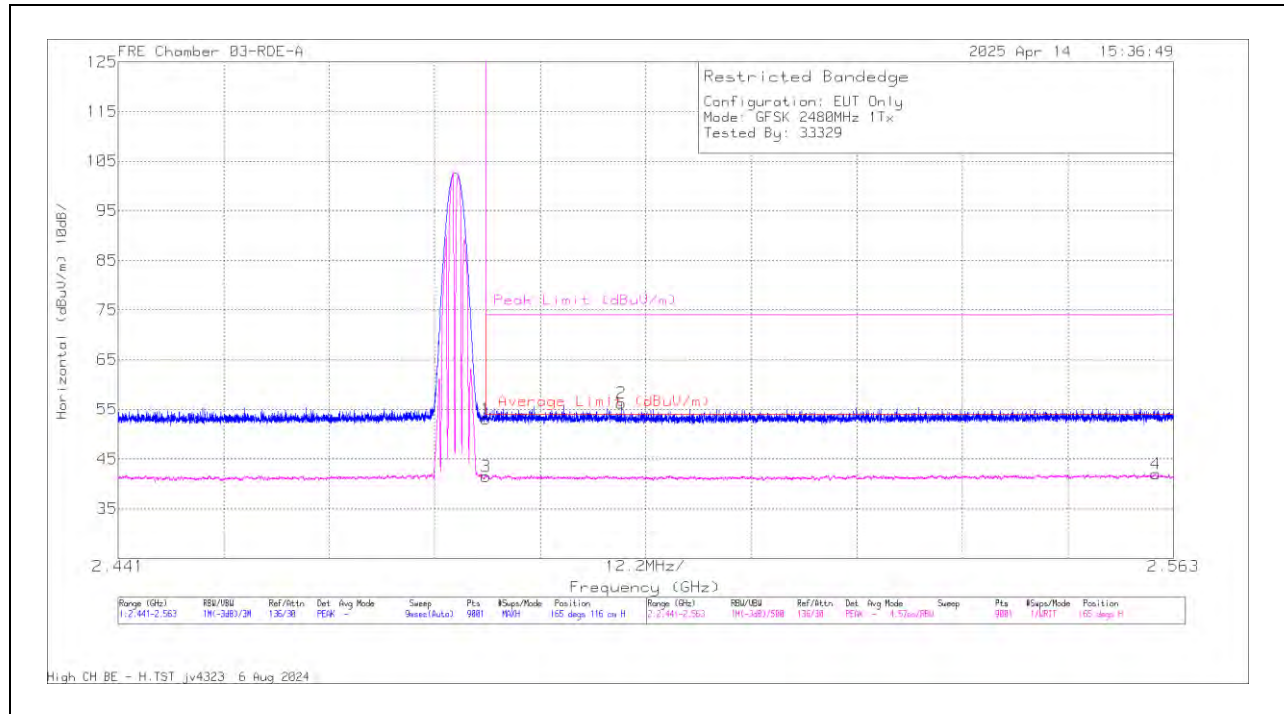


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.354832	63	Pk	32	-40.3	54.7	-	-	74	-19.3	59	103	V
4	*2.371921	48.51	VA1T	32.1	-40.21	40.4	54	-13.6	-	-	59	103	V
1	*2.39	60.66	Pk	32.1	-40.3	52.46	-	-	74	-21.54	59	103	V
3	*2.39	47.93	VA1T	32.1	-40.3	39.73	54	-14.27	-	-	59	103	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

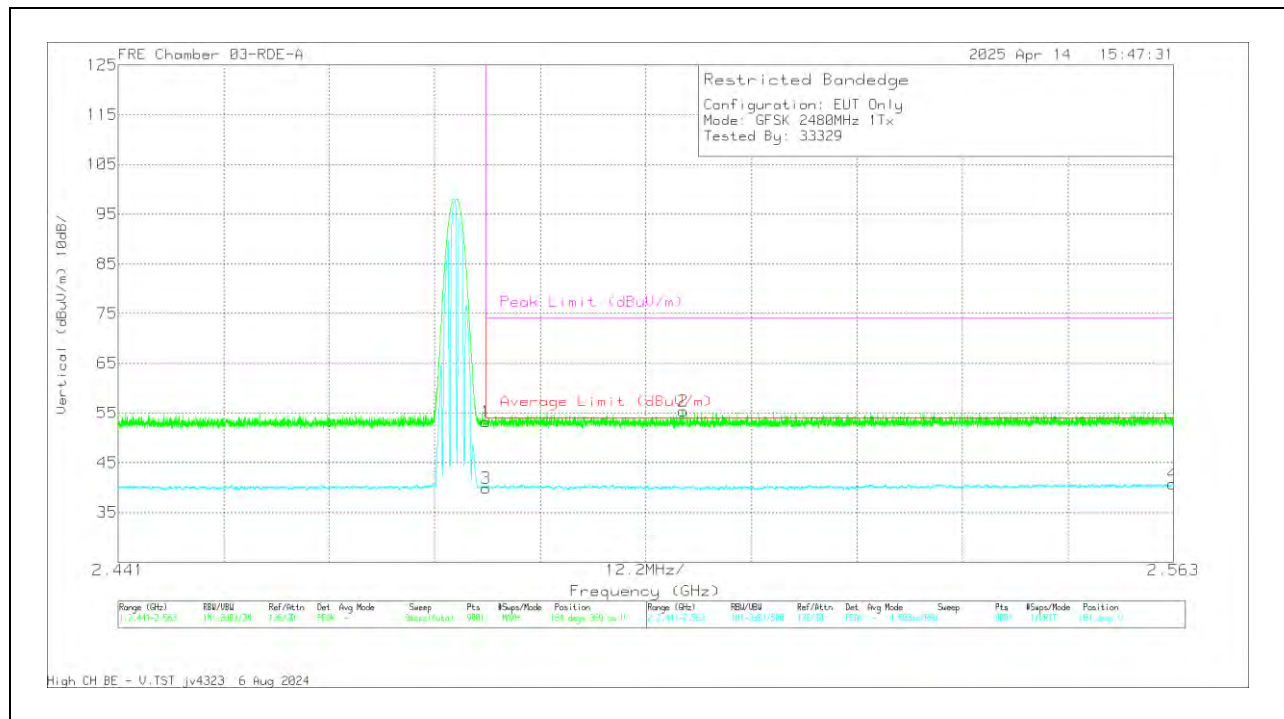
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.8	Pk	32.2	-39.95	53.05	-	-	74	-20.95	165	116	H
3	* 2.4835	48.07	VA1T	32.2	-39.95	40.32	54	-13.68	-	-	165	116	H
2	* 2.499169	63.93	Pk	32.2	-39.9	56.23	-	-	74	-17.77	165	116	H
4	2.560957	48.27	VA1T	32.2	-39.6	40.87	54	-13.13	-	-	165	116	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.98	Pk	32.2	-39.95	53.23	-	-	74	-20.77	184	369	V
3	* 2.4835	47.66	VA1T	32.2	-39.95	39.91	54	-14.09	-	-	184	369	V
2	* 2.506367	63.11	Pk	32.2	-39.9	55.41	-	-	74	-18.59	184	369	V
4	* 2.562936	48.29	VA1T	32.2	-39.7	40.79	54	-13.21	-	-	184	369	V

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

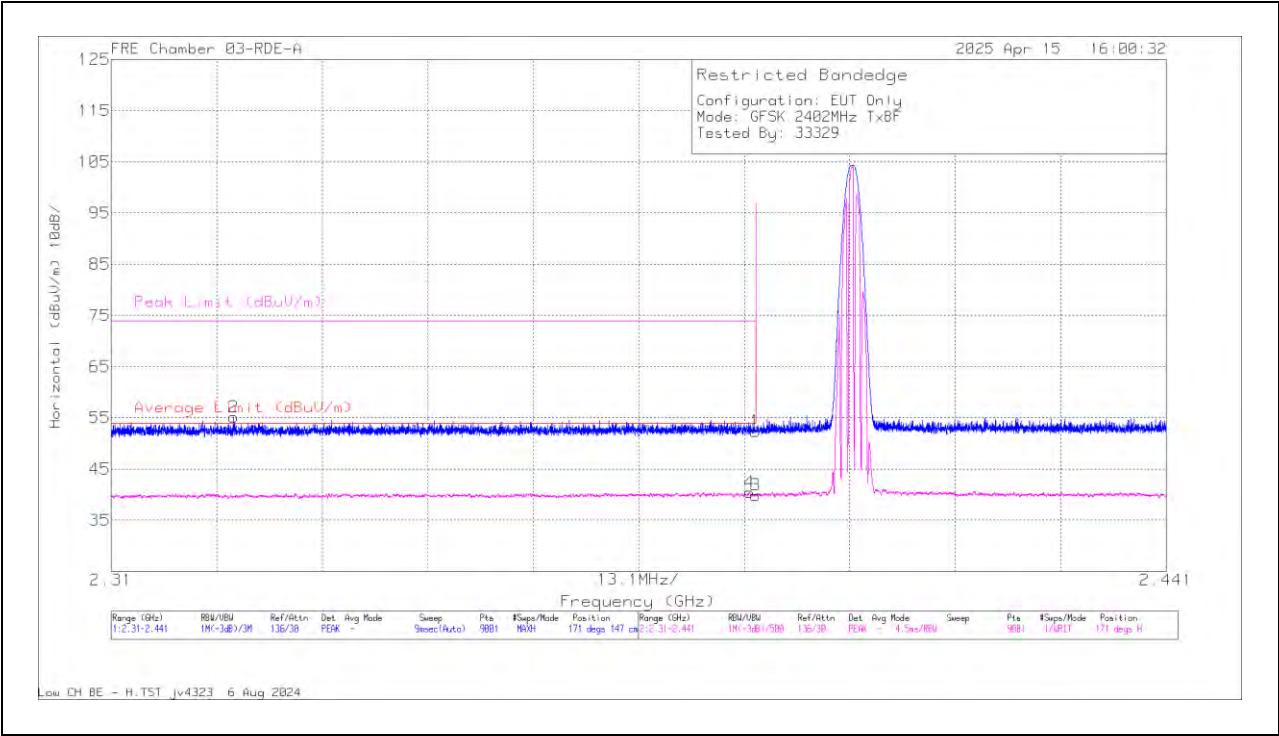
PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.8. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

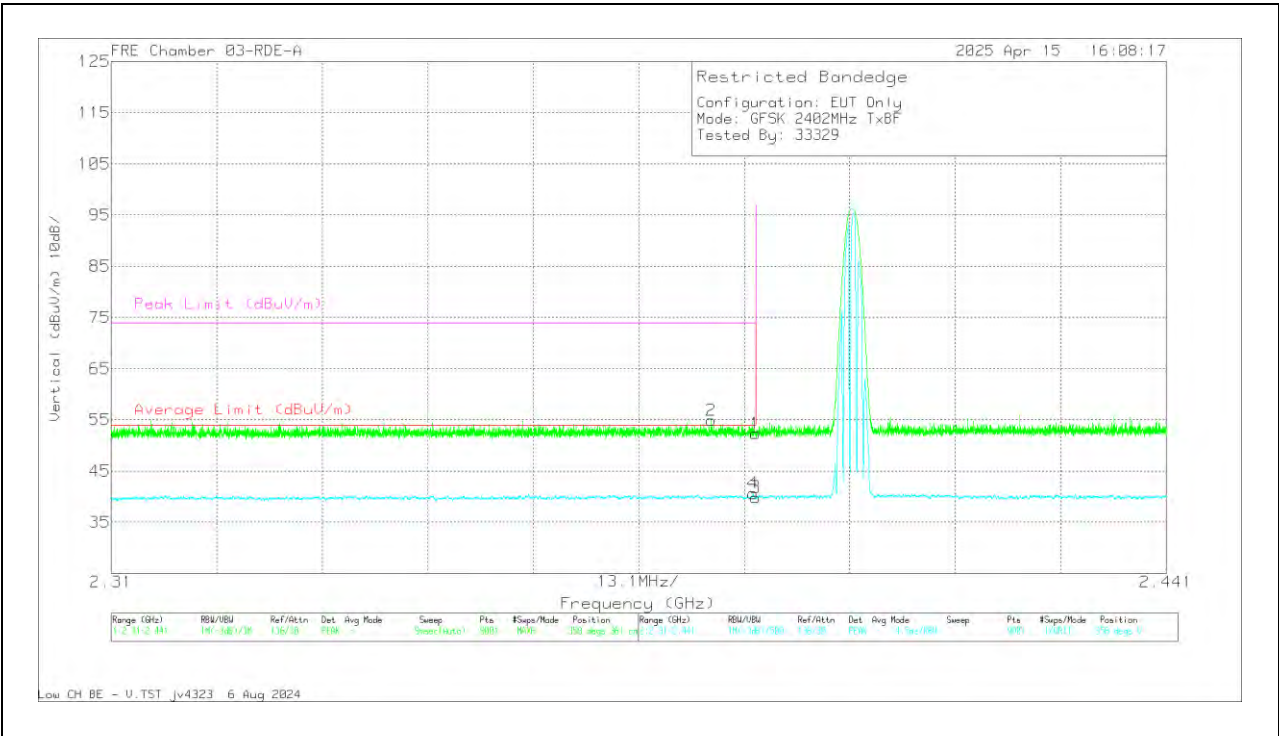
HORIZONTAL RESULT



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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.325226	63.64	Pk	31.9	-40.38	55.16	-	-	74	-18.84	171	147	H
4	* 2.389272	48.65	VA1T	32.1	-40.3	40.45	54	-13.55	-	-	171	147	H
1	* 2.39	60.57	Pk	32.1	-40.3	52.37	-	-	74	-21.63	171	147	H
3	* 2.39	48.08	VA1T	32.1	-40.3	39.88	54	-14.12	-	-	171	147	H

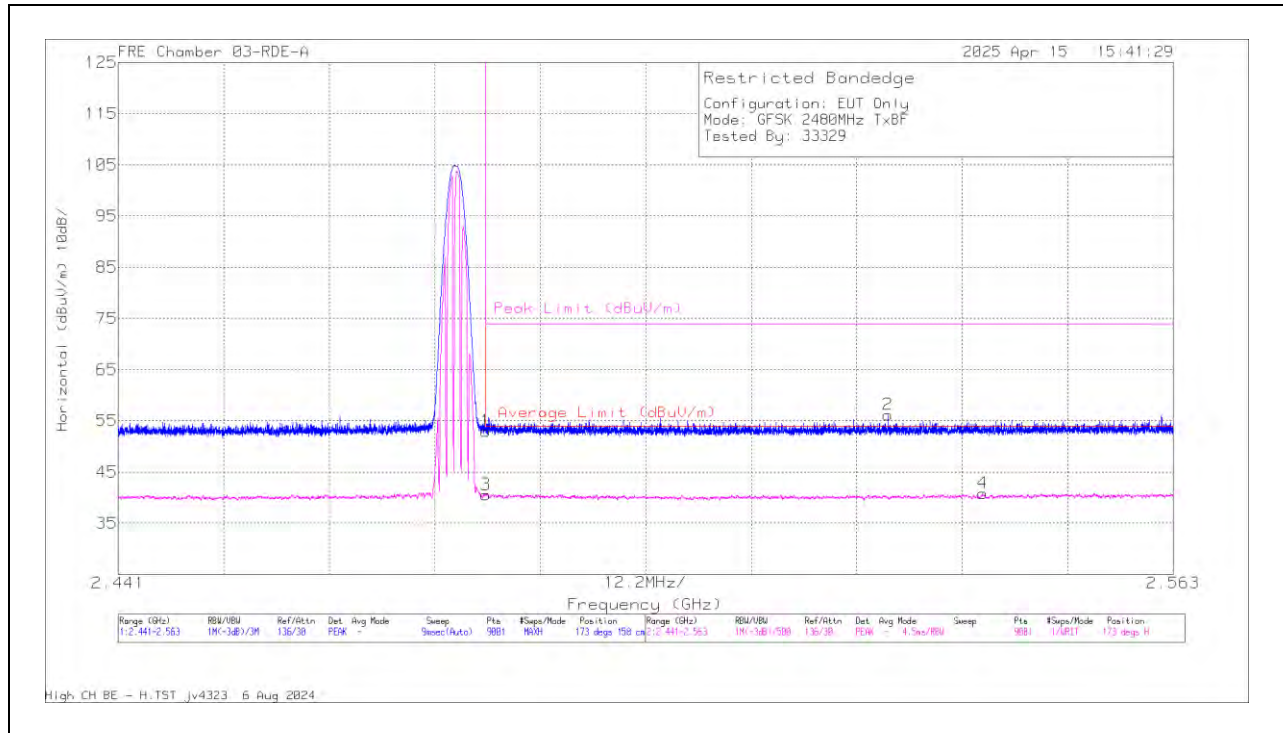
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.51	Pk	32.1	-40.3	52.31	-	-	74	-21.69	358	361	V
2	* 2.384498	63.06	Pk	32.1	-40.25	54.91	-	-	74	-19.09	358	361	V
3	* 2.39	48.06	VA1T	32.1	-40.3	39.86	54	-14.14	-	-	358	361	V
4	* 2.389694	48.82	VA1T	32.1	-40.3	40.62	54	-13.38	-	-	358	361	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

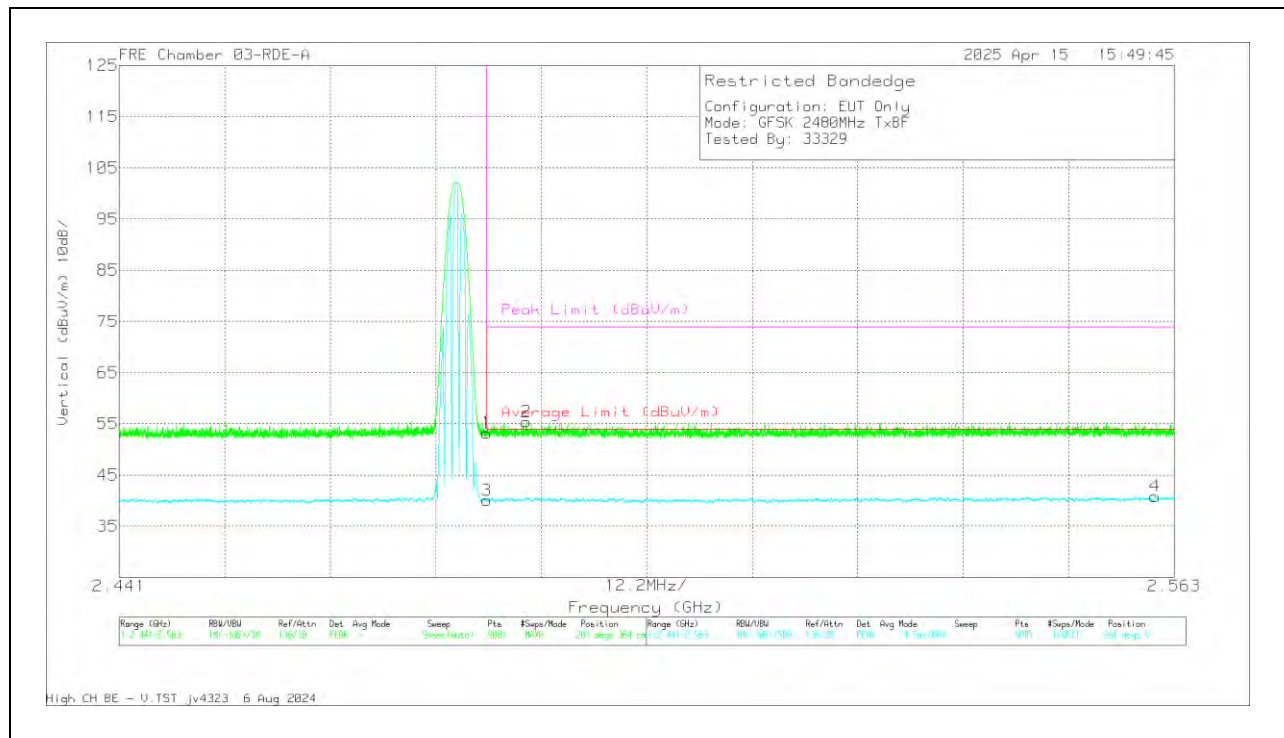
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.76	Pk	32.2	-39.95	53.01	-	-	74	-20.99	173	158	H
3	* 2.4835	48.35	VA1T	32.2	-39.95	40.6	54	-13.4	-	-	173	158	H
2	*2.529995	63.9	Pk	32.2	-39.9	56.2	-	-	74	-17.8	173	158	H
4	*2.540962	48.46	VA1T	32.2	-39.8	40.86	54	-13.14	-	-	173	158	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.97	Pk	32.2	-39.95	53.22	-	-	74	-20.78	201	364	V
2	* 2.488094	63	Pk	32.3	-39.9	55.4	-	-	74	-18.6	201	364	V
3	* 2.4835	47.81	VA1T	32.2	-39.95	40.06	54	-13.94	-	-	201	364	V
4	* 2.560781	48.28	VA1T	32.2	-39.62	40.86	54	-13.14	-	-	201	364	V

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

PK - Peak detector

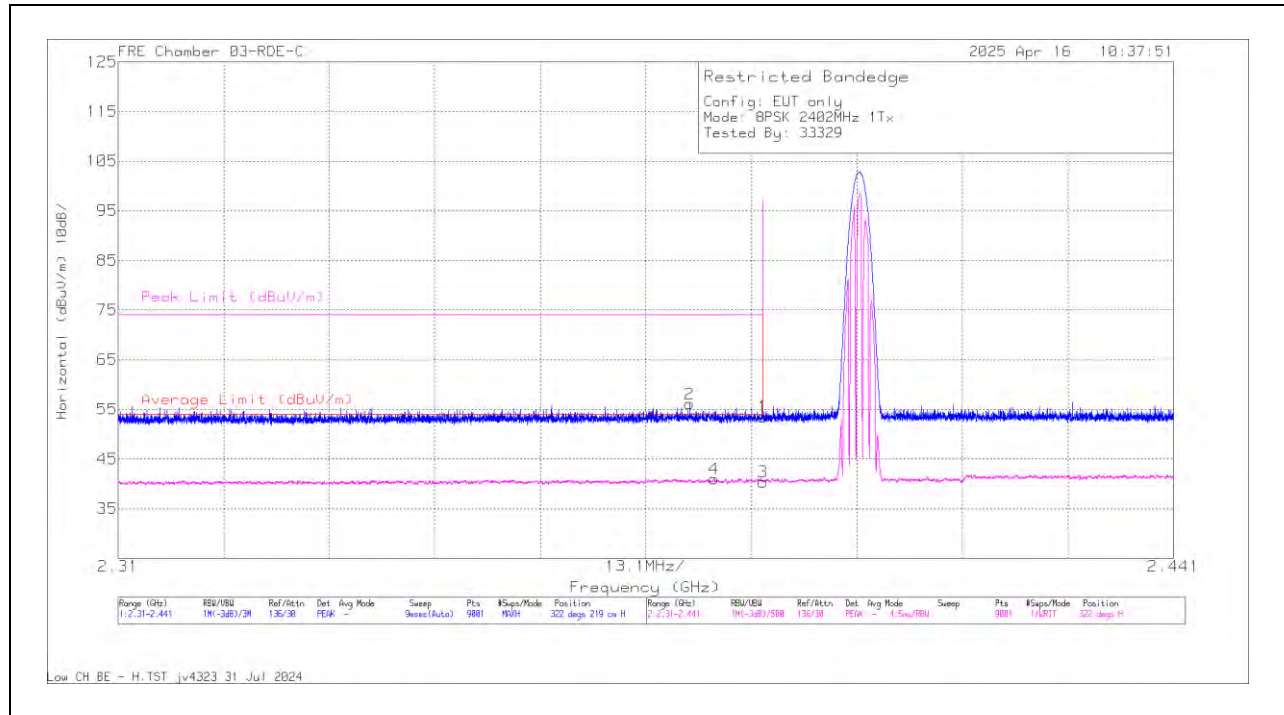
VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

10.1.9. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.86	Pk	32.1	-39.5	53.46	-	-	74	-20.54	322	219	H
2	* 2.380946	63.48	Pk	32.1	-39.5	56.08	-	-	74	-17.92	322	219	H
3	* 2.39	47.81	VA1T	32.1	-39.5	40.41	54	-13.59	-	-	322	219	H
4	* 2.384003	48.45	VA1T	32.1	-39.5	41.05	54	-12.95	-	-	322	219	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration