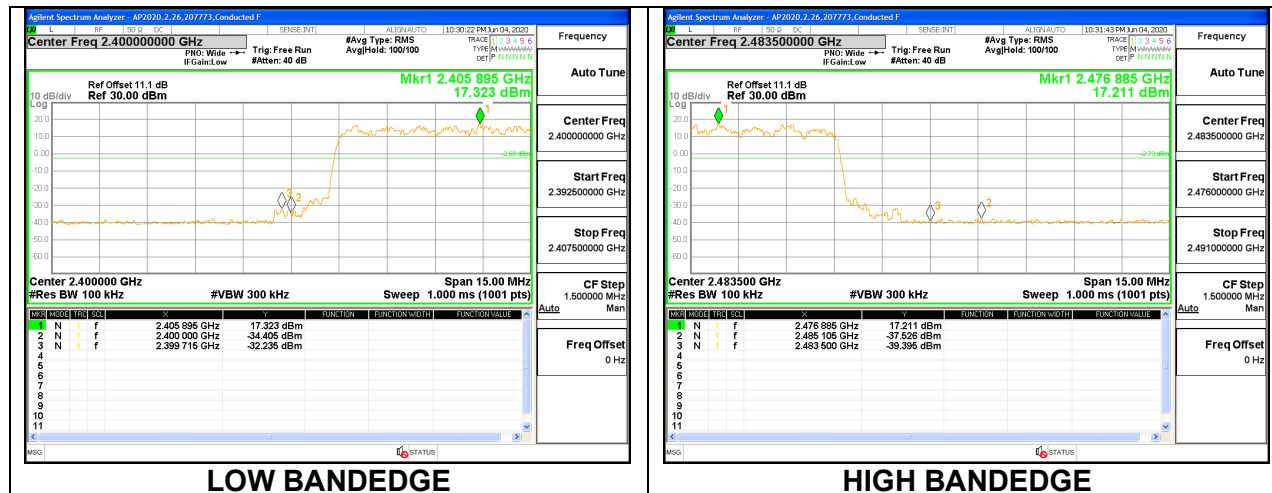
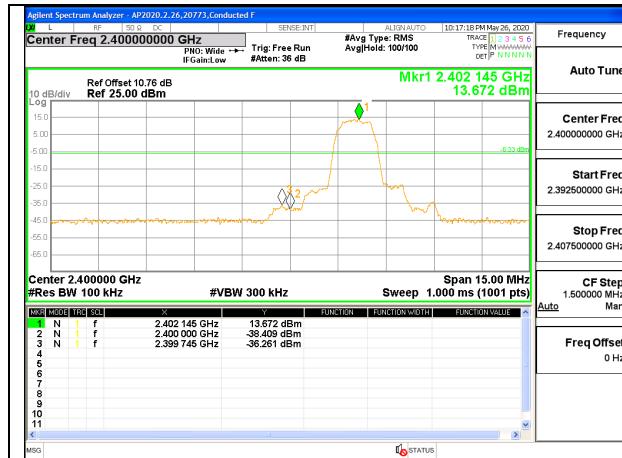


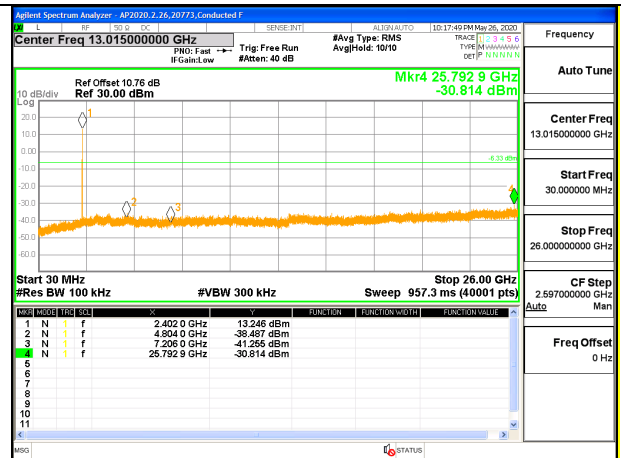
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



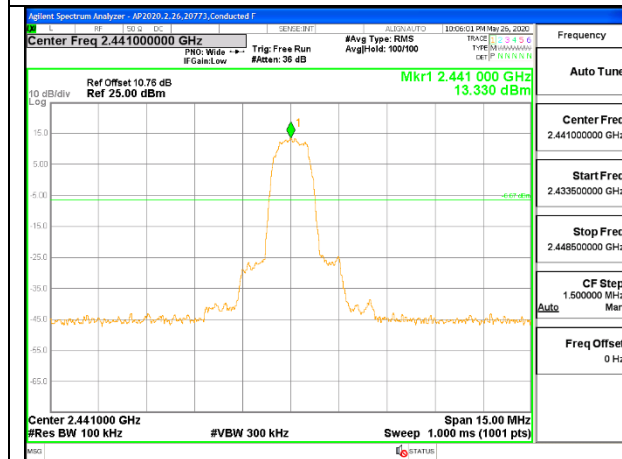
Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING



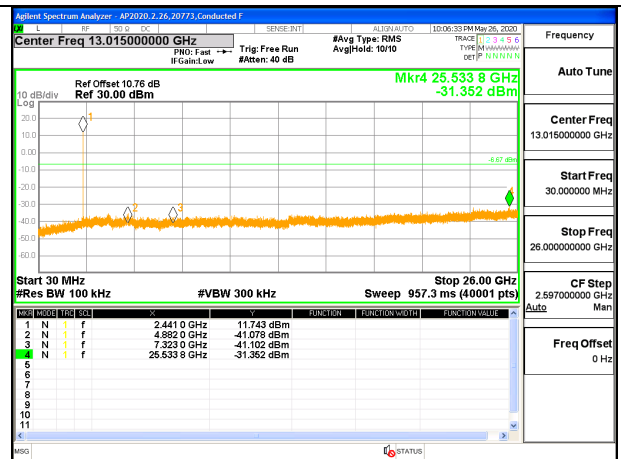
LOW CHANNEL BANDEDGE



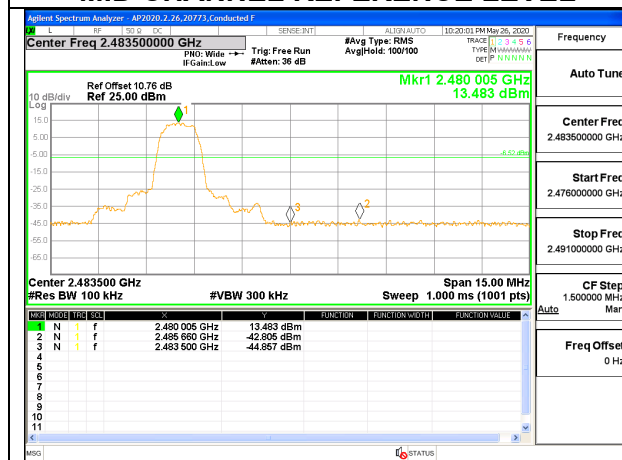
OUT-OF-BAND LOW CHANNEL



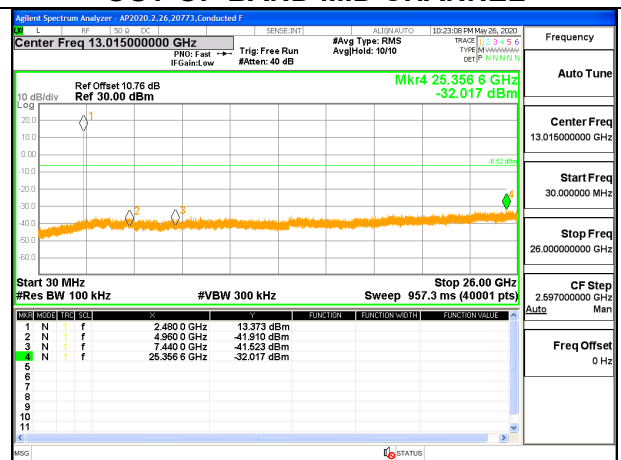
MID CHANNEL REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

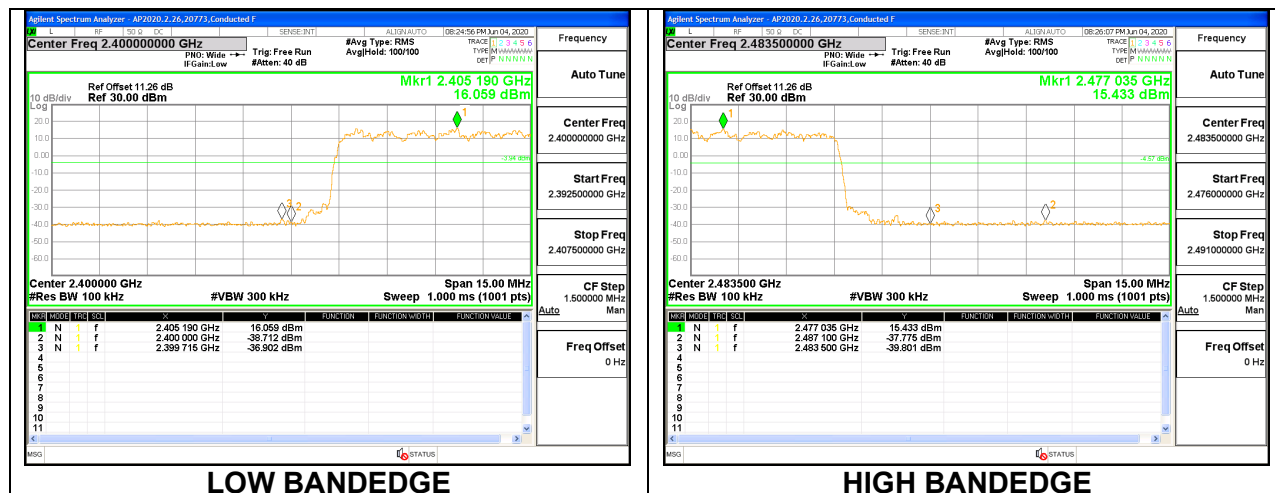


HIGH CHANNEL BANDEDGE



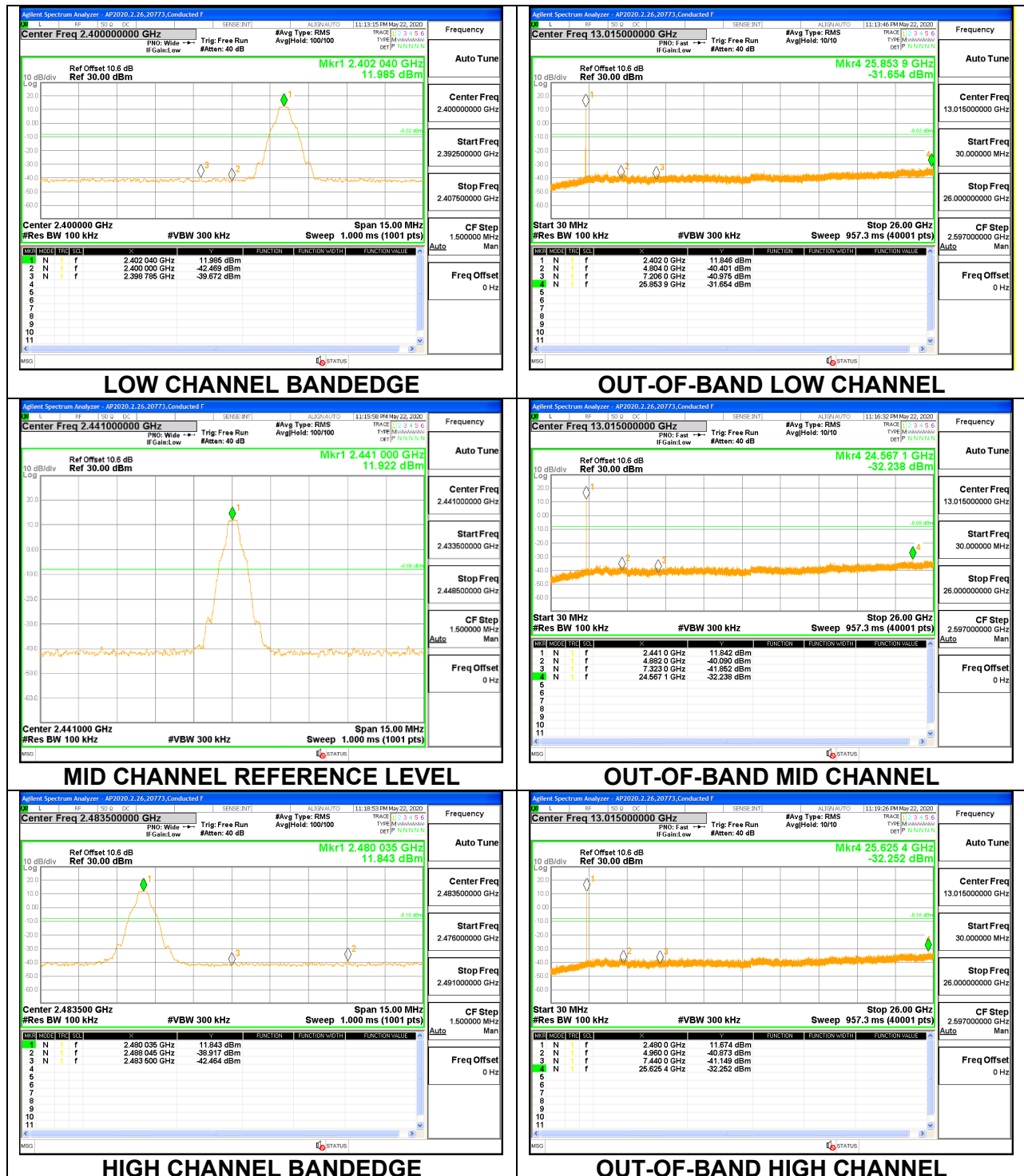
OUT-OF-BAND HIGH CHANNEL

Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

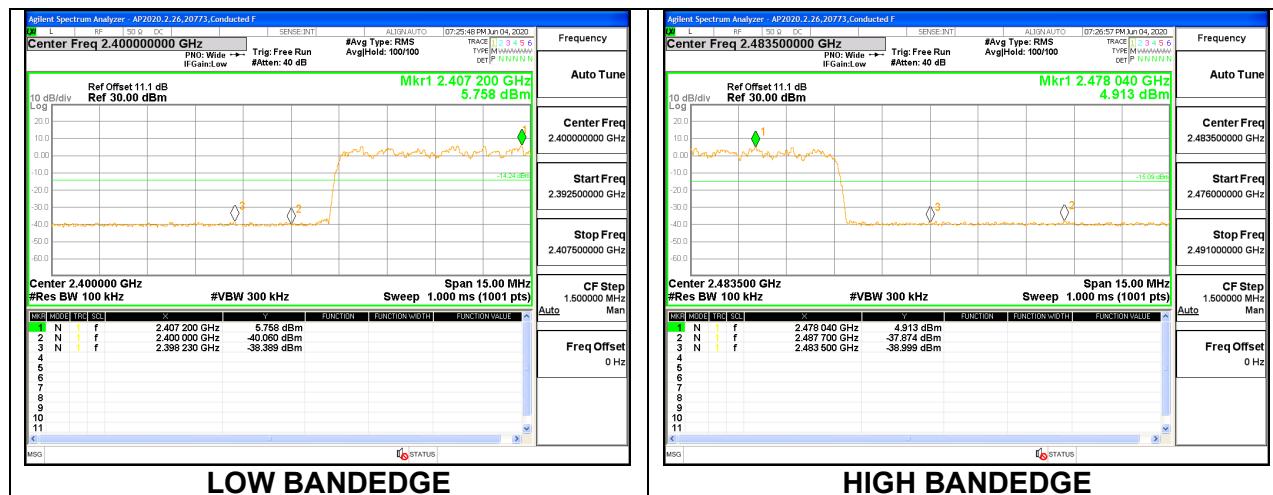


9.8.5. LOW POWER BASIC DATA RATE GFSK MODULATION

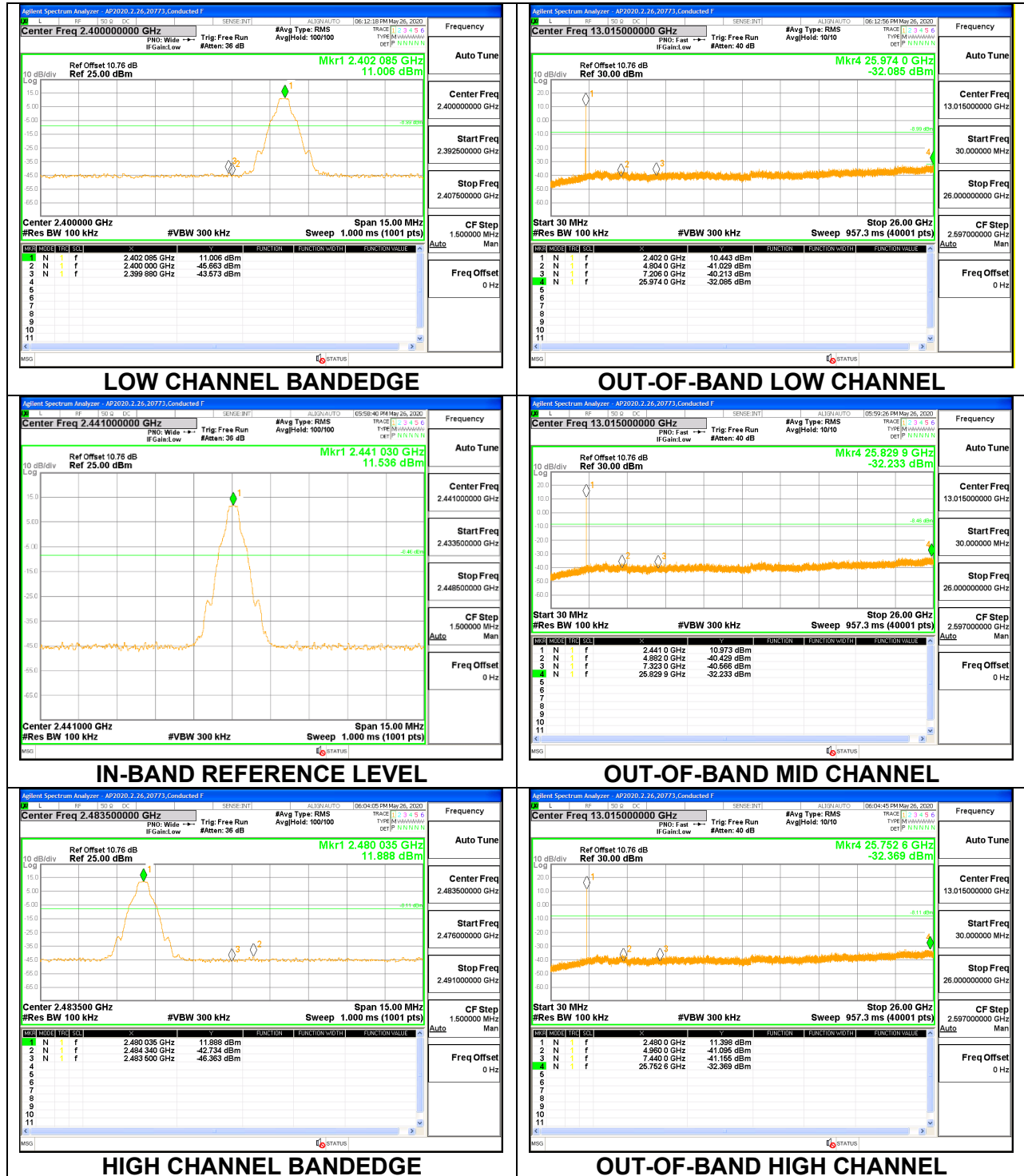
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



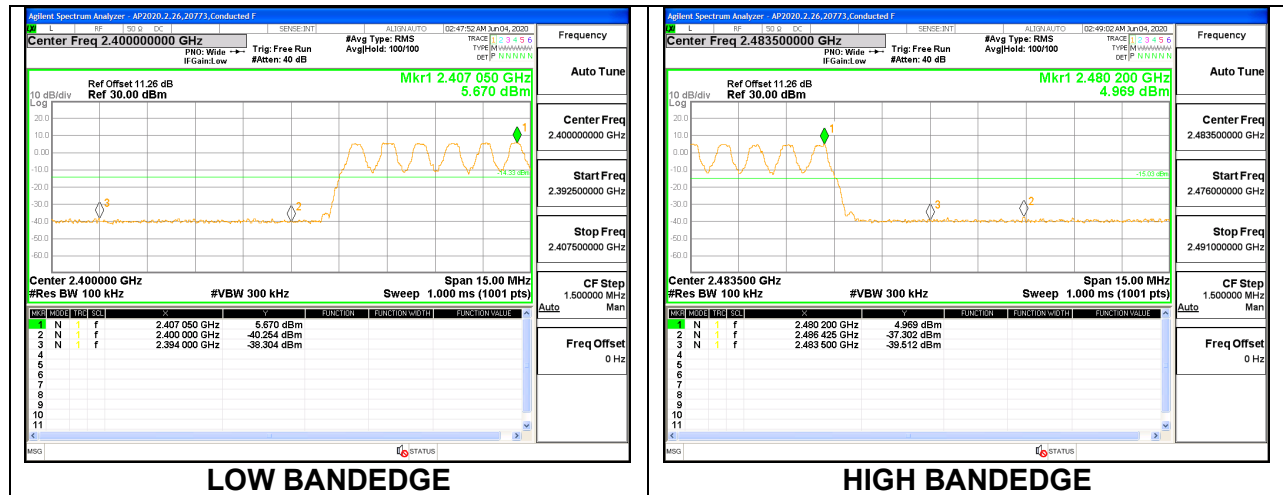
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING

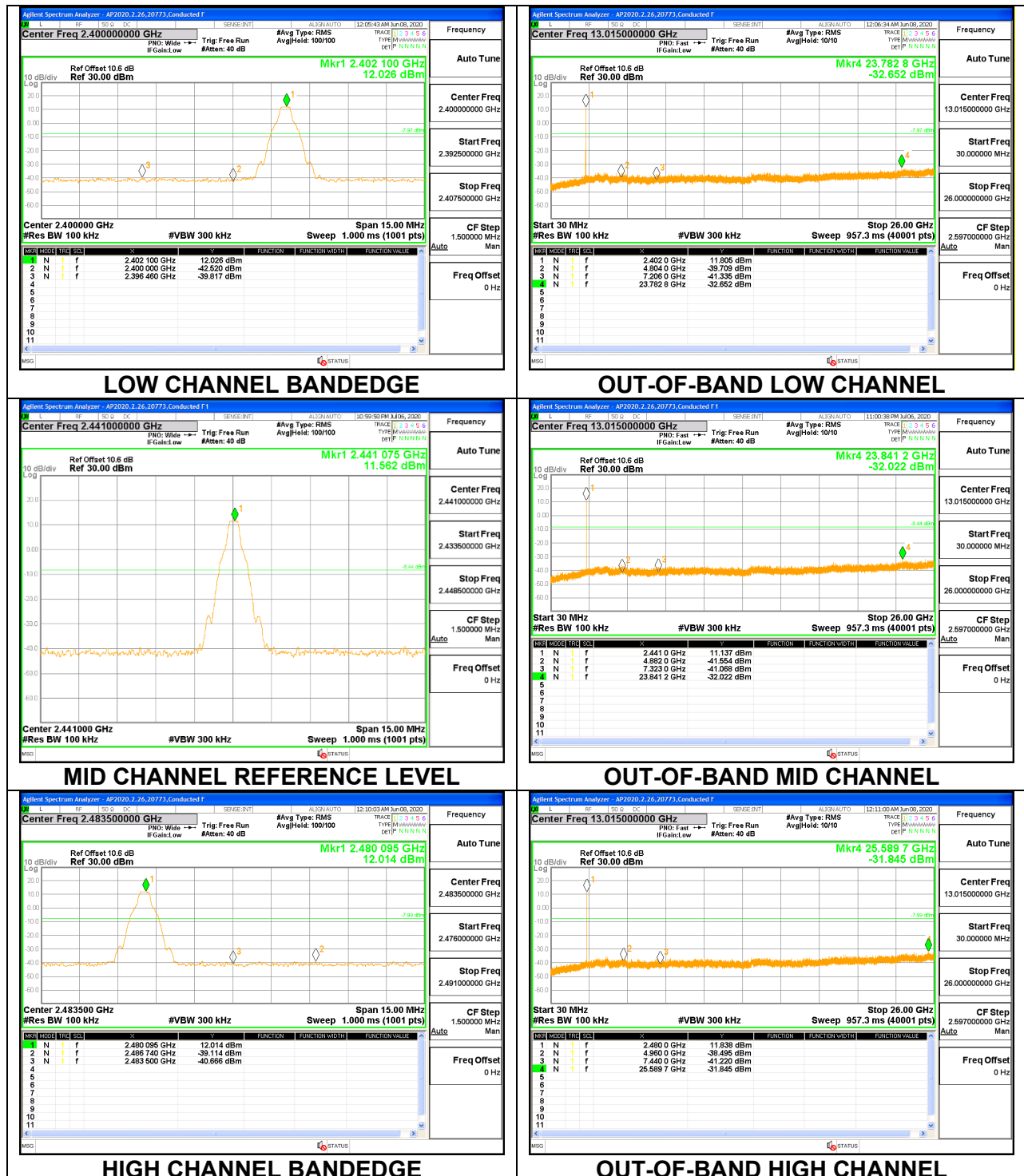


Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

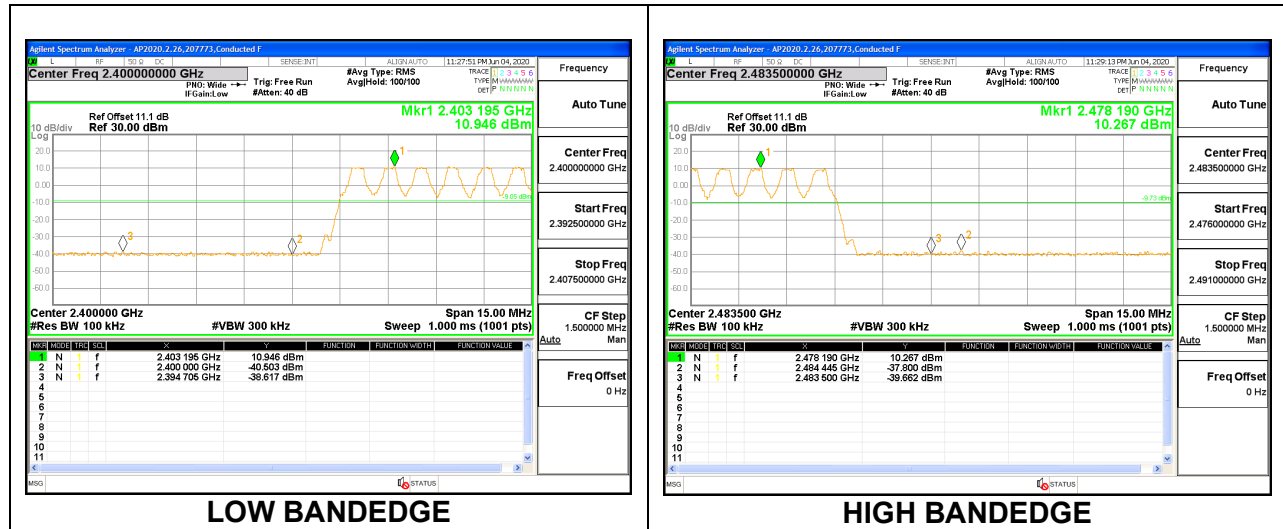


9.8.6. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

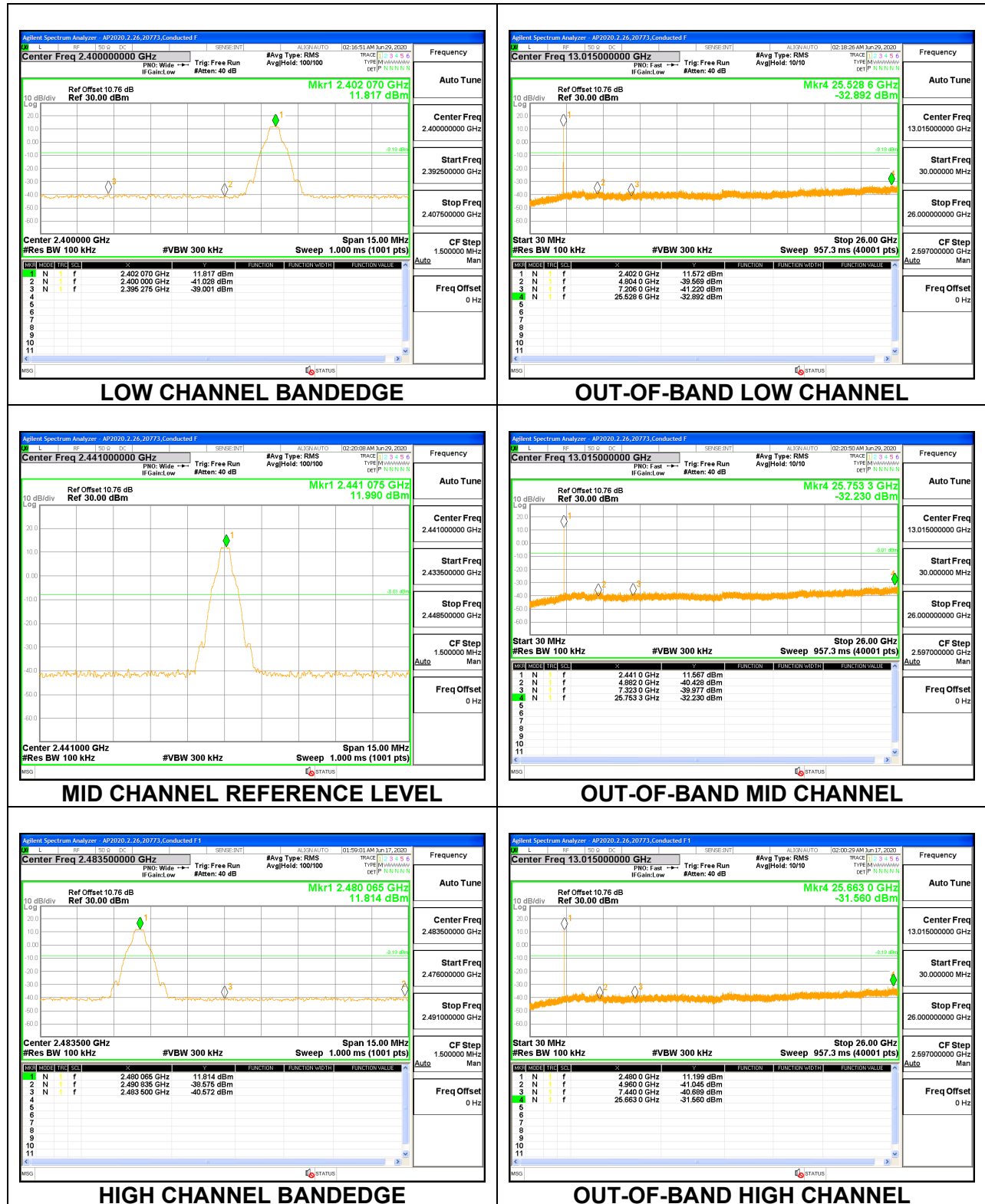
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



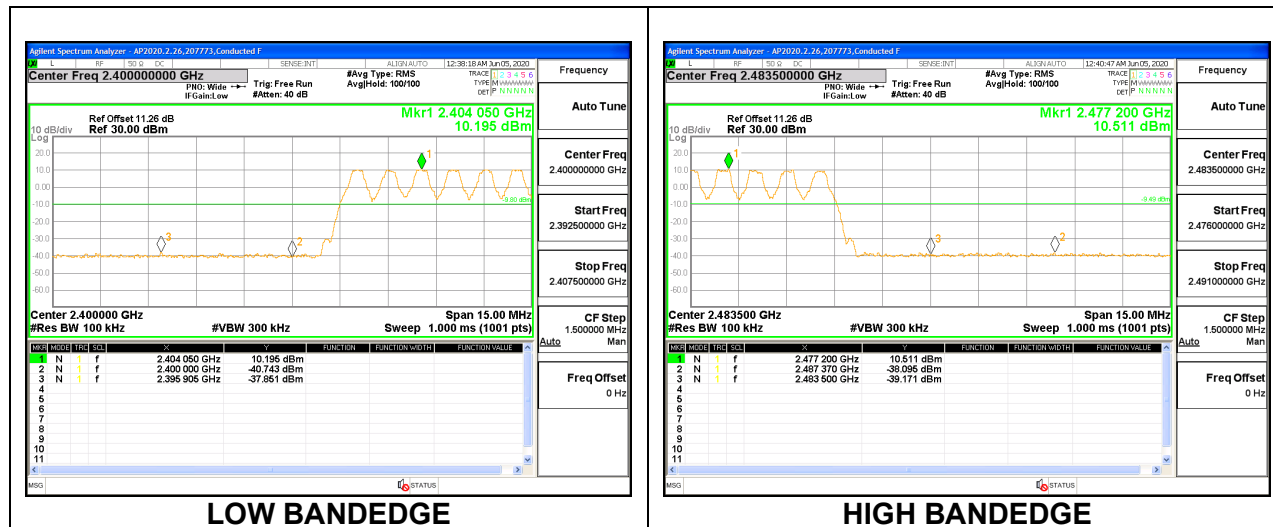
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING

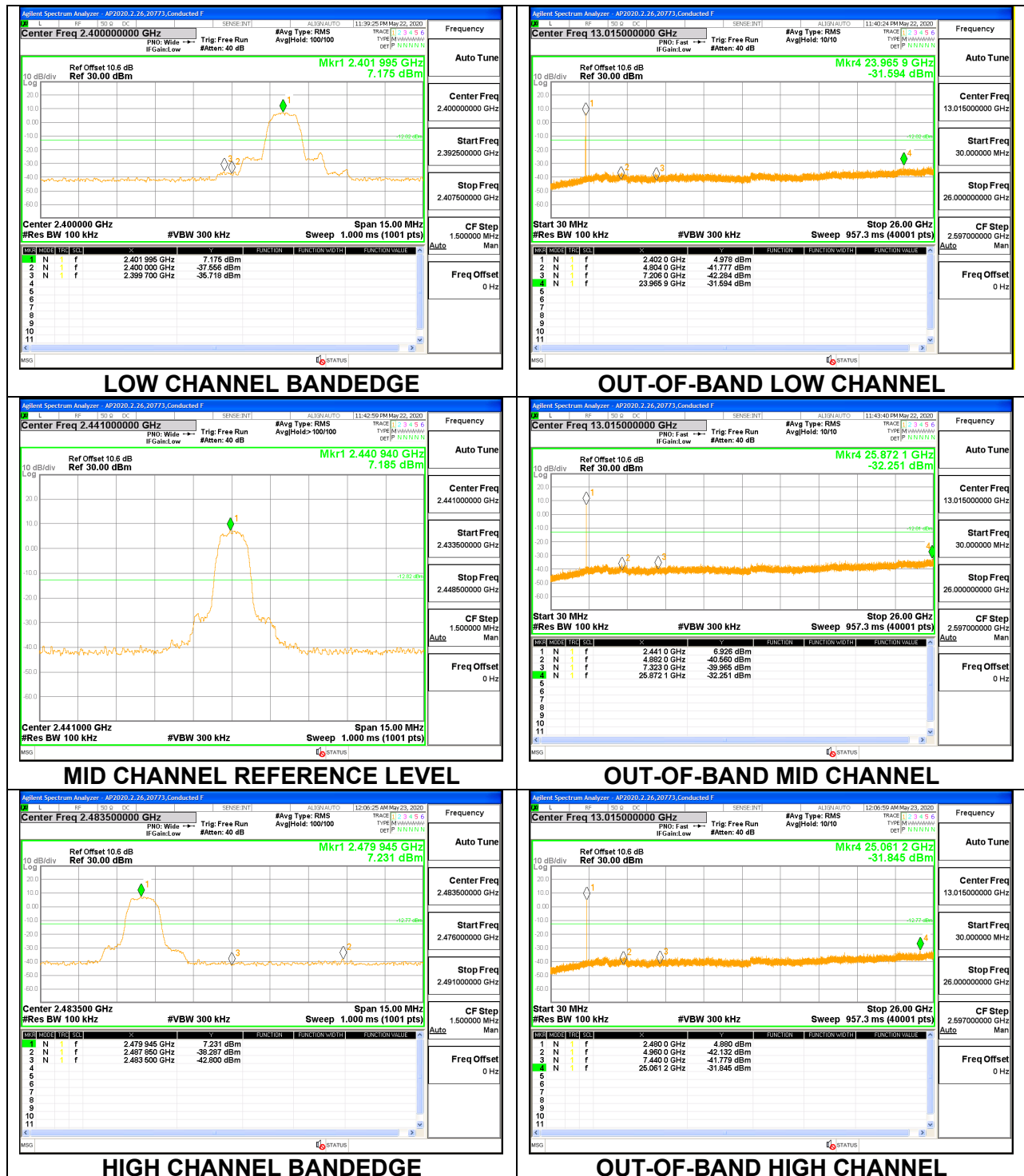


Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

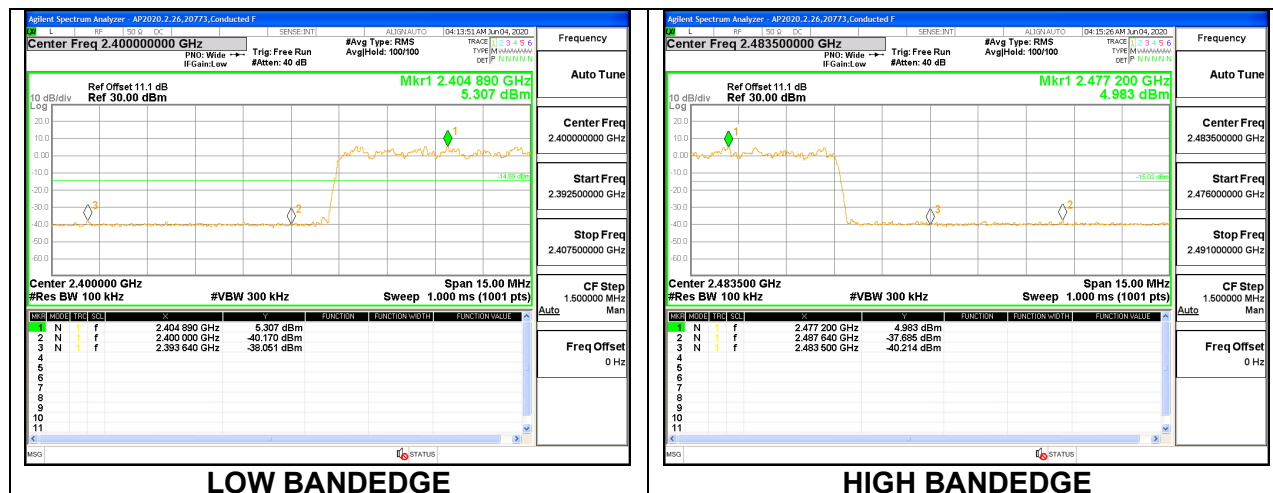


9.8.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

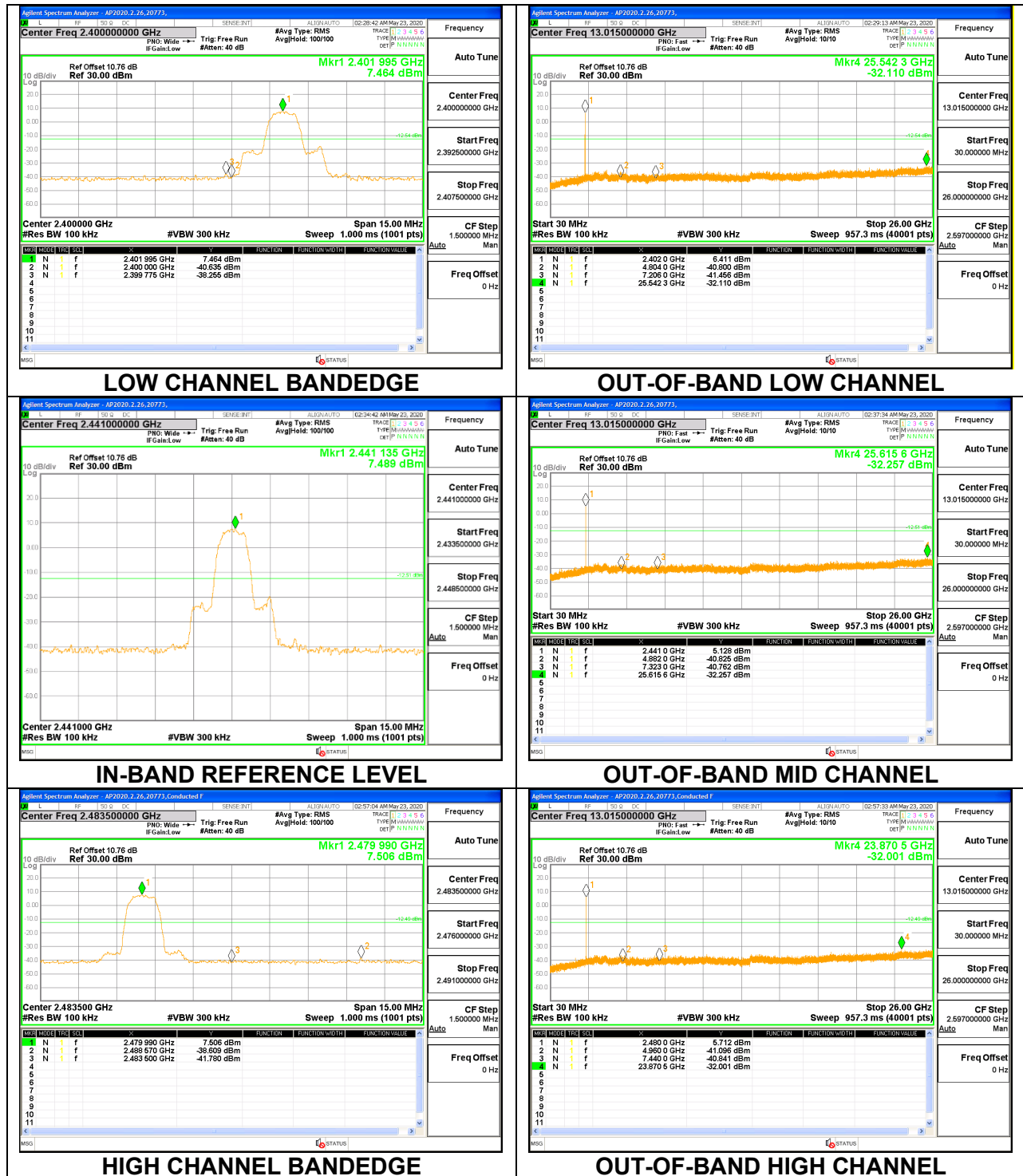
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



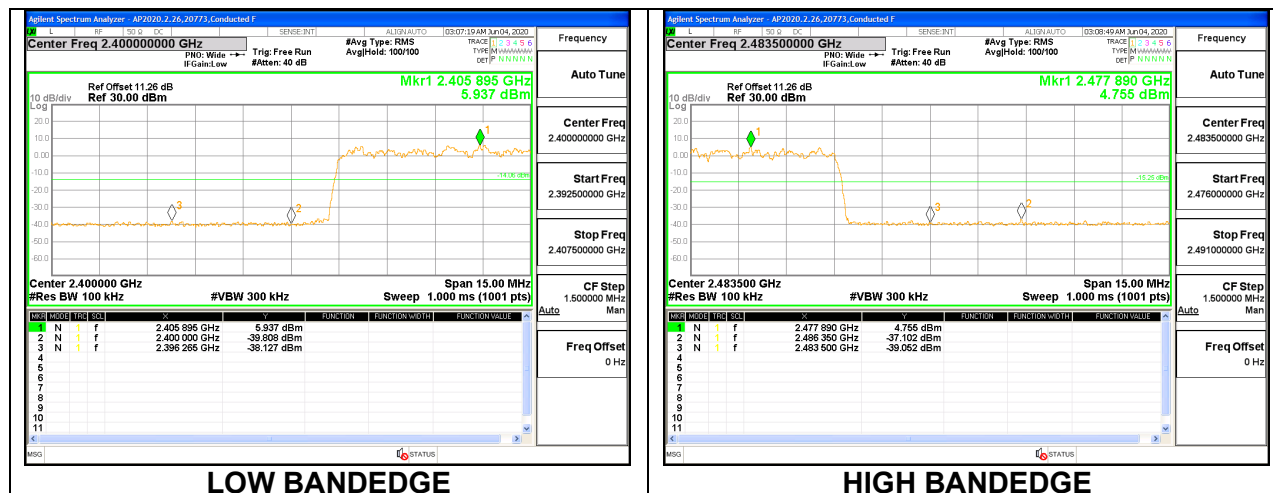
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING

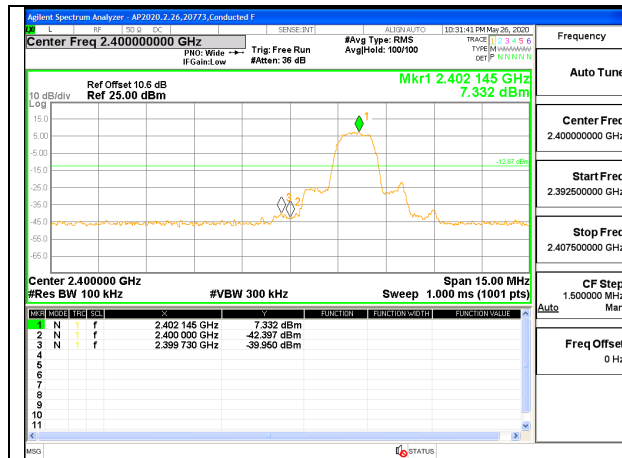


Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

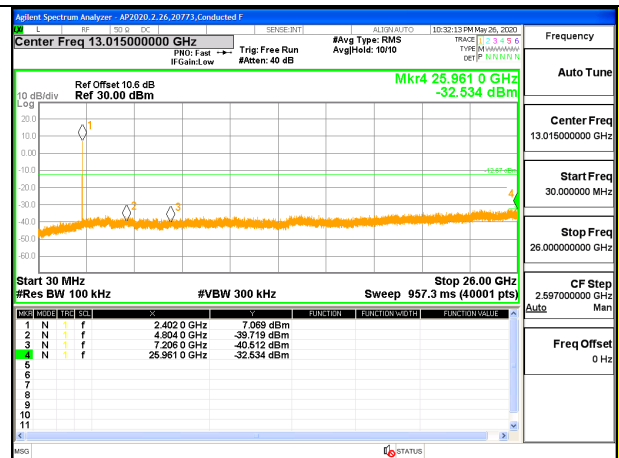


9.8.8. LOW POWER ENHANCED DATA RATE TXBF 8PSK MODULATION

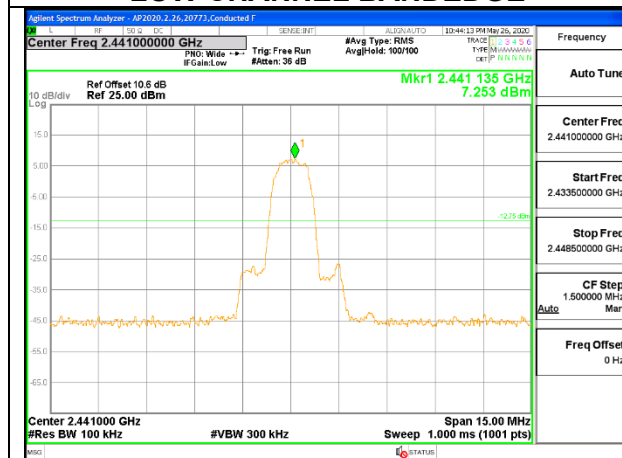
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



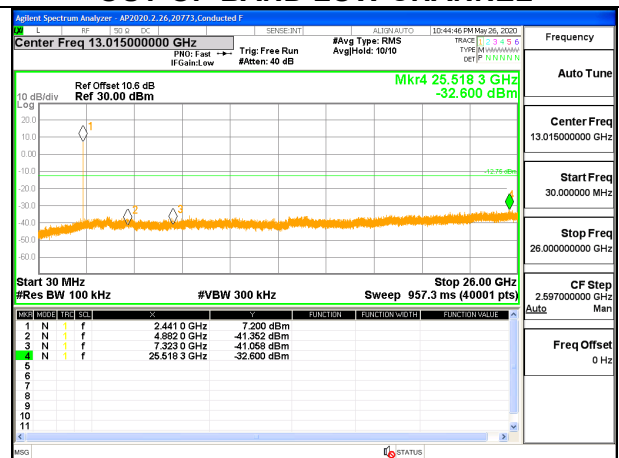
LOW CHANNEL BANDEDGE



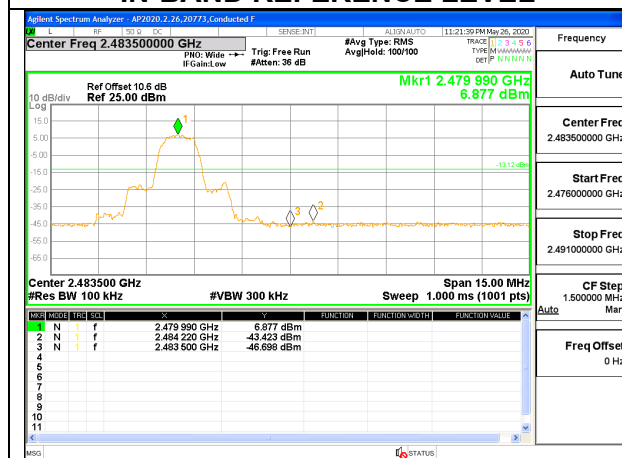
OUT-OF-BAND LOW CHANNEL



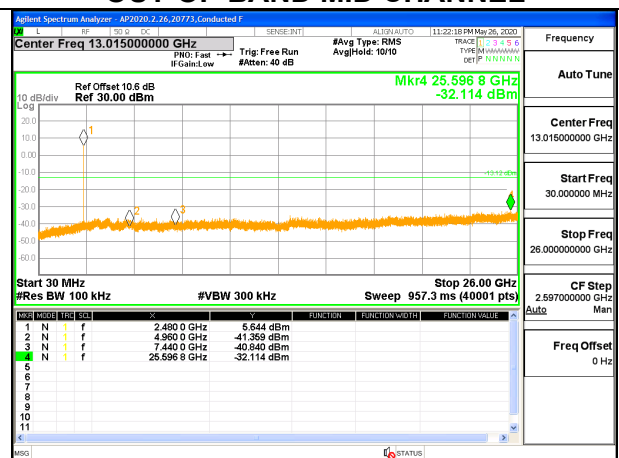
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

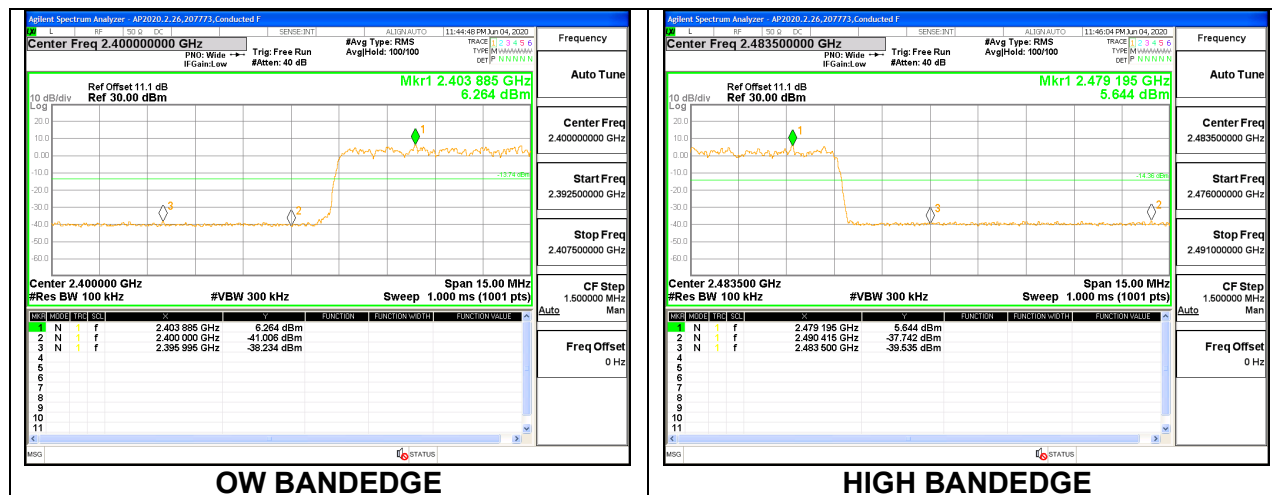


HIGH CHANNEL BANDEDGE

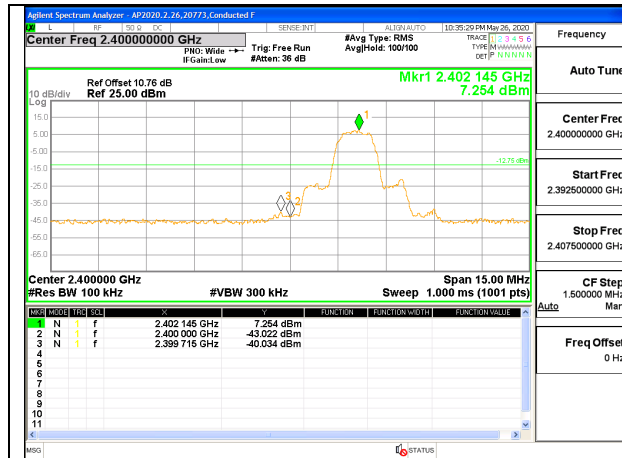


OUT-OF-BAND HIGH CHANNEL

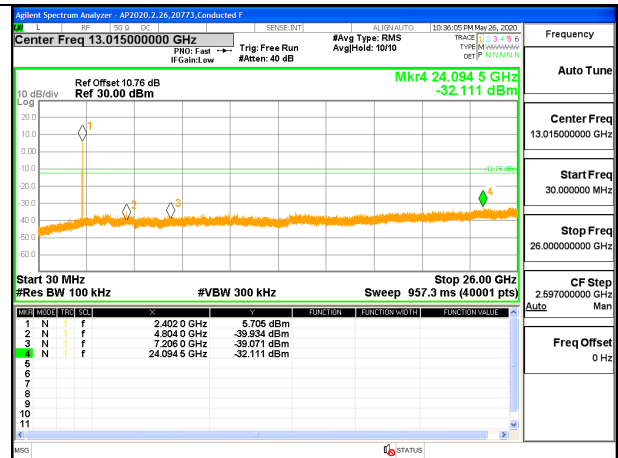
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



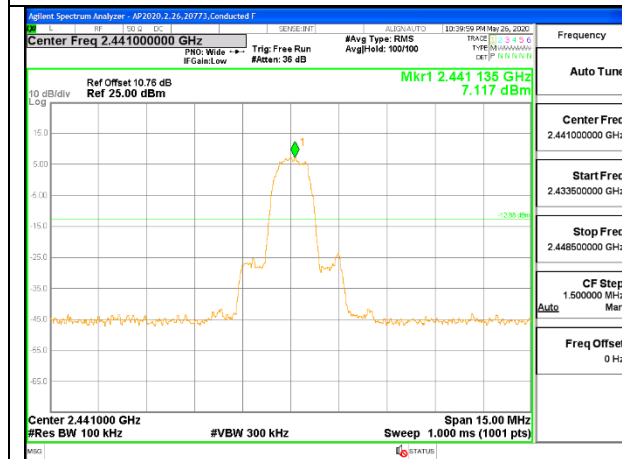
Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING



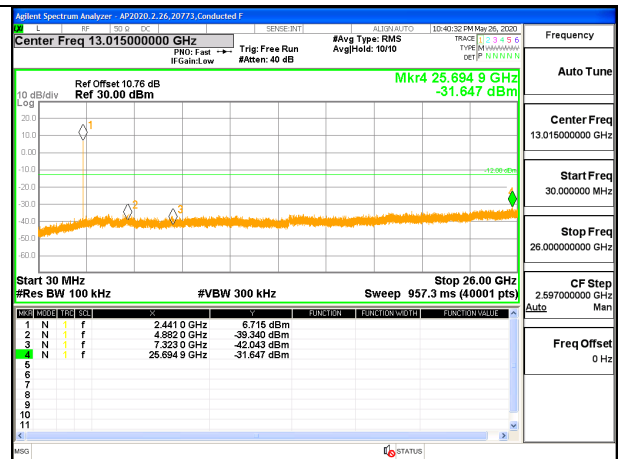
LOW CHANNEL BANDEDGE



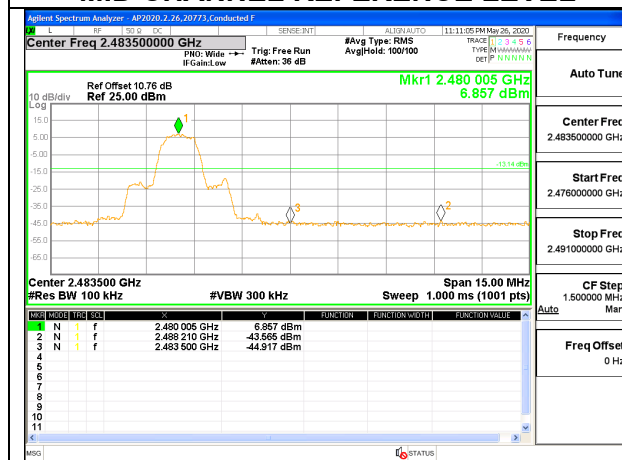
OUT-OF-BAND LOW CHANNEL



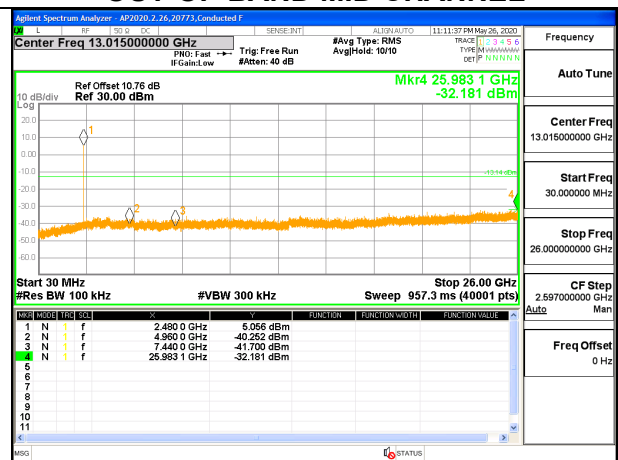
MID CHANNEL REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

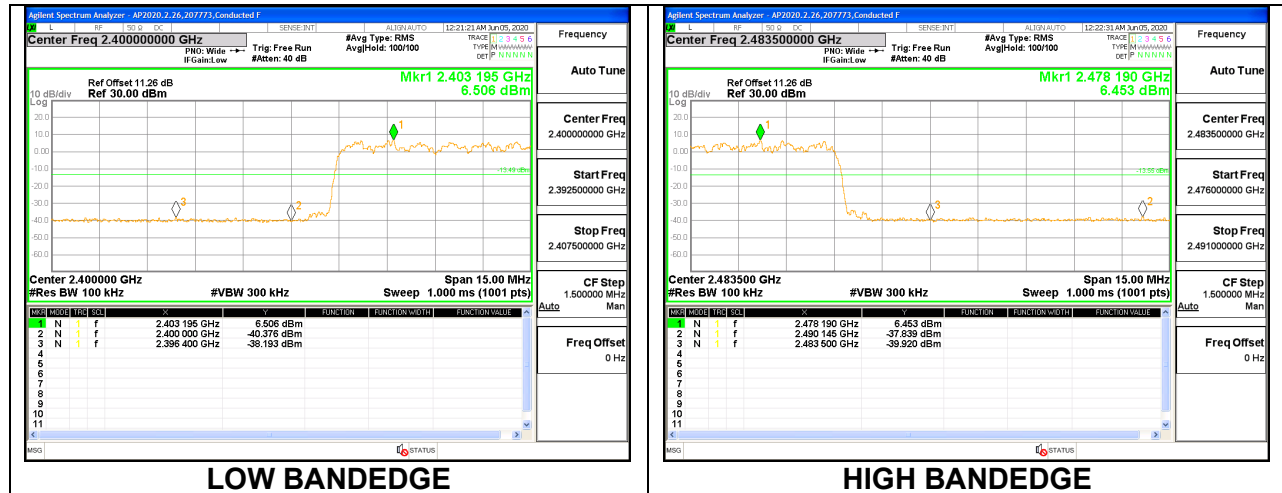


HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

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

TEST PROCEDURE

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

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

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

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements.

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

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

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

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

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.

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.

Results

High Power Beamforming GFSK mode is set to maximum power per chain to cover both SISO and MIMO modes to complies with radiated spurious emissions limits in the restricted bands between 1GHz and 18GHz low/mid/high channel (except the band edge).

Spurious emissions for frequencies below 1GHz and above 18GHz were limited to the middle channel as preliminary testing indicated that changing the operating frequency had no significant impact on the emissions in those frequency bands.

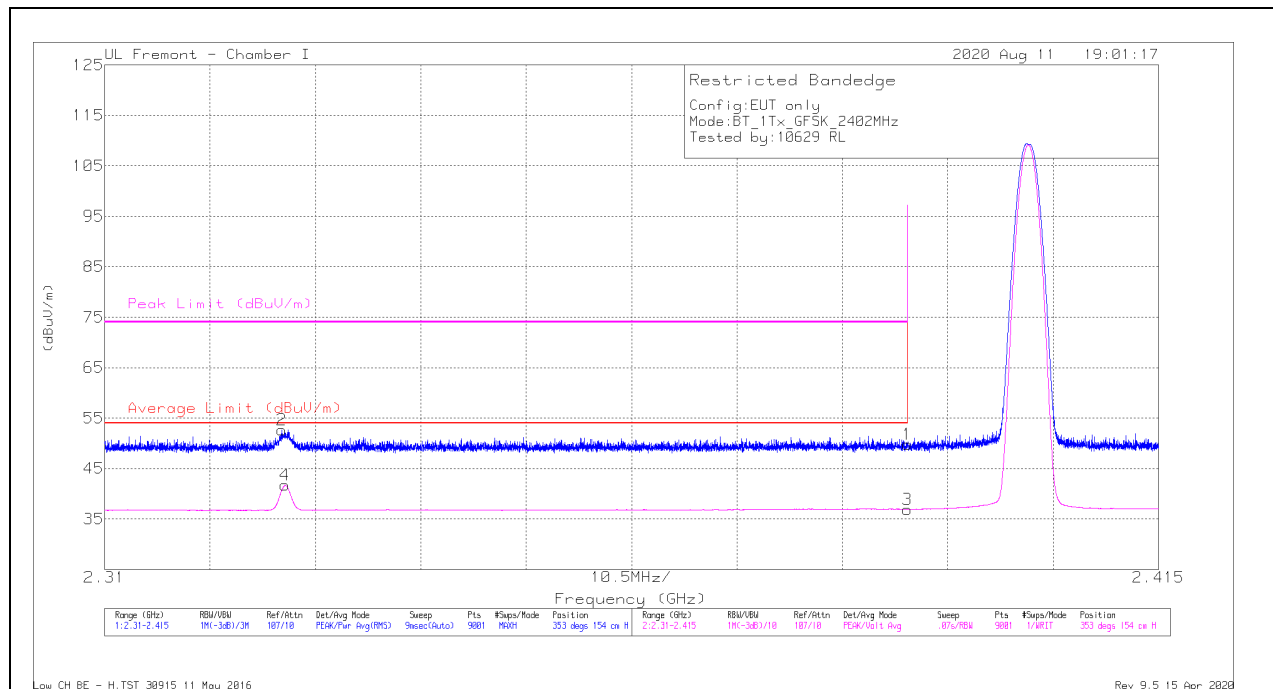
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



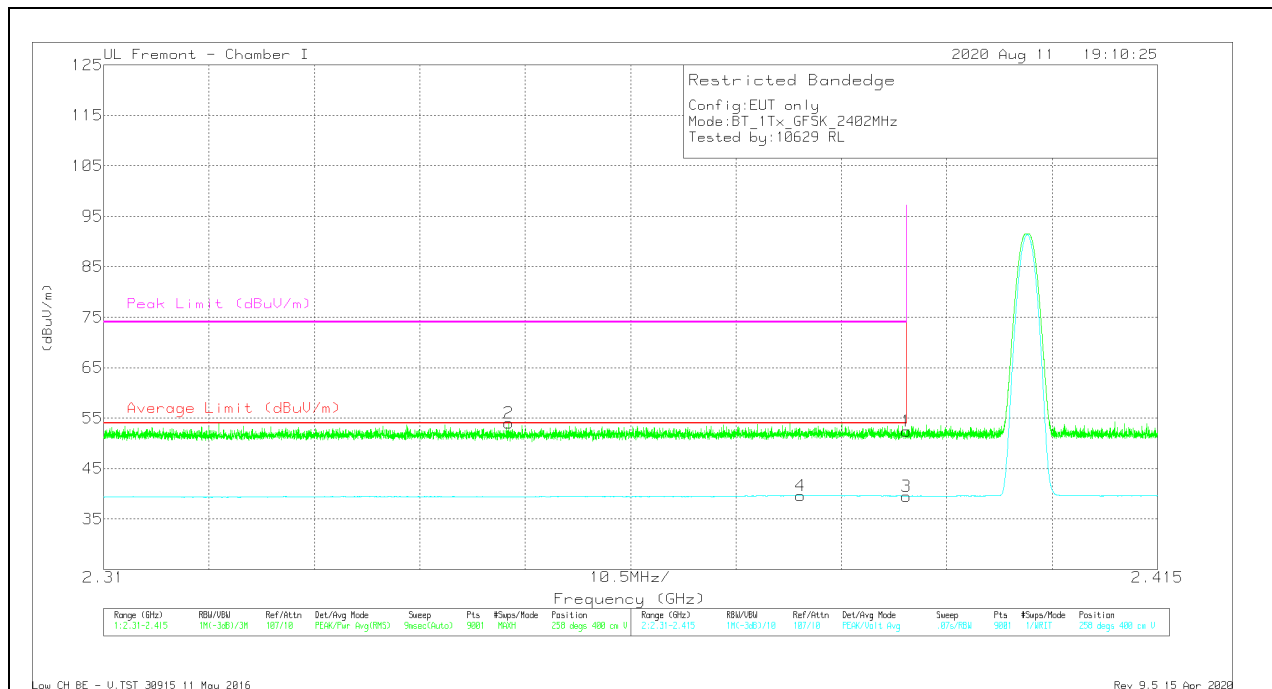
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	35.08	Pk	32	-17.3	49.78	-	-	74	-24.22	353	154	H
2	* 2.32763	38.19	Pk	31.7	-17.2	52.69	-	-	74	-21.31	353	154	H
3	* 2.38999	22.18	VA1T	32	-17.3	36.88	54	-17.12	-	-	353	154	H
4	* 2.32799	27.17	VA1T	31.7	-17.2	41.67	54	-12.33	-	-	353	154	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	AF T346 (dB/m)	Amp/Cbl/Fitr/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	* 2.38999	37.71	Pk	32	-17.3	52.41	-	-	74	-21.59	258	400	V
2	* 2.35037	39.45	Pk	31.8	-17.2	54.05	-	-	74	-19.95	258	400	V
3	* 2.38999	24.82	VA1T	32	-17.3	39.52	54	-14.48	-	-	258	400	V
4	* 2.37945	24.97	VA1T	32	-17.3	39.67	54	-14.33	-	-	258	400	V

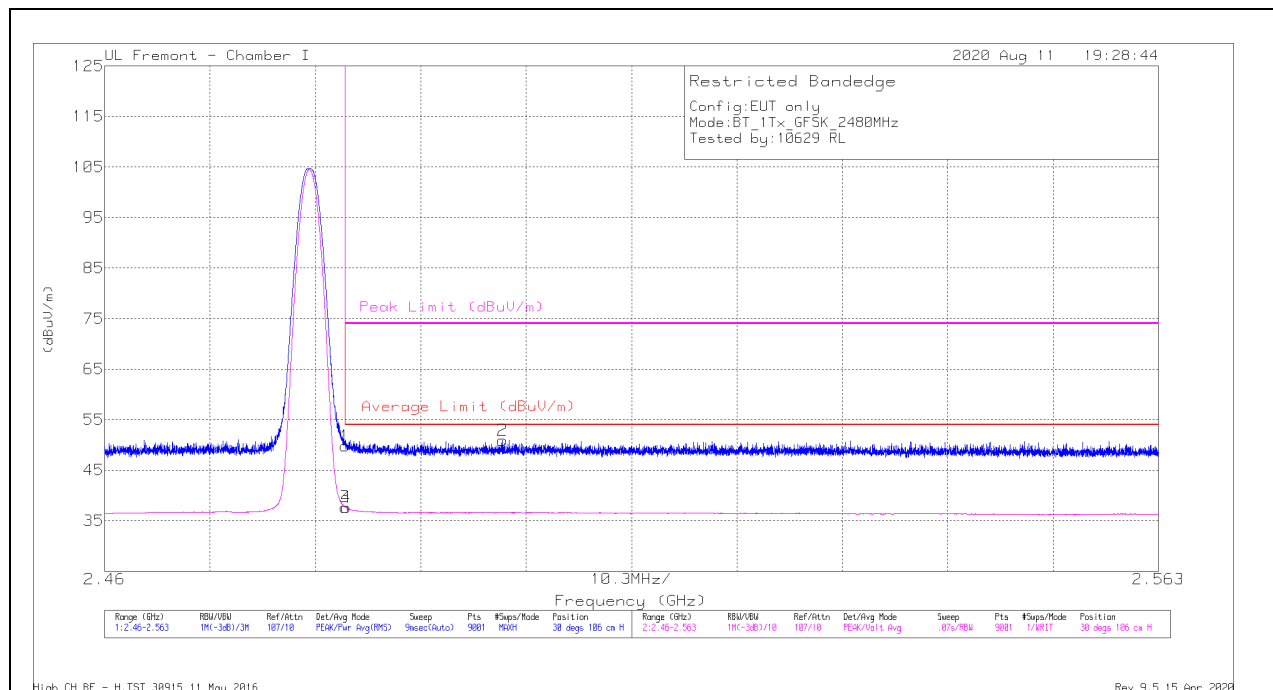
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



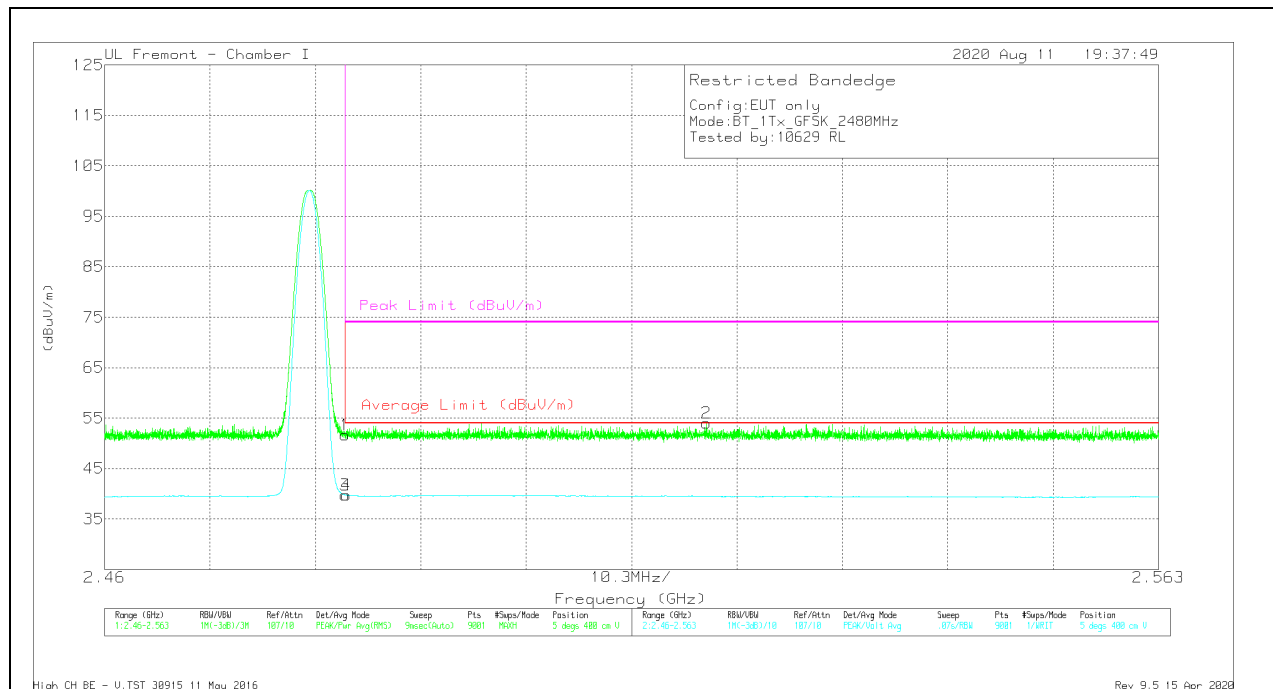
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	35.15	Pk	32.4	-17.7	49.85	-	-	74	-24.15	30	106	H
2	* 2.49889	36.2	Pk	32.5	-17.8	50.9	-	-	74	-23.1	30	106	H
3	* 2.48351	22.99	VA1T	32.4	-17.7	37.69	54	-16.31	-	-	30	106	H
4	* 2.4836	22.89	VA1T	32.4	-17.7	37.59	54	-16.41	-	-	30	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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/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	* 2.48351	36.98	Pk	32.4	-17.7	51.68	-	-	74	-22.32	5	400	V
2	2.51879	39.33	Pk	32.5	-17.8	54.03	-	-	74	-19.97	5	400	V
3	* 2.48351	25.07	VA1T	32.4	-17.7	39.77	54	-14.23	-	-	5	400	V
4	* 2.4836	25	VA1T	32.4	-17.7	39.7	54	-14.3	-	-	5	400	V

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

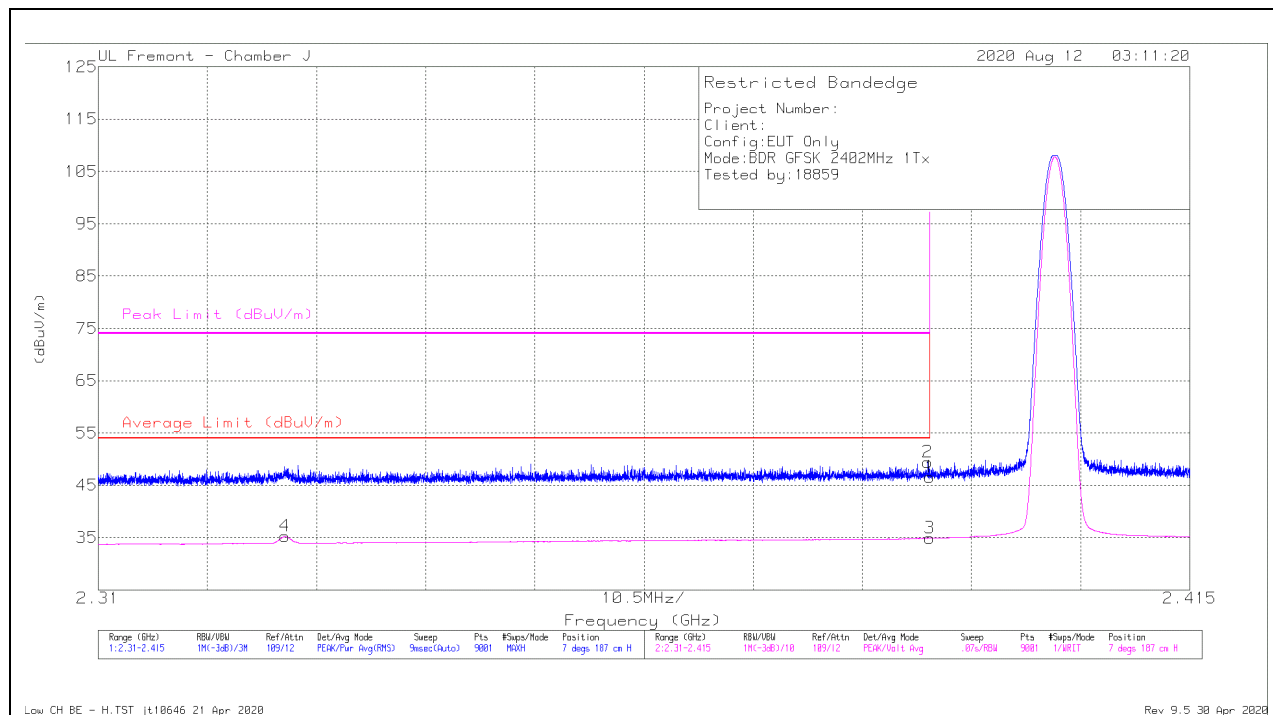
Pk - Peak detector

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



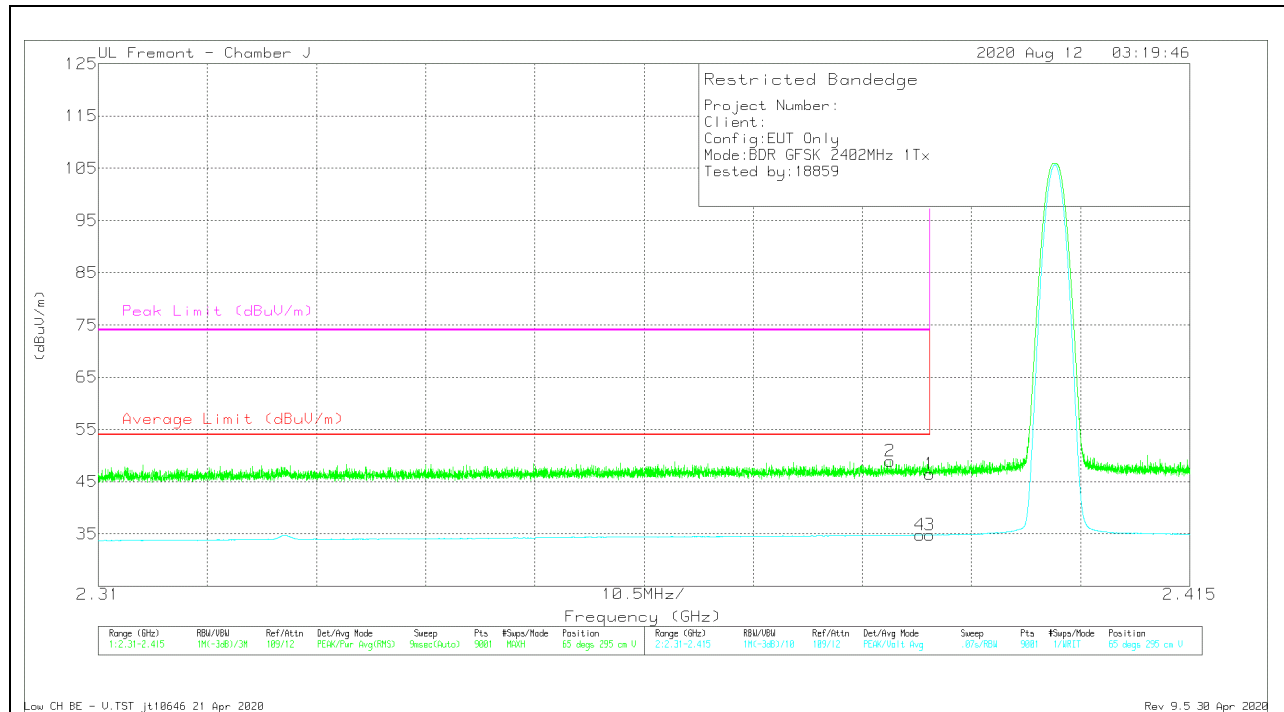
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dBm)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.29	Pk	29	-14.7	46.59	-	-	74	-27.41	7	187	H
2	* 2.38979	35.15	Pk	29	-14.7	49.45	-	-	74	-24.55	7	187	H
3	* 2.38999	20.64	VA1T	29	-14.7	34.84	54	-19.16	-	-	7	187	H
4	* 2.32796	21.22	VA1T	28.9	-14.9	35.22	54	-18.78	-	-	7	187	H

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

Pk - Peak detector

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.16	Pk	29	-14.7	46.46	-	-	74	-27.54	65	295	V
2	* 2.38616	34.63	Pk	29	-14.7	48.93	-	-	74	-25.07	65	295	V
3	* 2.38999	20.49	VA1T	29	-14.7	34.79	54	-19.21	-	-	65	295	V
4	* 2.38906	20.52	VA1T	29	-14.7	34.82	54	-19.18	-	-	65	295	V

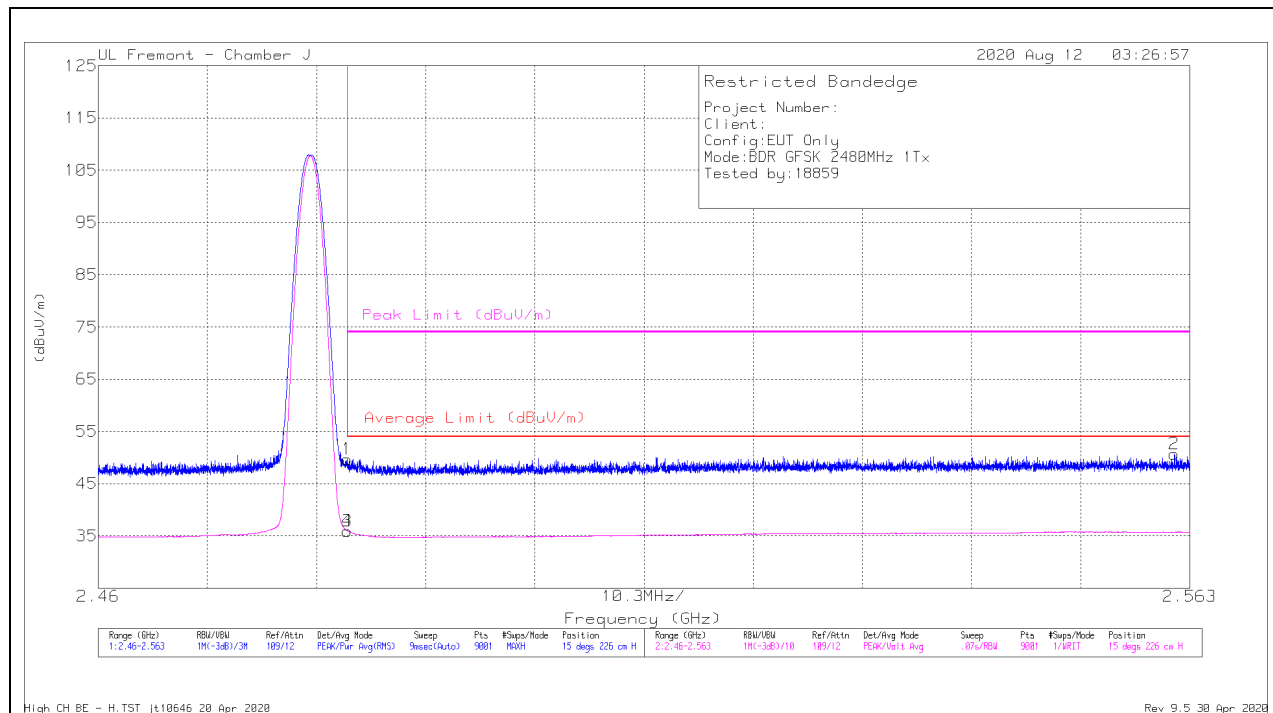
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



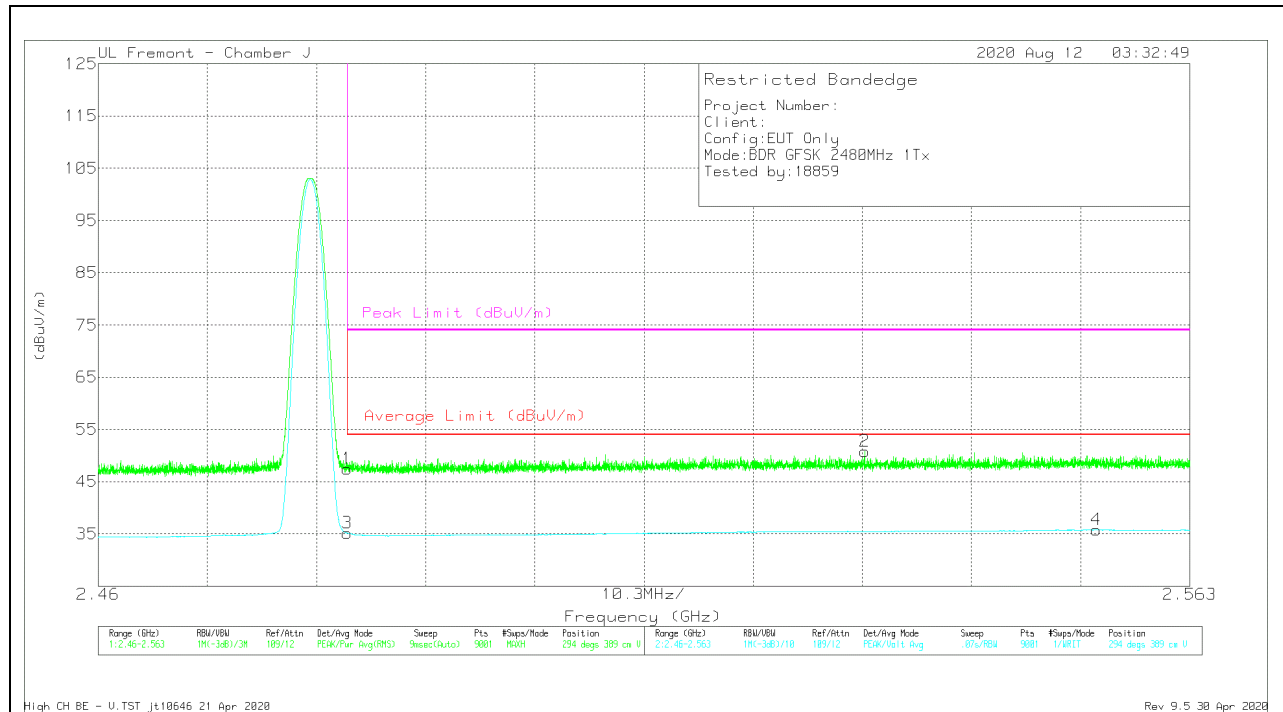
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	34.82	Pk	29.5	-14.6	49.72	-	-	74	-24.28	15	226	H
2	2.56155	35.24	Pk	29.8	-14.4	50.64	-	-	74	-23.36	15	226	H
3	* 2.48351	21.04	VA1T	29.5	-14.6	35.94	54	-18.06	-	-	15	226	H
4	* 2.48352	21.04	VA1T	29.5	-14.6	35.94	54	-18.06	-	-	15	226	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	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	32.49	Pk	29.5	-14.6	47.39	-	-	74	-26.61	294	389	V
2	2.53231	35.52	Pk	29.8	-14.5	50.82	-	-	74	-23.18	294	389	V
3	* 2.48351	20.23	VA1T	29.5	-14.6	35.13	54	-18.87	-	-	294	389	V
4	2.55418	20.27	VA1T	29.9	-14.4	35.77	54	-18.23	-	-	294	389	V

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

Pk - Peak detector

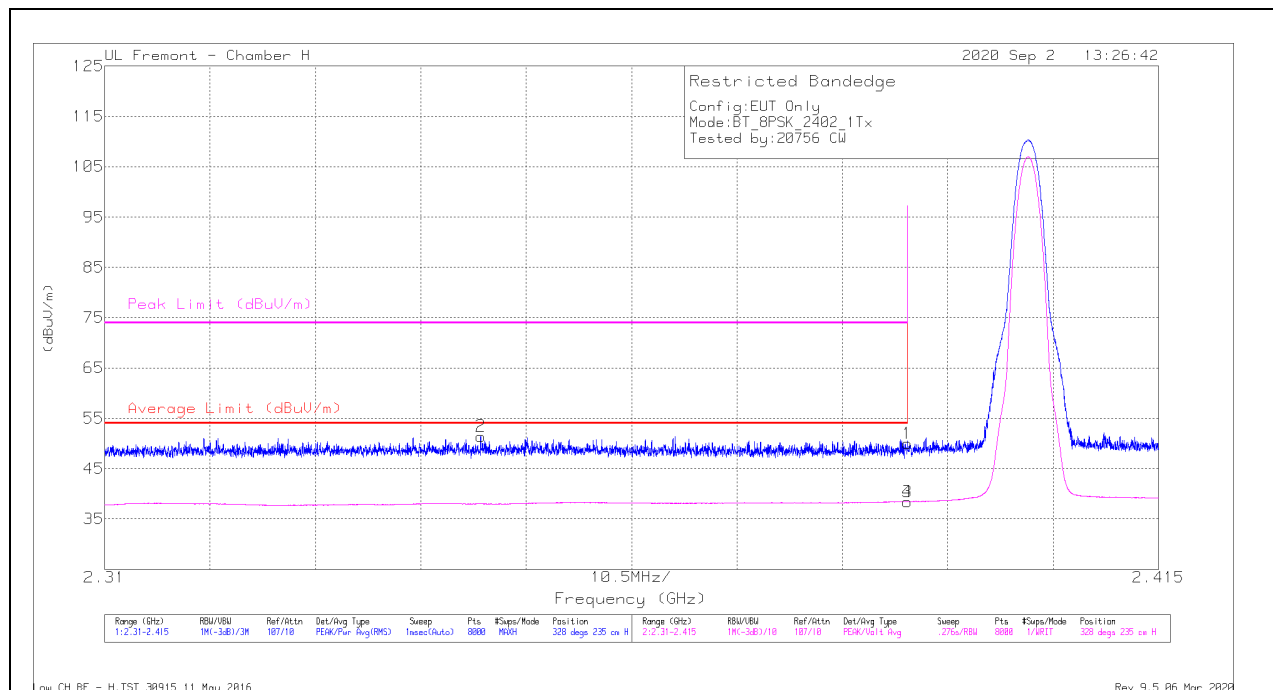
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.2. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



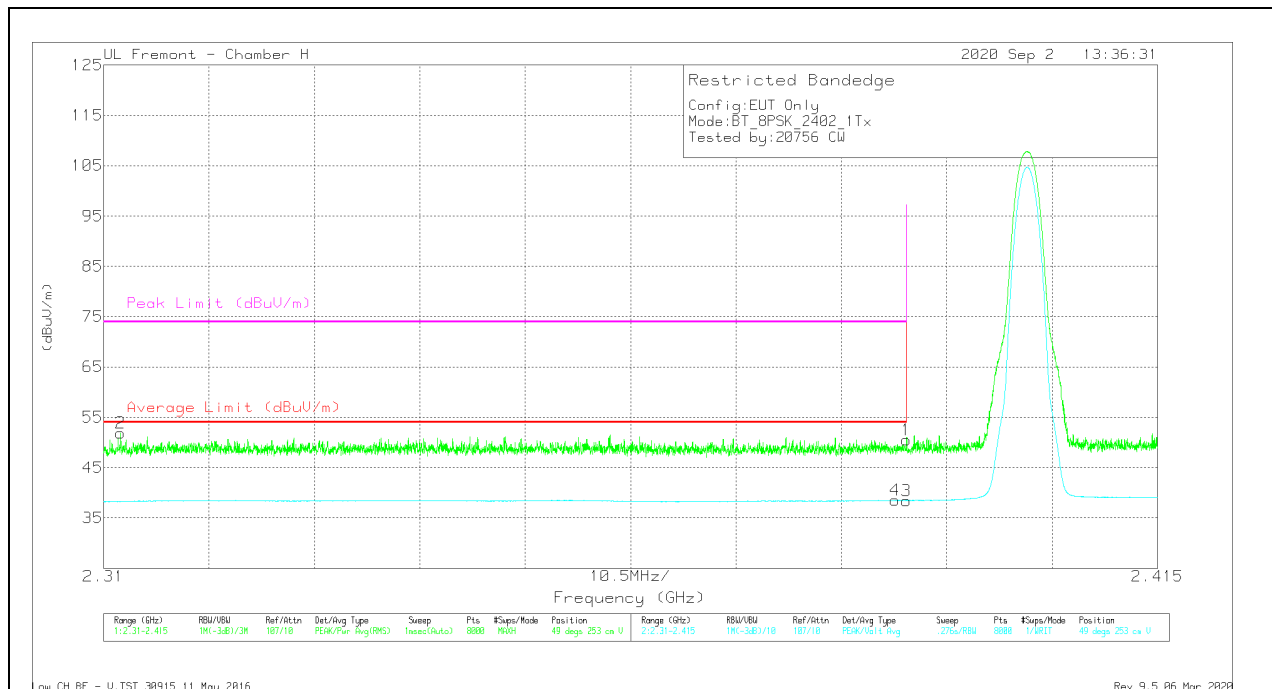
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.97	Pk	31.8	-23.8	49.97	-	-	74	-24.03	328	235	H
2	* 2.34746	43.44	Pk	31.9	-23.9	51.44	-	-	74	-22.56	328	235	H
3	* 2.39	30.44	VA1T	31.8	-23.8	38.44	54	-15.56	-	-	328	235	H
4	* 2.38996	30.45	VA1T	31.8	-23.8	38.45	54	-15.55	-	-	328	235	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	AF T862 (dB/m)	Amp/Cbl/Fitr/Pa d (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	42.5	Pk	31.8	-23.8	50.5	-	-	74	-23.5	49	253	V
2	* 2.31168	44.13	Pk	31.7	-24	51.83	-	-	74	-22.17	49	253	V
3	* 2.39	30.45	VA1T	31.8	-23.8	38.45	54	-15.55	-	-	49	253	V
4	* 2.38887	30.52	VA1T	31.8	-23.8	38.52	54	-15.48	-	-	49	253	V

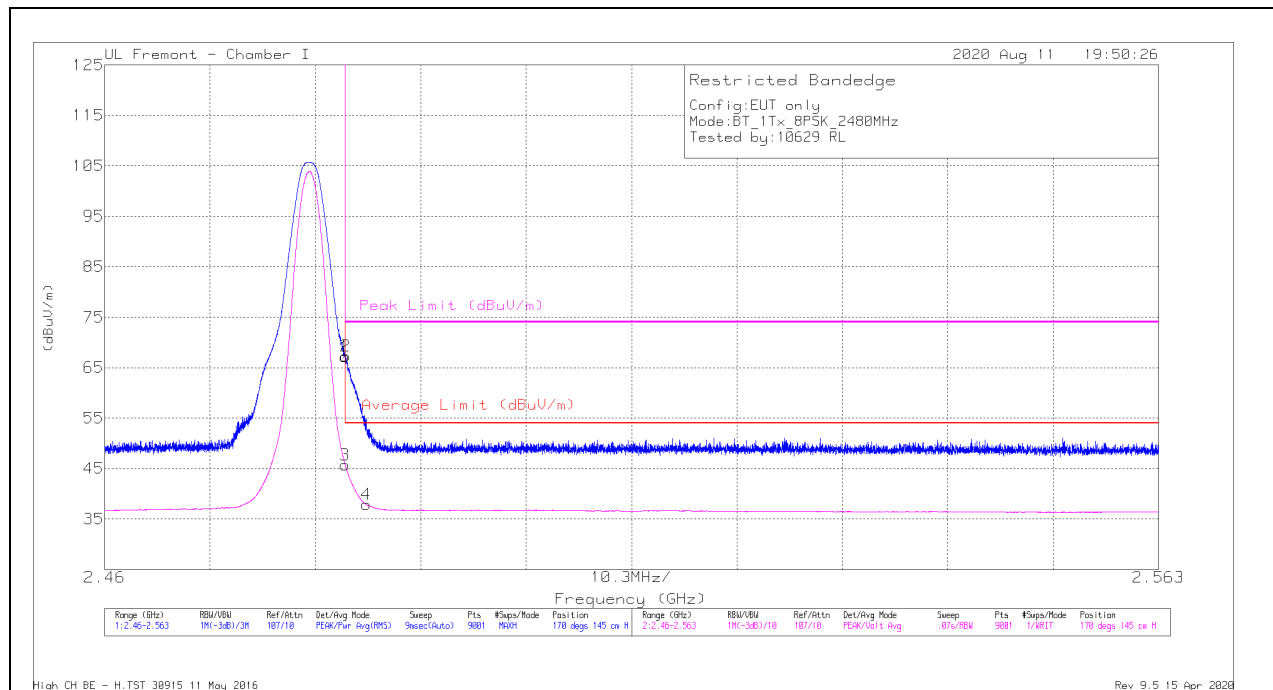
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



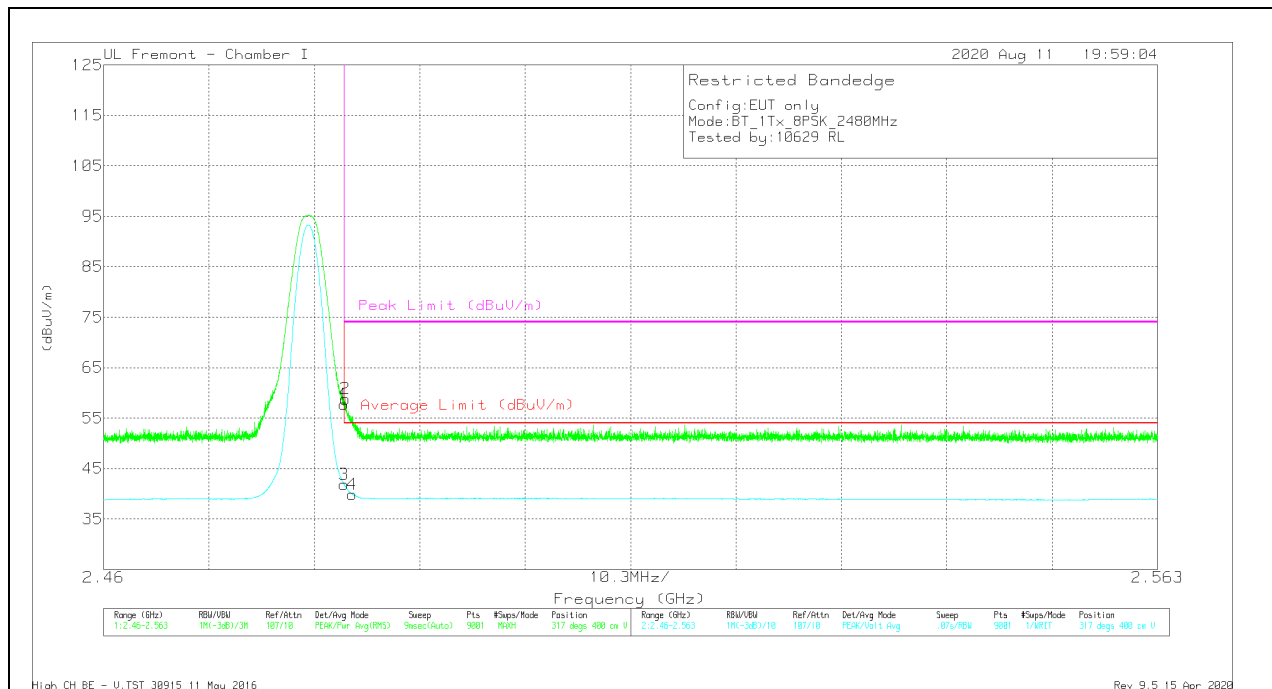
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb1/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	52.42	Pk	32.4	-17.7	67.12	-	-	74	-6.88	170	145	H
2	* 2.48353	52.59	Pk	32.4	-17.7	67.29	-	-	74	-6.71	170	145	H
3	* 2.48351	30.99	VA1T	32.4	-17.7	45.69	54	-8.31	-	-	170	145	H
4	* 2.48558	23.05	VA1T	32.5	-17.7	37.85	54	-16.15	-	-	170	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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.03	Pk	32.4	-17.7	57.73	-	-	74	-16.27	317	400	V
2	* 2.48364	44.1	Pk	32.4	-17.7	58.8	-	-	74	-15.2	317	400	V
3	* 2.48351	27.1	VA1T	32.4	-17.7	41.8	54	-12.2	-	-	317	400	V
4	* 2.48431	25.2	VA1T	32.4	-17.7	39.9	54	-14.1	-	-	317	400	V

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

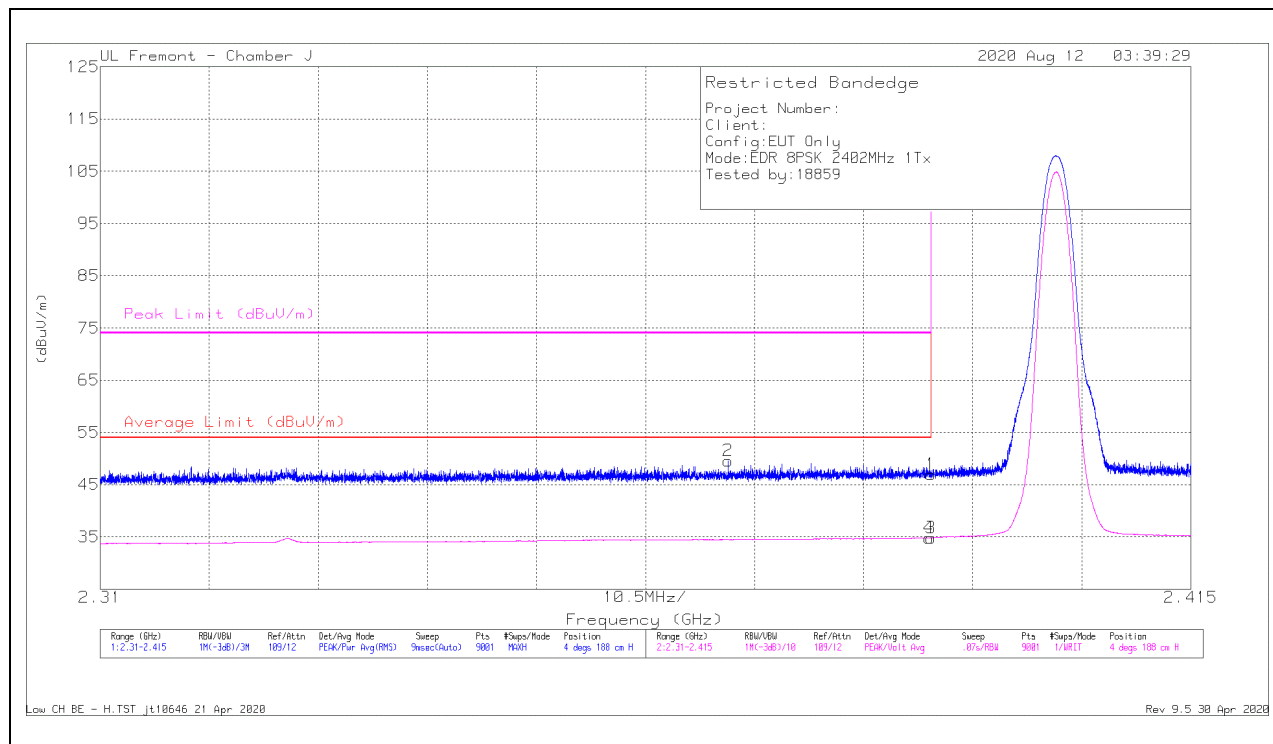
Pk - Peak detector

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



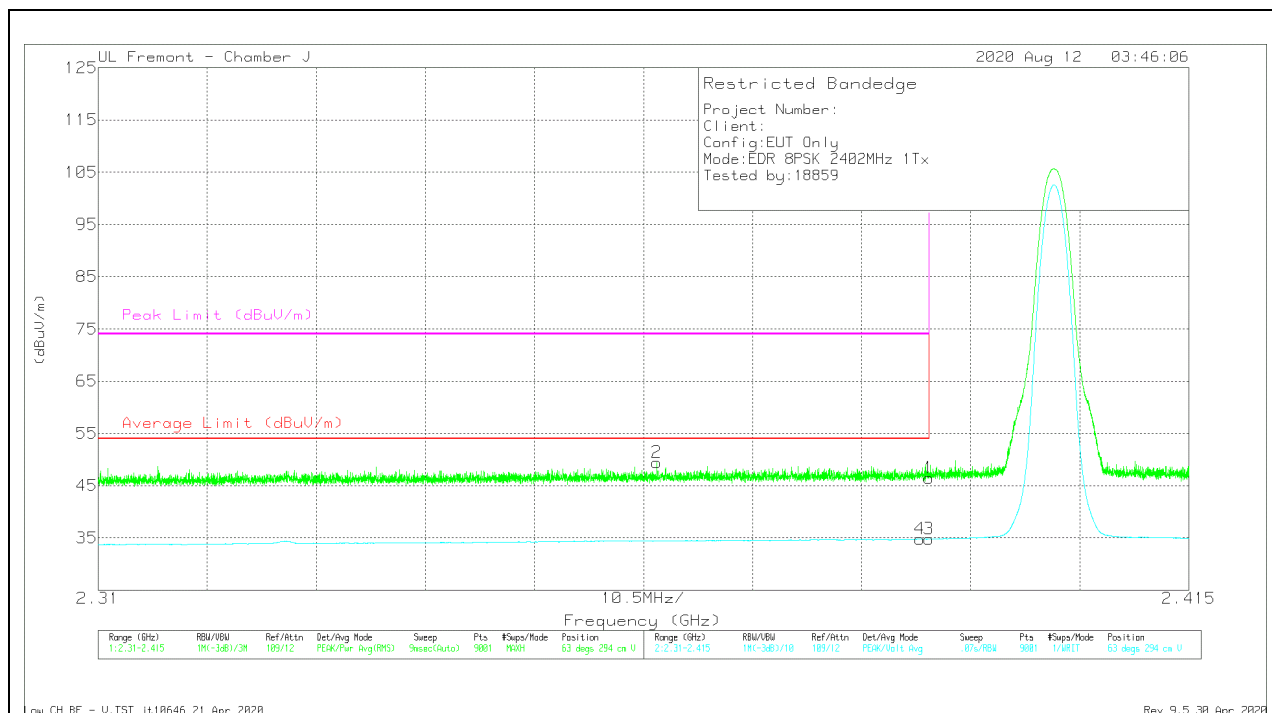
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38099	32.63	Pk	29	-14.7	46.93	-	-	74	-27.07	4	188	H
2	* 2.37044	35.37	Pk	29	-14.8	49.57	-	-	74	-24.43	4	188	H
3	* 2.36999	20.5	VA1T	29	-14.7	34.8	54	-19.2	-	-	4	188	H
4	* 2.38977	20.51	VA1T	29	-14.7	34.81	54	-19.19	-	-	4	188	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	AF T963 (dB/m)	Amp/Cbl/Fitr/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	* 2.38999	32.1	PK	29	-14.7	46.4	-	-	74	-27.6	63	294	V
2	* 2.3638	35.17	PK	29	-14.8	49.37	-	-	74	-24.63	63	294	V
3	* 2.38999	20.47	VA1T	29	-14.7	34.77	54	-19.23	-	-	63	294	V
4	* 2.3891	20.49	VA1T	29	-14.7	34.79	54	-19.21	-	-	63	294	V

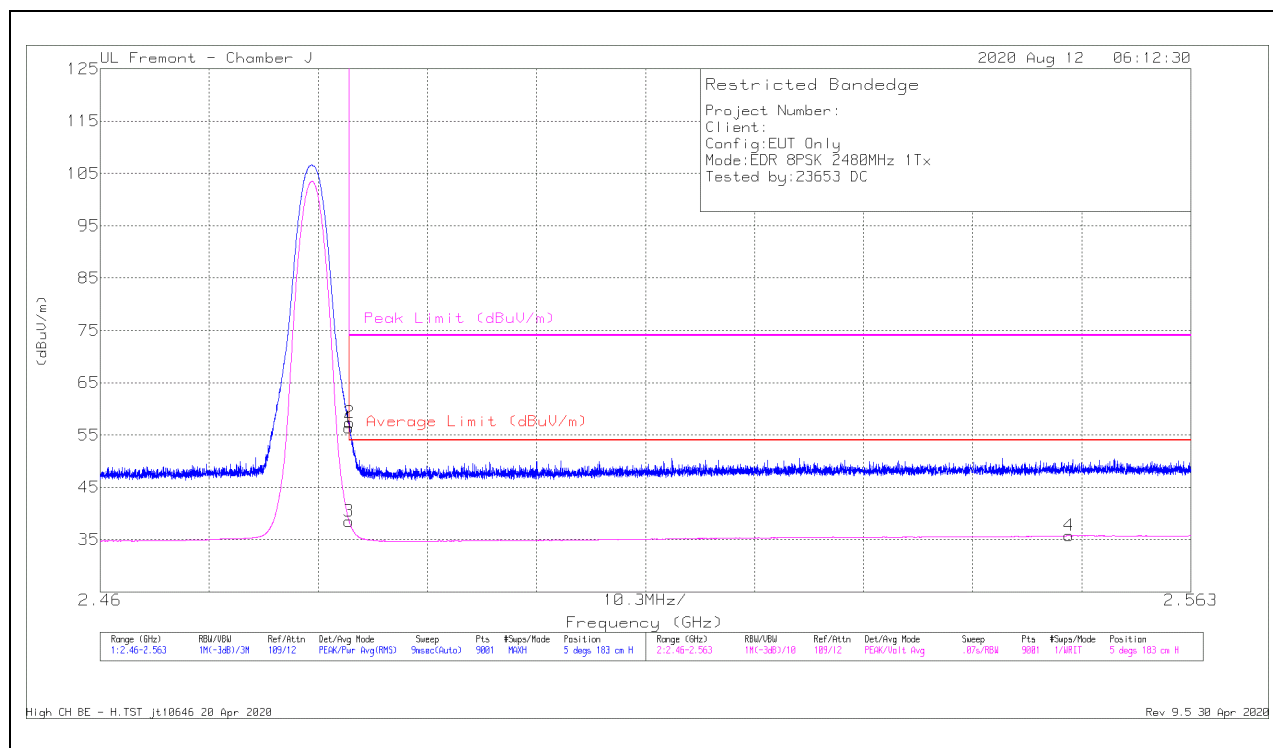
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



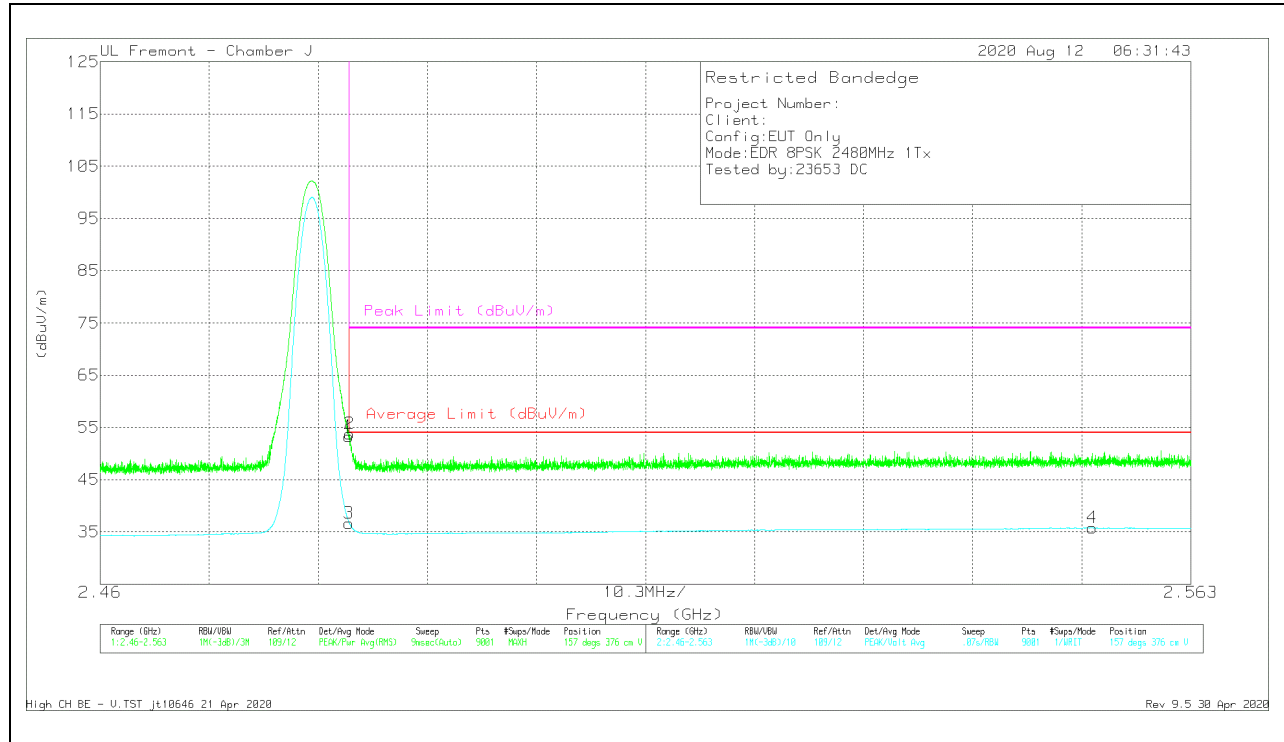
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.47	Pk	29.5	-14.6	56.37	-	-	74	-17.63	5	183	H
2	* 2.48354	42.45	Pk	29.5	-14.6	57.35	-	-	74	-16.65	5	183	H
3	* 2.48351	23.54	VA1T	29.5	-14.6	38.44	54	-15.56	-	-	5	183	H
4	2.55152	20.26	VA1T	29.9	-14.4	35.76	54	-18.24	-	-	5	183	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	AF T963 (dB/m)	Amp/Cbl/Fitr/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	* 2.48351	38.36	Pk	29.5	-14.6	53.26	-	-	74	-20.74	157	376	V
2	* 2.48353	38.88	Pk	29.5	-14.6	53.78	-	-	74	-20.22	157	376	V
3	* 2.48351	21.78	VA1T	29.5	-14.6	36.68	54	-17.32	-	-	157	376	V
4	2.55371	20.27	VA1T	29.9	-14.4	35.77	54	-18.23	-	-	157	376	V

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

Pk - Peak detector

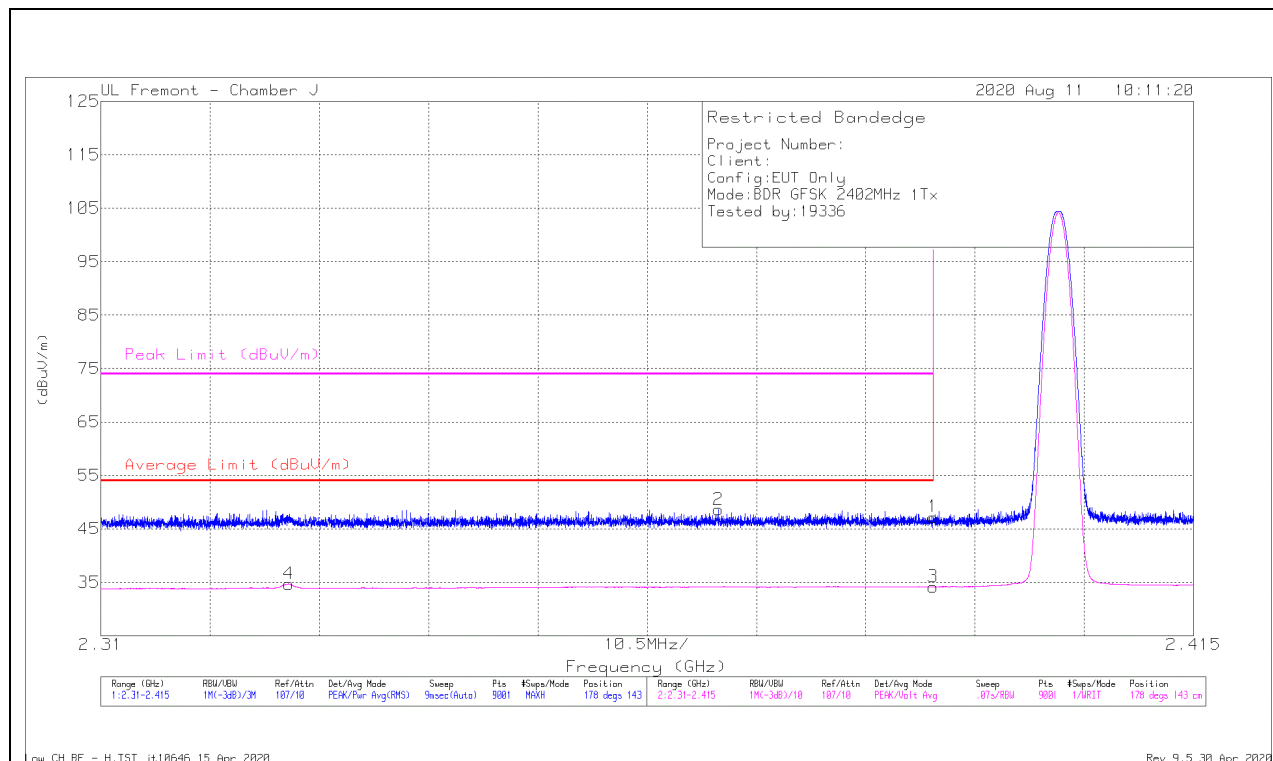
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.3. LOW POWER BASIC DATA RATE GFSK MODULATION

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



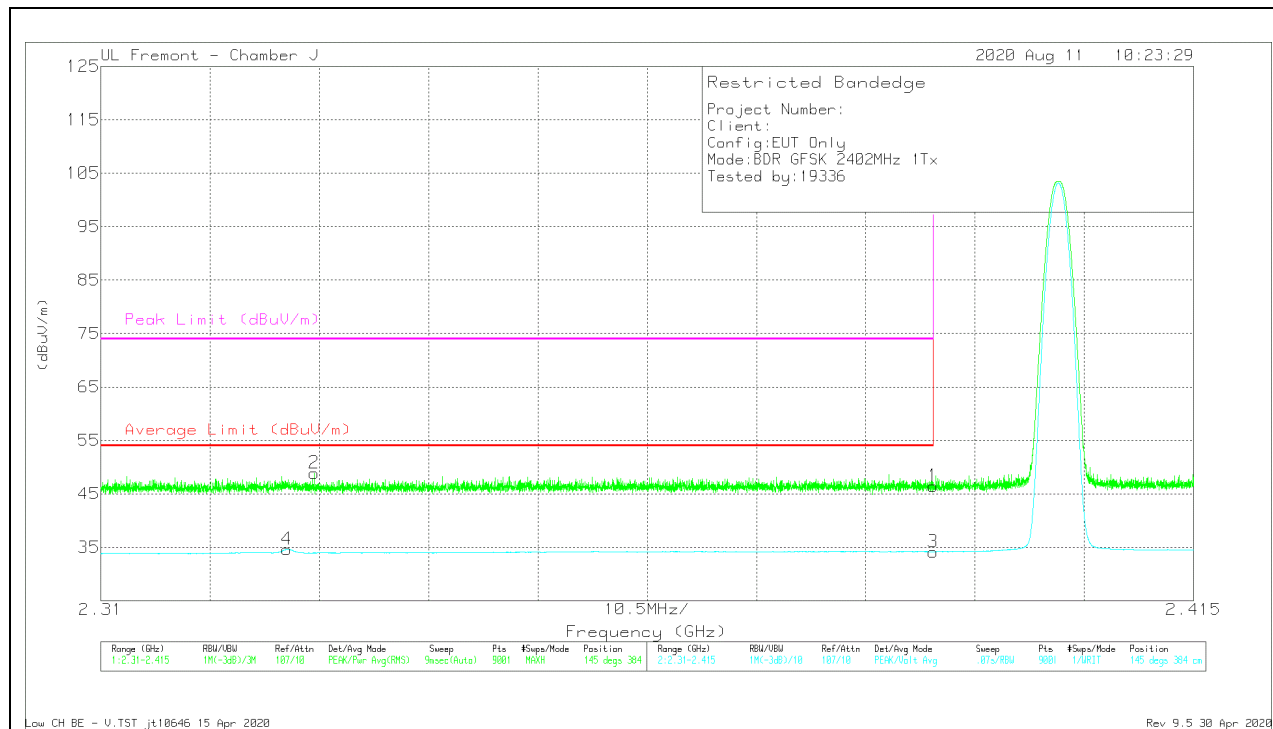
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fittr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.71	Pk	29	-25.5	47.21	-	-	74	-26.79	178	143	H
2	* 2.38934	45.11	Pk	29	-25.5	48.61	-	-	74	-25.39	178	143	H
3	* 2.38999	30.66	VA1T	29	-25.5	34.16	54	-19.84	-	-	178	143	H
4	* 2.32807	31.39	VA1T	28.9	-25.6	34.69	54	-19.31	-	-	178	143	H

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

Pk - Peak detector

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/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	* 2.38999	42.97	Pk	29	-25.5	46.47	-	-	74	-27.53	145	384	V
2	* 2.33049	45.59	Pk	28.9	-25.6	48.89	-	-	74	-25.11	145	384	V
3	* 2.38999	30.64	VA1T	29	-25.5	34.14	54	-19.86	-	-	145	384	V
4	* 2.32789	31.32	VA1T	28.9	-25.6	34.62	54	-19.38	-	-	145	384	V

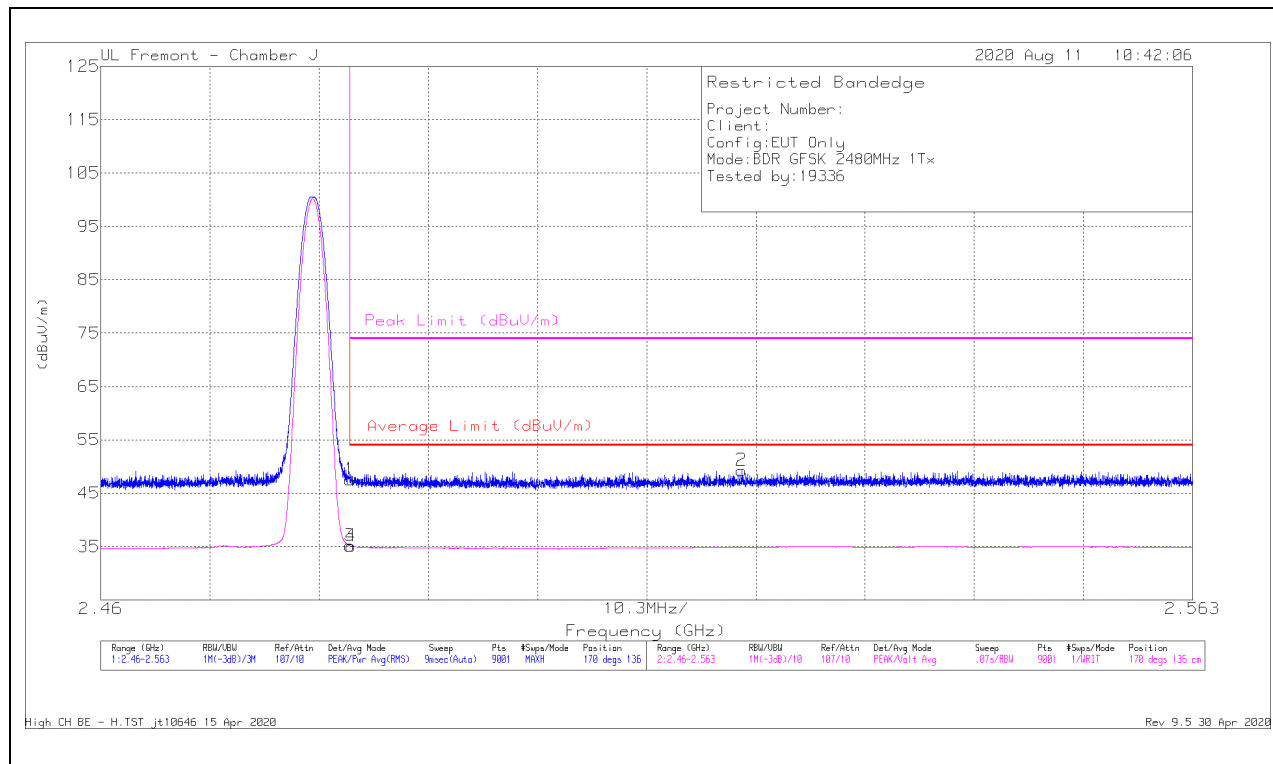
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



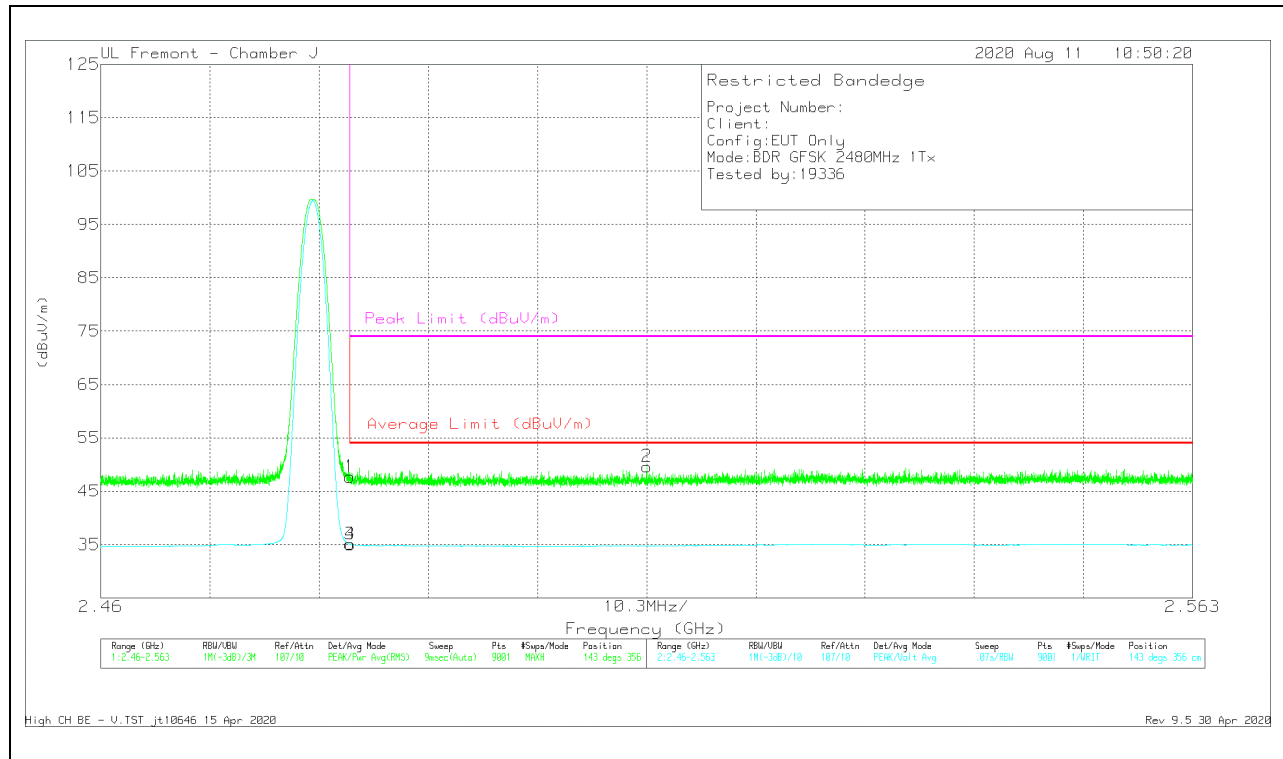
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.6	Pk	29.5	-25.5	47.6	-	-	74	-26.4	170	136	H
2	2.52045	44.87	Pk	29.8	-25.4	49.27	-	-	74	-24.73	170	136	H
3	* 2.48351	31.17	VA1T	29.5	-25.5	35.17	54	-18.83	-	-	170	136	H
4	* 2.48362	31.1	VA1T	29.5	-25.5	35.1	54	-18.9	-	-	170	136	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	AF T963 (dB/m)	Amp/Cbl/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.71	Pk	29.5	-25.5	47.71	-	-	74	-26.29	143	356	V
2	2.51152	45.42	Pk	29.7	-25.5	49.62	-	-	74	-24.38	143	356	V
3	* 2.48351	31.07	VA1T	29.5	-25.5	35.07	54	-18.93	-	-	143	356	V
4	* 2.48354	31.05	VA1T	29.5	-25.5	35.05	54	-18.95	-	-	143	356	V

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

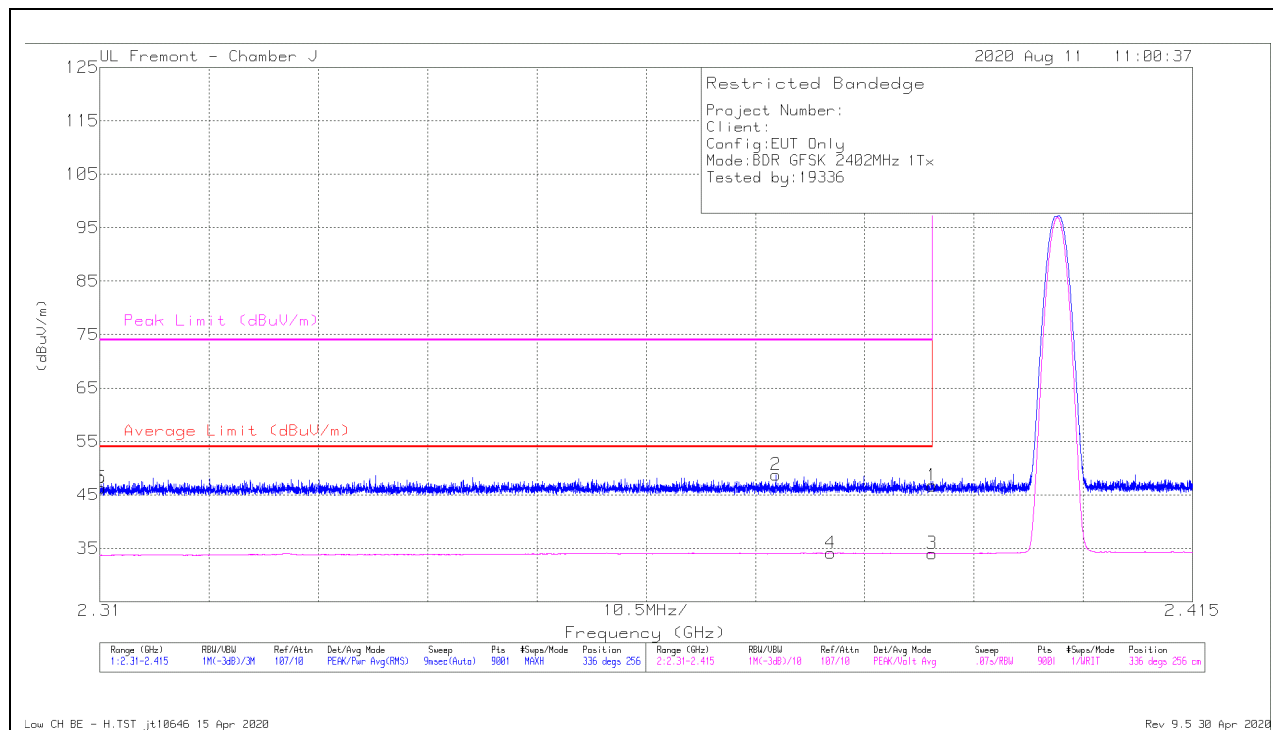
Pk - Peak detector

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



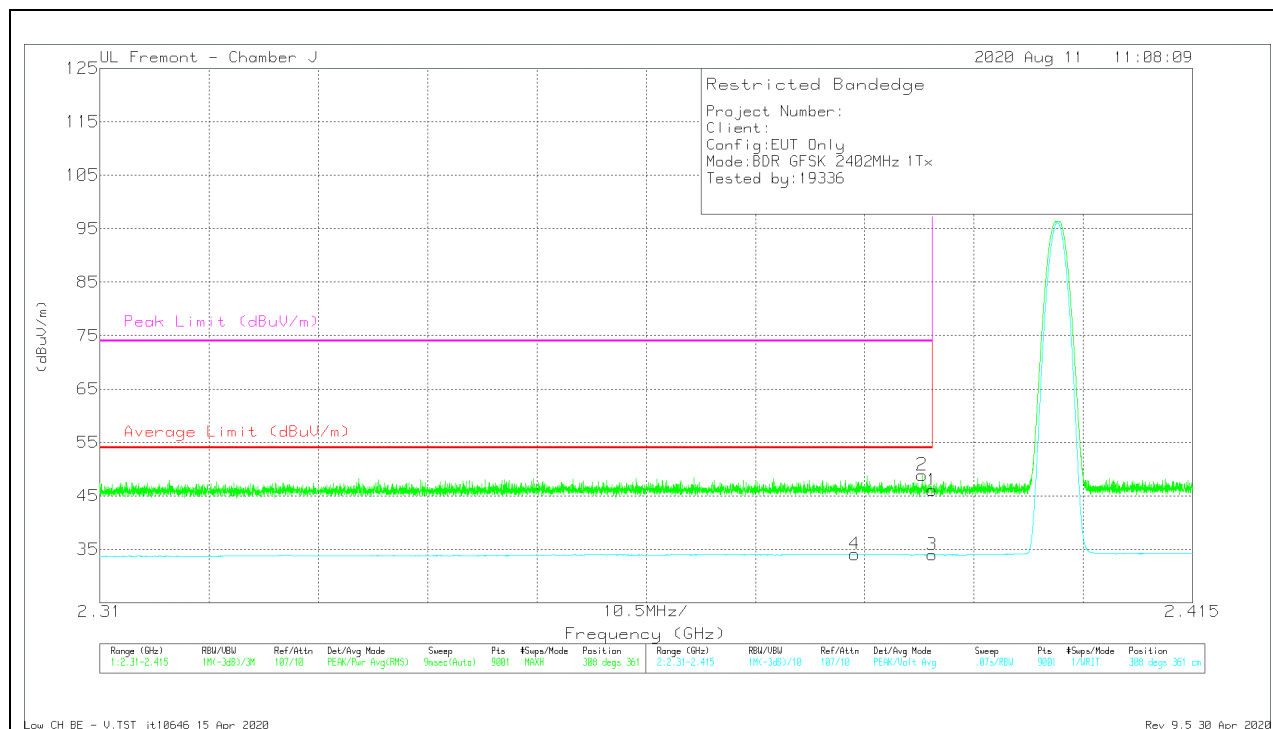
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.23	Pk	29	-25.5	46.73	-	-	74	-27.27	336	256	H
2	* 2.37497	45.24	Pk	29	-25.5	48.74	-	-	74	-25.26	336	256	H
5	* 2.31012	43.13	Pk	28.7	-25.5	46.33	-	-	74	-27.67	336	256	H
6	* 2.31012	43.13	Pk	28.7	-25.5	46.33	-	-	74	-27.67	336	256	H
3	* 2.38999	30.63	VA1T	29	-25.5	34.03	54	-19.97	-	-	336	256	H
4	* 2.38022	30.61	VA1T	29	-25.5	34.11	54	-19.89	-	-	336	256	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	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	42.55	Pk	29	-25.5	46.05	-	-	74	-27.95	308	361	V
2	* 2.38901	45.39	Pk	29	-25.5	48.89	-	-	74	-25.11	308	361	V
3	* 2.38999	30.49	VA1T	29	-25.5	33.99	54	-20.01	-	-	308	361	V
4	* 2.38252	30.57	VA1T	29	-25.5	34.07	54	-19.93	-	-	308	361	V

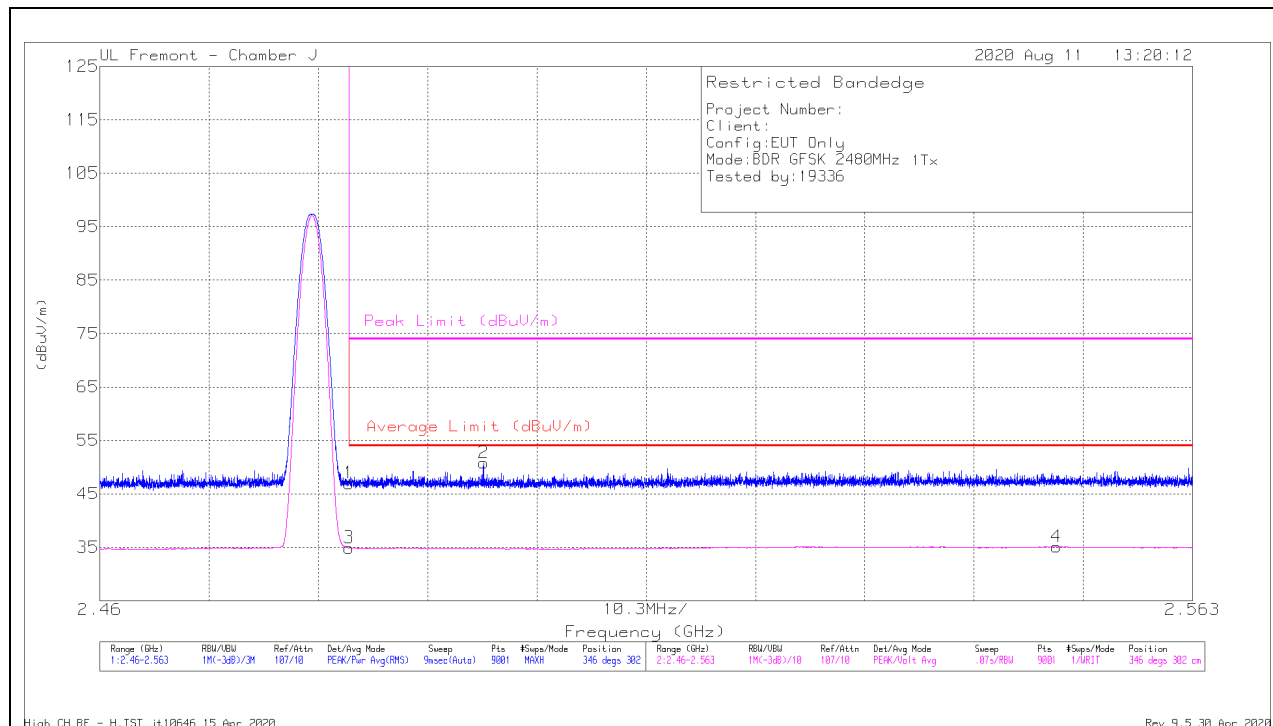
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



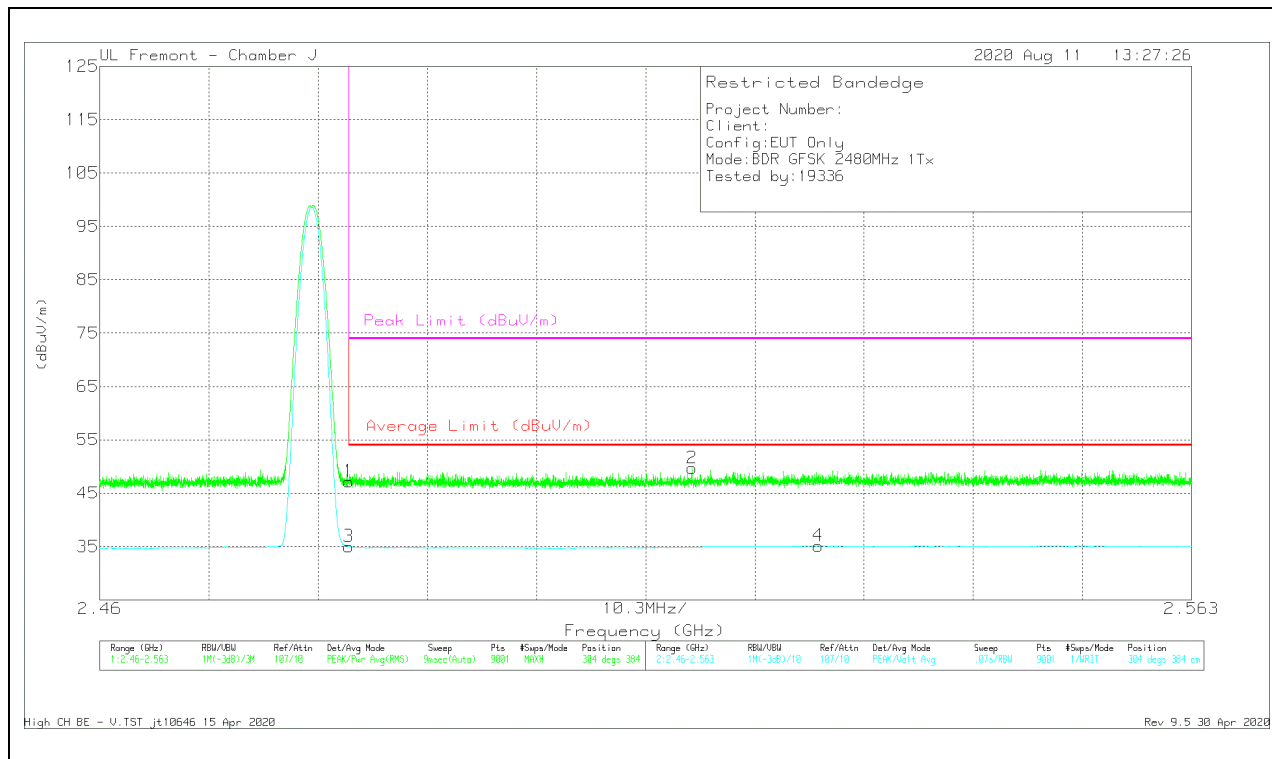
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.98	Pk	29.5	-25.5	46.98	-	-	74	-27.02	346	302	H
2	* 2.49617	46.68	Pk	29.6	-25.5	50.78	-	-	74	-23.22	346	302	H
3	* 2.48351	30.89	VA1T	29.5	-25.5	34.89	54	-19.11	-	-	346	302	H
4	2.55019	30.59	VA1T	29.9	-25.4	35.09	54	-18.91	-	-	346	302	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	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.17	Pk	29.5	-25.5	47.17	-	-	74	-26.83	304	384	V
2	2.51586	45.38	Pk	29.7	-25.4	49.68	-	-	74	-24.32	304	384	V
3	* 2.48351	30.99	VA1T	29.5	-25.5	34.99	54	-19.01	-	-	304	384	V
4	2.52776	30.73	VA1T	29.8	-25.4	35.13	54	-18.87	-	-	304	384	V

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

Pk - Peak detector

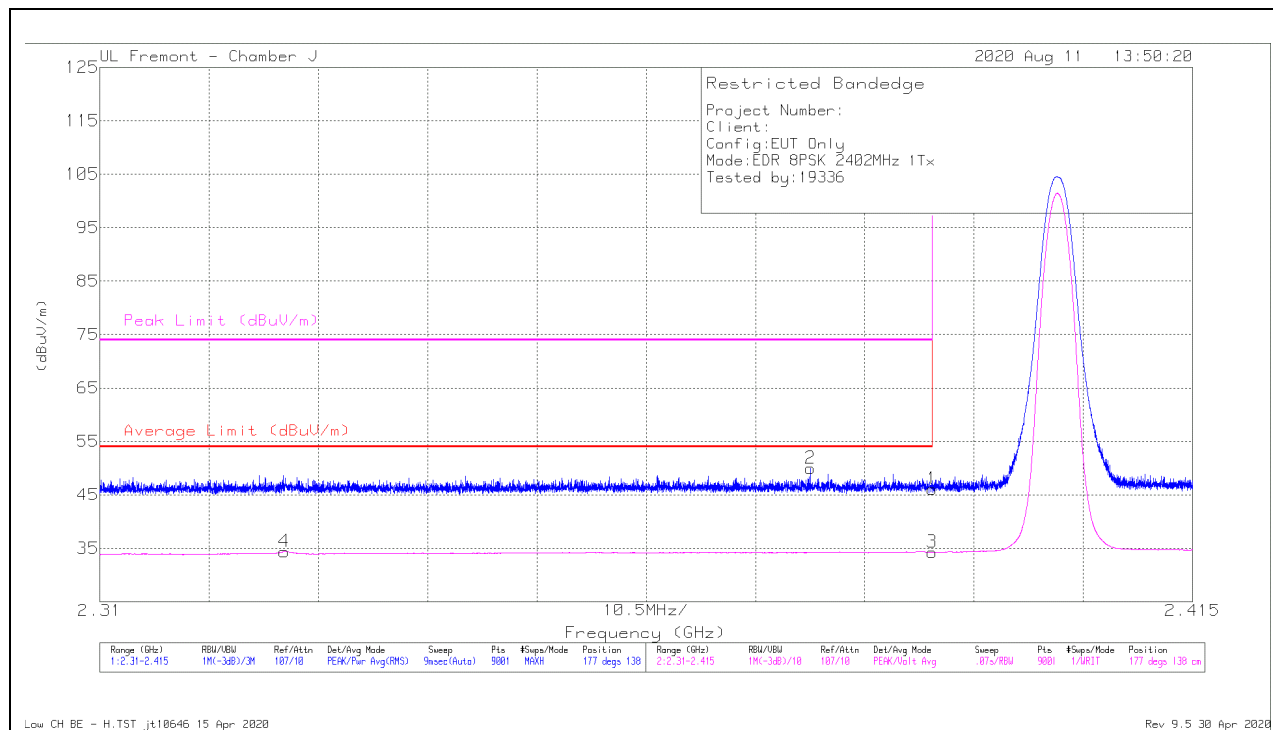
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.4. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



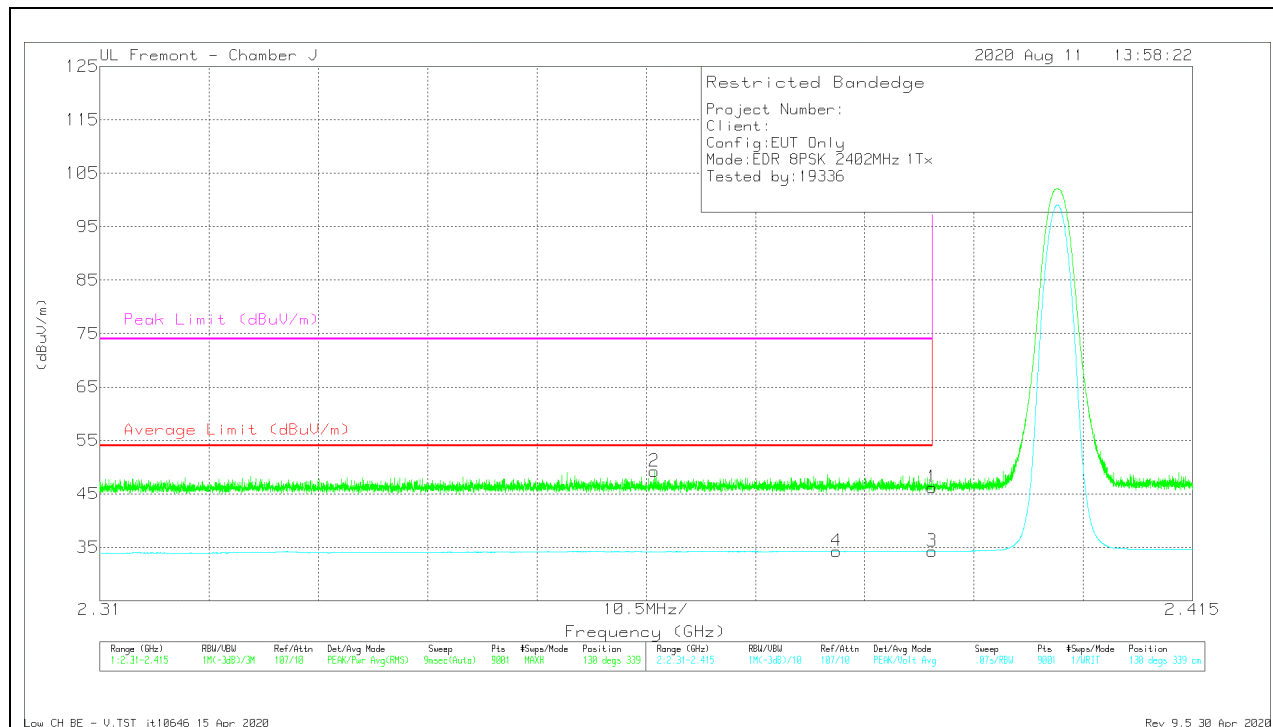
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	42.62	Pk	29	-25.5	46.12	-	-	74	-27.88	177	138	H
2	* 2.37828	46.46	Pk	29	-25.5	49.96	-	-	74	-24.04	177	138	H
3	* 2.38999	30.77	VA1T	29	-25.5	34.27	54	-19.73	-	-	177	138	H
4	* 2.32772	31.09	VA1T	28.9	-25.6	34.39	54	-19.61	-	-	177	138	H

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

Pk - Peak detector

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	42.74	Pk	29	-25.5	46.24	-	-	74	-27.76	130	339	V
2	* 2.36326	45.73	Pk	29	-25.5	49.23	-	-	74	-24.77	130	339	V
3	* 2.38999	30.77	VA1T	29	-25.5	34.27	54	-19.73	-	-	130	339	V
4	* 2.38077	30.8	VA1T	29	-25.5	34.3	54	-19.7	-	-	130	339	V

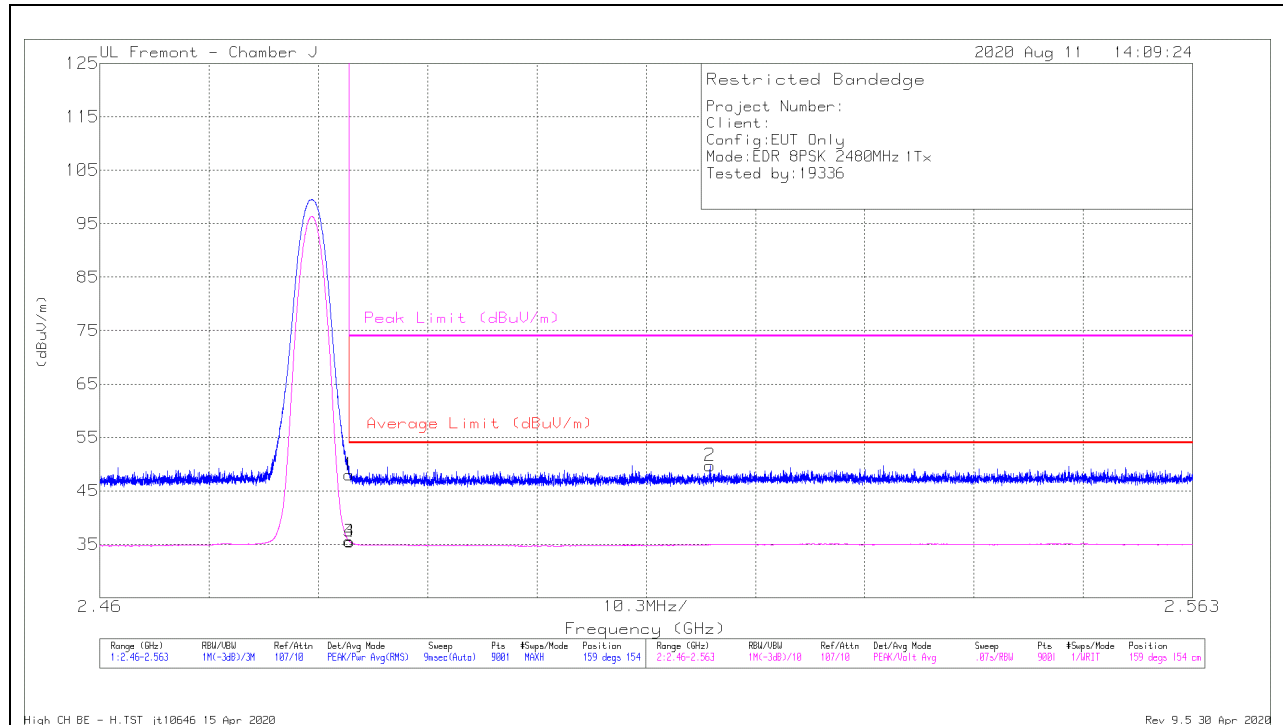
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



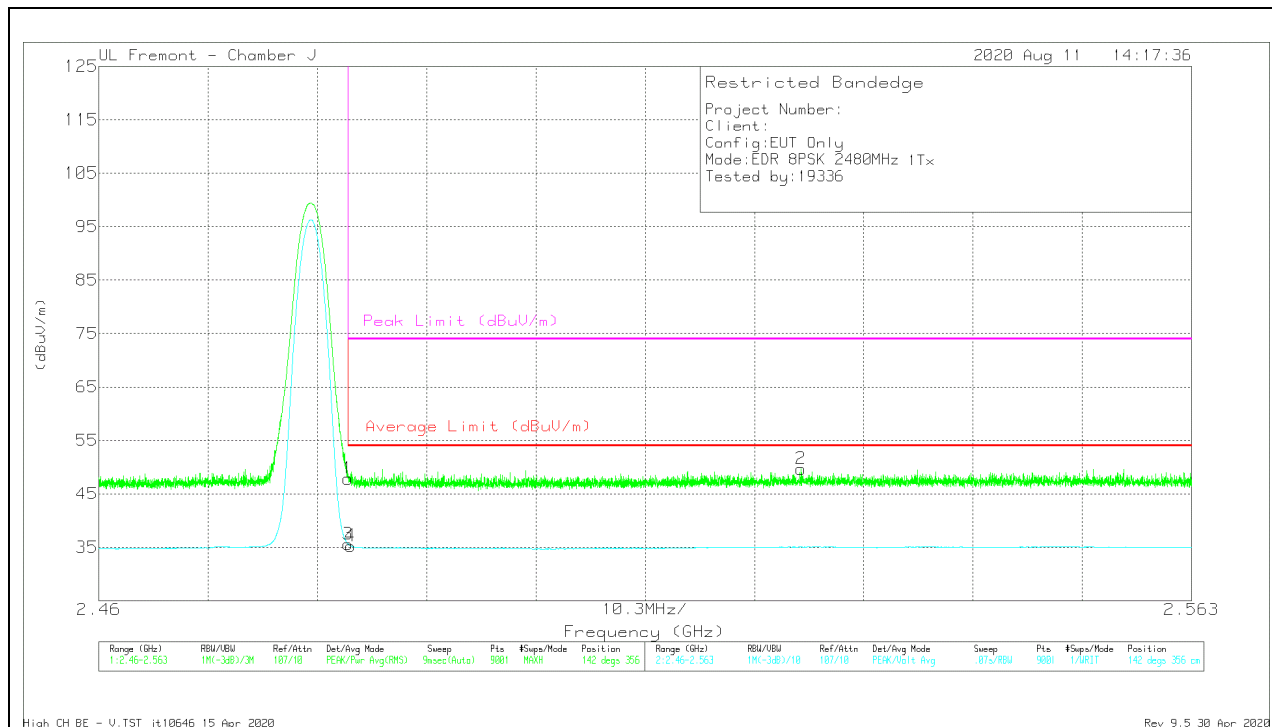
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44.03	Pk	29.5	-25.5	48.03	-	-	74	-25.97	159	154	H
2	2.51751	45.34	Pk	29.8	-25.4	49.74	-	-	74	-24.26	159	154	H
3	* 2.48351	31.58	VA1T	29.5	-25.5	35.58	54	-18.42	-	-	159	154	H
4	* 2.48356	31.5	VA1T	29.5	-25.5	35.5	54	-18.5	-	-	159	154	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	AF T963 (dB/m)	Amp/Cbl/Fitr/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	* 2.48351	43.84	Pk	29.5	-25.5	47.84	-	-	74	-26.16	142	356	V
2	2.5262	45.26	Pk	29.8	-25.4	49.66	-	-	74	-24.34	142	356	V
3	* 2.48351	31.55	VA1T	29.5	-25.5	35.55	54	-18.45	-	-	142	356	V
4	* 2.48373	31.23	VA1T	29.5	-25.5	35.23	54	-18.77	-	-	142	356	V

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

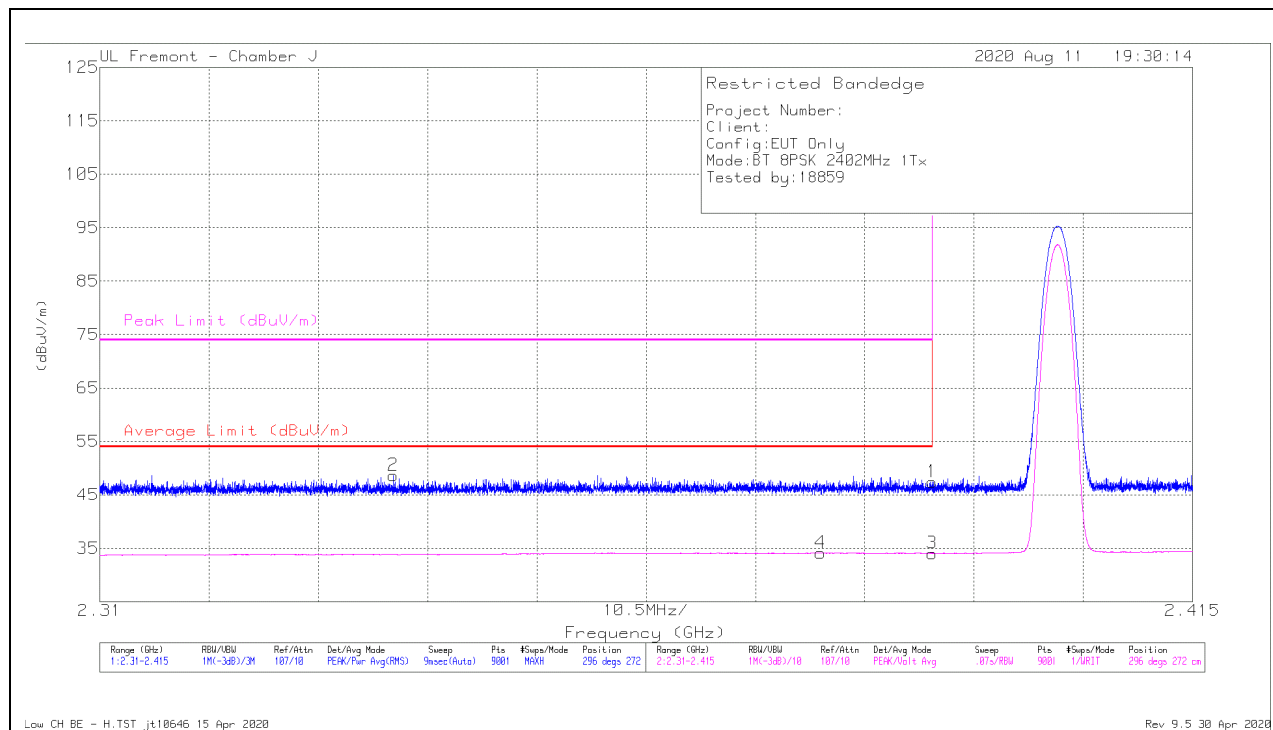
Pk - Peak detector

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



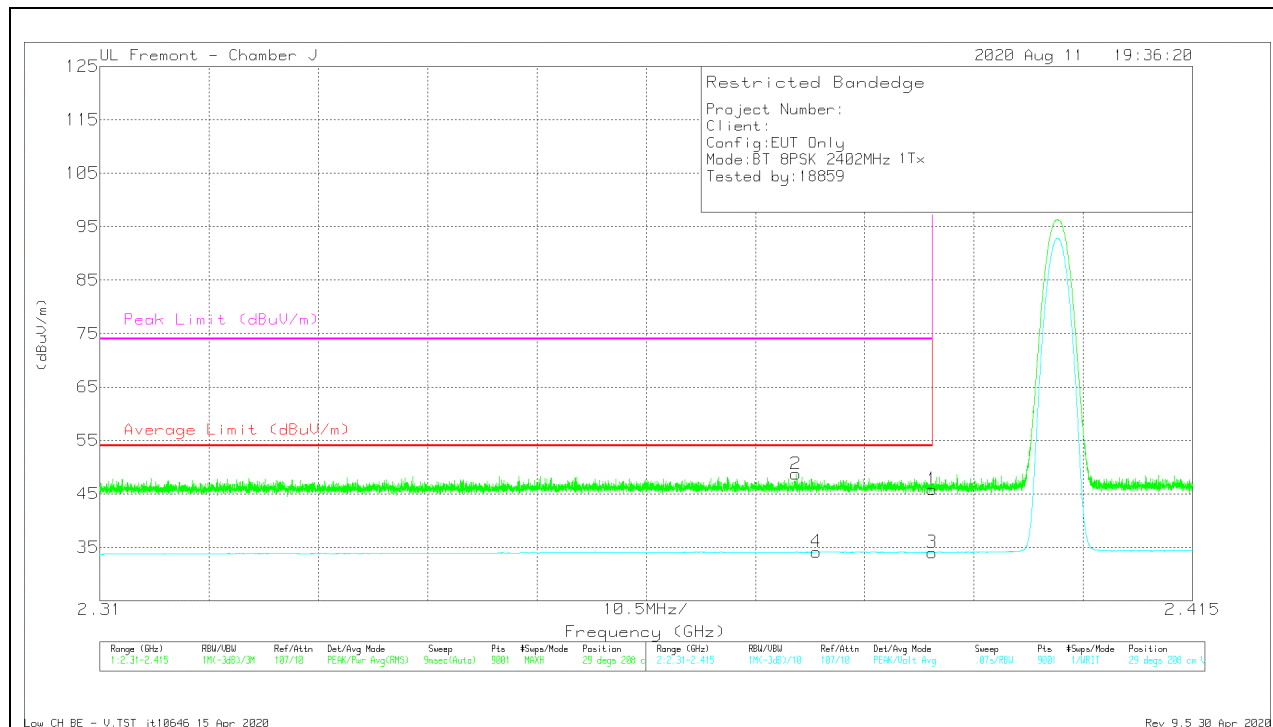
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.93	Pk	29	-25.5	47.43	-	-	74	-26.57	296	272	H
2	* 2.33819	45.36	PK	28.9	-25.6	48.66	-	-	74	-25.34	296	272	H
3	* 2.38999	30.56	VA1T	29	-25.5	34.06	54	-19.94	-	-	296	272	H
4	* 2.37926	30.64	VA1T	29	-25.5	34.14	54	-19.86	-	-	296	272	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	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	42.32	Pk	29	-25.5	45.82	-	-	74	-28.18	29	208	V
2	* 2.37688	45.22	Pk	29	-25.5	48.72	-	-	74	-25.28	29	208	V
3	* 2.38999	30.53	VA1T	29	-25.5	34.03	54	-19.97	-	-	29	208	V
4	* 2.37884	30.65	VA1T	29	-25.5	34.15	54	-19.85	-	-	29	208	V

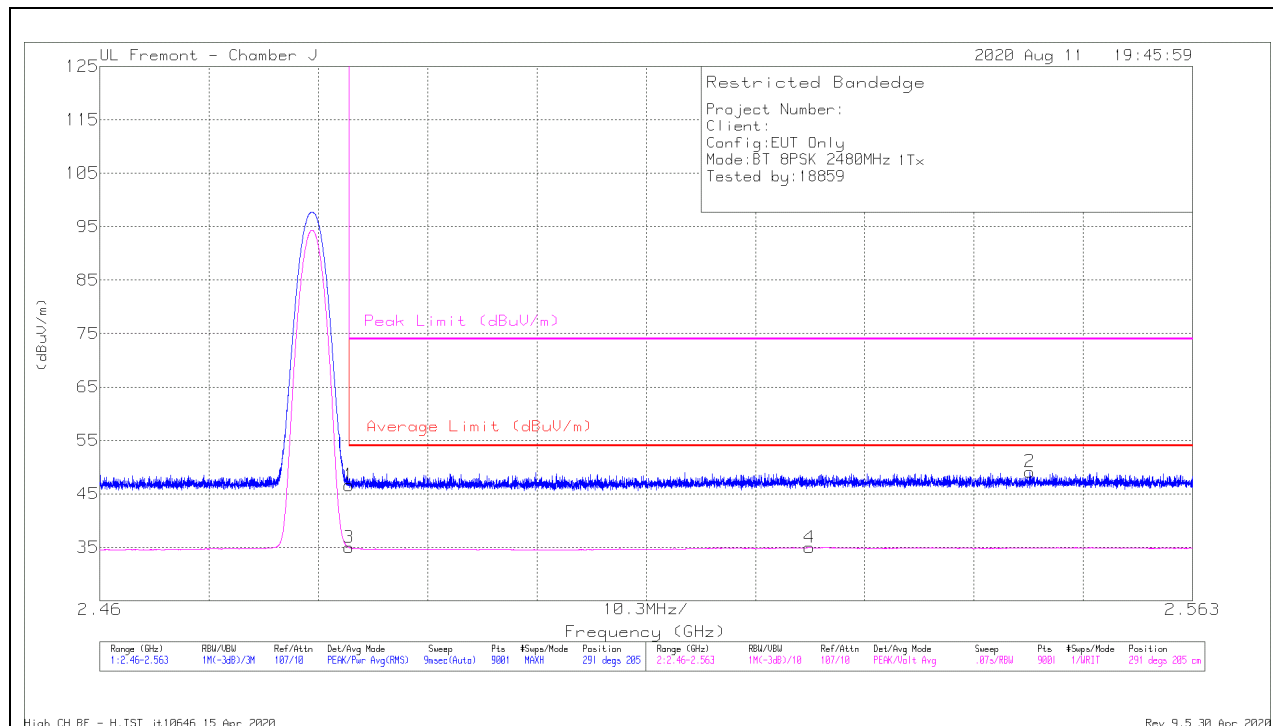
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

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

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



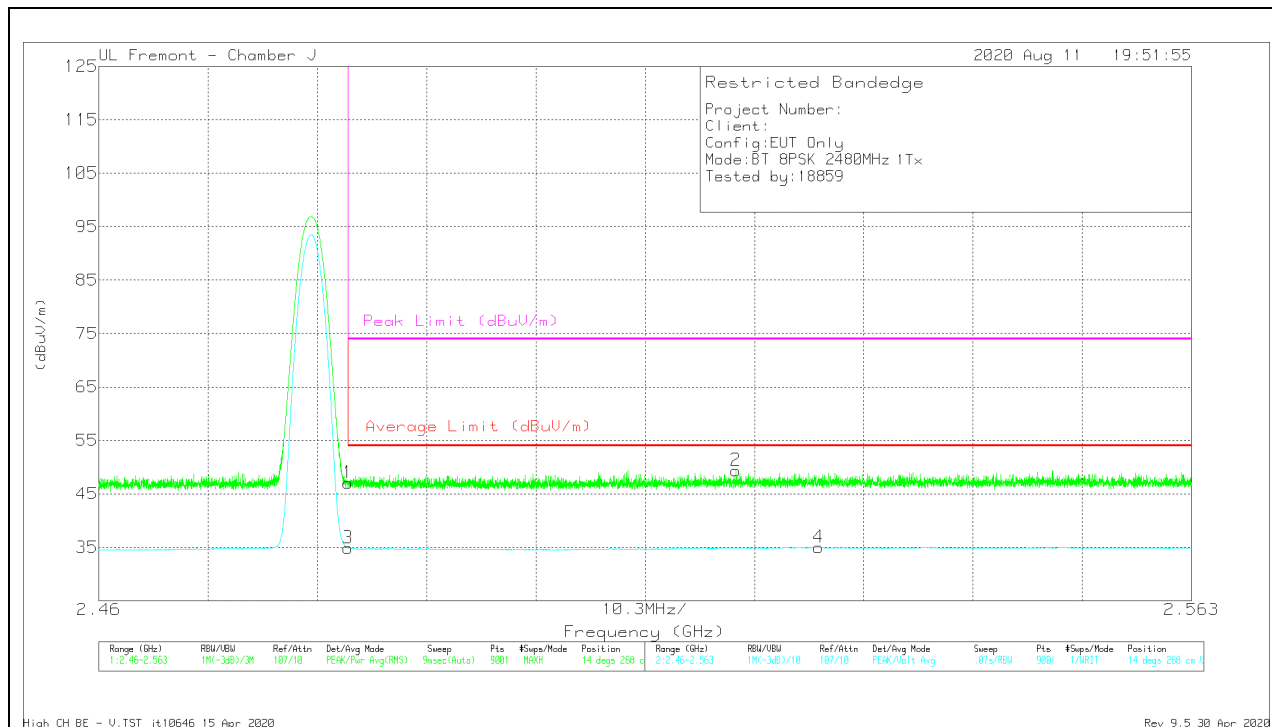
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.61	Pk	29.5	-25.5	46.61	-	-	74	-27.39	291	205	H
2	2.54767	44.63	Pk	29.9	-25.4	49.13	-	-	74	-24.87	291	205	H
3	* 2.48351	30.96	VA1T	29.5	-25.5	34.96	54	-19.04	-	-	291	205	H
4	2.52689	30.56	VA1T	29.8	-25.4	34.96	54	-19.04	-	-	291	205	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	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.06	Pk	29.5	-25.5	47.06	-	-	74	-26.94	14	268	V
2	2.52006	44.97	Pk	29.8	-25.4	49.37	-	-	74	-24.63	14	268	V
3	* 2.48351	30.86	VA1T	29.5	-25.5	34.86	54	-19.14	-	-	14	268	V
4	2.52784	30.59	VA1T	29.8	-25.4	34.99	54	-19.01	-	-	14	268	V

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

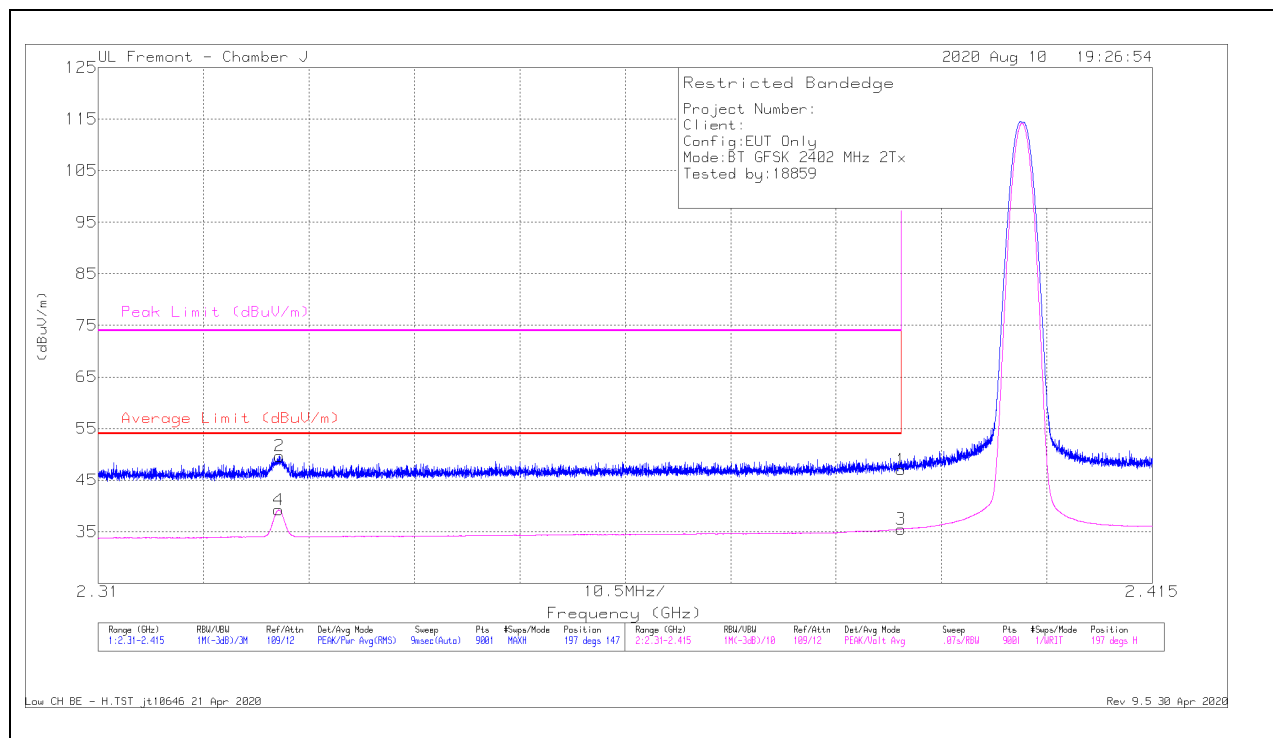
Pk - Peak detector

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

10.1.5. HIGH POWER BASIC DATA RATE TX BF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



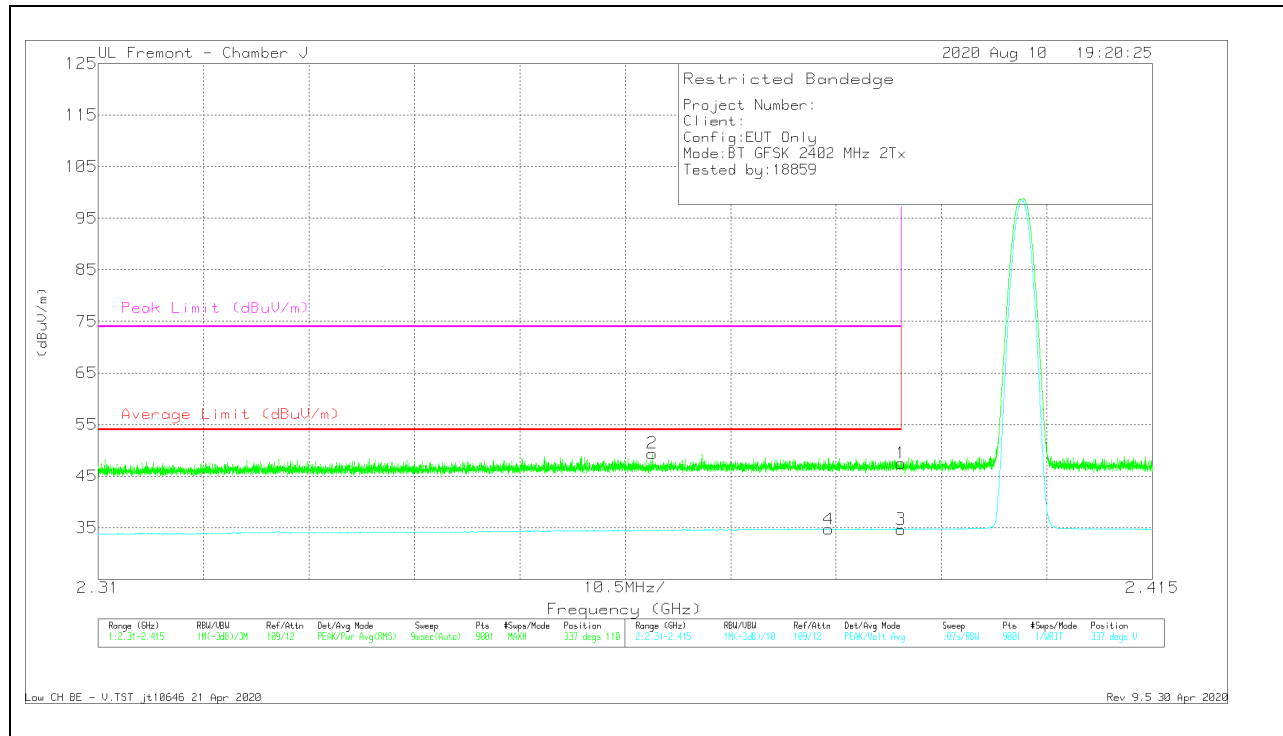
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.7	Pk	29	-14.7	47	-	-	74	-27	197	147	H
2	* 2.32808	35.67	PK	28.9	-14.9	49.67	-	-	74	-24.33	197	147	H
3	* 2.38999	21.19	VA1T	29	-14.7	35.49	54	-18.51	-	-	197	147	H
4	* 2.32797	25.21	VA1T	28.9	-14.9	39.21	54	-14.79	-	-	197	147	H

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

PK - Peak detector

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/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	* 2.38999	33.17	Pk	29	-14.7	47.47	-	-	74	-26.53	337	110	V
2	* 2.36518	35.2	Pk	29	-14.8	49.4	-	-	74	-24.6	337	110	V
3	* 2.38999	20.35	VA1T	29	-14.7	34.65	54	-19.35	-	-	337	110	V
4	* 2.38276	20.42	VA1T	29	-14.7	34.72	54	-19.28	-	-	337	110	V

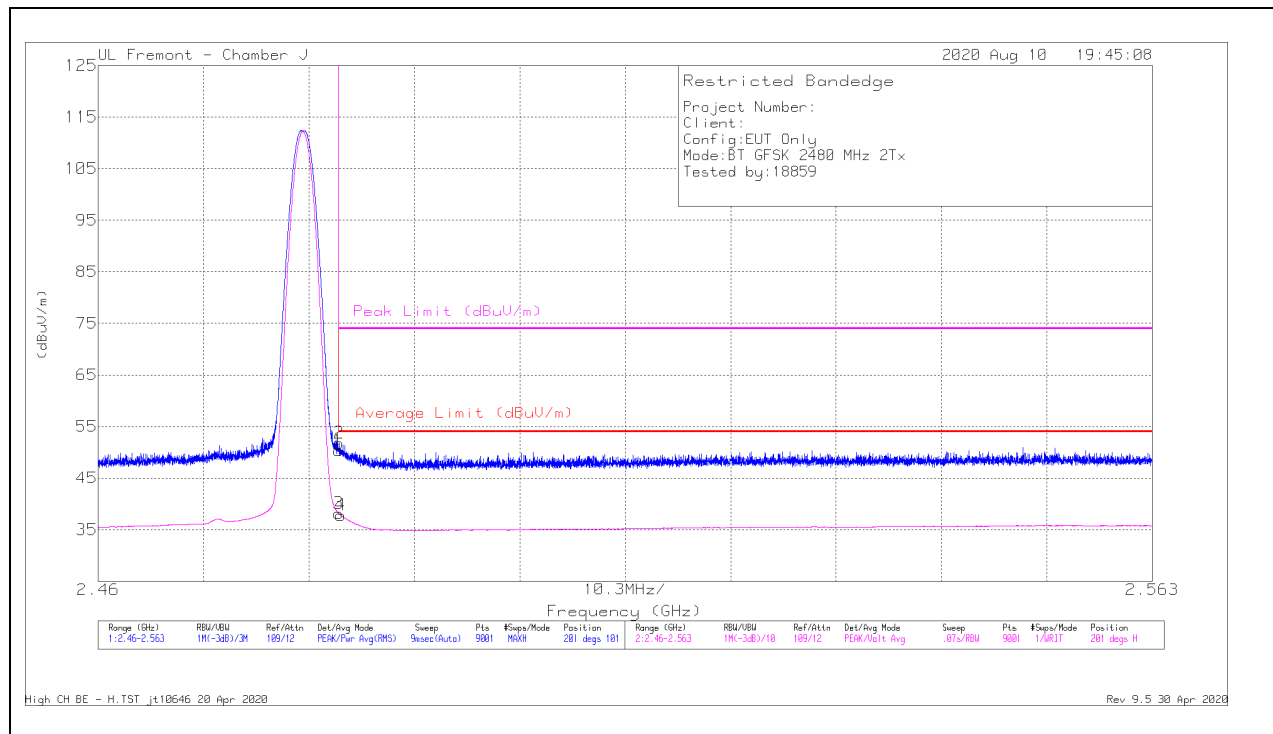
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



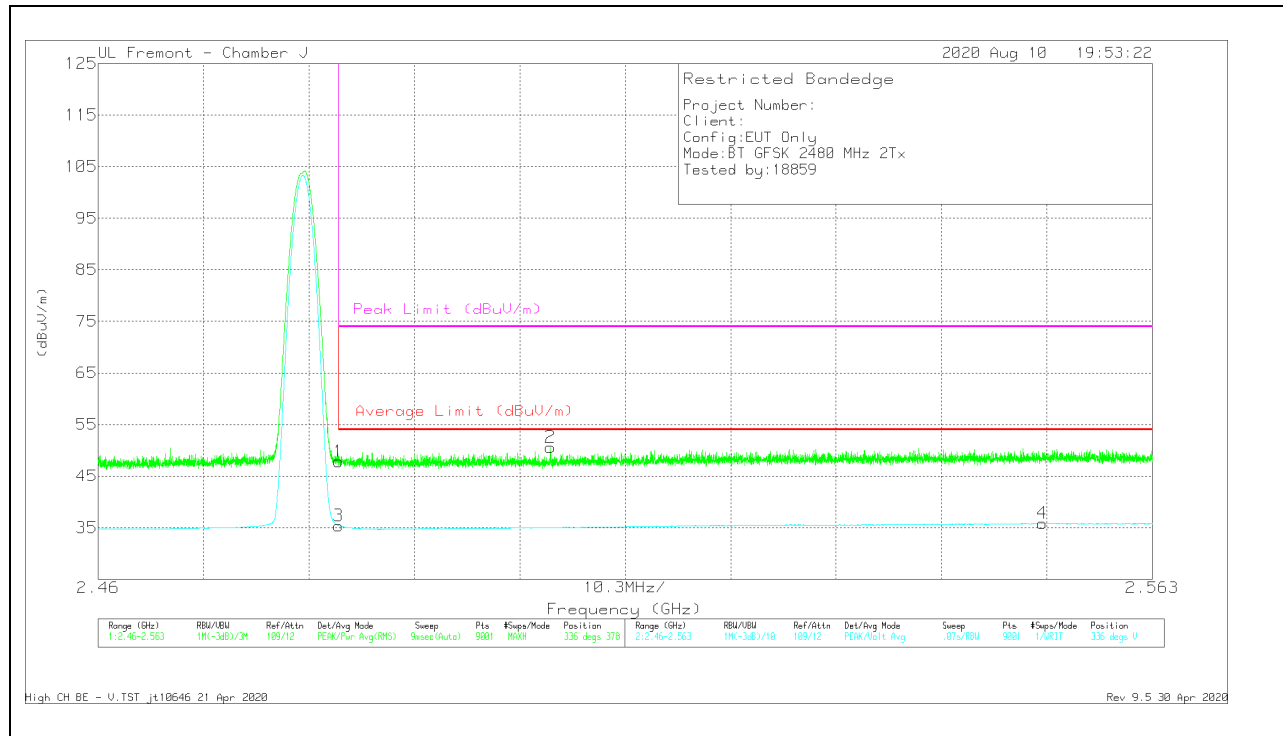
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	35.44	Pk	29.5	-14.6	50.34	-	-	74	-23.66	201	101	H
2	* 2.48356	36.92	Pk	29.5	-14.6	51.82	-	-	74	-22.18	201	101	H
3	* 2.48351	23.28	VA1T	29.5	-14.6	38.18	54	-15.82	-	-	201	101	H
4	* 2.4837	22.93	VA1T	29.5	-14.6	37.83	54	-16.17	-	-	201	101	H

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

PK - Peak detector

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	32.95	Pk	29.5	-14.6	47.85	-	-	74	-26.15	336	378	V
2	2.50419	35.61	Pk	29.6	-14.6	50.61	-	-	74	-23.39	336	378	V
3	* 2.48351	20.48	VA1T	29.5	-14.6	35.38	54	-18.62	-	-	336	378	V
4	2.55225	20.36	VA1T	29.9	-14.4	35.86	54	-18.14	-	-	336	378	V

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

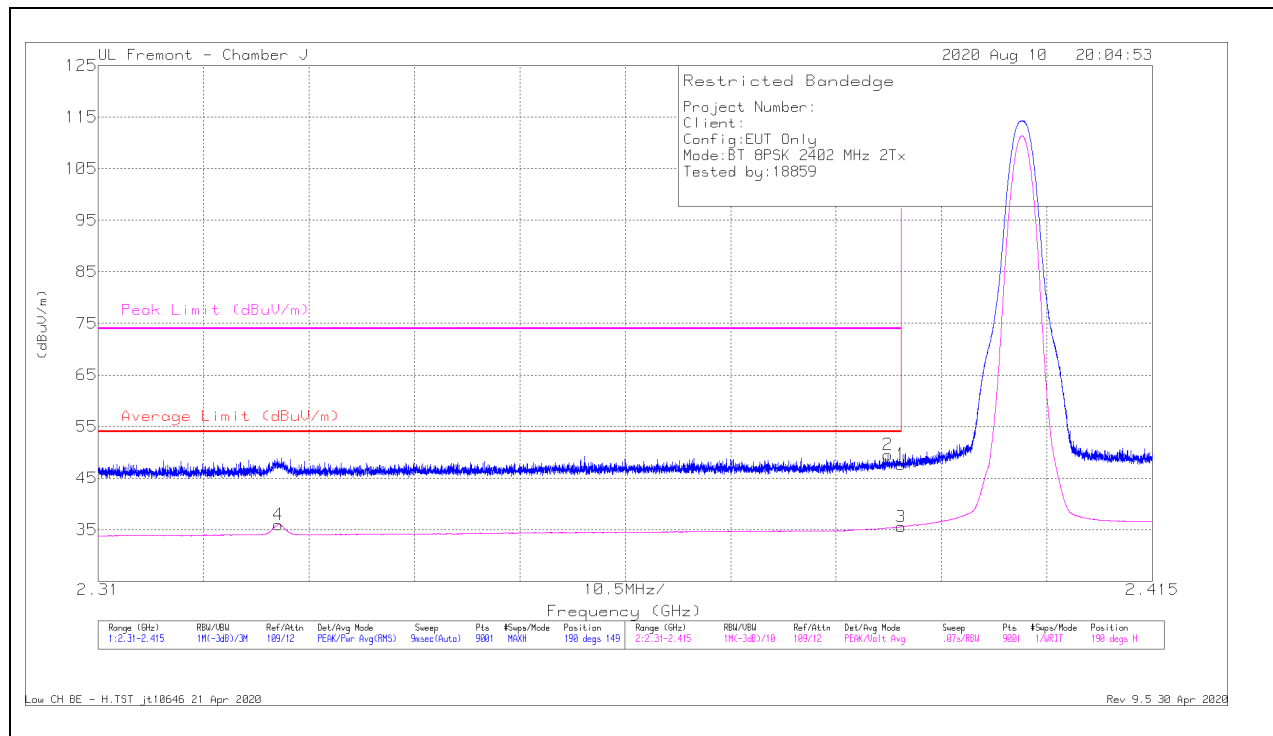
Pk - Peak detector

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

10.1.6. HIGH POWER BASIC DATA RATE TXBF 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



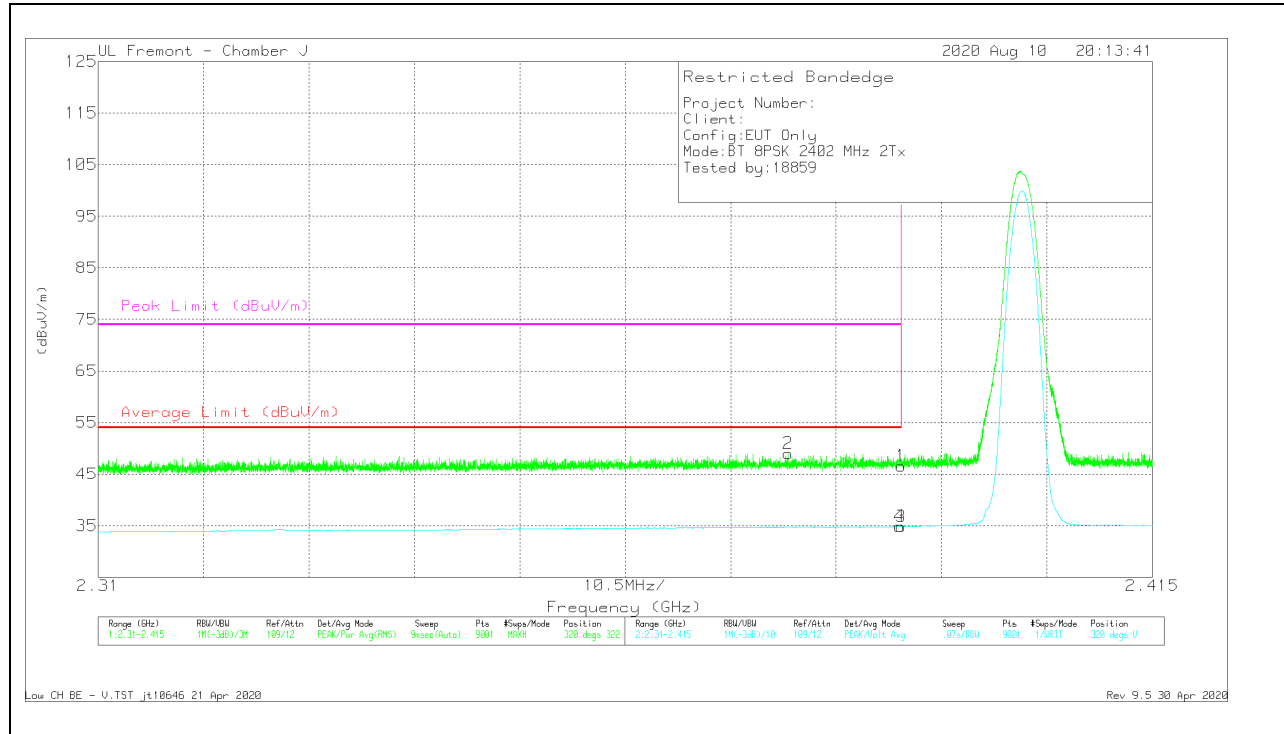
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/CbI/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	33.35	Pk	29	-14.7	47.65	-	-	74	-26.35	190	149	H
2	* 2.38865	35.23	Pk	29	-14.7	49.53	-	-	74	-24.47	190	149	H
3	* 2.38999	21.26	VA1T	29	-14.7	35.56	54	-18.44	-	-	190	149	H
4	* 2.32794	21.97	VA1T	28.9	-14.9	35.97	54	-18.03	-	-	190	149	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	AF T963 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.29	Pk	29	-14.7	46.59	-	-	74	-27.41	320	322	V
2	* 2.37871	34.7	Pk	29	-14.7	49	-	-	74	-25	320	322	V
3	* 2.38999	20.52	VA1T	29	-14.7	34.82	54	-19.18	-	-	320	322	V
4	* 2.38983	20.57	VA1T	29	-14.7	34.87	54	-19.13	-	-	320	322	V

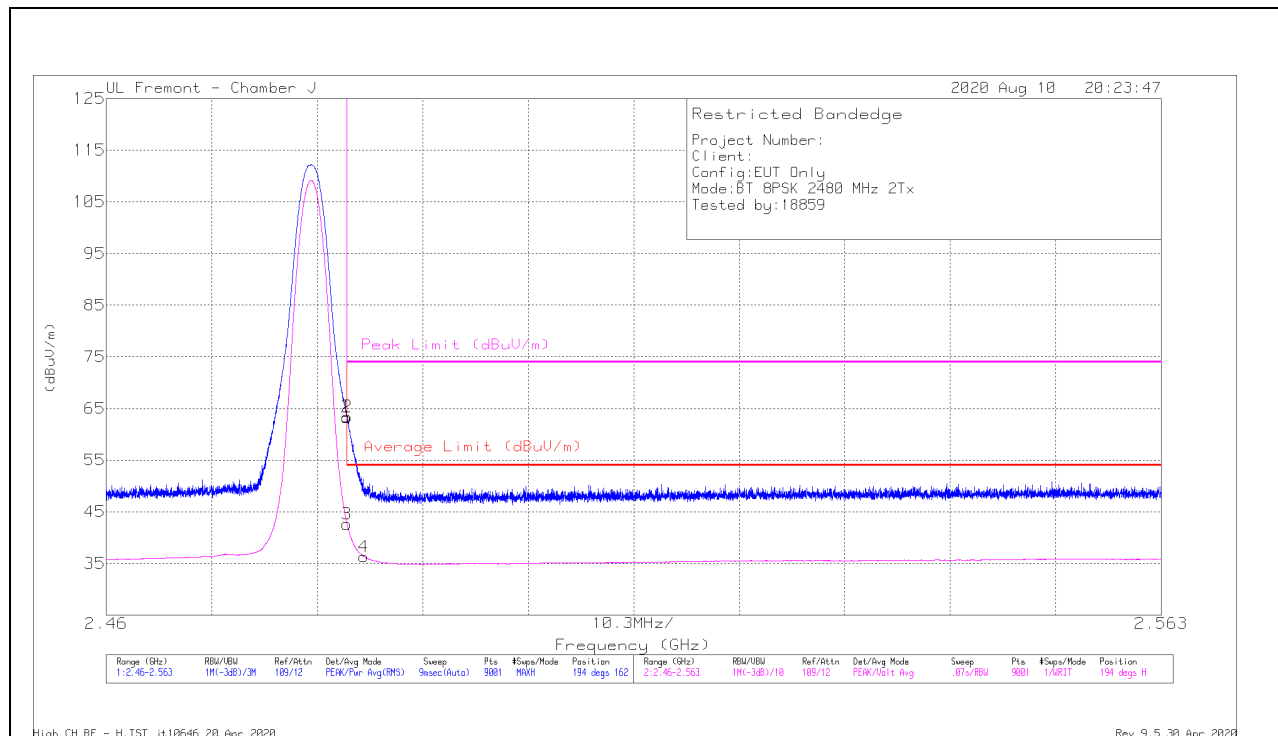
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



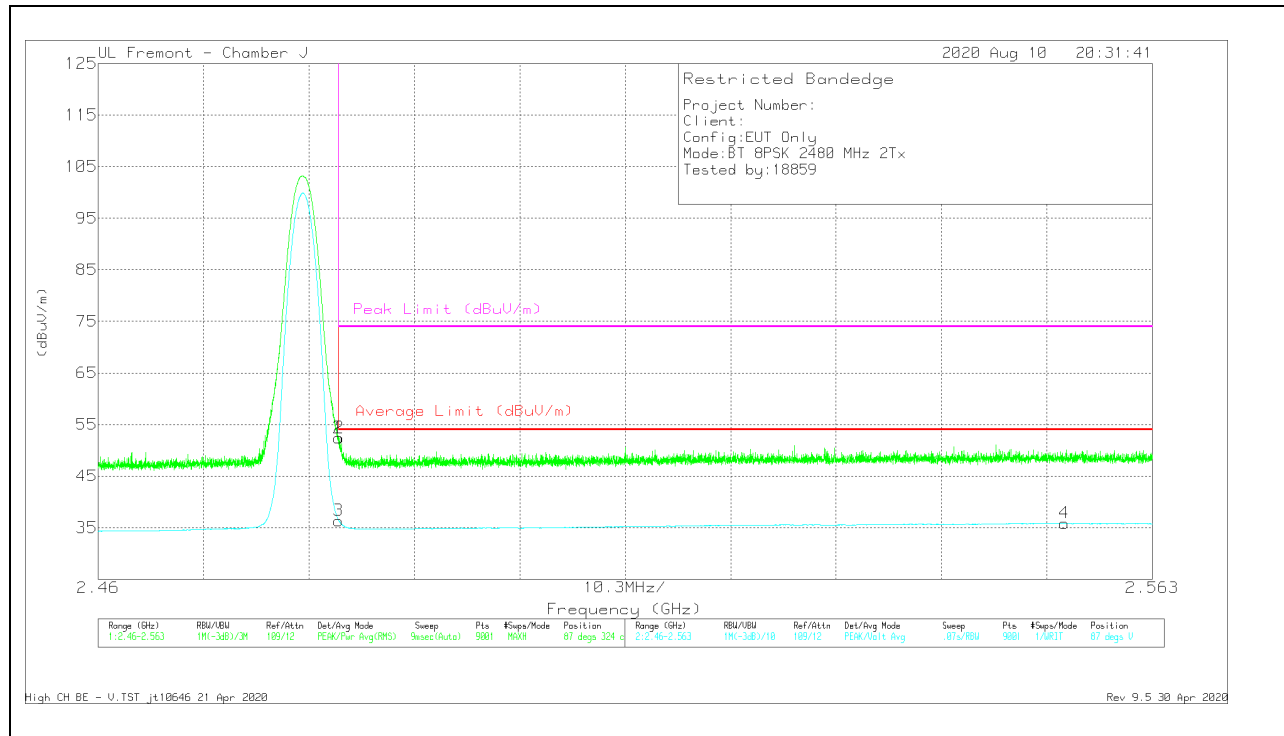
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	48.36	Pk	29.5	-14.6	63.26	-	-	74	-10.74	194	162	H
2	* 2.48352	48.47	Pk	29.5	-14.6	63.37	-	-	74	-10.63	194	162	H
3	* 2.48351	27.71	VA1T	29.5	-14.6	42.61	54	-11.39	-	-	194	162	H
4	* 2.48517	21.4	VA1T	29.5	-14.6	36.3	54	-17.7	-	-	194	162	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	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	37.48	Pk	29.5	-14.6	52.38	-	-	74	-21.62	87	324	V
2	* 2.48352	37.52	Pk	29.5	-14.6	52.42	-	-	74	-21.58	87	324	V
3	* 2.48351	21.47	VA1T	29.5	-14.6	36.37	54	-17.63	-	-	87	324	V
4	2.55442	20.38	VA1T	29.9	-14.4	35.88	54	-18.12	-	-	87	324	V

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

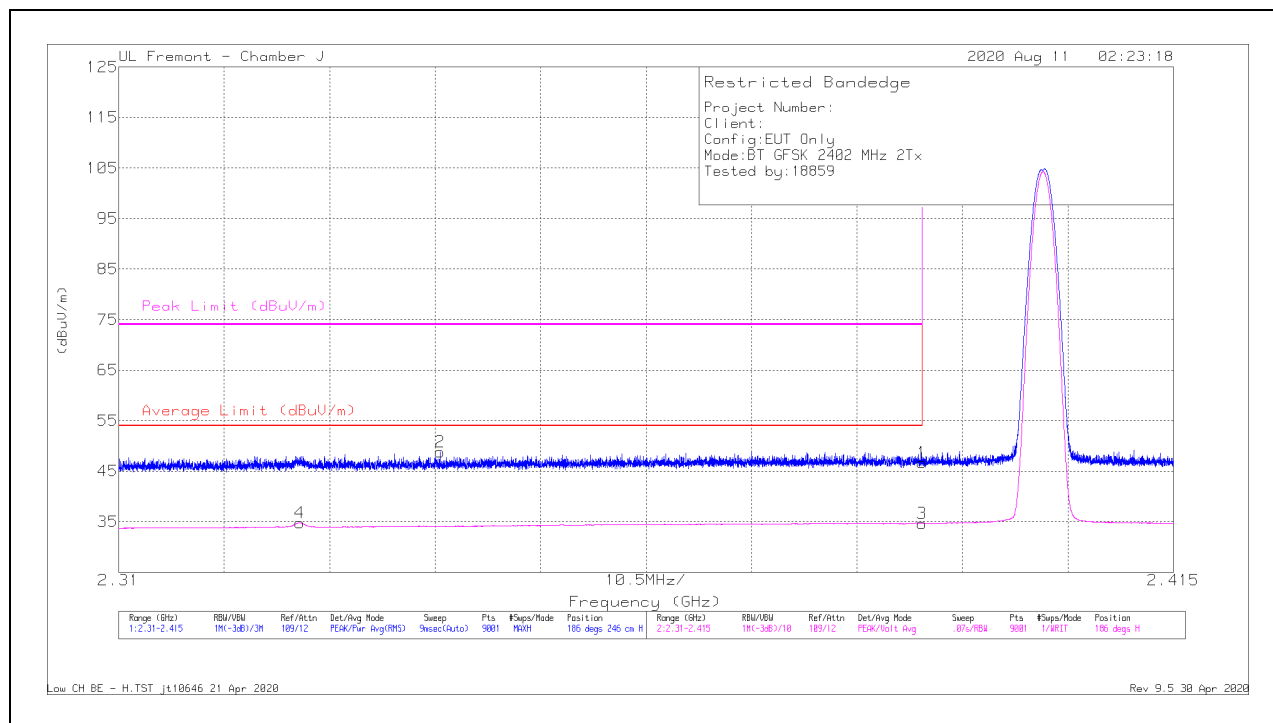
Pk - Peak detector

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

10.1.7. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.43	Pk	29	-14.7	46.73	-	-	74	-27.27	186	246	H
2	* 2.34199	34.85	Pk	28.9	-14.9	48.85	-	-	74	-25.15	186	246	H
3	* 2.38999	20.34	VA1T	29	-14.7	34.64	54	-19.36	-	-	186	246	H
4	* 2.32801	20.77	VA1T	28.9	-14.9	34.77	54	-19.23	-	-	186	246	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