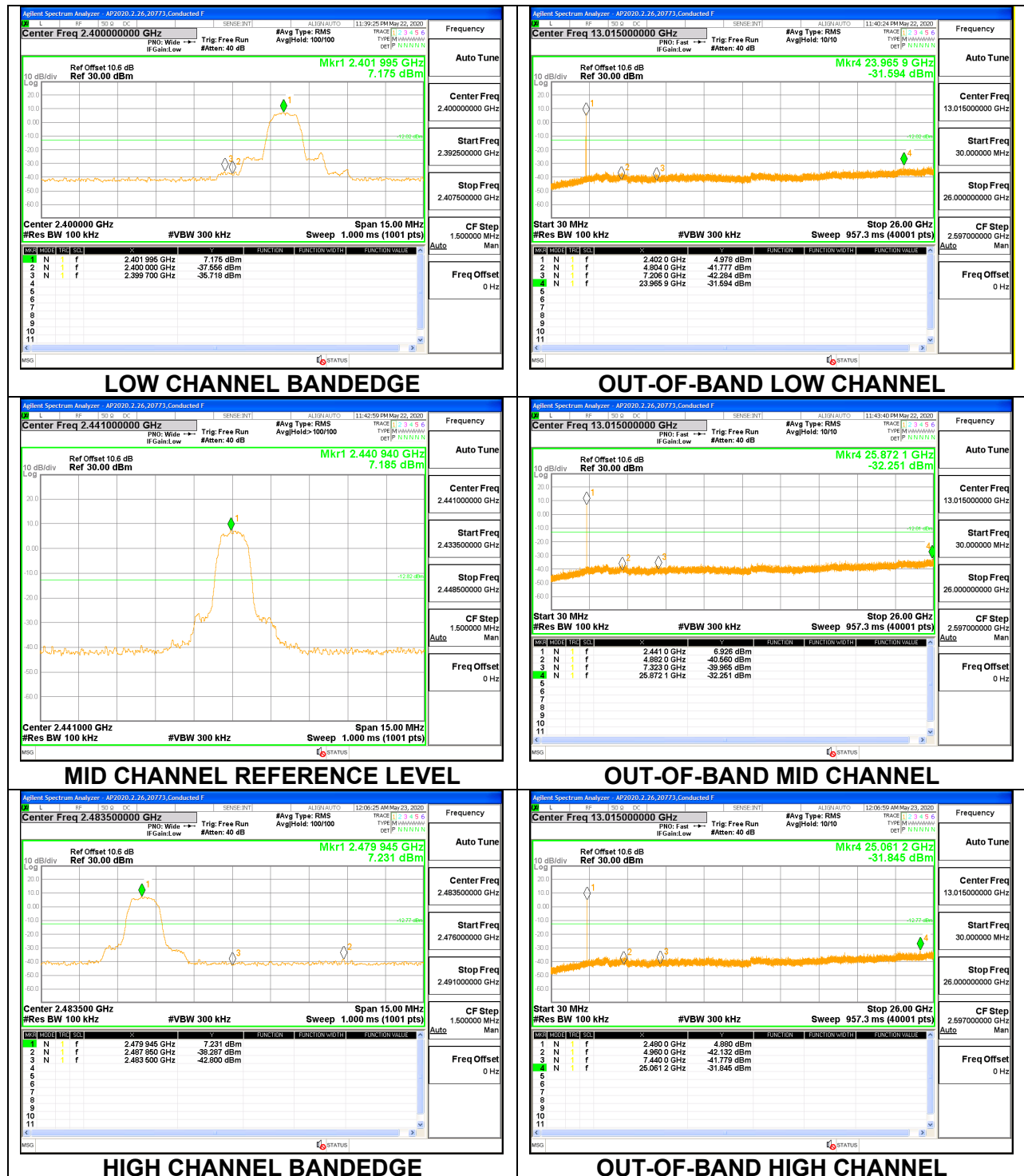
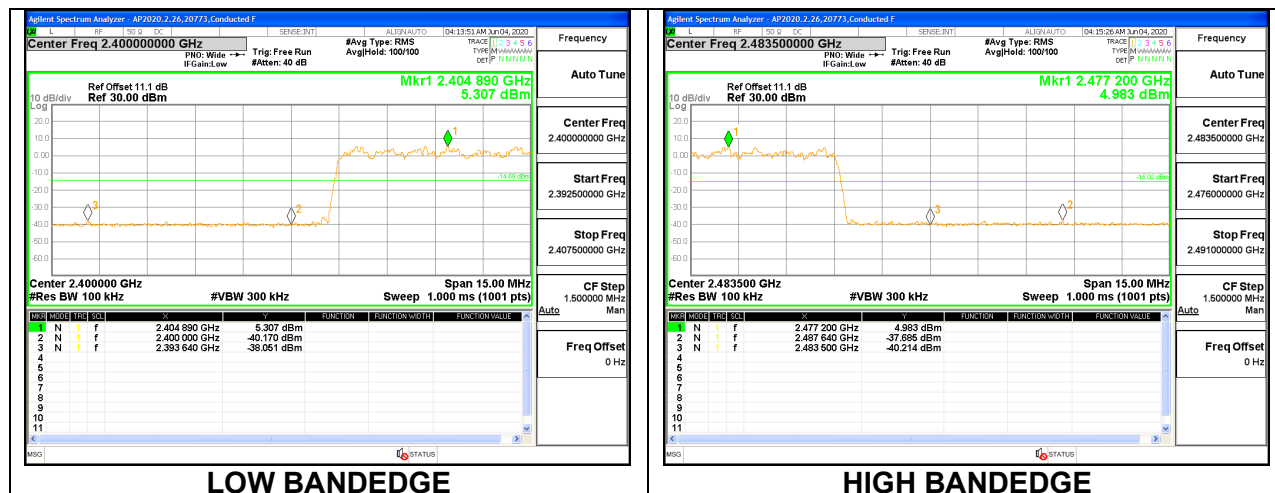


9.8.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

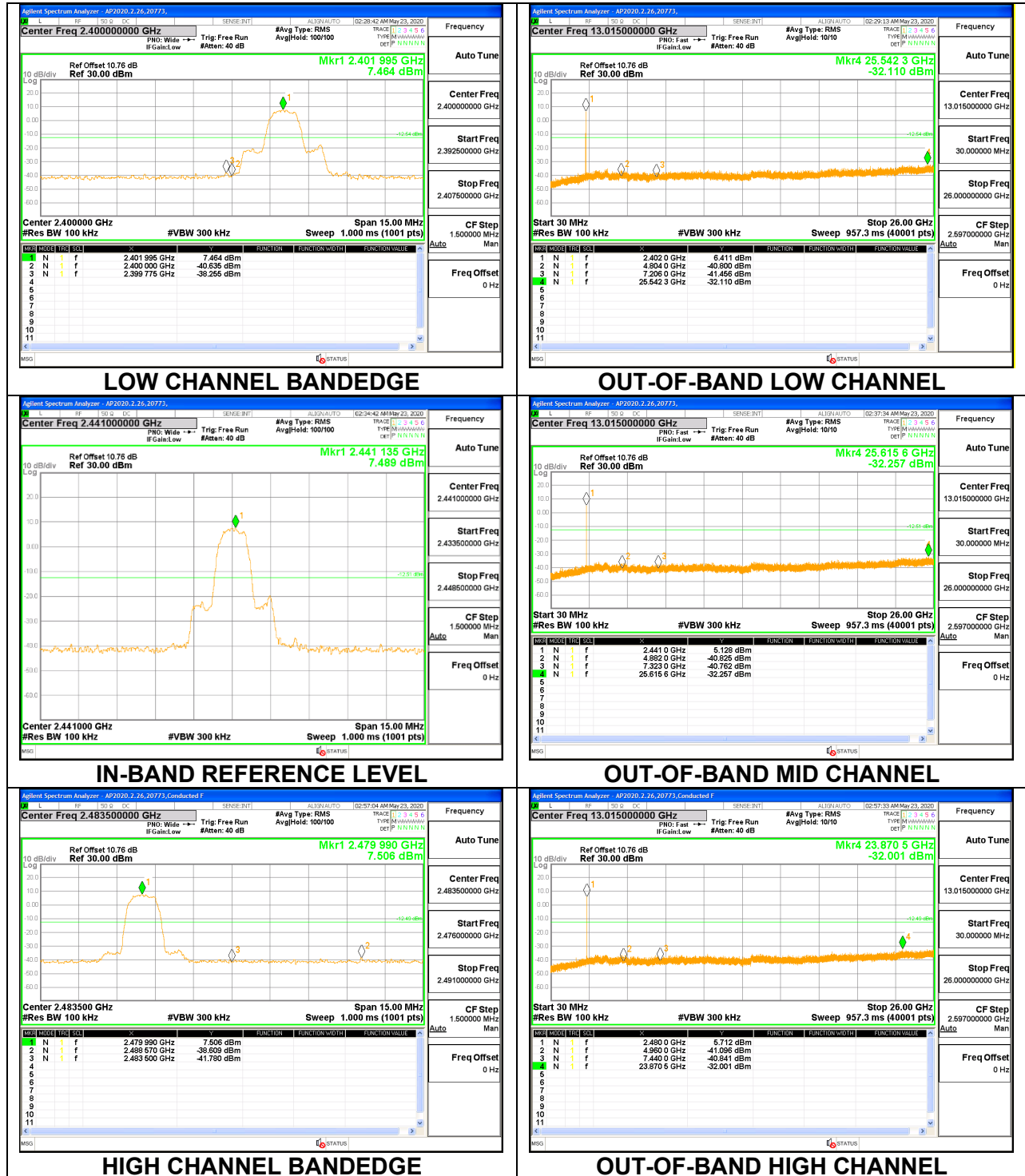
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



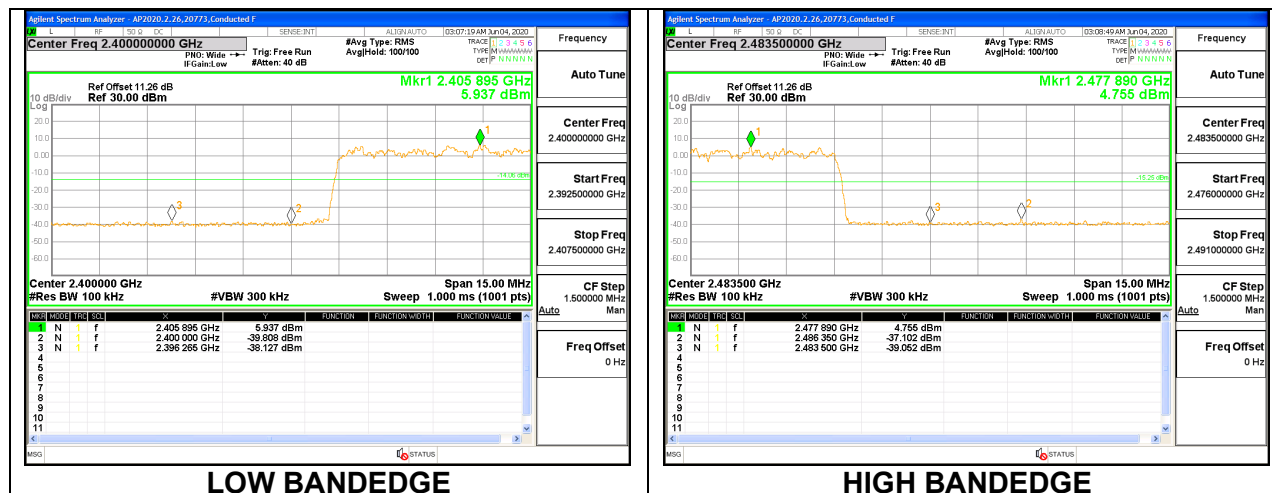
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING

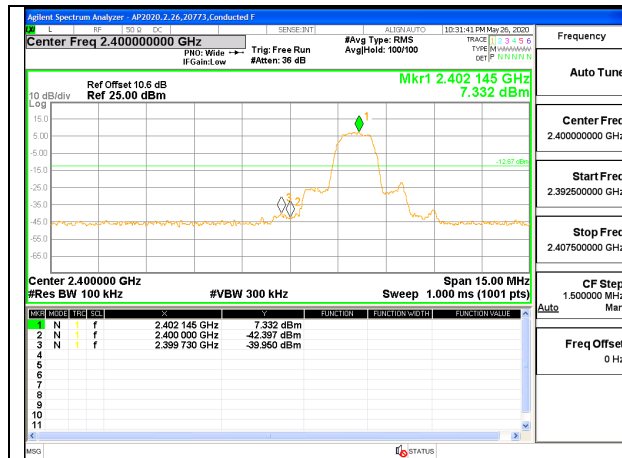


Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

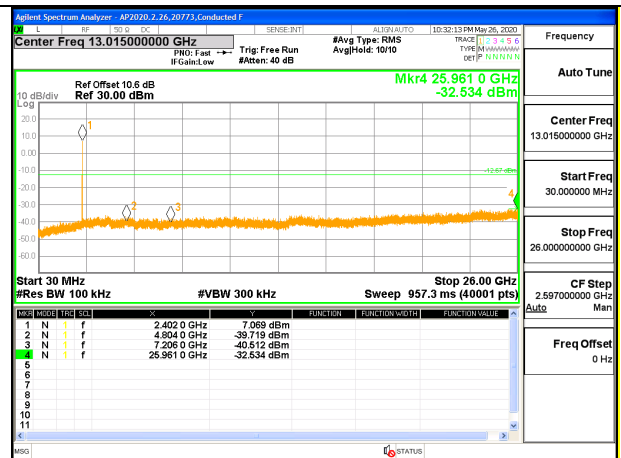


9.8.8. LOW POWER ENHANCED DATA RATE TXBF 8PSK MODULATION

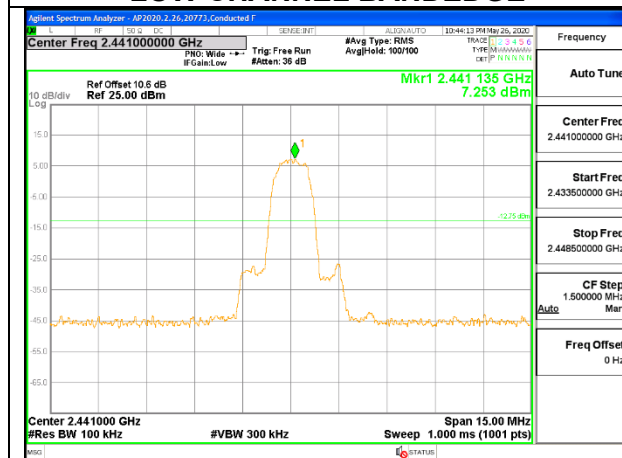
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



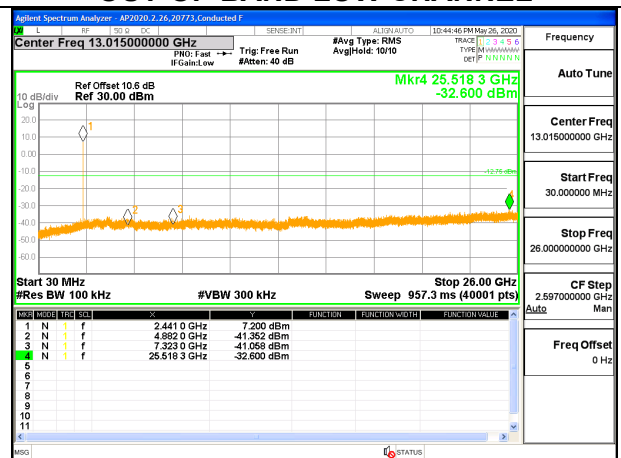
LOW CHANNEL BANDEDGE



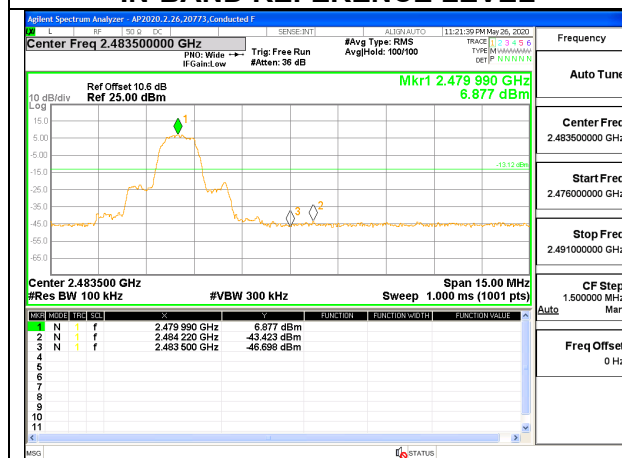
OUT-OF-BAND LOW CHANNEL



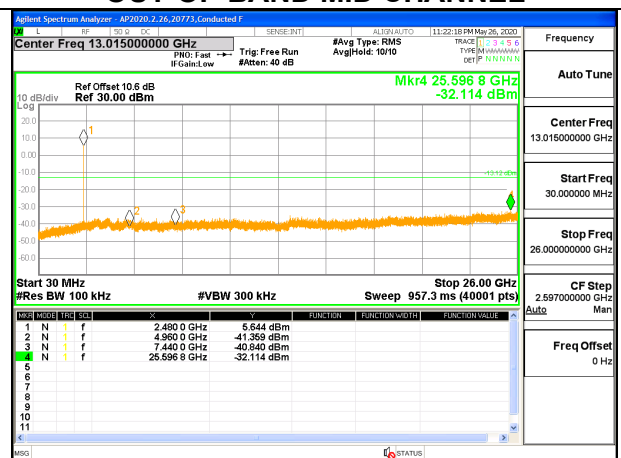
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

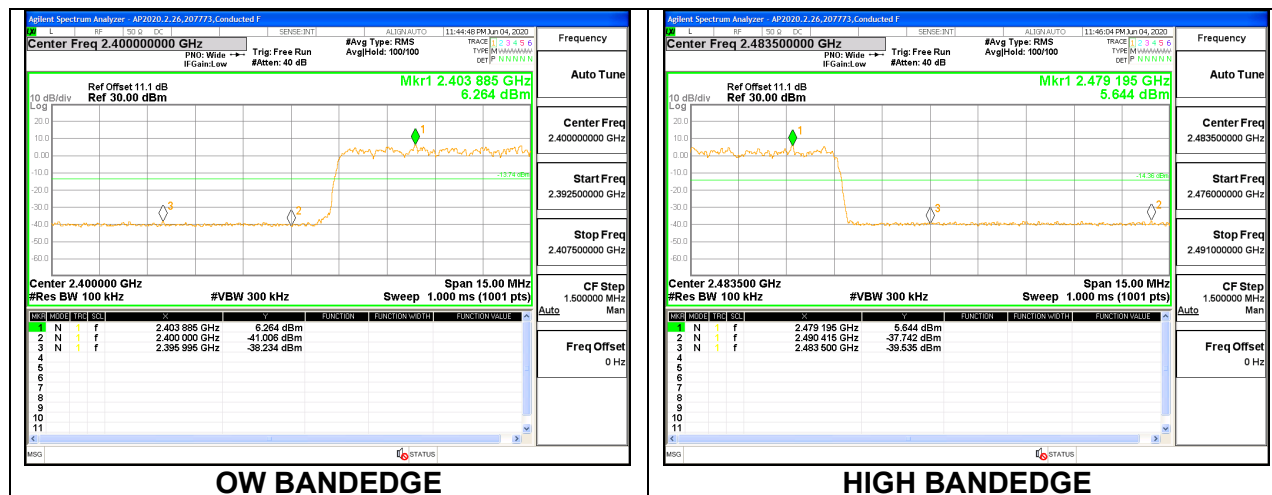


HIGH CHANNEL BANDEDGE

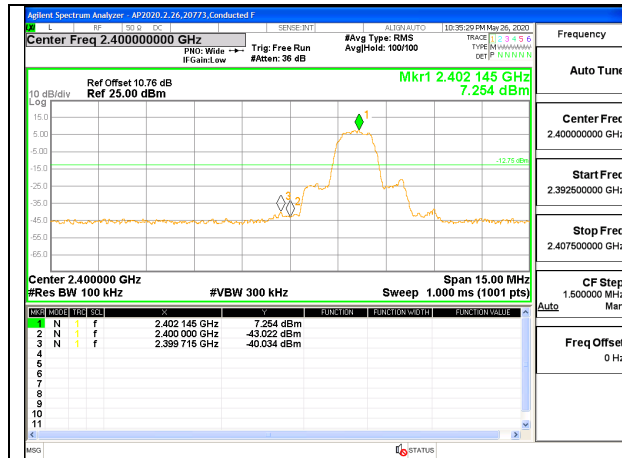


OUT-OF-BAND HIGH CHANNEL

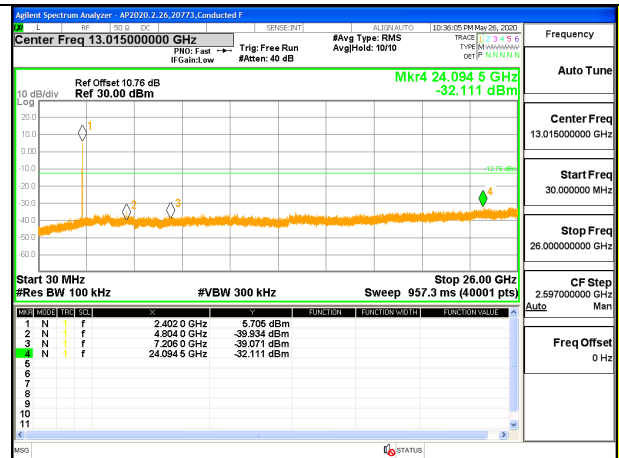
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



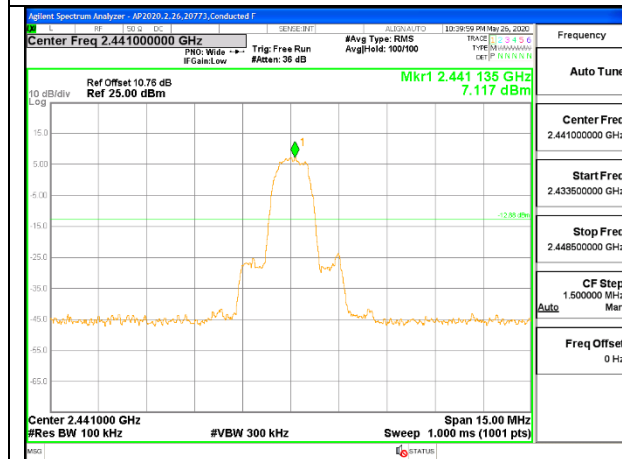
Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING



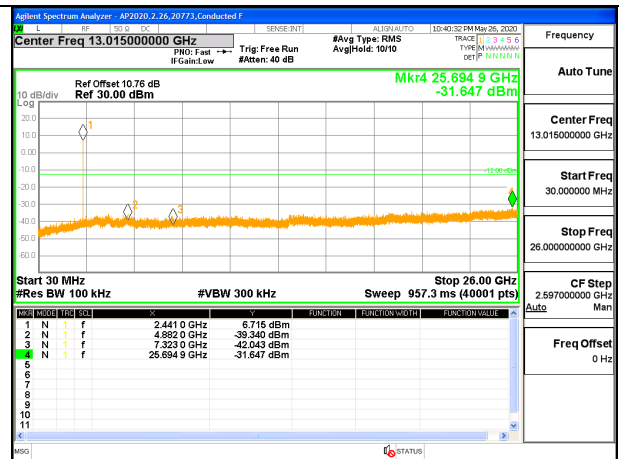
LOW CHANNEL BANDEDGE



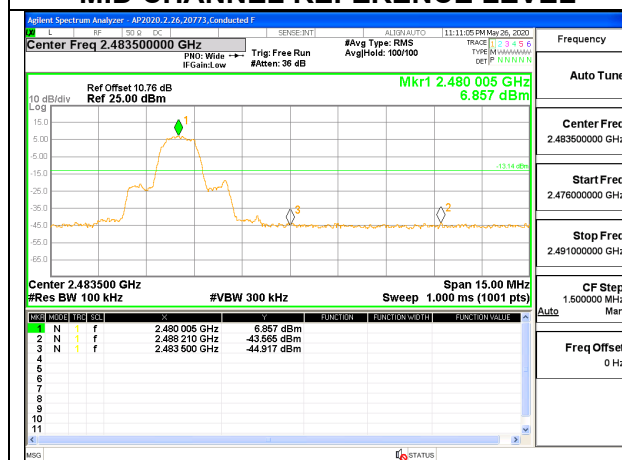
OUT-OF-BAND LOW CHANNEL



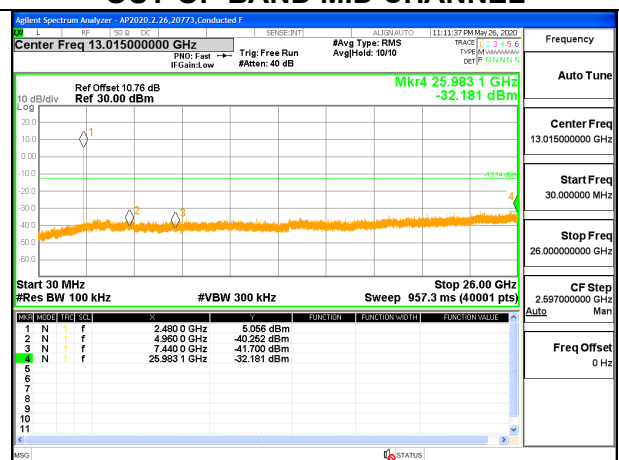
MID CHANNEL REFERENCE LEVEL



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.

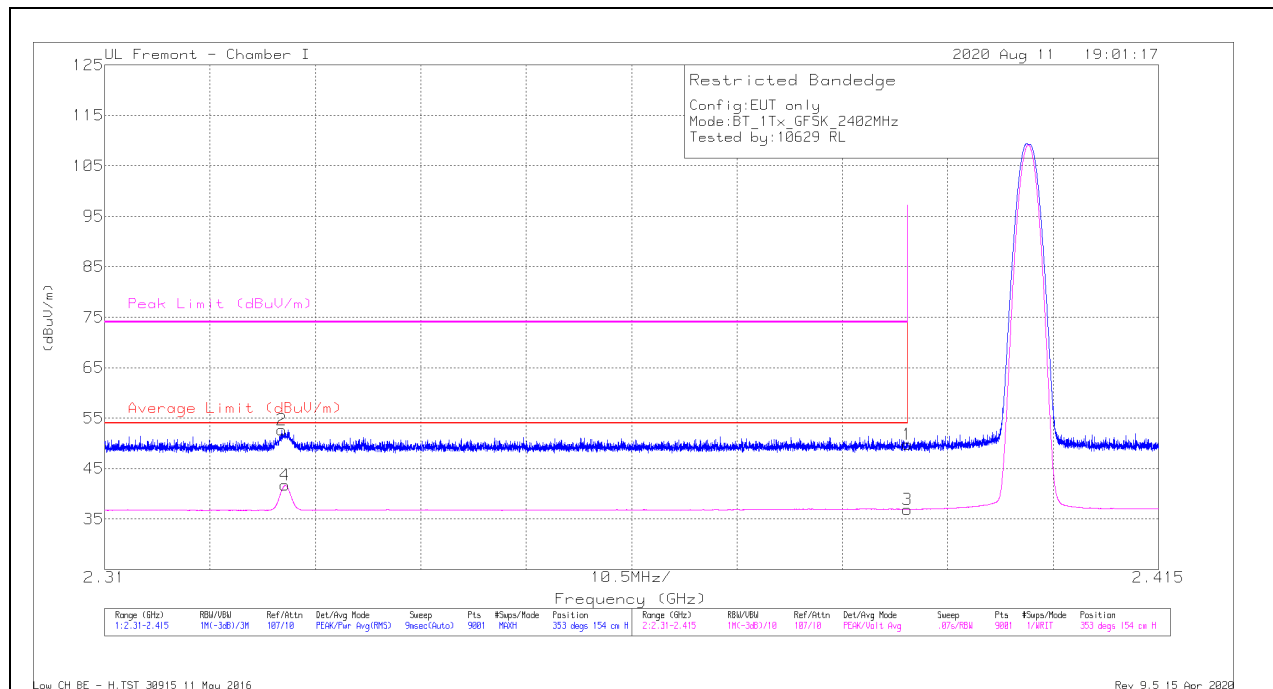
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



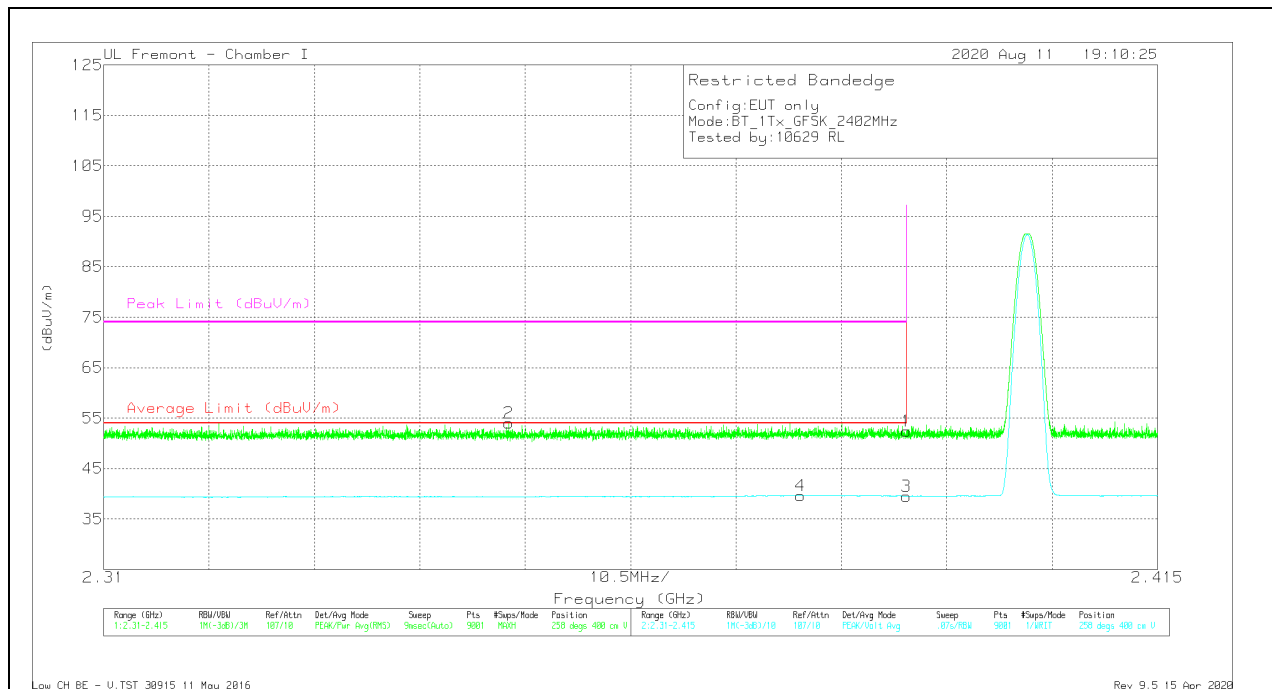
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	35.08	Pk	32	-17.3	49.78	-	-	74	-24.22	353	154	H
2	* 2.32763	38.19	Pk	31.7	-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

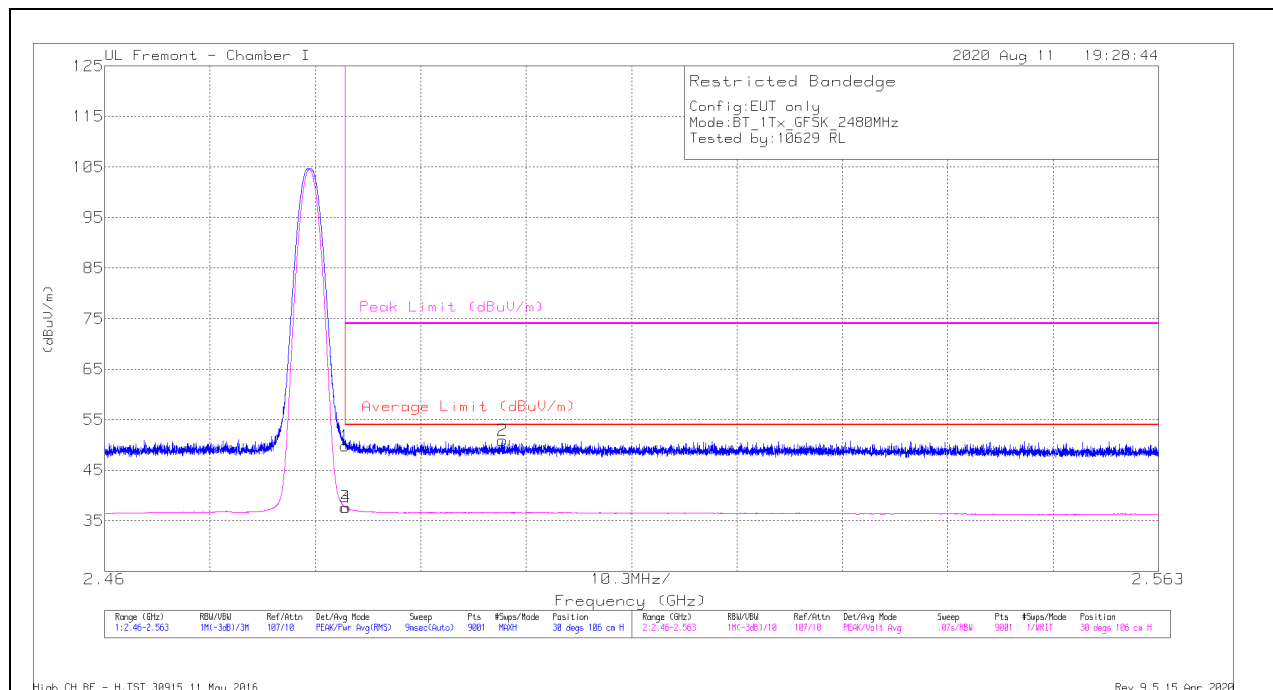
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



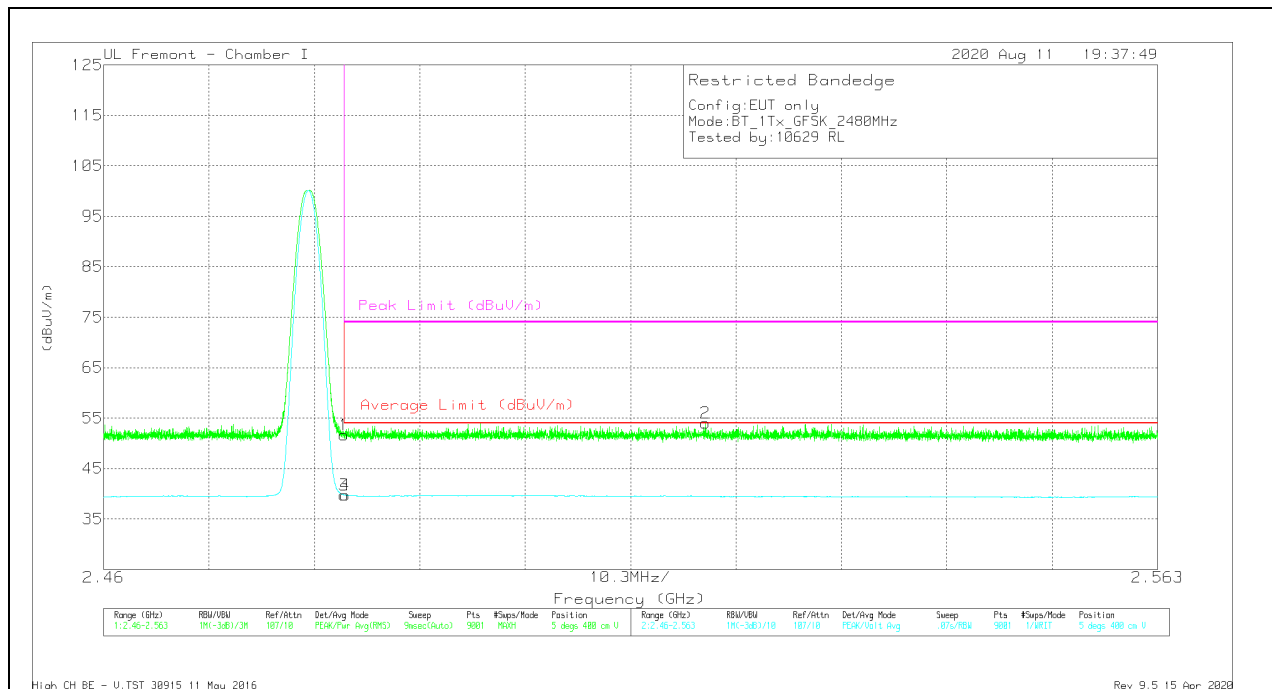
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	35.15	Pk	32.4	-17.7	49.85	-	-	74	-24.15	30	106	H
2	* 2.49889	36.2	Pk	32.5	-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/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	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

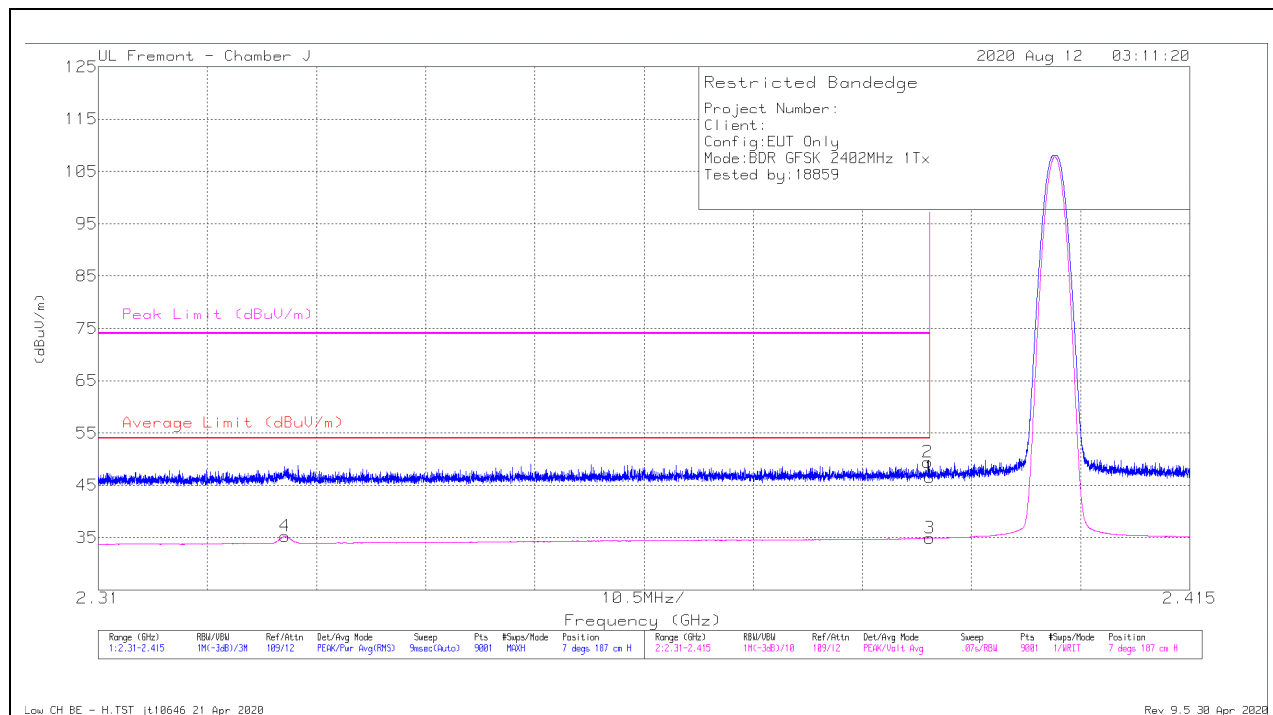
Pk - Peak detector

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



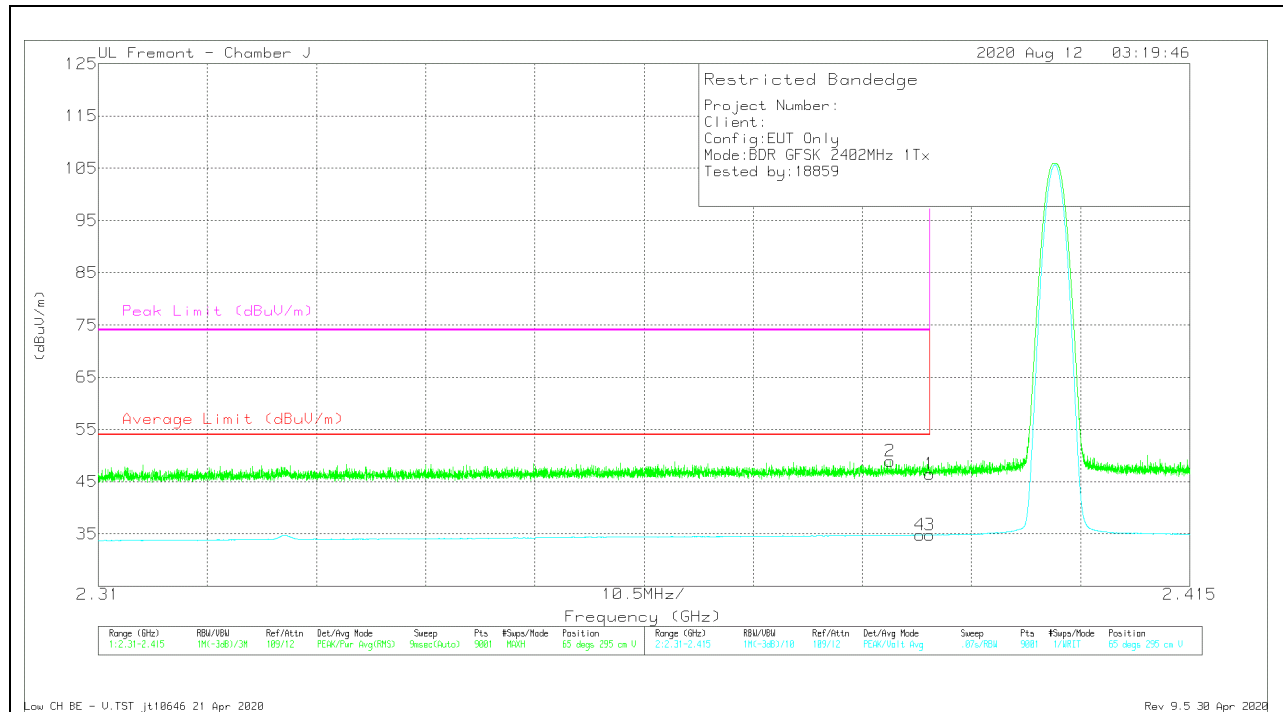
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.29	Pk	29	-14.7	46.59	-	-	74	-27.41	7	187	H
2	* 2.38979	35.15	Pk	29	-14.7	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

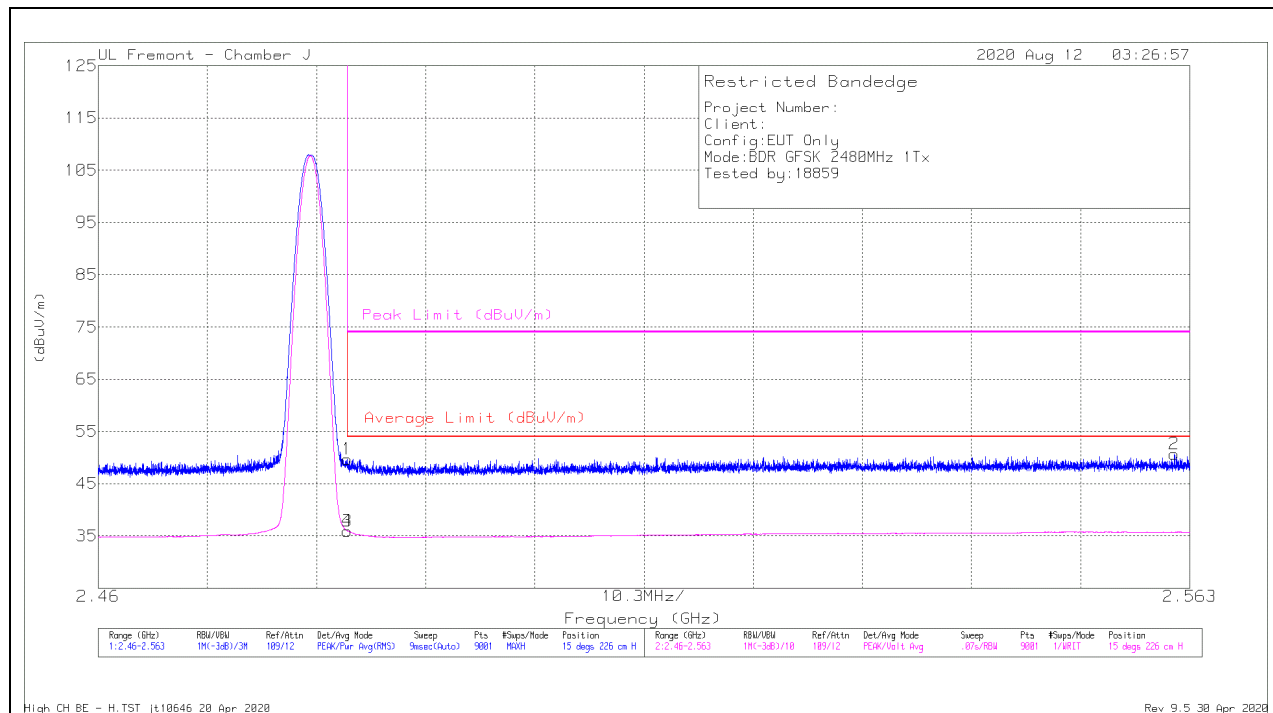
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



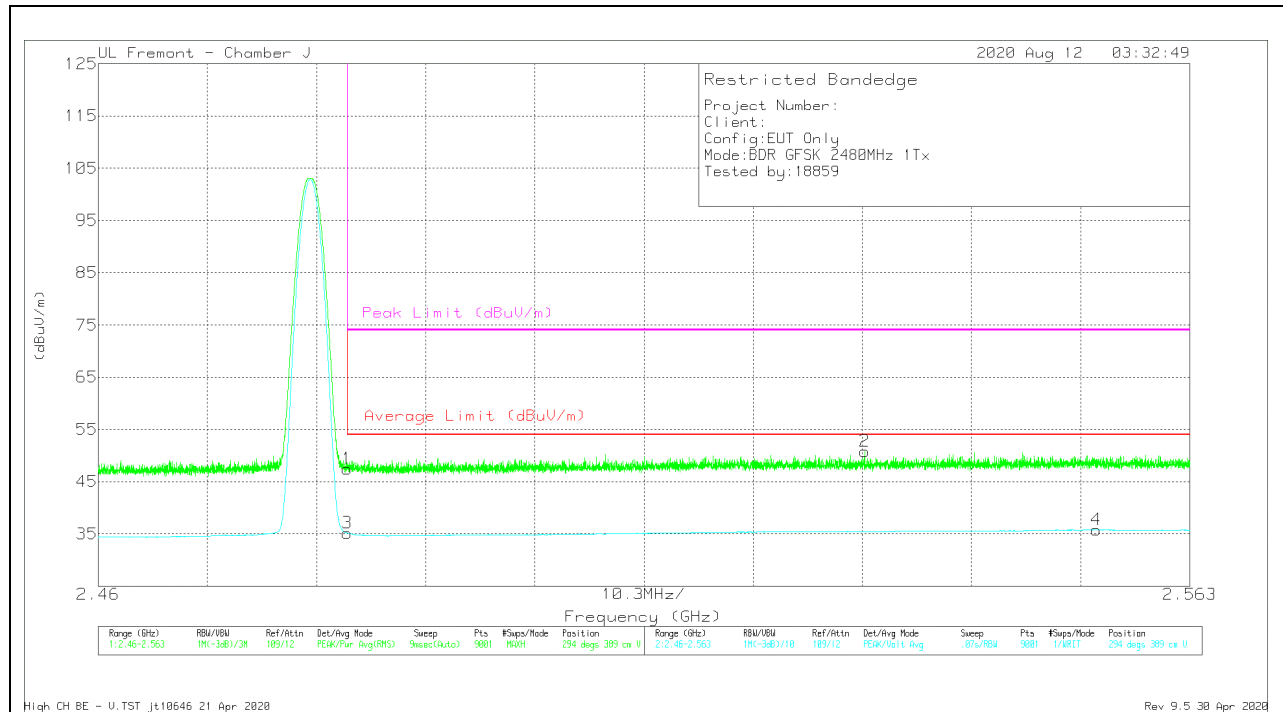
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	34.82	Pk	29.5	-14.6	49.72	-	-	74	-24.28	15	226	H
2	2.56155	35.24	Pk	29.8	-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

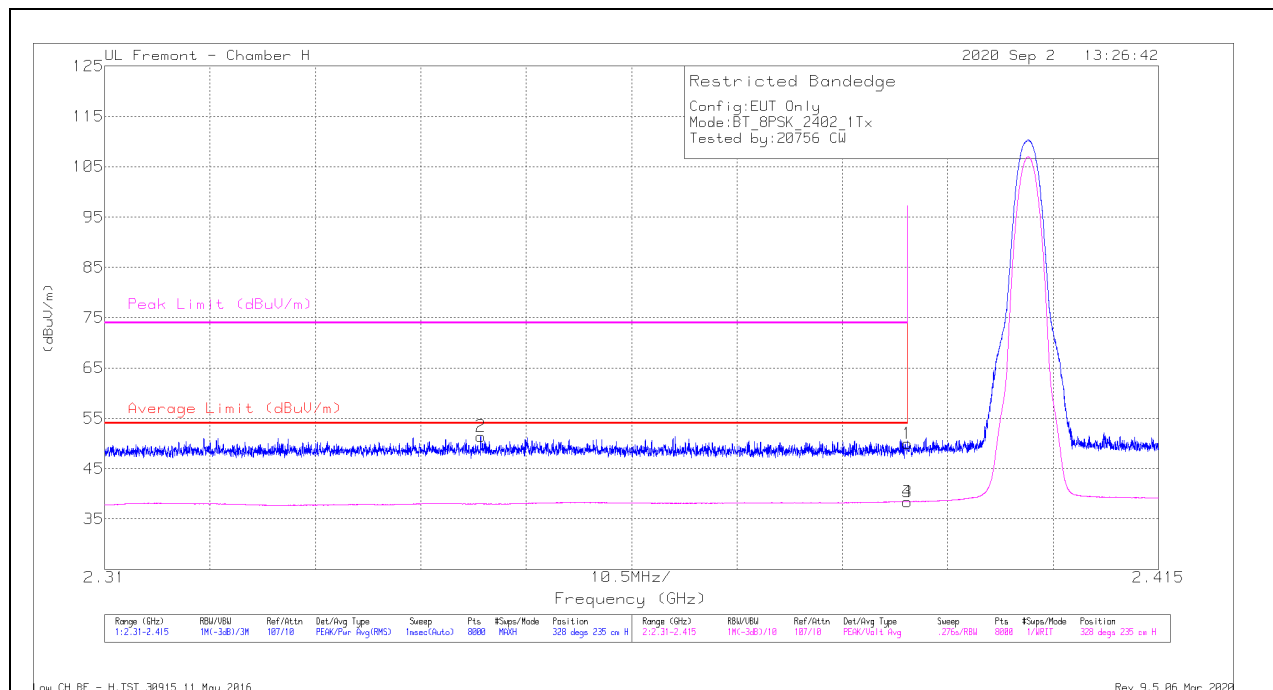
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.2. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



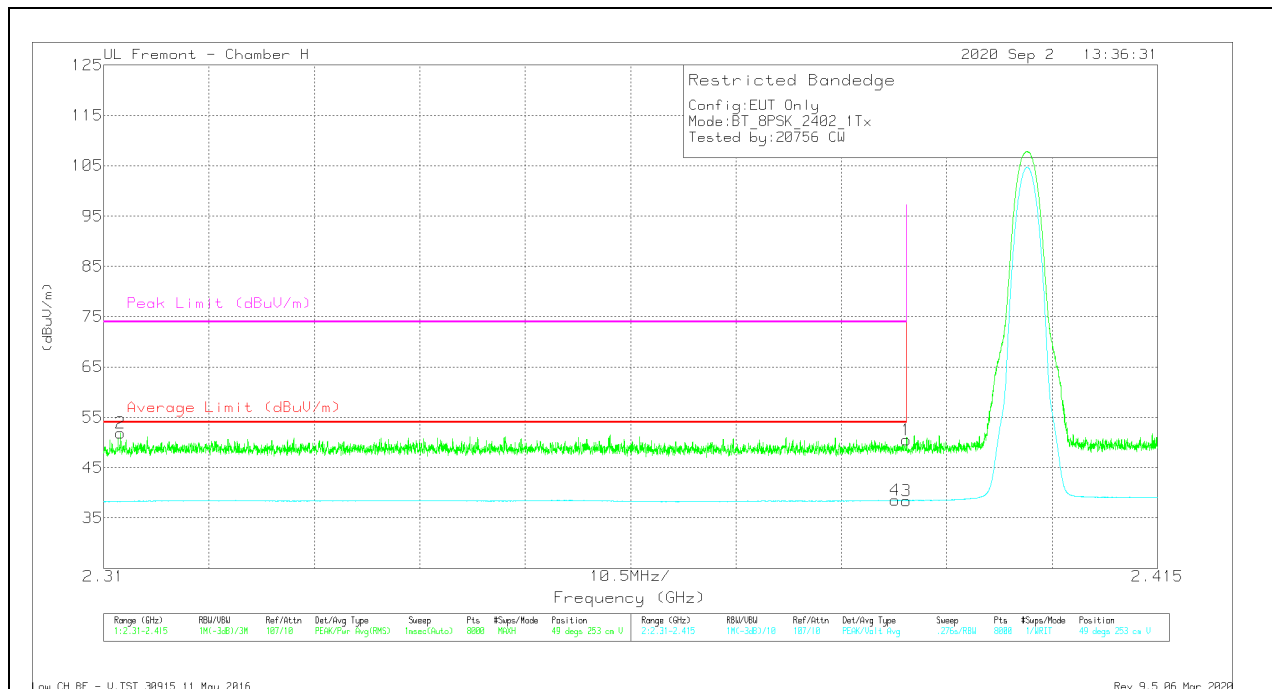
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.97	Pk	31.8	-23.8	49.97	-	-	74	-24.03	328	235	H
2	* 2.34746	43.44	Pk	31.9	-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

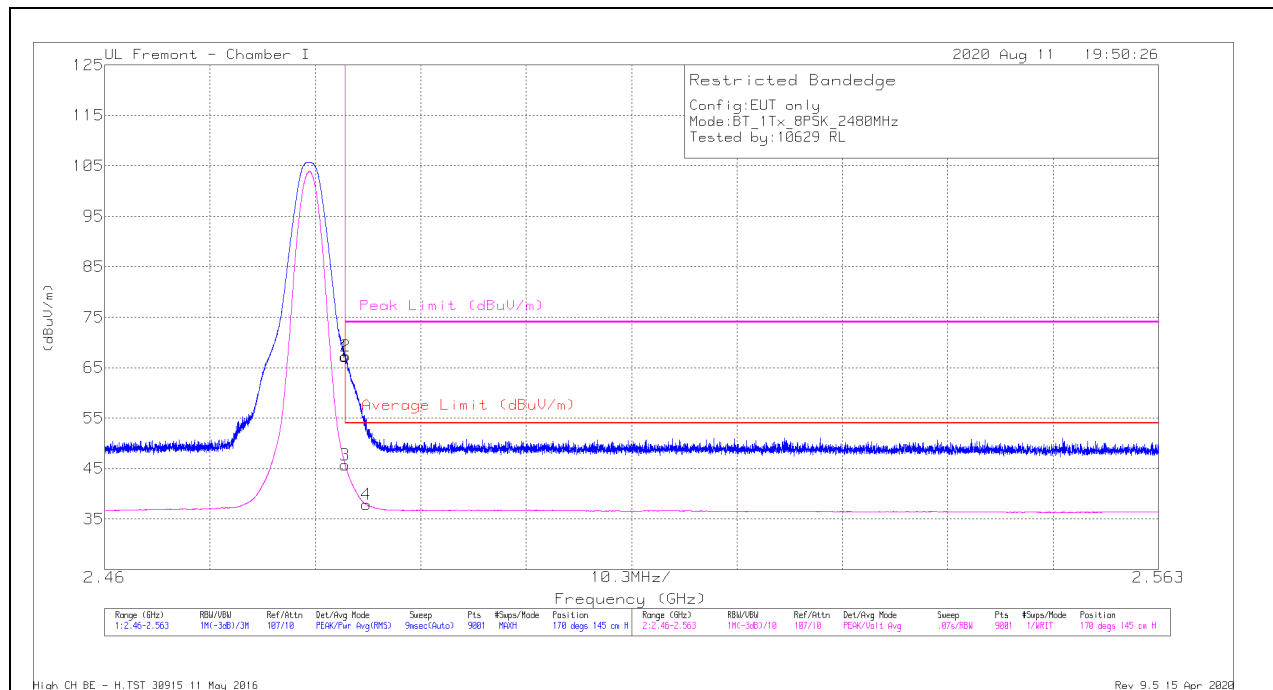
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



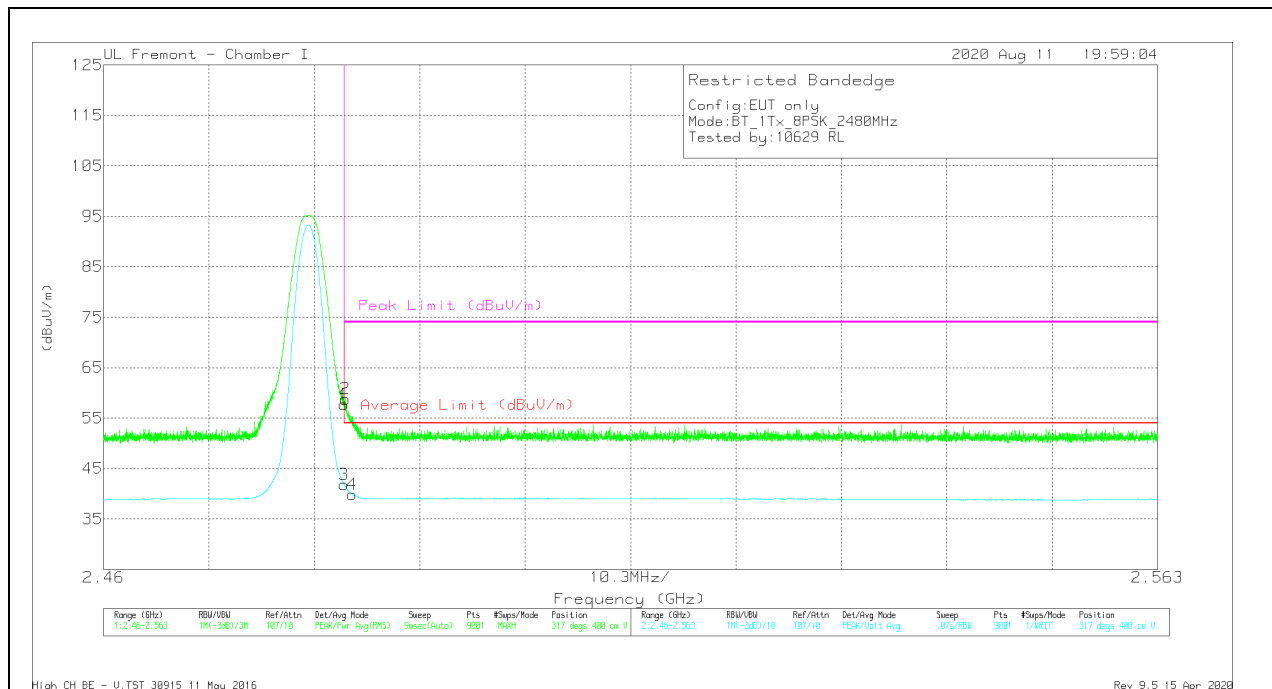
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb1/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	52.42	Pk	32.4	-17.7	67.12	-	-	74	-6.88	170	145	H
2	* 2.48353	52.59	Pk	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/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	43.03	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

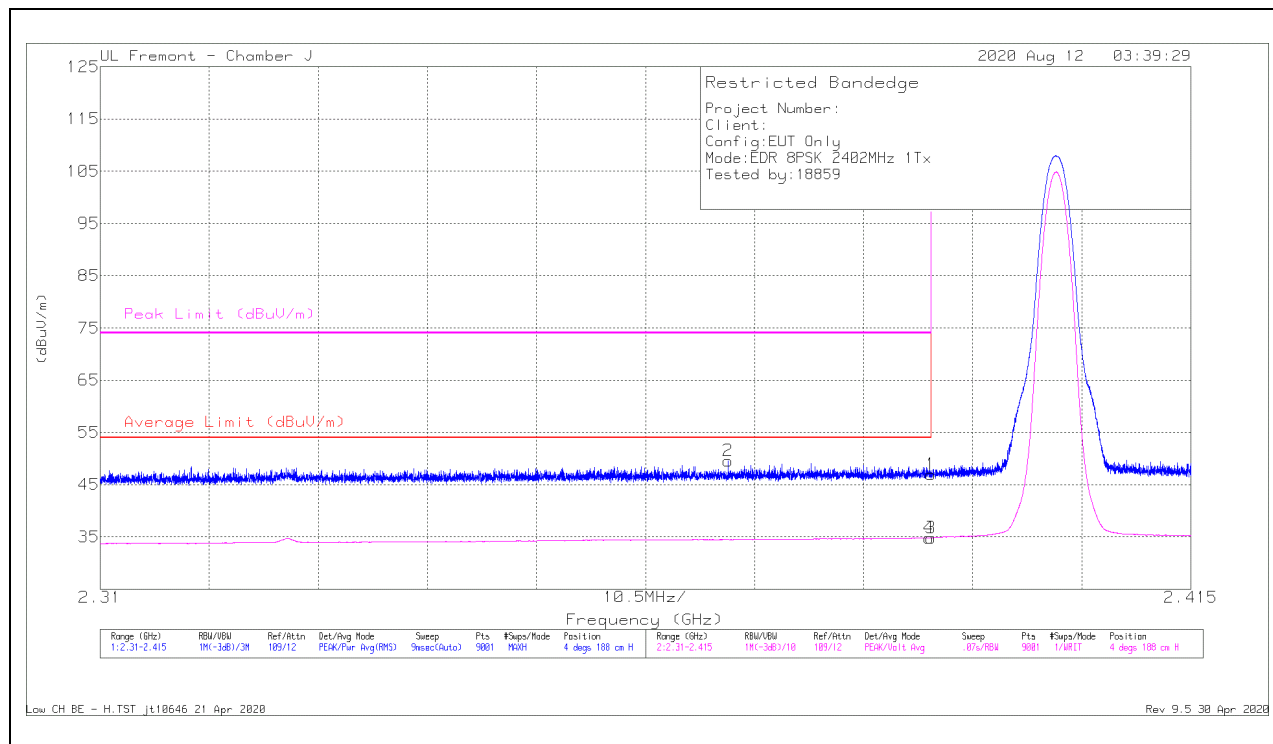
Pk - Peak detector

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



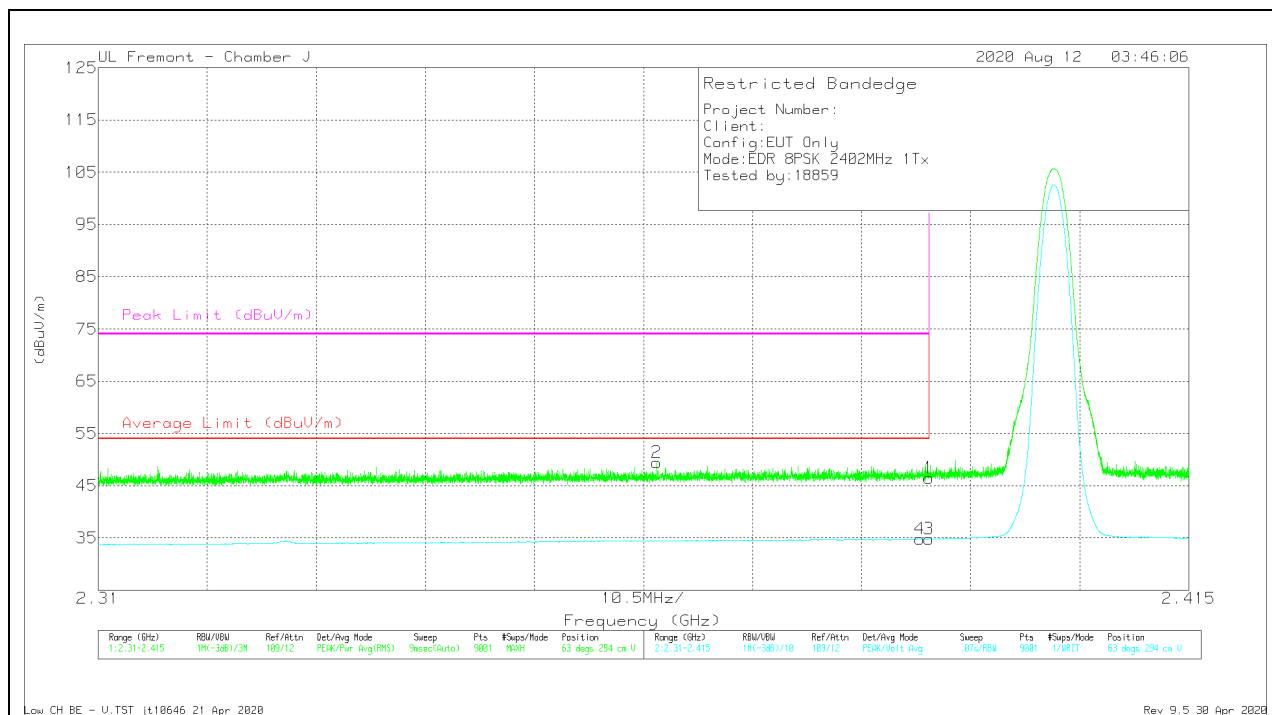
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38099	32.63	Pk	29	-14.7	46.93	-	-	74	-27.07	4	188	H
2	* 2.37044	35.37	Pk	29	-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

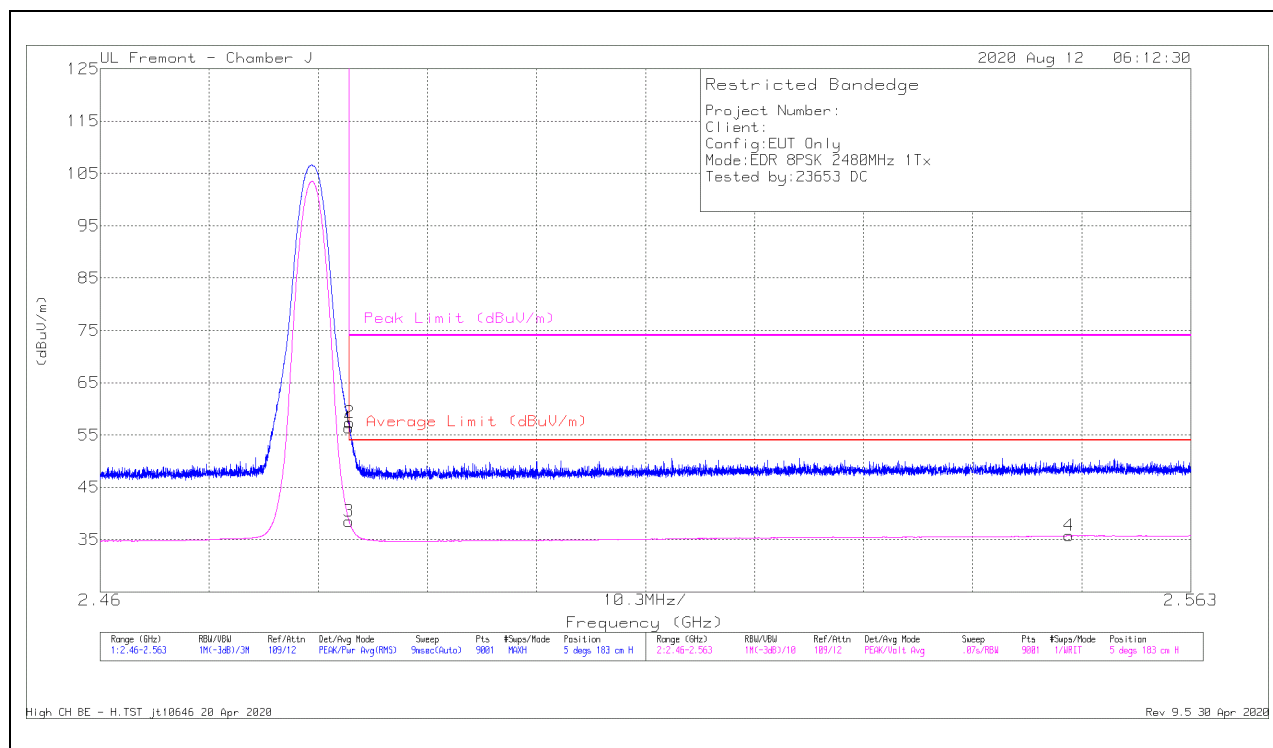
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



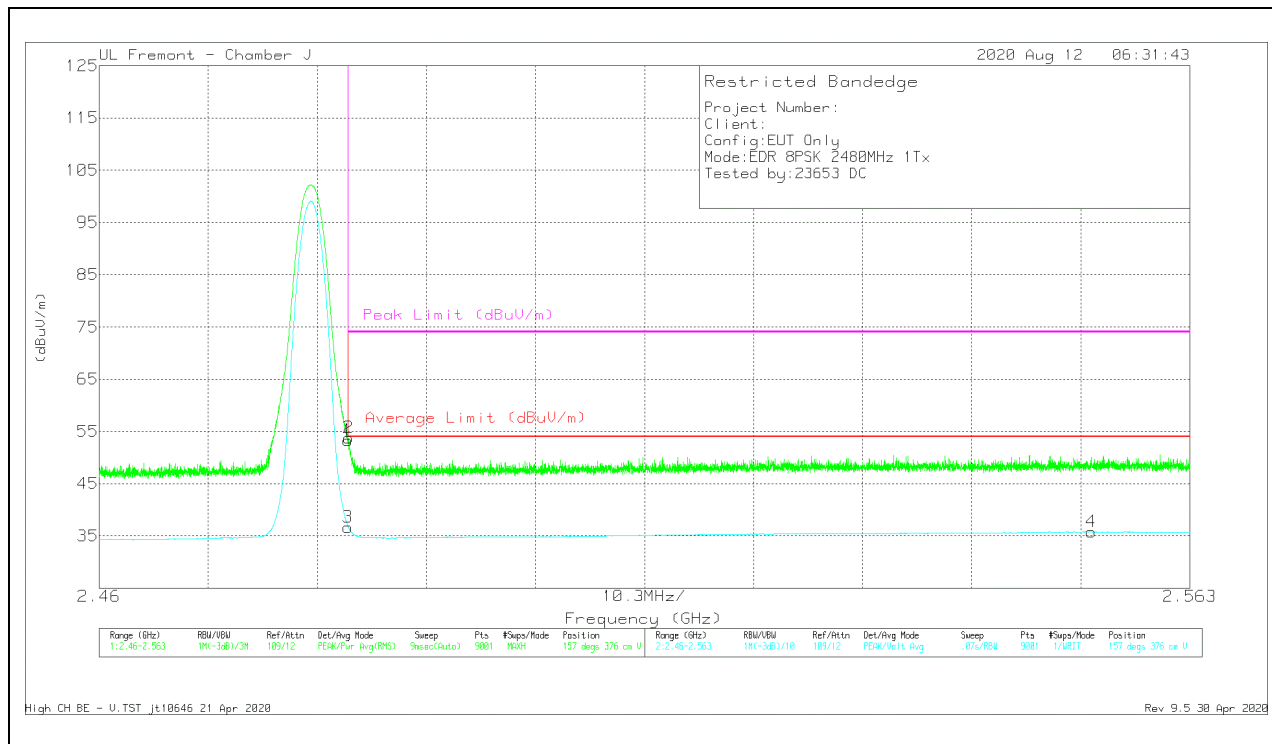
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.47	Pk	29.5	-14.6	56.37	-	-	74	-17.63	5	183	H
2	* 2.48354	42.45	Pk	29.5	-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

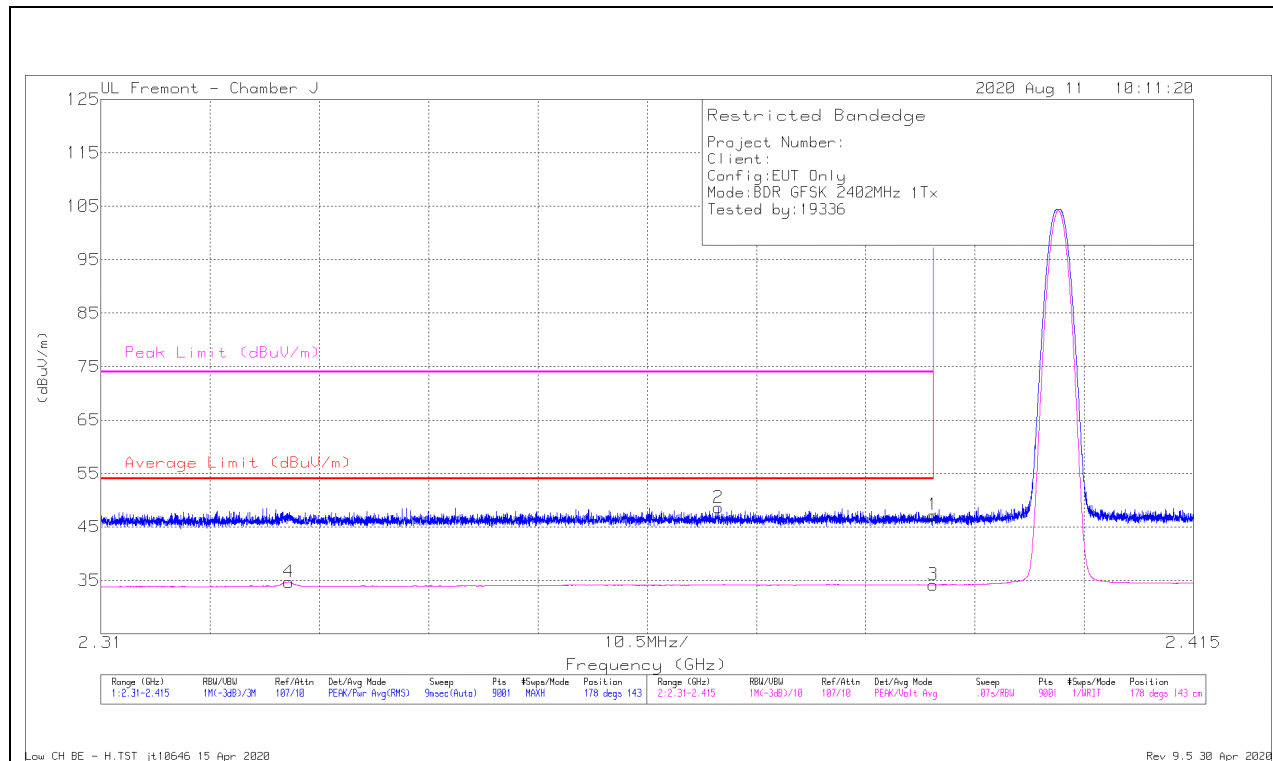
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.3. LOW POWER BASIC DATA RATE GFSK MODULATION

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



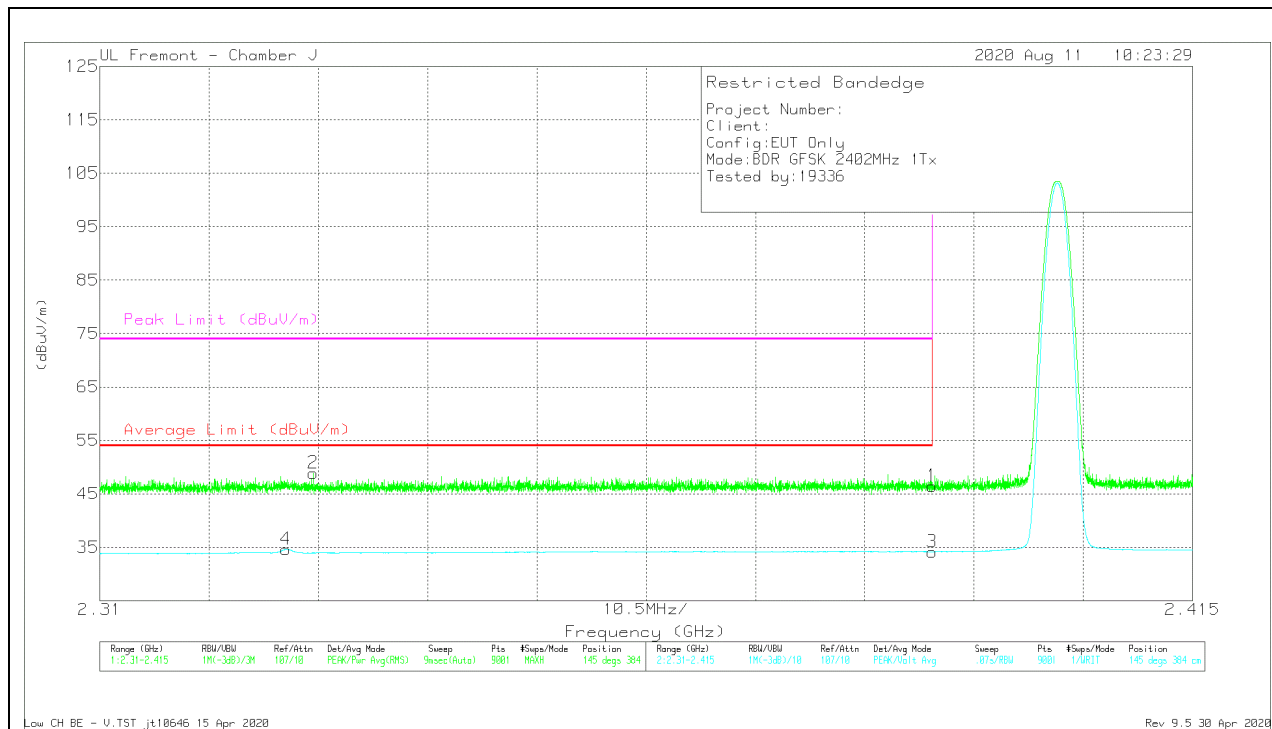
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fittr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.71	Pk	29	-25.5	47.21	-	-	74	-26.79	178	143	H
2	* 2.36934	45.11	Pk	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/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	42.97	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

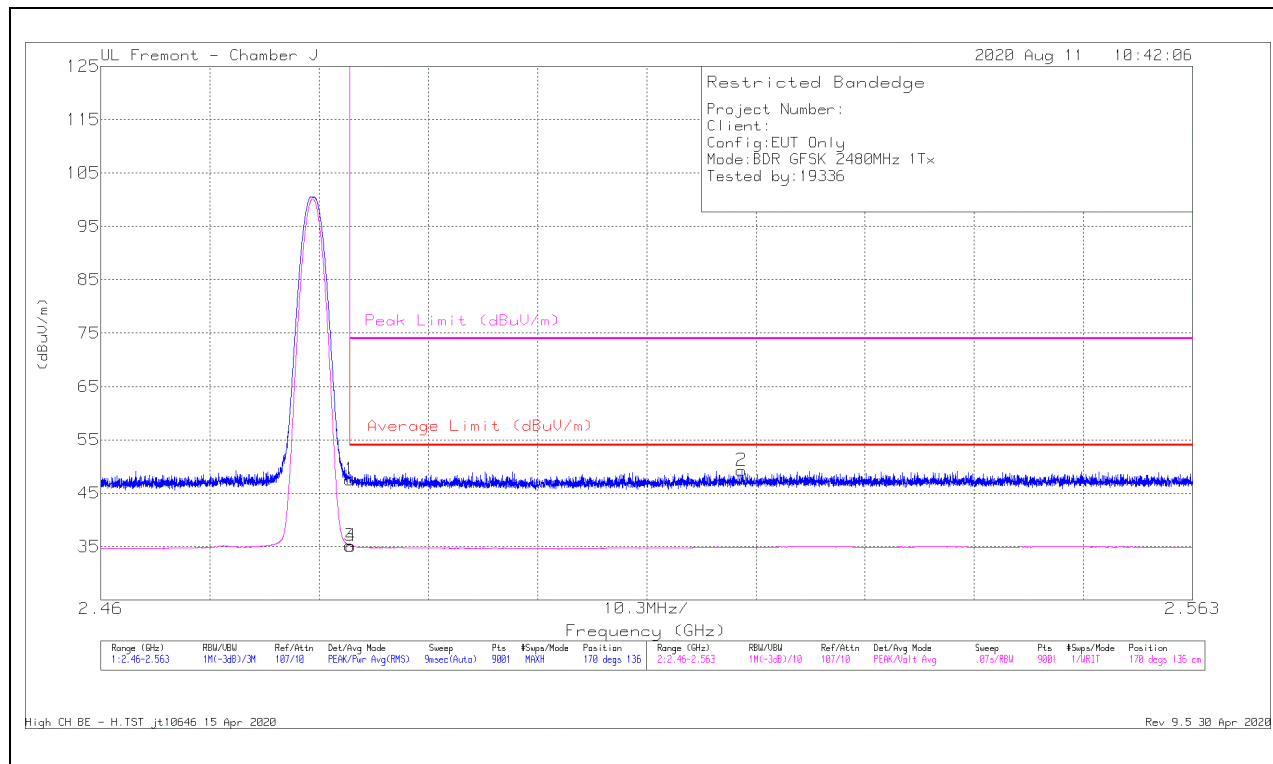
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



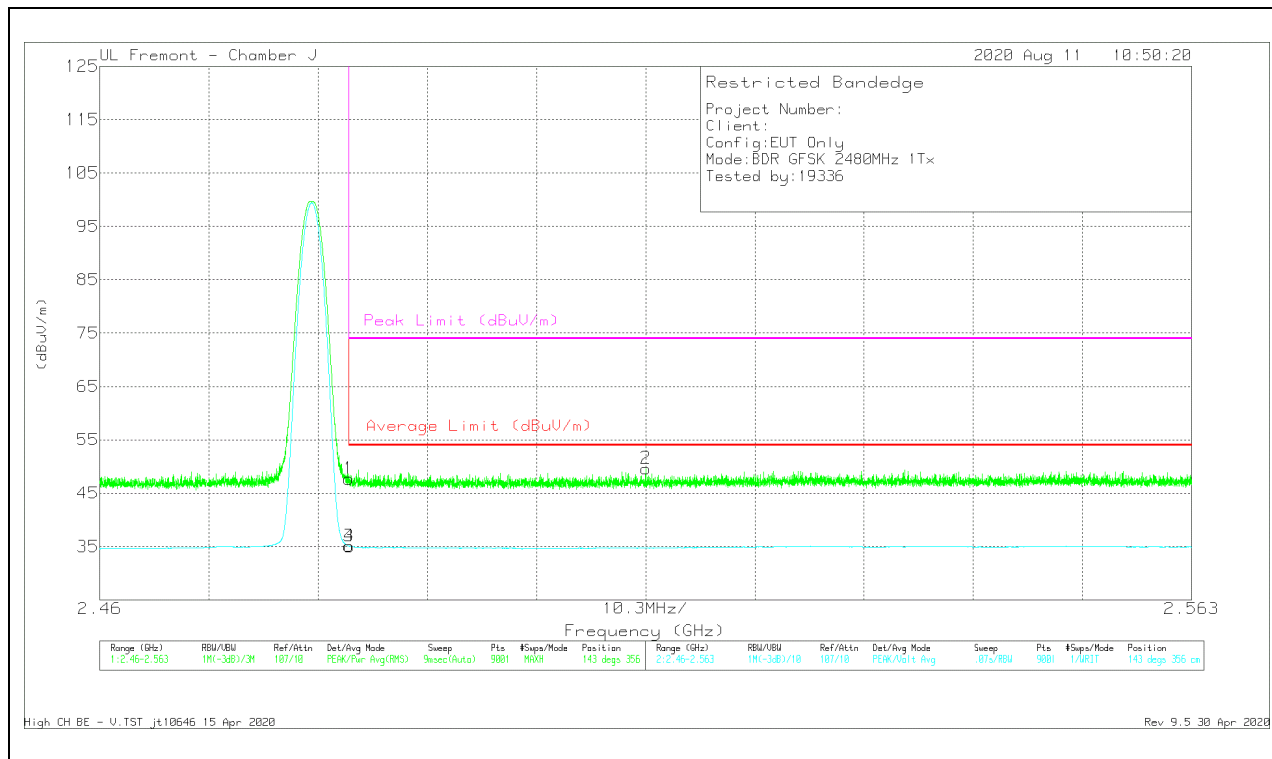
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.6	Pk	29.5	-25.5	47.6	-	-	74	-26.4	170	136	H
2	2.52045	44.87	Pk	29.8	-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/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	43.71	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

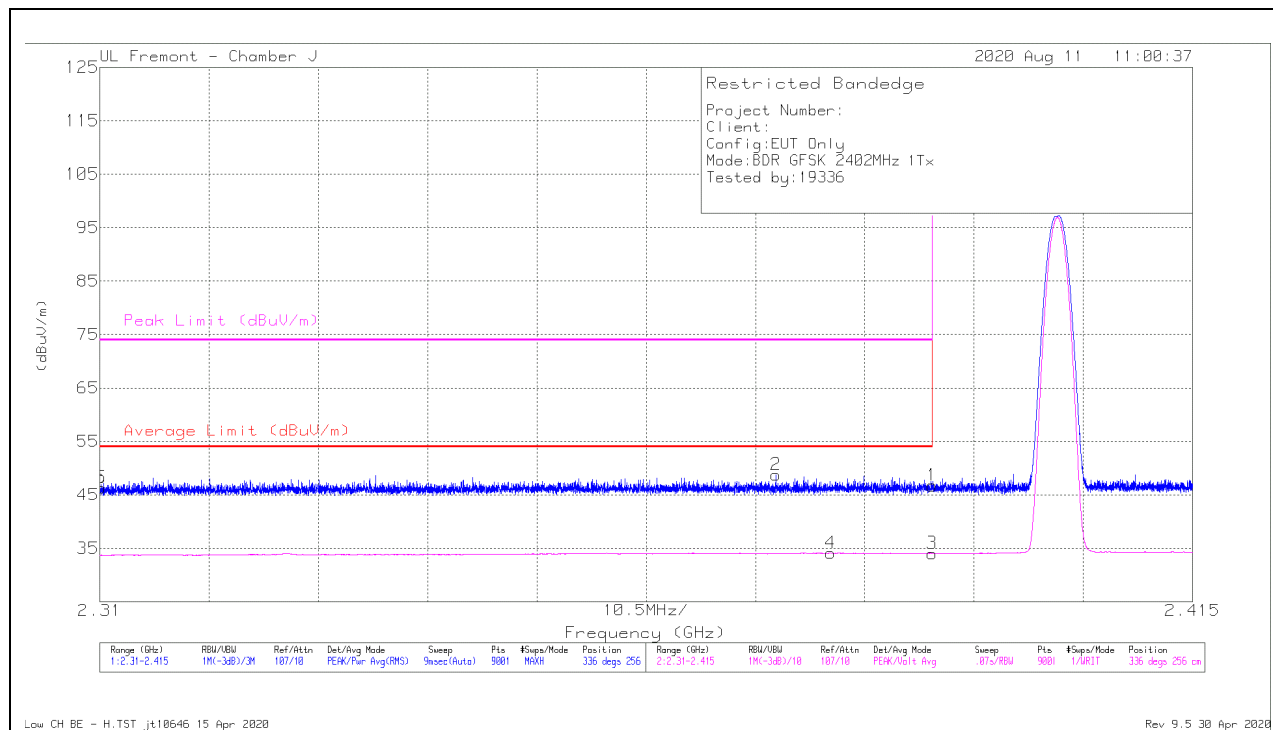
Pk - Peak detector

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



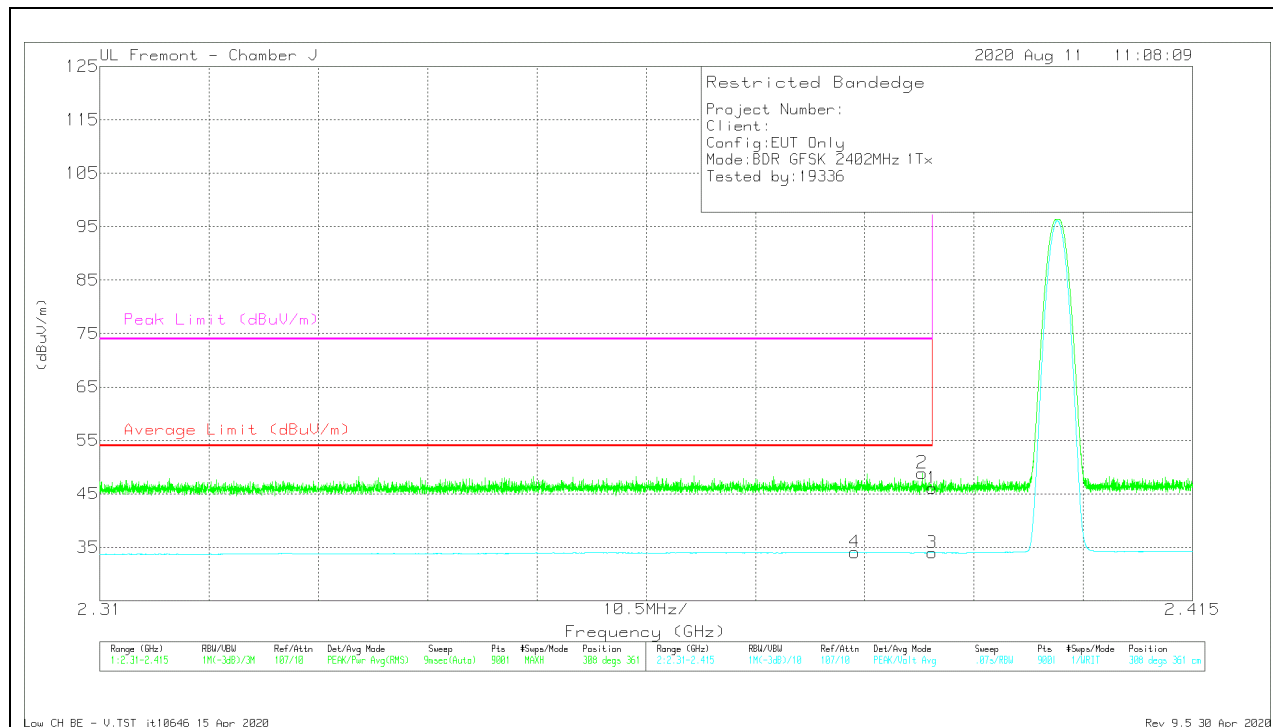
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.23	Pk	29	-25.5	46.73	-	-	74	-27.27	336	256	H
2	* 2.37497	45.24	Pk	29	-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/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	42.55	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

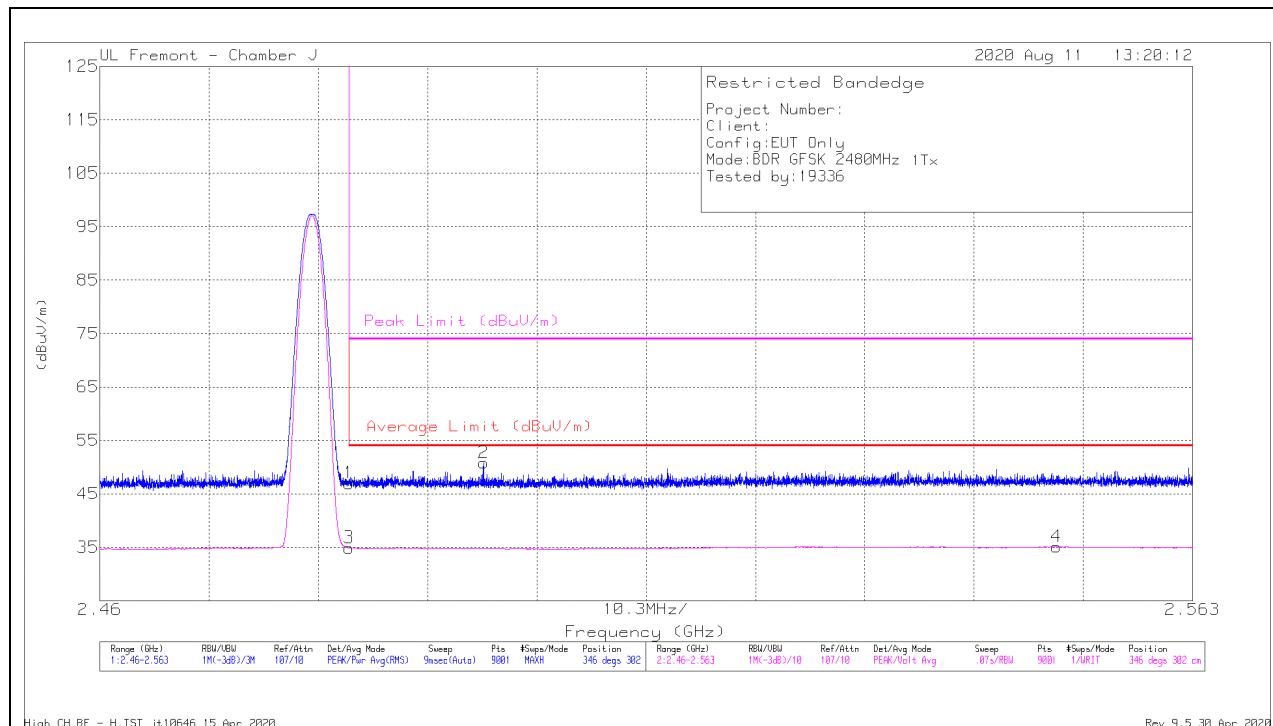
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



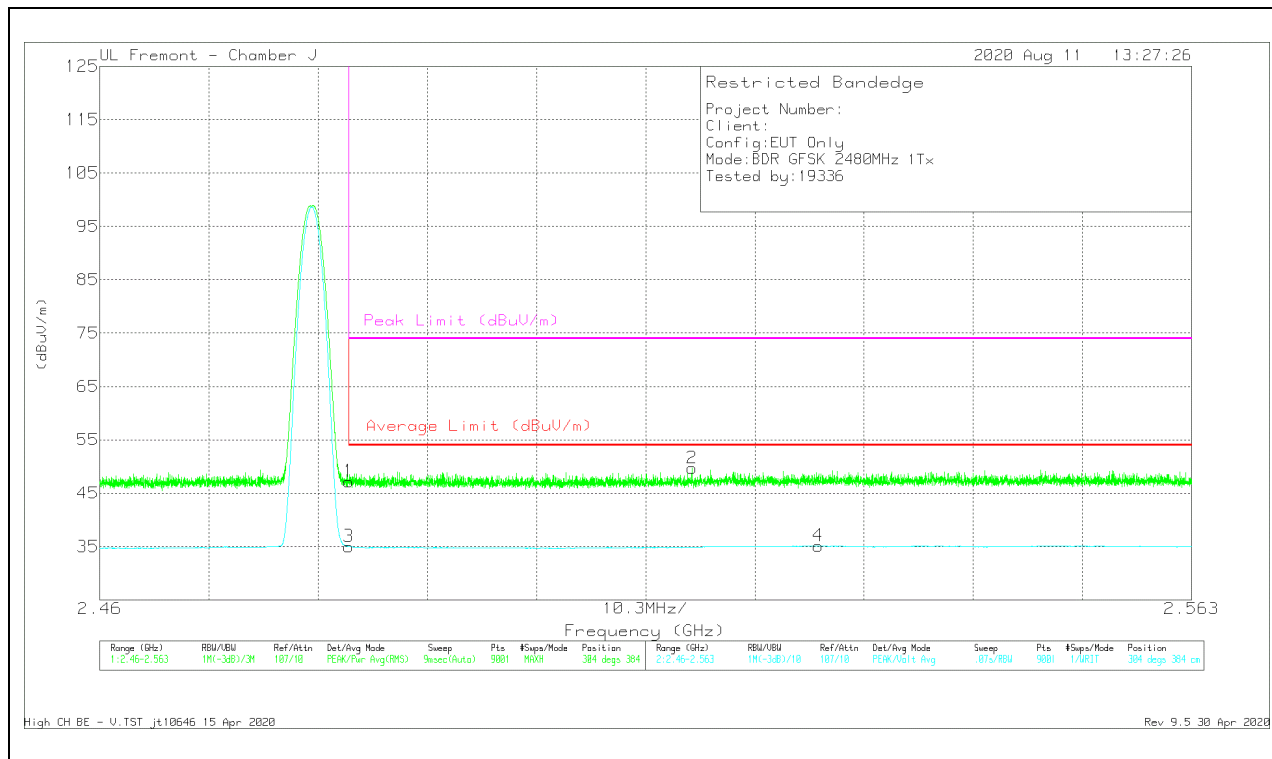
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.98	Pk	29.5	-25.5	46.98	-	-	74	-27.02	346	302	H
2	* 2.49617	46.68	Pk	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

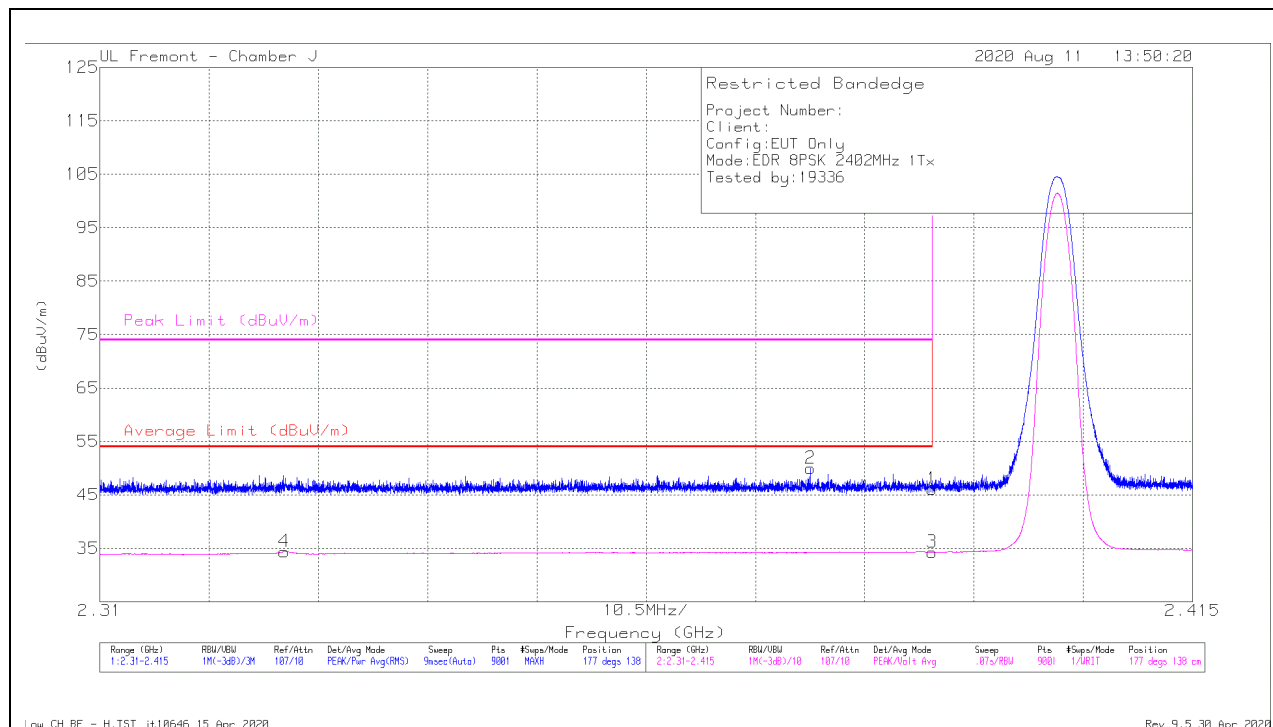
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.4. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



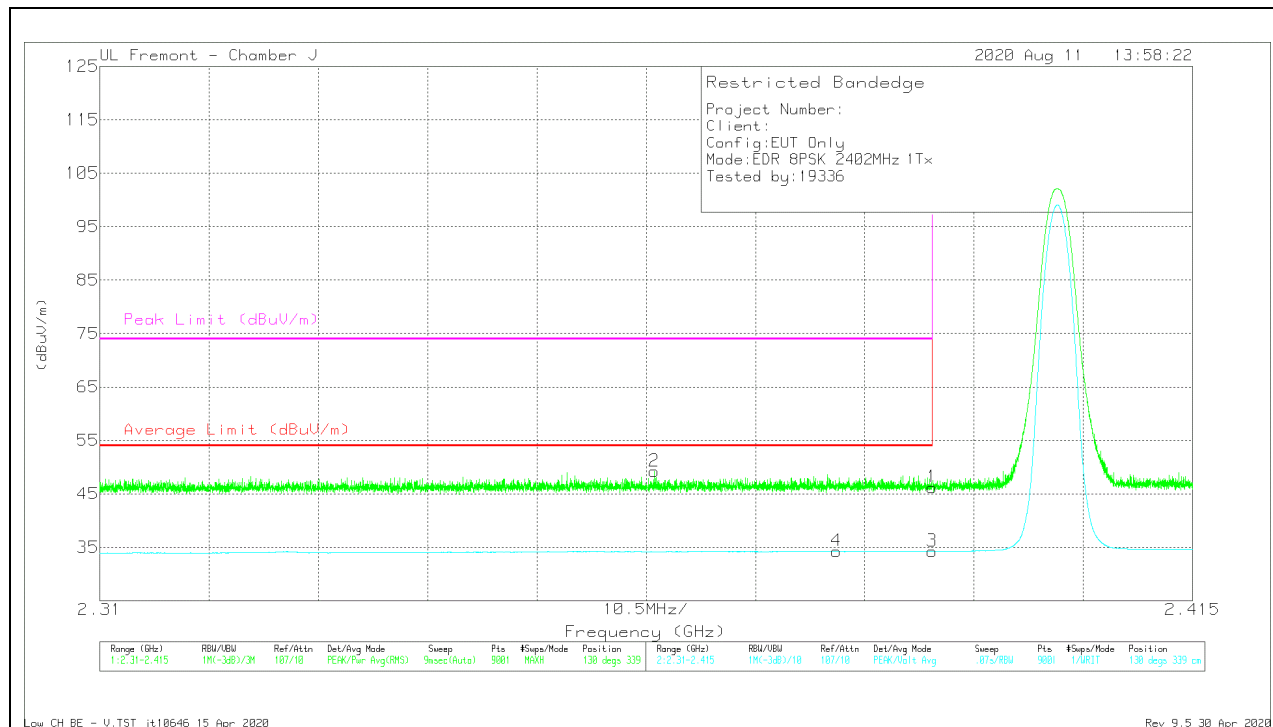
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	42.62	Pk	29	-25.5	46.12	-	-	74	-27.88	177	138	H
2	* 2.37828	46.46	Pk	29	-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

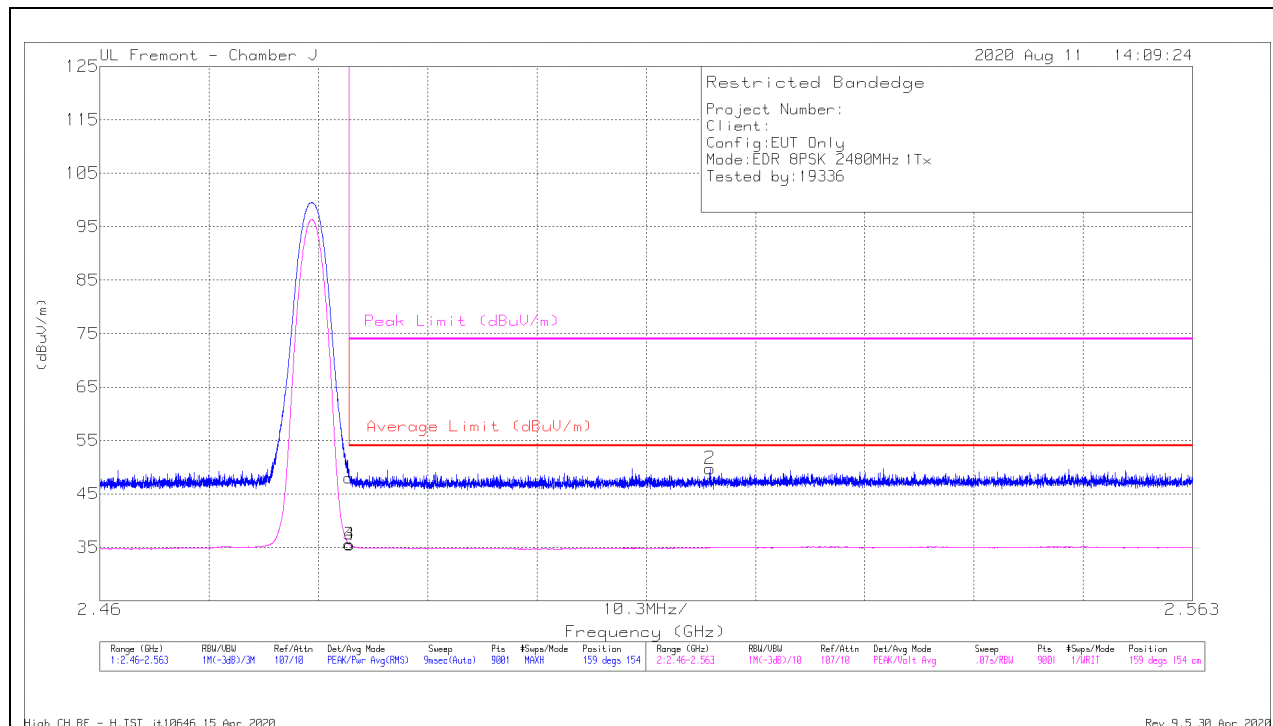
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



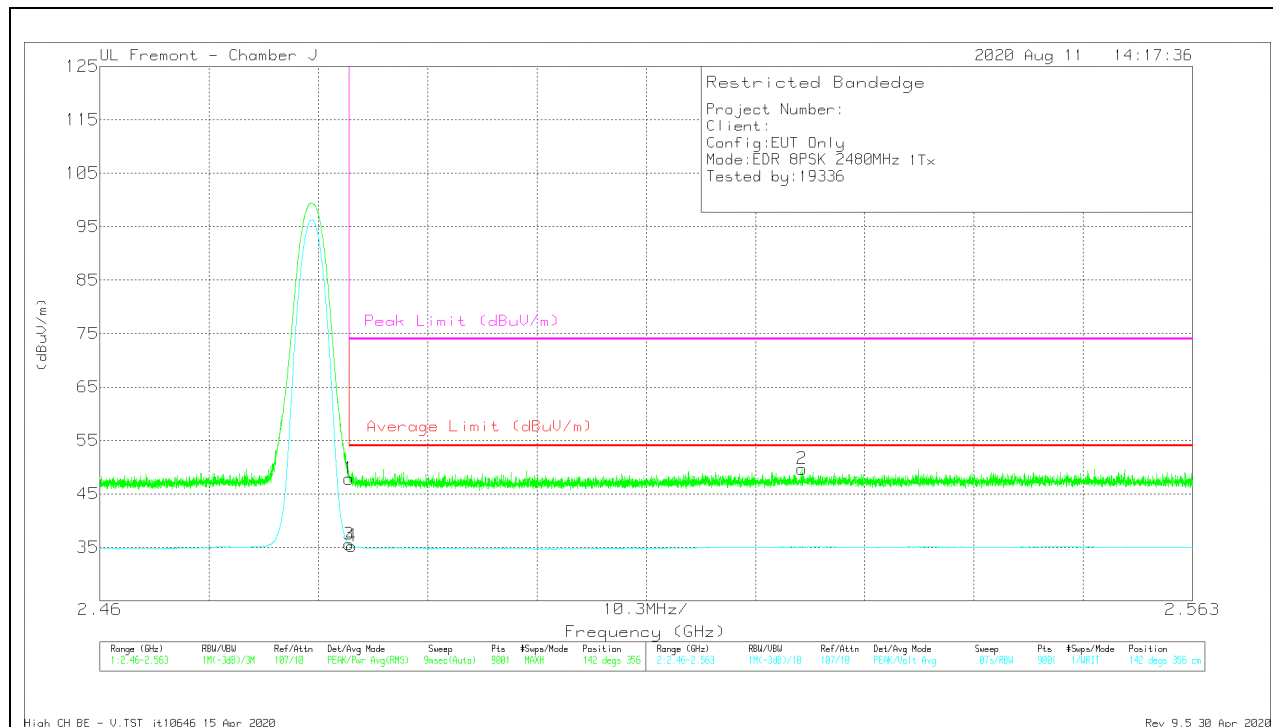
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44.03	Pk	29.5	-25.5	48.03	-	-	74	-25.97	159	154	H
2	2.51751	45.34	Pk	29.8	-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/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	43.84	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

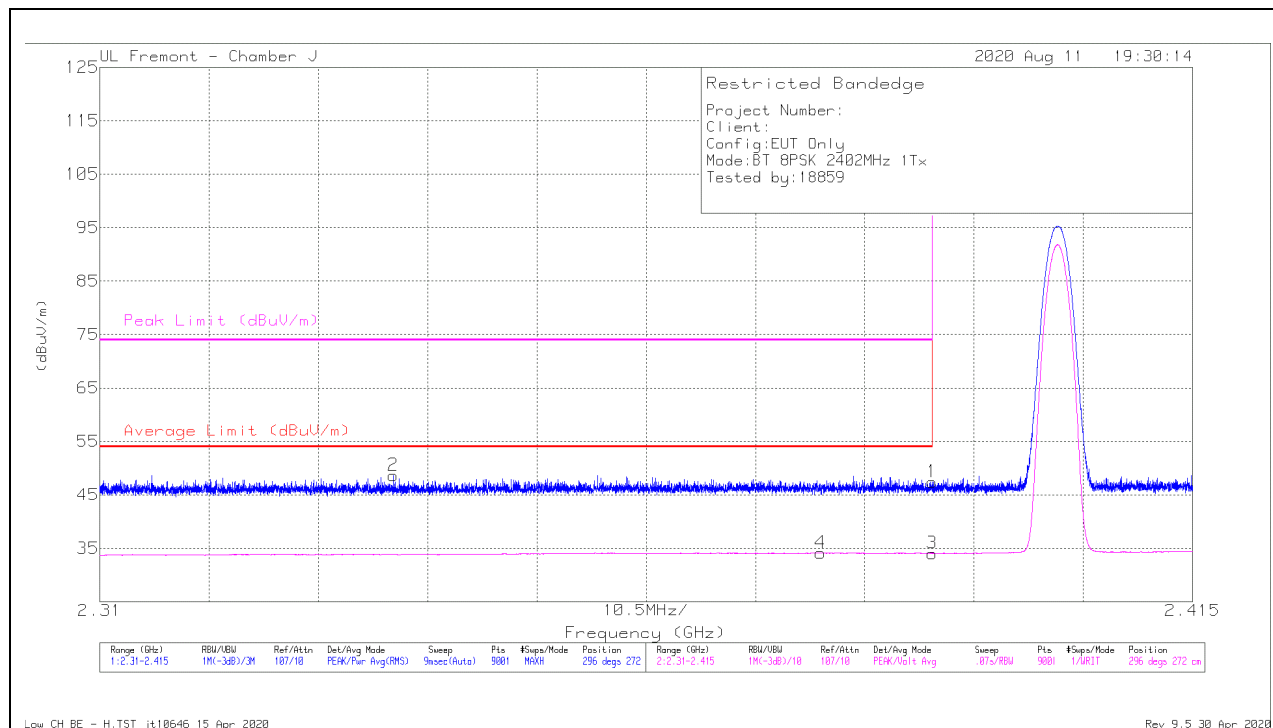
Pk - Peak detector

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



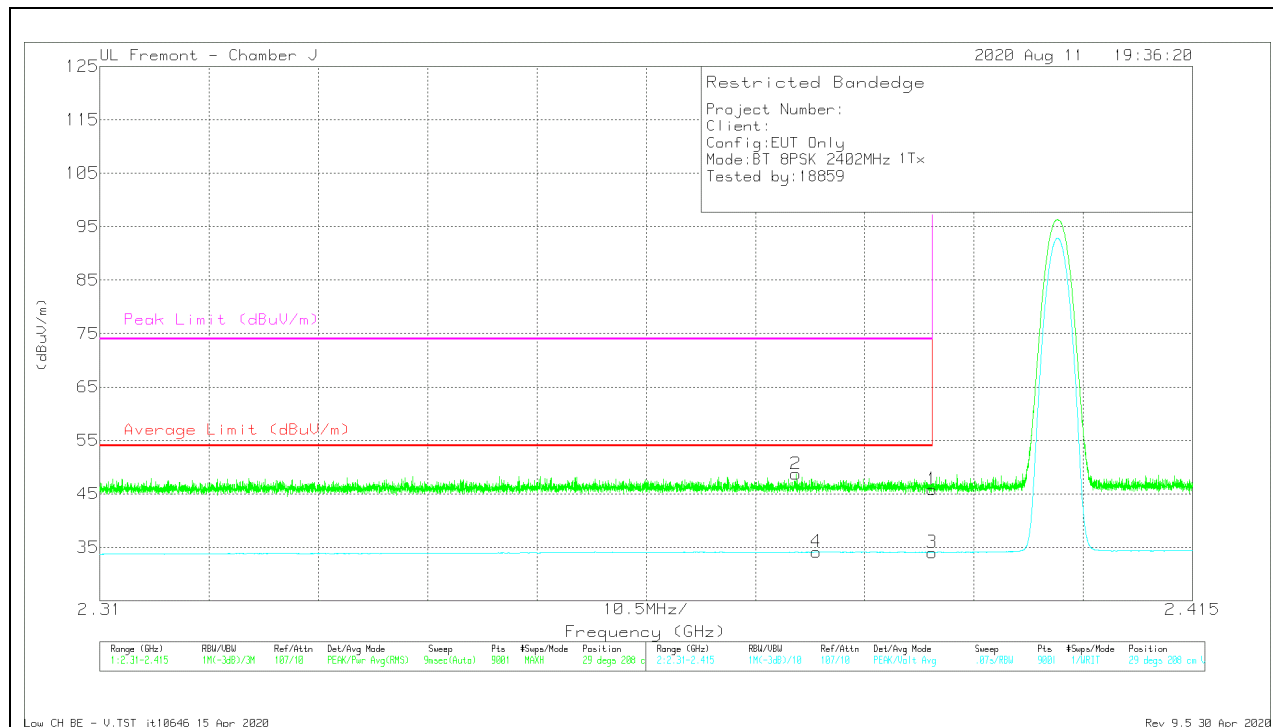
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.93	Pk	29	-25.5	47.43	-	-	74	-26.57	296	272	H
2	* 2.33819	45.36	Pk	28.9	-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

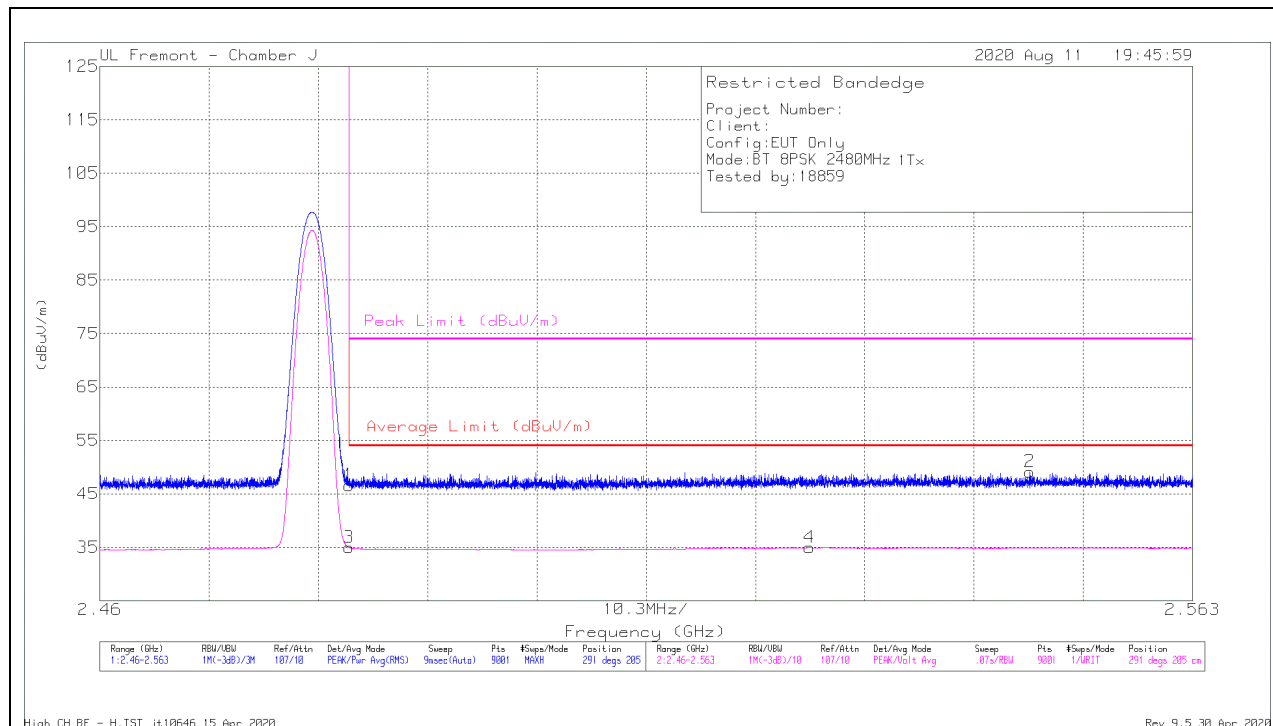
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



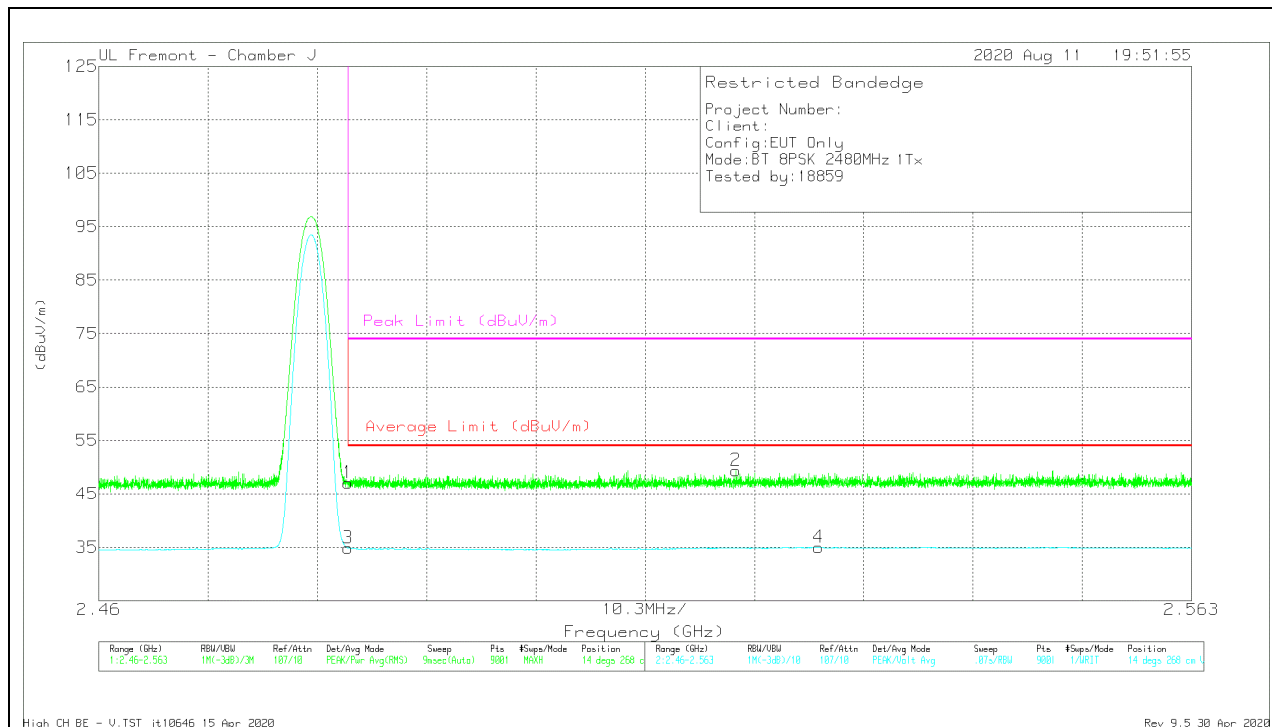
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.61	Pk	29.5	-25.5	46.61	-	-	74	-27.39	291	205	H
2	2.54767	44.63	Pk	29.9	-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

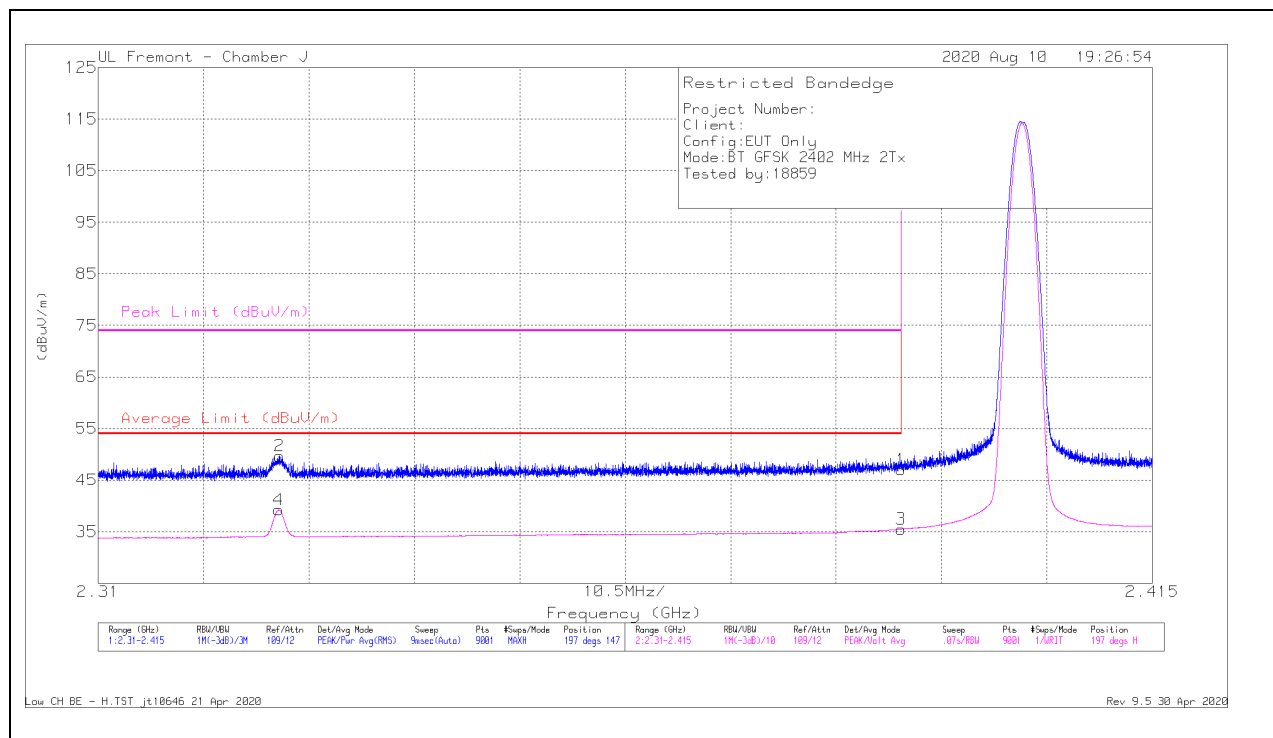
Pk - Peak detector

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



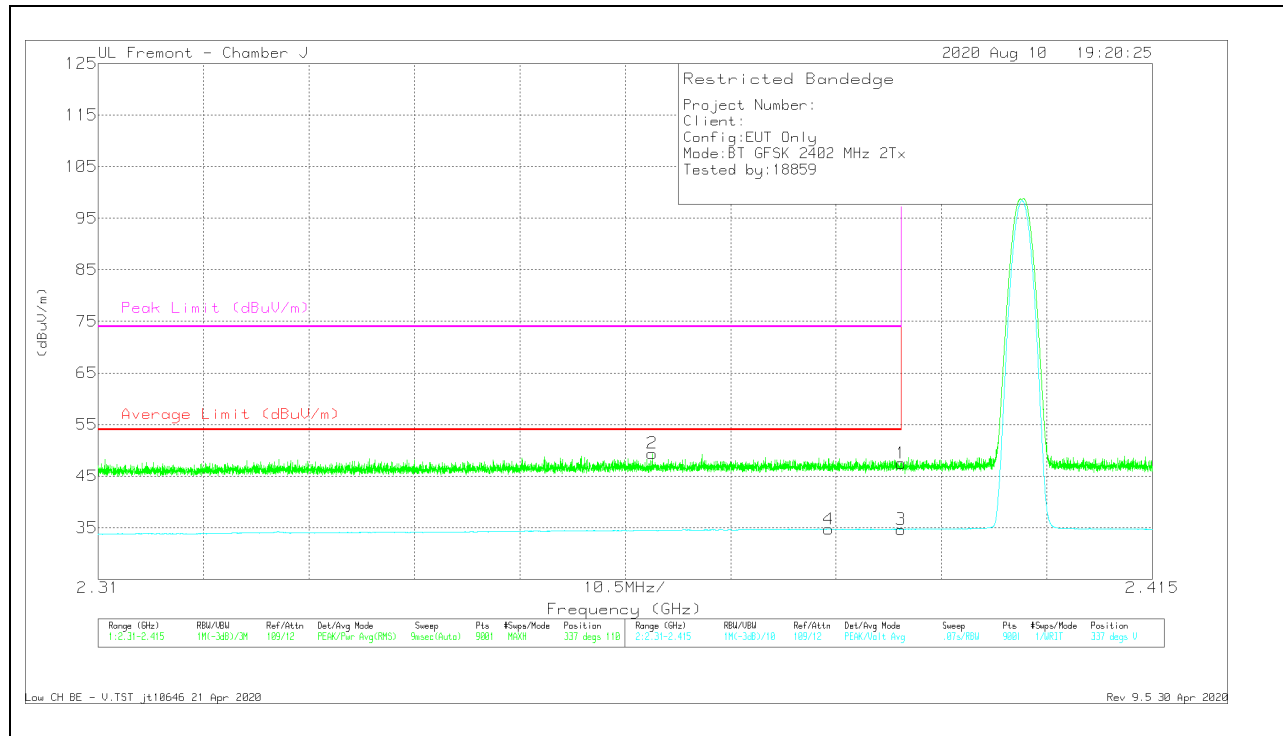
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.7	Pk	29	-14.7	47	-	-	74	-27	197	147	H
2	* 2.32808	35.67	PK	28.9	-14.9	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

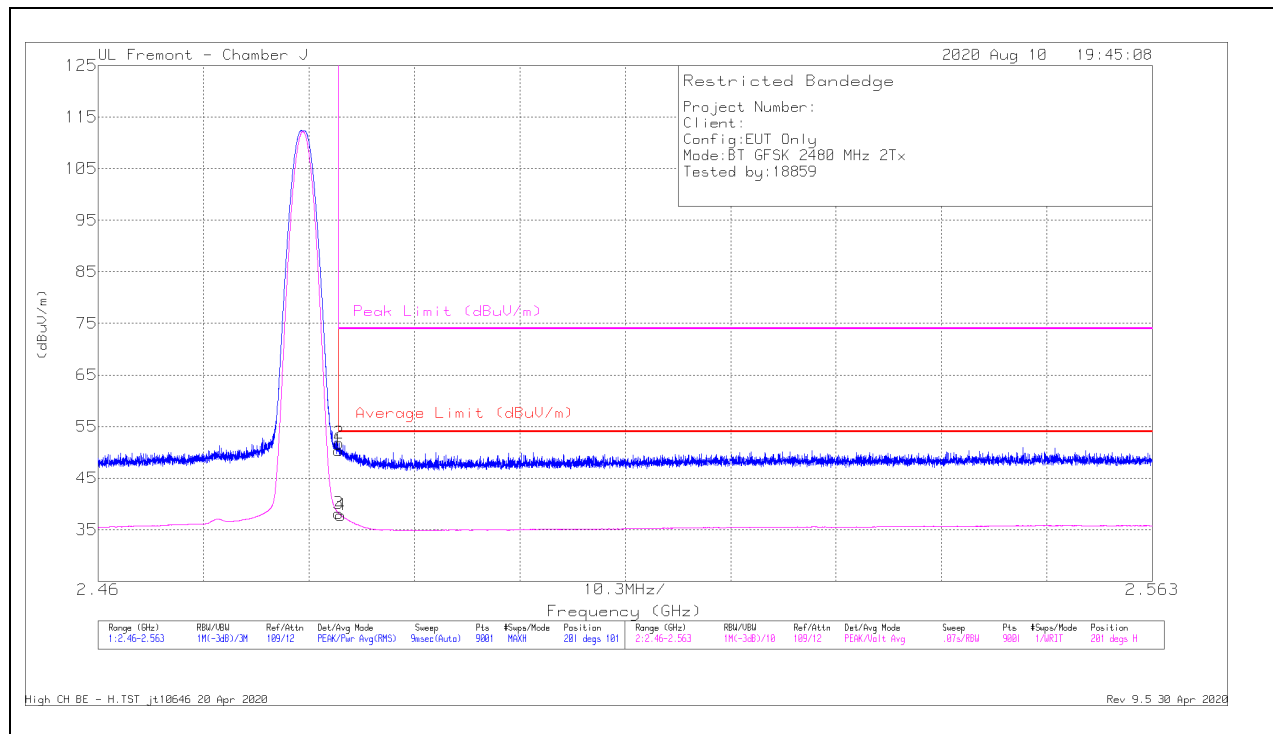
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



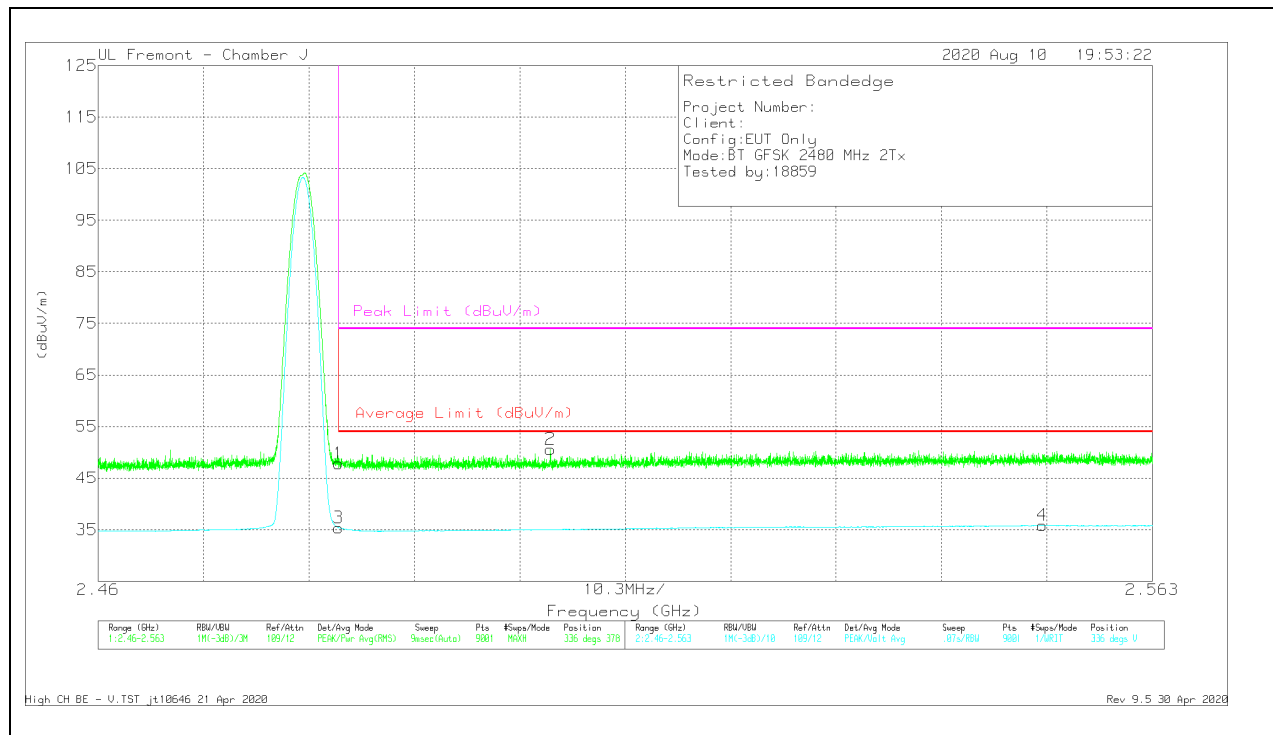
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	35.44	Pk	29.5	-14.6	50.34	-	-	74	-23.66	201	101	H
2	* 2.48356	36.92	Pk	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

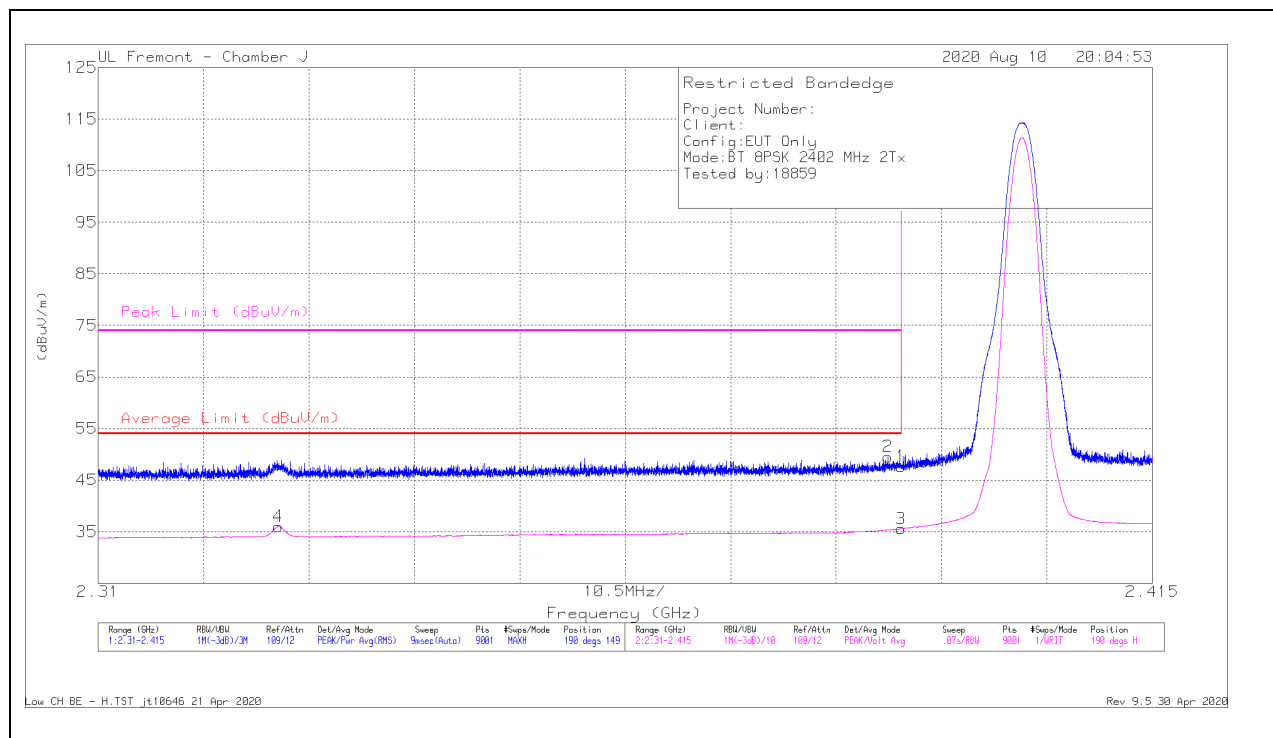
Pk - Peak detector

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



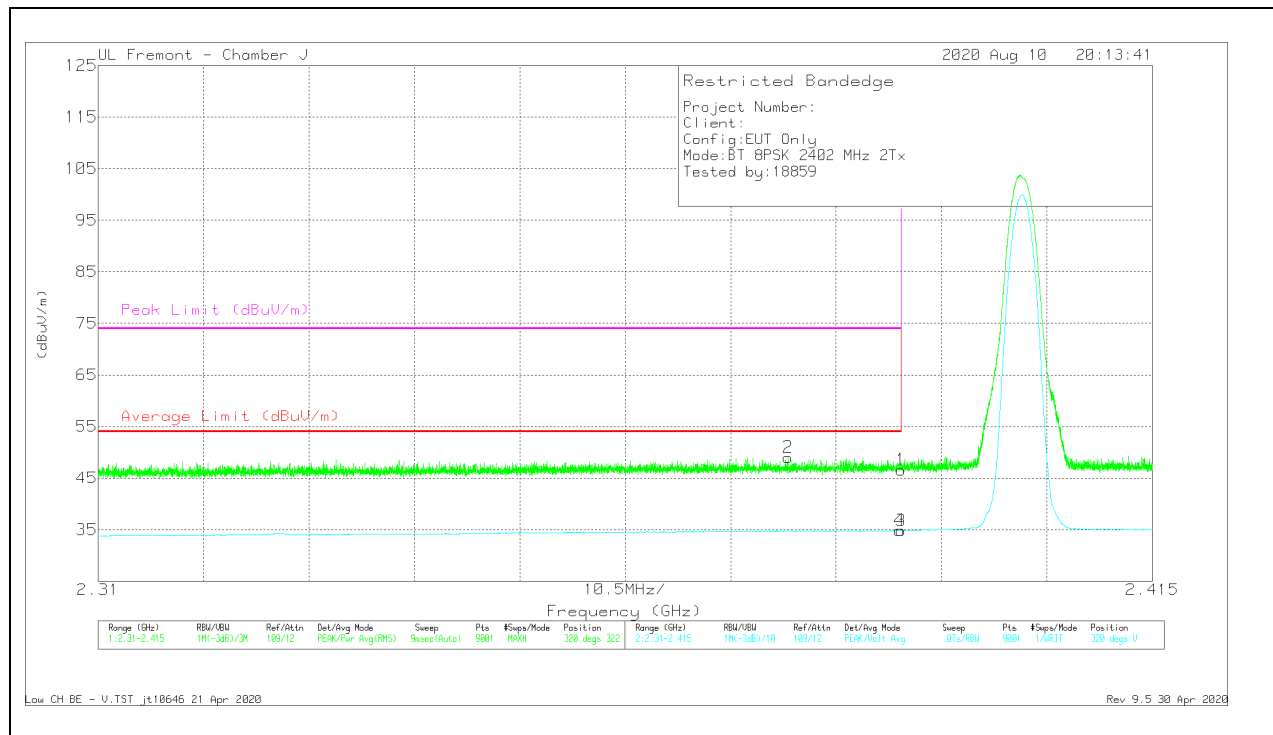
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/CbI/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	33.35	Pk	29	-14.7	47.65	-	-	74	-26.35	190	149	H
2	* 2.38865	35.23	Pk	29	-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

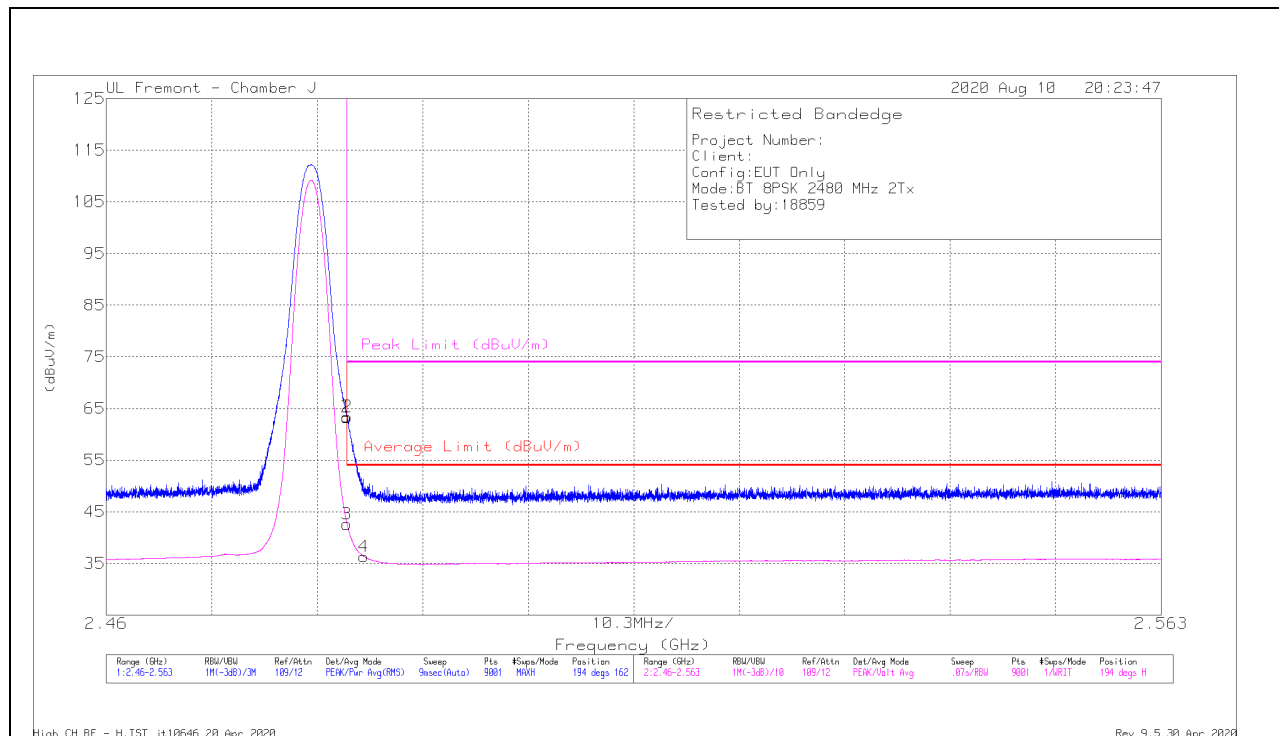
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



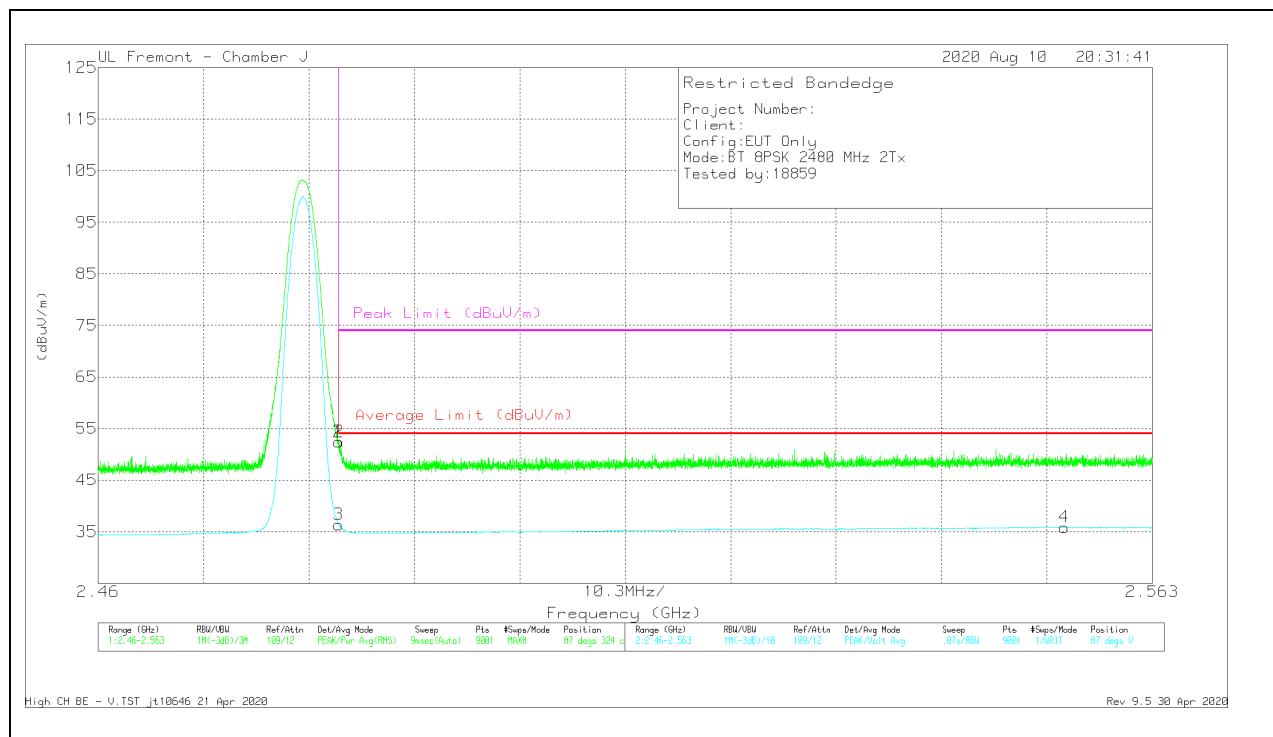
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	48.36	Pk	29.5	-14.6	63.26	-	-	74	-10.74	194	162	H
2	* 2.48352	48.47	Pk	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

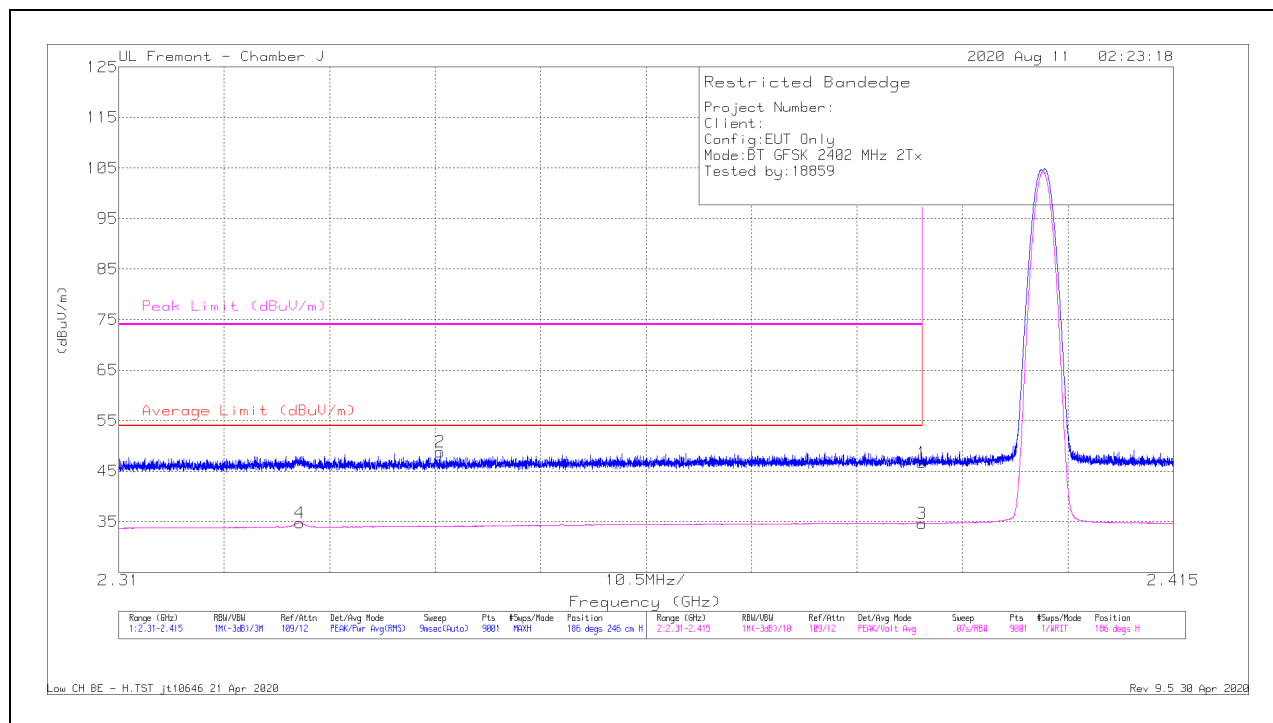
Pk - Peak detector

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



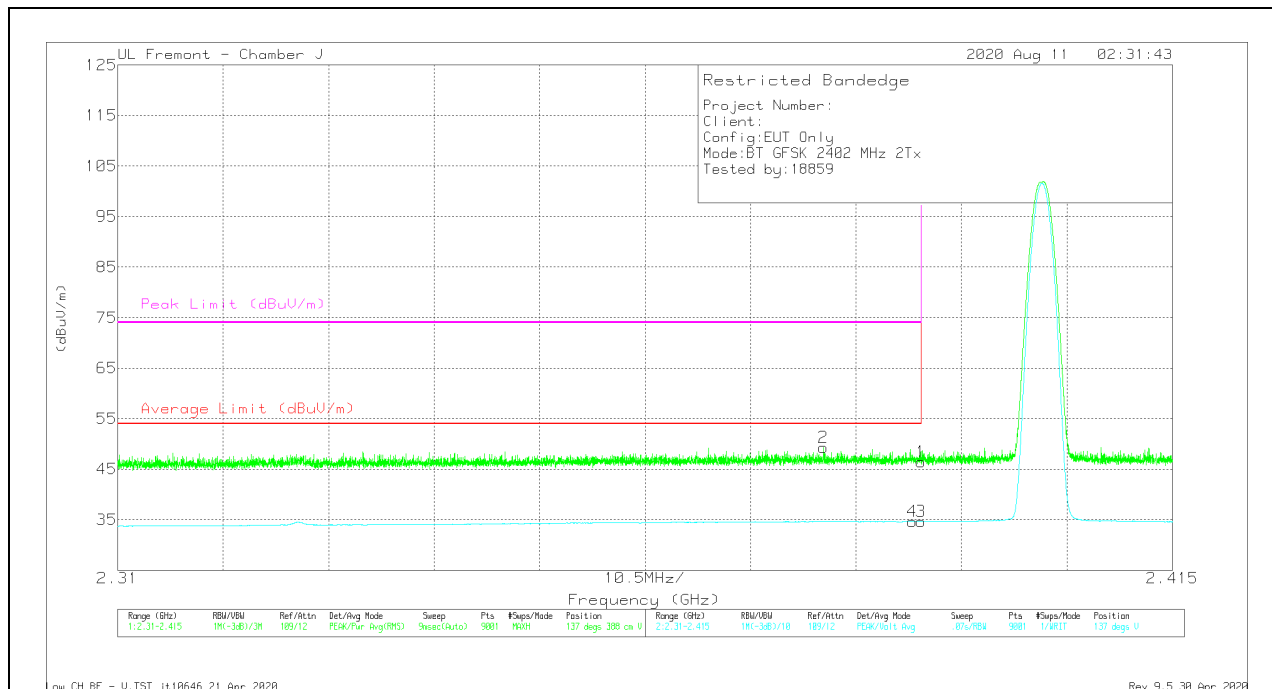
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.43	Pk	29	-14.7	46.73	-	-	74	-27.27	186	246	H
2	* 2.34199	34.85	Pk	28.9	-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

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	137	388	V
2	* 2.38025	35	Pk	29	-14.7	49.3	-	-	74	-24.7	137	388	V
3	* 2.38999	20.35	VA1T	29	-14.7	34.65	54	-19.35	-	-	137	388	V
4	* 2.38909	20.4	VA1T	29	-14.7	34.7	54	-19.3	-	-	137	388	V

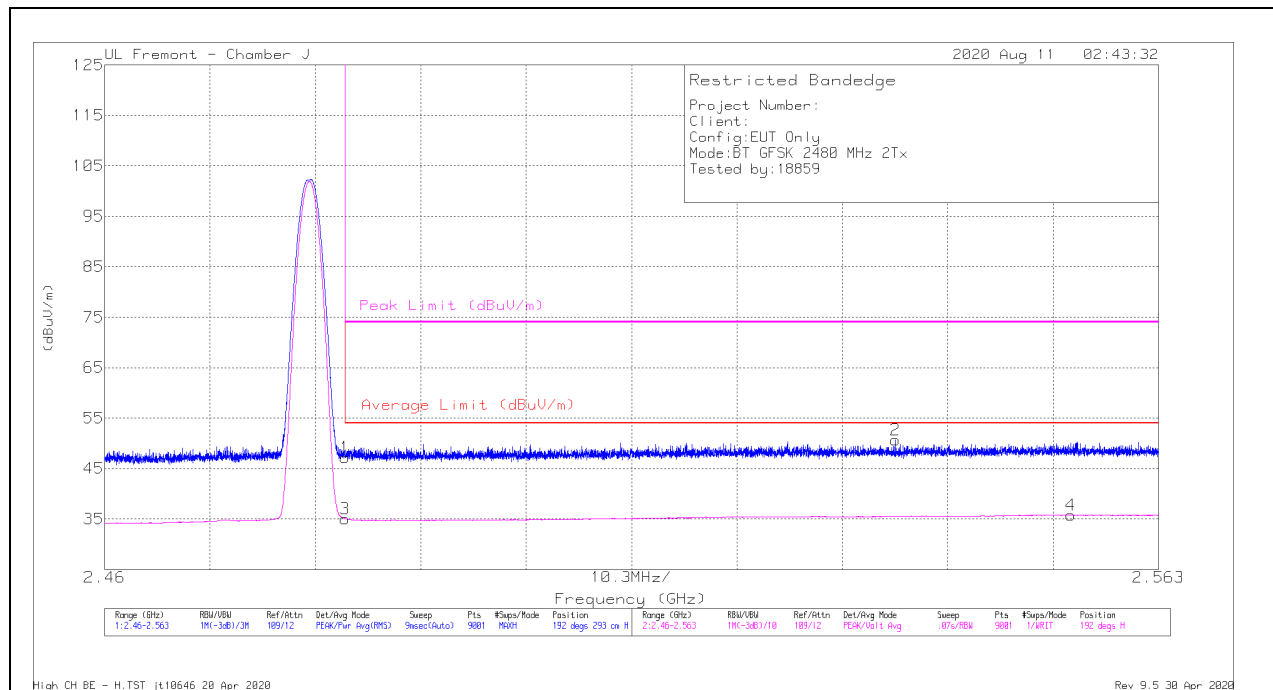
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



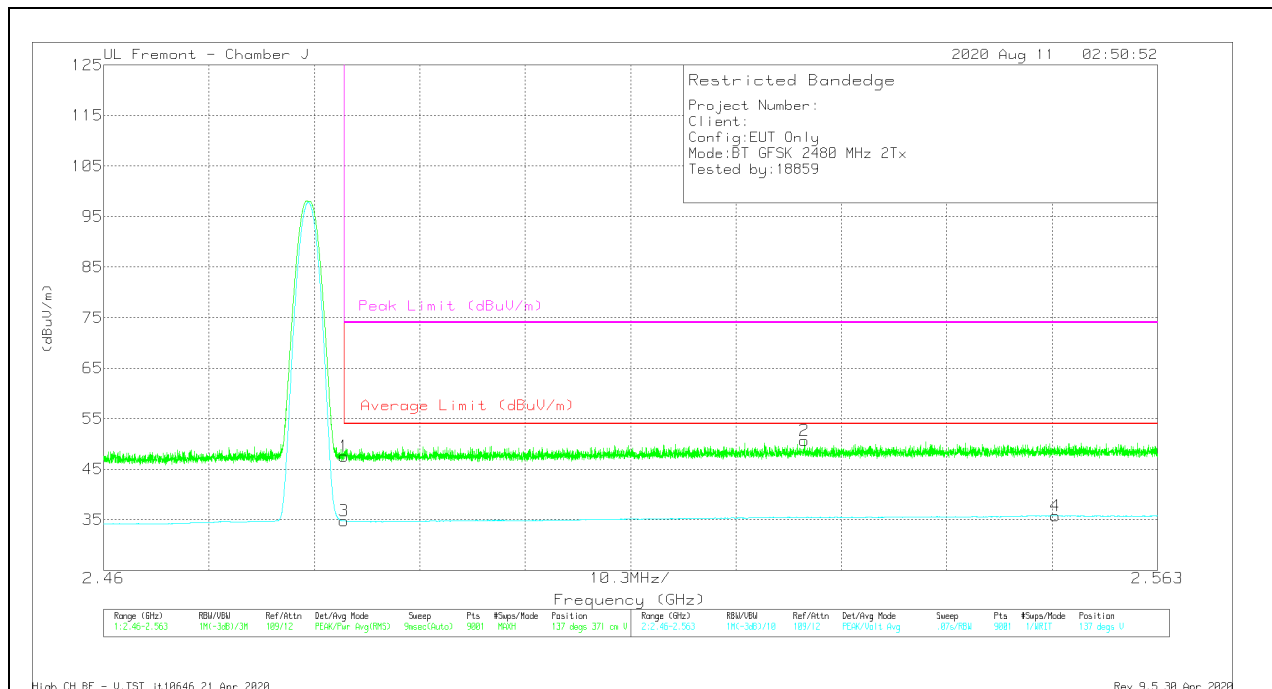
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	32.26	Pk	29.5	-14.6	47.16	-	-	74	-26.84	192	293	H
2	2.53732	35.4	Pk	29.8	-14.5	50.7	-	-	74	-23.3	192	293	H
3	* 2.48351	20.13	VA1T	29.5	-14.6	35.03	54	-18.97	-	-	192	293	H
4	2.55446	20.28	VA1T	29.9	-14.4	35.78	54	-18.22	-	-	192	293	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	32.7	Pk	29.5	-14.6	47.6	-	-	74	-26.4	137	371	V
2	2.52849	35.42	Pk	29.8	-14.5	50.72	-	-	74	-23.28	137	371	V
3	* 2.48351	19.83	VA1T	29.5	-14.6	34.73	54	-19.27	-	-	137	371	V
4	2.55301	20.28	VA1T	29.9	-14.4	35.78	54	-18.22	-	-	137	371	V

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

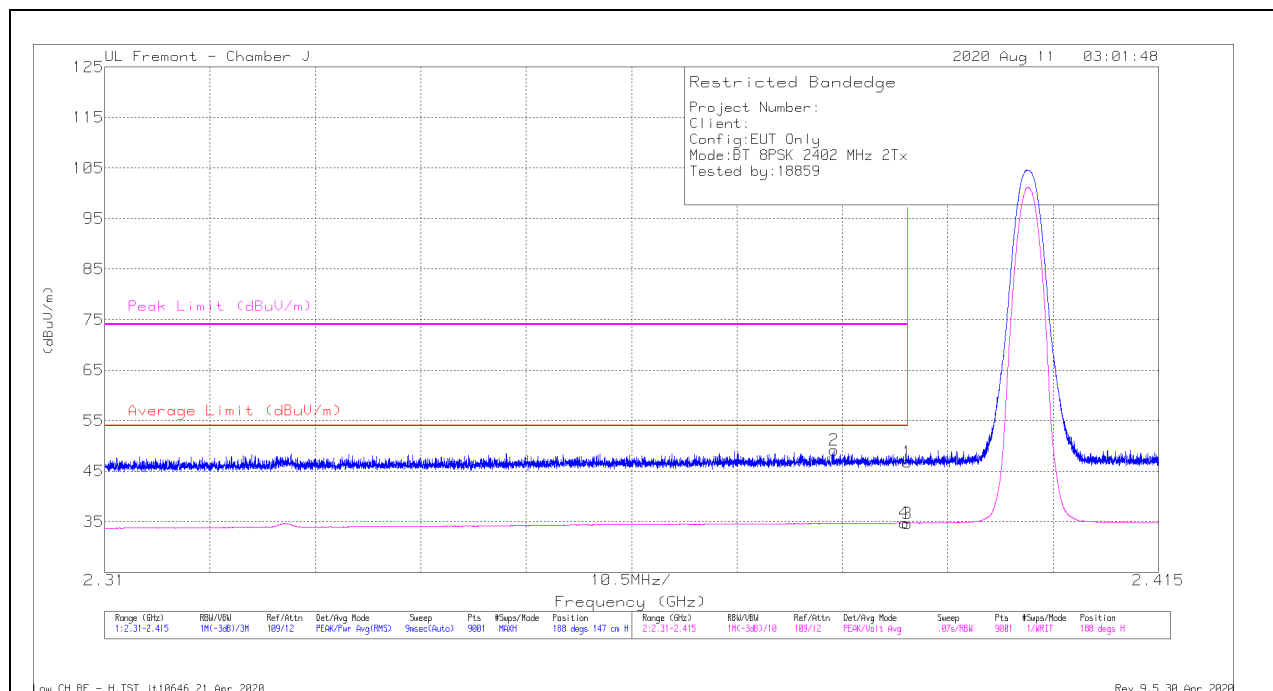
Pk - Peak detector

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

10.1.8. LOW POWER BASIC DATA RATE TXBF 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



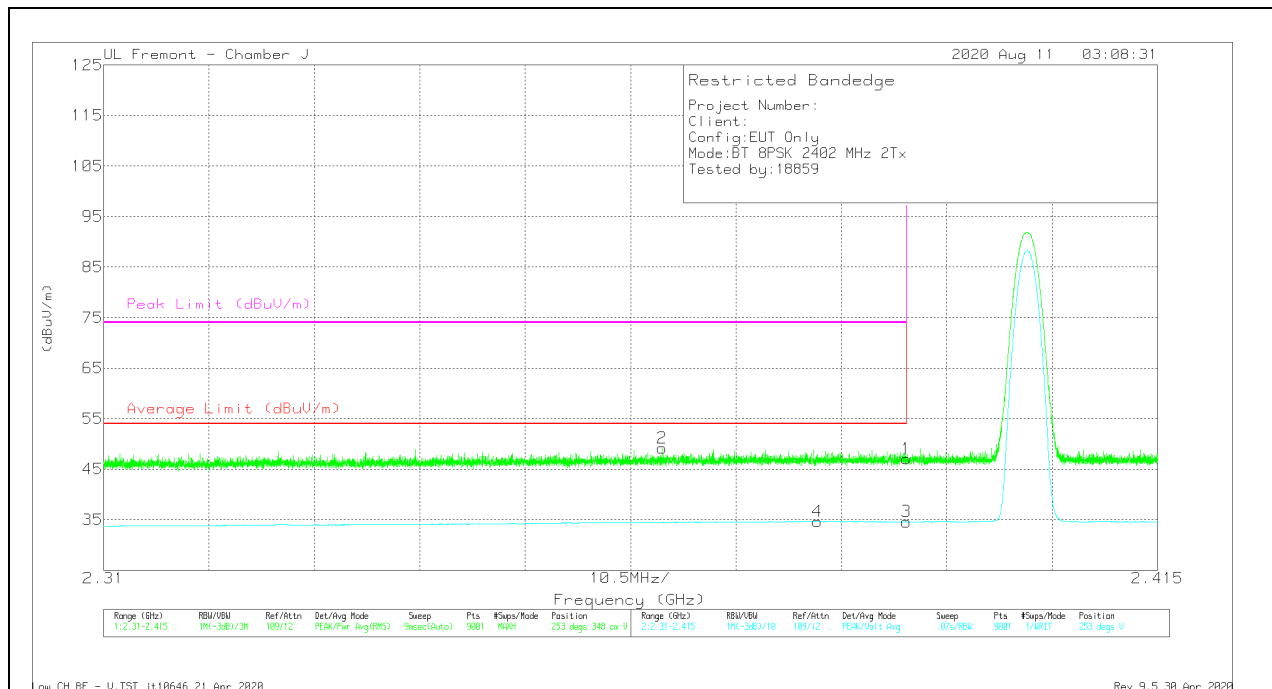
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	32.5	Pk	29	-14.7	46.8	-	-	74	-27.2	188	147	H
2	* 2.38265	34.87	Pk	29	-14.7	49.17	-	-	74	-24.83	188	147	H
3	* 2.38999	20.4	VA1T	29	-14.7	34.7	54	-19.3	-	-	188	147	H
4	* 2.38966	20.46	VA1T	29	-14.7	34.76	54	-19.24	-	-	188	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/Fitri/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	* 2.38999	32.78	Pk	29	-14.7	47.08	-	-	74	-26.92	253	348	V
2	* 2.36565	35	Pk	29	-14.8	49.2	-	-	74	-24.8	253	348	V
3	* 2.38999	20.29	VA1T	29	-14.7	34.59	54	-19.41	-	-	253	348	V
4	* 2.3811	20.37	VA1T	29	-14.7	34.67	54	-19.33	-	-	253	348	V

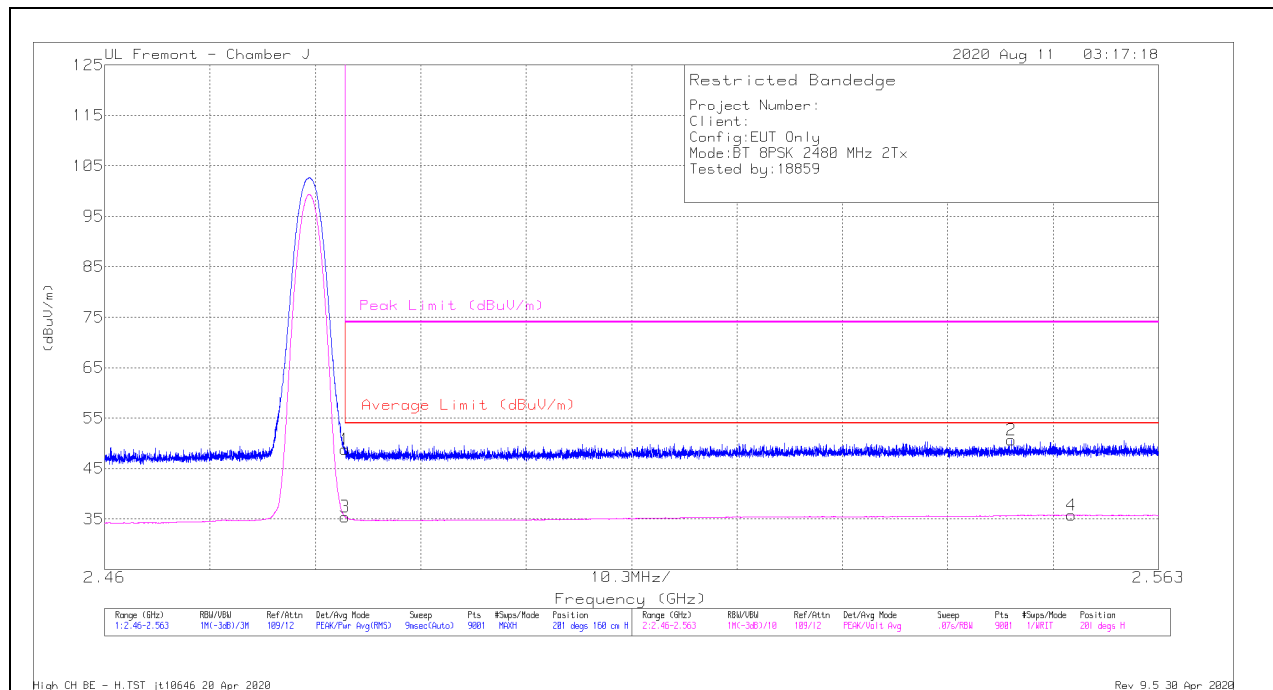
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



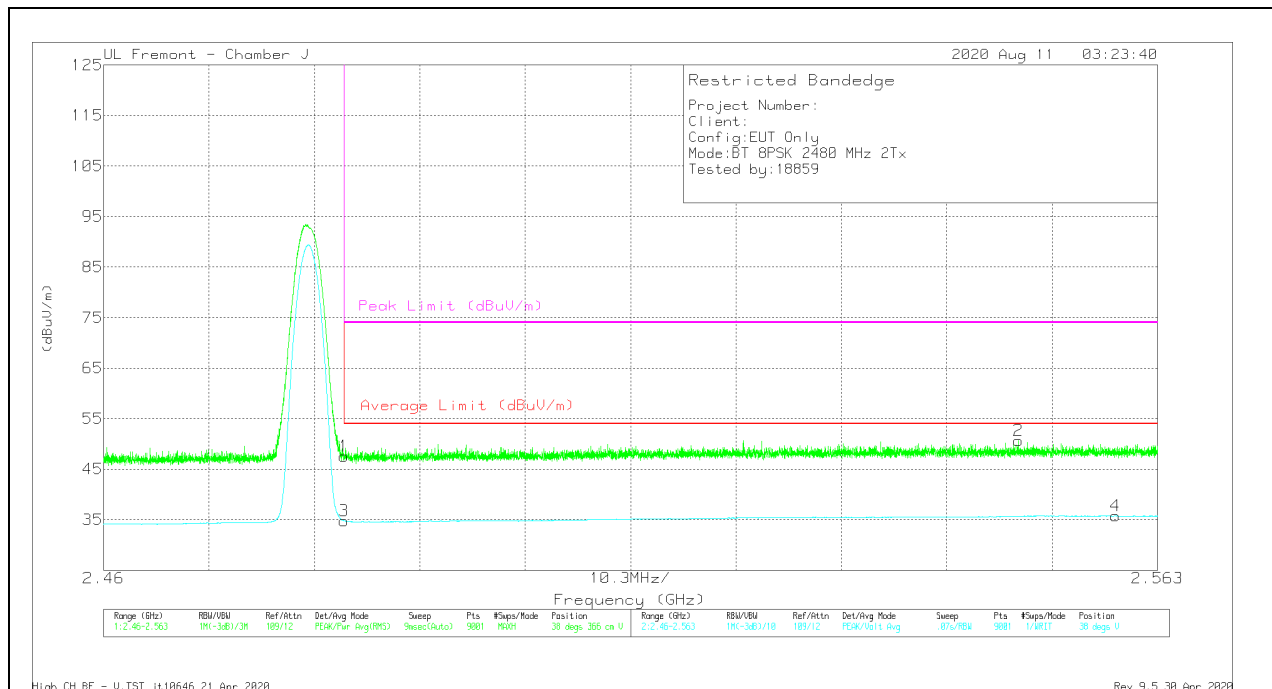
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	33.89	Pk	29.5	-14.6	48.79	-	-	74	-25.21	201	160	H
2	2.5486	35.27	Pk	29.9	-14.5	50.67	-	-	74	-23.33	201	160	H
3	* 2.48351	20.55	VA1T	29.5	-14.6	35.45	54	-18.55	-	-	201	160	H
4	2.55448	20.3	VA1T	29.9	-14.4	35.8	54	-18.2	-	-	201	160	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	32.64	Pk	29.5	-14.6	47.54	-	-	74	-26.46	38	366	V
2	2.5494	35.27	Pk	29.9	-14.5	50.67	-	-	74	-23.33	38	366	V
3	* 2.48351	19.87	VA1T	29.5	-14.6	34.77	54	-19.23	-	-	38	366	V
4	2.55888	20.37	VA1T	29.8	-14.4	35.77	54	-18.23	-	-	38	366	V

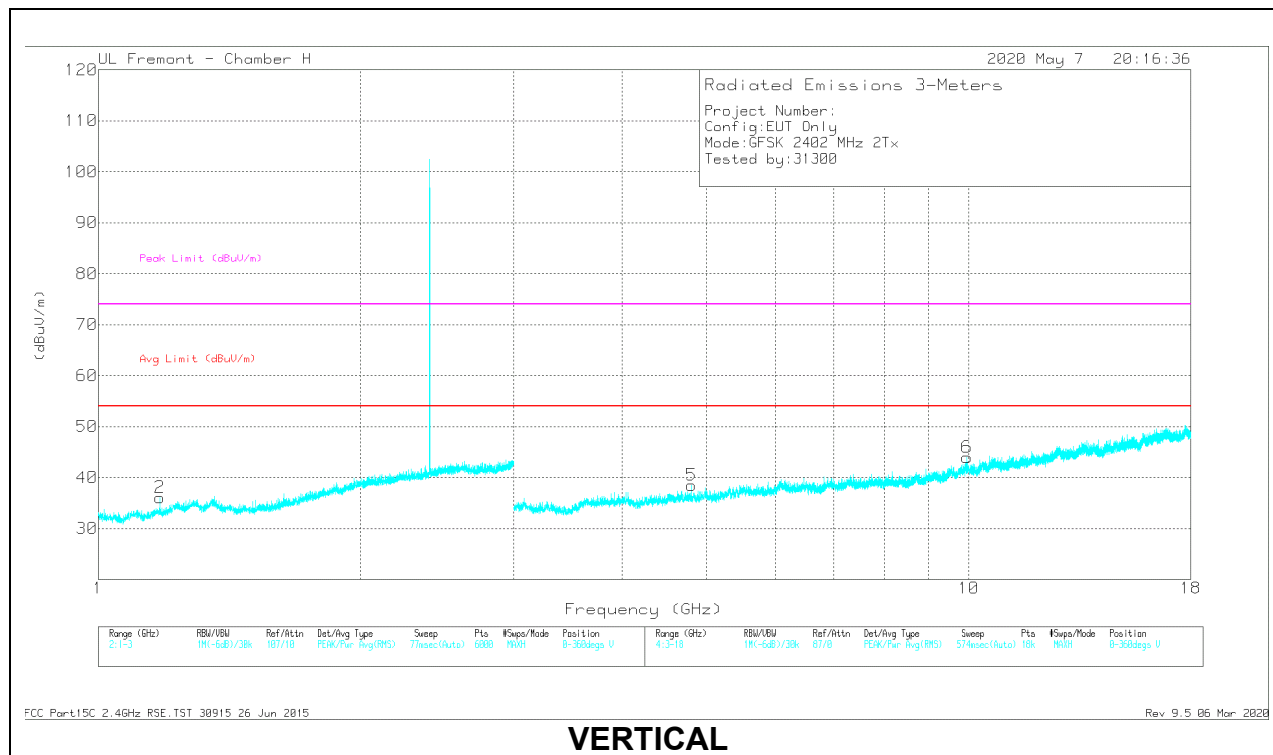
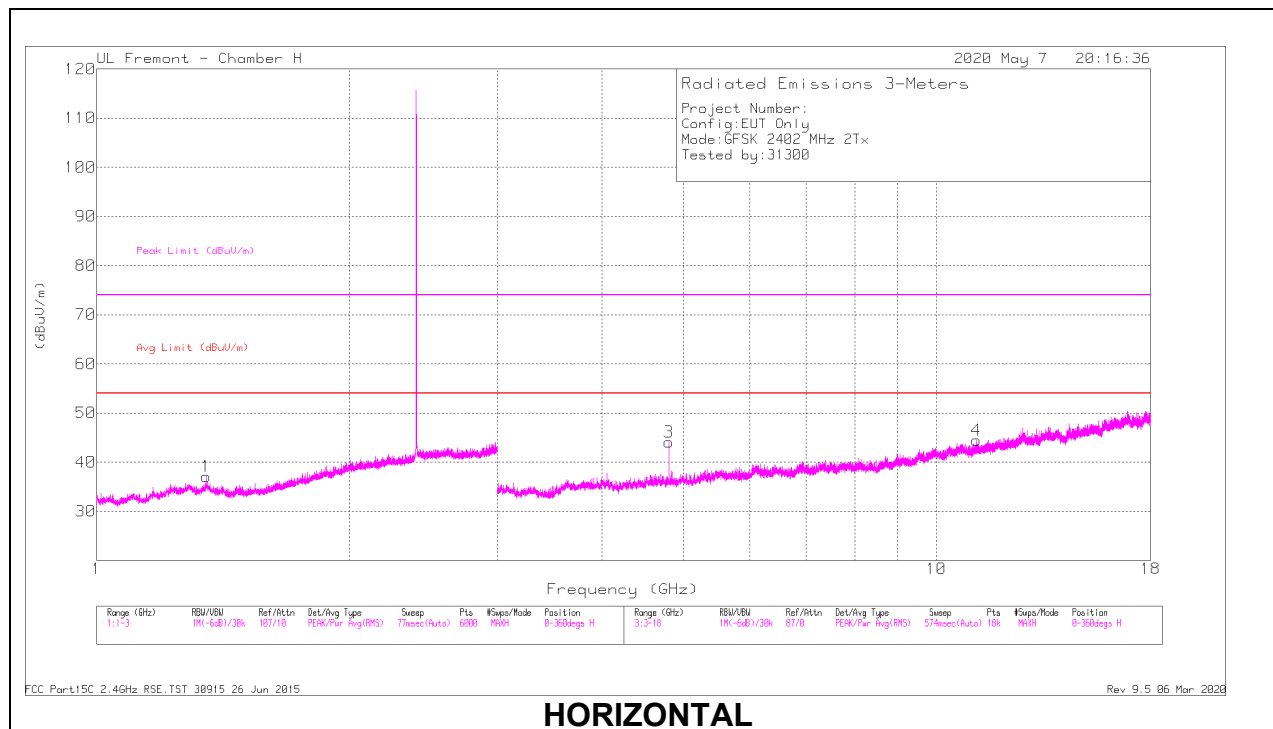
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

10.1.9. HIGH POWER HARMONICS AND SPURIOUS TXBF GFSK MODULATION

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Radiated Emissions

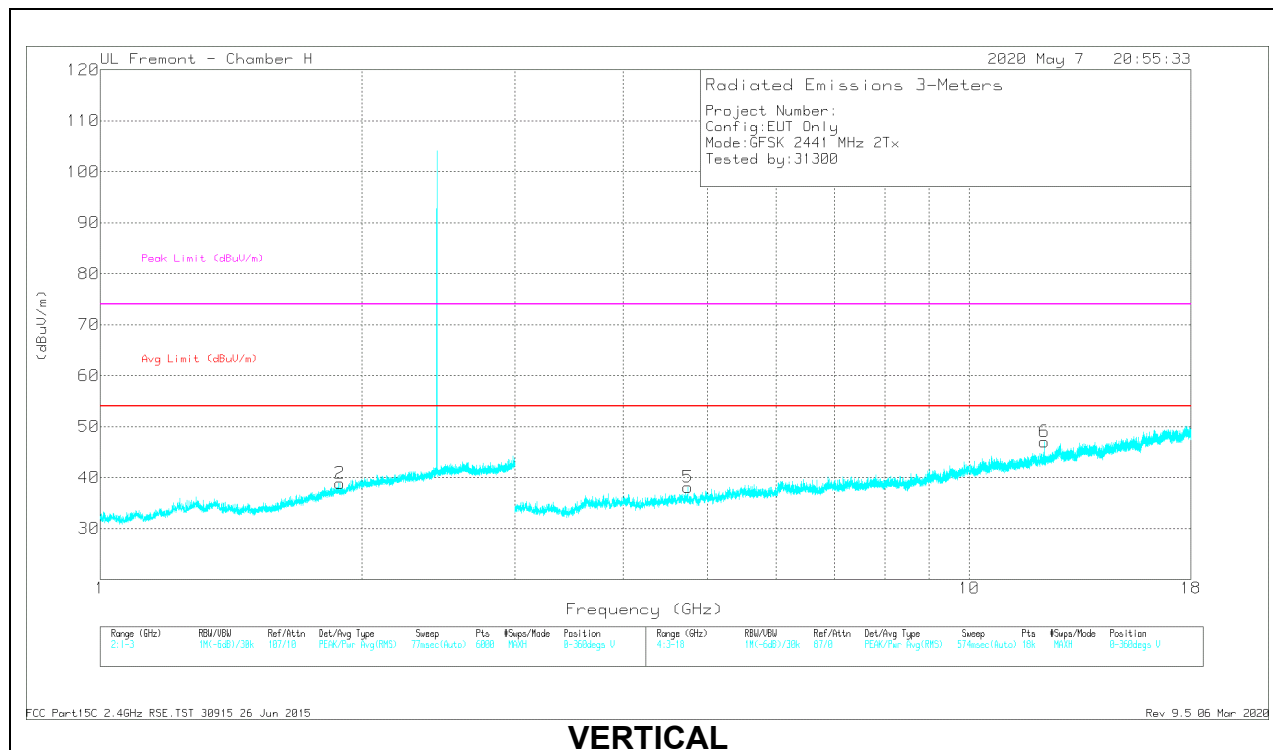
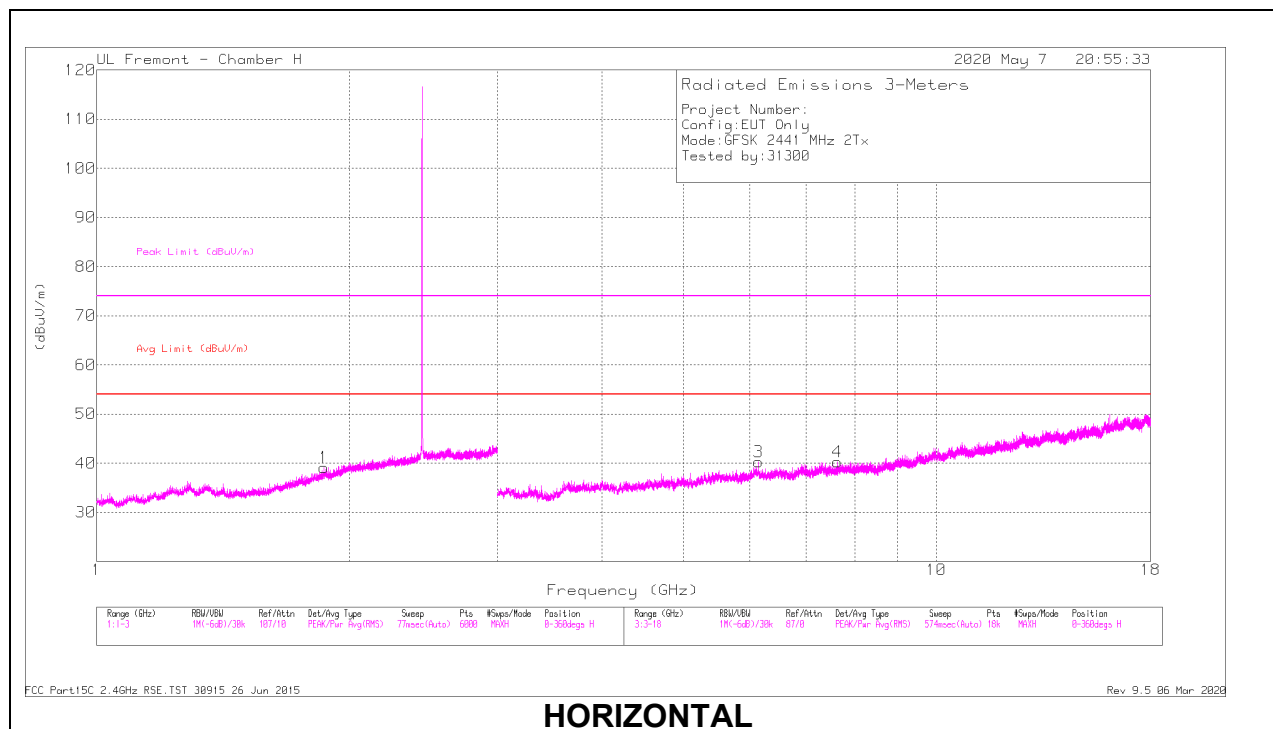
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.35131	34.55	PKFH	29	-22.7	40.85	-	-	74	-33.15	309	101	H
	* 1.35107	22.67	VA1T	29	-22.8	28.87	54	-25.13	-	-	309	101	H
2	* 1.17743	33.83	PKFH	28.1	-23.1	38.83	-	-	74	-35.17	26	200	V
	* 1.17519	22.18	VA1T	28	-23.1	27.08	54	-26.92	-	-	26	200	V
3	* 4.80076	45.58	PKFH	34.4	-31.5	48.48	-	-	74	-25.52	204	130	H
	* 4.80282	35.96	VA1T	34.4	-31.5	38.86	54	-15.14	-	-	204	130	H
4	* 11.16282	34.01	PKFH	37.8	-23.3	48.51	-	-	74	-25.49	118	200	H
	* 11.16528	22.4	VA1T	37.8	-23.4	36.8	54	-17.2	-	-	118	200	H
5	* 4.80091	45.29	PKFH	34.4	-31.5	48.19	-	-	74	-25.81	185	330	V
	* 4.80245	33.8	VA1T	34.4	-31.5	36.7	54	-17.3	-	-	185	330	V
6	9.95852	33.84	PKFH	36.9	-23.4	47.34	-	-	-	-	308	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

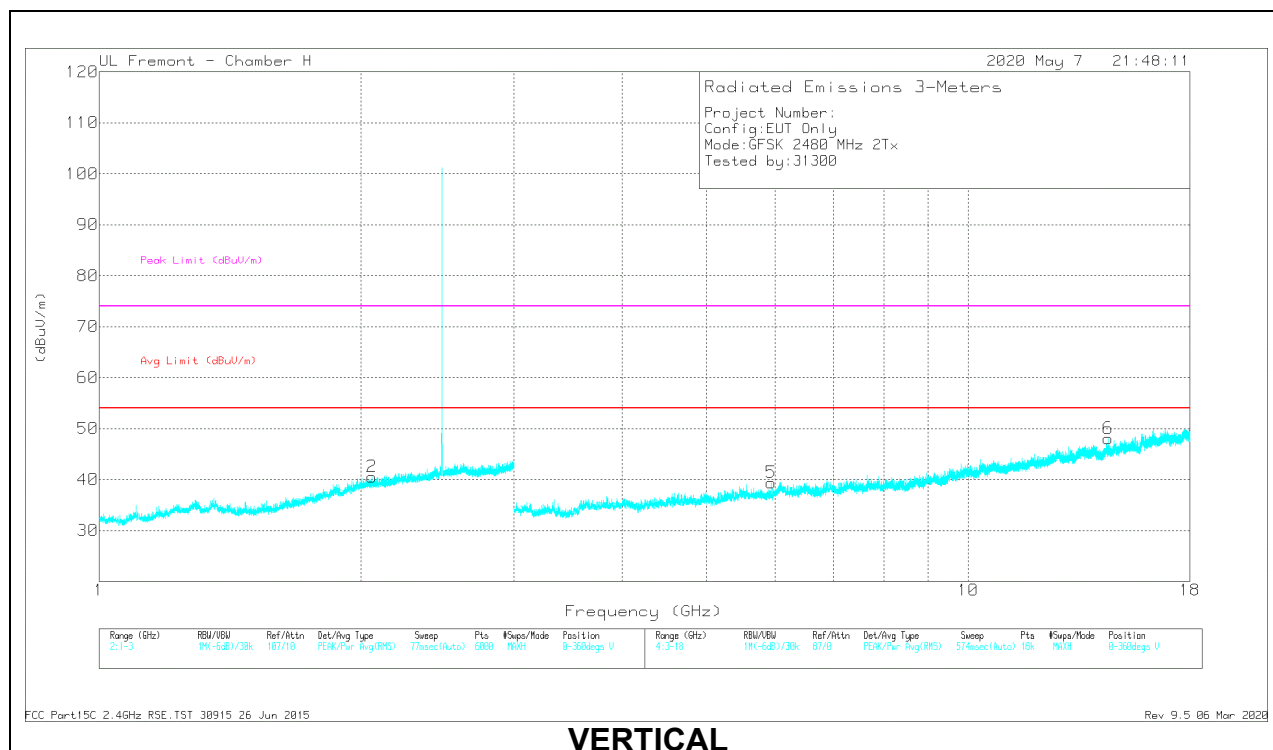
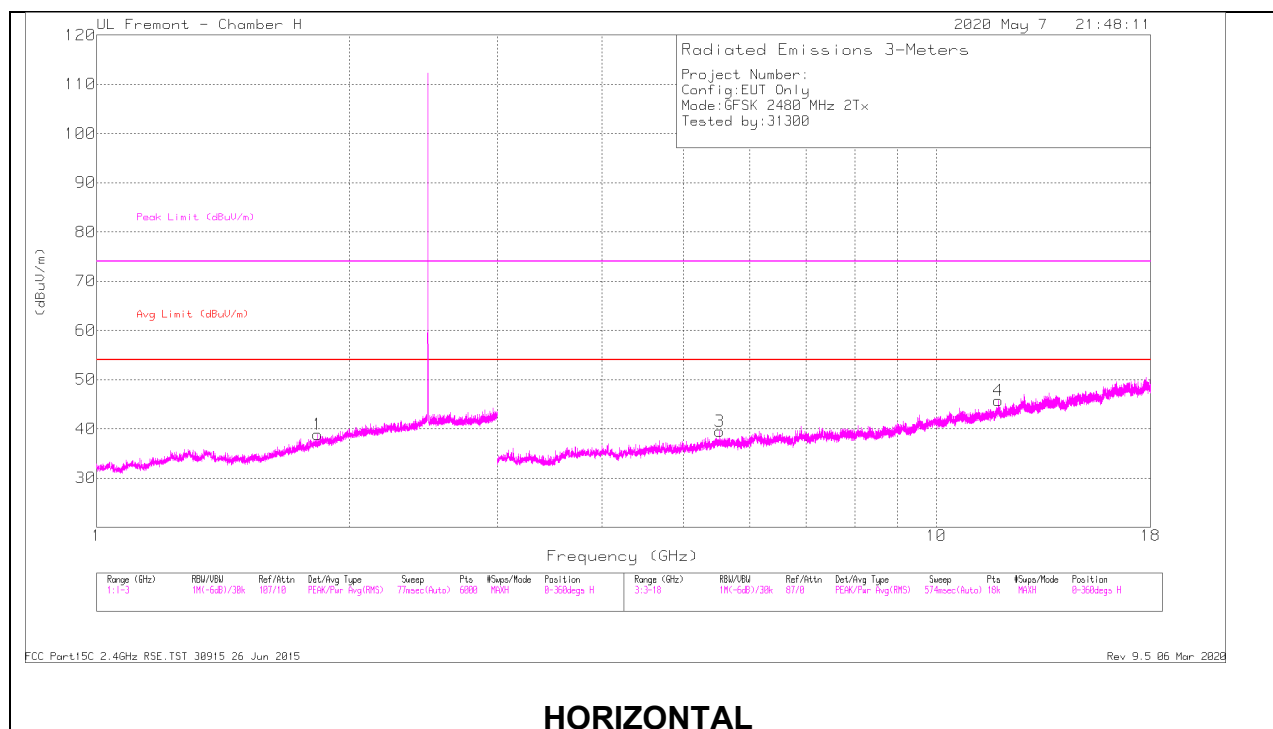
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 7.63235	36.42	PKFH	36.2	-27.9	44.72	-	-	74	-29.28	231	101	H
	* 7.6303	24.65	VA1T	36.2	-27.9	32.95	54	-21.05	-	-	231	101	H
5	* 4.74253	38.76	PKFH	34.2	-31.2	41.76	-	-	74	-32.24	73	101	V
	* 4.74422	27.33	VA1T	34.2	-31.2	30.33	54	-23.67	-	-	73	101	V
6	* 12.20545	36.73	PKFH	38.9	-23.5	52.13	-	-	74	-21.87	33	101	V
	* 12.20437	26.07	VA1T	38.9	-23.4	41.57	54	-12.43	-	-	33	101	V
1	1.86498	34.45	PKFH	31	-22.5	42.95	-	-	-	-	360	200	H
2	1.89045	33.82	PKFH	31	-22.4	42.42	-	-	-	-	357	101	V
3	6.14093	37.38	PKFH	35.6	-28.5	44.48	-	-	-	-	199	101	H

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

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

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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 11.85142	35.01	PKFH	38.5	-23.1	50.41	-	-	74	-23.59	308	101	H
	* 11.84946	22.67	VA1T	38.5	-23.1	38.07	54	-15.93	-	-	308	101	H
1	1.83238	33.8	PKFH	30.8	-22.5	42.1	-	-	-	-	360	200	H
2	2.05778	34.14	PKFH	31.6	-22	43.74	-	-	-	-	75	362	V
3	5.51859	39.08	PKFH	35.3	-30.5	43.88	-	-	-	-	99	200	H
5	5.93209	38.85	PKFH	35.1	-30.4	43.55	-	-	-	-	26	200	V
6	14.50068	35.48	PKFH	39.8	-22.7	52.58	-	-	-	-	44	101	V

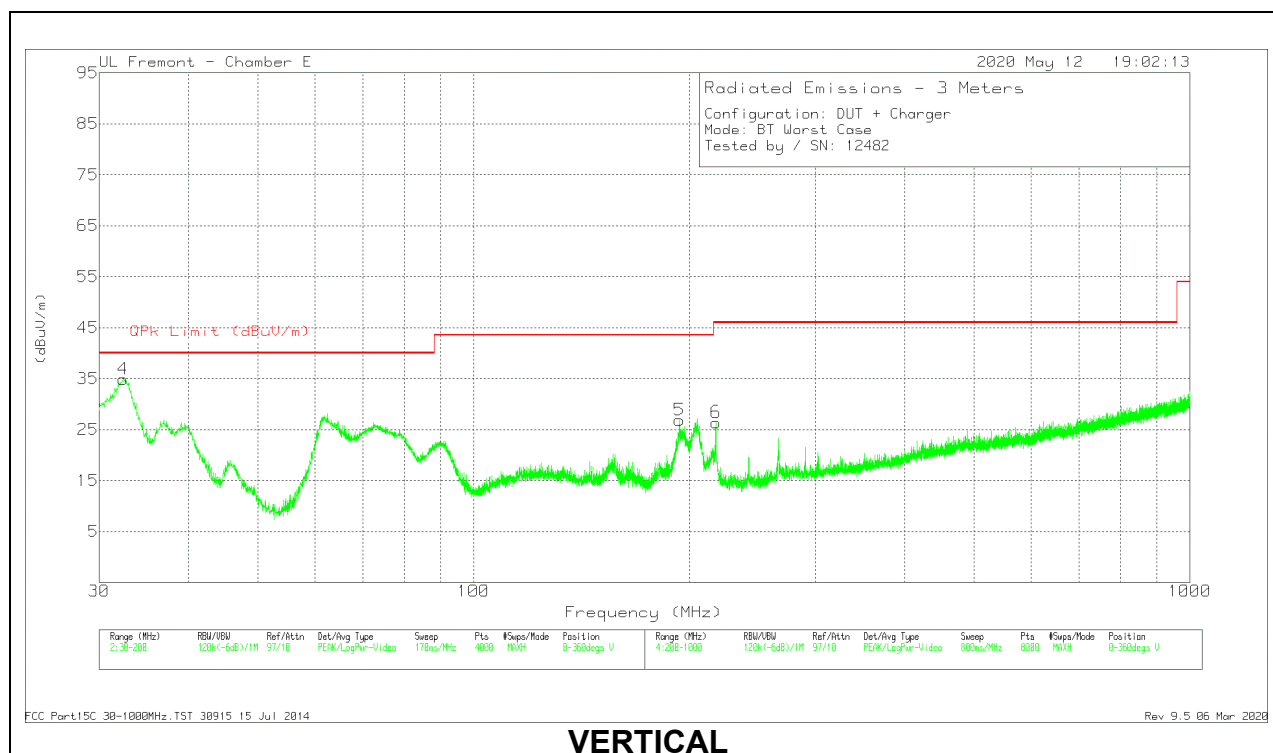
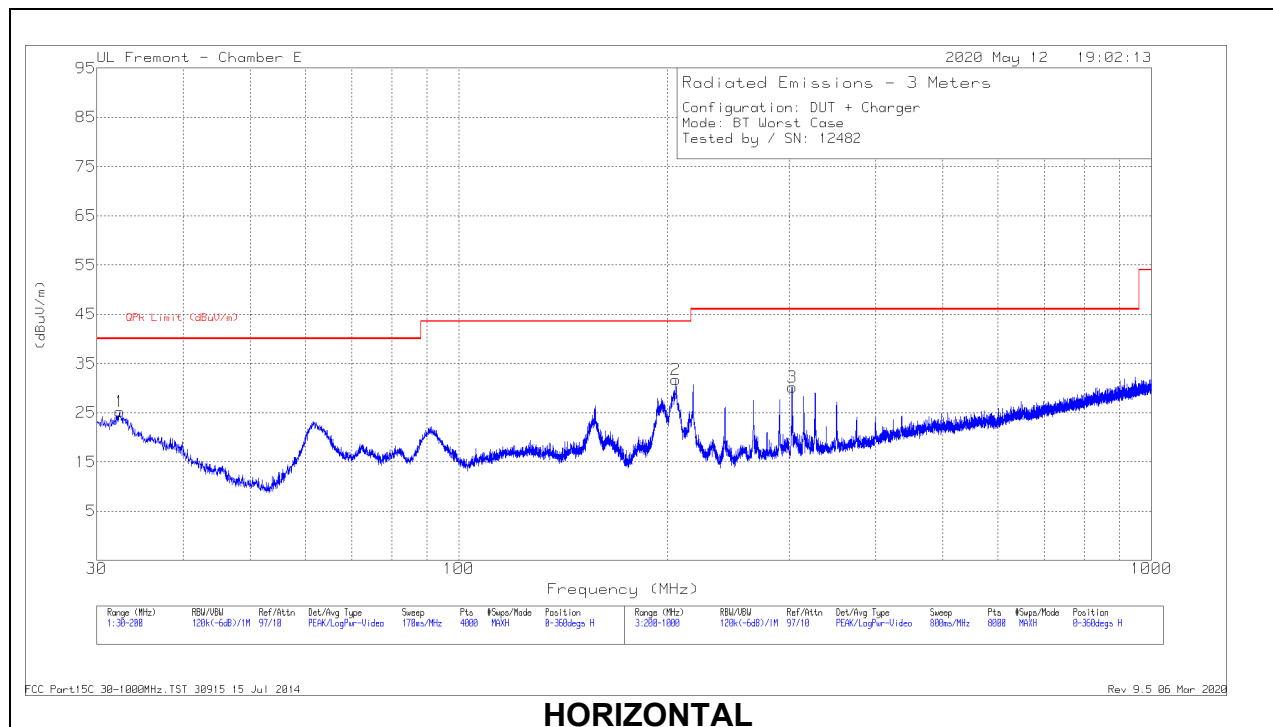
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

10.2. WORST CASE BELOW 1 GHZ

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



Below 1GHz Data

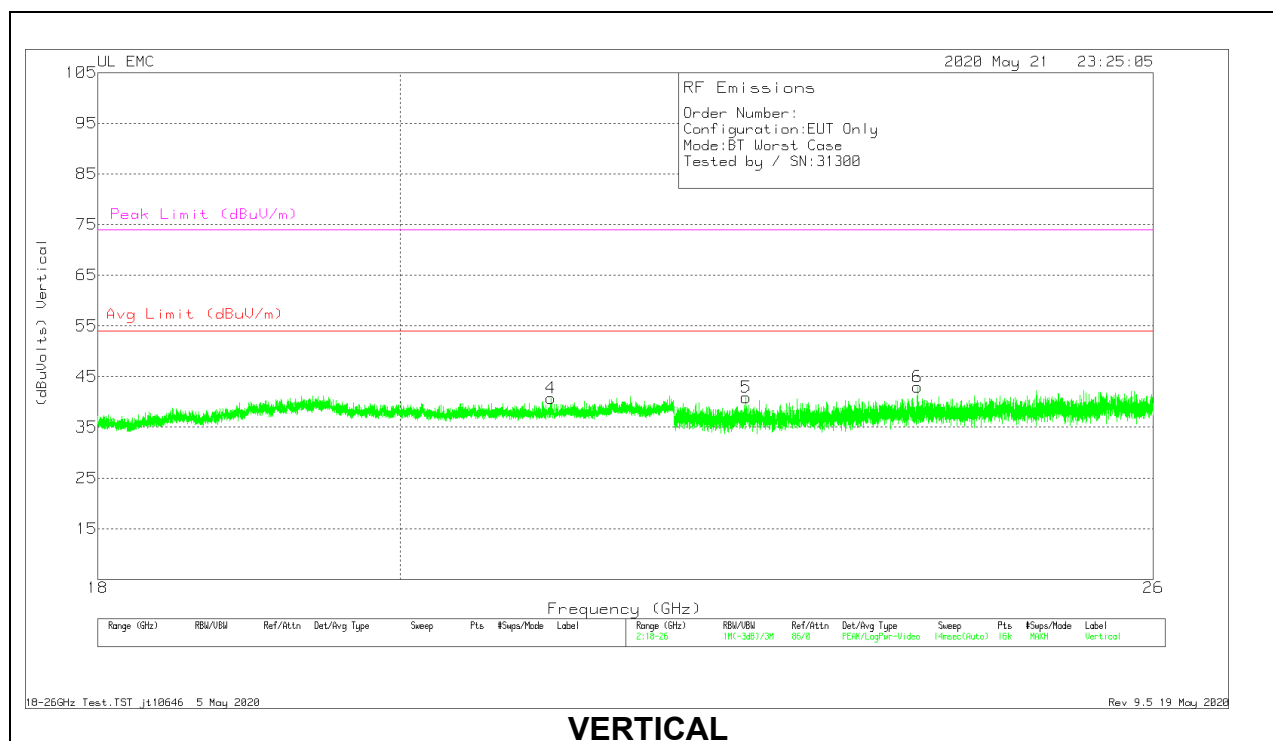
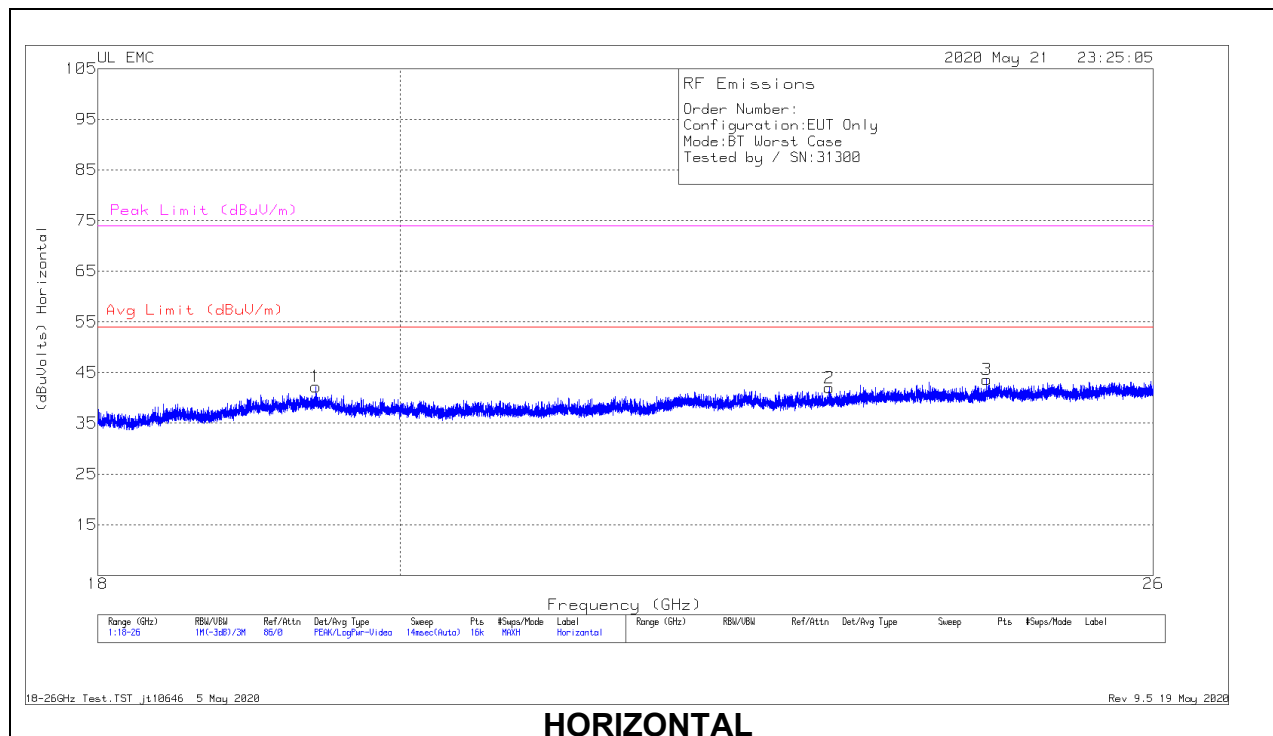
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.3806	31.47	Pk	25.2	-31.5	25.17	40	-14.83	0-360	301	H
4	32.6081	41.53	Pk	25	-31.5	35.03	40	-4.97	121	106	V
	32.7041	37.63	Qp	24.9	-31.6	30.93	40	-9.07	121	106	V
5	193.7949	39.08	Pk	17.8	-30	26.88	43.52	-16.64	0-360	100	V
2	205.8008	45.22	Pk	16.4	-29.9	31.72	43.52	-11.8	0-360	99	H
6	217.8023	39.71	Pk	16.5	-29.8	26.41	46.02	-19.61	0-360	201	V
3	302.7134	40.14	Pk	19.3	-29.3	30.14	46.02	-15.88	0-360	99	H

Pk - Peak detector

Qp - Quasi-Peak detector

10.3. WORST CASE 18-26 GHZ

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



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T125 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.42091	37.71	Pk	32.6	-18.6	-9.5	42.21	54	-11.79	74	-31.79
2	23.22568	38.2	Pk	33.7	-20.4	-9.5	42	54	-12	74	-32
3	24.53359	38.24	Pk	34.1	-19.2	-9.5	43.64	54	-10.36	74	-30.36
4	21.07831	38.14	Pk	33	-20.9	-9.5	40.74	54	-13.26	74	-33.26
5	22.56022	36.91	Pk	33.4	-19.9	-9.5	40.91	54	-13.09	74	-33.09
6	23.94913	37.94	Pk	33.9	-19.4	-9.5	42.94	54	-11.06	74	-31.06

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

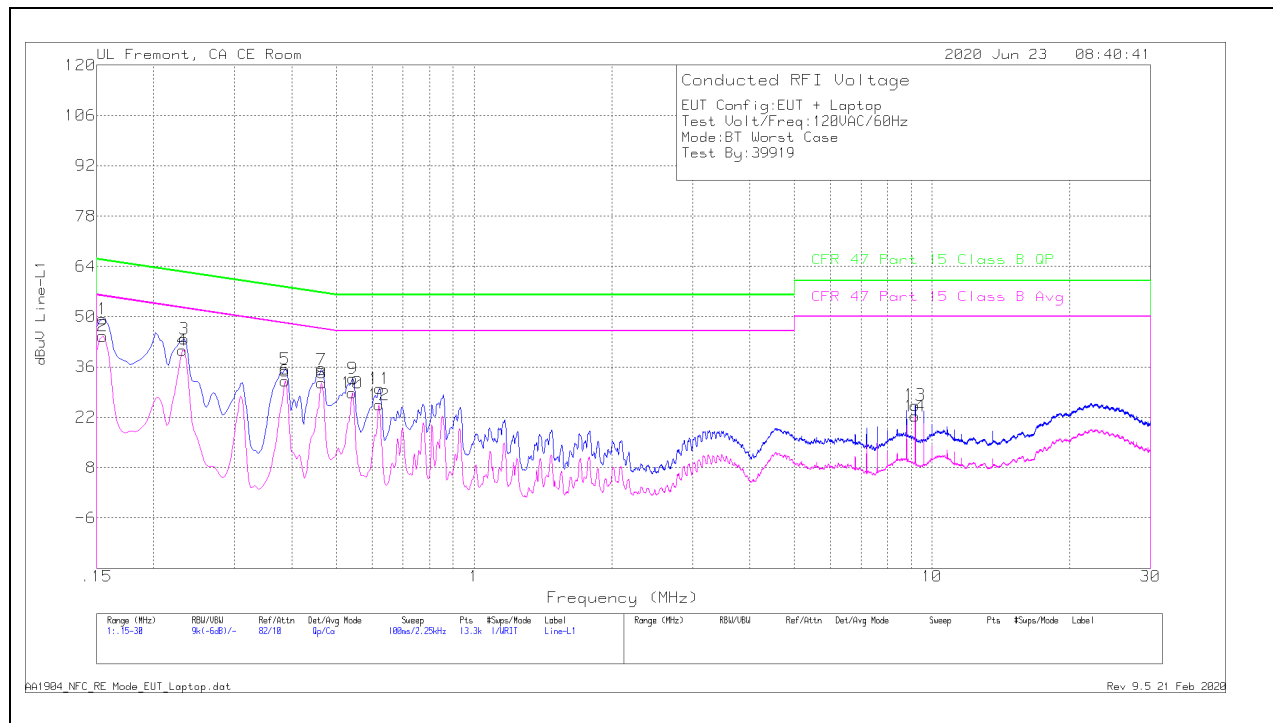
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line With Laptop

LINE 1 RESULTS

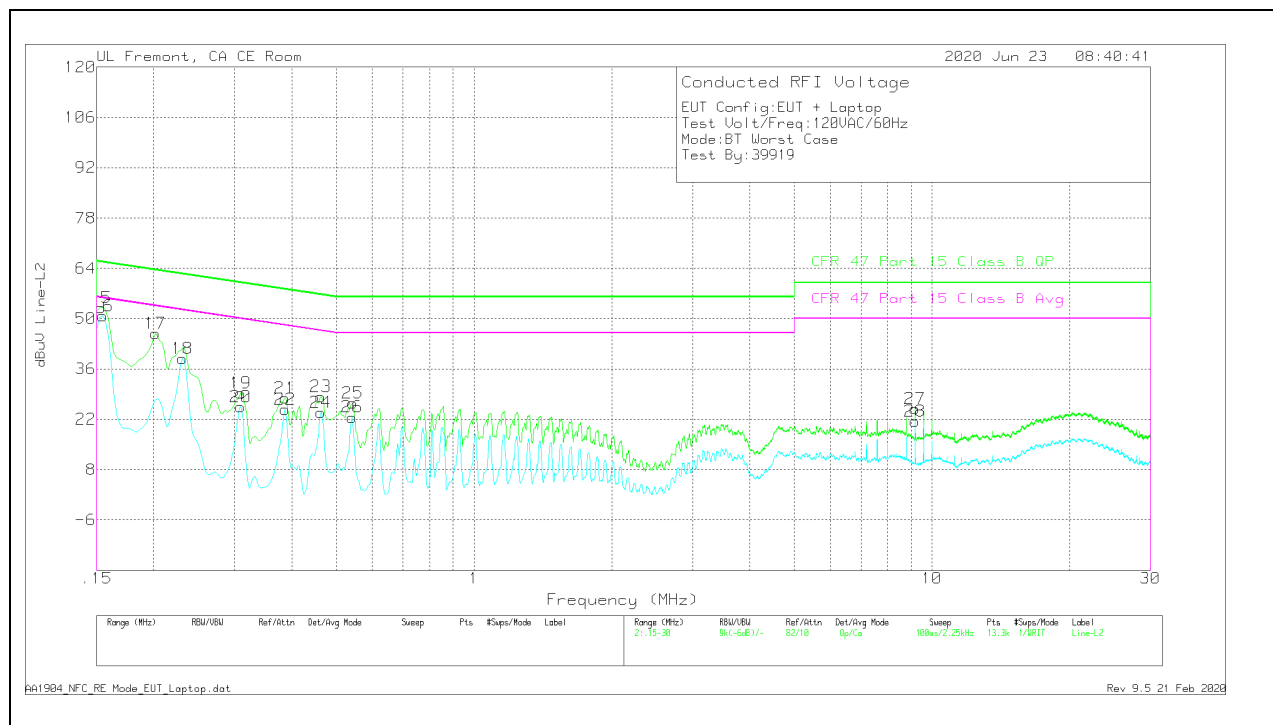


Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
1	.1545	39.21	Qp	.1	0	10	49.31	65.75	-16.44	-	-
2	.1545	34.49	Ca	.1	0	10	44.59	-	-	55.75	-11.16
3	.23325	33.84	Qp	0	0	10	43.84	62.33	-18.49	-	-
4	.231	30.7	Ca	0	0	10	40.7	-	-	52.41	-11.71
5	.38625	25.48	Qp	0	0	10	35.48	58.14	-22.66	-	-
6	.38625	22.14	Ca	0	0	10	32.14	-	-	48.14	-16
7	.465	25.23	Qp	0	0	10	35.23	56.6	-21.37	-	-
8	.465	21.53	Ca	0	0	10	31.53	-	-	46.6	-15.07
9	.54375	22.8	Qp	0	0	10	32.8	56	-23.2	-	-
10	.5415	18.81	Ca	0	0	10	28.81	-	-	46	-17.19
11	.6225	19.94	Qp	0	0	10	29.94	56	-26.06	-	-
12	.62025	15.53	Ca	0	0	10	25.53	-	-	46	-20.47
13	9.195	15.09	Qp	0	.2	10.1	25.39	60	-34.61	-	-
14	9.195	12.04	Ca	0	.2	10.1	22.34	-	-	50	-27.66

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS

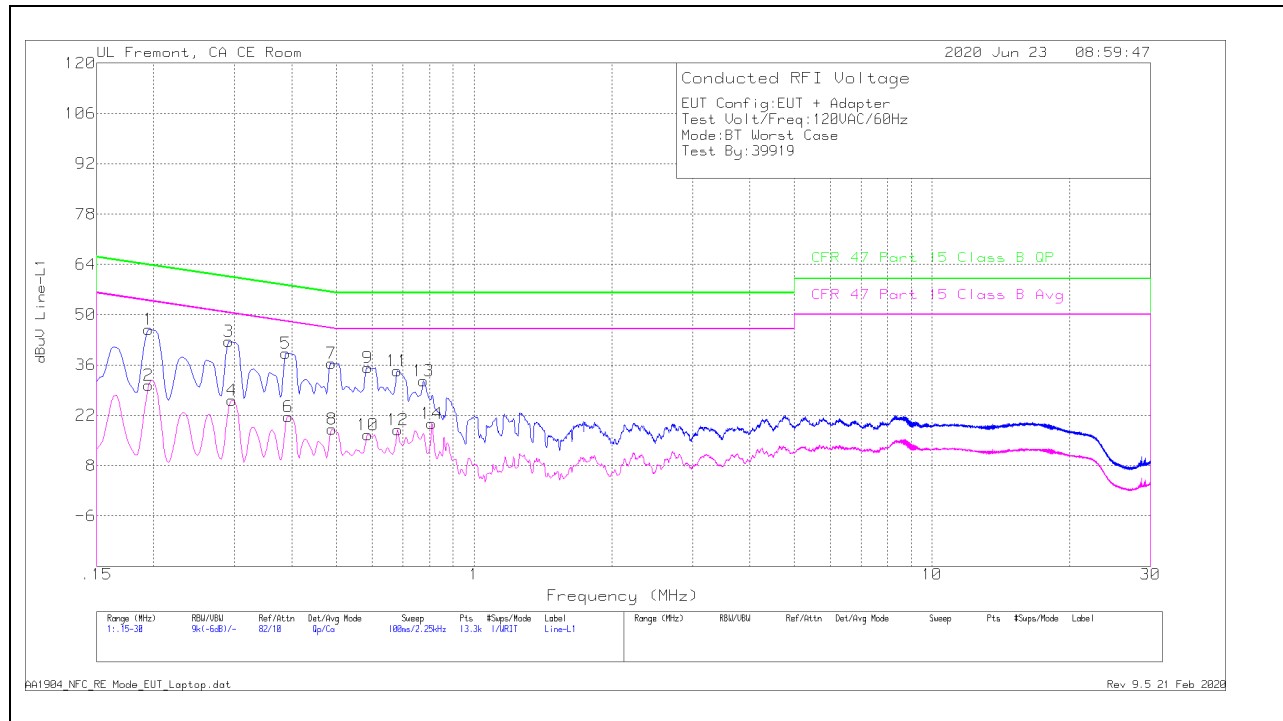


Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
15	.15338	43.08	Qp	0	0	10	53.08	65.81	-12.73	-	-
16	.1545	40.83	Ca	0	0	10	50.83	-	-	55.75	-4.92
17	.20175	35.91	Qp	0	0	10	45.91	63.54	-17.63	-	-
18	.231	28.9	Ca	0	0	10	38.9	-	-	52.41	-13.51
19	.30975	19.25	Qp	0	0	10	29.25	59.98	-30.73	-	-
20	.30975	15.48	Ca	0	0	10	25.48	-	-	49.98	-24.5
21	.38625	17.97	Qp	0	0	10	27.97	58.14	-30.17	-	-
22	.38625	14.74	Ca	0	0	10	24.74	-	-	48.14	-23.4
23	.46275	18.35	Qp	0	0	10	28.35	56.64	-28.29	-	-
24	.46275	13.96	Ca	0	0	10	23.96	-	-	46.64	-22.68
25	.54375	16.48	Qp	0	0	10	26.48	56	-29.52	-	-
26	.5415	12.6	Ca	0	0	10	22.6	-	-	46	-23.4
27	9.18825	14.7	Qp	0	.2	10.1	25	60	-35	-	-
28	9.18825	11.19	Ca	0	.2	10.1	21.49	-	-	50	-28.51

Qp - Quasi-Peak detector
Ca - CISPR average detection

11.2. AC Power Line With AC/DC Adapter

LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz

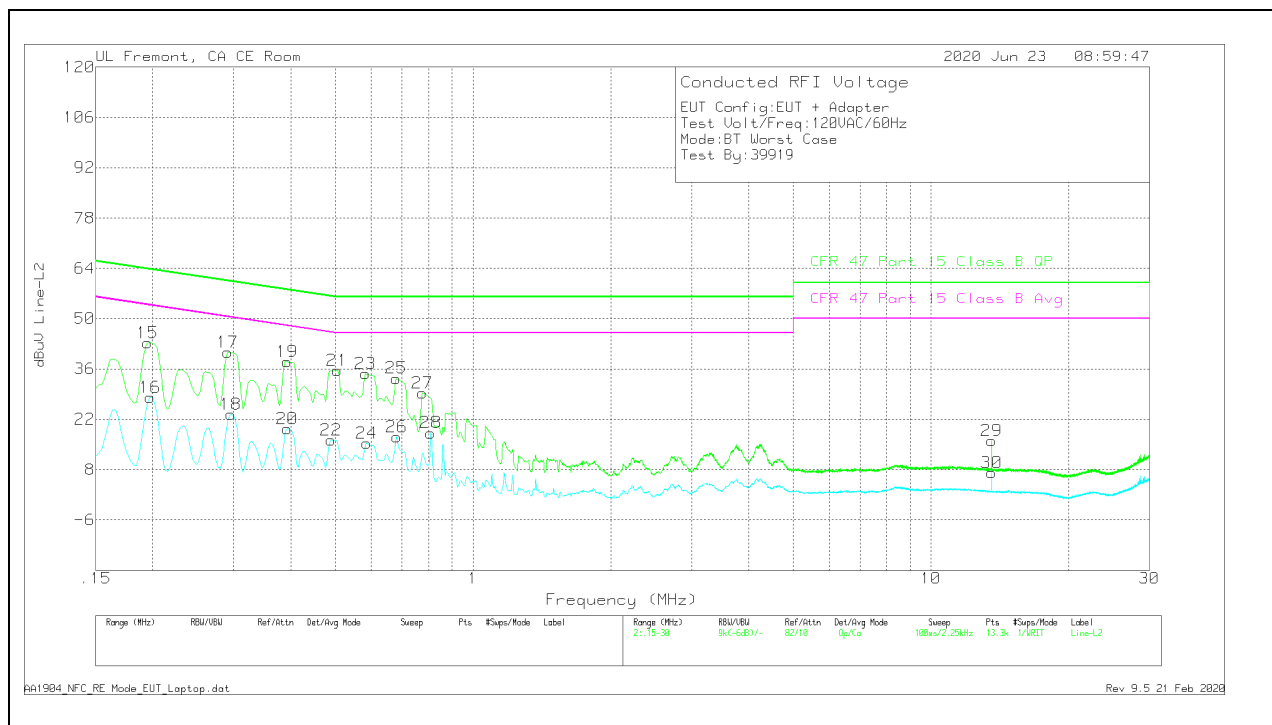
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
1	.195	35.87	Qp	0	0	10	45.87	63.82	-17.95	-	-
2	.195	20.33	Ca	0	0	10	30.33	-	-	53.82	-23.49
3	.29175	32.51	Qp	0	0	10	42.51	60.47	-17.96	-	-
4	.29625	16.2	Ca	0	0	10	26.2	-	-	50.35	-24.15
5	.3885	29.31	Qp	0	0	10	39.31	58.1	-18.79	-	-
6	.393	11.71	Ca	0	0	10	21.71	-	-	48	-26.29
7	.48863	26.45	Qp	0	0	10	36.45	56.19	-19.74	-	-
8	.48975	8.12	Ca	0	0	10	18.12	-	-	46.17	-28.05
9	.5865	25.23	Qp	0	0	10	35.23	56	-20.77	-	-
10	.5865	6.65	Ca	0	0	10	16.65	-	-	46	-29.35
11	.67875	24.43	Qp	0	0	10	34.43	56	-21.57	-	-
12	.681	7.91	Ca	0	0	10	17.91	-	-	46	-28.09
13	.7755	21.59	Qp	0	0	10	31.59	56	-24.41	-	-
14	.80925	9.67	Ca	0	0	10	19.67	-	-	46	-26.33

Qp - Quasi-Peak detector

Ca - CISPR average detection

*Indicates UL RFID signal. Not from device.

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
15	.195	33.3	Qp	0	0	10	43.3	63.82	-20.52	-	-
16	.19725	18.13	Ca	0	0	10	28.13	-	-	53.73	-25.6
17	.29175	30.68	Qp	0	0	10	40.68	60.47	-19.79	-	-
18	.29625	13.4	Ca	0	0	10	23.4	-	-	50.35	-26.95
19	.393	28	Qp	0	0	10	38	58	-20	-	-
20	.393	9.37	Ca	0	0	10	19.37	-	-	48	-28.63
21	.5055	25.66	Qp	0	0	10	35.66	56	-20.34	-	-
22	.48975	6.23	Ca	0	0	10	16.23	-	-	46.17	-29.94
23	.582	24.77	Qp	0	0	10	34.77	56	-21.23	-	-
24	.5865	5.34	Ca	0	0	10	15.34	-	-	46	-30.66
25	.67875	23.42	Qp	0	0	10	33.42	56	-22.58	-	-
26	.681	7.13	Ca	0	0	10	17.13	-	-	46	-28.87
27	.7755	19.26	Qp	0	0	10	29.26	56	-26.74	-	-
28	.80925	8.24	Ca	0	0	10	18.24	-	-	46	-27.76
*29	13.56	5.65	Qp	.1	.2	10.1	16.05	60	-43.95	-	-
*30	13.56	-3.29	Ca	.1	.2	10.1	7.11	-	-	50	-42.89

Qp - Quasi-Peak detector

Ca - CISPR average detection

*Indicates UL RFID signal. Not from device.

12. SETUP PHOTOS

Please refer to 13335182-EP1 for setup photos

END OF TEST REPORT