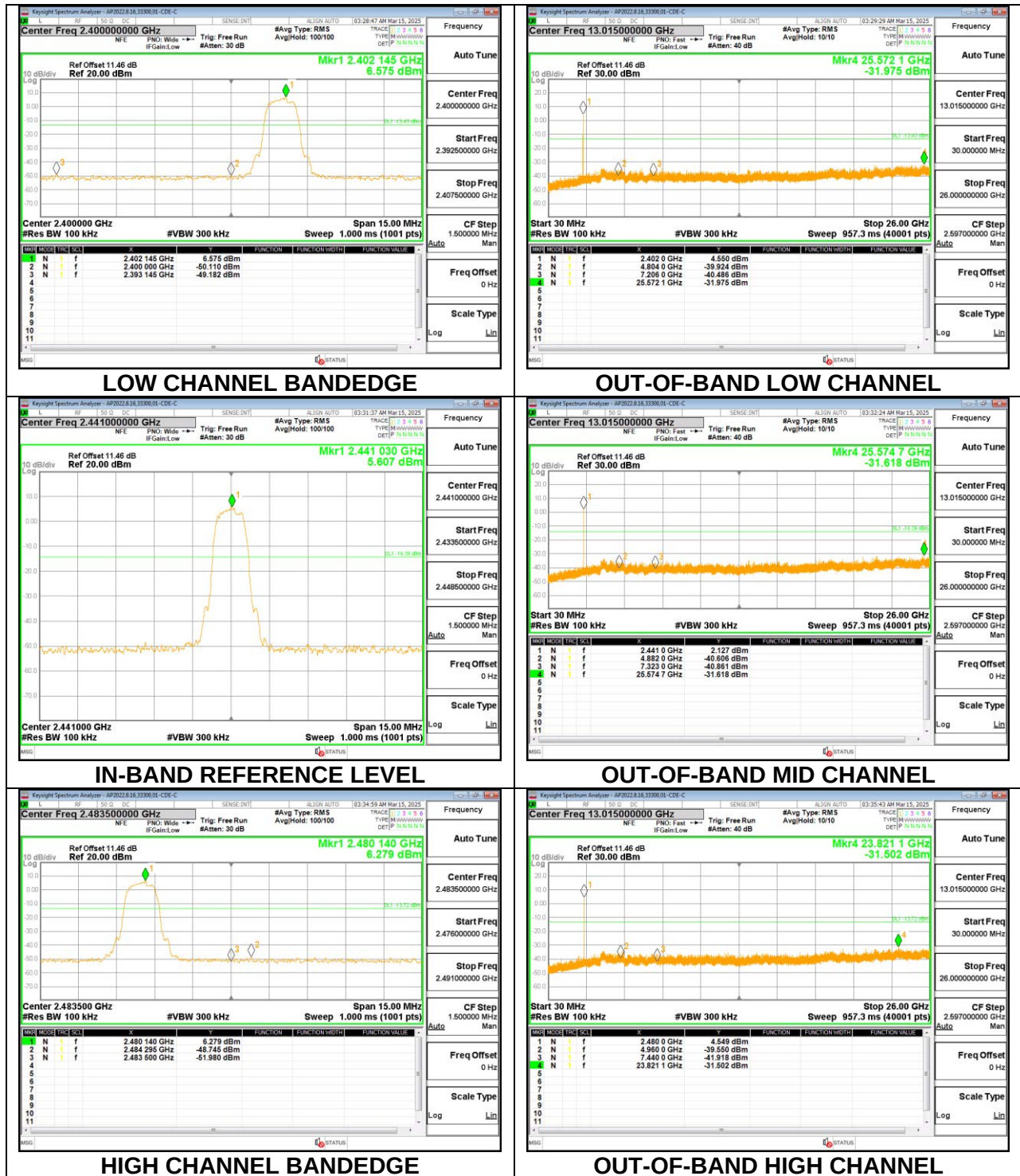
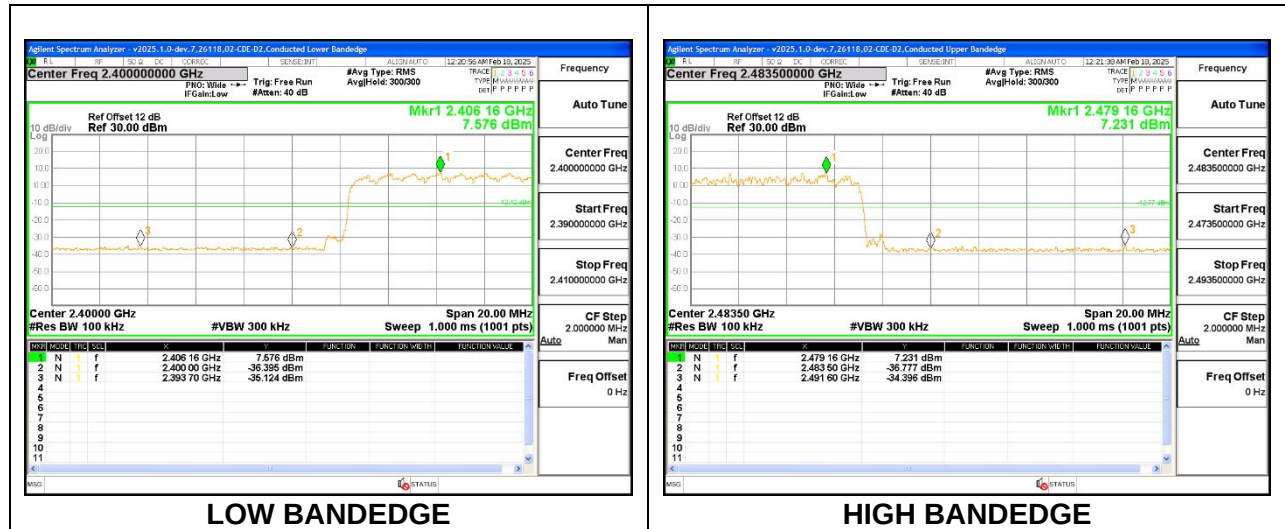


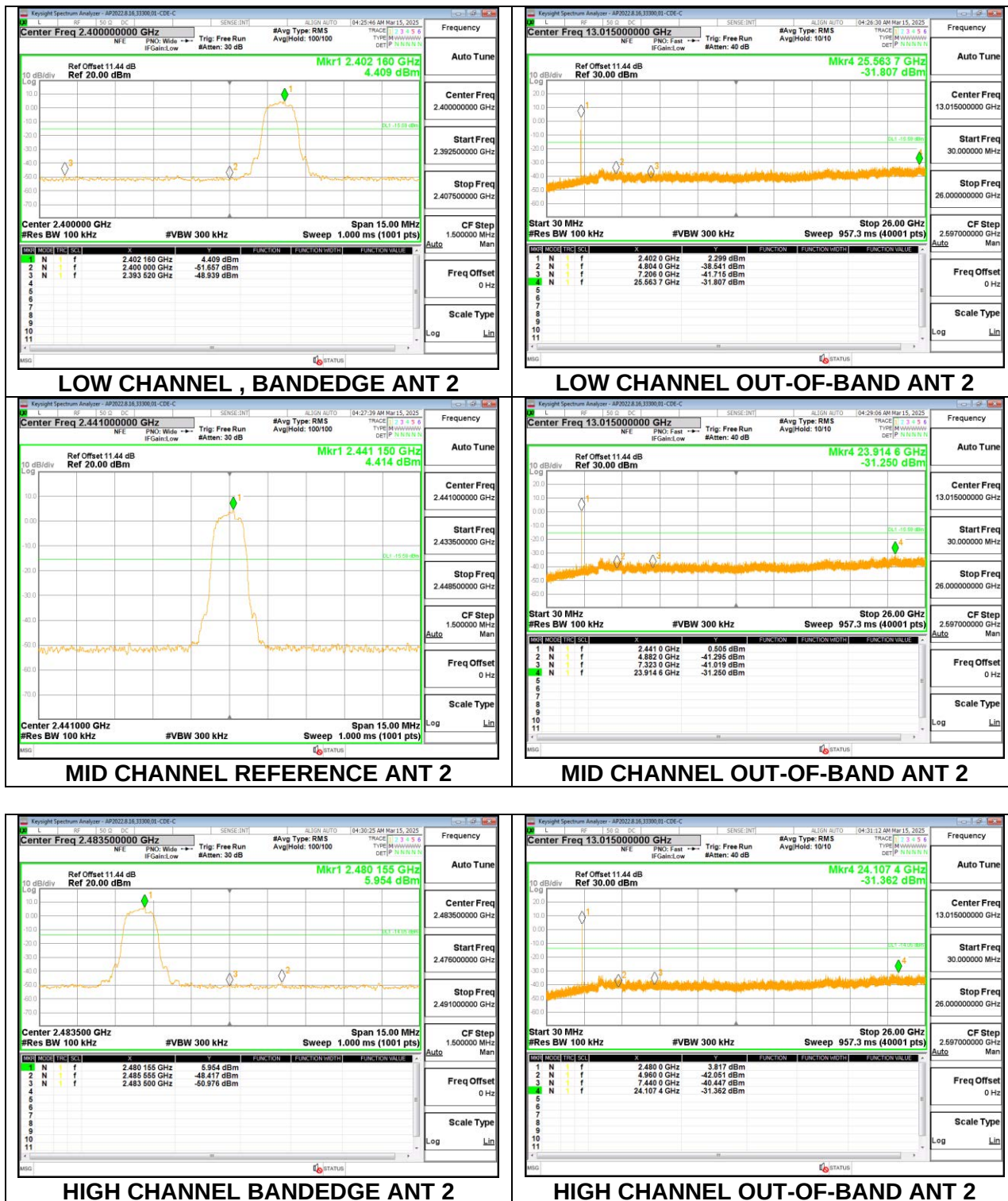
ANT 1 SPURIOUS EMISSIONS, NON-HOPPING

ANT 1 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

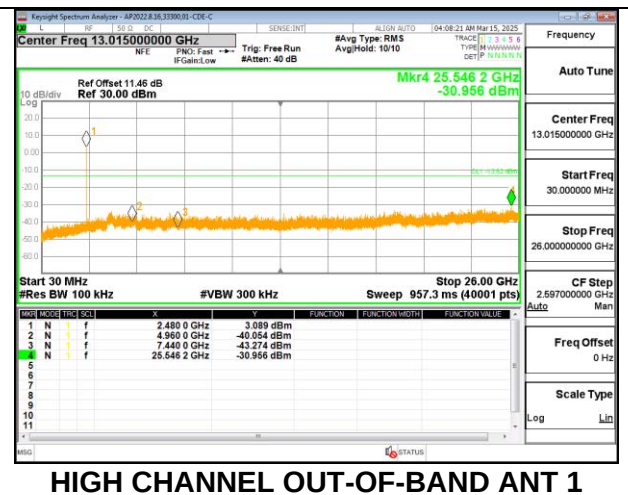
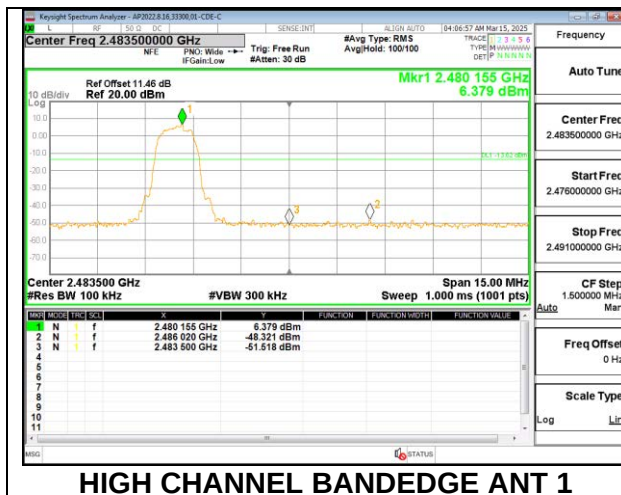
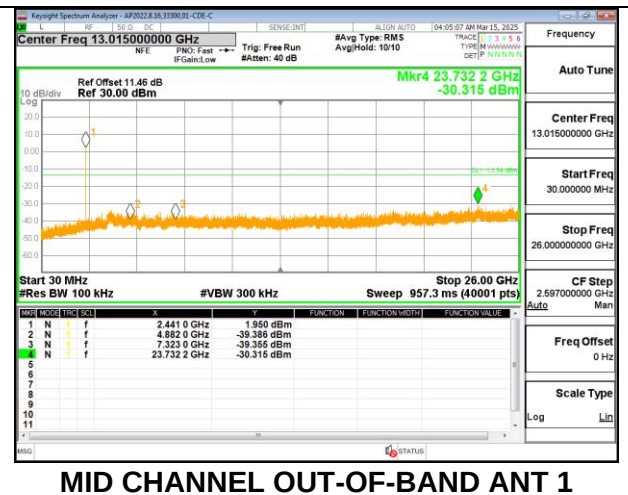
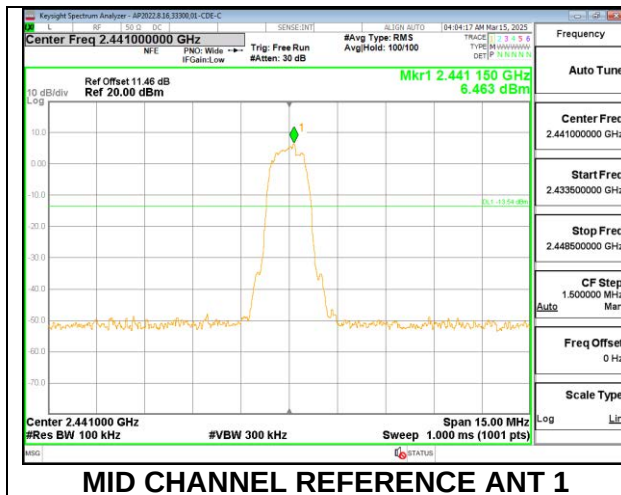
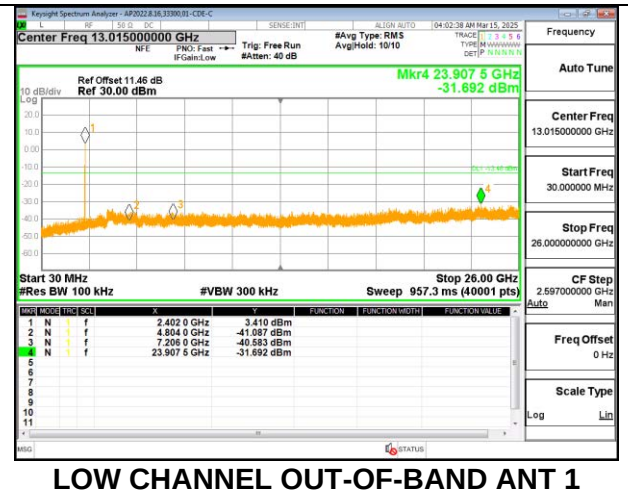
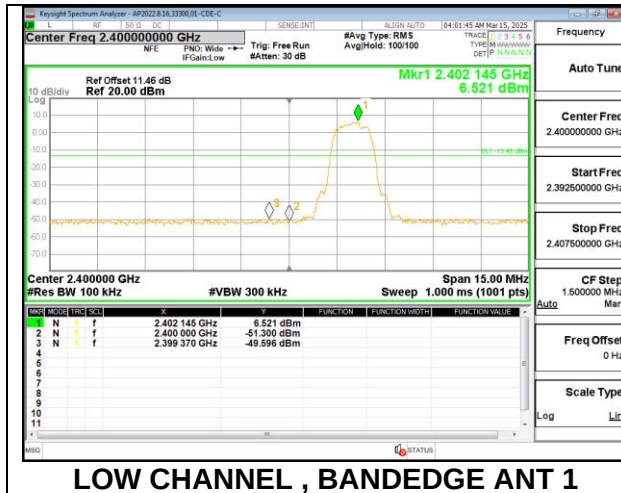
9.8.10. LOW POWER ENHANCED DATA RATE TXBF 8PSK MODULATION

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

ANT 2



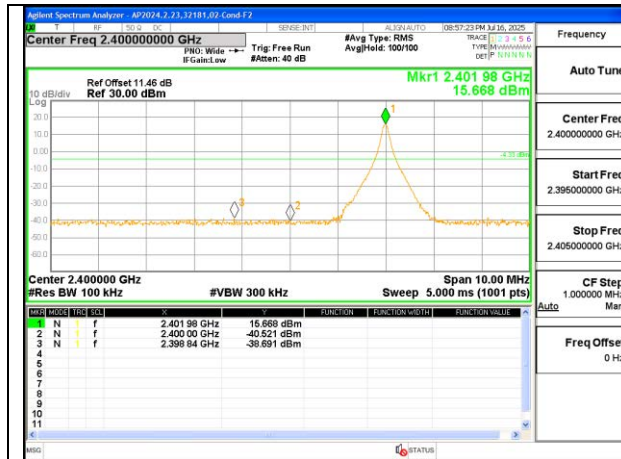
ANT 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

ANT 1

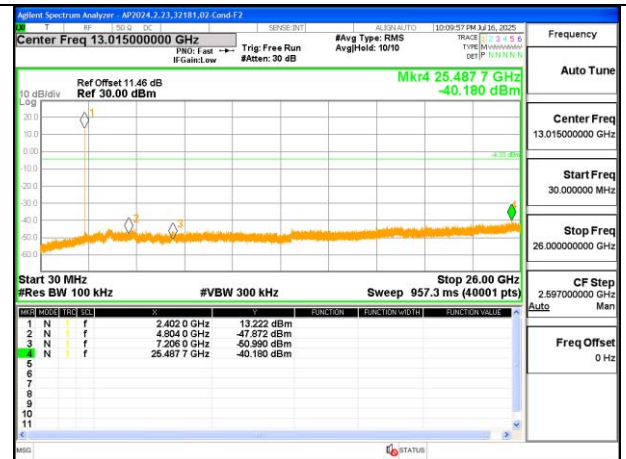
ANT 1 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

9.8.11. LOW POWER ENHANCED DATA RATE BTCSM2 MODULATION

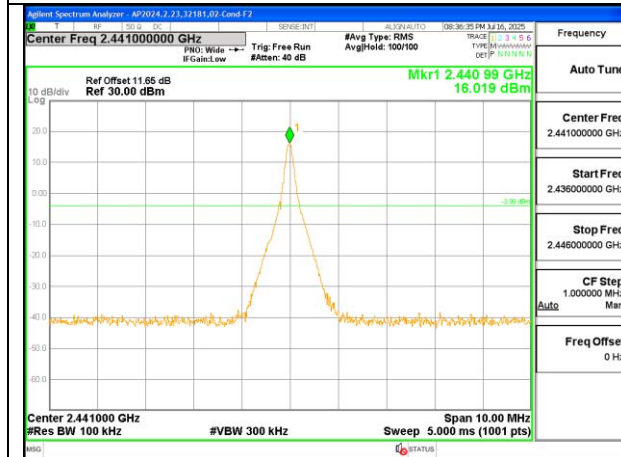
ANT 2 SPURIOUS EMISSIONS, NON-HOPPING



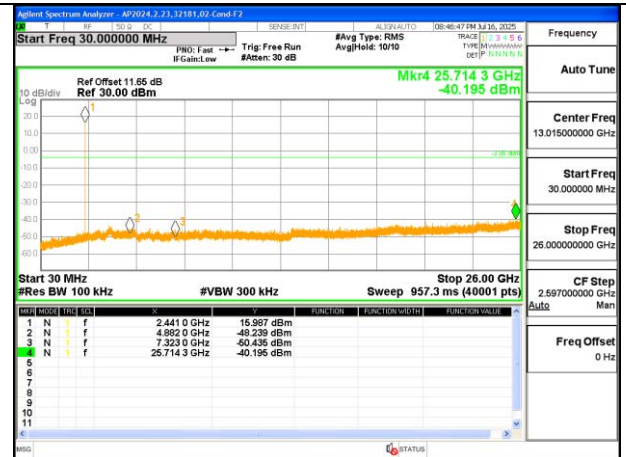
LOW CHANNEL BANDEDGE



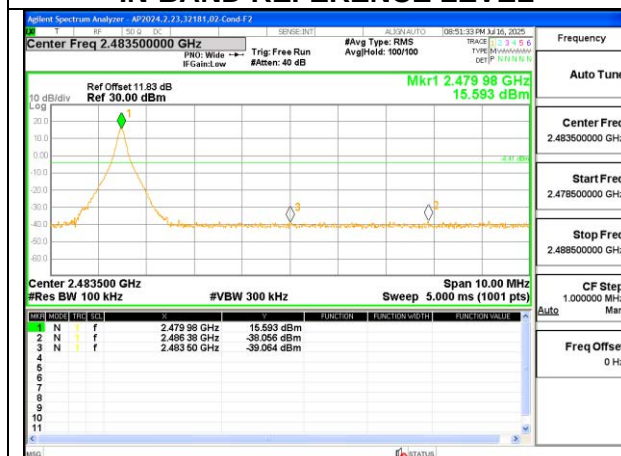
OUT-OF-BAND LOW CHANNEL



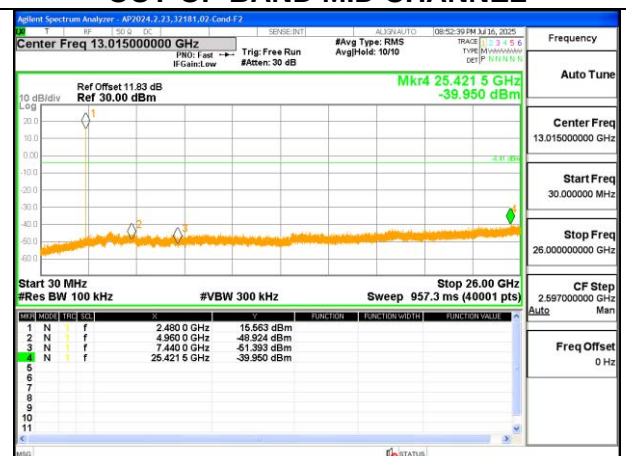
IN-BAND REFERENCE LEVEL



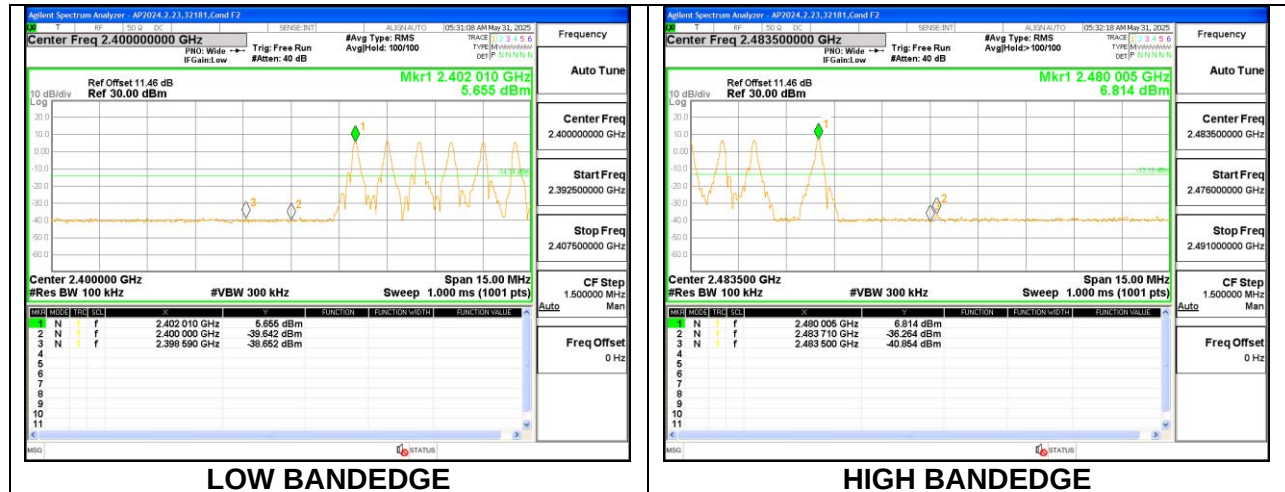
OUT-OF-BAND MID CHANNEL

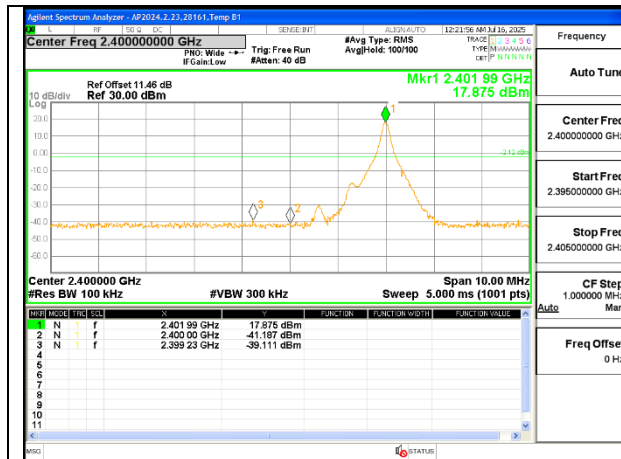
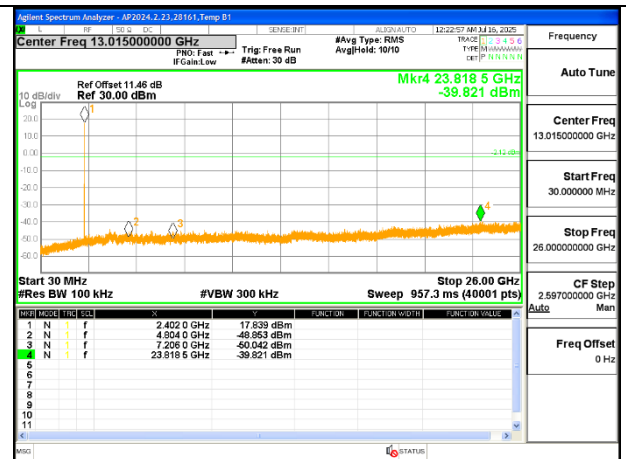
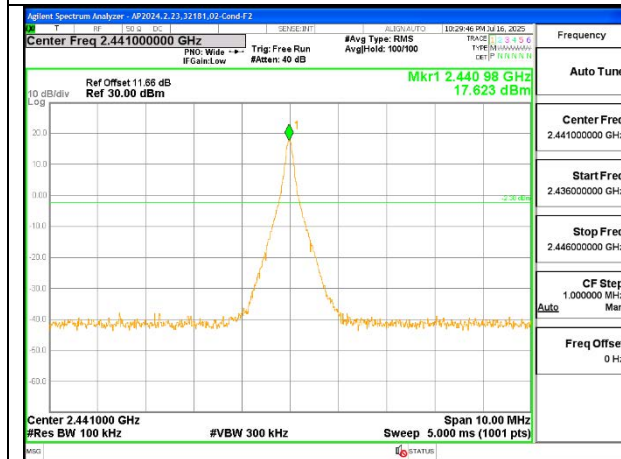
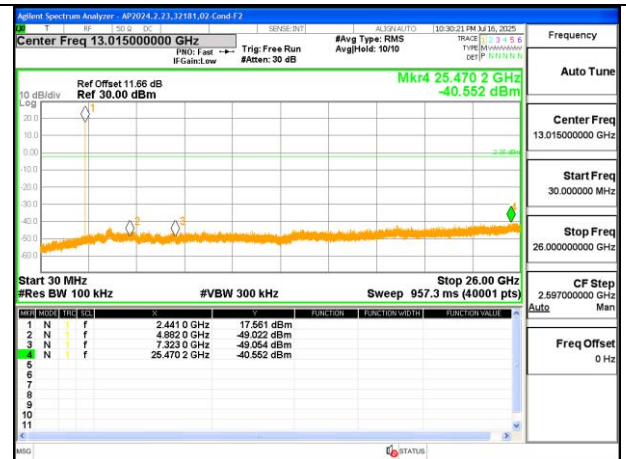
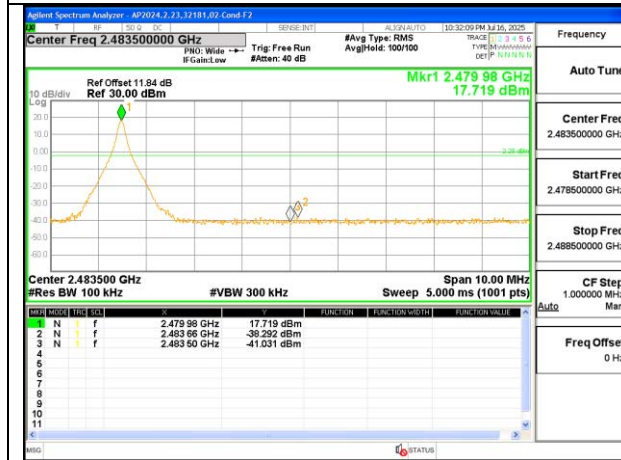
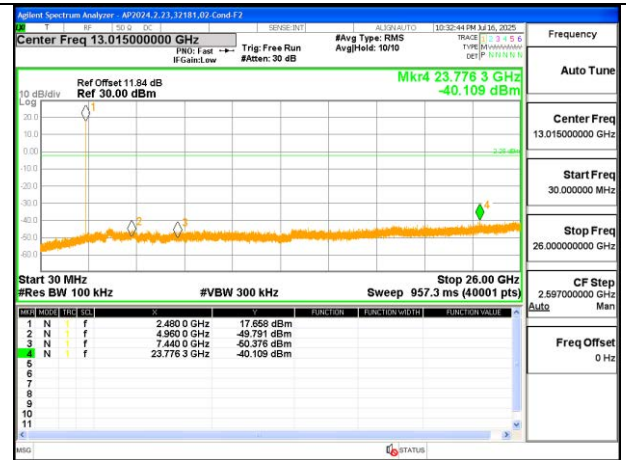


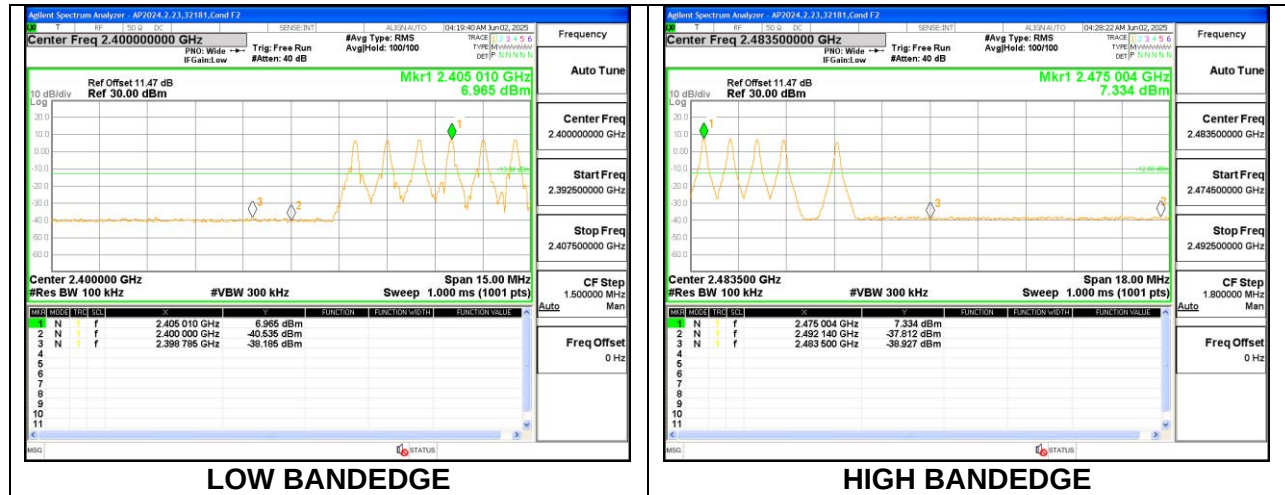
HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

ANT 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

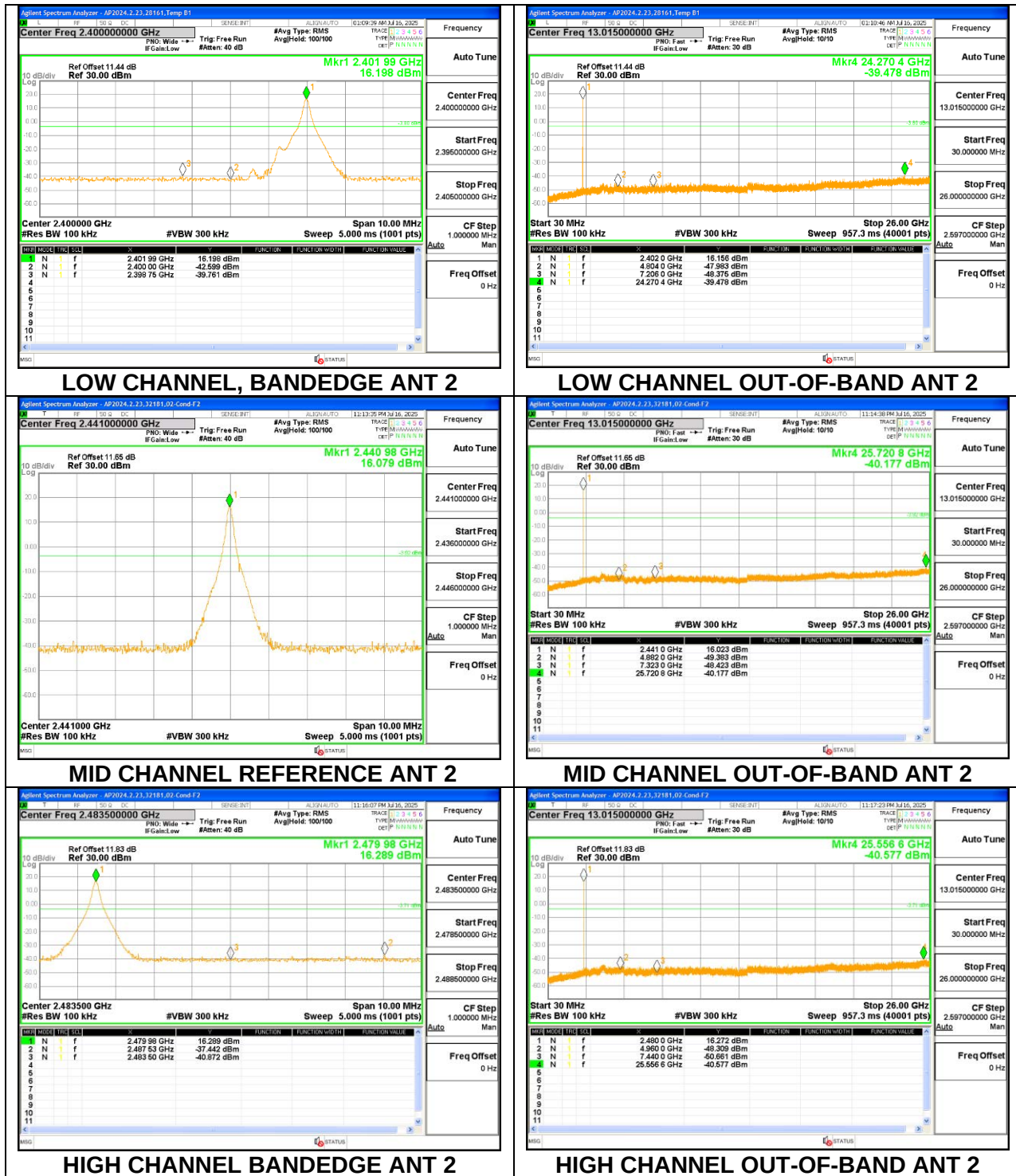
ANT 1 SPURIOUS EMISSIONS, NON-HOPPING**LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

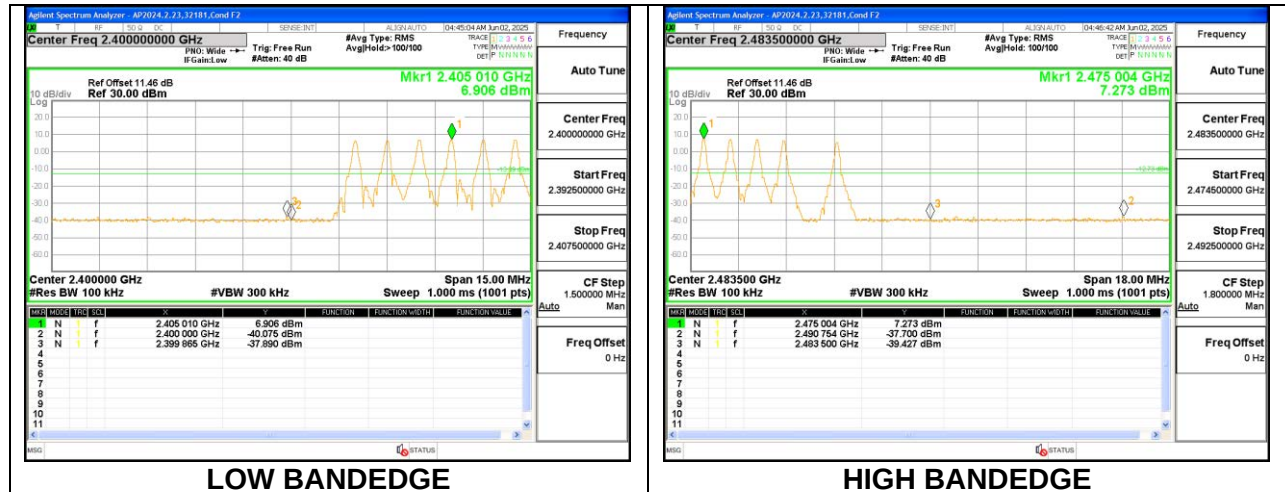
ANT 1 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

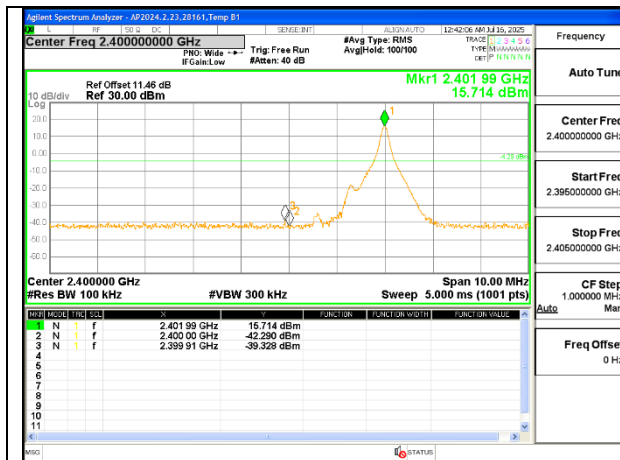
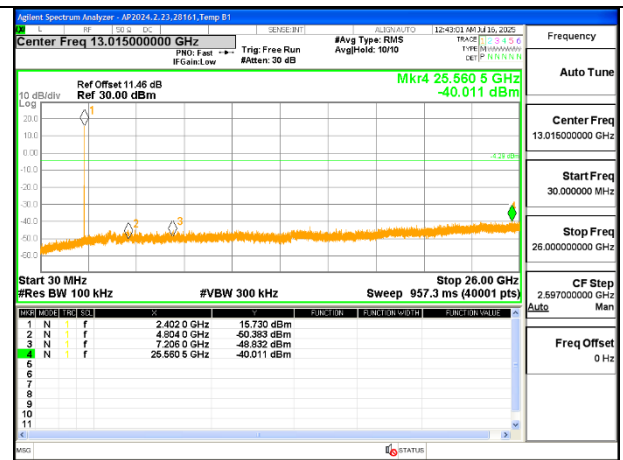
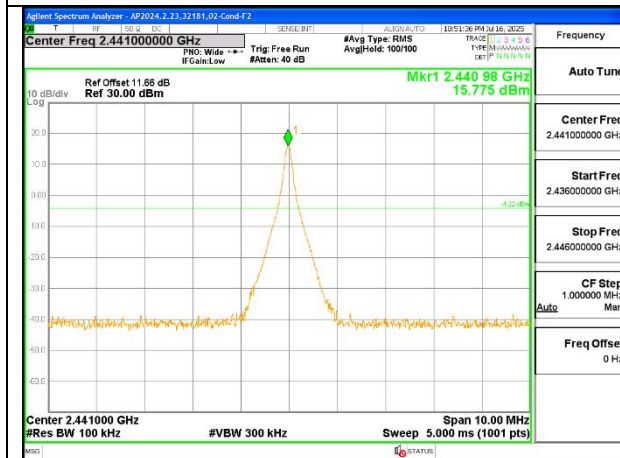
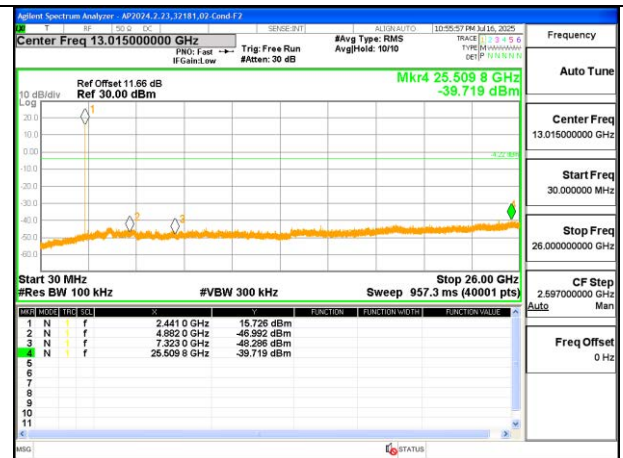
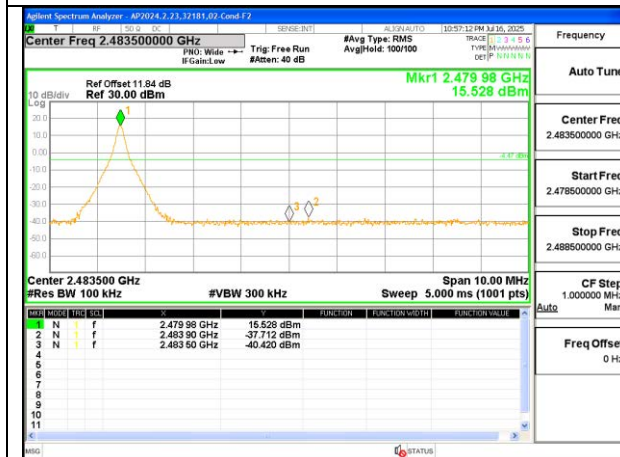
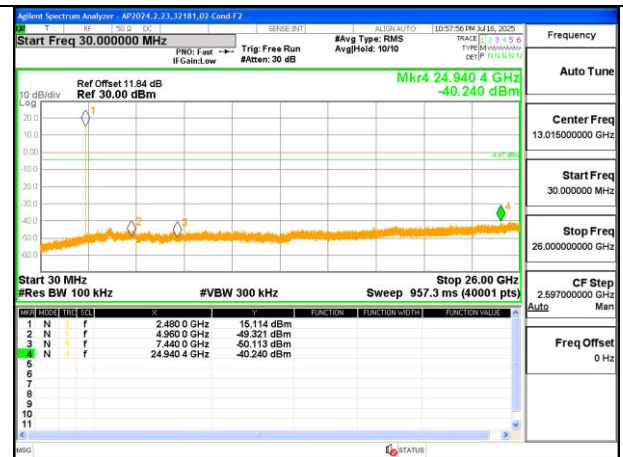
9.8.12. LOW POWER ENHANCED DATA RATE TXBF BTCSM2 MODULATION

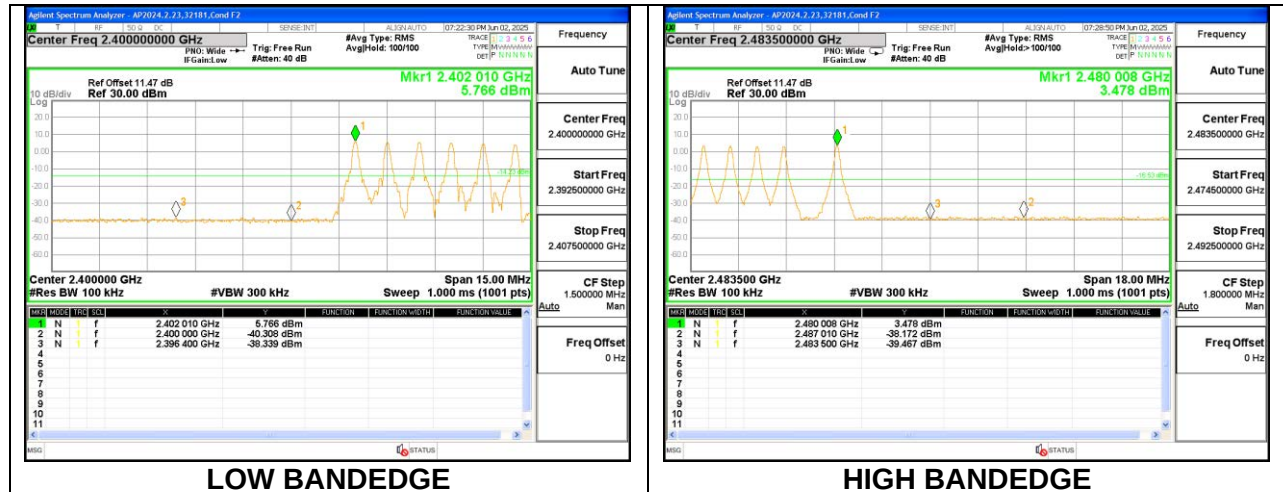
Note: Test procedure on beamforming mode is same as BT basic and EDR mode

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 scans above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T (500 Hz for GFSK & 8PSK, 20 KHz for BTCSM2) video bandwidth with peak detector for average measurements.

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

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

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

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 v05r02

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.

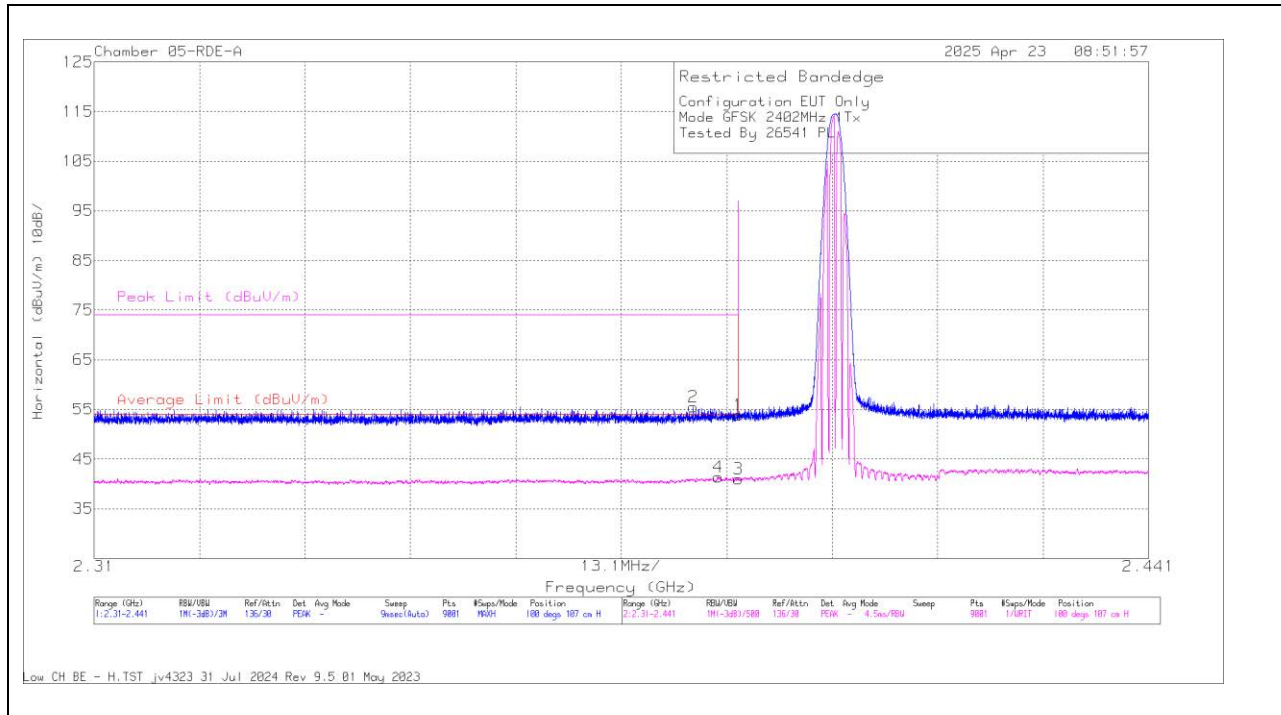
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

ANT 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 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	61.22	PK	32.1	-39.5	53.82	-	-	74	-20.18	100	107	H
2	* 2.384425	62.83	PK	32.1	-39.4	55.53	-	-	74	-18.47	100	107	H
3	* 2.39	48.45	VA1T	32.1	-39.5	41.05	54	-12.95	-	-	100	107	H
4	* 2.387569	48.66	VA1T	32.1	-39.4	41.36	54	-12.64	-	-	100	107	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

Chamber 05-RDE-A

2025 Apr 23 09:02:46

Restricted Bandedge
Configuration EUT Only
Mode GFSK 2402MHz 1Tx
Tested By 26541 PL

Peak Limit (dBuU/m)

Average Limit (dBuU/m)

Vertical (dBuU/m) 10dB/

Frequency (GHz)

13.1MHz/

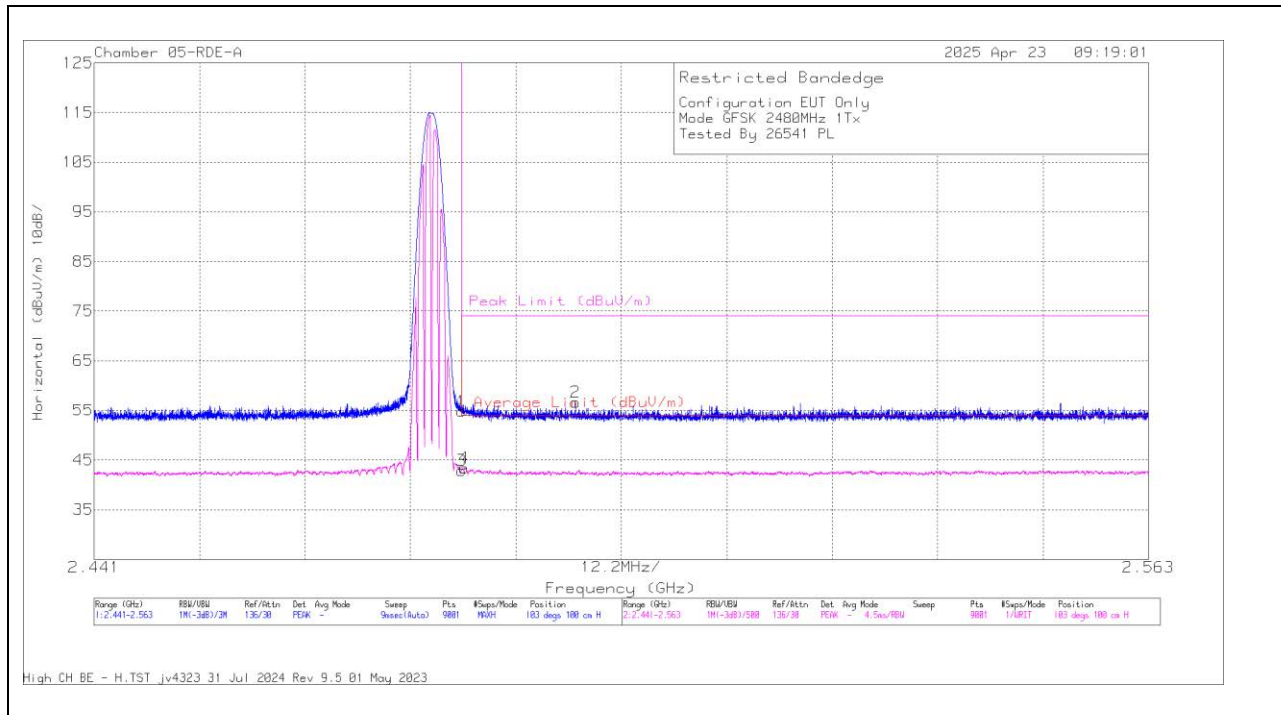
Range (GHz)	RBW/VBW	Ref/Att	Det	Avg Mode	Sweep	Pls	#Seps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Att	Det	Avg Mode	Sweep	Pls	#Seps/Mode	Position
1.231-2.441	10/-30dB/30	1.50/0	PKA		Green/Blue	900	1000	2.31-2.441	10/-30dB/30	1.50/0	PKA		4.000/100	900	1000	2.31-2.441	

Low CH BE - U.TST_jv4323 31 Jul 2024 Rev 9.5 01 May 2023

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 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	60.37	Pk	32.1	-39.5	52.97	-	-	74	-21.03	243	380	V
2	* 2.383784	62.81	Pk	32.1	-39.42	55.49	-	-	74	-18.51	243	380	V
3	* 2.39	48.27	VA1T	32.1	-39.5	40.87	54	-13.13	-	-	243	380	V
4	* 2.387161	48.46	VA1T	32.1	-39.4	41.16	54	-12.84	-	-	243	380	V

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

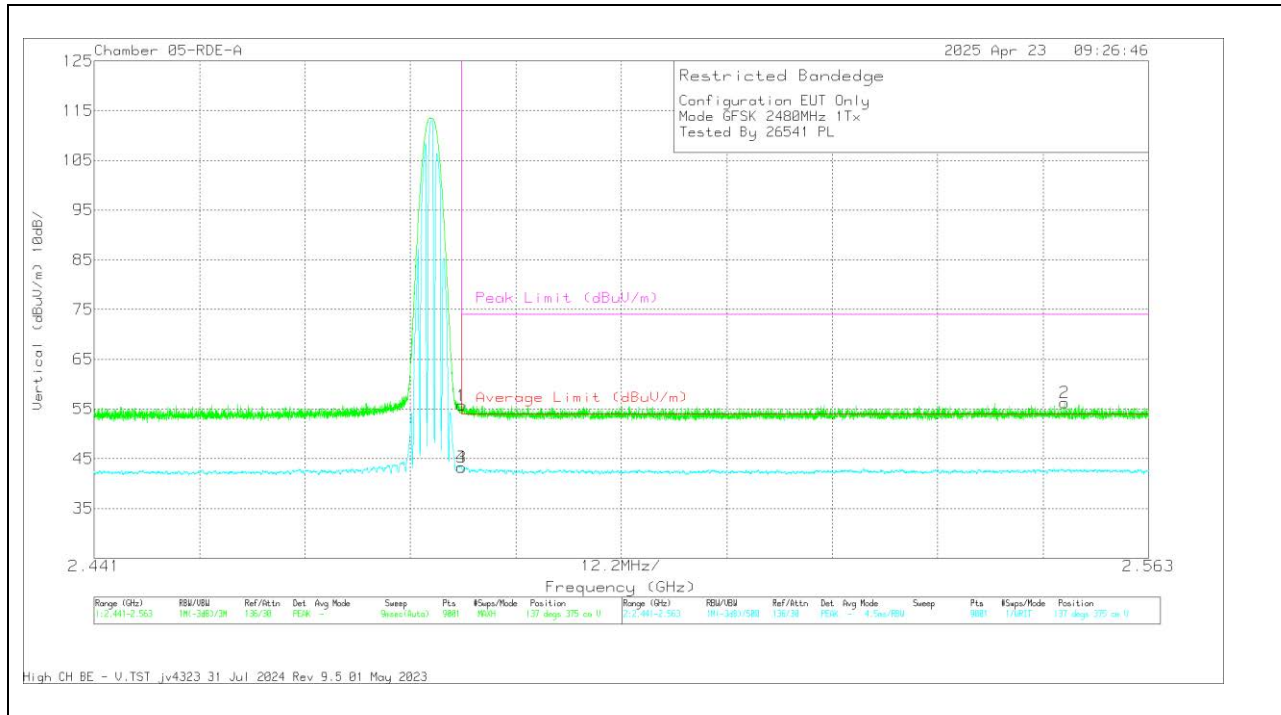
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.81	Pk	32.4	-39.4	54.81	-	-	74	-19.19	103	100	H
2	* 2.496715	63.67	Pk	32.4	-39.47	56.6	-	-	74	-17.4	103	100	H
3	* 2.4835	49.86	VA1T	32.4	-39.4	42.86	54	-11.14	-	-	103	100	H
4	* 2.483837	50.44	VA1T	32.4	-39.4	43.44	54	-10.56	-	-	103	100	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

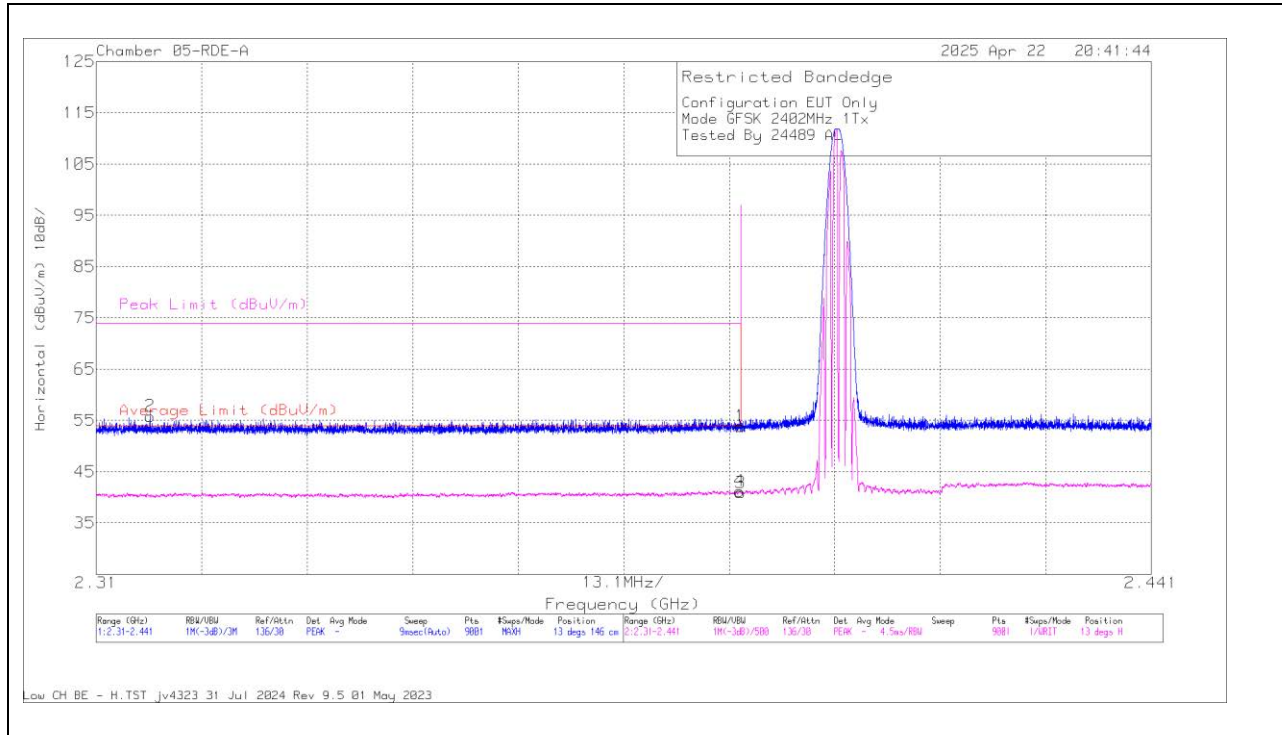


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62.69	Pk	32.4	-39.4	55.69	-	-	74	-18.31	137	375	V
2	2.553284	63.08	Pk	32.5	-39.3	56.28	-	-	74	-17.72	137	375	V
3	* 2.4835	50.28	VA1T	32.4	-39.4	43.28	54	-10.72	-	-	137	375	V
4	* 2.483512	50.25	VA1T	32.4	-39.4	43.25	54	-10.75	-	-	137	375	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**

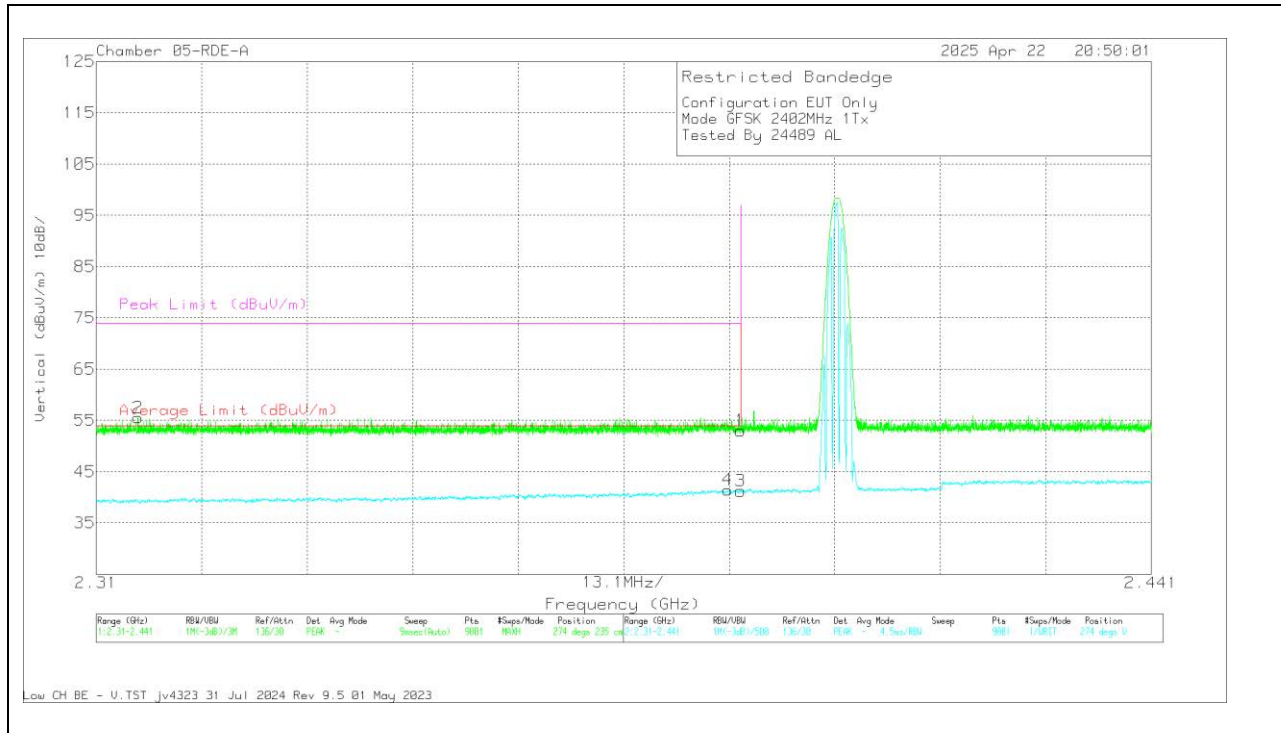
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.27	PK	32.1	-39.5	53.87	-	-	74	-20.13	13	146	H
2	* 2.316696	63.61	PK	31.9	-39.7	55.81	-	-	74	-18.19	13	146	H
3	* 2.39	48.3	VA1T	32.1	-39.5	40.9	54	-13.1	-	-	13	146	H
4	* 2.389883	48.62	VA1T	32.1	-39.5	41.22	54	-12.78	-	-	13	146	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

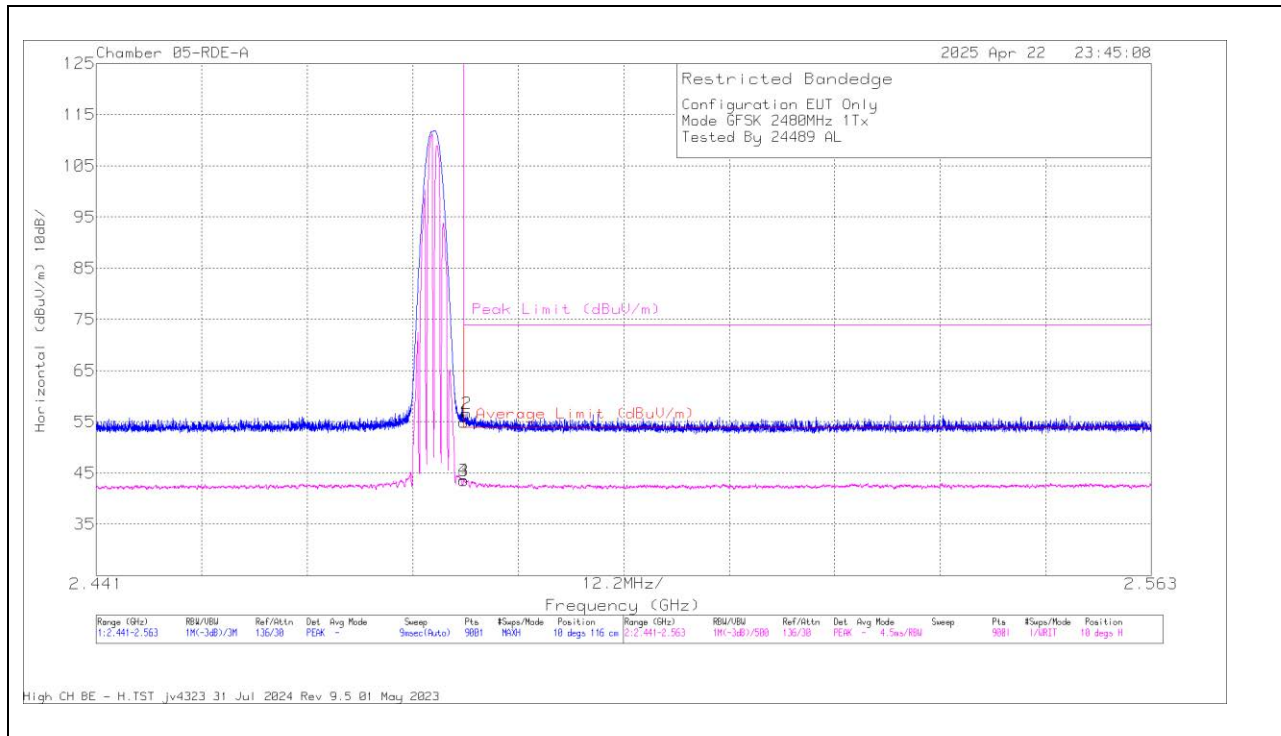


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.43	Pk	32.1	-39.5	53.03	-	-	74	-20.97	274	235	V
2	* 2.315182	63.31	Pk	31.9	-39.7	55.51	-	-	74	-18.49	274	235	V
3	* 2.39	48.65	VA1T	32.1	-39.5	41.25	54	-12.75	-	-	274	235	V
4	* 2.388413	48.79	VA1T	32.1	-39.44	41.45	54	-12.55	-	-	274	235	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**

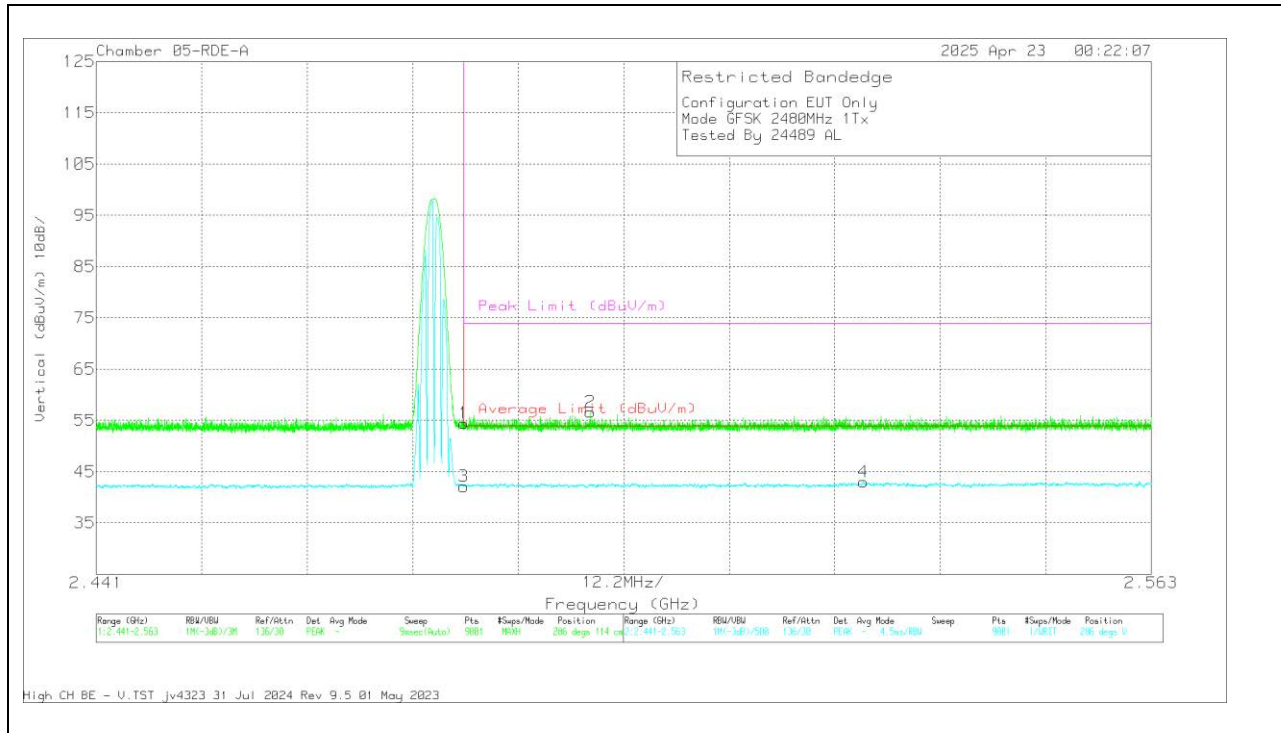
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.89	PK	32.4	-39.4	54.89	-	-	74	-19.11	10	116	H
2	* 2.483878	63.62	PK	32.4	-39.4	56.62	-	-	74	-17.38	10	116	H
3	* 2.4835	50.5	VA1T	32.4	-39.4	43.5	54	-10.5	-	-	10	116	H
4	* 2.483512	50.57	VA1T	32.4	-39.4	43.57	54	-10.43	-	-	10	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	80403 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	61.43	Pk	32.4	-39.4	54.43	-	-	74	-19.57	286	114	V
2	* 2.498139	63.61	Pk	32.4	-39.4	56.61	-	-	74	-17.39	286	114	V
3	* 2.4835	49.1	VA1T	32.4	-39.4	42.1	54	-11.9	-	-	286	114	V
4	2.529697	49.83	VA1T	32.5	-39.33	43	54	-11	-	-	286	114	V

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

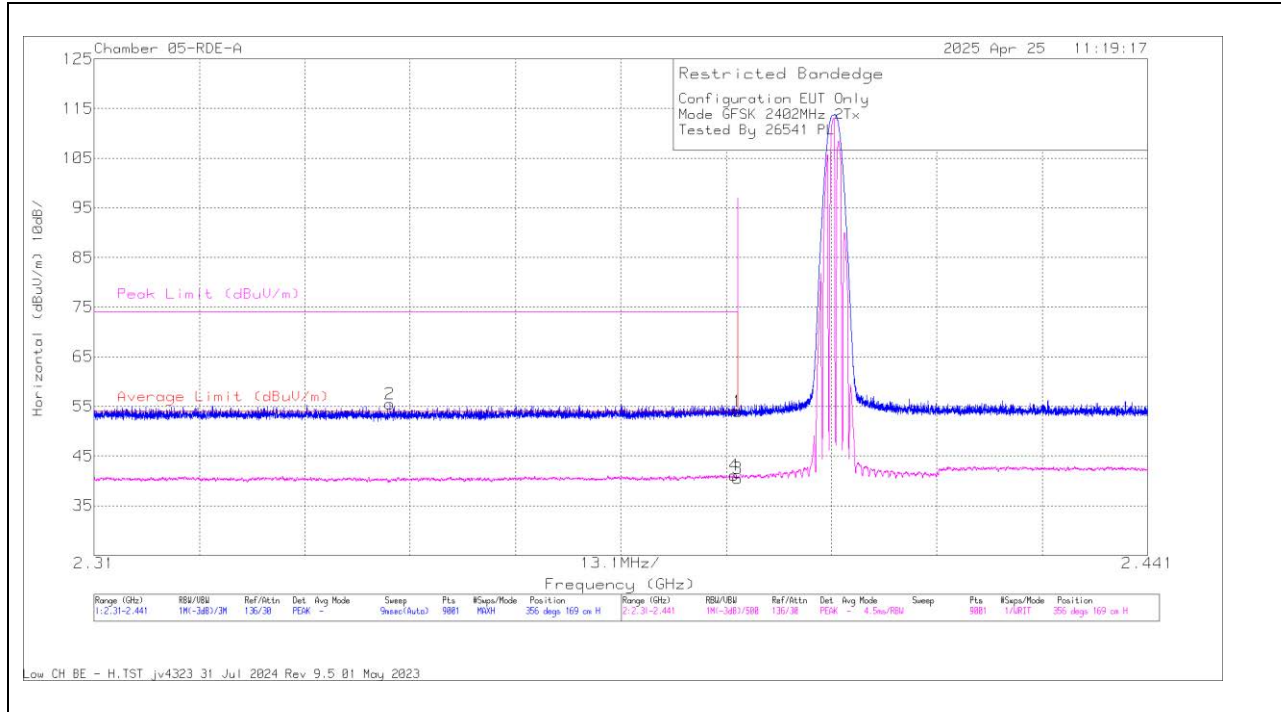
Pk - Peak detector

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

10.1.2. HIGH POWER BASIC DATA RATE TX BF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



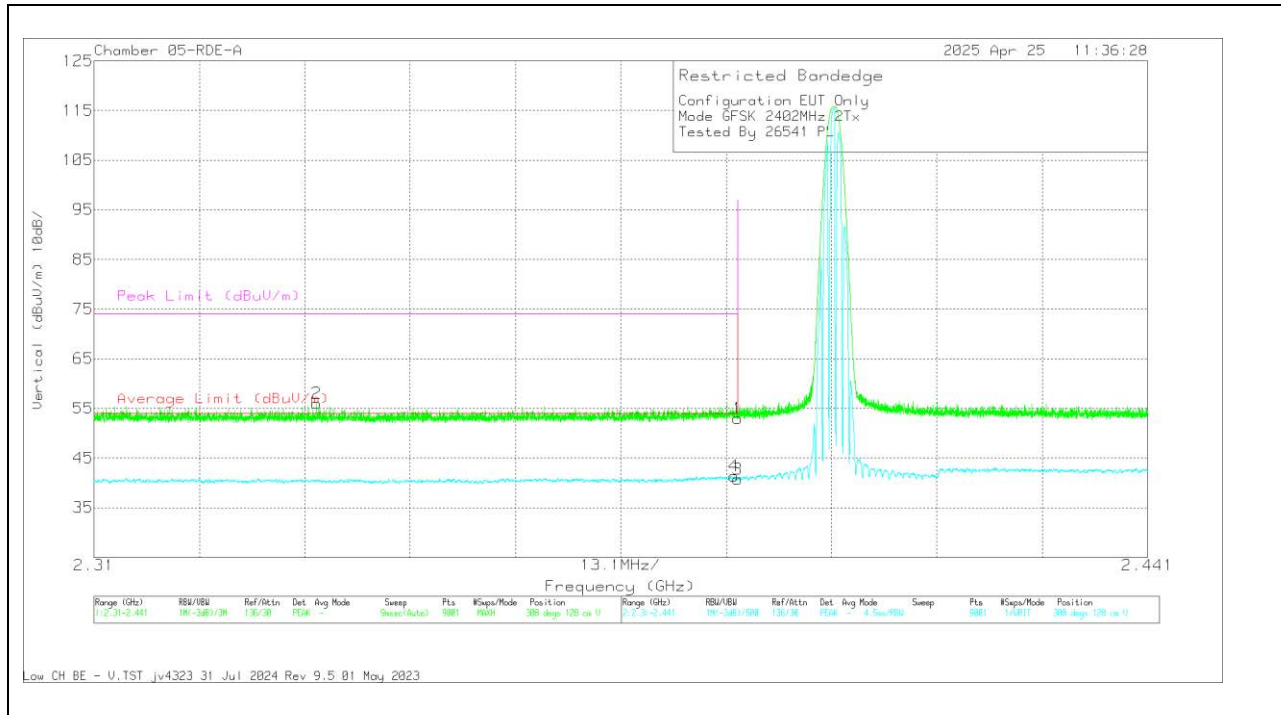
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.4	PK	32.1	-39.5	54	-	-	74	-20	356	169	H
2	* 2.346798	63.31	PK	31.9	-39.7	55.51	-	-	74	-18.49	356	169	H
3	* 2.39	47.87	VA1T	32.1	-39.5	40.47	54	-13.53	-	-	356	169	H
4	* 2.389607	48.52	VA1T	32.1	-39.5	41.12	54	-12.88	-	-	356	169	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

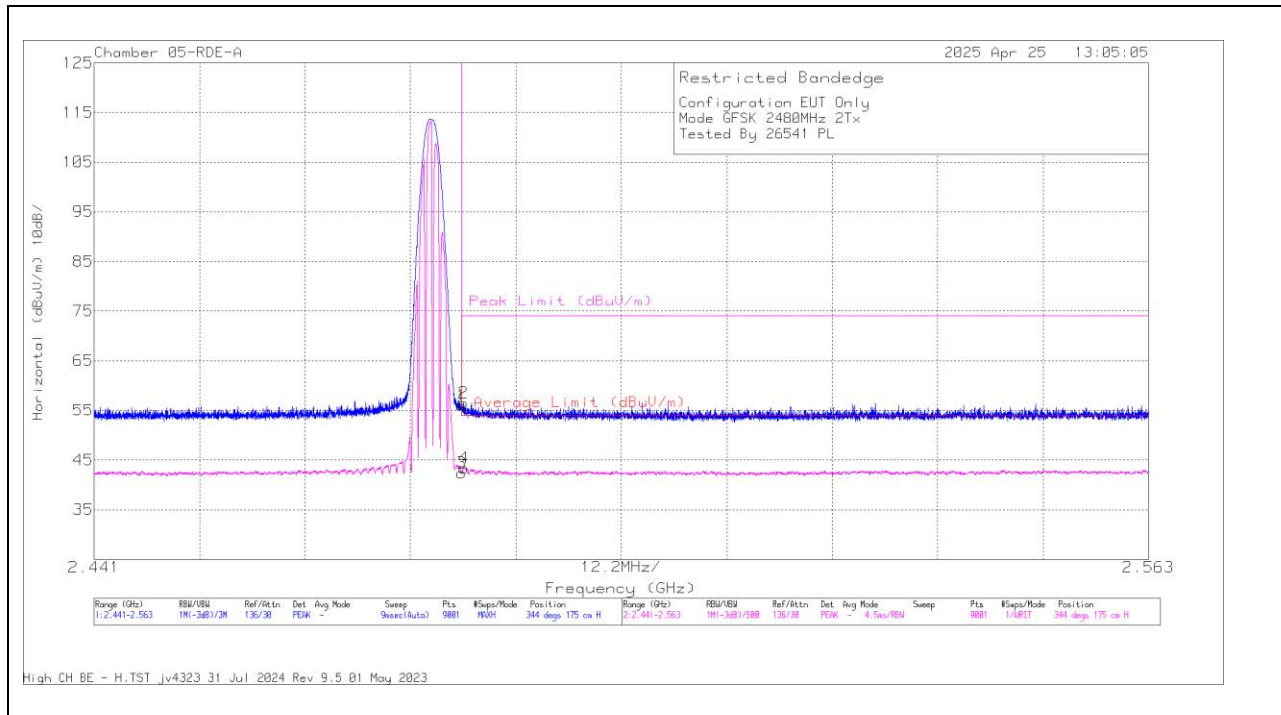


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.35	Pk	32.1	-39.5	52.95	-	-	74	-21.05	308	128	V
2	* 2.337671	63.62	Pk	31.9	-39.53	55.99	-	-	74	-18.01	308	128	V
3	* 2.39	48.11	VA1T	32.1	-39.5	40.71	54	-13.29	-	-	308	128	V
4	* 2.389578	48.74	VA1T	32.1	-39.5	41.34	54	-12.66	-	-	308	128	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**

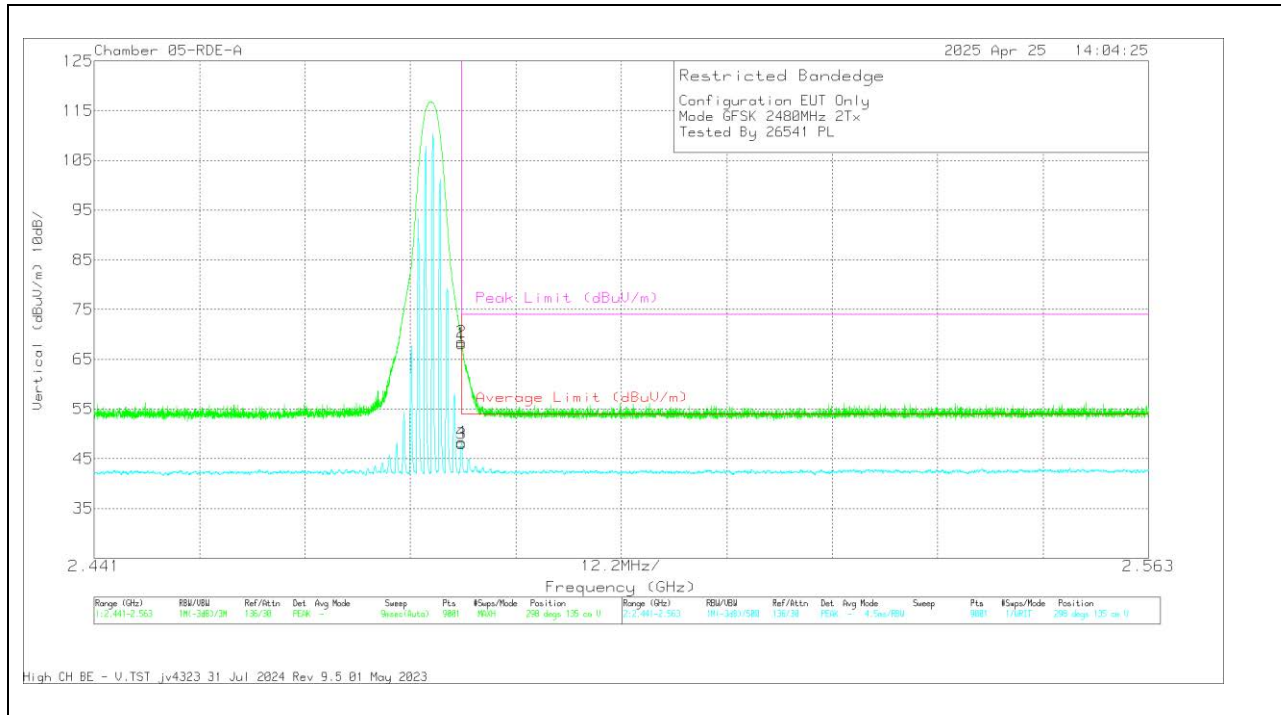
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.06	Pk	32.4	-39.4	56.06	-	-	74	-17.94	344	175	H
2	* 2.483729	63.54	Pk	32.4	-39.4	56.54	-	-	74	-17.46	344	175	H
3	* 2.4835	49.37	VA1T	32.4	-39.4	42.37	54	-11.63	-	-	344	175	H
4	* 2.48381	50.41	VA1T	32.4	-39.4	43.41	54	-10.59	-	-	344	175	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	80403 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	75.07	Pk	32.4	-39.4	68.07	-	-	74	-5.93	298	135	V
2	* 2.483525	75.47	Pk	32.4	-39.4	68.47	-	-	74	-5.53	298	135	V
3	* 2.4835	55.01	VA1T	32.4	-39.4	48.01	54	-5.99	-	-	298	135	V
4	* 2.483525	55.29	VA1T	32.4	-39.4	48.29	54	-5.71	-	-	298	135	V

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

Pk - Peak detector

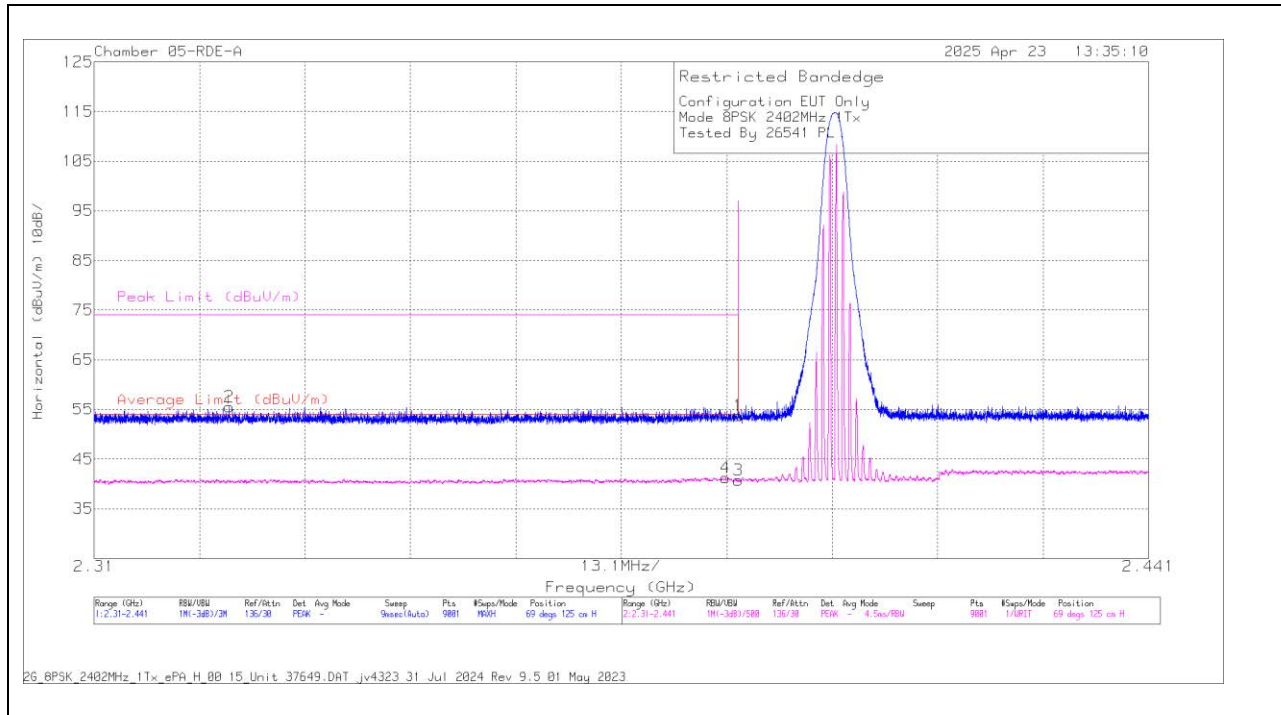
VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

10.1.3. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



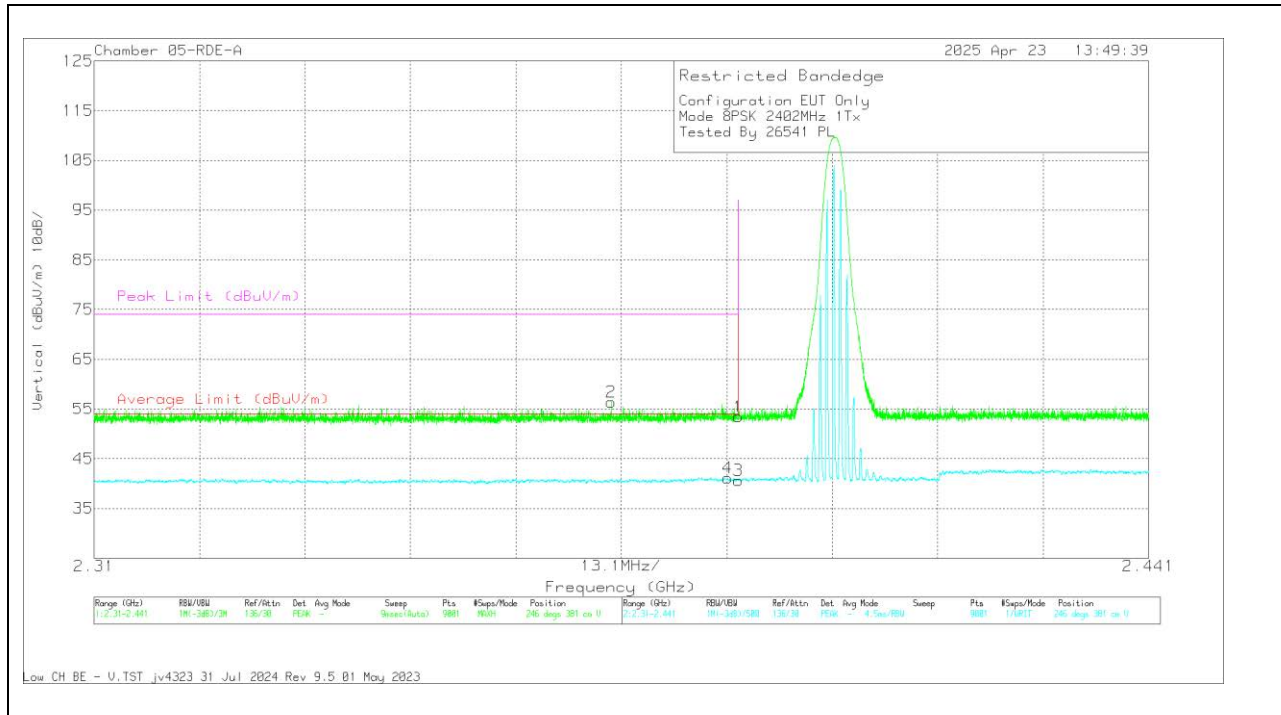
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.1	Pk	32.1	-39.5	53.7	-	-	74	-20.3	69	125	H
2	* 2.326798	63.08	Pk	31.9	-39.5	55.48	-	-	74	-18.52	69	125	H
3	* 2.39	48.11	VA1T	32.1	-39.5	40.71	54	-13.29	-	-	69	125	H
4	* 2.388442	48.58	VA1T	32.1	-39.44	41.24	54	-12.76	-	-	69	125	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

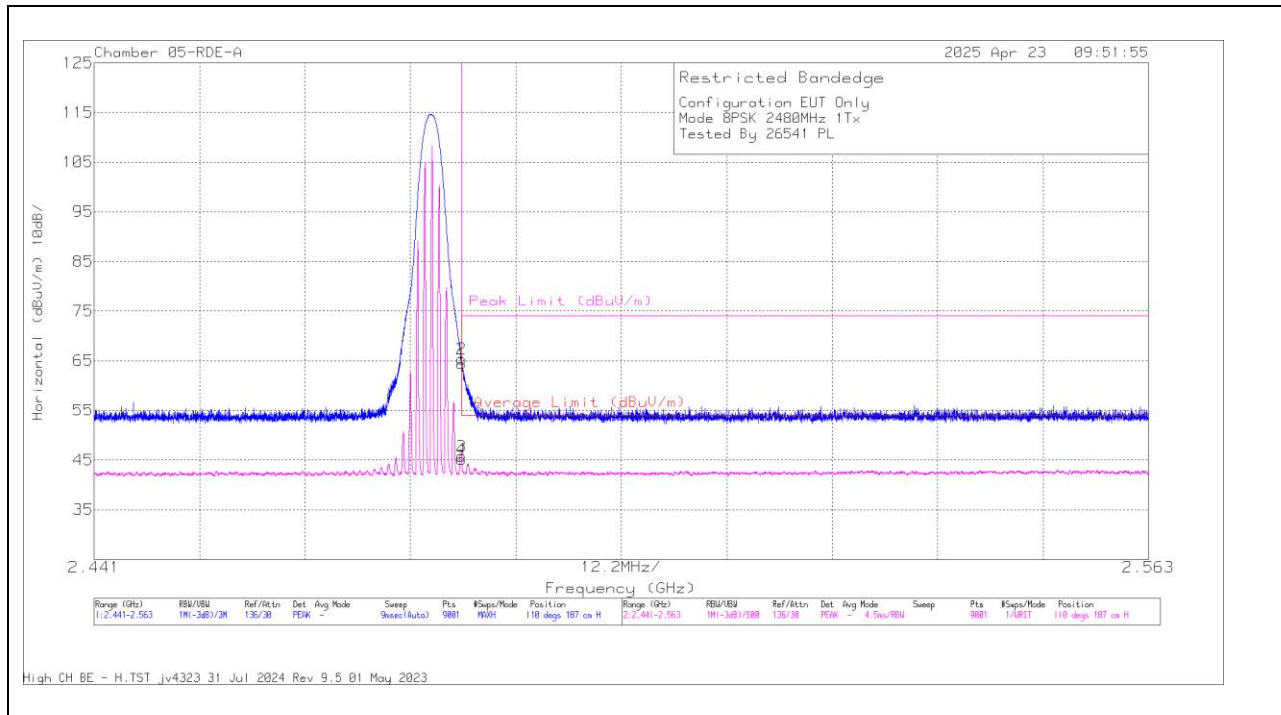


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.82	Pk	32.1	-39.5	53.42	-	-	74	-20.58	246	381	V
2	* 2.374221	63.94	Pk	32	-39.6	56.34	-	-	74	-17.66	246	381	V
3	* 2.39	48.05	VA1T	32.1	-39.5	40.65	54	-13.35	-	-	246	381	V
4	* 2.38869	48.51	VA1T	32.1	-39.47	41.14	54	-12.86	-	-	246	381	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**

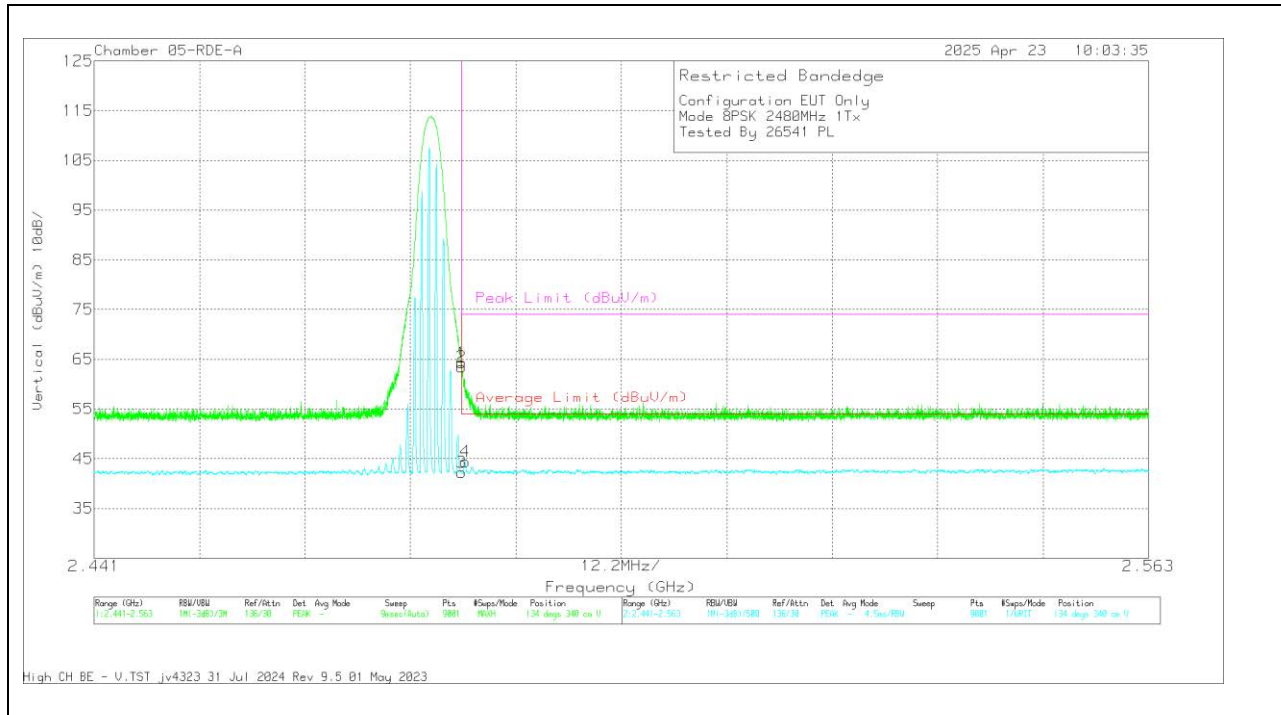
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	71.39	PK	32.4	-39.4	64.39	-	-	74	-9.61	110	187	H
2	* 2.483512	72.34	PK	32.4	-39.4	65.34	-	-	74	-8.66	110	187	H
3	* 2.4835	52.73	VA1T	32.4	-39.4	45.73	54	-8.27	-	-	110	187	H
4	* 2.483512	52.16	VA1T	32.4	-39.4	45.16	54	-8.84	-	-	110	187	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

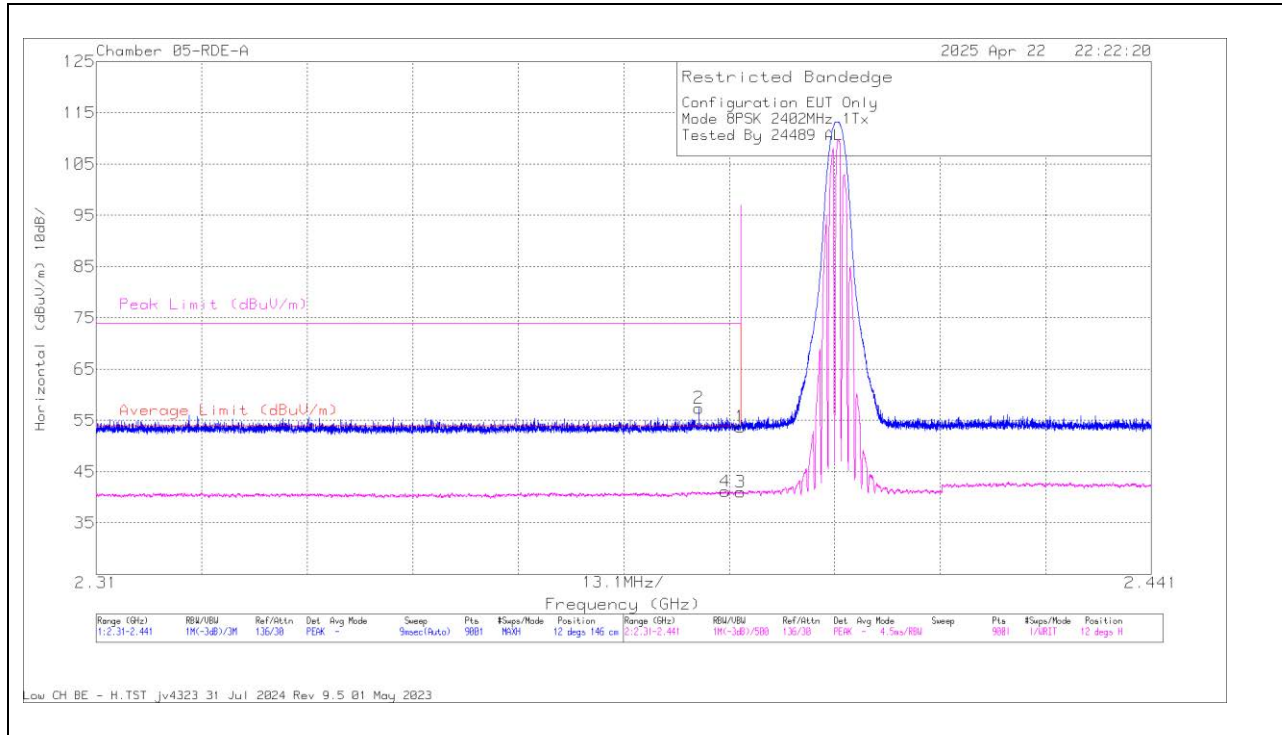


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	71.28	Pk	32.4	-39.4	64.28	-	-	74	-9.72	134	340	V
2	* 2.483525	70.45	Pk	32.4	-39.4	63.45	-	-	74	-10.55	134	340	V
3	* 2.4835	49.3	VA1T	32.4	-39.4	42.3	54	-11.7	-	-	134	340	V
4	* 2.483918	51.36	VA1T	32.4	-39.4	44.36	54	-9.64	-	-	134	340	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**

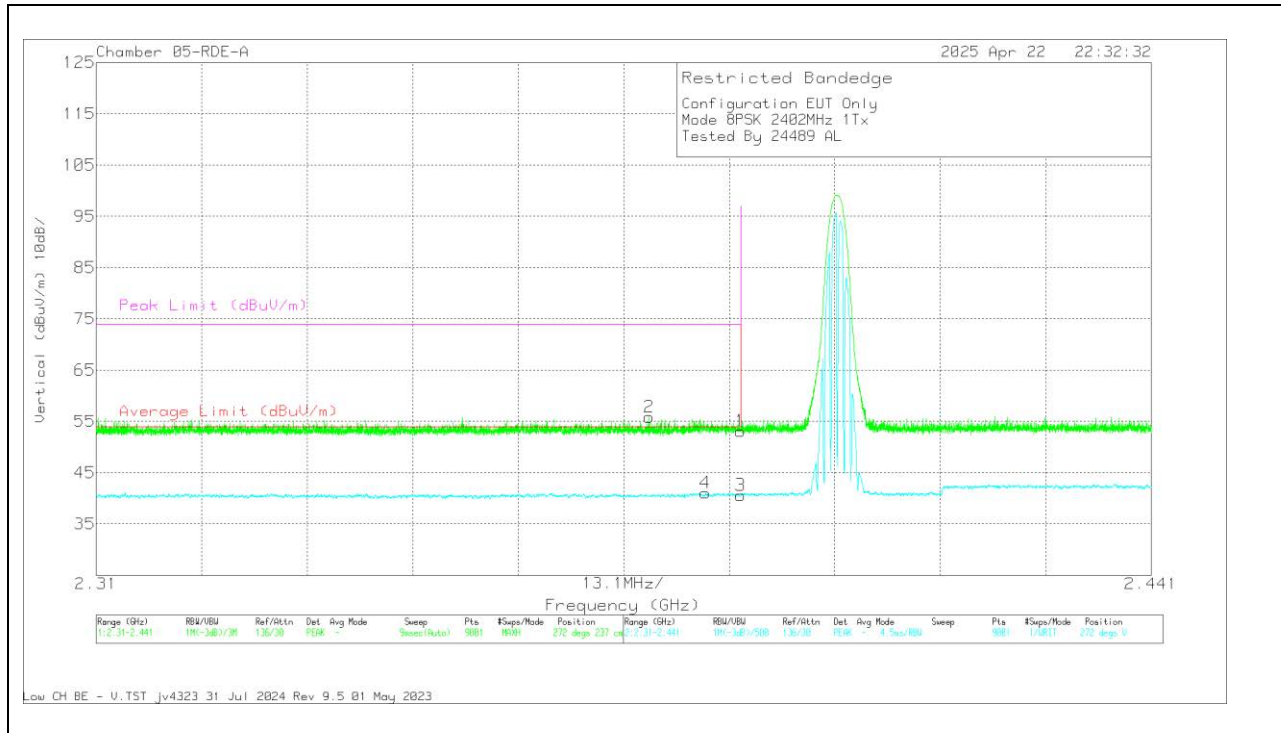
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.12	PK	32.1	-39.5	53.72	-	-	74	-20.28	12	146	H
2	* 2.384789	64.7	PK	32.1	-39.4	57.4	-	-	74	-16.6	12	146	H
3	* 2.39	48.44	VA1T	32.1	-39.5	41.04	54	-12.96	-	-	12	146	H
4	* 2.388122	48.45	VA1T	32.1	-39.41	41.14	54	-12.86	-	-	12	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

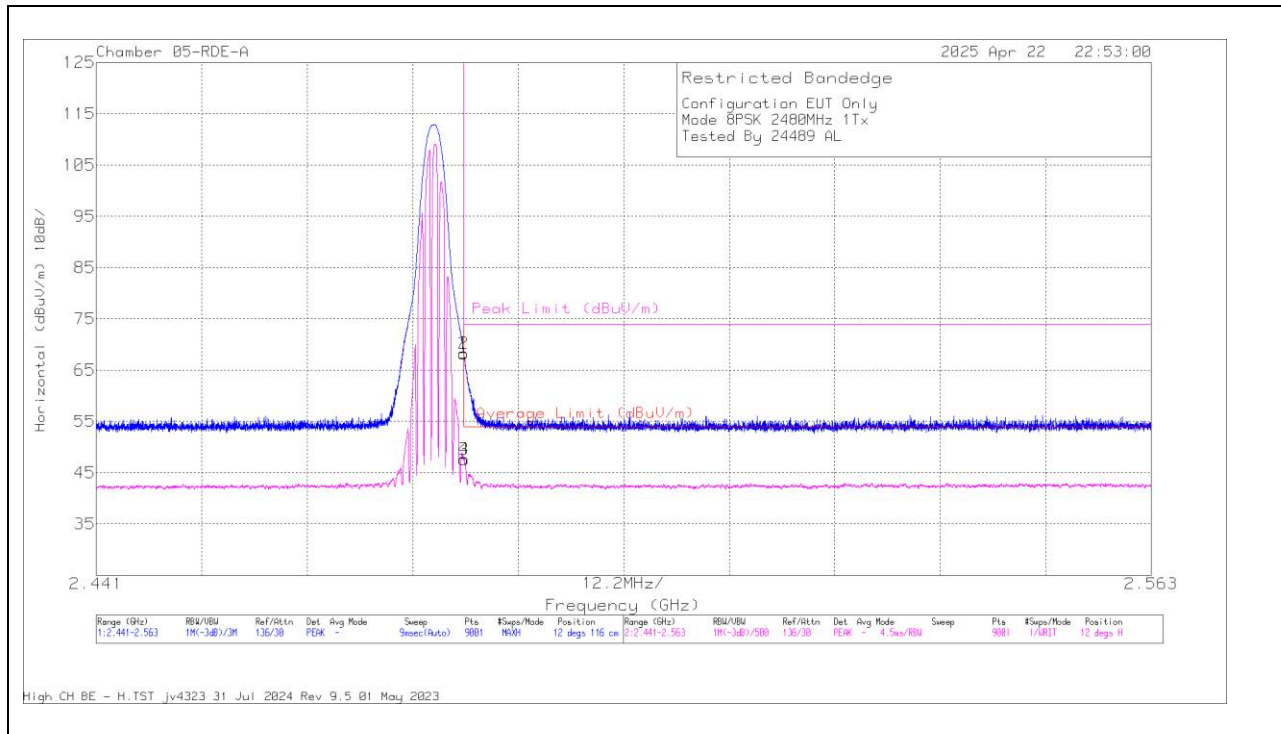


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.52	Pk	32.1	-39.5	53.12	-	-	74	-20.88	272	237	V
2	* 2.378646	63.45	Pk	32	-39.6	55.85	-	-	74	-18.15	272	237	V
3	* 2.39	47.96	VA1T	32.1	-39.5	40.56	54	-13.44	-	-	272	237	V
4	* 2.385633	48.35	VA1T	32.1	-39.4	41.05	54	-12.95	-	-	272	237	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**

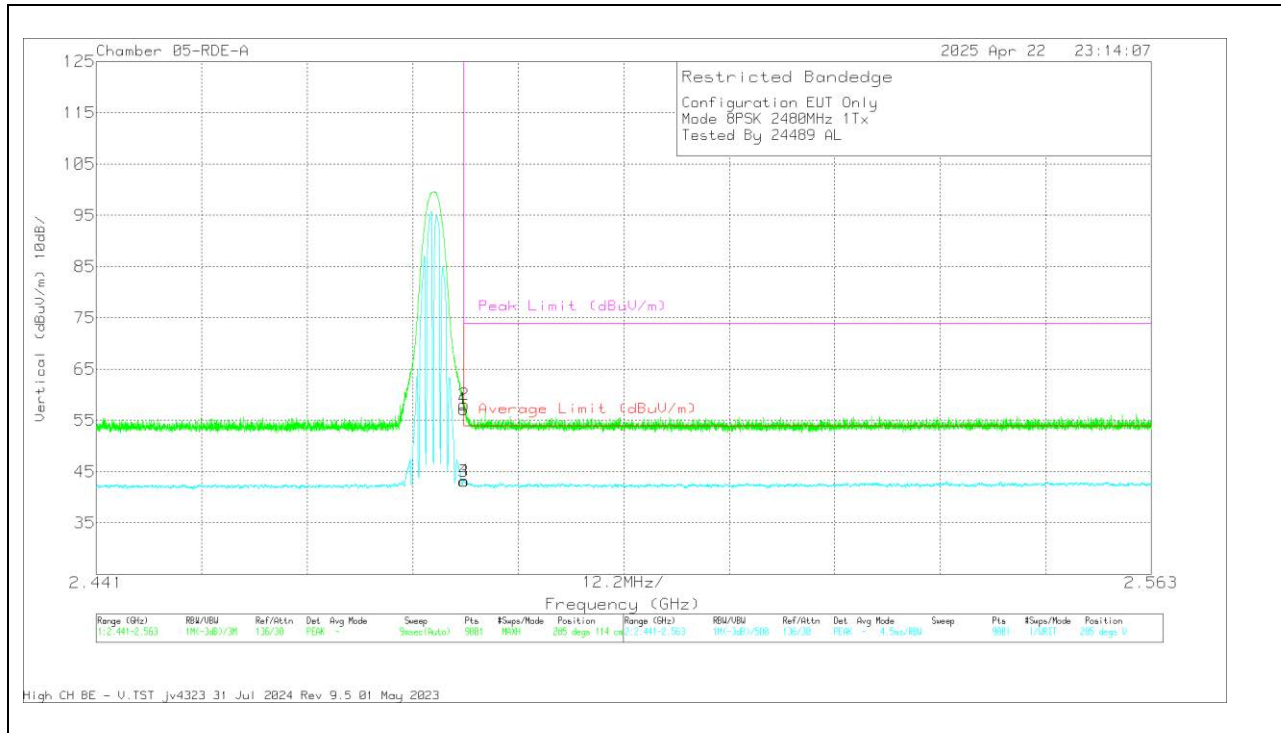
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	75.17	Pk	32.4	-39.4	68.17	-	-	74	-5.83	12	116	H
2	* 2.483512	75.27	Pk	32.4	-39.4	68.27	-	-	74	-5.73	12	116	H
3	* 2.4835	54.57	VA1T	32.4	-39.4	47.57	54	-6.43	-	-	12	116	H
4	* 2.483539	54.62	VA1T	32.4	-39.4	47.62	54	-6.38	-	-	12	116	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	80403 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	64.18	Pk	32.4	-39.4	57.18	-	-	74	-16.82	285	114	V
2	* 2.483539	65.06	Pk	32.4	-39.4	58.06	-	-	74	-15.94	285	114	V
3	* 2.4835	50.13	VA1T	32.4	-39.4	43.13	54	-10.87	-	-	285	114	V
4	* 2.483579	50.2	VA1T	32.4	-39.4	43.2	54	-10.8	-	-	285	114	V

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

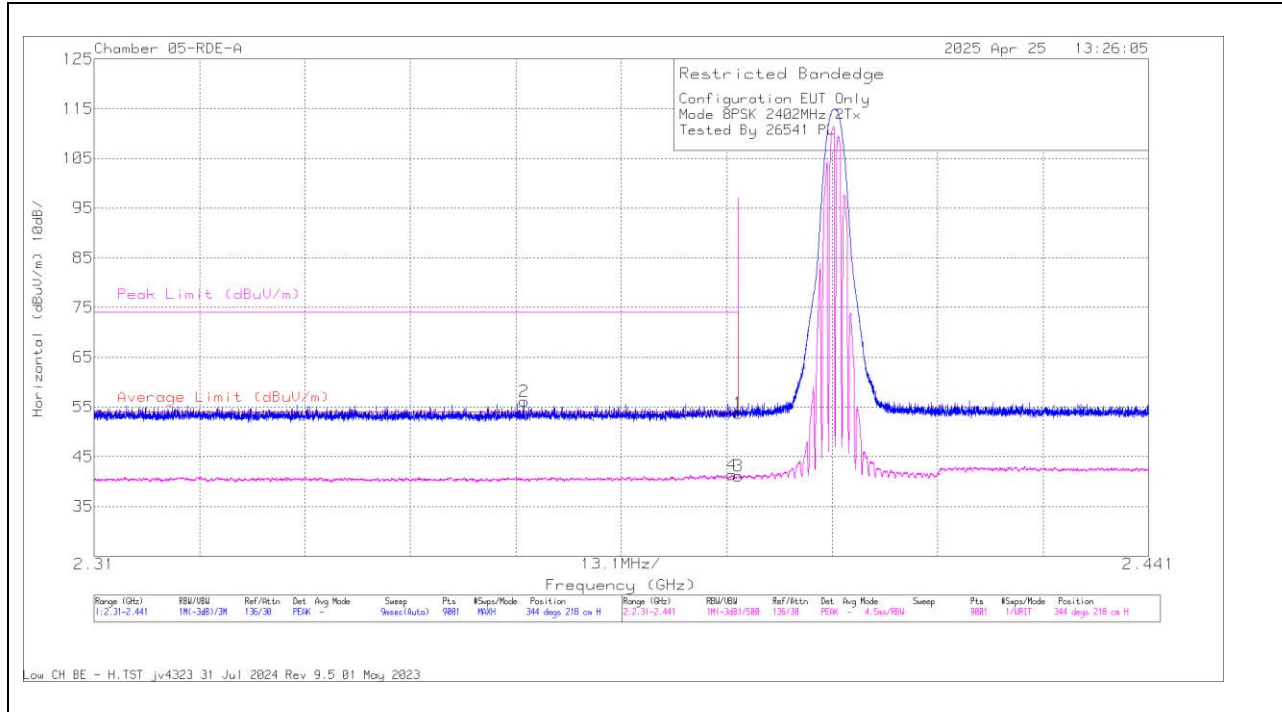
Pk - Peak detector

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



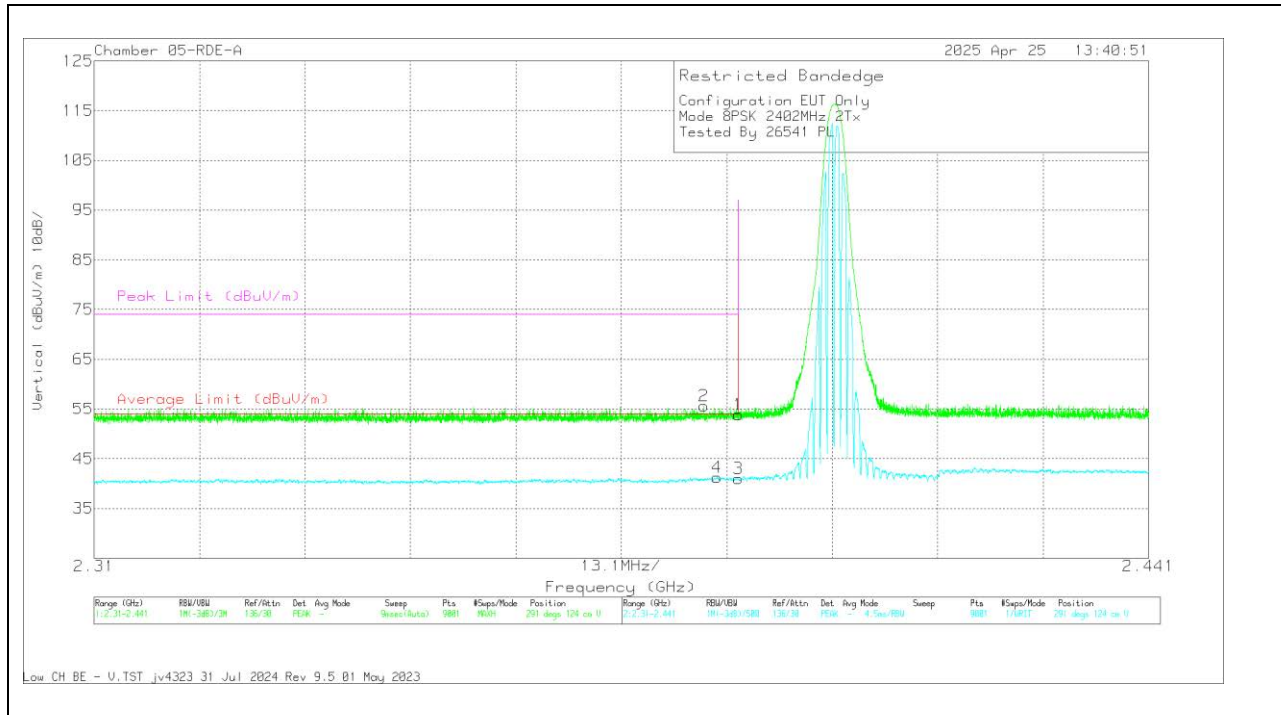
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.12	Pk	32.1	-39.5	53.72	-	-	74	-20.28	344	218	H
2	* 2.36345	63.84	Pk	32	-39.66	56.18	-	-	74	-17.82	344	218	H
3	* 2.39	48.56	VA1T	32.1	-39.5	41.16	54	-12.84	-	-	344	218	H
4	* 2.389228	48.72	VA1T	32.1	-39.5	41.32	54	-12.68	-	-	344	218	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

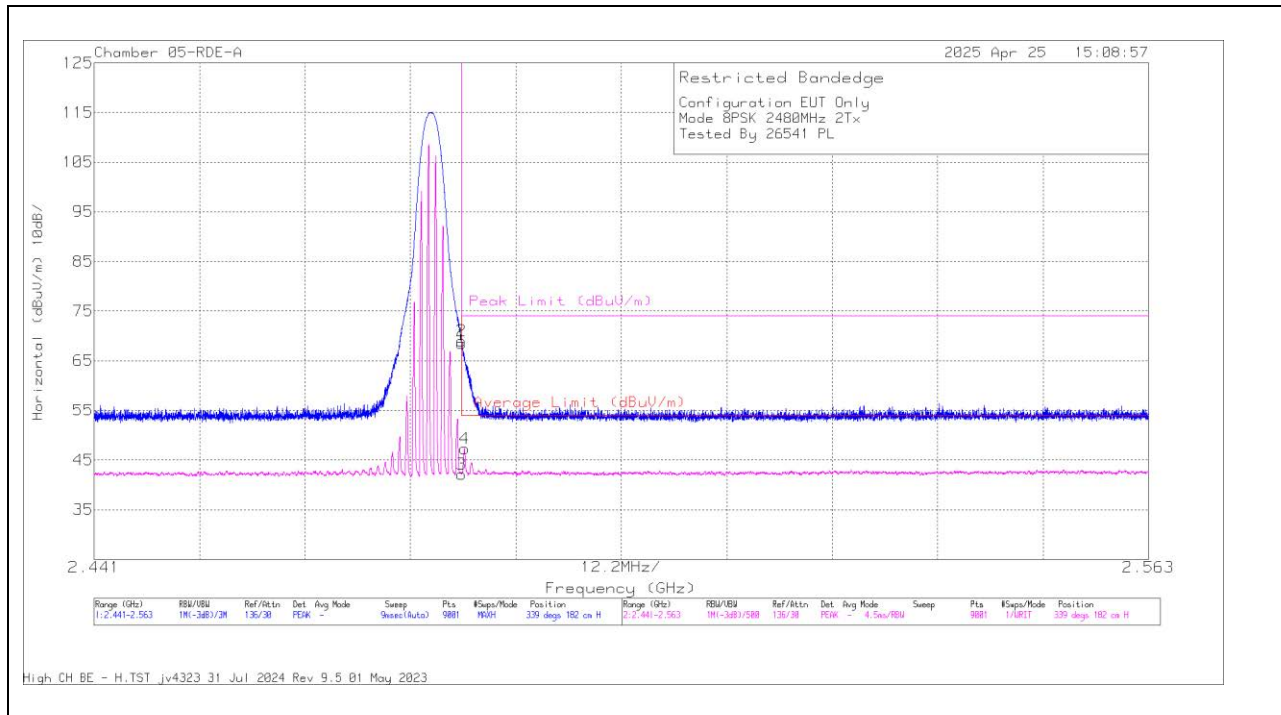


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.22	Pk	32.1	-39.5	53.82	-	-	74	-20.18	291	124	V
2	* 2.385779	62.95	Pk	32.1	-39.4	55.65	-	-	74	-18.35	291	124	V
3	* 2.39	48.35	VA1T	32.1	-39.5	40.95	54	-13.05	-	-	291	124	V
4	* 2.387423	48.58	VA1T	32.1	-39.4	41.28	54	-12.72	-	-	291	124	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**

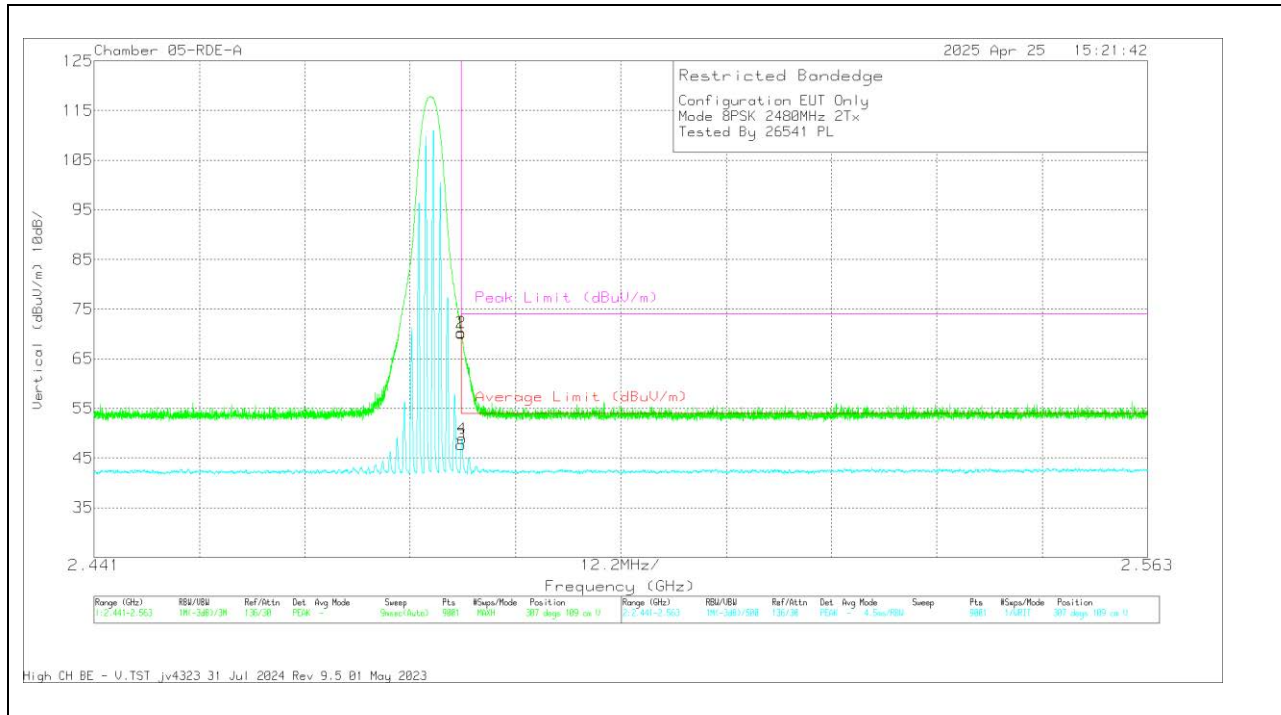
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	75.43	Pk	32.4	-39.4	68.43	-	-	74	-5.57	339	182	H
2	* 2.483512	75.99	Pk	32.4	-39.4	68.99	-	-	74	-5.01	339	182	H
3	* 2.4835	49.13	VA1T	32.4	-39.4	42.13	54	-11.87	-	-	339	182	H
4	* 2.483878	54.3	VA1T	32.4	-39.4	47.3	54	-6.7	-	-	339	182	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	80403 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	77.16	Pk	32.4	-39.4	70.16	-	-	74	-3.84	307	109	V
2	* 2.483525	77.23	Pk	32.4	-39.4	70.23	-	-	74	-3.77	307	109	V
3	* 2.4835	54.69	VA1T	32.4	-39.4	47.69	54	-6.31	-	-	307	109	V
4	* 2.48362	55.89	VA1T	32.4	-39.4	48.89	54	-5.11	-	-	307	109	V

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

Pk - Peak detector

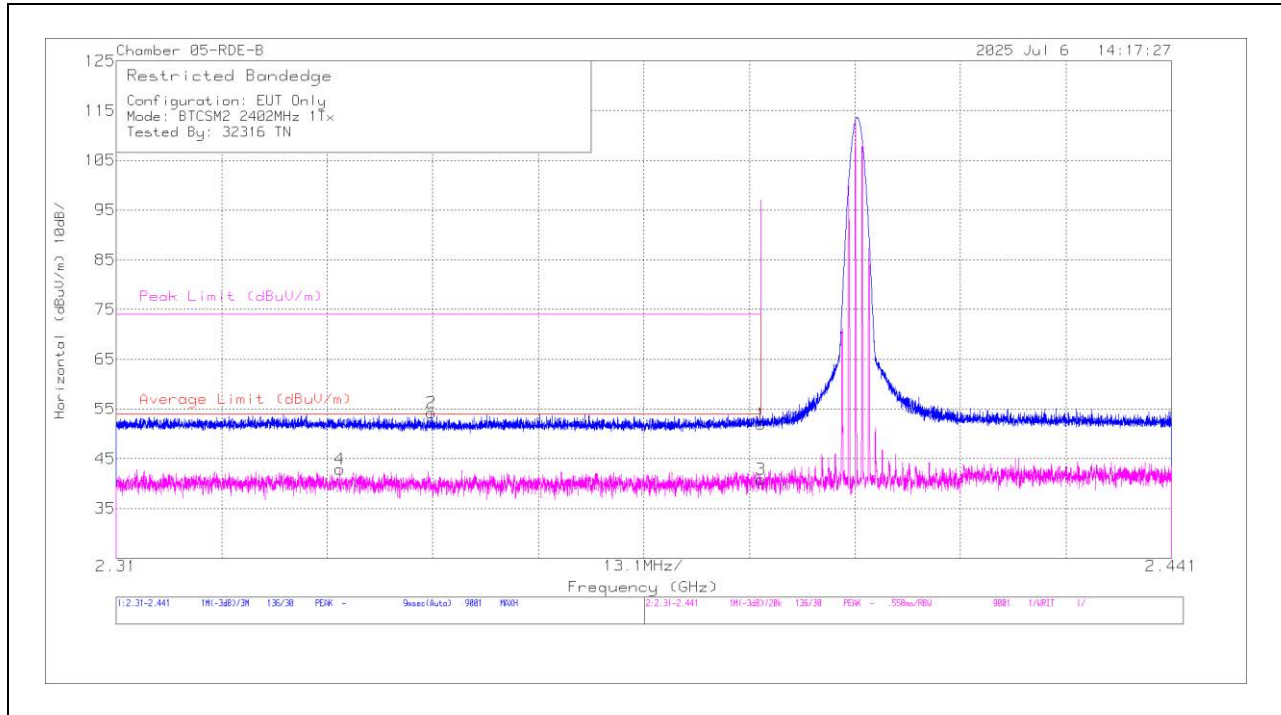
VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

10.1.5. HIGH POWER ENHANCED DATA RATE BTCSM2 MODULATION

ANT 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



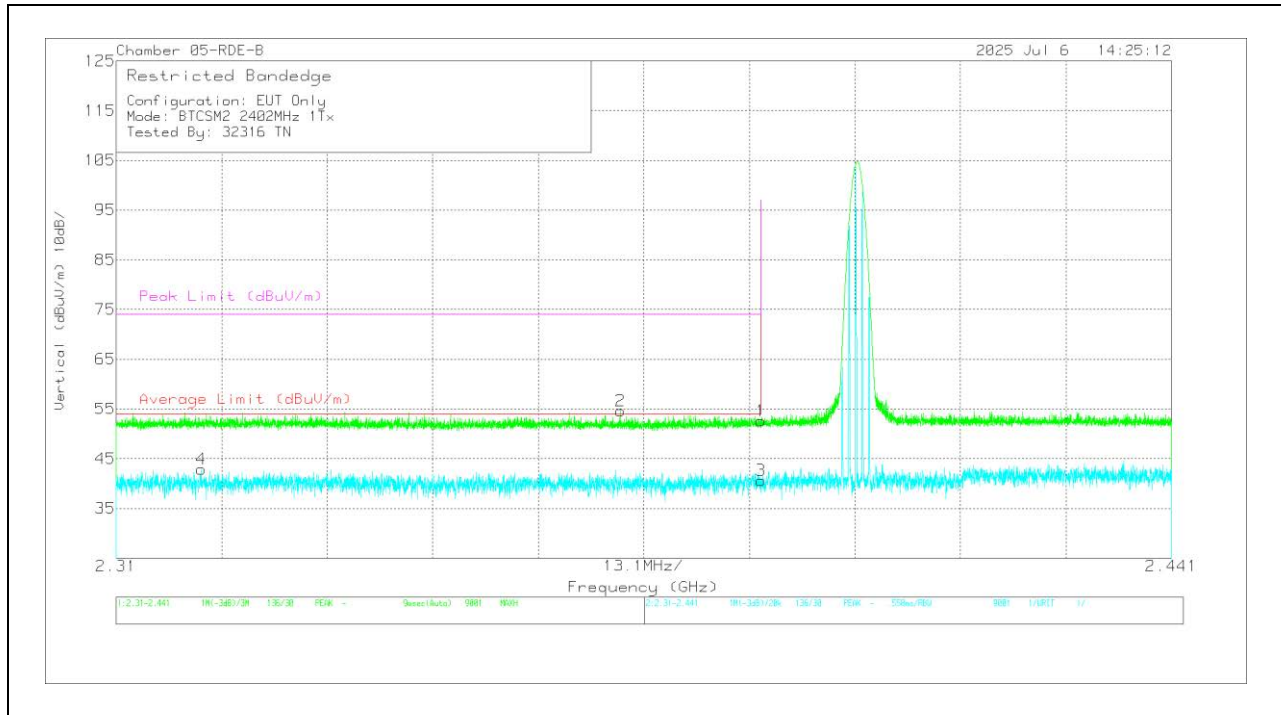
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	60.38	Pk	32	-40.39	51.99	-	-	74	-22.01	110	122	H
2	*2.349097	62.96	Pk	31.8	-40.56	54.2	-	-	74	-19.8	110	122	H
3	*2.39	49.27	VA1T	32	-40.39	40.88	54	-13.12	-	-	110	122	H
4	*2.337744	51.74	VA1T	31.8	-40.61	42.93	54	-11.07	-	-	110	122	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

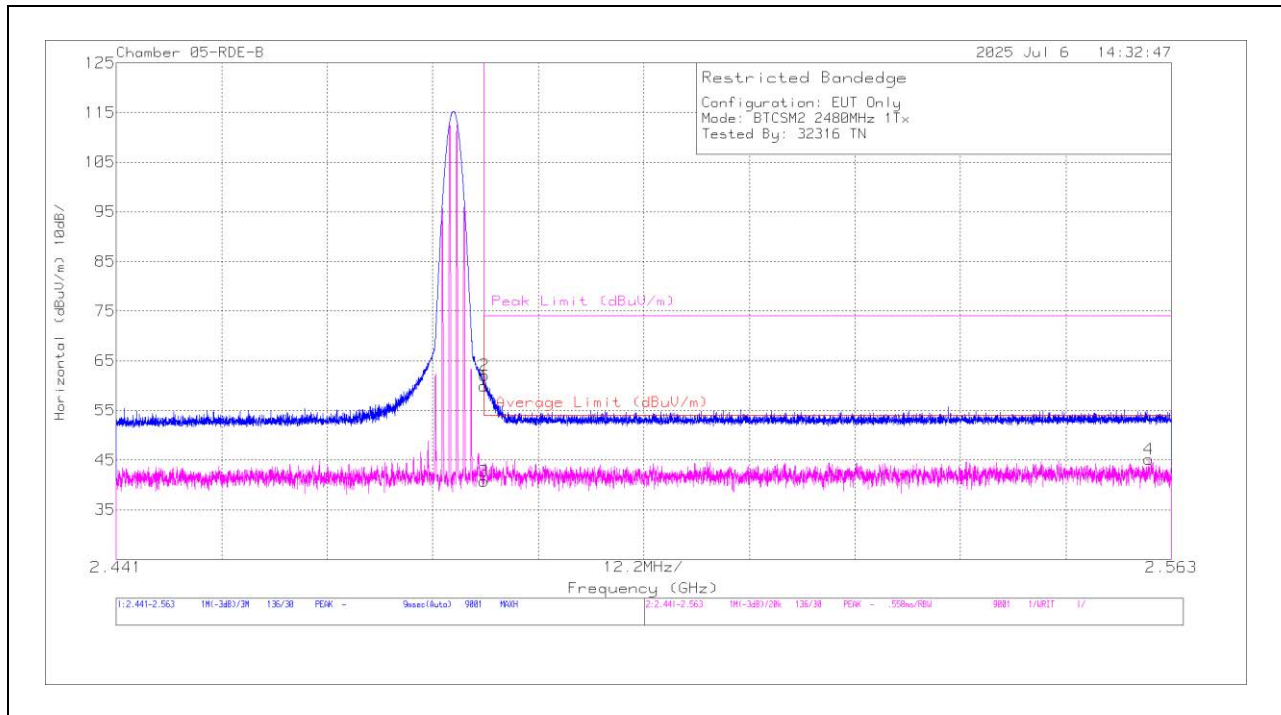


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	60.98	Pk	32	-40.39	52.59	-	-	74	-21.41	246	309	V
2	*2.372591	63.28	Pk	31.9	-40.56	54.62	-	-	74	-19.38	246	309	V
3	*2.39	48.99	VA1T	32	-40.39	40.6	54	-13.4	-	-	246	309	V
4	*2.320568	51.8	VA1T	31.7	-40.64	42.86	54	-11.14	-	-	246	309	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**

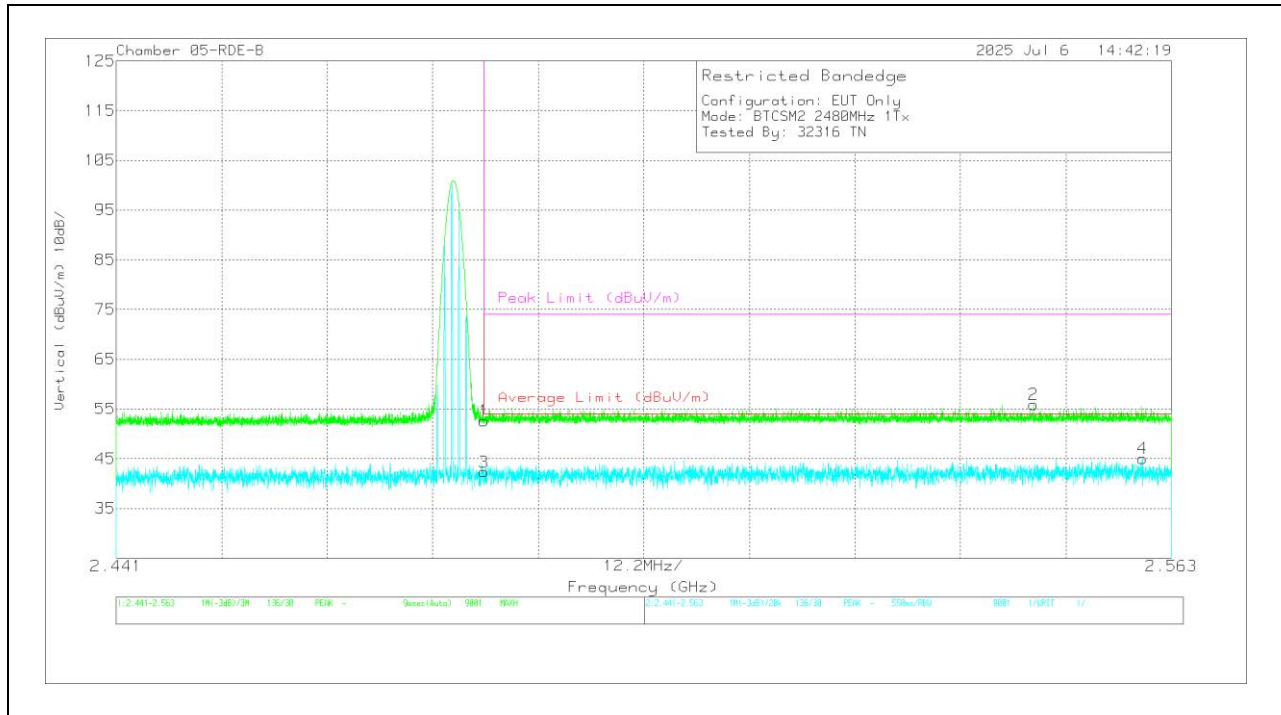
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	68.07	Pk	32.2	-40.39	59.88	-	-	74	-14.12	102	141	H
2	*2.483552	70.22	Pk	32.2	-40.38	62.04	-	-	74	-11.96	102	141	H
3	*2.4835	48.88	VA1T	32.2	-40.39	40.69	54	-13.31	-	-	102	141	H
4	*2.560374	52.93	VA1T	32.3	-40.1	45.13	54	-8.87	-	-	102	141	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

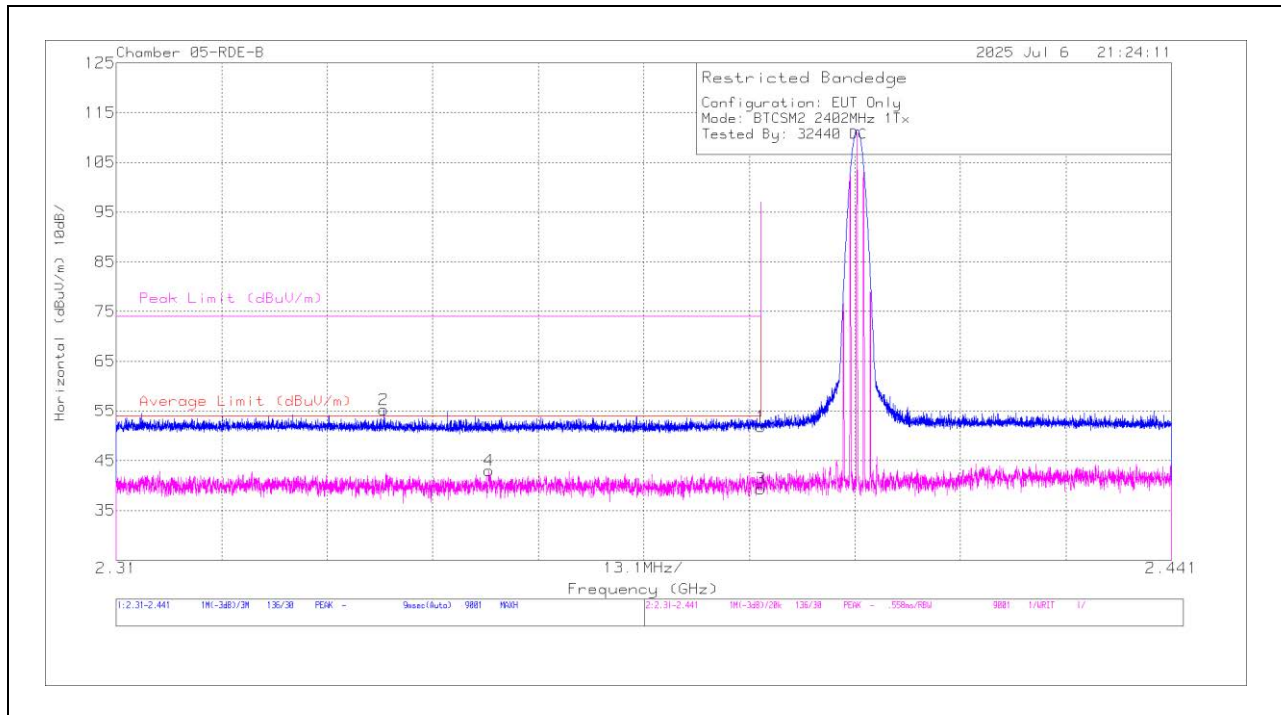


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	60.76	Pk	32.2	-40.39	52.57	-	-	74	-21.43	17	256	V
2	*2.547049	63.72	Pk	32.3	-40.12	55.9	-	-	74	-18.1	17	256	V
3	*2.4835	50.51	VA1T	32.2	-40.39	42.32	54	-11.68	-	-	17	256	V
4	*2.559629	52.83	VA1T	32.3	-40.1	45.03	54	-8.97	-	-	17	256	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**

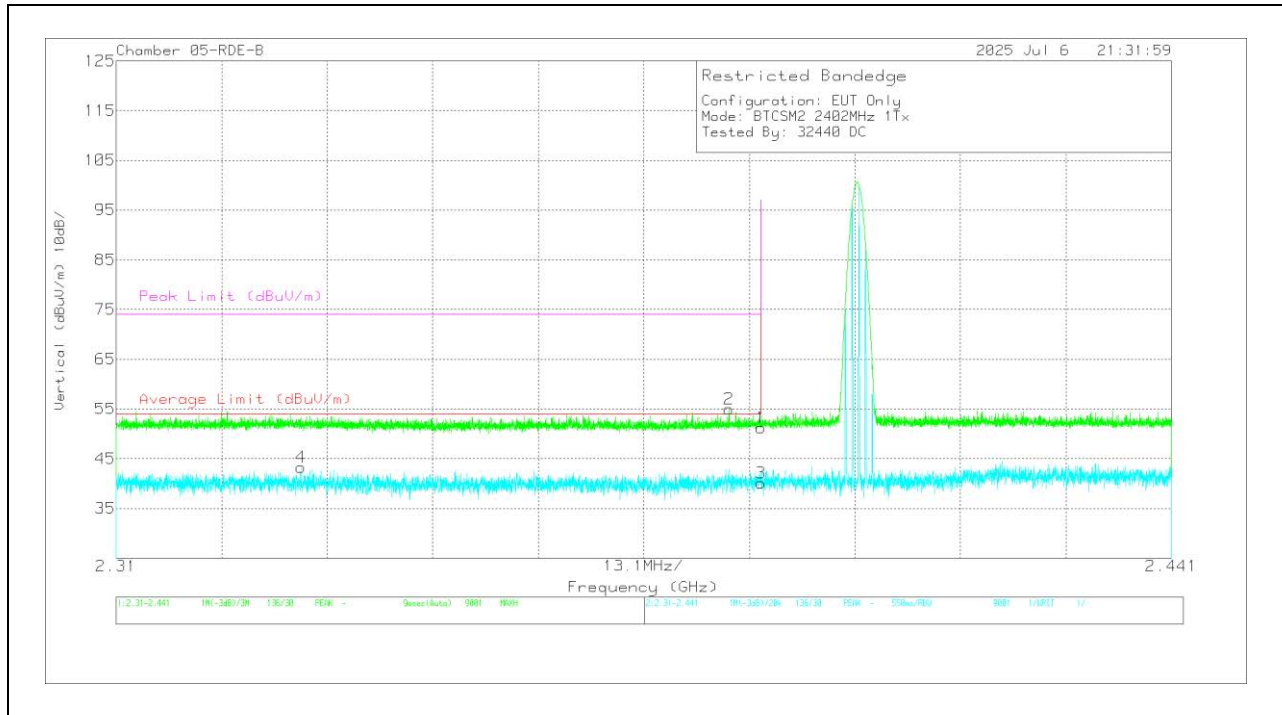
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	60.24	Pk	32	-40.39	51.85	-	-	74	-22.15	10	152	H
2	*2.343173	64.01	Pk	31.8	-40.61	55.2	-	-	74	-18.8	10	152	H
3	*2.39	47.73	VA1T	32	-40.39	39.34	54	-14.66	-	-	10	152	H
4	*2.356244	51.59	VA1T	31.9	-40.44	43.05	54	-10.95	-	-	10	152	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	226672 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	59.65	Pk	32	-40.39	51.26	-	-	74	-22.74	160	346	V
2	*2.386084	63.43	Pk	32	-40.39	55.04	-	-	74	-18.96	160	346	V
4	*2.332911	52.01	VA1T	31.8	-40.59	43.22	54	-10.78	-	-	160	346	V
3	*2.39	48.48	VA1T	32	-40.39	40.09	54	-13.91	-	-	160	346	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