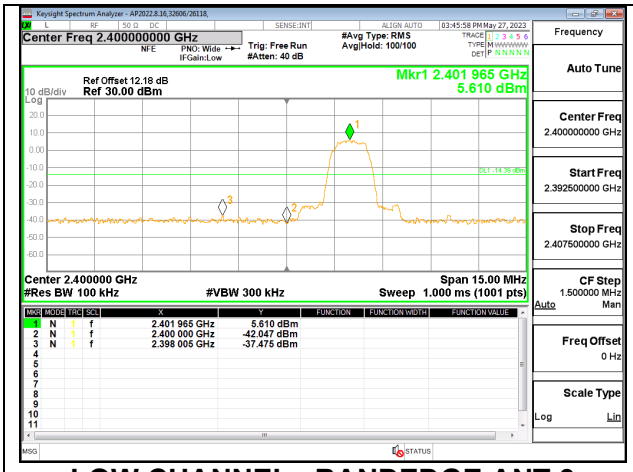
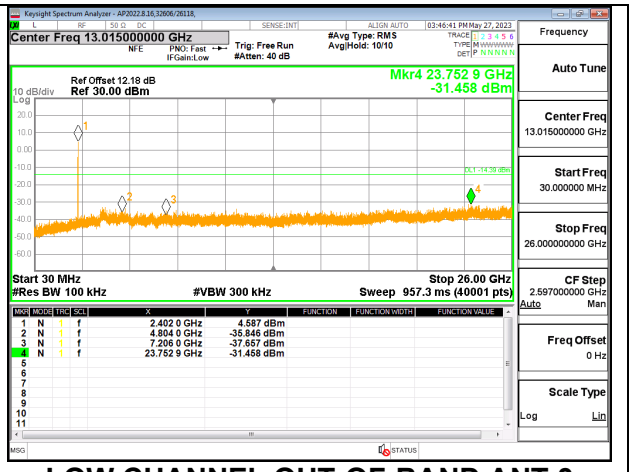
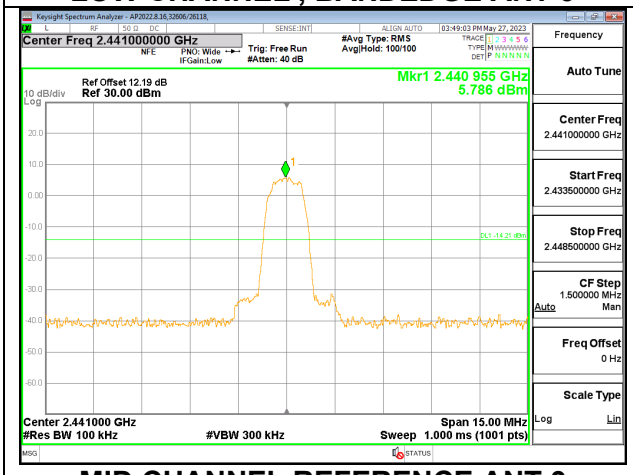
ANT 3



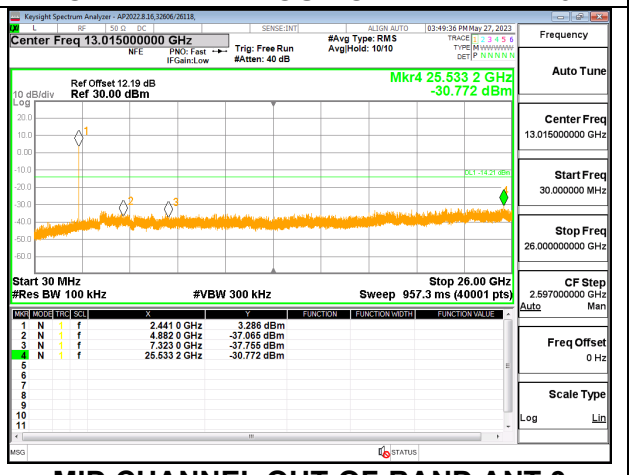
LOW CHANNEL , BANDEDGE ANT 3



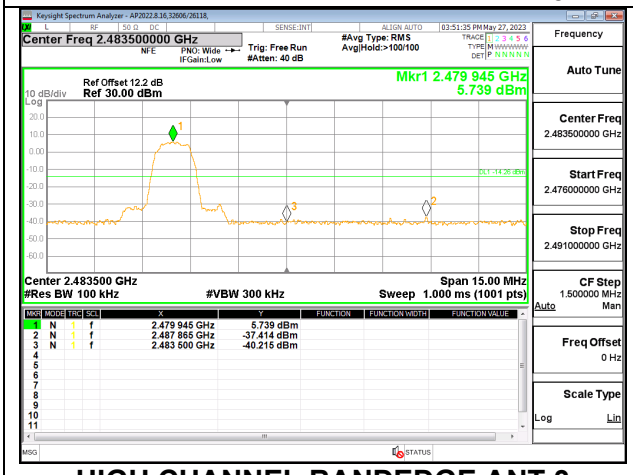
LOW CHANNEL OUT-OF-BAND ANT 3



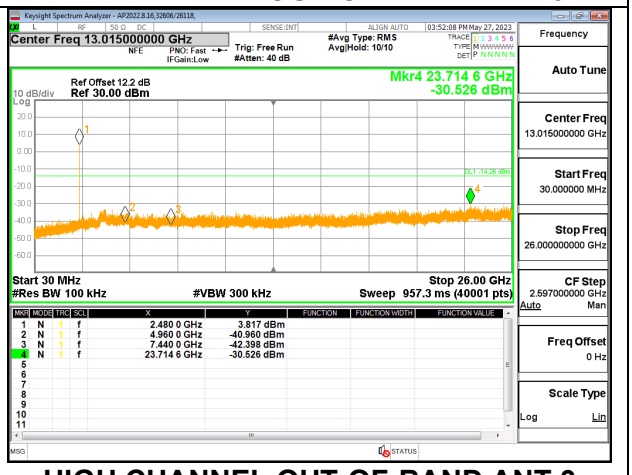
MID CHANNEL REFERENCE ANT 3



MID CHANNEL OUT-OF-BAND ANT 3



HIGH CHANNEL BANDEDGE ANT 3



HIGH CHANNEL OUT-OF-BAND ANT 3

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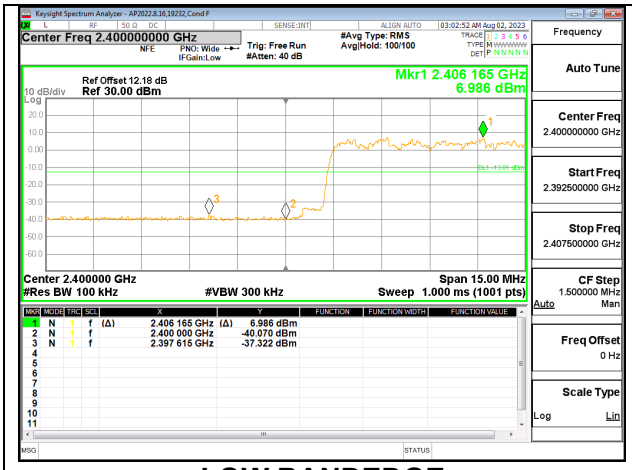
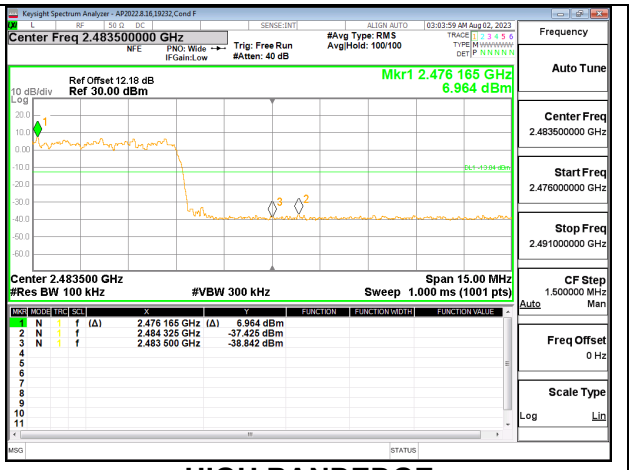
ANT 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



LOW BANDEDGE



HIGH BANDEDGE

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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.

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

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

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

KDB 558074 D01 15.247 Meas Guidance v05r02

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

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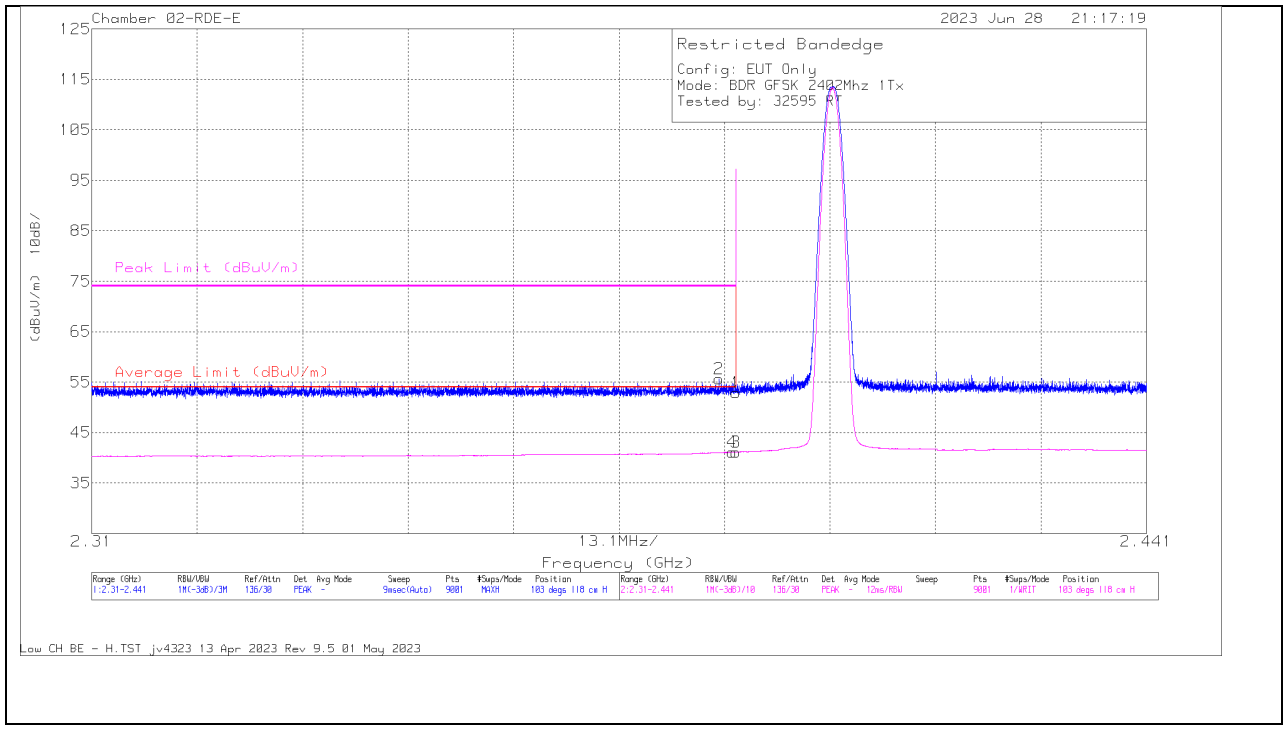
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	59.83	Pk	32.3	0	-39.27	52.86	-	-	74	-21.14	103	118	H
2	* 2.387933	62.64	Pk	32.3	0	-39.28	55.66	-	-	74	-18.34	103	118	H
3	* 2.39	48.06	VA1T	32.3	0	-39.27	41.09	54	-12.91	-	-	103	118	H
4	* 2.389549	48.08	VA1T	32.3	0	-39.27	41.11	54	-12.89	-	-	103	118	H

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

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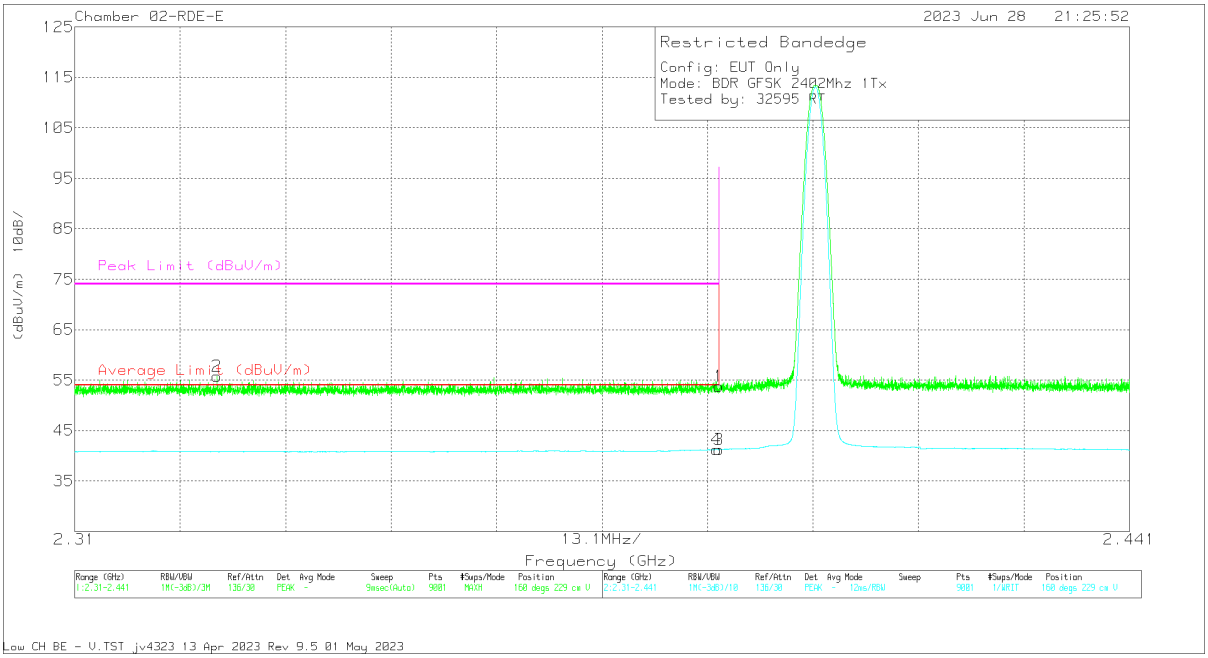
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	60.75	Pk	32.3	0	-39.27	53.78	-	-	74	-20.22	160	229	V
2	* 2.327686	62.97	Pk	32.1	0	-39.31	55.76	-	-	74	-18.24	160	229	V
3	* 2.39	48.16	VA1T	32.3	0	-39.27	41.19	54	-12.81	-	-	160	229	V
4	* 2.389738	48.18	VA1T	32.3	0	-39.27	41.21	54	-12.79	-	-	160	229	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

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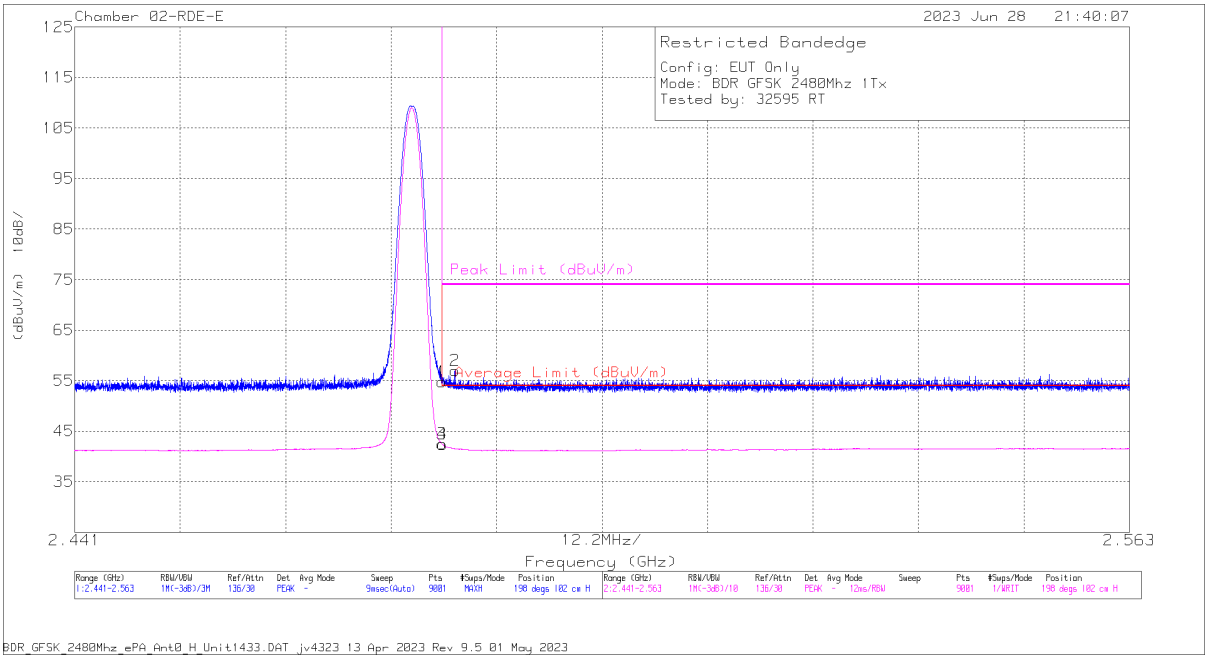
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	61.65	Pk	32.3	0	-39.16	54.79	-	-	74	-19.21	198	102	H
2	*2.484962	63.86	Pk	32.3	0	-39.13	57.03	-	-	74	-16.97	198	102	H
3	*2.4835	49.28	VA1T	32.3	0	-39.16	42.42	54	-11.58	-	-	198	102	H
4	*2.483512	49.26	VA1T	32.3	0	-39.15	42.41	54	-11.59	-	-	198	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

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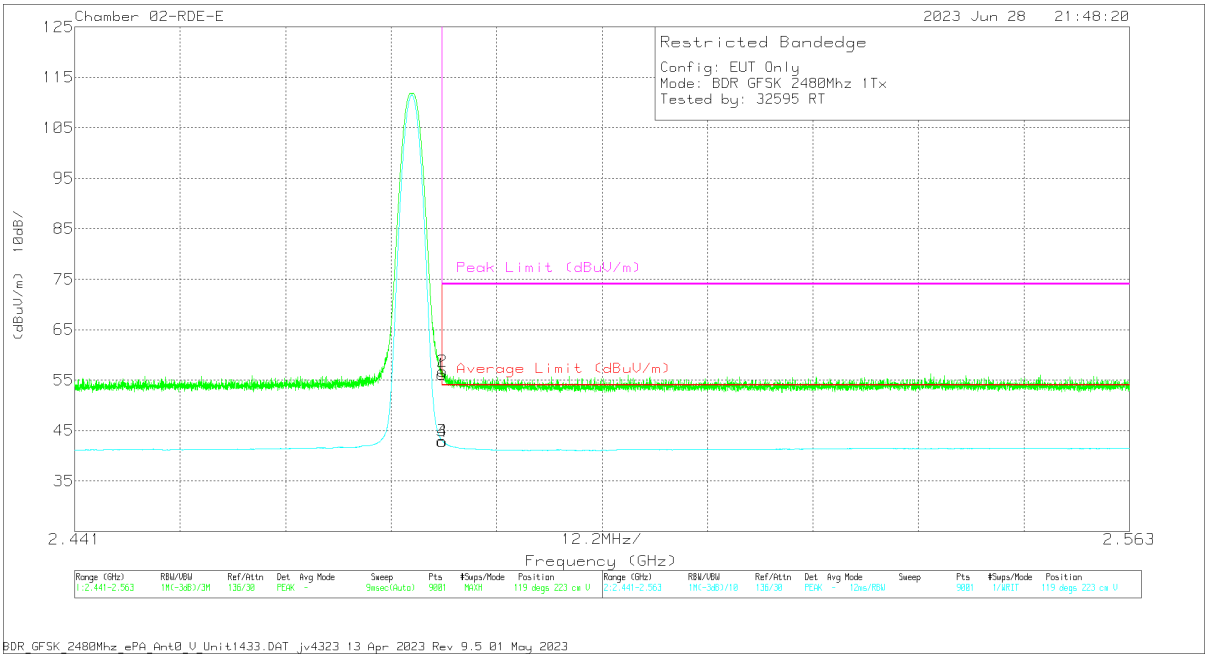
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	62.98	Pk	32.3	0	-39.16	56.12	-	-	74	-17.88	119	223	V
2	* 2.483579	63.58	Pk	32.3	0	-39.15	56.73	-	-	74	-17.27	119	223	V
3	* 2.4835	49.77	VA1T	32.3	0	-39.16	42.91	54	-11.09	-	-	119	223	V
4	* 2.483512	49.75	VA1T	32.3	0	-39.15	42.9	54	-11.1	-	-	119	223	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

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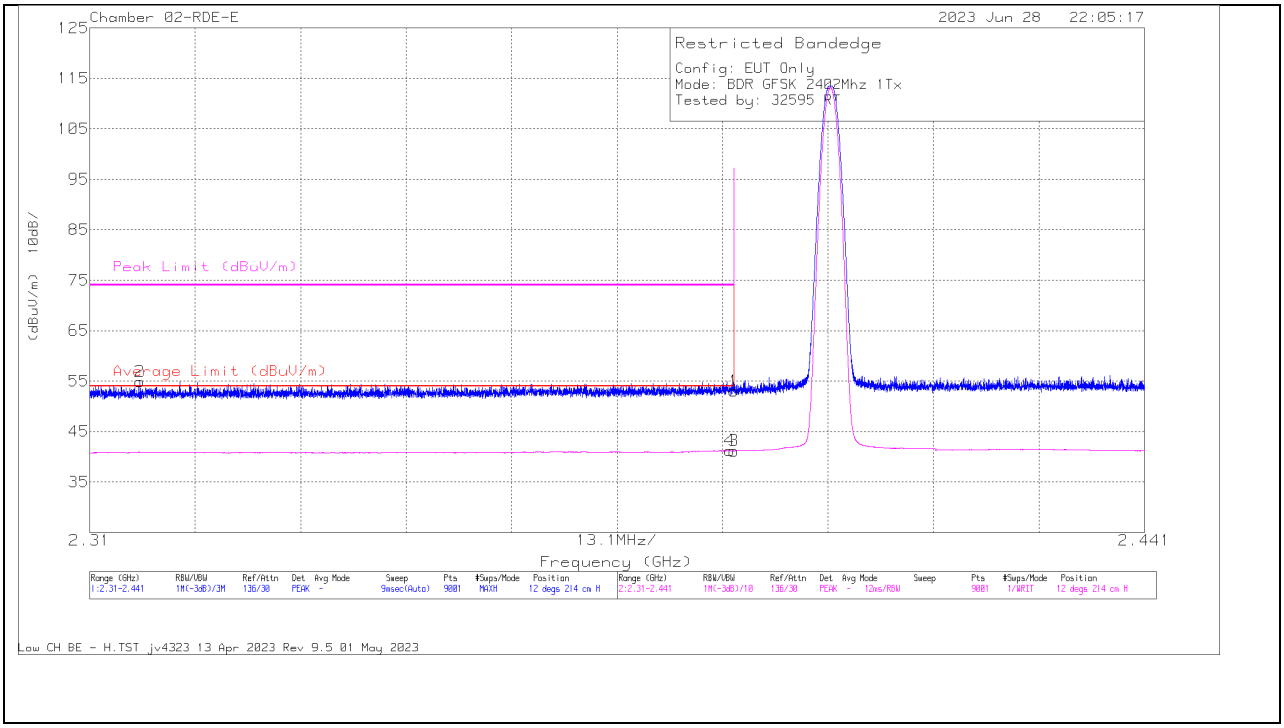
ANT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	60.04	Pk	32.3	0	-39.27	53.07	-	-	74	-20.93	12	214	H
2	* 2.316245	62.17	Pk	32.1	0	-39.34	54.93	-	-	74	-19.07	12	214	H
3	* 2.39	48.14	VA1T	32.3	0	-39.27	41.17	54	-12.83	-	-	12	214	H
4	* 2.389505	48.18	VA1T	32.3	0	-39.27	41.21	54	-12.79	-	-	12	214	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

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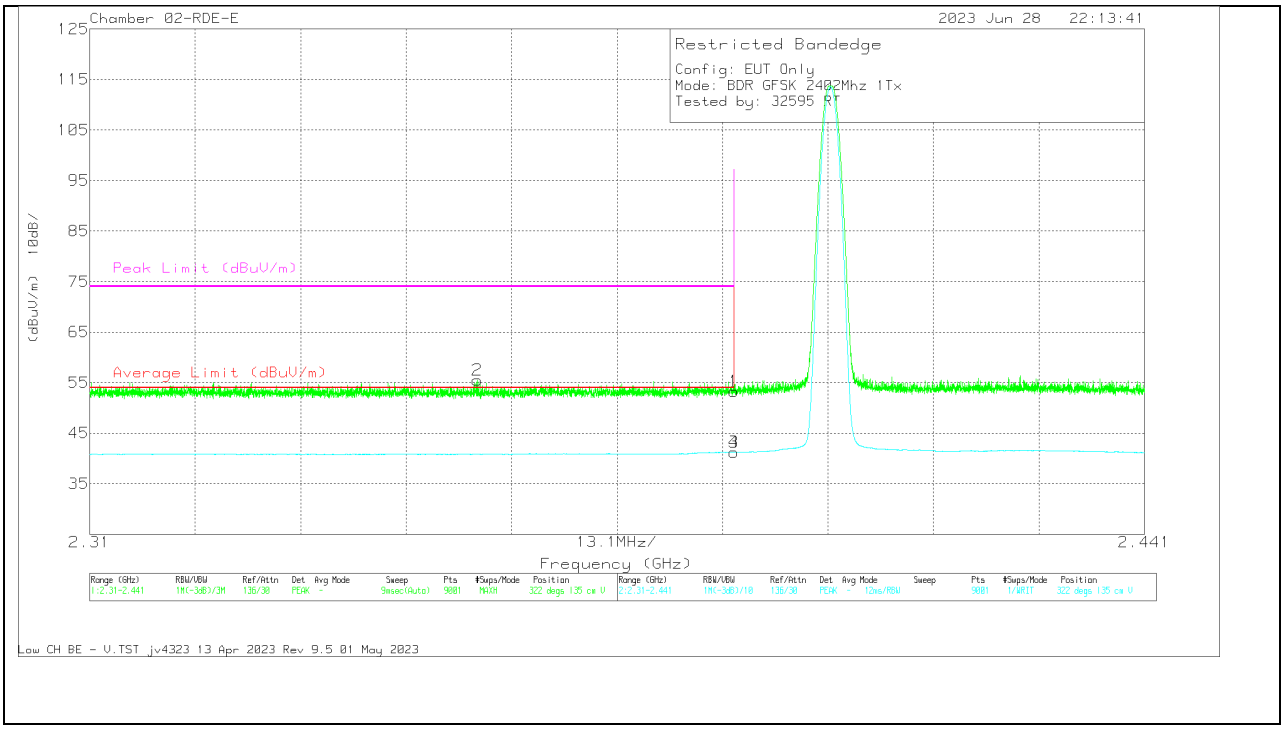
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	60.25	Pk	32.3	0	-39.27	53.28	-	-	74	-20.72	322	135	V
2	* 2.358137	62.75	Pk	32.1	0	-39.3	55.55	-	-	74	-18.45	322	135	V
3	* 2.39	48.22	VA1T	32.3	0	-39.27	41.25	54	-12.75	-	-	322	135	V
4	* 2.39	48.22	VA1T	32.3	0	-39.27	41.25	54	-12.75	-	-	322	135	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

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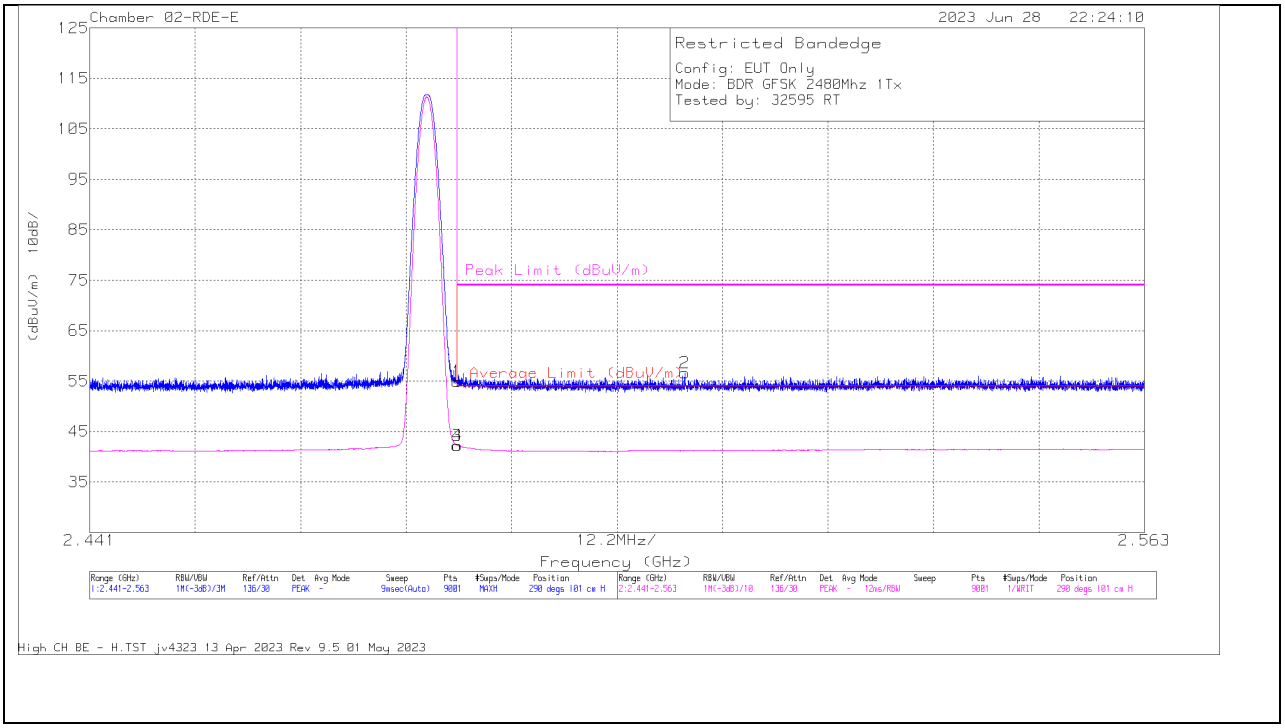
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	61.8	Pk	32.3	0	-39.16	54.94	-	-	74	-19.06	290	101	H
3	* 2.4835	49.13	VA1T	32.3	0	-39.16	42.27	54	-11.73	-	-	290	101	H
4	* 2.483512	49.12	VA1T	32.3	0	-39.15	42.27	54	-11.73	-	-	290	101	H
2	2.509824	63.36	Pk	32.4	0	-39.15	56.61	-	-	74	-17.39	290	101	H

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

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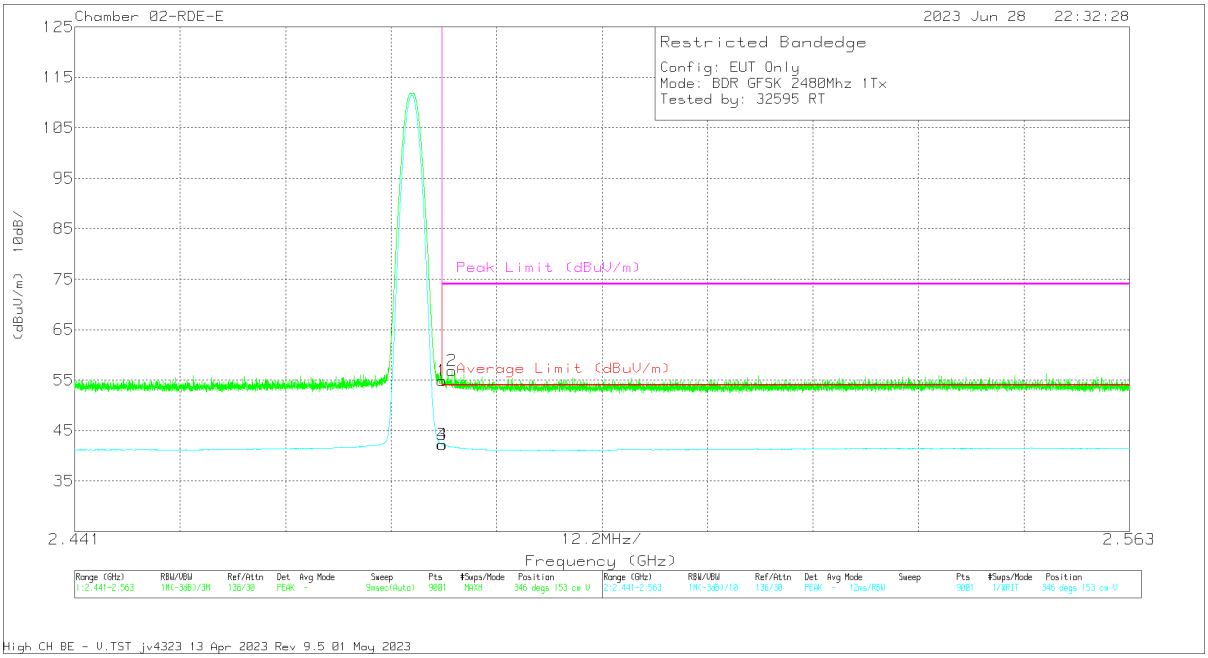
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	61.71	Pk	32.3	0	-39.16	54.85	-	-	74	-19.15	346	153	V
2	* 2.48461	63.7	Pk	32.3	0	-39.14	56.86	-	-	74	-17.14	346	153	V
3	* 2.4835	49.11	VA1T	32.3	0	-39.16	42.25	54	-11.75	-	-	346	153	V
4	* 2.483512	49.1	VA1T	32.3	0	-39.15	42.25	54	-11.75	-	-	346	153	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

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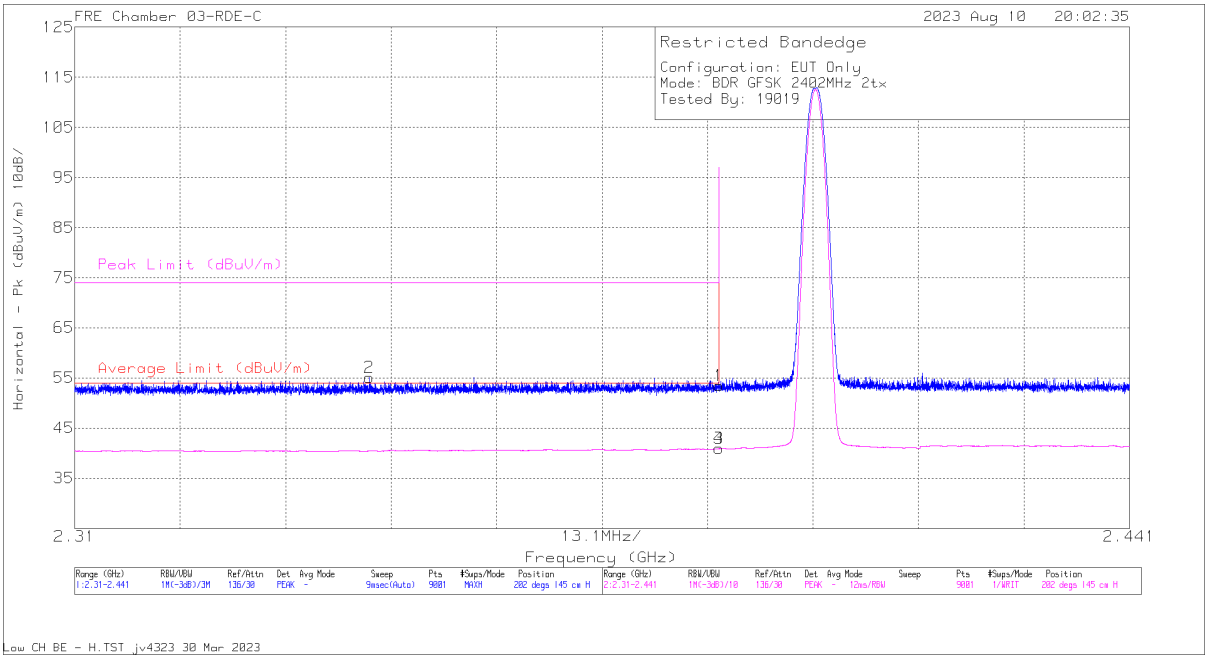
10.1.2. HIGH POWER BASIC DATA RATE TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	Gain/Loss (dB)	CorrectedReading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.14	Pk	32.1	-39.8	53.44	-	-	74	-20.56	202	145	H
2	* 2.346594	63.15	Pk	31.9	-39.94	55.11	-	-	74	-18.89	202	145	H
3	* 2.39	48.61	VA1T	32.1	-39.8	40.91	54	-13.09	-	-	202	145	H
4	* 2.39	48.61	VA1T	32.1	-39.8	40.91	54	-13.09	-	-	202	145	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

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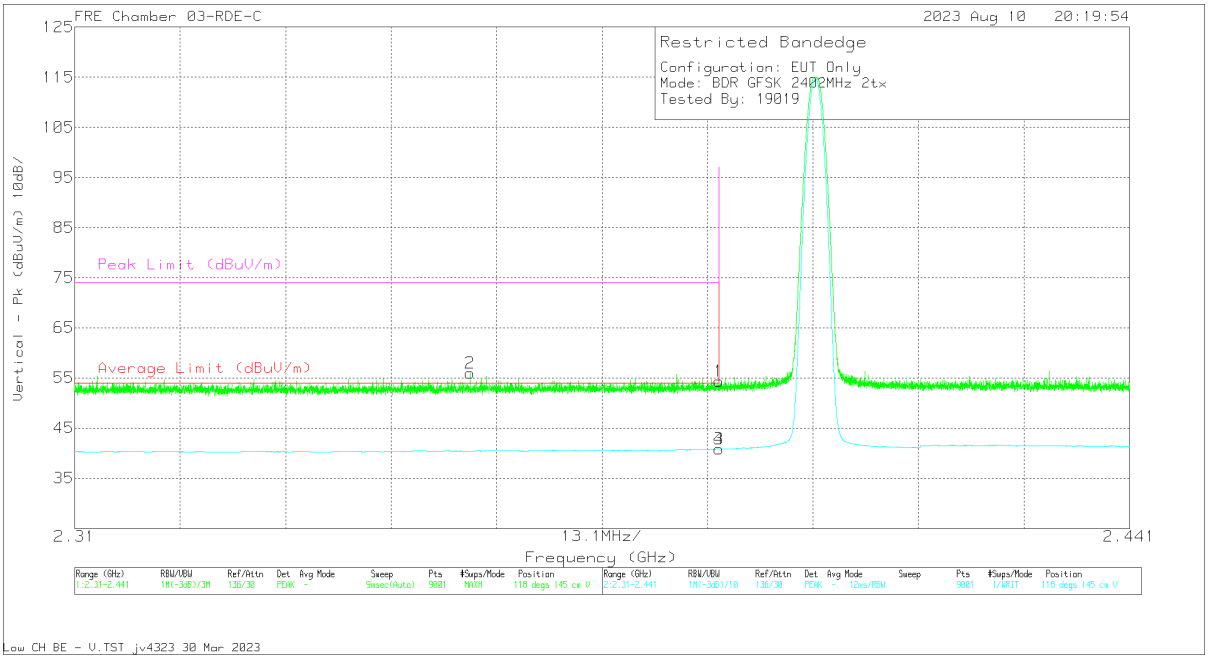
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 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	62.01	Pk	32.1	-39.8	54.31	-	-	74	-19.69	118	145	V
2	* 2.359097	63.99	Pk	32	-39.99	56	-	-	74	-18	118	145	V
3	* 2.39	48.58	VA1T	32.1	-39.8	40.88	54	-13.12	-	-	118	145	V
4	* 2.39	48.58	VA1T	32.1	-39.8	40.88	54	-13.12	-	-	118	145	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

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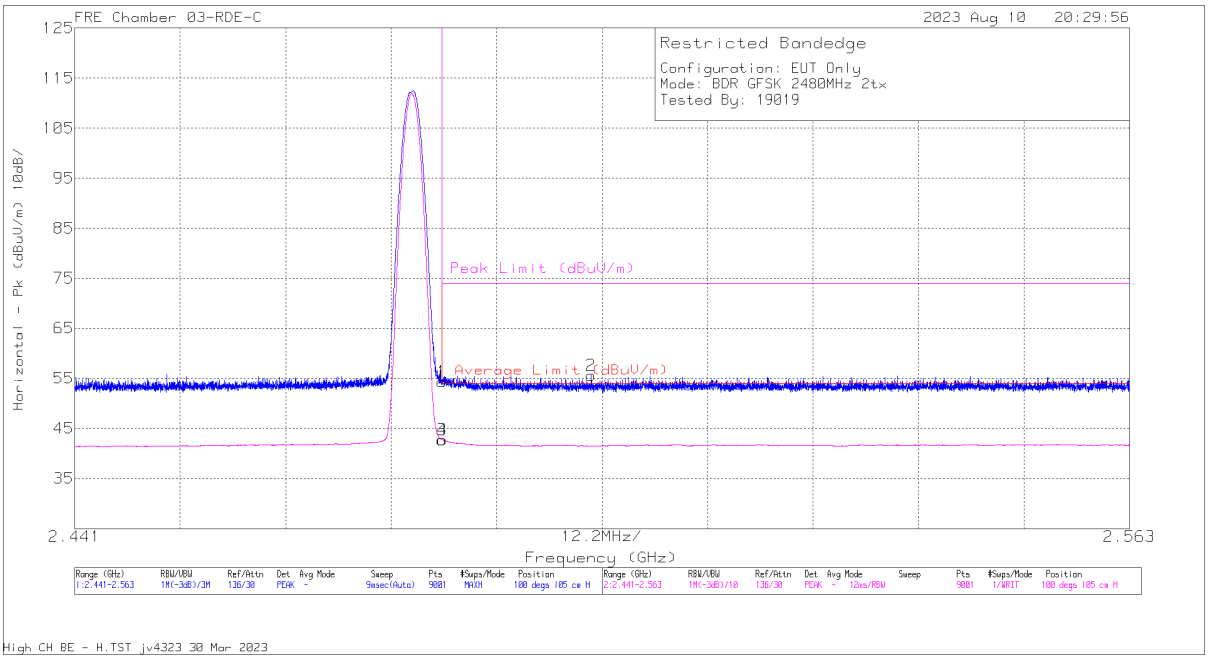
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 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	61.72	Pk	32.2	-39.6	54.32	-	-	74	-19.68	100	105	H
3	* 2.4835	50.12	VA1T	32.2	-39.6	42.72	54	-11.28	-	-	100	105	H
4	* 2.483512	50.11	VA1T	32.2	-39.6	42.71	54	-11.29	-	-	100	105	H
2	2.500714	62.99	Pk	32.3	-39.7	55.59	-	-	74	-18.41	100	105	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

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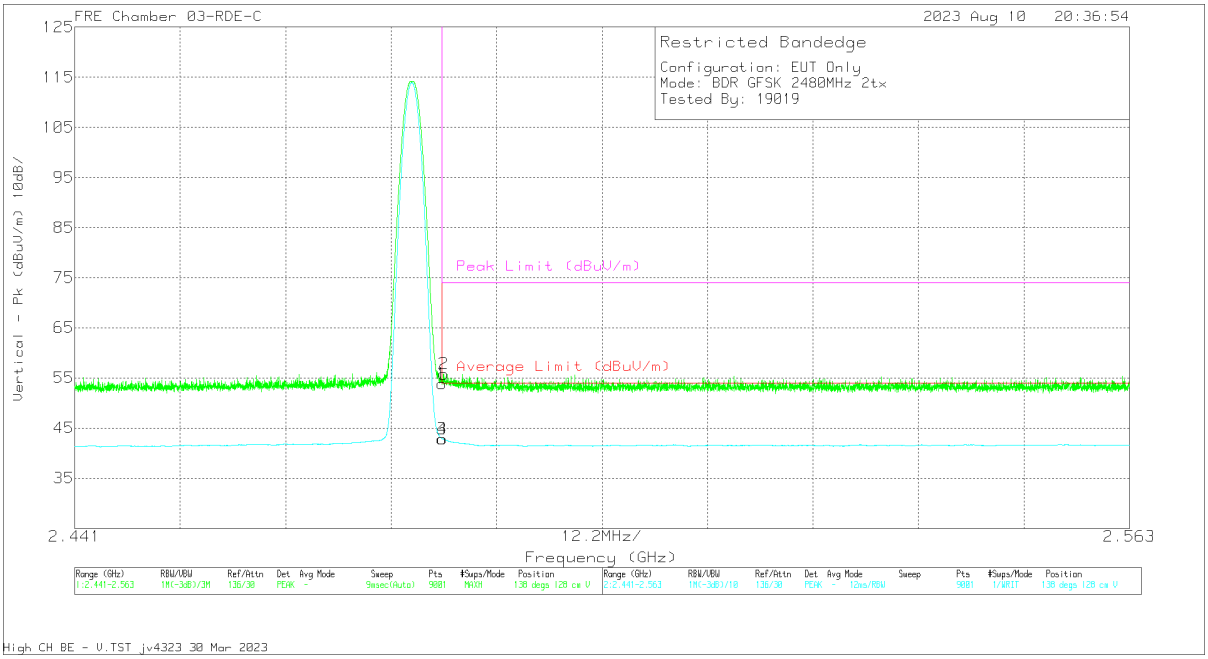
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 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	-39.6	53.83	-	-	74	-20.17	138	128	V
2	* 2.483688	63.19	Pk	32.2	-39.6	55.79	-	-	74	-18.21	138	128	V
3	* 2.4835	50.26	VA1T	32.2	-39.6	42.86	54	-11.14	-	-	138	128	V
4	* 2.483512	50.26	VA1T	32.2	-39.6	42.86	54	-11.14	-	-	138	128	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

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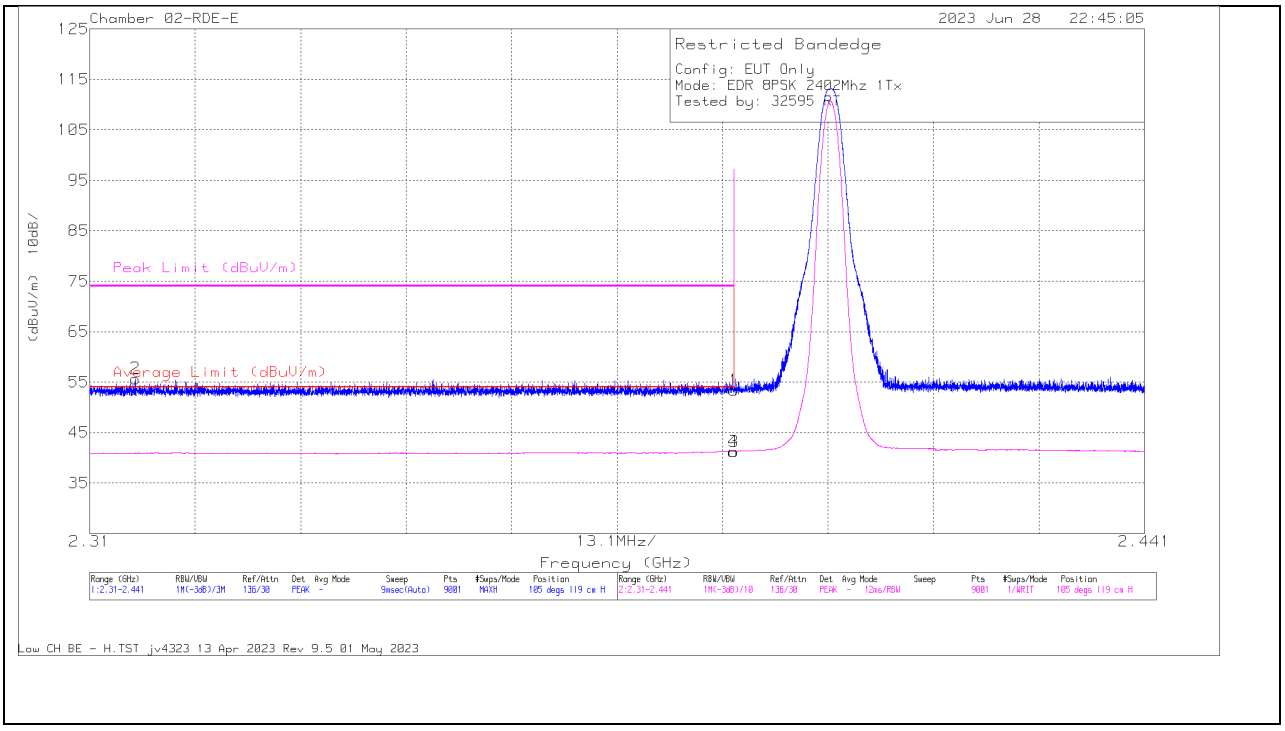
10.1.3. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	60.4	Pk	32.3	0	-39.27	53.43	-	-	74	-20.57	105	119	H
2	* 2.315691	62.93	Pk	32.1	0	-39.34	55.69	-	-	74	-18.31	105	119	H
3	* 2.39	48.21	VA1T	32.3	0	-39.27	41.24	54	-12.76	-	-	105	119	H
4	* 2.389898	48.24	VA1T	32.3	0	-39.27	41.27	54	-12.73	-	-	105	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

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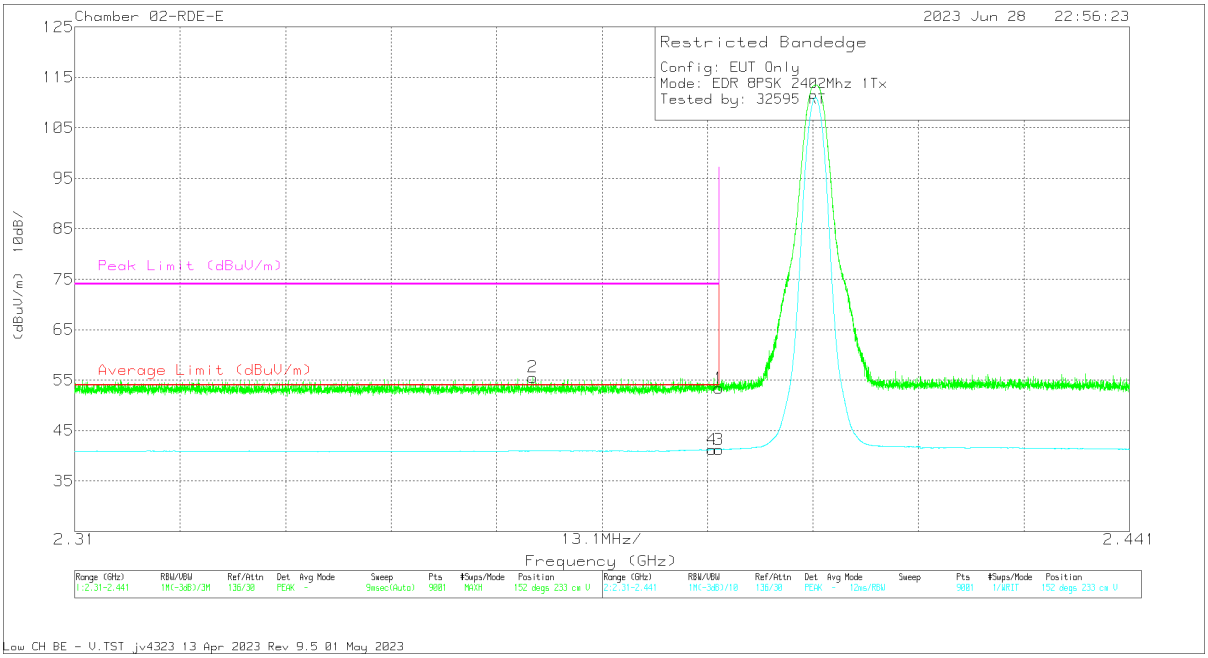
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	60.36	Pk	32.3	0	-39.27	53.39	-	-	74	-20.61	152	233	V
2	* 2.366929	62.68	Pk	32.2	0	-39.31	55.57	-	-	74	-18.43	152	233	V
3	* 2.39	48.21	VA1T	32.3	0	-39.27	41.24	54	-12.76	-	-	152	233	V
4	* 2.389185	48.24	VA1T	32.3	0	-39.28	41.26	54	-12.74	-	-	152	233	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

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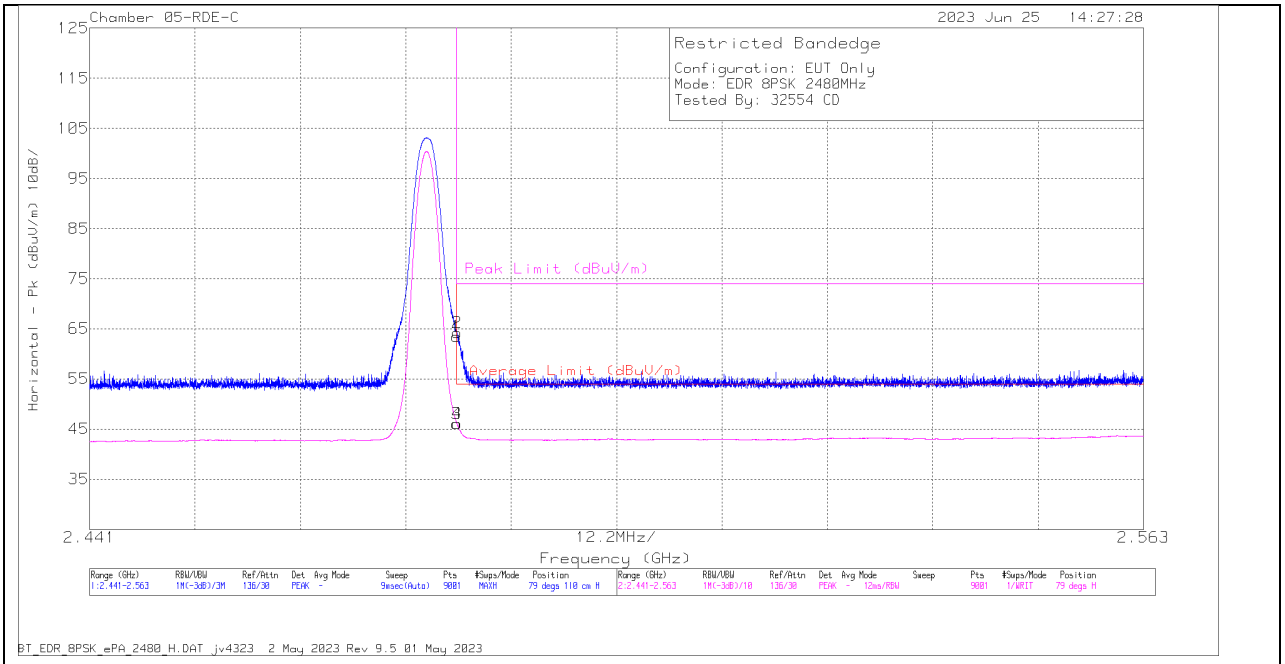
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 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	71.45	Pk	32.4	-40.35	63.5	-	-	74	-10.5	79	110	H
3	2.4835	54.09	VA1T	32.4	-40.35	46.14	54	-7.86	-	-	79	110	H
2	2.483512	72.14	Pk	32.4	-40.35	64.19	-	-	74	-9.81	79	110	H
4	2.483512	54.05	VA1T	32.4	-40.35	46.1	54	-7.9	-	-	79	110	H

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

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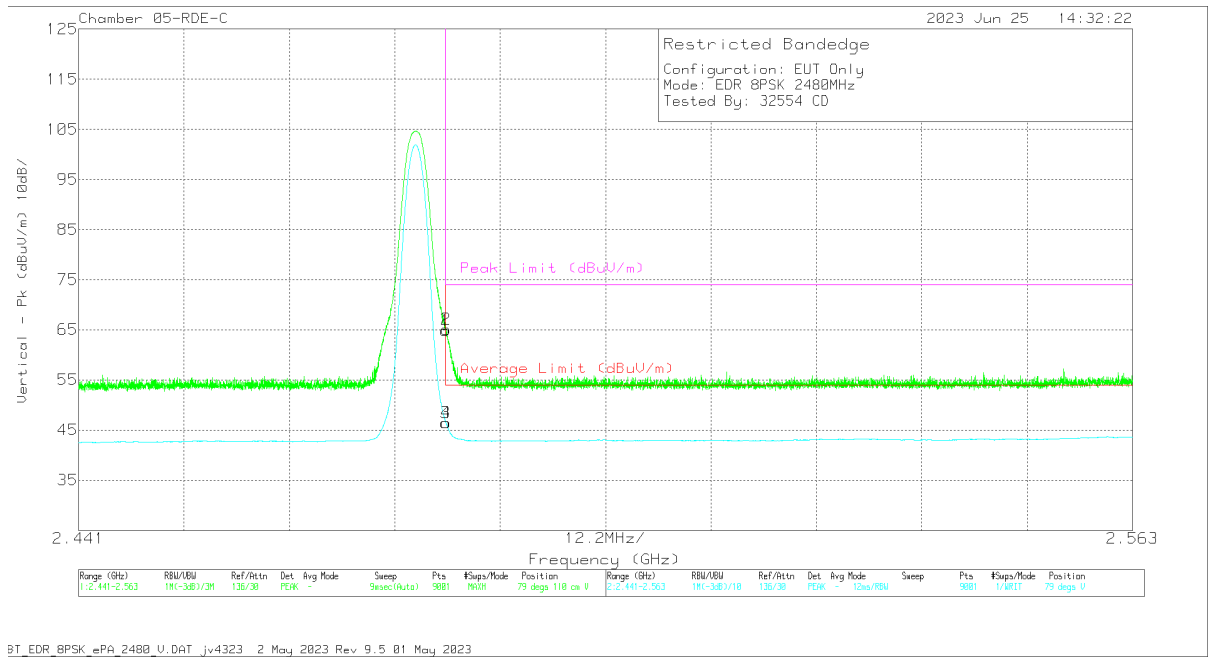
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 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	72.77	Pk	32.4	-40.35	64.82	-	-	74	-9.18	79	110	V
3	2.4835	54.47	VA1T	32.4	-40.35	46.52	54	-7.48	-	-	79	110	V
4	2.483512	54.43	VA1T	32.4	-40.35	46.48	54	-7.52	-	-	79	110	V
2	2.483552	73.08	Pk	32.4	-40.35	65.13	-	-	74	-8.87	79	110	V

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

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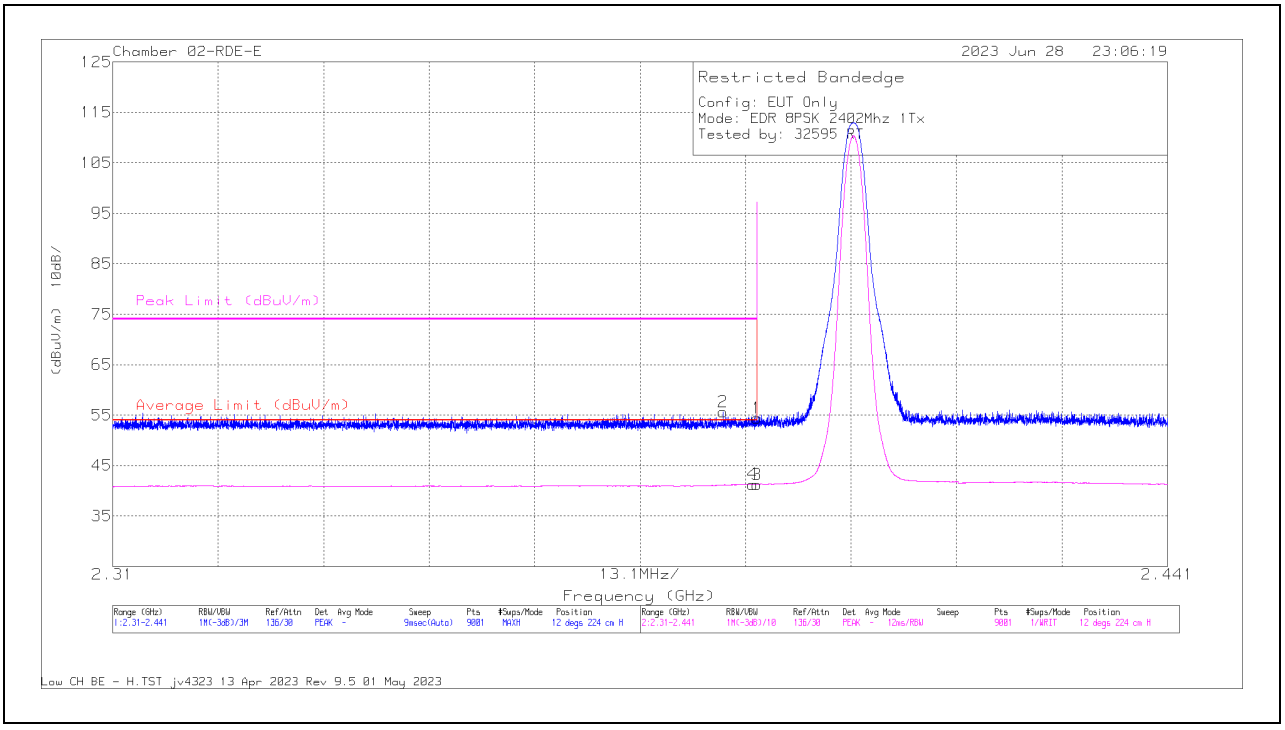
ANT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	61.36	Pk	32.3	0	-39.27	54.39	-	-	74	-19.61	12	224	H
2	* 2.385793	62.65	Pk	32.3	0	-39.29	55.66	-	-	74	-18.34	12	224	H
3	* 2.39	48.21	VA1T	32.3	0	-39.27	41.24	54	-12.76	-	-	12	224	H
4	* 2.389505	48.26	VA1T	32.3	0	-39.27	41.29	54	-12.71	-	-	12	224	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

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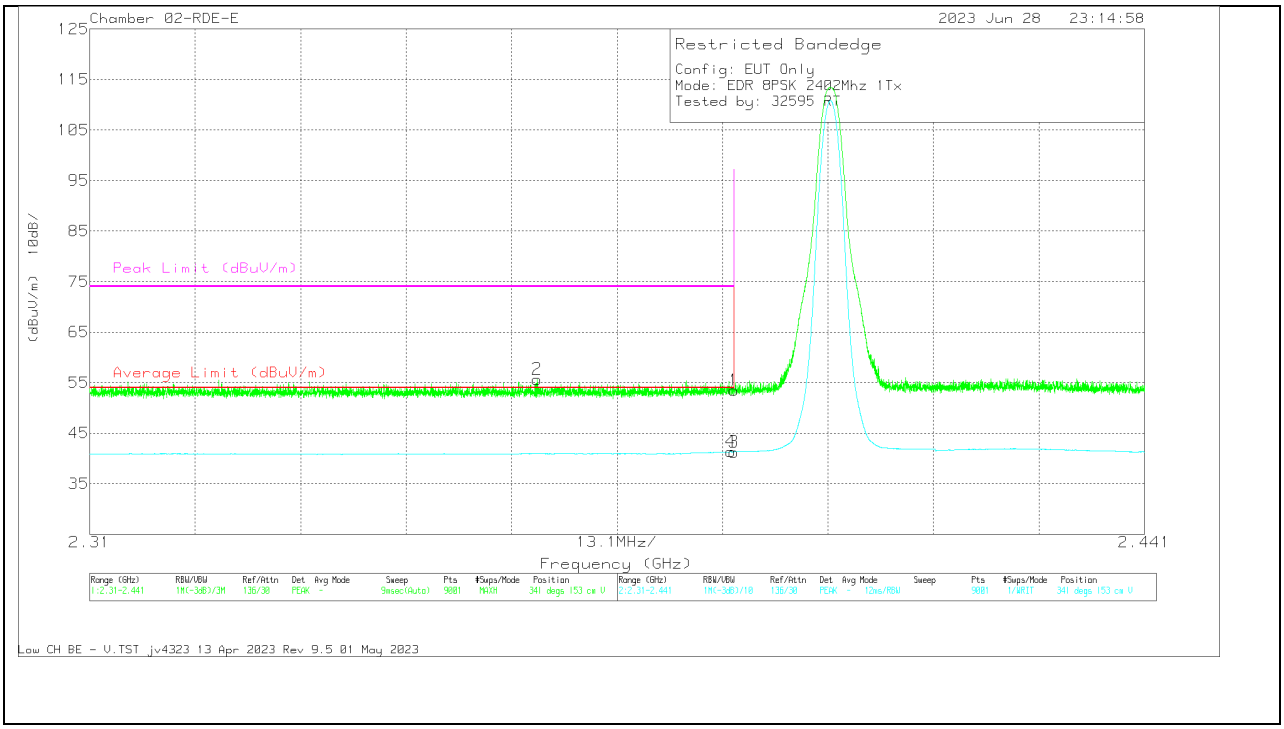
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	60.48	Pk	32.3	0	-39.27	53.51	-	-	74	-20.49	341	153	V
2	* 2.365589	62.8	Pk	32.2	0	-39.31	55.69	-	-	74	-18.31	341	153	V
3	* 2.39	48.26	VA1T	32.3	0	-39.27	41.29	54	-12.71	-	-	341	153	V
4	* 2.389607	48.3	VA1T	32.3	0	-39.27	41.33	54	-12.67	-	-	341	153	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

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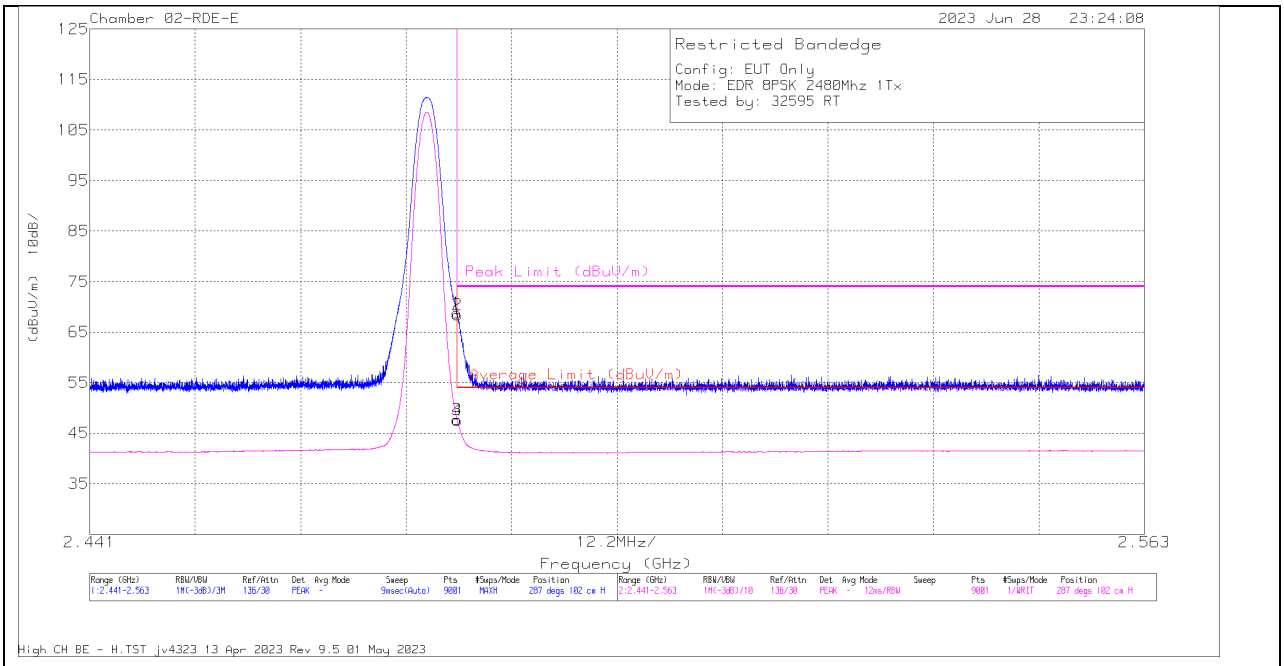
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	75.61	Pk	32.3	0	-39.16	68.75	-	-	74	-5.25	287	102	H
2	* 2.483512	75.24	Pk	32.3	0	-39.15	68.39	-	-	74	-5.61	287	102	H
3	* 2.4835	54.5	VA1T	32.3	0	-39.16	47.64	54	-6.36	-	-	287	102	H
4	* 2.483512	54.45	VA1T	32.3	0	-39.15	47.6	54	-6.4	-	-	287	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

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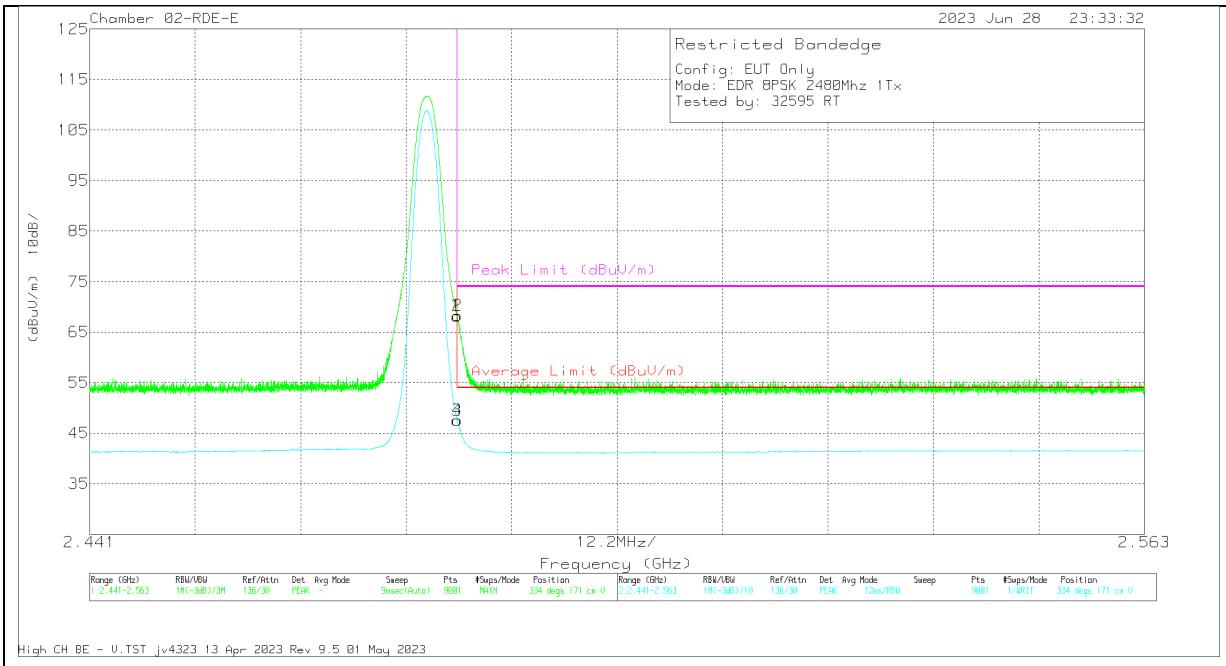
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	75.04	Pk	32.3	0	-39.16	68.18	-	-	74	-5.82	334	171	V
2	* 2.483539	75.14	Pk	32.3	0	-39.15	68.29	-	-	74	-5.71	334	171	V
3	* 2.4835	54.43	VA1T	32.3	0	-39.16	47.57	54	-6.43	-	-	334	171	V
4	* 2.483512	54.37	VA1T	32.3	0	-39.15	47.52	54	-6.48	-	-	334	171	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

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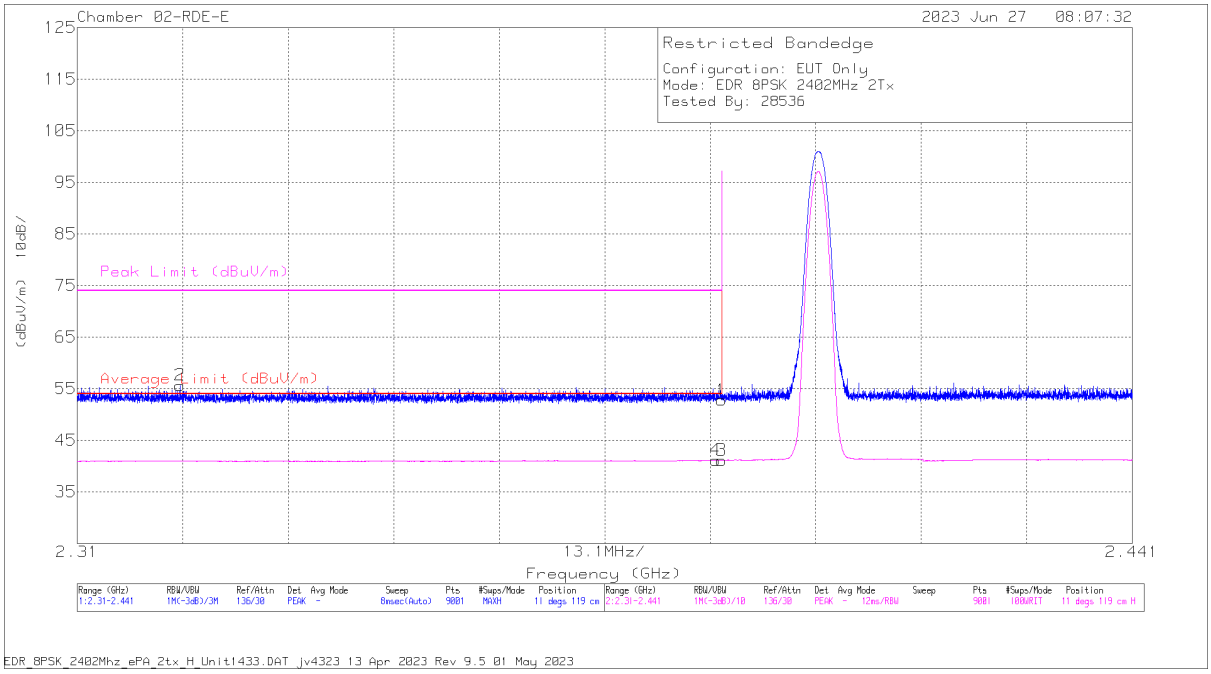
10.1.4. HIGH POWER ENHANCED DATA RATE TXBF 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	59.77	Pk	32.3	-39.27	52.8	-	-	74	-21.2	11	119	H
2	* 2.322751	62.88	Pk	32.1	-39.31	55.67	-	-	74	-18.33	11	119	H
3	* 2.39	48.1	VA1T	32.3	-39.27	41.13	54	-12.87	-	-	11	119	H
4	* 2.389243	48.14	VA1T	32.3	-39.28	41.16	54	-12.84	-	-	11	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

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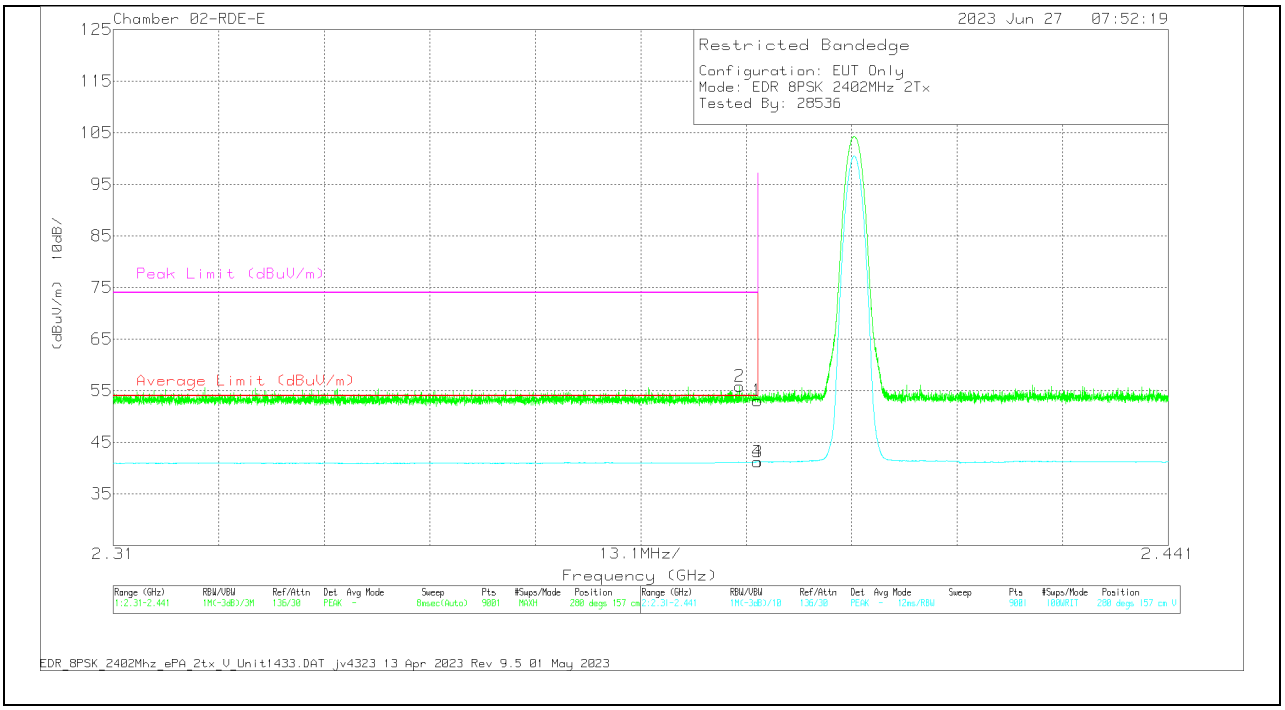
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	60.06	Pk	32.3	-39.27	53.09	-	-	74	-20.91	280	157	V
2	* 2.387758	62.86	Pk	32.3	-39.28	55.88	-	-	74	-18.12	280	157	V
3	* 2.39	48.18	VA1T	32.3	-39.27	41.21	54	-12.79	-	-	280	157	V
4	* 2.389956	48.19	VA1T	32.3	-39.27	41.22	54	-12.78	-	-	280	157	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

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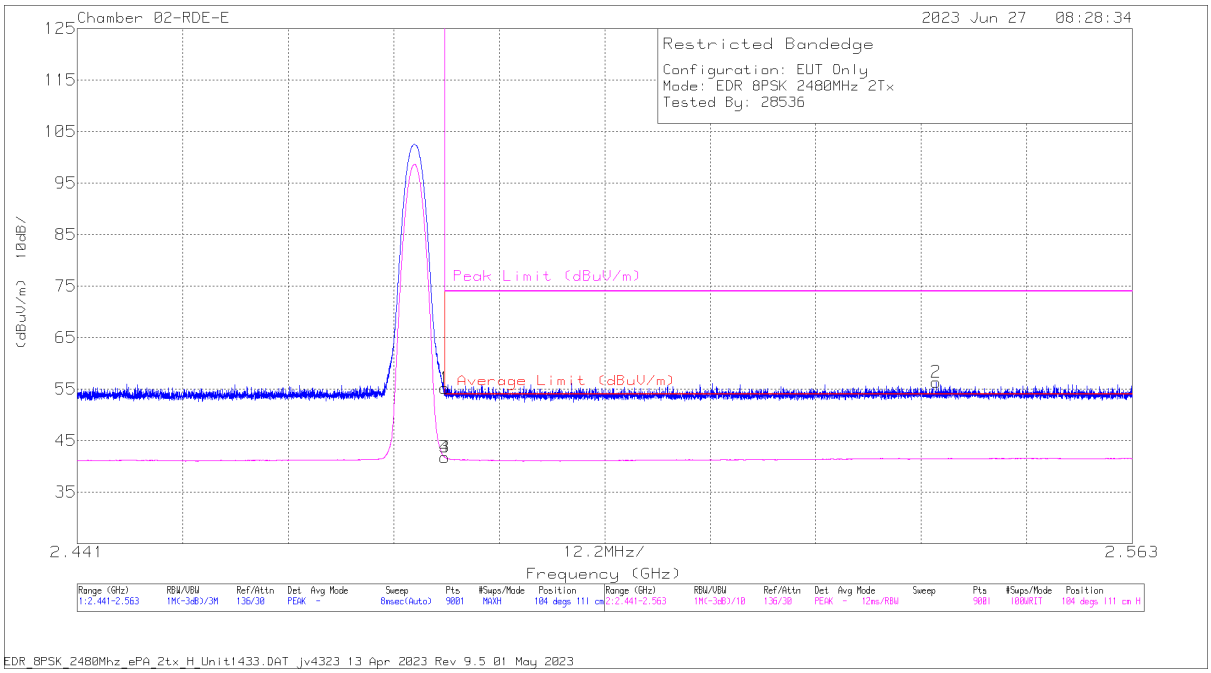
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	62.06	Pk	32.3	-39.16	55.2	-	-	74	-18.8	104	111	H
3	* 2.4835	48.64	VA1T	32.3	-39.16	41.78	54	-12.22	-	-	104	111	H
4	* 2.483512	48.63	VA1T	32.3	-39.15	41.78	54	-12.22	-	-	104	111	H
2	2.540298	62.89	Pk	32.5	-39.02	56.37	-	-	74	-17.63	104	111	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

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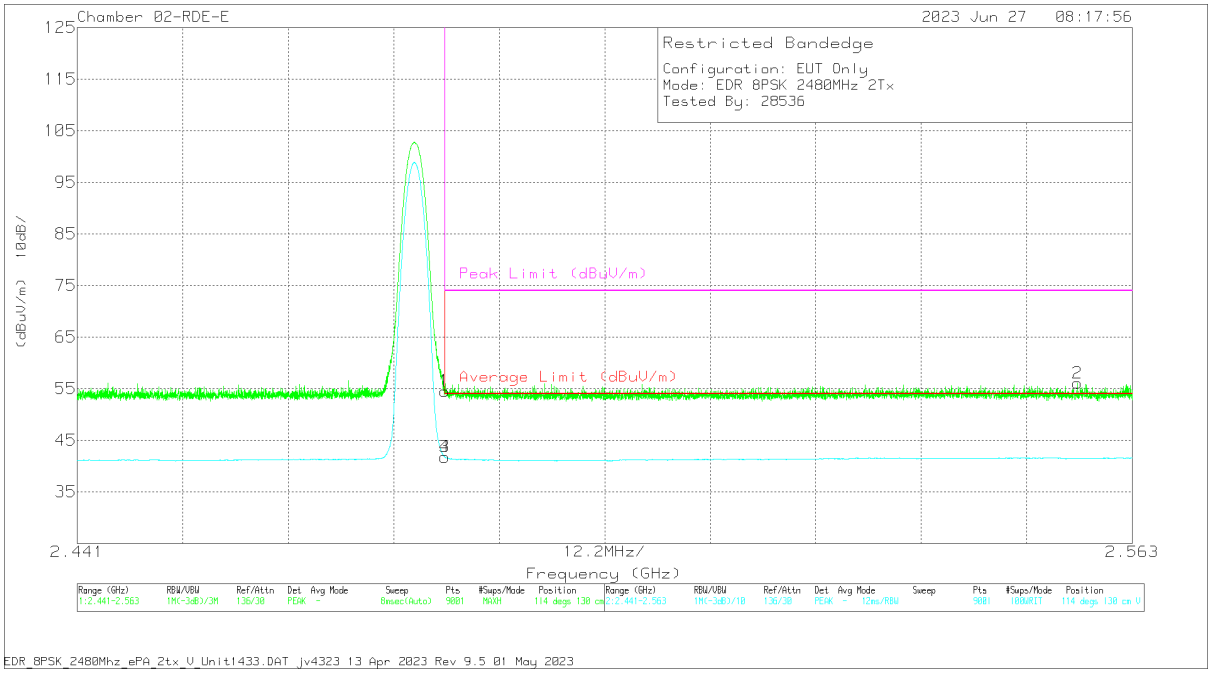
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	61.41	Pk	32.3	-39.16	54.55	-	-	74	-19.45	114	130	V
3	* 2.4835	48.65	VA1T	32.3	-39.16	41.79	54	-12.21	-	-	114	130	V
4	* 2.483512	48.64	VA1T	32.3	-39.15	41.79	54	-12.21	-	-	114	130	V
2	2.556646	62.72	Pk	32.4	-39.03	56.09	-	-	74	-17.91	114	130	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

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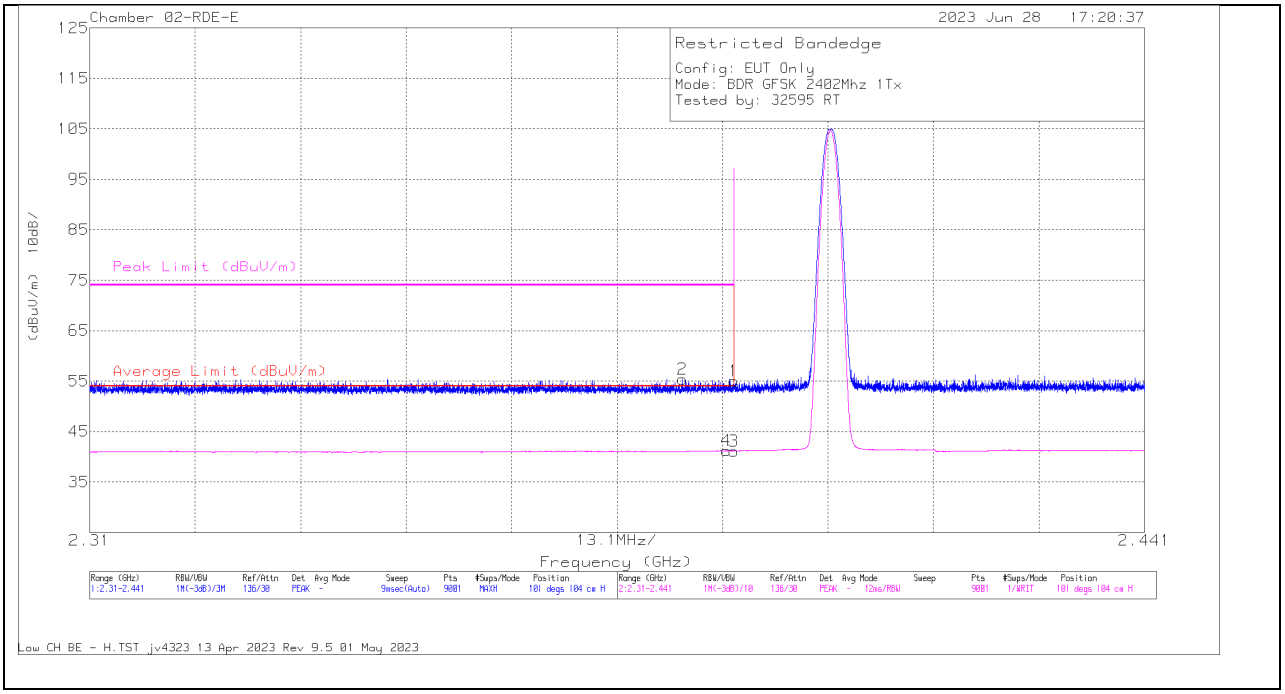
10.1.5. LOW POWER BASIC DATA RATE GFSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	61.98	Pk	32.3	0	-39.27	55.01	-	-	74	-18.99	101	104	H
2	* 2.383595	62.45	Pk	32.2	0	-39.28	55.37	-	-	74	-18.63	101	104	H
3	* 2.39	48.11	VA1T	32.3	0	-39.27	41.14	54	-12.86	-	-	101	104	H
4	* 2.389097	48.18	VA1T	32.3	0	-39.28	41.2	54	-12.8	-	-	101	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

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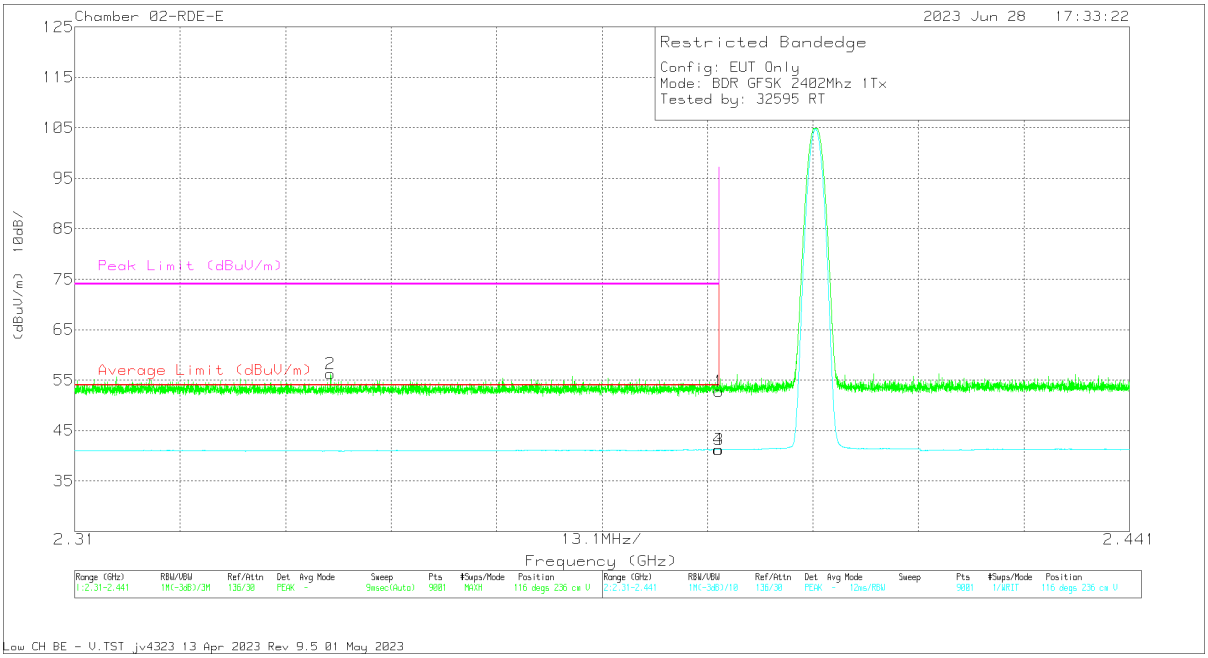
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	59.71	Pk	32.3	0	-39.27	52.74	-	-	74	-21.26	116	236	V
2	* 2.341776	63.44	Pk	32.1	0	-39.32	56.22	-	-	74	-17.78	116	236	V
3	* 2.39	48.2	VA1T	32.3	0	-39.27	41.23	54	-12.77	-	-	116	236	V
4	* 2.389956	48.21	VA1T	32.3	0	-39.27	41.24	54	-12.76	-	-	116	236	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

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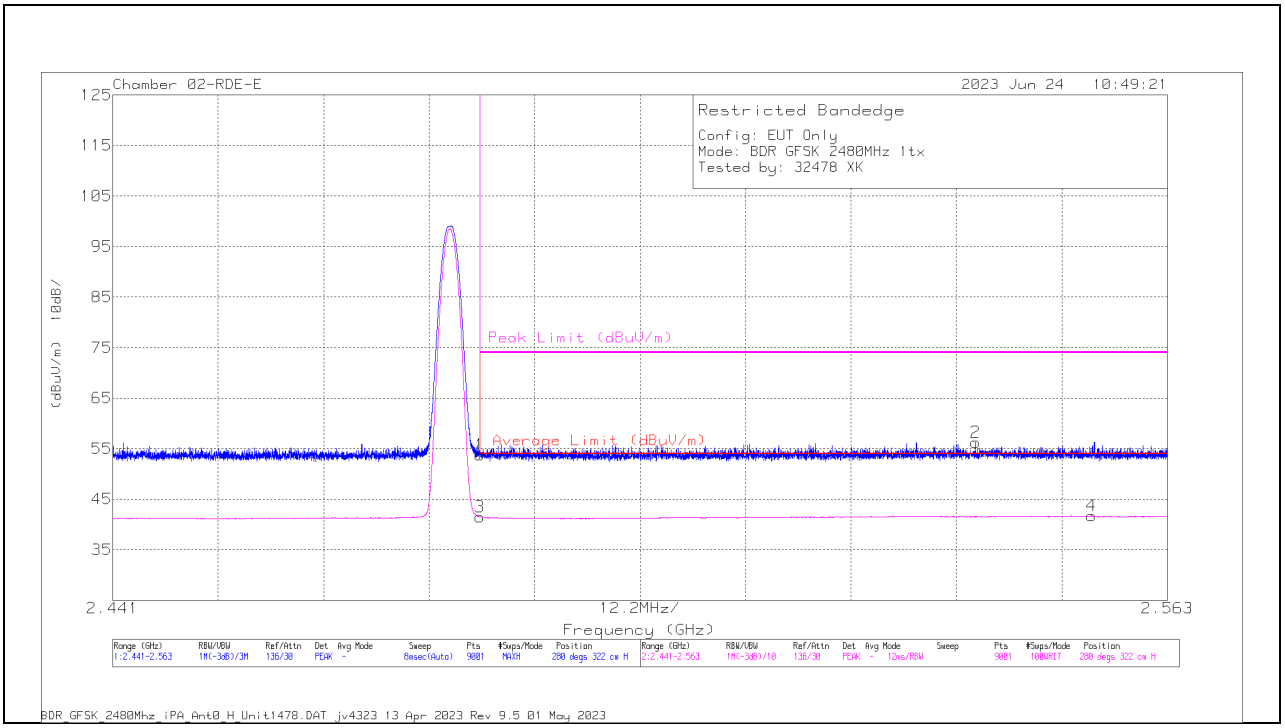
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	60.65	Pk	32.3	-39.16	53.79	-	-	74	-20.21	280	322	H
3	* 2.4835	48.37	VA1T	32.3	-39.16	41.51	54	-12.49	-	-	280	322	H
2	2.540826	62.8	Pk	32.5	-39.01	56.29	-	-	74	-17.71	280	322	H
4	2.554247	48.21	VA1T	32.5	-39.02	41.69	54	-12.31	-	-	280	322	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

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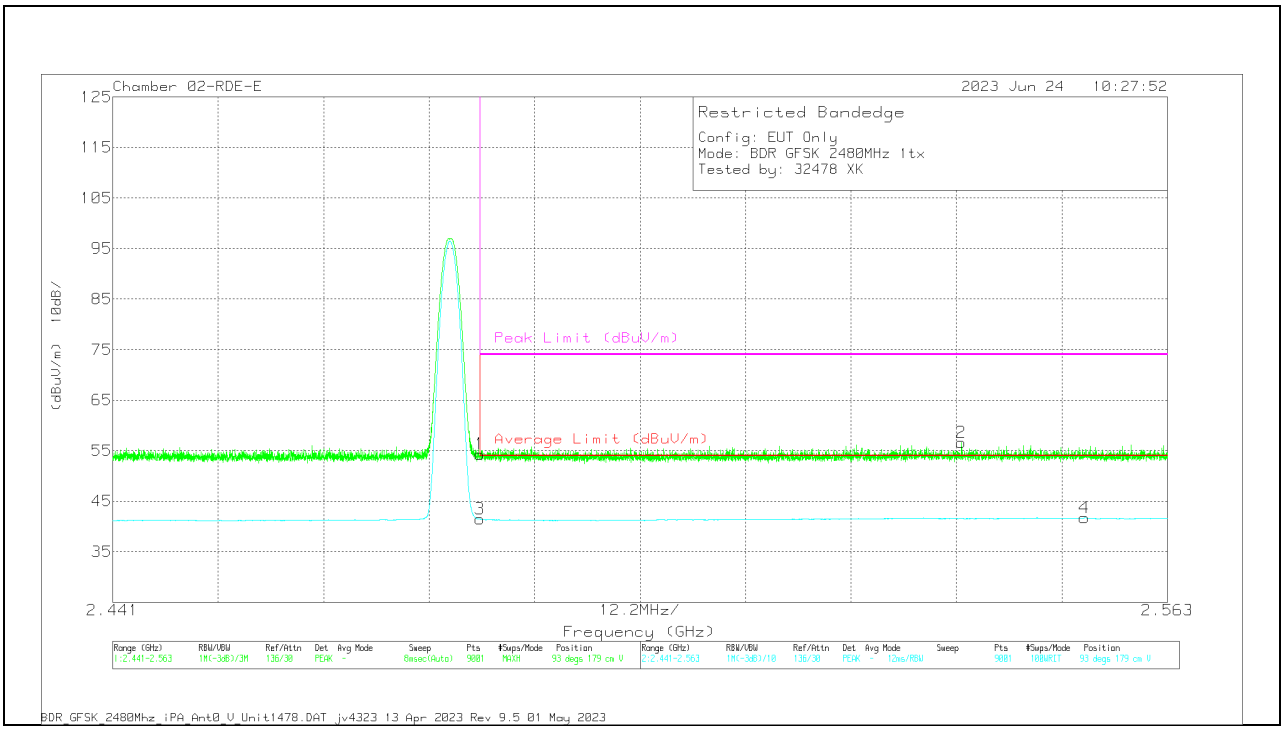
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	61.19	Pk	32.3	-39.16	54.33	-	-	74	-19.67	93	179	V
3	* 2.4835	48.28	VA1T	32.3	-39.16	41.42	54	-12.58	-	-	93	179	V
2	2.539159	63.18	Pk	32.5	-39.05	56.63	-	-	74	-17.37	93	179	V
4	2.553393	48.22	VA1T	32.5	-39.03	41.69	54	-12.31	-	-	93	179	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

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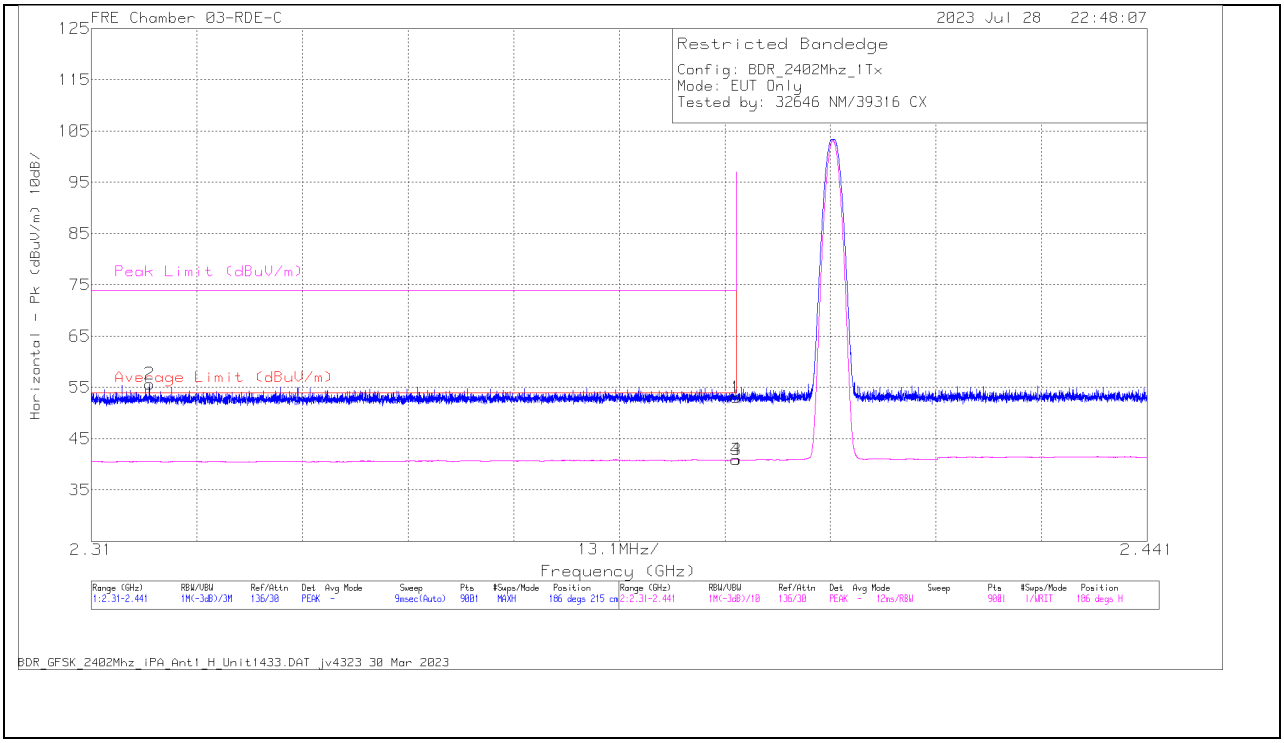
ANT 3

BANDEDGE (LOW 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	* 2.39	60.75	Pk	32.1	0	-39.8	53.05	-	-	74	-20.95	186	215	H
2	* 2.317249	63.78	Pk	31.8	0	-39.9	55.68	-	-	74	-18.32	186	215	H
3	* 2.39	48.62	VA1T	32.1	0	-39.8	40.92	54	-13.08	-	-	186	215	H
4	* 2.389942	48.65	VA1T	32.1	0	-39.81	40.94	54	-13.06	-	-	186	215	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

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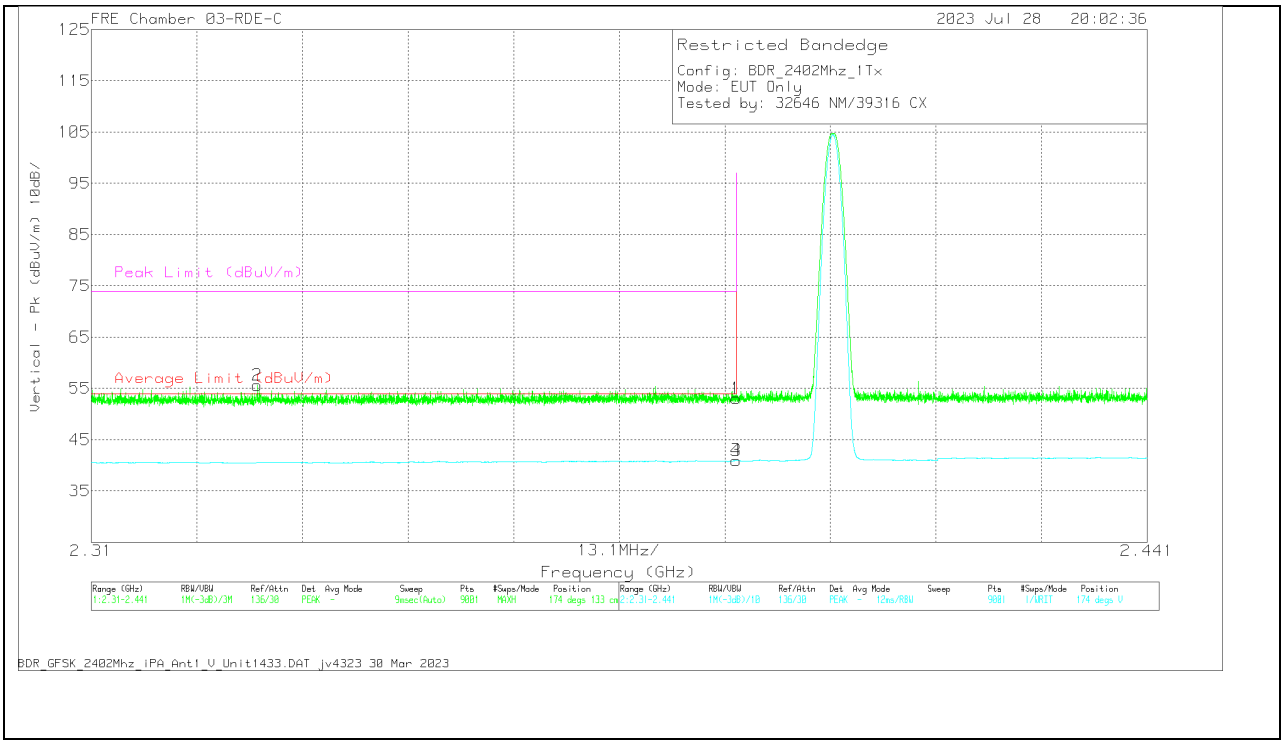
VERTICAL RESULT



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	* 2.39	60.75	Pk	32.1	0	-39.8	53.05	-	-	74	-20.95	174	133	V
2	* 2.330611	63.74	Pk	31.8	0	-39.94	55.6	-	-	74	-18.4	174	133	V
3	* 2.39	48.63	VA1T	32.1	0	-39.8	40.93	54	-13.07	-	-	174	133	V
4	* 2.39	48.63	VA1T	32.1	0	-39.8	40.93	54	-13.07	-	-	174	133	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

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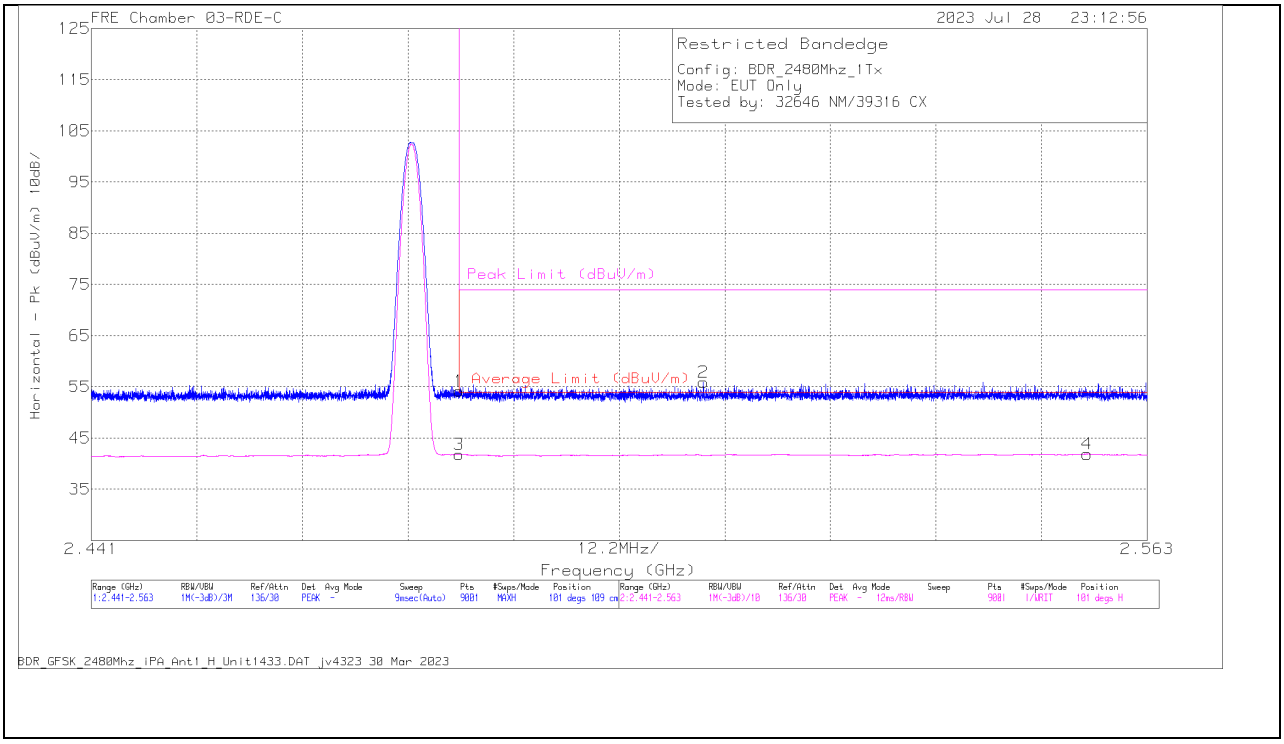
BANDEDGE (HIGH CHANNEL)

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	61.55	Pk	32.2	0	-39.6	54.15	-	-	74	-19.85	101	109	H
3	* 2.4835	49.18	VA1T	32.2	0	-39.6	41.78	54	-12.22	-	-	101	109	H
2	2.511722	63.21	Pk	32.3	0	-39.64	55.87	-	-	74	-18.13	101	109	H
4	2.55605	48.97	VA1T	32.3	0	-39.4	41.87	54	-12.13	-	-	101	109	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

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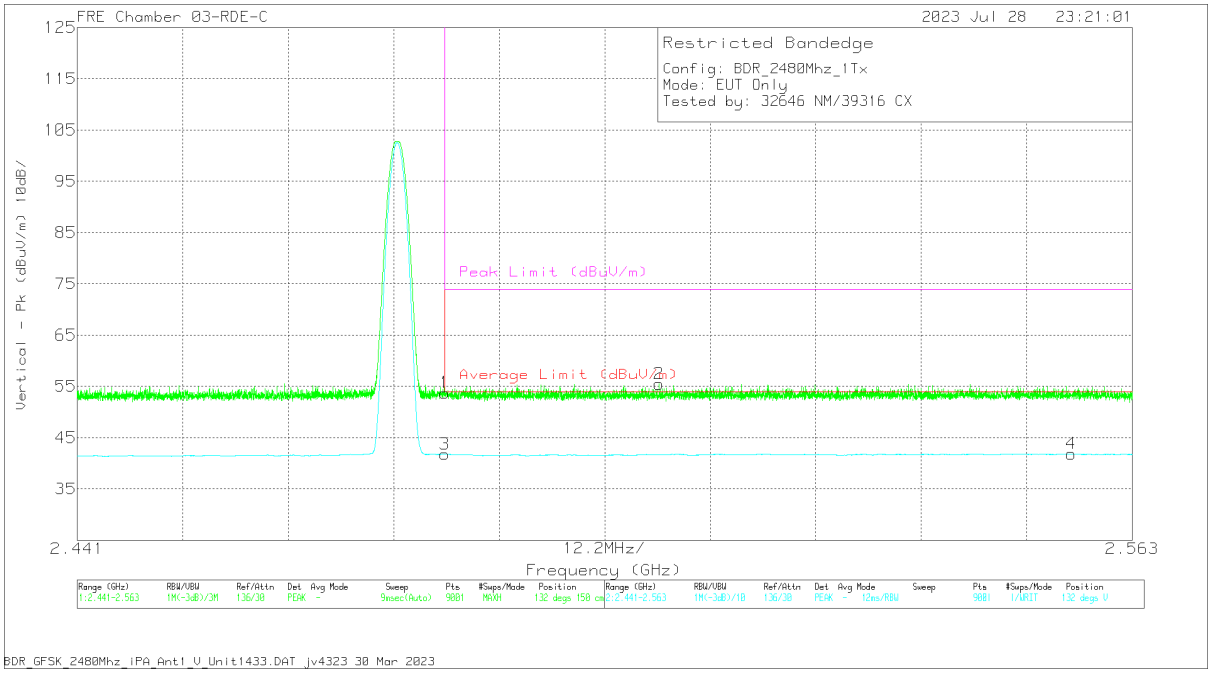
VERTICAL RESULT



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	61.15	Pk	32.2	0	-39.6	53.75	-	-	74	-20.25	132	150	V
3	* 2.4835	49.15	VA1T	32.2	0	-39.6	41.75	54	-12.25	-	-	132	150	V
2	2.508278	62.79	Pk	32.3	0	-39.6	55.49	-	-	74	-18.51	132	150	V
4	2.555928	48.95	VA1T	32.3	0	-39.4	41.85	54	-12.15	-	-	132	150	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

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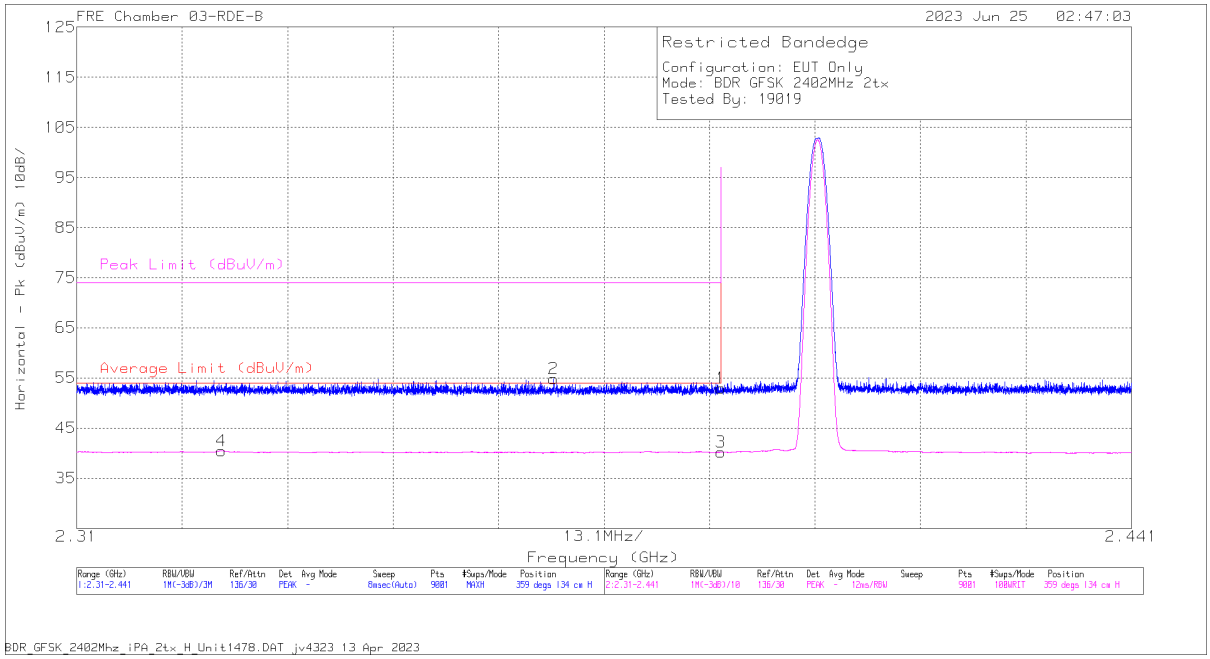
10.1.6. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

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	62	Pk	32.2	-41.2	53	-	-	74	-21	359	134	H
2	* 2.369228	63.95	Pk	32.1	-41.2	54.85	-	-	74	-19.15	359	134	H
3	* 2.39	49.19	VA1T	32.2	-41.2	40.19	54	-13.81	-	-	359	134	H
4	* 2.328006	49.57	VA1T	32.1	-41.2	40.47	54	-13.53	-	-	359	134	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

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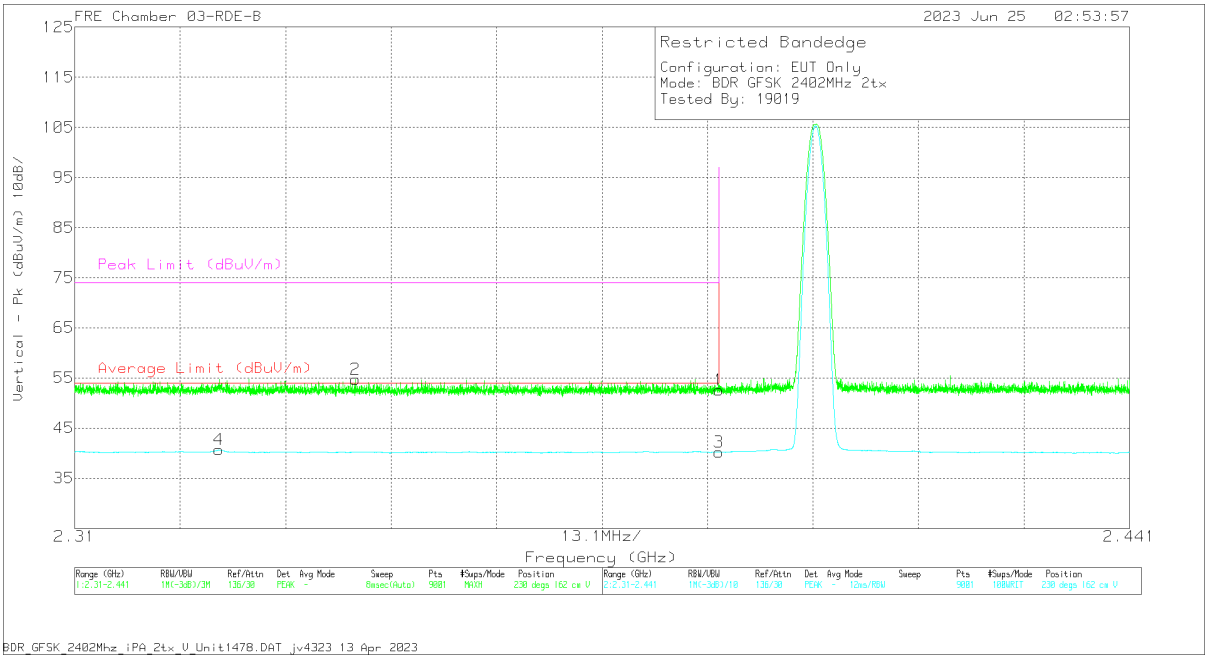
VERTICAL RESULT



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	61.54	Pk	32.2	-41.2	52.54	-	-	74	-21.46	230	162	V
2	* 2.344891	63.89	Pk	32.1	-41.21	54.78	-	-	74	-19.22	230	162	V
3	* 2.39	49.24	VA1T	32.2	-41.2	40.24	54	-13.76	-	-	230	162	V
4	* 2.327918	49.76	VA1T	32.1	-41.2	40.66	54	-13.34	-	-	230	162	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

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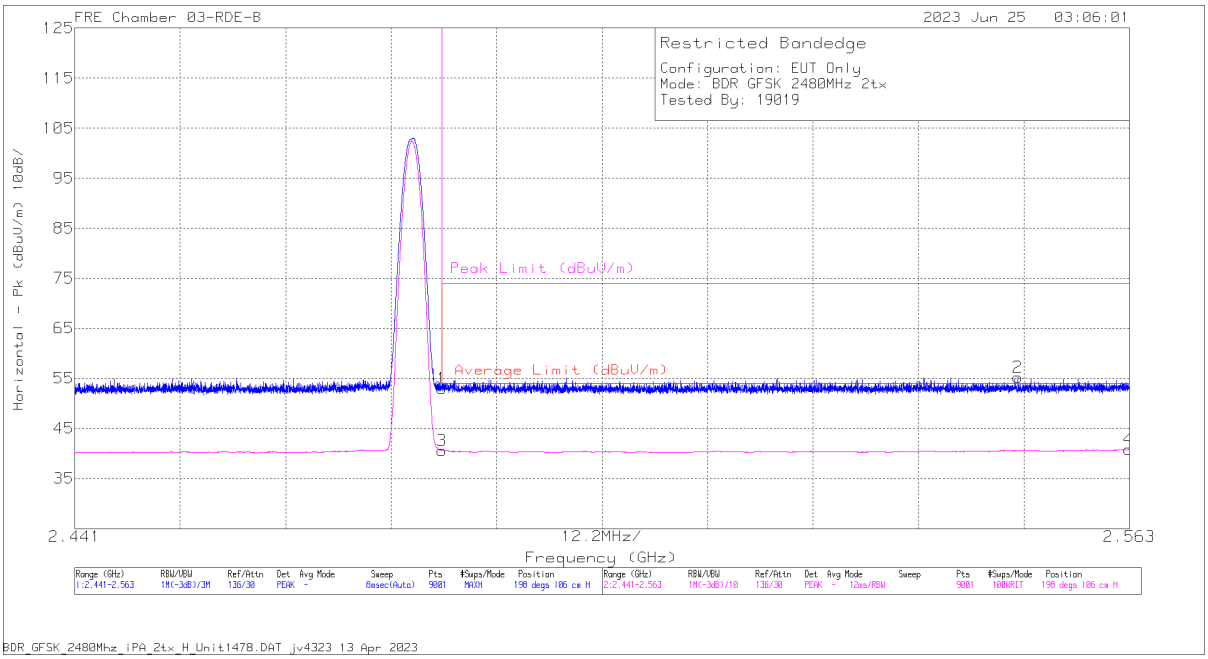
BANDEDGE (HIGH CHANNEL)

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	61.98	Pk	32.2	-41.15	53.03	-	-	74	-20.97	198	106	H
3	* 2.4835	49.56	VA1T	32.2	-41.15	40.61	54	-13.39	-	-	198	106	H
2	2.550085	63.88	Pk	32.3	-40.9	55.28	-	-	74	-18.72	198	106	H
4	2.562923	49.28	VA1T	32.3	-40.8	40.78	54	-13.22	-	-	198	106	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

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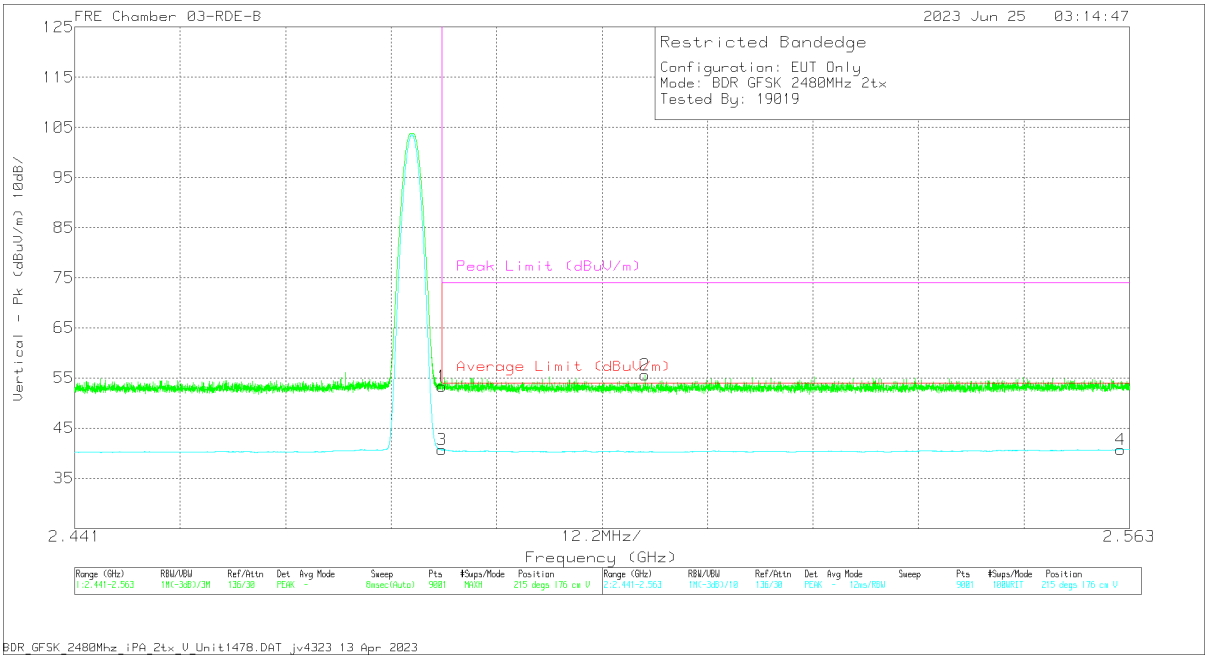
VERTICAL RESULT



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	62.35	Pk	32.2	-41.15	53.4	-	-	74	-20.6	215	176	V
3	* 2.4835	49.62	VA1T	32.2	-41.15	40.67	54	-13.33	-	-	215	176	V
2	2.506977	64.49	Pk	32.2	-41.1	55.59	-	-	74	-18.41	215	176	V
4	2.562001	49.24	VA1T	32.3	-40.8	40.74	54	-13.26	-	-	215	176	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

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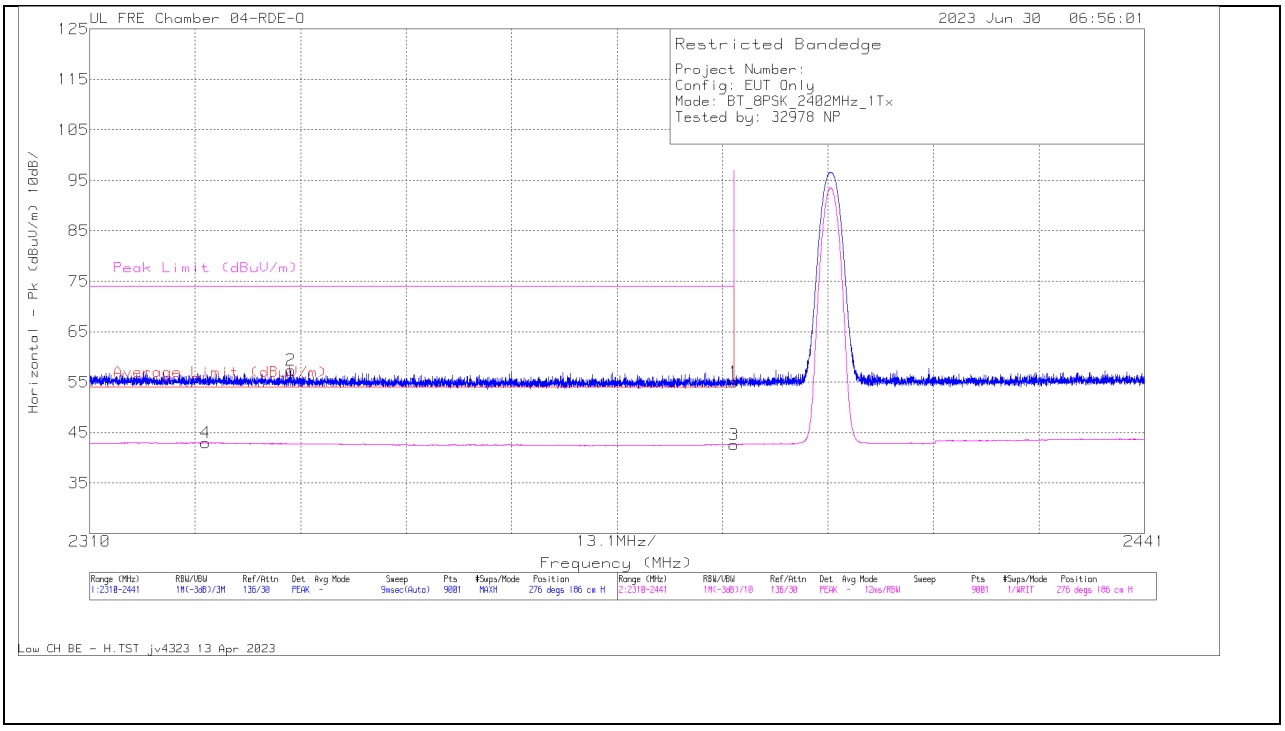
10.1.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_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
4	2324.367	47.6	VA1T	32.7	-37.32	42.98	54	-11.02	-	-	276	186	H
2	2334.949	62.08	Pk	32.6	-37.34	57.34	-	-	74	-16.66	276	186	H
1	2390	60.15	Pk	32.2	-37.35	55	-	-	74	-19	276	186	H
3	2390	47.73	VA1T	32.2	-37.35	42.58	54	-11.42	-	-	276	186	H

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

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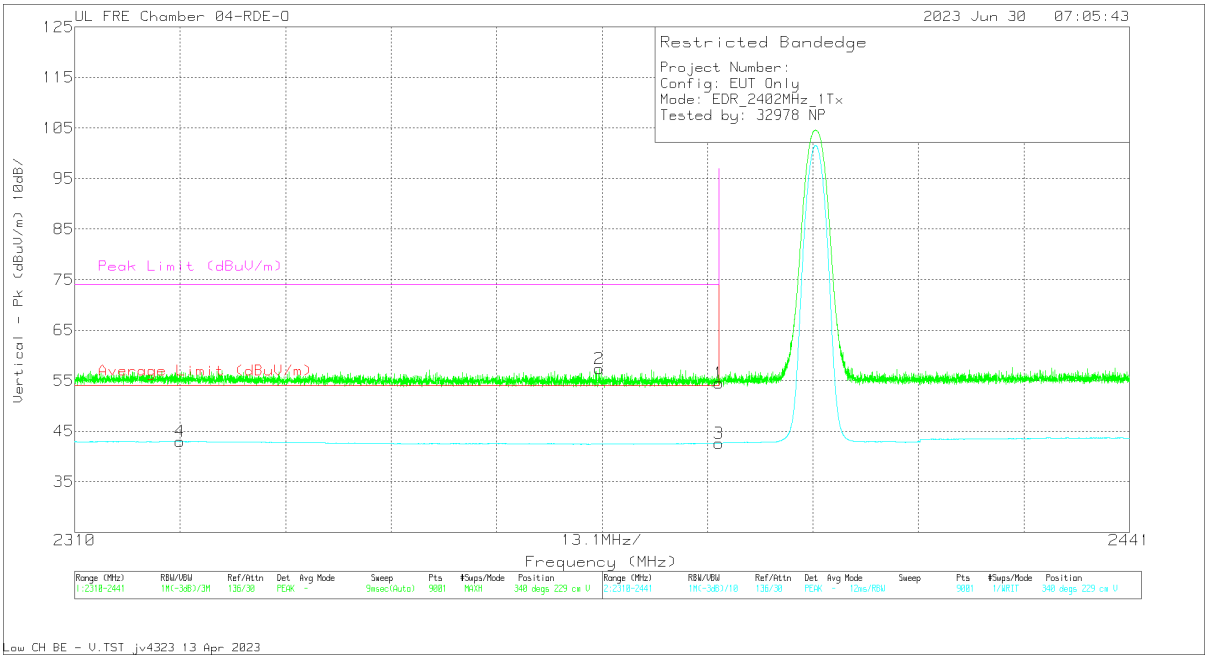
VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_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
4	2323.086	47.62	VA1T	32.7	-37.32	43	54	-11	-	-	340	229	V
2	2375.109	62.51	Pk	32.2	-37.36	57.35	-	-	74	-16.65	340	229	V
1	2390	59.64	Pk	32.2	-37.35	54.49	-	-	74	-19.51	340	229	V
3	2390	47.77	VA1T	32.2	-37.35	42.62	54	-11.38	-	-	340	229	V

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

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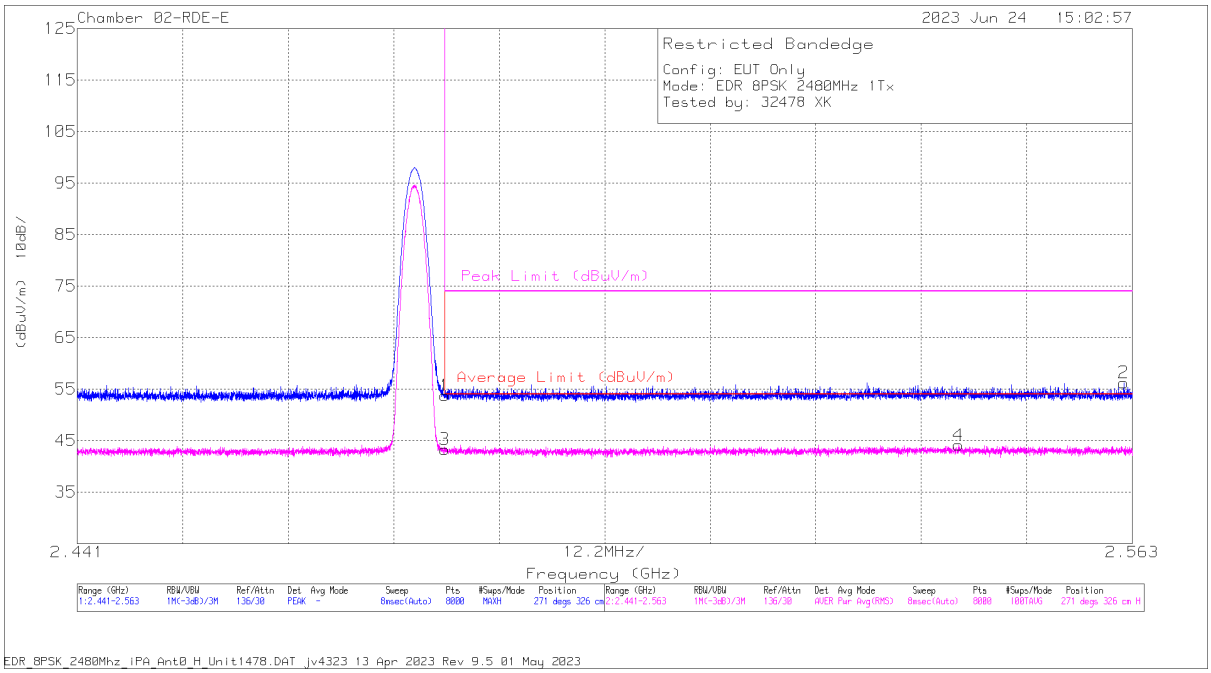
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	60.64	Pk	32.3	-39.16	53.78	-	-	74	-20.22	271	326	H
3	* 2.4835	50.18	RMS	32.3	-39.16	43.32	54	-10.68	-	-	271	326	H
4	2.542899	50.66	RMS	32.5	-39.01	44.15	54	-9.85	-	-	271	326	H
2	2.562009	62.87	Pk	32.4	-39.02	56.25	-	-	74	-17.75	271	326	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

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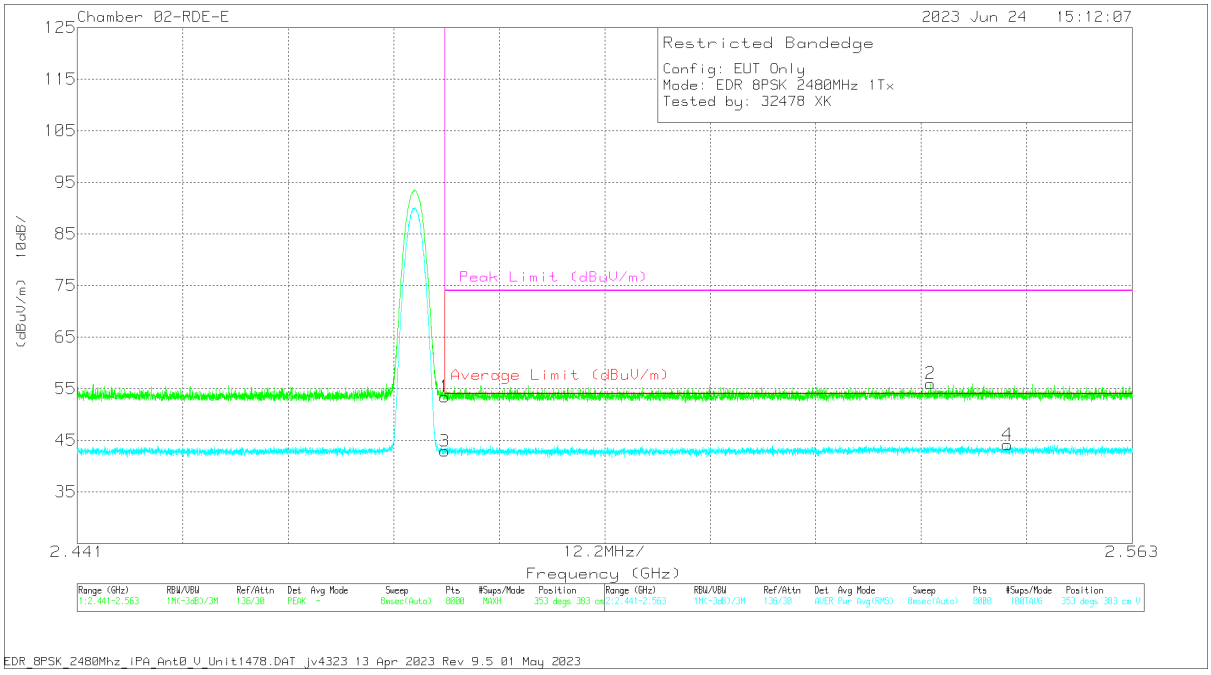
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	60.31	Pk	32.3	-39.16	53.45	-	-	74	-20.55	353	383	V
3	* 2.4835	49.78	RMS	32.3	-39.16	42.92	54	-11.08	-	-	353	383	V
2	2.53965	62.54	Pk	32.5	-39.04	56	-	-	74	-18	353	383	V
4	2.548572	50.71	RMS	32.5	-39.04	44.17	54	-9.83	-	-	353	383	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

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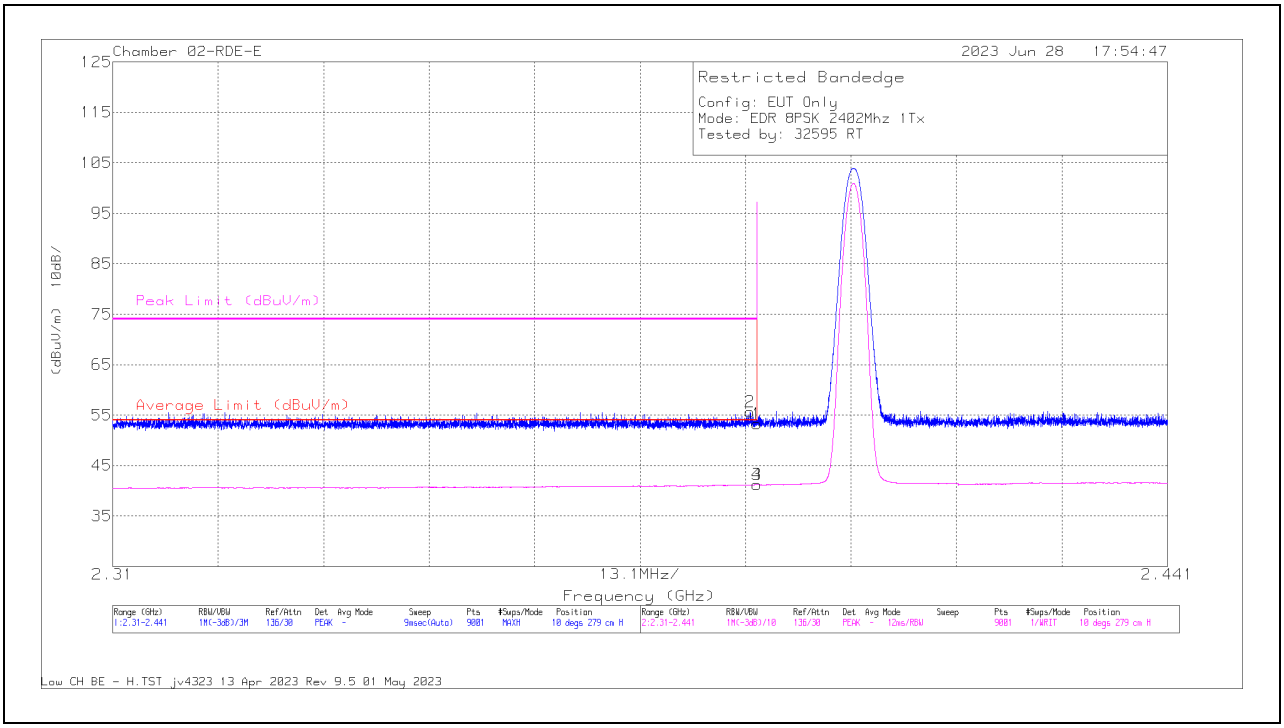
ANT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	60.23	Pk	32.3	0	-39.27	53.26	-	-	74	-20.74	10	279	H
2	* 2.389185	62.66	Pk	32.3	0	-39.28	55.68	-	-	74	-18.32	10	279	H
3	* 2.39	48.16	VA1T	32.3	0	-39.27	41.19	54	-12.81	-	-	10	279	H
4	* 2.39	48.16	VA1T	32.3	0	-39.27	41.19	54	-12.81	-	-	10	279	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

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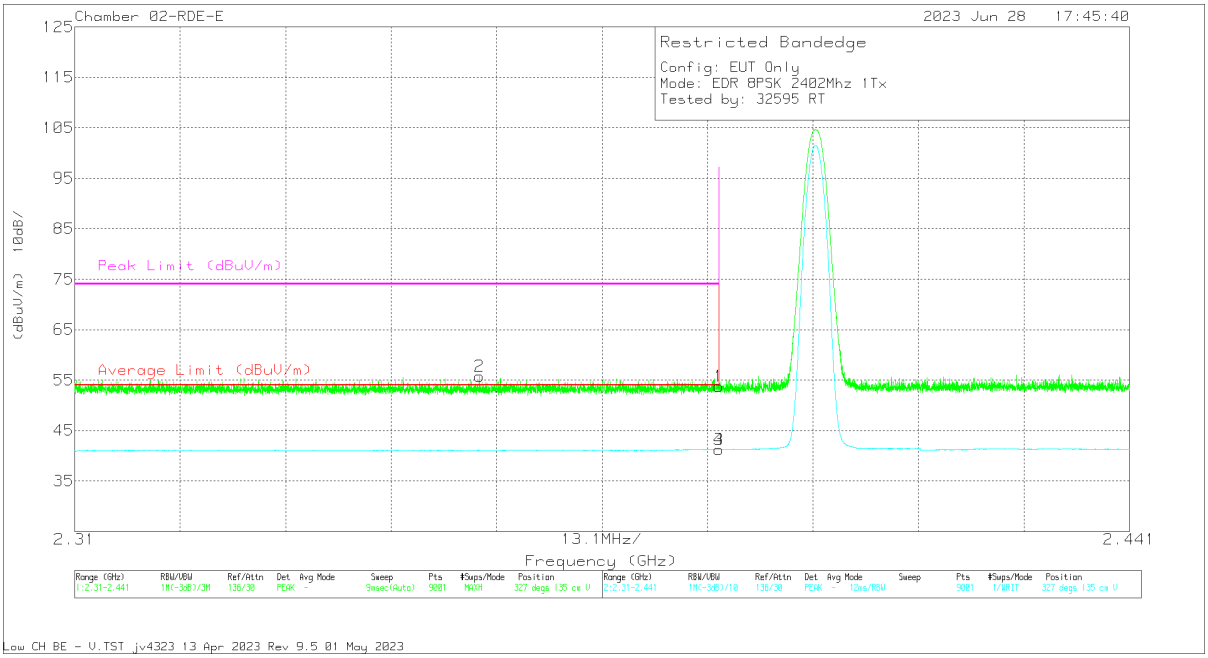
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	60.78	Pk	32.3	0	-39.27	53.81	-	-	74	-20.19	327	135	V
2	* 2.360247	62.94	Pk	32.1	0	-39.29	55.75	-	-	74	-18.25	327	135	V
3	* 2.39	48.22	VA1T	32.3	0	-39.27	41.25	54	-12.75	-	-	327	135	V
4	* 2.39	48.22	VA1T	32.3	0	-39.27	41.25	54	-12.75	-	-	327	135	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

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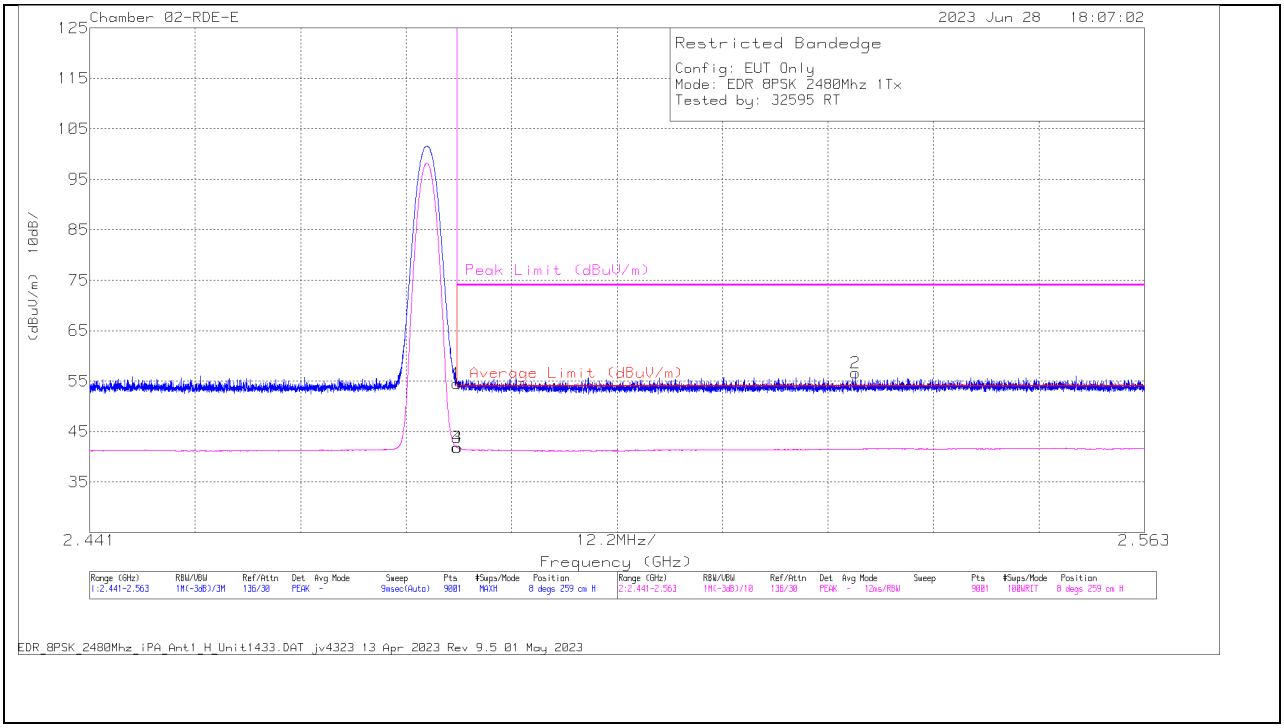
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	61.41	Pk	32.3	0	-39.16	54.55	-	-	74	-19.45	8	259	H
3	* 2.4835	48.69	VA1T	32.3	0	-39.16	41.83	54	-12.17	-	-	8	259	H
4	* 2.483512	48.68	VA1T	32.3	0	-39.15	41.83	54	-12.17	-	-	8	259	H
2	2.529548	63.28	Pk	32.4	0	-39.08	56.6	-	-	74	-17.4	8	259	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

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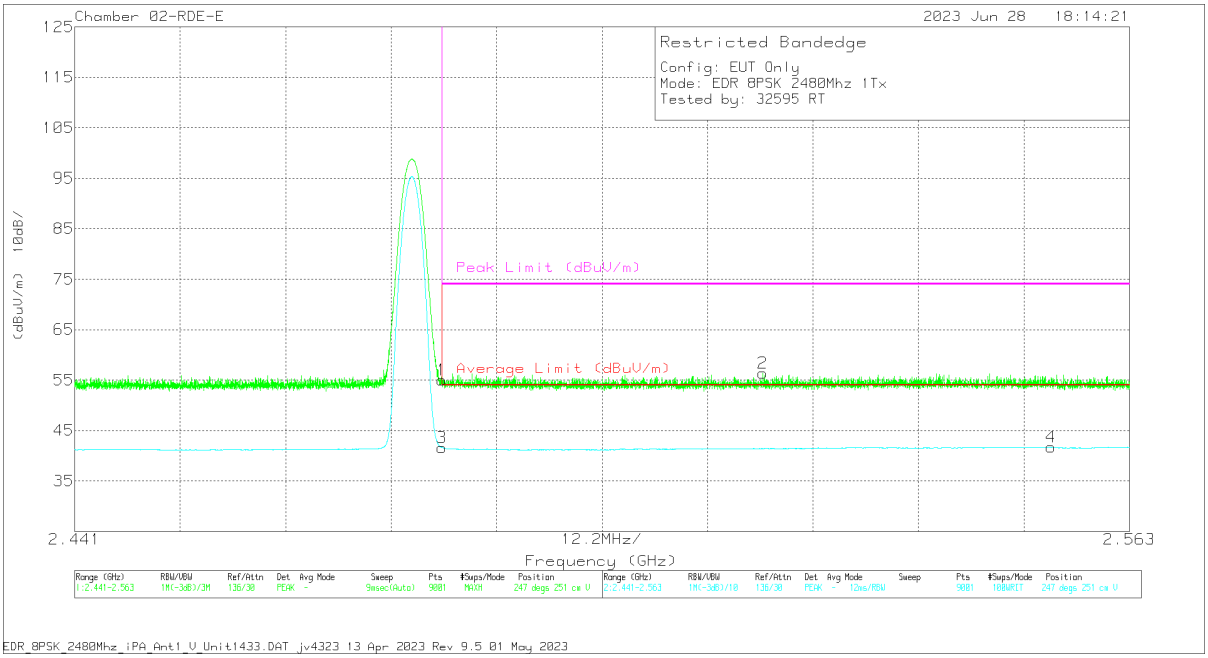
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	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	61.83	Pk	32.3	0	-39.16	54.97	-	-	74	-19.03	247	251	V
3	* 2.4835	48.45	VA1T	32.3	0	-39.16	41.59	54	-12.41	-	-	247	251	V
2	2.520587	63.06	Pk	32.4	0	-39.09	56.37	-	-	74	-17.63	247	251	V
4	2.553908	48.19	VA1T	32.5	0	-39.02	41.67	54	-12.33	-	-	247	251	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

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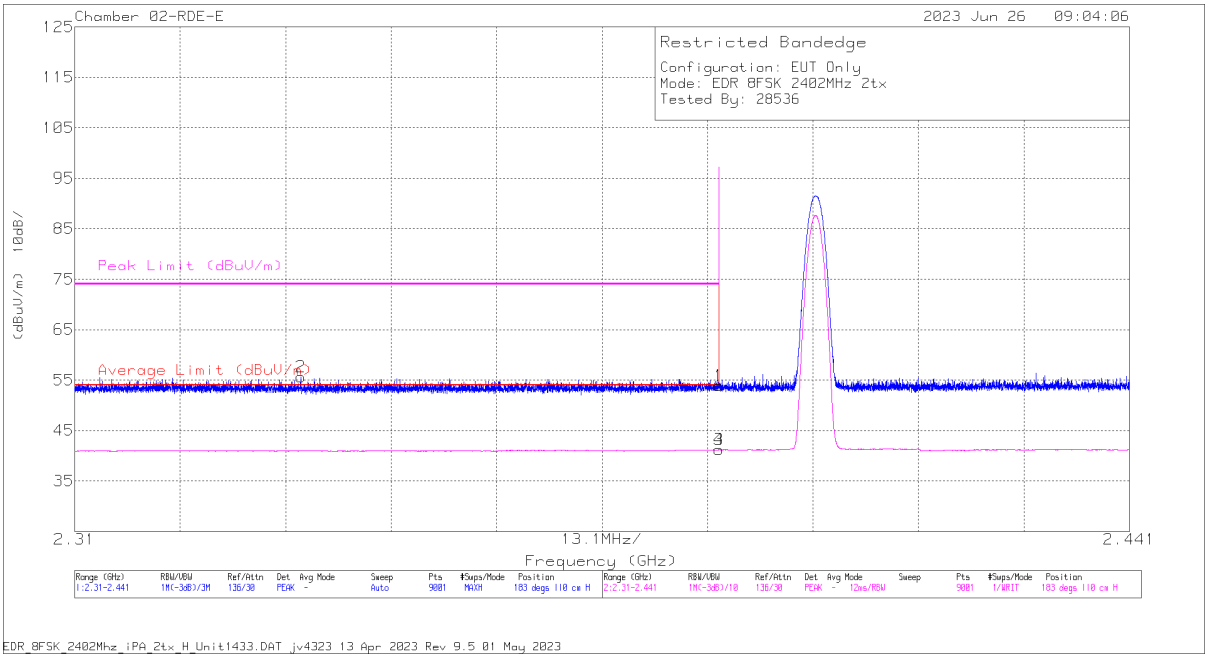
10.1.8. LOW POWER BASIC DATA RATE TXBF 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	32.3	-39.27	53.84	-	-	74	-20.16	183	110	H
2	* 2.338093	62.9	Pk	32.1	-39.32	55.68	-	-	74	-18.32	183	110	H
3	* 2.39	48.16	VA1T	32.3	-39.27	41.19	54	-12.81	-	-	183	110	H
4	* 2.39	48.16	VA1T	32.3	-39.27	41.19	54	-12.81	-	-	183	110	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

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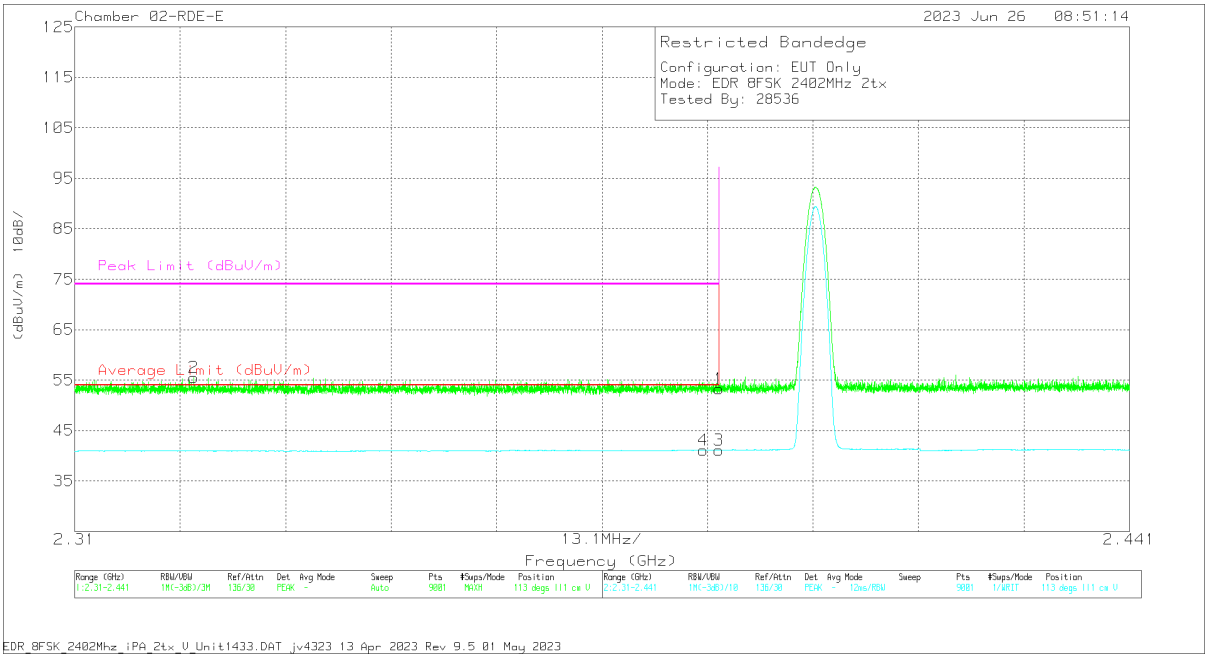
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	60.26	Pk	32.3	-39.27	53.29	-	-	74	-20.71	113	111	V
2	* 2.324818	62.76	Pk	32.1	-39.32	55.54	-	-	74	-18.46	113	111	V
3	* 2.39	48.1	VA1T	32.3	-39.27	41.13	54	-12.87	-	-	113	111	V
4	* 2.388049	48.14	VA1T	32.3	-39.28	41.16	54	-12.84	-	-	113	111	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

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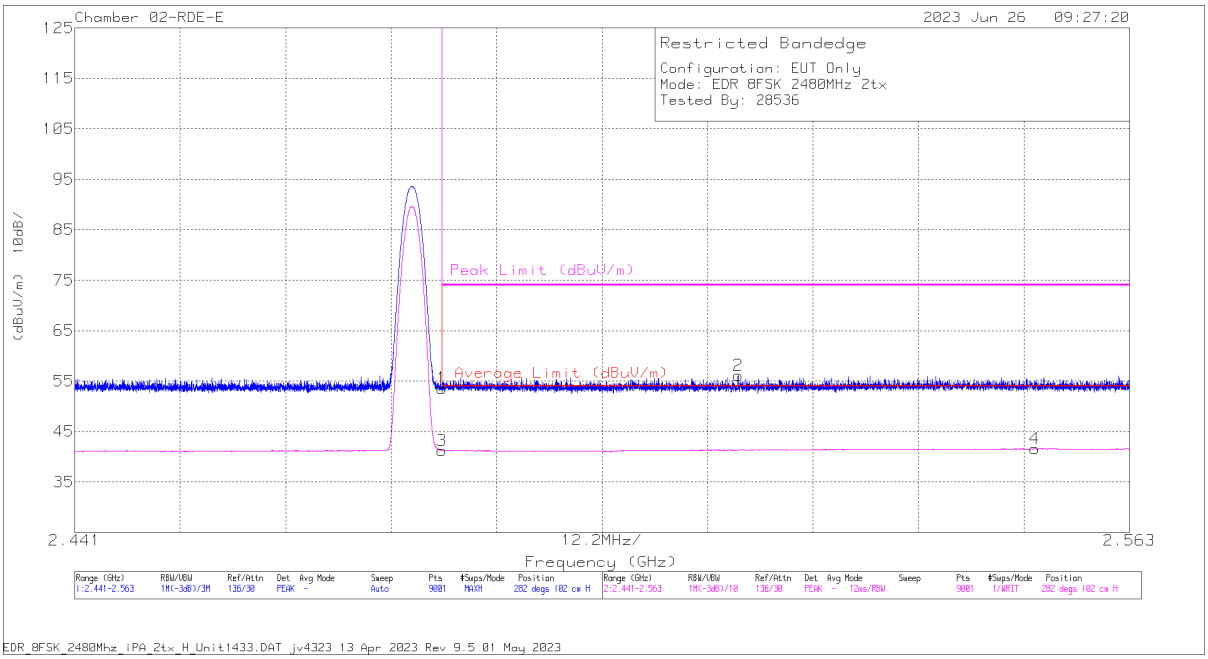
BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	60.44	Pk	32.3	-39.16	53.58	-	-	74	-20.42	282	102	H
3	* 2.4835	48.13	VA1T	32.3	-39.16	41.27	54	-12.73	-	-	282	102	H
2	2.517754	62.89	Pk	32.4	-39.11	56.18	-	-	74	-17.82	282	102	H
4	2.552078	48.14	VA1T	32.5	-39.04	41.6	54	-12.4	-	-	282	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

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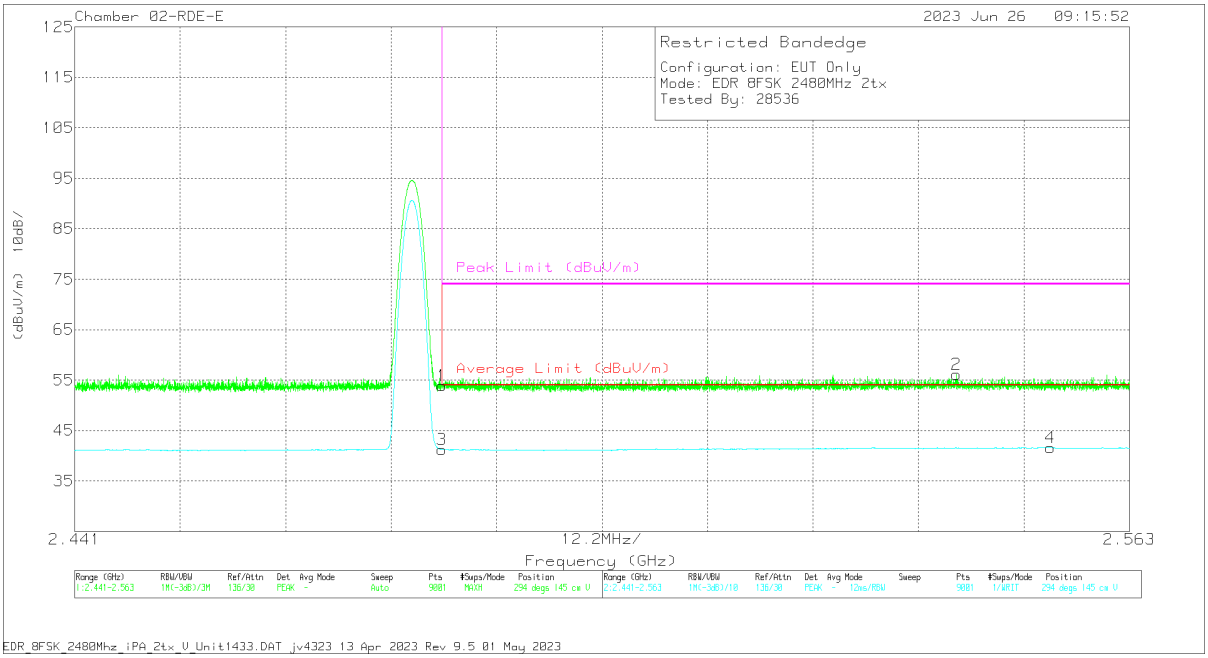
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 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	60.7	Pk	32.3	-39.16	53.84	-	-	74	-20.16	294	145	V
3	* 2.4835	48.1	VA1T	32.3	-39.16	41.24	54	-12.76	-	-	294	145	V
2	2.542995	62.6	Pk	32.5	-39.01	56.09	-	-	74	-17.91	294	145	V
4	2.553881	48.15	VA1T	32.5	-39.02	41.63	54	-12.37	-	-	294	145	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

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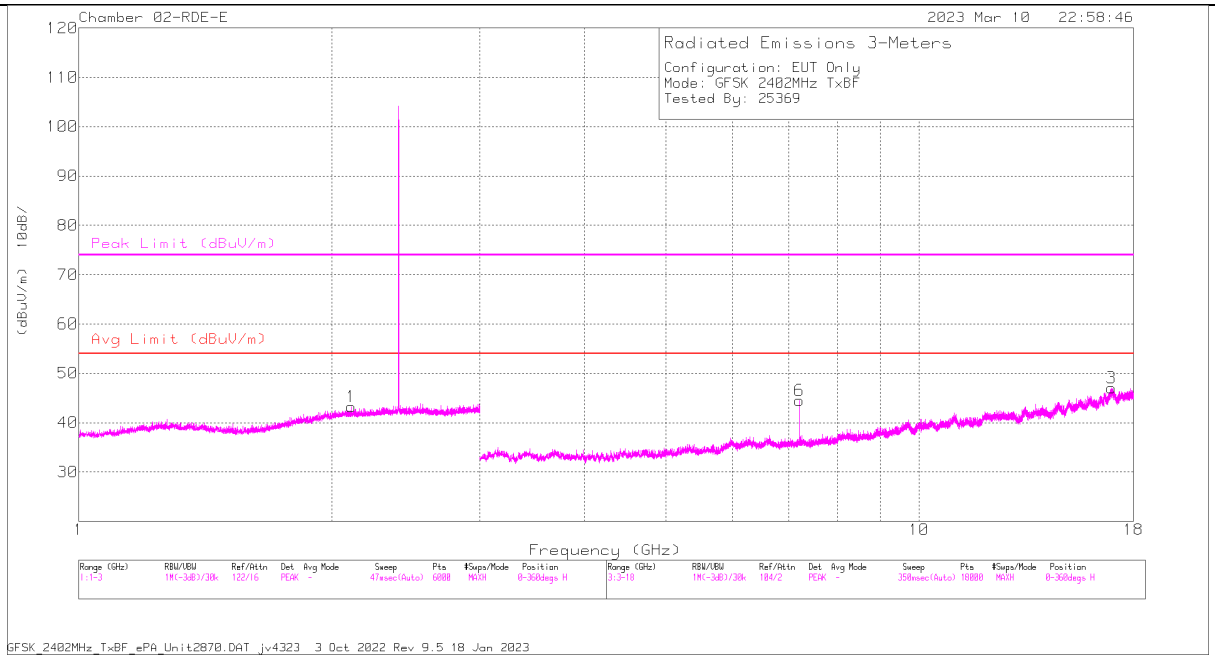
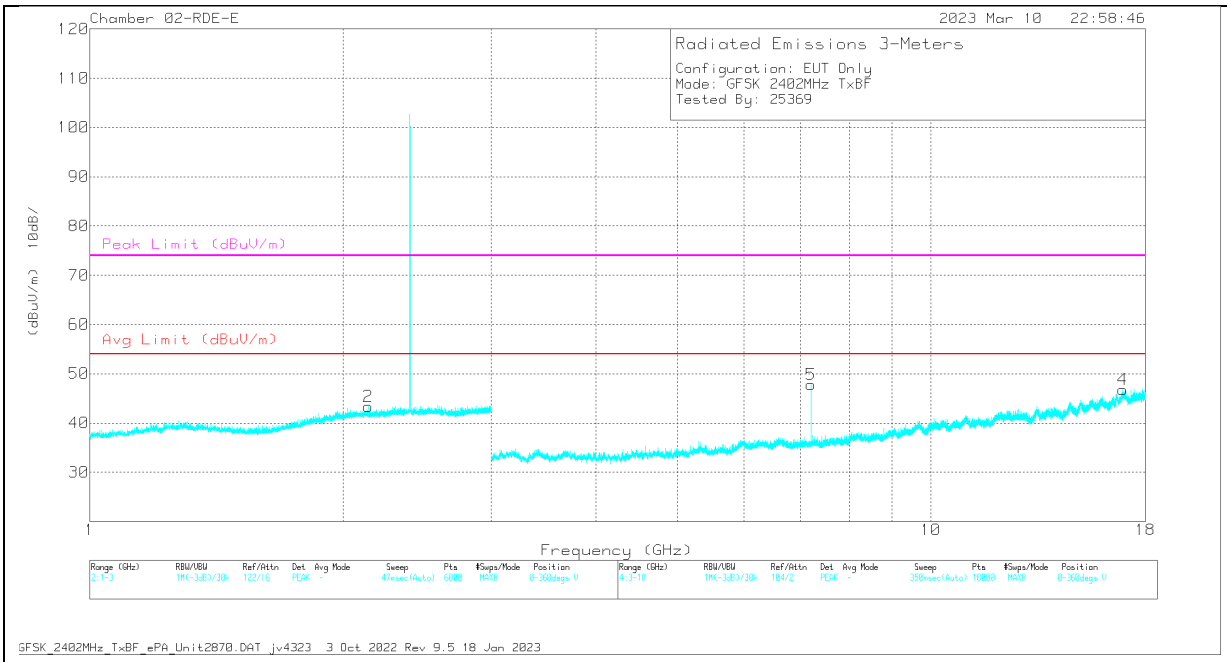
10.1.9. GFSK TXBF HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

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RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 3mH	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.110601	58.57	PKFH	31.7	-39.15	51.12	74	-22.88	360	101	H
	2.112714	44.7	VA1T	31.7	-39.15	37.25	-	-	360	101	H
2	2.145168	57.97	PKFH	31.7	-39.2	50.47	74	-23.53	360	101	V
	2.143783	44.57	VA1T	31.7	-39.19	37.08	-	-	360	101	V
5	7.205256	60.2	PKFH	35.6	-44.65	51.15	74	-22.85	315	101	V
	7.205432	53.63	VA1T	35.6	-44.65	44.58	-	-	315	101	V
6	7.205813	54.78	PKFH	35.6	-44.64	45.74	74	-28.26	292	329	H
	7.205292	43.01	VA1T	35.6	-44.65	33.96	-	-	292	329	H
4	16.924315	52.68	PKFH	41.7	-40.99	53.39	74	-20.61	292	200	V
	16.923964	39.72	VA1T	41.7	-40.99	40.43	-	-	292	200	V
3	16.961345	53.77	PKFH	41.7	-40.9	54.57	74	-19.43	360	101	H
	16.960143	40.08	VA1T	41.7	-40.92	40.86	-	-	360	101	H

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

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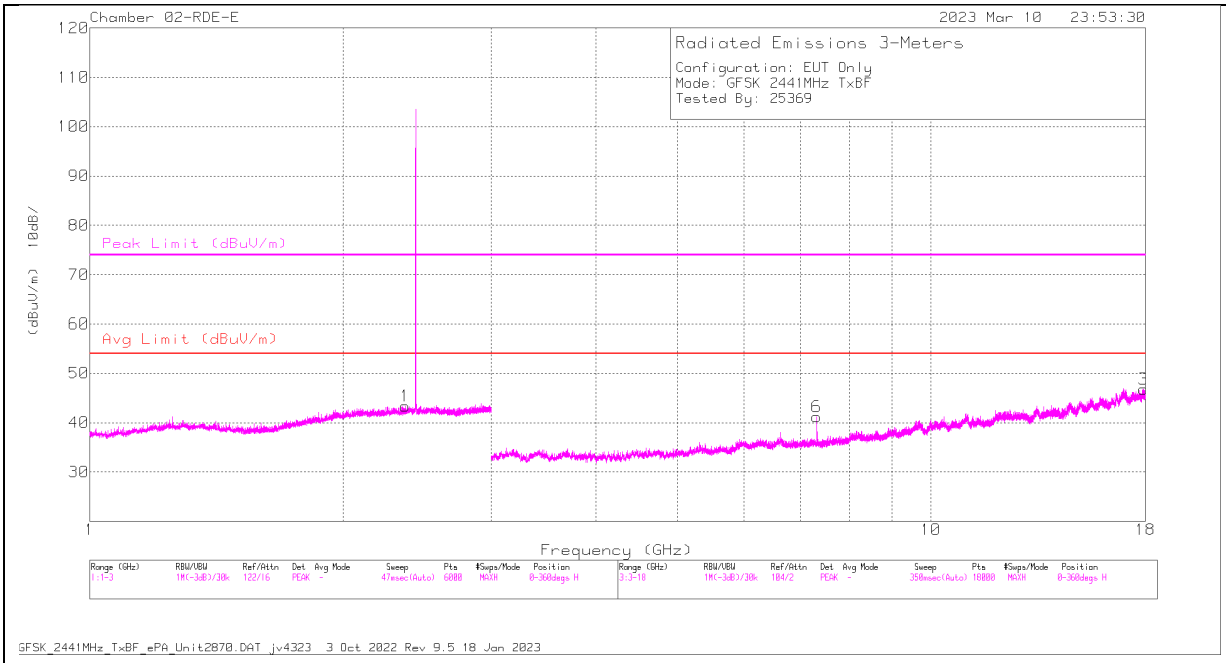
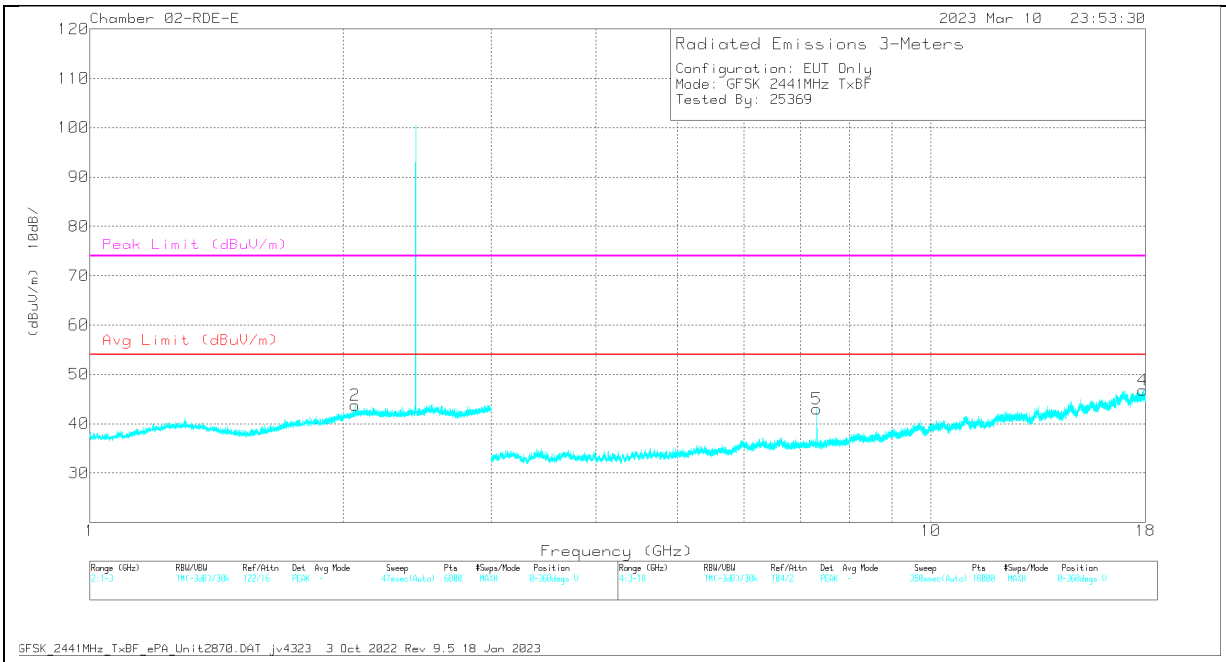
MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

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RADIATED EMISSIONS

Marker	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	* 2.368956	58.05	PKFH	32.2	-39.31	50.94	-	-	74	-23.06	360	199	H
	* 2.369913	44.78	VA1T	32.2	-39.32	37.66	54	-16.34	-	-	360	199	H
3	* 17.911874	52.01	PKFH	41.6	-39.35	54.26	-	-	74	-19.74	360	101	H
	* 17.911501	38.29	VA1T	41.6	-39.35	40.54	54	-13.46	-	-	360	101	H
6	* 7.323351	57.65	PKFH	35.6	-45.03	48.22	-	-	74	-25.78	1	281	H
	* 7.322957	48.49	VA1T	35.6	-45.02	39.07	54	-14.93	-	-	1	281	H
4	* 17.879913	53.01	PKFH	41.6	-39.35	55.26	-	-	74	-18.74	1	101	V
	* 17.880247	38.65	VA1T	41.6	-39.35	40.9	54	-13.1	-	-	1	101	V
5	* 7.322329	58.48	PKFH	35.6	-45.01	49.07	-	-	74	-24.93	334	202	V
	* 7.322972	51.09	VA1T	35.6	-45.02	41.67	54	-12.33	-	-	334	202	V
2	2.069187	58.23	PKFH	31.6	-39.1	50.73	-	-	74	-23.27	360	199	V
	2.066807	44.71	VA1T	31.6	-39.13	37.18	-	-	-	-	360	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 transmit duration

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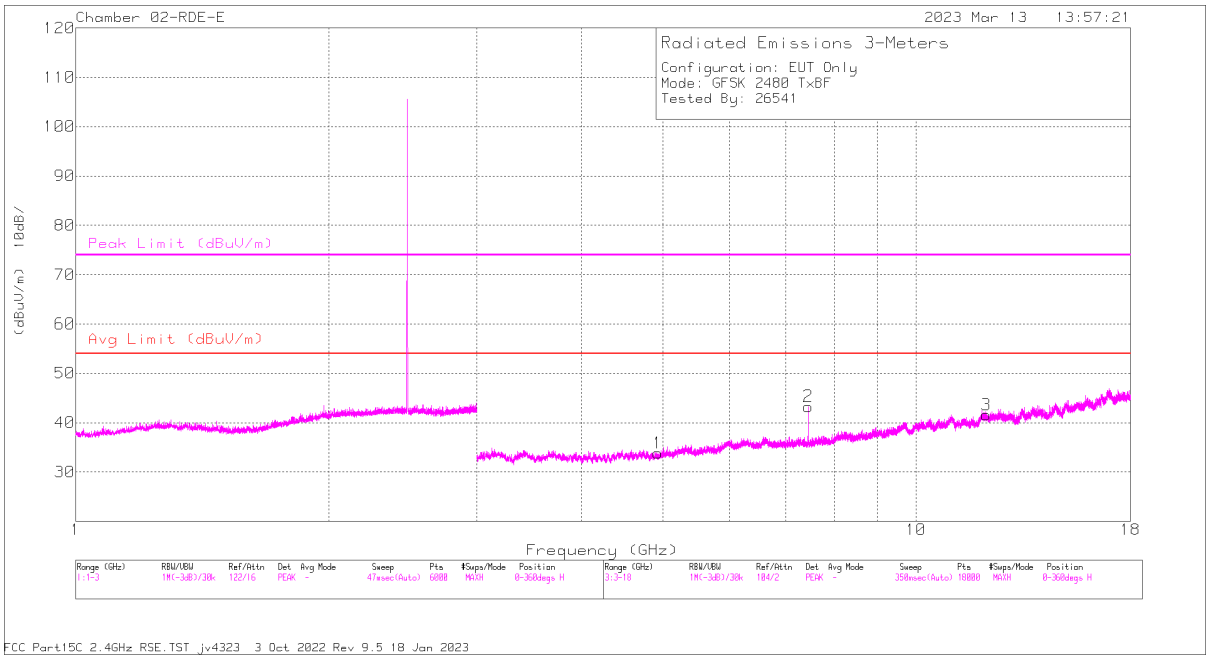
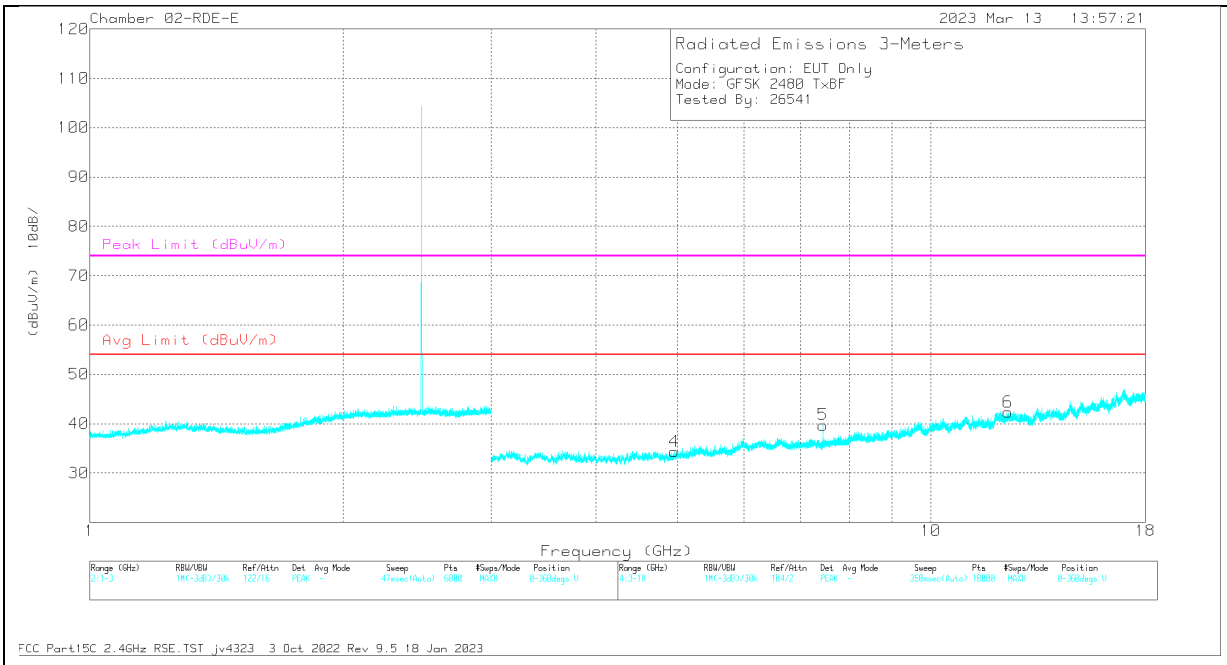
HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

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RADIATED EMISSIONS

Marker	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	* 4.924809	55.29	PKFH	33.9	-46.95	42.24	-	-	74	-31.76	51	331	H
	* 4.928261	41.67	VA1T	33.9	-47.04	28.53	54	-25.47	-	-	51	331	H
2	* 7.439212	56.75	PKFH	35.6	-45.52	46.83	-	-	74	-27.17	331	126	H
	* 7.439922	46.03	VA1T	35.6	-45.48	36.15	54	-17.85	-	-	331	126	H
3	* 12.12378	53.64	PKFH	38.9	-42.39	50.15	-	-	74	-23.85	5	317	H
	* 12.126075	40.34	VA1T	38.9	-42.59	36.65	54	-17.35	-	-	5	317	H
4	* 4.951281	55.53	PKFH	33.9	-47.16	42.27	-	-	74	-31.73	246	312	V
	* 4.953535	42.12	VA1T	33.9	-47.18	28.84	54	-25.16	-	-	246	312	V
5	* 7.439643	56.93	PKFH	35.6	-45.5	47.03	-	-	74	-26.97	329	101	V
	* 7.439994	46.42	VA1T	35.6	-45.48	36.54	54	-17.46	-	-	329	101	V
6	* 12.354113	52.55	PKFH	38.9	-42.29	49.16	-	-	74	-24.84	244	119	V
	* 12.356817	39.03	VA1T	38.9	-42.28	35.65	54	-18.35	-	-	244	119	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

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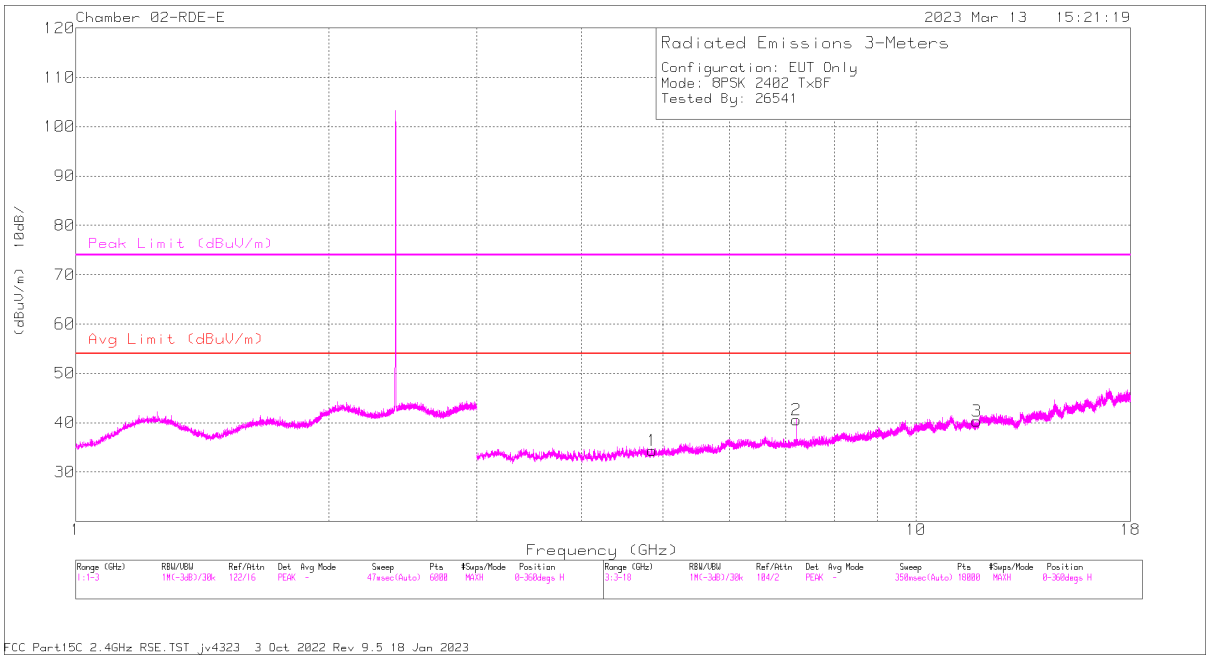
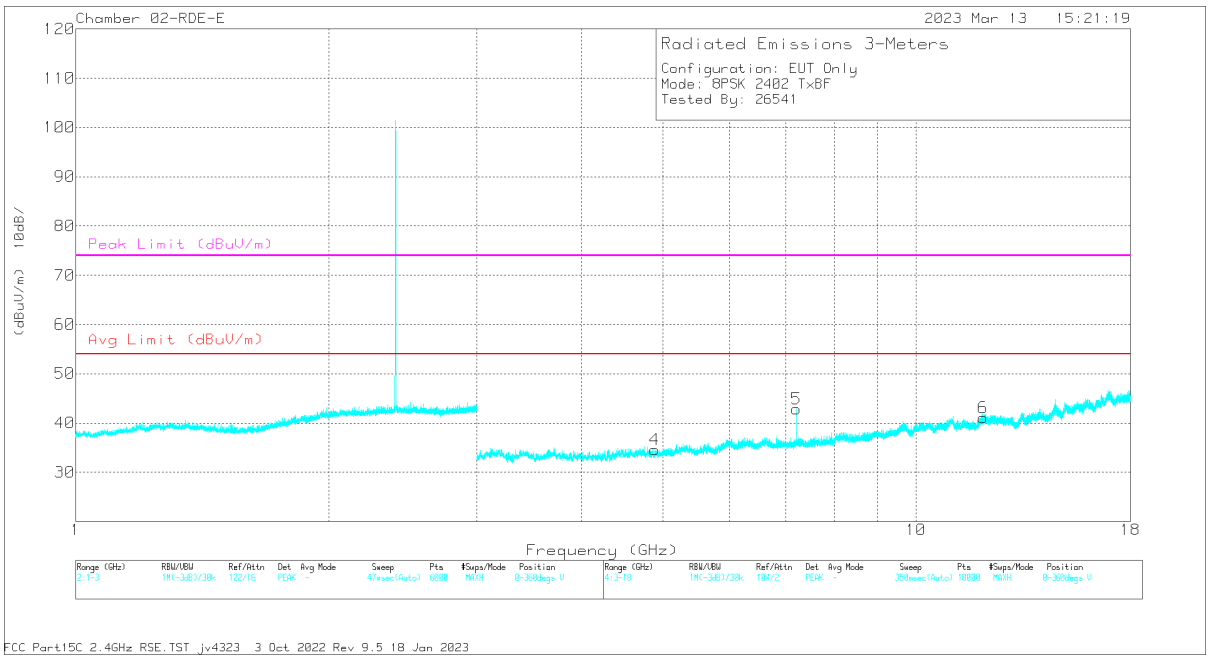
10.1.10 8PSK TXBF HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



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RADIATED EMISSIONS

Marker	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	* 4.858377	55.11	PKFH	33.9	-46.76	42.25	-	-	74	-31.75	134	276	H
	* 4.855722	42.24	VA1T	33.9	-46.81	29.33	54	-24.67	-	-	134	276	H
3	* 11.815654	51.42	PKFH	38.6	-42.4	47.62	-	-	74	-26.38	118	203	H
	* 11.815507	38.25	VA1T	38.6	-42.39	34.46	54	-19.54	-	-	118	203	H
4	* 4.888173	55.31	PKFH	33.9	-46.93	42.28	-	-	74	-31.72	103	105	V
	* 4.890084	42.17	VA1T	33.9	-46.99	29.08	54	-24.92	-	-	103	105	V
6	* 12.011025	52.95	PKFH	38.8	-42.43	49.32	-	-	74	-24.68	271	215	V
	* 12.012202	39.73	VA1T	38.8	-42.42	36.11	54	-17.89	-	-	271	215	V
2	7.206014	57.53	PKFH	35.6	-44.63	48.5	-	-	74	-25.5	336	102	H
	7.206071	46.36	VA1T	35.6	-44.63	37.33	-	-	-	-	336	102	H
5	7.206074	44.33	VA1T	35.6	-44.63	35.3	-	-	-	-	349	176	V
	7.206309	56.61	PKFH	35.6	-44.62	47.59	-	-	74	-26.41	349	176	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

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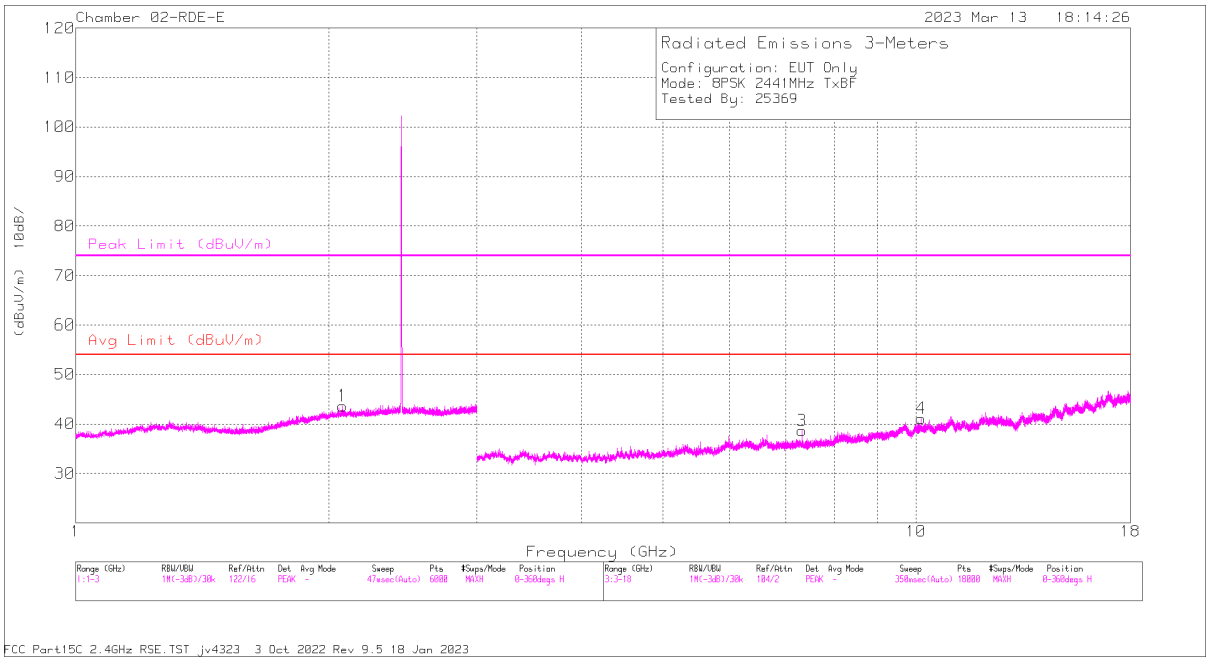
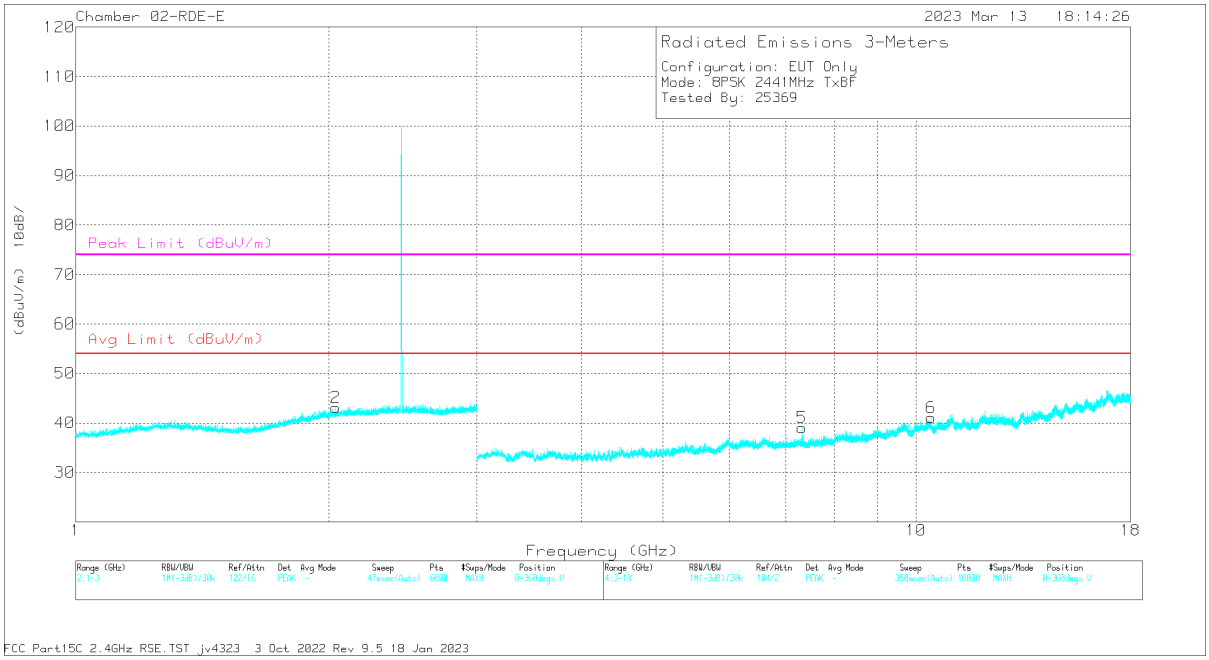
MID CHANNEL RESULTS



HORIZONTAL



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RADIATED EMISSIONS

Marker	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
3	* 7.323077	57.7	PKFH	35.6	-45.02	48.28	-	-	74	-25.72	342	118	H
	* 7.322989	47.23	VA1T	35.6	-45.02	37.81	54	-16.19	-	-	342	118	H
5	* 7.323525	55.68	PKFH	35.6	-45.03	46.25	-	-	74	-27.75	313	180	V
	* 7.322381	43.84	VA1T	35.6	-45.01	34.43	54	-19.57	-	-	313	180	V
2	2.038421	44.72	VA1T	31.4	-39.11	37.01	-	-	-	-	0	101	V
	2.04008	57.83	PKFH	31.4	-39.09	50.14	-	-	74	-23.86	0	101	V
1	2.075615	44.89	VA1T	31.6	-39.12	37.37	-	-	-	-	0	101	H
	2.075651	58.43	PKFH	31.6	-39.12	50.91	-	-	74	-23.09	0	101	H
4	10.147695	56.01	PKFH	37.5	-45.32	48.19	-	-	74	-25.81	342	118	H
	10.147856	42.33	VA1T	37.5	-45.32	34.51	-	-	-	-	342	118	H
6	10.426309	40.02	VA1T	37.6	-43.53	34.09	-	-	-	-	313	180	V
	10.427229	53.17	PKFH	37.6	-43.49	47.28	-	-	74	-26.72	313	180	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

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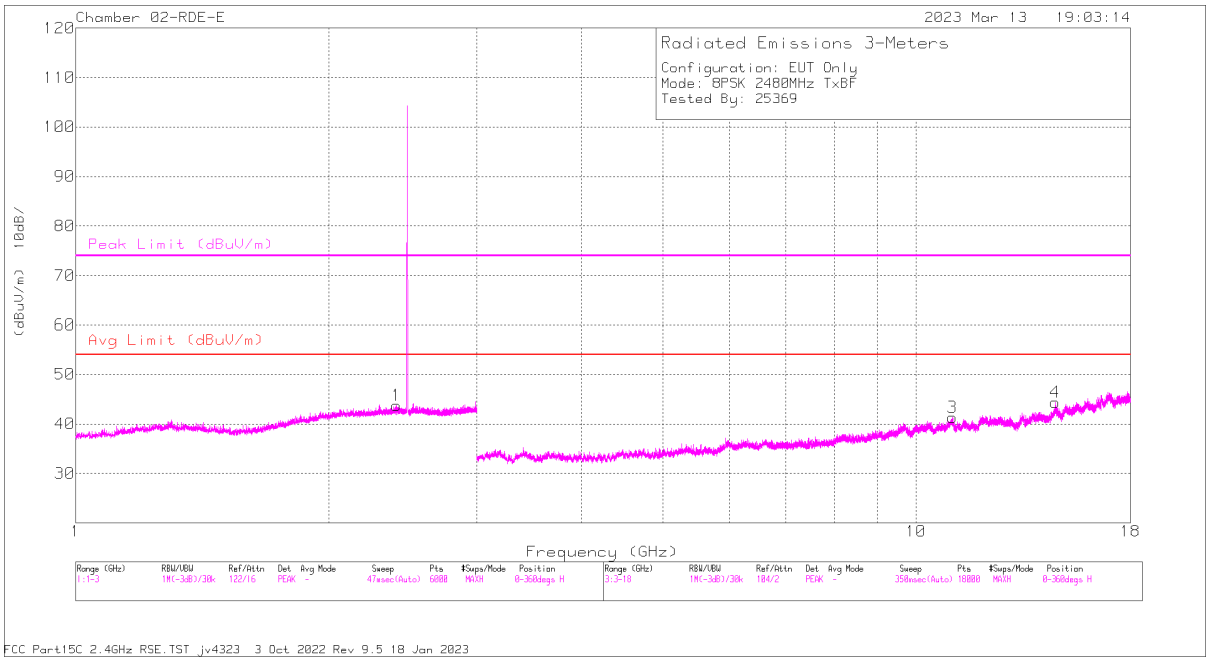
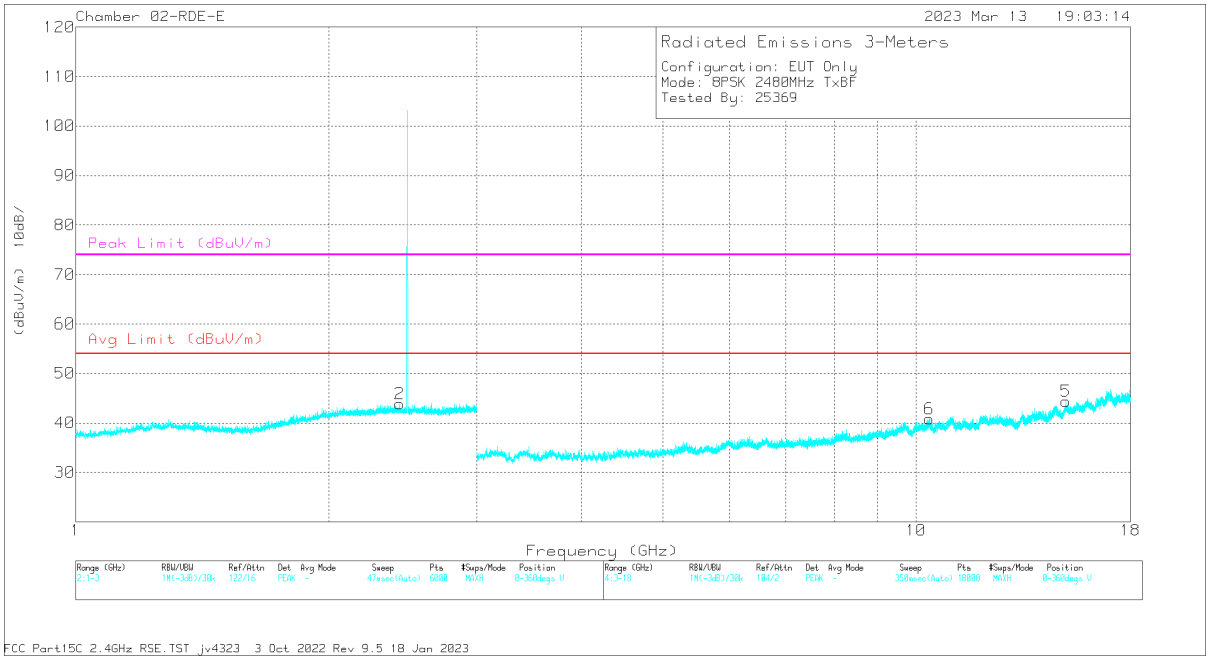
HIGH CHANNEL RESULTS



HORIZONTAL



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Radiated Emissions

Marker	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
3	* 11.048147	52.78	PKFH	37.9	-40.96	49.72	-	-	74	-24.28	360	101	H
	* 11.051575	39.07	VA1T	37.9	-40.88	36.09	54	-17.91	-	-	360	101	H
1	2.407631	58.55	PKFH	32.3	-39.28	51.57	-	-	74	-22.43	360	101	H
	2.408883	44.88	VA1T	32.3	-39.28	37.9	-	-	-	-	360	101	H
2	2.426267	44.87	VA1T	32.4	-39.26	38.01	-	-	-	-	360	101	V
	2.426367	58.26	PKFH	32.4	-39.26	51.4	-	-	74	-22.6	360	101	V
5	10.375635	54.1	PKFH	37.6	-43.93	47.77	-	-	74	-26.23	360	101	V
	10.377945	40.91	VA1T	37.6	-43.98	34.53	-	-	-	-	360	101	V
4	14.635421	40.63	VA1T	39.6	-42.54	37.69	-	-	-	-	360	101	H
	14.636276	53.77	PKFH	39.6	-42.54	50.83	-	-	74	-23.17	360	101	H
6	15.073763	39.53	VA1T	39.8	-41.62	37.71	-	-	-	-	360	101	V
	15.075555	52.69	PKFH	39.8	-41.55	50.94	-	-	74	-23.06	360	101	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

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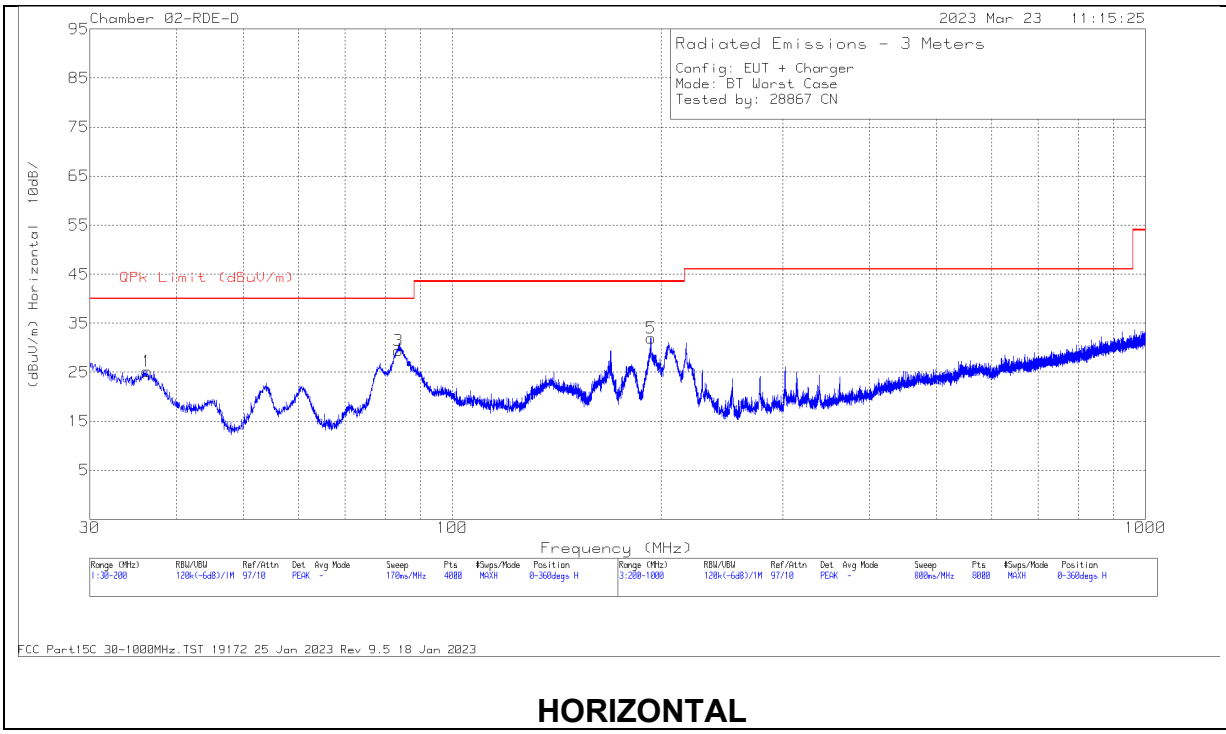
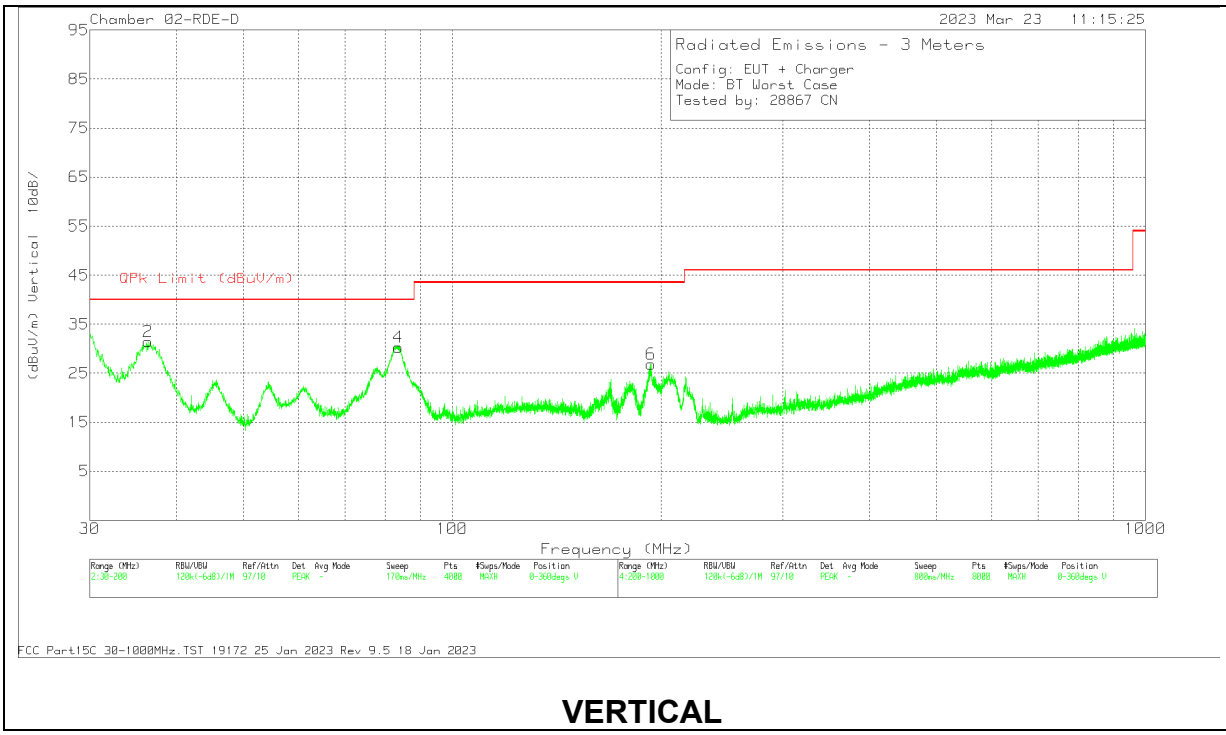
10.2. WORST CASE BELOW 1 GHZ

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



HORIZONTAL



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Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80508 ACF (dB)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	36.2916	33.32	Pk	22.5	-30.6	25.22	40	-14.78	0-360	299	H
2	36.3767	39.81	Pk	22.4	-30.7	31.51	40	-8.49	0-360	98	V
	36.3684	34.14	Qp	22.4	-30.7	25.84	40	-14.16	0	101	V
3	83.5214	46.37	Pk	13.2	-30.2	29.37	40	-10.63	0-360	199	H
4	83.5214	47.27	Pk	13.2	-30.2	30.27	40	-9.73	0-360	98	V
	83.6478	40.55	Qp	13.2	-30.2	23.55	40	-16.45	0	101	V
5	193.412	43.79	Pk	18	-29.8	31.99	43.52	-11.53	0-360	99	H
6	193.54	38.69	Pk	18	-29.8	26.89	43.52	-16.63	0-360	98	V

Pk - Peak detector
Qp - Quasi-Peak detector

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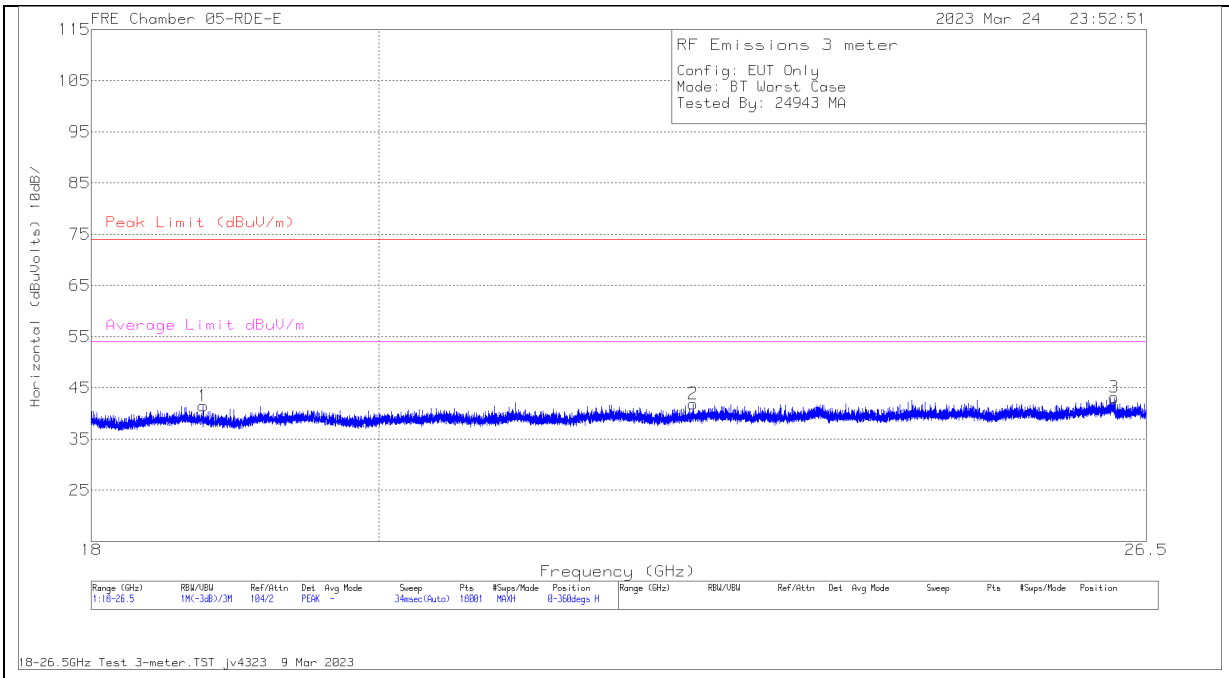
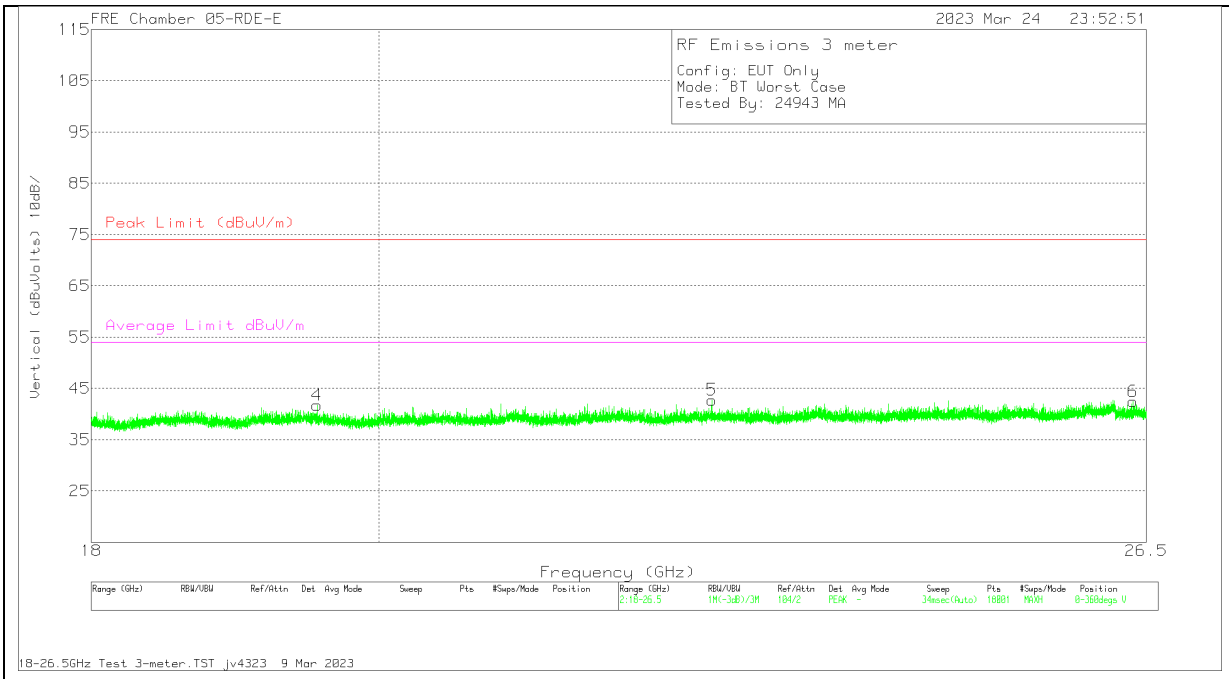
10.3. WORST CASE 18-26 GHZ

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



HORIZONTAL



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18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	amp/cbl (dB)	CBL/SW ITCH	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.754611	58.68	Pk	32.1	-62.4	13.1	41.48	74	-32.52	0-360	101	H
2	* 22.442665	56.57	Pk	33.1	-62.1	14.3	41.87	74	-32.13	0-360	101	H
4	* 19.55361	57.82	Pk	32.4	-61.9	13.4	41.72	74	-32.28	0-360	200	V
5	* 22.598498	57.11	Pk	33	-61.8	14.4	42.71	74	-31.29	0-360	101	V
3	26.192107	54.94	Pk	33.8	-61.3	15.7	43.14	74	-30.86	0-360	199	H
6	26.369663	54.06	Pk	34	-61.2	15.6	42.46	74	-31.54	0-360	101	V

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

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11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	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

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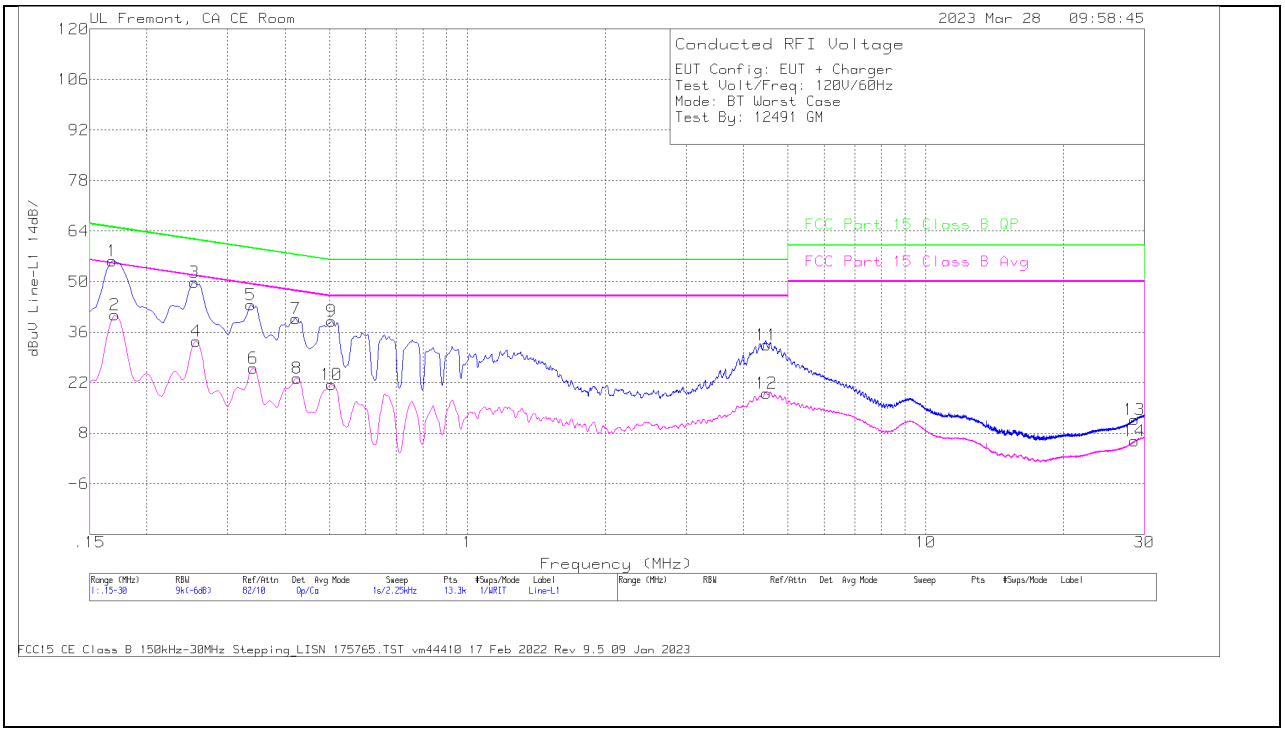
11.1. AC Power Line With AC/DC Adapter

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 cabl 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	.1703	31.43	Ca	0	0	9.4	40.83	-	-	54.95	-14.12
4	.2558	24.14	Ca	0	0	9.3	33.44	-	-	51.57	-18.13
6	.3413	16.63	Ca	0	.1	9.3	26.03	-	-	49.17	-23.14
8	.4245	13.79	Ca	0	.1	9.3	23.19	-	-	47.36	-24.17
10	.5055	12.05	Ca	0	.1	9.3	21.45	-	-	46	-24.55
12	4.4993	9.61	Ca	0	.1	9.3	19.01	-	-	46	-26.99
14	28.545	-4.22	Ca	.3	.3	9.4	5.78	-	-	50	-44.22
1	.168	46.31	Qp	0	0	9.4	55.71	65.06	-9.35	-	-
3	.2535	40.5	Qp	0	0	9.3	49.8	61.64	-11.84	-	-
5	.3368	34.34	Qp	0	0	9.3	43.64	59.28	-15.64	-	-
7	.4223	30.31	Qp	0	.1	9.3	39.71	57.4	-17.69	-	-
9	.5055	29.67	Qp	0	.1	9.3	39.07	56	-16.93	-	-
11	4.4993	23	Qp	0	.1	9.3	32.4	56	-23.6	-	-
13	28.545	1.8	Qp	.3	.3	9.4	11.8	60	-48.2	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

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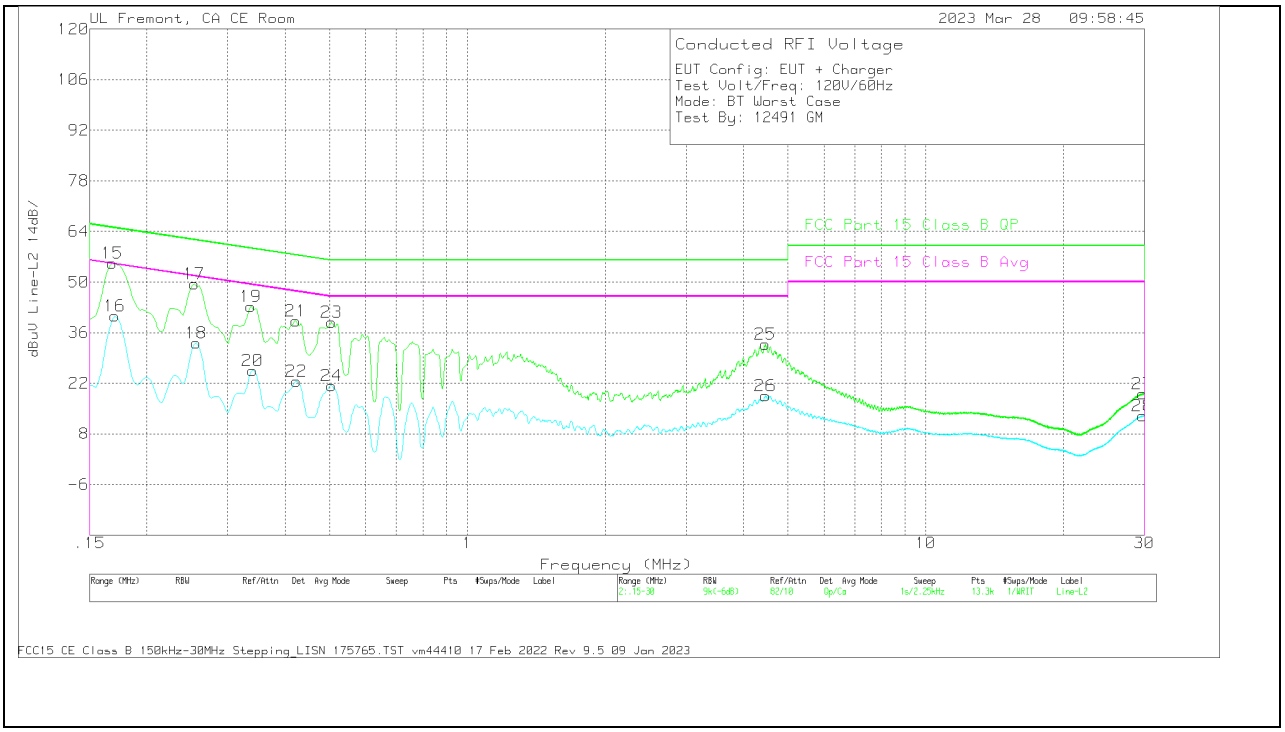
LINE 2 RESULTS



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 cabl 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)
16	.1703	31.15	Ca	0	0	9.4	40.55	-	-	54.95	-14.4
18	.2558	23.78	Ca	0	0	9.3	33.08	-	-	51.57	-18.49
20	.3401	16.22	Ca	0	0	9.3	25.52	-	-	49.2	-23.68
22	.4234	13.09	Ca	0	.1	9.3	22.49	-	-	47.38	-24.89
24	.5055	11.89	Ca	0	.1	9.3	21.29	-	-	46	-24.71
26	4.4723	9.1	Ca	0	.1	9.3	18.5	-	-	46	-27.5
28	29.7375	2.99	Ca	.3	.3	9.4	12.99	-	-	50	-37.01
15	.168	45.83	Qp	0	0	9.4	55.23	65.06	-9.83	-	-
17	.2535	40.13	Qp	0	0	9.3	49.43	61.64	-12.21	-	-
19	.3368	33.92	Qp	0	0	9.3	43.22	59.28	-16.06	-	-
21	.4223	29.79	Qp	0	.1	9.3	39.19	57.4	-18.21	-	-
23	.5055	29.48	Qp	0	.1	9.3	38.88	56	-17.12	-	-
25	4.47	23.33	Qp	0	.1	9.3	32.73	56	-23.27	-	-
27	29.7375	9.11	Qp	.3	.3	9.4	19.11	60	-40.89	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

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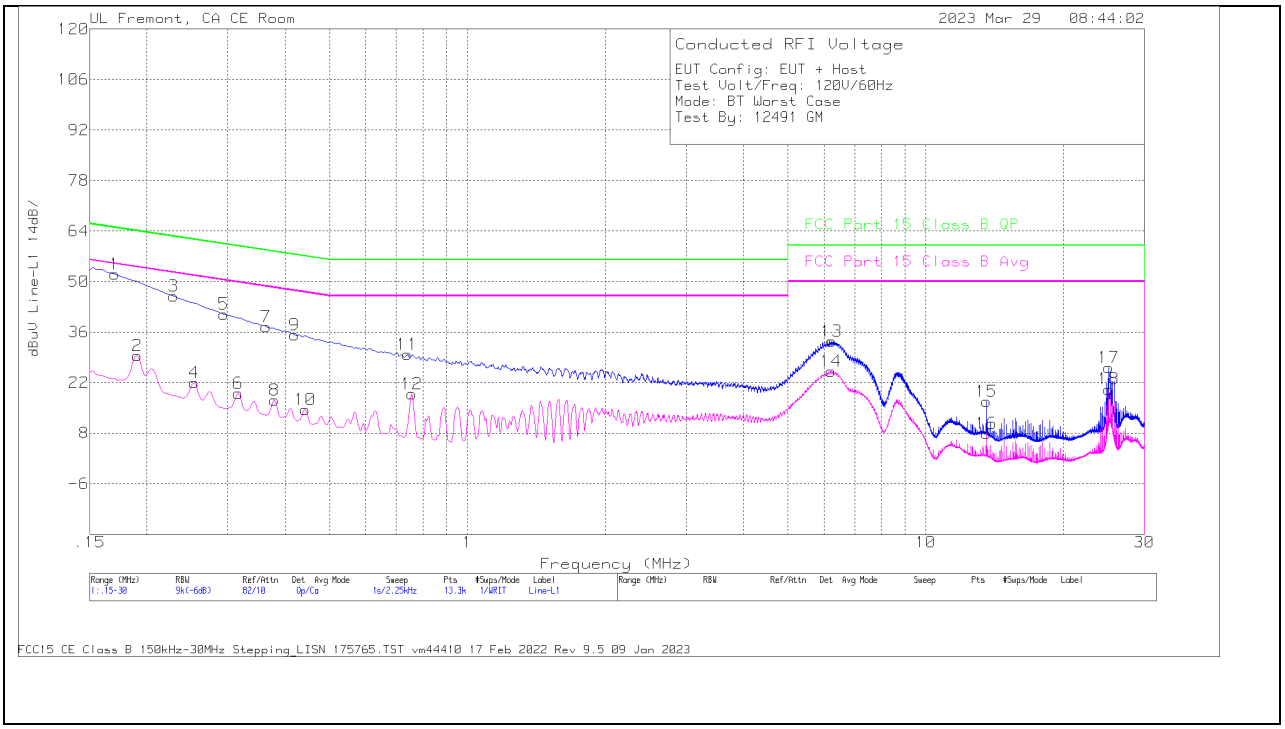
11.2. AC Power Line With Laptop

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 cabl 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	.1905	20.01	Ca	0	0	9.4	29.41	-	-	54.01	-24.6
4	.2535	12.75	Ca	0	0	9.3	22.05	-	-	51.64	-29.59
6	.3165	9.74	Ca	0	0	9.3	19.04	-	-	49.8	-30.76
8	.3795	7.73	Ca	0	.1	9.3	17.13	-	-	48.29	-31.16
10	.4425	5.21	Ca	0	.1	9.3	14.61	-	-	47.01	-32.4
12	.7553	9.48	Ca	0	.1	9.3	18.88	-	-	46	-27.12
14	6.2093	15.8	Ca	0	.1	9.3	25.2	-	-	50	-24.8
16	13.56	-1.71	Ca	.1	.2	9.3	7.89	-	-	50	-42.11
18	25.0845	10.29	Ca	.2	.3	9.4	20.19	-	-	50	-29.81
1	.1703	42.71	Qp	0	0	9.4	52.11	64.95	-12.84	-	-
3	.2288	36.65	Qp	0	0	9.3	45.95	62.49	-16.54	-	-
5	.294	31.74	Qp	0	0	9.3	41.04	60.41	-19.37	-	-
7	.3638	28.22	Qp	0	0	9.3	37.52	58.64	-21.12	-	-
9	.42	25.87	Qp	0	.1	9.3	35.27	57.45	-22.18	-	-
11	.7395	20.44	Qp	0	.1	9.3	29.84	56	-26.16	-	-
13	6.2295	24.05	Qp	0	.1	9.3	33.45	60	-26.55	-	-
15	13.56	7.14	Qp	.1	.2	9.3	16.74	60	-43.26	-	-
17	25.0845	16.29	Qp	.2	.3	9.4	26.19	60	-33.81	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

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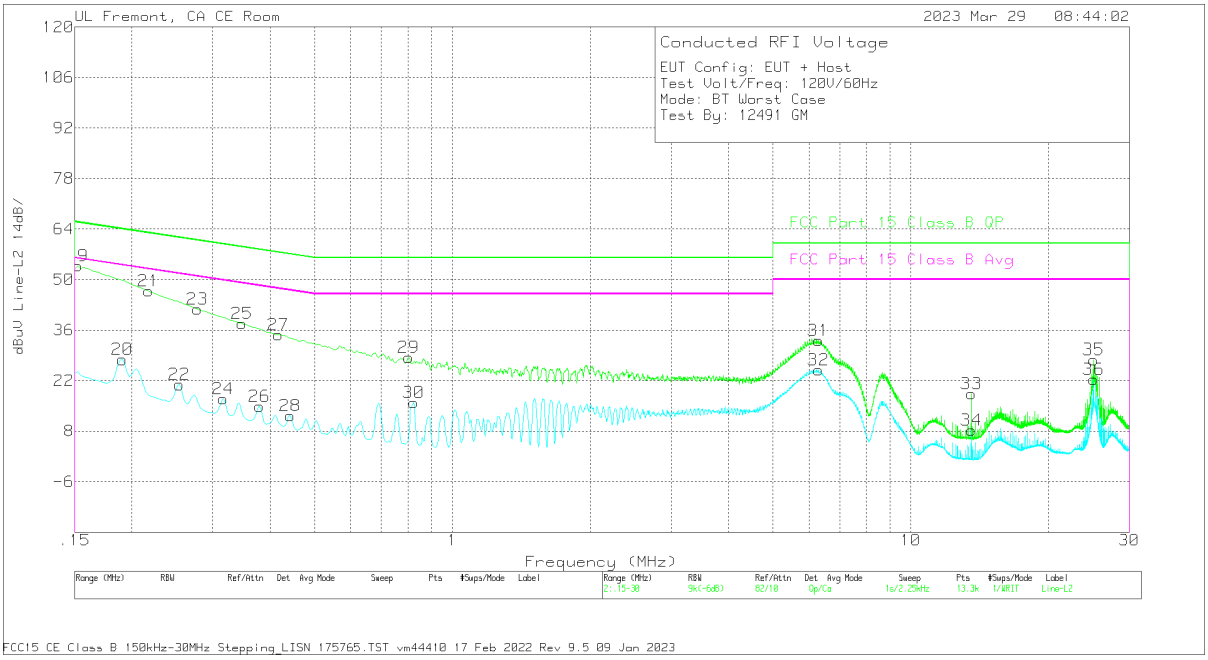
LINE 2 RESULTS



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 cabl 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)
20	.1905	18.44	Ca	0	0	9.4	27.84	-	-	54.01	-26.17
22	.2535	11.59	Ca	0	0	9.3	20.89	-	-	51.64	-30.75
24	.3165	7.67	Ca	0	0	9.3	16.97	-	-	49.8	-32.83
26	.3795	5.52	Ca	0	.1	9.3	14.92	-	-	48.29	-33.37
28	.4425	2.95	Ca	0	.1	9.3	12.35	-	-	47.01	-34.66
30	.8228	6.46	Ca	0	.1	9.3	15.86	-	-	46	-30.14
32	6.2903	15.53	Ca	0	.1	9.3	24.93	-	-	50	-25.07
34	13.56	-1.27	Ca	.1	.2	9.3	8.33	-	-	50	-41.67
36	25.0845	12.39	Ca	.2	.3	9.4	22.29	-	-	50	-27.71
19	.1523	44.39	Qp	0	0	9.4	53.79	65.88	-12.09	-	-
21	.2175	37.49	Qp	0	0	9.3	46.79	62.91	-16.12	-	-
23	.2783	32.55	Qp	0	0	9.3	41.85	60.87	-19.02	-	-
25	.348	28.5	Qp	0	0	9.3	37.8	59.01	-21.21	-	-
27	.4166	25.38	Qp	0	.1	9.3	34.78	57.52	-22.74	-	-
29	.8025	19.01	Qp	0	.1	9.3	28.41	56	-27.59	-	-
31	6.2925	23.77	Qp	0	.1	9.3	33.17	60	-26.83	-	-
33	13.56	8.75	Qp	.1	.2	9.3	18.35	60	-41.65	-	-
35	25.0845	17.93	Qp	.2	.3	9.4	27.83	60	-32.17	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

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12. SETUP PHOTOS

Please refer to 14523778-EP1V1 for setup photos

END OF TEST REPORT

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