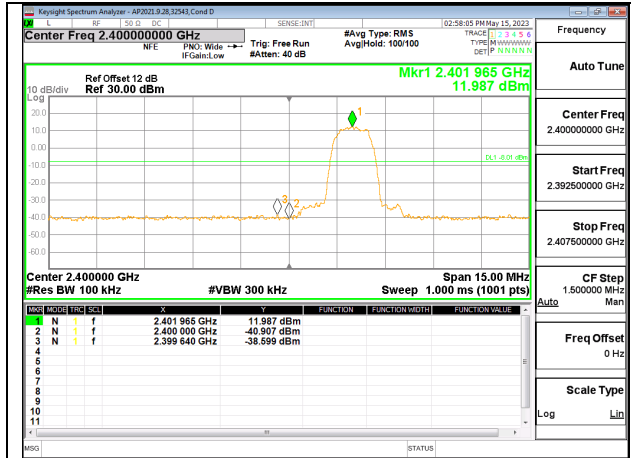
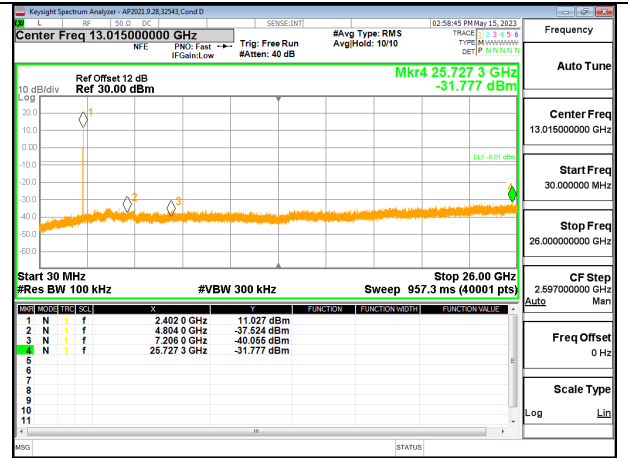


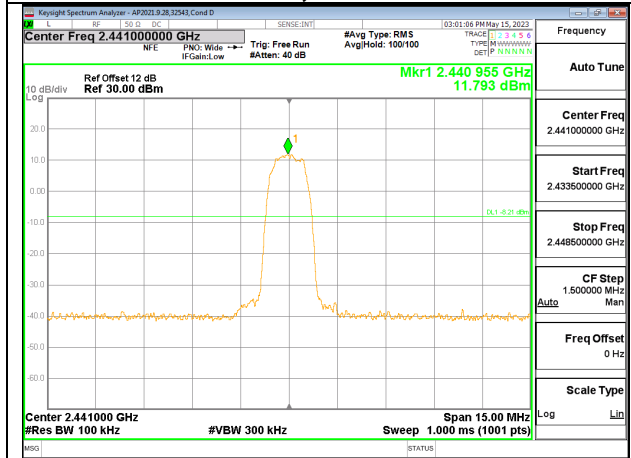
ANT 3



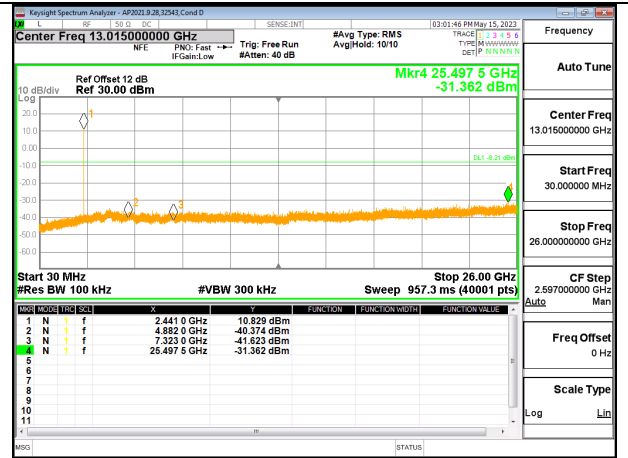
LOW CHANNEL , BANDEDGE ANT 3



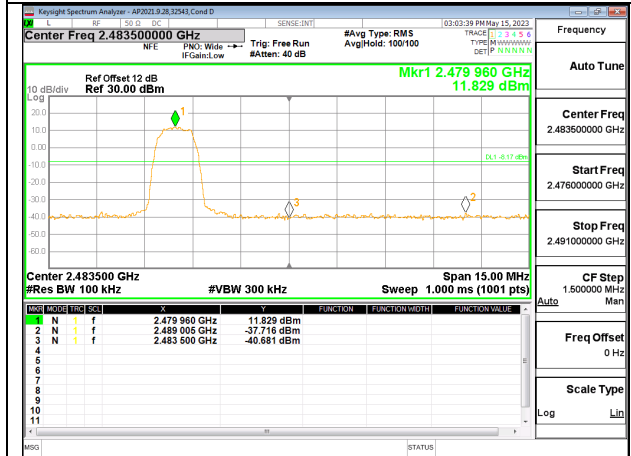
LOW CHANNEL OUT-OF-BAND ANT 3



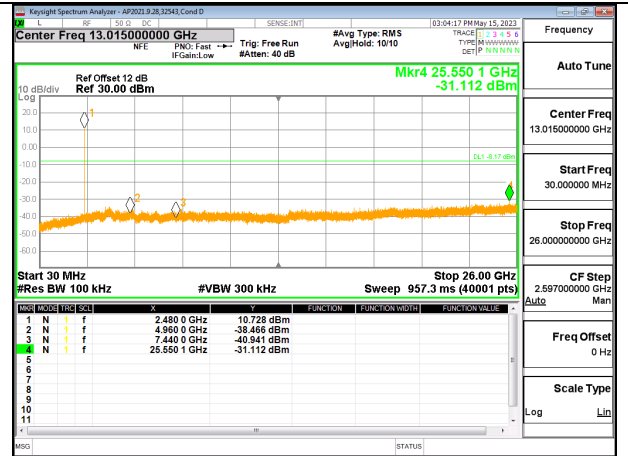
MID CHANNEL REFERENCE ANT 3



MID CHANNEL OUT-OF-BAND ANT 3

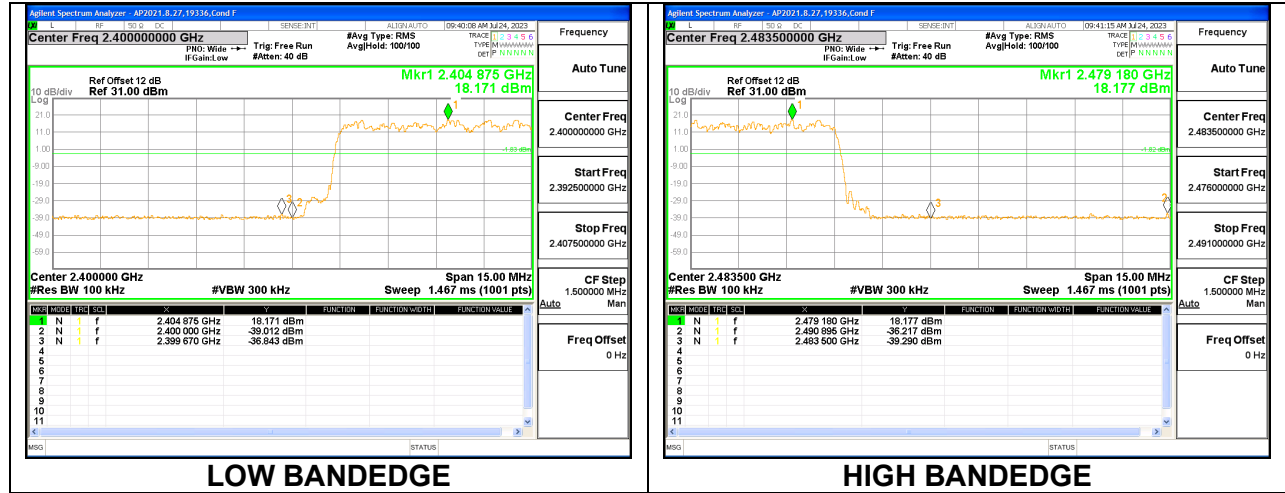


HIGH CHANNEL BANDEDGE ANT 3



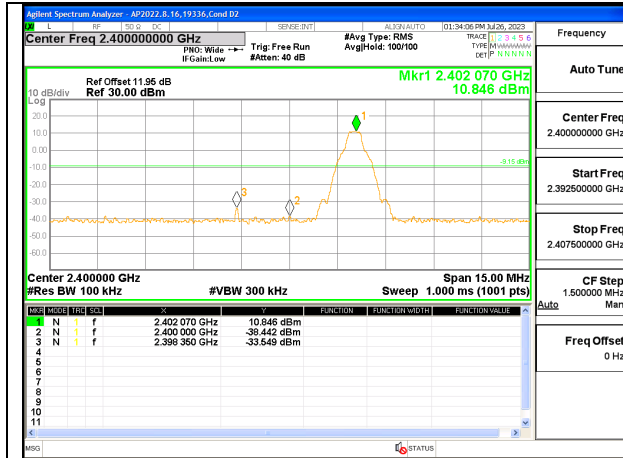
HIGH CHANNEL OUT-OF-BAND ANT 3

ANT 3 SPURIOUS BANDEGE EMISSIONS WITH HOPPING ON

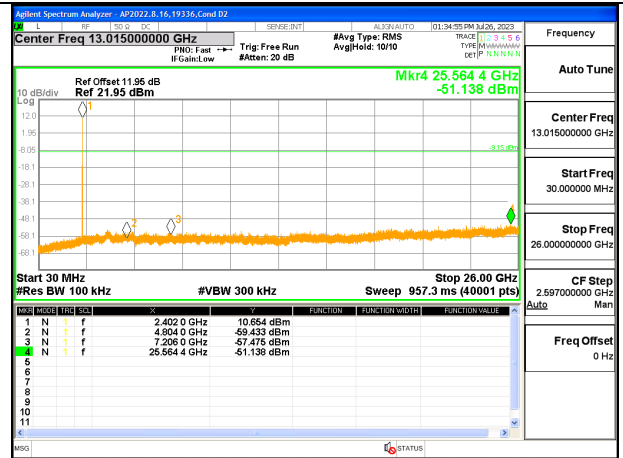


9.8.5. LOW POWER BASIC DATA RATE GFSK MODULATION

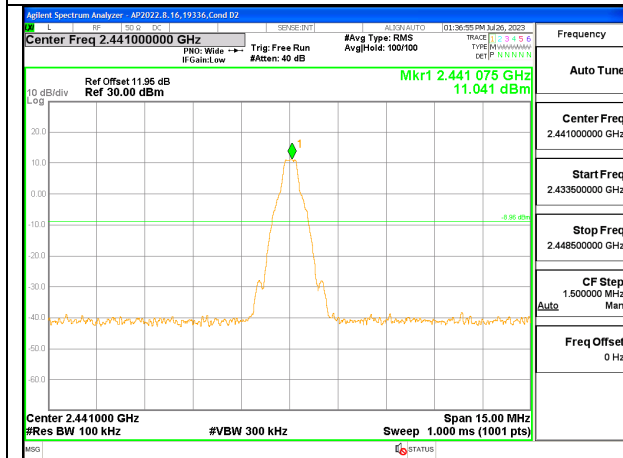
ANT 4 SPURIOUS EMISSIONS, NON-HOPPING



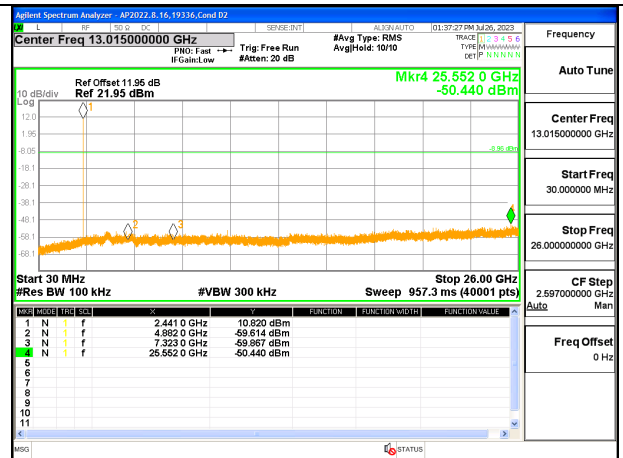
LOW CHANNEL BANDEDGE



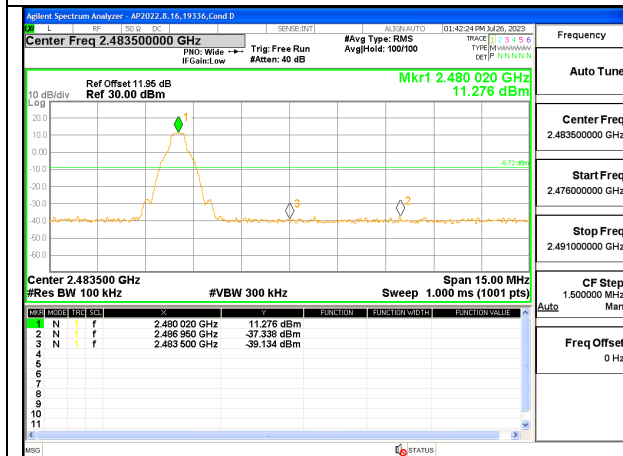
OUT-OF-BAND LOW CHANNEL



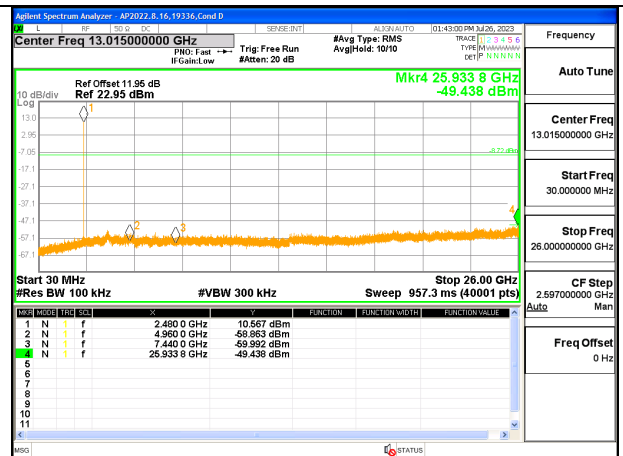
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

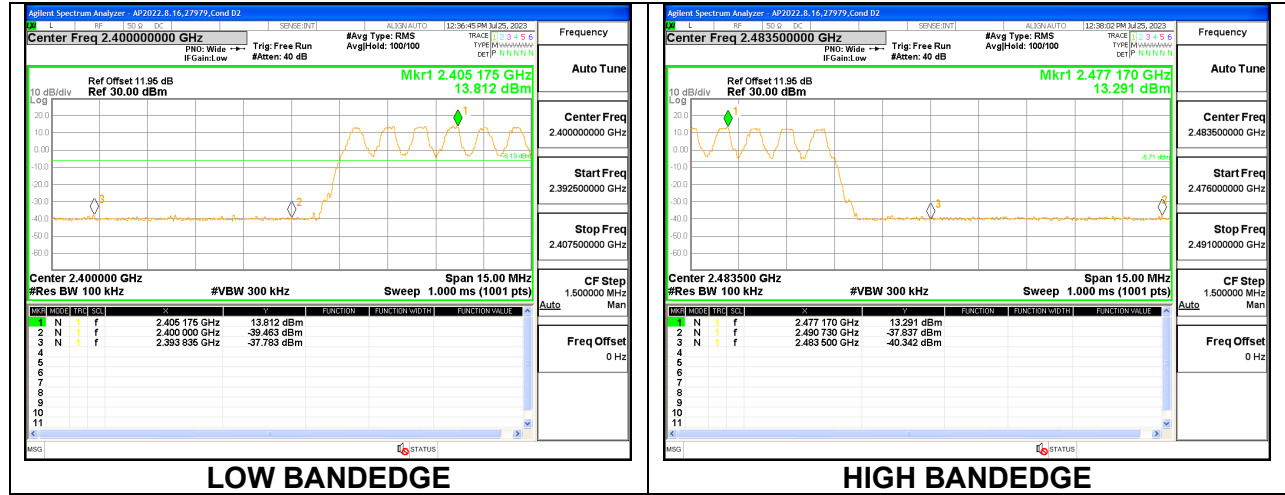


HIGH CHANNEL BANDEDGE

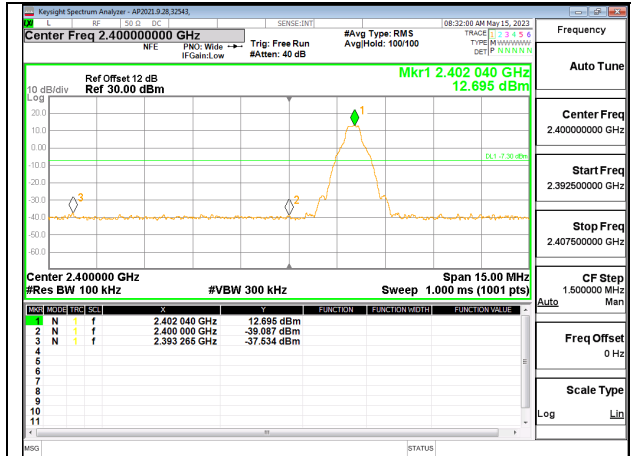


OUT-OF-BAND HIGH CHANNEL

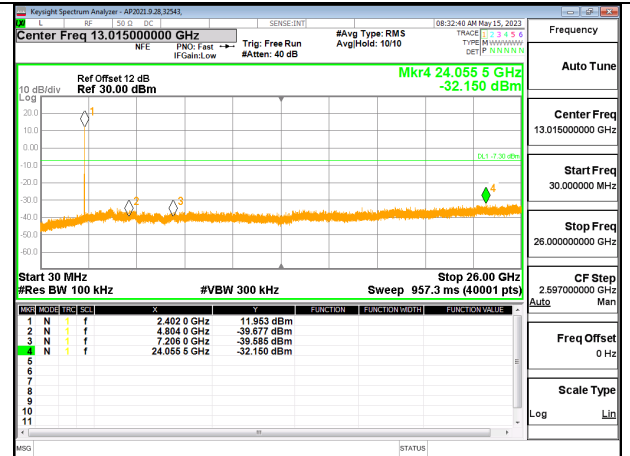
ANT 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



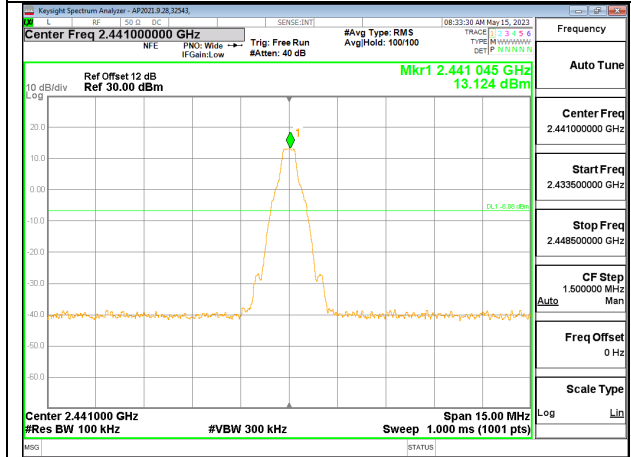
ANT 3 SPURIOUS EMISSIONS, NON-HOPPING



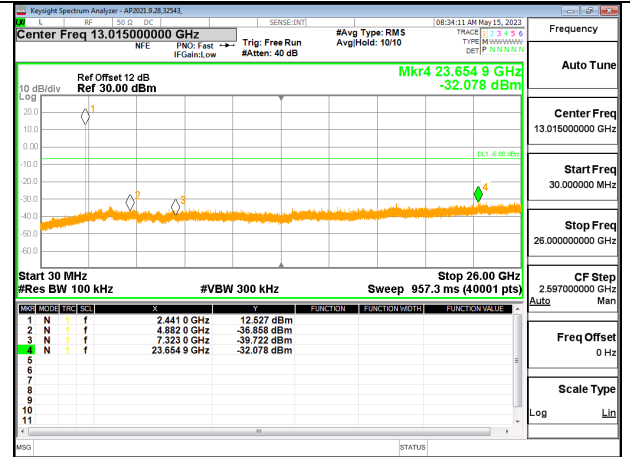
LOW CHANNEL BANDEDGE



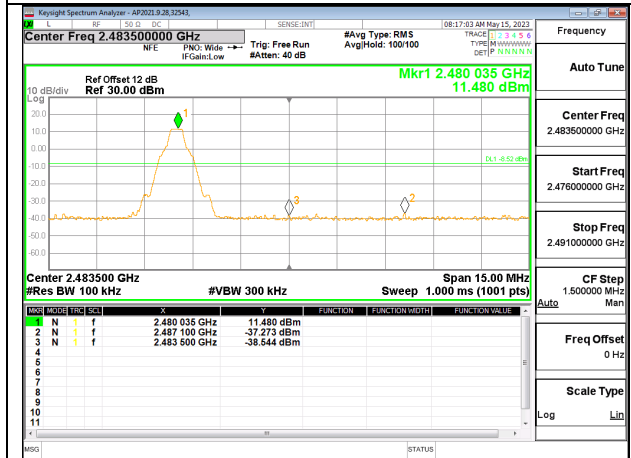
OUT-OF-BAND LOW CHANNEL



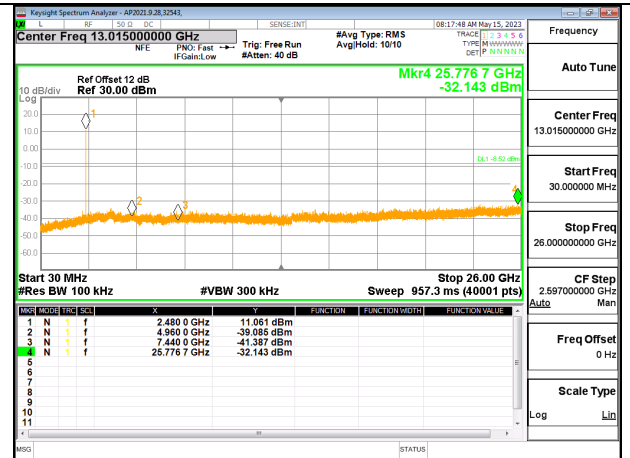
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

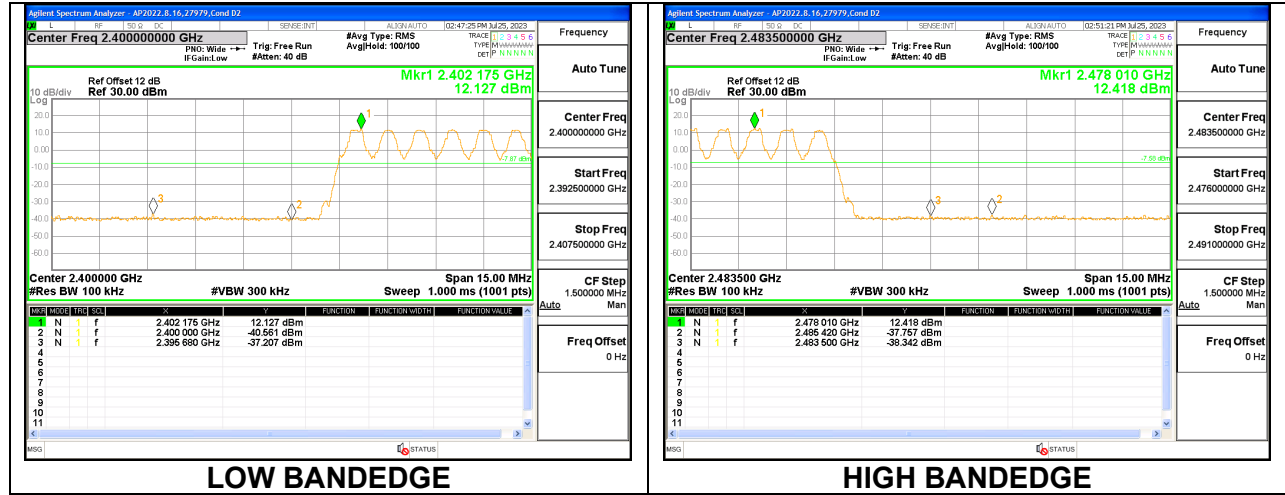


HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

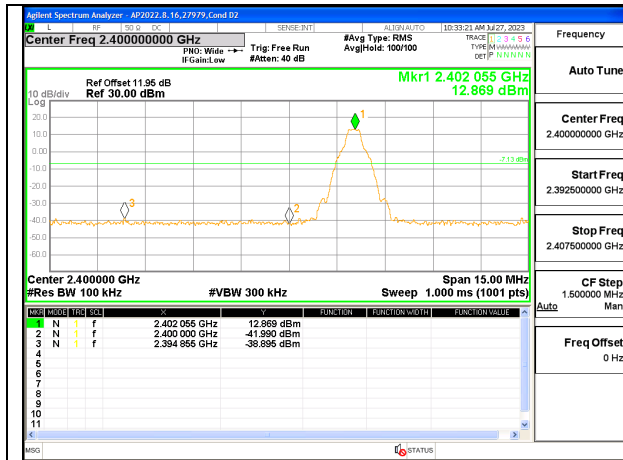
ANT 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



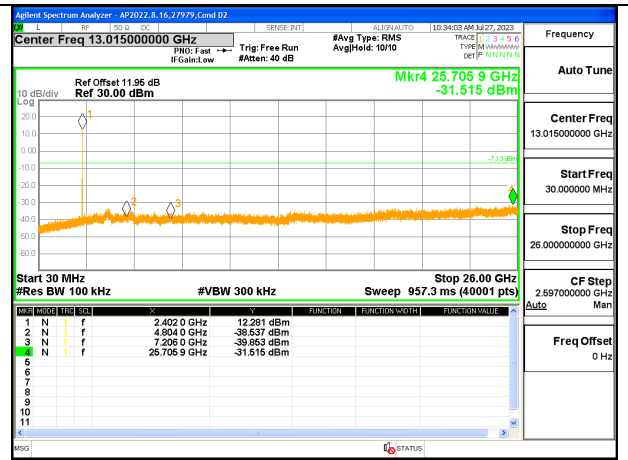
9.8.6. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

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

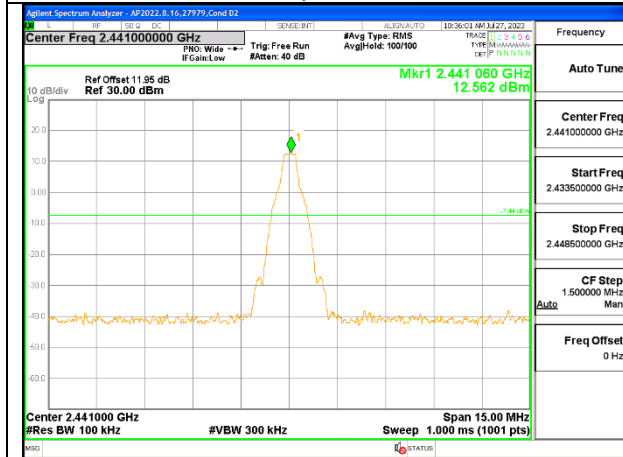
ANT 4



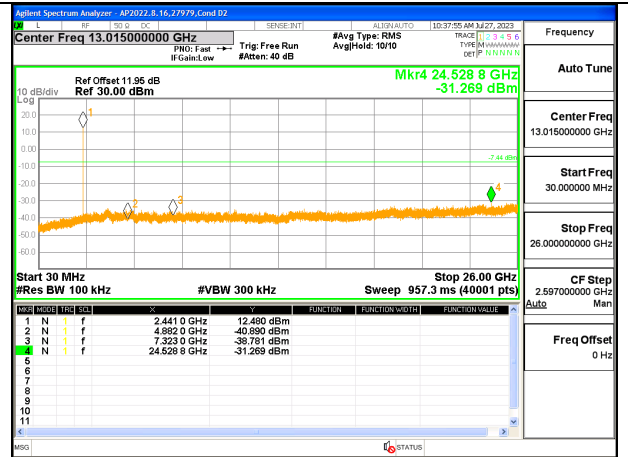
LOW CHANNEL , BANDEDGE ANT 4



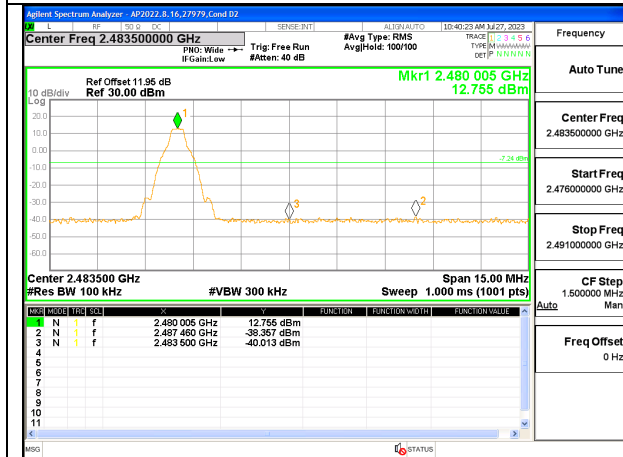
LOW CHANNEL OUT-OF-BAND ANT 4



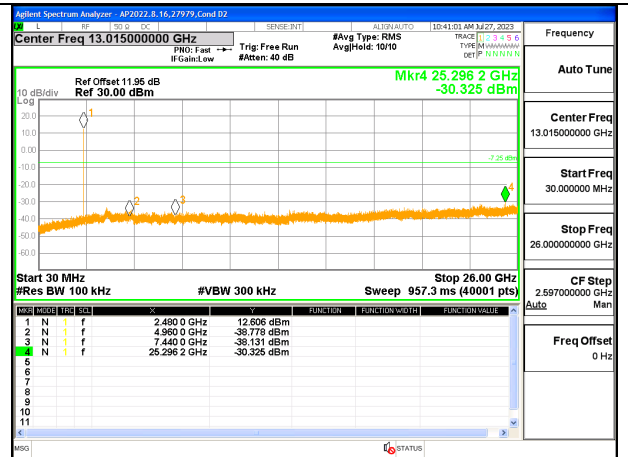
MID CHANNEL REFERENCE ANT 4



MID CHANNEL OUT-OF-BAND ANT 4

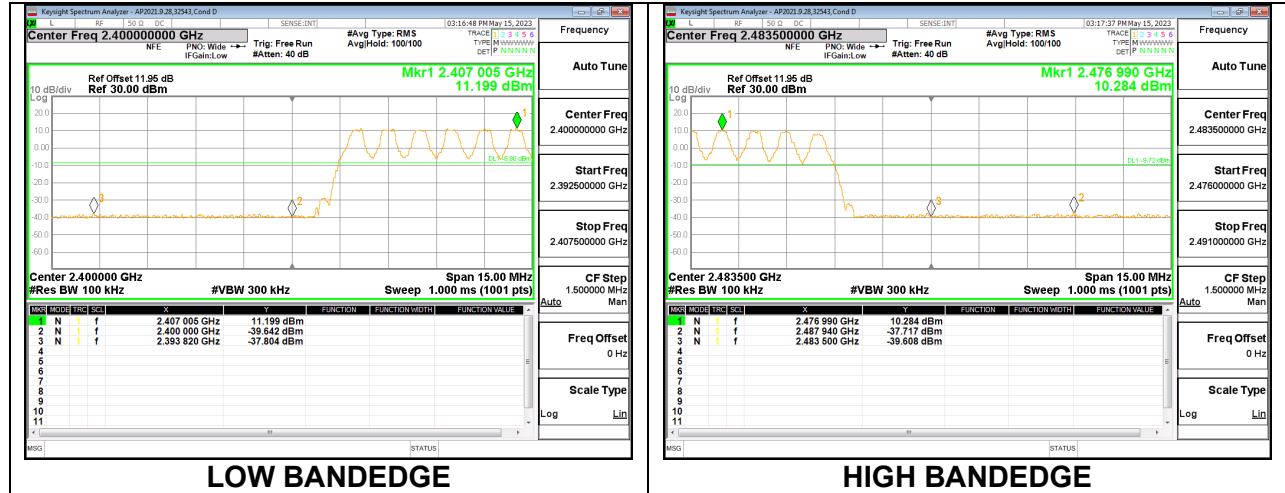


HIGH CHANNEL BANDEDGE ANT 4

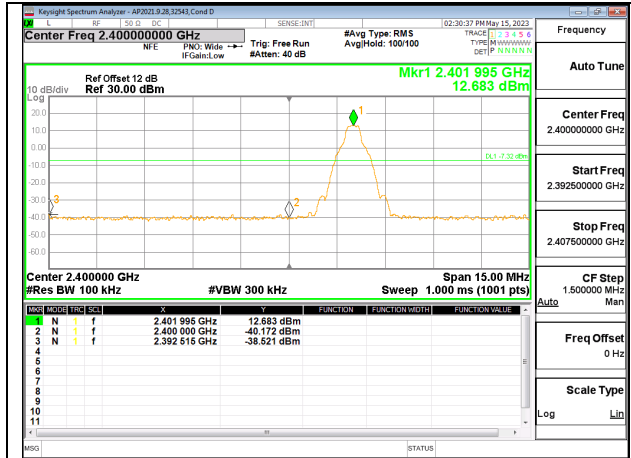


HIGH CHANNEL OUT-OF-BAND ANT 4

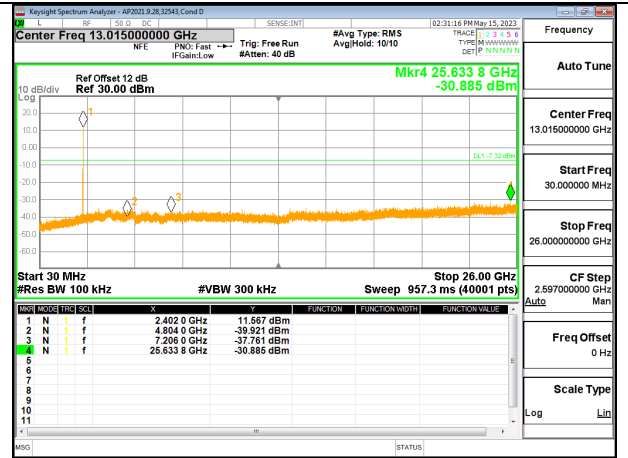
ANT 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



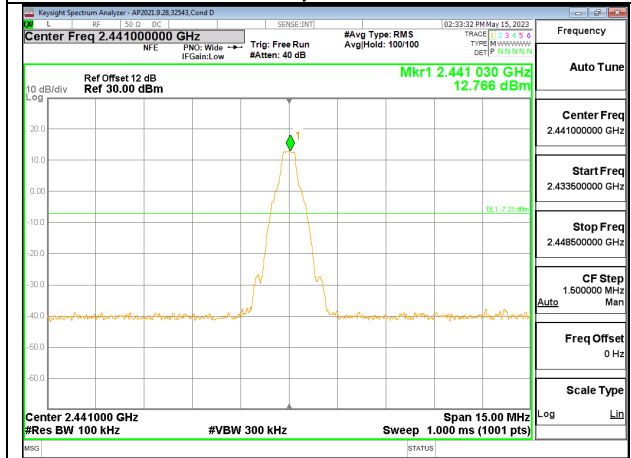
ANT 3



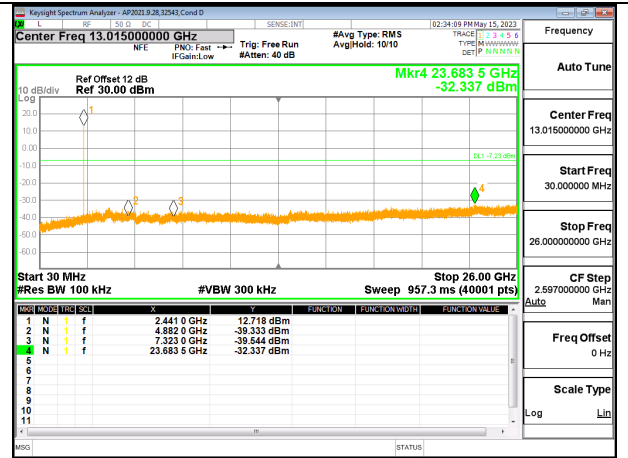
LOW CHANNEL , BANDEDGE ANT 3



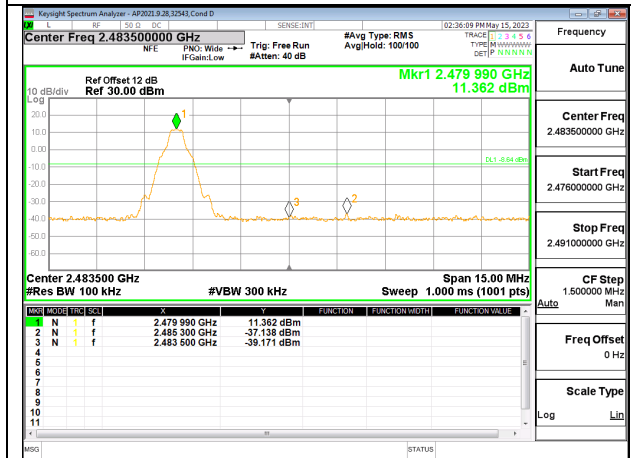
LOW CHANNEL OUT-OF-BAND ANT 3



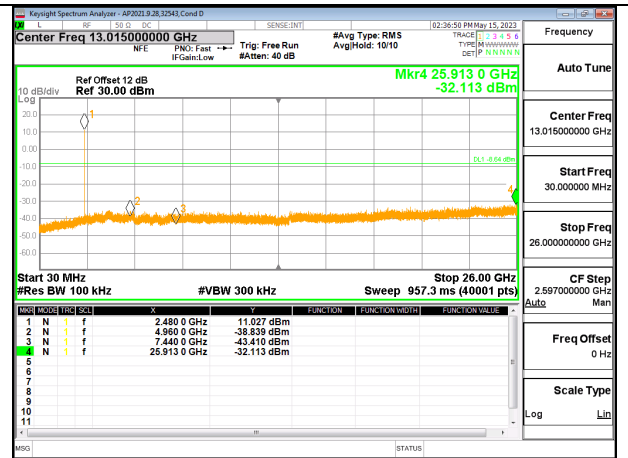
MID CHANNEL REFERENCE ANT 3



MID CHANNEL OUT-OF-BAND ANT 3

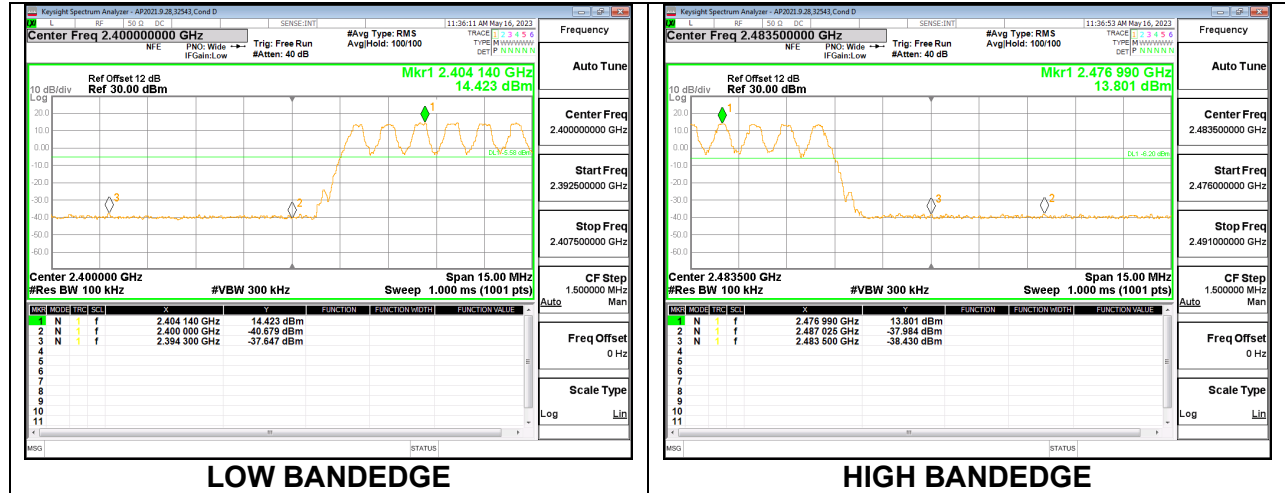


HIGH CHANNEL BANDEDGE ANT 3



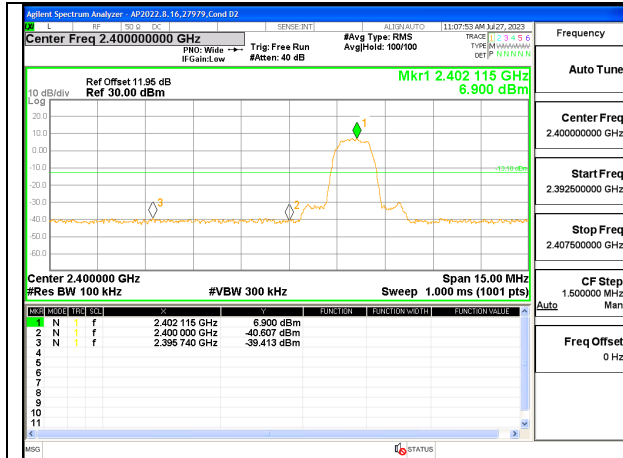
HIGH CHANNEL OUT-OF-BAND ANT 3

ANT 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

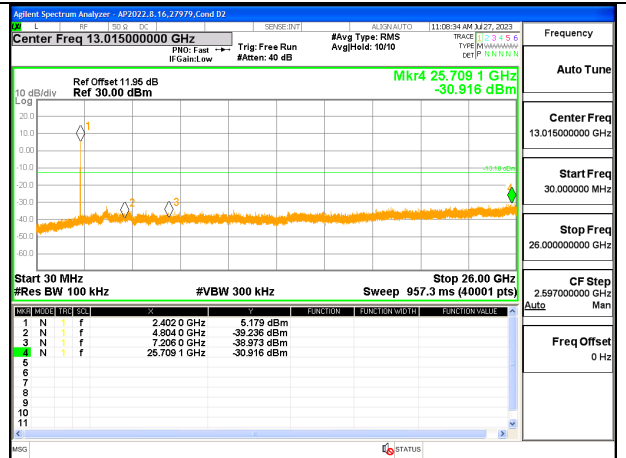


9.8.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

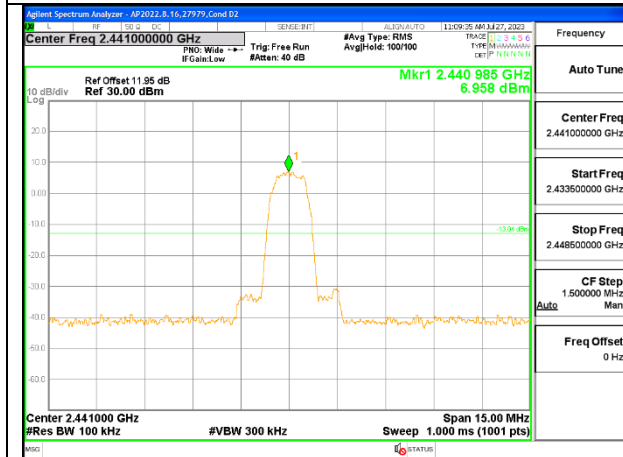
ANT 4 SPURIOUS EMISSIONS, NON-HOPPING



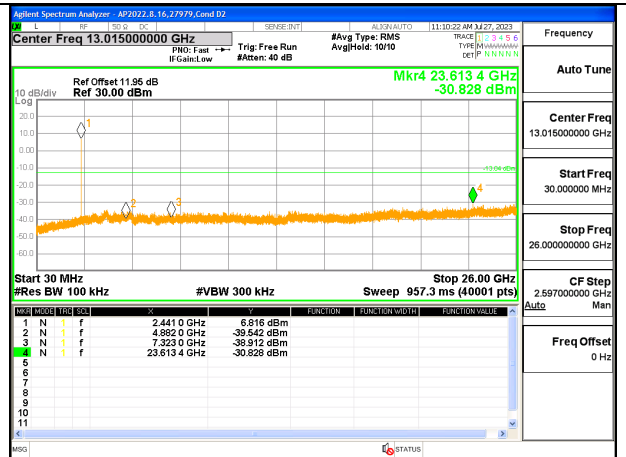
LOW CHANNEL BANDEDGE



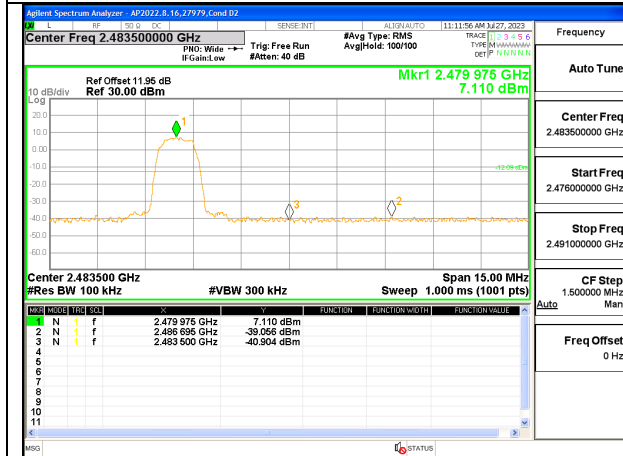
OUT-OF-BAND LOW CHANNEL



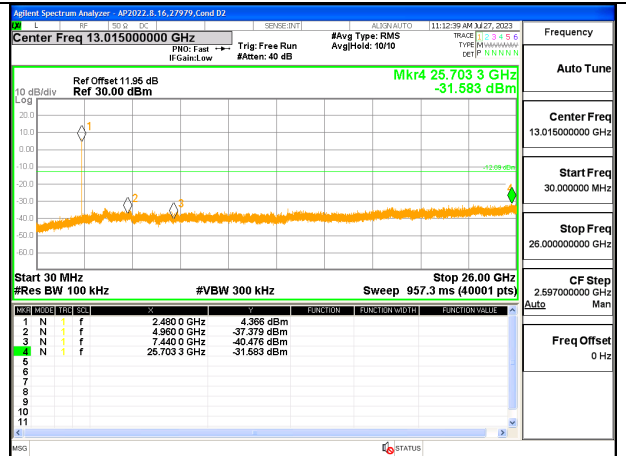
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

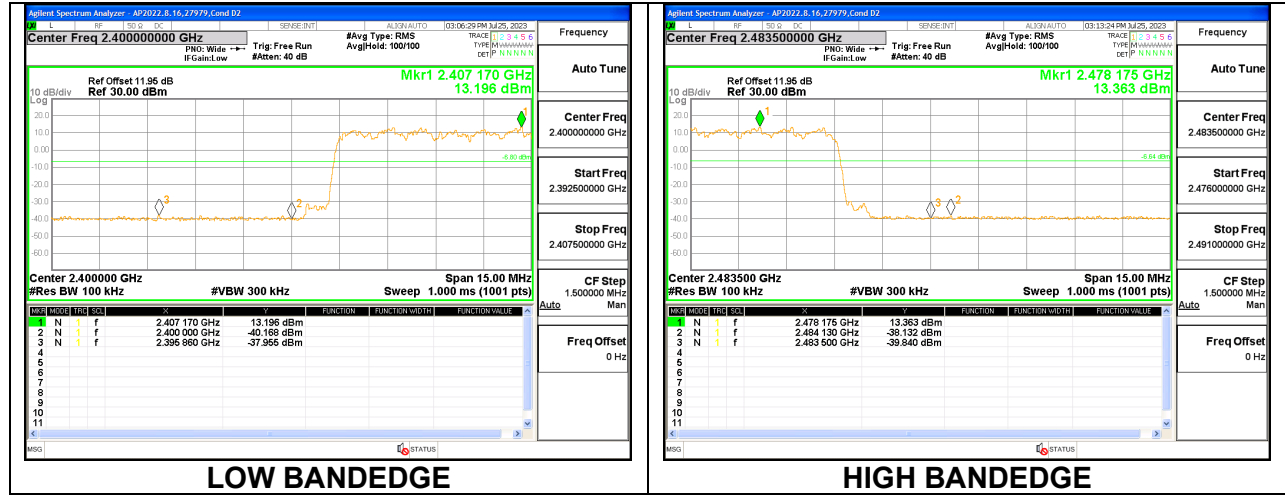


HIGH CHANNEL BANDEDGE

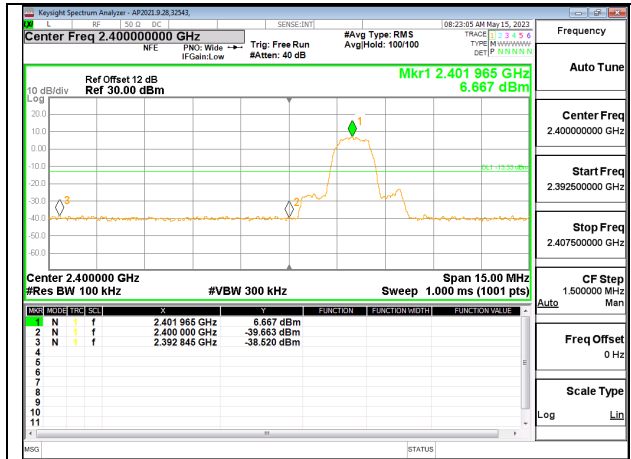


OUT-OF-BAND HIGH CHANNEL

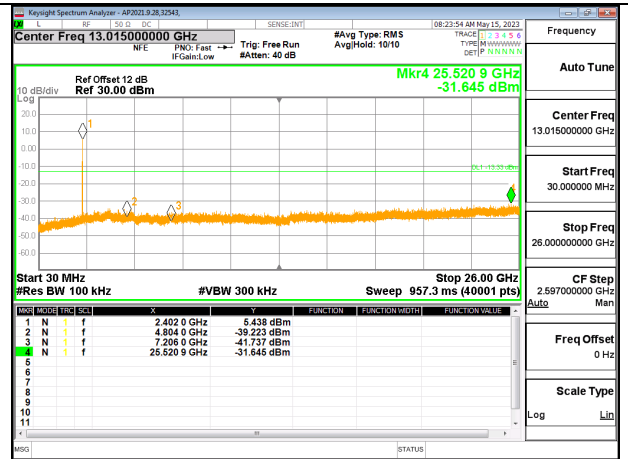
ANT 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



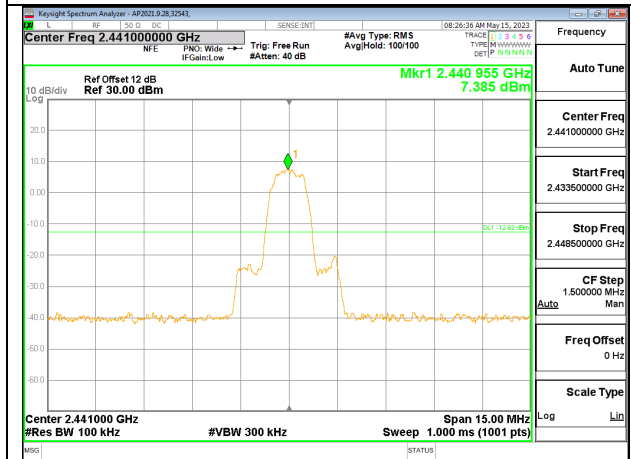
ANT 3 SPURIOUS EMISSIONS, NON-HOPPING



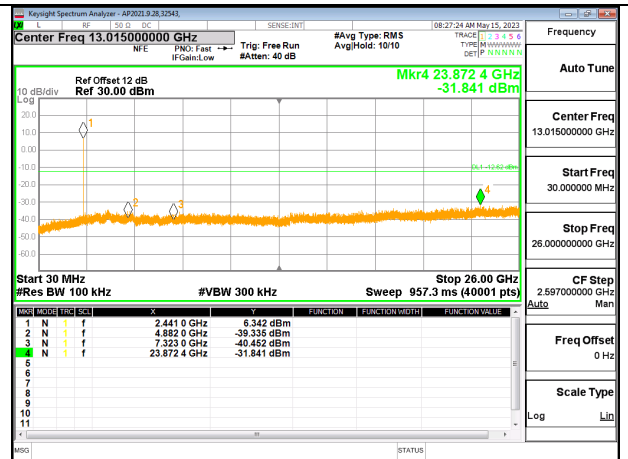
LOW CHANNEL BANDEDGE



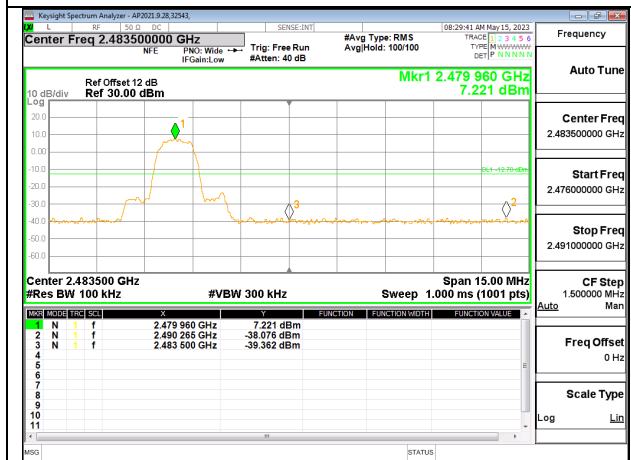
OUT-OF-BAND LOW CHANNEL



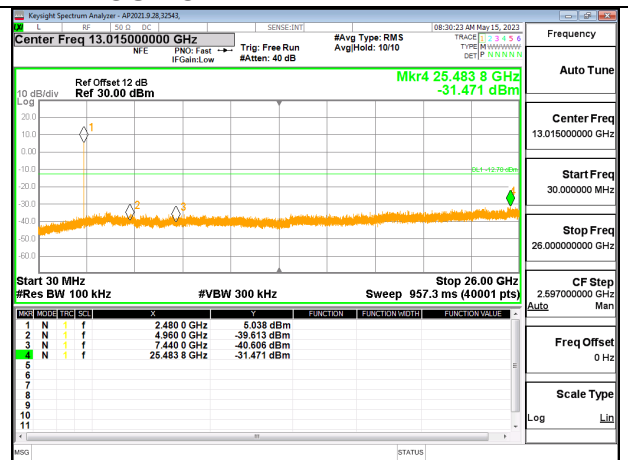
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

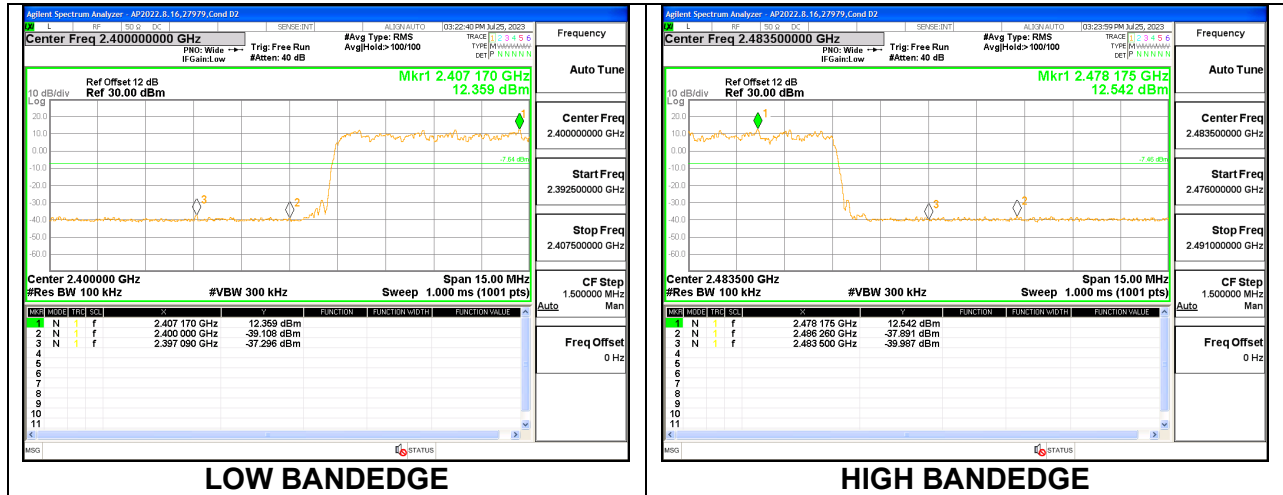


HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

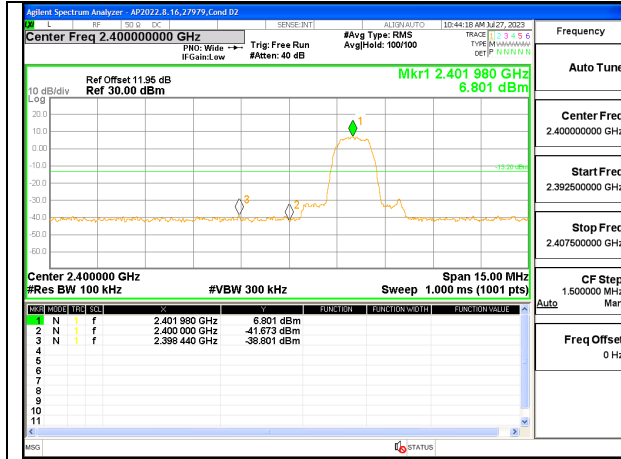
ANT 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



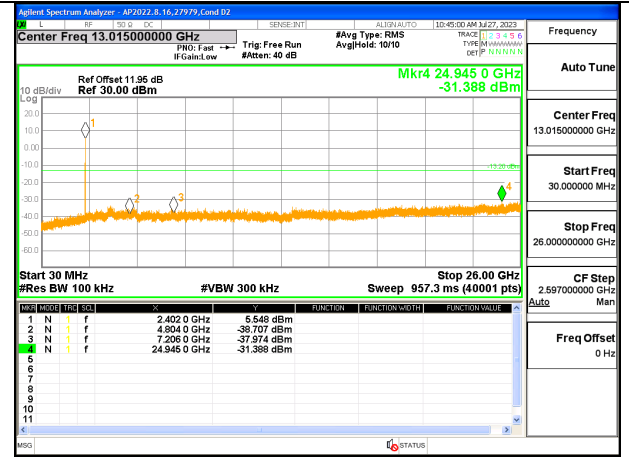
9.8.8. LOW POWER TXBF ENHANCED DATA RATE 8PSK MODULATION

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

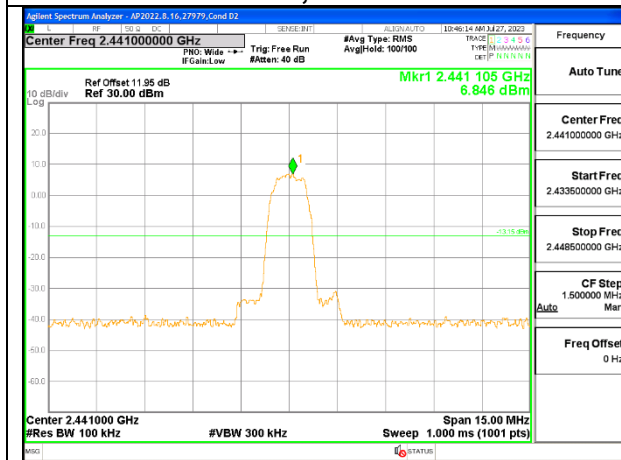
ANT 4



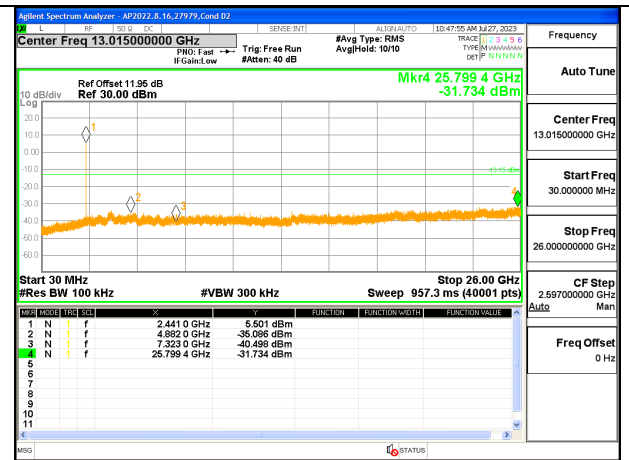
LOW CHANNEL , BANDEDGE ANT 4



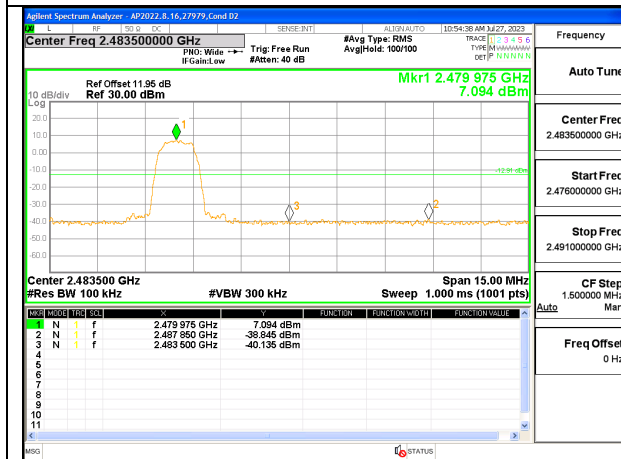
LOW CHANNEL OUT-OF-BAND ANT 4



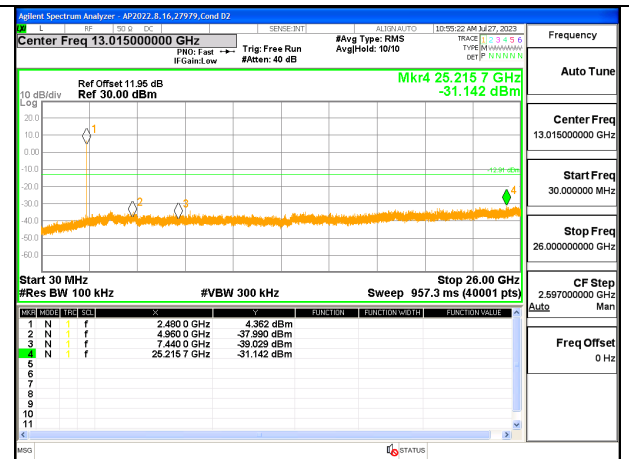
MID CHANNEL REFERENCE ANT 4



MID CHANNEL OUT-OF-BAND ANT 4

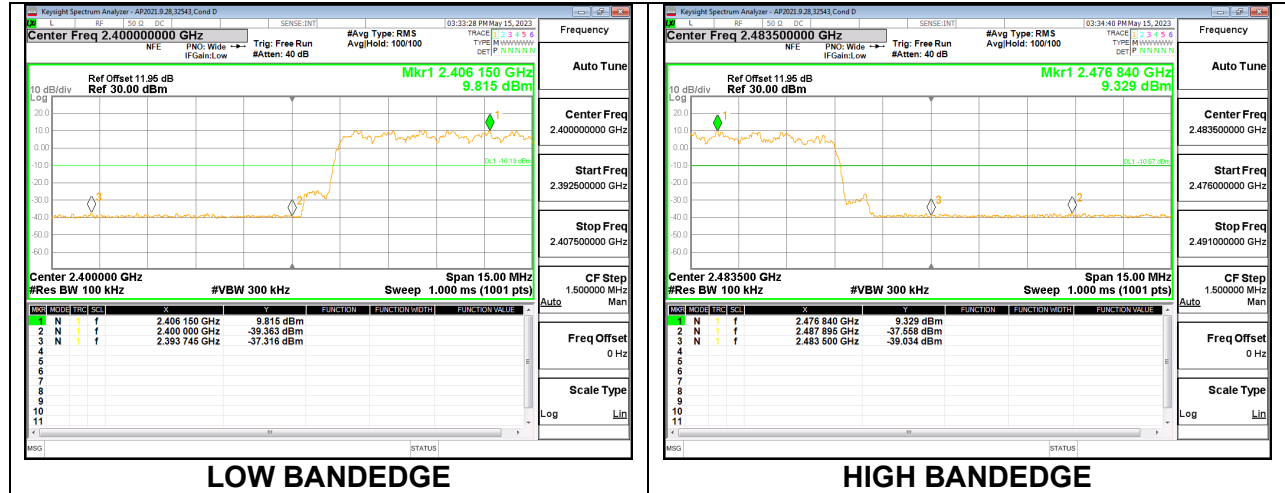


HIGH CHANNEL BANDEDGE ANT 4

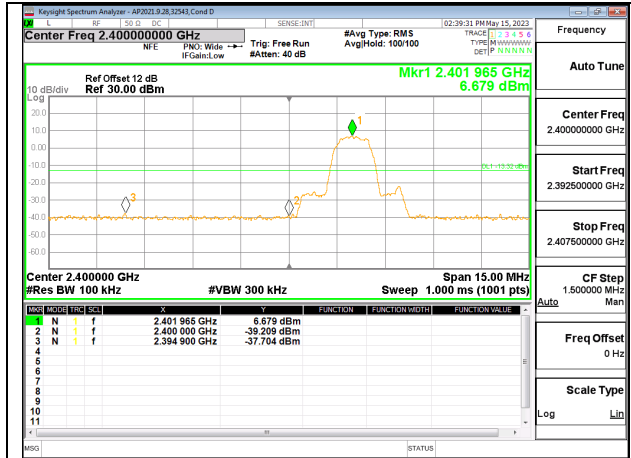


HIGH CHANNEL OUT-OF-BAND ANT 4

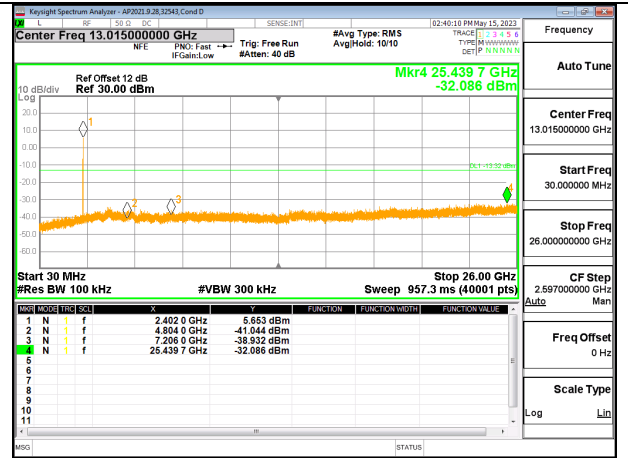
ANT 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



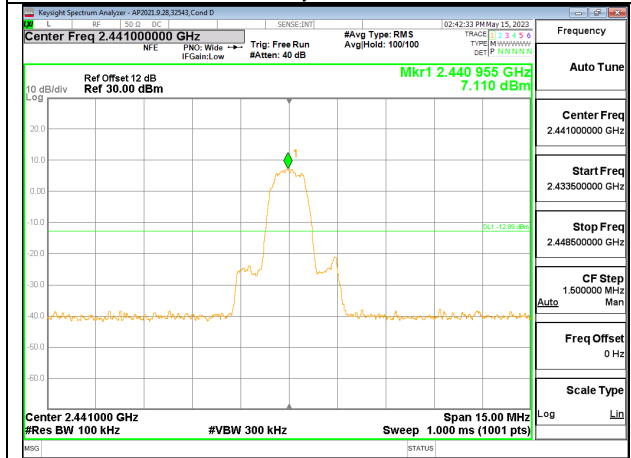
ANT 3



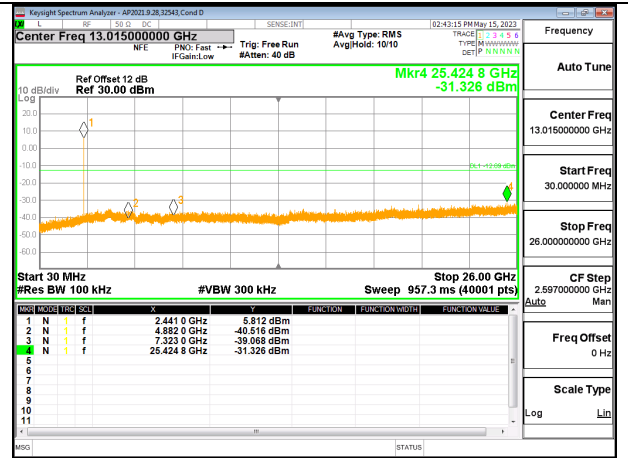
LOW CHANNEL , BANDEDGE ANT 3



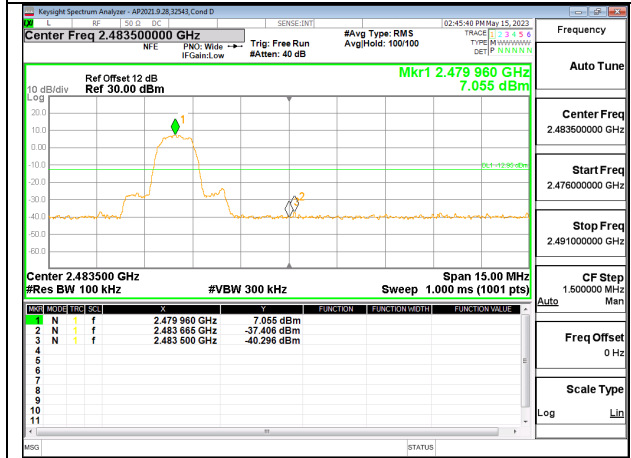
LOW CHANNEL OUT-OF-BAND ANT 3



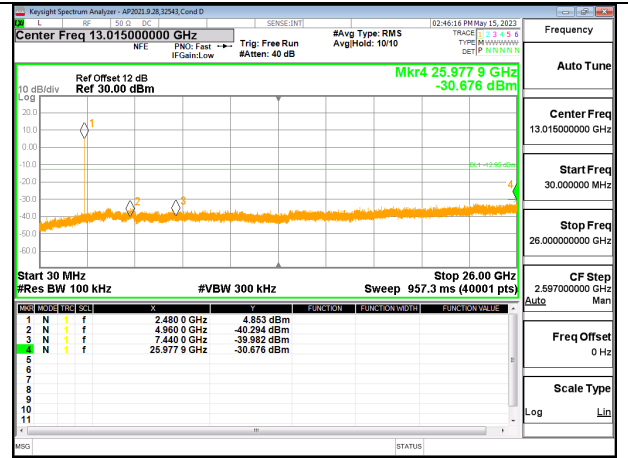
MID CHANNEL REFERENCE ANT 3



MID CHANNEL OUT-OF-BAND ANT 3

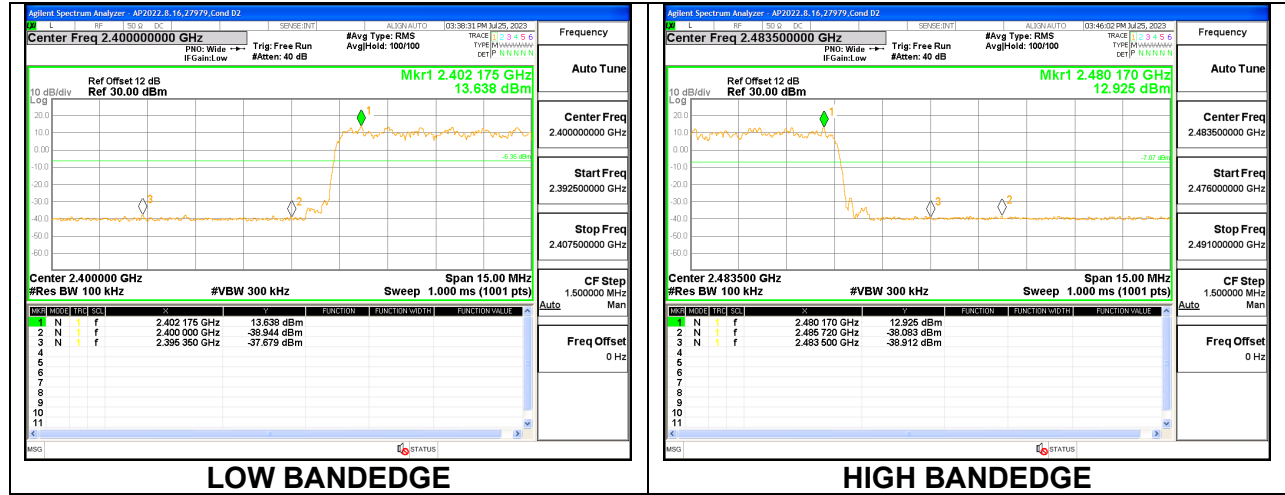


HIGH CHANNEL BANDEDGE ANT 3



HIGH CHANNEL OUT-OF-BAND ANT 3

ANT 3 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 (10 Hz) 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.

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 must 15.209(a) limit.

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

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

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.

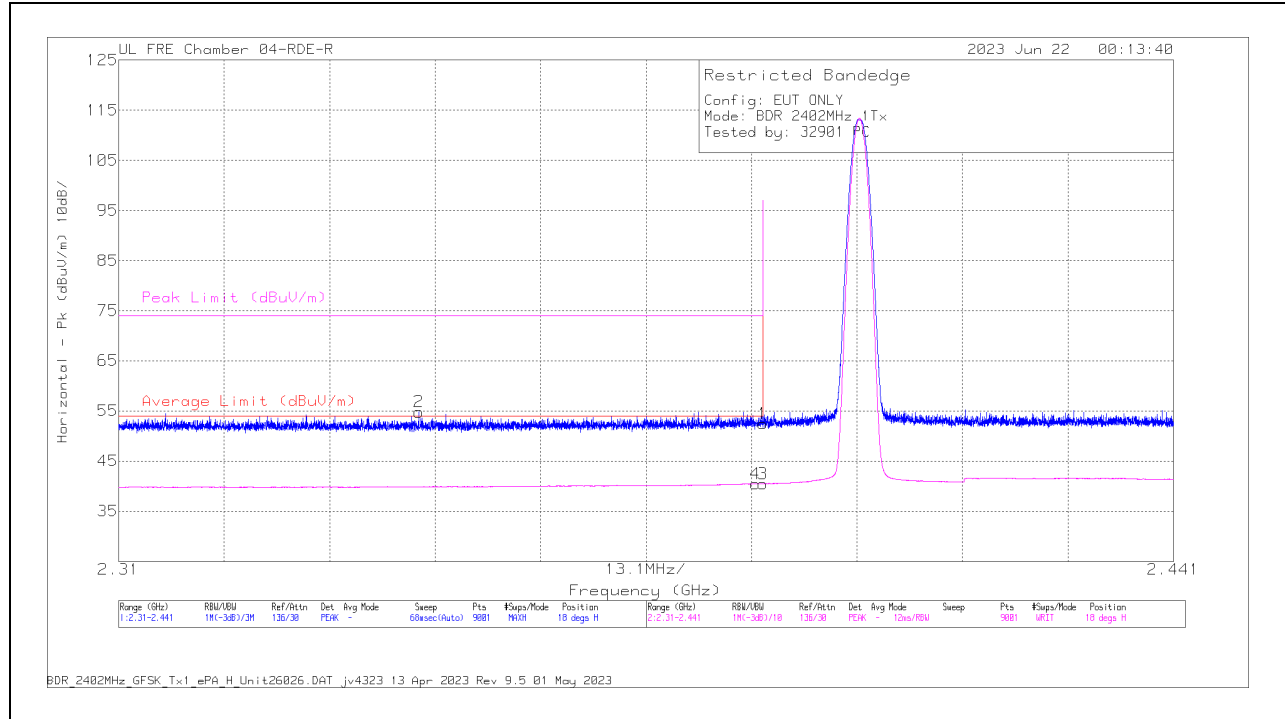
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

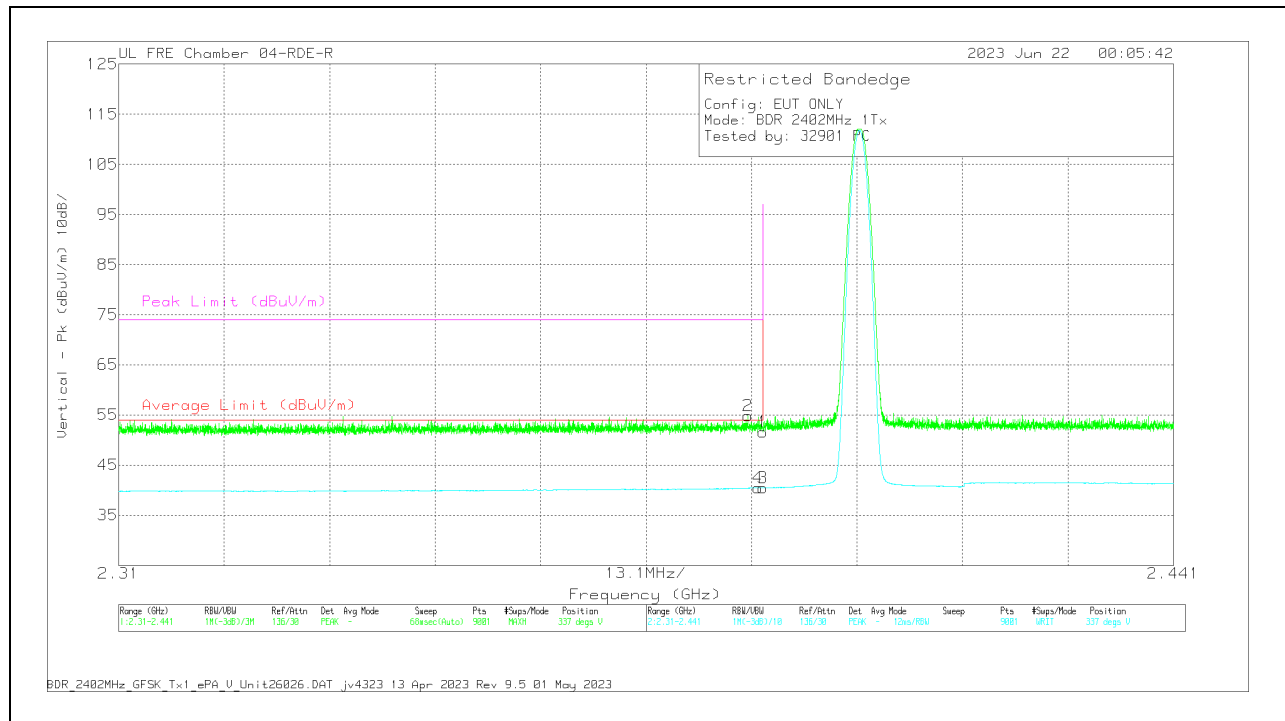
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	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	2.347249	63.87	Pk	31.4	0	-40.48	54.79	-	-	74	-19.21	18	107	H
4	2.389068	49.24	VA1T	31.7	0	-40.43	40.51	54	-13.49	-	-	18	107	H
1	2.39	61.16	Pk	31.7	0	-40.44	52.42	-	-	74	-21.58	18	107	H
3	2.39	49.22	VA1T	31.7	0	-40.44	40.48	54	-13.52	-	-	18	107	H

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

VERTICAL RESULT

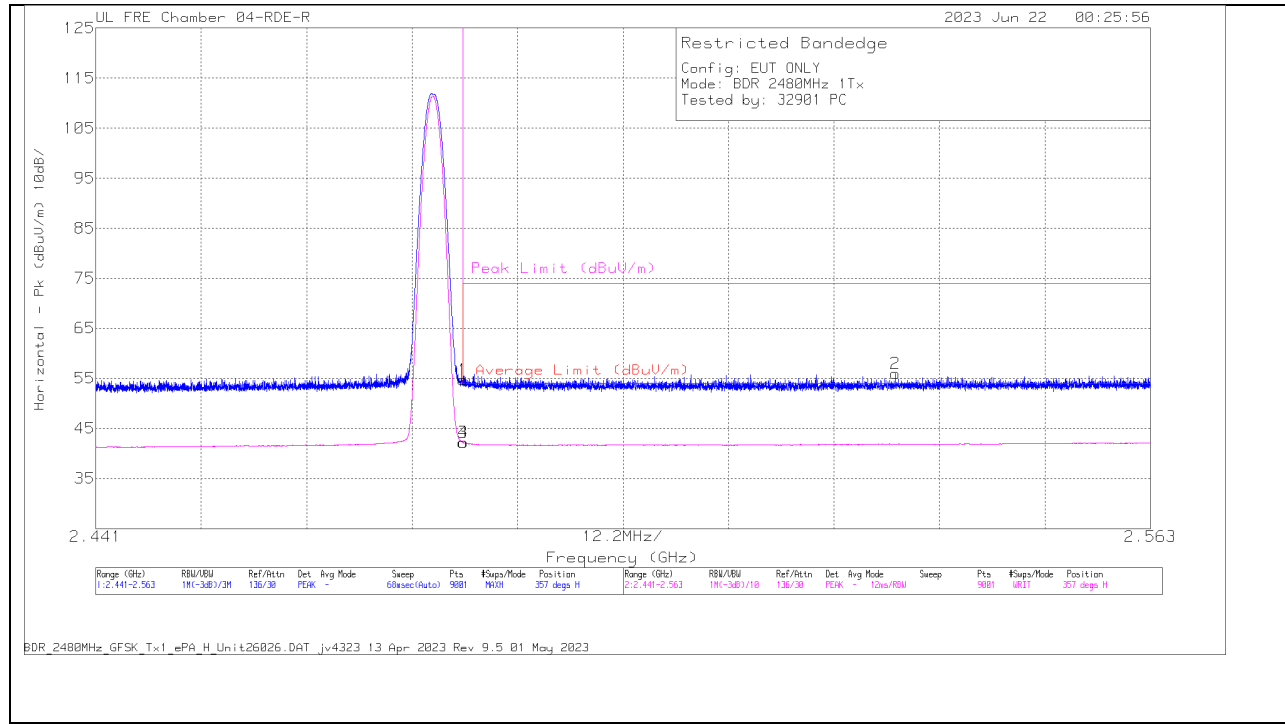


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) -3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.388166	63.57	PK	31.7	0	-40.43	54.84	-	-	74	-19.16	337	352	V
4	2.389374	49.22	VA1T	31.7	0	-40.43	40.49	54	-13.51	-	-	337	352	V
1	2.39	60.35	PK	31.7	0	-40.44	51.61	-	-	74	-22.39	337	352	V
3	2.39	49.21	VA1T	31.7	0	-40.44	40.47	54	-13.53	-	-	337	352	V

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

BANDEDGE (HIGH CHANNEL)

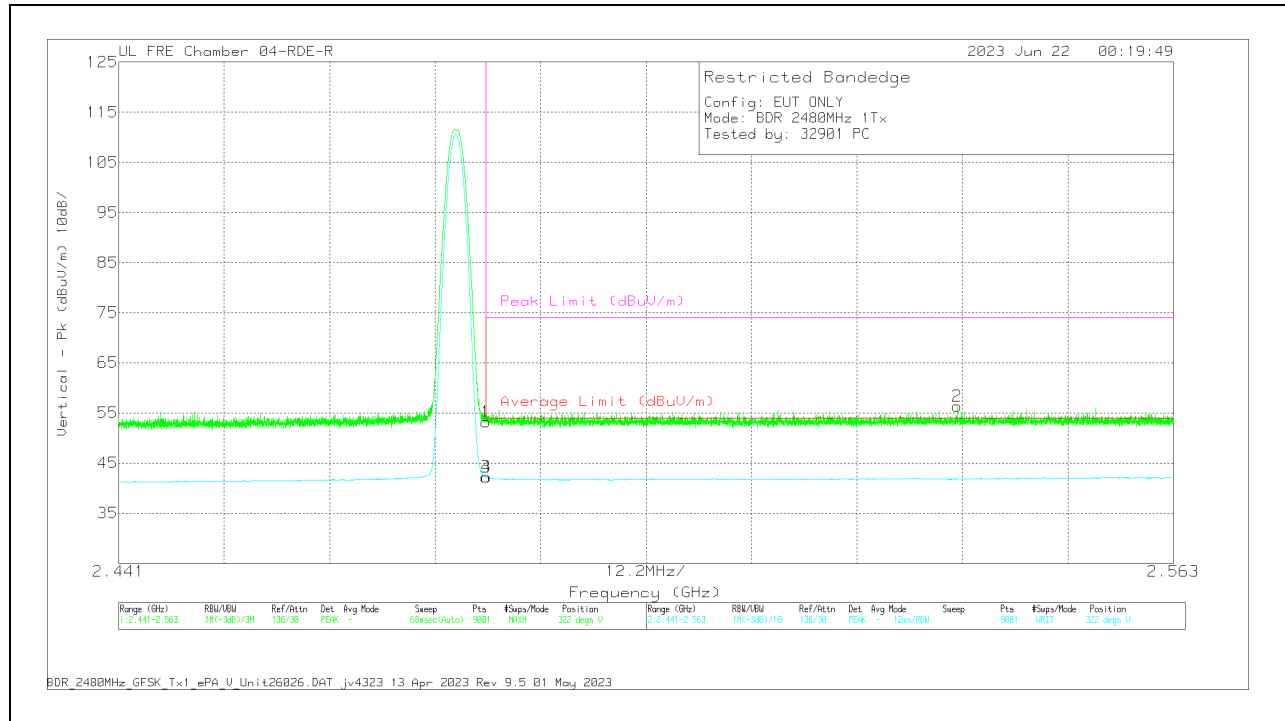
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) -3mH	DCCF (dB)	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	62.99	Pk	32.1	0	-40.37	54.72	-	-	74	-19.28	357	126	H
3	2.4835	50.47	VA1T	32.1	0	-40.37	42.2	54	-11.8	-	-	357	126	H
4	2.483512	50.45	VA1T	32.1	0	-40.37	42.18	54	-11.82	-	-	357	126	H
2	2.533506	64.06	Pk	32.1	0	-40.13	56.03	-	-	74	-17.97	357	126	H

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

VERTICAL RESULT



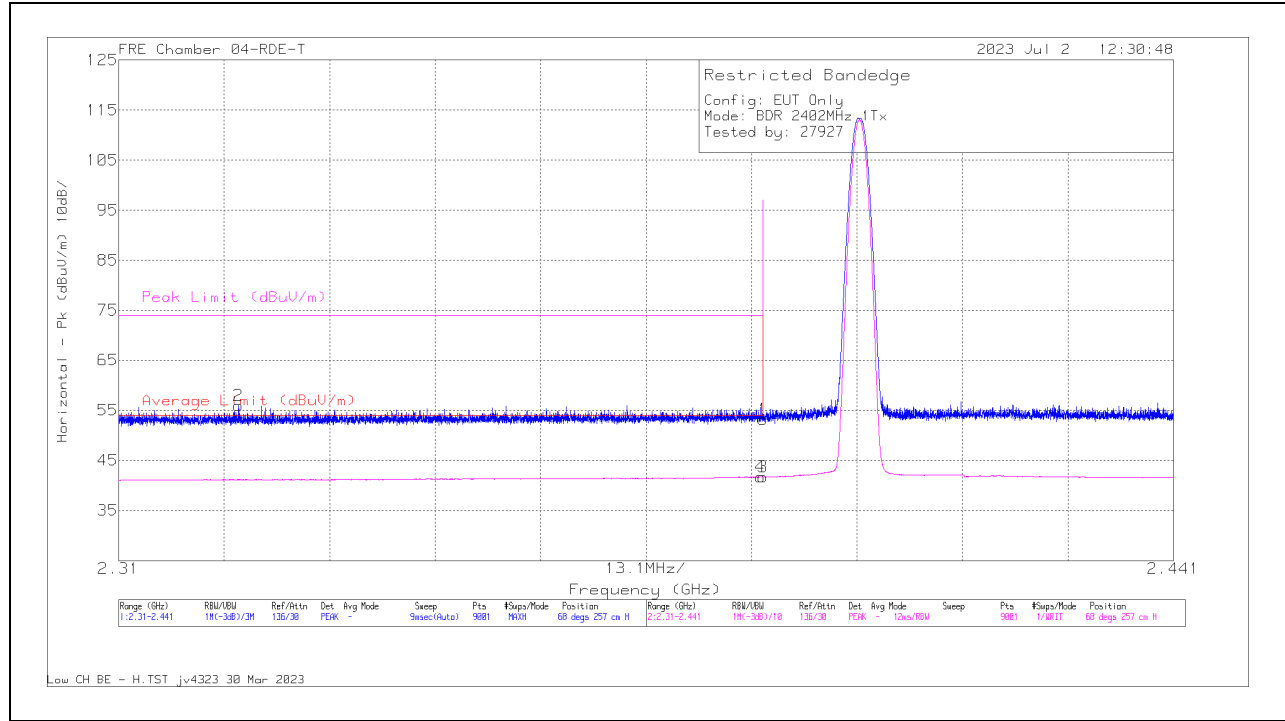
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) -3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	61.53	PK	32.1	0	-40.37	53.26	-	-	74	-20.74	322	367	V
3	2.4835	50.46	VATT	32.1	0	-40.37	42.19	54	-11.81	-	-	322	367	V
4	2.483512	50.45	VATT	32.1	0	-40.37	42.18	54	-11.82	-	-	322	367	V
2	2.537993	64.41	PK	32.1	0	-40.16	56.35	-	-	74	-17.65	322	367	V

PK - Peak detector
VATT - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

ANT 3

BANDEDGE (LOW CHANNEL)

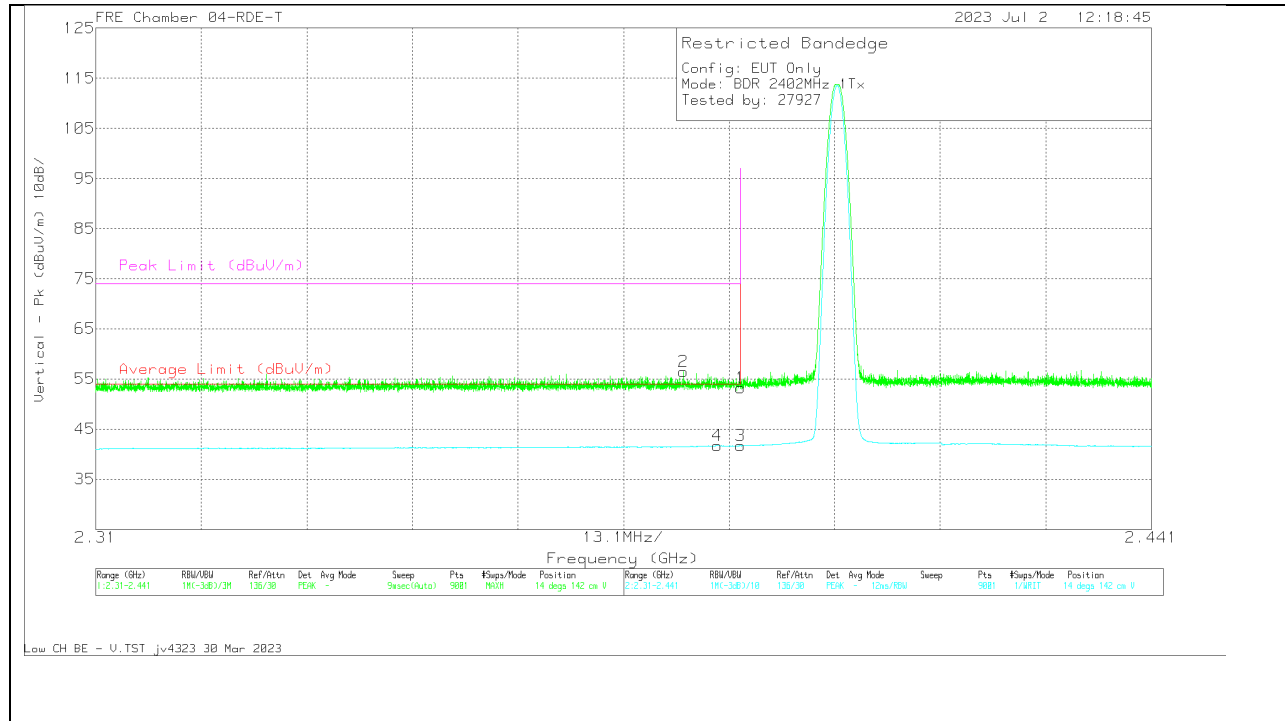
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 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	* 2.39	58.99	Pk	32.1	-37.89	53.2	-	-	74	-20.8	68	257	H
2	* 2.324891	62.09	Pk	31.8	-37.89	56	-	-	74	-18	68	257	H
3	* 2.39	47.48	VA1T	32.1	-37.89	41.69	54	-12.31	-	-	68	257	H
4	* 2.389694	47.49	VA1T	32.1	-37.89	41.7	54	-12.3	-	-	68	257	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

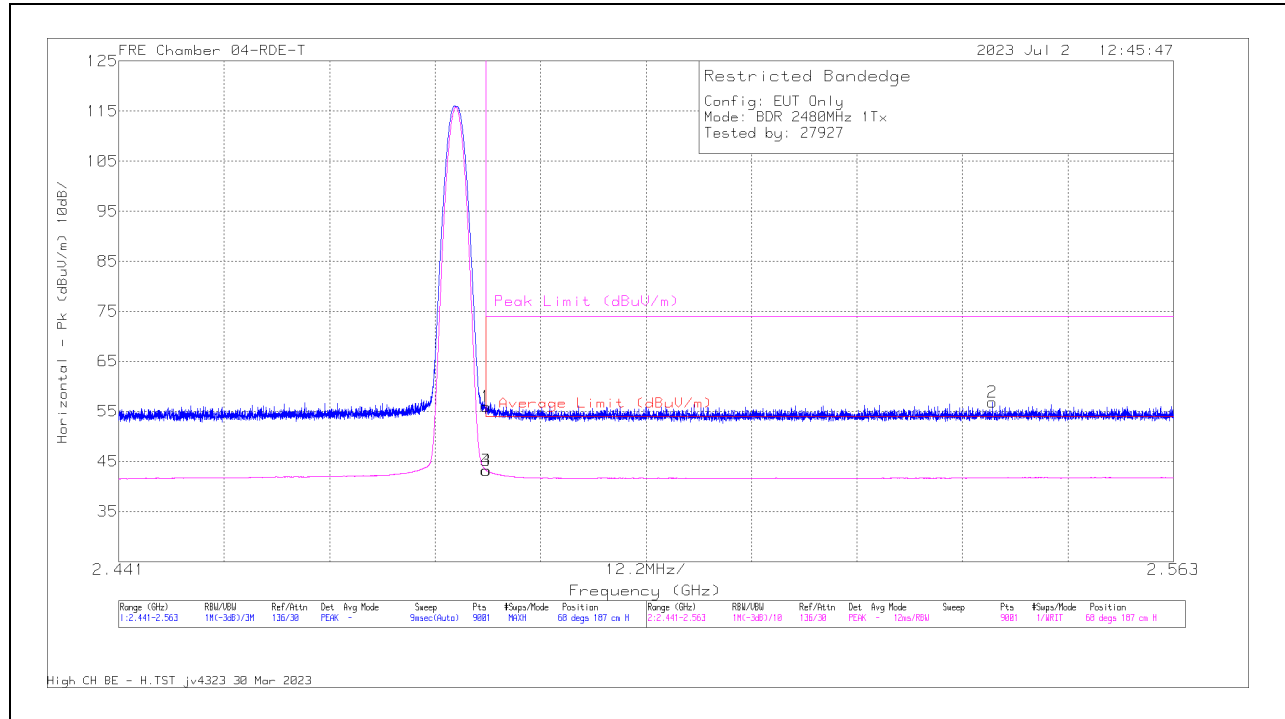


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.04	Pk	32.1	-37.89	53.25	-	-	74	-20.75	14	142	V
2	* 2.382911	62.32	Pk	32.1	-37.89	56.53	-	-	74	-17.47	14	142	V
3	* 2.39	47.47	VA1T	32.1	-37.89	41.68	54	-12.32	-	-	14	142	V
4	* 2.387147	47.48	VA1T	32.1	-37.86	41.72	54	-12.28	-	-	14	142	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)

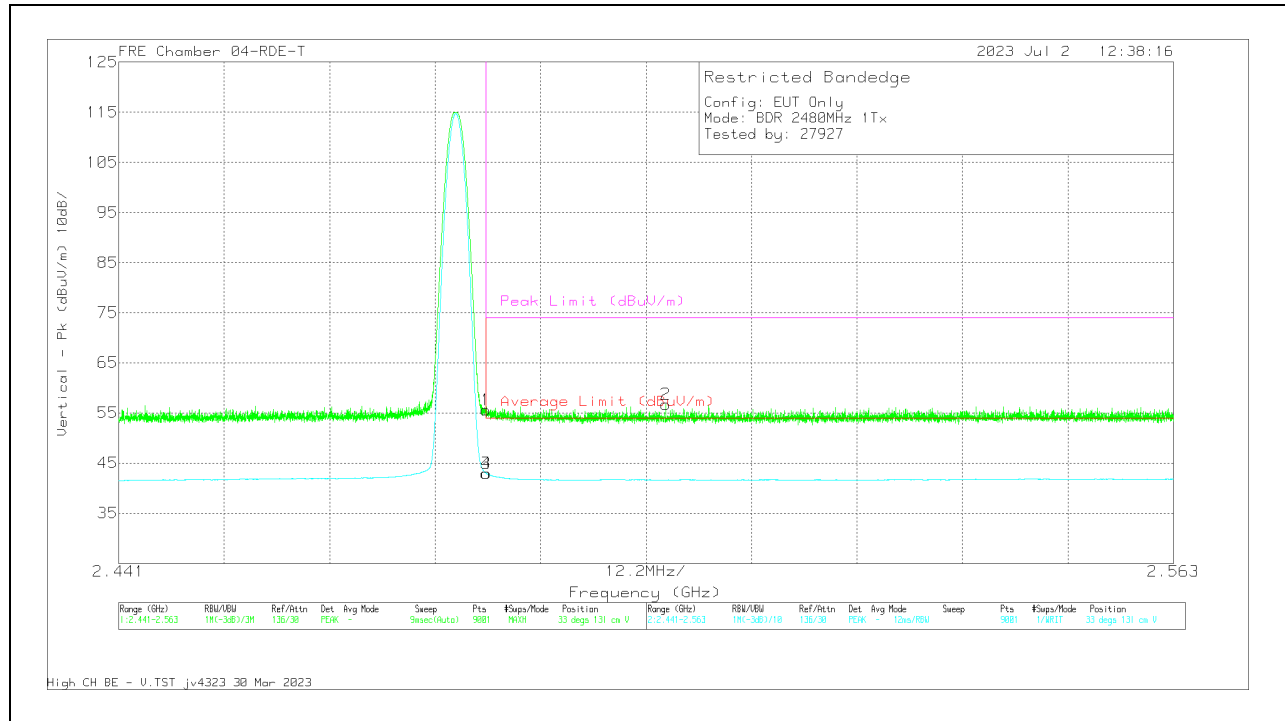
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 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	61.53	Pk	32.2	-37.81	55.92	-	-	74	-18.08	68	187	H
3	* 2.4835	48.87	VA1T	32.2	-37.81	43.26	54	-10.74	-	-	68	187	H
4	* 2.483512	48.85	VA1T	32.2	-37.81	43.24	54	-10.76	-	-	68	187	H
2	2.54206	62.33	Pk	32.3	-37.77	56.86	-	-	74	-17.14	68	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



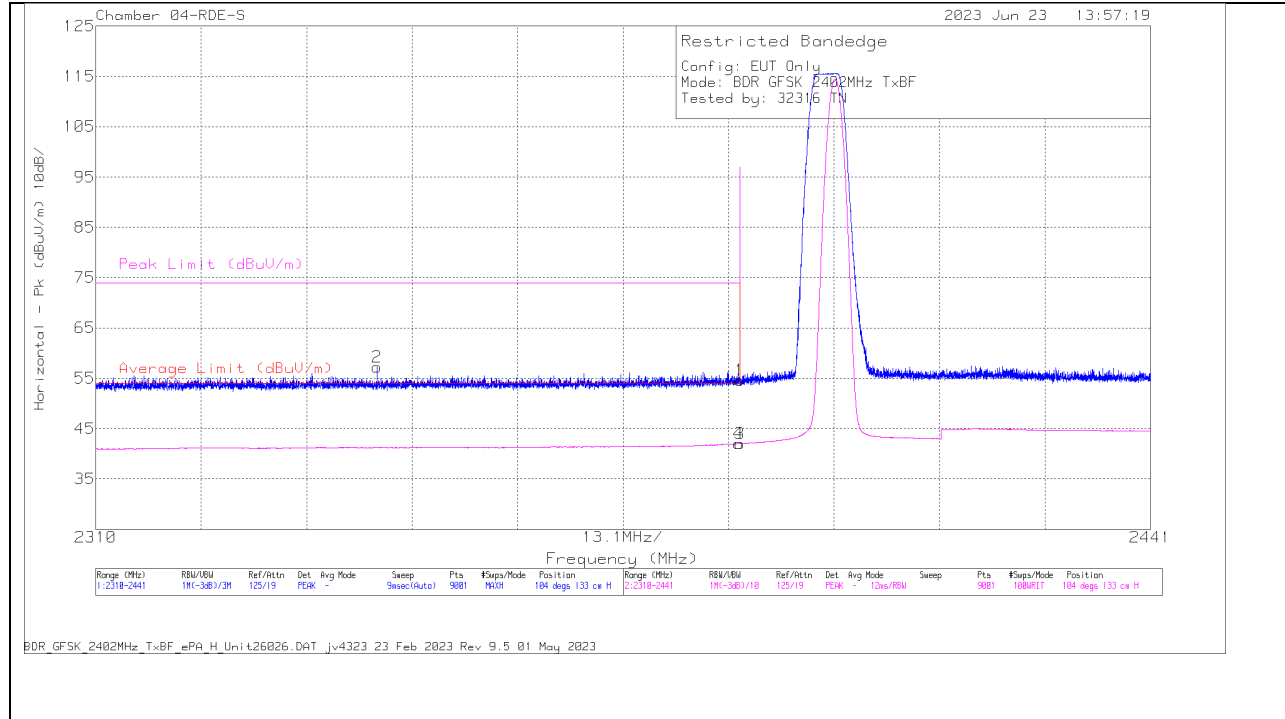
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.17	Pk	32.2	-37.81	55.56	-	-	74	-18.44	33	131	V
3	* 2.4835	48.58	VA1T	32.2	-37.81	42.97	54	-11.03	-	-	33	131	V
4	* 2.483512	48.55	VA1T	32.2	-37.81	42.94	54	-11.06	-	-	33	131	V
2	2.504266	62.3	Pk	32.3	-37.83	56.77	-	-	74	-17.23	33	131	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 TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

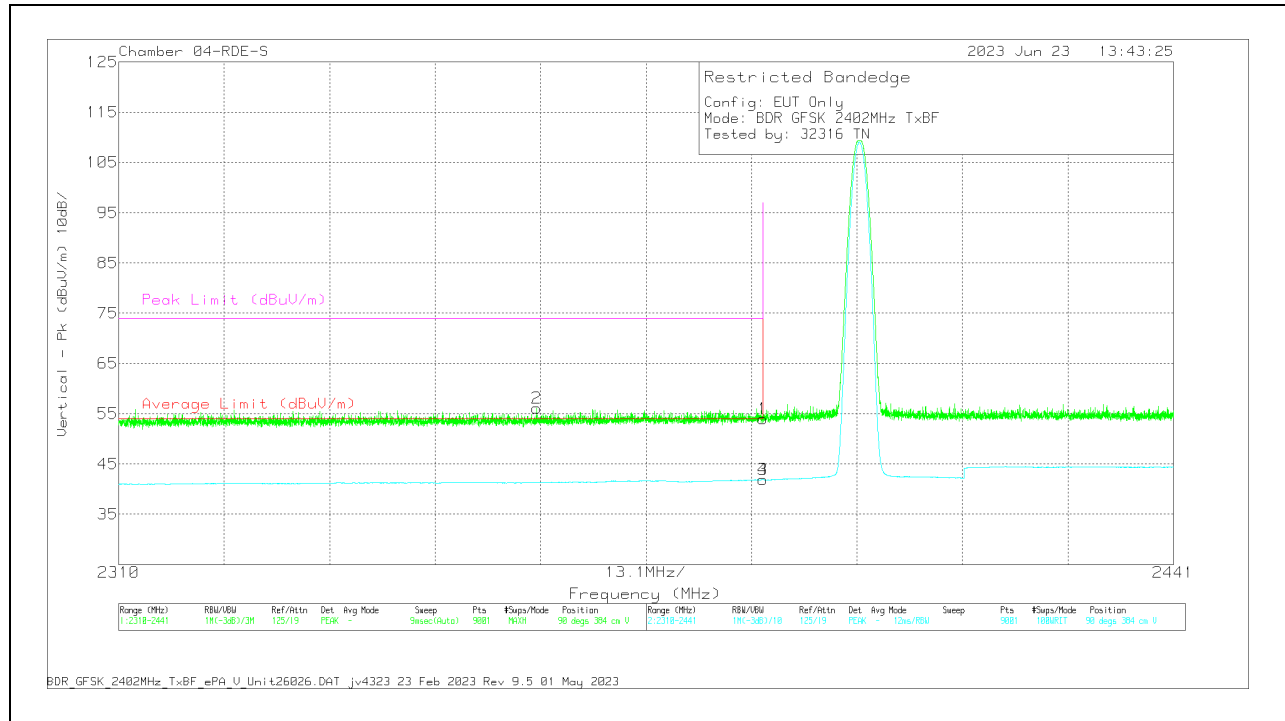


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2344.934	50.85	Pk	32.1	-25.74	57.21	-	-	74	-16.79	104	133	H
4	2389.869	35.32	VA1T	32.3	-25.59	42.03	54	-11.97	-	-	104	133	H
1	2390	47.89	Pk	32.3	-25.59	54.6	-	-	74	-19.4	104	133	H
3	2390	35.28	VA1T	32.3	-25.59	41.99	54	-12.01	-	-	104	133	H

Pk - Peak detector

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

VERTICAL RESULT



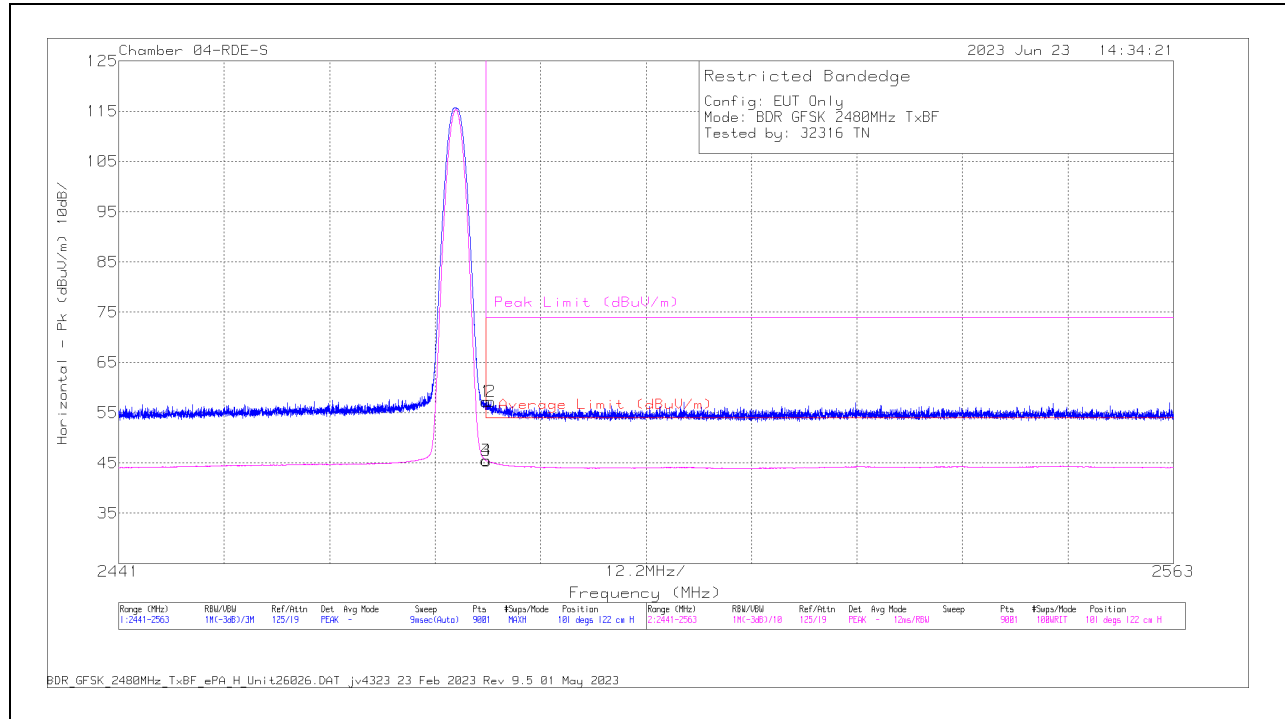
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2361.907	49.69	Pk	32.2	-25.8	56.09	-	-	74	-17.91	90	384	V
1	2390	47.28	Pk	32.3	-25.59	53.99	-	-	74	-20.01	90	384	V
3	2390	35.2	VA1T	32.3	-25.59	41.91	54	-12.09	-	-	90	384	V
4	2390	35.2	VA1T	32.3	-25.59	41.91	54	-12.09	-	-	90	384	V

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

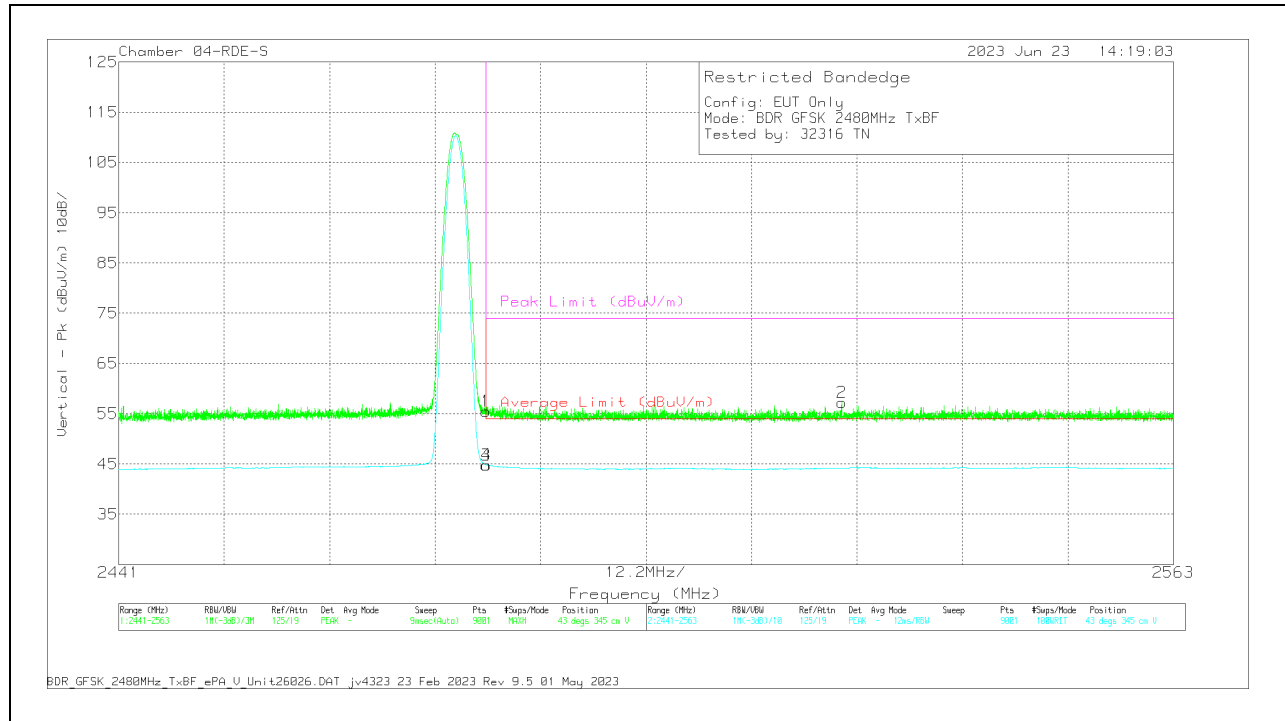


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2483.5	50.17	Pk	32.4	-25.35	57.22	-	-	74	-16.78	101	122	H
3	2483.5	38.42	VA1T	32.4	-25.35	45.47	54	-8.53	-	-	101	122	H
4	2483.512	38.41	VA1T	32.4	-25.35	45.46	54	-8.54	-	-	101	122	H
2	2484.027	50.19	Pk	32.4	-25.34	57.25	-	-	74	-16.75	101	122	H

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	200784 ACF (dB) 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	2483.5	48.39	Pk	32.4	-25.35	55.44	-	-	74	-18.56	43	345	V
3	2483.5	37.77	VA1T	32.4	-25.35	44.82	54	-9.18	-	-	43	345	V
4	2483.512	37.78	VA1T	32.4	-25.35	44.83	54	-9.17	-	-	43	345	V
2	2524.654	50.16	Pk	32.4	-25.34	57.22	-	-	74	-16.78	43	345	V

Pk - Peak detector

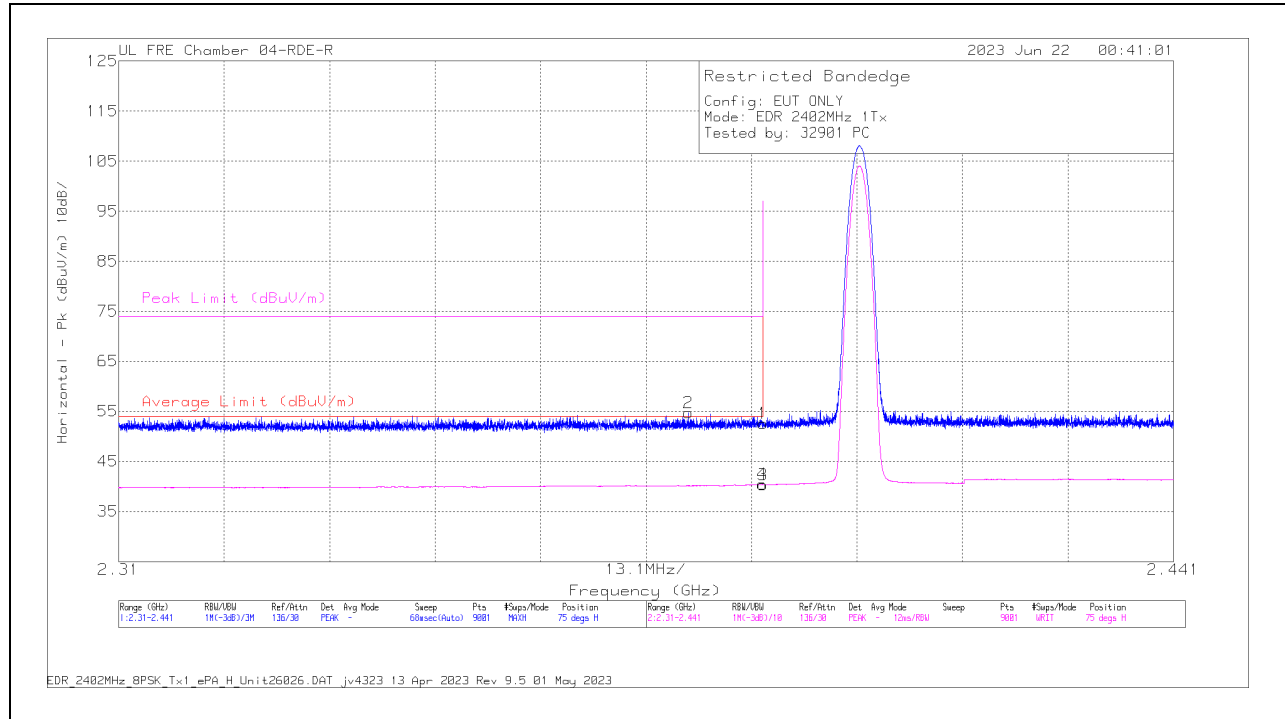
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.3. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

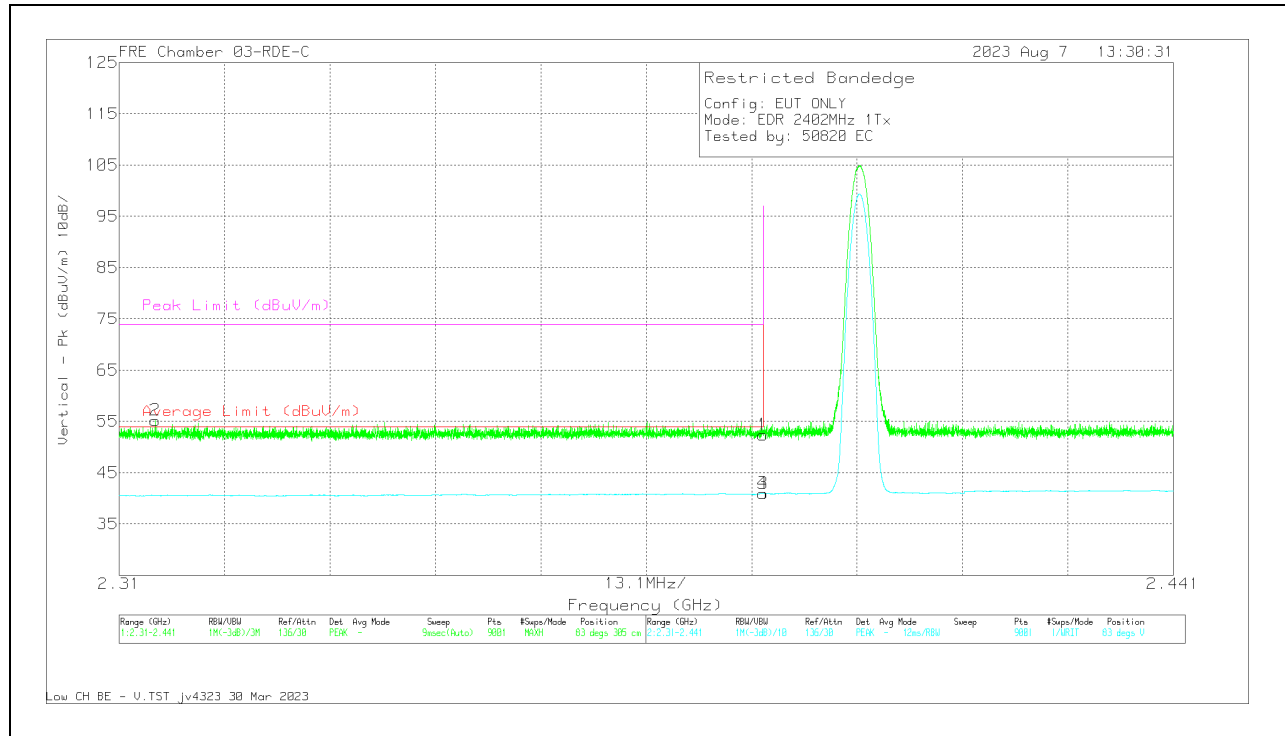
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	DCCF (dB)	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	2.380786	63.54	Pk	31.6	0	-40.42	54.72	-	-	74	-19.28	75	181	H
4	2.389942	49.15	VA1T	31.7	0	-40.44	40.41	54	-13.59	-	-	75	181	H
1	2.39	61.37	Pk	31.7	0	-40.44	52.63	-	-	74	-21.37	75	181	H
3	2.39	49.12	VA1T	31.7	0	-40.44	40.38	54	-13.62	-	-	75	181	H

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

VERTICAL RESULT

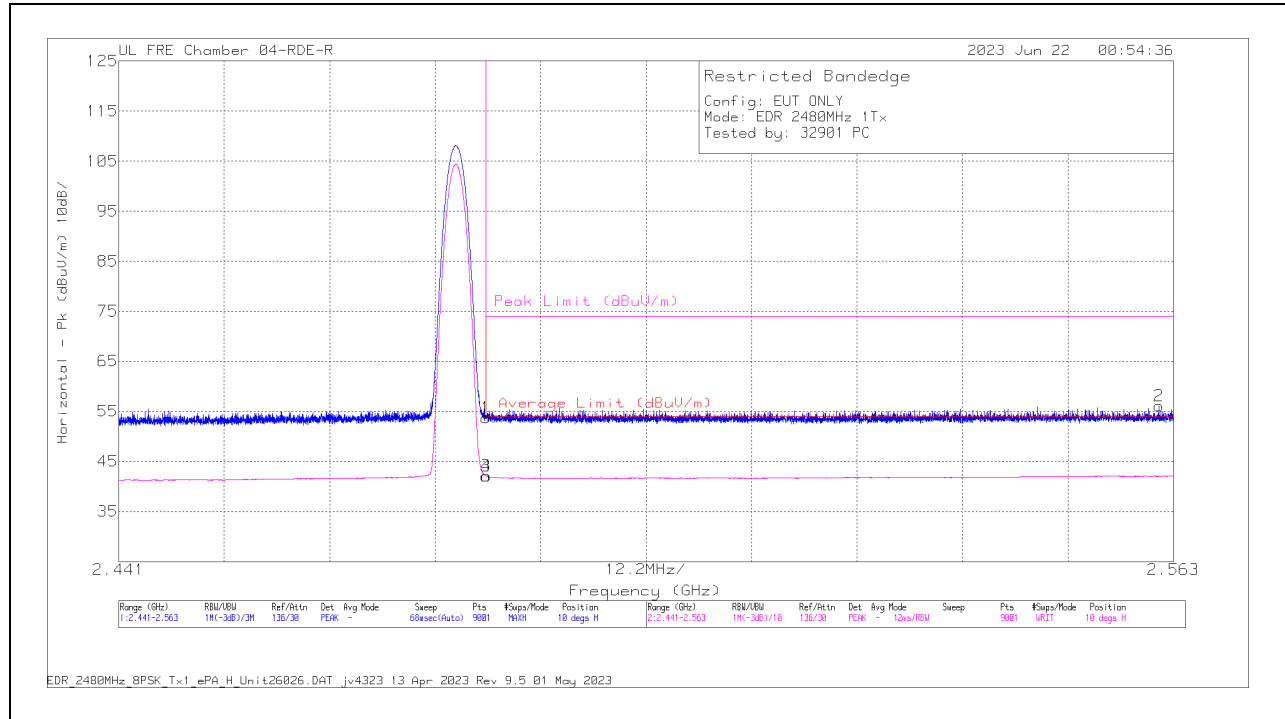


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.314483	63.37	Pk	31.8	0	-39.95	55.22	-	-	74	-18.78	83	305	V
4	* 2.389956	48.67	VA1T	32.1	0	-39.81	40.96	54	-13.04	-	-	83	305	V
1	* 2.39	60.06	Pk	32.1	0	-39.8	52.36	-	-	74	-21.64	83	305	V
3	* 2.39	48.65	VA1T	32.1	0	-39.8	40.95	54	-13.05	-	-	83	305	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)

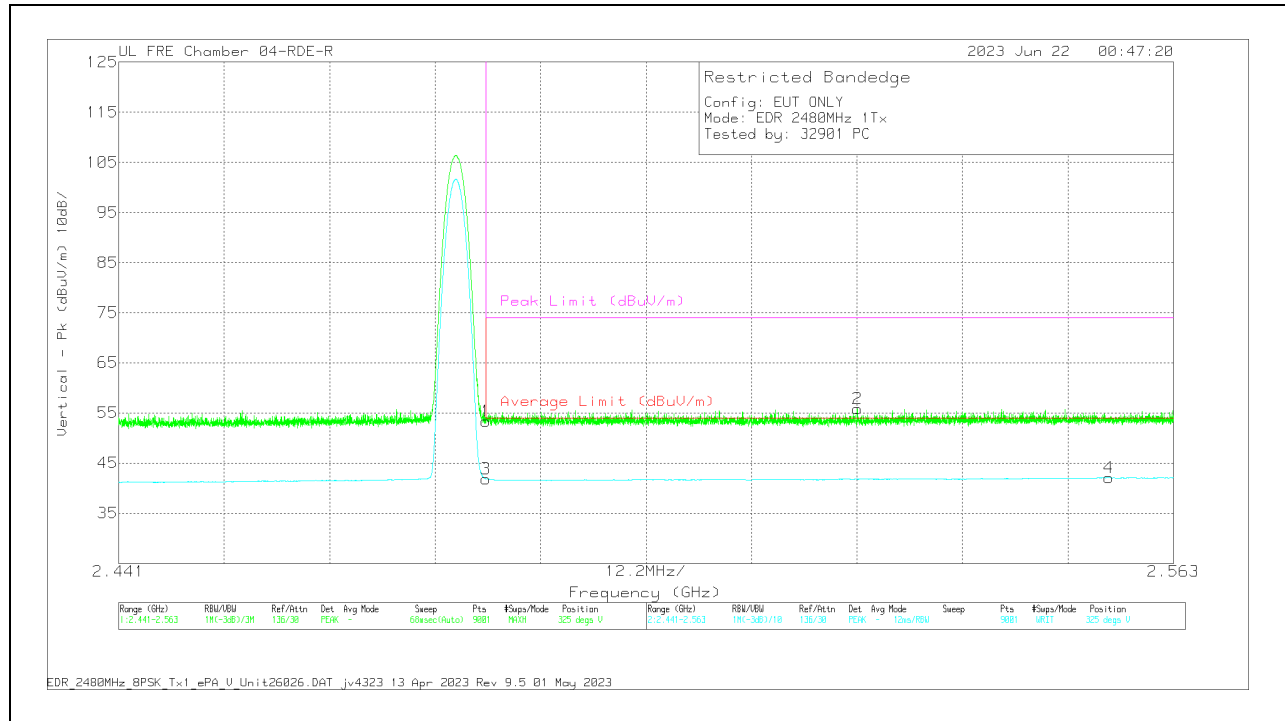
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) -3mH	DCCF (dB)	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	61.98	Pk	32.1	0	-40.37	53.71	-	-	74	-20.29	10	126	H
3	2.4835	50.37	VA1T	32.1	0	-40.37	42.1	54	-11.9	-	-	10	126	H
4	2.483512	50.37	VA1T	32.1	0	-40.37	42.1	54	-11.9	-	-	10	126	H
2	2.561296	64.01	Pk	32.2	0	-40.06	56.15	-	-	74	-17.85	10	126	H

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

VERTICAL RESULT



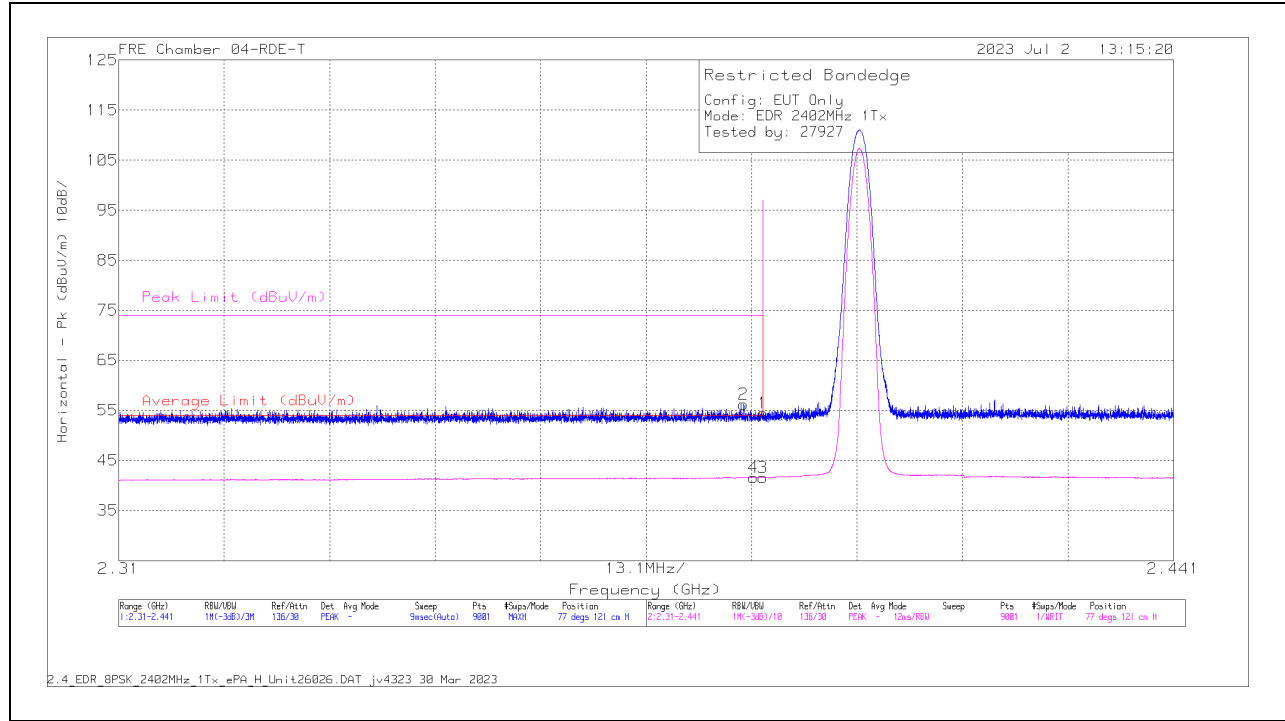
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) -3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	61.61	Pk	32.1	0	-40.37	53.34	-	-	74	-20.66	325	326	V
3	2.4835	50.15	VA1T	32.1	0	-40.37	41.88	54	-12.12	-	-	325	326	V
2	2.52643	63.88	Pk	32.1	0	-40.18	55.8	-	-	74	-18.2	325	326	V
4	2.555508	49.92	VA1T	32.2	0	-40.02	42.1	54	-11.9	-	-	325	326	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

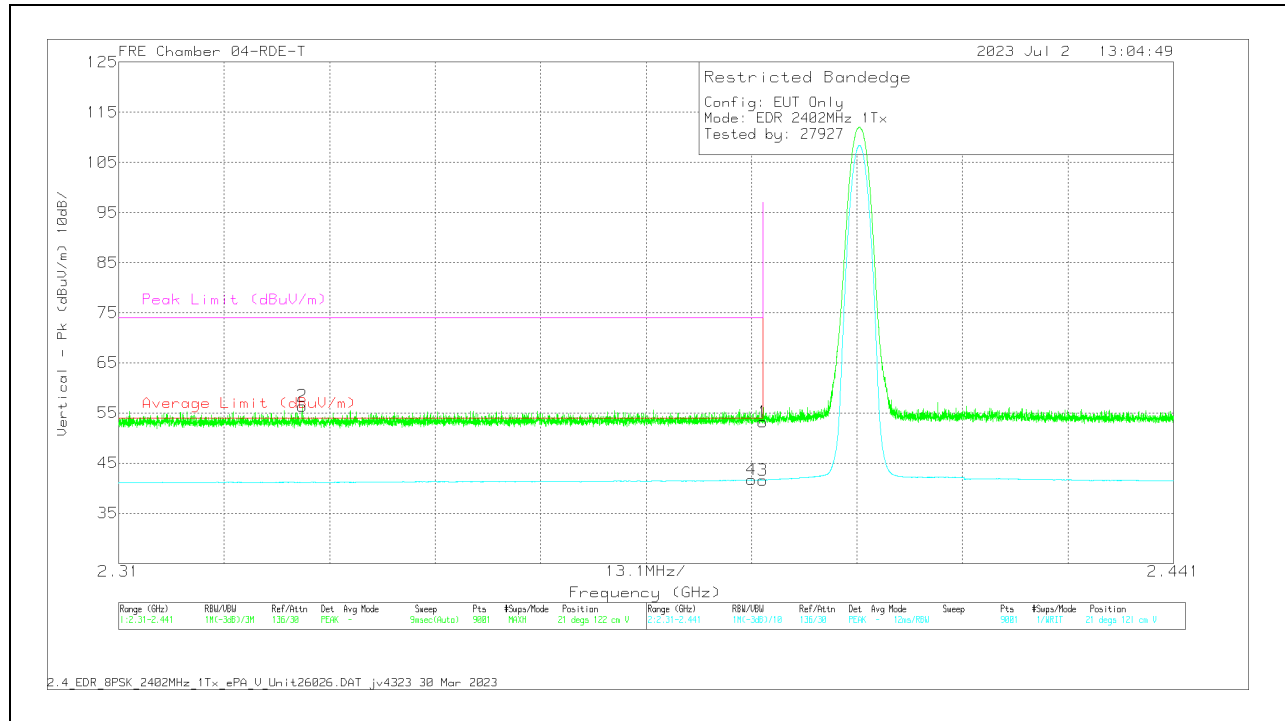
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 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	* 2.39	60.24	Pk	32.1	-37.89	54.45	-	-	74	-19.55	77	121	H
2	* 2.387583	62	Pk	32.1	-37.87	56.23	-	-	74	-17.77	77	121	H
3	* 2.39	47.41	VA1T	32.1	-37.89	41.62	54	-12.38	-	-	77	121	H
4	* 2.388821	47.42	VA1T	32.1	-37.88	41.64	54	-12.36	-	-	77	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) 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	* 2.39	59.01	Pk	32.1	-37.89	53.22	-	-	74	-20.78	21	122	V
2	* 2.332766	62.51	Pk	31.8	-37.9	56.41	-	-	74	-17.59	21	122	V
3	* 2.39	47.42	VA1T	32.1	-37.89	41.63	54	-12.37	-	-	21	121	V
4	* 2.388617	47.46	VA1T	32.1	-37.88	41.68	54	-12.32	-	-	21	121	V

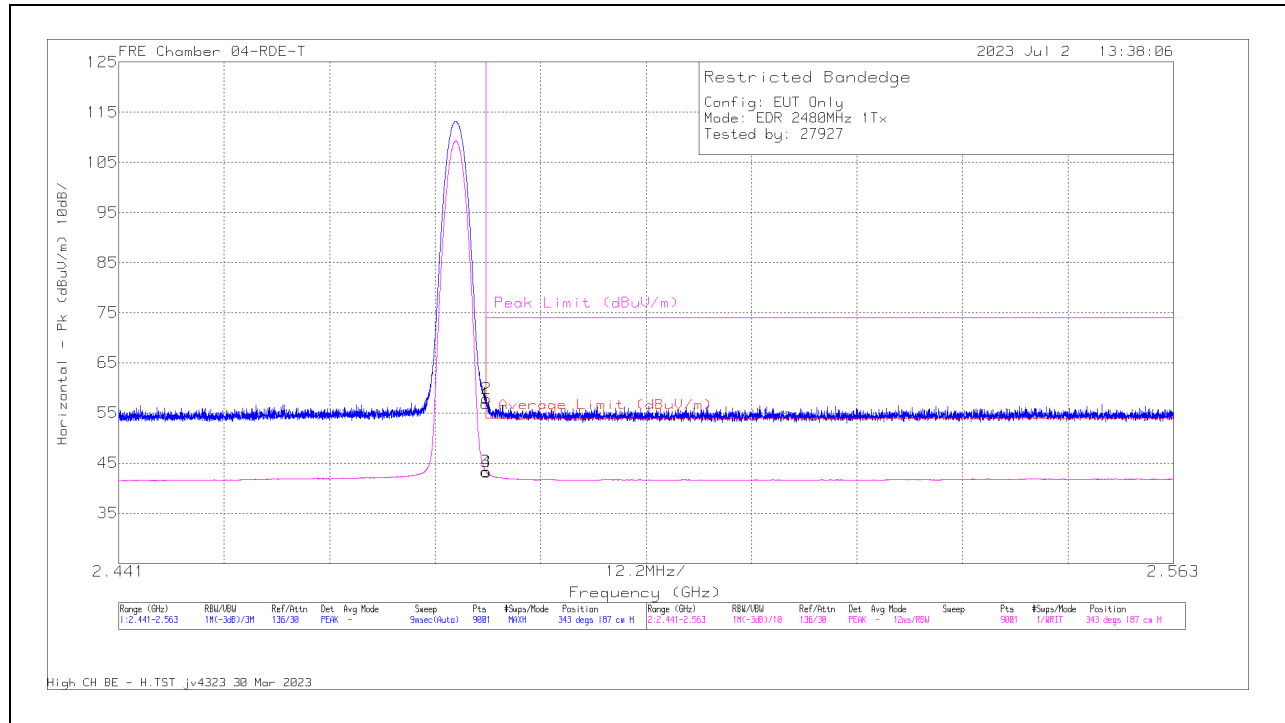
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

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

BANDEDGE (HIGH CHANNEL)

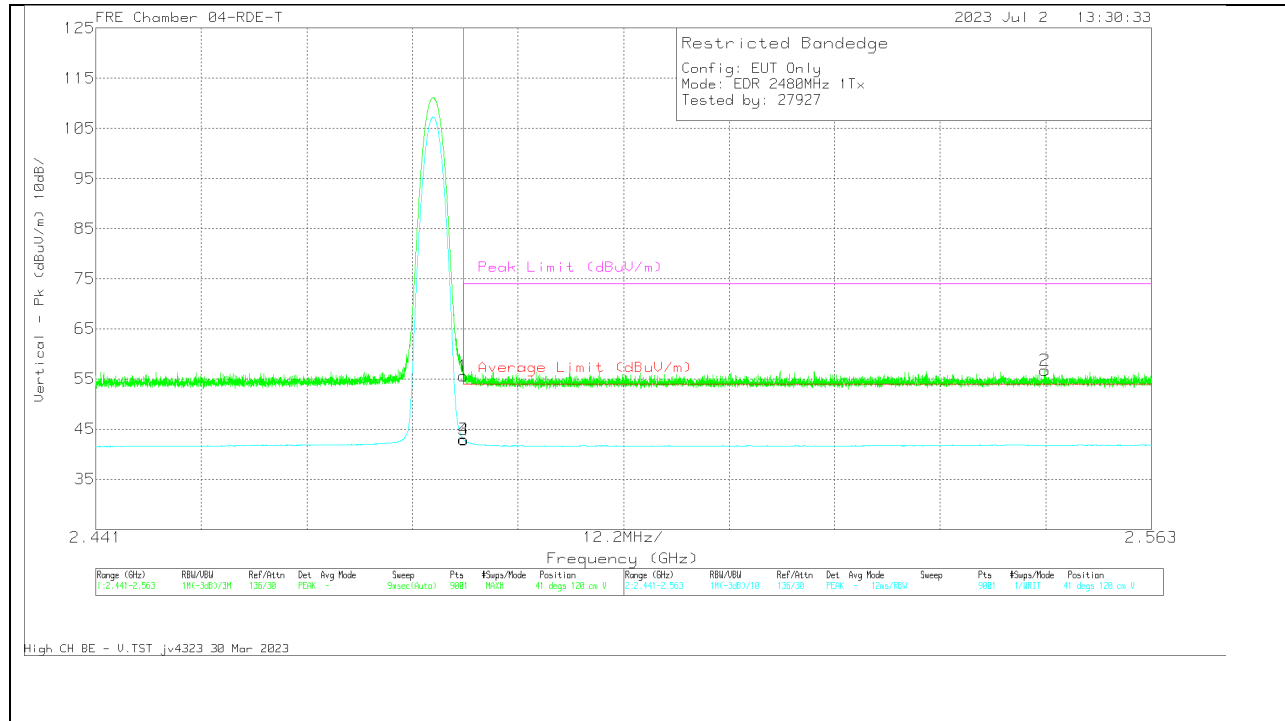
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 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	62.51	Pk	32.2	-37.81	56.9	-	-	74	-17.1	343	187	H
2	* 2.483539	63.47	Pk	32.2	-37.81	57.86	-	-	74	-16.14	343	187	H
3	* 2.4835	48.91	VA1T	32.2	-37.81	43.3	54	-10.7	-	-	343	187	H
4	* 2.483512	48.88	VA1T	32.2	-37.81	43.27	54	-10.73	-	-	343	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



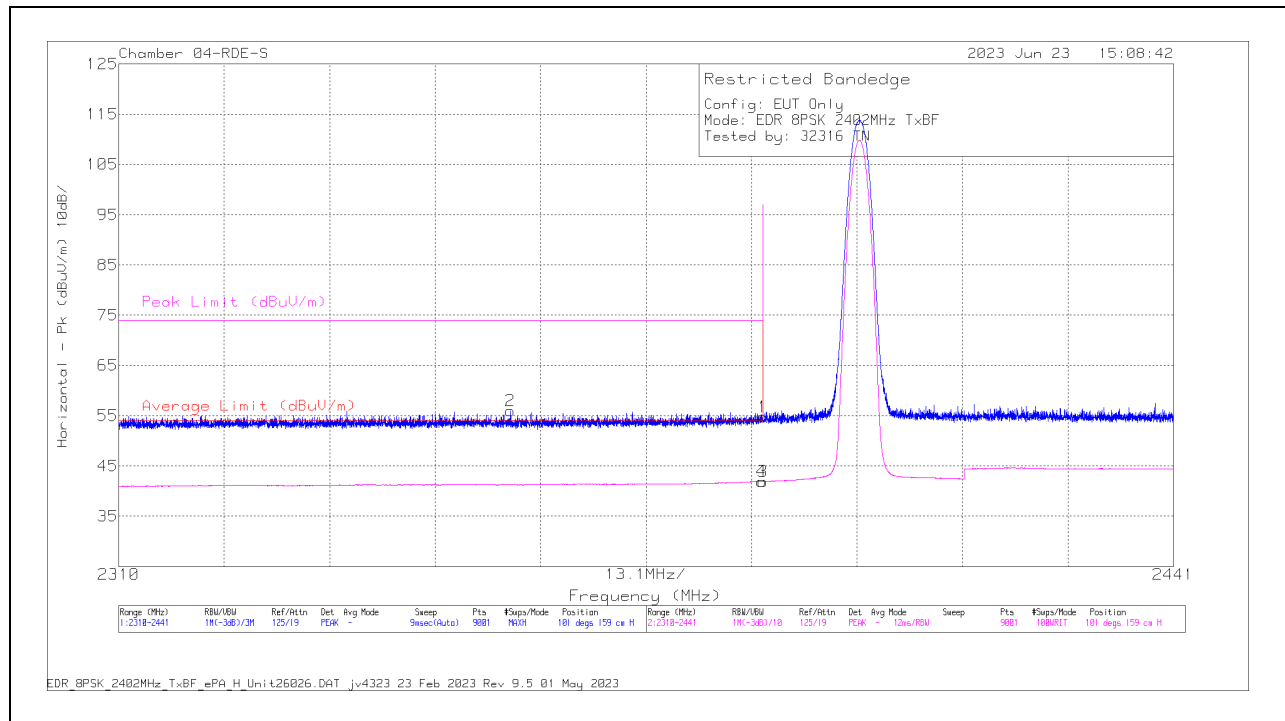
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.23	Pk	32.2	-37.81	55.62	-	-	74	-18.38	41	120	V
3	* 2.4835	48.54	VA1T	32.2	-37.81	42.93	54	-11.07	-	-	41	120	V
4	* 2.483512	48.51	VA1T	32.2	-37.81	42.9	54	-11.1	-	-	41	120	V
2	2.550709	62.22	Pk	32.3	-37.8	56.72	-	-	74	-17.28	41	120	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

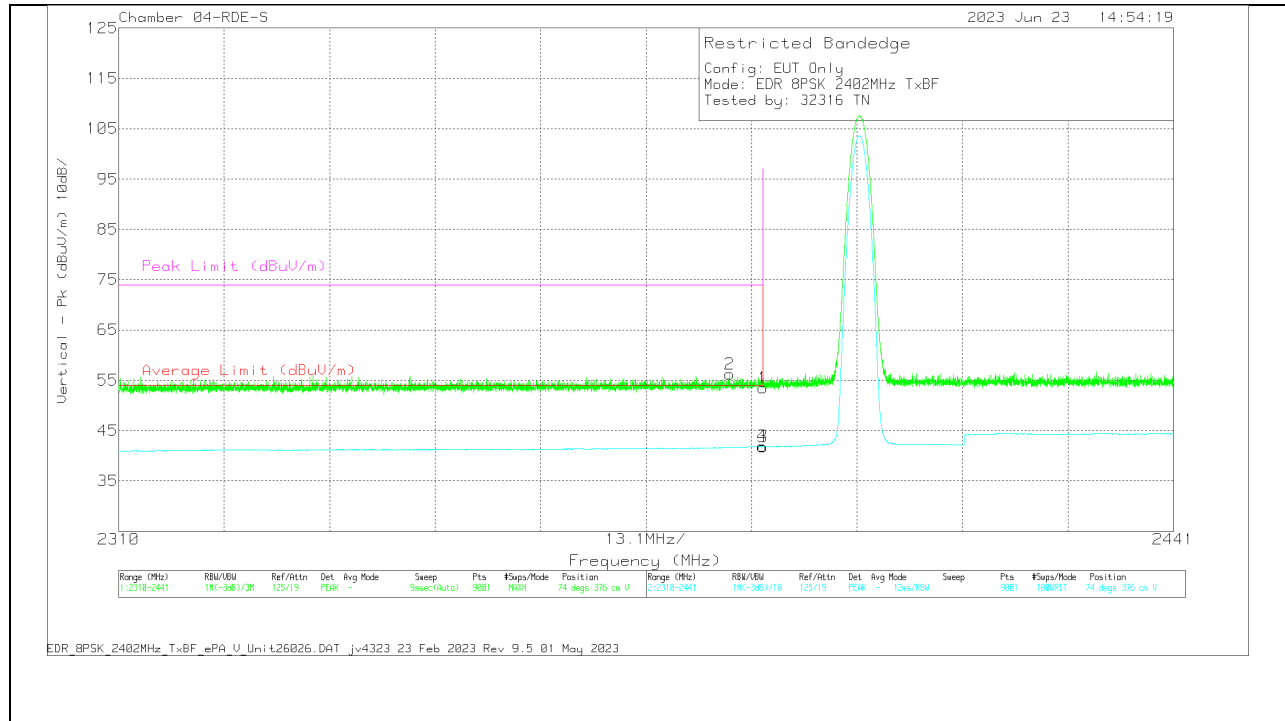


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2358.675	49.68	Pk	32.1	-25.8	55.98	-	-	74	-18.02	101	159	H
4	2389.854	35.22	VA1T	32.3	-25.59	41.93	54	-12.07	-	-	101	159	H
1	2390	48.04	Pk	32.3	-25.59	54.75	-	-	74	-19.25	101	159	H
3	2390	35.2	VA1T	32.3	-25.59	41.91	54	-12.09	-	-	101	159	H

Pk - Peak detector

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

VERTICAL RESULT



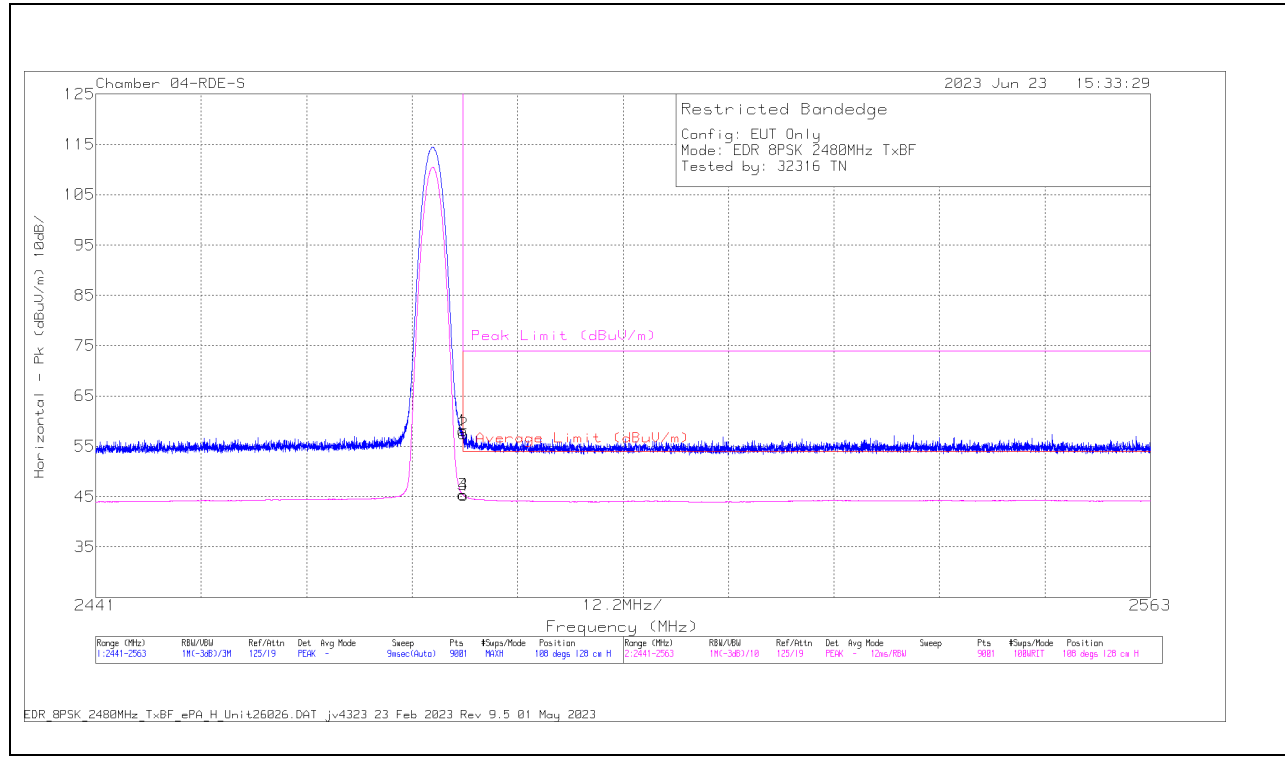
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2385.895	49.59	Pk	32.3	-25.66	56.23	-	-	74	-17.77	74	376	V
4	2389.971	35.14	VA1T	32.3	-25.59	41.85	54	-12.15	-	-	74	376	V
1	2390	46.83	Pk	32.3	-25.59	53.54	-	-	74	-20.46	74	376	V
3	2390	35.13	VA1T	32.3	-25.59	41.84	54	-12.16	-	-	74	376	V

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

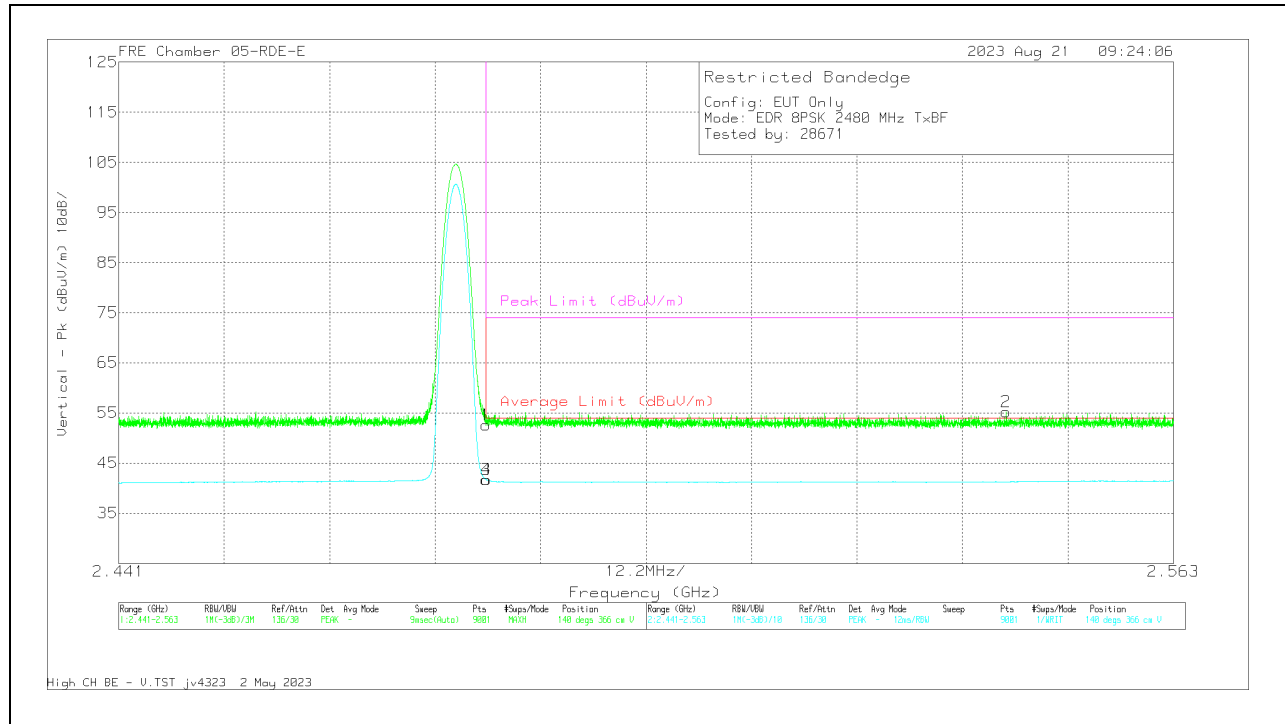


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2483.5	51.07	PK	32.4	-25.35	58.12	-	-	74	-15.88	108	128	H
3	2483.5	38.29	VA1T	32.4	-25.35	45.34	54	-8.66	-	-	108	128	H
2	2483.512	50.48	PK	32.4	-25.35	57.53	-	-	74	-16.47	108	128	H
4	2483.512	38.28	VA1T	32.4	-25.35	45.33	54	-8.67	-	-	108	128	H

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	22671 ACF (dB) 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	60.69	Pk	32.2	-40.3	52.59	-	-	74	-21.41	140	366	V
3	2.4835	49.83	VA1T	32.2	-40.3	41.73	54	-12.27	-	-	140	366	V
4	2.483512	49.82	VA1T	32.2	-40.3	41.72	54	-12.28	-	-	140	366	V
2	2.543673	62.98	Pk	32.4	-40.13	55.25	-	-	74	-18.75	140	366	V

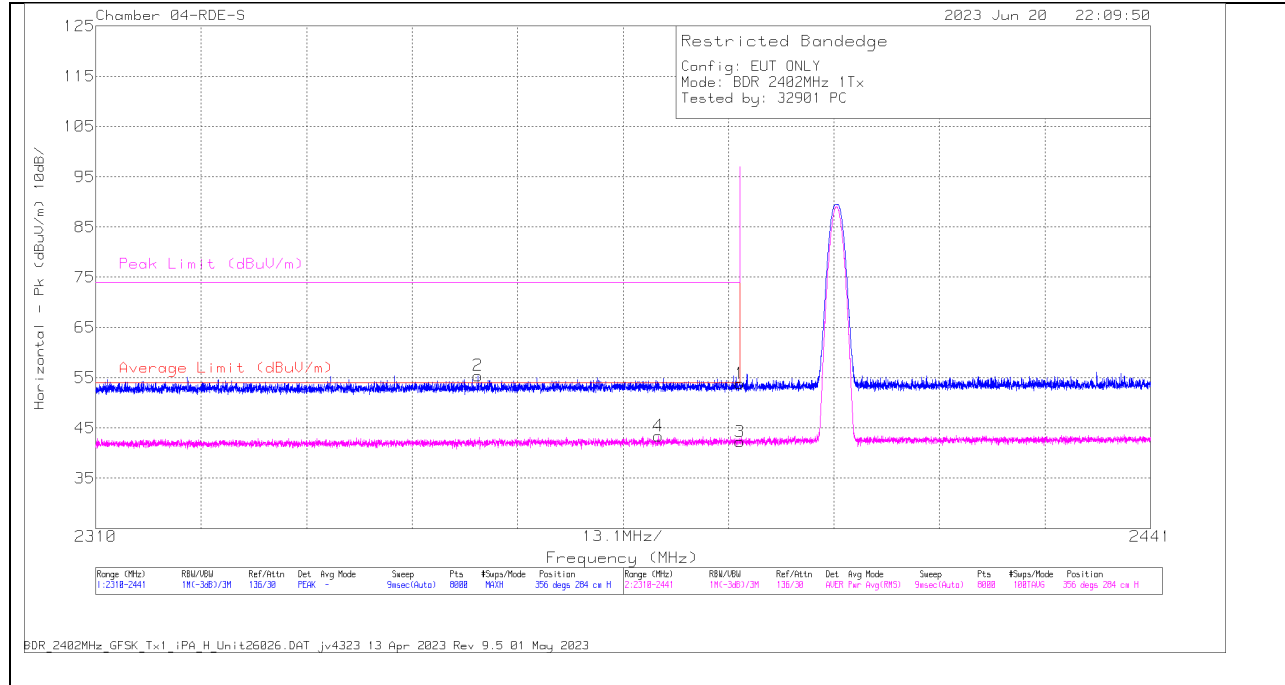
Pk - Peak detector
 VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

10.1.5. LOW POWER BASIC DATA RATE GFSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

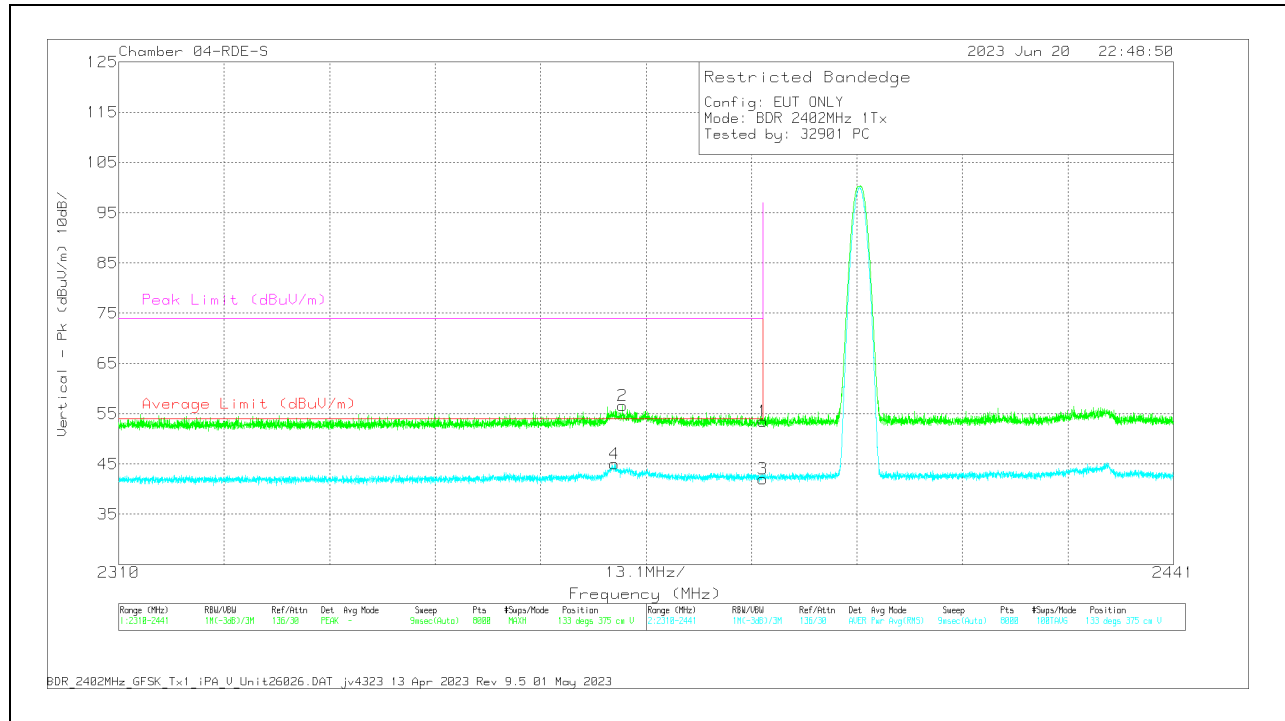
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	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	2357.461	63.63	Pk	32.1	0	-40.3	55.43	-	-	74	-18.57	356	284	H
4	2379.897	51.5	RMS	32.2	0	-40.24	43.46	54	-10.54	-	-	356	284	H
1	2390	61.77	Pk	32.3	0	-40.2	53.87	-	-	74	-20.13	356	284	H
3	2390	50.19	RMS	32.3	0	-40.2	42.29	54	-11.71	-	-	356	284	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

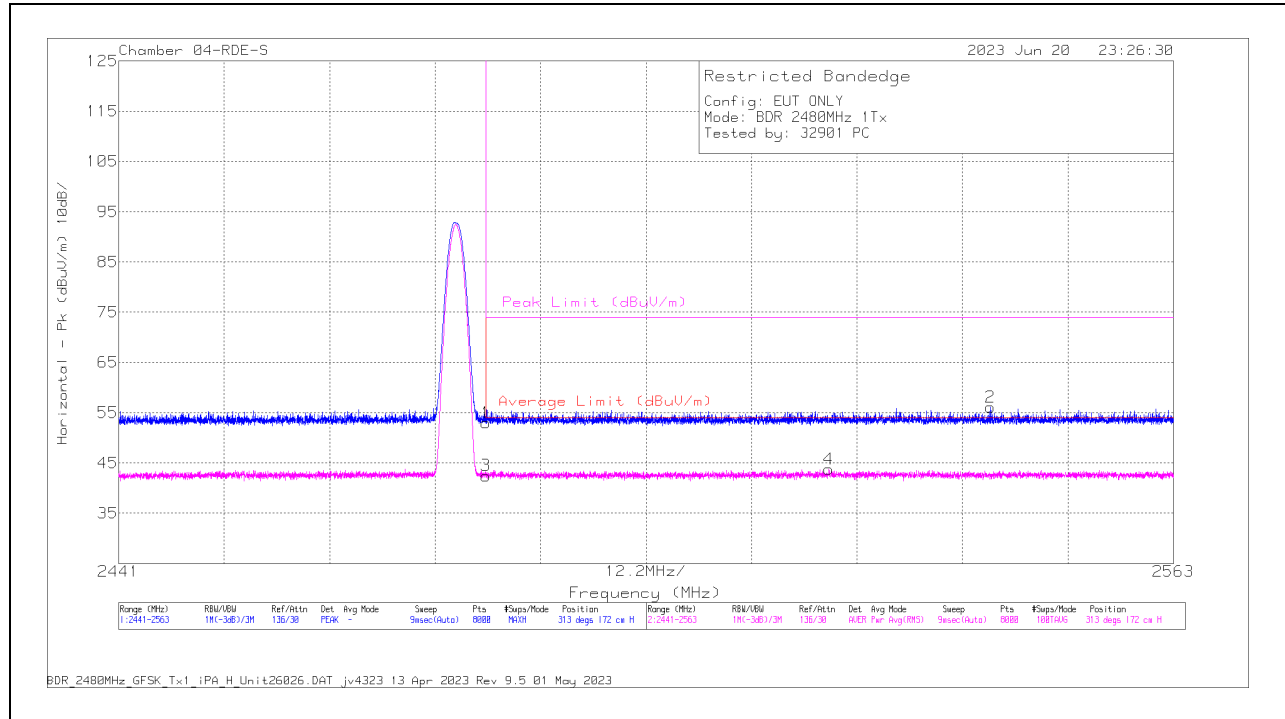


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2371.594	53.07	RMS	32.2	0	-40.28	44.99	54	-9.01	-	-	133	375	V
2	2372.593	64.73	Pk	32.2	0	-40.27	56.66	-	-	74	-17.34	133	375	V
1	2390	61.41	Pk	32.3	0	-40.2	53.51	-	-	74	-20.49	133	375	V
3	2390	49.9	RMS	32.3	0	-40.2	42	54	-12	-	-	133	375	V

Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

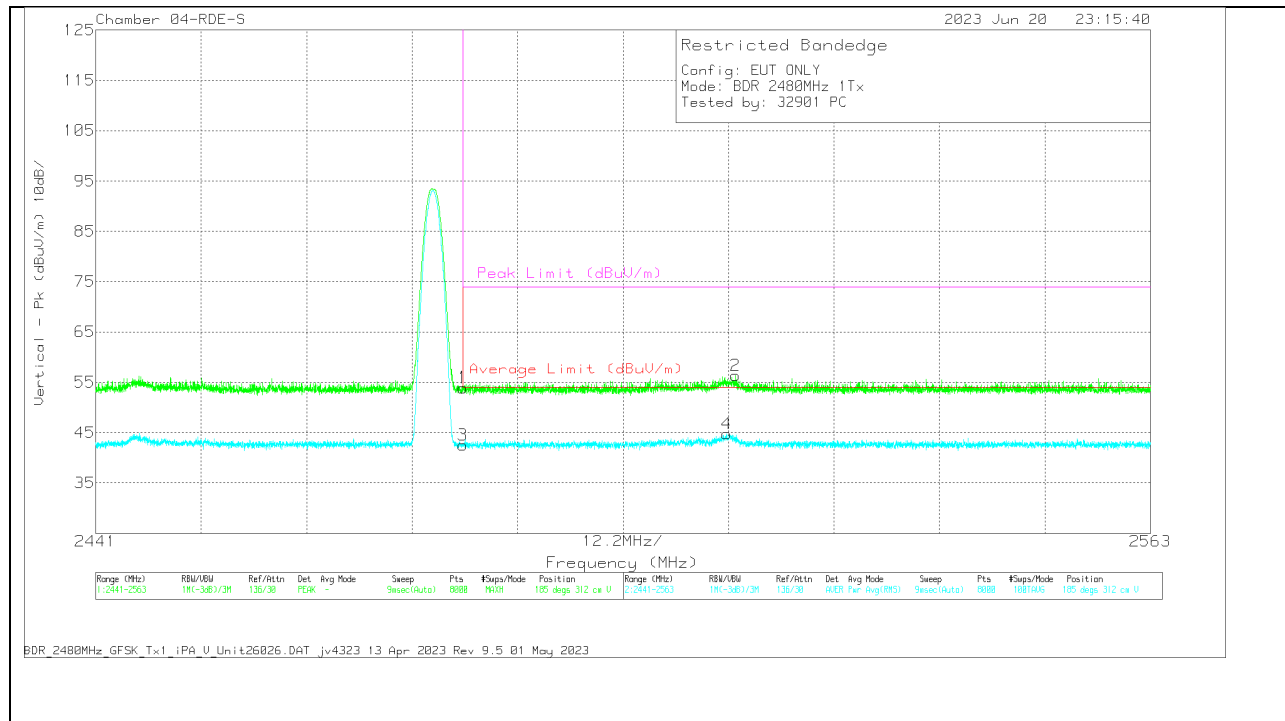
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	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	60.53	Pk	32.4	0	-39.96	52.97	-	-	74	-21.03	313	172	H
3	2483.5	50.03	RMS	32.4	0	-39.96	42.47	54	-11.53	-	-	313	172	H
4	2523.147	51.24	RMS	32.4	0	-39.89	43.75	54	-10.25	-	-	313	172	H
2	2541.861	63.65	Pk	32.4	0	-39.92	56.13	-	-	74	-17.87	313	172	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



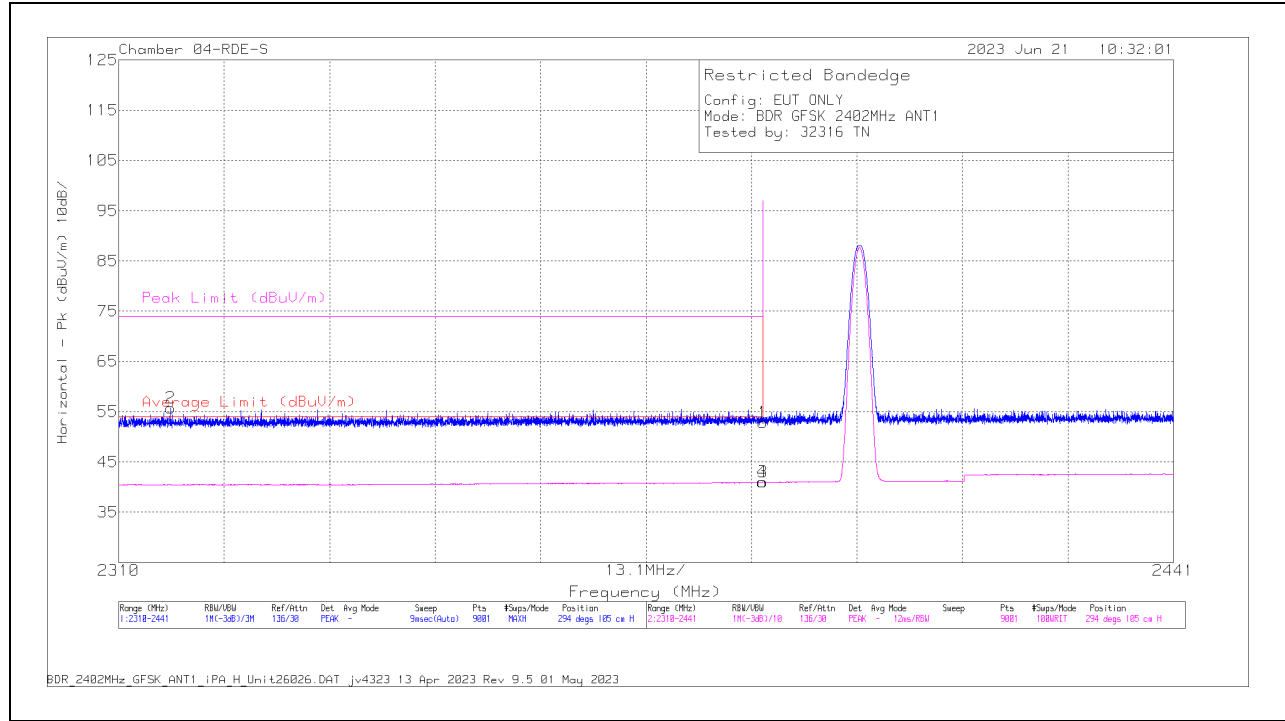
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2483.5	61.49	Pk	32.4	0	-39.96	53.93	-	-	74	-20.07	185	312	V
3	2483.5	50.14	RMS	32.4	0	-39.96	42.58	54	-11.42	-	-	185	312	V
4	2513.966	52.33	RMS	32.4	0	-39.91	44.82	54	-9.18	-	-	185	312	V
2	2515.033	63.82	Pk	32.4	0	-39.91	56.31	-	-	74	-17.69	185	312	V

Pk - Peak detector
 RMS - RMS detection

ANT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

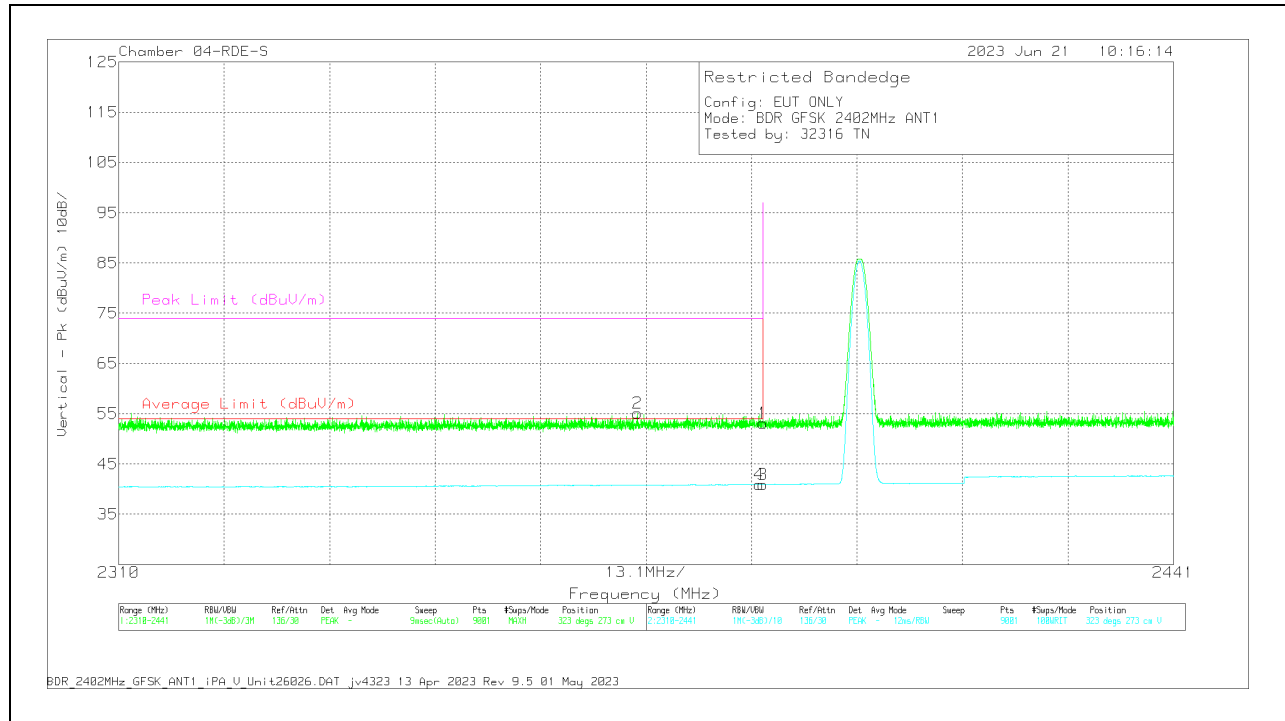


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2316.434	64.16	Pk	32	-40.38	55.78	-	-	74	-18.22	294	105	H
4	2389.956	48.89	VA1T	32.3	-40.2	40.99	54	-13.01	-	-	294	105	H
1	2390	60.76	Pk	32.3	-40.2	52.86	-	-	74	-21.14	294	105	H
3	2390	48.88	VA1T	32.3	-40.2	40.98	54	-13.02	-	-	294	105	H

Pk - Peak detector

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

VERTICAL RESULT



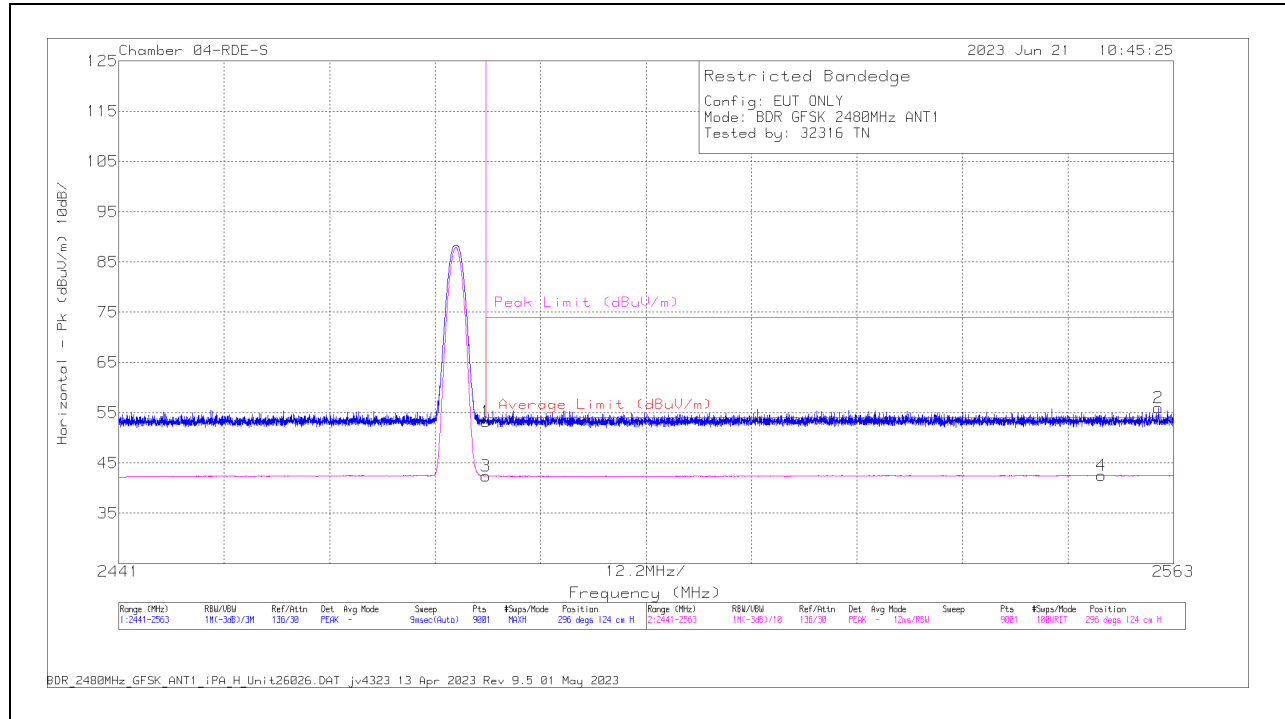
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2374.425	63.12	Pk	32.2	-40.26	55.06	-	-	74	-18.94	323	273	V
4	2389.563	48.85	VA1T	32.3	-40.2	40.95	54	-13.05	-	-	323	273	V
1	2390	61.02	Pk	32.3	-40.2	53.12	-	-	74	-20.88	323	273	V
3	2390	48.83	VA1T	32.3	-40.2	40.93	54	-13.07	-	-	323	273	V

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

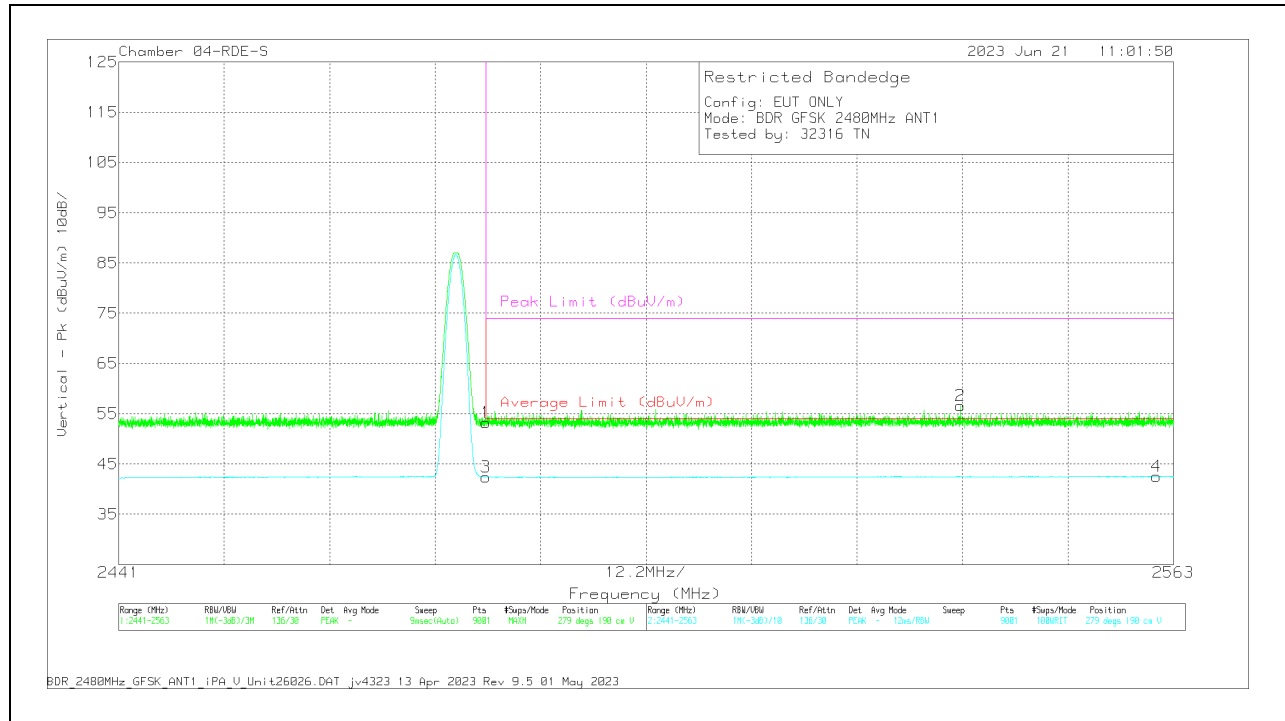


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2483.5	60.81	Pk	32.4	-39.96	53.25	-	-	74	-20.75	296	124	H
3	2483.5	49.98	VA1T	32.4	-39.96	42.42	54	-11.58	-	-	296	124	H
4	2554.654	50.01	VA1T	32.4	-39.84	42.57	54	-11.43	-	-	296	124	H
2	2561.269	63.5	Pk	32.3	-39.85	55.95	-	-	74	-18.05	296	124	H

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	200784 ACF (dB) 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	2483.5	60.77	Pk	32.4	-39.96	53.21	-	-	74	-20.79	279	190	V
3	2483.5	49.96	VA1T	32.4	-39.96	42.4	54	-11.6	-	-	279	190	V
2	2538.332	64.07	Pk	32.4	-39.89	56.58	-	-	74	-17.42	279	190	V
4	2561.052	50.11	VA1T	32.3	-39.85	42.56	54	-11.44	-	-	279	190	V

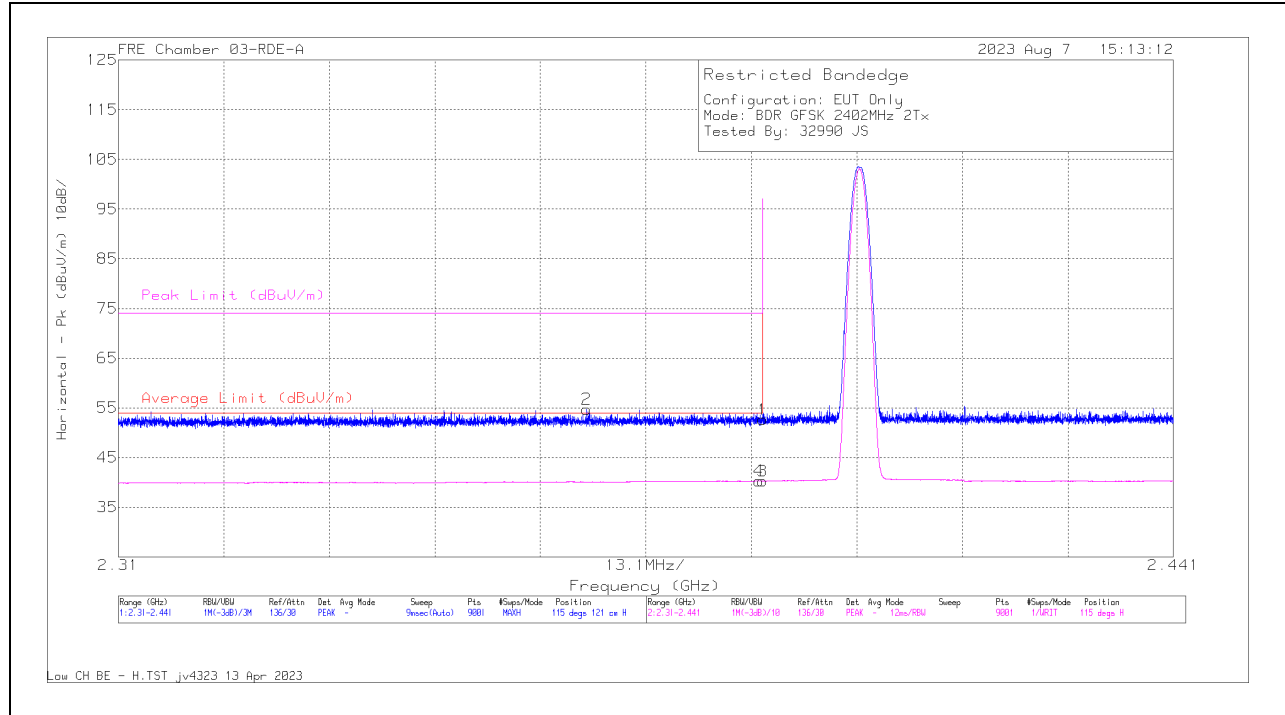
Pk - Peak detector

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

10.1.6. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

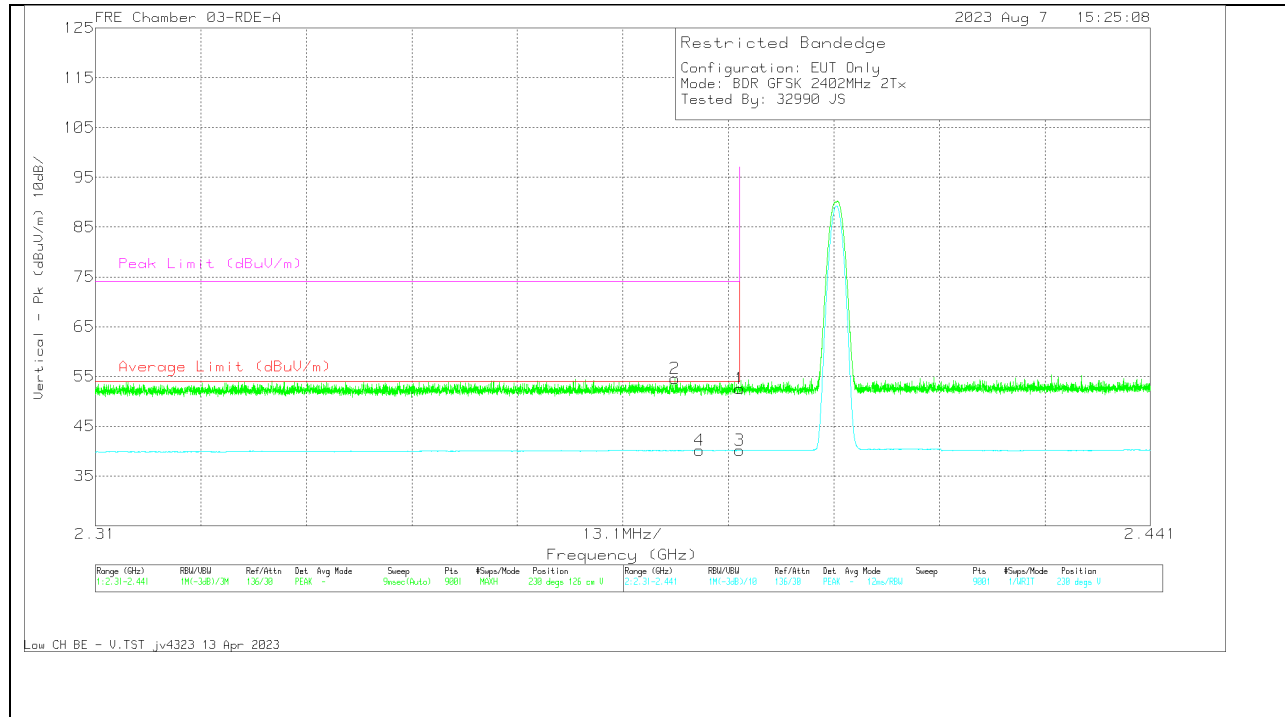
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.16	Pk	31.9	0	-40.42	52.64	-	-	74	-21.36	115	121	H
2	* 2.368166	63.31	Pk	31.8	0	-40.41	54.7	-	-	74	-19.3	115	121	H
3	* 2.39	48.78	VA1T	31.9	0	-40.42	40.26	54	-13.74	-	-	115	121	H
4	* 2.389563	48.83	VA1T	31.9	0	-40.42	40.31	54	-13.69	-	-	115	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

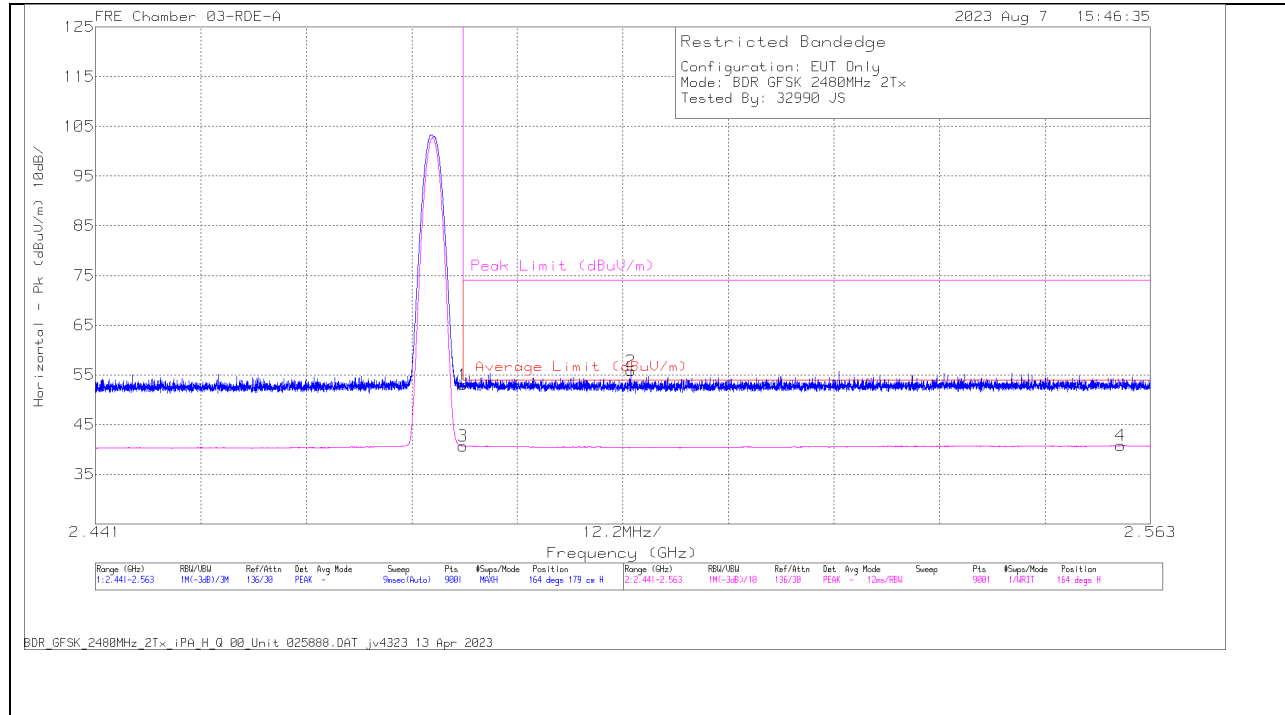


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.1	Pk	31.9	0	-40.42	52.58	-	-	74	-21.42	230	126	V
2	* 2.381994	63.15	Pk	31.9	0	-40.41	54.64	-	-	74	-19.36	230	126	V
3	* 2.39	48.71	VA1T	31.9	0	-40.42	40.19	54	-13.81	-	-	230	126	V
4	* 2.385036	48.69	VA1T	31.9	0	-40.38	40.21	54	-13.79	-	-	230	126	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)

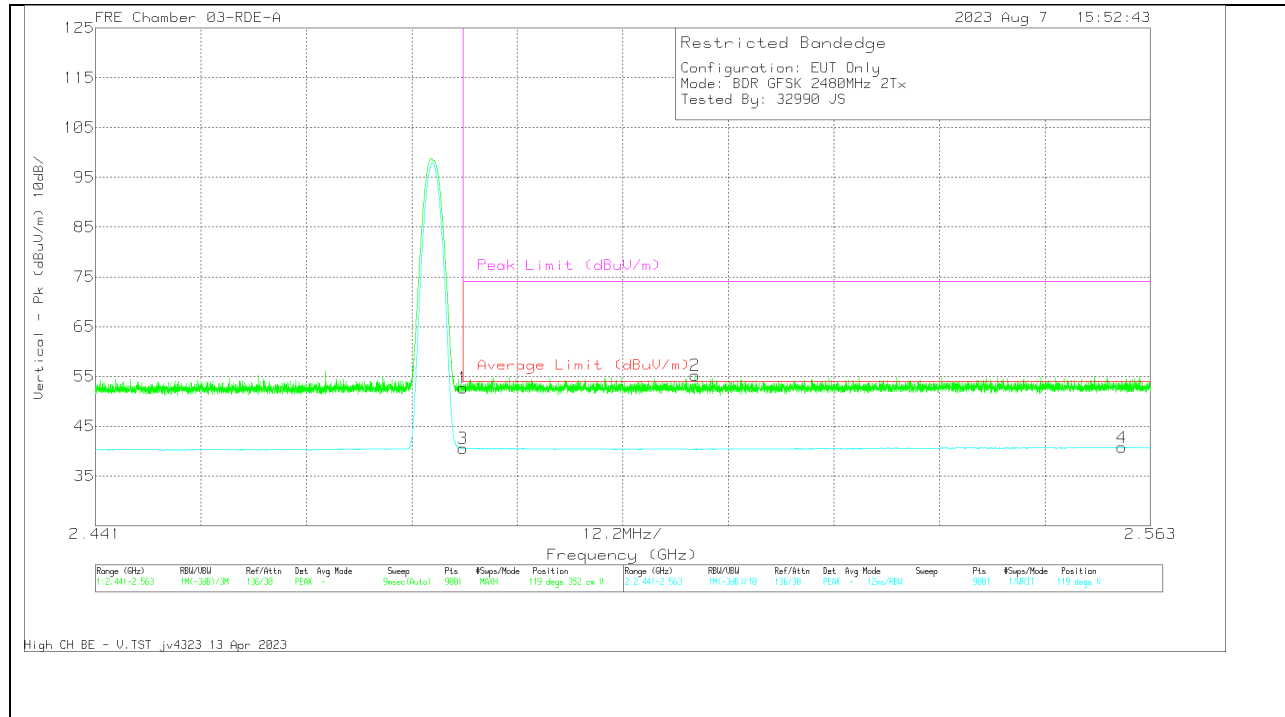
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB) 3mH	DCCF (dB)	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	32.2	0	-40.11	53.01	-	-	74	-20.99	164	179	H
3	* 2.4835	48.61	VA1T	32.2	0	-40.11	40.7	54	-13.3	-	-	164	178	H
2	2.50291	63.67	PK	32.2	0	-40.08	55.79	-	-	74	-18.21	164	179	H
4	2.55952	48.48	VA1T	32.2	0	-39.9	40.78	54	-13.22	-	-	164	178	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	200897 ACF (dB) 3mH	DCCF (dB)	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	60.6	Pk	32.2	0	-40.11	52.69	-	-	74	-21.31	119	352	V
3	* 2.4835	48.46	VA1T	32.2	0	-40.11	40.55	54	-13.45	-	-	119	352	V
2	2.510312	63.14	Pk	32.2	0	-40.08	55.26	-	-	74	-18.74	119	352	V
4	2.55971	48.45	VA1T	32.2	0	-39.9	40.75	54	-13.25	-	-	119	352	V

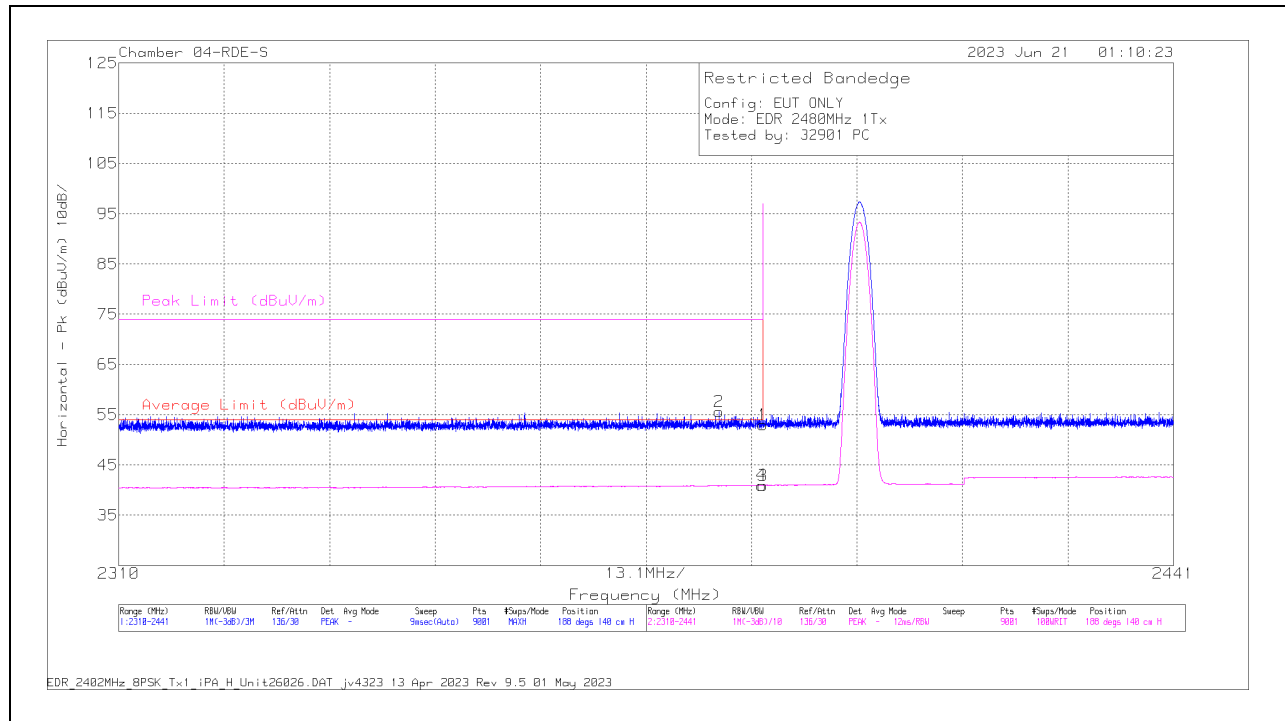
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

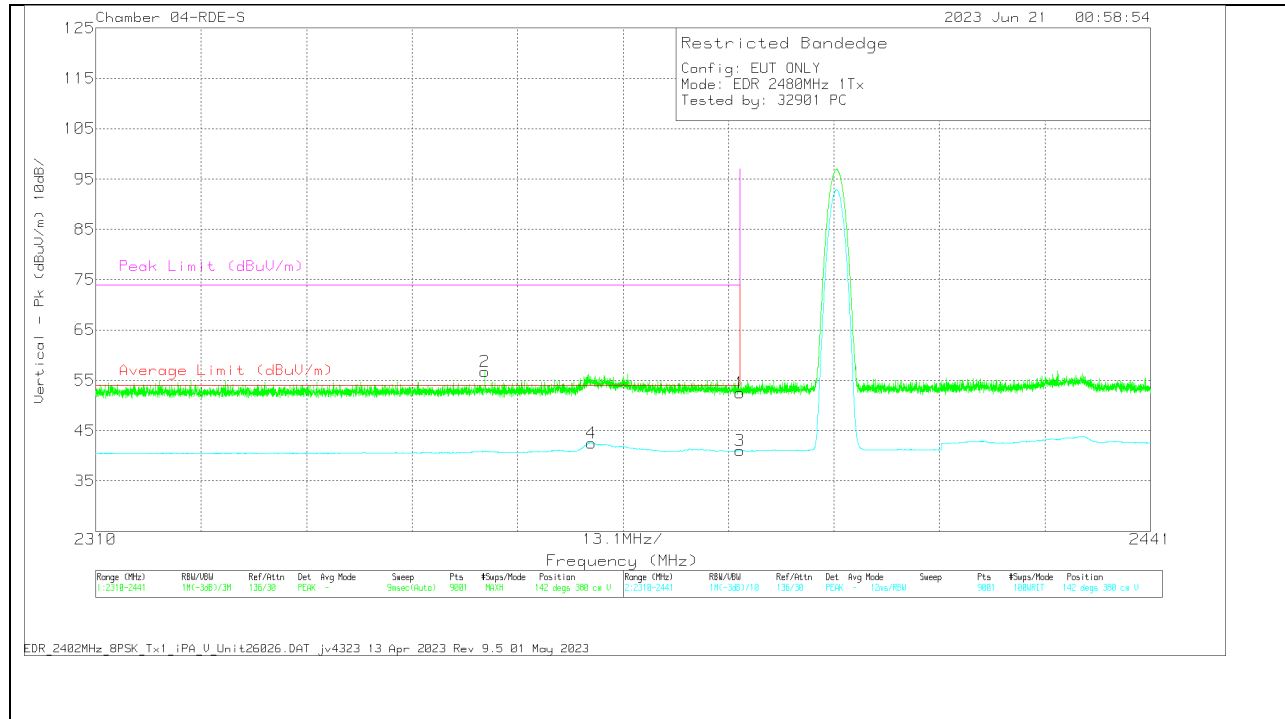


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2384.585	63.51	Pk	32.3	0	-40.24	55.57	-	-	74	-18.43	188	140	H
4	2389.825	48.87	VA1T	32.3	0	-40.2	40.97	54	-13.03	-	-	188	140	H
1	2390	60.9	Pk	32.3	0	-40.2	53	-	-	74	-21	188	140	H
3	2390	48.85	VA1T	32.3	0	-40.2	40.95	54	-13.05	-	-	188	140	H

Pk - Peak detector

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

VERTICAL RESULT



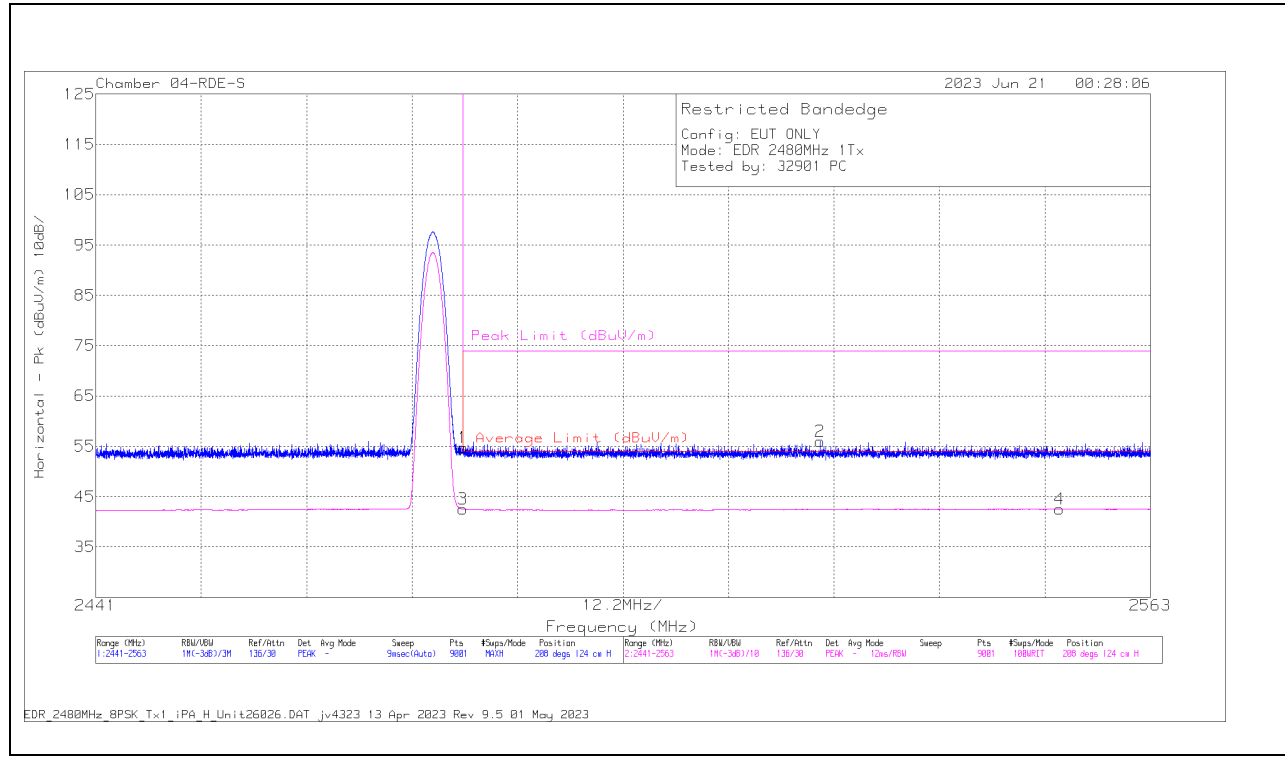
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3MHz	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2358.311	64.93	Pk	32.1	0	-40.29	56.74	-	-	74	-17.26	142	380	V
4	2371.528	50.62	VA1T	32.2	0	-40.28	42.54	54	-11.46	-	-	142	380	V
1	2390	60.37	Pk	32.3	0	-40.2	52.47	-	-	74	-21.53	142	380	V
3	2390	48.89	VA1T	32.3	0	-40.2	40.99	54	-13.01	-	-	142	380	V

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

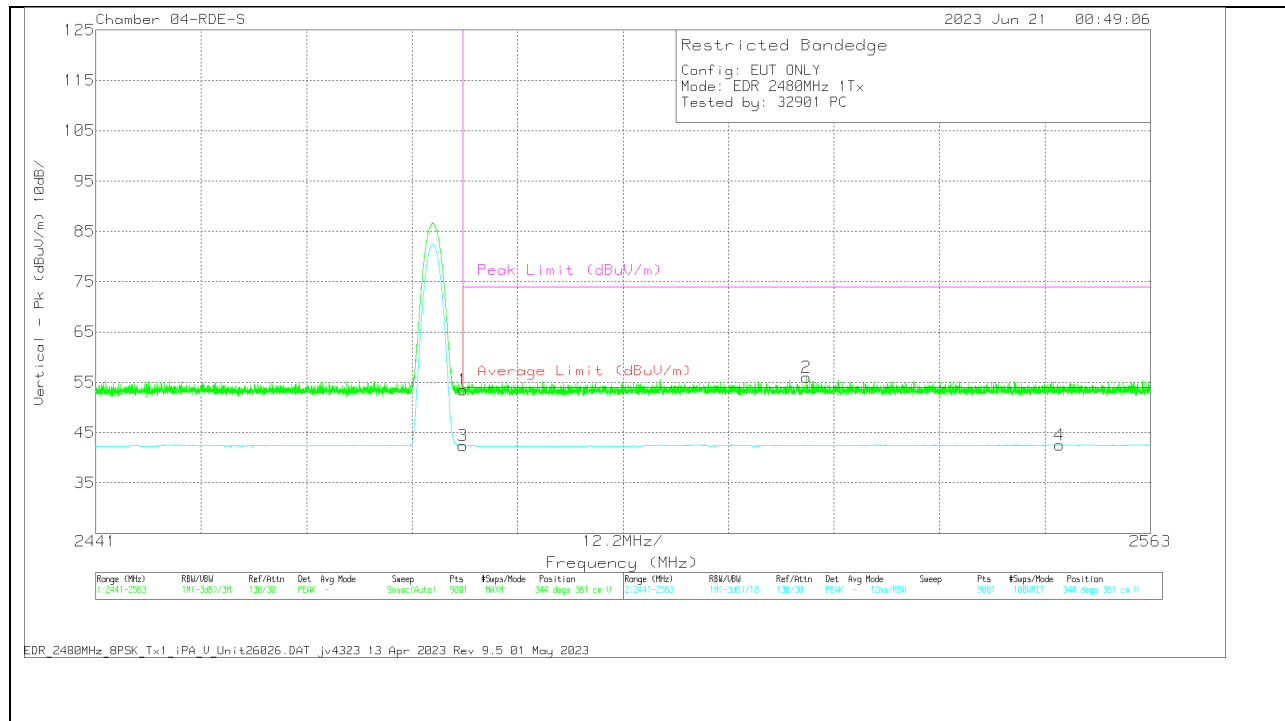


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3MHz	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2483.5	62.34	Pk	32.4	0	-39.96	54.78	-	-	74	-19.22	208	124	H
3	2483.5	50.09	VA1T	32.4	0	-39.96	42.53	54	-11.47	-	-	208	124	H
2	2524.79	63.46	Pk	32.4	0	-39.91	55.95	-	-	74	-18.05	208	124	H
4	2552.471	50.01	VA1T	32.4	0	-39.85	42.56	54	-11.44	-	-	208	124	H

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	200784 ACF (dB) 3MHz	DCCF (dB)	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	61	Pk	32.4	0	-39.96	53.44	-	-	74	-20.56	344	361	V
3	2483.5	49.95	VA1T	32.4	0	-39.96	42.39	54	-11.61	-	-	344	361	V
2	2523.176	63.51	Pk	32.4	0	-39.89	56.02	-	-	74	-17.98	344	361	V
4	2552.457	50.01	VA1T	32.4	0	-39.85	42.56	54	-11.44	-	-	344	361	V

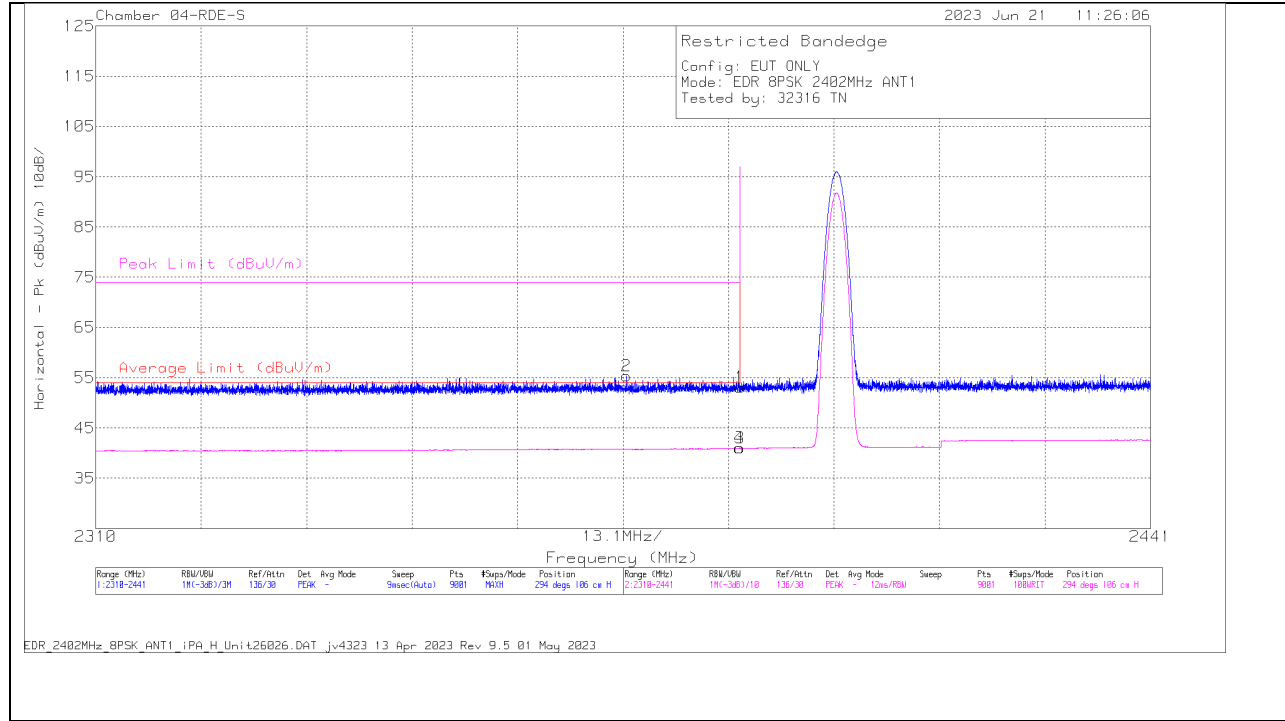
Pk - Peak detector

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

ANT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

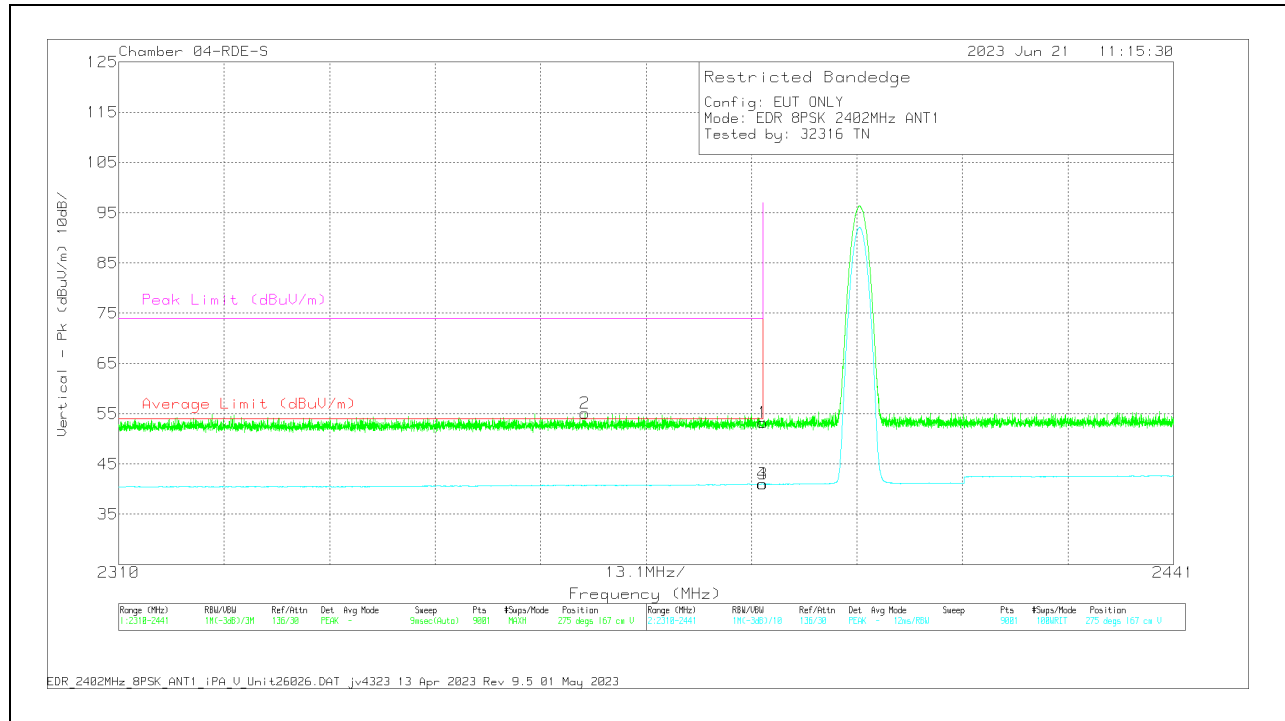


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2375.91	63.42	Pk	32.2	-40.27	55.35	-	-	74	-18.65	294	106	H
4	2389.898	48.89	VA1T	32.3	-40.2	40.99	54	-13.01	-	-	294	106	H
1	2390	61.04	Pk	32.3	-40.2	53.14	-	-	74	-20.86	294	106	H
3	2390	48.88	VA1T	32.3	-40.2	40.98	54	-13.02	-	-	294	106	H

Pk - Peak detector

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

VERTICAL RESULT



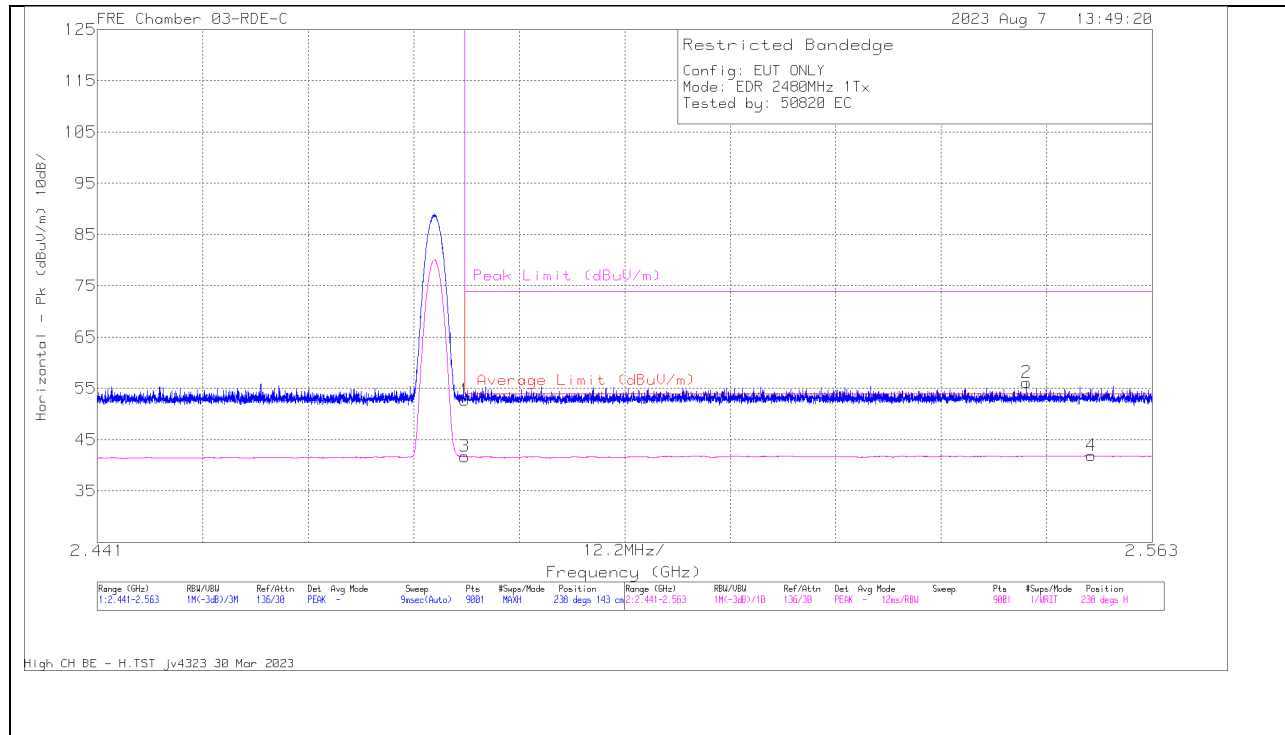
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2367.904	63.16	Pk	32.2	-40.29	55.07	-	-	74	-18.93	275	167	V
4	2389.898	48.92	VA1T	32.3	-40.2	41.02	54	-12.98	-	-	275	167	V
1	2390	61.1	Pk	32.3	-40.2	53.2	-	-	74	-20.8	275	167	V
3	2390	48.88	VA1T	32.3	-40.2	40.98	54	-13.02	-	-	275	167	V

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

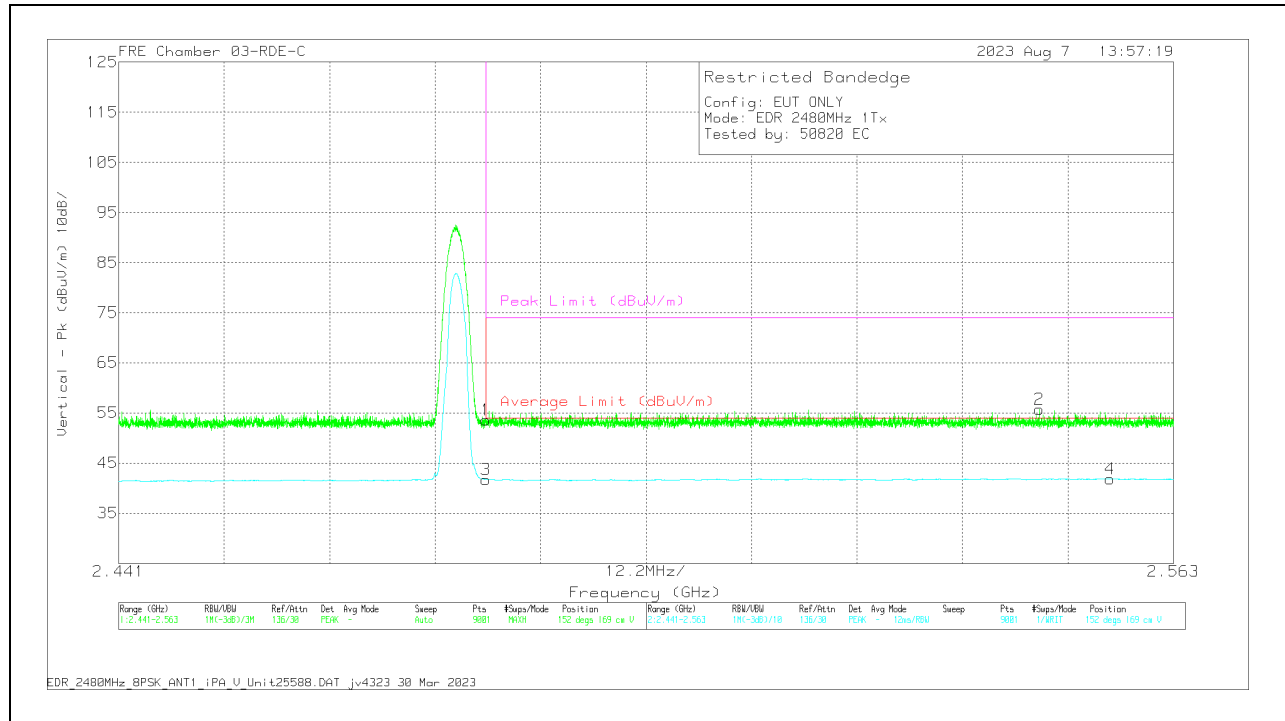
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	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	60.12	Pk	32.2	0	-39.6	52.72	-	-	74	-21.28	238	143	H
3	* 2.4835	49.13	VA1T	32.2	0	-39.6	41.73	54	-12.27	-	-	238	143	H
2	2.548458	63.37	Pk	32.3	0	-39.5	56.17	-	-	74	-17.83	238	143	H
4	2.555955	49.01	VA1T	32.3	0	-39.4	41.91	54	-12.09	-	-	238	143	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



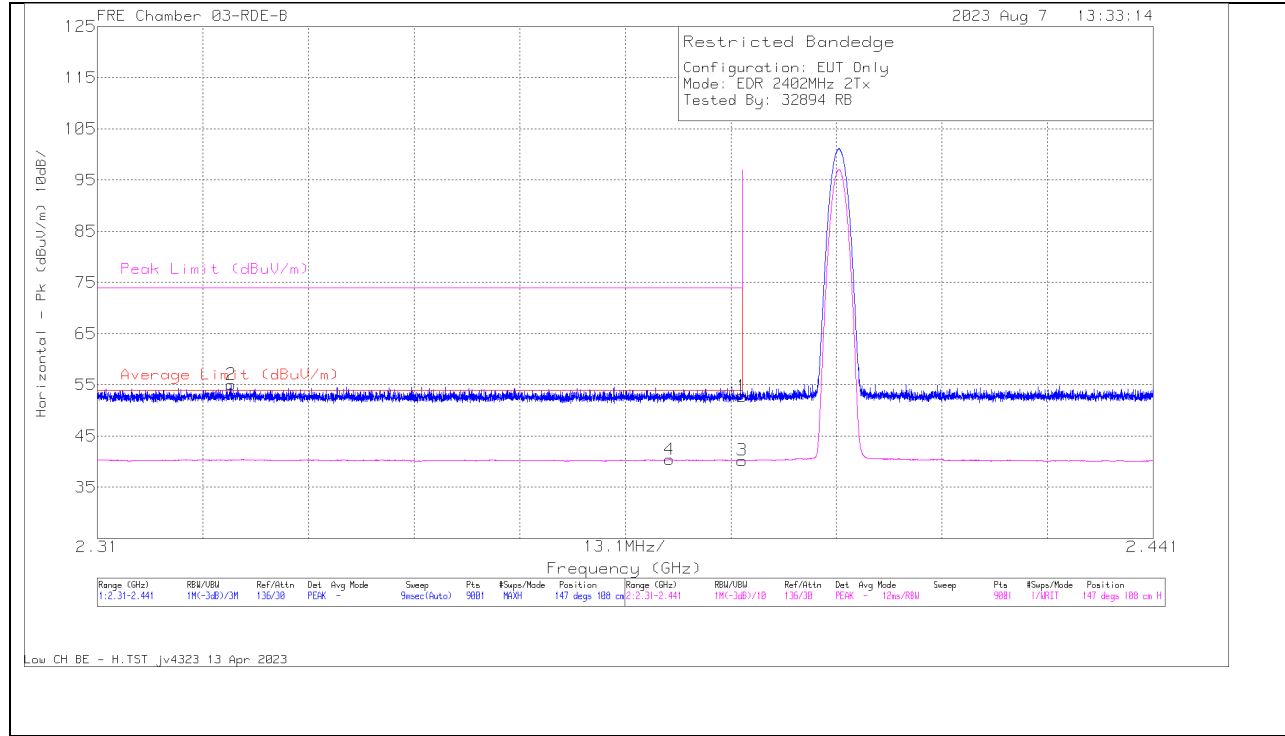
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.05	Pk	32.2	0	-39.6	53.65	-	-	74	-20.35	152	169	V
3	* 2.4835	49.15	VA1T	32.2	0	-39.6	41.75	54	-12.25	-	-	152	169	V
2	2.547455	62.94	Pk	32.3	0	-39.55	55.69	-	-	74	-18.31	152	169	V
4	2.555657	48.99	VA1T	32.3	0	-39.4	41.89	54	-12.11	-	-	152	169	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 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

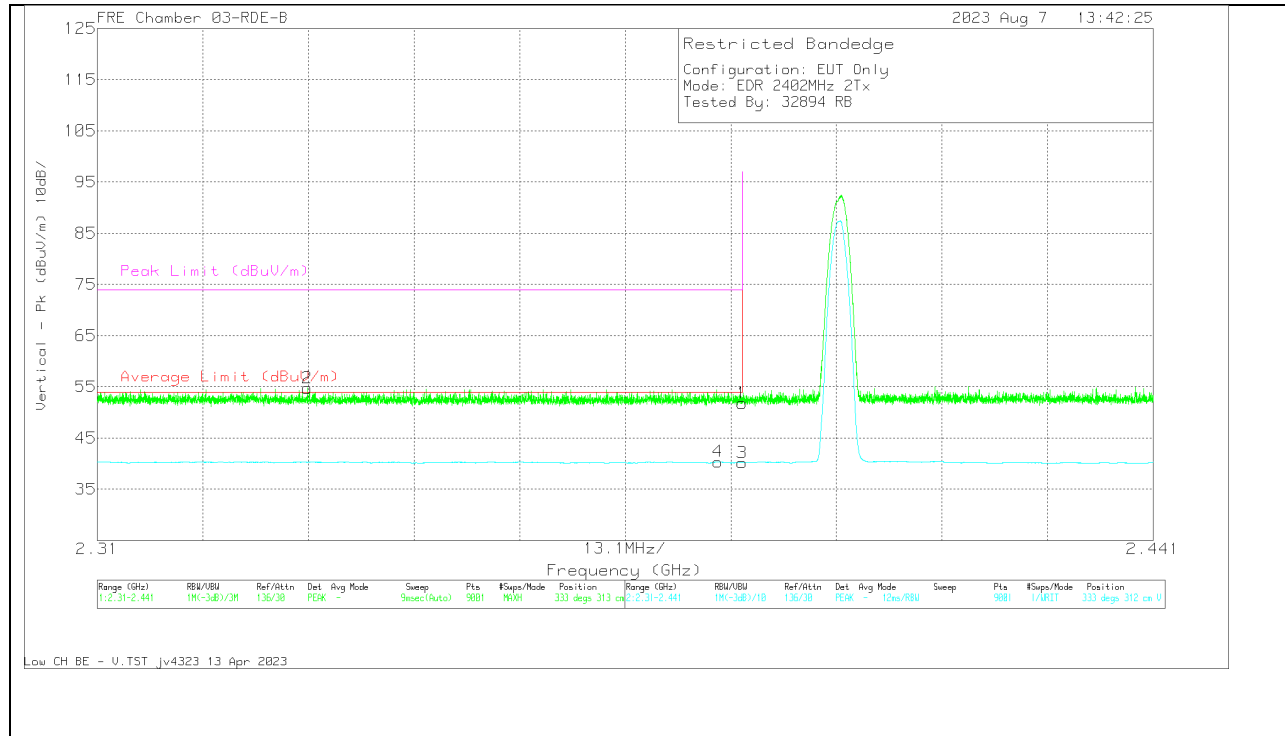
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.77	Pk	32.2	-41.2	52.77	-	-	74	-21.23	147	108	H
2	* 2.326608	64.14	Pk	32.1	-41.2	55.04	-	-	74	-18.96	147	108	H
3	* 2.39	49.24	VA1T	32.2	-41.2	40.24	54	-13.76	-	-	147	108	H
4	* 2.36099	49.41	VA1T	32.1	-41.1	40.41	54	-13.59	-	-	147	108	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

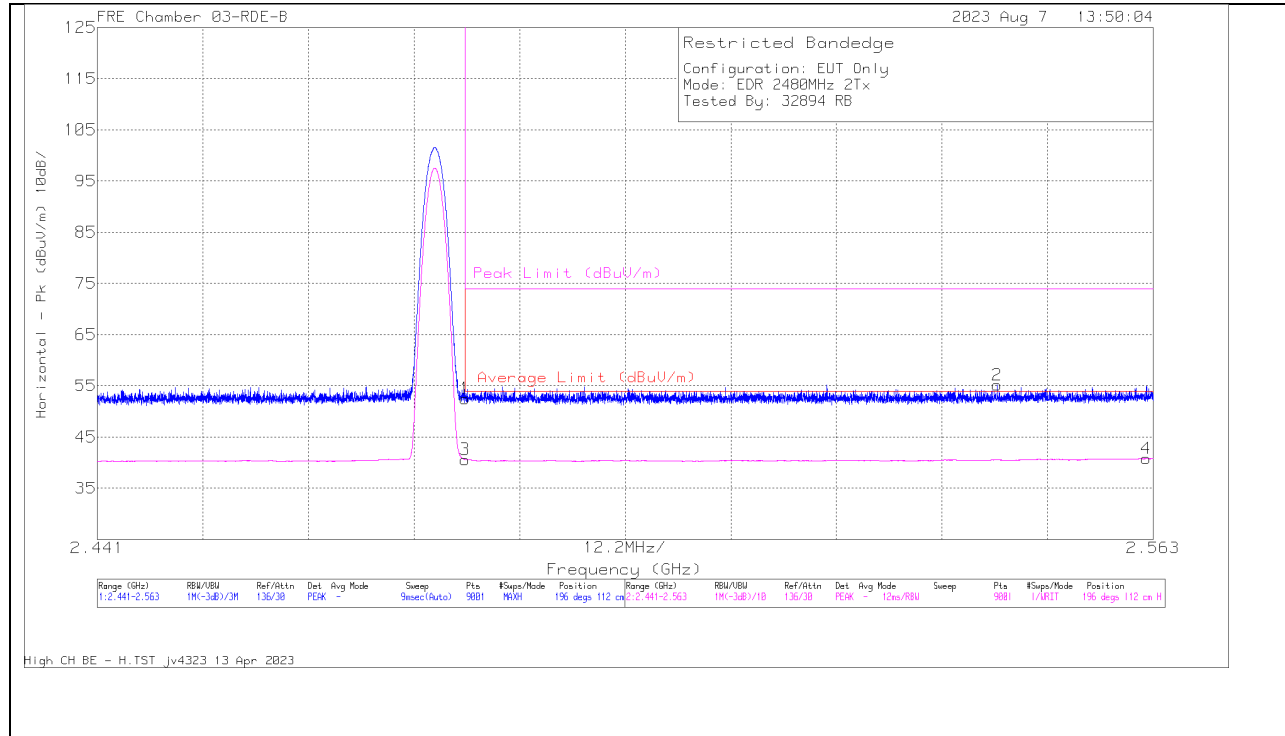


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.81	Pk	32.2	-41.2	51.81	-	-	74	-22.19	333	313	V
2	* 2.336026	63.84	Pk	32.1	-41.2	54.74	-	-	74	-19.26	333	313	V
3	* 2.39	49.18	VA1T	32.2	-41.2	40.18	54	-13.82	-	-	333	312	V
4	* 2.387001	49.27	VA1T	32.2	-41.1	40.37	54	-13.63	-	-	333	312	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)

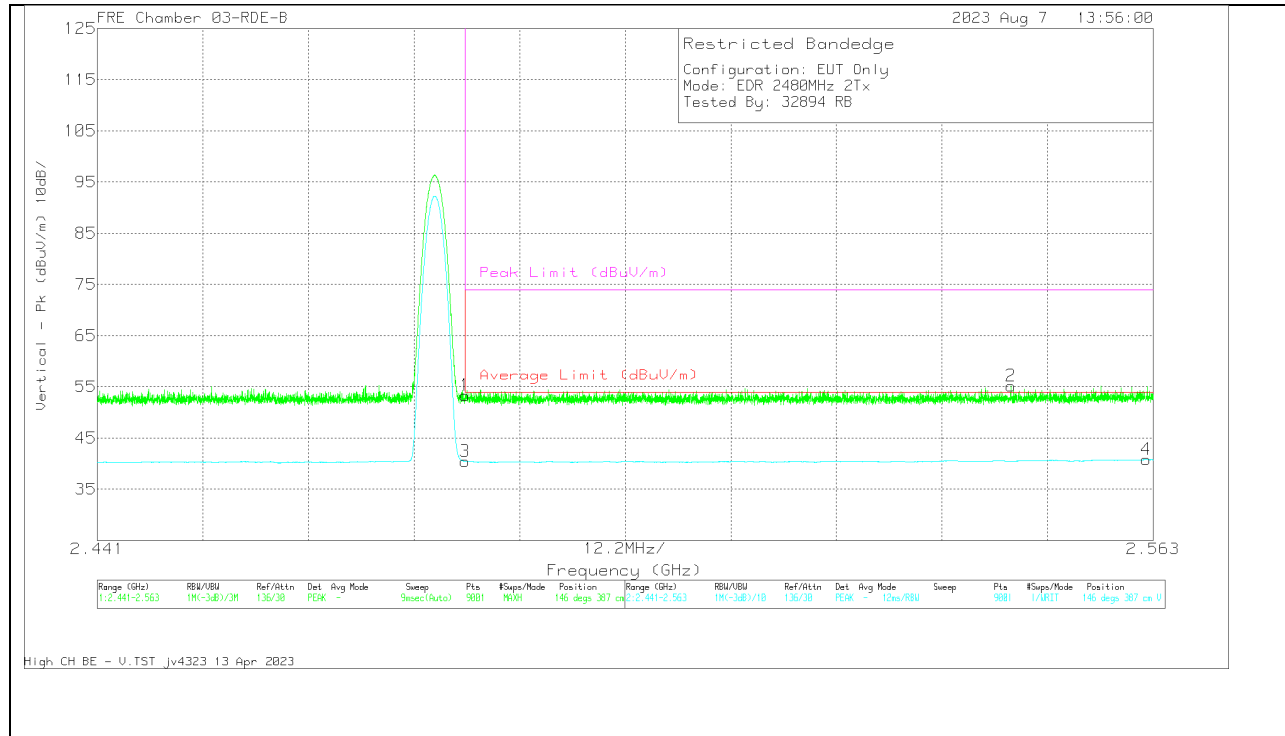
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.45	Pk	32.2	-41.15	52.5	-	-	74	-21.5	196	112	H
3	* 2.4835	49.53	VA1T	32.2	-41.15	40.58	54	-13.42	-	-	196	112	H
2	2.544961	63.76	Pk	32.3	-40.9	55.16	-	-	74	-18.84	196	112	H
4	2.562204	49.3	VA1T	32.3	-40.8	40.8	54	-13.2	-	-	196	112	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

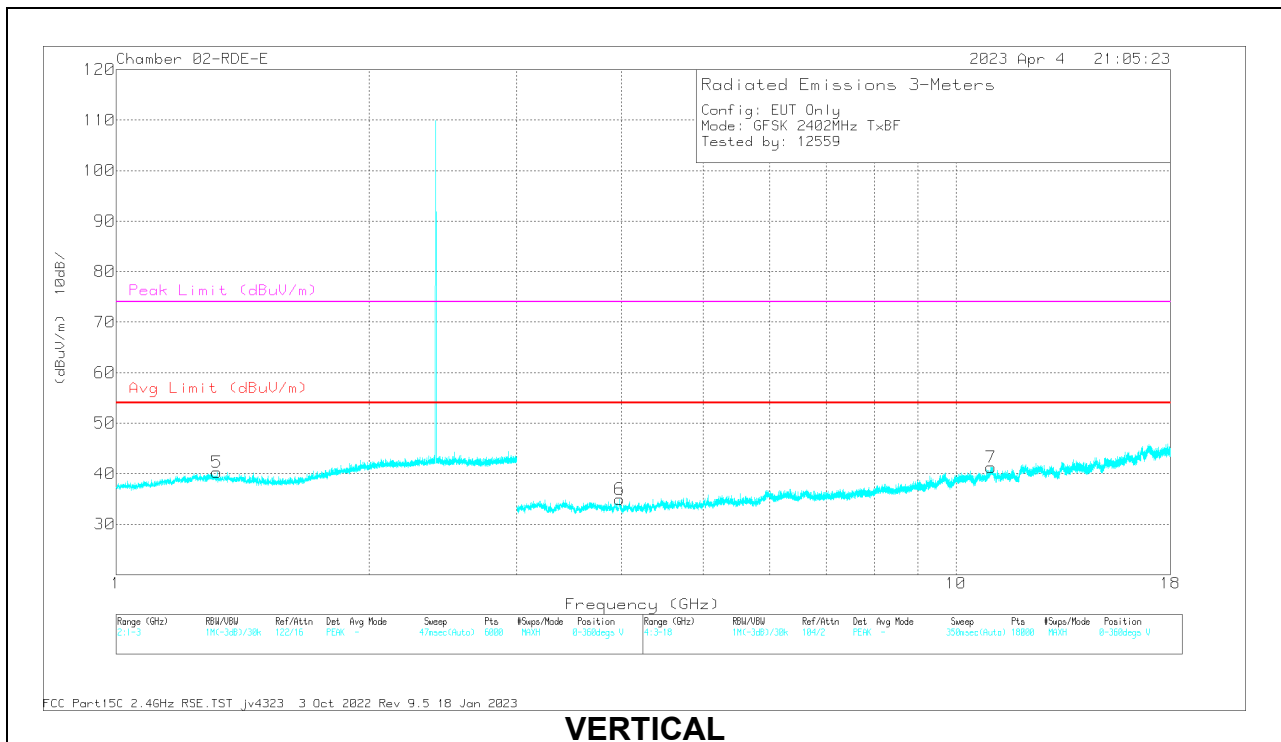
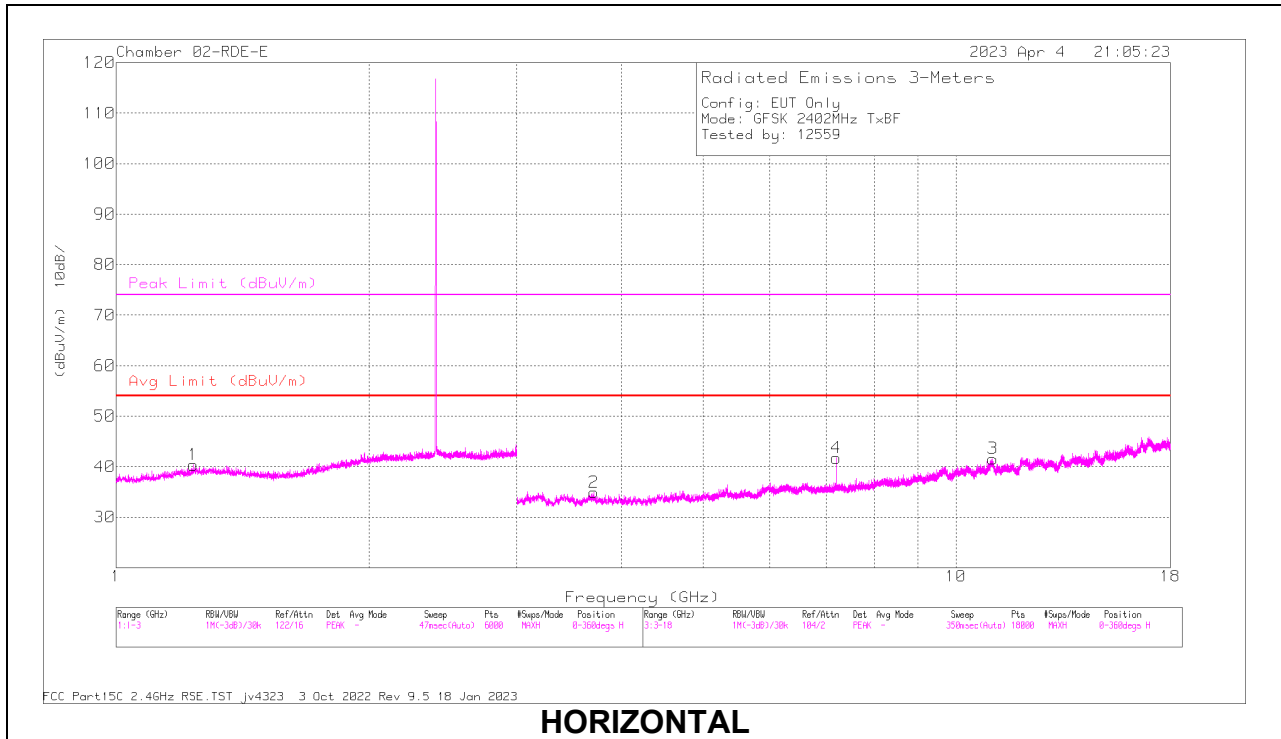


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62.29	Pk	32.2	-41.15	53.34	-	-	74	-20.66	146	387	V
3	* 2.4835	49.39	VA1T	32.2	-41.15	40.44	54	-13.56	-	-	146	387	V
2	2.546547	63.88	Pk	32.3	-41	55.18	-	-	74	-18.82	146	387	V
4	2.562191	49.32	VA1T	32.3	-40.8	40.82	54	-13.18	-	-	146	387	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

10.1.9. GFSK, HIGH POWER HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

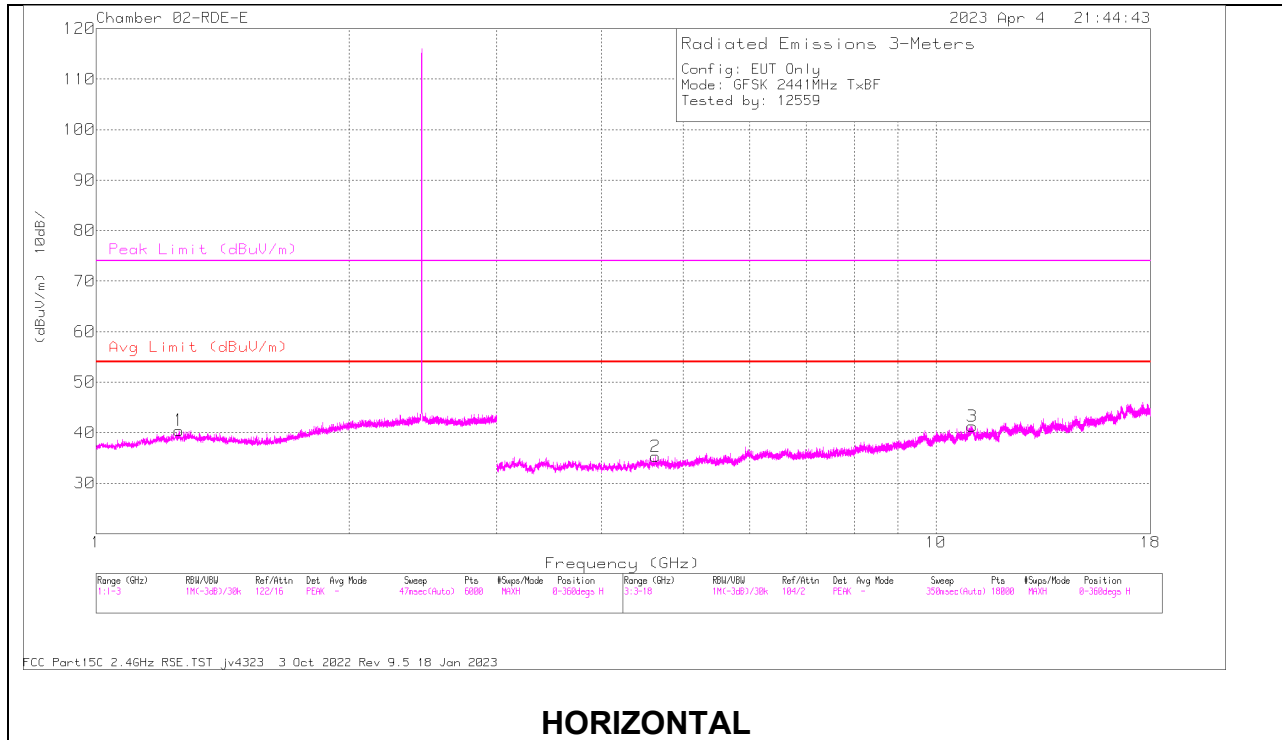


RADIATED EMISSIONS

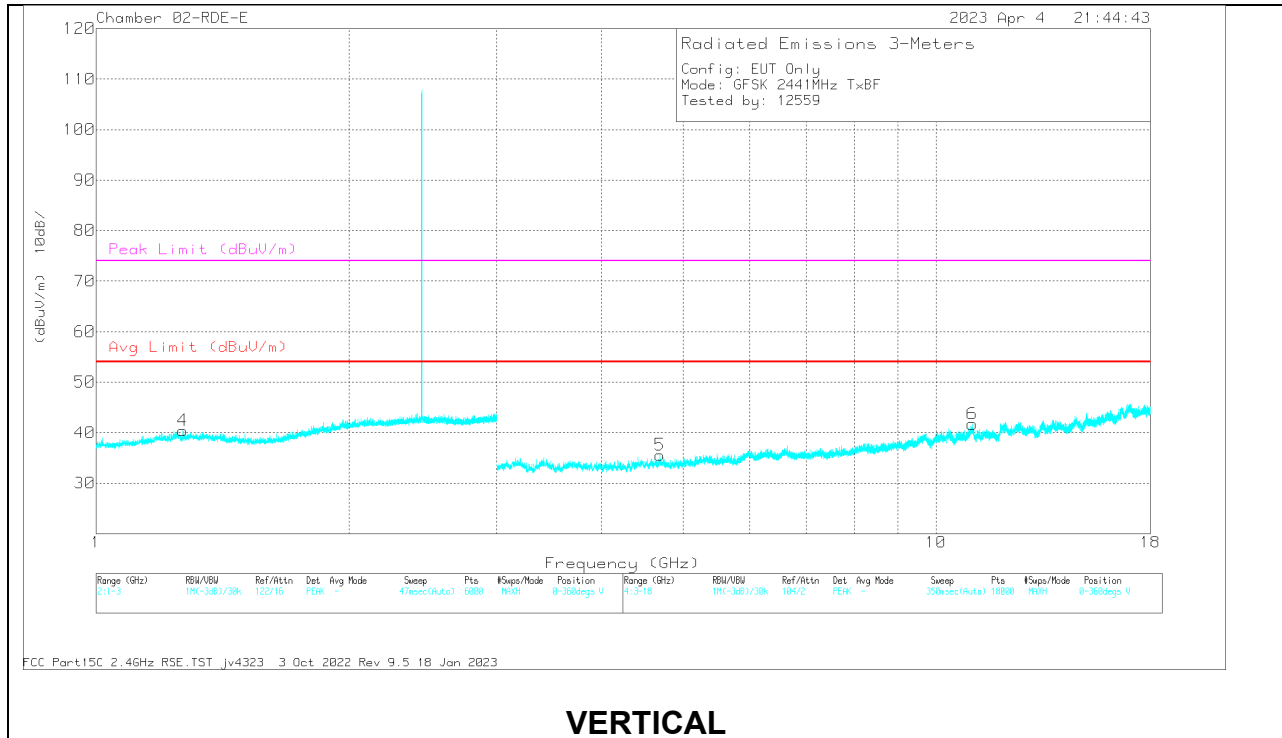
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.233275	58.9	PKFH	28.9	-39.68	48.12	-	-	74	-25.88	0	199	H
	* 1.23567	45.29	VA1T	28.9	-39.66	34.53	54	-19.47	-	-	0	199	H
5	* 1.316295	58.04	PKFH	29	-39.59	47.45	-	-	74	-26.55	0	199	V
	* 1.31657	45.27	VA1T	29	-39.59	34.68	54	-19.32	-	-	0	199	V
2	* 3.705555	55.2	PKFH	33.4	-45.92	42.68	-	-	74	-31.32	0	199	H
	* 3.706067	41.75	VA1T	33.4	-45.92	29.23	54	-24.77	-	-	0	199	H
3	* 11.065008	52.51	PKFH	37.9	-40.66	49.75	-	-	74	-24.25	0	101	H
	* 11.064867	38.71	VA1T	37.9	-40.66	35.95	54	-18.05	-	-	0	101	H
6	* 3.978153	54.32	PKFH	33.5	-45.92	41.9	-	-	74	-32.1	0	101	V
	* 3.975907	41.41	VA1T	33.5	-45.91	29	54	-25	-	-	0	101	V
7	* 11.010689	53.8	PKFH	37.9	-41.24	50.46	-	-	74	-23.54	0	200	V
	* 11.011951	39.42	VA1T	37.9	-41.23	36.09	54	-17.91	-	-	0	200	V
4	7.202857	40.24	VA1T	35.6	-44.72	31.12	-	-	-	-	0	101	H
	7.204061	54.03	PKFH	35.6	-44.7	44.93	-	-	74	-29.07	0	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmitting duration

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

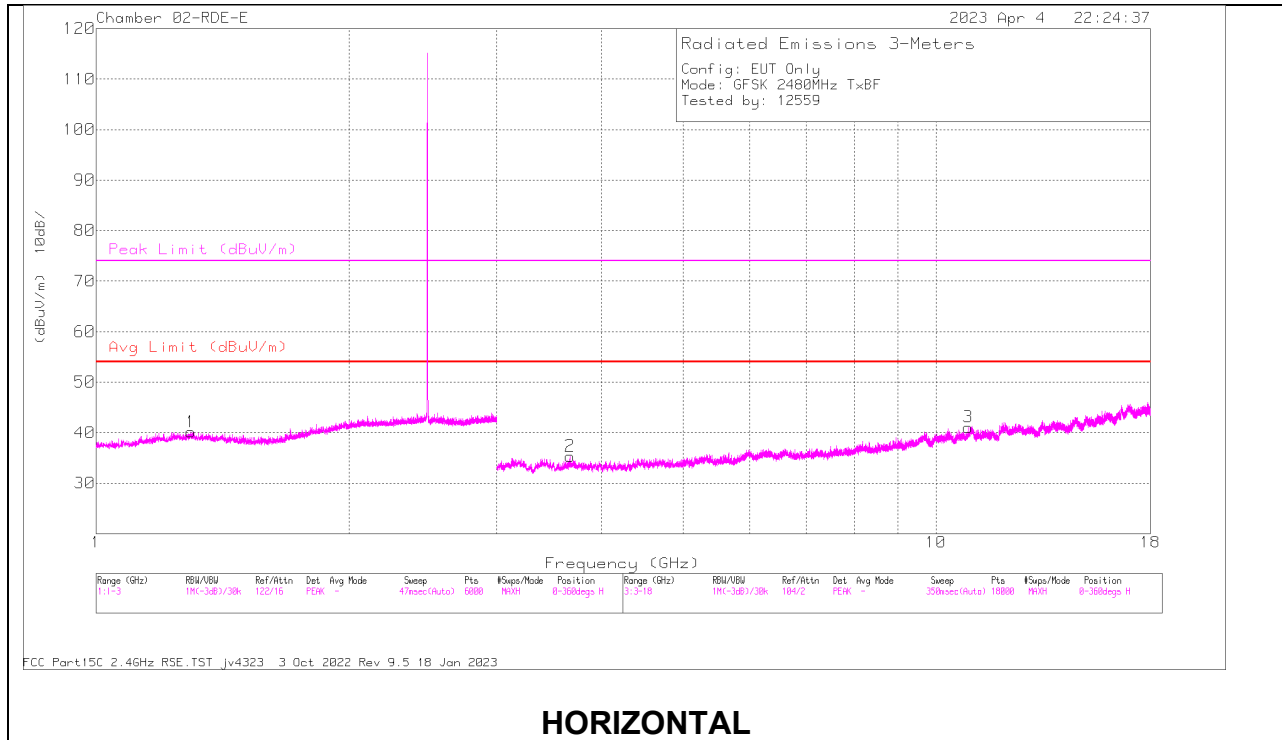
RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.253082	58.25	PKFH	29	-39.69	47.56	-	-	74	-26.44	0	199	H
	* 1.253615	45.2	VA1T	29	-39.68	34.52	54	-19.48	-	-	0	199	H
4	* 1.266112	58.64	PKFH	29	-39.6	48.04	-	-	74	-25.96	0	199	V
	* 1.268152	45.01	VA1T	29	-39.6	34.41	54	-19.59	-	-	0	199	V
2	* 4.631008	56.09	PKFH	34.1	-46.49	43.7	-	-	74	-30.3	0	199	H
	* 4.634565	41.84	VA1T	34.1	-46.46	29.48	54	-24.52	-	-	0	199	H
3	* 11.046091	53.09	PKFH	37.9	-41.01	49.98	-	-	74	-24.02	0	199	H
	* 11.045864	39.18	VA1T	37.9	-41.01	36.07	54	-17.93	-	-	0	199	H
5	* 4.690336	55.75	PKFH	34.1	-46.88	42.97	-	-	74	-31.03	0	101	V
	* 4.69005	42.4	VA1T	34.1	-46.87	29.63	54	-24.37	-	-	0	101	V
6	* 11.049392	52.67	PKFH	37.9	-40.93	49.64	-	-	74	-24.36	0	199	V
	* 11.049802	39.1	VA1T	37.9	-40.92	36.08	54	-17.92	-	-	0	199	V

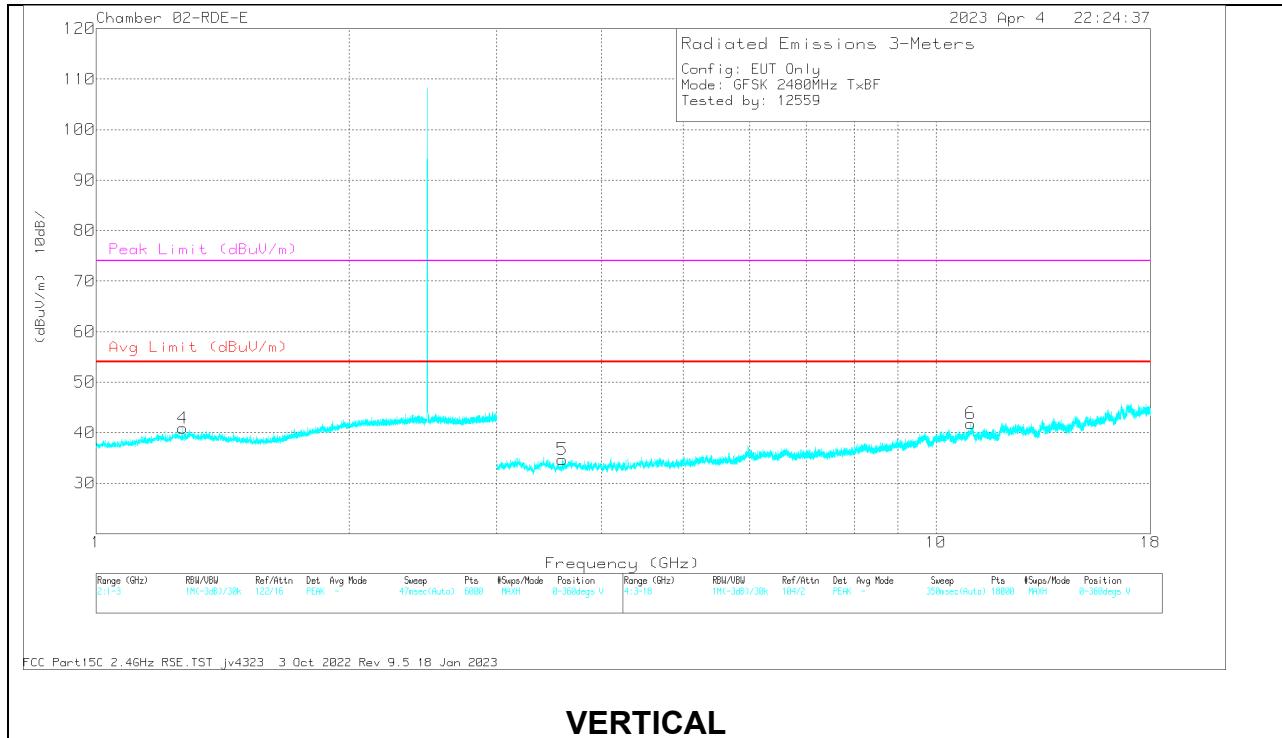
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmitting duration

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

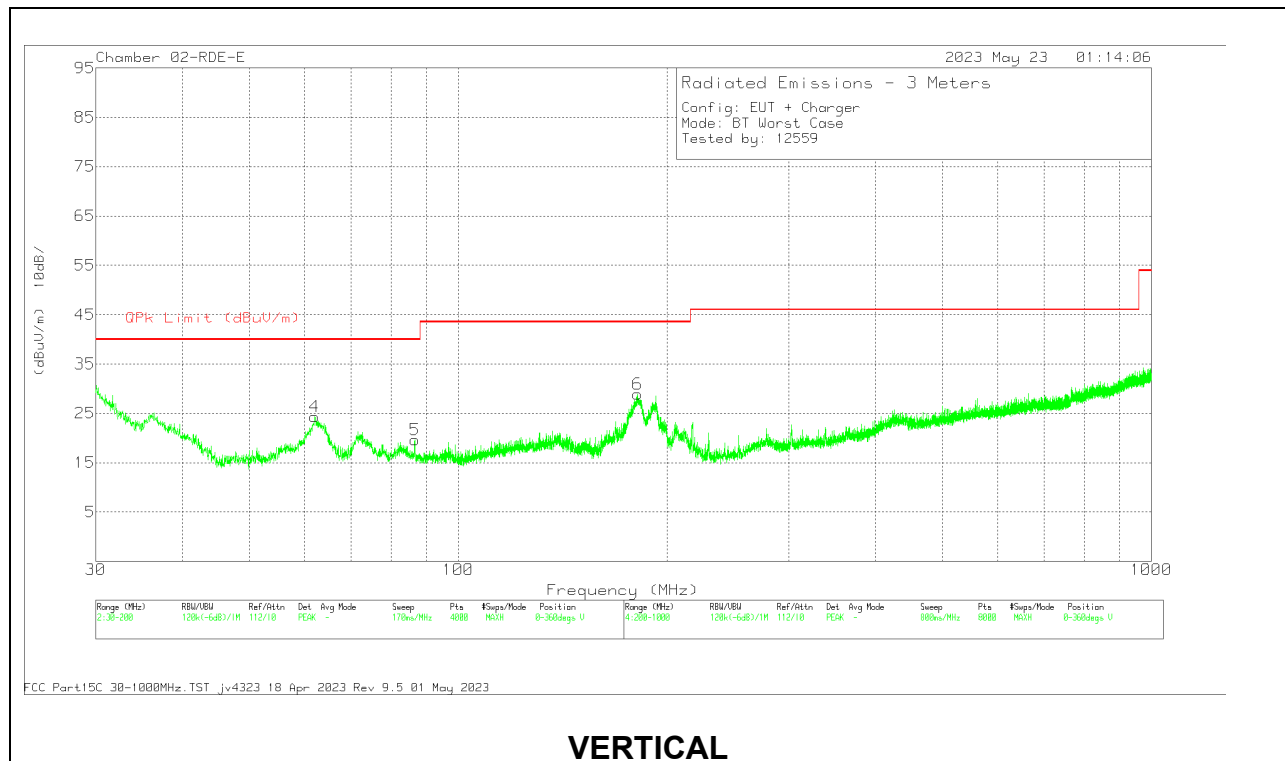
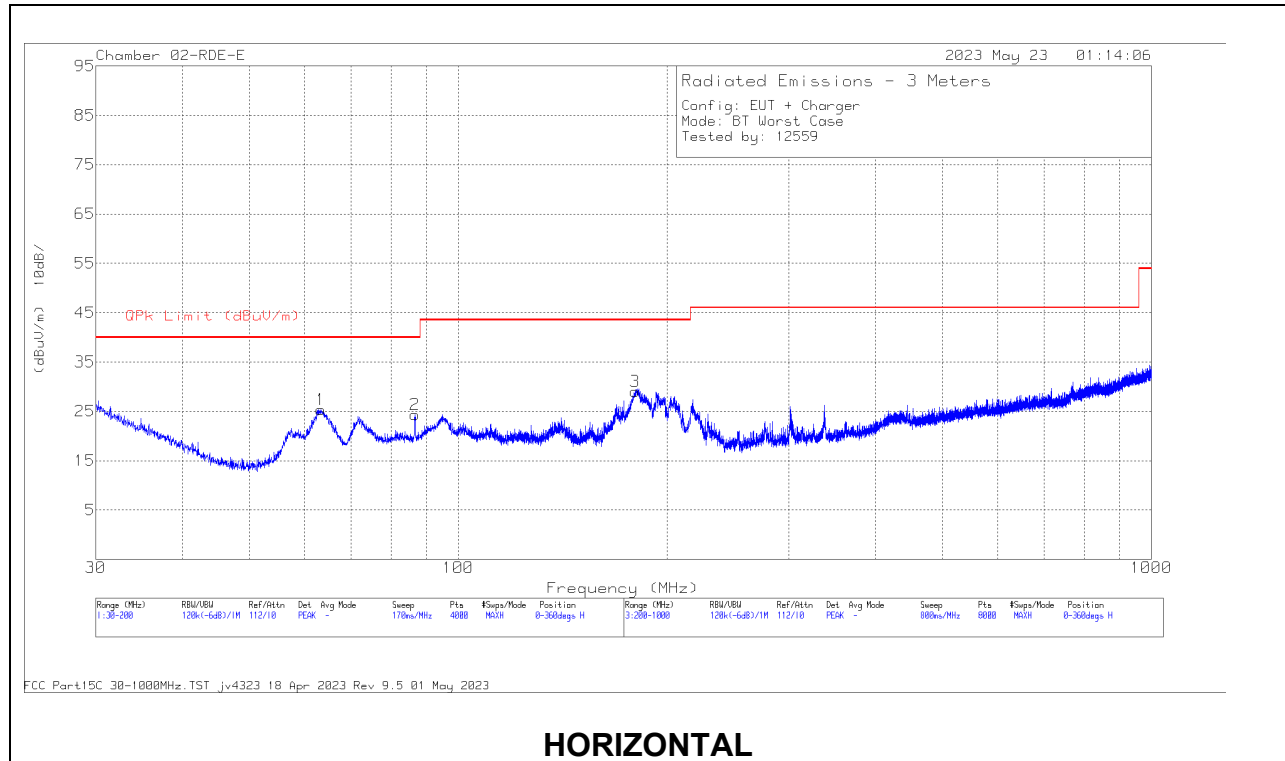
RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.296776	59.06	PKFH	29.1	-39.59	48.57	-	-	74	-25.43	0	198	H
	* 1.295739	45.31	VA1T	29.1	-39.58	34.83	54	-19.17	-	-	0	198	H
4	* 1.267832	57.96	PKFH	29	-39.6	47.36	-	-	74	-26.64	0	101	V
	* 1.267311	45.07	VA1T	29	-39.6	34.47	54	-19.53	-	-	0	101	V
2	* 3.664574	55.23	PKFH	33.4	-46.1	42.53	-	-	74	-31.47	0	198	H
	* 3.664729	42.01	VA1T	33.4	-46.1	29.31	54	-24.69	-	-	0	198	H
3	* 10.920596	53.47	PKFH	37.8	-42.3	48.97	-	-	74	-25.03	0	198	H
	* 10.922572	39.77	VA1T	37.8	-42.24	35.33	54	-18.67	-	-	0	198	H
5	* 3.587745	55.09	PKFH	33.2	-45.82	42.47	-	-	74	-31.53	0	101	V
	* 3.591135	41.05	VA1T	33.2	-45.77	28.48	54	-25.52	-	-	0	101	V
6	* 10.993943	52.72	PKFH	37.9	-41.54	49.08	-	-	74	-24.92	0	199	V
	* 10.995763	39.55	VA1T	37.9	-41.5	35.95	54	-18.05	-	-	0	199	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmitting duration

10.2. WORST CASE BELOW 1 GHZ

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



Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	230635 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	62.0958	41.79	Pk	13.6	-31.1	24.29	40	-15.71	0-360	101	V
1	63.3711	42.8	Pk	13.7	-31.1	25.4	40	-14.6	0-360	399	H
5	86.5821	37.14	Pk	13.4	-30.9	19.64	40	-20.36	0-360	101	V
2	86.6247	41.84	Pk	13.4	-30.9	24.34	40	-15.66	0-360	199	H
3	180.021	41.78	Pk	17.3	-30	29.08	43.52	-14.44	0-360	199	H
6	181.339	41.63	Pk	17.3	-30	28.93	43.52	-14.59	0-360	101	V

Pk - Peak detector