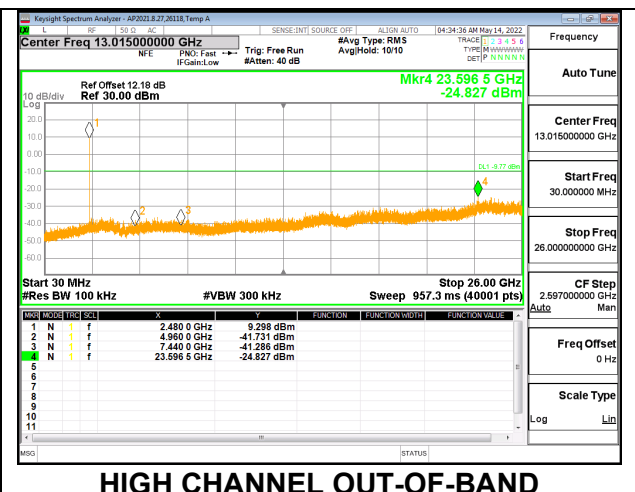
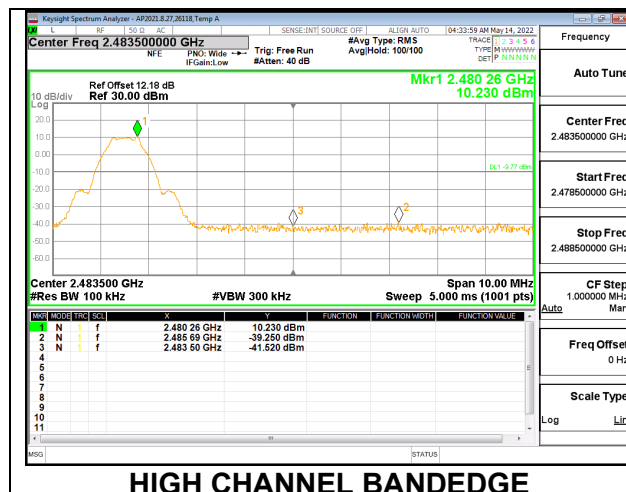
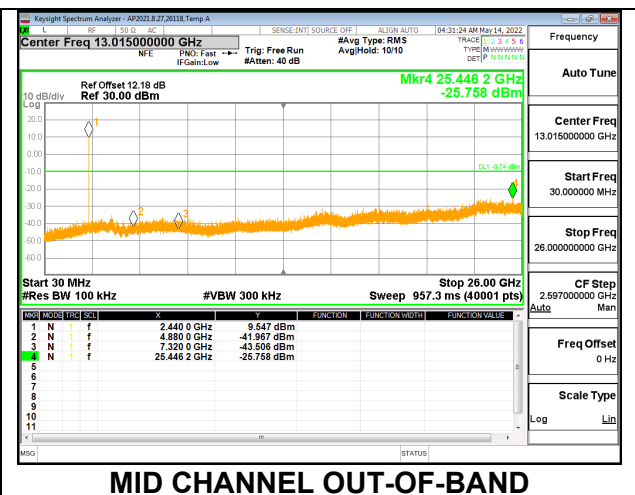
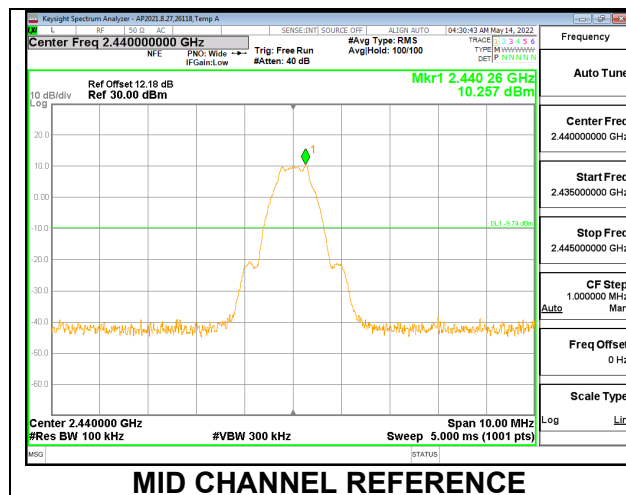
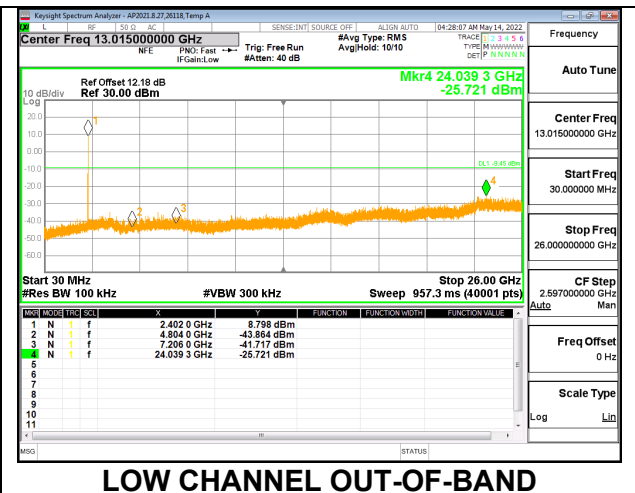
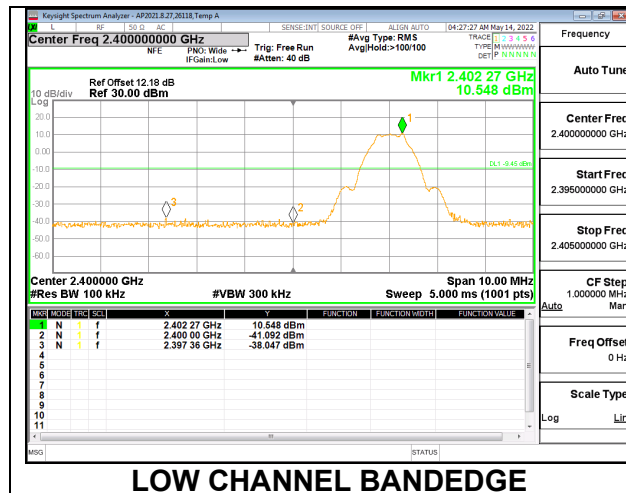
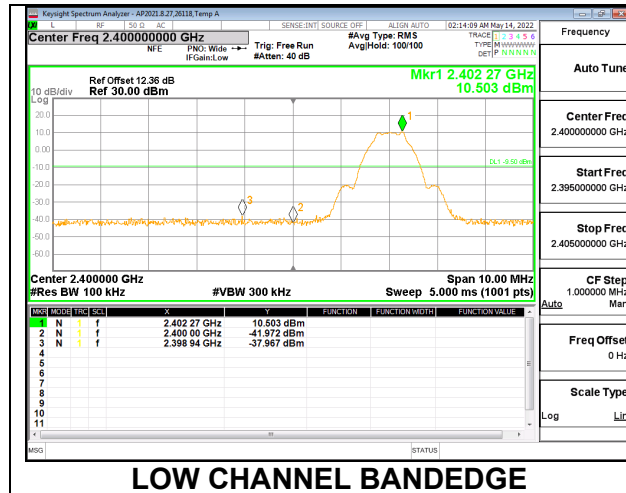


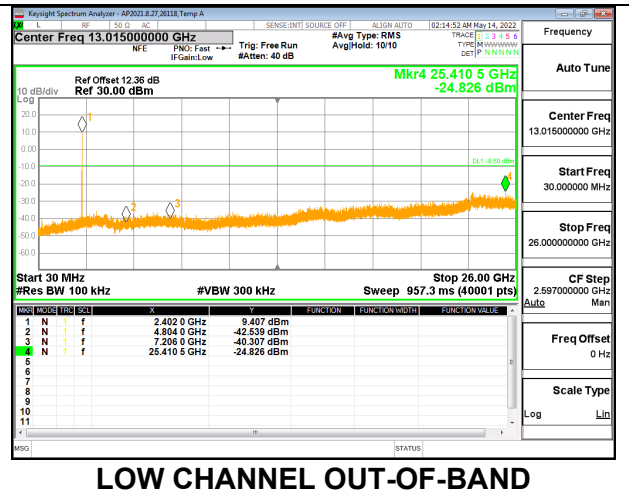
ANT 3

9.7.6. LOW POWER BLE TXBF (1Mbps)

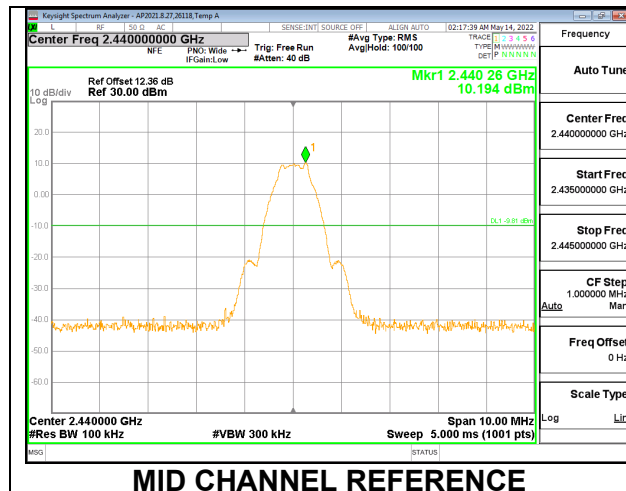
ANT 4



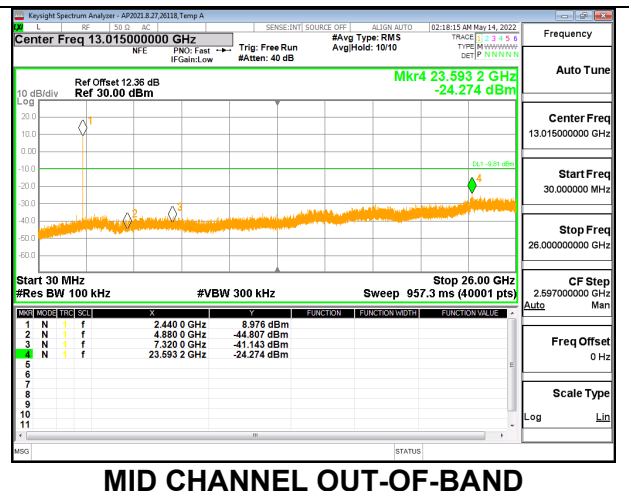
LOW CHANNEL BANDEDGE



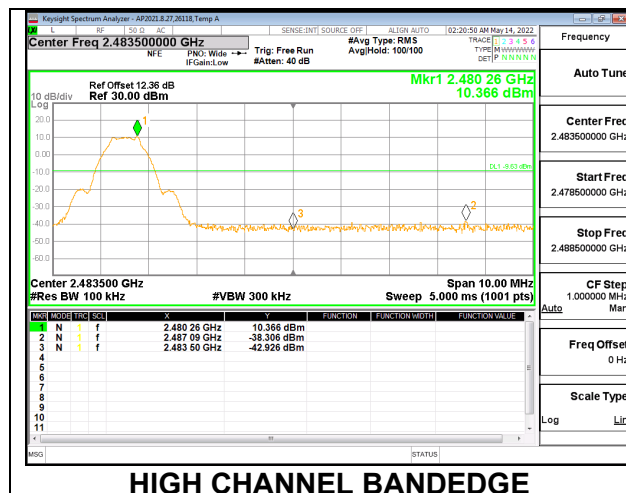
LOW CHANNEL OUT-OF-BAND



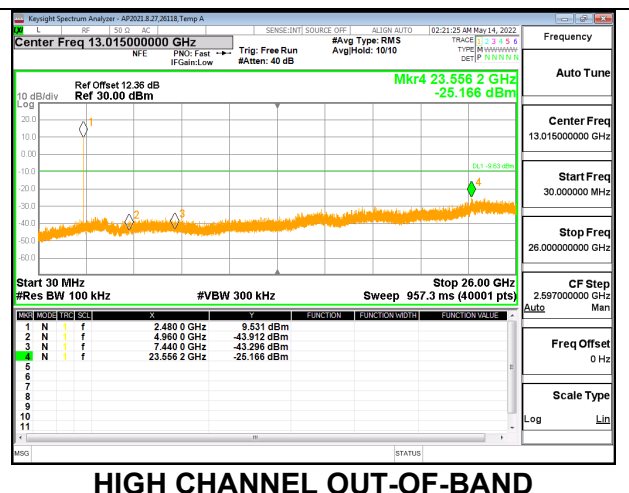
MID CHANNEL REFERENCE



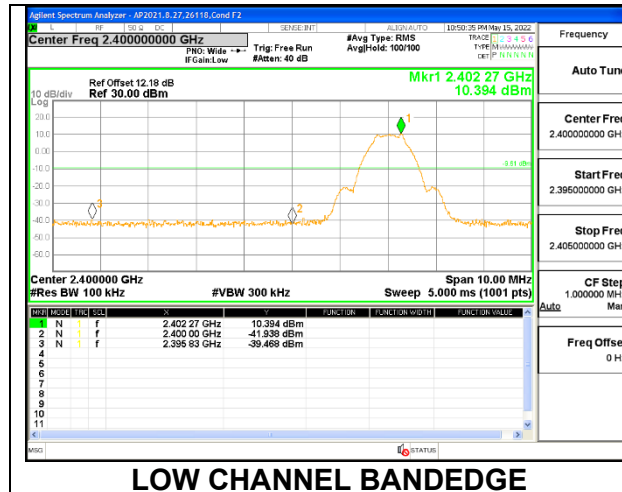
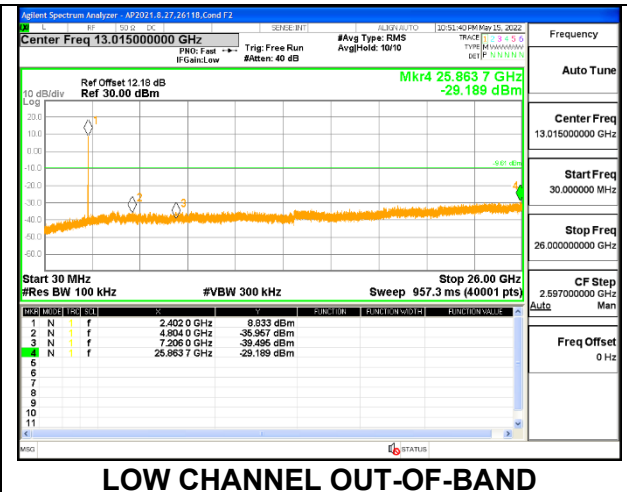
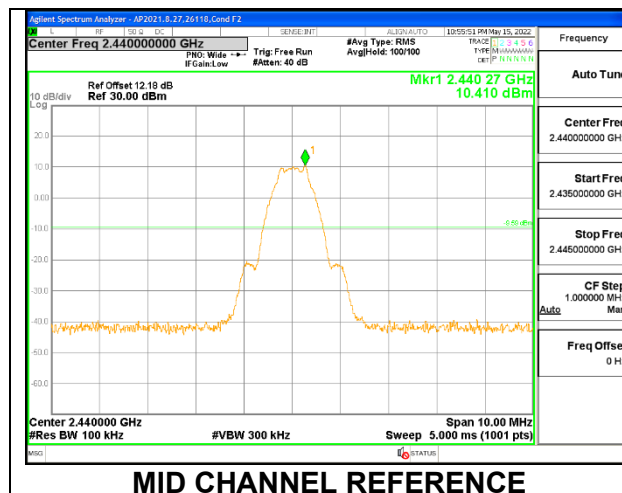
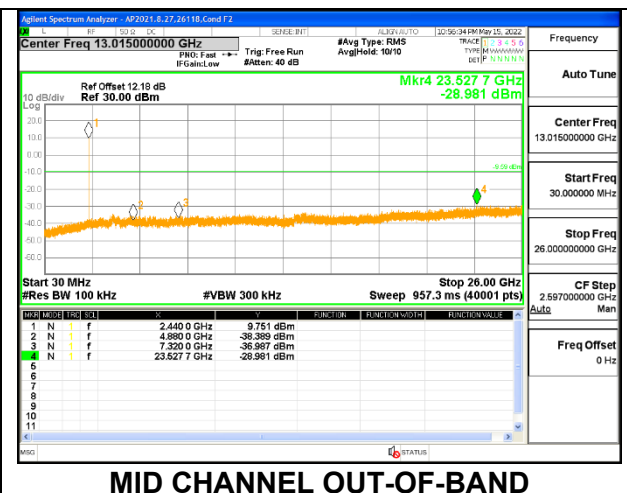
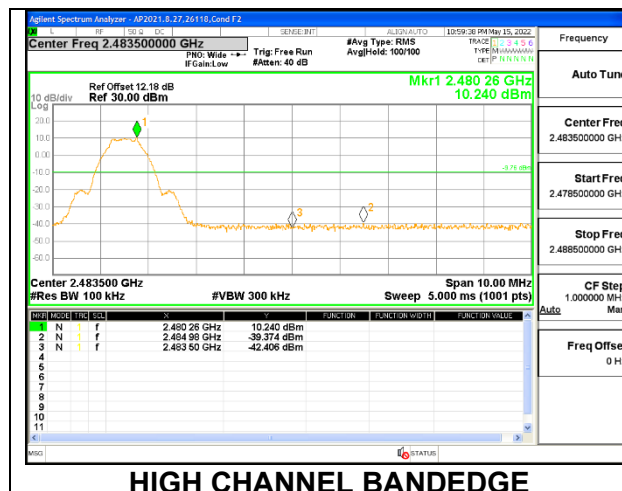
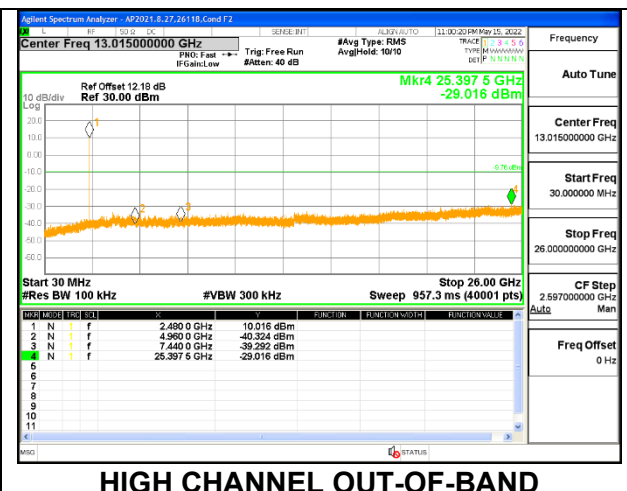
MID CHANNEL OUT-OF-BAND



HIGH CHANNEL BANDEDGE

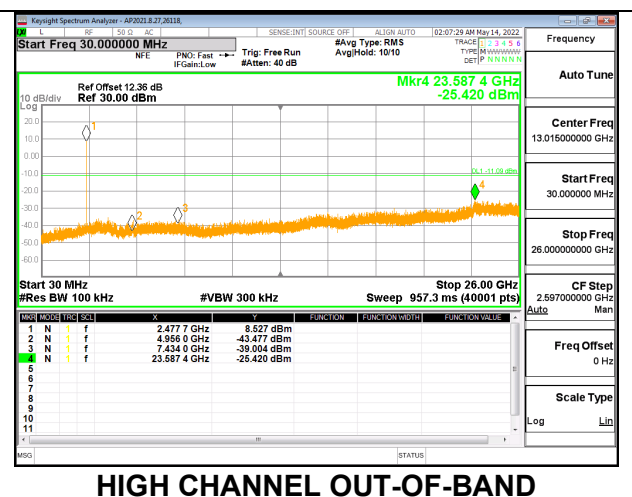
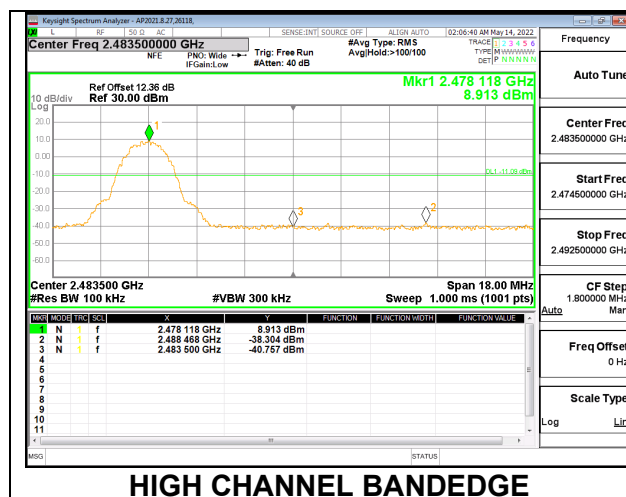
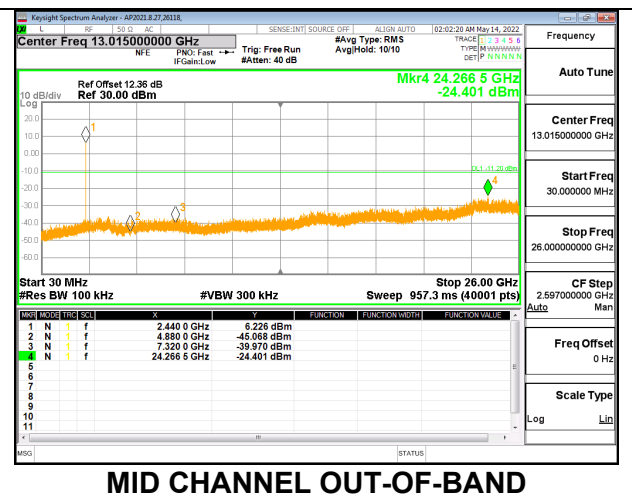
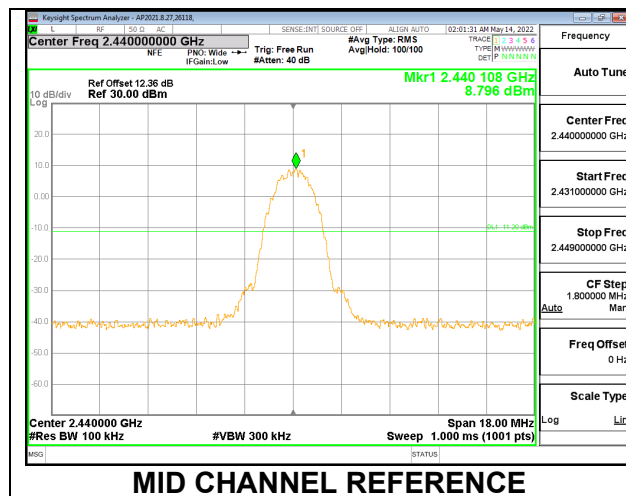
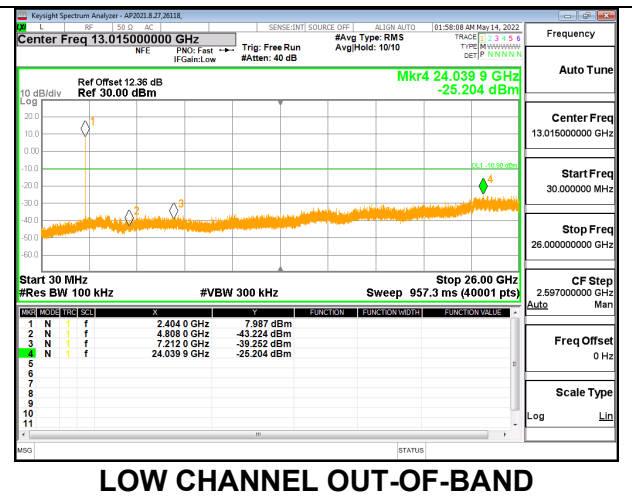
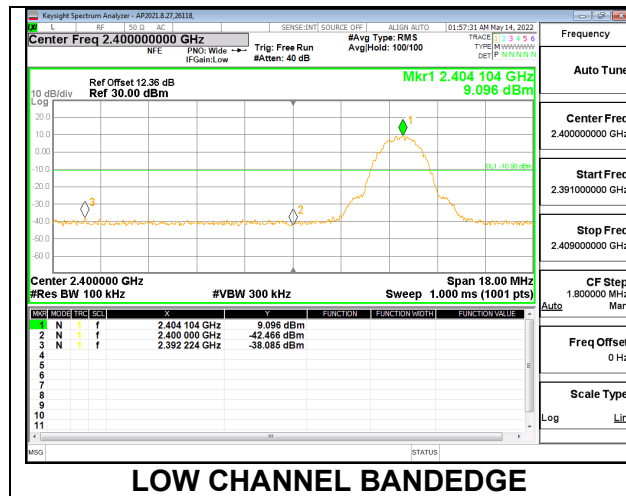


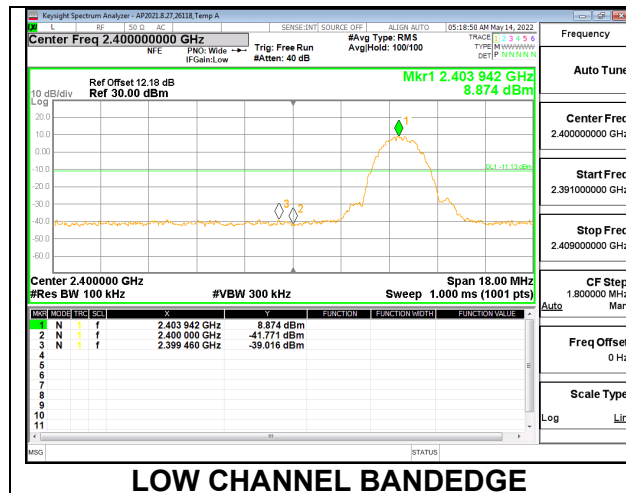
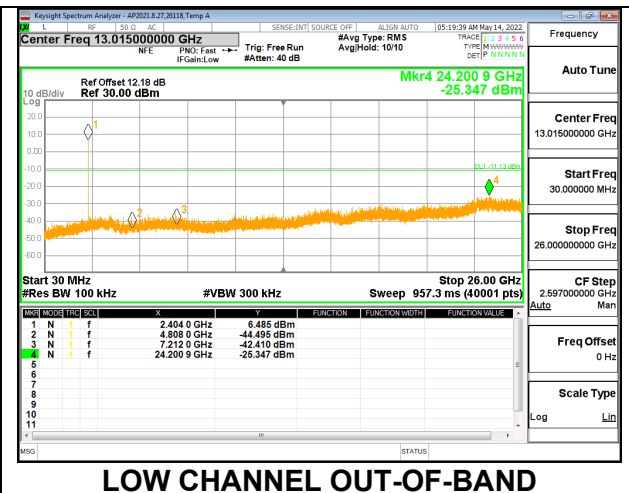
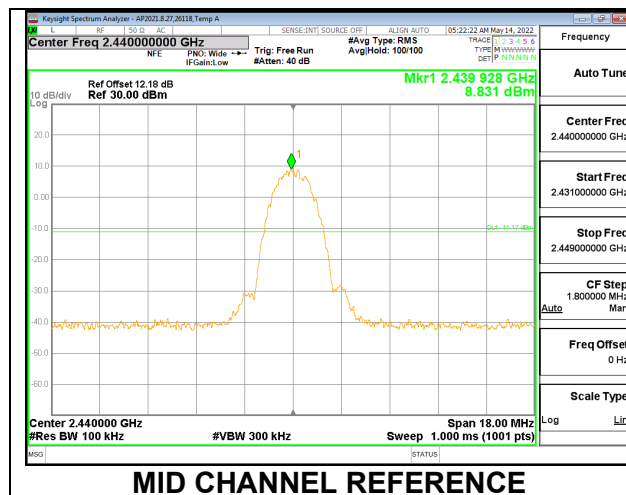
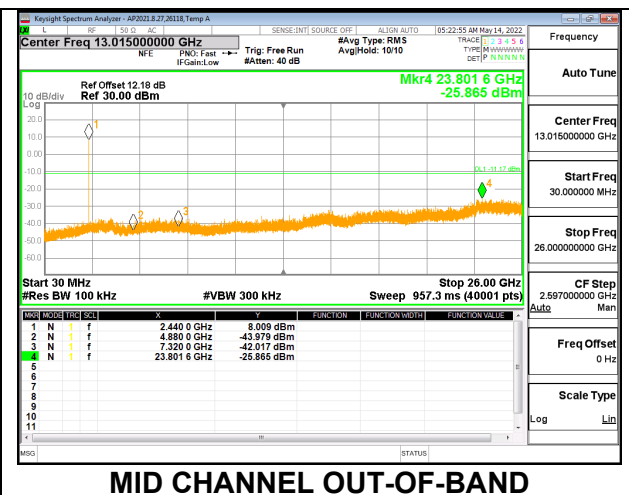
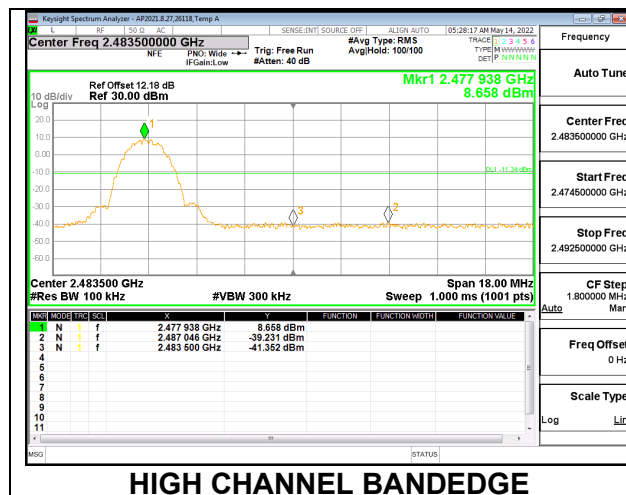
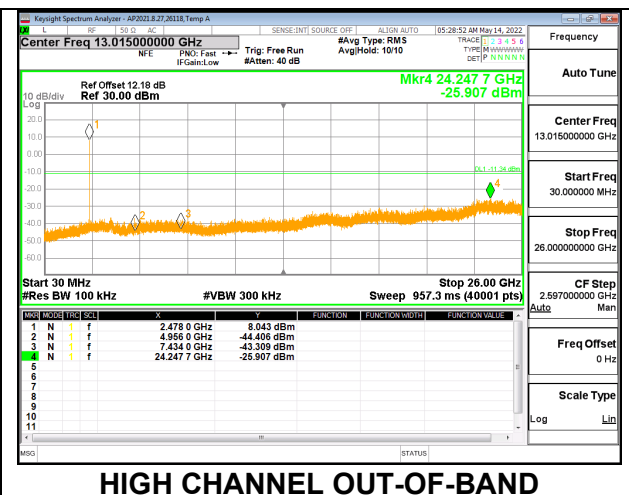
HIGH CHANNEL OUT-OF-BAND

ANT 3**LOW CHANNEL BANDEDGE****LOW CHANNEL OUT-OF-BAND****MID CHANNEL REFERENCE****MID CHANNEL OUT-OF-BAND****HIGH CHANNEL BANDEDGE****HIGH CHANNEL OUT-OF-BAND**

9.7.7. LOW POWER BLE (2Mbps)

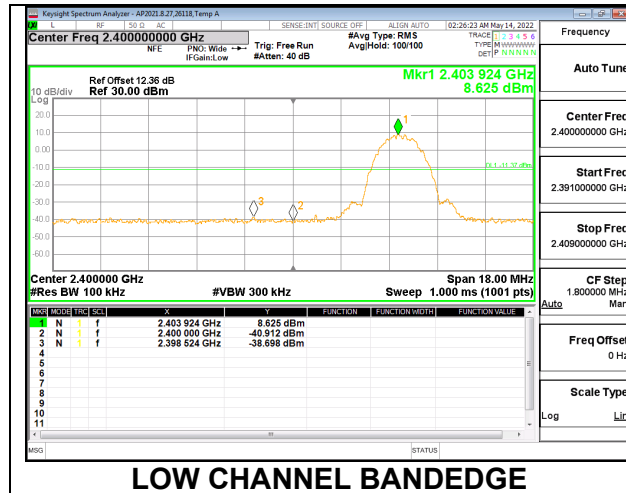
ANT 4



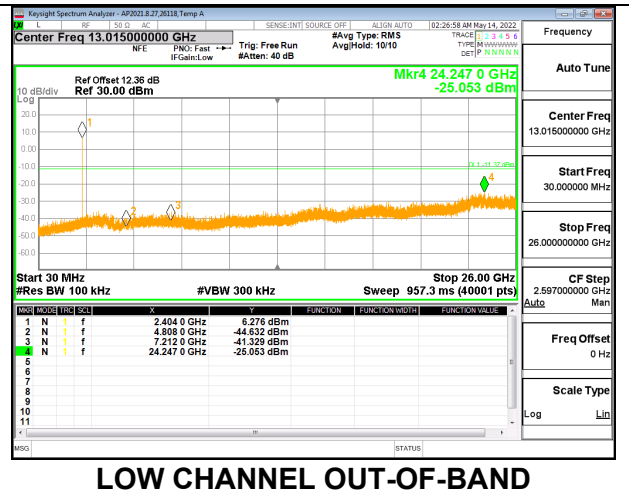
ANT 3**LOW CHANNEL BANDEDGE****LOW CHANNEL OUT-OF-BAND****MID CHANNEL REFERENCE****MID CHANNEL OUT-OF-BAND****HIGH CHANNEL BANDEDGE****HIGH CHANNEL OUT-OF-BAND**

9.7.8. LOW POWER BLE TXBF (2Mbps)

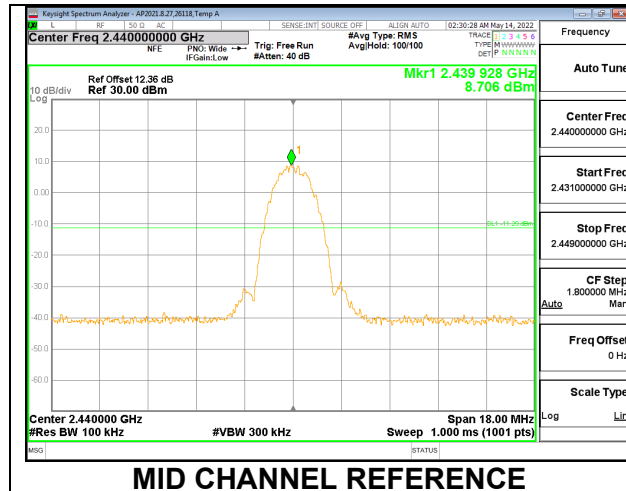
ANT 4



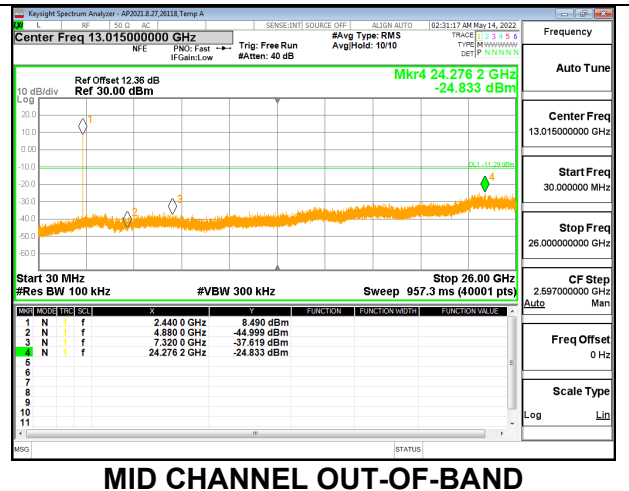
LOW CHANNEL BANDEDGE



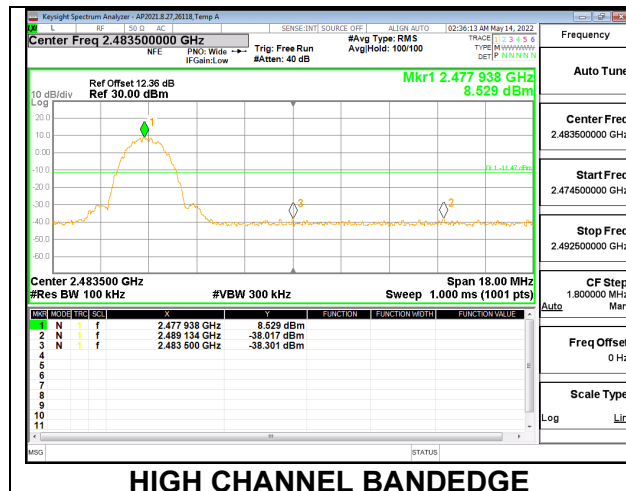
LOW CHANNEL OUT-OF-BAND



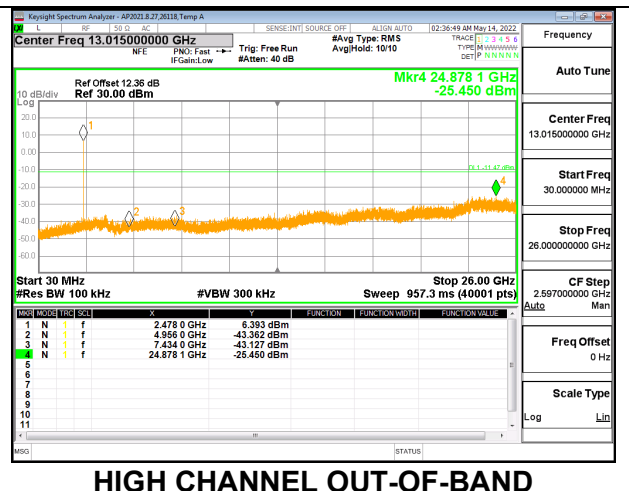
MID CHANNEL REFERENCE



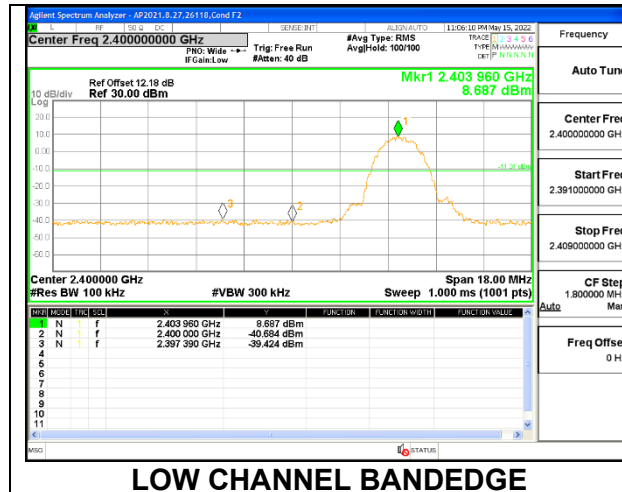
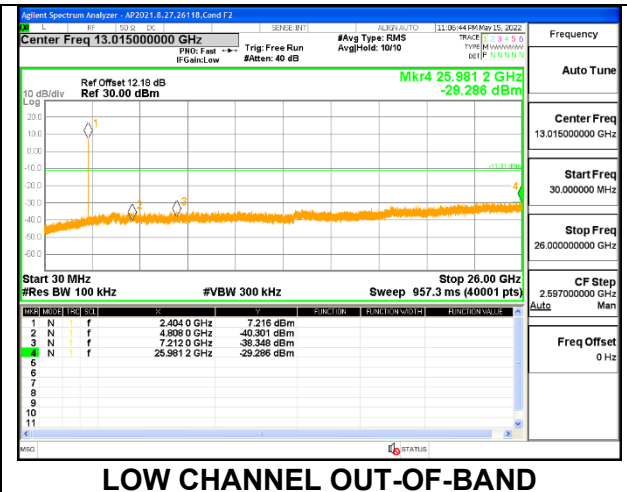
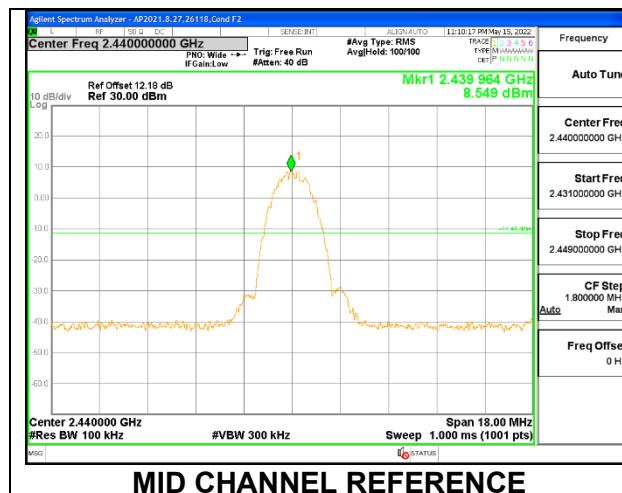
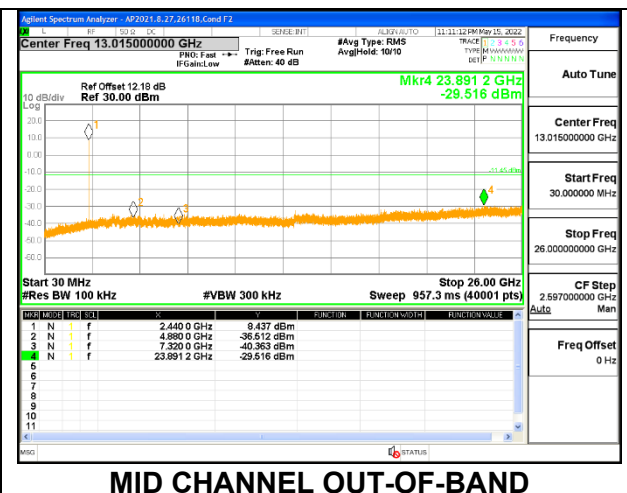
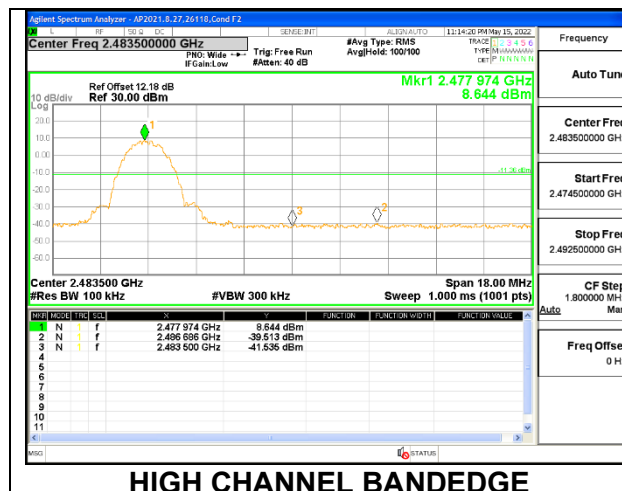
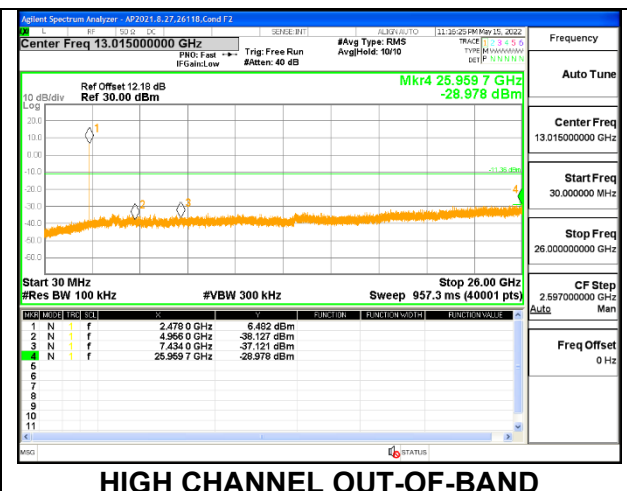
MID CHANNEL OUT-OF-BAND



HIGH CHANNEL BANDEDGE



HIGH CHANNEL OUT-OF-BAND

ANT 3**LOW CHANNEL BANDEDGE****LOW CHANNEL OUT-OF-BAND****MID CHANNEL REFERENCE****MID CHANNEL OUT-OF-BAND****HIGH CHANNEL BANDEDGE****HIGH CHANNEL OUT-OF-BAND**

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

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 as applicable for average measurements.

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

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

Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as report in the table) using free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

In addition:

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.

RESULTS

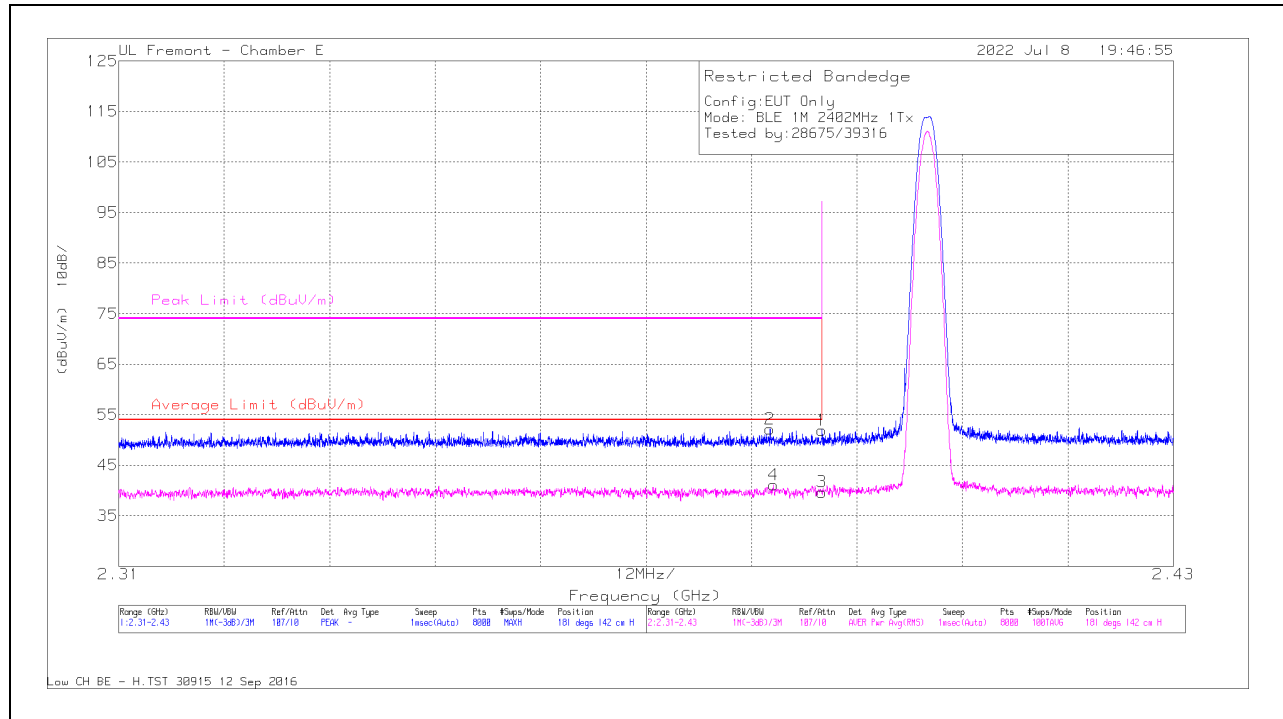
10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. HIGH POWER BLE (1Mbps)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



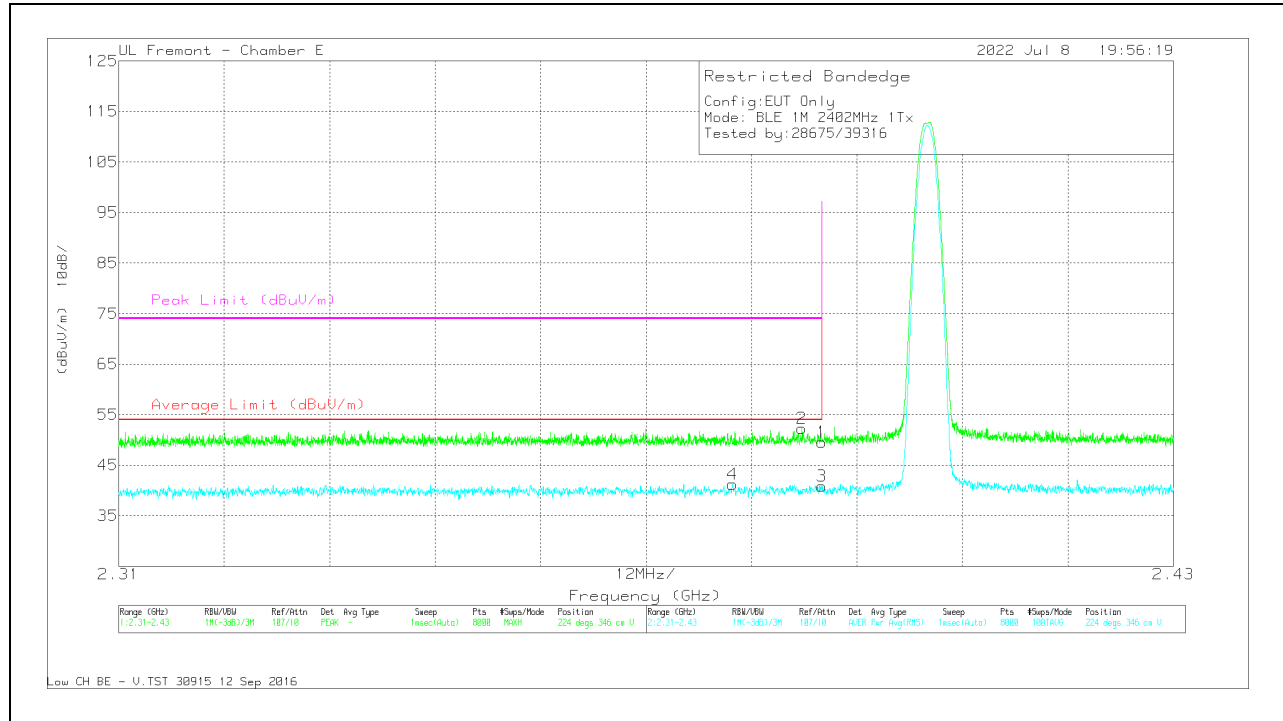
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.82	Pk	32	-25.9	51.92	-	-	74	-22.08	181	142	H
2	* 2.38411	46.19	Pk	32	-26	52.19	-	-	74	-21.81	181	142	H
3	* 2.39	33.58	RMS	32	-25.9	39.68	54	-14.32	-	-	181	142	H
4	* 2.3845	35.09	RMS	32	-26	41.09	54	-12.91	-	-	181	142	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

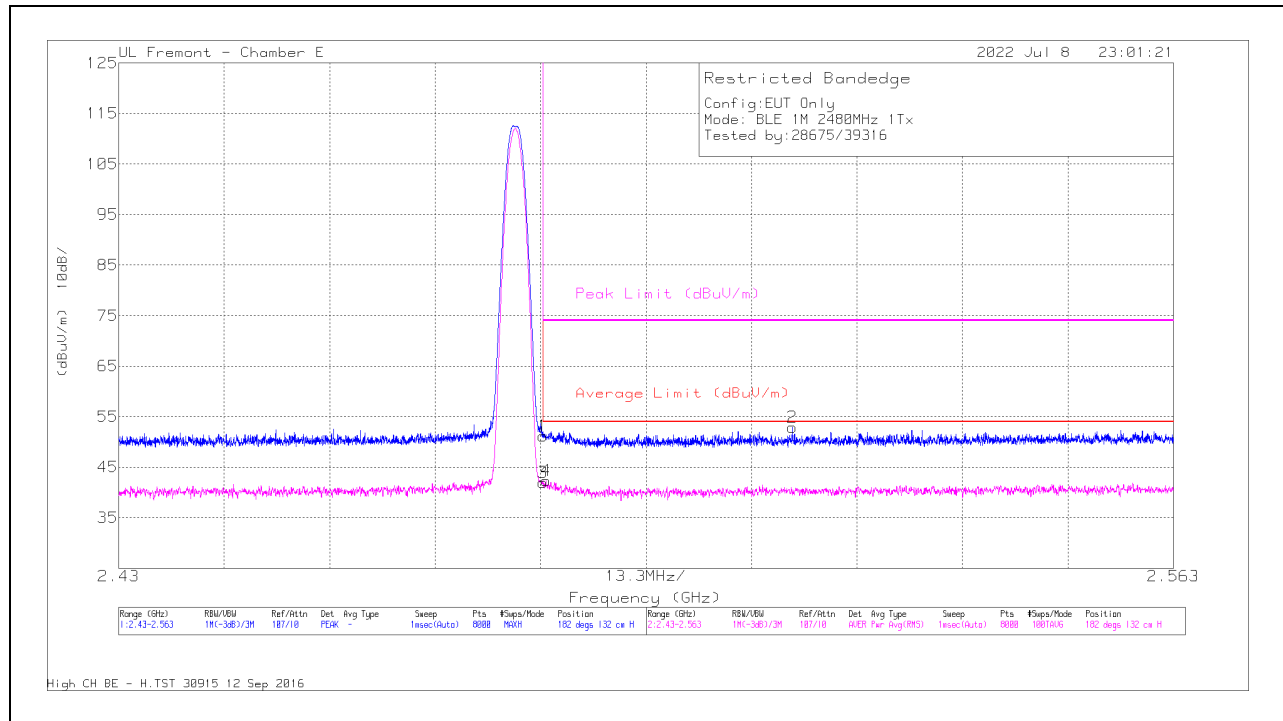


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.44	Pk	32	-25.9	49.54	-	-	74	-24.46	224	346	V
2	* 2.387725	46.18	Pk	32	-25.9	52.28	-	-	74	-21.72	224	346	V
3	* 2.39	34.77	RMS	32	-25.9	40.87	54	-13.13	-	-	224	346	V
4	* 2.379834	35.17	RMS	32	-25.9	41.27	54	-12.73	-	-	224	346	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

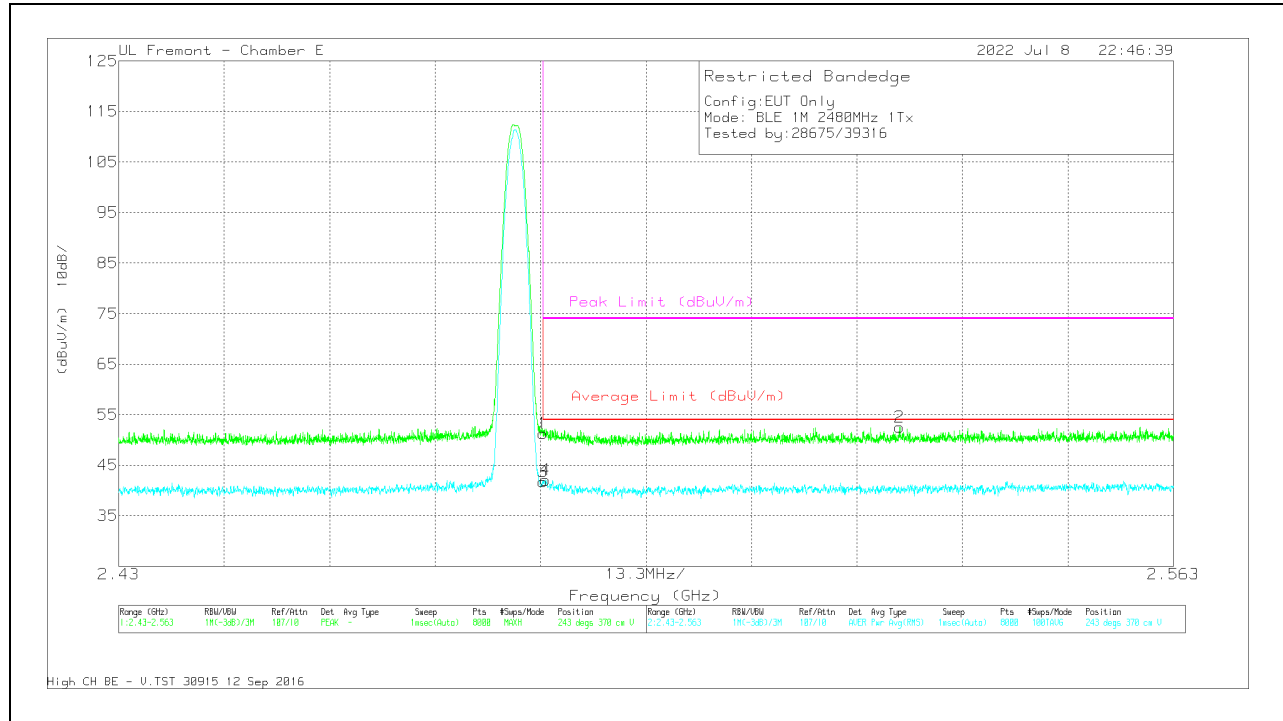
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	45.28	Pk	31.8	-25.9	51.18	-	-	74	-22.82	182	132	H
3	* 2.4835	36.12	RMS	31.8	-25.9	42.02	54	-11.98	-	-	182	132	H
4	* 2.483888	36.39	RMS	31.9	-26	42.29	54	-11.71	-	-	182	132	H
2	2.514947	46.92	Pk	32	-26	52.92	-	-	74	-21.08	182	132	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

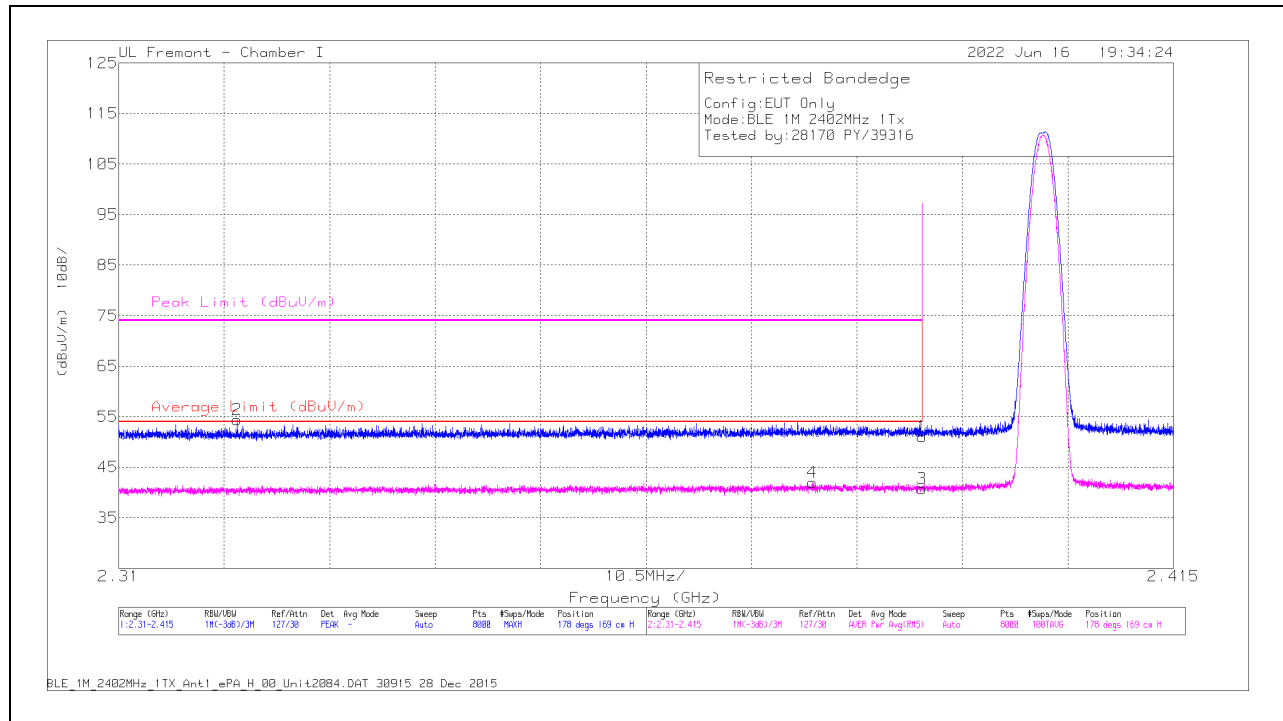


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	45.35	Pk	31.8	-25.9	51.25	-	-	74	-22.75	243	370	V
3	* 2.4835	35.79	RMS	31.8	-25.9	41.69	54	-12.31	-	-	243	370	V
4	* 2.483805	36.14	RMS	31.9	-26	42.04	54	-11.96	-	-	243	370	V
2	2.528498	46.38	Pk	32.2	-26	52.58	-	-	74	-21.42	243	370	V

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

PK - Peak detector

RMS - RMS detection

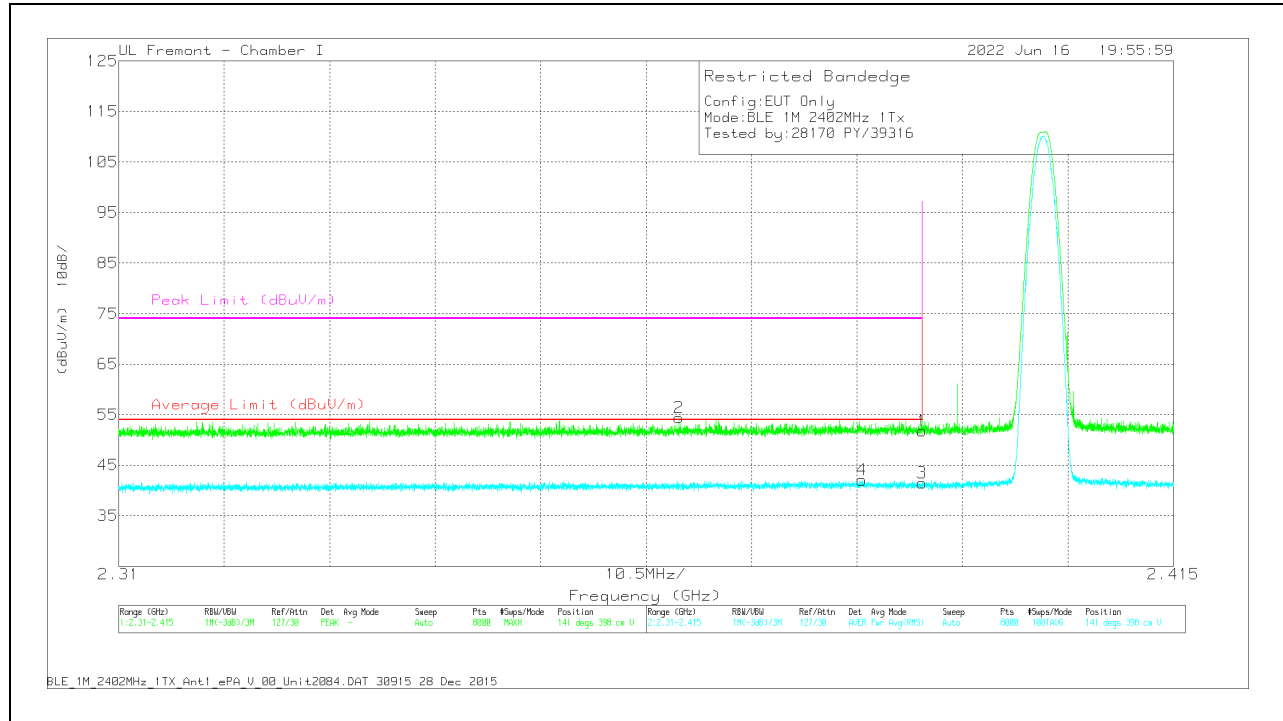
ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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
2	2.321775	57.02	Pk	31.8	-34.4	54.42	-	-	74	-19.58	178	169	H
4	2.379035	44.32	RMS	32	-34.3	42.02	54	-11.98	-	-	178	169	H
1	2.39	53.46	Pk	31.9	-34.3	51.06	-	-	74	-22.94	178	169	H
3	2.39	43.15	RMS	31.9	-34.3	40.75	54	-13.25	-	-	178	169	H

Pk - Peak detector

RMS - RMS detection

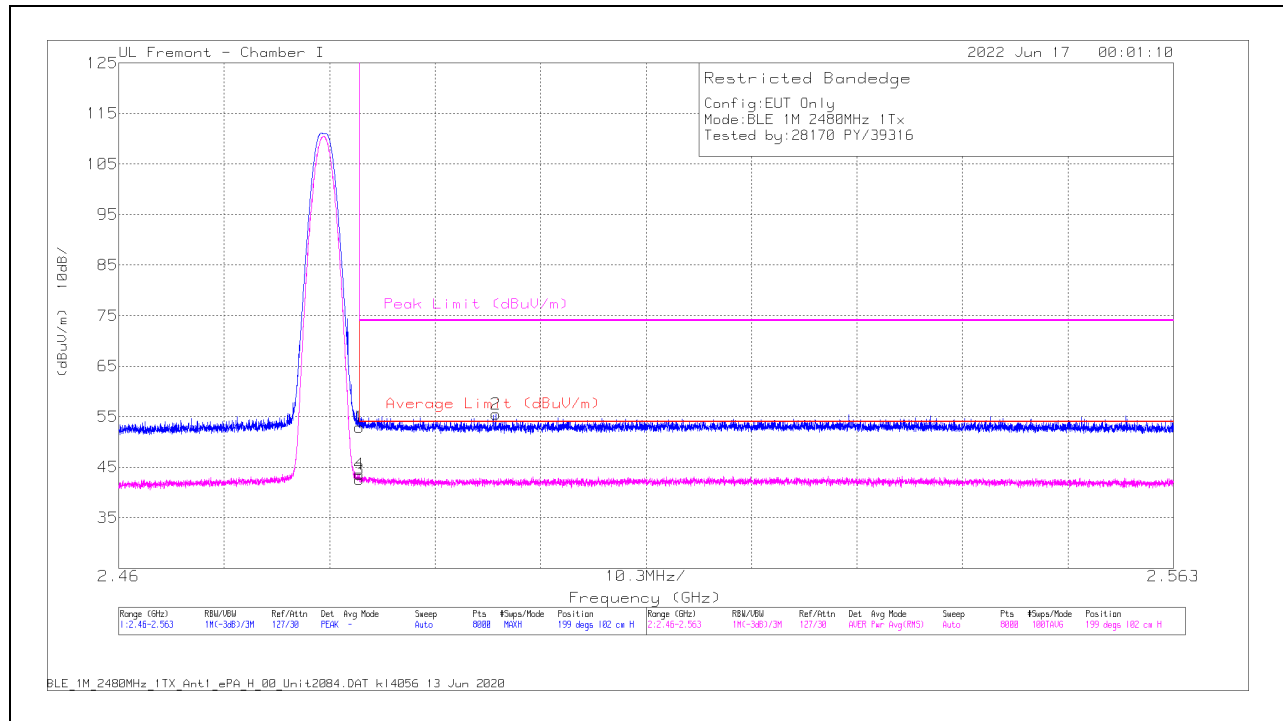
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/CbI/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
2	2.365777	56.92	Pk	31.9	-34.4	54.42	-	-	74	-19.58	141	398	V
4	2.383971	44.44	RMS	32	-34.4	42.04	54	-11.96	-	-	141	398	V
1	2.39	54.17	Pk	31.9	-34.3	51.77	-	-	74	-22.23	141	398	V
3	2.39	43.84	RMS	31.9	-34.3	41.44	54	-12.56	-	-	141	398	V

Pk - Peak detector

RMS - RMS detection

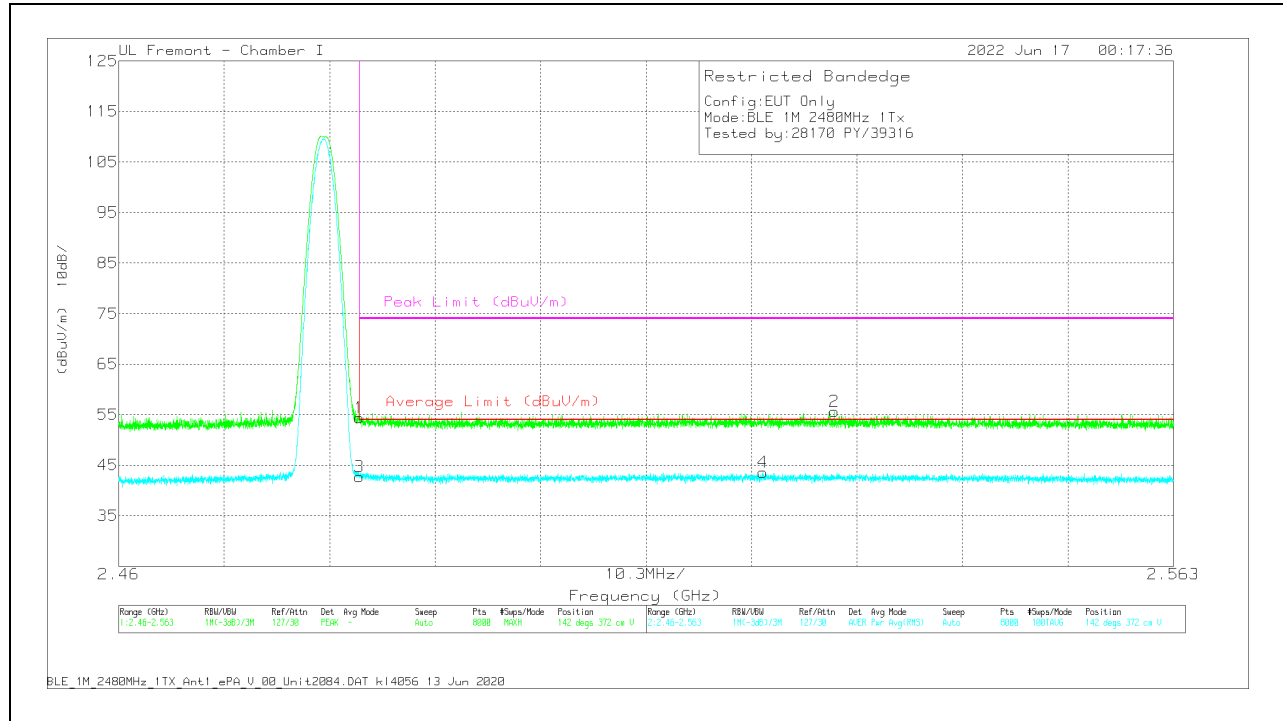
BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cb/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	2.4835	54.59	Pk	32.6	-34.3	52.89	-	-	74	-21.11	199	102	H
3	2.4835	44.31	RMS	32.6	-34.3	42.61	54	-11.39	-	-	199	102	H
4	2.483513	45.29	RMS	32.6	-34.3	43.59	54	-10.41	-	-	199	102	H
2	2.496815	57	Pk	32.7	-34.2	55.5	-	-	74	-18.5	199	102	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



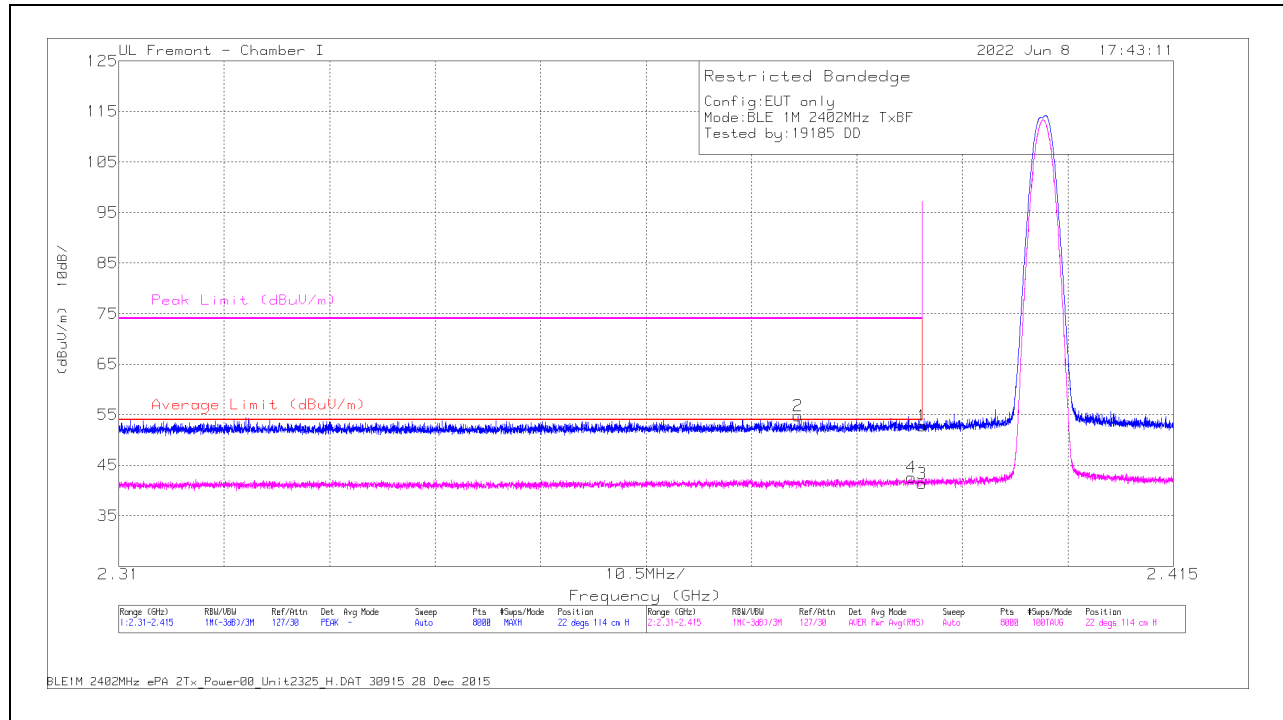
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1	2.4835	56.06	Pk	32.6	-34.3	54.36	-	-	74	-19.64	142	372	V
3	2.4835	44.43	RMS	32.6	-34.3	42.73	54	-11.27	-	-	142	372	V
4	2.522891	44.86	RMS	32.8	-34.1	43.56	54	-10.44	-	-	142	372	V
2	2.529871	57	Pk	32.7	-34.1	55.6	-	-	74	-18.4	142	372	V

Pk - Peak detector
RMS - RMS detection

10.2.2. HIGH POWER BLE TXBF (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



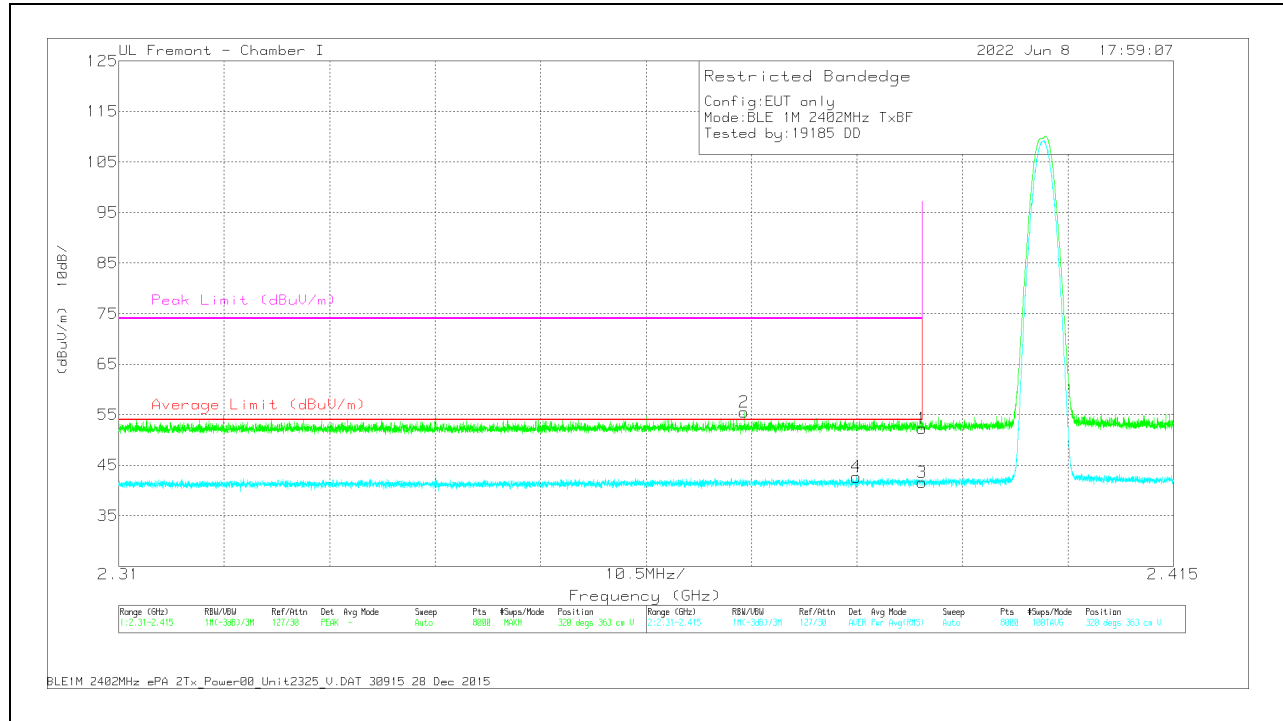
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1	* 2.39	56.71	Pk	31.9	-35.8	52.81	-	-	74	-21.19	22	114	H
2	* 2.377617	58.61	Pk	31.9	-35.8	54.71	-	-	74	-19.29	22	114	H
3	* 2.39	45.31	RMS	31.9	-35.8	41.41	54	-12.59	-	-	22	114	H
4	* 2.38892	46.53	RMS	31.9	-35.8	42.63	54	-11.37	-	-	22	114	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

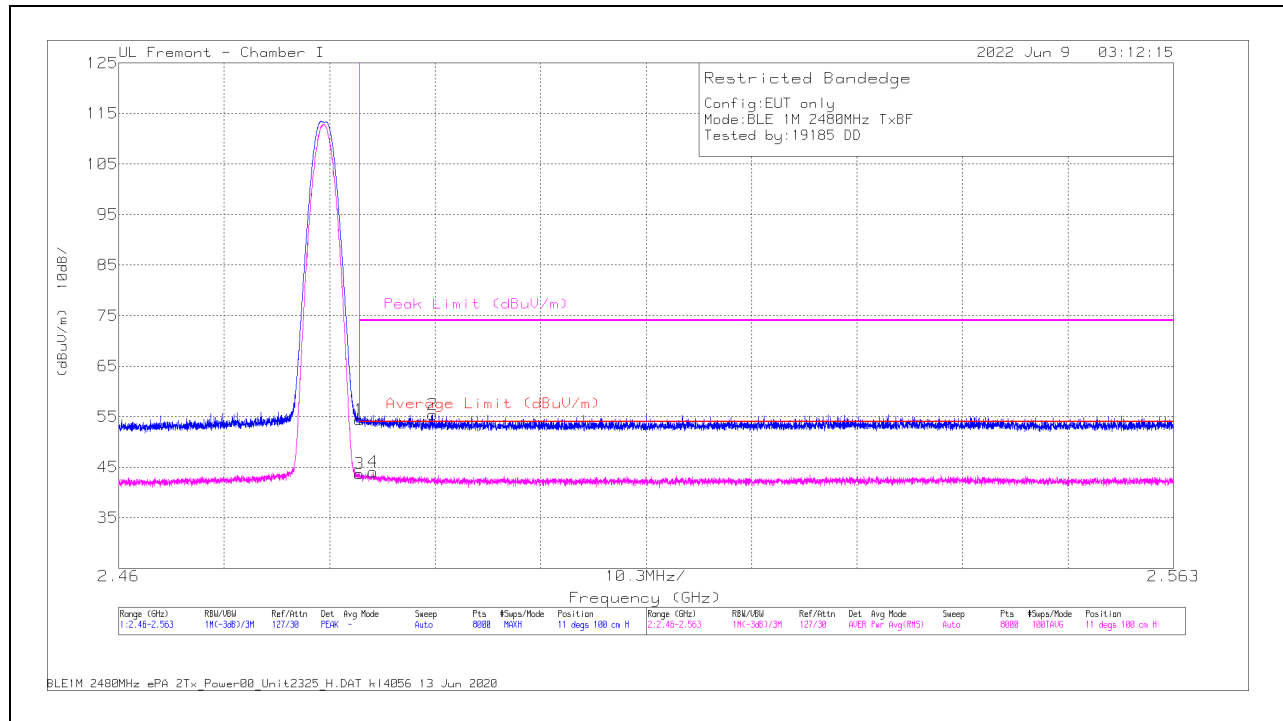


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/CbI/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.372248	59.42	Pk	31.9	-35.8	55.52	-	-	74	-18.48	320	363	V
4	* 2.383446	46.56	RMS	31.9	-35.8	42.66	54	-11.34	-	-	320	363	V
1	* 2.39	56.2	Pk	31.9	-35.8	52.3	-	-	74	-21.7	320	363	V
3	* 2.39	45.51	RMS	31.9	-35.8	41.61	54	-12.39	-	-	320	363	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

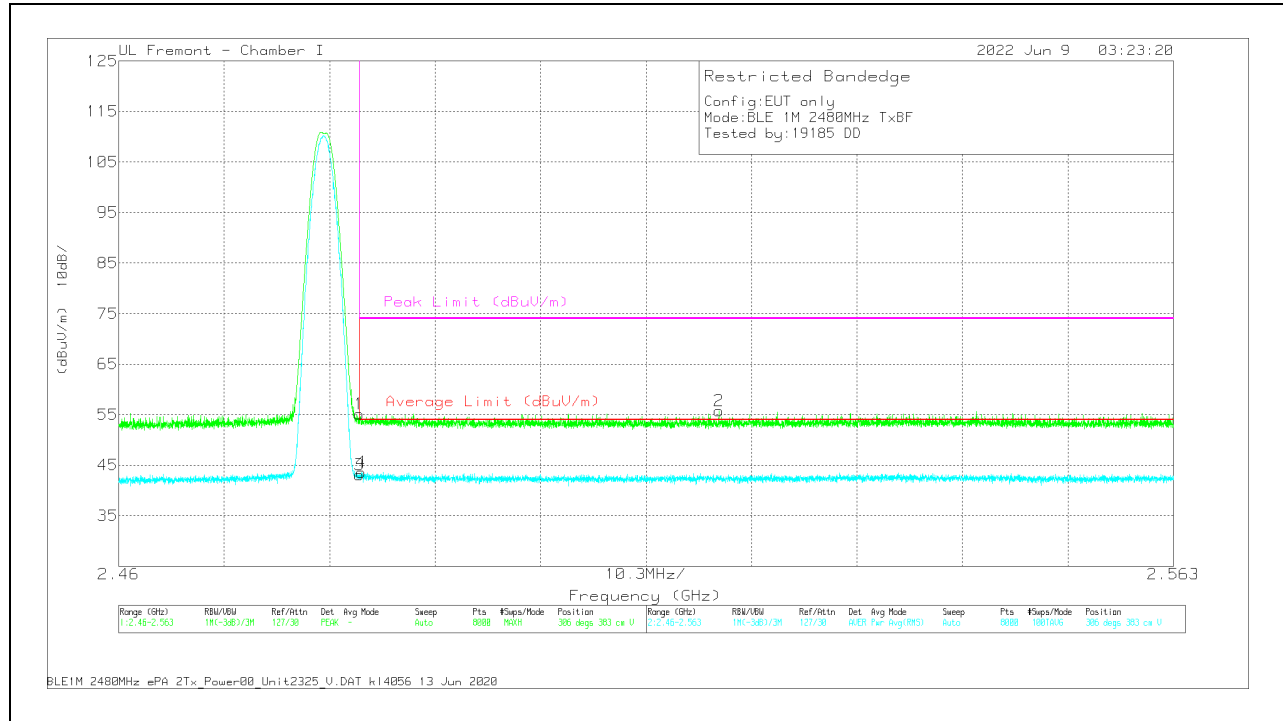
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	57.8	Pk	32.2	-35.6	54.4	-	-	74	-19.6	11	100	H
2	* 2.490673	58.54	Pk	32.3	-35.5	55.34	-	-	74	-18.66	11	100	H
3	* 2.4835	47.06	RMS	32.2	-35.6	43.66	54	-10.34	-	-	11	100	H
4	* 2.484865	47.39	RMS	32.2	-35.5	44.09	54	-9.91	-	-	11	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/CbI/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.52	Pk	32.2	-35.6	55.12	-	-	74	-18.88	306	383	V
3	* 2.4835	46.47	RMS	32.2	-35.6	43.07	54	-10.93	-	-	306	383	V
4	* 2.483681	47.04	RMS	32.2	-35.6	43.64	54	-10.36	-	-	306	383	V
2	2.518603	58.76	Pk	32.4	-35.4	55.76	-	-	74	-18.24	306	383	V

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

Pk - Peak detector

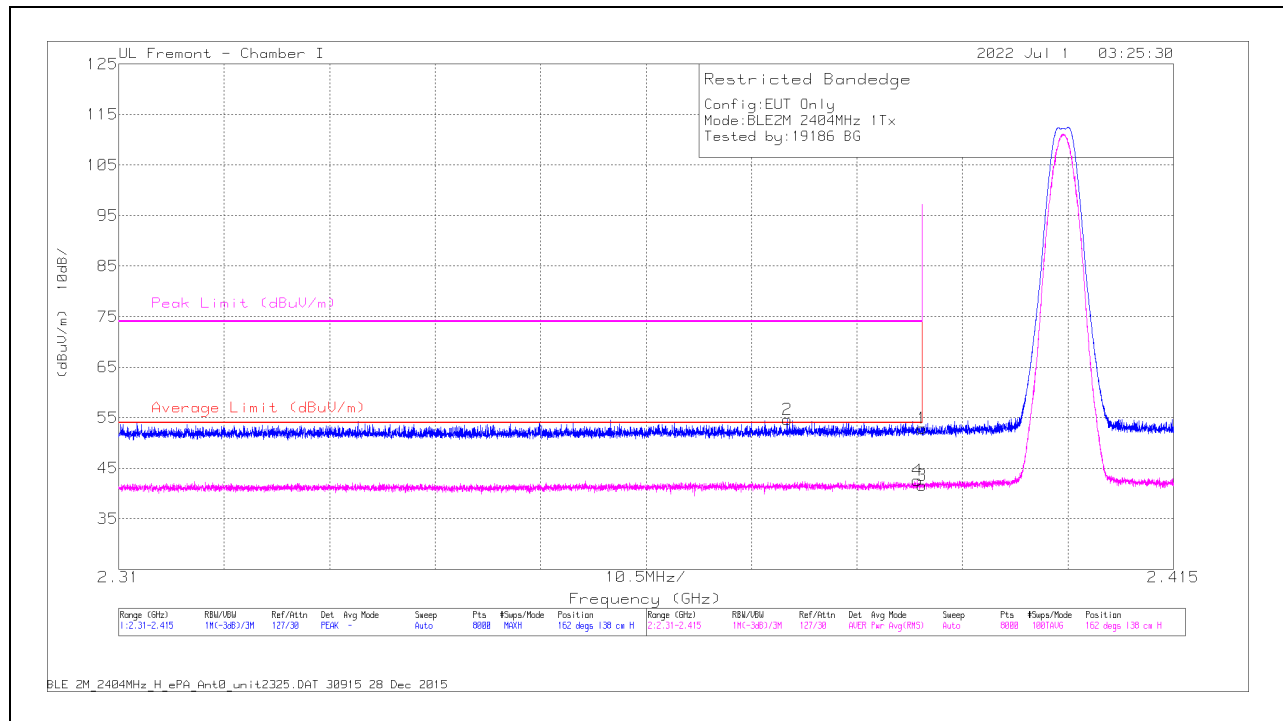
RMS - RMS detection

10.2.3. HIGH POWER BLE (2Mbps)

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



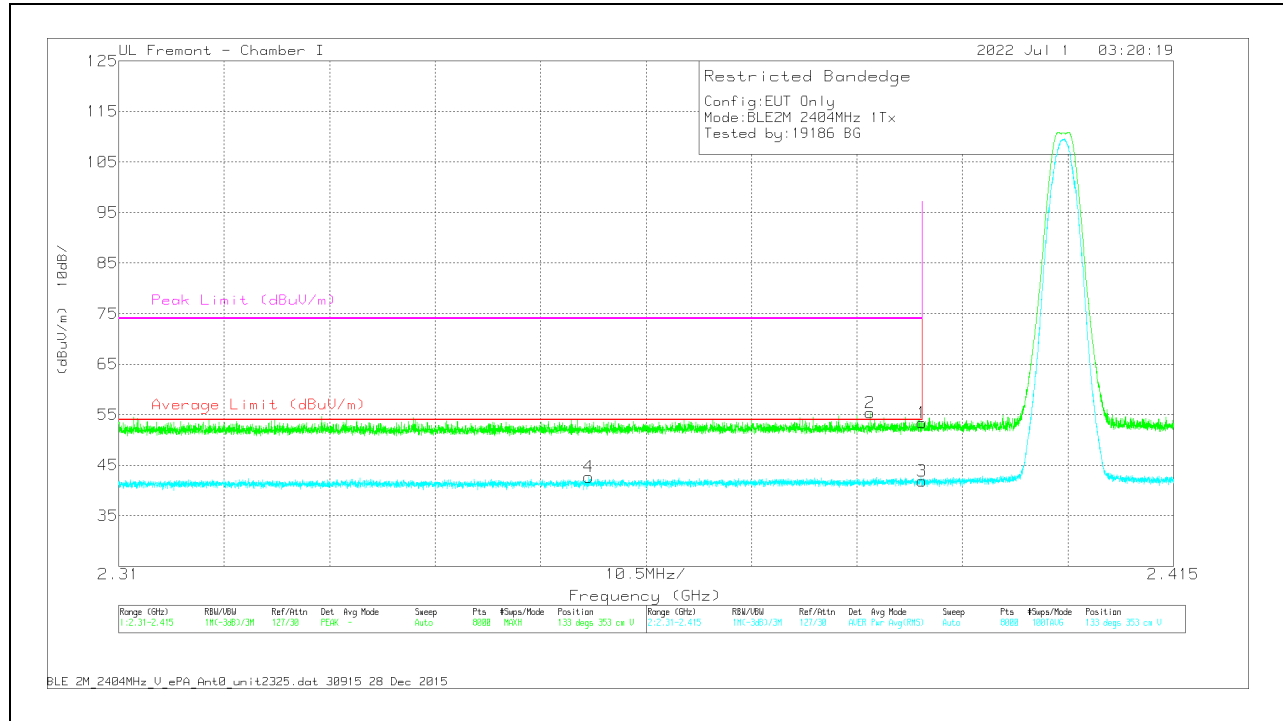
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.85	Pk	31.9	-35.8	52.95	-	-	74	-21.05	162	138	H
2	* 2.376541	58.54	Pk	31.9	-35.8	54.64	-	-	74	-19.36	162	138	H
3	* 2.39	45.55	RMS	31.9	-35.8	41.65	54	-12.35	-	-	162	138	H
4	* 2.38951	46.55	RMS	31.9	-35.8	42.65	54	-11.35	-	-	162	138	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

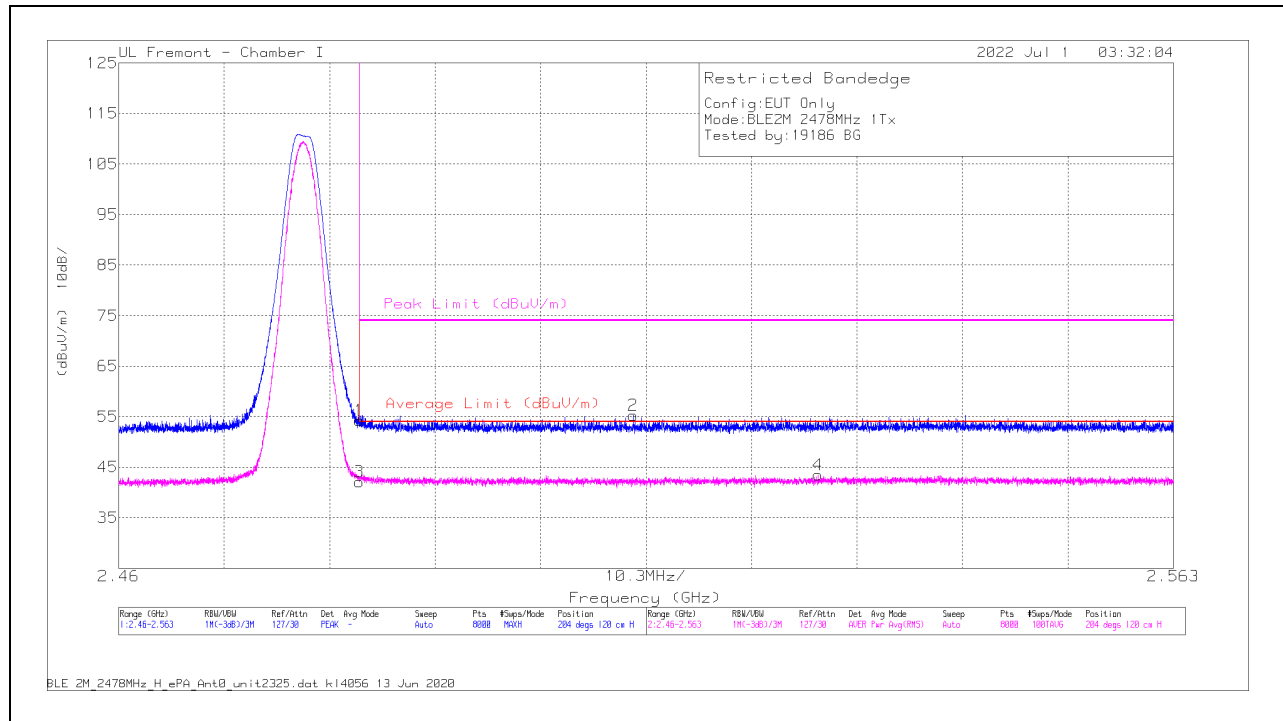


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.31	Pk	31.9	-35.8	53.41	-	-	74	-20.59	133	353	V
2	* 2.384785	59.3	Pk	31.9	-35.8	55.4	-	-	74	-18.6	133	353	V
3	* 2.39	45.72	RMS	31.9	-35.8	41.82	54	-12.18	-	-	133	353	V
4	* 2.356811	46.76	RMS	31.8	-35.9	42.66	54	-11.34	-	-	133	353	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

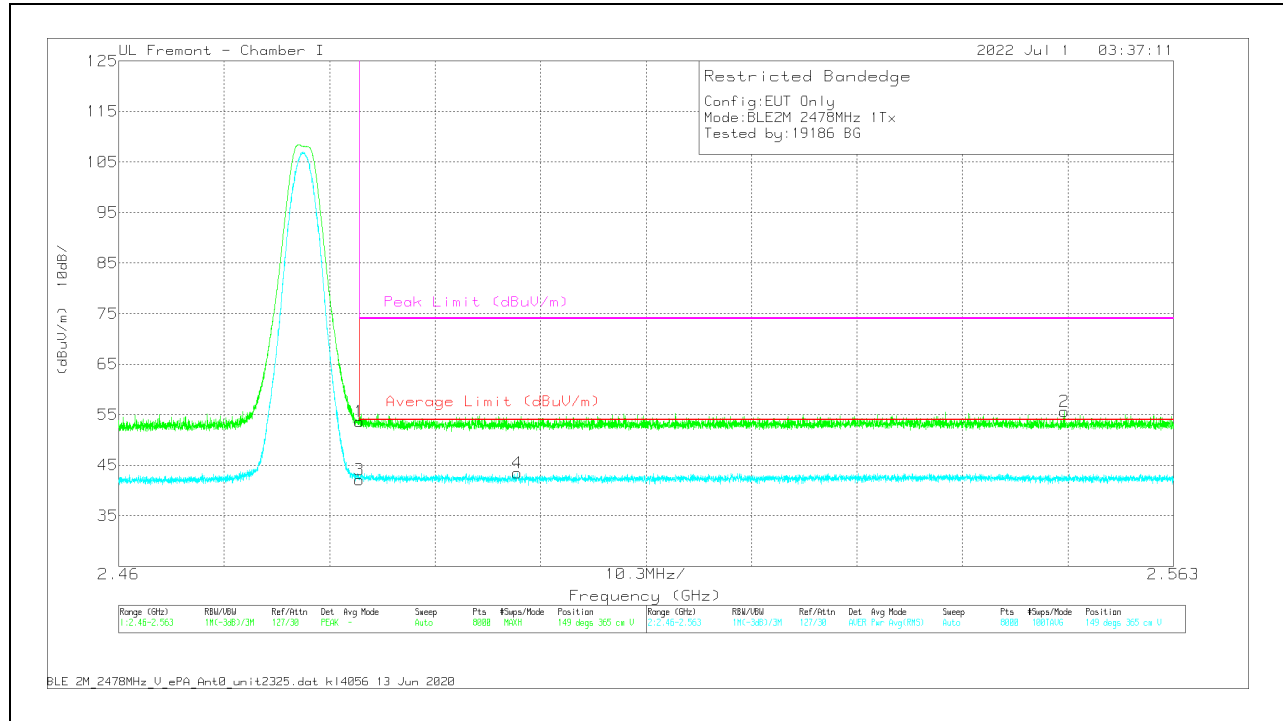
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	57.69	Pk	32.2	-35.6	54.29	-	-	74	-19.71	204	120	H
3	* 2.4835	45.49	RMS	32.2	-35.6	42.09	54	-11.91	-	-	204	120	H
2	2.510246	58.51	Pk	32.3	-35.5	55.31	-	-	74	-18.69	204	120	H
4	2.528287	46.47	RMS	32.4	-35.4	43.47	54	-10.53	-	-	204	120	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

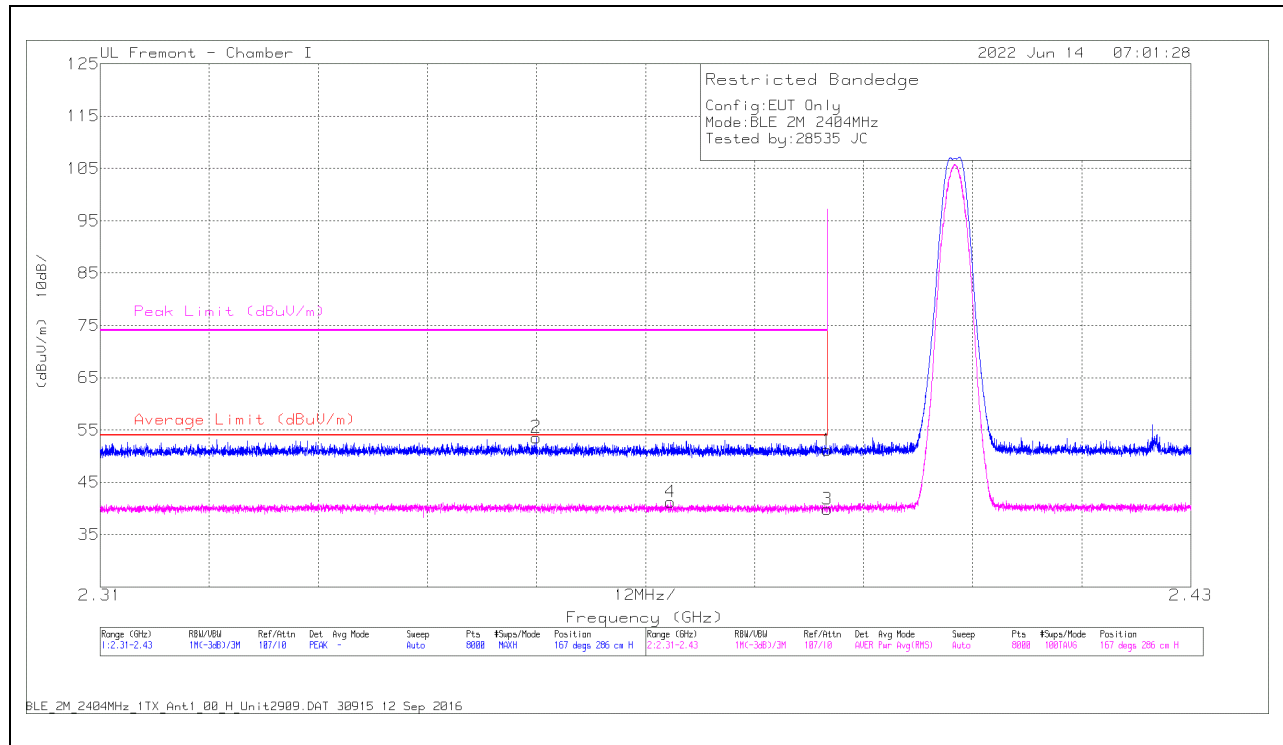


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	57.01	Pk	32.2	-35.6	53.61	-	-	74	-20.39	149	365	V
3	* 2.4835	45.45	RMS	32.2	-35.6	42.05	54	-11.95	-	-	149	365	V
4	* 2.498901	46.62	RMS	32.3	-35.5	43.42	54	-10.58	-	-	149	365	V
2	2.552367	58.63	Pk	32.3	-35.3	55.63	-	-	74	-18.37	149	365	V

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

Pk - Peak detector

RMS - RMS detection

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

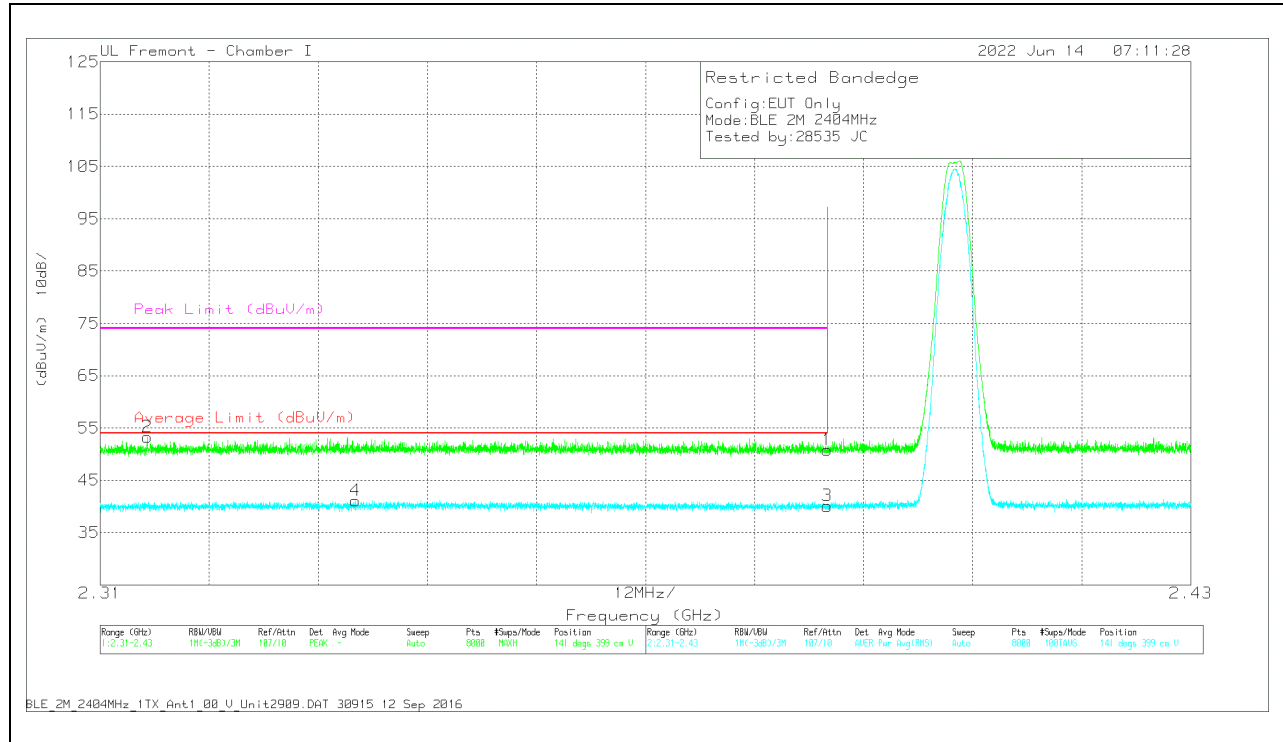
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	39.71	Pk	32.1	-20.7	51.11	-	-	74	-22.89	167	286	H
2	* 2357.961	42.08	Pk	32.3	-20.8	53.58	-	-	74	-20.42	167	286	H
3	* 2390	28.47	RMS	32.1	-20.7	39.87	54	-14.13	-	-	167	286	H
4	* 2372.738	29.82	RMS	32.2	-20.8	41.22	54	-12.78	-	-	167	286	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

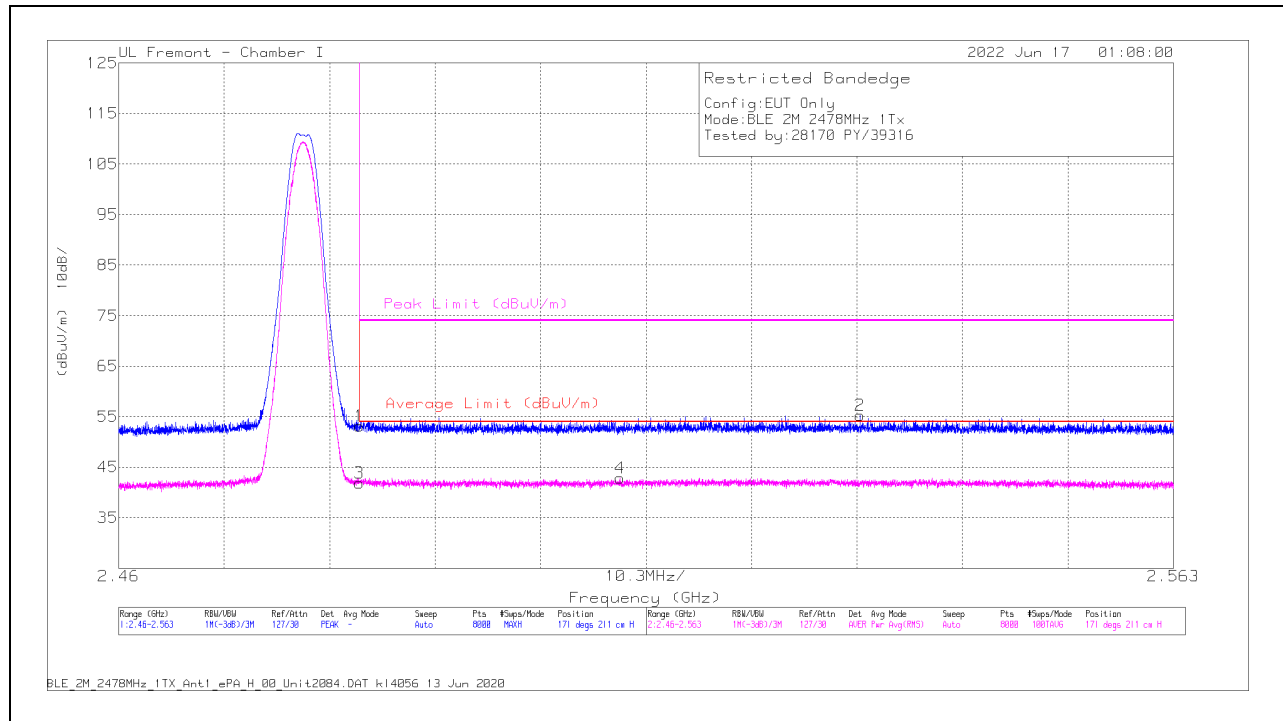


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	39.35	Pk	32.1	-20.7	50.75	-	-	74	-23.25	141	399	V
2	* 2315.191	42.08	Pk	32.1	-20.9	53.28	-	-	74	-20.72	141	399	V
3	* 2390	28.65	RMS	32.1	-20.7	40.05	54	-13.95	-	-	141	399	V
4	* 2338.054	29.7	RMS	32.3	-20.9	41.1	54	-12.9	-	-	141	399	V

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

Pk - Peak detector

RMS - RMS detection

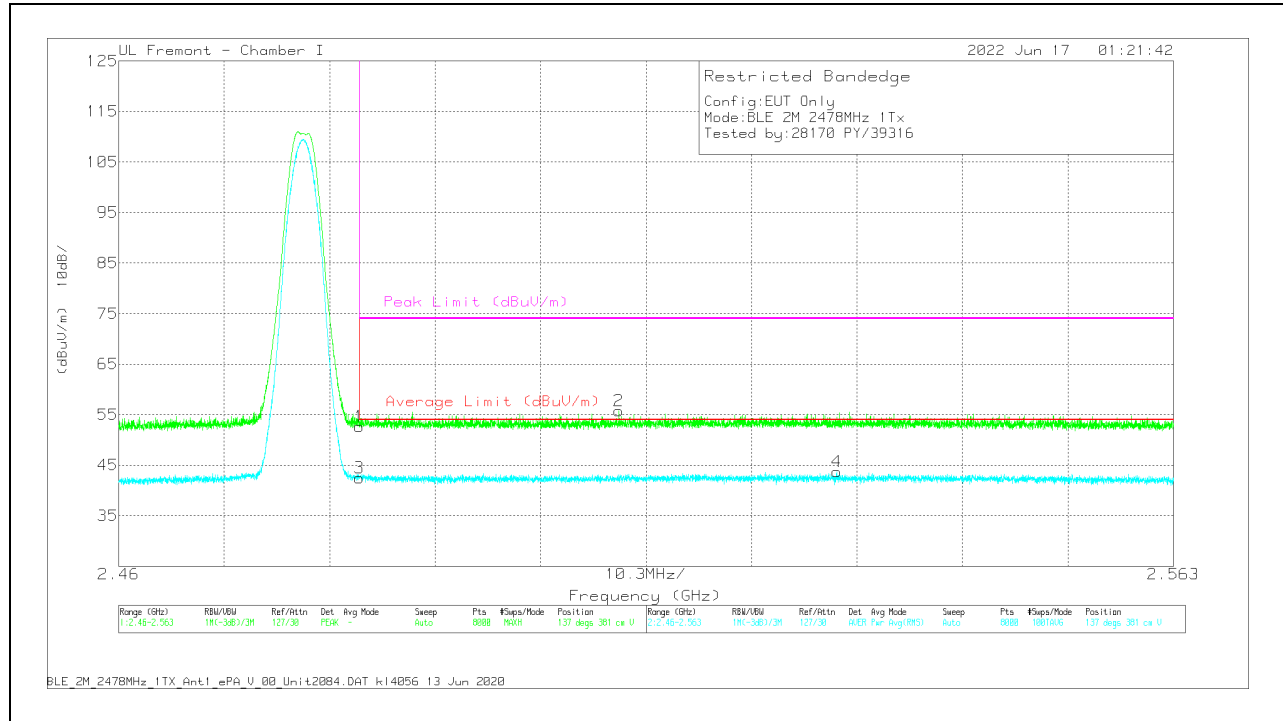
BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cb/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	2.4835	54.88	Pk	32.6	-34.3	53.18	-	-	74	-20.82	171	211	H
3	2.4835	43.54	RMS	32.6	-34.3	41.84	54	-12.16	-	-	171	211	H
4	2.508933	44.34	RMS	32.7	-34.2	42.84	54	-11.16	-	-	171	211	H
2	2.532394	56.78	Pk	32.7	-34.2	55.28	-	-	74	-18.72	171	211	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (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	2.4835	54.31	Pk	32.6	-34.3	52.61	-	-	74	-21.39	137	381	V
3	2.4835	44.13	RMS	32.6	-34.3	42.43	54	-11.57	-	-	137	381	V
2	2.508842	57.27	Pk	32.7	-34.2	55.77	-	-	74	-18.23	137	381	V
4	2.530128	45.06	RMS	32.7	-34.1	43.66	54	-10.34	-	-	137	381	V

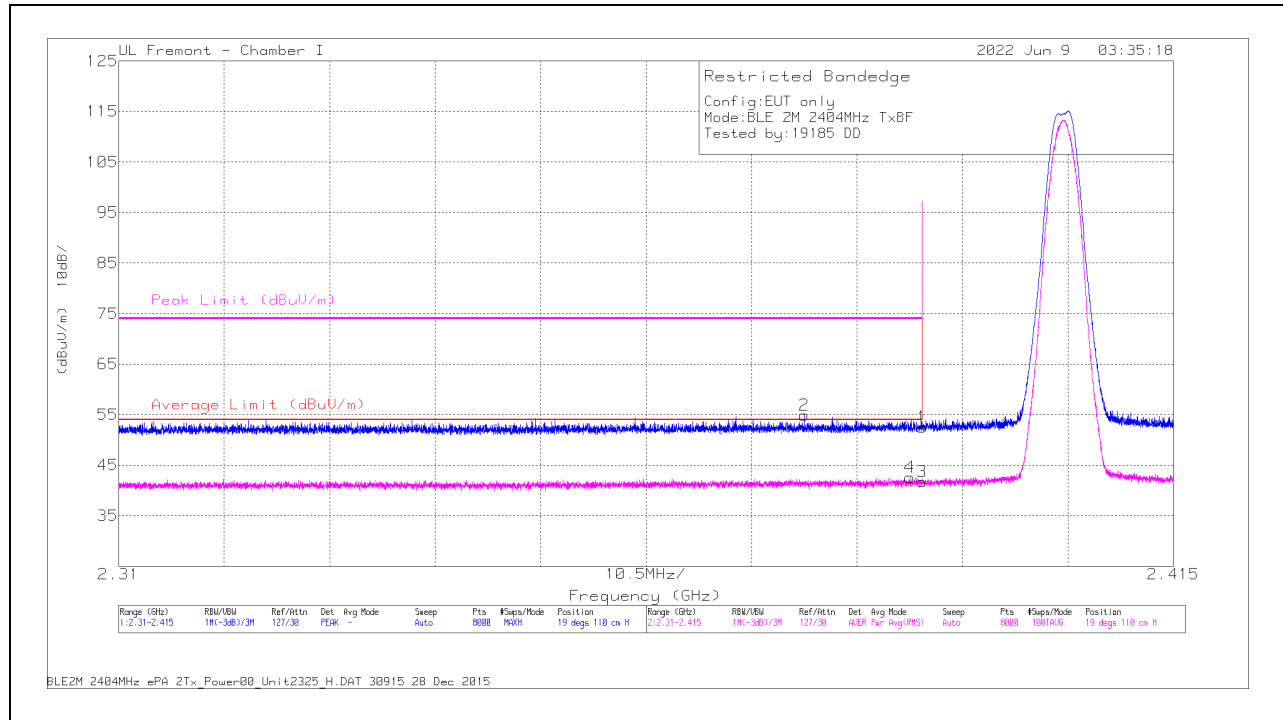
Pk - Peak detector

RMS - RMS detection

10.2.4. HIGH POWER BLE TXBF (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



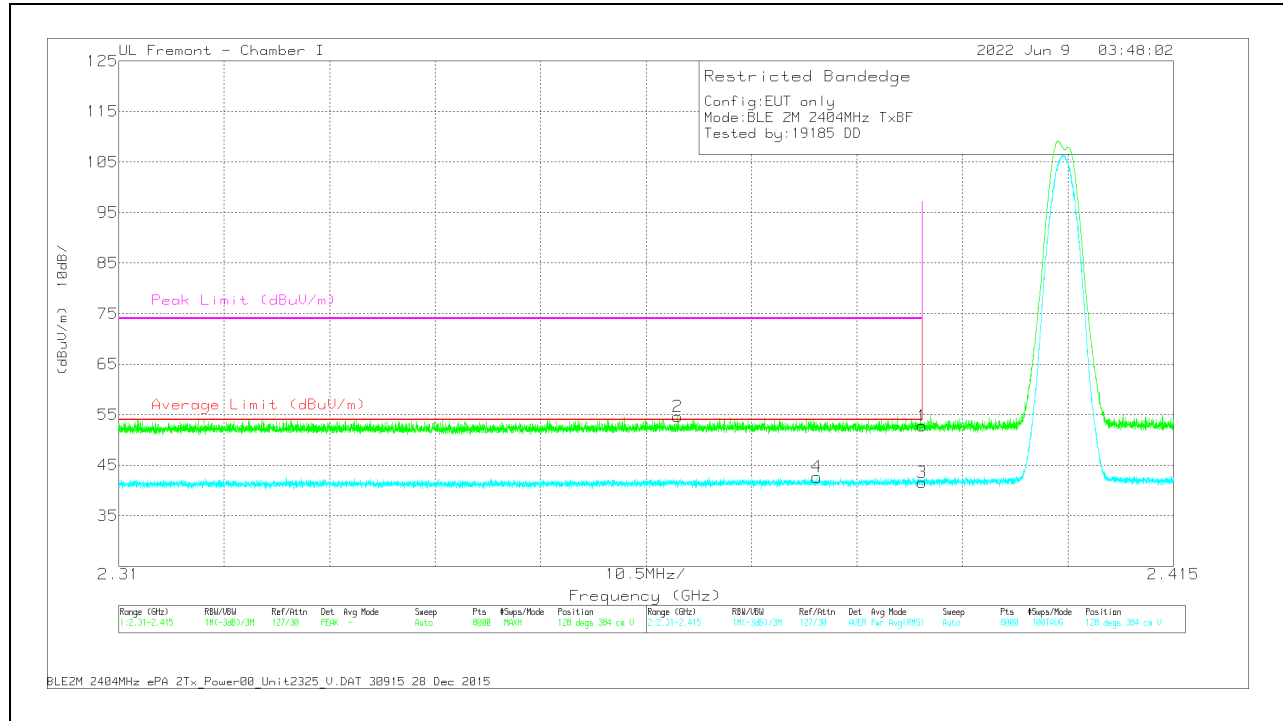
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.43	Pk	31.9	-35.8	52.53	-	-	74	-21.47	19	110	H
2	* 2.378247	58.75	Pk	31.9	-35.8	54.85	-	-	74	-19.15	19	110	H
3	* 2.39	45.62	RMS	31.9	-35.8	41.72	54	-12.28	-	-	19	110	H
4	* 2.388762	46.53	RMS	31.9	-35.8	42.63	54	-11.37	-	-	19	110	H

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

Pk - Peak detector

RMS - RMS detection

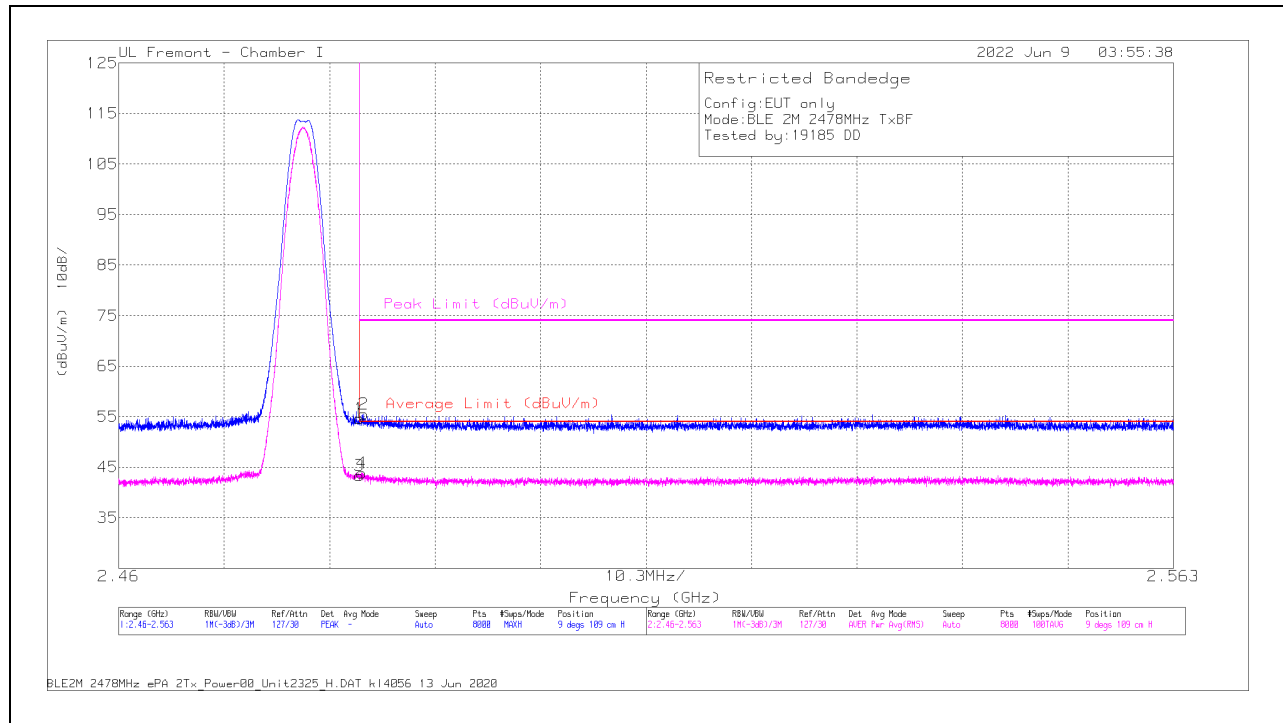
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	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	* 2.39	56.71	Pk	31.9	-35.8	52.81	-	-	74	-21.19	128	384	V
2	* 2.365658	58.66	Pk	31.8	-35.8	54.66	-	-	74	-19.34	128	384	V
3	* 2.39	45.54	RMS	31.9	-35.8	41.64	54	-12.36	-	-	128	384	V
4	* 2.379494	46.56	RMS	31.9	-35.8	42.66	54	-11.34	-	-	128	384	V

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

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

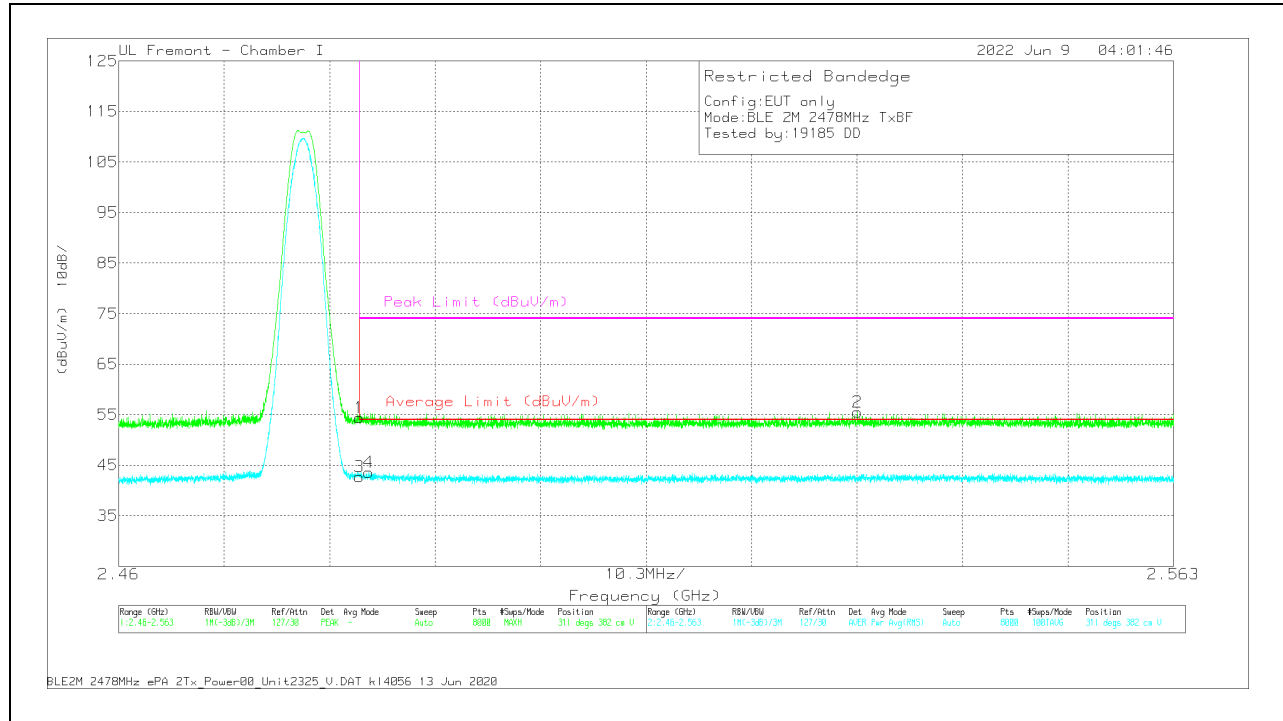
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.03	Pk	32.2	-35.6	54.63	-	-	74	-19.37	9	109	H
2	* 2.483925	58.89	Pk	32.2	-35.6	55.49	-	-	74	-18.51	9	109	H
3	* 2.4835	46.74	RMS	32.2	-35.6	43.34	54	-10.66	-	-	9	109	H
4	* 2.483719	47.29	RMS	32.2	-35.6	43.89	54	-10.11	-	-	9	109	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



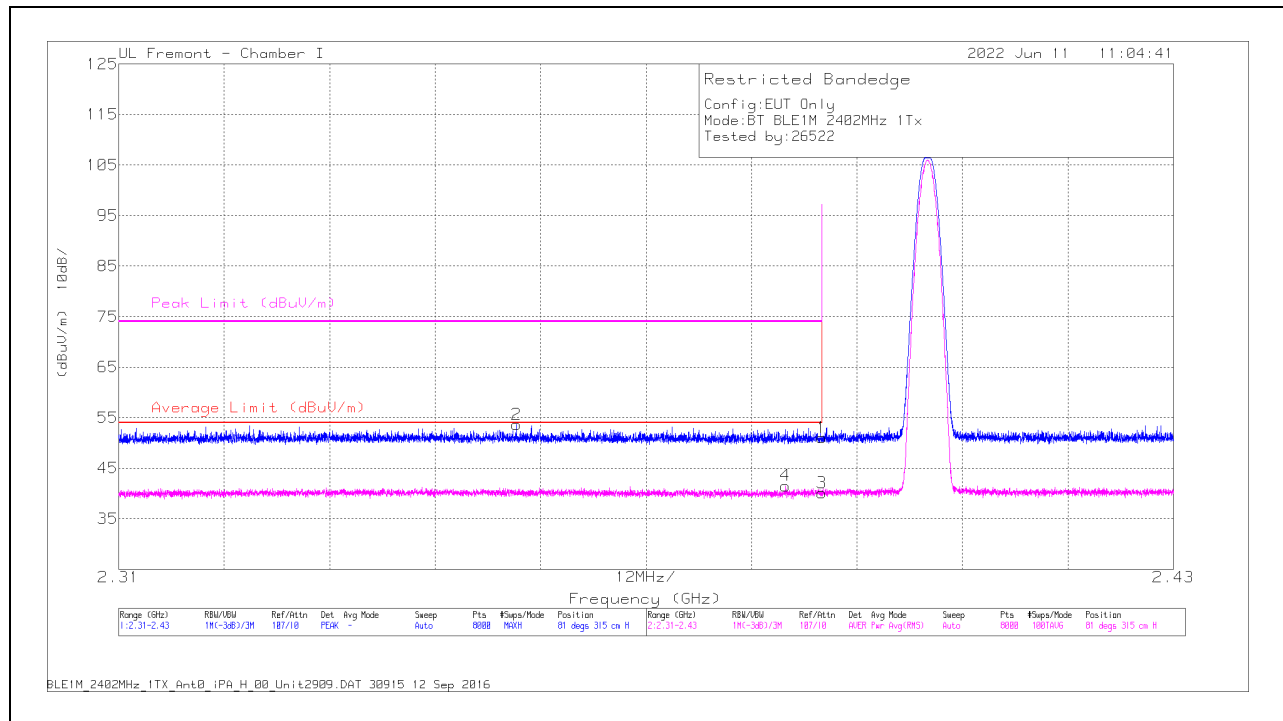
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	57.73	Pk	32.2	-35.6	54.33	-	-	74	-19.67	311	382	V
3	* 2.4835	46.12	RMS	32.2	-35.6	42.72	54	-11.28	-	-	311	382	V
4	* 2.484415	46.99	RMS	32.2	-35.6	43.59	54	-10.41	-	-	311	382	V
2	2.532163	58.45	Pk	32.4	-35.3	55.55	-	-	74	-18.45	311	382	V

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

Pk - Peak detector

RMS - RMS detection

10.2.5. LOW POWER BLE (1Mbps)

ANT 4**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

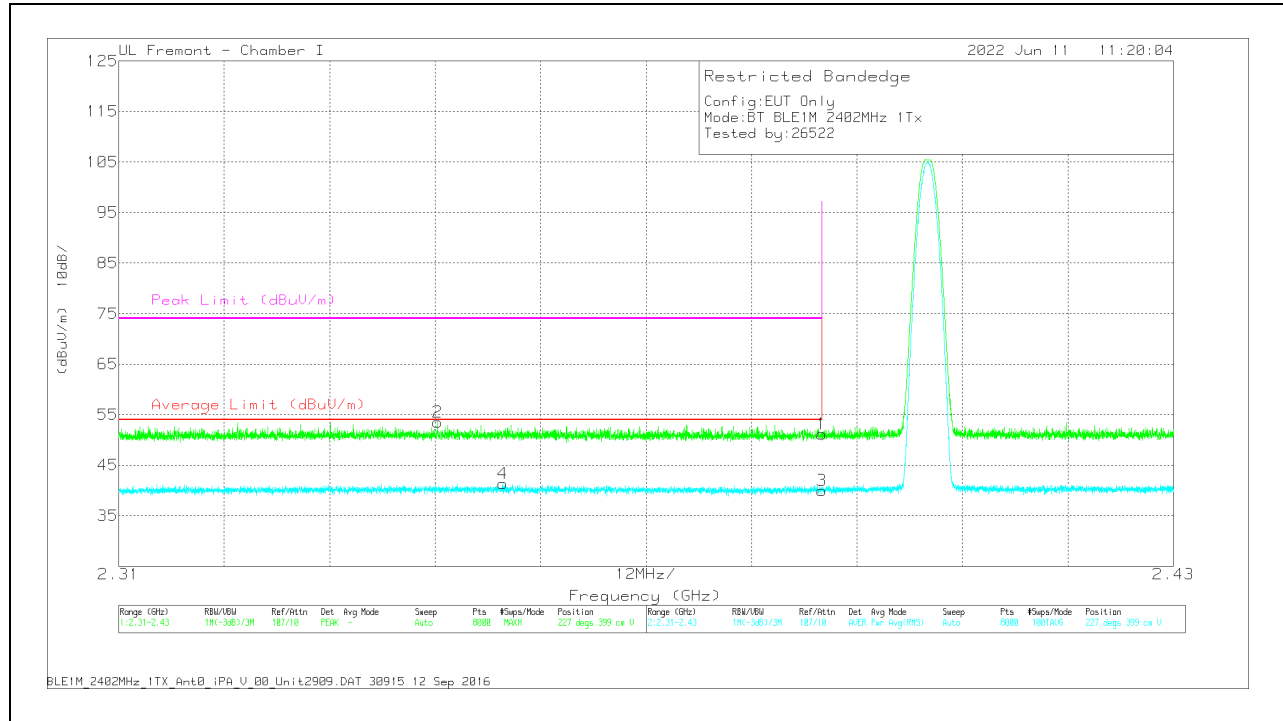
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	39.66	Pk	32.1	-20.7	51.06	-	-	74	-22.94	81	315	H
2	* 2355.261	42.26	Pk	32.3	-20.9	53.66	-	-	74	-20.34	81	315	H
3	* 2390	28.71	RMS	32.1	-20.7	40.11	54	-13.89	-	-	81	315	H
4	* 2385.85	30.24	RMS	32.1	-20.8	41.54	54	-12.46	-	-	81	315	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

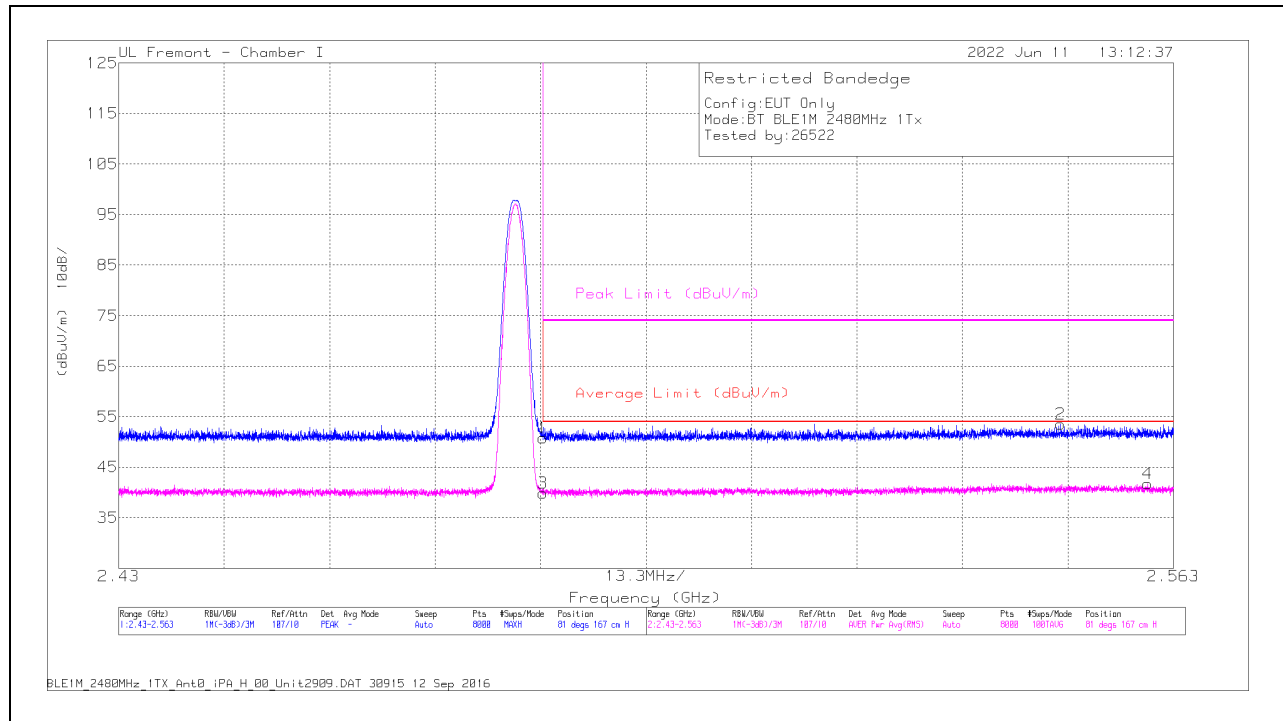


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	39.76	Pk	32.1	-20.7	51.16	-	-	74	-22.84	227	399	V
2	* 2346.275	42.02	Pk	32.3	-20.8	53.52	-	-	74	-20.48	227	399	V
3	* 2390	28.53	RMS	32.1	-20.7	39.93	54	-14.07	-	-	227	399	V
4	* 2353.671	29.92	RMS	32.3	-20.9	41.32	54	-12.68	-	-	227	399	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

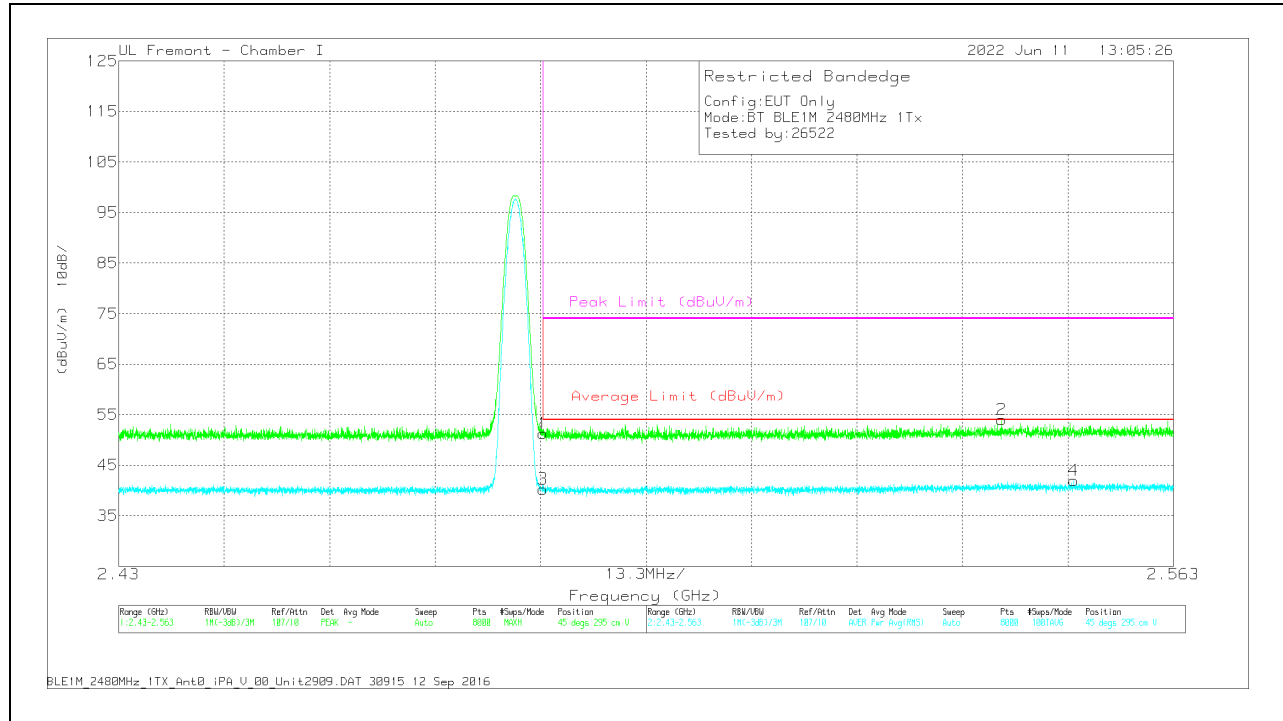
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	39.48	Pk	32	-20.7	50.78	-	-	74	-23.22	81	167	H
3	* 2483.5	28.62	RMS	32	-20.7	39.92	54	-14.08	-	-	81	167	H
2	2548.8	41.66	Pk	32.4	-20.5	53.56	-	-	74	-20.44	81	167	H
4	2559.757	29.86	RMS	32.4	-20.5	41.76	54	-12.24	-	-	81	167	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

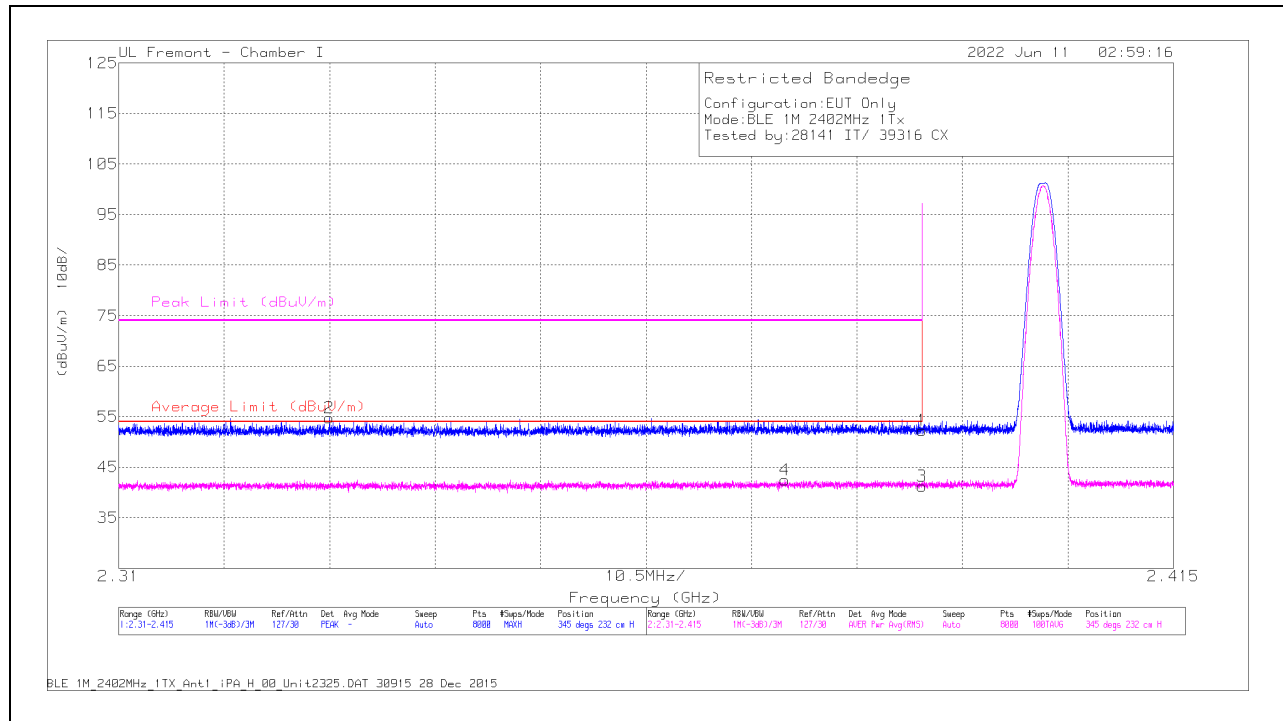


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	39.98	Pk	32	-20.7	51.28	-	-	74	-22.72	45	295	V
3	* 2483.5	28.99	RMS	32	-20.7	40.29	54	-13.71	-	-	45	295	V
2	2541.318	42.02	Pk	32.4	-20.4	54.02	-	-	74	-19.98	45	295	V
4	2550.429	29.97	RMS	32.5	-20.5	41.97	54	-12.03	-	-	45	295	V

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

Pk - Peak detector

RMS - RMS detection

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

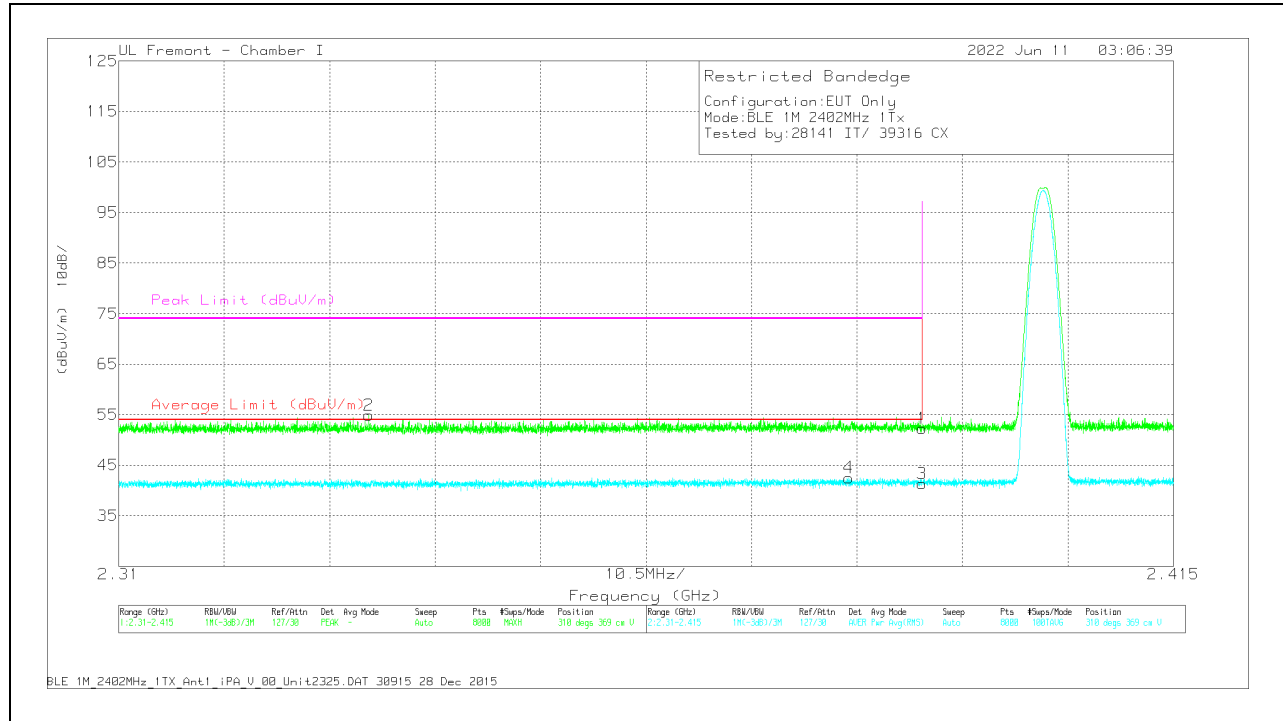
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.22	Pk	31.9	-35.8	52.32	-	-	74	-21.68	345	232	H
2	* 2.330964	58.84	Pk	31.8	-35.9	54.74	-	-	74	-19.26	345	232	H
3	* 2.39	45.16	RMS	31.9	-35.8	41.26	54	-12.74	-	-	345	232	H
4	* 2.376344	46.37	RMS	31.9	-35.8	42.47	54	-11.53	-	-	345	232	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

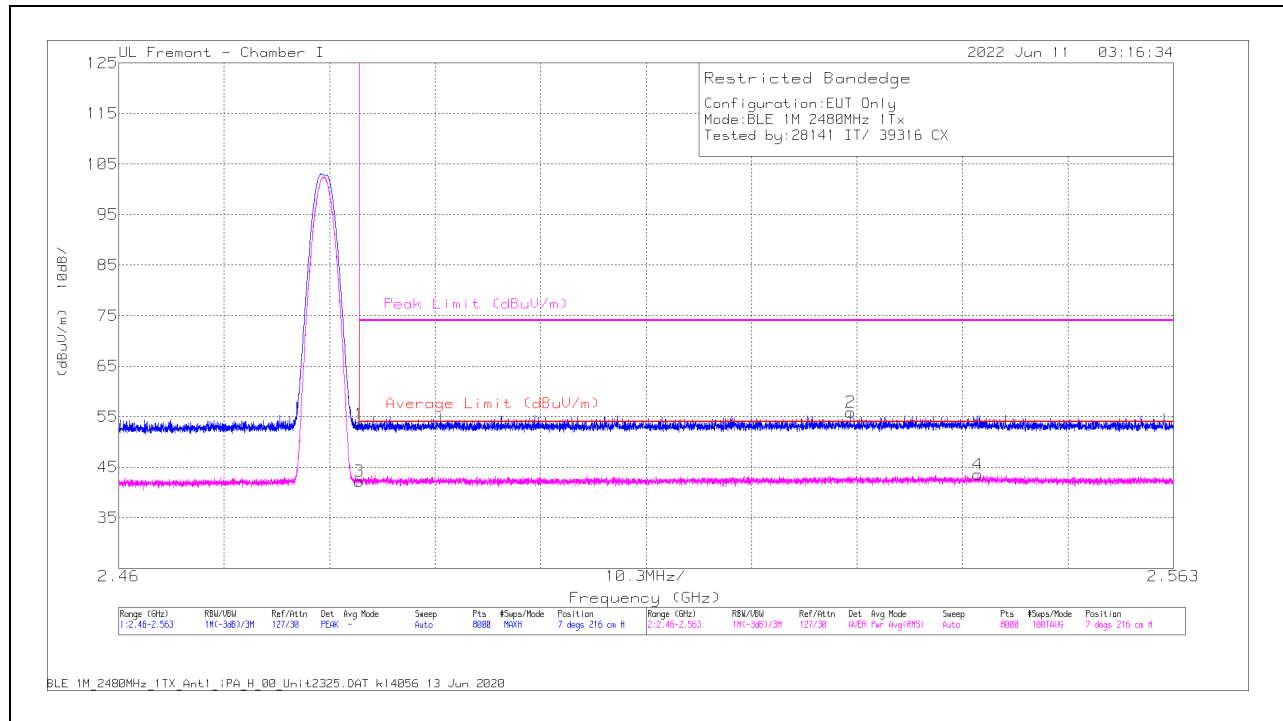


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.23	Pk	31.9	-35.8	52.33	-	-	74	-21.67	310	369	V
2	* 2.334902	59.01	Pk	31.8	-35.9	54.91	-	-	74	-19.09	310	369	V
3	* 2.39	45.22	RMS	31.9	-35.8	41.32	54	-12.68	-	-	310	369	V
4	* 2.382658	46.33	RMS	32	-35.8	42.53	54	-11.47	-	-	310	369	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

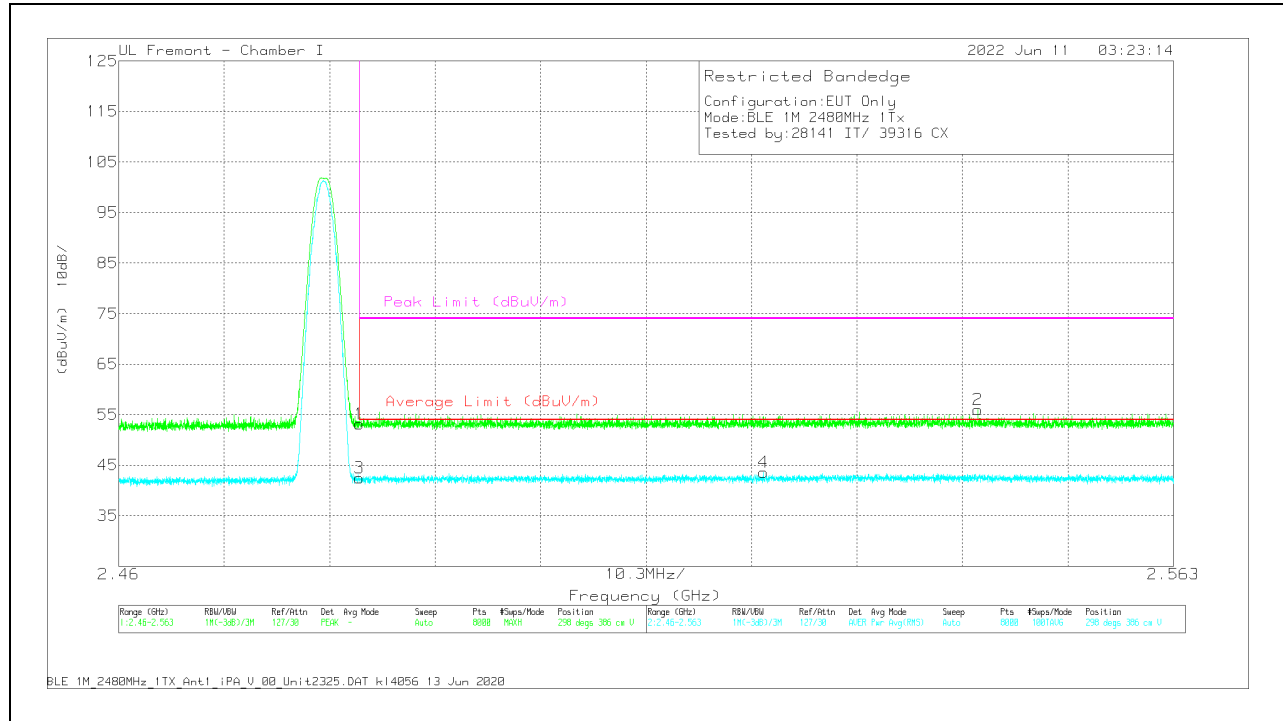
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	56.97	Pk	32.2	-35.6	53.57	-	-	74	-20.43	7	216	H
3	* 2.4835	45.61	RMS	32.2	-35.6	42.21	54	-11.79	-	-	7	216	H
2	2.531493	58.79	Pk	32.4	-35.3	55.89	-	-	74	-18.11	7	216	H
4	2.543894	46.57	RMS	32.3	-35.3	43.57	54	-10.43	-	-	7	216	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	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	* 2.4835	56.51	Pk	32.2	-35.6	53.11	-	-	74	-20.89	298	386	V
3	* 2.4835	45.87	RMS	32.2	-35.6	42.47	54	-11.53	-	-	298	386	V
4	2.522981	46.56	RMS	32.4	-35.4	43.56	54	-10.44	-	-	298	386	V
2	2.543894	58.99	Pk	32.3	-35.3	55.99	-	-	74	-18.01	298	386	V

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

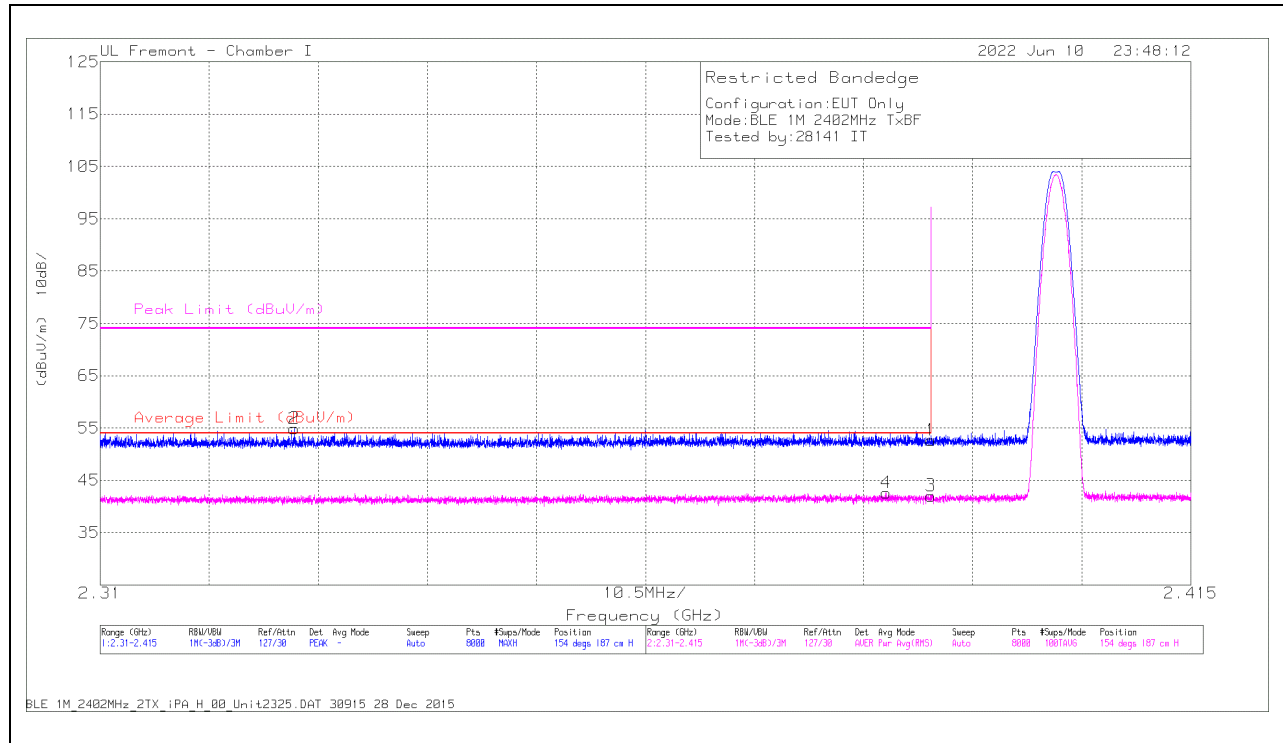
Pk - Peak detector

RMS - RMS detection

10.2.6. LOW POWER BLE TXBF (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



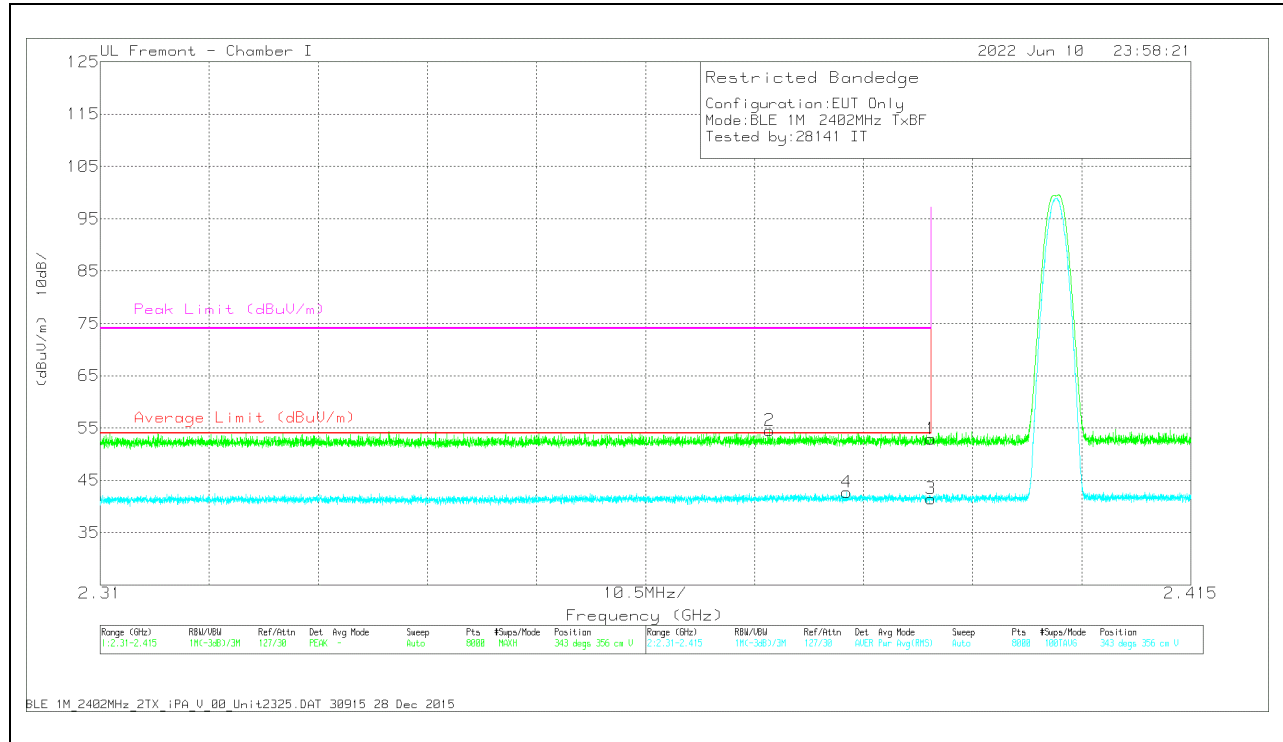
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.56	PK	31.9	-35.8	52.66	-	-	74	-21.34	154	187	H
2	* 2.32868	58.93	PK	31.8	-35.9	54.83	-	-	74	-19.17	154	187	H
3	* 2.39	45.93	RMS	31.9	-35.8	42.03	54	-11.97	-	-	154	187	H
4	* 2.385664	46.51	RMS	31.9	-35.8	42.61	54	-11.39	-	-	154	187	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

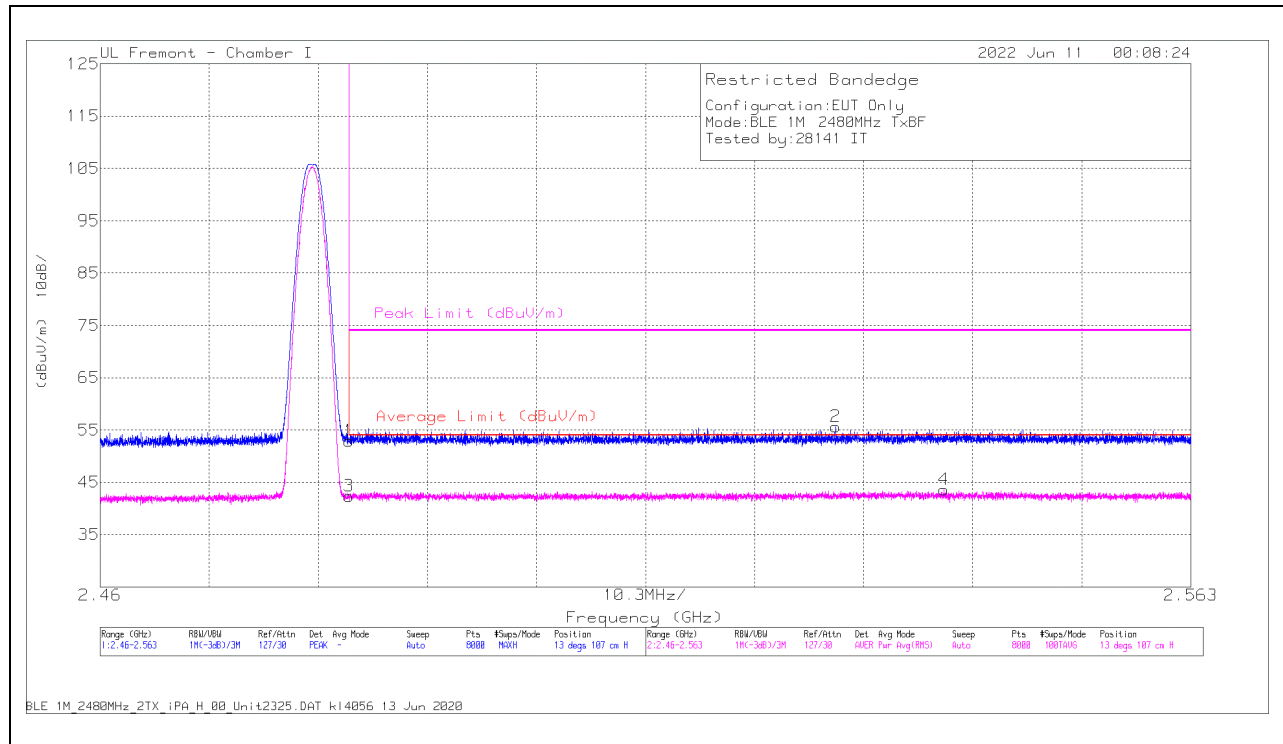


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.75	PK	31.9	-35.8	52.85	-	-	74	-21.15	343	356	V
2	* 2.374454	58.45	PK	31.9	-35.8	54.55	-	-	74	-19.45	343	356	V
3	* 2.39	45.39	RMS	31.9	-35.8	41.49	54	-12.51	-	-	343	356	V
4	* 2.38187	46.48	RMS	32	-35.8	42.68	54	-11.32	-	-	343	356	V

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

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

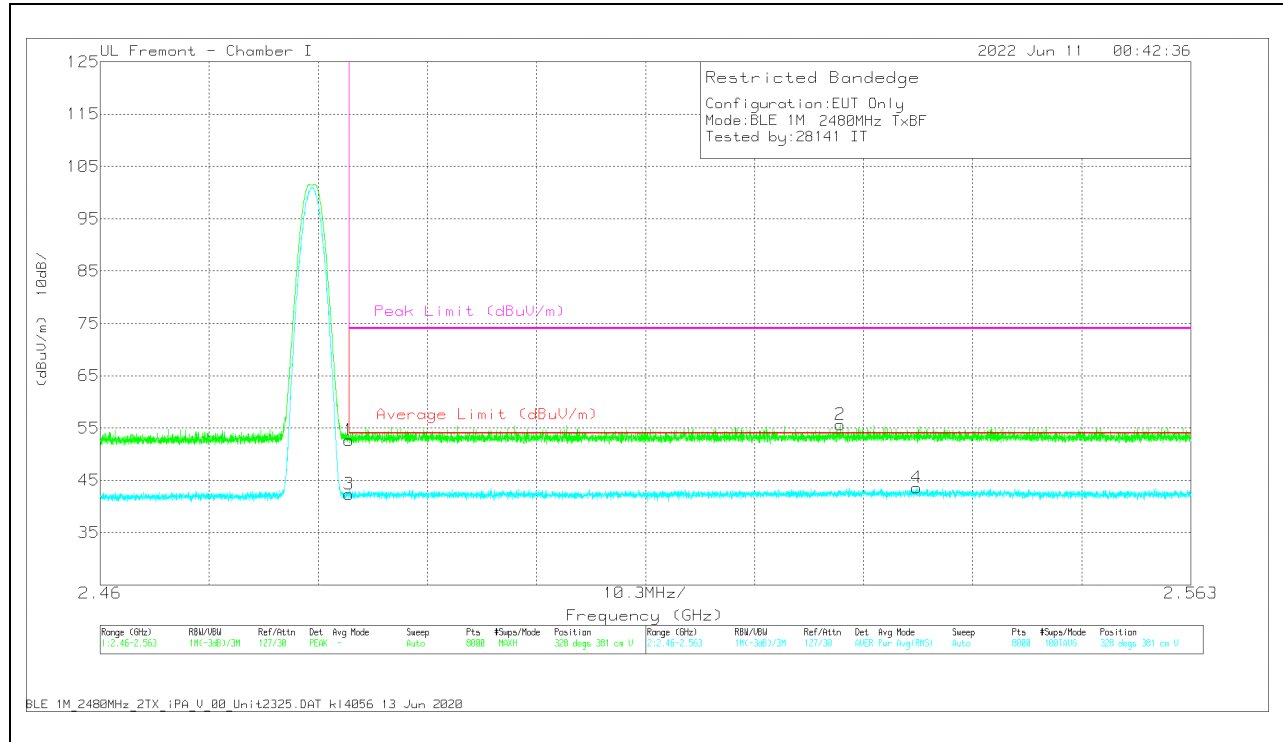
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	56.24	PK	32.2	-35.6	52.84	-	-	74	-21.16	13	107	H
3	* 2.4835	45.76	RMS	32.2	-35.6	42.36	54	-11.64	-	-	13	107	H
2	2.529471	58.58	PK	32.4	-35.3	55.68	-	-	74	-18.32	13	107	H
4	2.539709	46.45	RMS	32.4	-35.3	43.55	54	-10.45	-	-	13	107	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



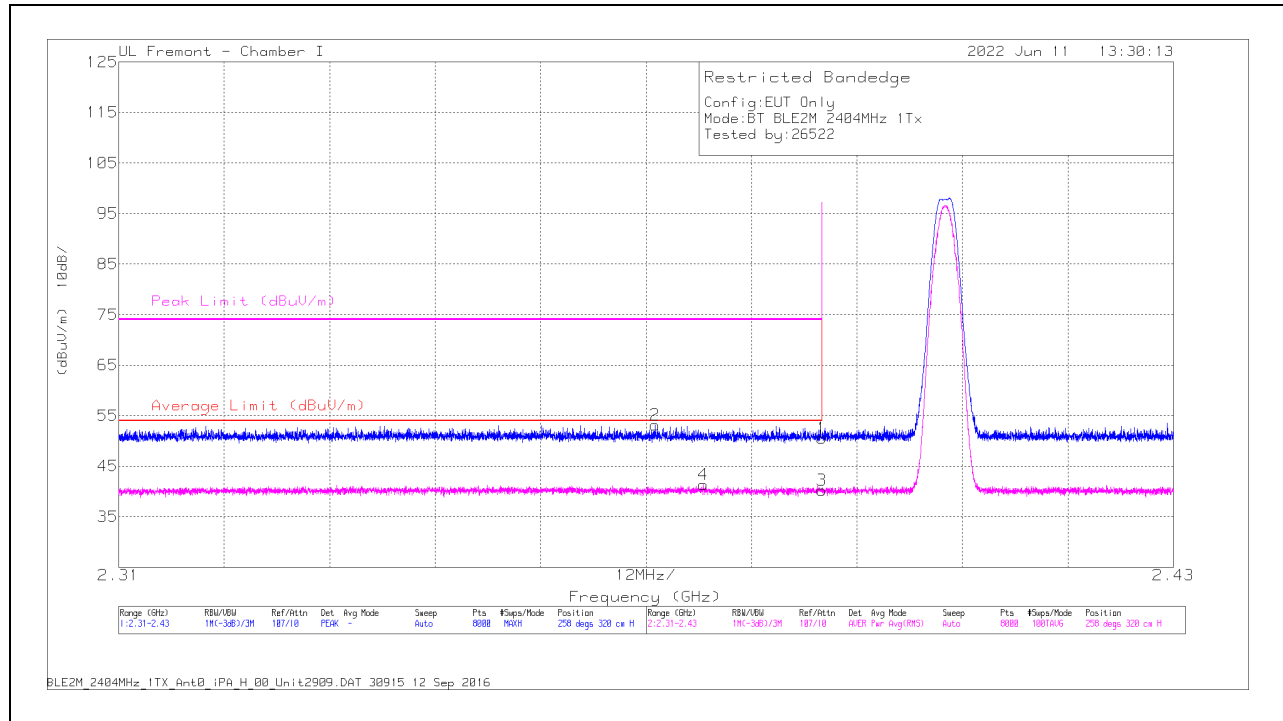
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	56.05	Pk	32.2	-35.6	52.65	-	-	74	-21.35	328	381	V
3	* 2.4835	45.76	RMS	32.2	-35.6	42.36	54	-11.64	-	-	328	381	V
2	2.529883	58.53	Pk	32.4	-35.3	55.63	-	-	74	-18.37	328	381	V
4	2.537082	46.47	RMS	32.4	-35.3	43.57	54	-10.43	-	-	328	381	V

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

Pk - Peak detector

RMS - RMS detection

10.2.7. LOW POWER BLE (2Mbps)

ANT 4**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

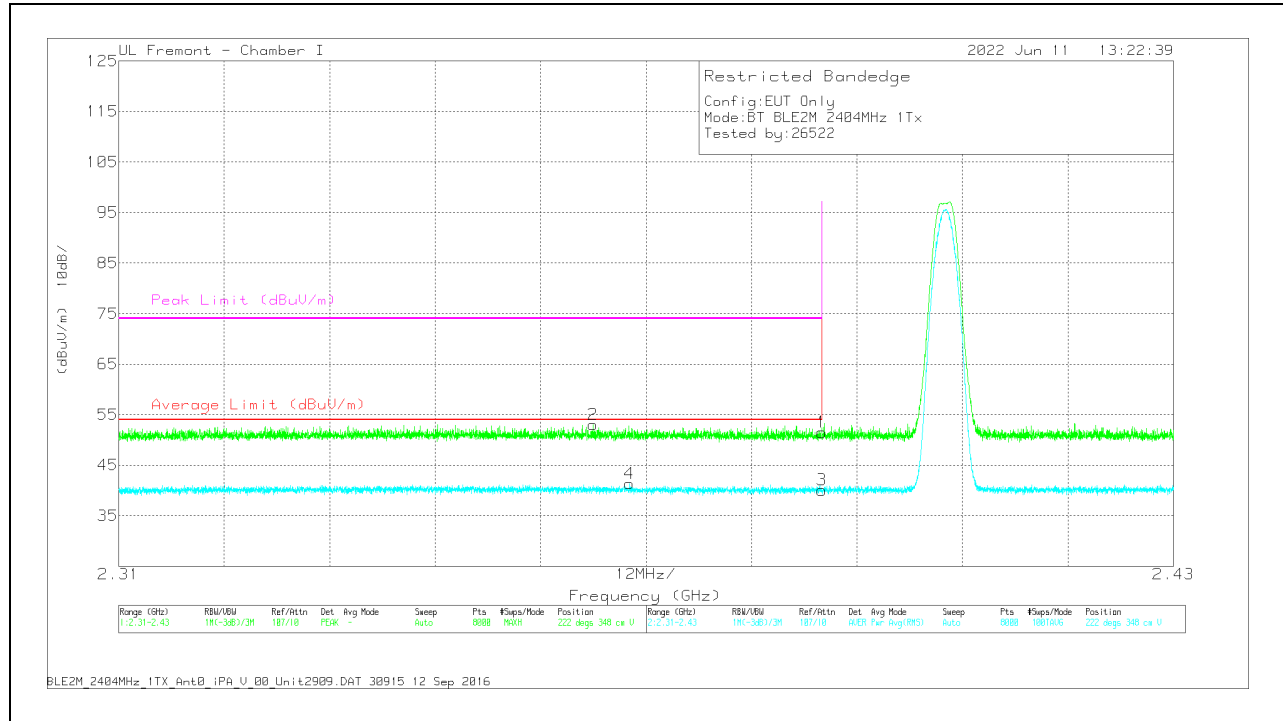
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	39.12	Pk	32.1	-20.7	50.52	-	-	74	-23.48	258	320	H
2	* 2371.013	41.78	Pk	32.2	-20.8	53.18	-	-	74	-20.82	258	320	H
3	* 2390	28.86	RMS	32.1	-20.7	40.26	54	-13.74	-	-	258	320	H
4	* 2376.489	29.83	RMS	32.2	-20.7	41.33	54	-12.67	-	-	258	320	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

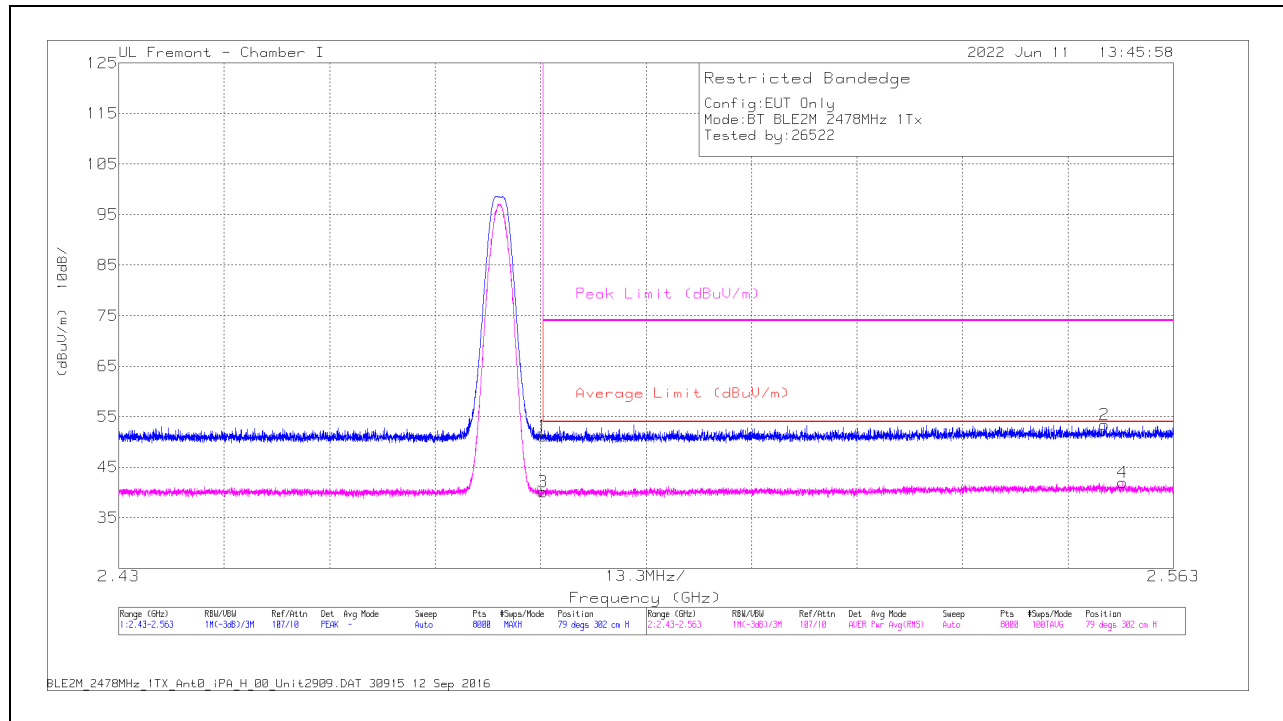


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	40.08	Pk	32.1	-20.7	51.48	-	-	74	-22.52	222	348	V
2	* 2363.977	41.49	Pk	32.3	-20.8	52.99	-	-	74	-21.01	222	348	V
3	* 2390	28.65	RMS	32.1	-20.7	40.05	54	-13.95	-	-	222	348	V
4	* 2368.088	29.91	RMS	32.2	-20.8	41.31	54	-12.69	-	-	222	348	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

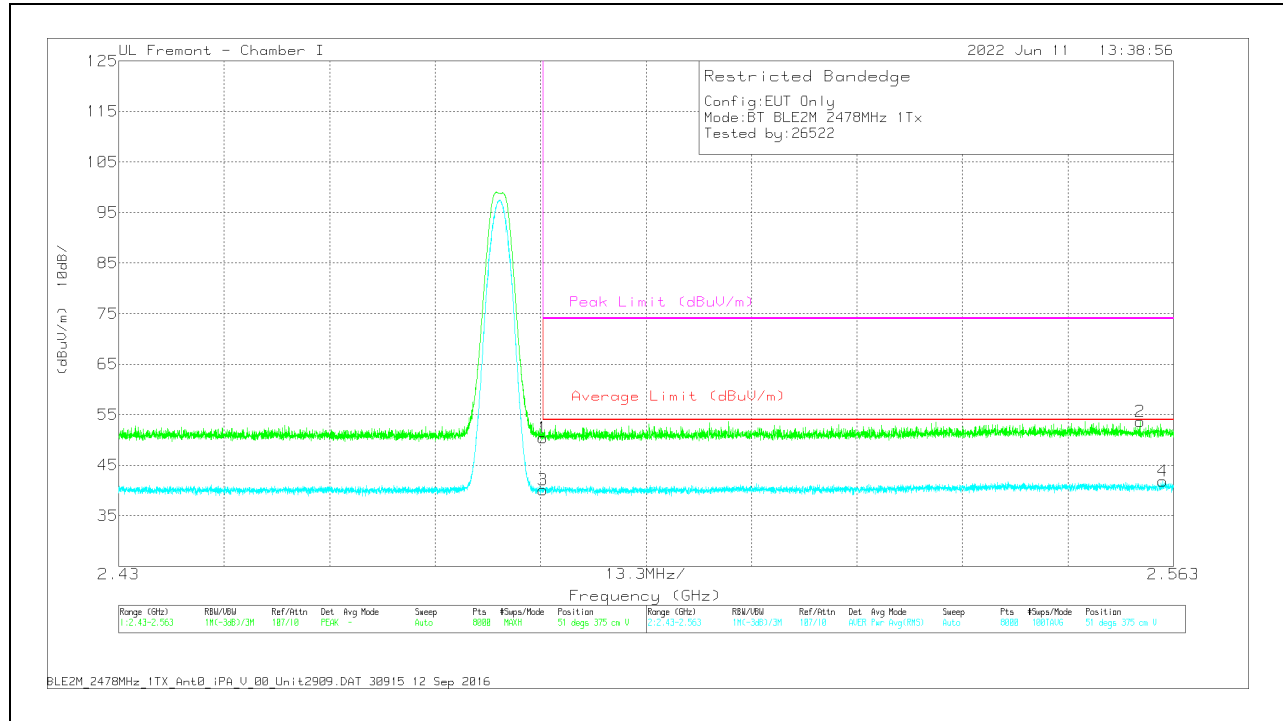
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	39.83	Pk	32	-20.7	51.13	-	-	74	-22.87	79	302	H
3	* 2483.5	28.81	RMS	32	-20.7	40.11	54	-13.89	-	-	79	302	H
2	2554.32	41.29	Pk	32.5	-20.4	53.39	-	-	74	-20.61	79	302	H
4	2556.615	29.93	RMS	32.5	-20.5	41.93	54	-12.07	-	-	79	302	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

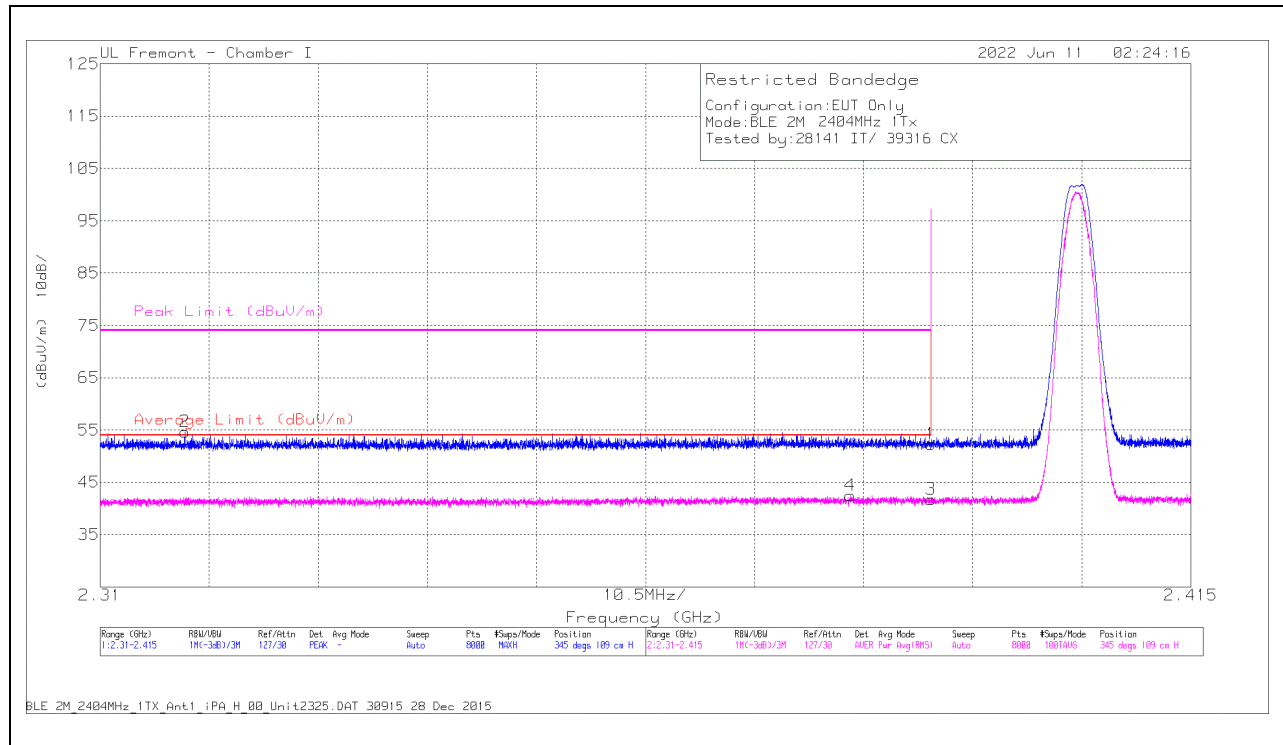


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	39.1	Pk	32	-20.7	50.4	-	-	74	-23.6	51	375	V
3	* 2483.5	28.78	RMS	32	-20.7	40.08	54	-13.92	-	-	51	375	V
2	2558.776	41.69	Pk	32.5	-20.5	53.69	-	-	74	-20.31	51	375	V
4	2561.686	29.94	RMS	32.4	-20.5	41.84	54	-12.16	-	-	51	375	V

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

Pk - Peak detector

RMS - RMS detection

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

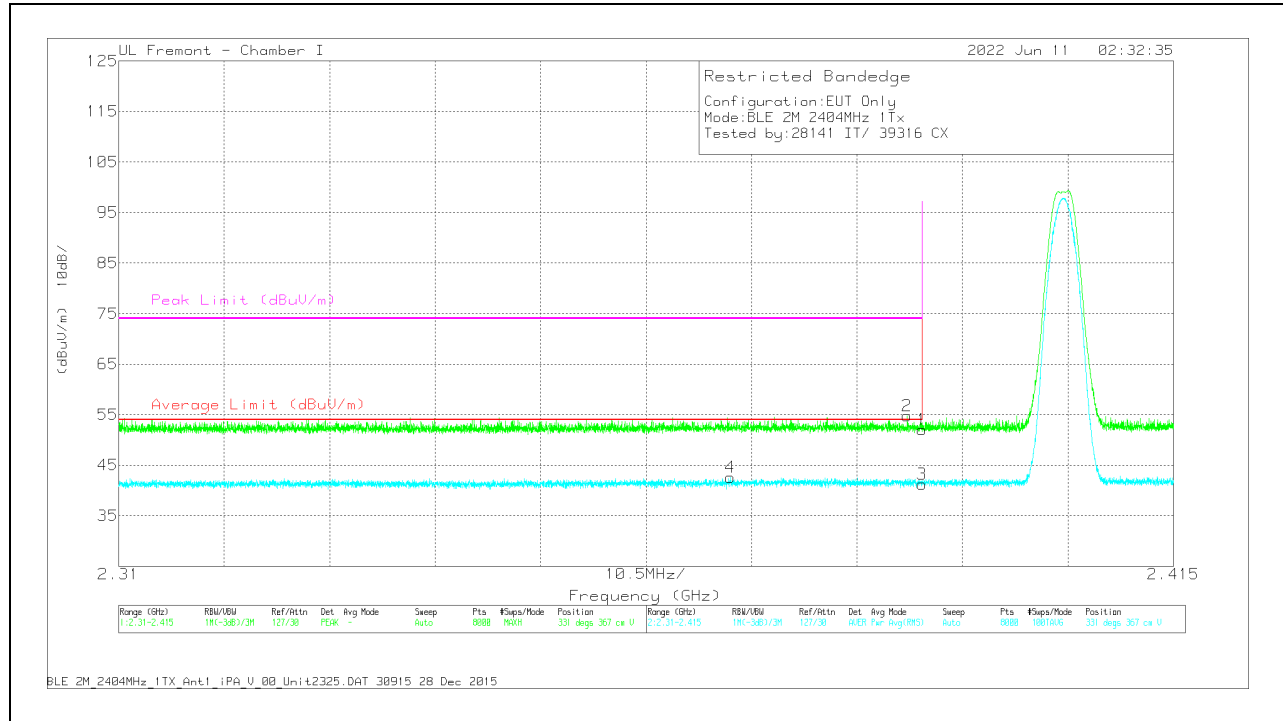
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.13	Pk	31.9	-35.8	52.23	-	-	74	-21.77	345	109	H
2	* 2.318139	58.81	Pk	31.7	-35.9	54.61	-	-	74	-19.39	345	109	H
3	* 2.39	45.6	RMS	31.9	-35.8	41.7	54	-12.3	-	-	345	109	H
4	* 2.382212	46.26	RMS	32	-35.8	42.46	54	-11.54	-	-	345	109	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

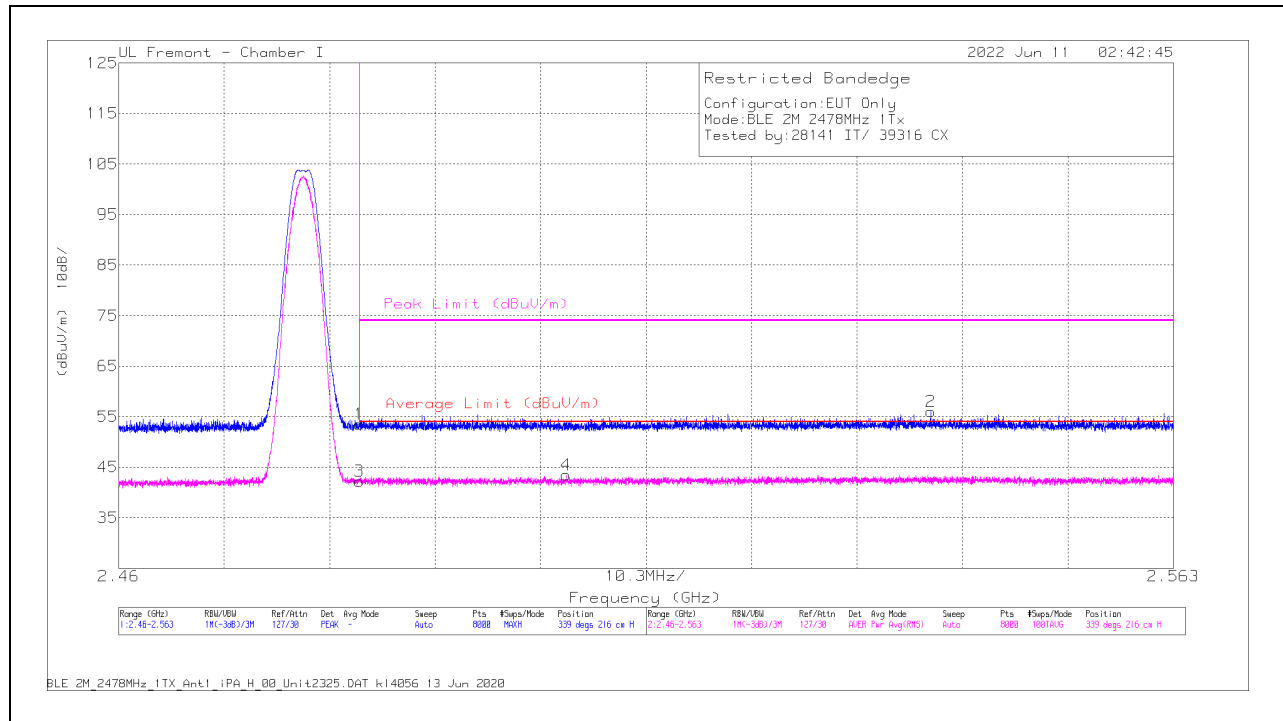


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.95	Pk	31.9	-35.8	52.05	-	-	74	-21.95	331	367	V
2	* 2.388486	58.61	Pk	31.9	-35.8	54.71	-	-	74	-19.29	331	367	V
3	* 2.39	45.09	RMS	31.9	-35.8	41.19	54	-12.81	-	-	331	367	V
4	* 2.370909	46.64	RMS	31.8	-35.8	42.64	54	-11.36	-	-	331	367	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

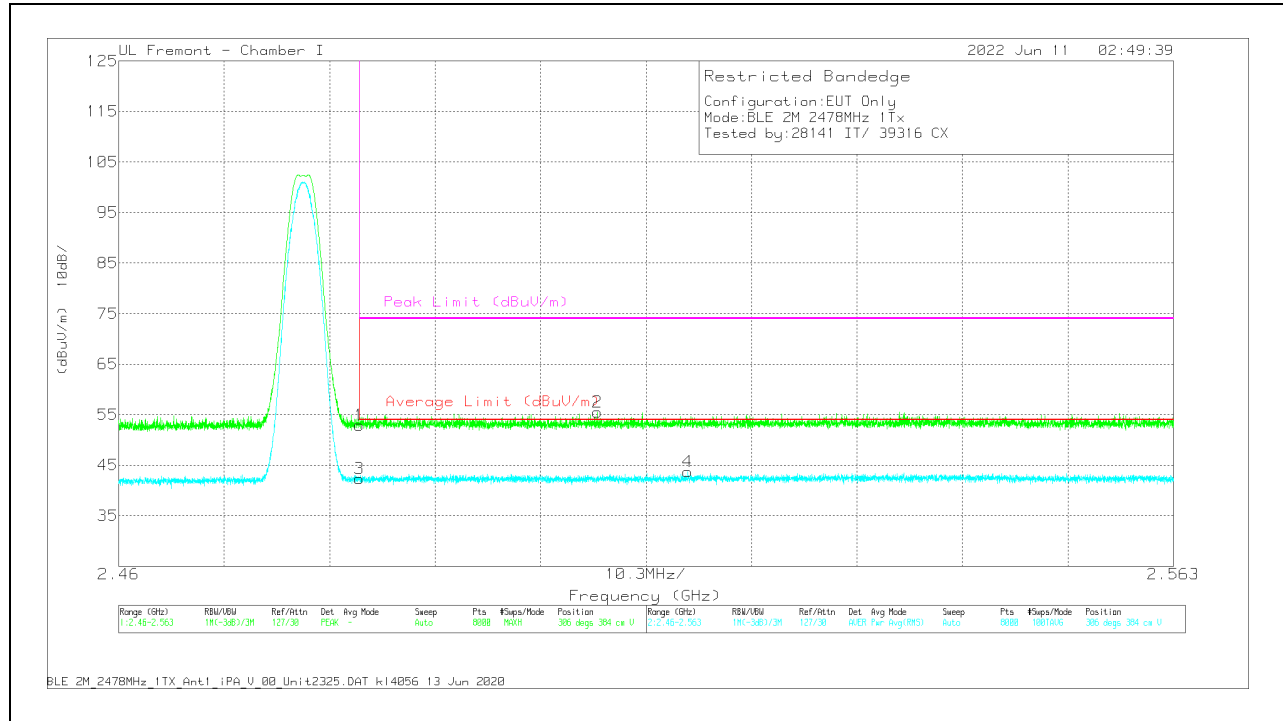
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	56.93	Pk	32.2	-35.6	53.53	-	-	74	-20.47	339	216	H
3	* 2.4835	45.58	RMS	32.2	-35.6	42.18	54	-11.82	-	-	339	216	H
4	2.503679	46.63	RMS	32.3	-35.5	43.43	54	-10.57	-	-	339	216	H
2	2.539322	58.87	Pk	32.4	-35.3	55.97	-	-	74	-18.03	339	216	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	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	* 2.4835	56.28	Pk	32.2	-35.6	52.88	-	-	74	-21.12	306	384	V
3	* 2.4835	45.69	RMS	32.2	-35.6	42.29	54	-11.71	-	-	306	384	V
2	2.506756	58.76	Pk	32.3	-35.5	55.56	-	-	74	-18.44	306	384	V
4	2.51559	46.67	RMS	32.4	-35.4	43.67	54	-10.33	-	-	306	384	V

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

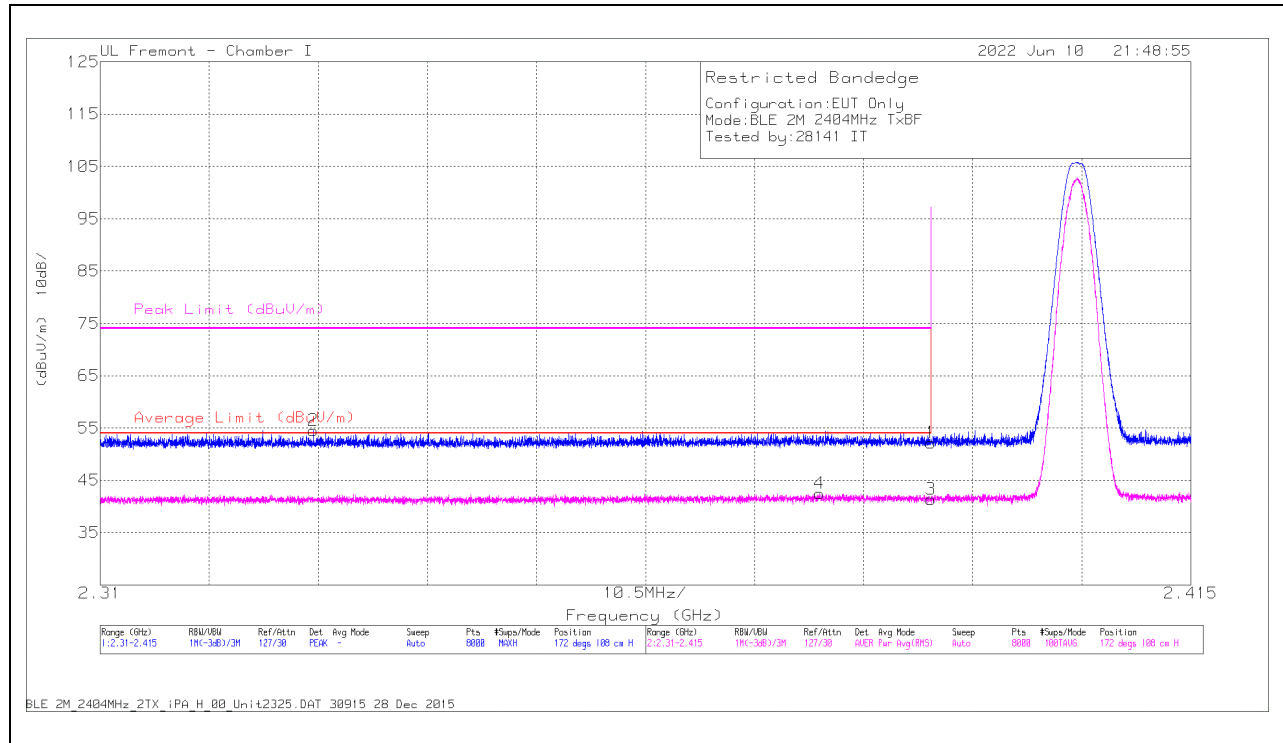
Pk - Peak detector

RMS - RMS detection

10.2.8. LOW POWER BLE TXBF (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



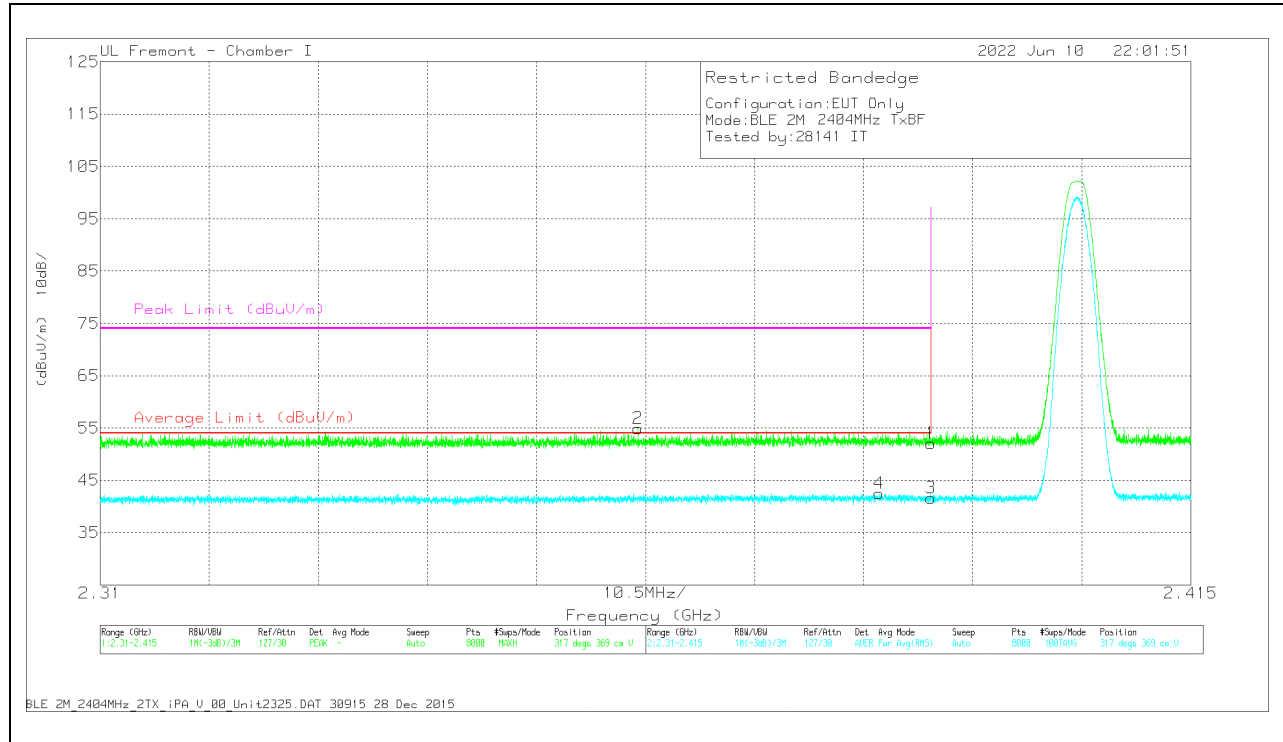
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.02	PK	31.9	-35.8	52.12	-	-	74	-21.88	172	108	H
2	* 2.330504	58.56	PK	31.8	-35.9	54.46	-	-	74	-19.54	172	108	H
3	* 2.39	45.2	RMS	31.9	-35.8	41.3	54	-12.7	-	-	172	108	H
4	* 2.379232	46.35	RMS	31.9	-35.8	42.45	54	-11.55	-	-	172	108	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

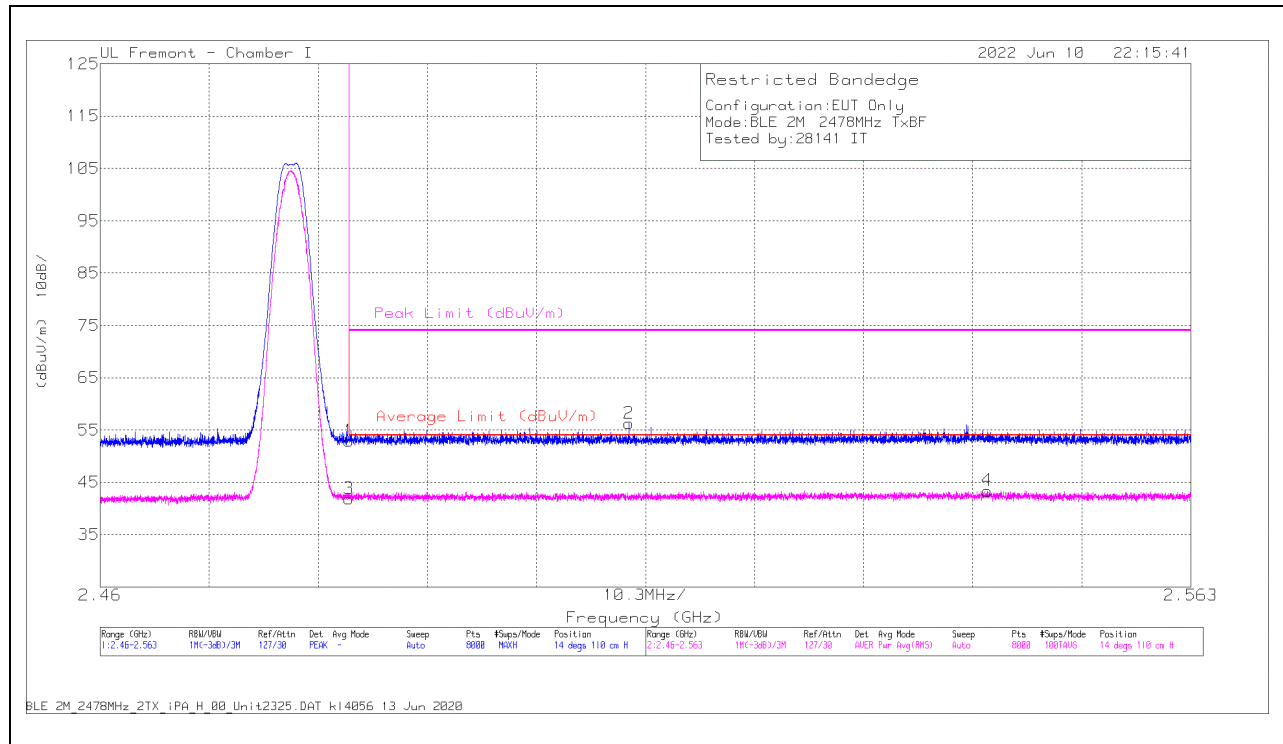


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.95	Pk	31.9	-35.8	52.05	-	-	74	-21.95	317	369	V
2	* 2.36176	58.88	Pk	31.8	-35.8	54.88	-	-	74	-19.12	317	369	V
3	* 2.39	45.5	RMS	31.9	-35.8	41.6	54	-12.4	-	-	317	369	V
4	* 2.384995	46.34	RMS	31.9	-35.8	42.44	54	-11.56	-	-	317	369	V

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

Pk - Peak detector

RMS - RMS detection

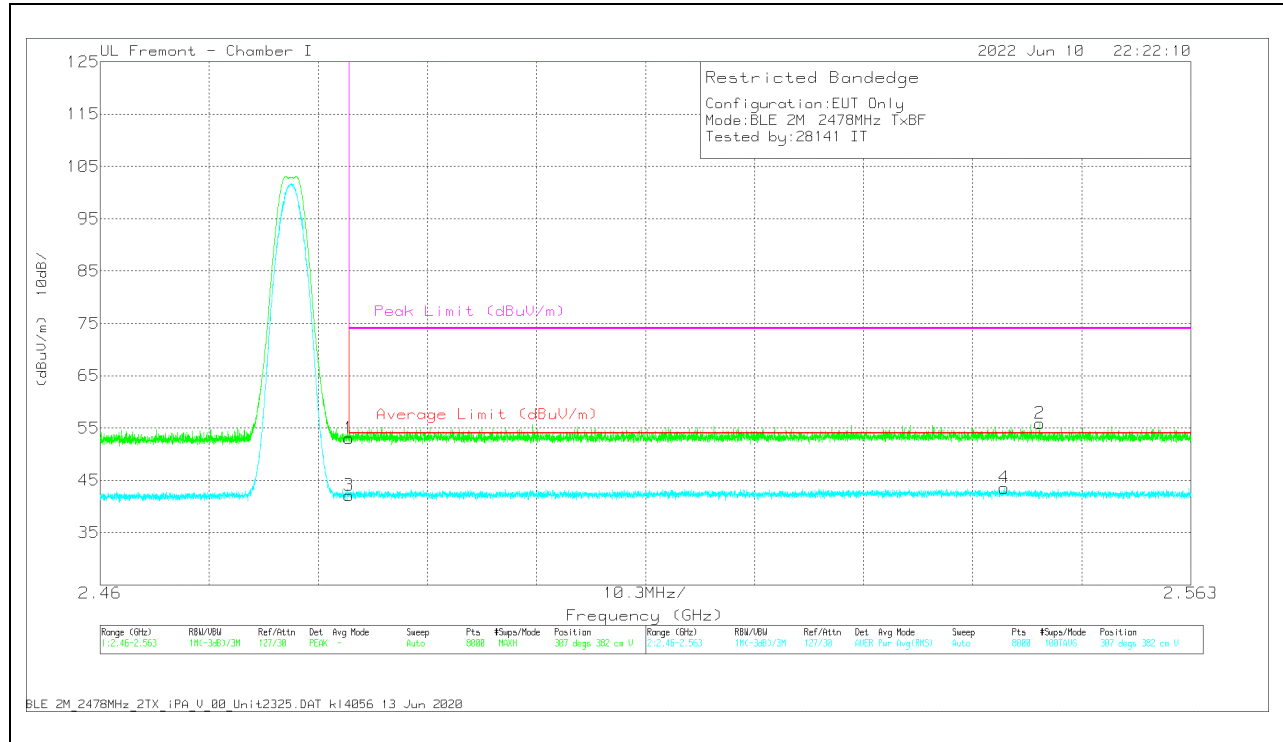
BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	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	* 2.4835	56.33	PK	32.2	-35.6	52.93	-	-	74	-21.07	14	110	H
3	* 2.4835	45.27	RMS	32.2	-35.6	41.87	54	-12.13	-	-	14	110	H
2	2.509937	59.43	PK	32.3	-35.5	56.23	-	-	74	-17.77	14	110	H
4	2.543791	46.4	RMS	32.3	-35.3	43.4	54	-10.6	-	-	14	110	H

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

PK - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200785 ACF (dB)	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	* 2.4835	56.46	Pk	32.2	-35.6	53.06	-	-	74	-20.94	307	382	V
3	* 2.4835	45.45	RMS	32.2	-35.6	42.05	54	-11.95	-	-	307	382	V
4	2.545349	46.53	RMS	32.3	-35.3	43.53	54	-10.47	-	-	307	382	V
2	2.548723	59.01	Pk	32.3	-35.4	55.91	-	-	74	-18.09	307	382	V

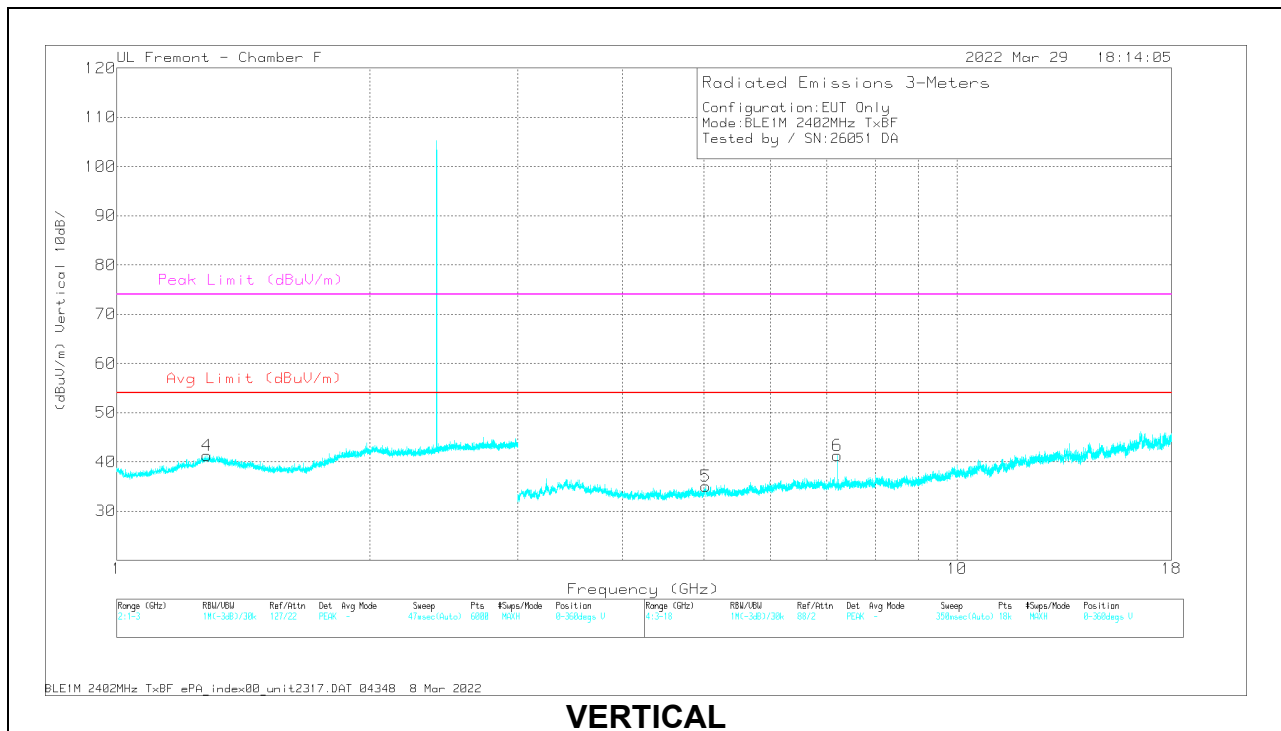
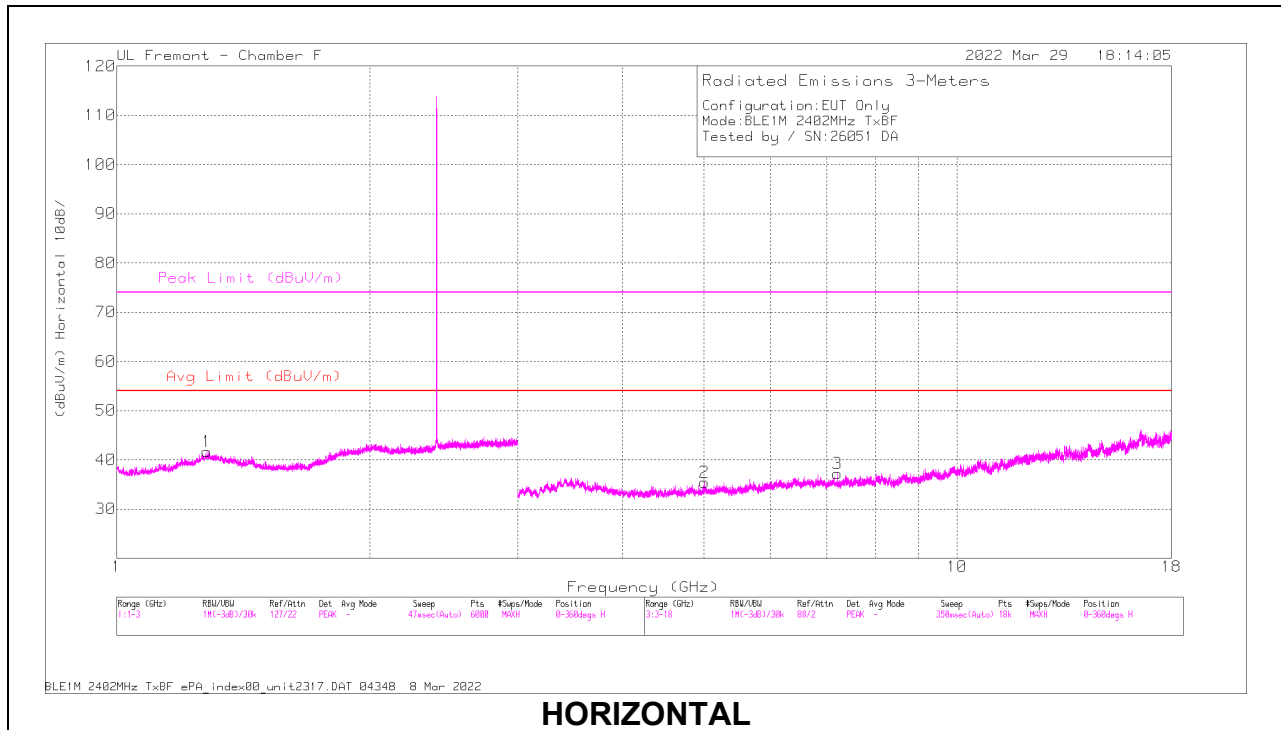
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.2.9. HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

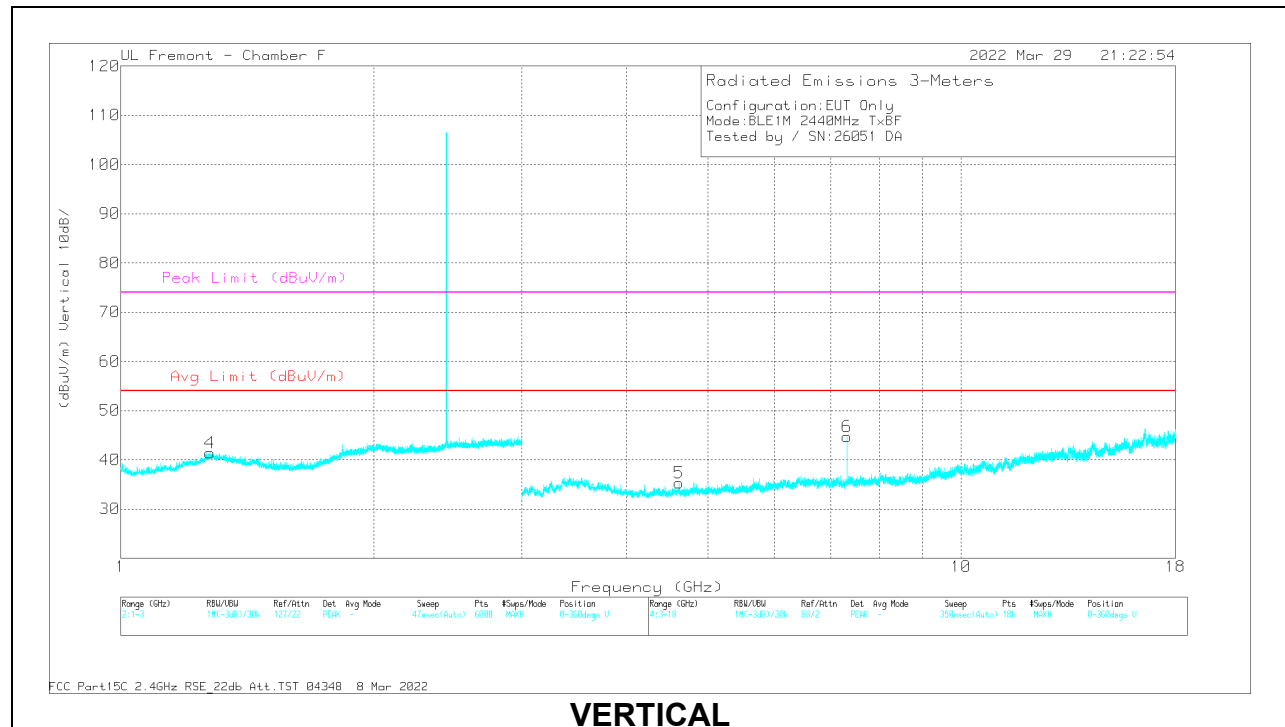
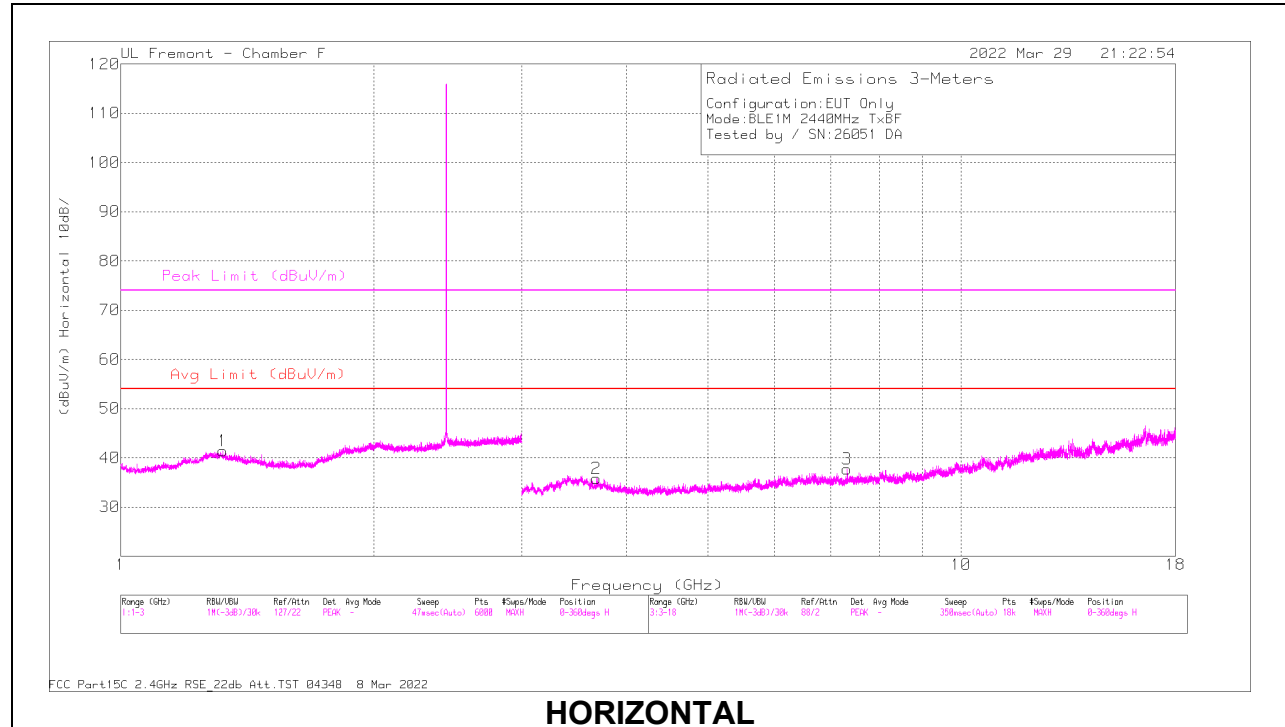
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.279151	59.57	PK2	30.4	-39.1	50.87	-	-	74	-23.13	28	187	H
	* 1.280514	48.39	MAv1	30.4	-39.1	39.69	54	-14.31	-	-	28	187	H
4	* 1.27799	60.49	PK2	30.3	-39.1	51.69	-	-	74	-22.31	71	179	V
	* 1.279651	48.14	MAv1	30.4	-39.1	39.44	54	-14.56	-	-	71	179	V
3	* 5.012025	57.53	PK2	34.2	-47.2	44.53	-	-	74	-29.47	85	115	H
	* 5.01096	45.85	MAv1	34.2	-47	33.05	54	-20.95	-	-	85	115	H
3	7.205035	55.49	PK2	35.5	-45.4	45.59	-	-	-	-	121	163	H
	7.206712	44.25	MAv1	35.5	-45.5	34.25	-	-	-	-	121	163	H
5	* 5.024147	57.71	PK2	34.1	-47.1	44.71	-	-	74	-29.29	166	246	V
	* 5.024154	45.78	MAv1	34.1	-47.1	32.78	54	-21.22	-	-	166	246	V
6	7.208127	55.84	PK2	35.5	-45.6	45.74	-	-	-	-	182	280	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

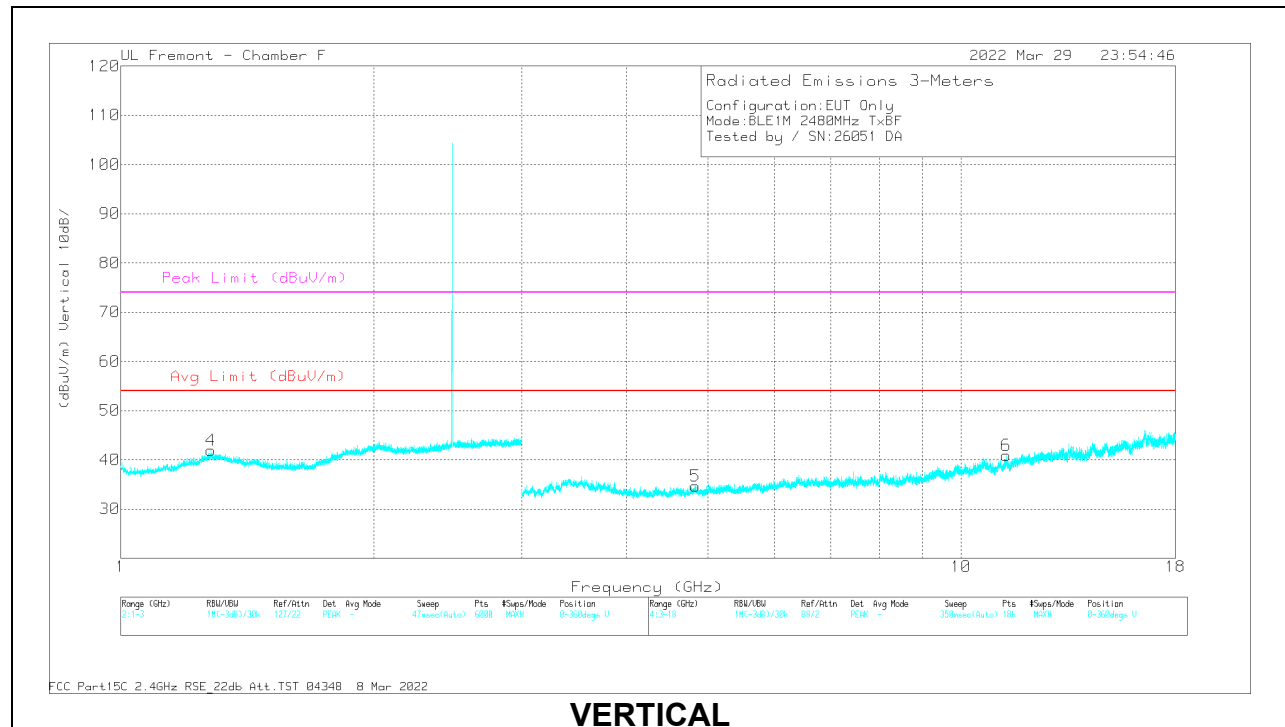
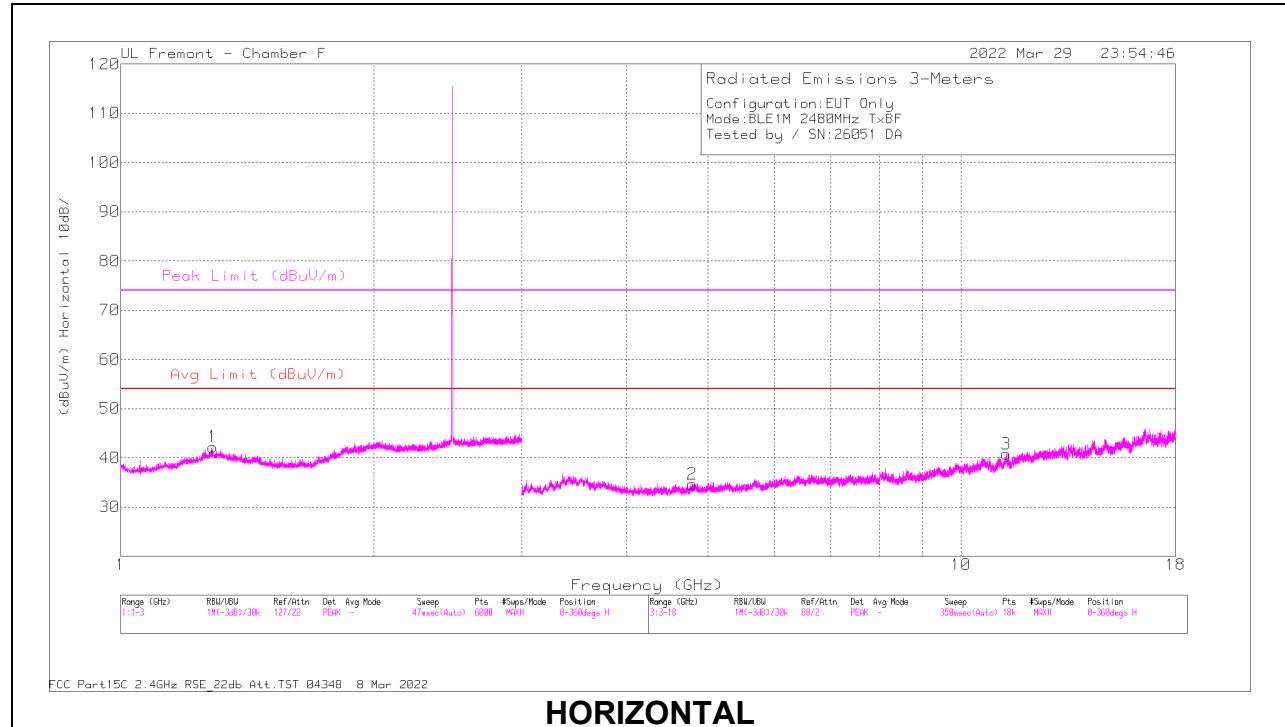
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.320987	60.16	PK2	29.9	-39	51.06	-	-	74	-22.94	37	189	H
	* 1.322151	48.28	MAv1	29.8	-39	39.08	54	-14.92	-	-	37	189	H
4	* 1.277008	60.31	PK2	30.3	-39.2	51.41	-	-	74	-22.59	73	142	V
	* 1.278621	48.2	MAv1	30.4	-39.1	39.5	54	-14.5	-	-	73	142	V
2	* 3.680192	56.31	PK2	34.8	-46.2	44.91	-	-	74	-29.09	95	115	H
	* 3.680046	44.79	MAv1	34.8	-46.2	33.39	54	-20.61	-	-	95	115	H
3	* 7.319331	57.91	PK2	35.7	-45	48.61	-	-	74	-25.39	19	109	H
	* 7.319507	47.68	MAv1	35.7	-45.1	38.28	54	-15.72	-	-	19	109	H
5	* 4.621904	58.11	PK2	34.2	-47.4	44.91	-	-	74	-29.09	30	166	V
	* 4.621485	45.76	MAv1	34.2	-47.5	32.46	54	-21.54	-	-	30	166	V
6	* 7.320658	58.72	PK2	35.7	-45.2	49.22	-	-	74	-24.78	34	101	V
	* 7.319483	49.5	MAv1	35.7	-45.1	40.1	54	-13.9	-	-	34	101	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.286671	60.11	PK2	30.4	-39.1	51.41	-	-	74	-22.59	8	112	H
	* 1.285394	47.96	MAv1	30.4	-39.1	39.26	54	-14.74	-	-	8	112	H
4	* 1.279247	60.28	PK2	30.4	-39.1	51.58	-	-	74	-22.42	29	126	V
	* 1.278095	48.17	MAv1	30.3	-39.1	39.37	54	-14.63	-	-	29	126	V
2	* 4.786003	58.13	PK2	34.1	-47.6	44.63	-	-	74	-29.37	57	164	H
	* 4.785749	45.98	MAv1	34.1	-47.6	32.48	54	-21.52	-	-	57	164	H
3	* 11.32895	56.12	PK2	38.2	-44.1	50.22	-	-	74	-23.78	131	108	H
	* 11.32993	44.76	MAv1	38.2	-43.9	39.06	54	-14.94	-	-	131	108	H
5	* 4.828016	58.34	PK2	34.2	-47.3	45.24	-	-	74	-28.76	157	186	V
	* 4.825873	45.98	MAv1	34.2	-47.2	32.98	54	-21.02	-	-	157	186	V
6	* 11.31854	56.29	PK2	38.1	-44.2	50.19	-	-	74	-23.81	201	226	V
	* 11.31996	44.73	MAv1	38.1	-44.1	38.73	54	-15.27	-	-	201	226	V

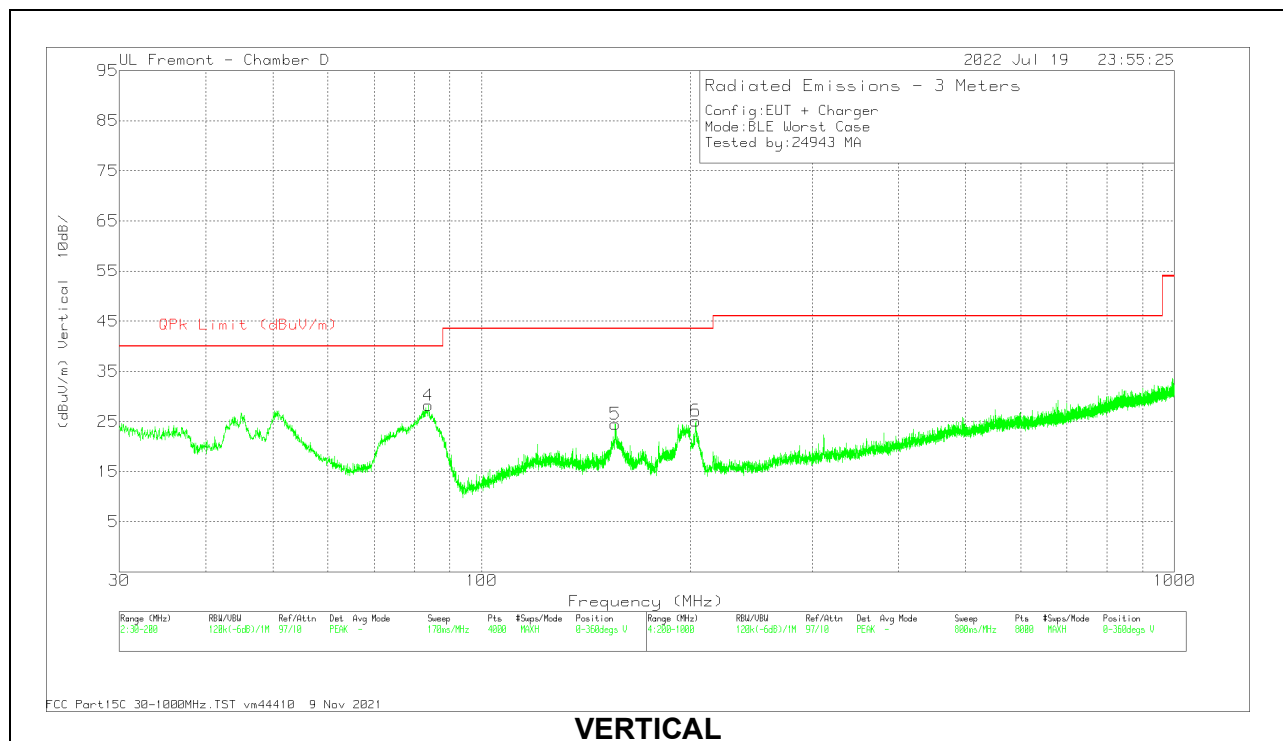
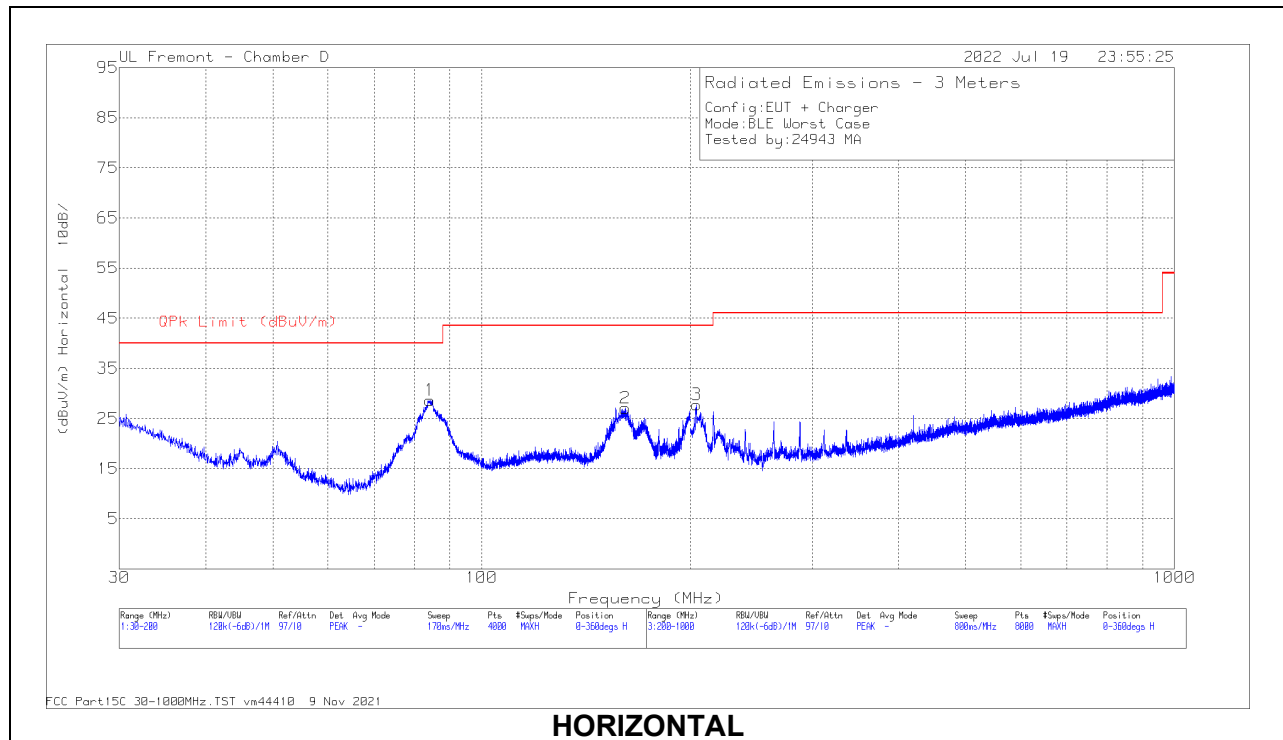
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. WORST CASE BELOW 1 GHz

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



DATA

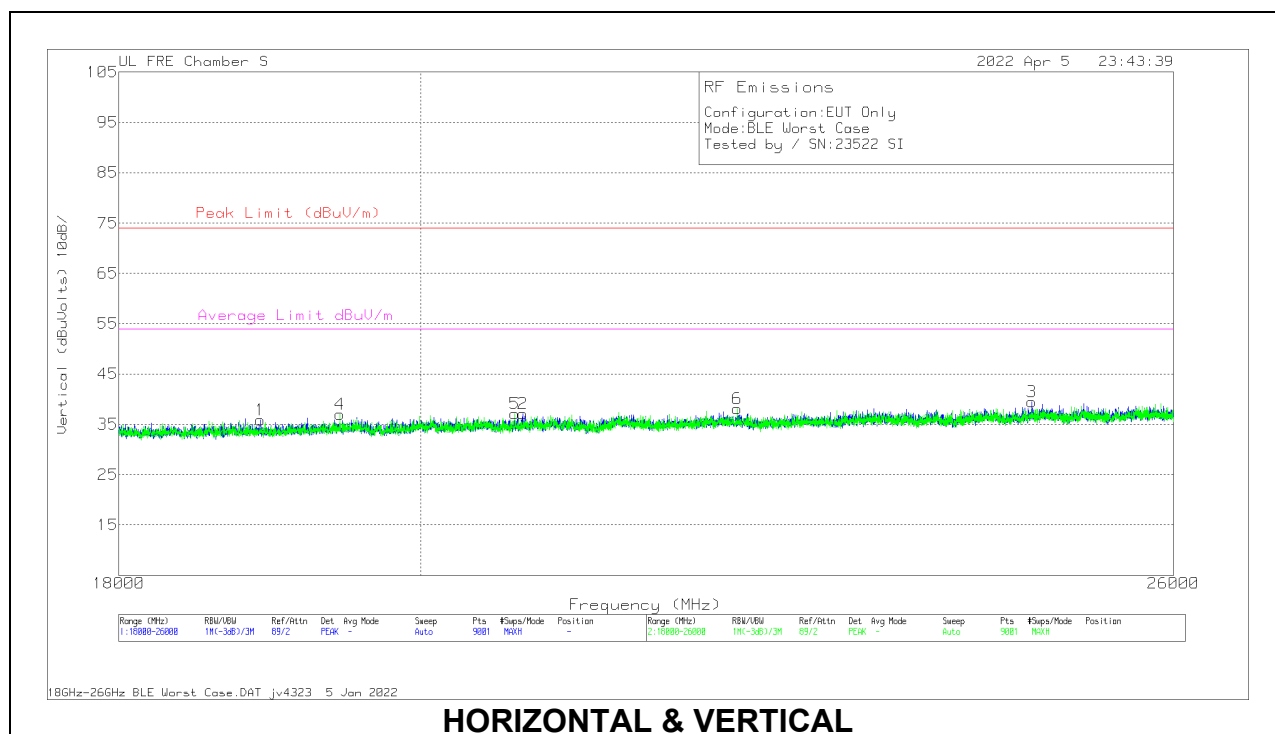
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 80293 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	83.7764	45.72	Pk	13.6	-31.1	28.22	40	-11.78	0-360	100	V
1	84.244	46.13	Pk	13.6	-31.1	28.63	40	-11.37	0-360	299	H
	84.1881	42.86	Qp	13.6	-31.1	25.36	40	-14.64	134	377	H
5	156.003	36.39	Pk	18.6	-30.5	24.49	43.52	-19.03	0-360	100	V
2	161.316	39.05	Pk	18.4	-30.4	27.05	43.52	-16.47	0-360	199	H
6	203.8	36.62	Pk	18.6	-30.1	25.12	43.52	-18.4	0-360	99	V
3	204.301	39.56	Pk	18.3	-30.1	27.76	43.52	-15.76	0-360	99	H

Pk - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26GHZ

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



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 81139 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Polarity
4	19442.667	70.36	Pk	33.4	-57.3	-9.5	36.96	74	-37.04	54	-15.87	V
5	20666.667	69.7	Pk	33.8	-56.9	-9.5	37.1	74	-36.9	54	-17.04	V
6	22332.445	71.13	Pk	34.3	-57.8	-9.5	38.13	74	-35.87	54	-16.9	V
1	18911.111	70.29	Pk	33.1	-58	-9.5	35.89	74	-38.11	54	-18.11	H
2	20724.445	69.64	Pk	33.8	-56.8	-9.5	37.14	74	-36.86	54	-16.86	H
3	24748.445	69.43	Pk	34.9	-55.3	-9.5	39.53	74	-34.47	54	-14.47	H

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

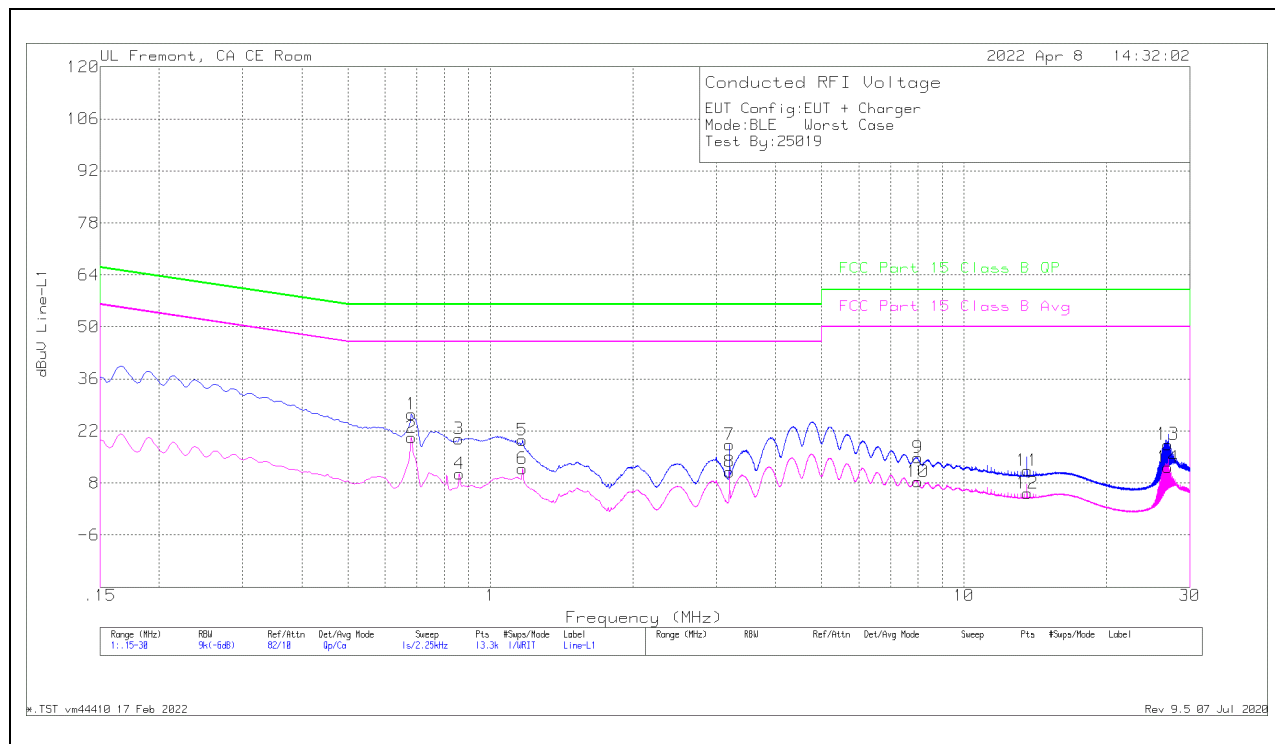
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line With AC/DC Adapter

LINE 1 RESULTS



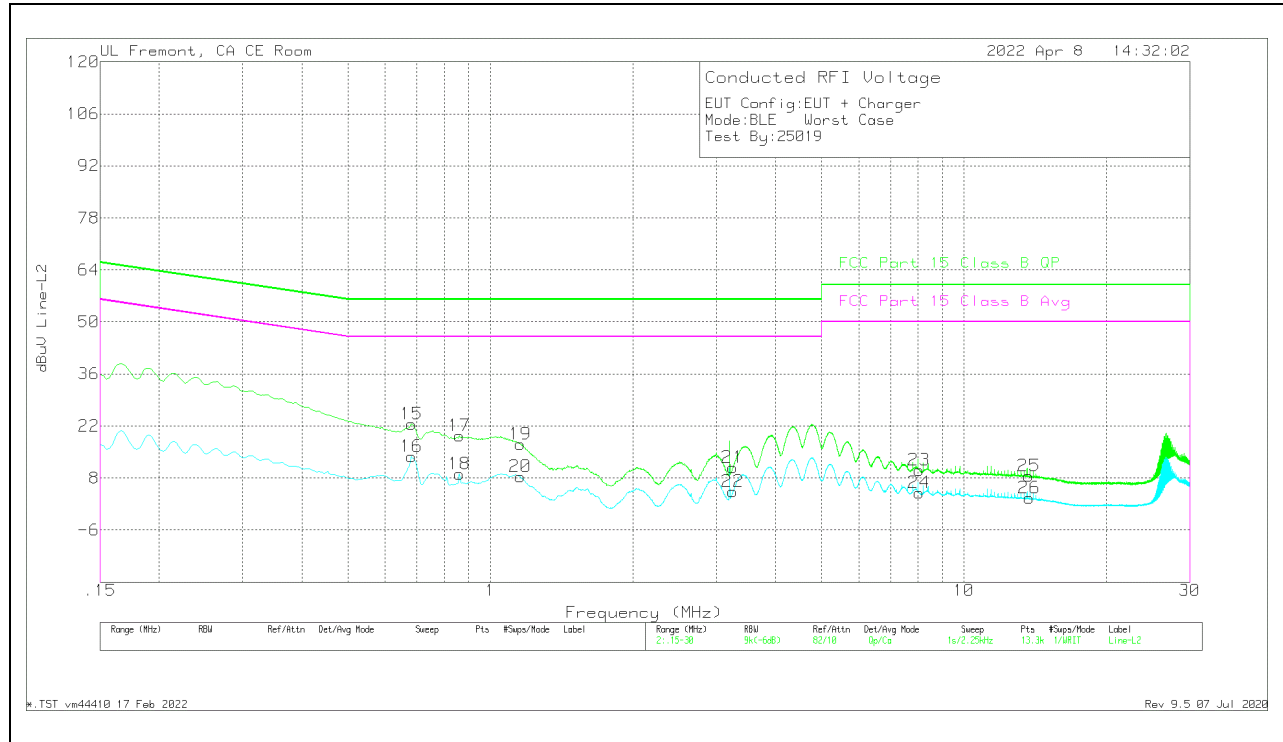
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207 (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)Margin (dB)
1	.681	17.14	Qp	0	.1	9.3	26.54	56	-29.46	-	-
2	.681	10.82	Ca	0	.1	9.3	20.22	-	-	46	-25.78
3	.85875	10.57	Qp	0	.1	9.3	19.97	56	-36.03	-	-
4	.861	1.08	Ca	0	.1	9.3	10.48	-	-	46	-35.52
5	1.16925	10.07	Qp	0	.1	9.3	19.47	56	-36.53	-	-
6	1.16925	2.44	Ca	0	.1	9.3	11.84	-	-	46	-34.16
7	3.19875	8.92	Qp	0	.1	9.3	18.32	56	-37.68	-	-
8	3.19875	1.62	Ca	0	.1	9.3	11.02	-	-	46	-34.98
9	7.998	5.41	Qp	0	.1	9.3	14.81	60	-45.19	-	-
10	7.998	-96	Ca	0	.1	9.3	8.44	-	-	50	-41.56
11	13.596	1.82	Qp	.1	.2	9.3	11.42	60	-48.58	-	-
12	13.596	-4.38	Ca	.1	.2	9.3	5.22	-	-	50	-44.78
13	26.94975	8.51	Qp	.2	.3	9.4	18.41	60	-41.59	-	-
14	26.94975	2.39	Ca	.2	.3	9.4	12.29	-	-	50	-37.71

Qp - Quasi-Peak detector

Ca - CISPR average detection

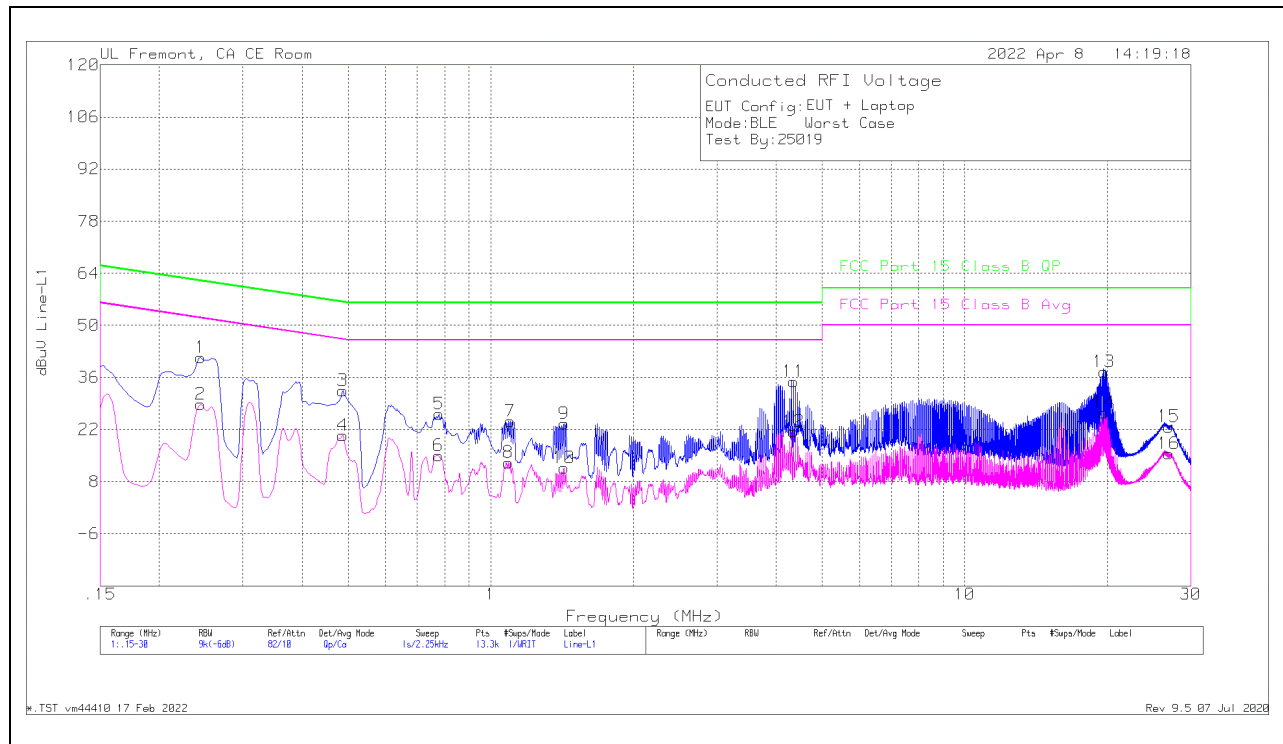
LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207 (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)Margin (dB)
15	.681	13.16	Qp	0	.1	9.3	22.56	56	-33.44	-	-
16	.681	4.34	Ca	0	.1	9.3	13.74	-	-	46	-32.26
17	.861	9.98	Qp	0	.1	9.3	19.38	56	-36.62	-	-
18	.861	-3.35	Ca	0	.1	9.3	9.05	-	-	46	-36.95
19	1.158	7.74	Qp	0	.1	9.3	17.14	56	-38.86	-	-
20	1.15575	-1.07	Ca	0	.1	9.3	8.33	-	-	46	-37.67
21	3.2505	1.47	Qp	0	.1	9.3	10.87	56	-45.13	-	-
22	3.2505	-5.11	Ca	0	.1	9.3	4.29	-	-	46	-41.71
23	8.0475	.8	Qp	0	.1	9.3	10.2	60	-49.8	-	-
24	8.0475	-5.46	Ca	0	.1	9.3	3.94	-	-	50	-46.06
25	13.7175	-1.01	Qp	.1	.2	9.3	8.59	60	-51.41	-	-
26	13.749	-6.95	Ca	.1	.2	9.3	2.65	-	-	50	-47.35

Qp - Quasi-Peak detector

Ca - CISPR average detection

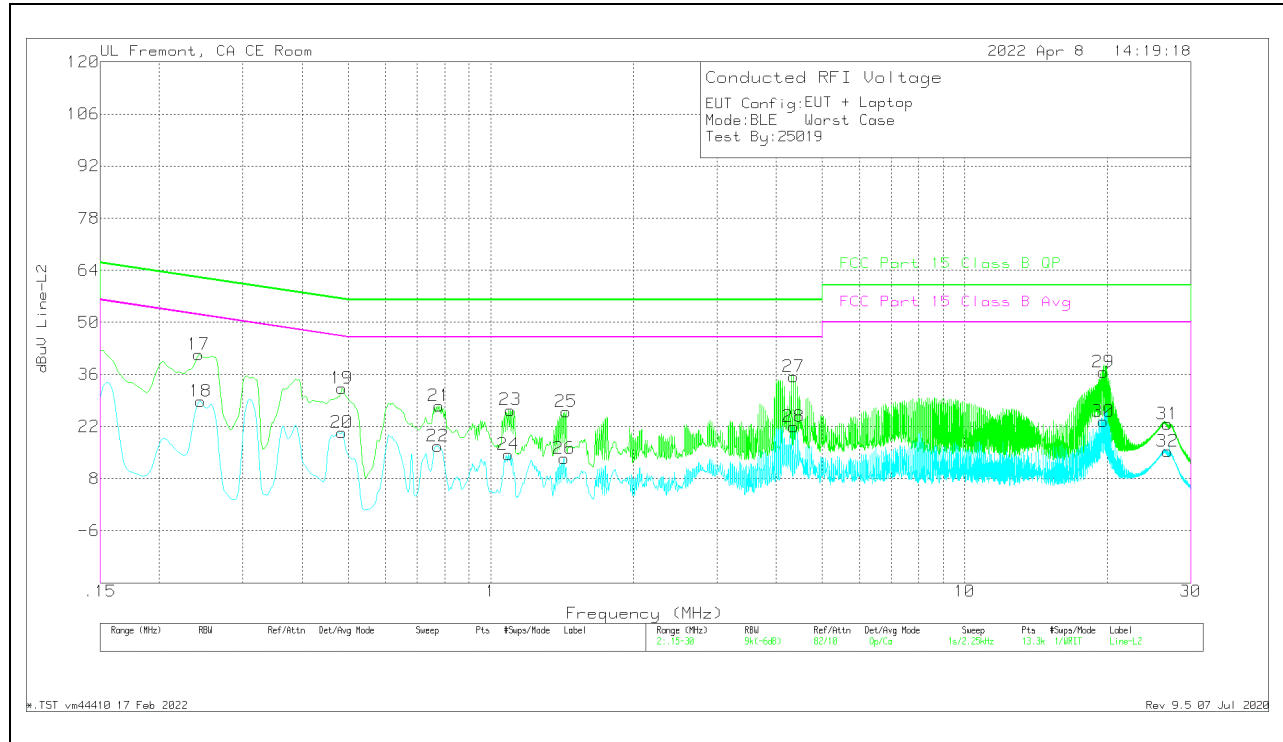
11.2. AC Power Line With Laptop**LINE 1 RESULTS**

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207 (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)Margin (dB)
1	.2445	31.99	Qp	0	0	9.3	41.29	61.94	-20.65	-	-
2	.2445	19.43	Ca	0	0	9.3	28.73	-	-	51.94	-23.21
3	.4875	23.1	Qp	0	0	9.3	32.4	56.21	-23.81	-	-
4	.4875	11.05	Ca	0	0	9.3	20.35	-	-	46.21	-25.86
5	.77775	16.74	Qp	0	.1	9.3	26.14	56	-29.86	-	-
6	.7755	5.63	Ca	0	.1	9.3	15.03	-	-	46	-30.97
7	1.0995	14.92	Qp	0	.1	9.3	24.32	56	-31.68	-	-
8	1.08825	3.77	Ca	0	.1	9.3	13.17	-	-	46	-32.83
9	1.428	14.23	Qp	0	.1	9.3	23.63	56	-32.37	-	-
10	1.428	2.32	Ca	0	.1	9.3	11.72	-	-	46	-34.28
11	4.353	25.48	Qp	0	.1	9.3	34.88	56	-21.12	-	-
12	4.353	12.11	Ca	0	.1	9.3	21.51	-	-	46	-24.49
13	19.65975	27.94	Qp	.1	.2	9.3	37.54	60	-22.46	-	-
14	19.65525	16.93	Ca	.1	.2	9.3	26.53	-	-	50	-23.47
15	26.94975	12.87	Qp	.2	.3	9.4	22.77	60	-37.23	-	-
16	26.94975	5.65	Ca	.2	.3	9.4	15.55	-	-	50	-34.45

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207 (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)Margin (dB)
17	.24225	32.09	Qp	0	0	9.3	41.39	62.02	-20.63	-	-
18	.2445	19.52	Ca	0	0	9.3	28.82	-	-	51.94	-23.12
19	.48525	23.02	Qp	0	0	9.3	32.32	56.25	-23.93	-	-
20	.48525	11.18	Ca	0	0	9.3	20.48	-	-	46.25	-25.77
21	.77775	18.18	Qp	0	.1	9.3	27.58	56	-28.42	-	-
22	.77213	7.41	Ca	0	.1	9.3	16.81	-	-	46	-29.19
23	1.0995	17.04	Qp	0	.1	9.3	26.44	56	-29.56	-	-
24	1.08825	5.08	Ca	0	.1	9.3	14.48	-	-	46	-31.52
25	1.4415	16.65	Qp	0	.1	9.3	26.05	56	-29.95	-	-
26	1.428	4.02	Ca	0	.1	9.3	13.42	-	-	46	-32.58
27	4.353	26.09	Qp	0	.1	9.3	35.49	56	-20.51	-	-
28	4.353	12.62	Ca	0	.1	9.3	22.02	-	-	46	-23.98
29	19.5945	27.05	Qp	.1	.2	9.3	36.65	60	-23.35	-	-
30	19.59225	13.71	Ca	.1	.2	9.3	23.31	-	-	50	-26.69
31	26.799	12.8	Qp	.2	.3	9.4	22.7	60	-37.3	-	-
32	26.799	5.5	Ca	.2	.3	9.4	15.4	-	-	50	-34.6

Qp - Quasi-Peak detector

Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14040868-EP1V1 for setup photos

END OF TEST REPORT