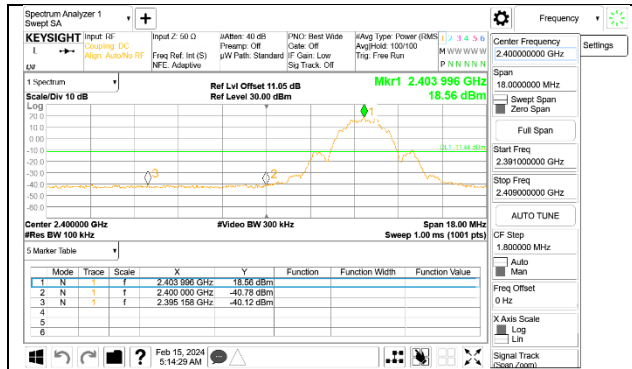
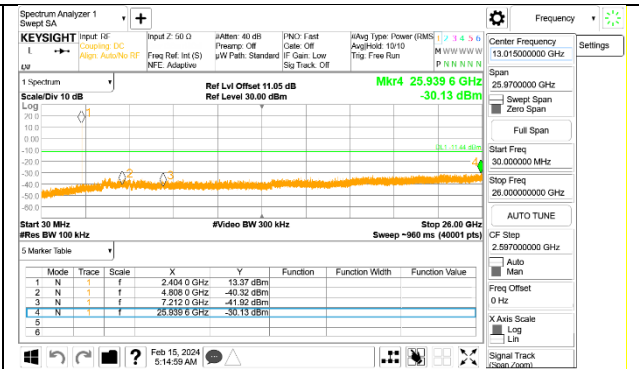


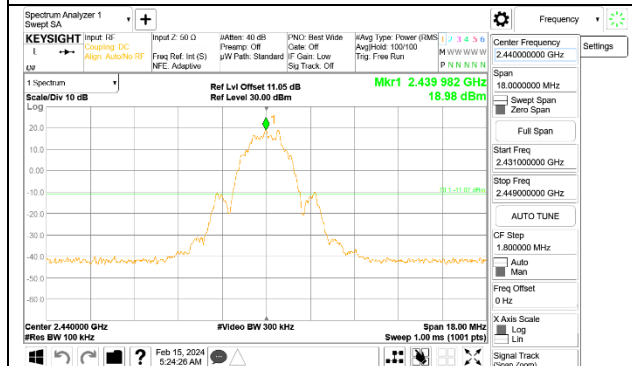
Tx1



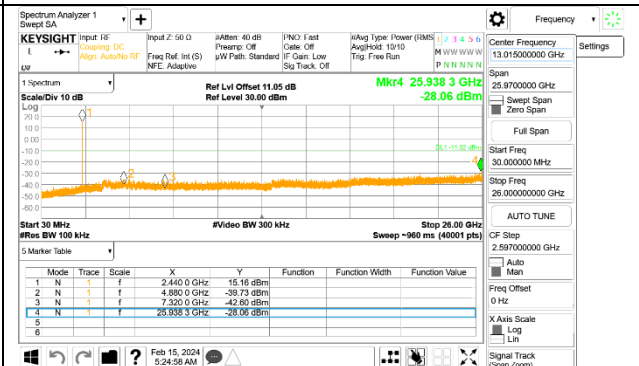
LOW CHANNEL BANDEGE



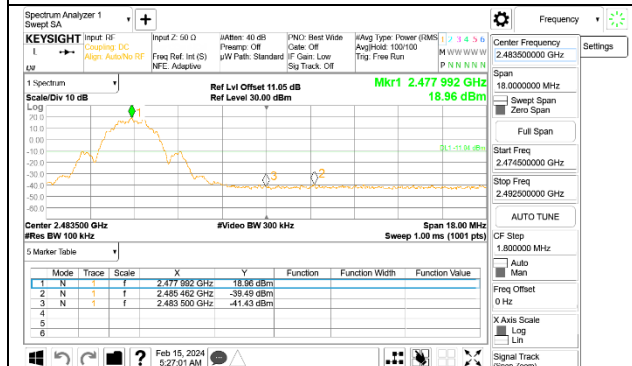
OUT-OF-BAND LOW CHANNEL



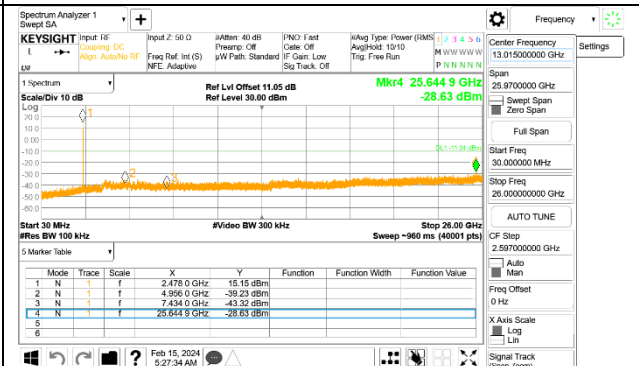
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



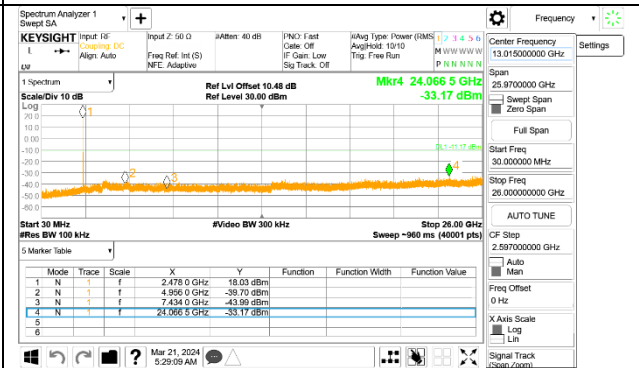
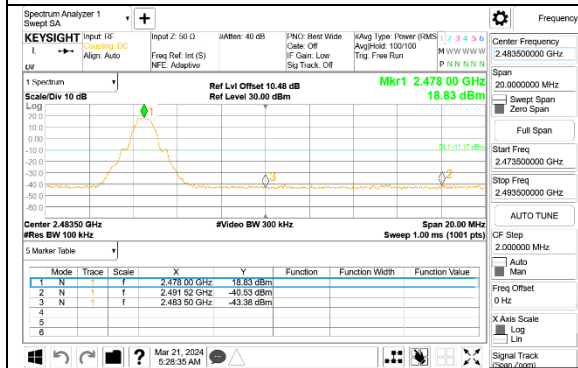
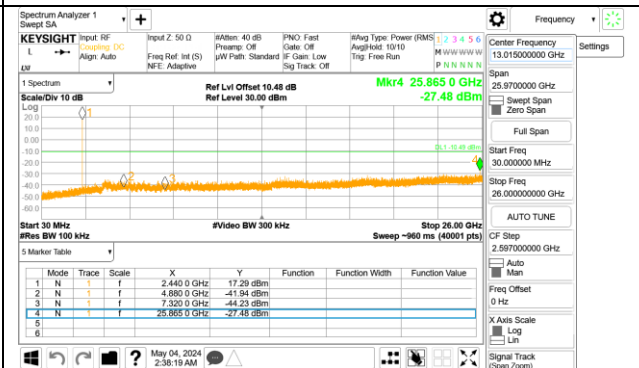
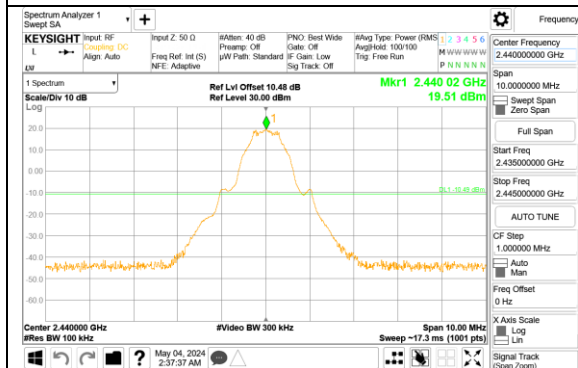
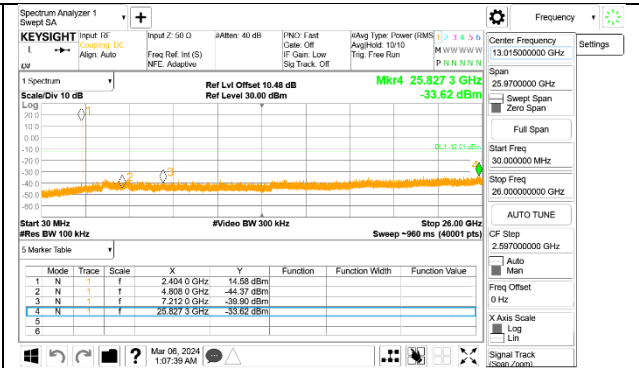
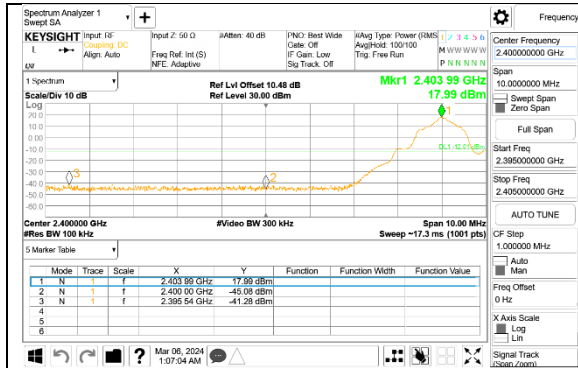
HIGH CHANNEL BANDEGE



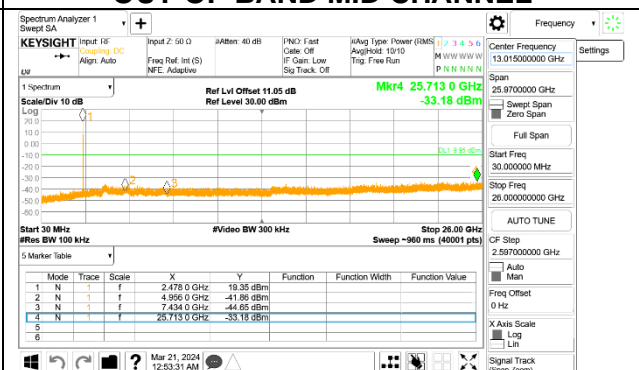
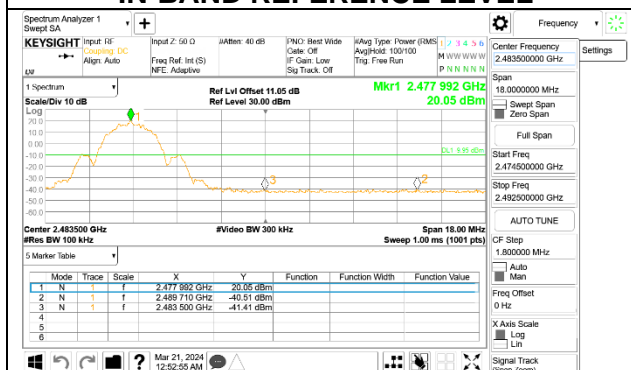
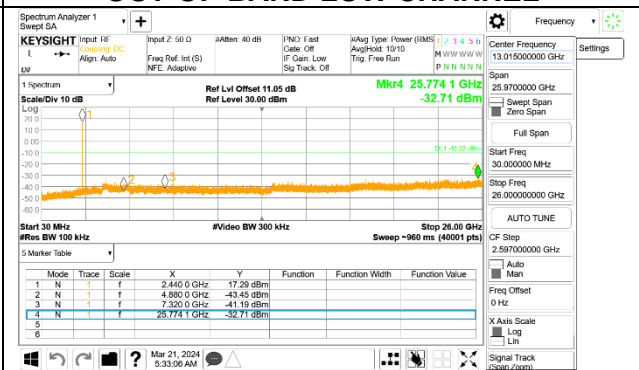
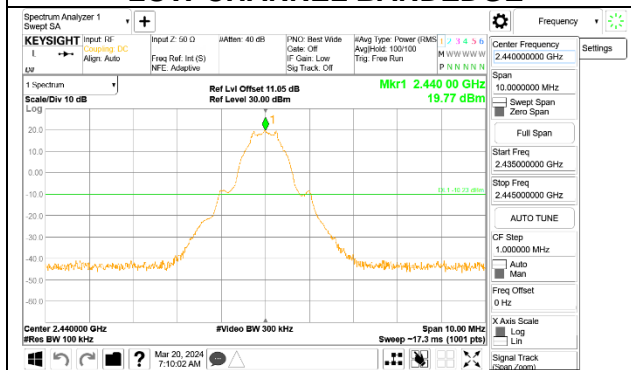
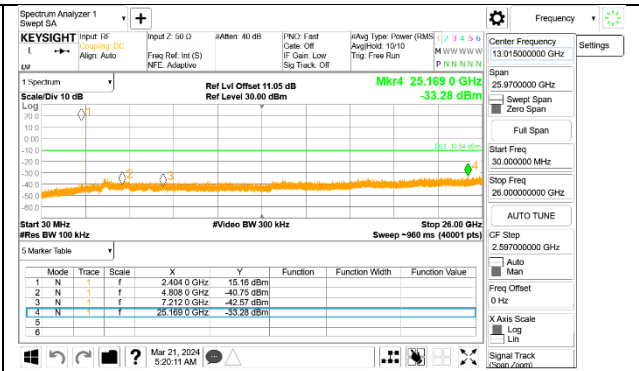
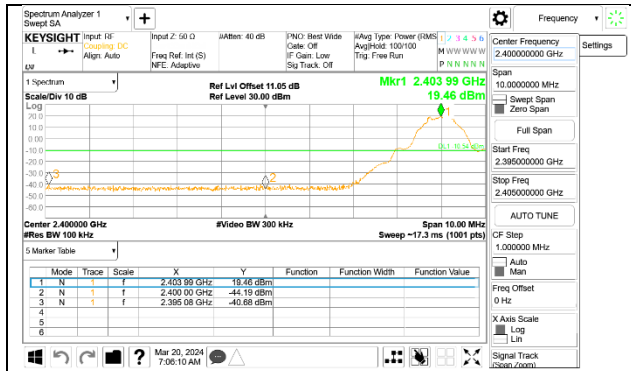
OUT-OF-BAND HIGH CHANNEL

9.4.5. BLE 1Mbps GFSK, MODE 0 (CHANNEL SOUNDING)

Tx0

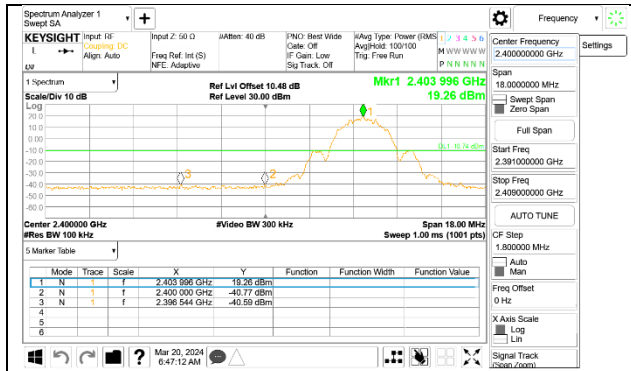


Tx1

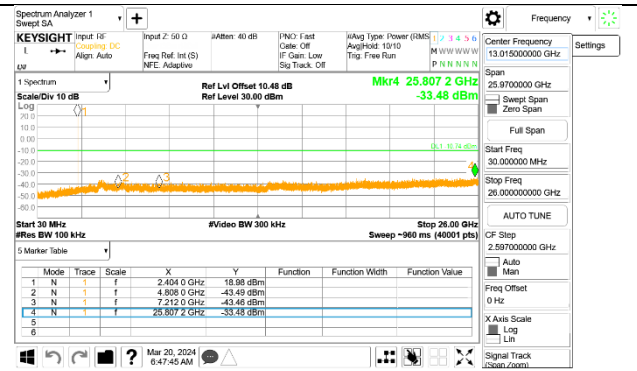


9.4.6. BLE 2Mbps GFSK, MODE 0 (CHANNEL SOUNDING)

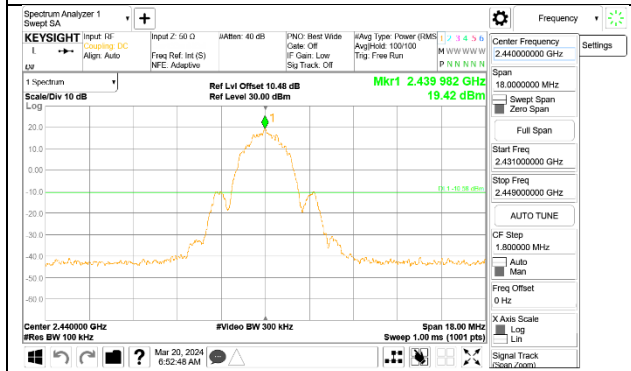
Tx0



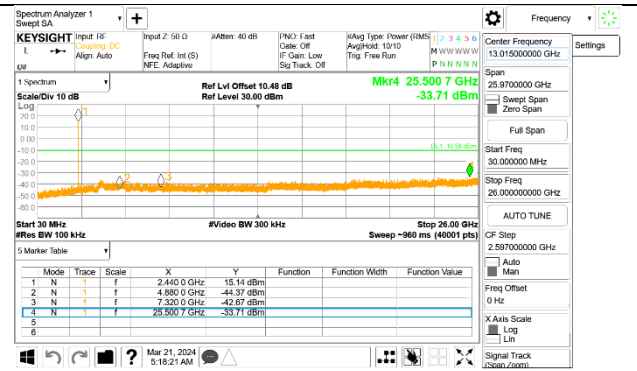
LOW CHANNEL BANDEGE



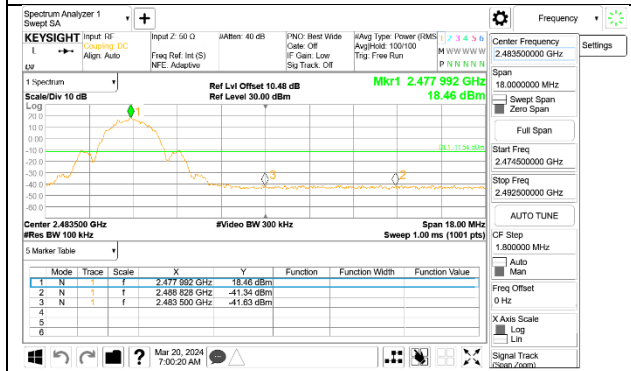
OUT-OF-BAND LOW CHANNEL



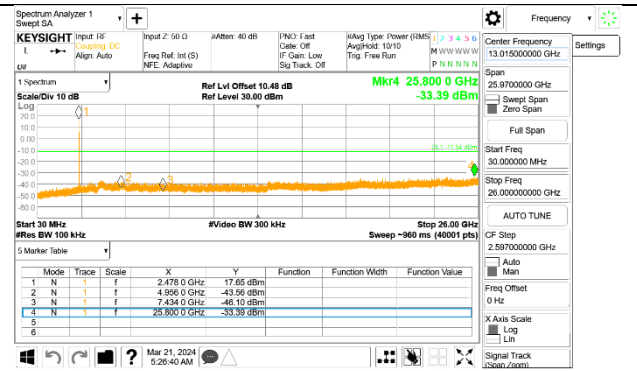
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

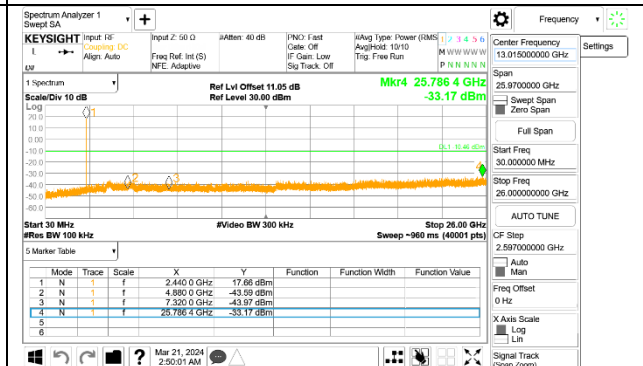
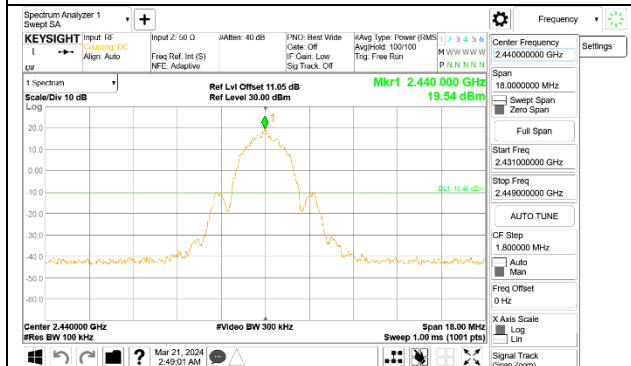
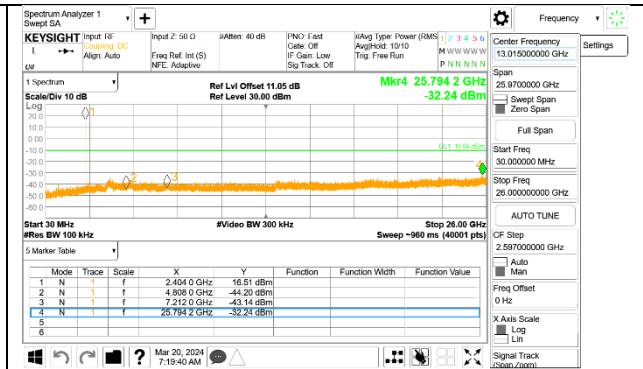
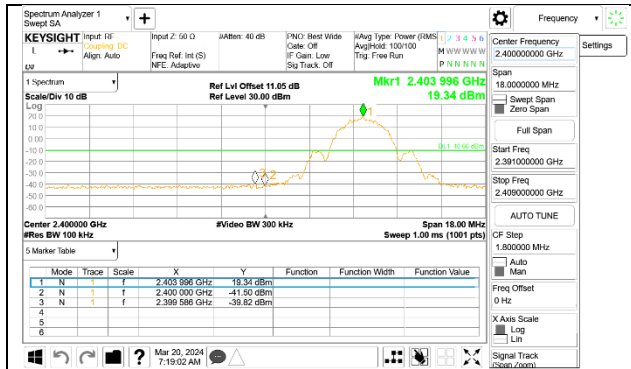


HIGH CHANNEL BANDEGE



OUT-OF-BAND HIGH CHANNEL

Tx1



10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

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 in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

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.

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. Blue color trace on plots: Parallel orientation. Green color trace on plots: Perpendicular orientation.

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

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

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

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 reported in the table), using the 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.

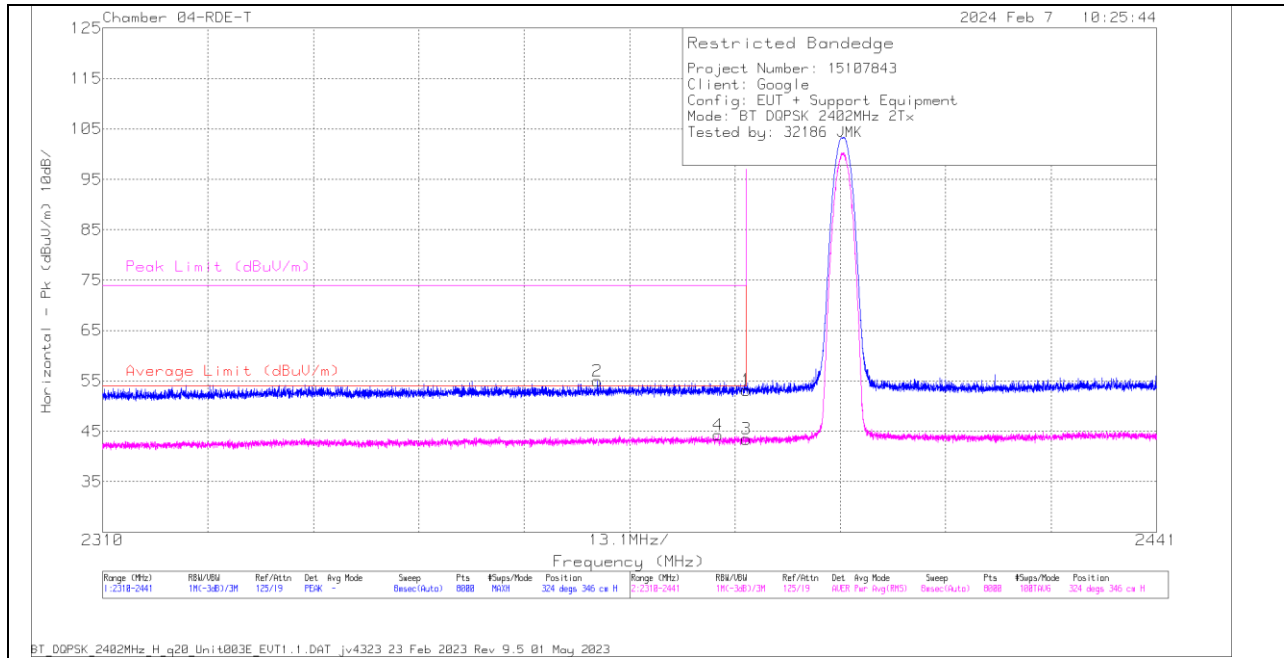
10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. BT DQPSK TXBF

2Tx

BANDEDGE (LOW CHANNEL)

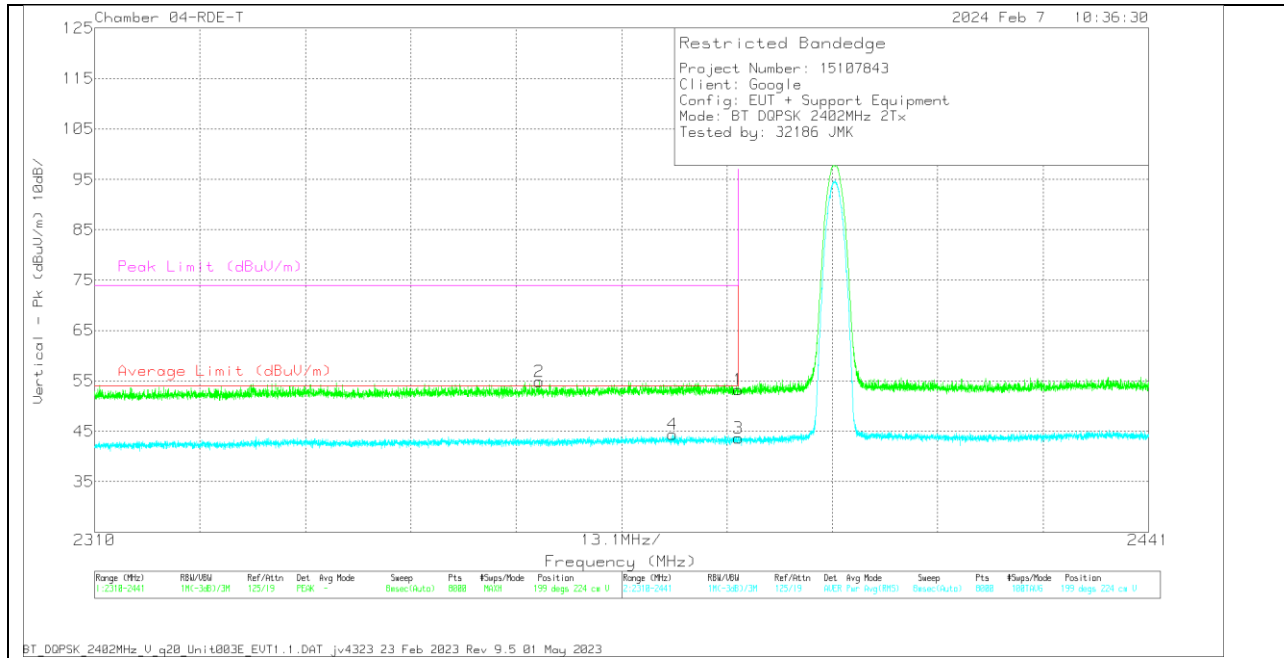
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2390	46.28	Pk	33.3	0	-26.4	53.18	-	-	74	-20.82	324	346	H
2	** 2371.496	48.15	Pk	33.2	0	-26.38	54.97	-	-	74	-19.03	324	346	H
3	*** 2390	35.43	RMS	33.3	1.14	-26.4	43.47	54	-10.53	-	-	324	346	H
4	*** 2386.497	36.24	RMS	33.3	1.14	-26.41	44.27	54	-9.73	-	-	324	346	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

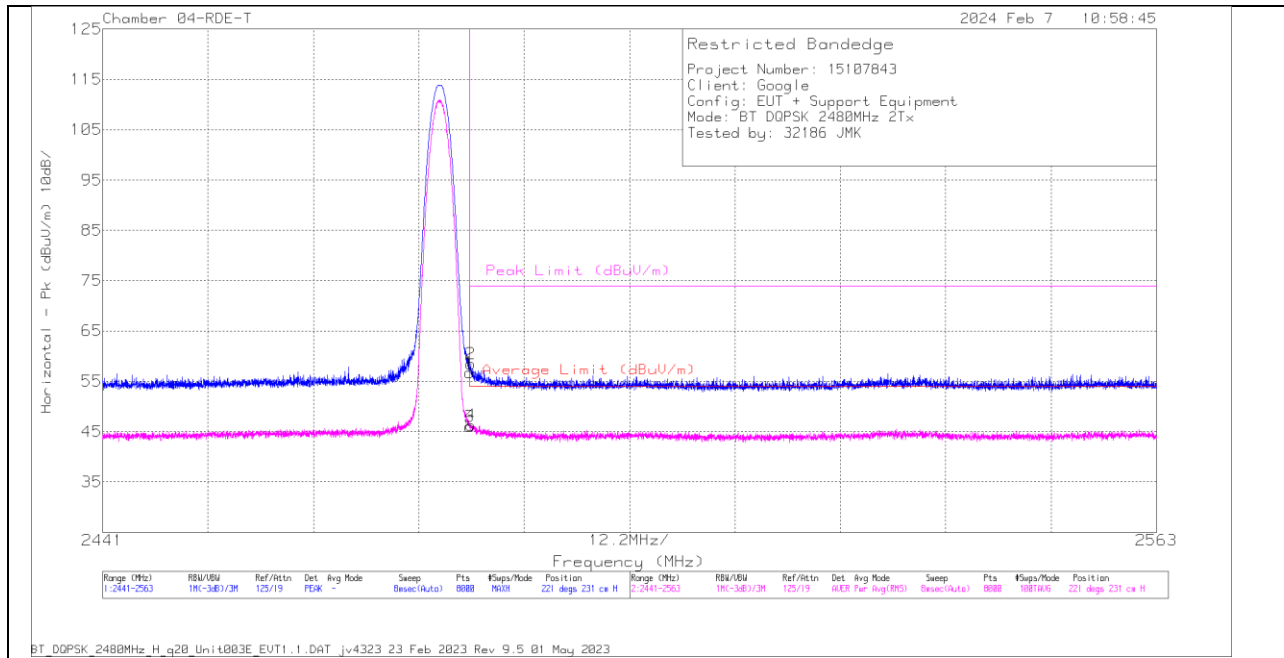


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2390	46.32	Pk	33.3	0	-26.4	53.22	-	-	74	-20.78	199	224	V
2	** 2365.272	48.09	Pk	33.1	0	-26.35	54.84	-	-	74	-19.16	199	224	V
3	** 2390	35.65	RMS	33.3	1.14	-26.4	43.69	54	-10.31	-	-	199	224	V
4	** 2381.862	36.29	RMS	33.2	1.14	-26.28	44.35	54	-9.65	-	-	199	224	V

Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

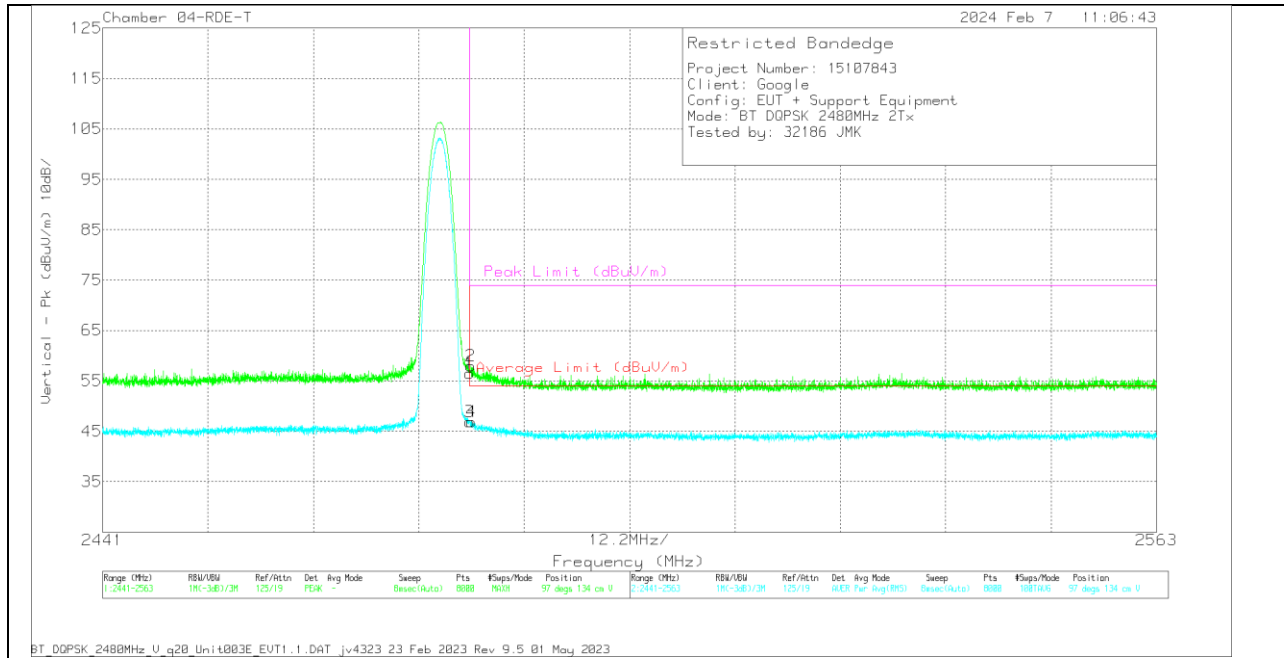
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2483.5	49.75	Pk	33.4	0	-26.38	56.77	-	-	74	-17.23	221	231	H
2	*** 2483.614	51.42	Pk	33.4	0	-26.39	58.43	-	-	74	-15.57	221	231	H
3	*** 2483.5	37.89	RMS	33.4	1.14	-26.38	46.05	54	-7.95	-	-	221	231	H
4	*** 2483.599	38.08	RMS	33.4	1.14	-26.39	46.23	54	-7.77	-	-	221	231	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT

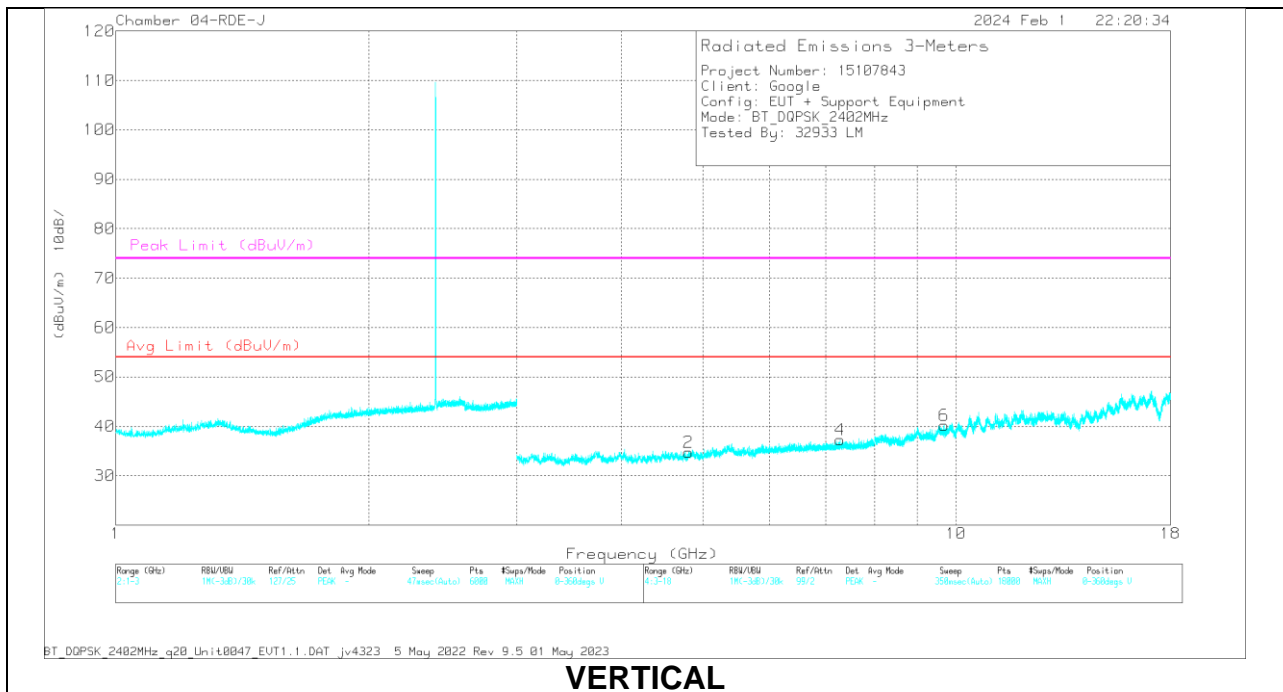
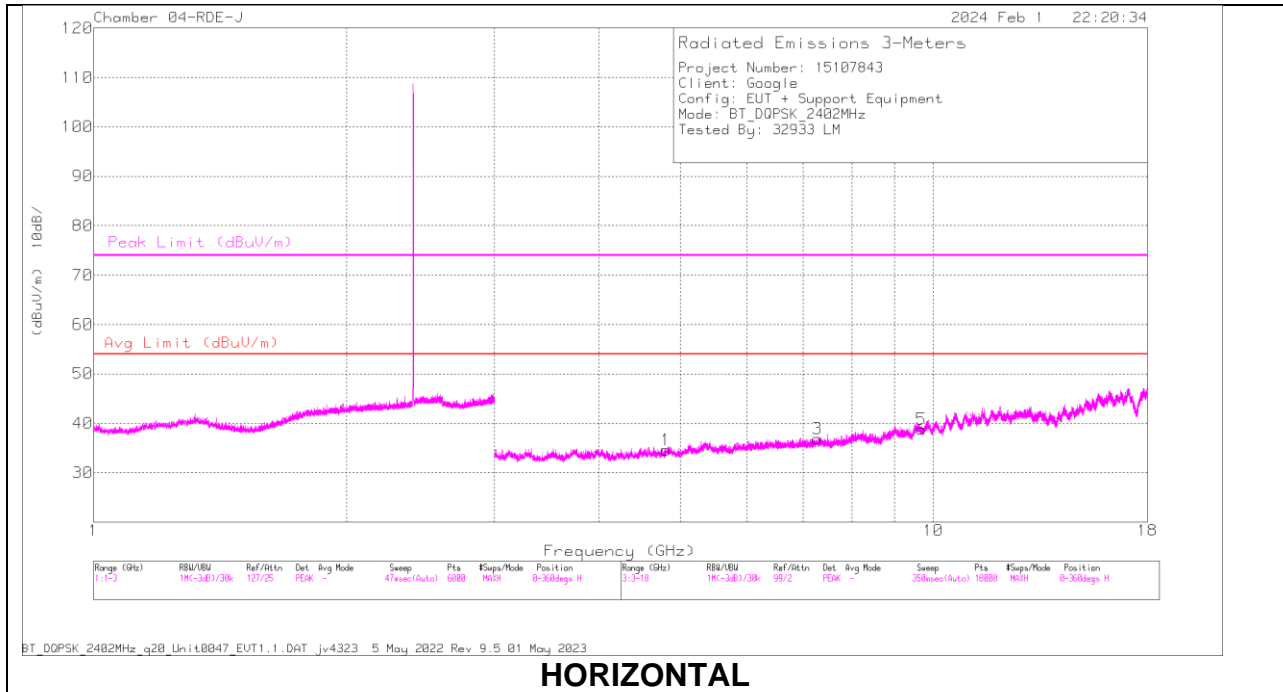


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	***2483.5	49.49	Pk	33.4	0	-26.38	56.51	-	-	74	-17.49	97	134	V
2	***2483.645	50.93	Pk	33.4	0	-26.39	57.94	-	-	74	-16.06	97	134	V
3	***2483.5	38.72	RMS	33.4	1.14	-26.38	46.88	54	-7.12	-	-	97	134	V
4	***2483.675	38.79	RMS	33.4	1.14	-26.39	46.94	54	-7.06	-	-	97	134	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

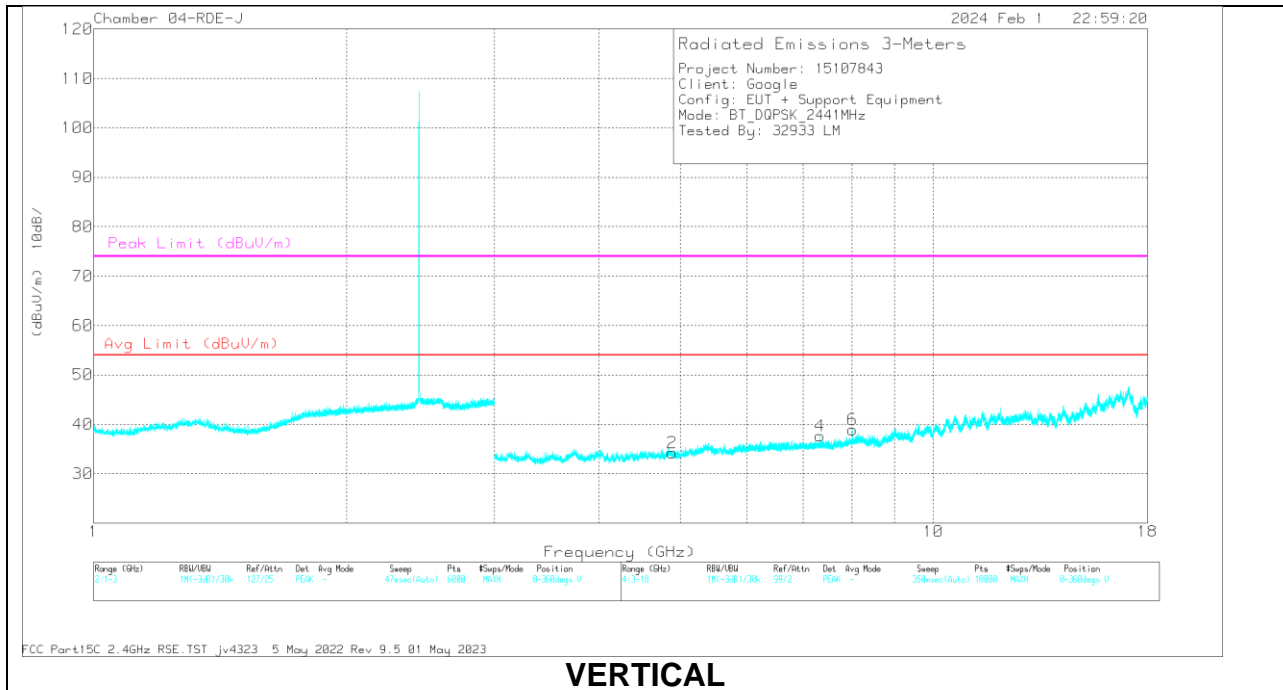
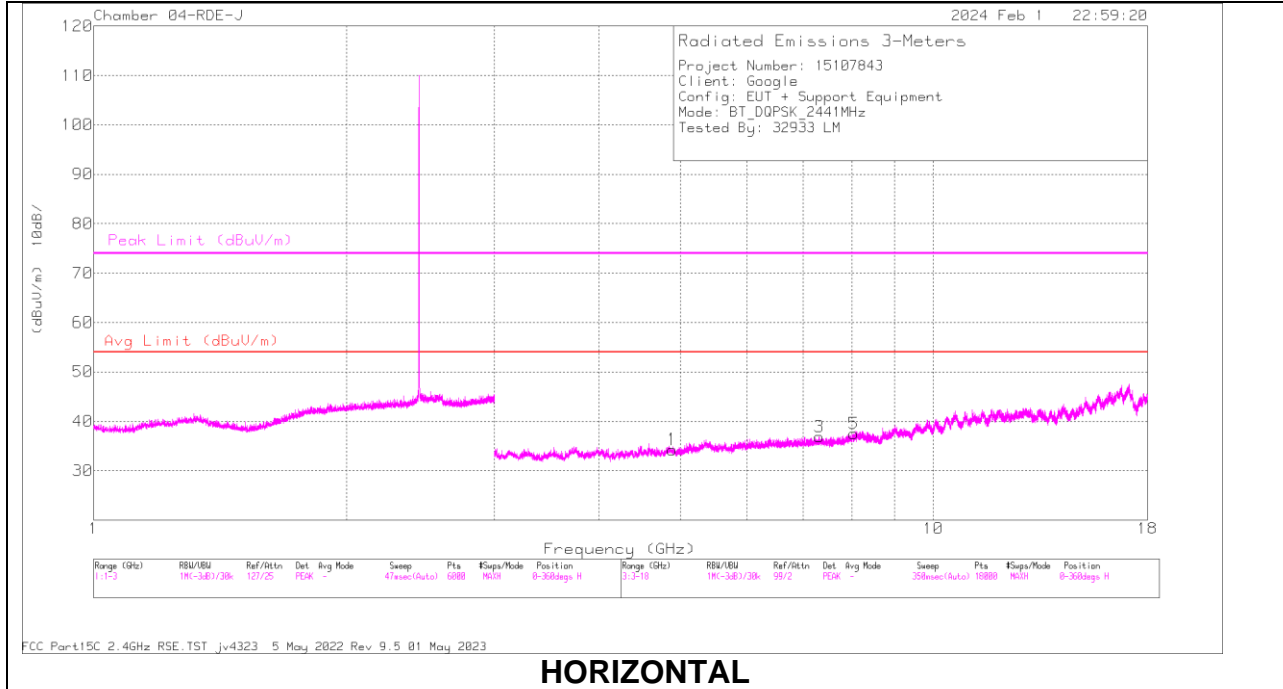


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.806368	56.11	PK2	34	-45	0	45.11	-	-	74	-28.89	303	250	H
	*** 4.806978	44.09	MAv1	34	-45	1.14	34.23	54	-19.77	-	-	303	250	H
2	*** 4.80462	56.05	PK2	34	-45	0	45.05	-	-	74	-28.95	204	304	V
	*** 4.800981	44.14	MAv1	34	-45	1.14	34.28	54	-19.72	-	-	204	304	V
3	*** 7.277886	53.47	PK2	35.8	-42.5	0	46.77	-	-	74	-27.23	121	185	H
	*** 7.276612	41.73	MAv1	35.8	-42.5	1.14	36.17	54	-17.83	-	-	121	185	H
4	*** 7.285695	52.7	PK2	35.8	-42.5	0	46	-	-	74	-28	158	325	V
	*** 7.283957	41.63	MAv1	35.8	-42.5	1.14	36.07	54	-17.93	-	-	158	325	V
5	9.676758	53.3	PK2	36.7	-41	0	49	-	-	-	-	145	363	H
	9.683785	53.96	PK2	36.7	-41.1	0	49.56	-	-	-	-	20	239	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS

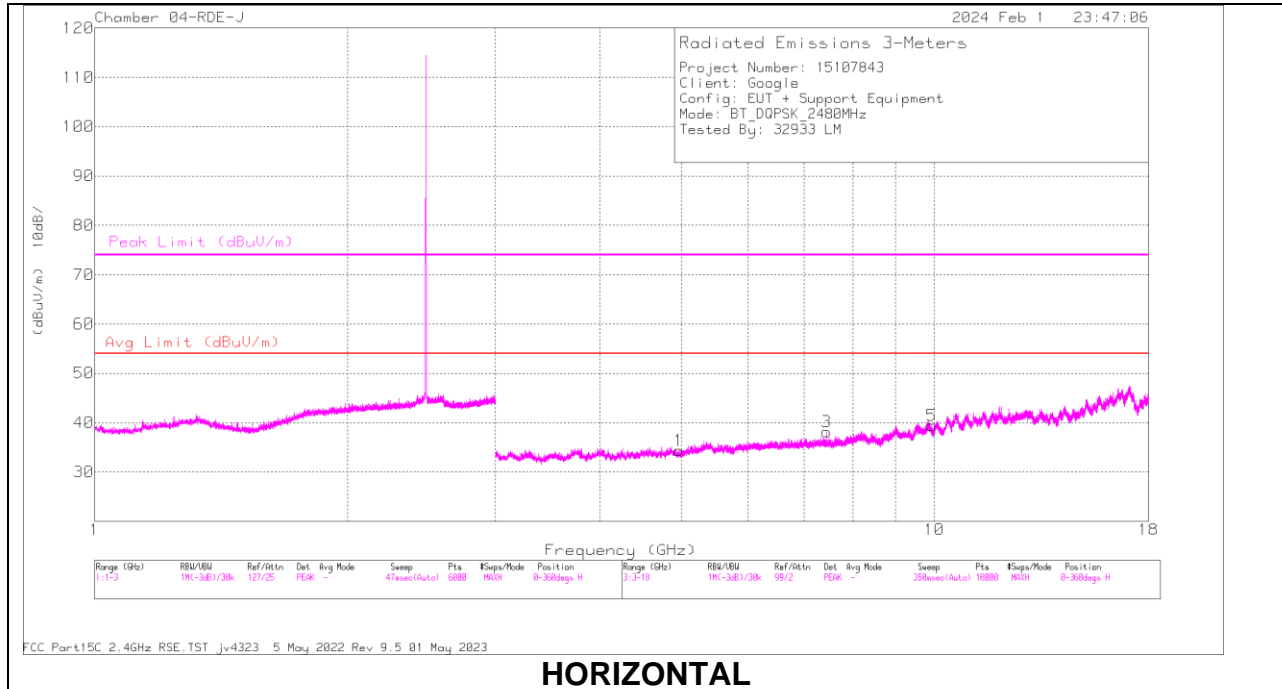


RADIATED EMISSIONS

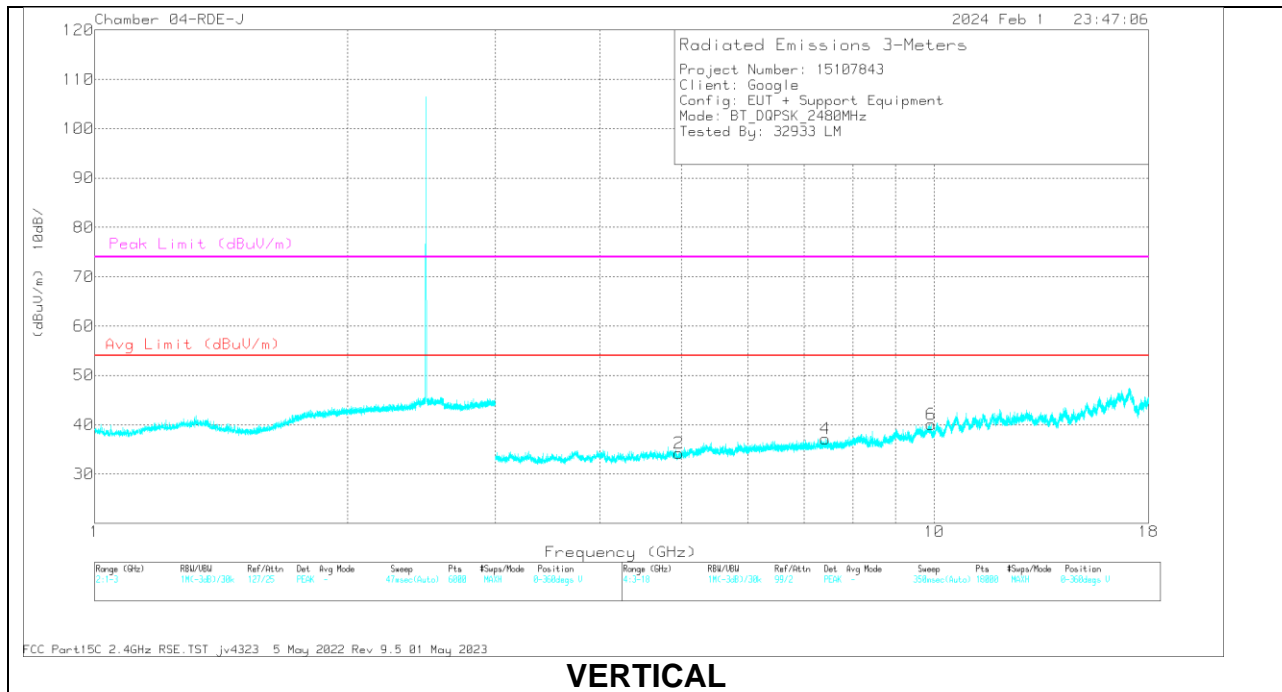
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.887743	55.56	PK2	34	-44.5	0	45.06	-	-	74	-28.94	330	163	H
	*** 4.888803	43.51	MAv1	34	-44.5	1.14	34.15	54	-19.85	-	-	330	163	H
2	*** 4.883223	55.14	PK2	34	-44.4	0	44.74	-	-	74	-29.26	54	171	V
	*** 4.883505	43.49	MAv1	34	-44.5	1.14	34.13	54	-19.87	-	-	54	171	V
3	*** 7.323933	61.94	PK2	35.8	-42.3	0	55.44	-	-	74	-18.56	165	220	H
	*** 7.323277	42.02	MAv1	35.8	-42.3	1.14	36.66	54	-17.34	-	-	165	220	H
4	*** 7.324383	63.96	PK2	35.8	-42.3	0	57.46	-	-	74	-16.54	132	359	V
	*** 7.326943	41.24	MAv1	35.8	-42.3	1.14	35.88	54	-18.12	-	-	132	359	V
5	*** 8.046614	52.35	PK2	35.9	-41.1	0	47.15	-	-	74	-26.85	10	340	H
	*** 8.043497	40.97	MAv1	35.9	-41	1.14	37.01	54	-16.99	-	-	10	340	H
6	8.018723	52.52	PK2	35.9	-41	0	47.42	-	-	-	-	351	372	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.965829	55.09	PK2	34.1	-44.7	0	44.49	-	-	74	-29.51	227	200	H
	*** 4.965261	43.25	MAv1	34.1	-44.7	1.14	33.79	54	-20.21	-	-	227	200	H
2	*** 4.966484	55.29	PK2	34.1	-44.7	0	44.69	-	-	74	-29.31	348	210	V
	*** 4.968021	43.48	MAv1	34.1	-44.6	1.14	34.12	54	-19.88	-	-	348	210	V
3	*** 7.438924	74.31	PK2	35.8	-42.1	0	68.01	-	-	74	-5.99	336	314	H
	*** 7.441046	45.71	MAv1	35.8	-42.2	1.14	40.45	54	-13.55	-	-	336	314	H
4	*** 7.417458	52.48	PK2	35.8	-42.2	0	46.08	-	-	74	-27.92	55	249	V
	*** 7.416894	41.16	MAv1	35.8	-42.2	1.14	35.9	54	-18.1	-	-	55	249	V
5	9.932619	52.68	PK2	37	-40.3	0	49.38	-	-	-	-	347	318	H
	9.92698	53.04	PK2	37	-40.1	0	49.94	-	-	-	-	291	115	V

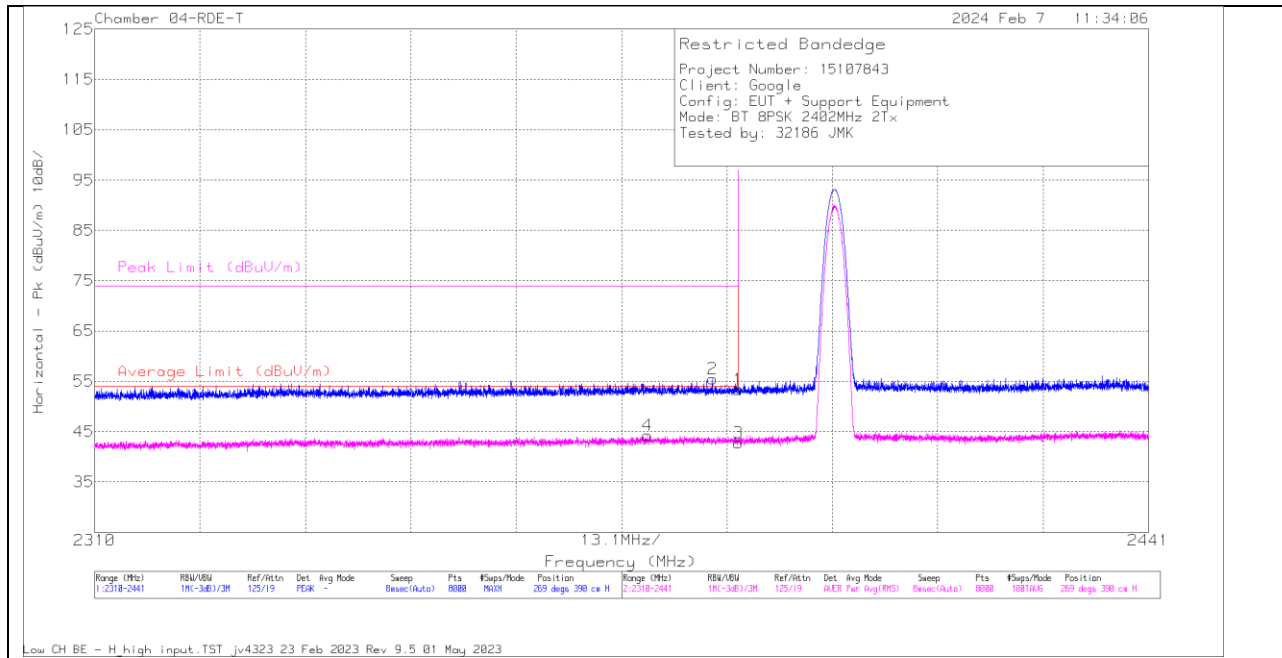
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.2. BT 8PSK TXBF

2Tx

BANDEDGE (LOW CHANNEL)

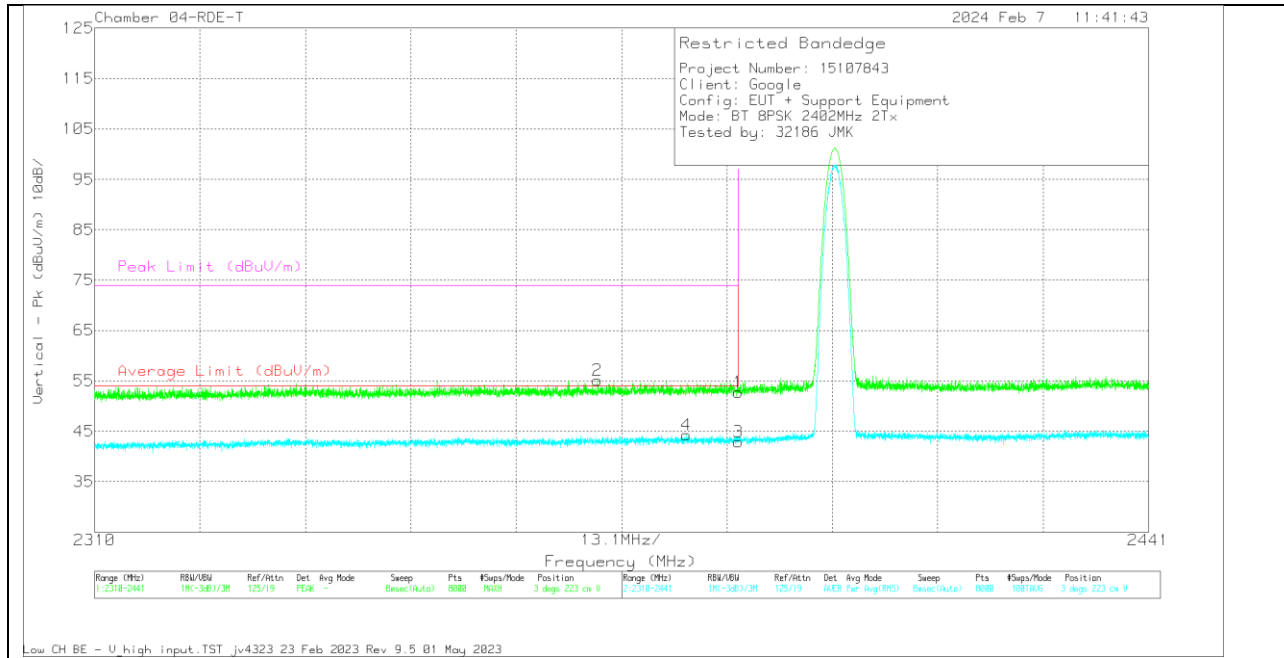
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2390	46.49	Pk	33.3	0	-26.4	53.39	-	-	74	-20.61	269	390	H
2	*** 2386.792	48.56	Pk	33.3	0	-26.4	55.46	-	-	74	-18.54	269	390	H
3	** 2390	34.77	RMS	33.3	1.13	-26.4	42.81	54	-11.19	-	-	269	390	H
4	*** 2378.718	36.07	RMS	33.2	1.13	-26.15	44.26	54	-9.74	-	-	269	390	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

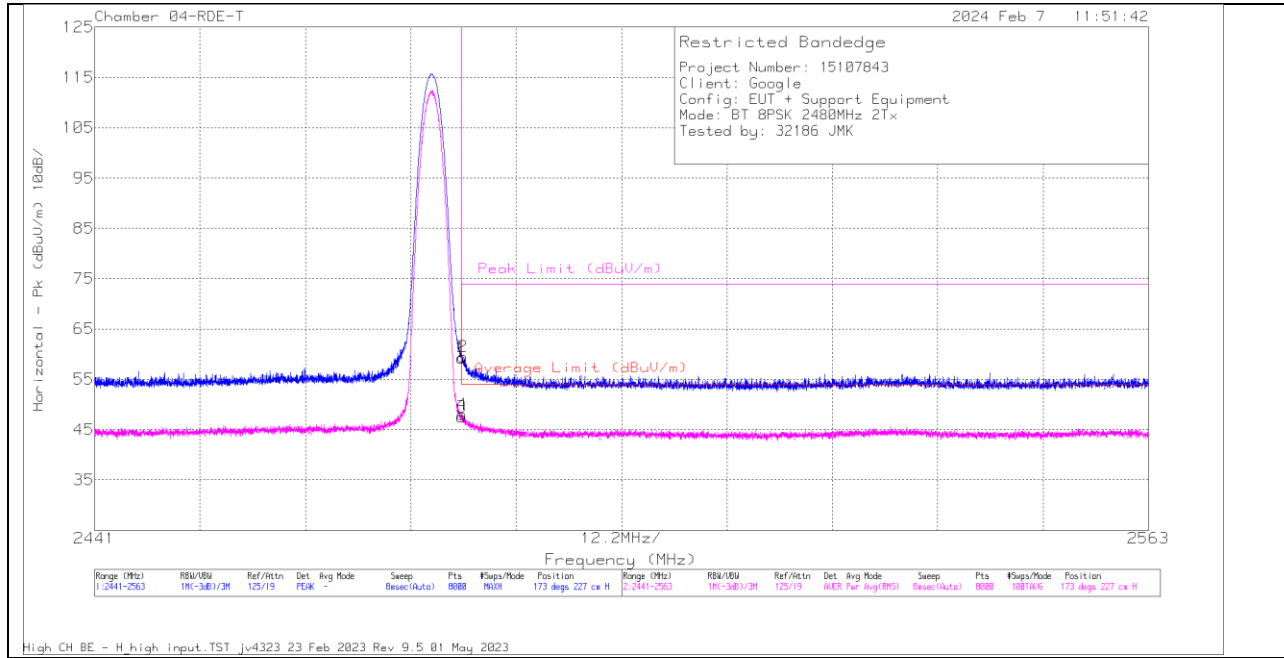


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2390	45.86	Pk	33.3	0	-26.4	52.76	-	-	74	-21.24	3	223	V
2	** 2372.495	48.31	Pk	33.2	0	-26.39	55.12	-	-	74	-18.88	3	223	V
3	** 2390	34.85	RMS	33.3	1.13	-26.4	42.88	54	-11.12	-	-	3	223	V
4	*** 2383.533	36.08	RMS	33.3	1.13	-26.27	44.24	54	-9.76	-	-	3	223	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

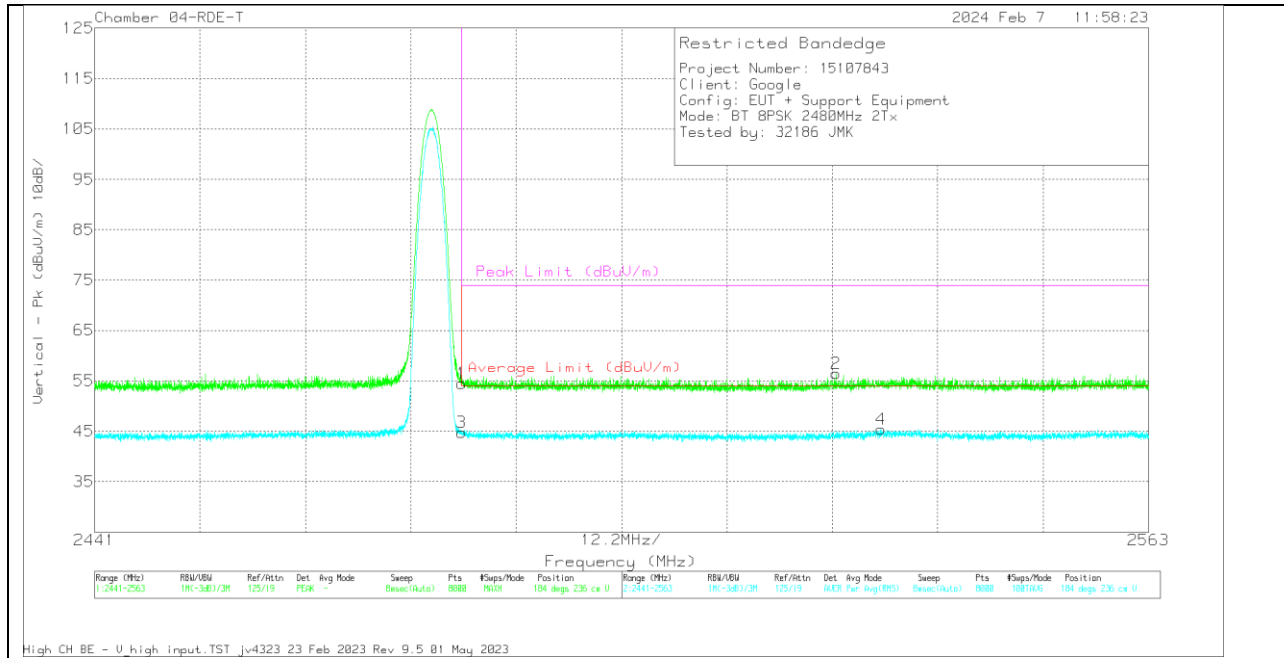
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2483.5	52.26	Pk	33.4	0	-26.38	59.28	-	-	74	-14.72	173	227	H
2	** 2483.629	52.46	Pk	33.4	0	-26.39	59.47	-	-	74	-14.53	173	227	H
3	** 2483.5	39.42	RMS	33.4	1.13	-26.38	47.57	54	-6.43	-	-	173	227	H
4	** 2483.523	39.81	RMS	33.4	1.13	-26.38	47.96	54	-6.04	-	-	173	227	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

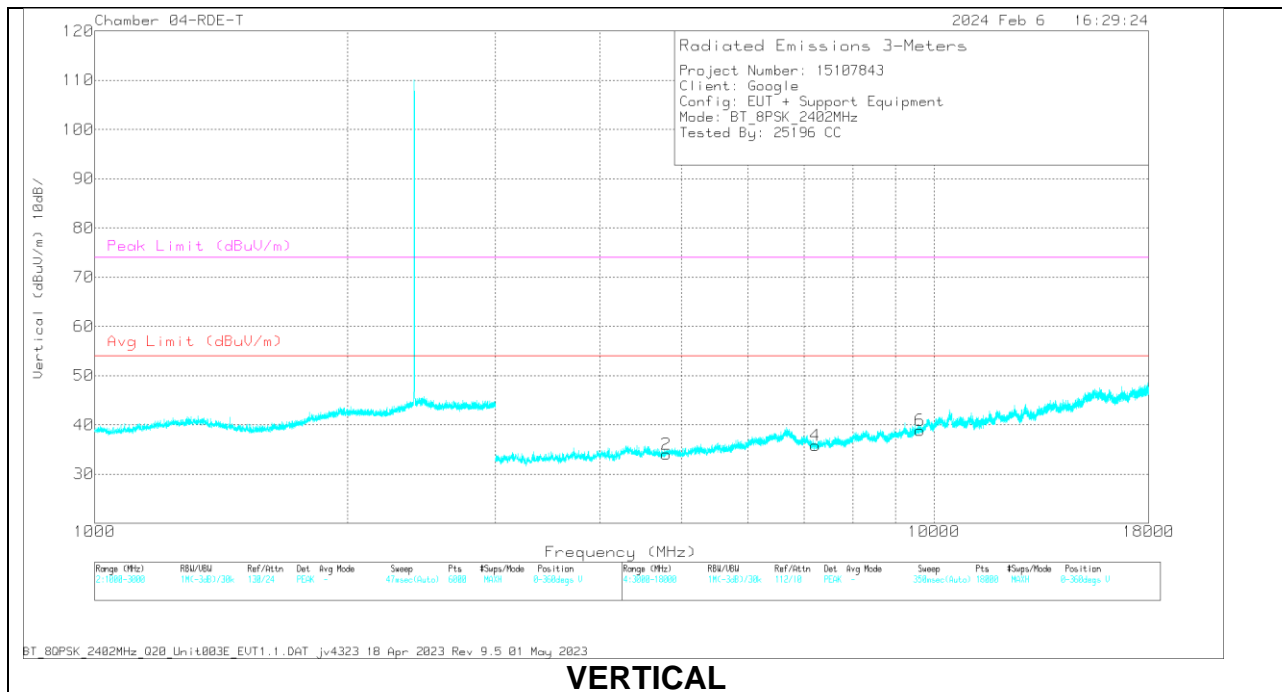
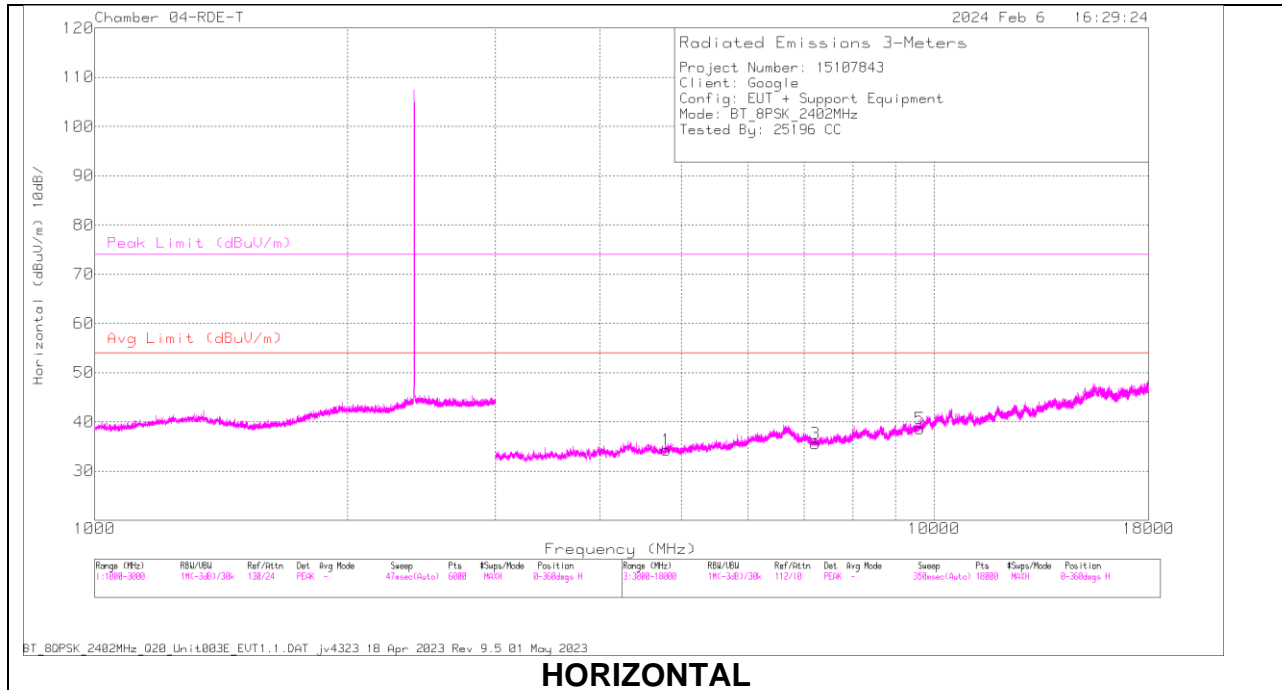


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2483.5	47.42	Pk	33.4	0	-26.38	54.44	-	-	74	-19.56	184	236	V
2	** 2526.808	49.14	Pk	33.2	0	-25.89	56.45	-	-	74	-17.55	184	236	V
3	*** 2483.5	36.59	RMS	33.4	1.13	-26.38	44.74	54	-9.26	-	-	184	236	V
4	** 2532.009	36.78	RMS	33.2	1.13	-25.68	45.43	54	-8.57	-	-	184	236	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4795.695	58.04	PK2	34.1	0	-46.43	45.71	-	-	74	-28.29	109	141	H
	*** 4798.598	45.76	MAv1	34.1	1.13	-46.75	34.24	54	-19.76	-	-	109	141	H
2	*** 4797.545	57.25	PK2	34.1	0	-46.67	44.68	-	-	74	-29.32	56	232	V
	*** 4798.038	45.56	MAv1	34.1	1.13	-46.7	34.09	54	-19.91	-	-	56	232	V
3	7218.283	55.18	PK2	35.4	0	-44.52	46.06	-	-	74	-27.94	85	127	H
	7219.122	55.66	PK2	35.4	0	-44.48	46.58	-	-	74	-27.42	251	133	V
5	9617.343	54.86	PK2	36.7	0	-42.29	49.27	-	-	74	-24.73	288	385	H
	9616.726	54.79	PK2	36.7	0	-42.33	49.16	-	-	74	-24.84	189	298	V

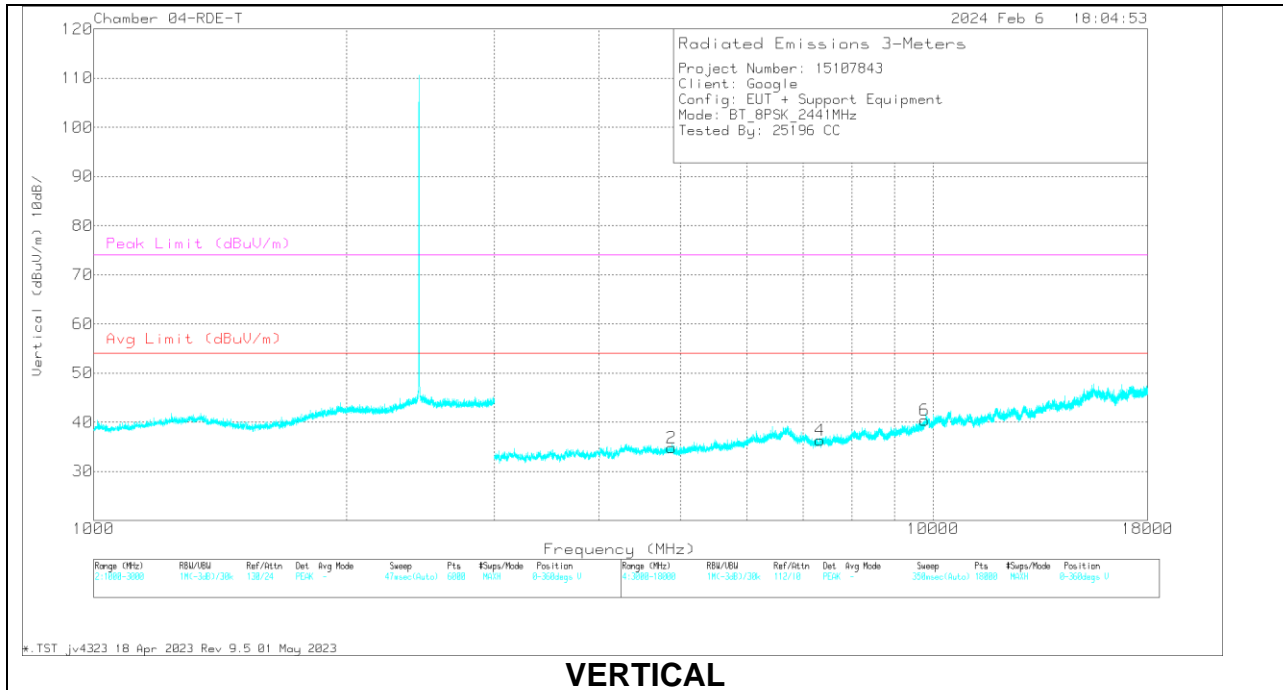
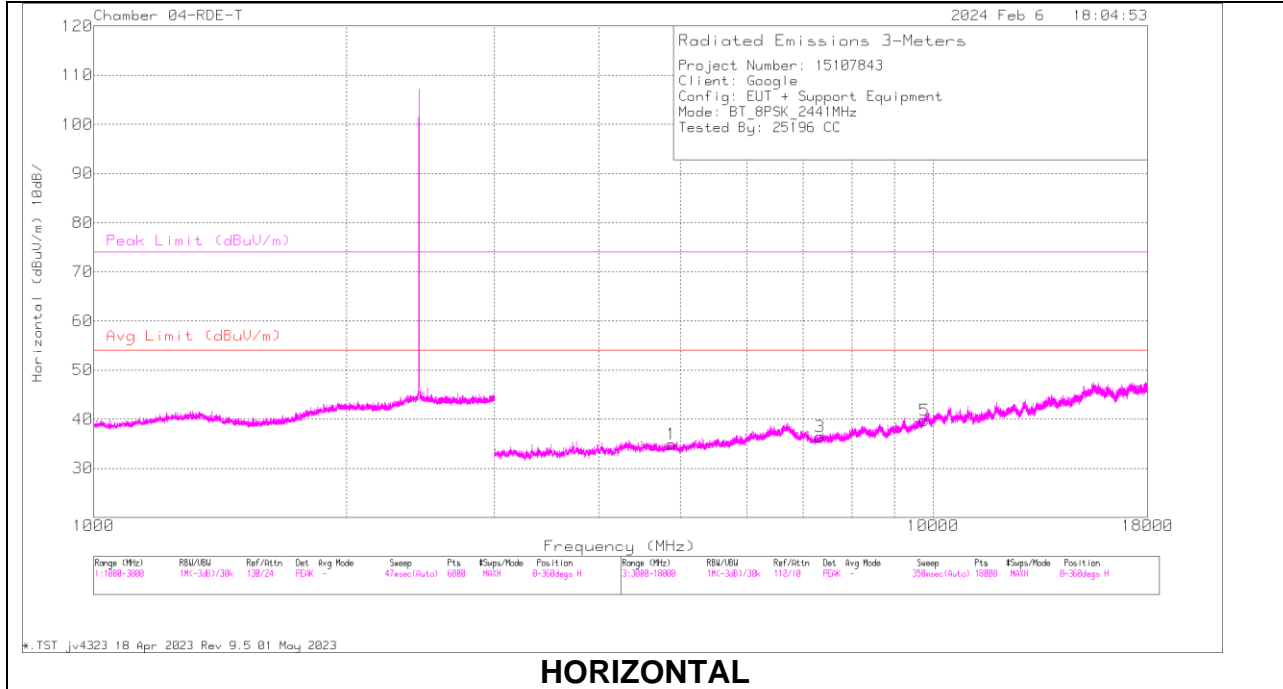
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS

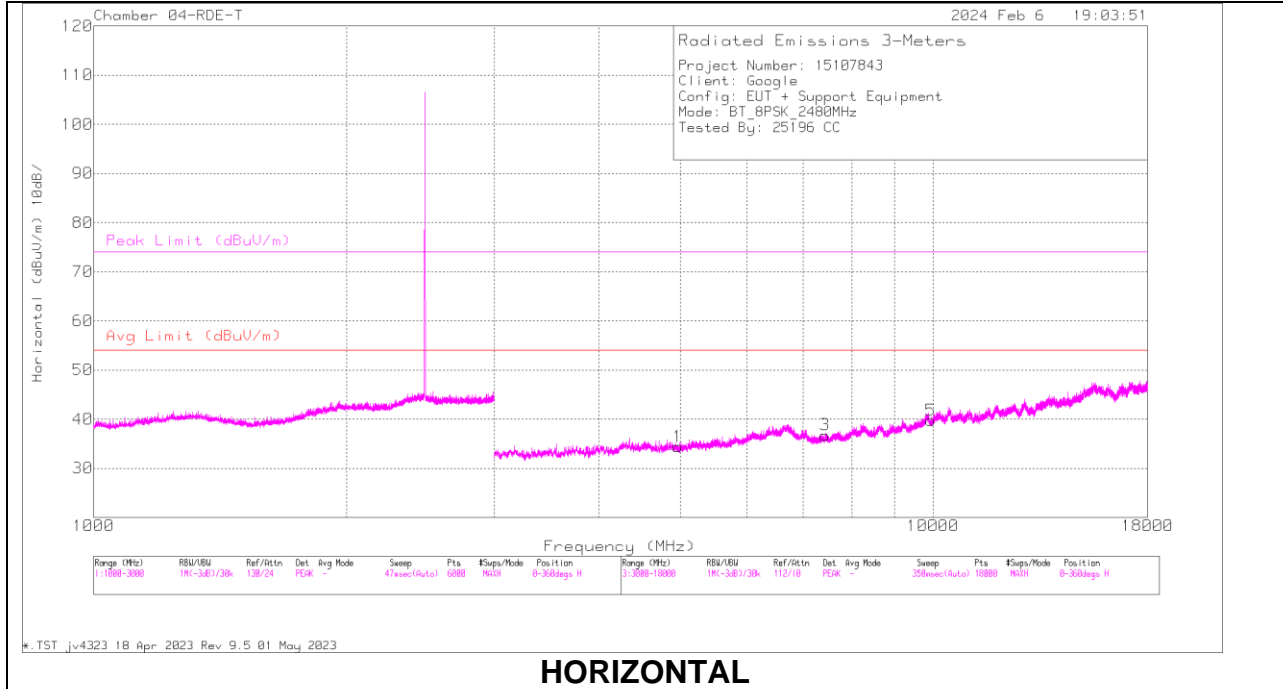


RADIATED EMISSIONS

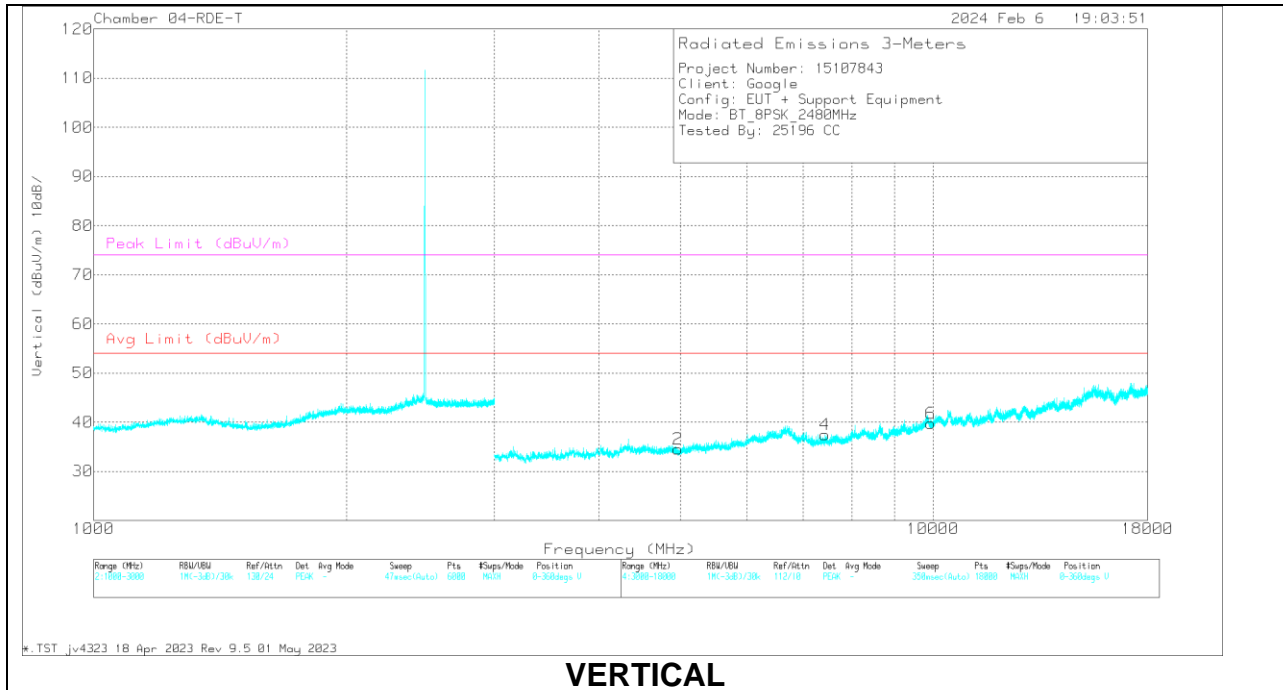
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4882.489	57.32	PK2	34	0	-46.75	44.57	-	-	74	-29.43	57	101	H
	*** 4882.103	46.01	MAv1	34	1.13	-46.74	34.4	54	-19.6	-	-	57	101	H
2	*** 4881.124	57.7	PK2	34	0	-46.67	45.03	-	-	74	-28.97	114	114	V
	*** 4879.337	45.91	MAv1	34	1.13	-46.67	34.37	54	-19.63	-	-	114	114	V
3	*** 7330.149	55.42	PK2	35.4	0	-44.22	46.6	-	-	74	-27.4	195	150	H
	*** 7329.841	43.86	MAv1	35.4	1.13	-44.25	36.14	54	-17.86	-	-	195	150	H
4	*** 7333.711	56.19	PK2	35.4	0	-44.14	47.45	-	-	74	-26.55	252	394	V
	*** 7336.965	43.73	MAv1	35.4	1.13	-44.07	36.19	54	-17.81	-	-	252	394	V
5	9775.396	55.25	PK2	37.1	0	-42.57	49.78	-	-	74	-24.22	53	330	H
6	9766.195	55.32	PK2	37.1	0	-42.56	49.86	-	-	74	-24.14	287	377	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4960.853	56.75	PK2	34.1	0	-46.7	44.15	-	-	74	-29.85	146	147	H
	*** 4961.25	45.63	MAv1	34.1	1.13	-46.71	34.15	54	-19.85	-	-	146	147	H
2	*** 4965.088	56.59	PK2	34.1	0	-46.55	44.14	-	-	74	-29.86	188	301	V
	*** 4964.348	45.35	MAv1	34.1	1.13	-46.6	33.98	54	-20.02	-	-	188	301	V
3	*** 7432.307	55.63	PK2	35.5	0	-44.32	46.81	-	-	74	-27.19	109	256	H
	*** 7430.333	43.89	MAv1	35.5	1.13	-44.34	36.18	54	-17.82	-	-	109	256	H
4	*** 7427.444	55.99	PK2	35.5	0	-44.4	47.09	-	-	74	-26.91	262	364	V
	*** 7427.663	43.83	MAv1	35.5	1.13	-44.4	36.06	54	-17.94	-	-	262	364	V
5	9938.69	54.84	PK2	37.5	0	-42.65	49.69	-	-	74	-24.31	53	328	H
6	9938.448	54.85	PK2	37.5	0	-42.63	49.72	-	-	74	-24.28	155	363	V

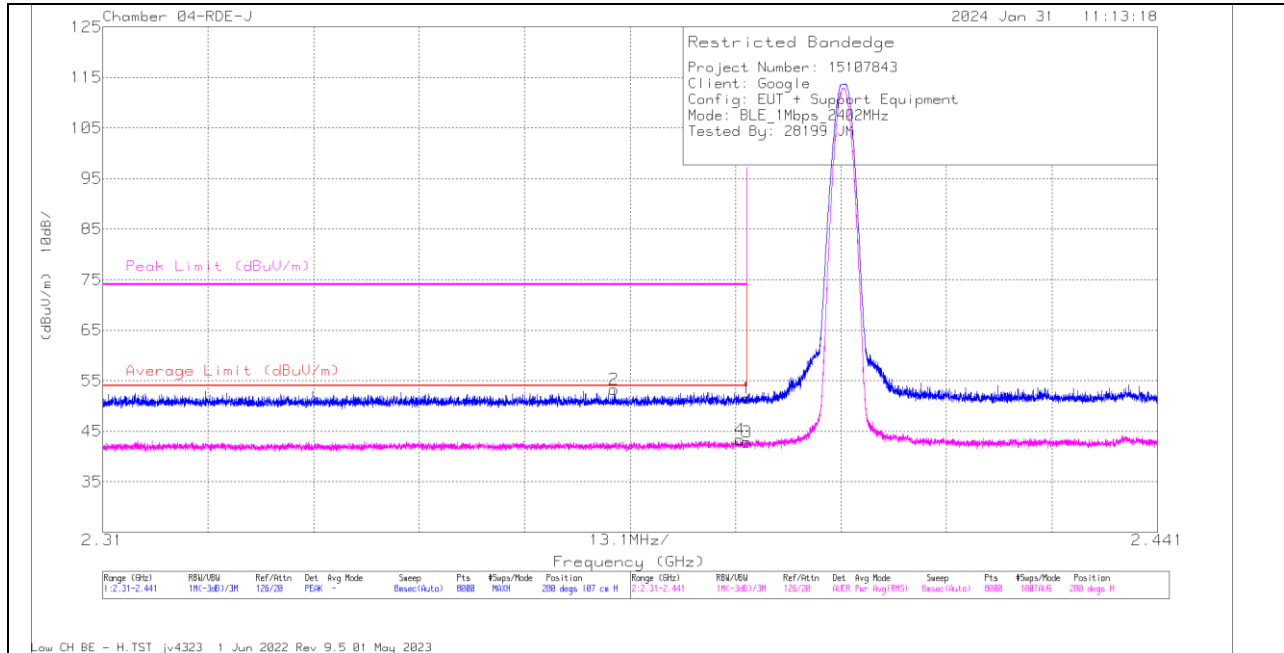
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.3. BLE 1Mbps TXBF

2Tx

BANDEDGE (LOW CHANNEL)

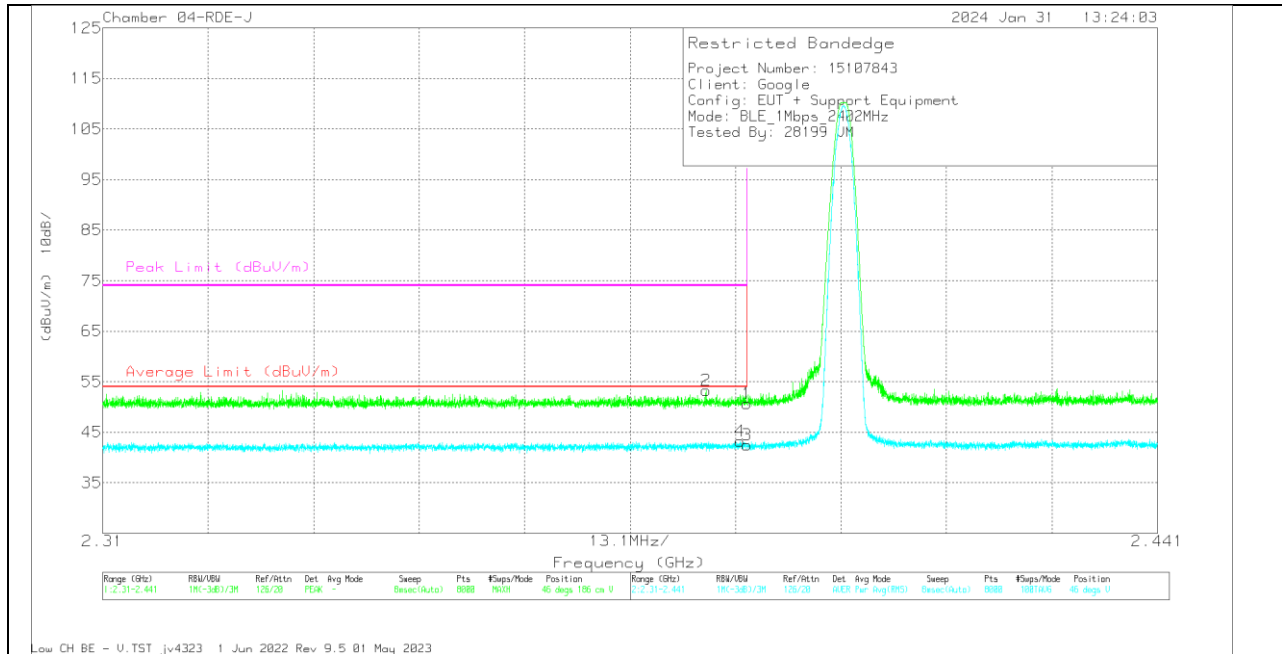
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (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	56.67	Pk	32	-37.1	0	51.57	-	-	74	-22.43	280	107	H
2	*** 2.373543	58.38	Pk	32	-37.1	0	53.28	-	-	74	-20.72	280	107	H
3	*** 2.39	45.74	RMS	32	-37.1	2.21	42.85	54	-11.15	-	-	280	107	H
4	** 2.389166	46.21	RMS	32	-37.1	2.21	43.32	54	-10.68	-	-	280	107	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT

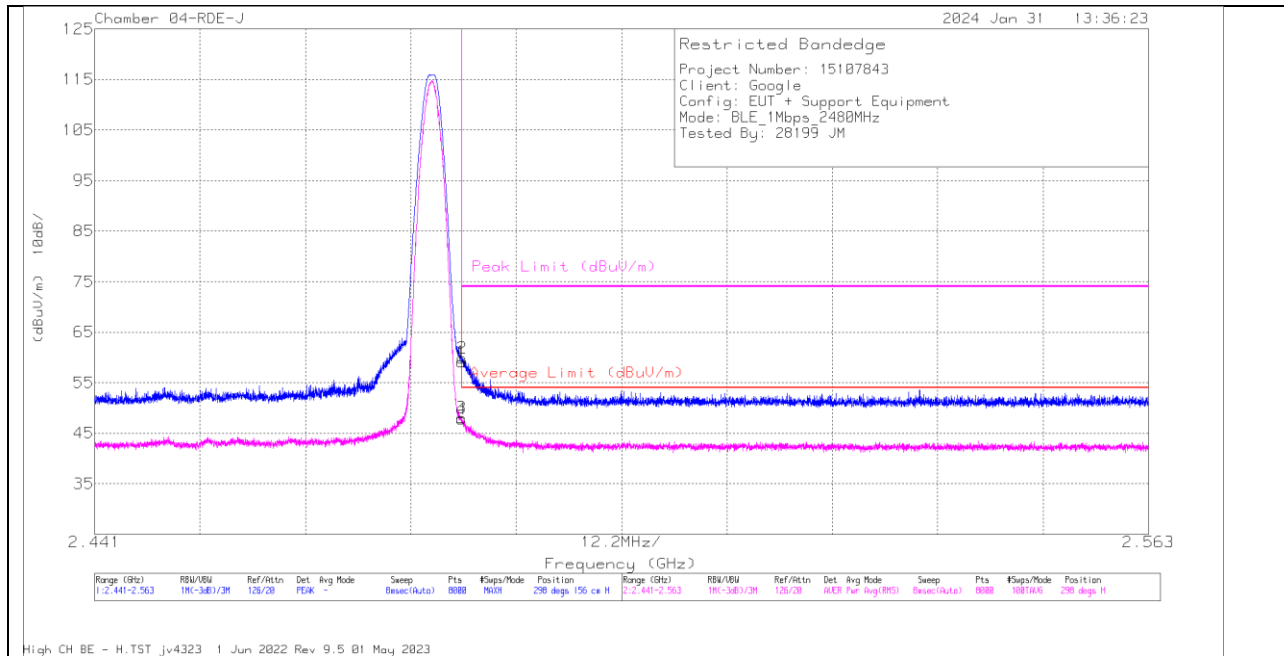


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.39	55.73	Pk	32	-37.1	0	50.63	-	-	74	-23.37	46	186	V
2	** 2.384958	58.27	Pk	32	-37	0	53.27	-	-	74	-20.73	46	186	V
3	** 2.39	45.31	RMS	32	-37.1	2.21	42.42	54	-11.58	-	-	46	186	V
4	*** 2.389183	46.1	RMS	32	-37.1	2.21	43.21	54	-10.79	-	-	46	186	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

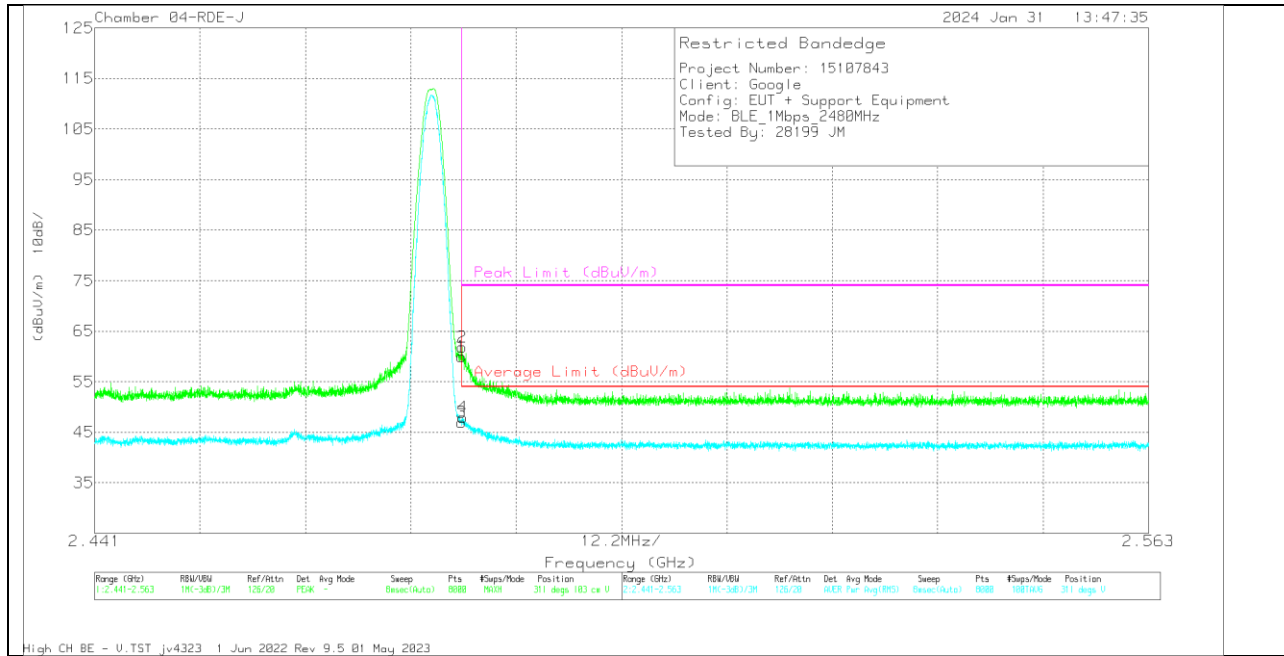
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (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	63.88	Pk	32.2	-37	0	59.08	-	-	74	-14.92	298	156	H
2	***2.483523	64.67	Pk	32.2	-37	0	59.87	-	-	74	-14.13	298	156	H
3	***2.4835	50.61	RMS	32.2	-37	2.21	48.02	54	-5.98	-	-	298	156	H
4	***2.483507	50.36	RMS	32.2	-37	2.21	47.77	54	-6.23	-	-	298	156	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

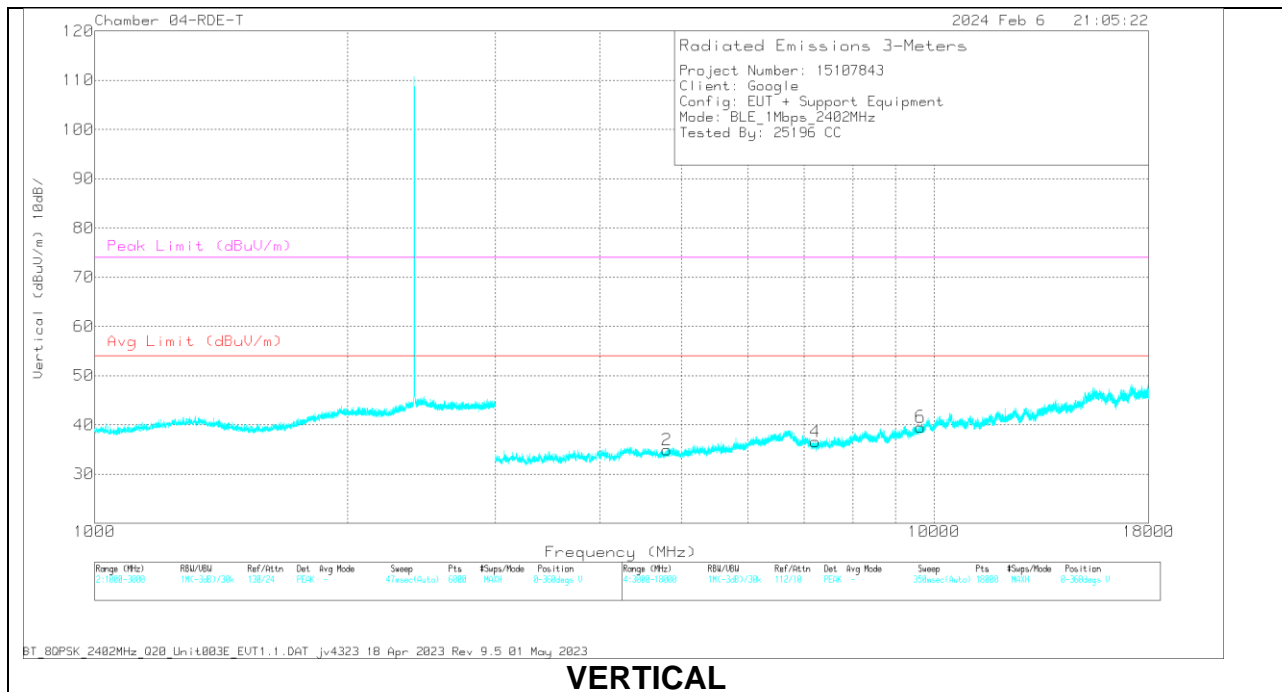
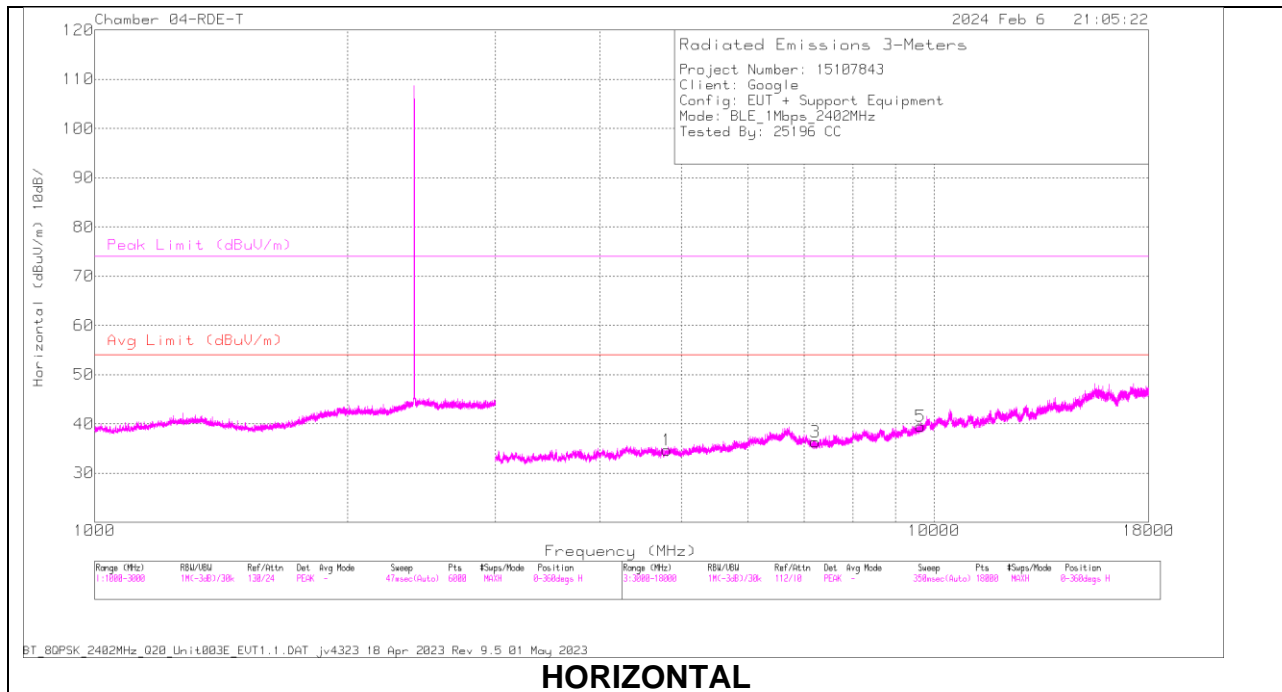


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	64.83	Pk	32.2	-37	0	60.03	-	-	74	-13.97	311	103	V
2	*** 2.483523	66.68	Pk	32.2	-37	0	61.88	-	-	74	-12.12	311	103	V
3	*** 2.4835	49.48	RMS	32.2	-37	2.21	46.89	54	-7.11	-	-	311	103	V
4	*** 2.483584	50.47	RMS	32.2	-37	2.21	47.88	54	-6.12	-	-	311	103	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4801.72	57.62	PK2	34.1	0	-46.72	45	-	-	74	-29	245	228	H
	*** 4803.003	45.79	MAv1	34.1	2.21	-46.7	35.4	54	-18.6	-	-	245	228	H
2	*** 4803.804	57.82	PK2	34.1	0	-46.71	45.21	-	-	74	-28.79	156	237	V
	*** 4804.18	45.88	MAv1	34.1	2.21	-46.72	35.47	54	-18.53	-	-	156	237	V
3	7224.812	55.01	PK2	35.4	0	-44.58	45.83	-	-	74	-28.17	278	179	H
4	7221.361	55.88	PK2	35.4	0	-44.46	46.82	-	-	74	-27.18	267	187	V
5	9635.178	54.08	PK2	36.7	0	-42.17	48.61	-	-	74	-25.39	89	377	H
6	9632.186	54.72	PK2	36.7	0	-42.23	49.19	-	-	74	-24.81	201	244	V

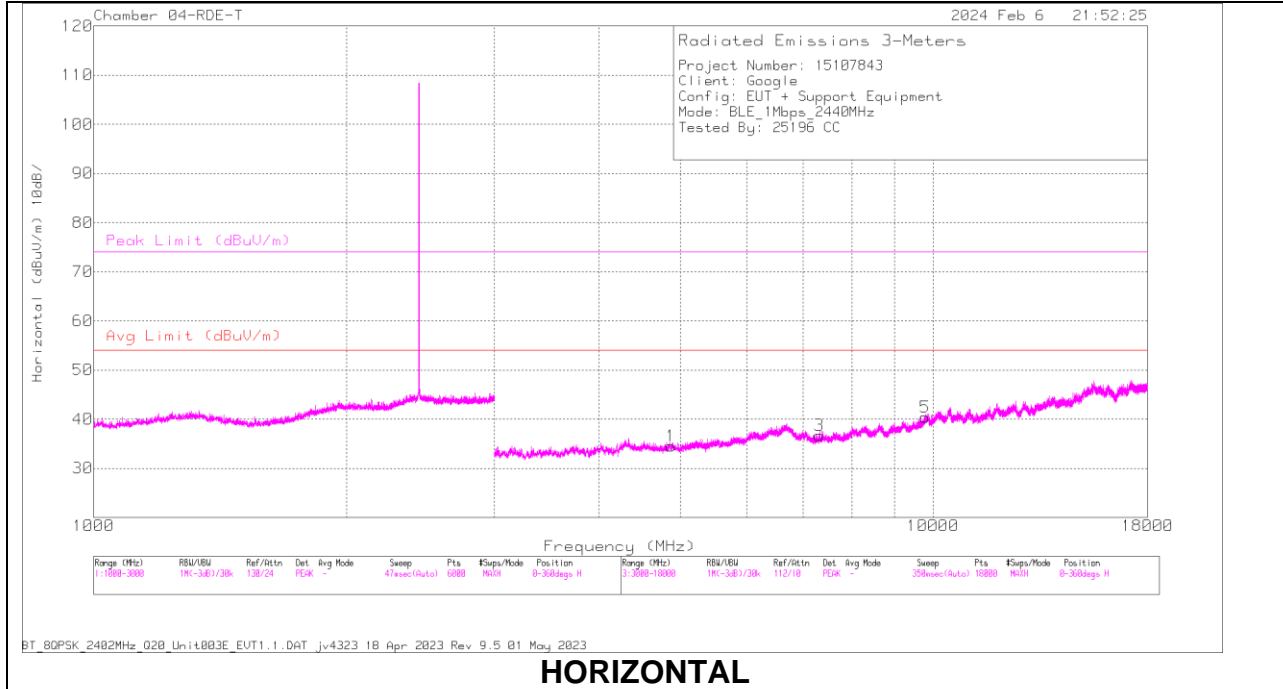
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

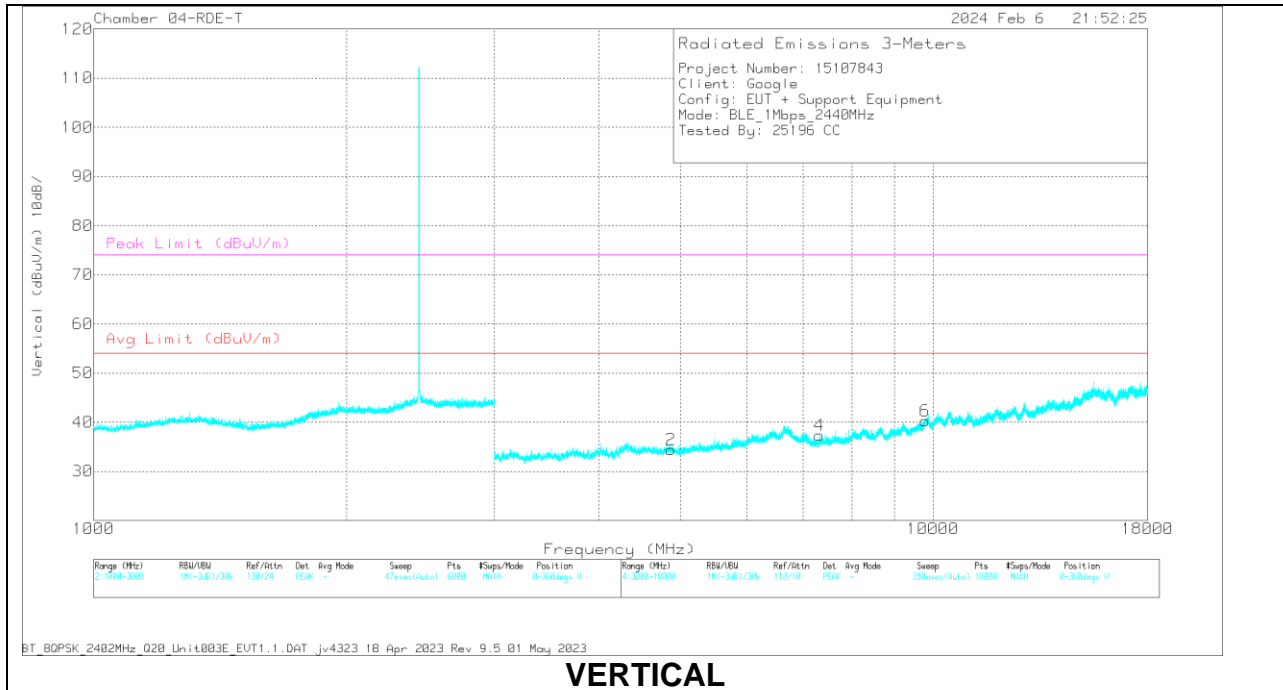
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



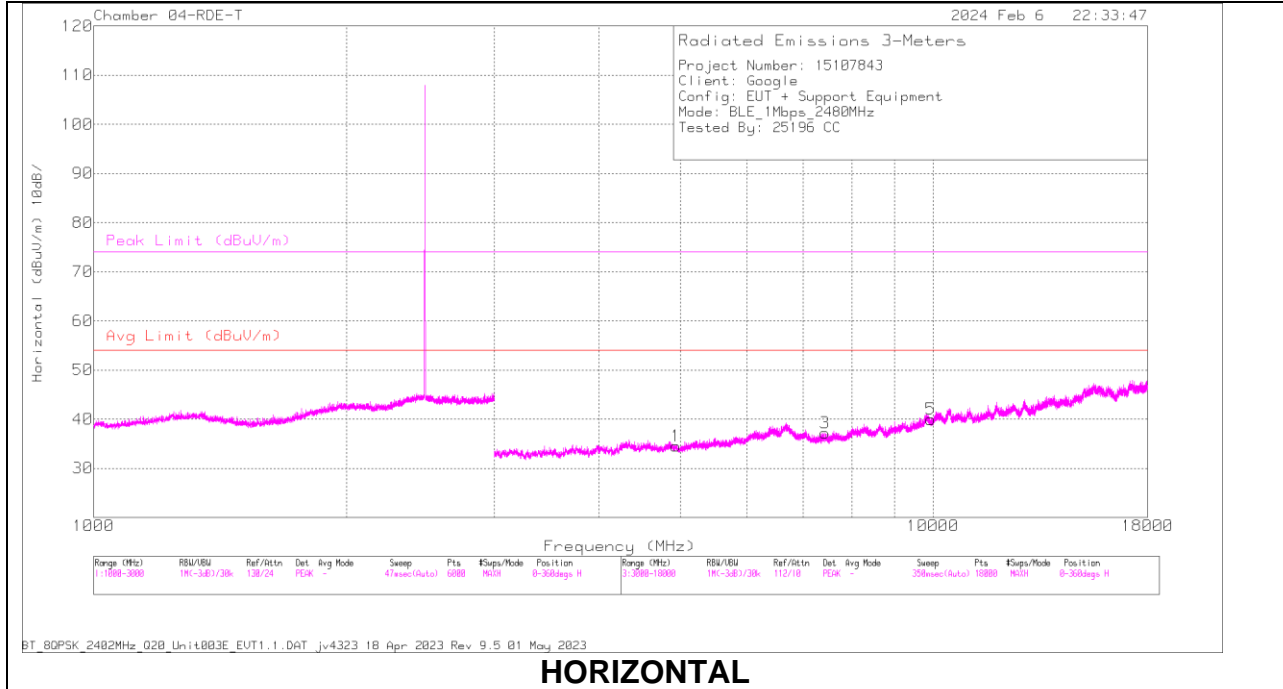
VERTICAL

RADIATED EMISSIONS

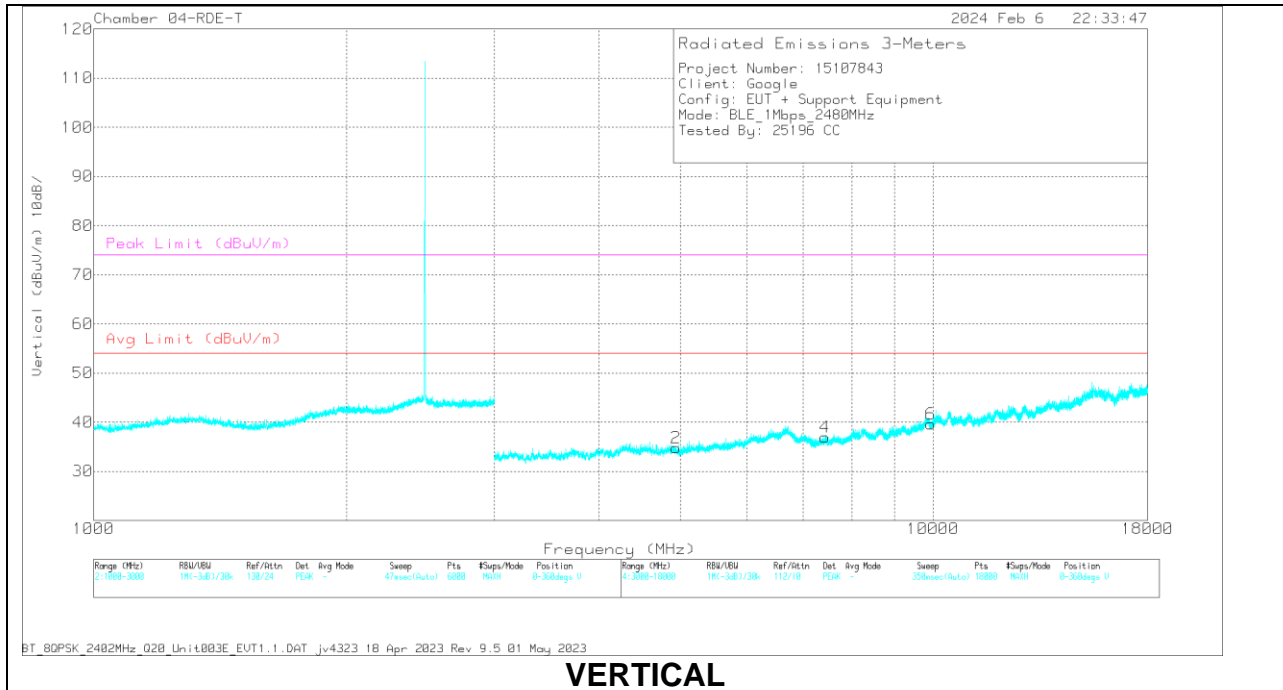
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4867.382	57.47	PK2	34	0	-46.8	44.67	-	-	74	-29.33	238	177	H
	*** 4870.653	45.85	MAv1	34	2.21	-46.6	35.46	54	-18.54	-	-	238	177	H
2	*** 4869.452	57.48	PK2	34	0	-46.7	44.78	-	-	74	-29.22	269	327	V
	*** 4871.021	46.03	MAv1	34	2.21	-46.57	35.67	54	-18.33	-	-	269	327	V
3	*** 7318.59	54.96	PK2	35.4	0	-44.24	46.12	-	-	74	-27.88	72	207	H
	*** 7318.737	43.83	MAv1	35.4	2.21	-44.24	37.2	54	-16.8	-	-	72	207	H
4	*** 7316.49	55.63	PK2	35.4	0	-44.27	46.76	-	-	74	-27.24	186	260	V
	*** 7319.698	43.93	MAv1	35.4	2.21	-44.23	37.31	54	-16.69	-	-	186	260	V
5	9781.049	55.69	PK2	37.1	0	-42.4	50.39	-	-	74	-23.61	13	348	H
6	9776.99	55.59	PK2	37.1	0	-42.53	50.16	-	-	74	-23.84	24	342	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4936.79	57.1	PK2	34.1	0	-46.7	44.5	-	-	74	-29.5	284	161	H
	*** 4935.87	45.93	MAv1	34.1	2.21	-46.71	35.53	54	-18.47	-	-	284	161	H
2	*** 4937.881	57.01	PK2	34.1	0	-46.72	44.39	-	-	74	-29.61	33	323	V
	*** 4938.096	45.68	MAv1	34.1	2.21	-46.72	35.27	54	-18.73	-	-	33	323	V
3	*** 7433.853	55.35	PK2	35.5	0	-44.18	46.67	-	-	74	-27.33	257	116	H
	*** 7435.304	43.9	MAv1	35.5	2.21	-44.21	37.4	54	-16.6	-	-	257	116	H
4	*** 7428.939	55.34	PK2	35.5	0	-44.36	46.48	-	-	74	-27.52	58	335	V
	*** 7428.47	43.94	MAv1	35.5	2.21	-44.39	37.26	54	-16.74	-	-	58	335	V
5	9938.979	54.54	PK2	37.5	0	-42.67	49.37	-	-	74	-24.63	304	121	H
6	9938.673	55.09	PK2	37.5	0	-42.65	49.94	-	-	74	-24.06	252	227	V

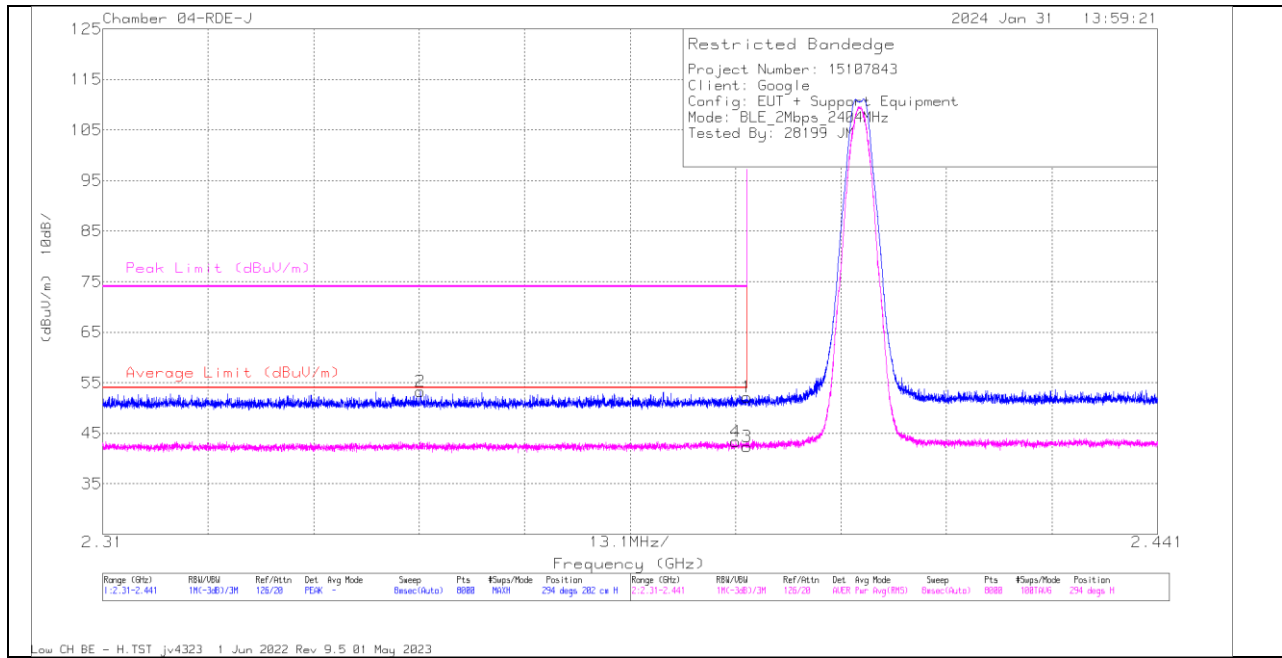
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.4. BLE 2Mbps TXBF

2Tx

BANDEDGE (LOW CHANNEL)

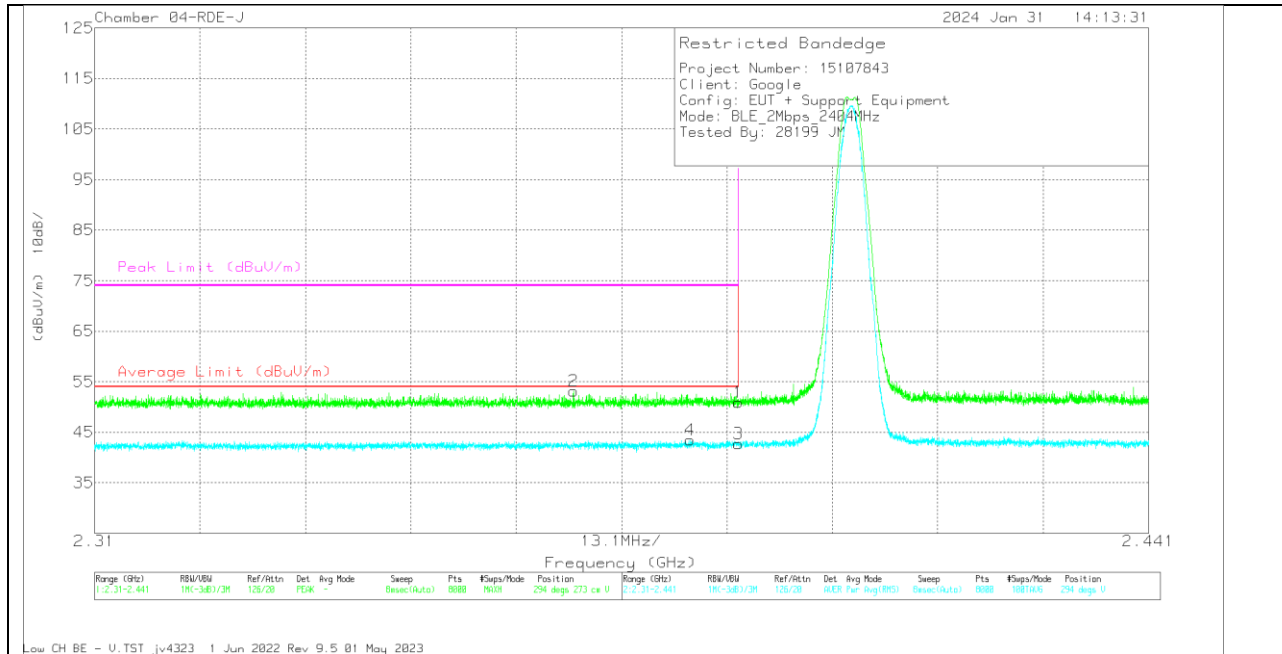
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (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	57.29	Pk	32	-37.1	0	52.19	-	-	74	-21.81	294	202	H
2	** 2.349469	58.32	Pk	31.9	-37	0	53.22	-	-	74	-20.78	294	202	H
3	** 2.39	45.05	RMS	32	-37.1	2.45	42.4	54	-11.6	-	-	294	202	H
4	** 2.388626	46.03	RMS	32	-37.1	2.45	43.38	54	-10.62	-	-	294	202	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT

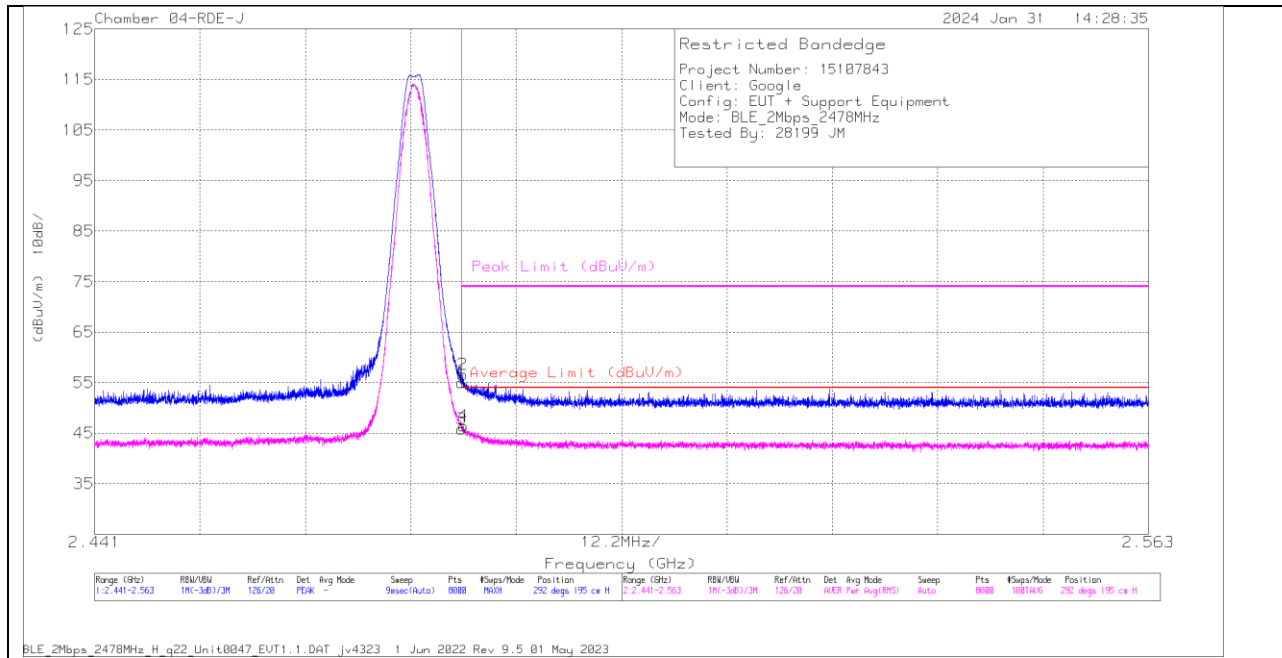


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.39	56.03	Pk	32	-37.1	0	50.93	-	-	74	-23.07	294	273	V
2	*** 2.369514	58.46	Pk	31.9	-37.2	0	53.16	-	-	74	-20.84	294	273	V
3	*** 2.39	45.4	RMS	32	-37.1	2.45	42.75	54	-11.25	-	-	294	273	V
4	*** 2.384008	45.96	RMS	32	-37	2.45	43.41	54	-10.59	-	-	294	273	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

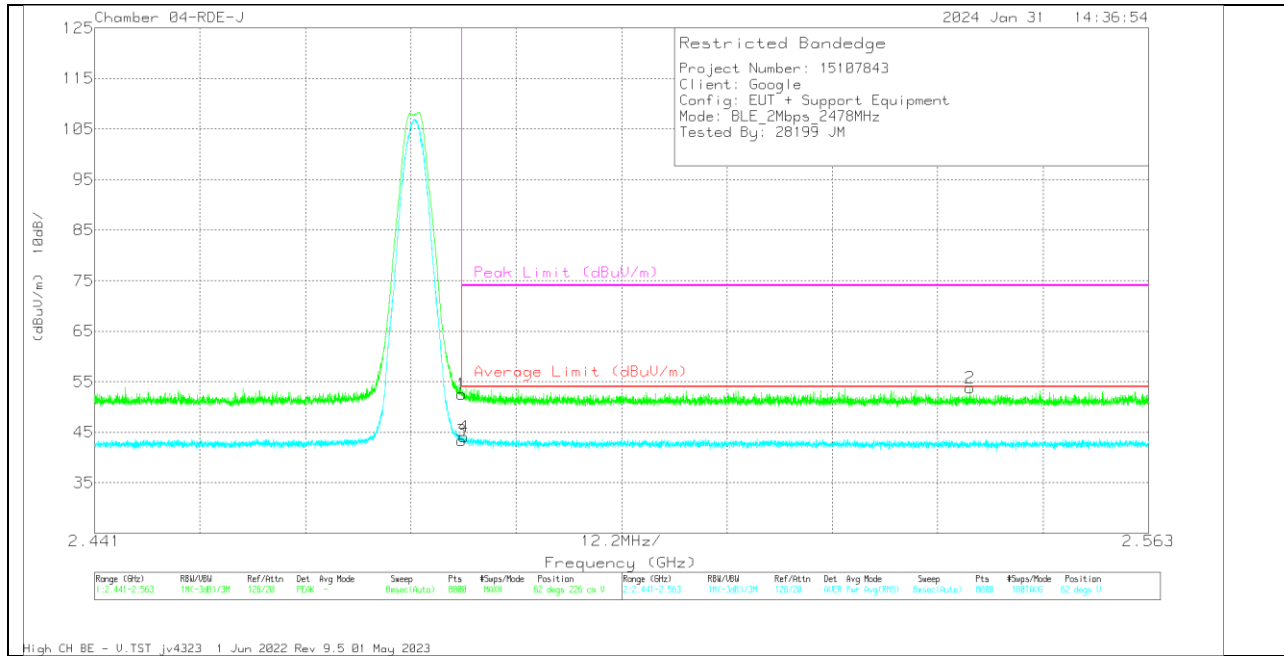
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.79	Pk	32.2	-37	0	54.99	-	-	74	-19.01	292	195	H
2	* 2.483584	61.42	Pk	32.2	-37	0	56.62	-	-	74	-17.38	292	195	H
3	* 2.4835	48.21	RMS	32.2	-37	2.45	45.86	54	-8.14	-	-	292	195	H
4	* 2.48366	48.73	RMS	32.3	-37	2.45	46.48	54	-7.52	-	-	292	195	H

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

VERTICAL RESULT

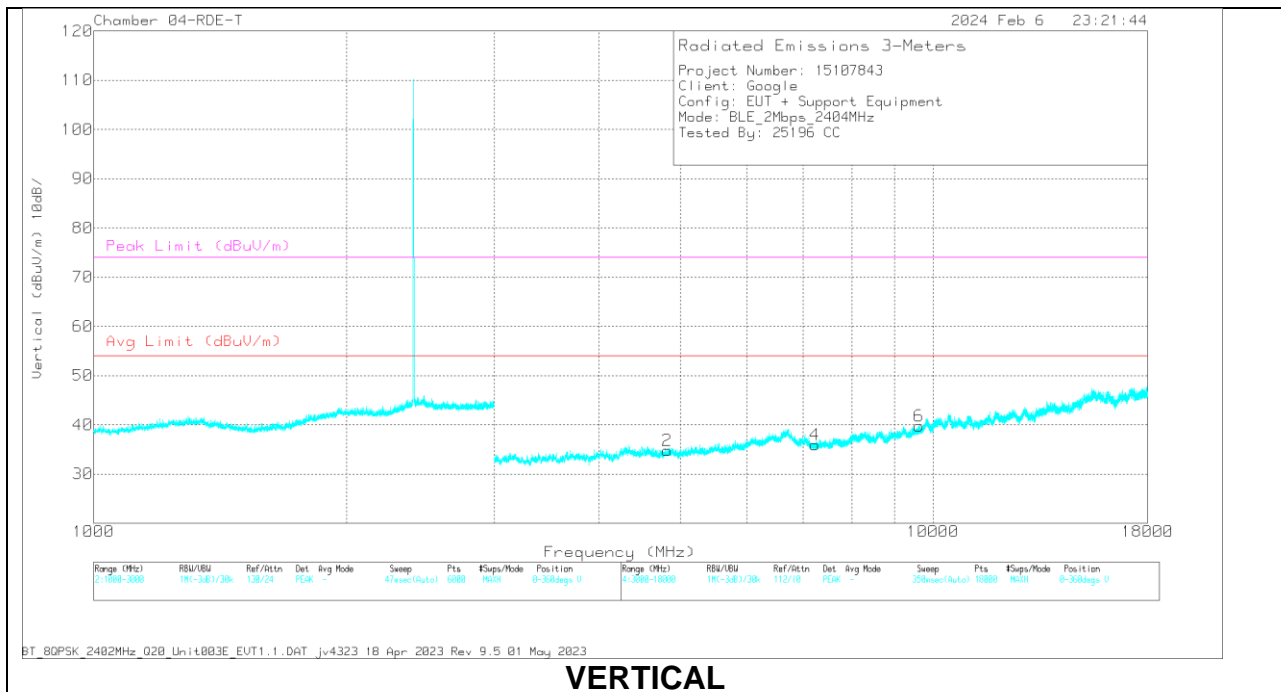
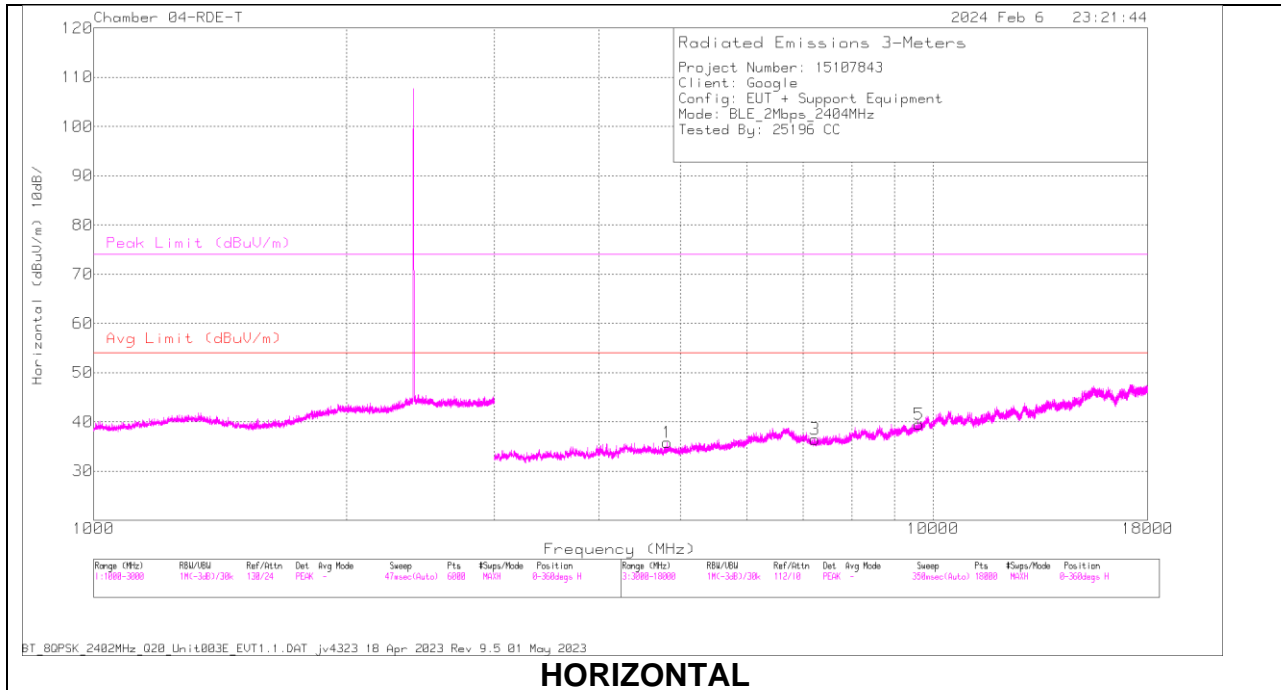


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	57.36	Pk	32.2	-37	0	52.56	-	-	74	-21.44	62	226	V
2	** 2.54235	58.34	Pk	32.3	-36.9	0	53.74	-	-	74	-20.26	62	226	V
3	*** 2.4835	45.67	RMS	32.2	-37	2.45	43.32	54	-10.68	-	-	62	226	V
4	*** 2.483782	46.33	RMS	32.3	-37	2.45	44.08	54	-9.92	-	-	62	226	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 PK - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4822.87	57.41	PK2	34	0	-46.78	44.63	-	-	74	-29.37	358	236	H
	*** 4823.008	45.96	MAv1	34	2.45	-46.76	35.65	54	-18.35	-	-	358	236	H
2	*** 4816.556	57.44	PK2	34	0	-46.69	44.75	-	-	74	-29.25	321	220	V
	*** 4817.815	45.86	MAv1	34	2.45	-46.6	35.71	54	-18.29	-	-	321	220	V
3	7231.971	55.17	PK2	35.4	0	-44.71	45.86	-	-	74	-28.14	345	184	H
4	7234.812	55.39	PK2	35.4	0	-44.57	46.22	-	-	74	-27.78	71	213	V
5	9609.96	54.21	PK2	36.7	0	-42.02	48.89	-	-	74	-25.11	113	204	H
6	9613.347	54.51	PK2	36.7	0	-42.3	48.91	-	-	74	-25.09	224	233	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average