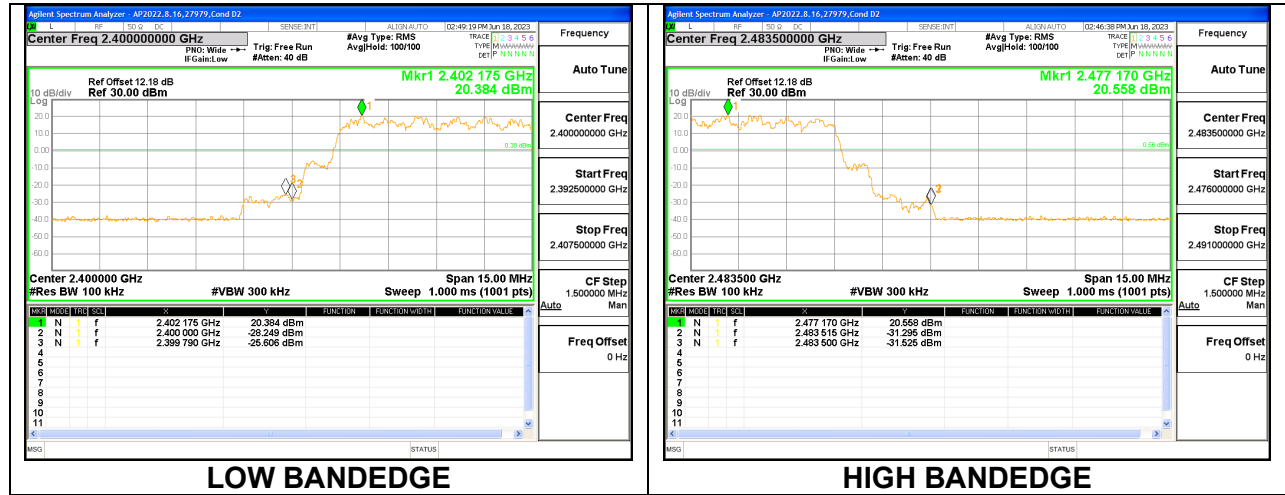
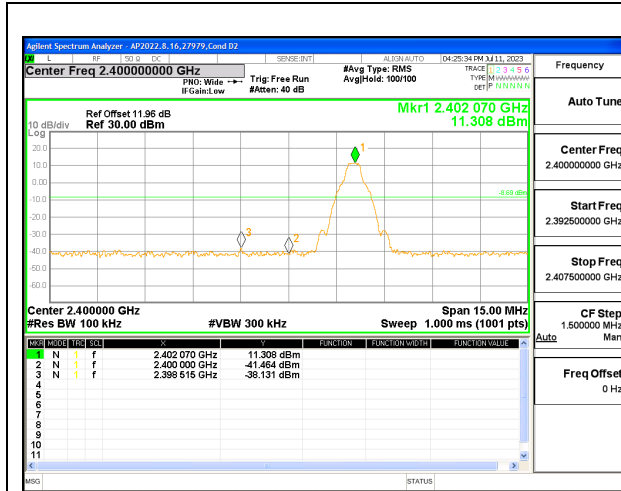


ANT 3 SPURIOUS BANDEGE EMISSIONS WITH HOPPING ON

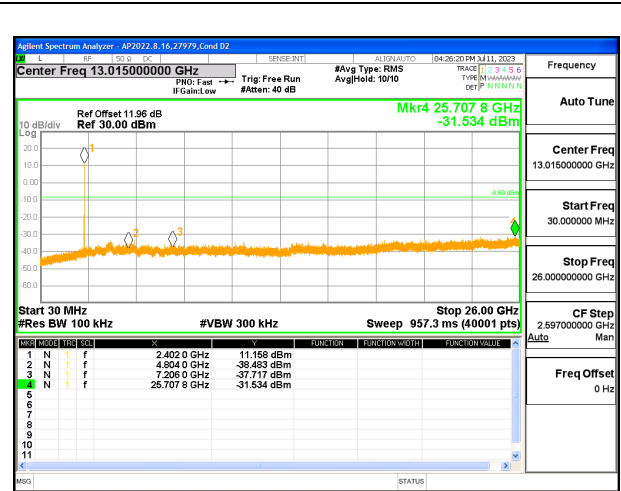


9.8.5. LOW POWER BASIC DATA RATE GFSK MODULATION

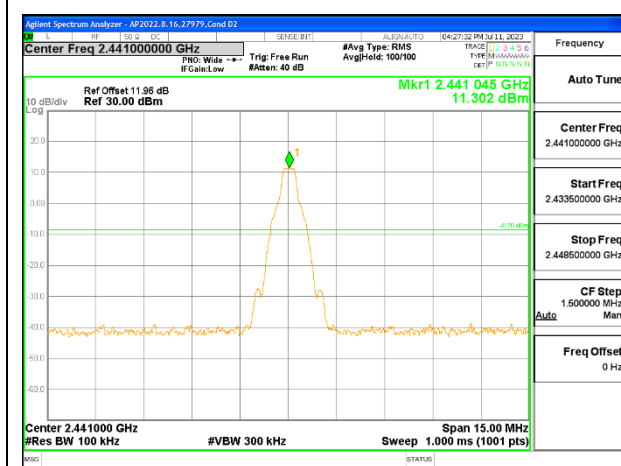
ANT 4 SPURIOUS EMISSIONS, NON-HOPPING



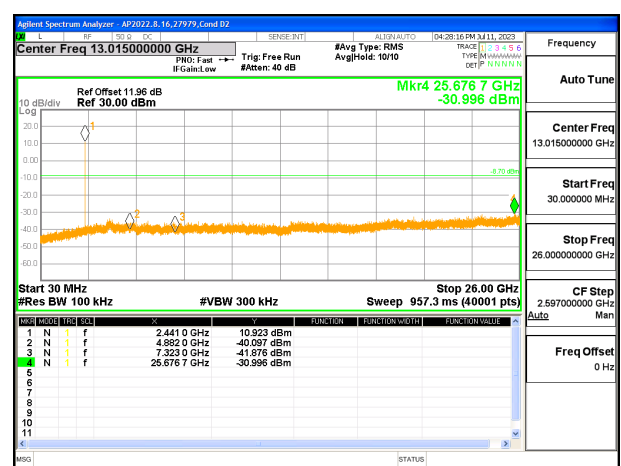
LOW CHANNEL BANDEDGE



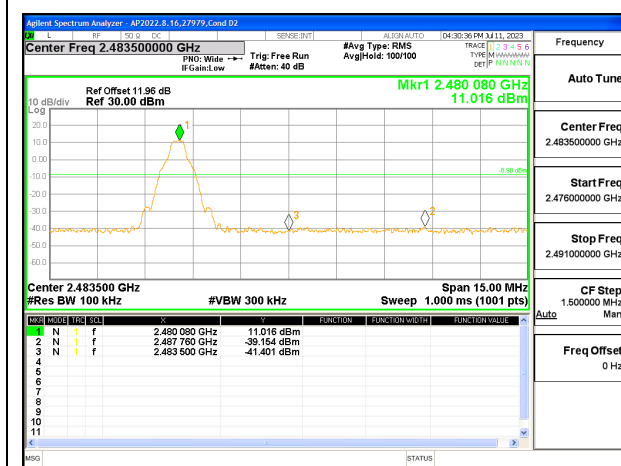
OUT-OF-BAND LOW CHANNEL



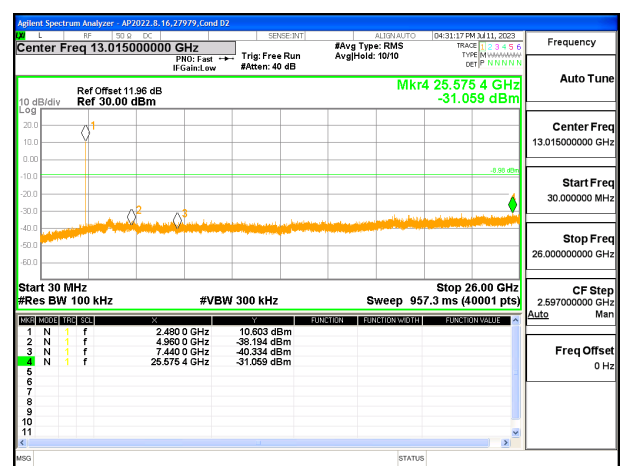
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

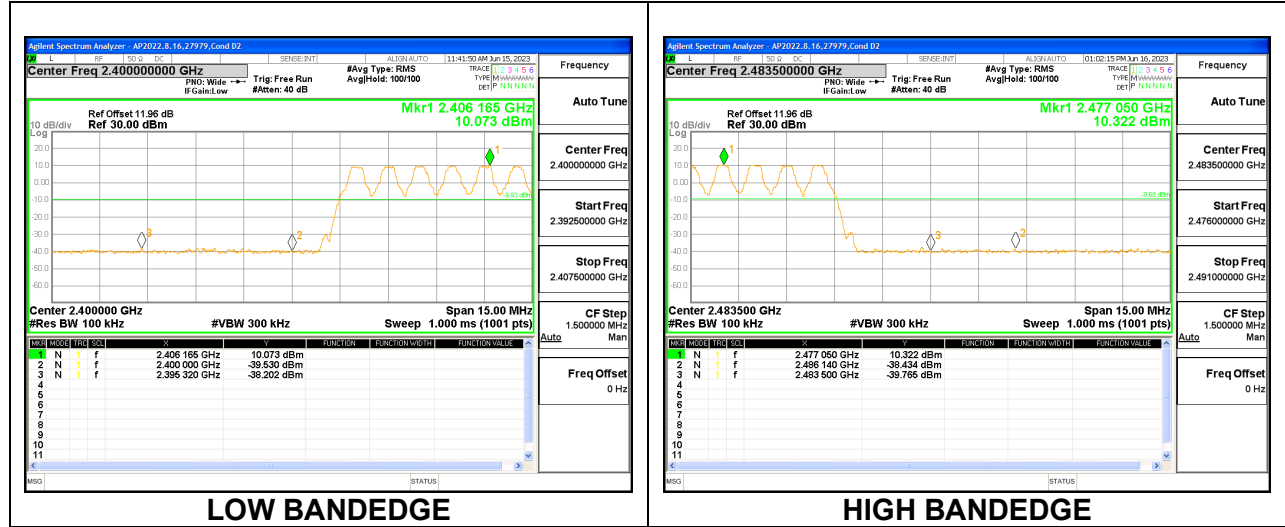


HIGH CHANNEL BANDEDGE

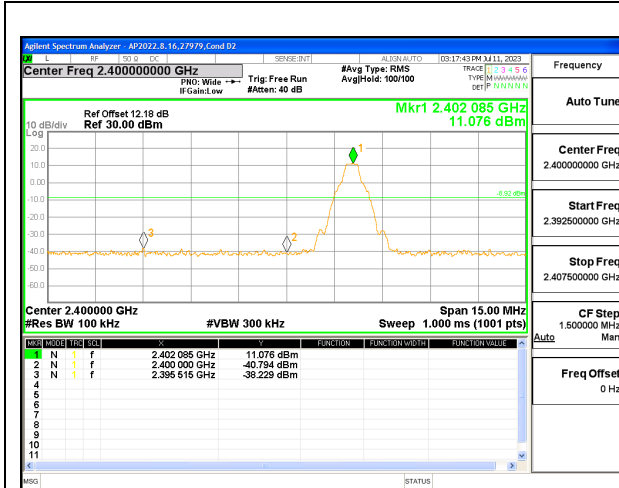


OUT-OF-BAND HIGH CHANNEL

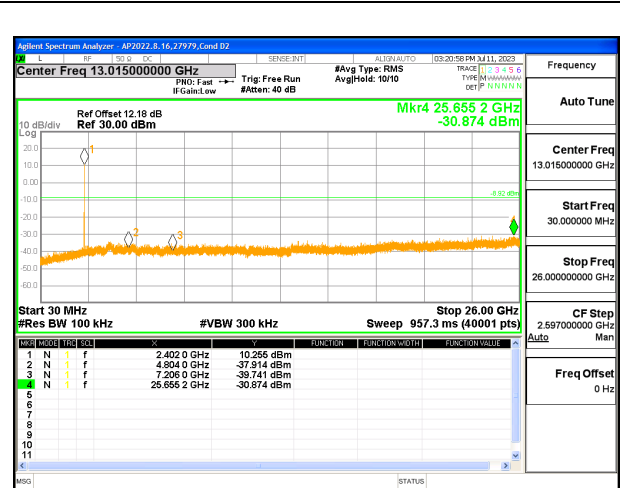
ANT 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



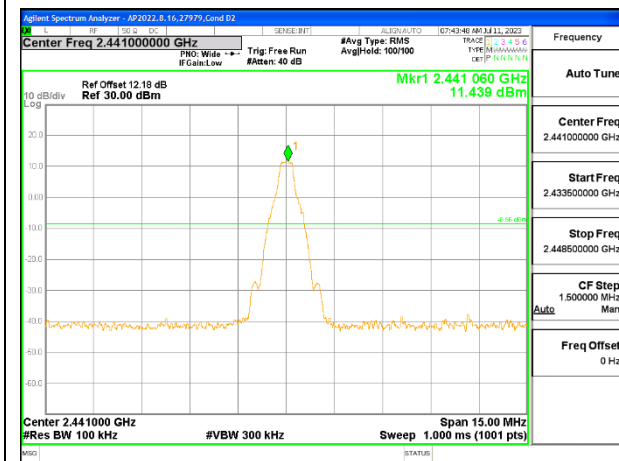
ANT 3 SPURIOUS EMISSIONS, NON-HOPPING



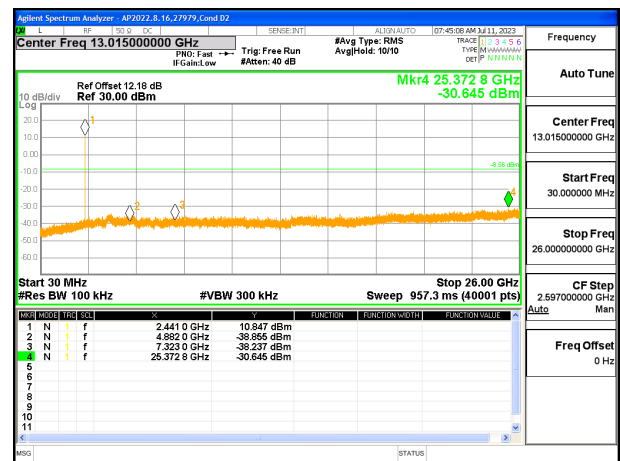
LOW CHANNEL BANDEDGE



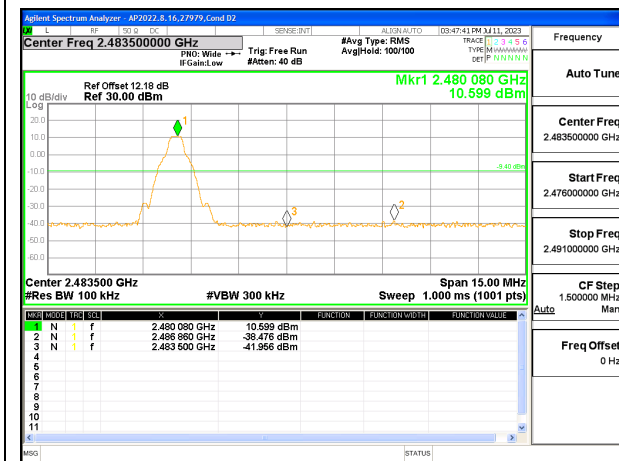
OUT-OF-BAND LOW CHANNEL



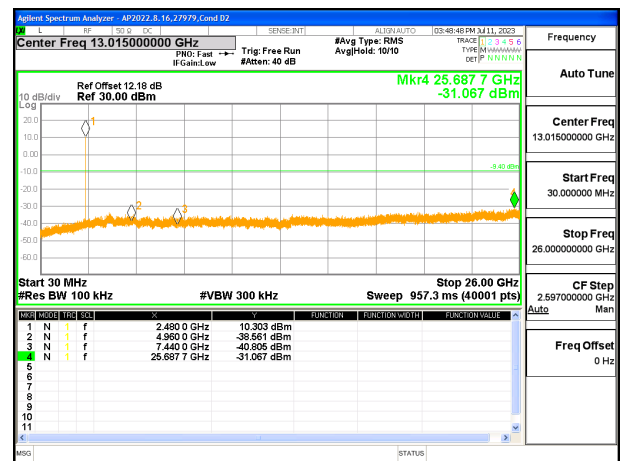
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

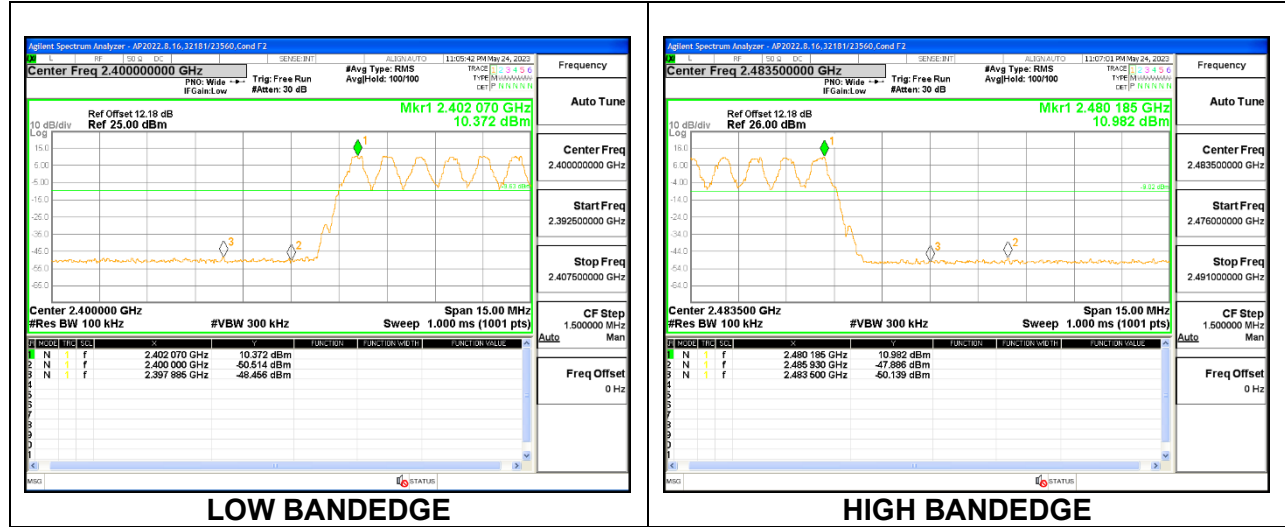


HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

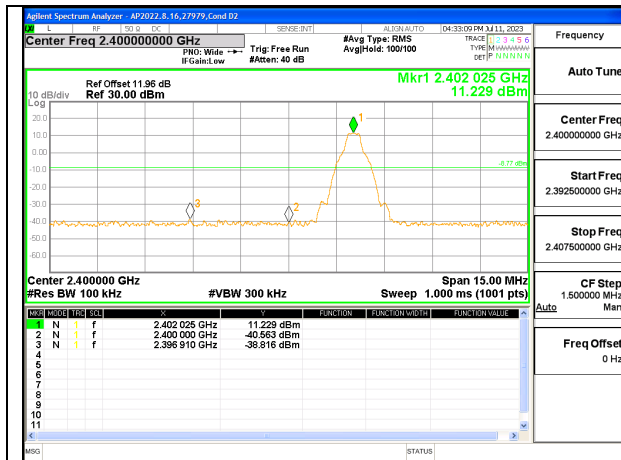
ANT 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



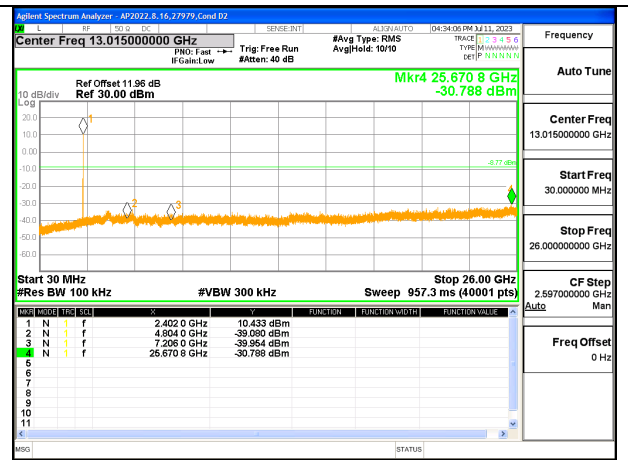
9.8.6. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

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

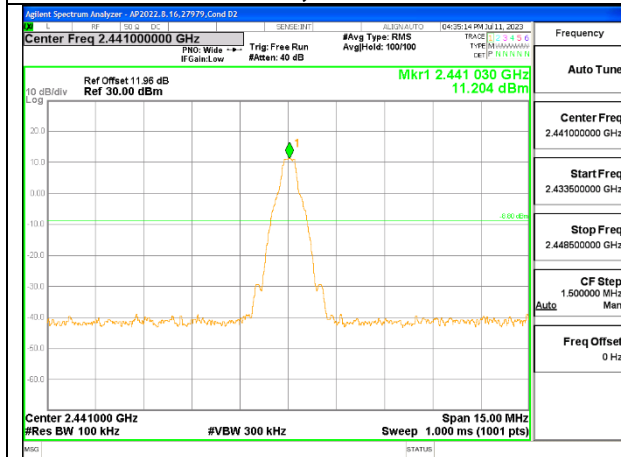
ANT 4



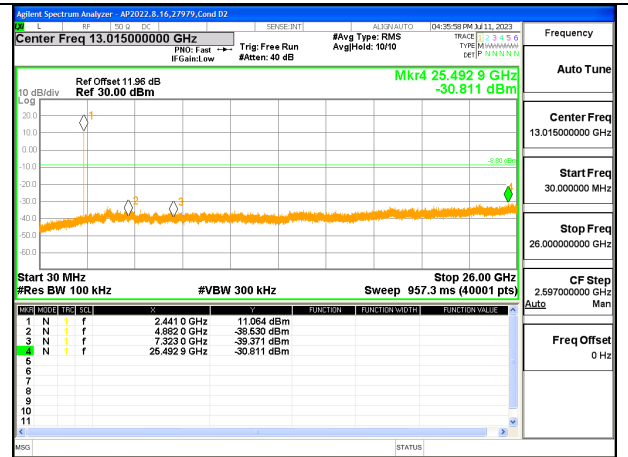
LOW CHANNEL , BANDEDGE ANT 4



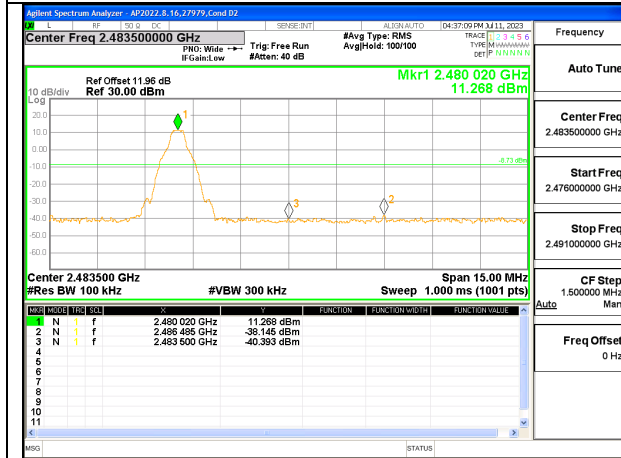
LOW CHANNEL OUT-OF-BAND ANT 4



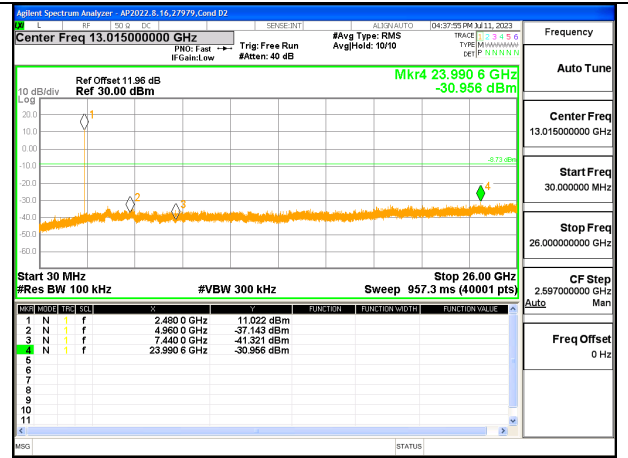
MID CHANNEL REFERENCE ANT 4



MID CHANNEL OUT-OF-BAND ANT 4

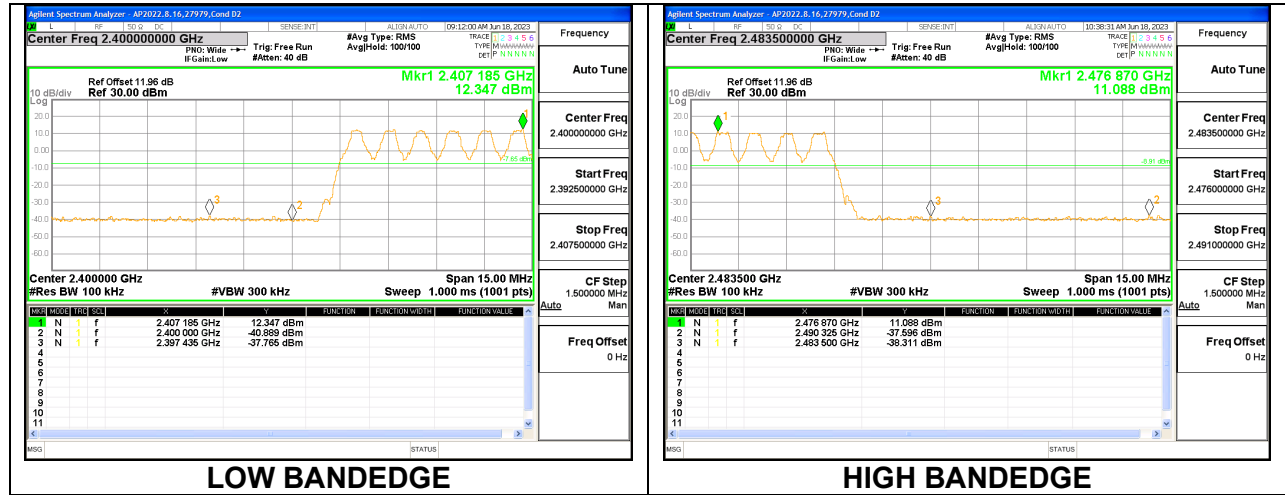


HIGH CHANNEL BANDEDGE ANT 4

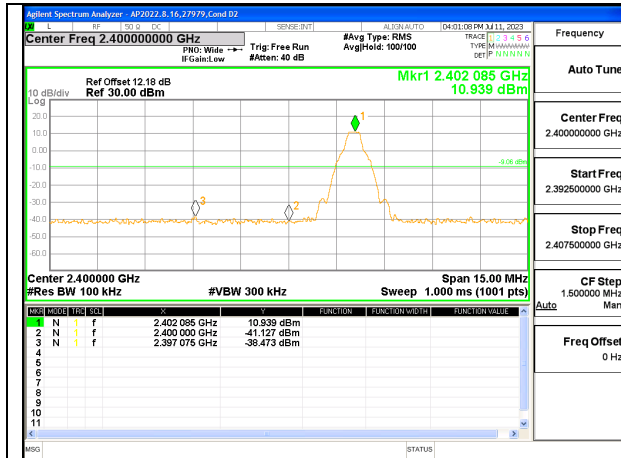


HIGH CHANNEL OUT-OF-BAND ANT 4

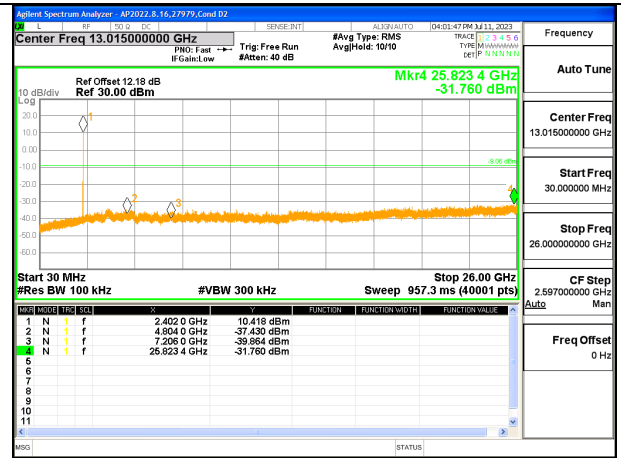
ANT 4 SPURIOUS BANDEGE EMISSIONS WITH HOPPING ON



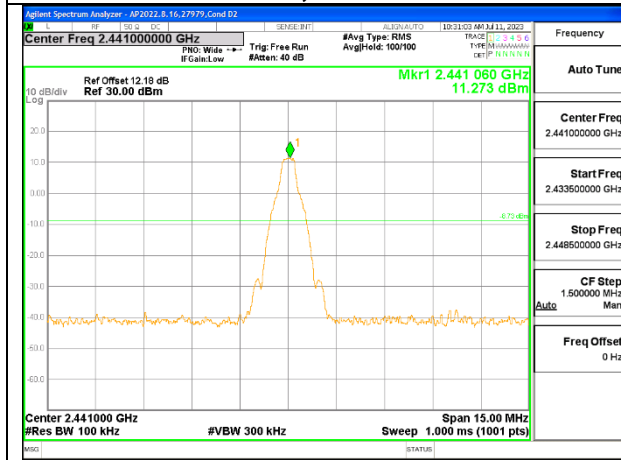
ANT 3



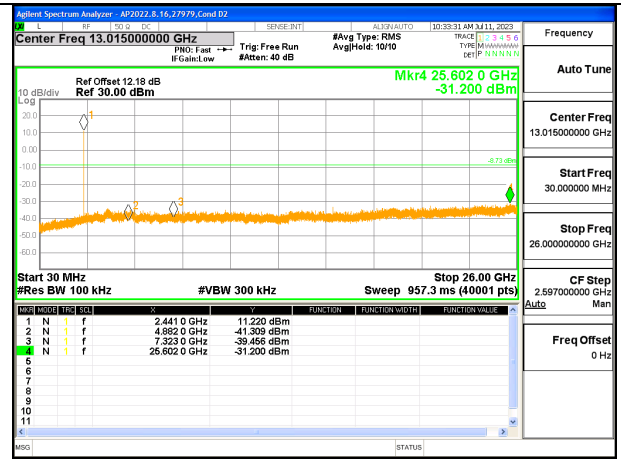
LOW CHANNEL , BANDEDGE ANT 3



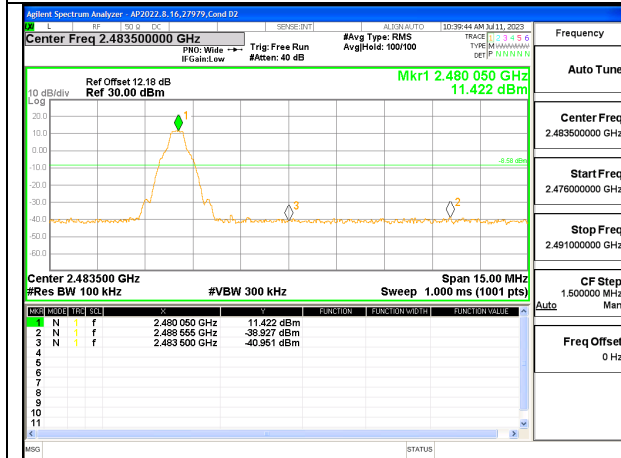
LOW CHANNEL OUT-OF-BAND ANT 3



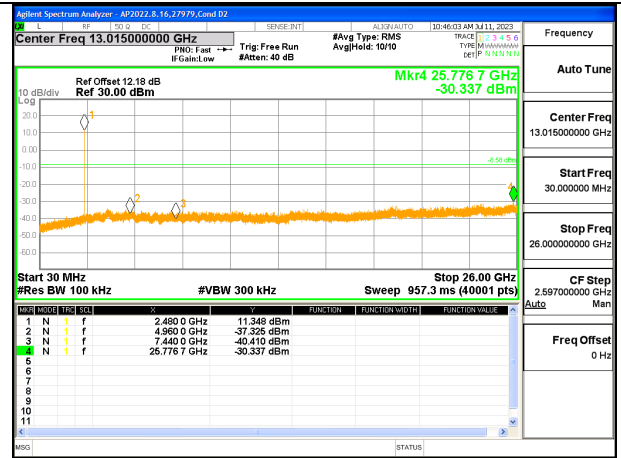
MID CHANNEL REFERENCE ANT 3



MID CHANNEL OUT-OF-BAND ANT 3

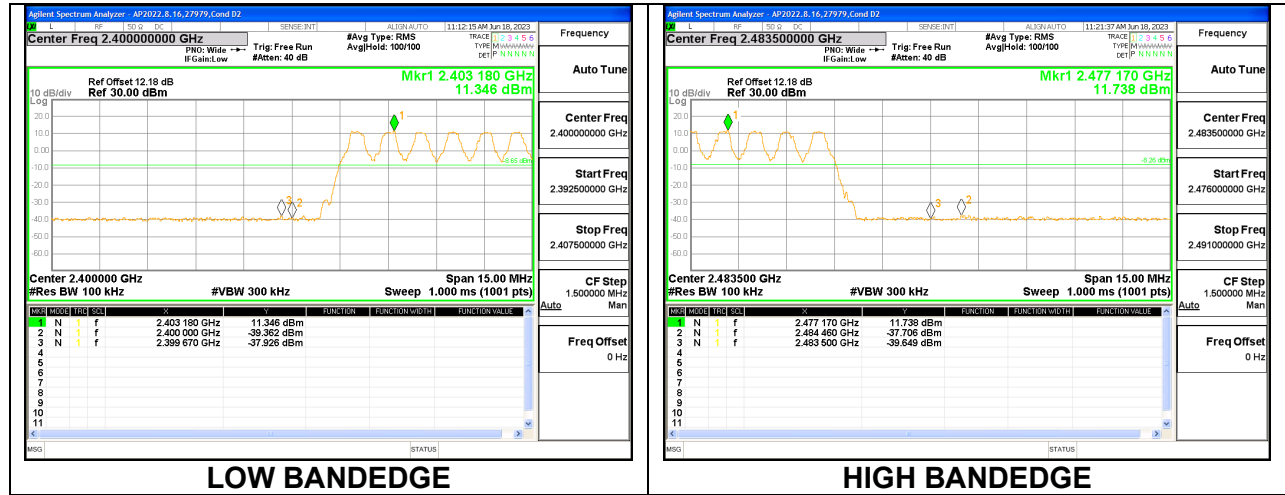


HIGH CHANNEL BANDEDGE ANT 3



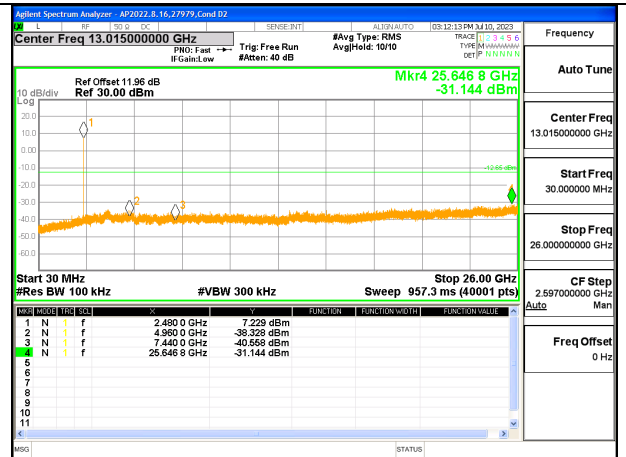
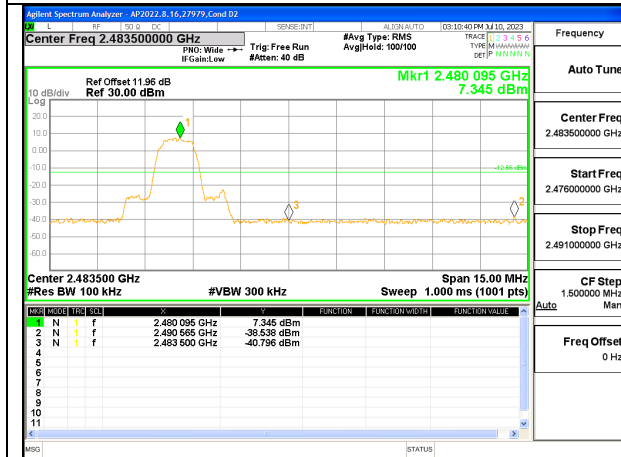
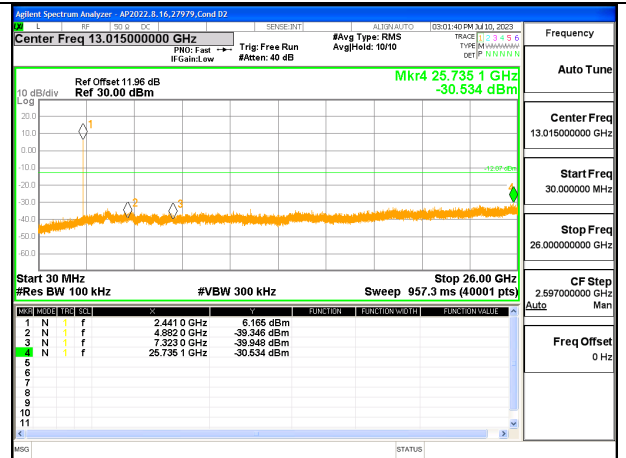
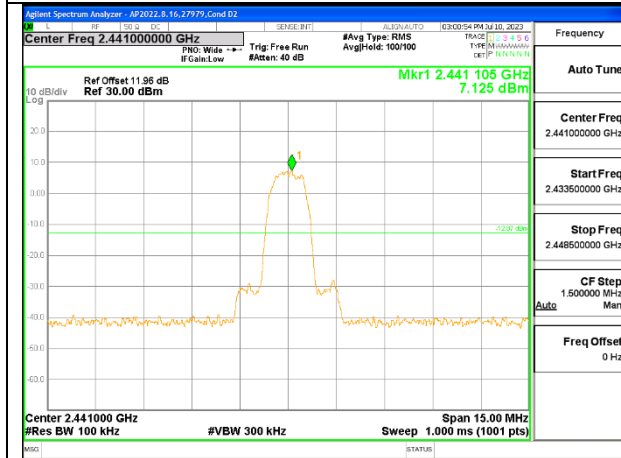
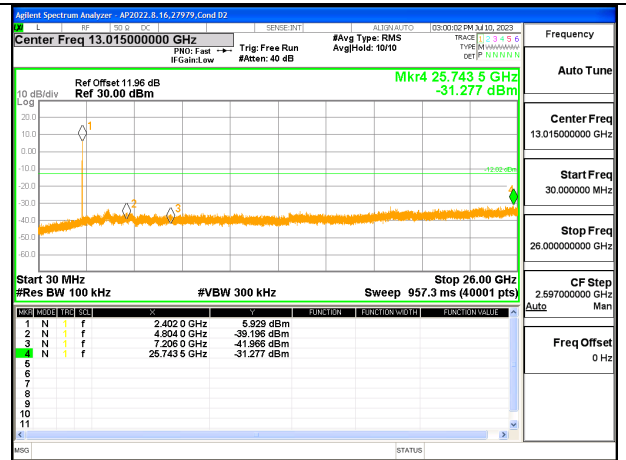
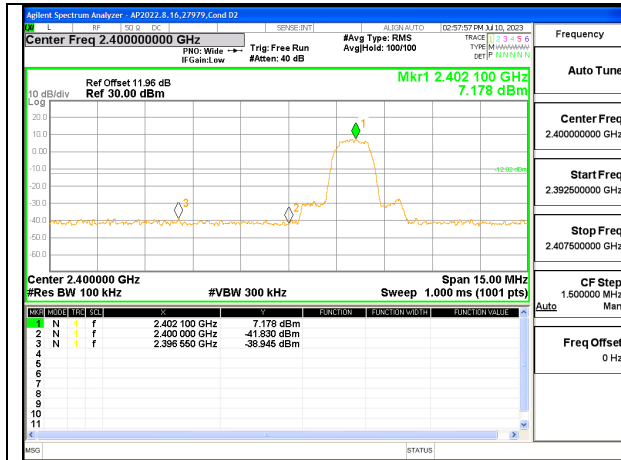
HIGH CHANNEL OUT-OF-BAND ANT 3

ANT 3 SPURIOUS BANDEGE EMISSIONS WITH HOPPING ON



9.8.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

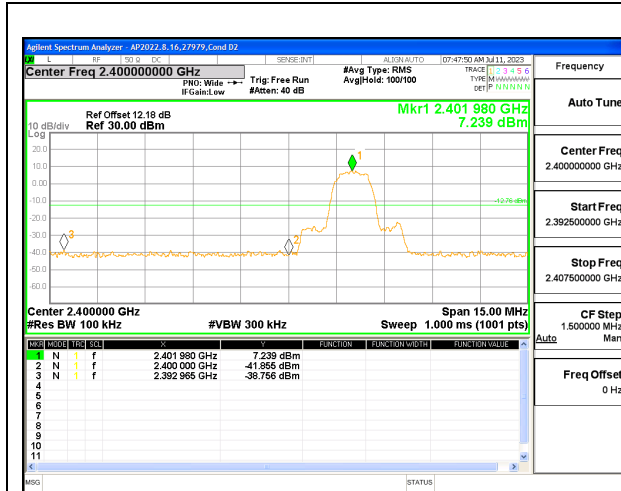
ANT 4 SPURIOUS EMISSIONS, NON-HOPPING



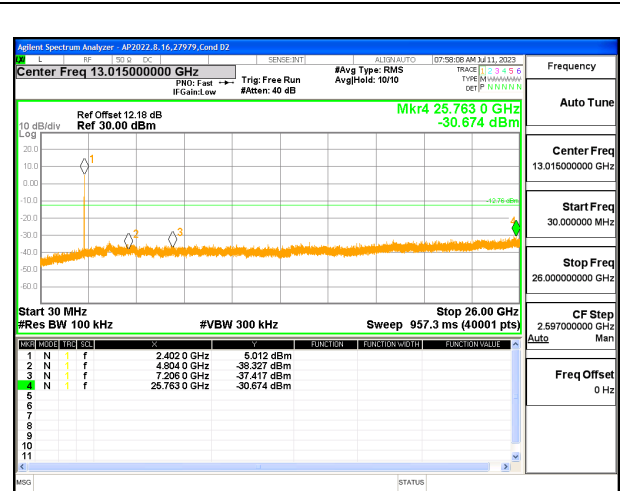
ANT 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



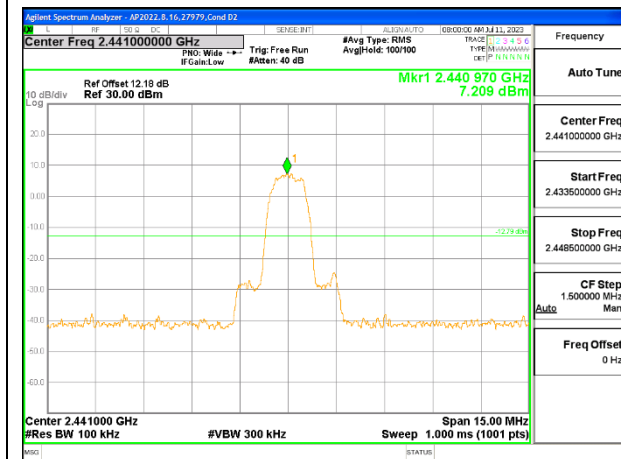
ANT 3 SPURIOUS EMISSIONS, NON-HOPPING



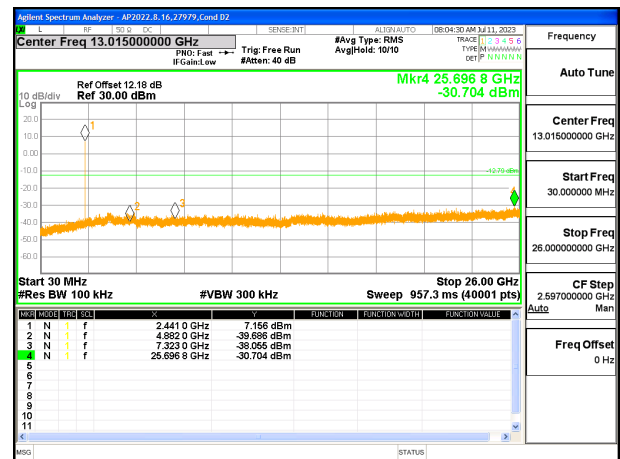
LOW CHANNEL BANDEDGE



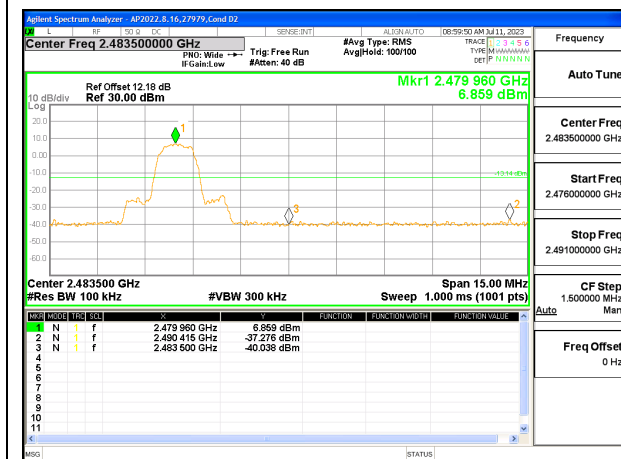
OUT-OF-BAND LOW CHANNEL



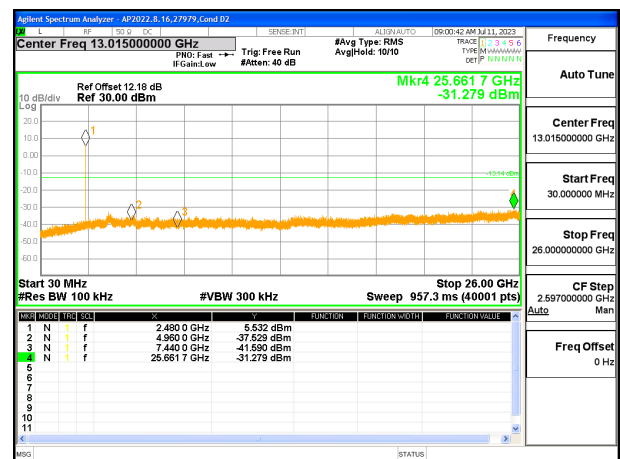
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

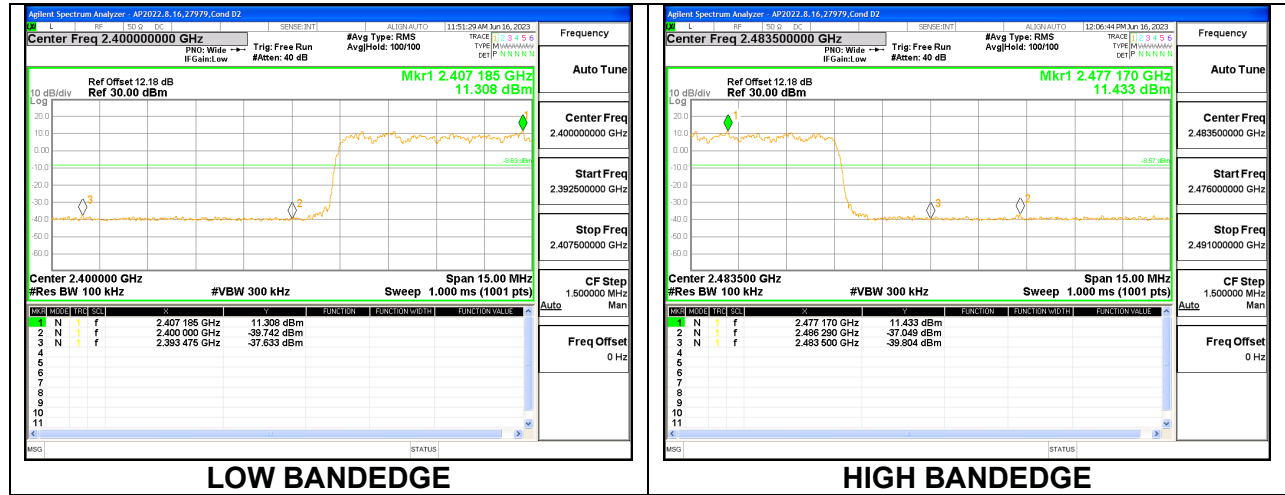


HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

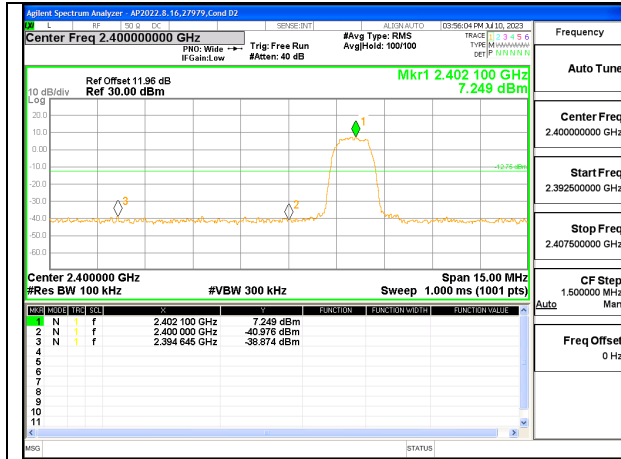
ANT 3 SPURIOUS BANDEGE EMISSIONS WITH HOPPING ON



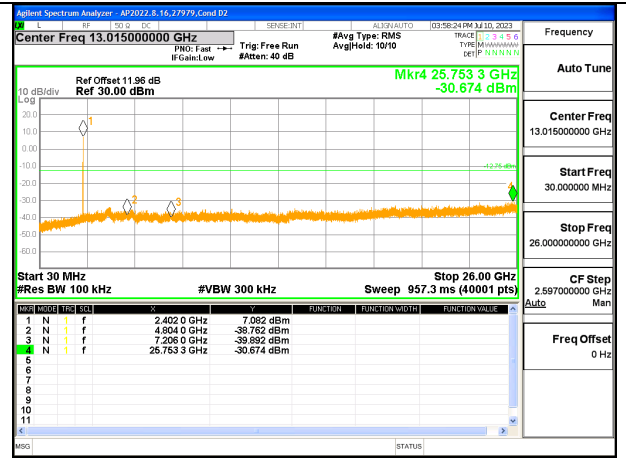
9.8.8. LOW POWER BASIC DATA RATE TXBF 8PSK MODULATION

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

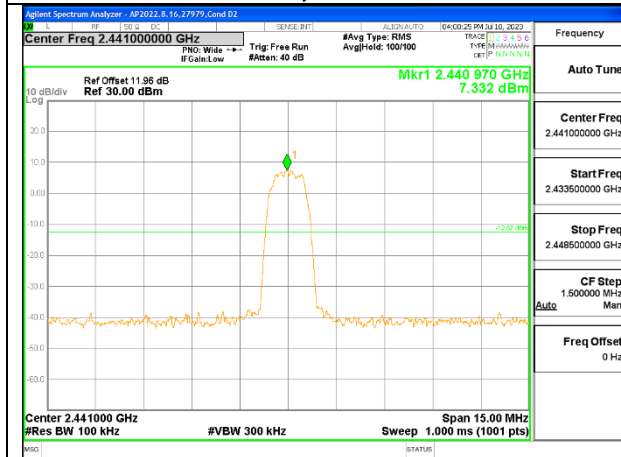
ANT 4



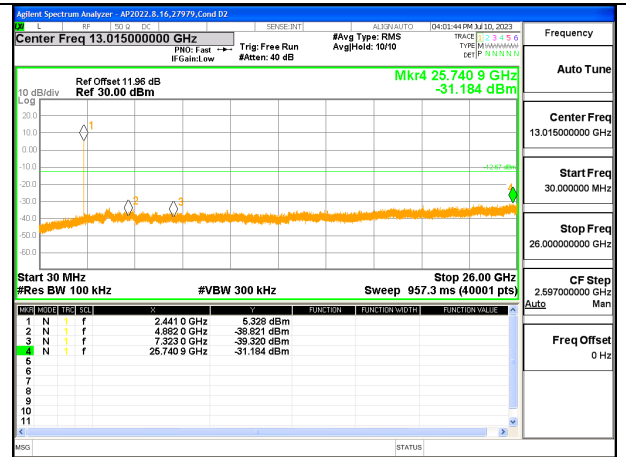
LOW CHANNEL , BANDEDGE ANT 4



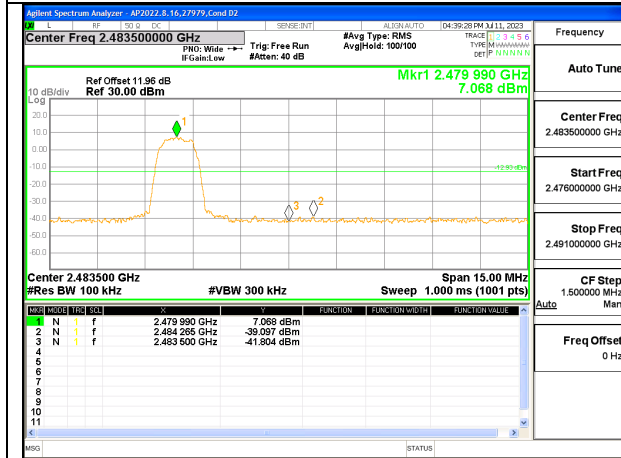
LOW CHANNEL OUT-OF-BAND ANT 4



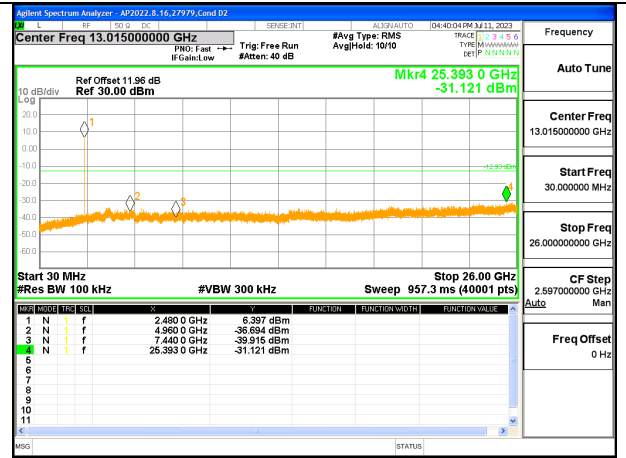
MID CHANNEL REFERENCE ANT 4



MID CHANNEL OUT-OF-BAND ANT 4

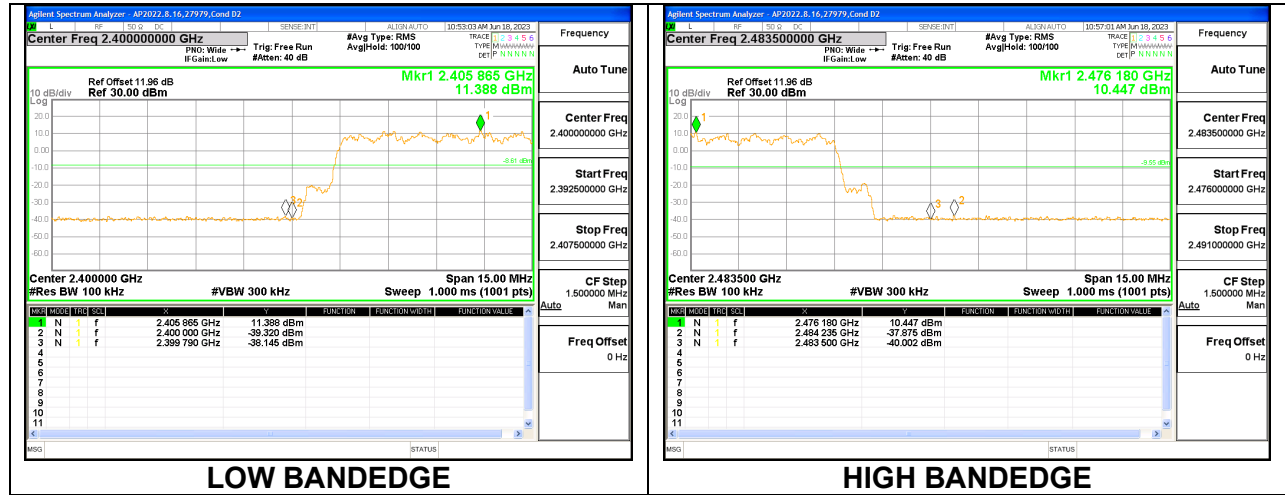


HIGH CHANNEL BANDEDGE ANT 4

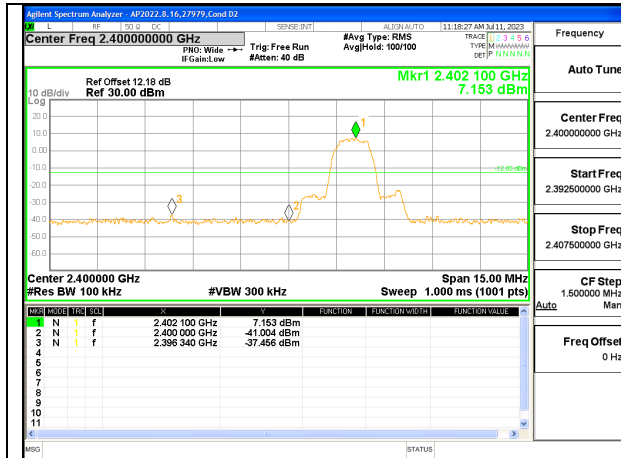


HIGH CHANNEL OUT-OF-BAND ANT 4

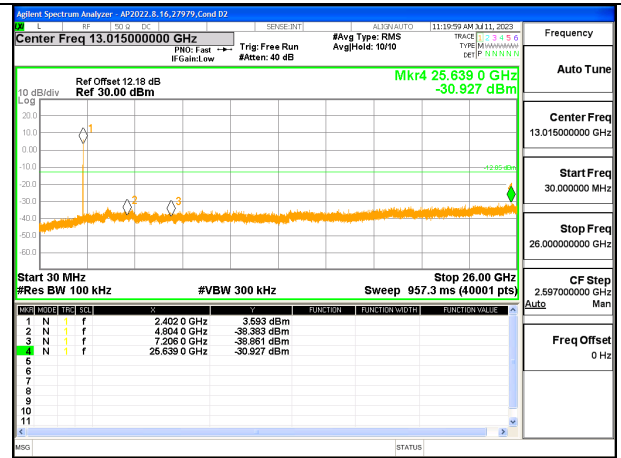
ANT 4 SPURIOUS BANDEGE EMISSIONS WITH HOPPING ON



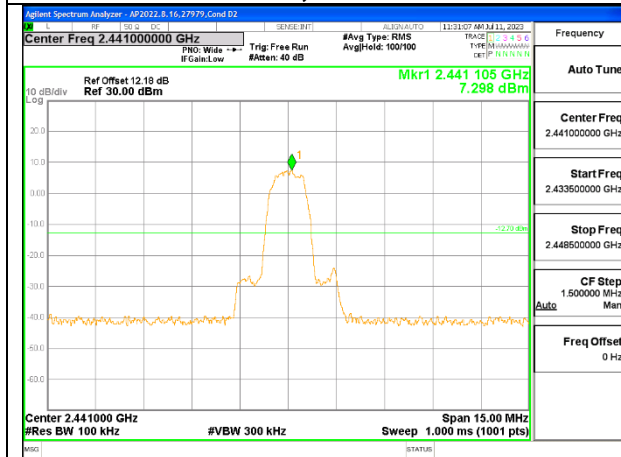
ANT 3



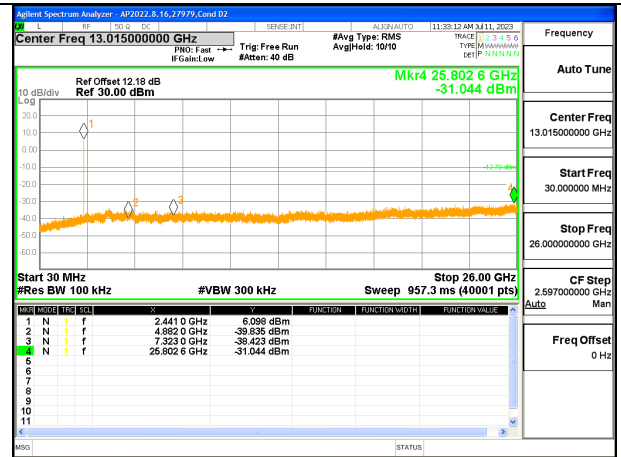
LOW CHANNEL , BANDEDGE ANT 3



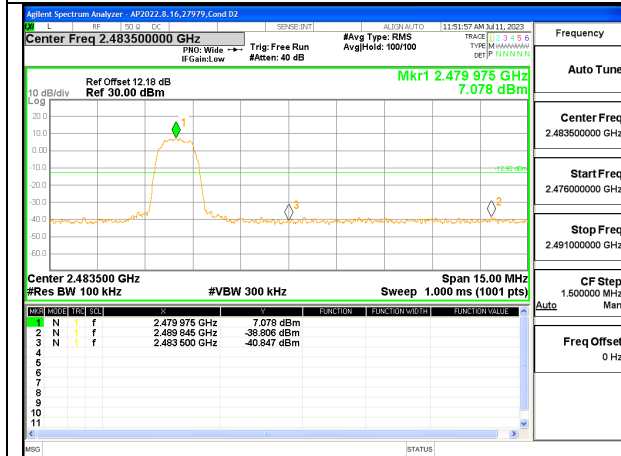
LOW CHANNEL OUT-OF-BAND ANT 3



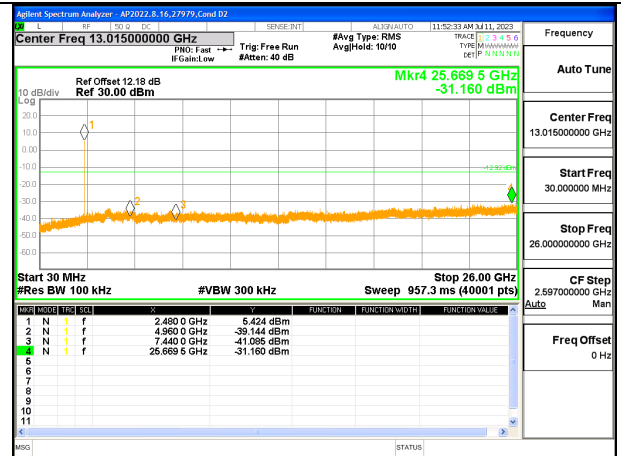
MID CHANNEL REFERENCE ANT 3



MID CHANNEL OUT-OF-BAND ANT 3

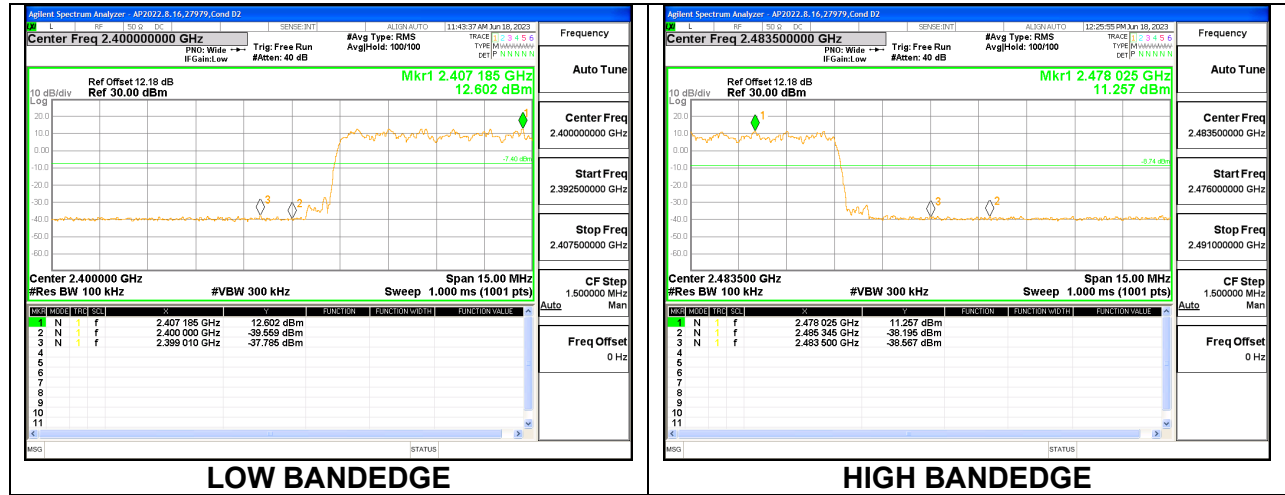


HIGH CHANNEL BANDEDGE ANT 3



HIGH CHANNEL OUT-OF-BAND ANT 3

ANT 3 SPURIOUS BANDEGE 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 has to 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.

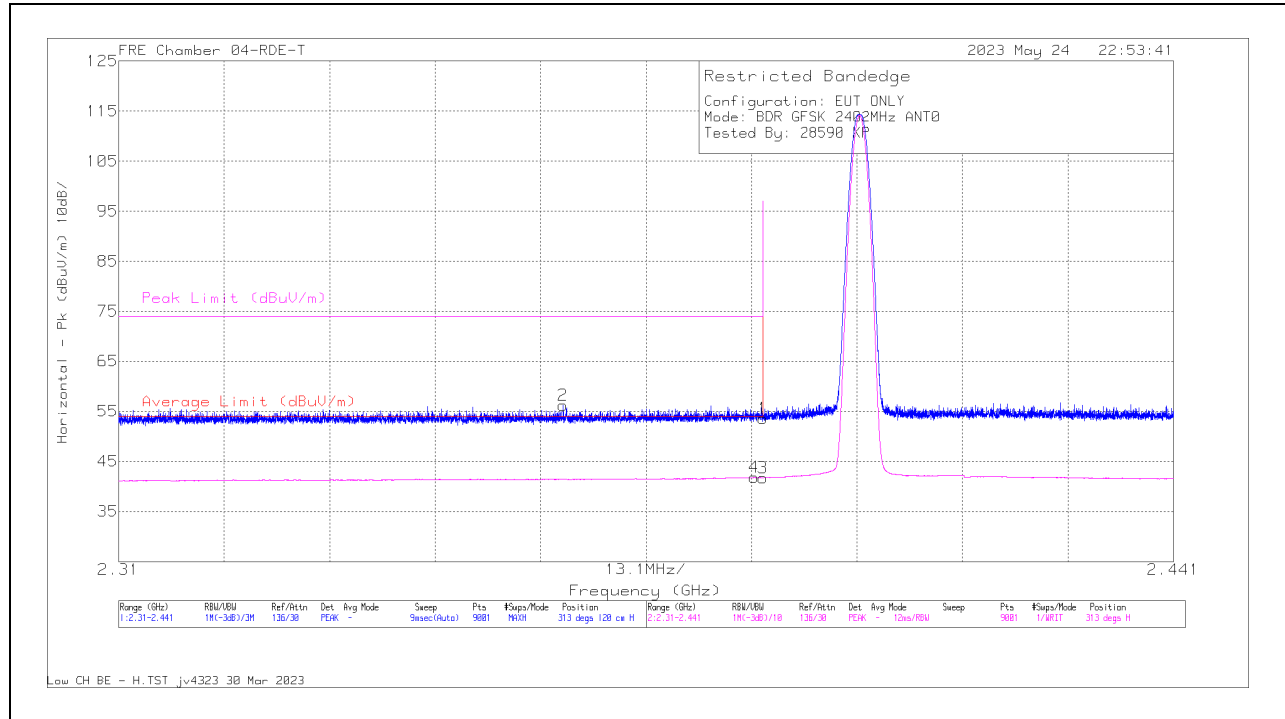
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

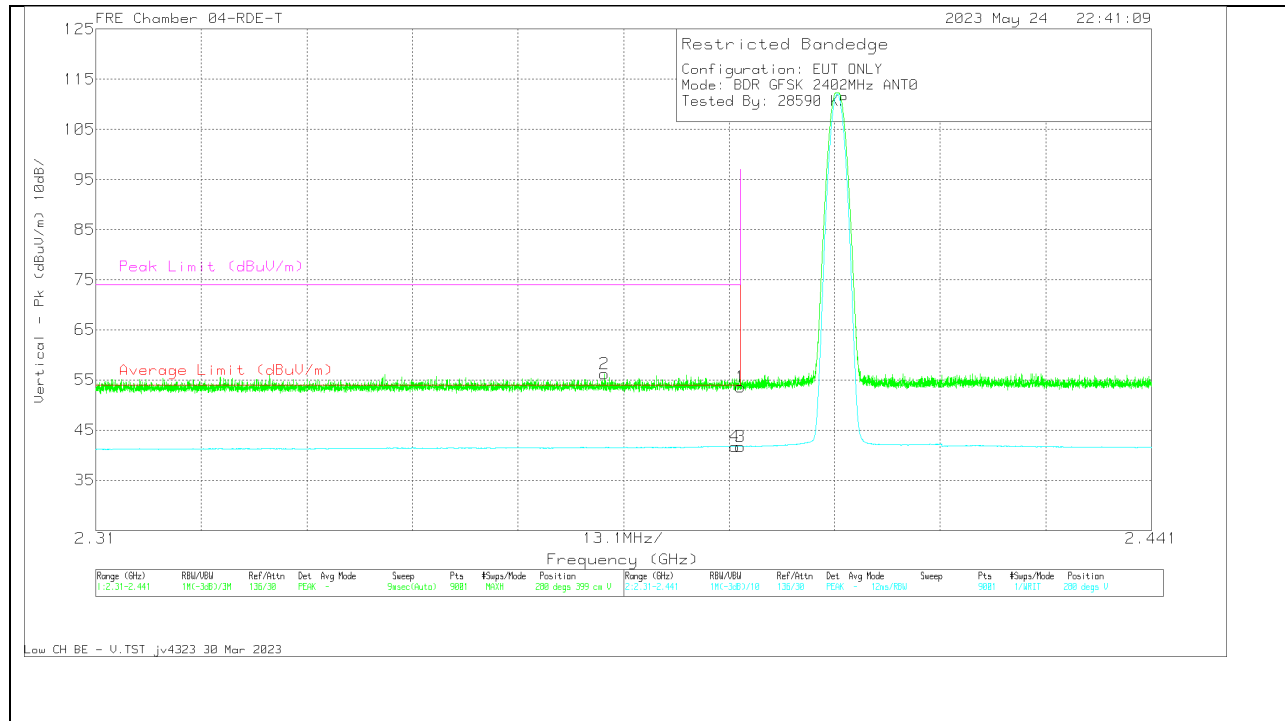
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 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	59.41	Pk	32.1	0	-37.89	53.62	-	-	74	-20.38	313	120	H
2	* 2.365182	62.11	Pk	32	0	-37.9	56.21	-	-	74	-17.79	313	120	H
3	* 2.39	47.56	VA1T	32.1	0	-37.89	41.77	54	-12.23	-	-	313	120	H
4	* 2.388937	47.58	VA1T	32.1	0	-37.88	41.8	54	-12.2	-	-	313	120	H

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

VERTICAL RESULT

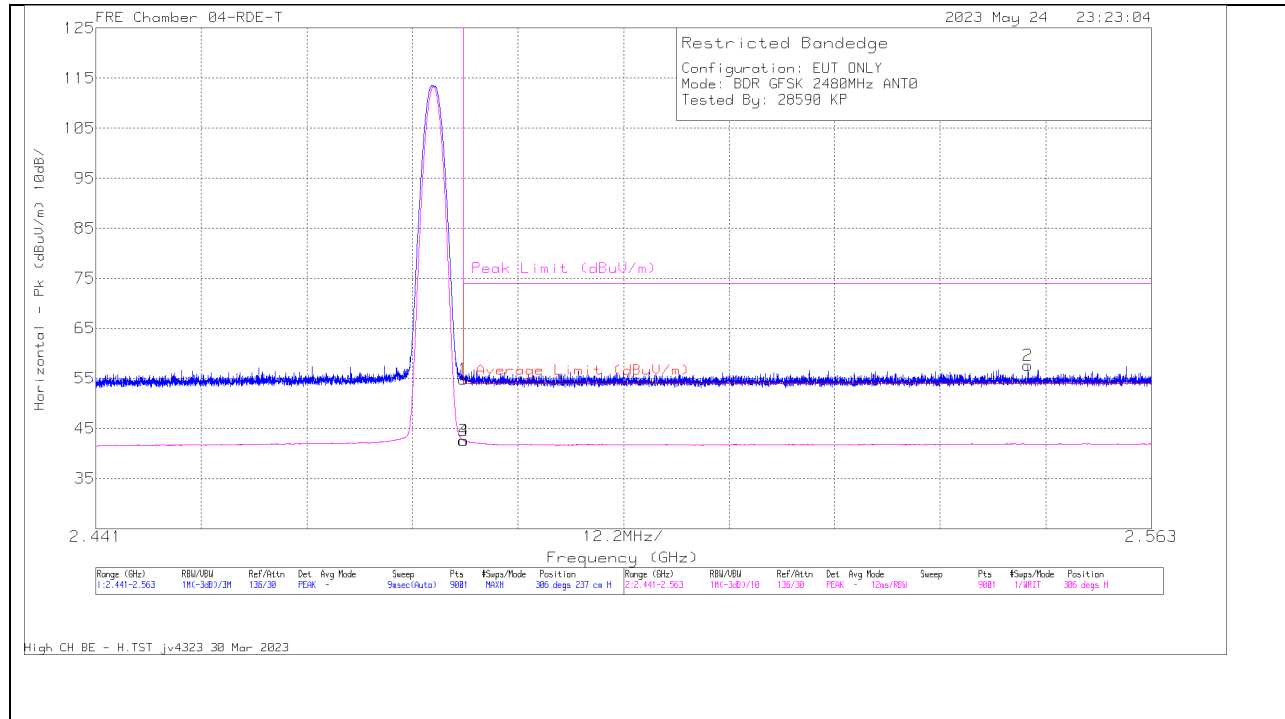


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.37	Pk	32.1	0	-37.89	53.58	-	-	74	-20.42	280	399	V
2	* 2.373129	62.02	Pk	32.1	0	-37.88	56.24	-	-	74	-17.76	280	399	V
3	* 2.39	47.55	VA1T	32.1	0	-37.89	41.76	54	-12.24	-	-	280	399	V
4	* 2.389345	47.55	VA1T	32.1	0	-37.88	41.77	54	-12.23	-	-	280	399	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)

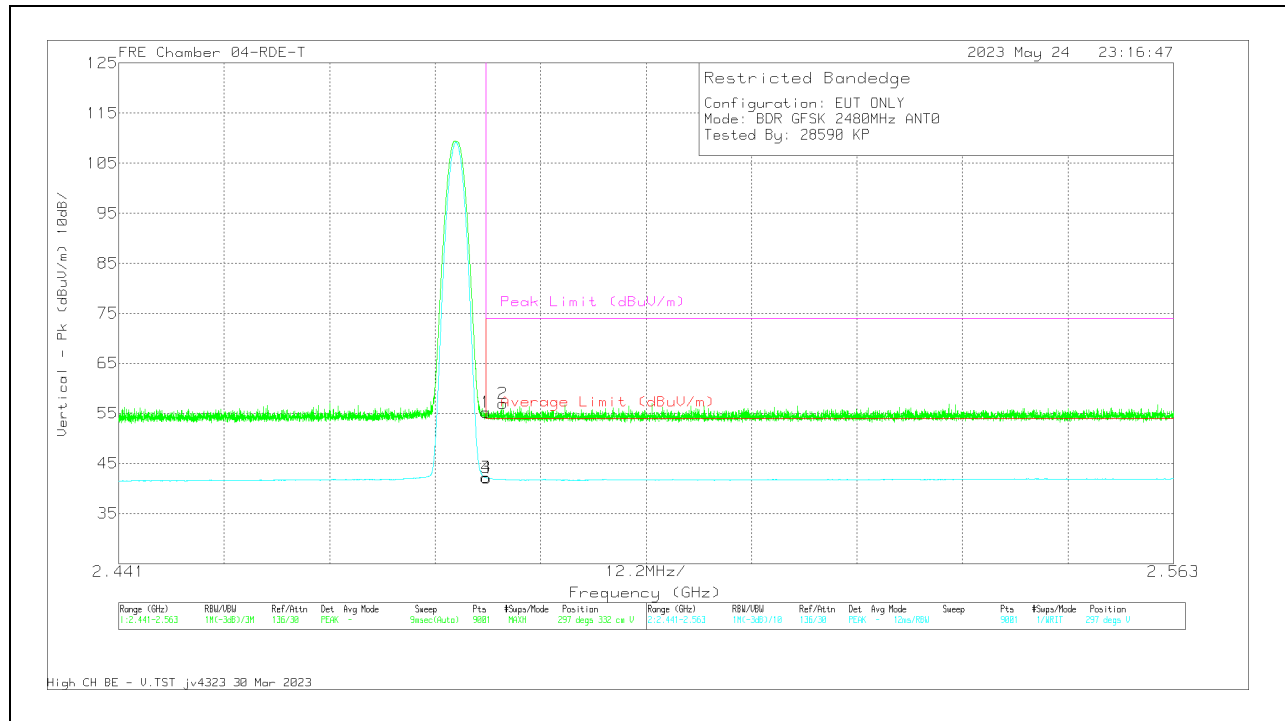
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	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	60.49	Pk	32.2	0	-37.81	54.88	-	-	74	-19.12	306	237	H
3	* 2.4835	48.23	VA1T	32.2	0	-37.81	42.62	54	-11.38	-	-	306	237	H
4	* 2.483512	48.22	VA1T	32.2	0	-37.81	42.61	54	-11.39	-	-	306	237	H
2	2.548743	63.02	Pk	32.3	0	-37.76	57.56	-	-	74	-16.44	306	237	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



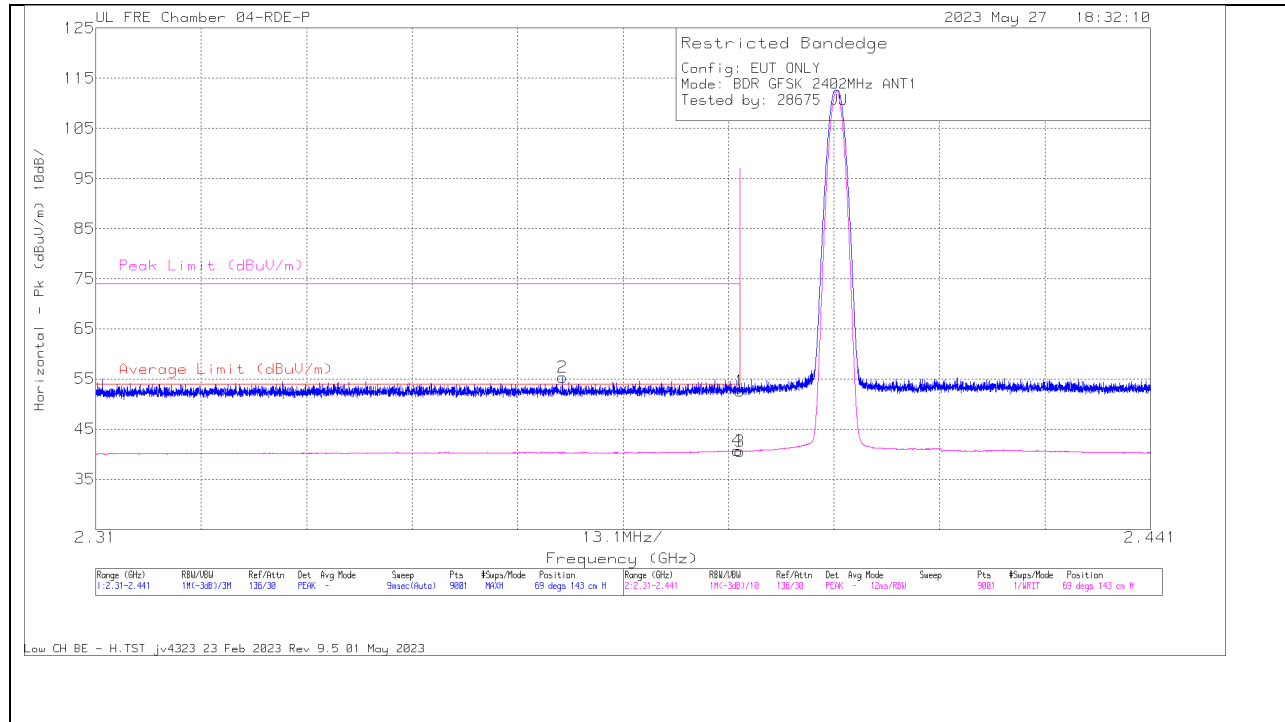
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.79	Pk	32.2	0	-37.81	55.18	-	-	74	-18.82	297	332	V
2	* 2.485423	62.5	Pk	32.3	0	-37.82	56.98	-	-	74	-17.02	297	332	V
3	* 2.4835	47.77	VA1T	32.2	0	-37.81	42.16	54	-11.84	-	-	297	332	V
4	* 2.483512	47.76	VA1T	32.2	0	-37.81	42.15	54	-11.85	-	-	297	332	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

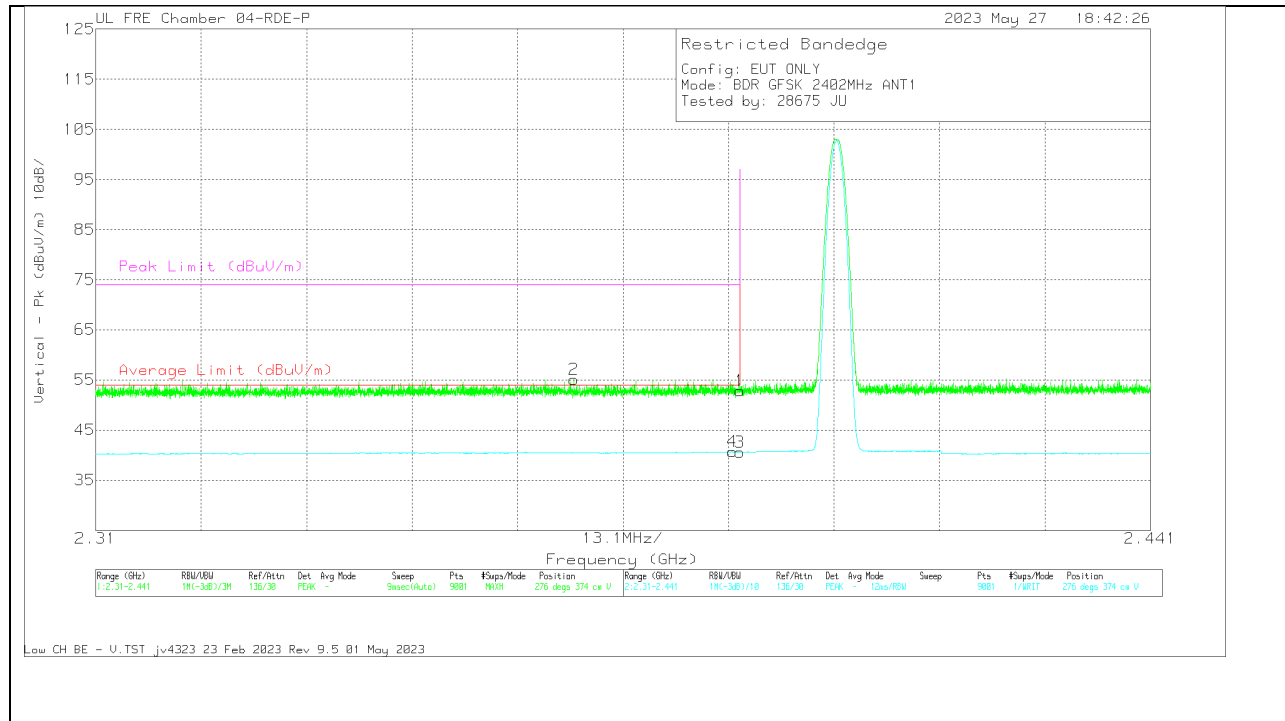
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3MHz	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	2.367947	63.46	Pk	31.6	-39.76	55.3	-	-	74	-18.7	69	143	H
4	2.389738	48.74	VA1T	31.7	-39.78	40.66	54	-13.34	-	-	69	143	H
1	2.39	60.68	Pk	31.7	-39.79	52.59	-	-	74	-21.41	69	143	H
3	2.39	48.68	VA1T	31.7	-39.79	40.59	54	-13.41	-	-	69	143	H

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

VERTICAL RESULT



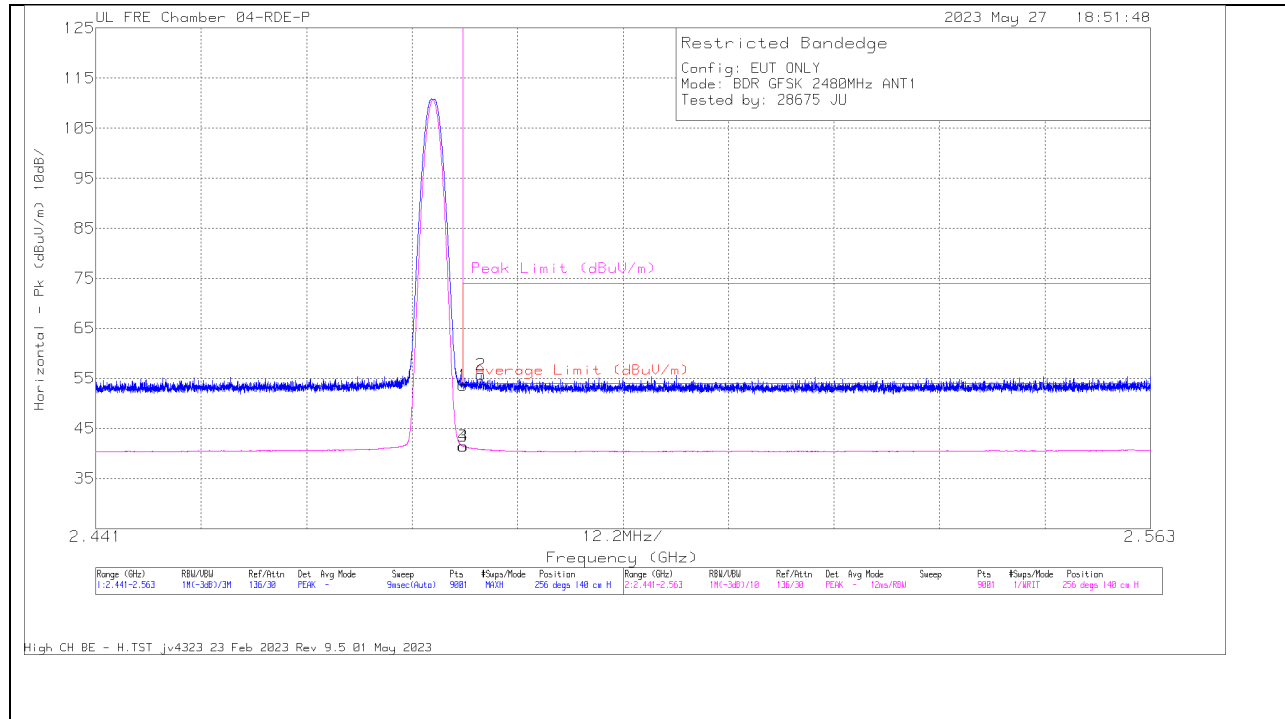
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.369359	63.23	Pk	31.6	-39.78	55.05	-	-	74	-18.95	276	374	V
4	2.389083	48.74	VA1T	31.7	-39.77	40.67	54	-13.33	-	-	276	374	V
1	2.39	60.98	Pk	31.7	-39.79	52.89	-	-	74	-21.11	276	374	V
3	2.39	48.7	VA1T	31.7	-39.79	40.61	54	-13.39	-	-	276	374	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

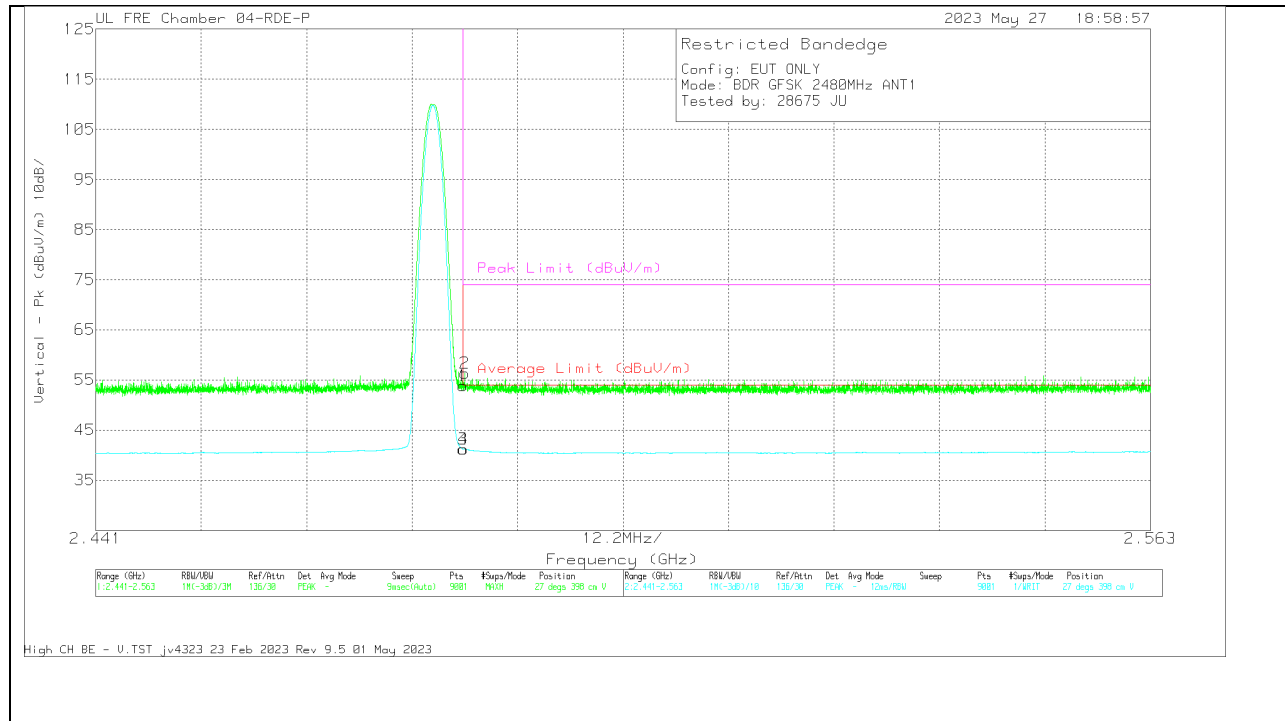


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	61.27	Pk	32.1	-39.76	53.61	-	-	74	-20.39	256	140	H
3	2.4835	49.07	VA1T	32.1	-39.76	41.41	54	-12.59	-	-	256	140	H
4	2.483512	49.06	VA1T	32.1	-39.75	41.41	54	-12.59	-	-	256	140	H
2	2.485559	63.36	Pk	32.1	-39.76	55.7	-	-	74	-18.3	256	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 (GHz)	Meter Reading (dBuV)	Det	222740 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	61.51	Pk	32.1	-39.76	53.85	-	-	74	-20.15	27	398	V
3	2.4835	48.88	VA1T	32.1	-39.76	41.22	54	-12.78	-	-	27	398	V
4	2.483512	48.88	VA1T	32.1	-39.75	41.23	54	-12.77	-	-	27	398	V
2	2.483674	64.05	Pk	32.1	-39.75	56.4	-	-	74	-17.6	27	398	V

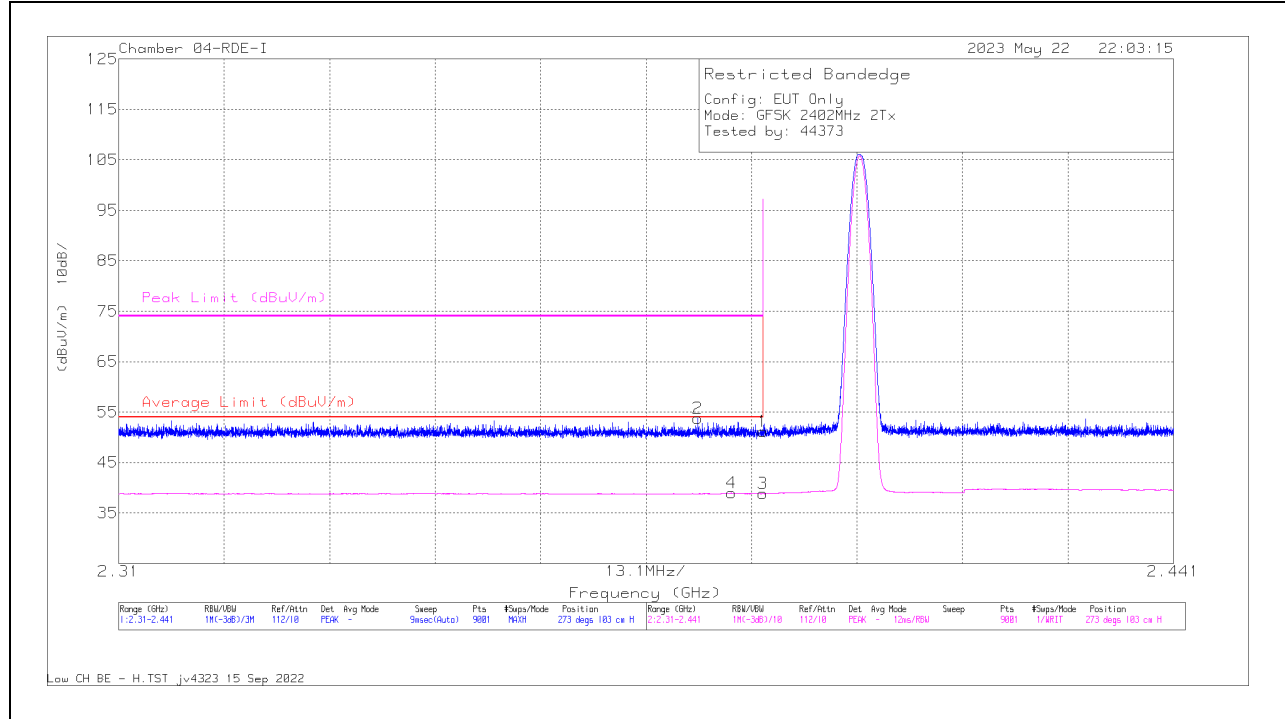
Pk - Peak detector

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

10.1.2. HIGH POWER BASIC DATA RATE TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



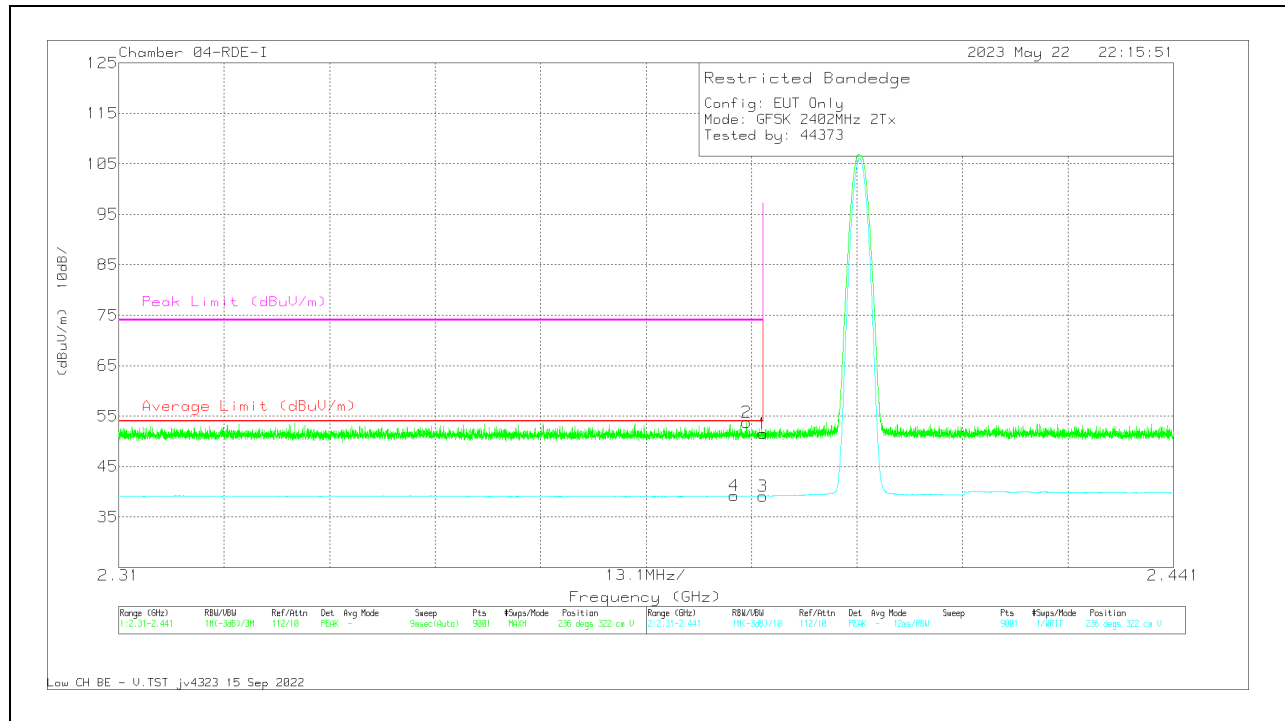
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.1	Pk	31.7	-20.6	51.2	-	-	74	-22.8	273	103	H
2	* 2.381892	42.54	Pk	31.7	-20.5	53.74	-	-	74	-20.26	273	103	H
3	* 2.39	27.74	VAIT	31.7	-20.6	38.84	54	-15.16	-	-	273	103	H
4	* 2.386084	27.74	VAIT	31.7	-20.5	38.94	54	-15.06	-	-	273	103	H

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

Pk - Peak detector

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

VERTICAL RESULT

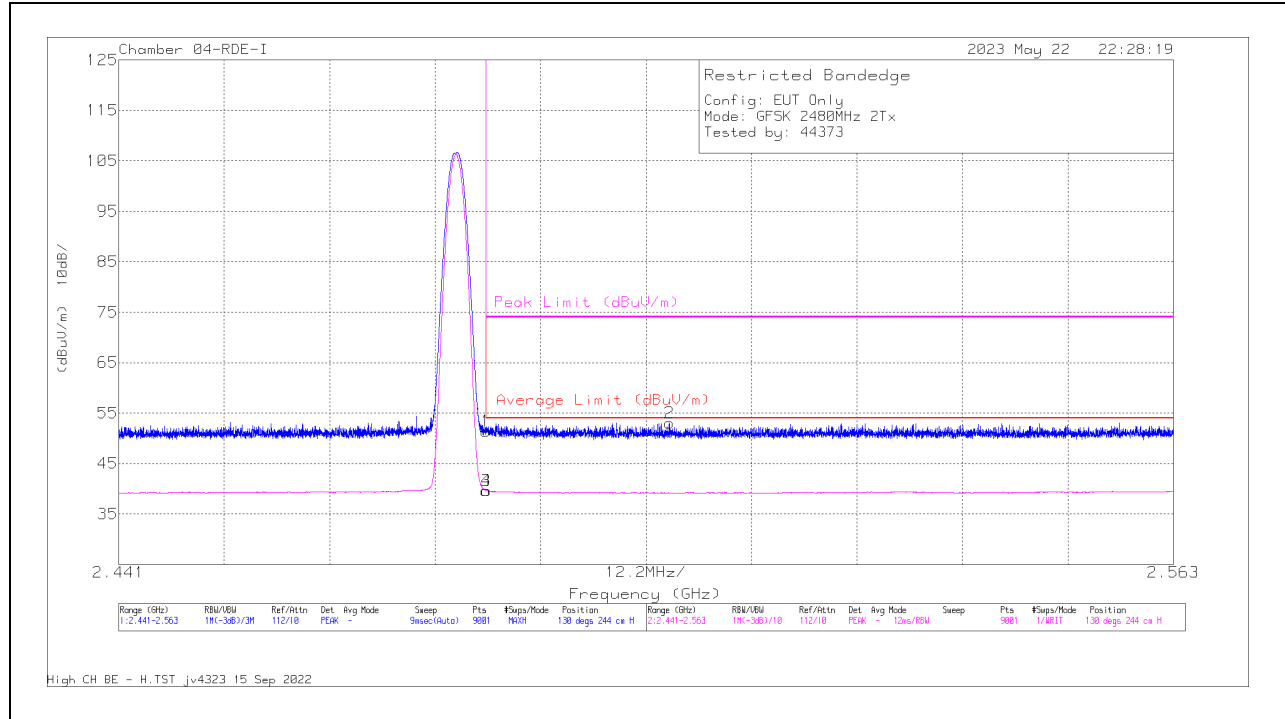


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.44	Pk	31.7	-20.6	51.54	-	-	74	-22.46	236	322	V
2	* 2.388006	42.64	Pk	31.7	-20.6	53.74	-	-	74	-20.26	236	322	V
3	* 2.39	28.02	VAIT	31.7	-20.6	39.12	54	-14.88	-	-	236	322	V
4	* 2.386434	28.01	VAIT	31.7	-20.5	39.21	54	-14.79	-	-	236	322	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



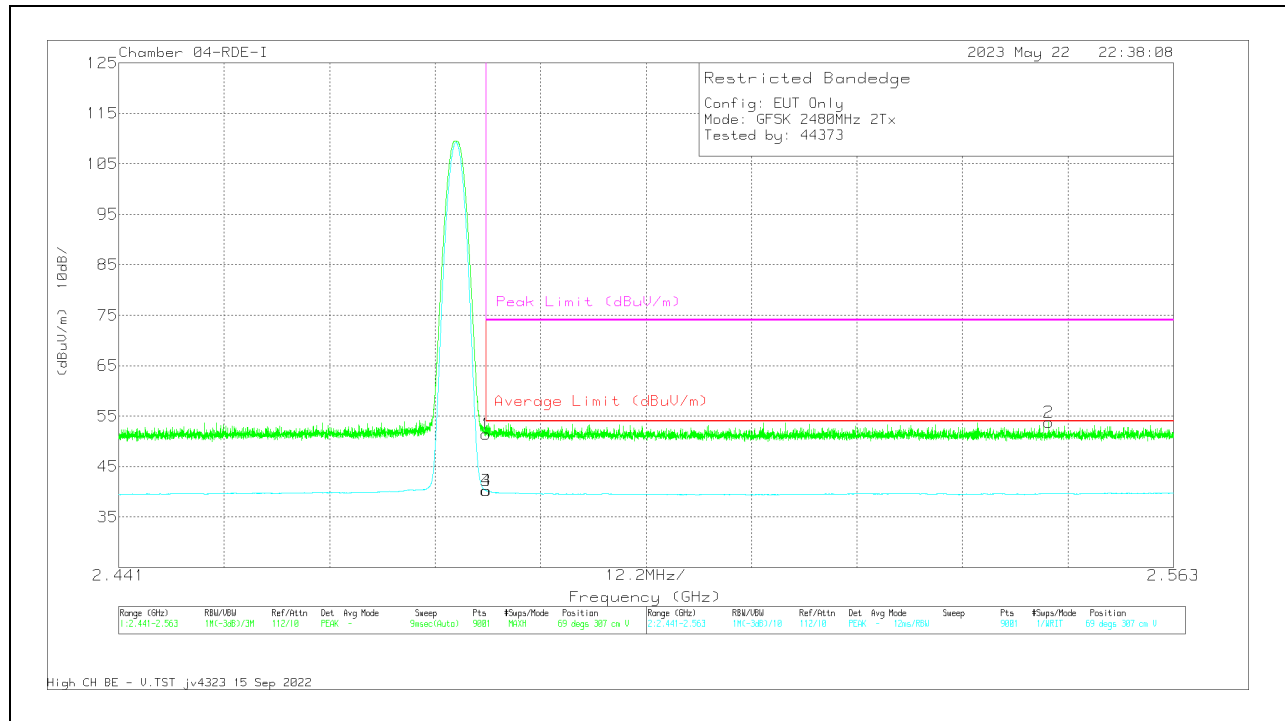
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	40.49	Pk	32	-21.1	51.39	-	-	74	-22.61	130	244	H
2	2.5047	42.05	Pk	32.1	-21.1	53.05	-	-	74	-20.95	130	244	H
3	* 2.4835	28.77	VA1T	32	-21.1	39.67	54	-14.33	-	-	130	244	H
4	* 2.483512	28.77	VA1T	32	-21.1	39.67	54	-14.33	-	-	130	244	H

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

Pk - Peak detector

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3MHz	Amp/Cbl/Pad (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	40.55	Pk	32	-21.1	51.45	-	-	74	-22.55	69	307	V
2	2.548567	42.71	Pk	32.2	-21.1	53.81	-	-	74	-20.19	69	307	V
3	* 2.4835	29.29	VAIT	32	-21.1	40.19	54	-13.81	-	-	69	307	V
4	* 2.483512	29.29	VAIT	32	-21.1	40.19	54	-13.81	-	-	69	307	V

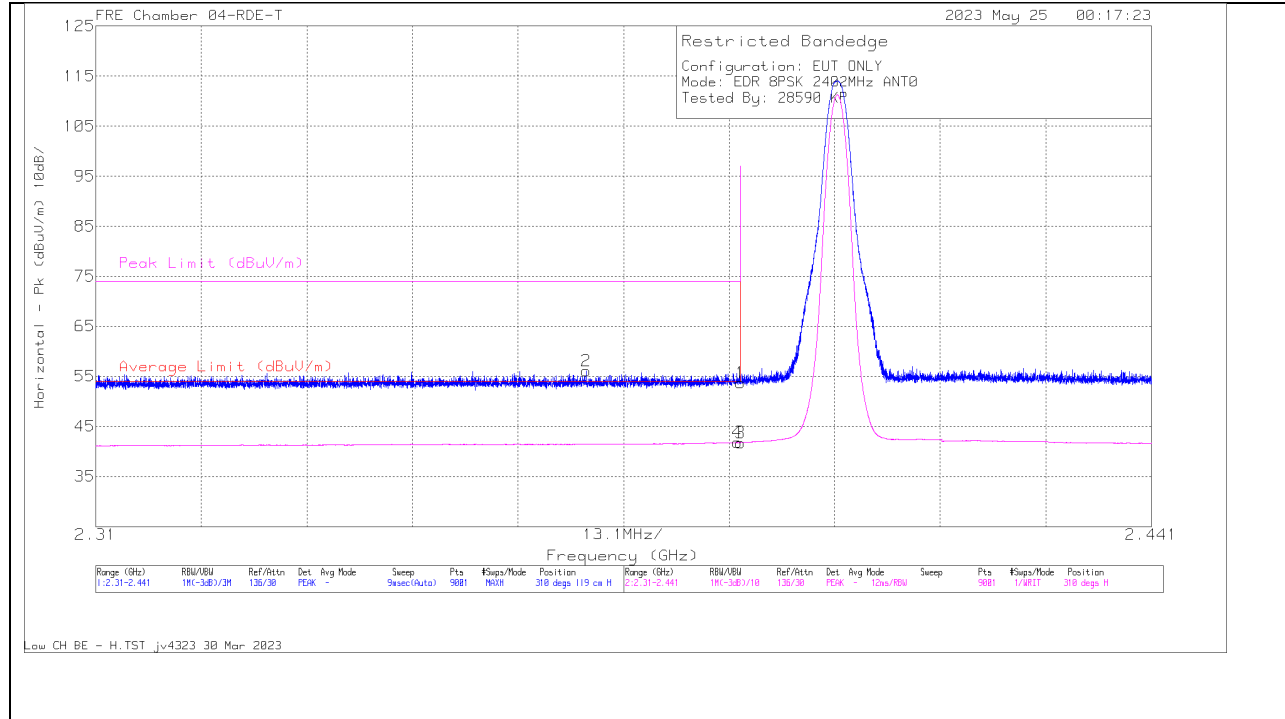
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 VAIT - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.3. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

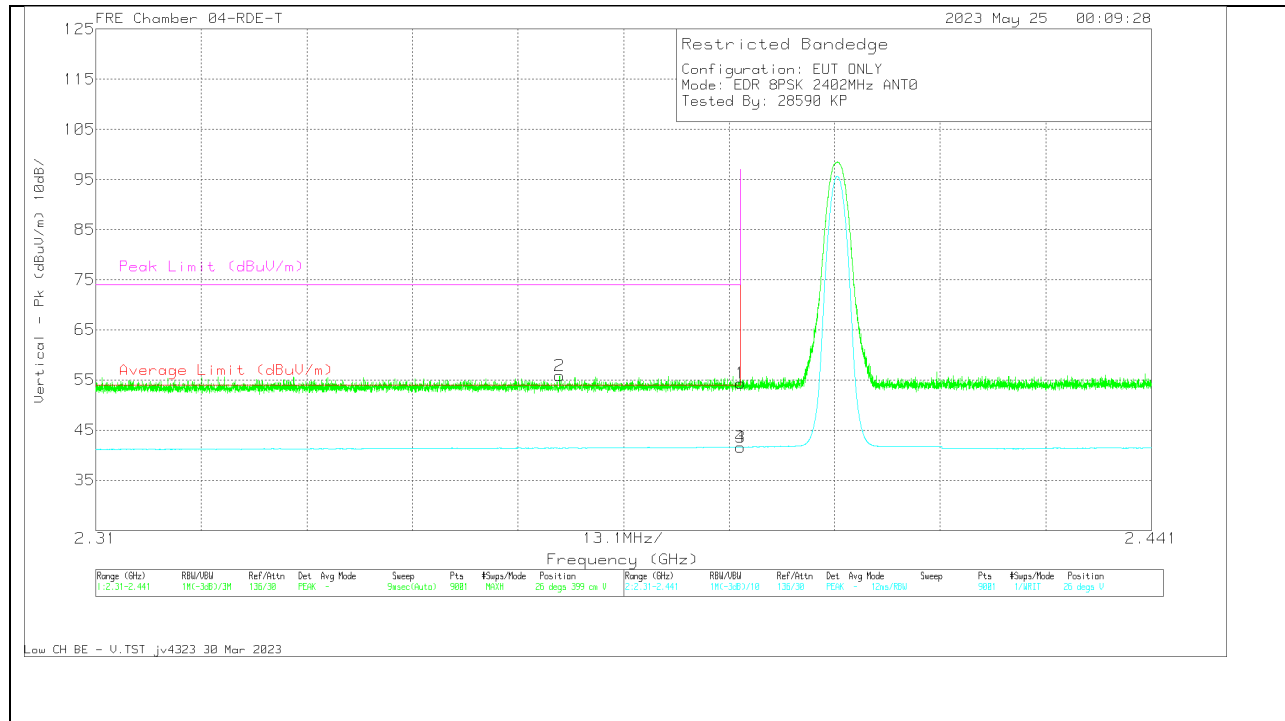
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 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	59.46	Pk	32.1	0	-37.89	53.67	-	-	74	-20.33	310	119	H
2	* 2.370844	61.86	Pk	32.1	0	-37.86	56.1	-	-	74	-17.9	310	119	H
3	* 2.39	47.56	VA1T	32.1	0	-37.89	41.77	54	-12.23	-	-	310	119	H
4	* 2.389607	47.59	VA1T	32.1	0	-37.89	41.8	54	-12.2	-	-	310	119	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

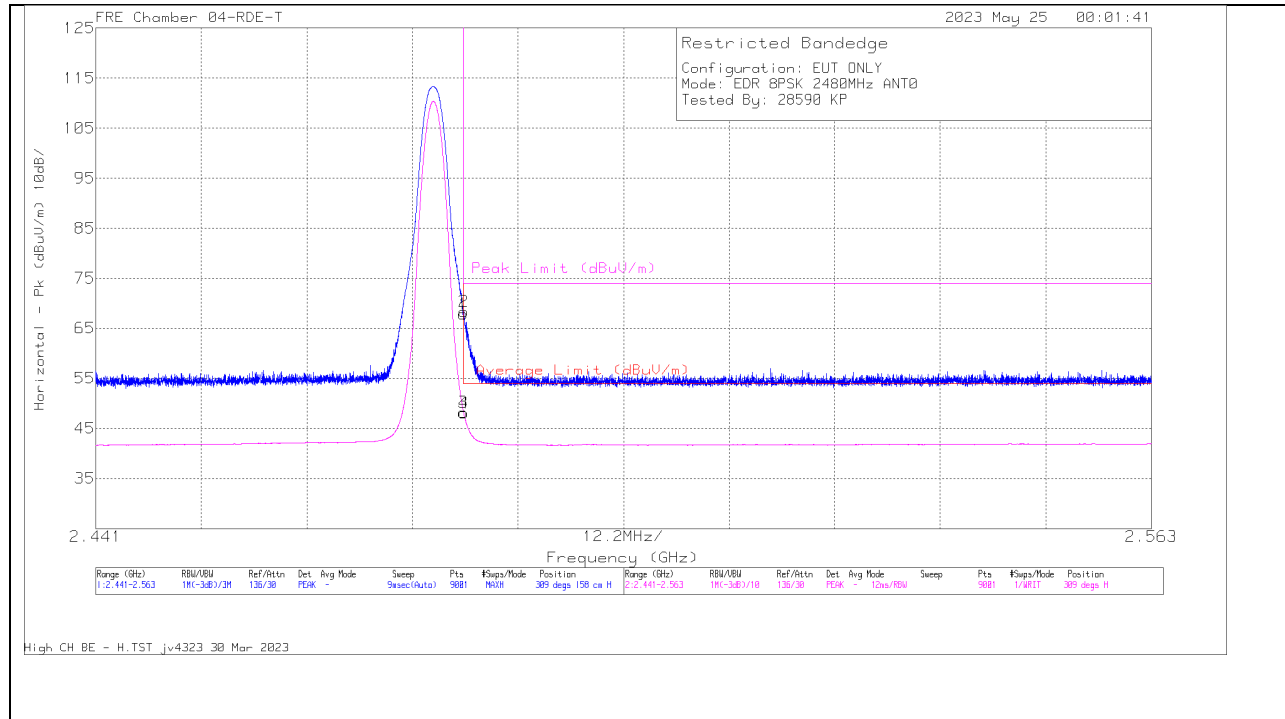


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.2	Pk	32.1	0	-37.89	54.41	-	-	74	-19.59	26	399	V
2	* 2.367554	61.67	Pk	32.1	0	-37.91	55.86	-	-	74	-18.14	26	399	V
3	* 2.39	47.41	VA1T	32.1	0	-37.89	41.62	54	-12.38	-	-	26	399	V
4	* 2.39	47.41	VA1T	32.1	0	-37.89	41.62	54	-12.38	-	-	26	399	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)

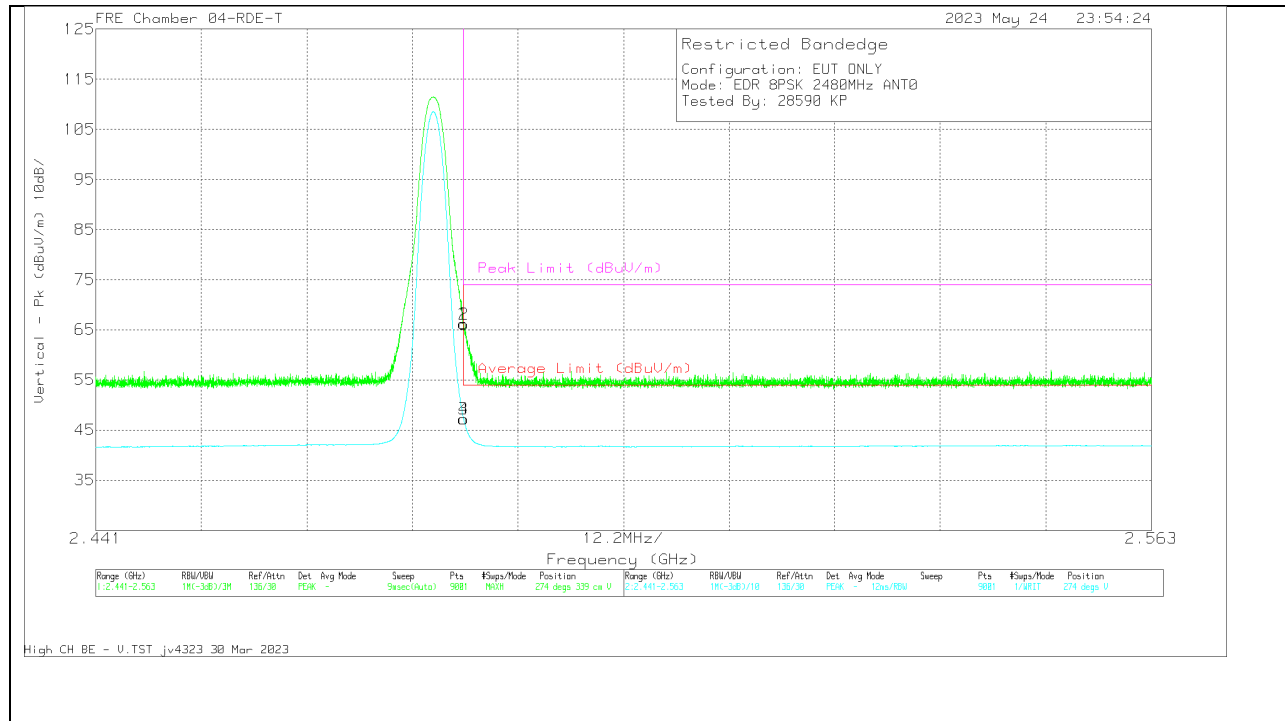
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	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	73.46	Pk	32.2	0	-37.81	67.85	-	-	74	-6.15	309	158	H
2	* 2.483525	73.93	Pk	32.2	0	-37.81	68.32	-	-	74	-5.68	309	158	H
3	* 2.4835	53.82	VA1T	32.2	0	-37.81	48.21	54	-5.79	-	-	309	157	H
4	* 2.483512	53.73	VA1T	32.2	0	-37.81	48.12	54	-5.88	-	-	309	157	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



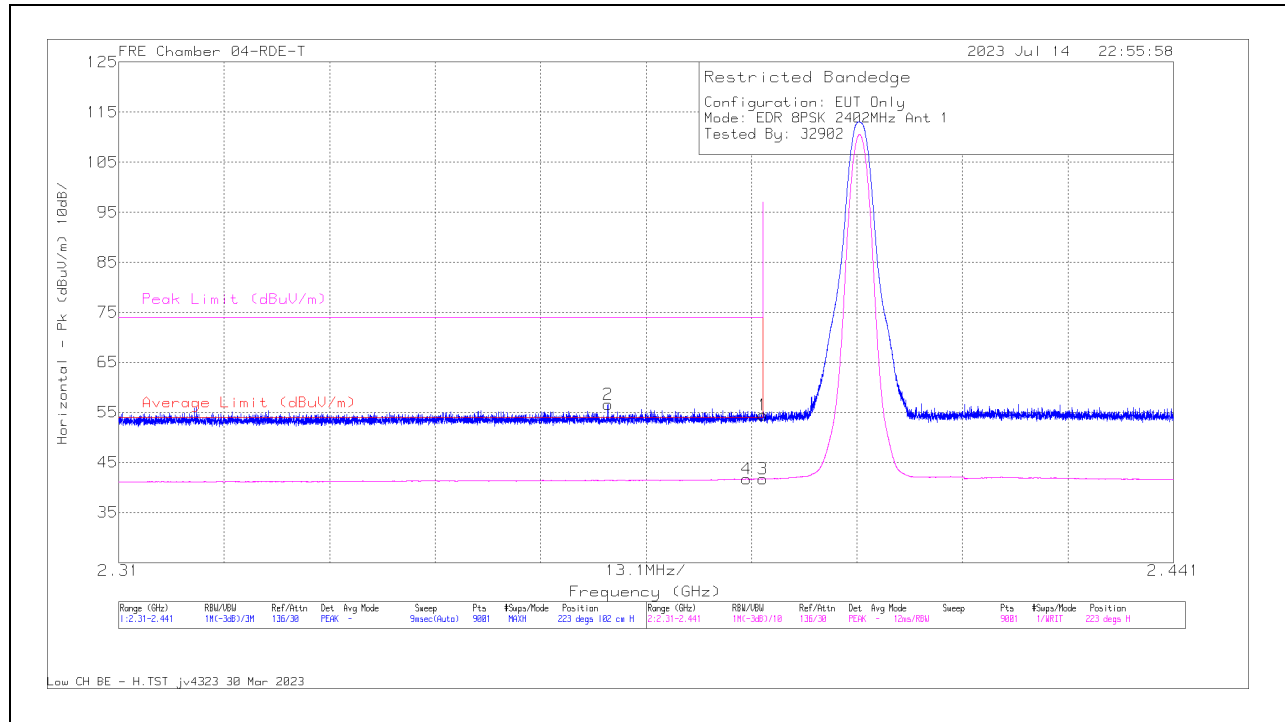
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	71.88	Pk	32.2	0	-37.81	66.27	-	-	74	-7.73	274	339	V
2	* 2.483539	71.72	Pk	32.2	0	-37.81	66.11	-	-	74	-7.89	274	339	V
3	* 2.4835	52.87	VA1T	32.2	0	-37.81	47.26	54	-6.74	-	-	274	339	V
4	* 2.483512	52.79	VA1T	32.2	0	-37.81	47.18	54	-6.82	-	-	274	339	V

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

ANT 3

BANEDGE (LOW CHANNEL)

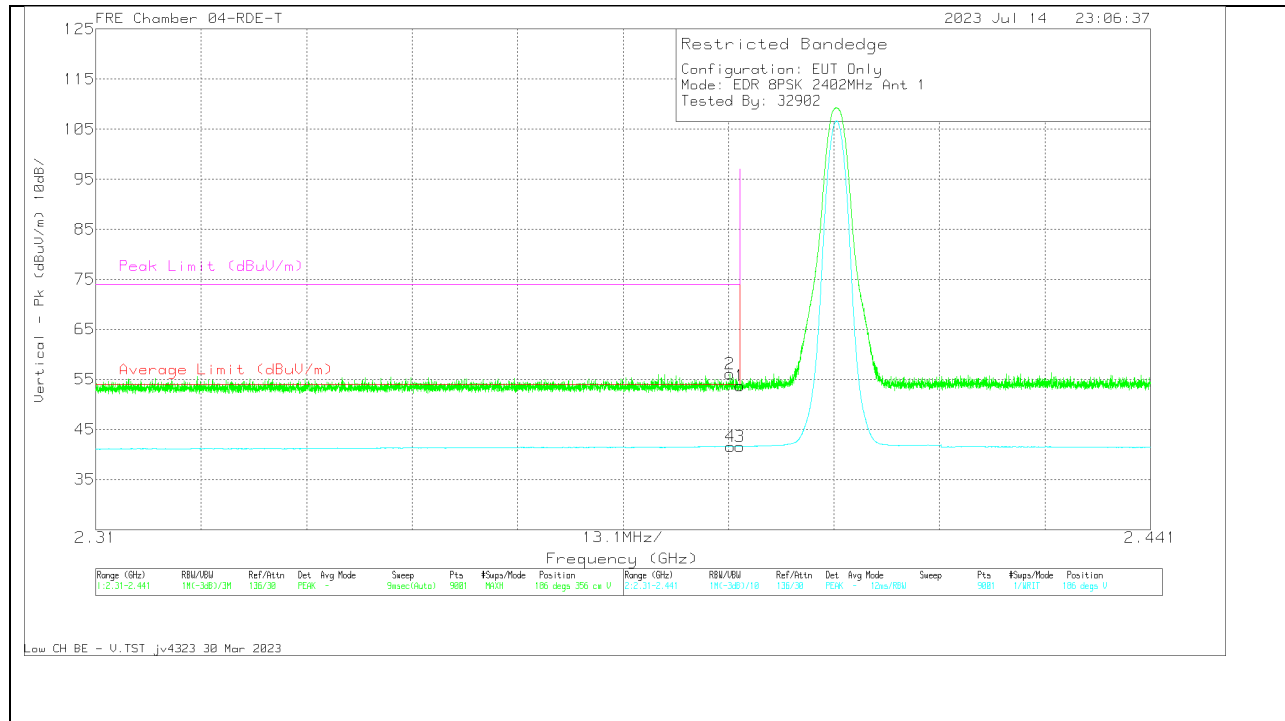
HORIZONTAL RESULT



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	60.28	Pk	32.1	-37.89	54.49	-	-	74	-19.51	223	102	H
2	* 2.370757	62.33	Pk	32.1	-37.86	56.57	-	-	74	-17.43	223	102	H
3	* 2.39	47.47	VA1T	32.1	-37.89	41.68	54	-12.32	-	-	223	102	H
4	* 2.388006	47.47	VA1T	32.1	-37.87	41.7	54	-12.3	-	-	223	102	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

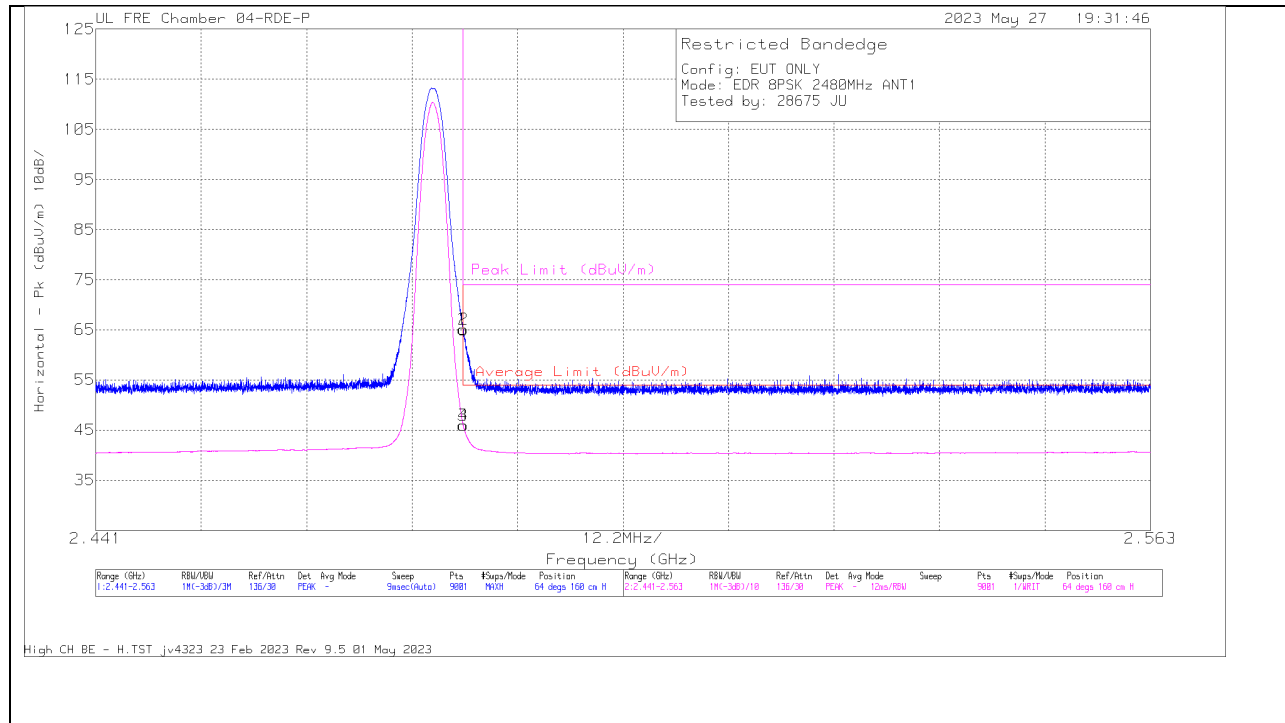


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.5	Pk	32.1	-37.89	53.71	-	-	74	-20.29	186	356	V
2	* 2.388763	61.9	Pk	32.1	-37.88	56.12	-	-	74	-17.88	186	356	V
3	* 2.39	47.36	VA1T	32.1	-37.89	41.57	54	-12.43	-	-	186	356	V
4	* 2.388879	47.42	VA1T	32.1	-37.88	41.64	54	-12.36	-	-	186	356	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

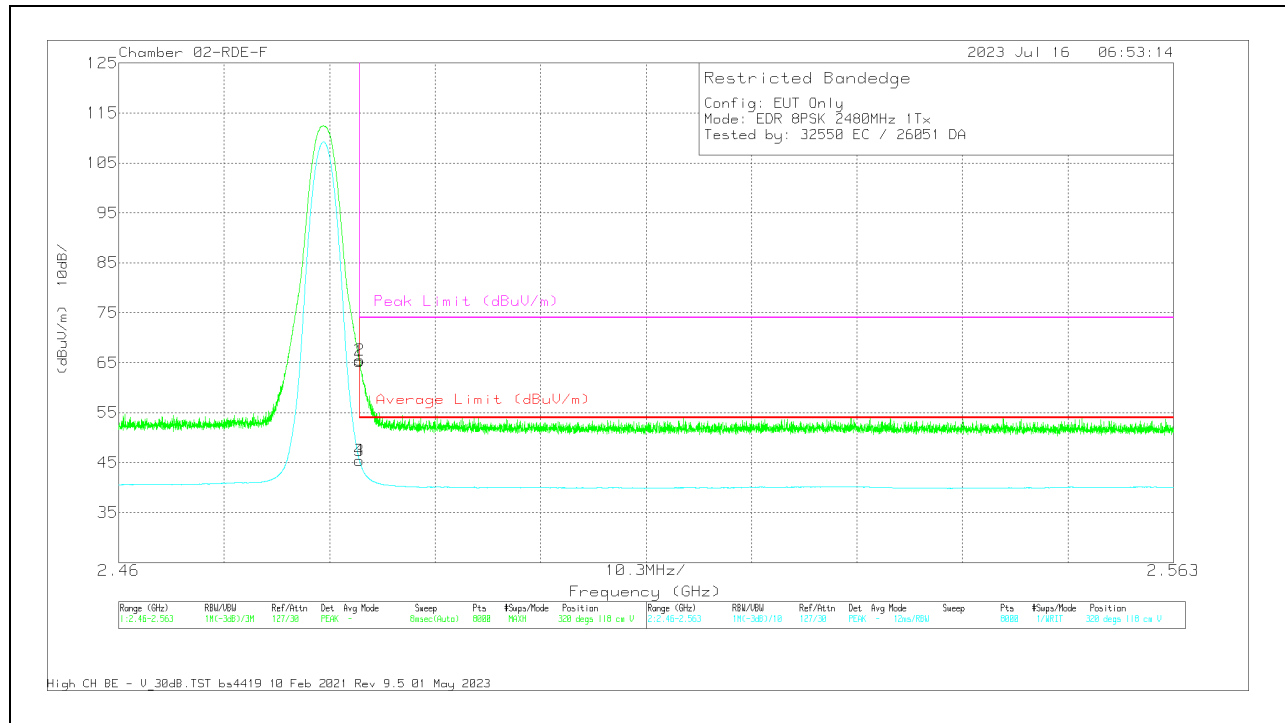


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF(dB) - 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	72.75	Pk	32.1	-39.76	65.09	-	-	74	-8.91	64	160	H
3	2.4835	53.65	VA1T	32.1	-39.76	45.99	54	-8.01	-	-	64	160	H
2	2.483512	72.7	Pk	32.1	-39.75	65.05	-	-	74	-8.95	64	160	H
4	2.483512	53.59	VA1T	32.1	-39.75	45.94	54	-8.06	-	-	64	160	H

Pk - Peak detector

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

VERTICAL RESULT



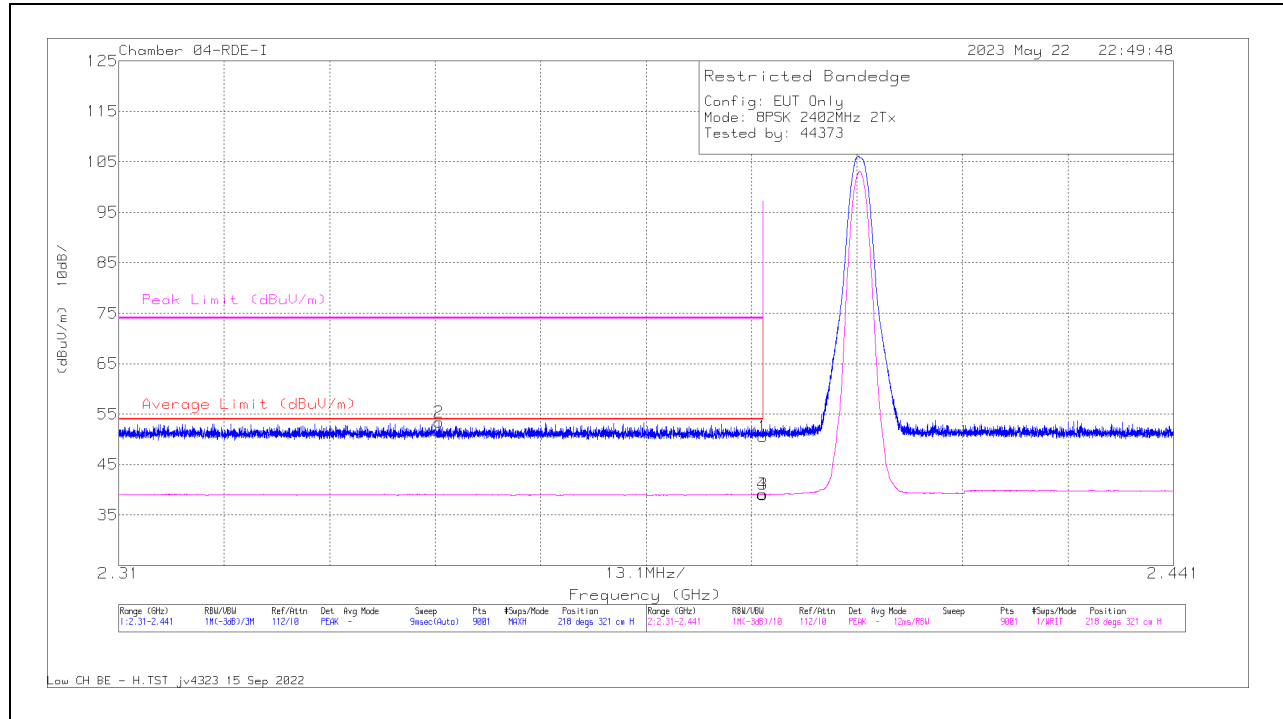
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polariz y
1	* 2.4835	71.26	Pk	32.4	-38.4	65.26	-	-	74	-8.74	320	118	V
2	* 2.483526	71.51	Pk	32.4	-38.4	65.51	-	-	74	-8.49	320	118	V
3	* 2.4835	51.37	VA1T	32.4	-38.4	45.37	54	-8.63	-	-	320	118	V
4	* 2.483501	51.36	VA1T	32.4	-38.4	45.36	54	-8.64	-	-	320	118	V

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

10.1.4. HIGH POWER ENHANCED DATA RATE TXBF 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



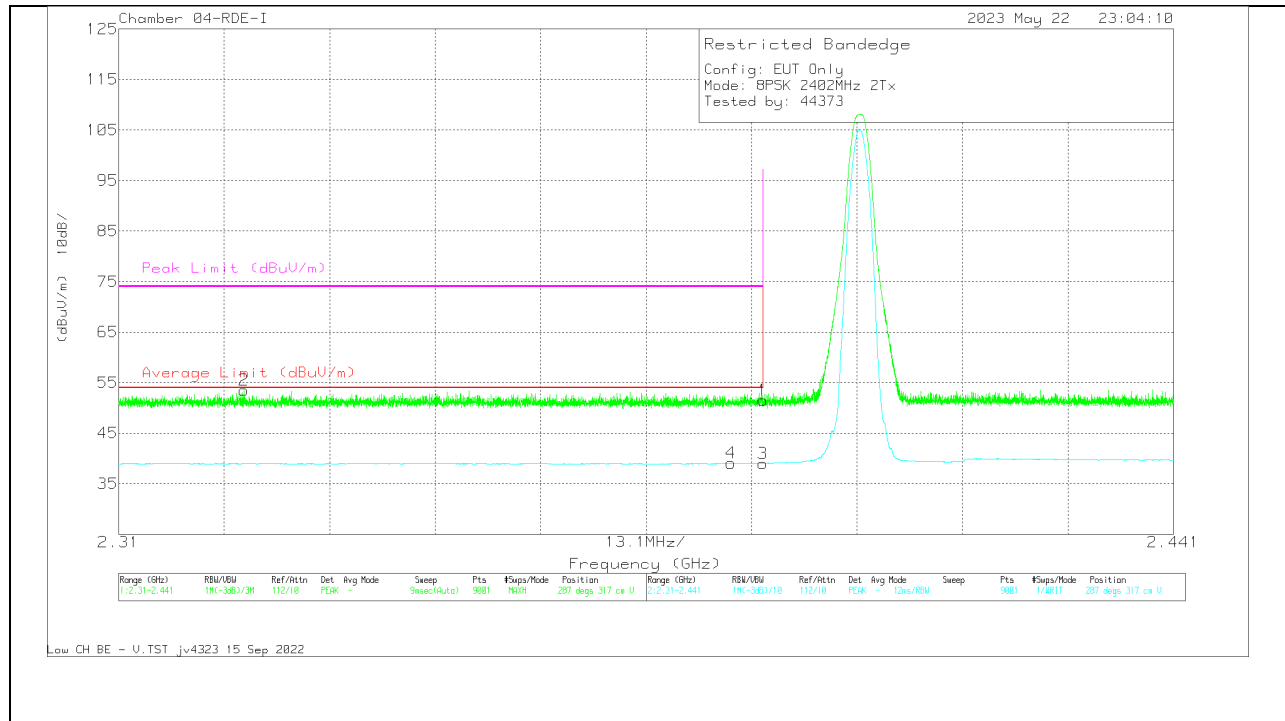
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.44	Pk	31.7	-20.6	50.54	-	-	74	-23.46	218	321	H
2	* 2.349767	41.98	Pk	31.8	-20.4	53.38	-	-	74	-20.62	218	321	H
3	* 2.39	27.96	VAIT	31.7	-20.6	39.06	54	-14.94	-	-	218	321	H
4	* 2.389942	27.99	VAIT	31.7	-20.6	39.09	54	-14.91	-	-	218	321	H

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

Pk - Peak detector

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

VERTICAL RESULT

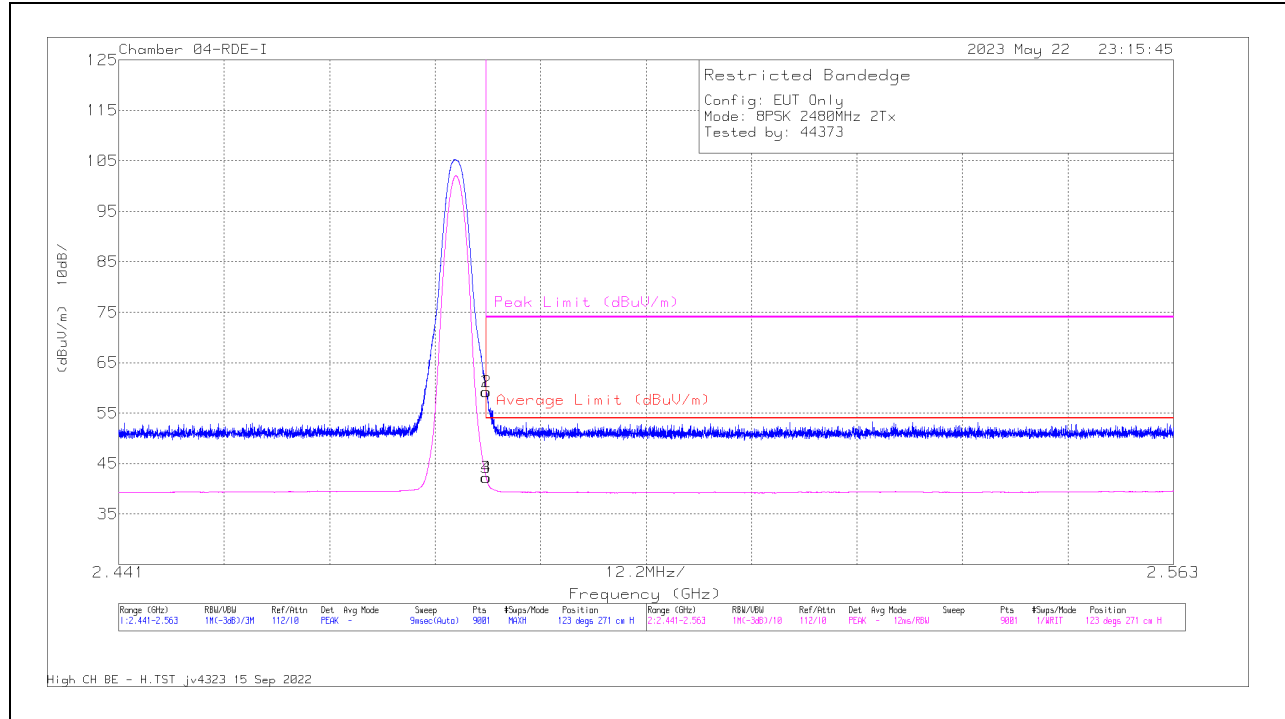


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.47	Pk	31.7	-20.6	51.57	-	-	74	-22.43	287	317	V
2	* 2.325546	42.12	Pk	31.7	-20.3	53.52	-	-	74	-20.48	287	317	V
3	* 2.39	27.91	VAIT	31.7	-20.6	39.01	54	-14.99	-	-	287	317	V
4	* 2.386055	27.86	VAIT	31.7	-20.5	39.06	54	-14.94	-	-	287	317	V

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

BANDEDGE (HIGH CHANNEL)

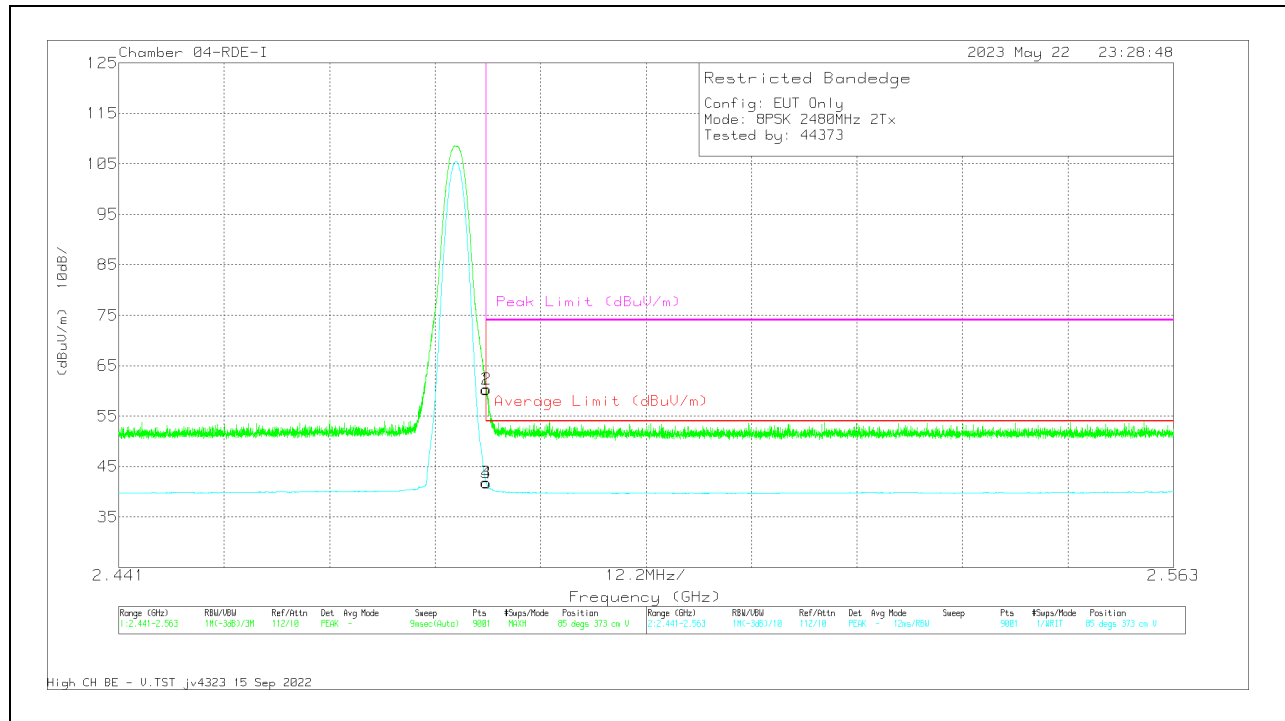
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Pad (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	48.39	Pk	32	-21.1	59.29	-	-	74	-14.71	123	271	H
2	* 2.483512	48.36	Pk	32	-21.1	59.26	-	-	74	-14.74	123	271	H
3	* 2.4835	31.34	VA1T	32	-21.1	42.24	54	-11.76	-	-	123	271	H
4	* 2.483512	31.3	VA1T	32	-21.1	42.2	54	-11.8	-	-	123	271	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Pad (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	49.33	Pk	32	-21.1	60.23	-	-	74	-13.77	85	373	V
2	* 2.483512	49.45	Pk	32	-21.1	60.35	-	-	74	-13.65	85	373	V
3	* 2.4835	30.91	VA1T	32	-21.1	41.81	54	-12.19	-	-	85	373	V
4	* 2.483512	30.87	VA1T	32	-21.1	41.77	54	-12.23	-	-	85	373	V

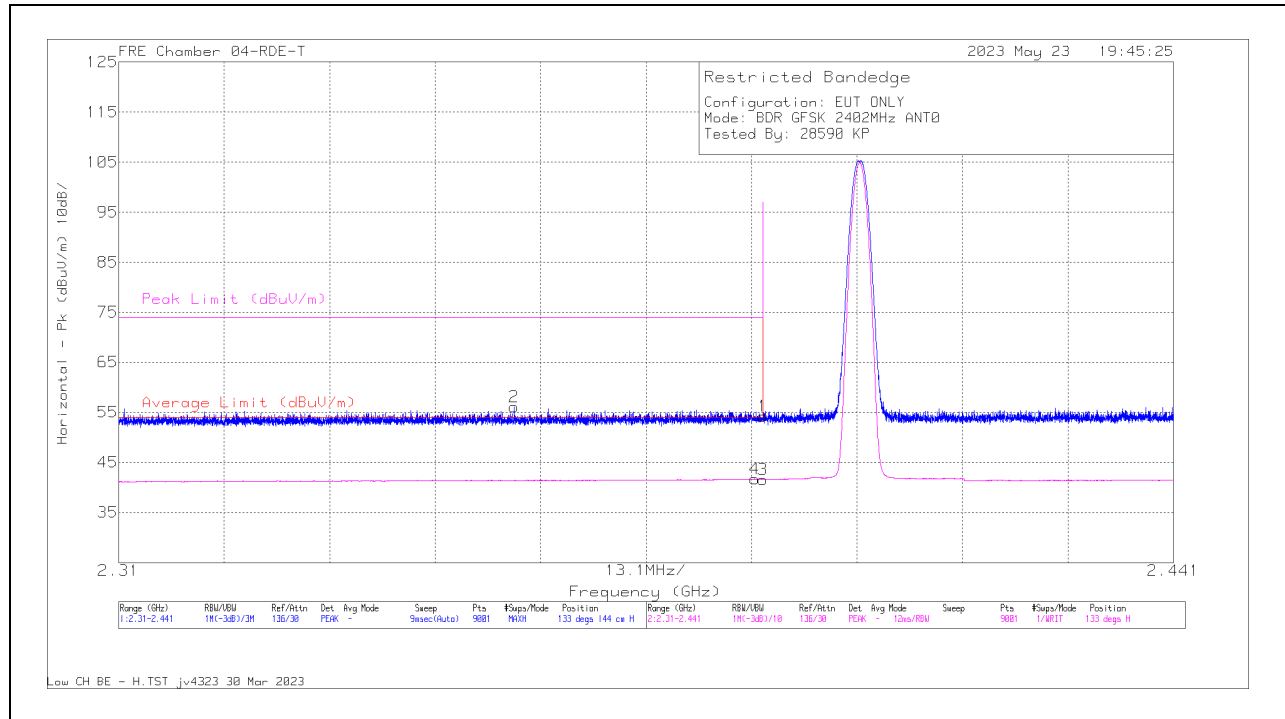
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.5. LOW POWER BASIC DATA RATE GFSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

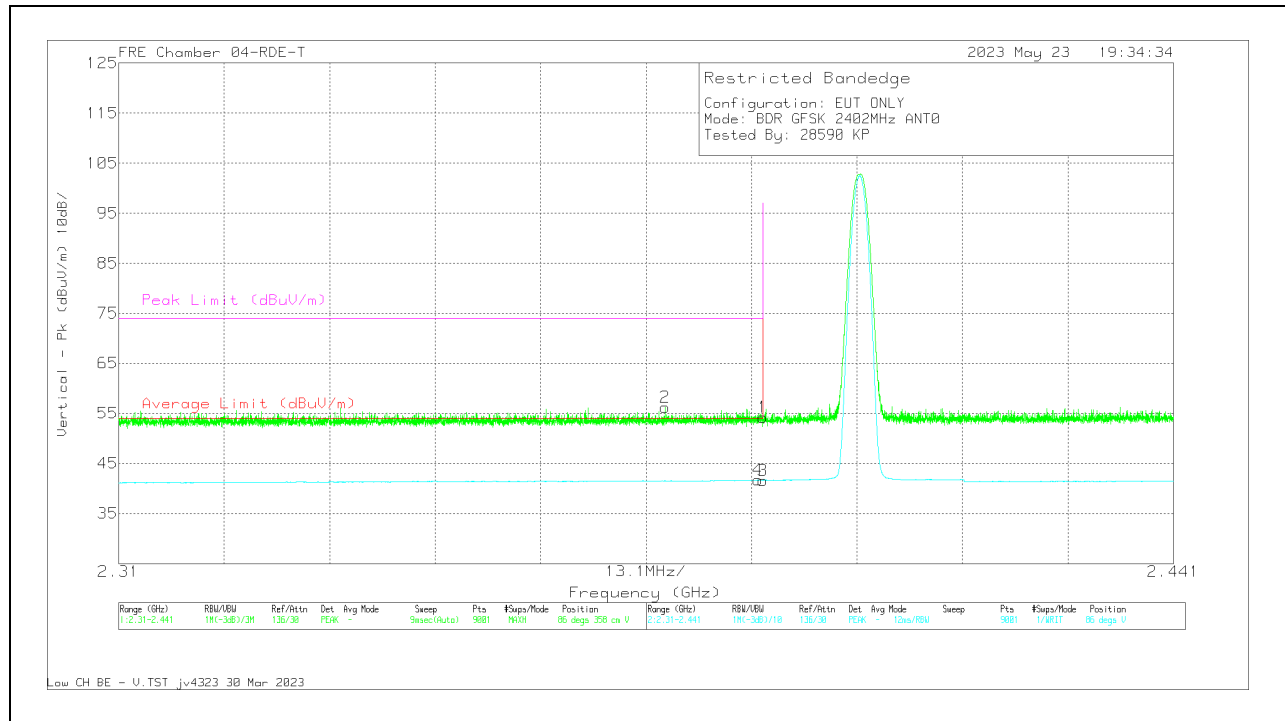
HORIZONTAL RESULT



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	59.99	PK	32.1	-37.89	54.2	-	-	74	-19.8	133	144	H
2	* 2.359112	62.06	PK	32	-37.92	56.14	-	-	74	-17.86	133	144	H
3	* 2.39	47.42	VA1T	32.1	-37.89	41.63	54	-12.37	-	-	133	144	H
4	* 2.388995	47.45	VA1T	32.1	-37.88	41.67	54	-12.33	-	-	133	144	H

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

VERTICAL RESULT

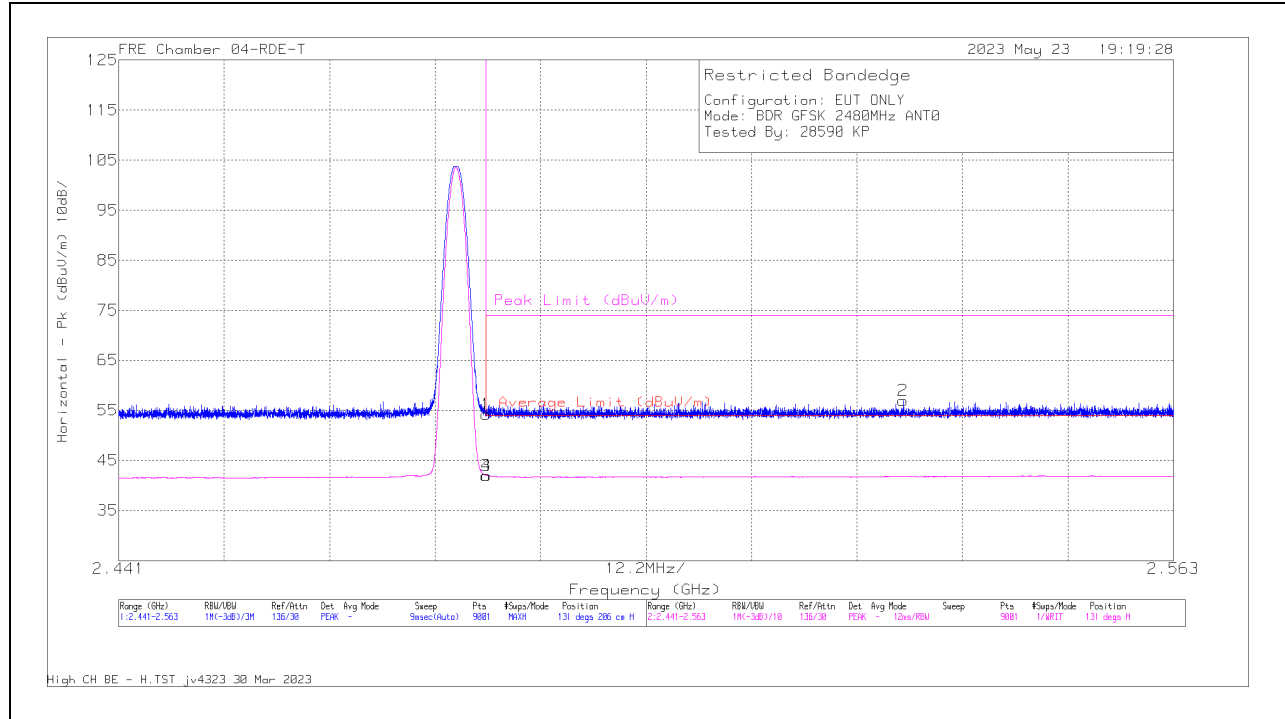


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.98	Pk	32.1	-37.89	54.19	-	-	74	-19.81	86	358	V
2	* 2.37786	62.01	Pk	32.1	-37.87	56.24	-	-	74	-17.76	86	358	V
3	* 2.39	47.43	VA1T	32.1	-37.89	41.64	54	-12.36	-	-	86	358	V
4	* 2.389359	47.44	VA1T	32.1	-37.88	41.66	54	-12.34	-	-	86	358	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)

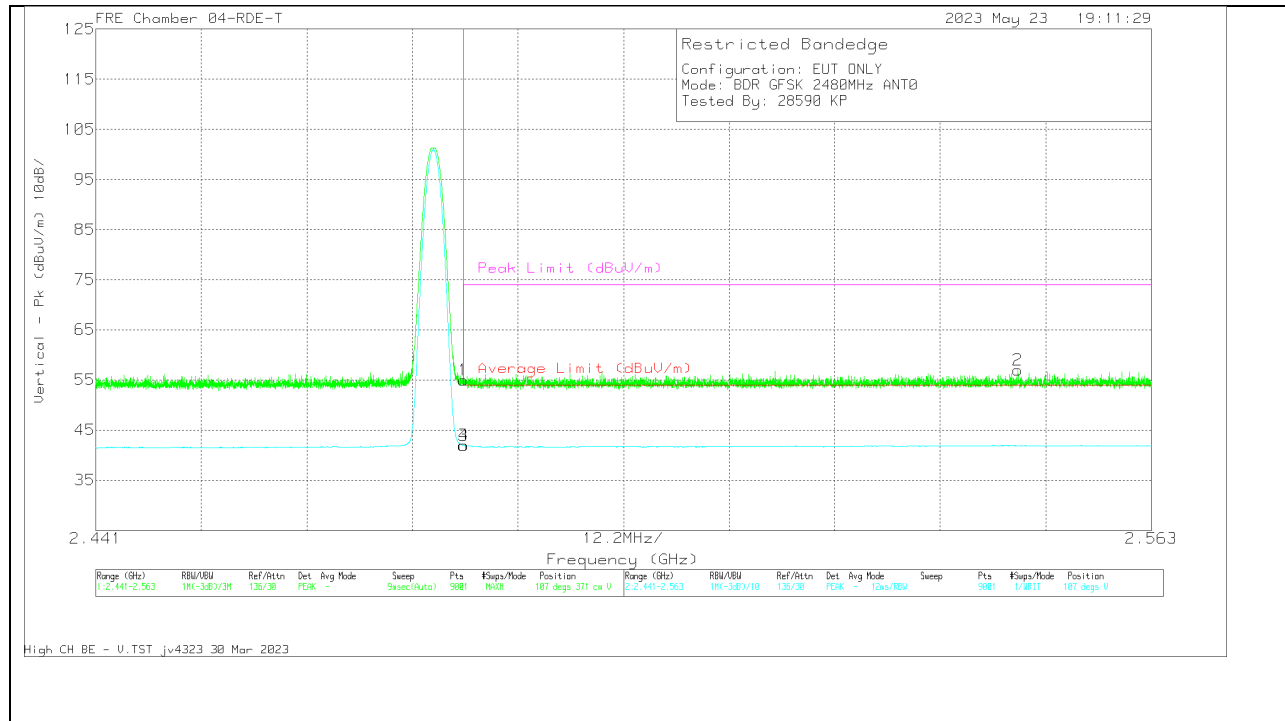
HORIZONTAL RESULT



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	59.82	Pk	32.2	-37.81	54.21	-	-	74	-19.79	131	206	H
3	* 2.4835	47.62	VA1T	32.2	-37.81	42.01	54	-11.99	-	-	131	206	H
4	* 2.483512	47.61	VA1T	32.2	-37.81	42	54	-12	-	-	131	206	H
2	2.531717	62.36	Pk	32.3	-37.7	56.96	-	-	74	-17.04	131	206	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



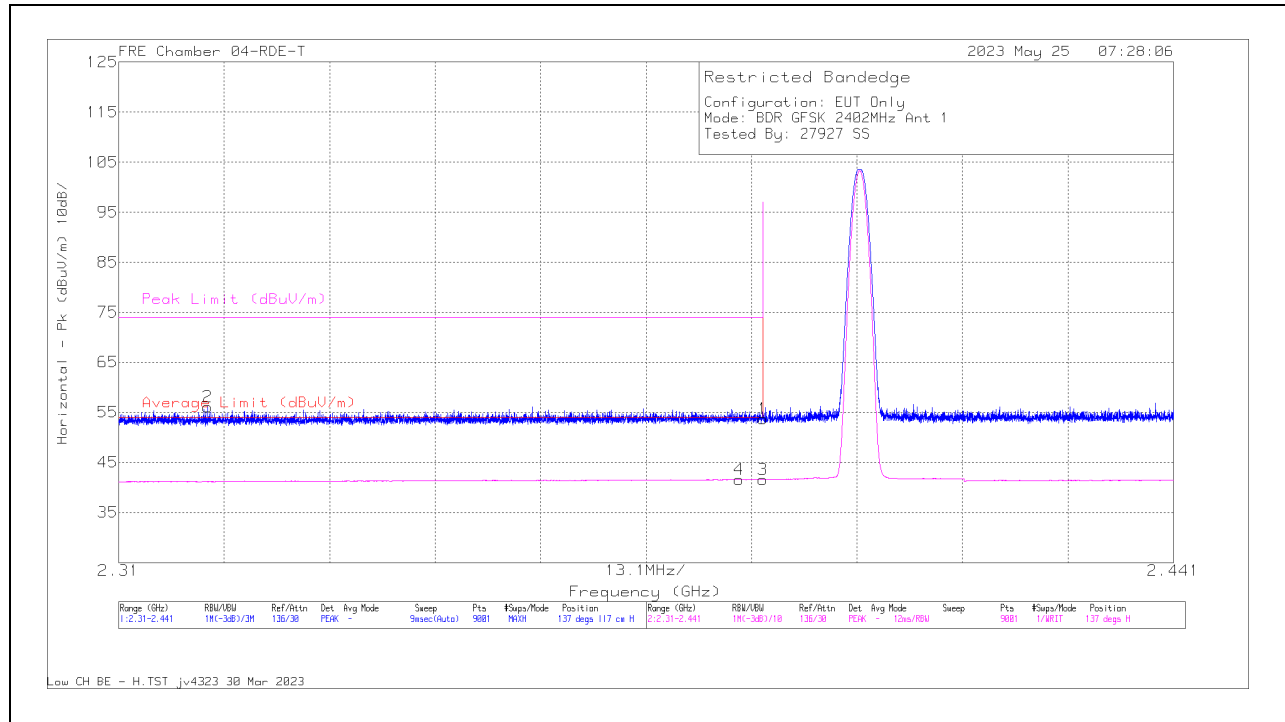
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.56	Pk	32.2	-37.81	54.95	-	-	74	-19.05	107	371	V
3	* 2.4835	47.56	VA1T	32.2	-37.81	41.95	54	-12.05	-	-	107	371	V
4	* 2.483512	47.55	VA1T	32.2	-37.81	41.94	54	-12.06	-	-	107	371	V
2	2.547537	62.4	Pk	32.3	-37.74	56.96	-	-	74	-17.04	107	371	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

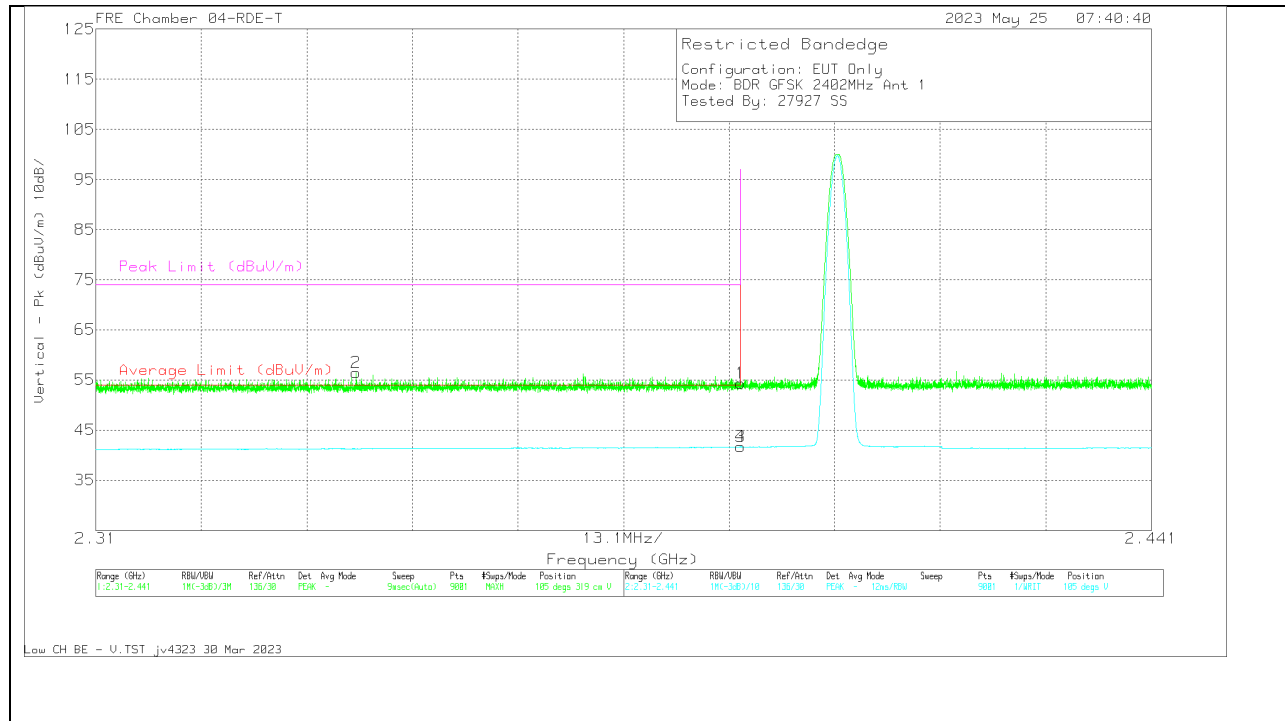
HORIZONTAL RESULT



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	59.52	Pk	32.1	-37.89	53.73	-	-	74	-20.27	137	117	H
2	* 2.321048	62.23	Pk	31.8	-37.9	56.13	-	-	74	-17.87	137	117	H
3	* 2.39	47.38	VA1T	32.1	-37.89	41.59	54	-12.41	-	-	137	117	H
4	* 2.387059	47.4	VA1T	32.1	-37.86	41.64	54	-12.36	-	-	137	117	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

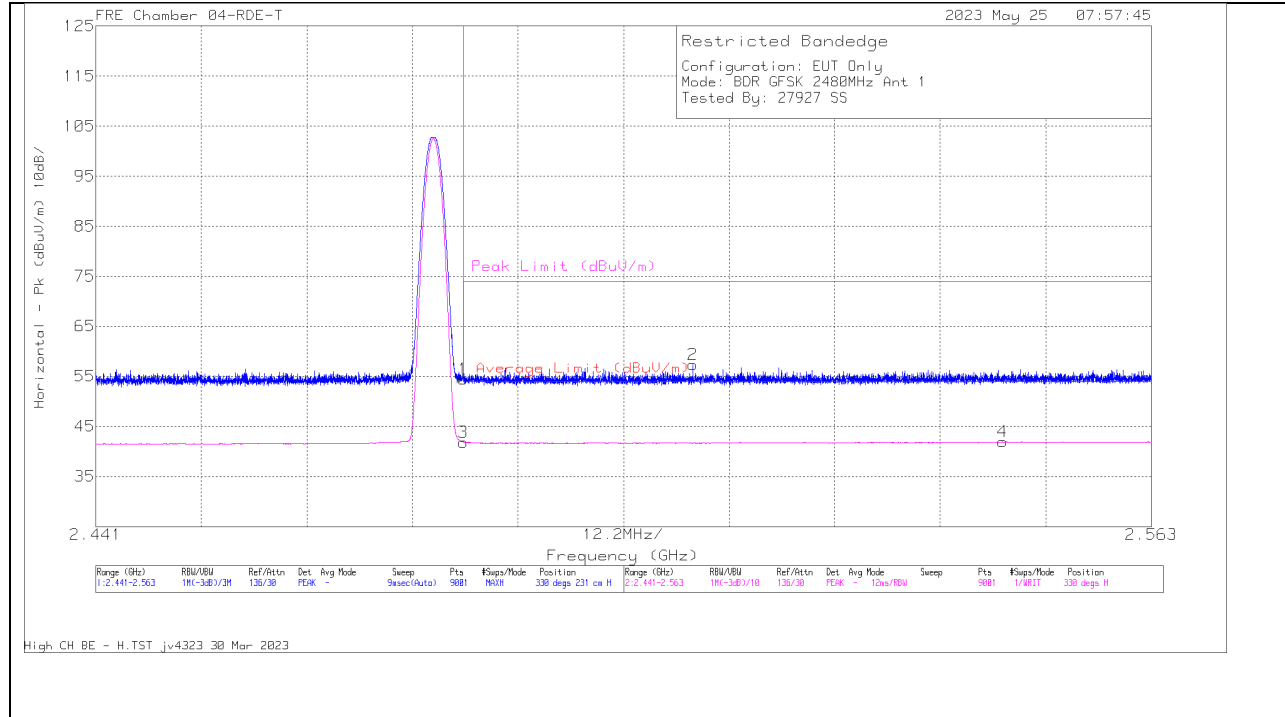


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.09	Pk	32.1	-37.89	54.3	-	-	74	-19.7	105	319	V
2	* 2.342329	62.45	Pk	31.9	-37.9	56.45	-	-	74	-17.55	105	319	V
3	* 2.39	47.45	VA1T	32.1	-37.89	41.66	54	-12.34	-	-	105	319	V
4	* 2.39	47.45	VA1T	32.1	-37.89	41.66	54	-12.34	-	-	105	319	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)

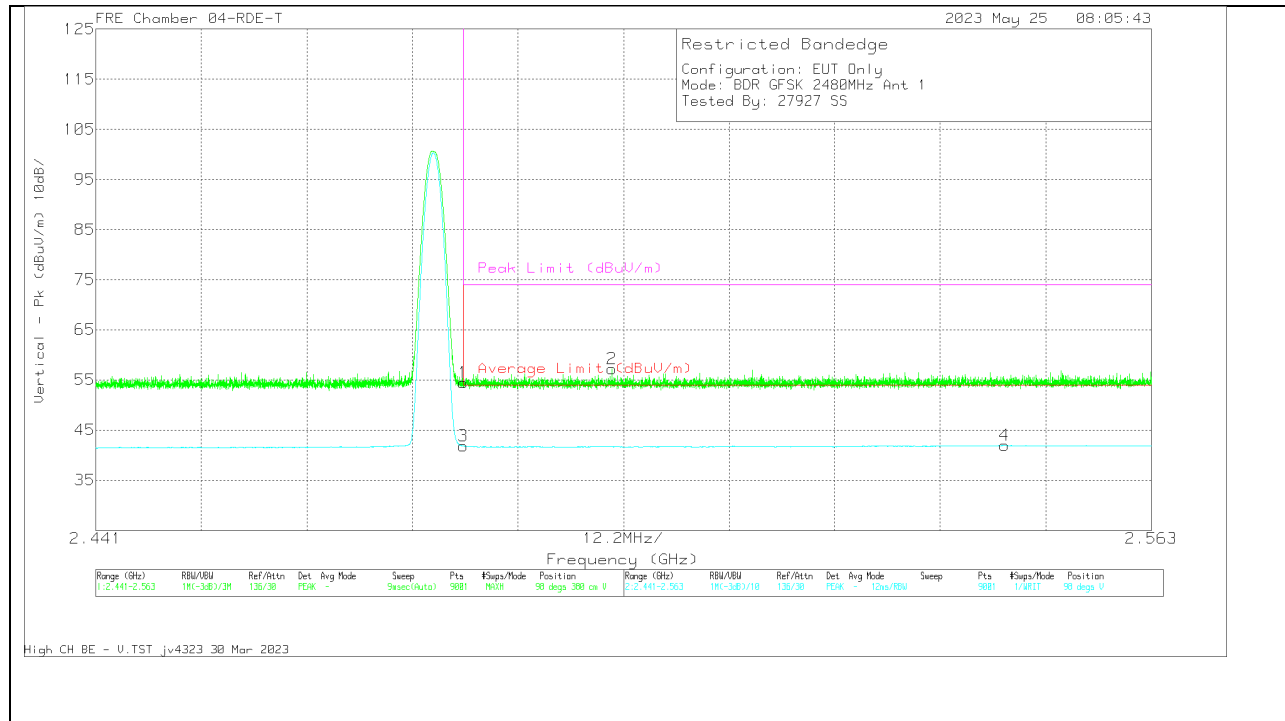
HORIZONTAL RESULT



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	60.1	Pk	32.2	-37.81	54.49	-	-	74	-19.51	330	231	H
3	* 2.4835	47.5	VA1T	32.2	-37.81	41.89	54	-12.11	-	-	330	231	H
2	2.510027	62.92	Pk	32.3	-37.84	57.38	-	-	74	-16.62	330	231	H
4	2.545788	47.35	VA1T	32.3	-37.73	41.92	54	-12.08	-	-	330	231	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



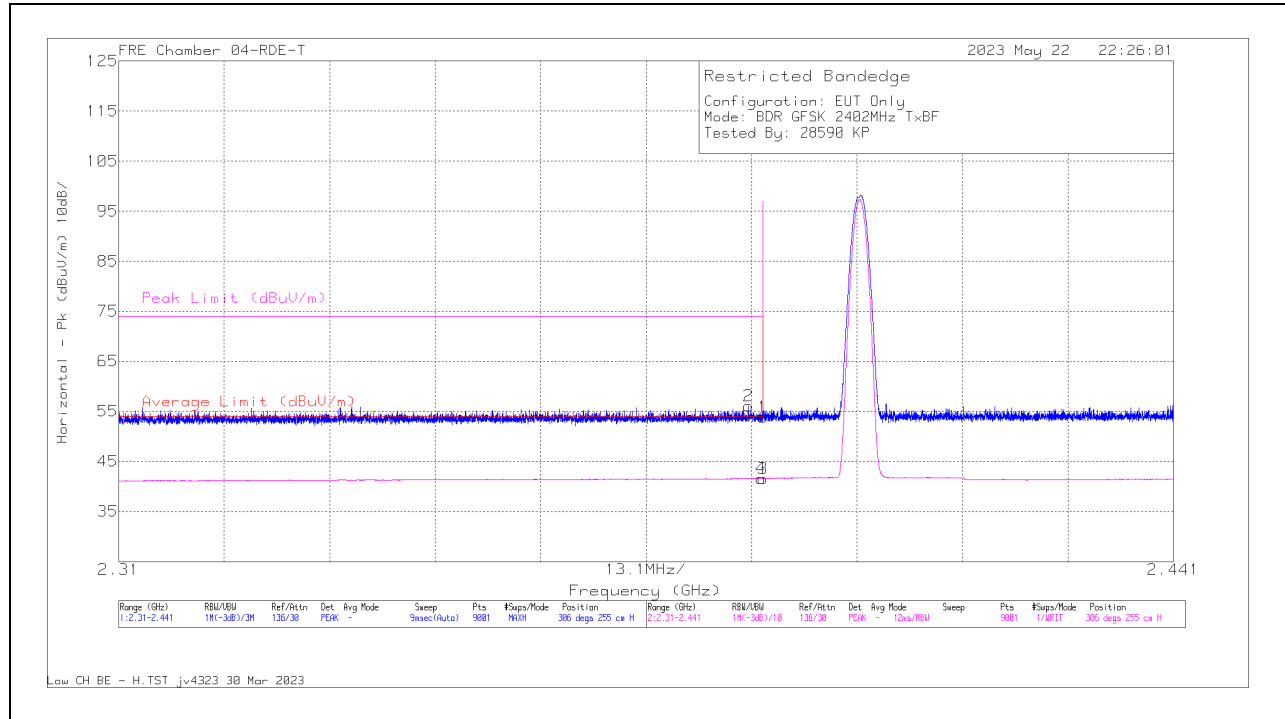
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.09	Pk	32.2	-37.81	54.48	-	-	74	-19.52	98	380	V
3	* 2.4835	47.43	VA1T	32.2	-37.81	41.82	54	-12.18	-	-	98	380	V
2	2.50066	62.67	Pk	32.3	-37.79	57.18	-	-	74	-16.82	98	380	V
4	2.546018	47.37	VA1T	32.3	-37.73	41.94	54	-12.06	-	-	98	380	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

10.1.6. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

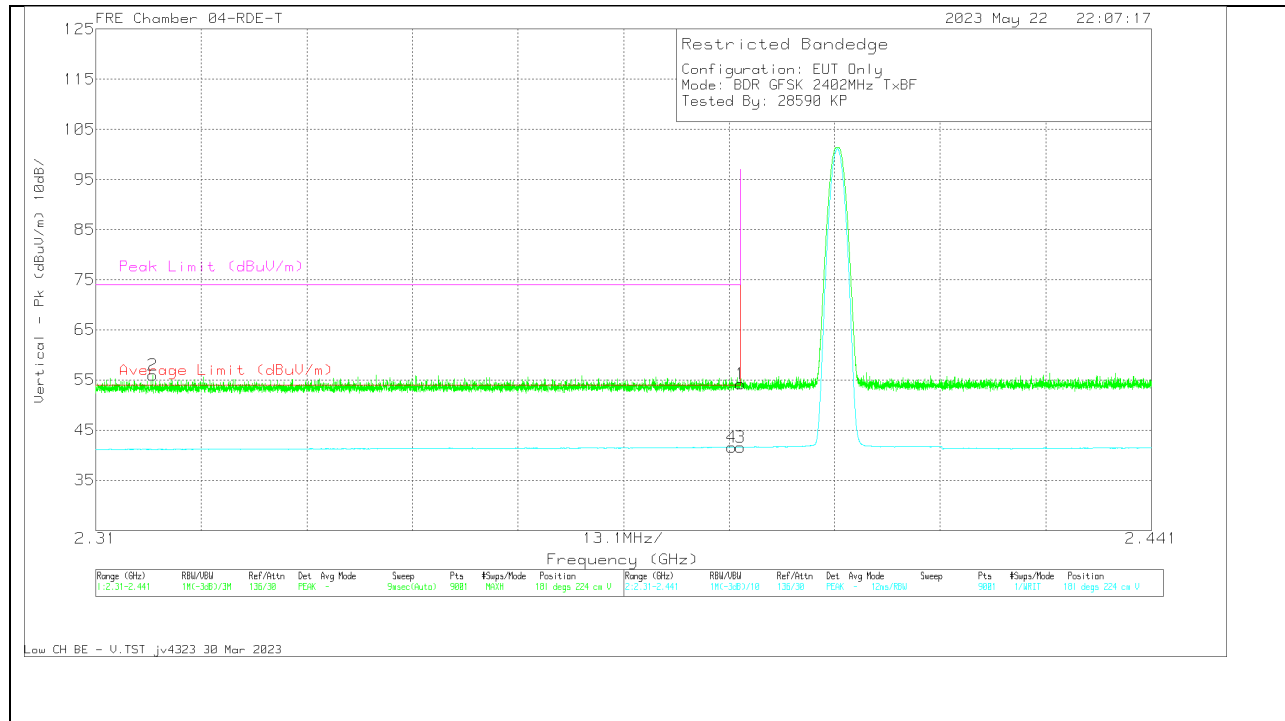
HORIZONTAL RESULT



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	59.64	Pk	32.1	-37.89	53.85	-	-	74	-20.15	306	255	H
2	* 2.388209	61.92	Pk	32.1	-37.87	56.15	-	-	74	-17.85	306	255	H
3	* 2.39	47.37	VA1T	32.1	-37.89	41.58	54	-12.42	-	-	306	255	H
4	* 2.389767	47.41	VA1T	32.1	-37.89	41.62	54	-12.38	-	-	306	255	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

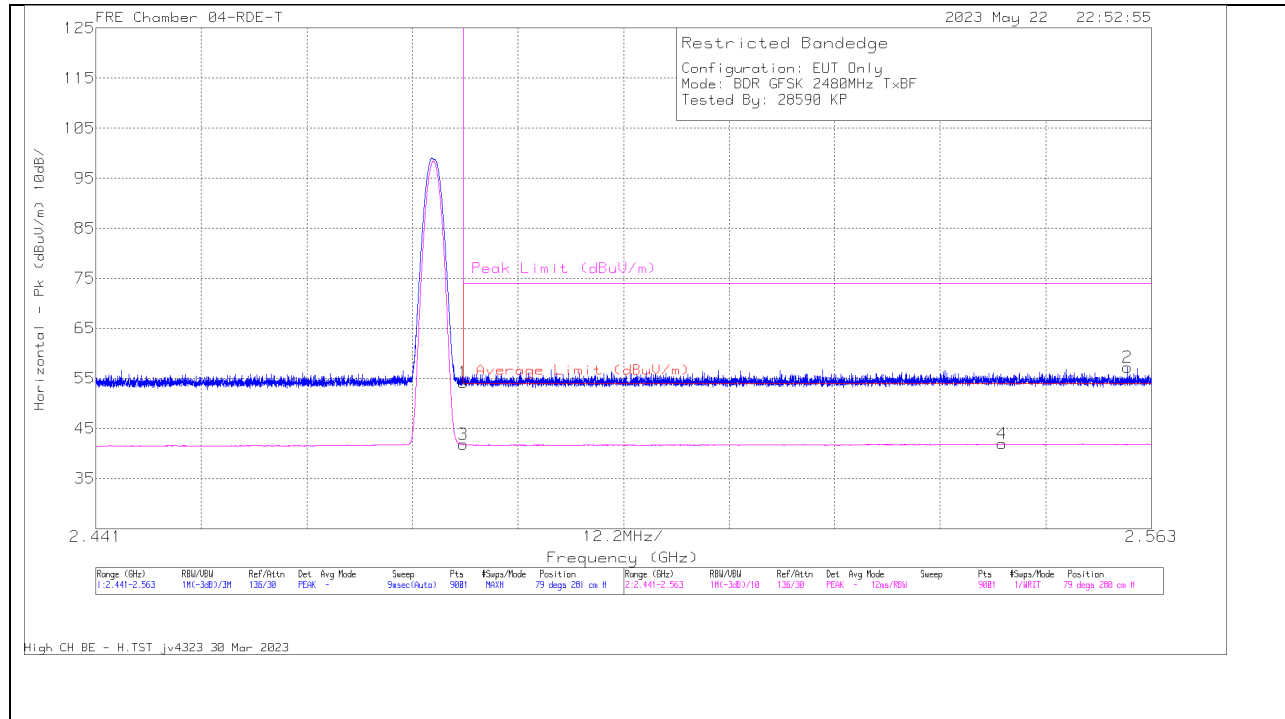


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.99	Pk	32.1	-37.89	54.2	-	-	74	-19.8	181	224	V
2	* 2.317089	62.1	Pk	31.8	-37.9	56	-	-	74	-18	181	224	V
3	* 2.39	47.36	VA1T	32.1	-37.89	41.57	54	-12.43	-	-	181	224	V
4	* 2.388937	47.42	VA1T	32.1	-37.88	41.64	54	-12.36	-	-	181	224	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)

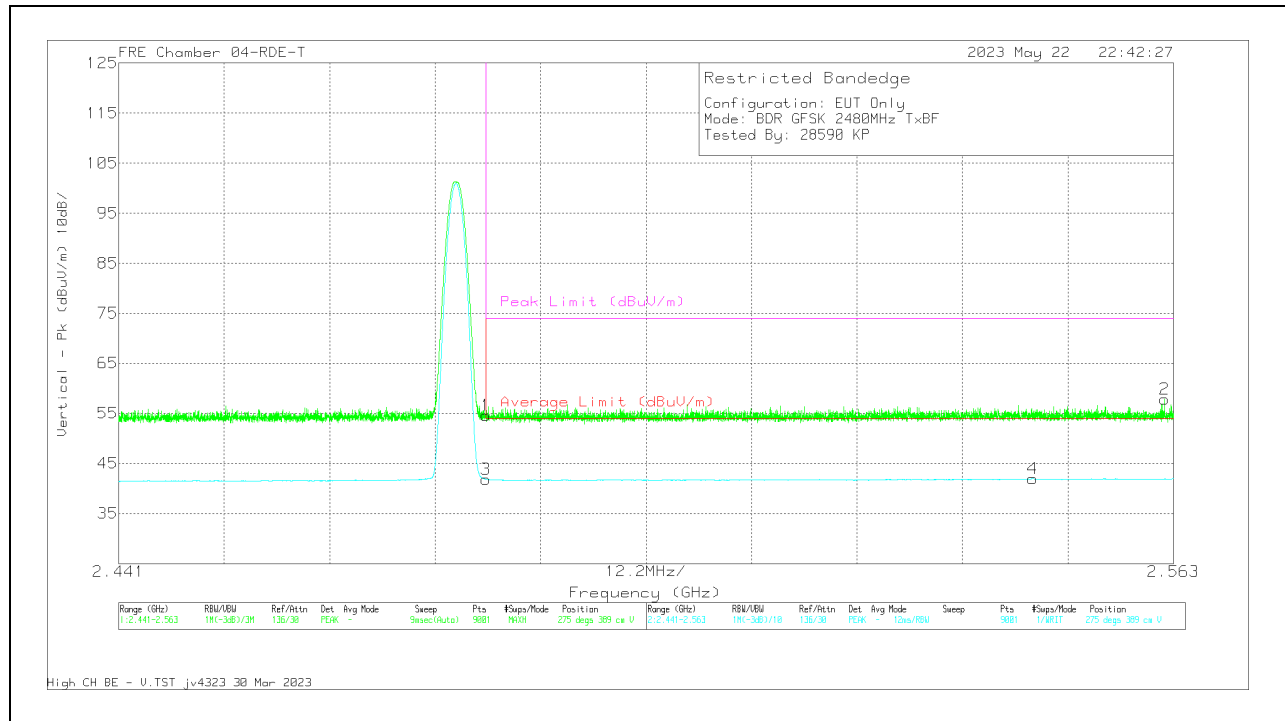
HORIZONTAL RESULT



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	59.86	Pk	32.2	-37.81	54.25	-	-	74	-19.75	79	281	H
3	* 2.4835	47.39	VA1T	32.2	-37.81	41.78	54	-12.22	-	-	79	280	H
4	2.545747	47.35	VA1T	32.3	-37.74	41.91	54	-12.09	-	-	79	280	H
2	2.560225	62.8	Pk	32.2	-37.8	57.2	-	-	74	-16.8	79	281	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	60.16	Pk	32.2	-37.81	54.55	-	-	74	-19.45	275	389	V
3	* 2.4835	47.45	VA1T	32.2	-37.81	41.84	54	-12.16	-	-	275	389	V
4	2.546723	47.36	VA1T	32.3	-37.73	41.93	54	-12.07	-	-	275	389	V
2	2.561974	63.37	Pk	32.2	-37.76	57.81	-	-	74	-16.19	275	389	V

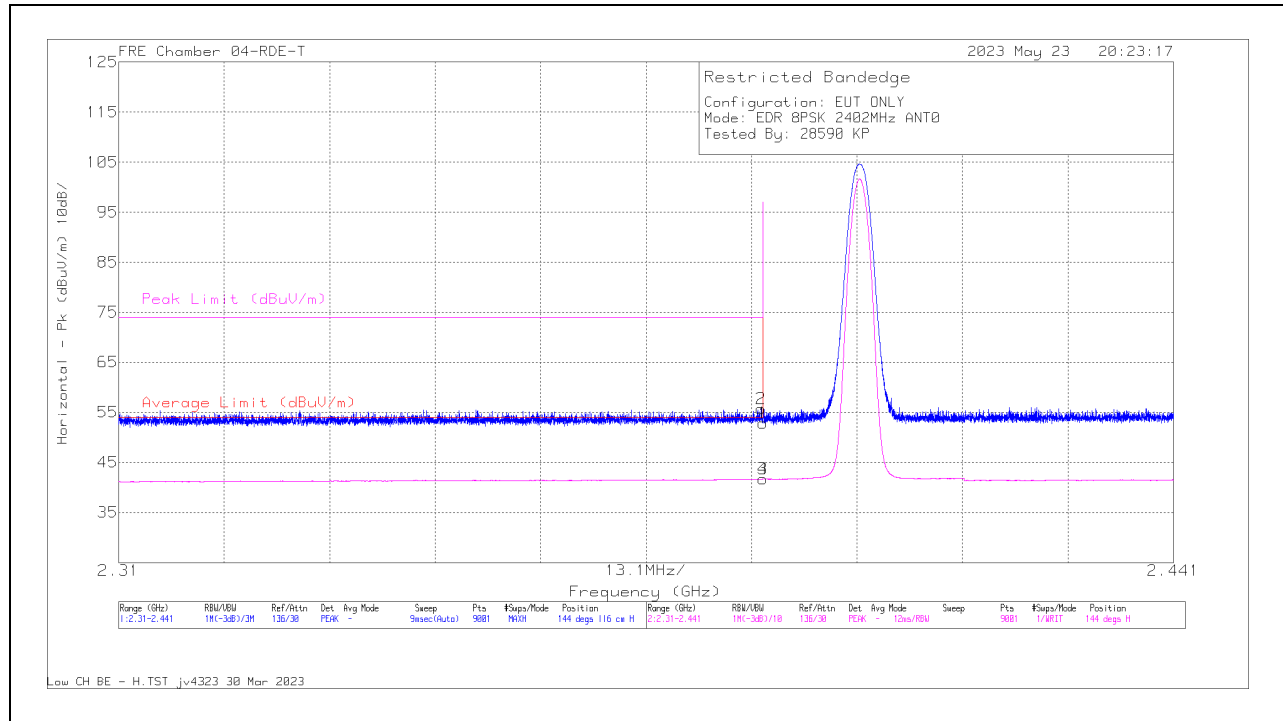
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



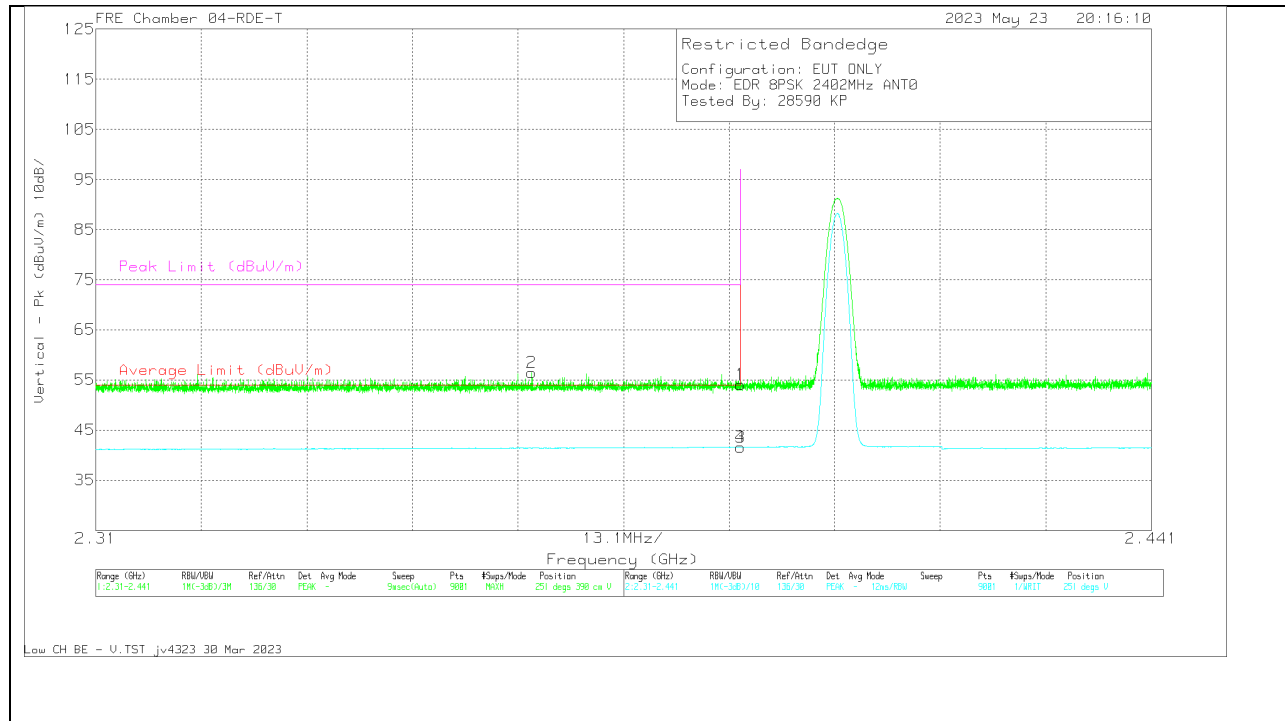
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.69	Pk	32.1	-37.89	52.9	-	-	74	-21.1	144	116	H
2	* 2.389796	61.47	Pk	32.1	-37.89	55.68	-	-	74	-18.32	144	116	H
3	* 2.39	47.46	VA1T	32.1	-37.89	41.67	54	-12.33	-	-	144	116	H
4	* 2.39	47.46	VA1T	32.1	-37.89	41.67	54	-12.33	-	-	144	116	H

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

PK - Peak detector

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

VERTICAL RESULT

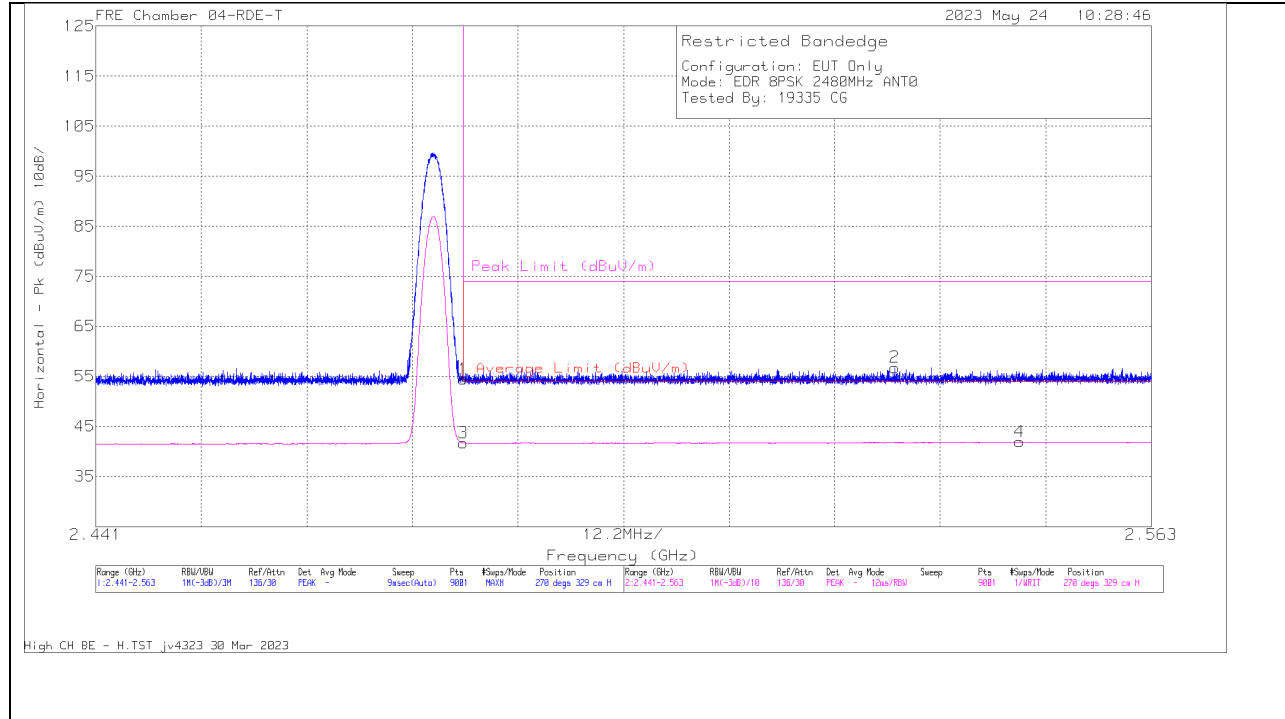


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.86	Pk	32.1	-37.89	54.07	-	-	74	-19.93	251	390	V
2	* 2.364119	62.35	Pk	32	-37.88	56.47	-	-	74	-17.53	251	390	V
3	* 2.39	47.42	VA1T	32.1	-37.89	41.63	54	-12.37	-	-	251	390	V
4	* 2.39	47.42	VA1T	32.1	-37.89	41.63	54	-12.37	-	-	251	390	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)

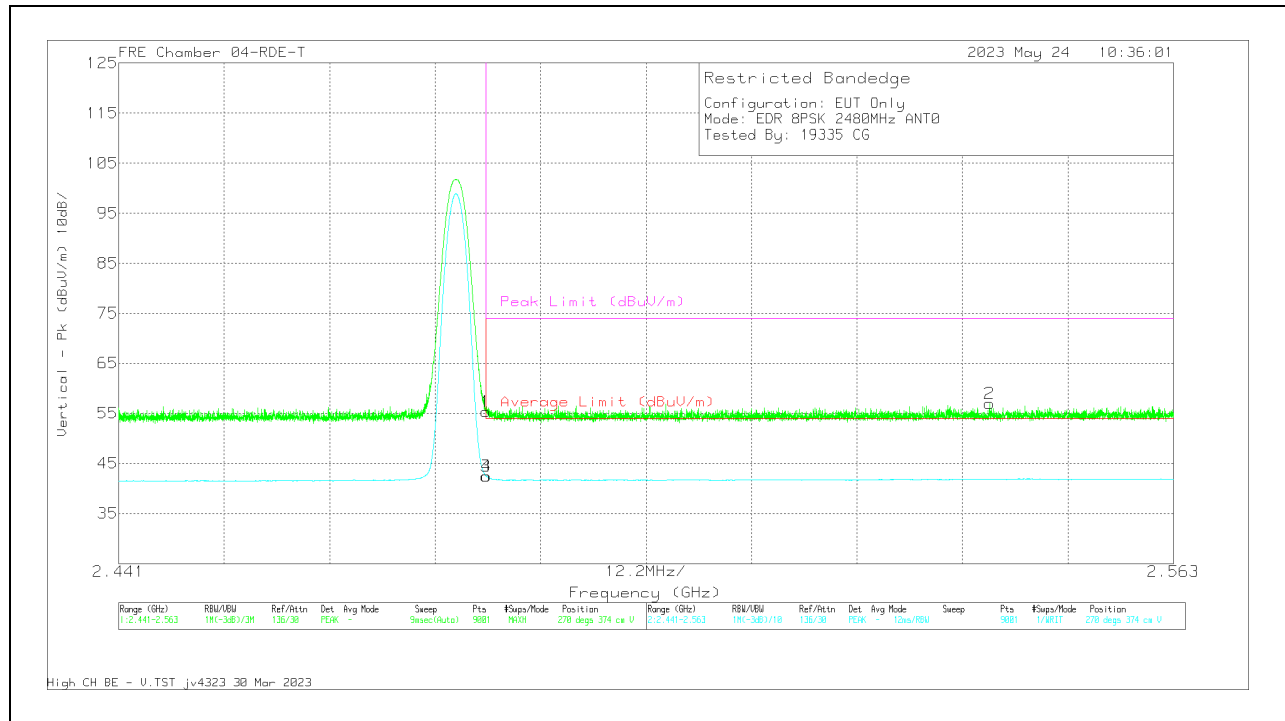
HORIZONTAL RESULT



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	60.12	Pk	32.2	-37.81	54.51	-	-	74	-19.49	270	329	H
3	* 2.4835	47.31	VA1T	32.2	-37.81	41.7	54	-12.3	-	-	270	329	H
2	2.533343	62.23	Pk	32.3	-37.74	56.79	-	-	74	-17.21	270	329	H
4	2.547794	47.35	VA1T	32.3	-37.74	41.91	54	-12.09	-	-	270	329	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



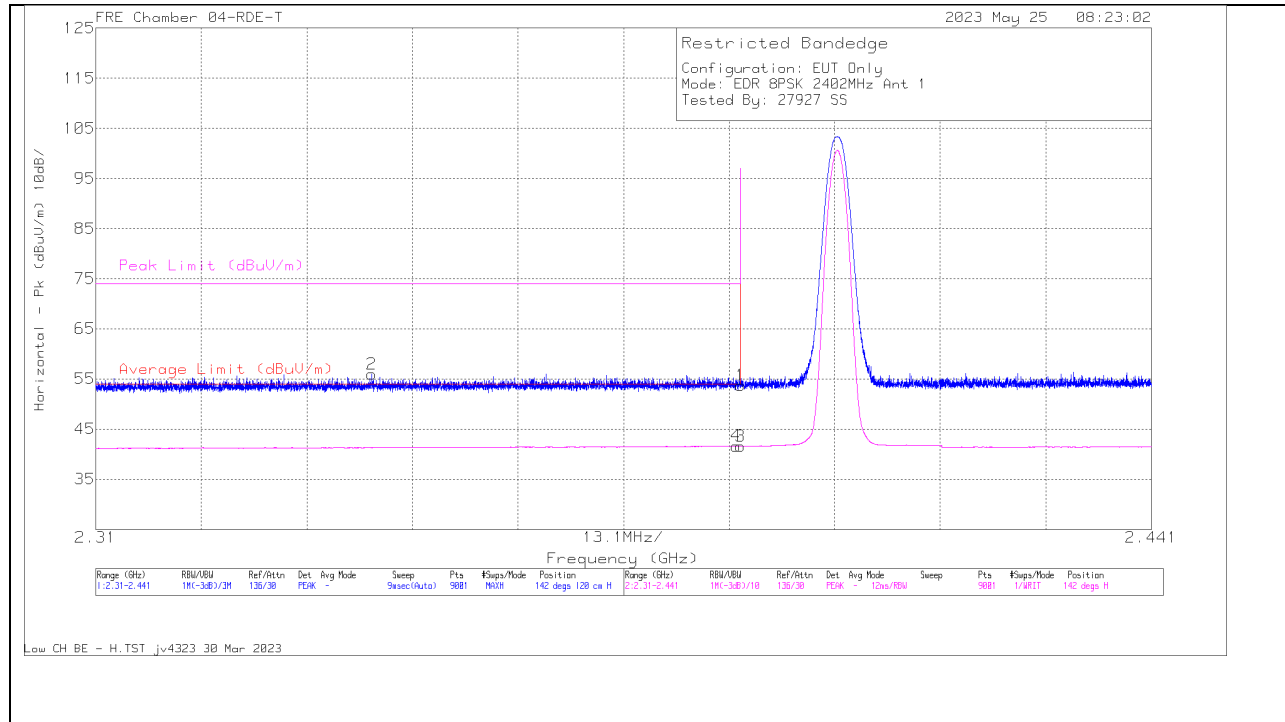
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.97	Pk	32.2	-37.81	55.36	-	-	74	-18.64	270	374	V
3	* 2.4835	48.13	VA1T	32.2	-37.81	42.52	54	-11.48	-	-	270	374	V
4	* 2.483512	48.11	VA1T	32.2	-37.81	42.5	54	-11.5	-	-	270	374	V
2	2.541721	62.44	Pk	32.3	-37.77	56.97	-	-	74	-17.03	270	374	V

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

ANT 3

BANDEDGE (LOW CHANNEL)

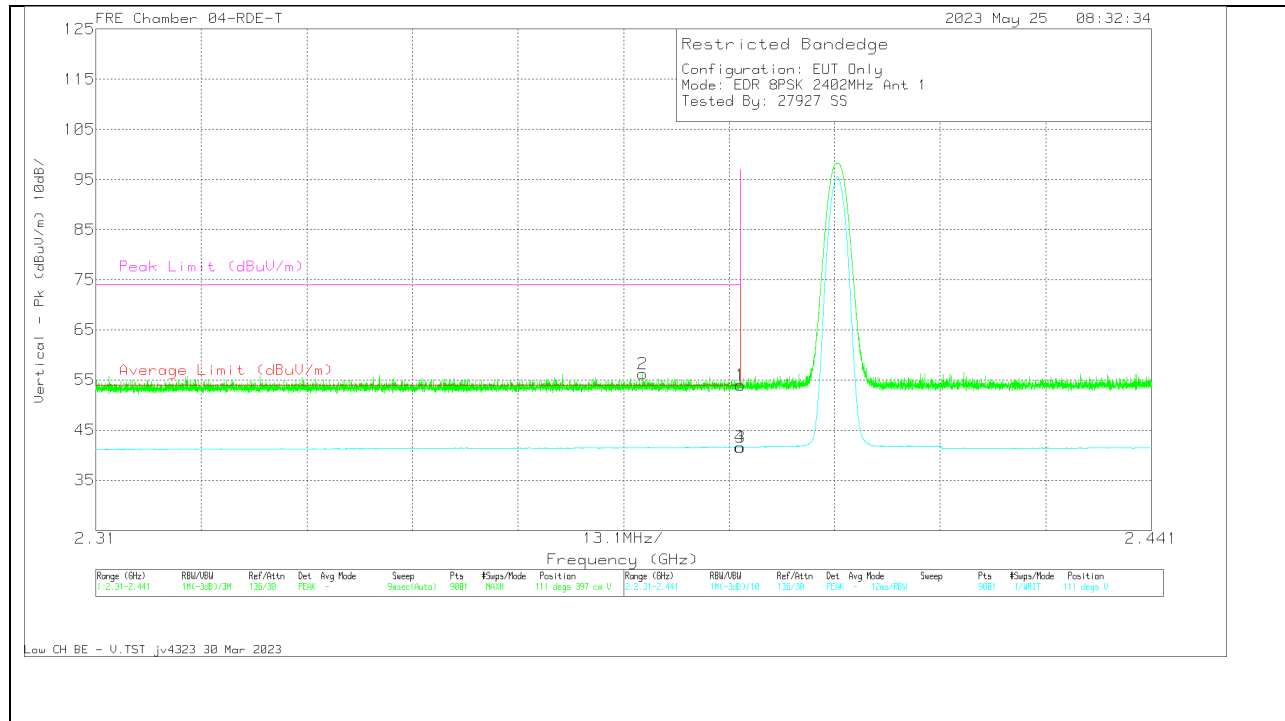
HORIZONTAL RESULT



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	59.46	Pk	32.1	-37.89	53.67	-	-	74	-20.33	142	120	H
2	* 2.34425	62.03	Pk	31.9	-37.9	56.03	-	-	74	-17.97	142	120	H
3	* 2.39	47.41	VA1T	32.1	-37.89	41.62	54	-12.38	-	-	142	120	H
4	* 2.389432	47.43	VA1T	32.1	-37.88	41.65	54	-12.35	-	-	142	120	H

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

VERTICAL RESULT

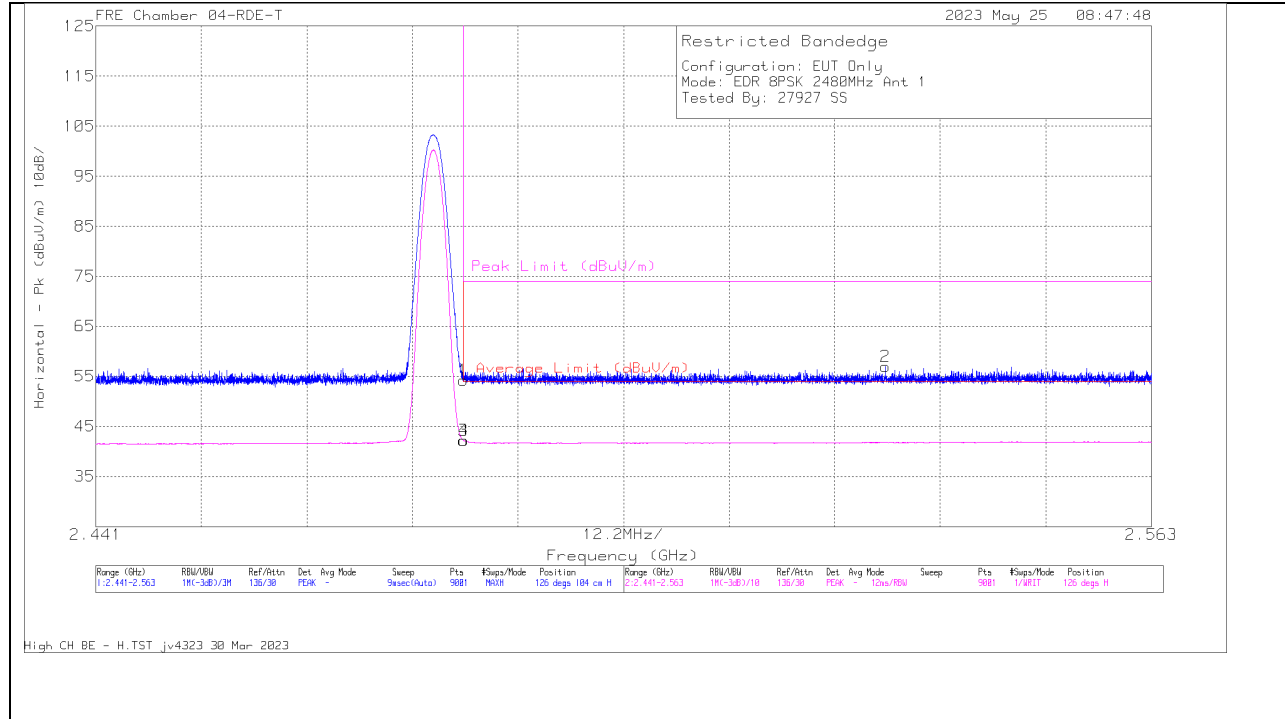


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.79	Pk	32.1	-37.89	54	-	-	74	-20	111	397	V
2	* 2.377875	62.03	Pk	32.1	-37.87	56.26	-	-	74	-17.74	111	397	V
3	* 2.39	47.42	VA1T	32.1	-37.89	41.63	54	-12.37	-	-	111	397	V
4	* 2.389971	47.43	VA1T	32.1	-37.89	41.64	54	-12.36	-	-	111	397	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

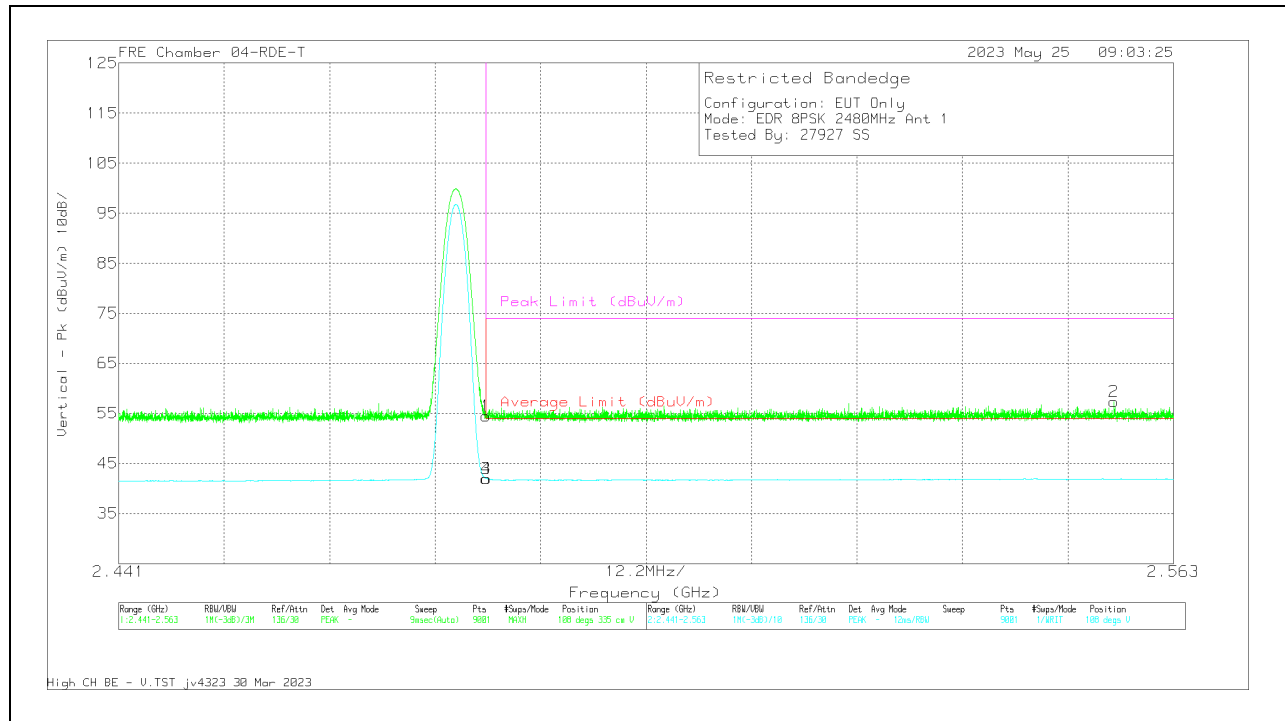


High CH BE - H.TST_jv4323_30 Mar 2023

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	59.87	Pk	32.2	-37.81	54.26	-	-	74	-19.74	126	104	H
3	* 2.4835	47.85	VA1T	32.2	-37.81	42.24	54	-11.76	-	-	126	104	H
4	* 2.483512	47.83	VA1T	32.2	-37.81	42.22	54	-11.78	-	-	126	104	H
2	2.532245	62.36	Pk	32.3	-37.71	56.95	-	-	74	-17.05	126	104	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



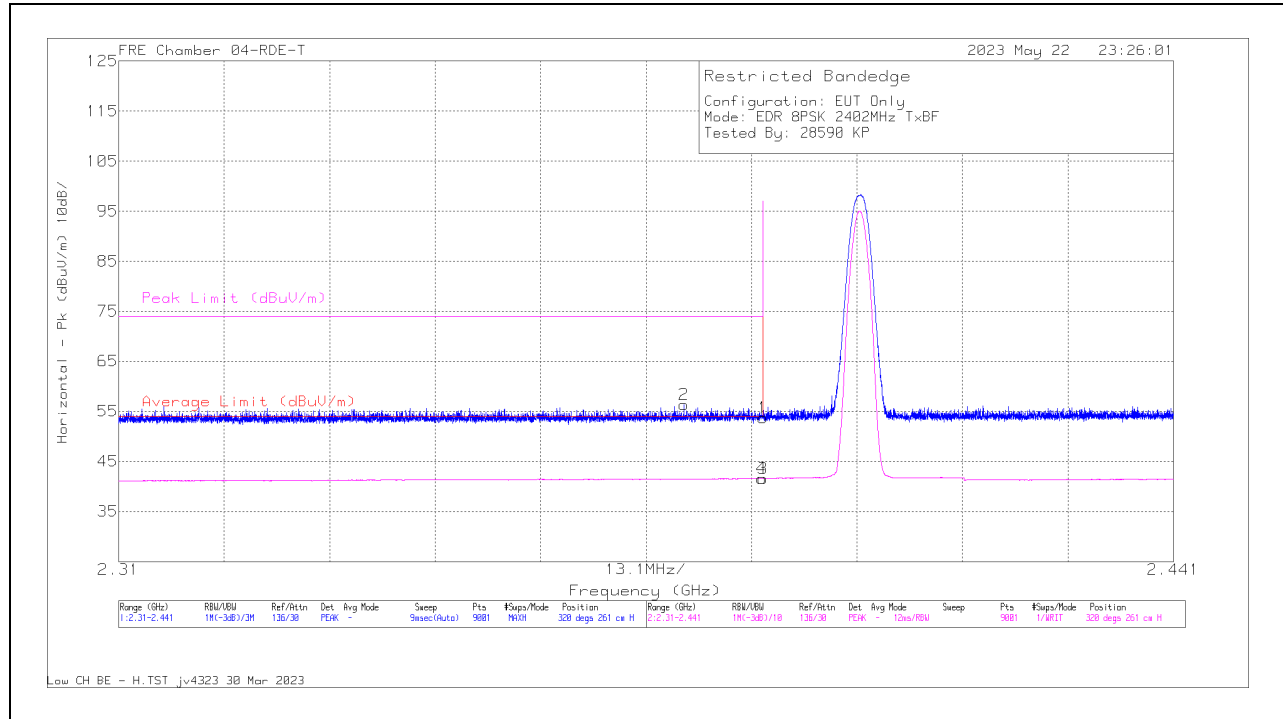
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.13	Pk	32.2	-37.81	54.52	-	-	74	-19.48	108	335	V
3	* 2.4835	47.62	VA1T	32.2	-37.81	42.01	54	-11.99	-	-	108	335	V
4	* 2.483512	47.61	VA1T	32.2	-37.81	42	54	-12	-	-	108	335	V
2	2.566104	62.82	Pk	32.3	-37.76	57.36	-	-	74	-16.64	108	335	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)

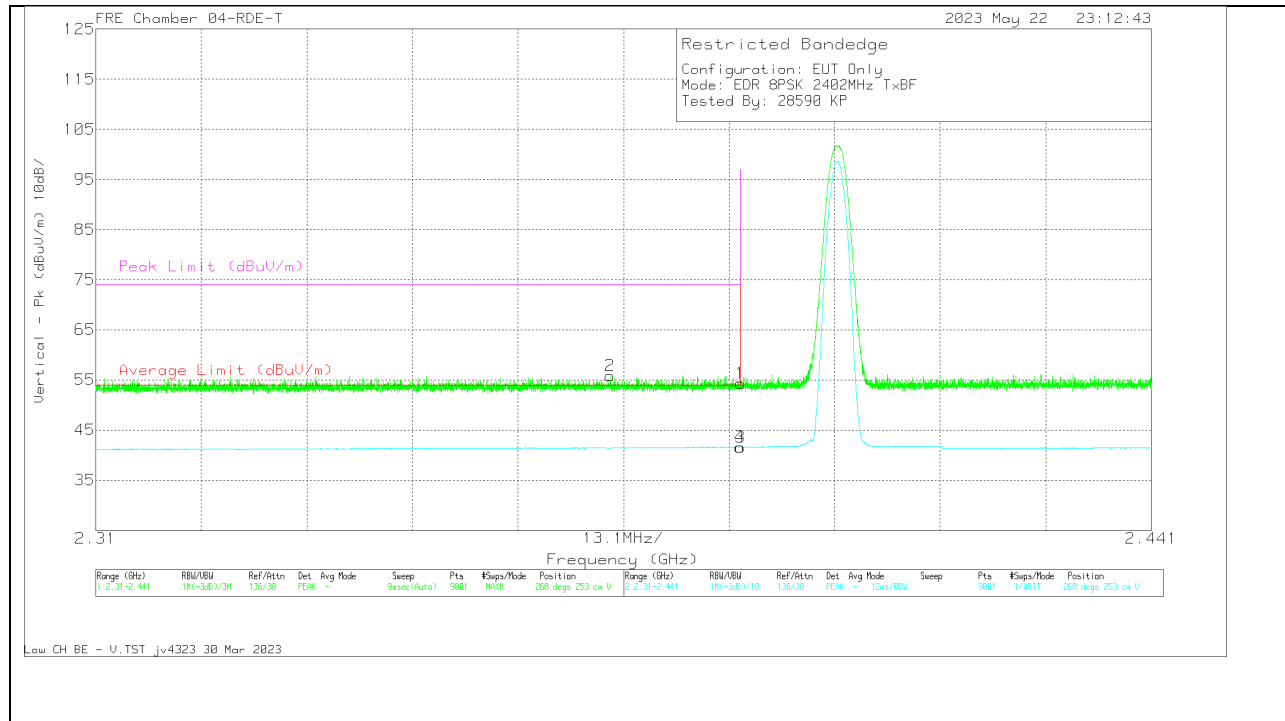
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	59.5	Pk	32.1	-37.89	53.71	-	-	74	-20.29	320	261	H
2	* 2.380204	62.1	Pk	32.1	-37.87	56.33	-	-	74	-17.67	320	261	H
3	* 2.39	47.37	VA1T	32.1	-37.89	41.58	54	-12.42	-	-	320	261	H
4	* 2.389869	47.41	VA1T	32.1	-37.89	41.62	54	-12.38	-	-	320	261	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

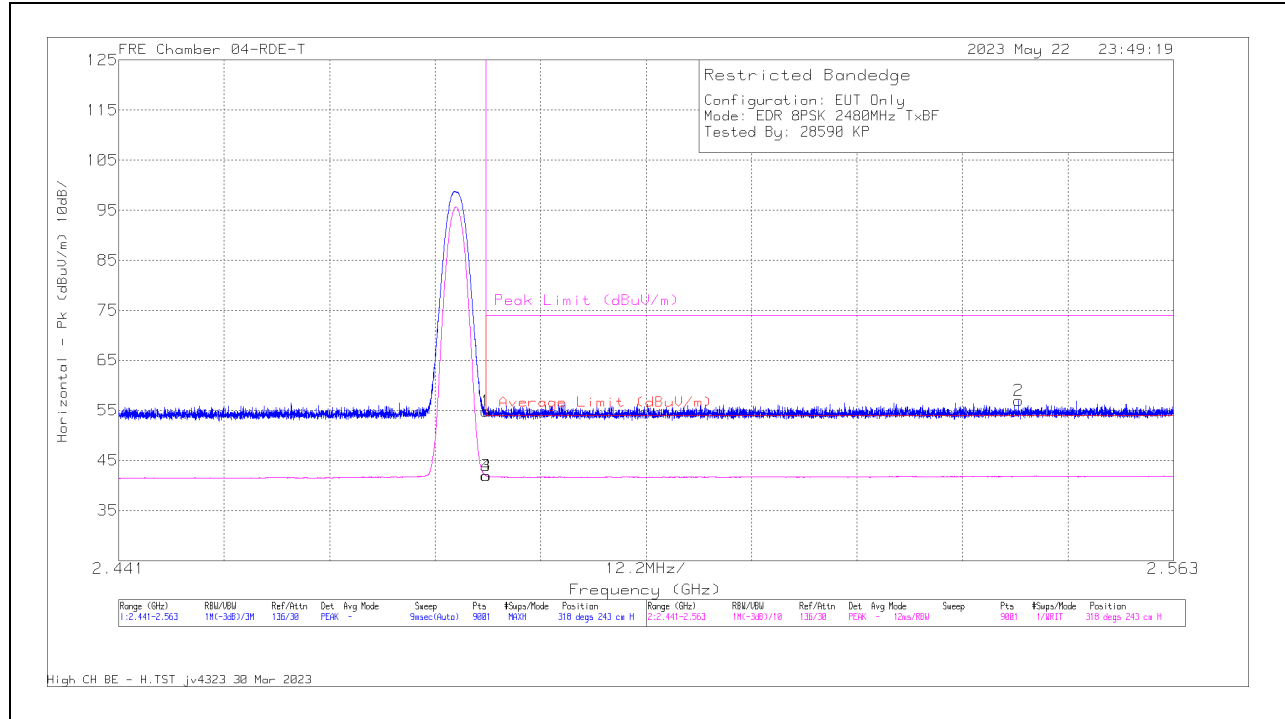


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.14	Pk	32.1	-37.89	54.35	-	-	74	-19.65	268	253	V
2	* 2.373828	61.63	Pk	32.1	-37.88	55.85	-	-	74	-18.15	268	253	V
3	* 2.39	47.39	VA1T	32.1	-37.89	41.6	54	-12.4	-	-	268	253	V
4	* 2.389971	47.4	VA1T	32.1	-37.89	41.61	54	-12.39	-	-	268	253	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)

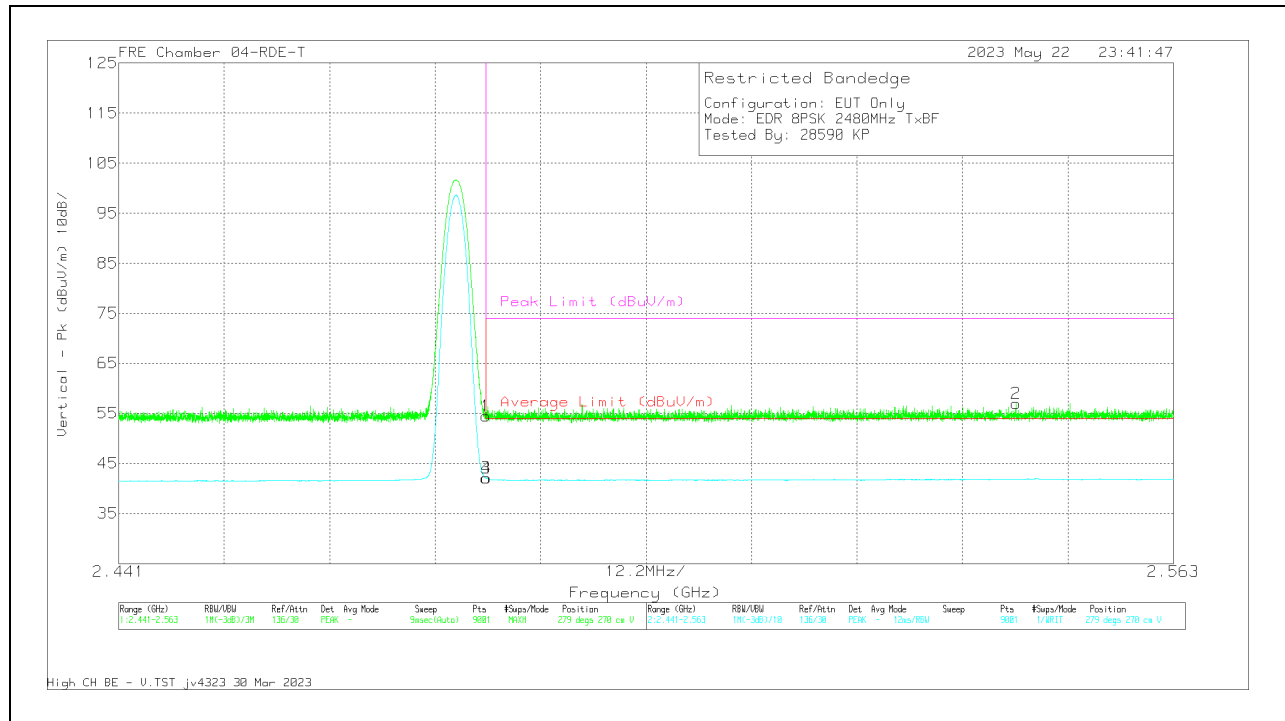
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mHz	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	60.44	Pk	32.2	-37.81	54.83	-	-	74	-19.17	318	243	H
3	* 2.4835	47.56	VA1T	32.2	-37.81	41.95	54	-12.05	-	-	318	243	H
4	* 2.483512	47.54	VA1T	32.2	-37.81	41.93	54	-12.07	-	-	318	243	H
2	2.545083	62.45	Pk	32.3	-37.75	57	-	-	74	-17	318	243	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



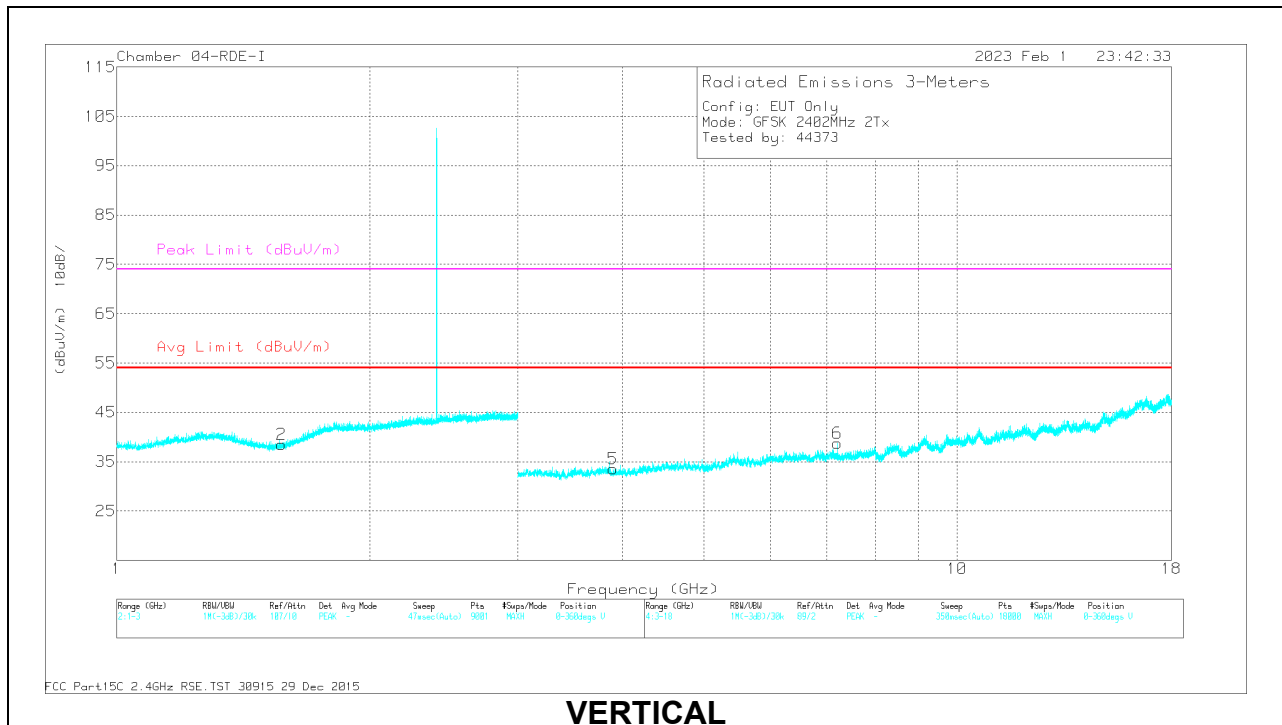
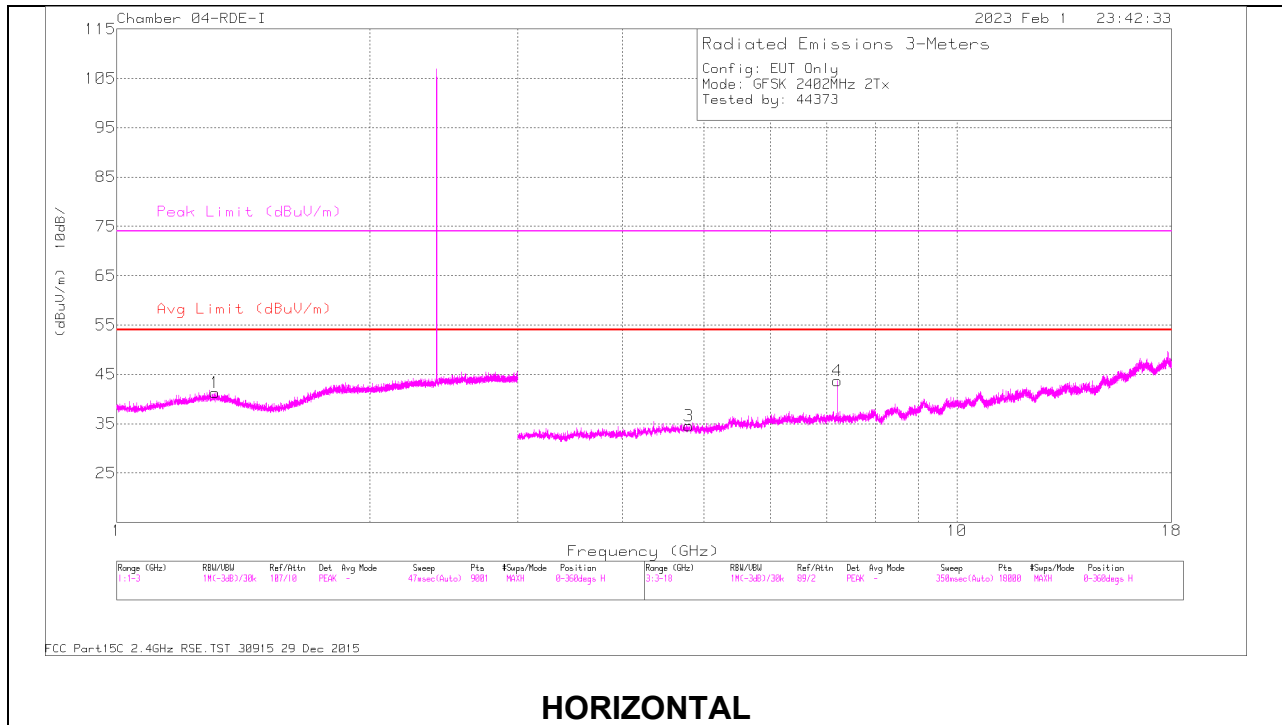
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.09	Pk	32.2	-37.81	54.48	-	-	74	-19.52	279	270	V
3	* 2.4835	47.67	VA1T	32.2	-37.81	42.06	54	-11.94	-	-	279	270	V
4	* 2.483512	47.65	VA1T	32.2	-37.81	42.04	54	-11.96	-	-	279	270	V
2	2.544785	62.38	Pk	32.3	-37.75	56.93	-	-	74	-17.07	279	270	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. HARMONICS AND SPURIOUS EMISSIONS

GFSK

LOW CHANNEL RESULTS



RADIATED EMISSIONS

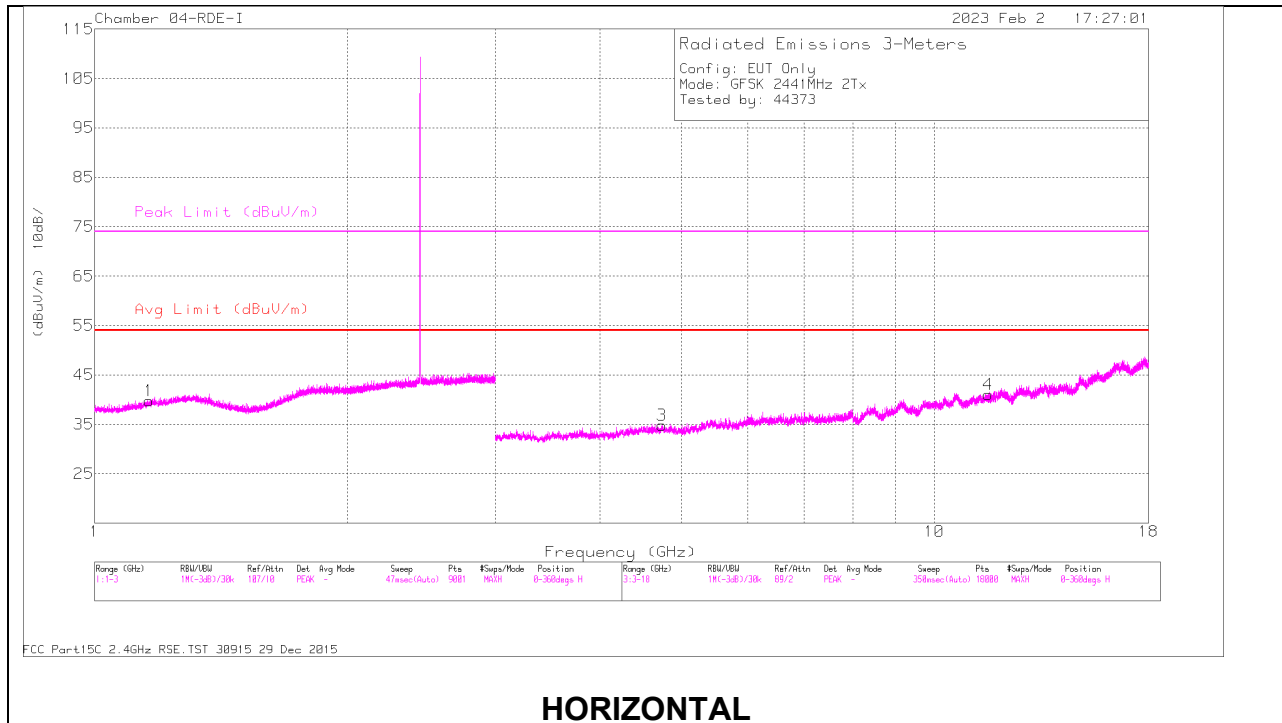
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Fit r (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.307525	41.87	PKFH	28.6	-21.2	49.27	-	-	74	-24.73	222	126	H
	* 1.30771	28.35	VA1T	28.6	-21.2	35.75	54	-18.25	-	-	222	126	H
2	* 1.572269	41.7	PKFH	27.6	-22.1	47.2	-	-	74	-26.8	353	147	V
	* 1.571726	28.14	VA1T	27.6	-22.1	33.64	54	-20.36	-	-	353	147	V
3	* 4.793347	36.23	PKFH	34.1	-27.6	42.73	-	-	74	-31.27	331	194	H
	* 4.795306	23.12	VA1T	34.1	-27.6	29.62	54	-24.38	-	-	331	194	H
4	7.205504	39.65	PKFH	35.6	-25.9	49.35	-	-	-	-	91	121	H
	7.205972	31.93	VA1T	35.6	-25.9	41.63	-	-	-	-	91	121	H
5	* 3.896378	38.3	PKFH	33.2	-29.6	41.9	-	-	74	-32.1	218	200	V
	* 3.894498	24.46	VA1T	33.2	-29.6	28.06	54	-25.94	-	-	218	200	V
6	7.205007	36.5	PKFH	35.6	-25.9	46.2	-	-	-	-	47	185	V
	7.205764	25.61	VA1T	35.6	-25.9	35.31	-	-	-	-	47	185	V

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

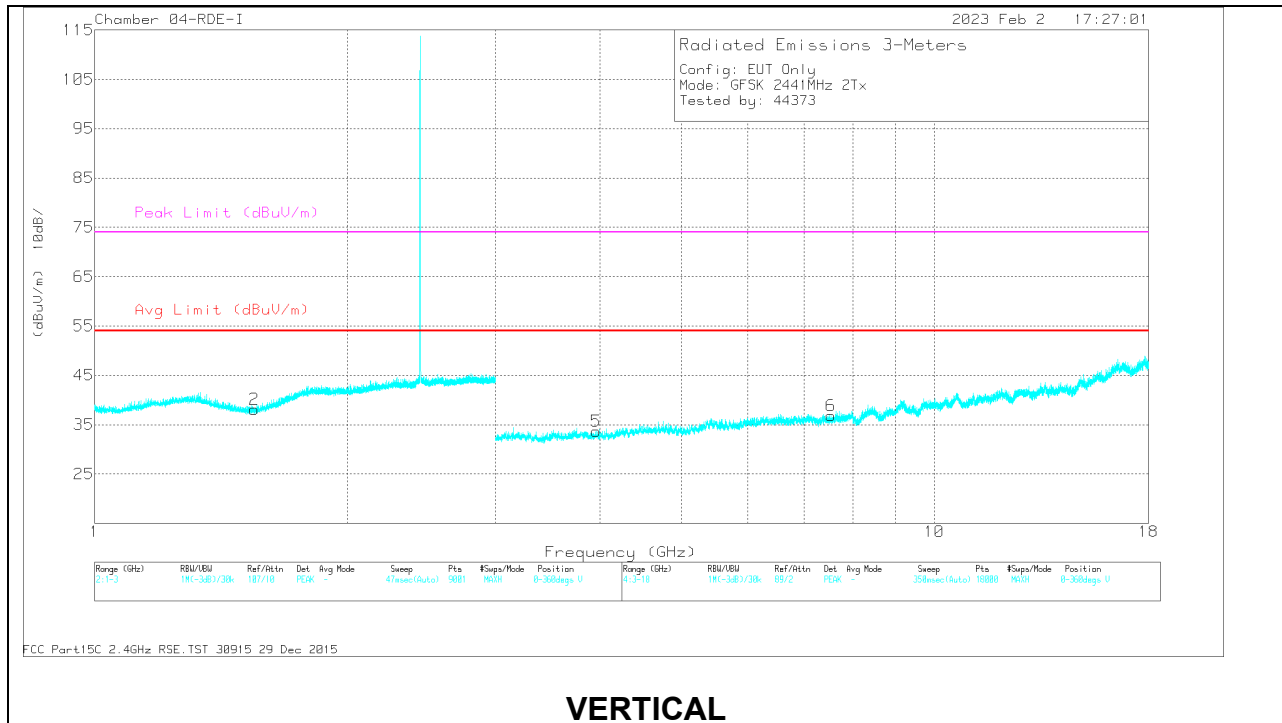
PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak

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

MID CHANNEL RESULTS



HORIZONTAL



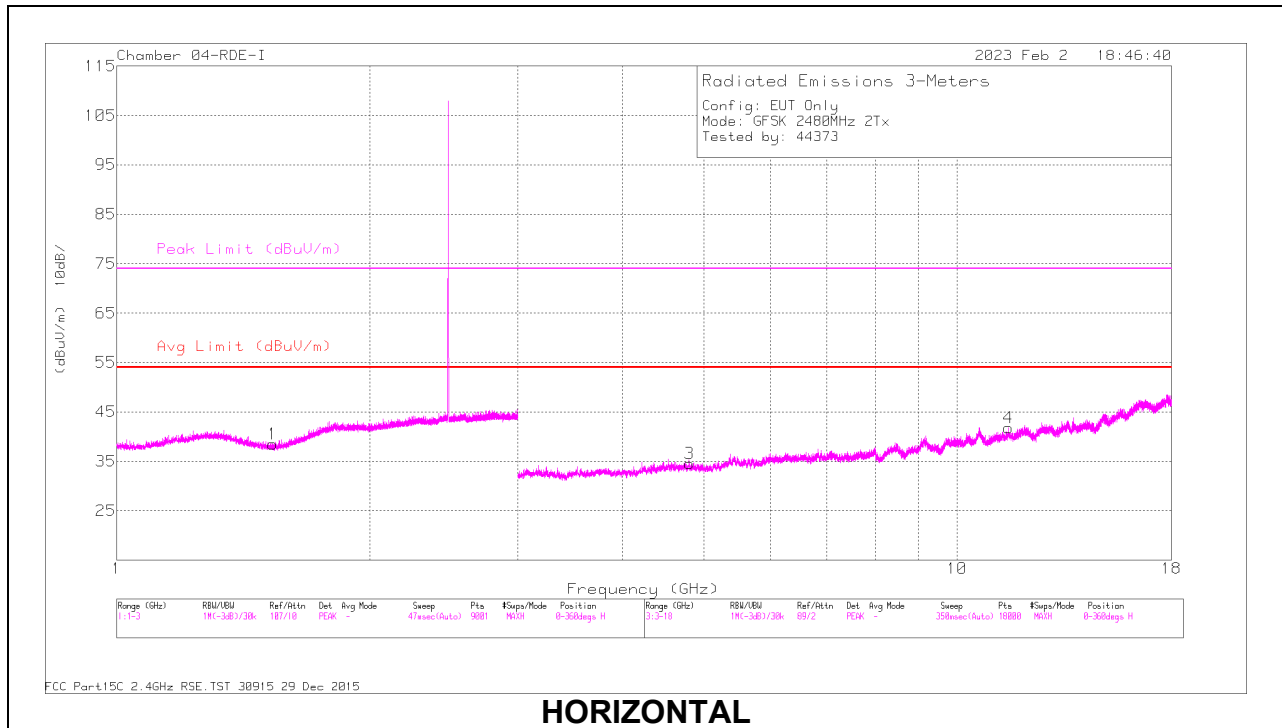
VERTICAL

RADIATED EMISSIONS

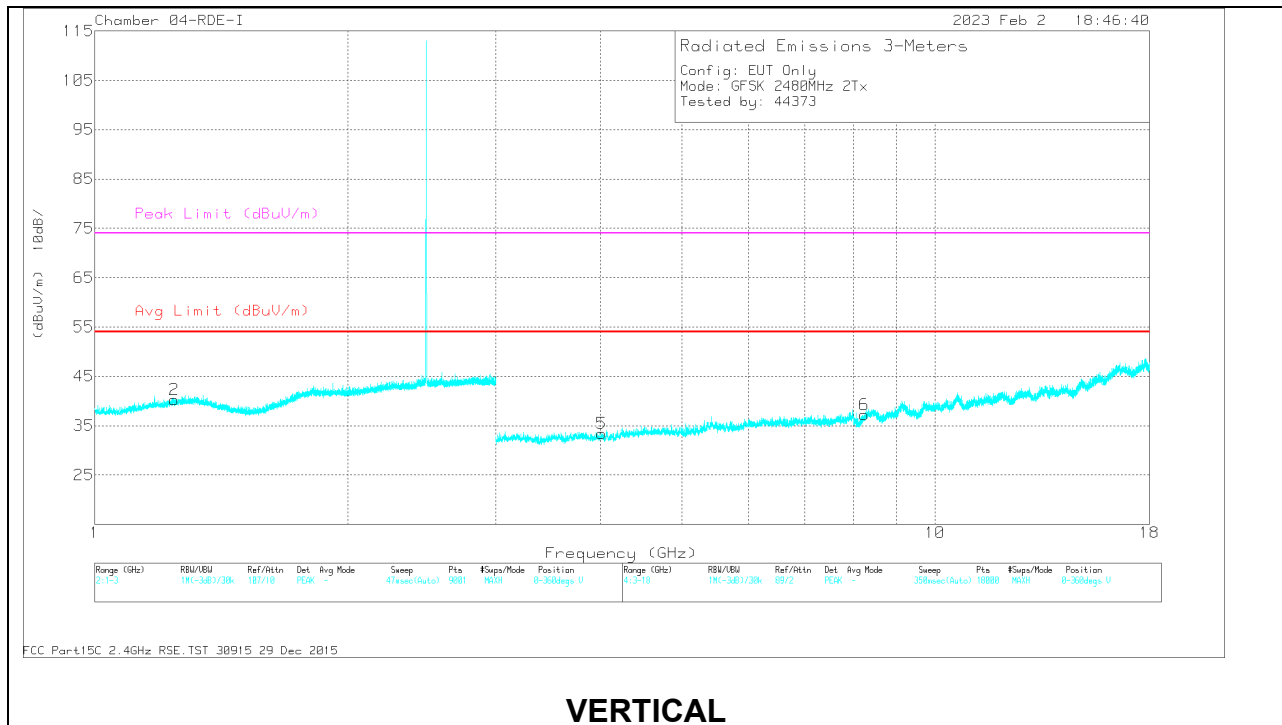
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/FI tr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.160261	42.12	PKFH	27.8	-21.7	48.22	-	-	74	-25.78	61	225	H
	* 1.15984	28.52	VA1T	27.8	-21.7	34.62	54	-19.38	-	-	61	225	H
2	* 1.54967	41.34	PKFH	27.6	-22.3	46.64	-	-	74	-27.36	137	110	V
	* 1.548332	28.05	VA1T	27.6	-22.3	33.35	54	-20.65	-	-	137	110	V
3	* 4.736019	36.52	PKFH	34.3	-28	42.82	-	-	74	-31.18	356	162	H
	* 4.736298	23.48	VA1T	34.3	-28	29.78	54	-24.22	-	-	356	162	H
4	* 11.584347	33.68	PKFH	38.1	-22.1	49.68	-	-	74	-24.32	316	222	H
	* 11.585112	19.53	VA1T	38.1	-22.1	35.53	54	-18.47	-	-	316	222	H
5	* 3.960935	38.25	PKFH	33.2	-29.8	41.65	-	-	74	-32.35	67	181	V
	* 3.958631	24.88	VA1T	33.2	-29.6	28.48	54	-25.52	-	-	67	181	V
6	* 7.533946	35.48	PKFH	35.6	-25.4	45.68	-	-	74	-28.32	161	224	V
	* 7.533414	21.14	VA1T	35.6	-25.4	31.34	54	-22.66	-	-	161	224	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 transmit duration

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

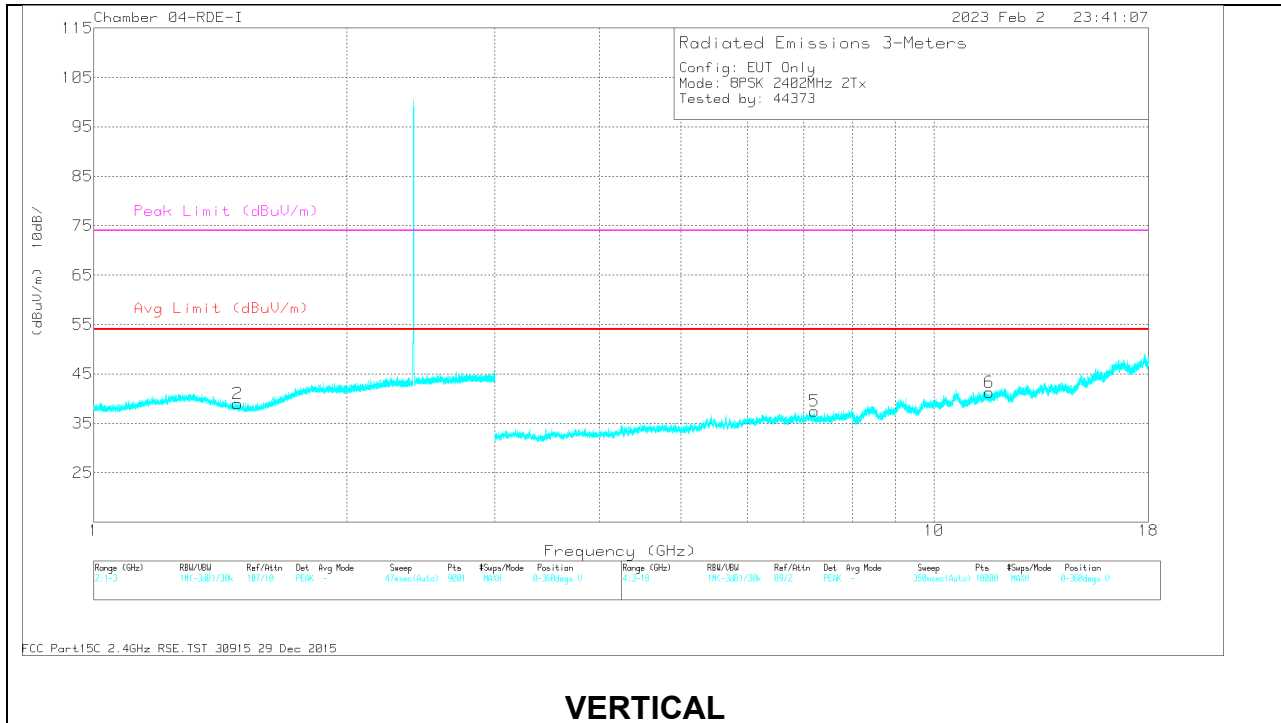
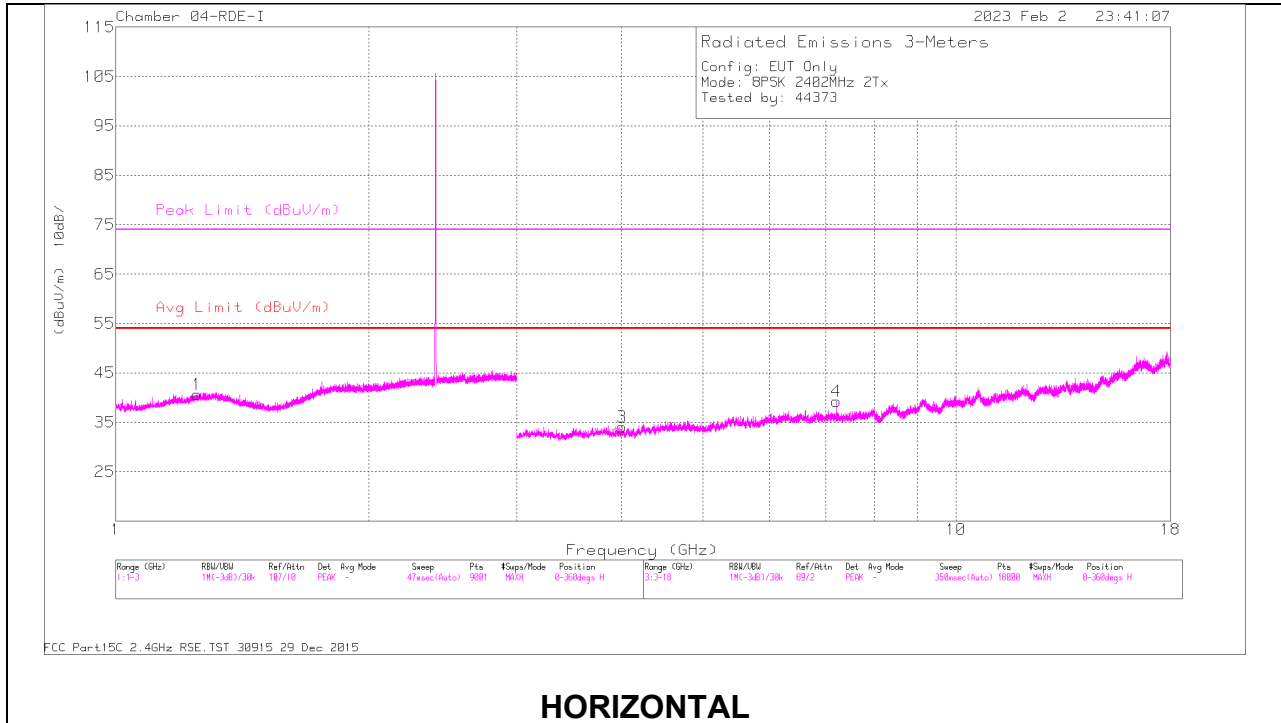
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/Fitter (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.53437	41.34	PKFH	27.6	-22.3	46.64	-	-	74	-27.36	257	149	H
	* 1.532083	28.06	VA1T	27.6	-22.3	33.36	54	-20.64	-	-	257	149	H
2	* 1.241657	42.1	PKFH	28.5	-21.1	49.5	-	-	74	-24.5	293	181	V
	* 1.242116	27.85	VA1T	28.5	-21.1	35.25	54	-18.75	-	-	293	181	V
3	* 4.808351	36.46	PKFH	34.1	-27.8	42.76	-	-	74	-31.24	109	220	H
	* 4.806247	23.06	VA1T	34.1	-27.7	29.46	54	-24.54	-	-	109	220	H
4	* 11.509232	33.47	PKFH	38.1	-21.7	49.87	-	-	74	-24.13	197	237	H
	* 11.506672	19.65	VA1T	38	-21.7	35.95	54	-18.05	-	-	197	237	H
5	* 4.012951	37.8	PKFH	33.3	-29.2	41.9	-	-	74	-32.1	187	183	V
	* 4.012243	24.23	VA1T	33.3	-29.2	28.33	54	-25.67	-	-	187	183	V
6	* 8.237764	33.62	PKFH	35.9	-24.2	45.32	-	-	74	-28.68	73	127	V
	* 8.237399	20.08	VA1T	35.9	-24.2	31.78	54	-22.22	-	-	73	127	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 transmit duration

10.1.10. 8PSK TXBF HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL RESULTS

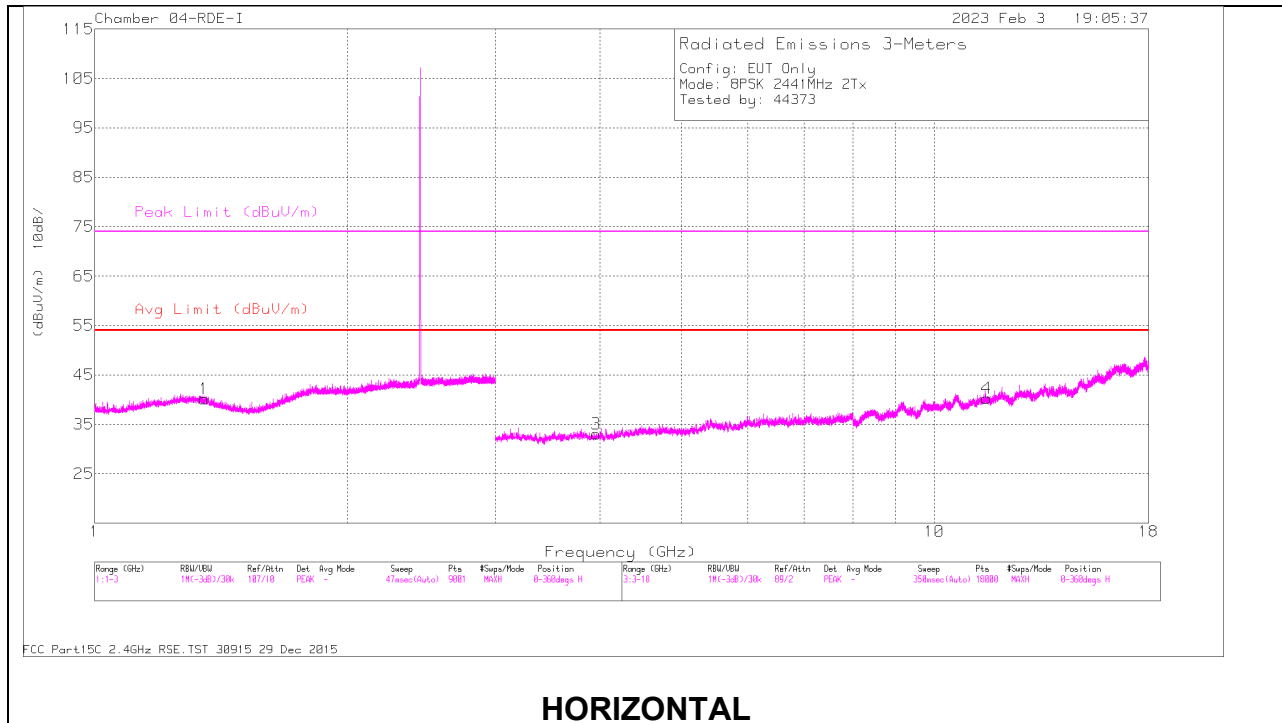


RADIATED EMISSIONS

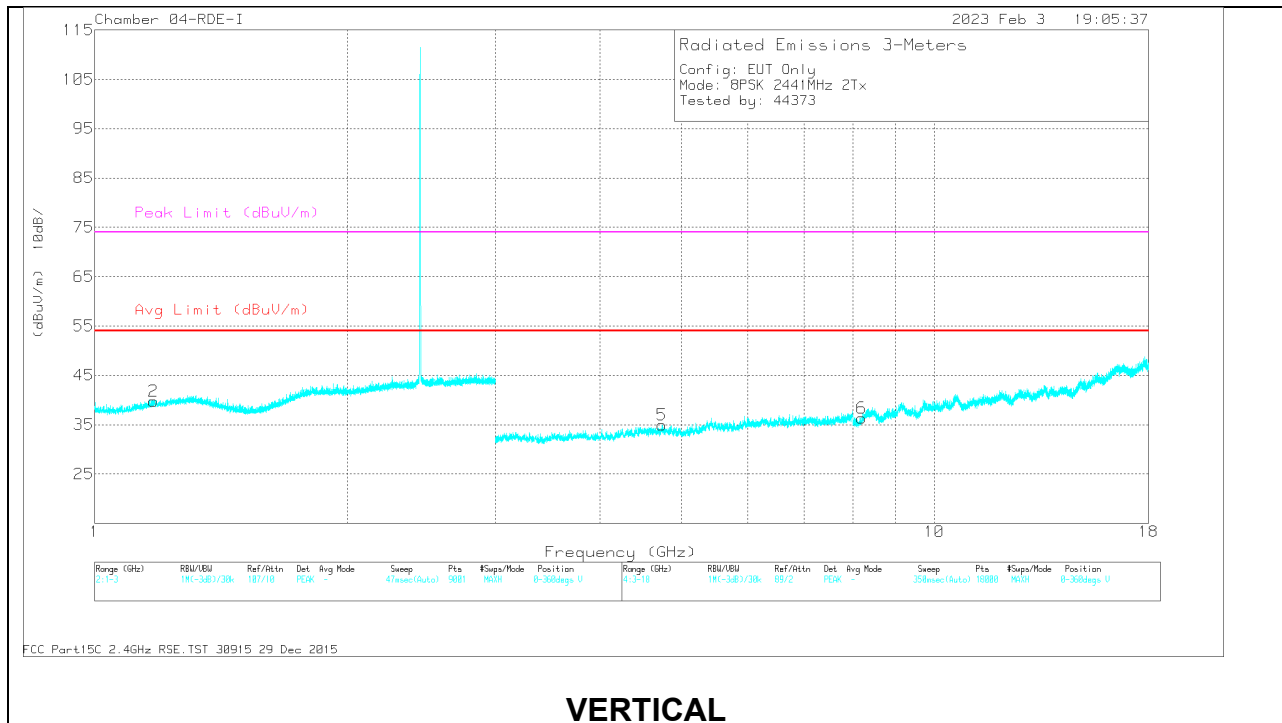
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/ Filtr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.248133	41.4	PKFH	28.6	-21.1	48.9	-	-	74	-25.1	218	132	H
	* 1.247933	28.03	VA1T	28.5	-21.1	35.43	54	-18.57	-	-	218	132	H
2	* 1.481349	41.15	PKFH	27.7	-22.3	46.55	-	-	74	-27.45	49	232	V
	* 1.482316	28.23	VA1T	27.7	-22.3	33.63	54	-20.37	-	-	49	232	V
3	* 4.004172	37.74	PKFH	33.3	-29.2	41.84	-	-	74	-32.16	206	239	H
	* 4.004074	24.34	VA1T	33.3	-29.3	28.34	54	-25.66	-	-	206	239	H
4	7.206383	40.08	PKFH	35.6	-25.9	49.78	-	-	-	-	61	137	H
	7.205985	32.04	VA1T	35.6	-25.9	41.74	-	-	-	-	61	137	H
5	7.205421	36.87	PKFH	35.6	-25.9	46.57	-	-	-	-	64	173	V
	7.205982	24.92	VA1T	35.6	-25.9	34.62	-	-	-	-	64	173	V
6	* 11.634456	32.63	PKFH	38.2	-21.9	48.93	-	-	74	-25.07	278	187	V
	* 11.633464	19.29	VA1T	38.2	-21.9	35.59	54	-18.41	-	-	278	187	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 transmit duration

MID CHANNEL RESULTS



HORIZONTAL



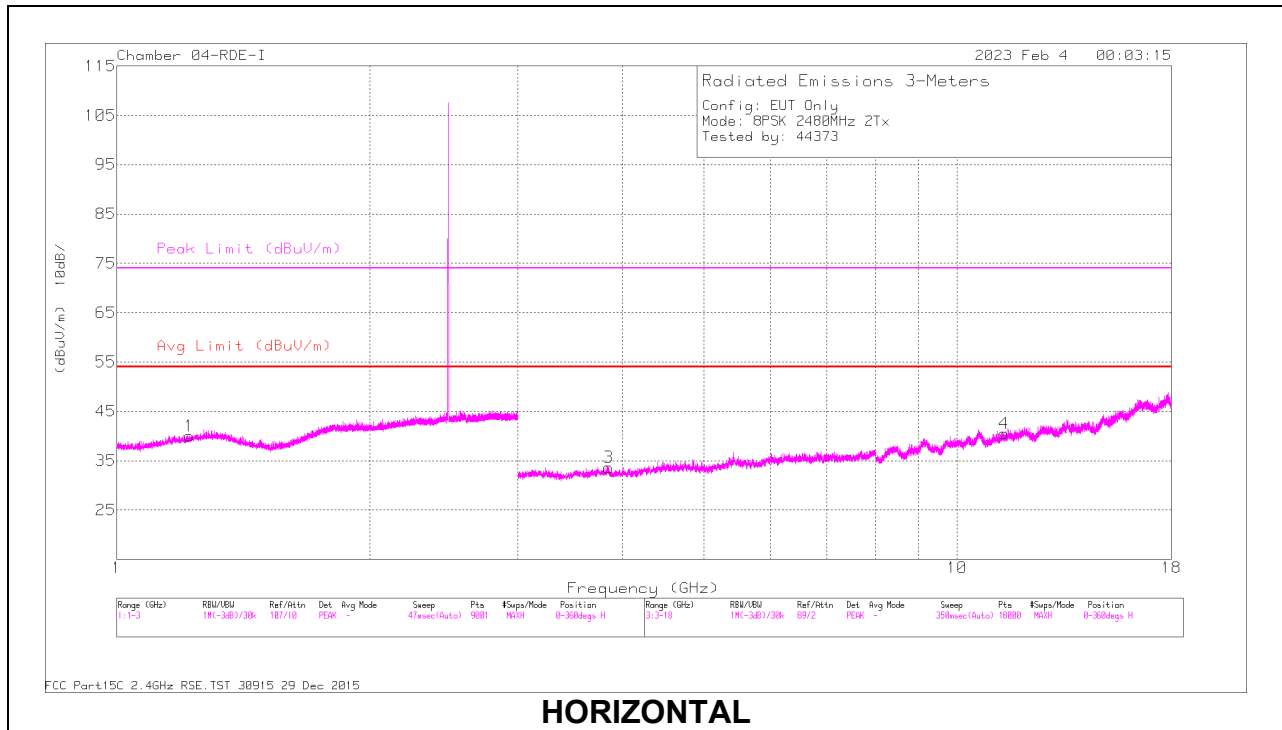
VERTICAL

RADIATED EMISSIONS

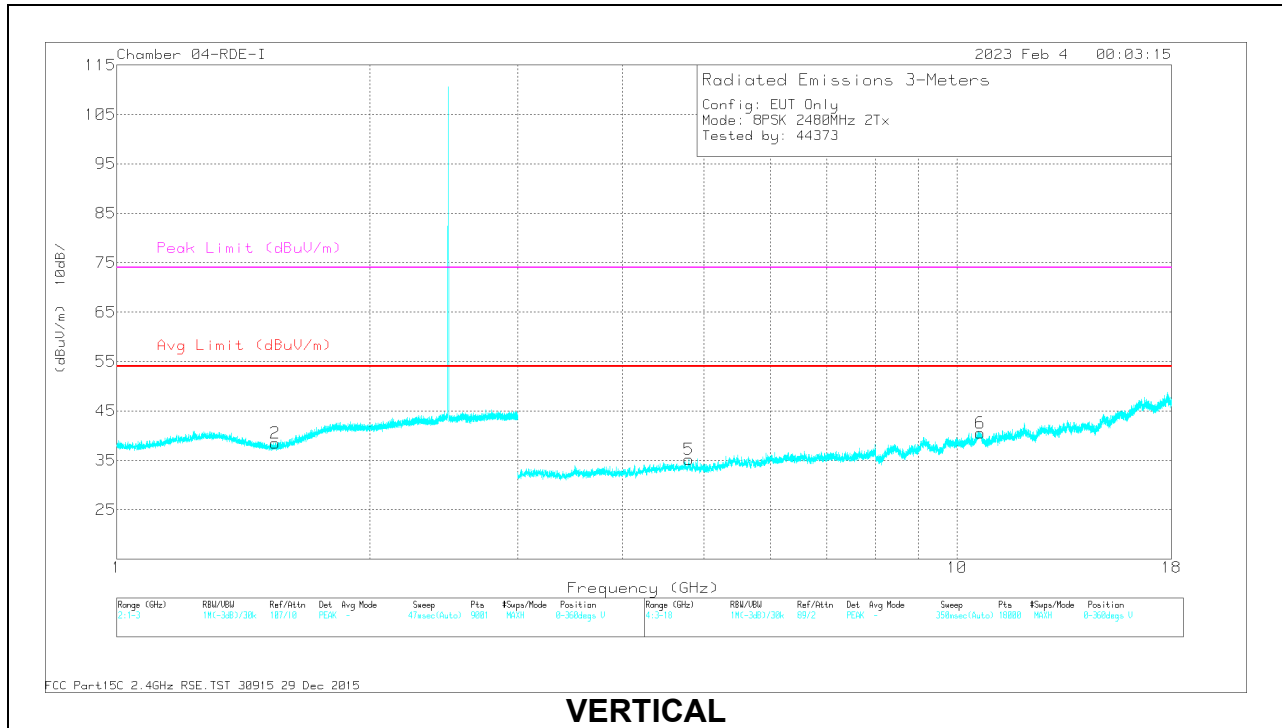
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/ Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.349741	40.95	PKFH	28.6	-21.5	48.05	-	-	74	-25.95	254	210	H
	* 1.350454	28.04	VA1T	28.6	-21.5	35.14	54	-18.86	-	-	254	210	H
2	* 1.175922	42.32	PKFH	27.9	-21.5	48.72	-	-	74	-25.28	176	196	V
	* 1.173474	28.29	VA1T	27.9	-21.6	34.59	54	-19.41	-	-	176	196	V
3	* 3.961776	37.51	PKFH	33.2	-29.7	41.01	-	-	74	-32.99	301	240	H
	* 3.958578	24.6	VA1T	33.2	-29.6	28.2	54	-25.8	-	-	301	240	H
4	* 11.547614	33.21	PKFH	38.1	-22.2	49.11	-	-	74	-24.89	359	185	H
	* 11.545694	19.3	VA1T	38.1	-22.3	35.1	54	-18.9	-	-	359	185	H
5	* 4.740413	36.65	PKFH	34.3	-28	42.95	-	-	74	-31.05	351	122	V
	* 4.737755	23.2	VA1T	34.3	-28.1	29.4	54	-24.6	-	-	351	122	V
6	* 8.190499	32.06	PKFH	35.8	-24	43.86	-	-	74	-30.14	241	154	V
	* 8.190145	19.34	VA1T	35.8	-24	31.14	54	-22.86	-	-	241	154	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 transmit duration

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

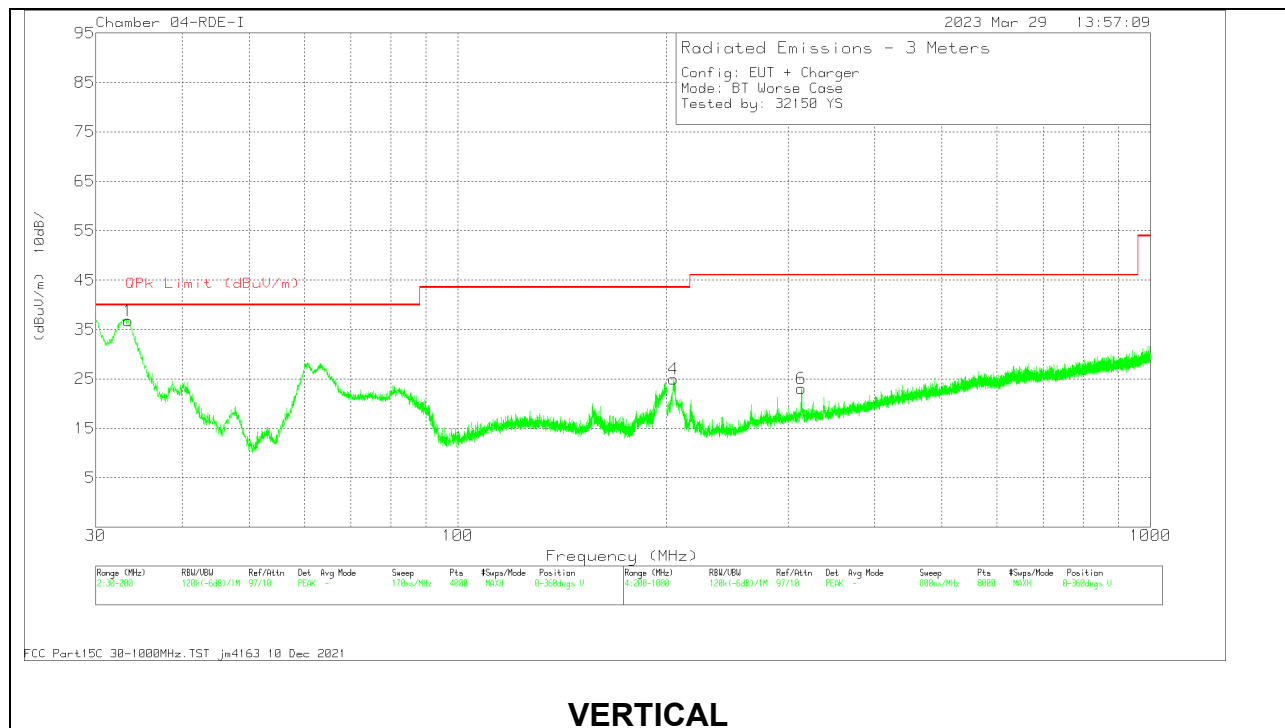
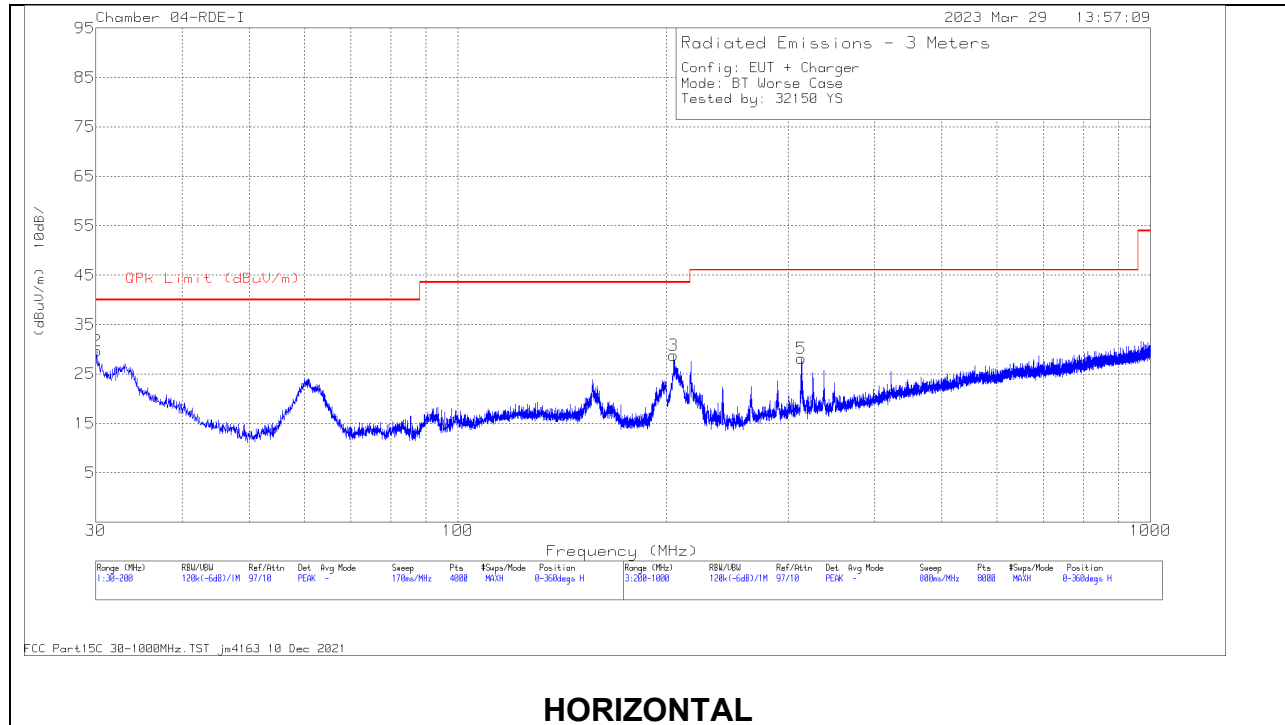
marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB) - 3mH	Amp/Cbl/FI tr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.221704	41.59	PKFH	28.3	-21.3	48.59	-	-	74	-25.41	284	219	H
	* 1.219442	27.8	VA1T	28.3	-21.3	34.8	54	-19.2	-	-	284	219	H
2	* 1.545209	41.8	PKFH	27.6	-22.3	47.1	-	-	74	-26.9	101	144	V
	* 1.543366	27.9	VA1T	27.6	-22.3	33.2	54	-20.8	-	-	101	144	V
3	* 3.85108	37.34	PKFH	33.2	-29.2	41.34	-	-	74	-32.66	208	198	H
	* 3.851487	24.17	VA1T	33.2	-29.2	28.17	54	-25.83	-	-	208	198	H
4	* 11.385061	34.36	PKFH	37.9	-22.4	49.86	-	-	74	-24.14	59	159	H
	* 11.384976	19.56	VA1T	37.9	-22.4	35.06	54	-18.94	-	-	59	159	H
5	* 4.794598	35.89	PKFH	34.1	-27.6	42.39	-	-	74	-31.61	151	138	V
	* 4.794493	22.66	VA1T	34.1	-27.6	29.16	54	-24.84	-	-	151	138	V
6	* 10.662263	33.16	PKFH	37.6	-21.5	49.26	-	-	74	-24.74	160	158	V
	* 10.660829	19.21	VA1T	37.6	-21.5	35.31	54	-18.69	-	-	160	158	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 transmit duration

10.2. WORST CASE BELOW 1 GHZ

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



Below 1GHz Data

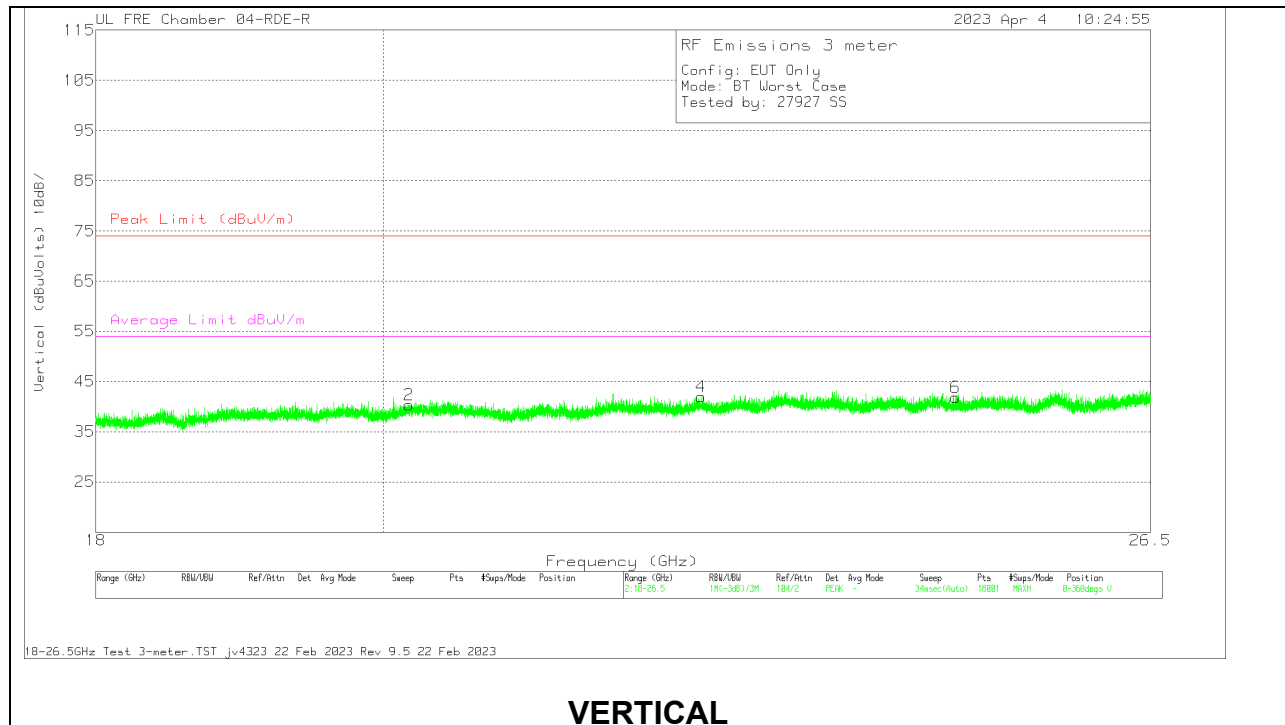
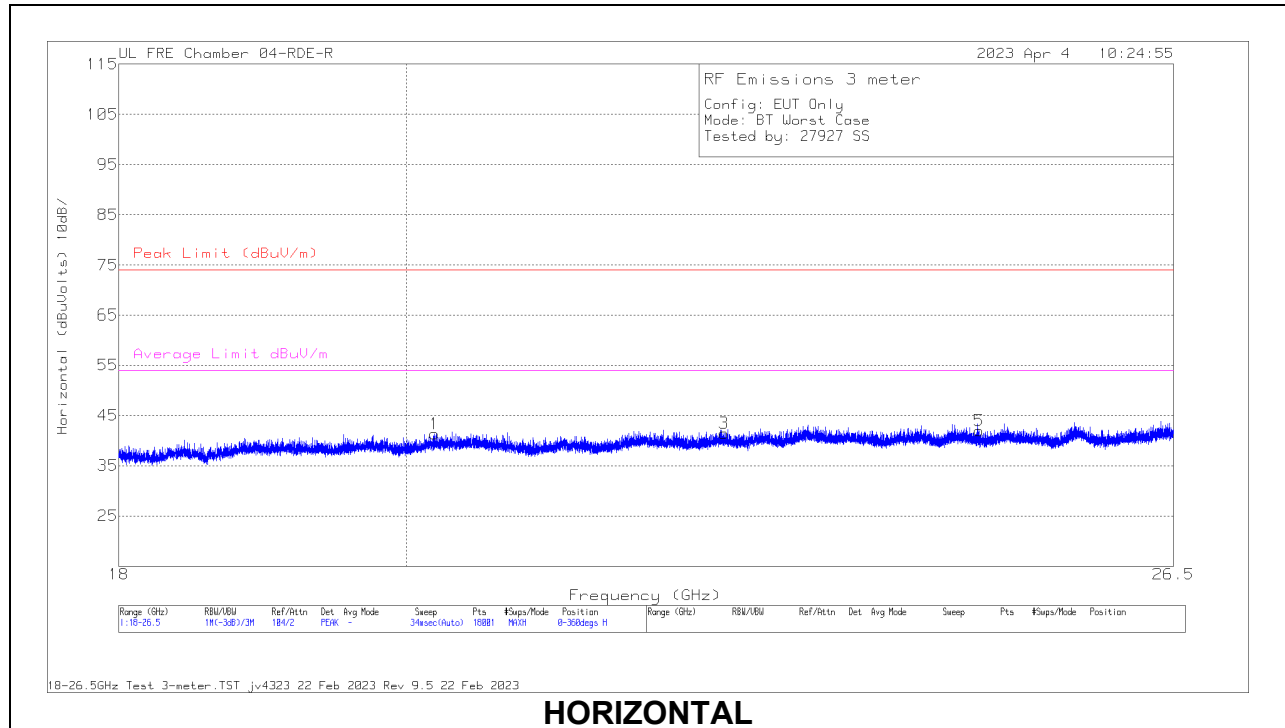
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80714 ACF (dB) - 10mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	30.1275	33.31	Pk	27.6	-31.3	29.61	40	-10.39	0-360	199	H
1	33.4009	42.68	Pk	25.3	-31.2	36.78	40	-3.22	0-360	100	V
	33.4511	38.74	Qp	25.3	-31.1	32.94	40	-7.06	357	120	V
3	204.901	41.73	Pk	17.2	-30.1	28.83	43.52	-14.69	0-360	100	H
5	313.515	38.1	Pk	19.5	-29.5	28.1	46.02	-17.92	0-360	100	H
4	204.901	37.82	Pk	17.2	-30.1	24.92	43.52	-18.6	0-360	99	V
6	313.515	33.05	Pk	19.5	-29.5	23.05	46.02	-22.97	0-360	99	V

Pk - Peak detector

Qp - Quasi-Peak detector

10.3. WORST CASE 18-26 GHZ

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



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172353 ACF (dB) - 3mH	171583 Amp Assembly (dB)	Cables (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	20.192527	55.16	Pk	33.1	-63.9	16	40.36	74	-33.64	54	-13.64	0-360	99	V
1	20.210471	56.02	Pk	33.1	-63.8	16	41.32	74	-32.68	54	-12.68	0-360	100	H
4	22.472887	56.97	Pk	33.8	-65.6	16.8	41.97	74	-32.03	54	-12.03	0-360	99	V
3	22.475248	56.45	Pk	33.8	-65.6	16.8	41.45	74	-32.55	54	-12.55	0-360	100	H
6	24.669191	54.23	Pk	34.4	-64.4	17.6	41.83	74	-32.17	54	-12.17	0-360	99	V
5	24.678636	54.39	Pk	34.4	-64.4	17.6	41.99	74	-32.01	54	-12.01	0-360	100	H

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

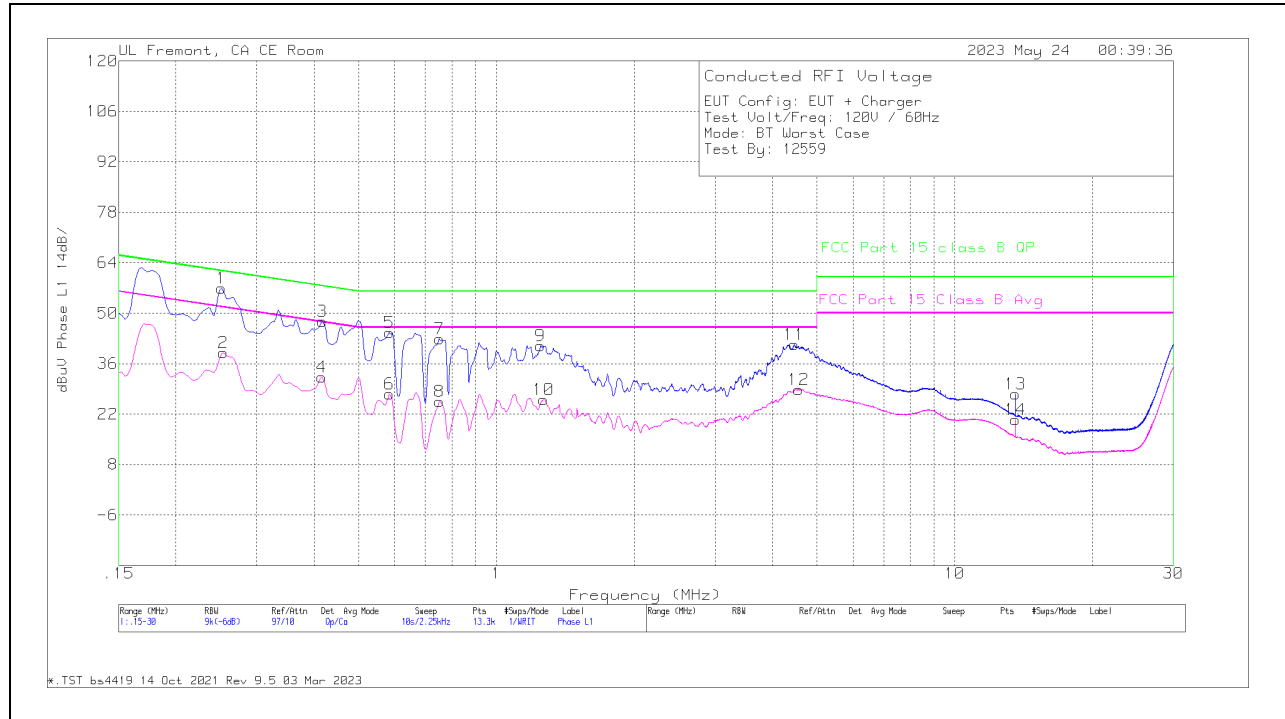
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line With AC/DC Adapter

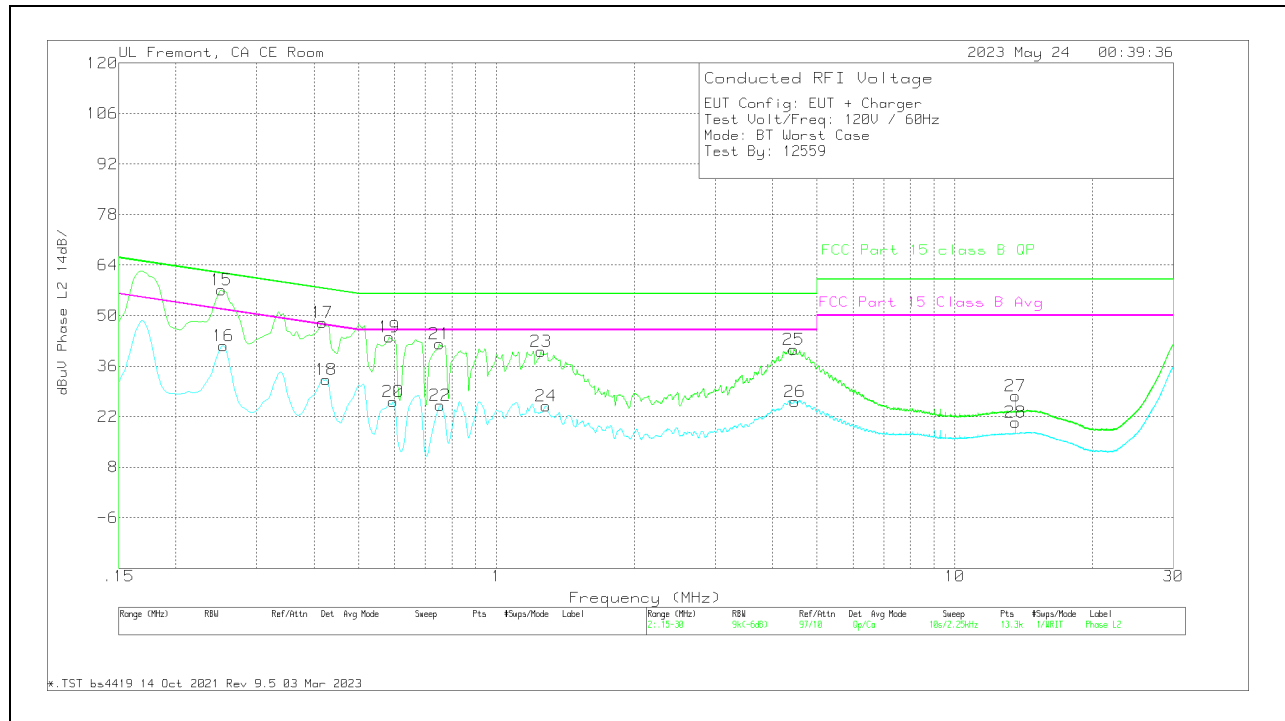
LINE 1 RESULTS



Marker	Frequency (MHz)	Meter Reading (dBµV)	Det	C1&C3 cable path loss (dB)	PRE0186447 LISN L1 (dB)	207996 Limiter with short cable (dB)	10 dB Pad	Corrected Reading dBµV	FCC Part 15 Class B Avg dBµV	Margin (dB)	FCC Part 15 class B QP dBµV	Margin (dB)
2	.2535	19.8	Ca	0	0	9.3	10	39.1	51.64	-12.54	-	-
4	.4155	12.84	Ca	.1	0	9.3	10	32.24	47.54	-15.3	-	-
6	.5843	8.13	Ca	.1	0	9.3	10	27.53	46	-18.47	-	-
8	.7508	6.11	Ca	.1	0	9.3	10	25.51	46	-20.49	-	-
10	1.2683	6.64	Ca	.1	0	9.3	10	26.04	46	-19.96	-	-
12	4.56	9.44	Ca	.1	0	9.3	10	28.84	46	-17.16	-	-
14	13.56	.84	Ca	.2	.1	9.3	10	20.44	50	-29.56	-	-
1	.2513	37.63	Qp	0	0	9.3	10	56.93	-	-	61.72	-4.79
3	.4178	28.36	Qp	.1	0	9.3	10	47.76	-	-	57.49	-9.73
5	.5843	25.23	Qp	.1	0	9.3	10	44.63	-	-	56	-11.37
7	.7508	23.52	Qp	.1	0	9.3	10	42.92	-	-	56	-13.08
9	1.248	21.56	Qp	.1	0	9.3	10	40.96	-	-	56	-15.04
11	4.47	21.89	Qp	.1	0	9.3	10	41.29	-	-	56	-14.71
13	13.56	8.05	Qp	.2	.1	9.3	10	27.65	-	-	60	-32.35

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



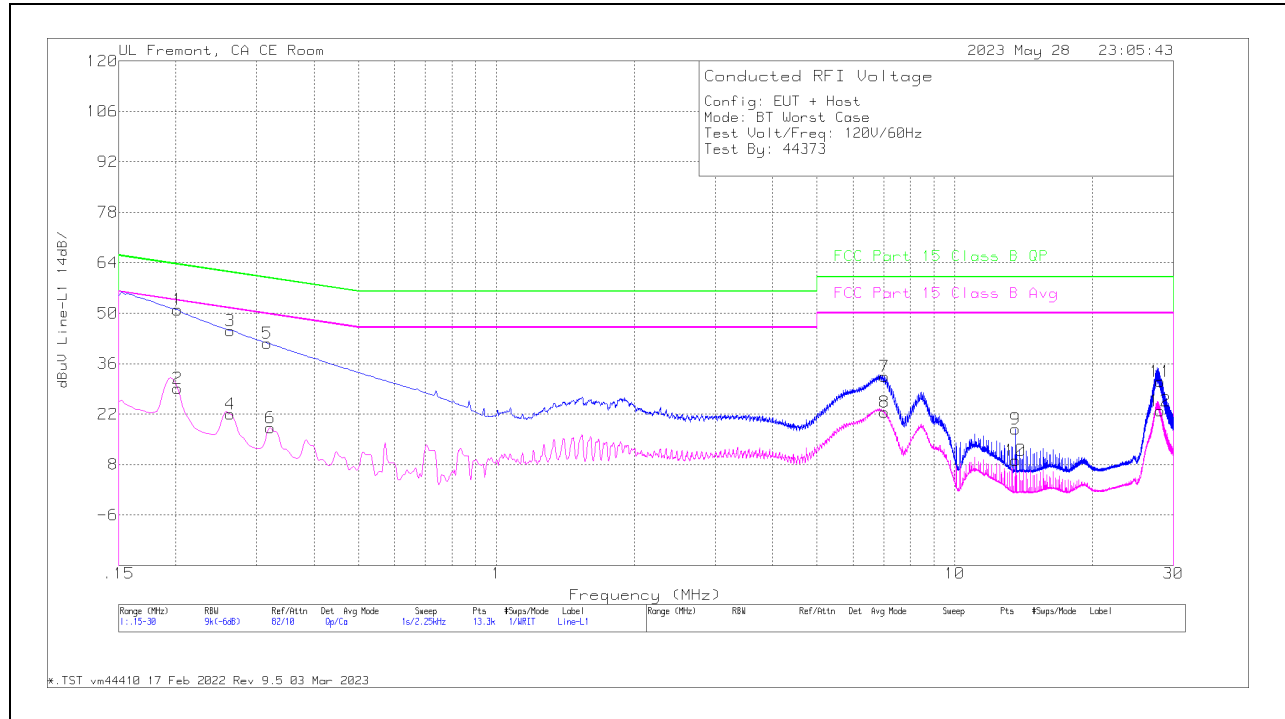
Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	C2&C3 cable path loss (dB)	PRE0186447 LISN L2 (dB)	207996 Limiter with short cable (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
16	.2535	22.28	Ca	0	0	9.3	10	41.58	51.64	-10.06	-	-
18	.4245	12.91	Ca	.1	0	9.3	10	32.31	47.36	-15.05	-	-
20	.5955	6.79	Ca	.1	0	9.3	10	26.19	46	-19.81	-	-
22	.753	5.71	Ca	.1	0	9.3	10	25.11	46	-20.89	-	-
24	1.2818	5.54	Ca	.1	0	9.3	10	24.94	46	-21.06	-	-
26	4.479	6.79	Ca	.1	0	9.3	10	26.19	46	-19.81	-	-
28	13.56	.77	Ca	.2	.1	9.3	10	20.37	50	-29.63	-	-
15	.2513	37.78	Qp	0	0	9.3	10	57.08	-	-	61.72	-4.64
17	.4178	28.65	Qp	.1	0	9.3	10	48.05	-	-	57.49	-9.44
19	.5843	24.71	Qp	.1	0	9.3	10	44.11	-	-	56	-11.89
21	.7508	22.71	Qp	.1	0	9.3	10	42.11	-	-	56	-13.89
23	1.2503	20.62	Qp	.1	0	9.3	10	40.02	-	-	56	-15.98
25	4.4576	21.14	Qp	.1	0	9.3	10	40.54	-	-	56	-15.46
27	13.56	8.16	Qp	.2	.1	9.3	10	27.76	-	-	60	-32.24

Qp - Quasi-Peak detector
 Ca - CISPR average detection

Qp - Quasi-Peak detector
 Ca - CISPR average detection

11.2. AC Power Line With Laptop

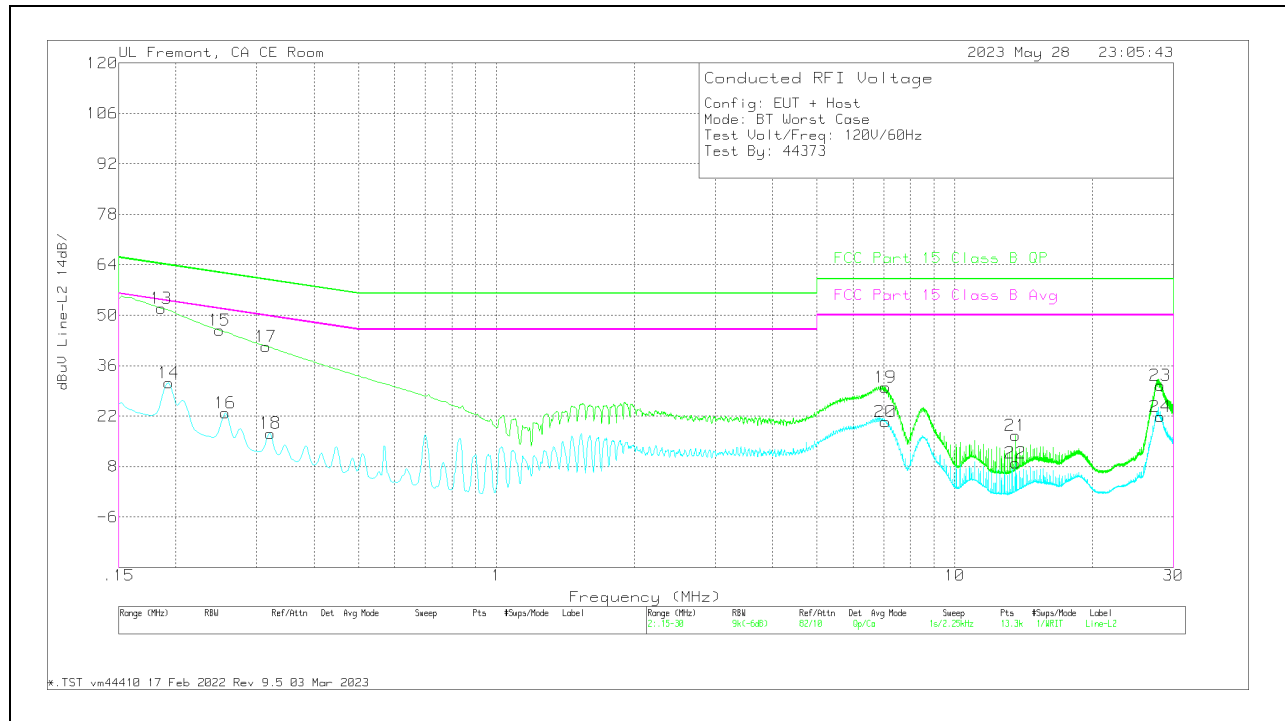
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L1_LISN.csv (dB)	C1&C3 cable path loss (dB)	207996 Limiter with short cable (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR) Margin (dB)
2	.2018	19.8	Ca	0	0	9.4	29.2	-	-	53.54	-24.34
4	.2625	12.76	Ca	0	0	9.3	22.06	-	-	51.35	-29.29
6	.321	8.95	Ca	0	0	9.3	18.25	-	-	49.68	-31.43
8	7.0305	13.06	Ca	0	.2	9.3	22.56	-	-	50	-27.44
10	13.56	-51	Ca	.1	.2	9.3	9.09	-	-	50	-40.91
12	28.068	12.89	Ca	.3	.3	9.4	22.89	-	-	50	-27.11
1	.2018	41.56	Qp	0	0	9.4	50.96	63.54	-12.58	-	-
3	.2625	35.91	Qp	0	0	9.3	45.21	61.35	-16.14	-	-
5	.3165	32.4	Qp	0	0	9.3	41.7	59.8	-18.1	-	-
7	7.026	22.89	Qp	0	.2	9.3	32.39	60	-27.61	-	-
9	13.56	8.22	Qp	.1	.2	9.3	17.82	60	-42.18	-	-
11	28.068	21.05	Qp	.3	.3	9.4	31.05	60	-28.95	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN (dB)	C2&C3 cable path loss (dB)	207996 Limiter with short cable (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR) Margin (dB)
14	.1928	21.88	Ca	0	0	9.4	31.28	-	-	53.92	-22.64
16	.2558	13.56	Ca	0	0	9.3	22.86	-	-	51.57	-28.71
18	.321	7.93	Ca	0	0	9.3	17.23	-	-	49.68	-32.45
20	7.0598	11.05	Ca	0	.1	9.3	20.45	-	-	50	-29.55
22	13.56	-67	Ca	.1	.2	9.3	8.93	-	-	50	-41.07
24	28.068	11.76	Ca	.3	.3	9.4	21.76	-	-	50	-28.24
13	.186	42.49	Qp	0	0	9.4	51.89	64.21	-12.32	-	-
15	.249	36.5	Qp	0	0	9.3	45.8	61.79	-15.99	-	-
17	.3143	32.07	Qp	0	0	9.3	41.37	59.86	-18.49	-	-
19	7.0598	20.59	Qp	0	.1	9.3	29.99	60	-30.01	-	-
21	13.56	7.04	Qp	.1	.2	9.3	16.64	60	-43.36	-	-
23	28.0838	20.58	Qp	.3	.3	9.4	30.58	60	-29.42	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to setup photos 14523758-EP1V1

END OF TEST REPORT