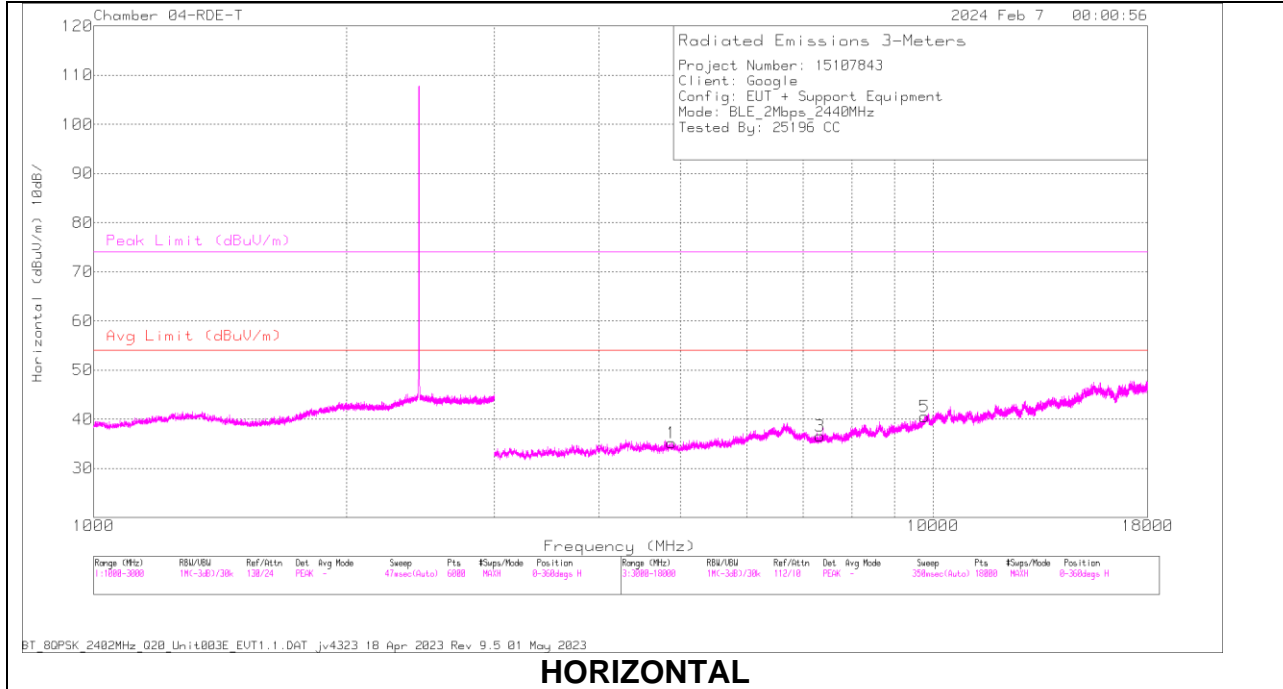
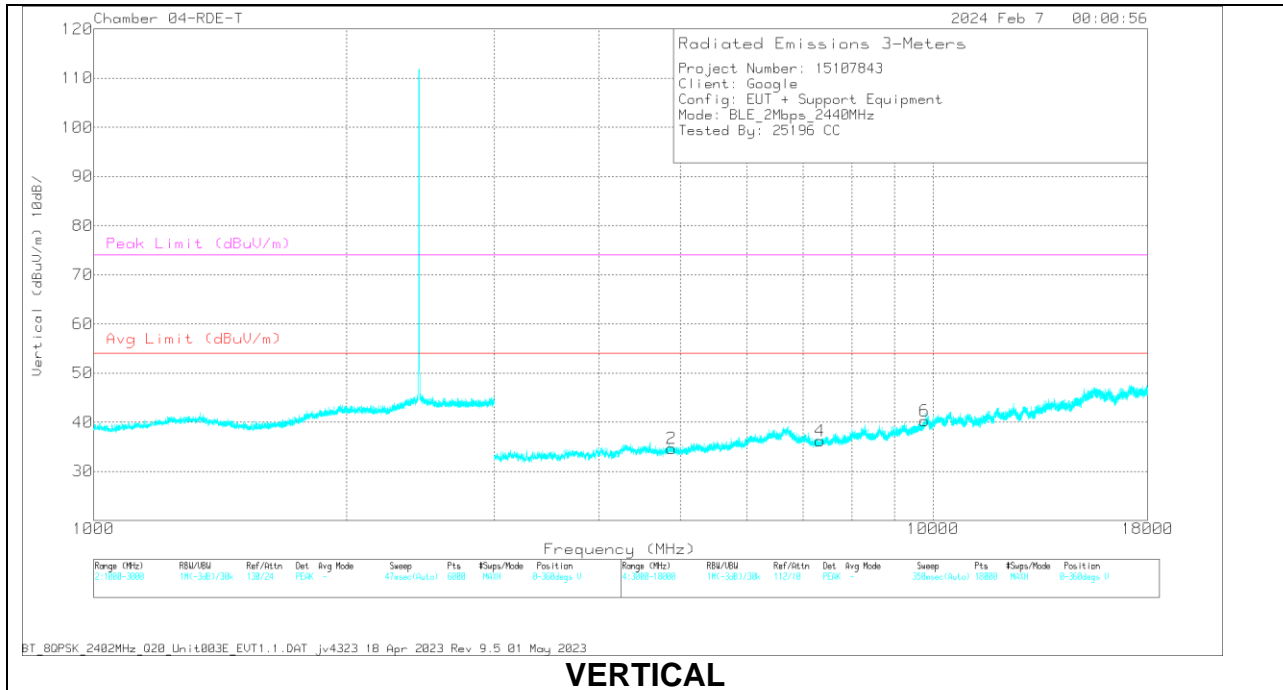


### MID CHANNEL RESULTS



**HORIZONTAL**



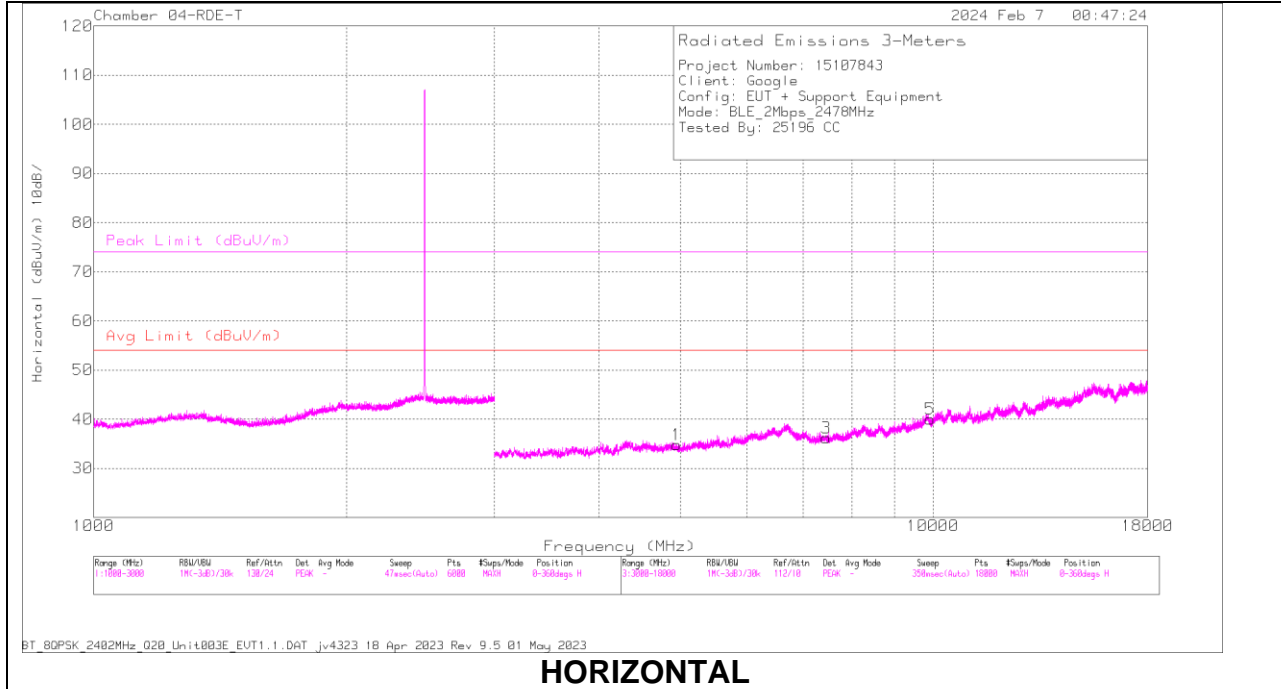
**VERTICAL**

**RADIATED EMISSIONS**

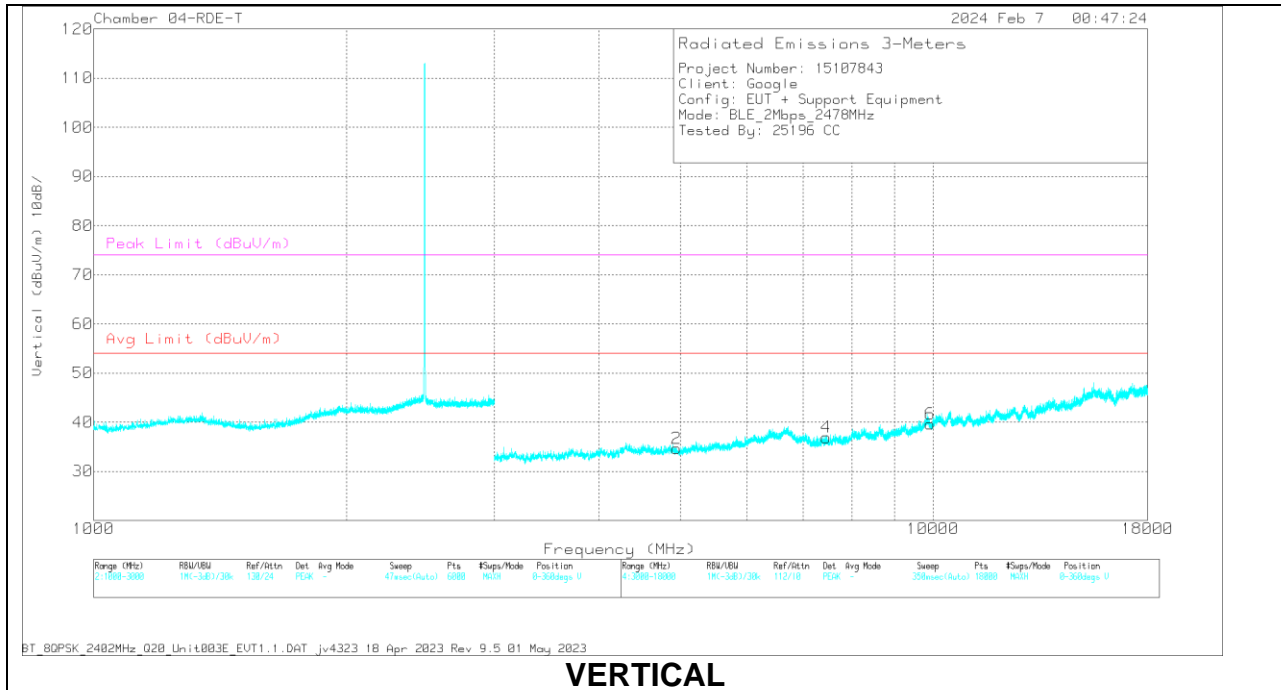
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4878.15	57.64	PK2	34	0	-46.71	44.93	-	-	74	-29.07	195	188	H
	*** 4880.341	46.08	MAv1	34	2.45	-46.63	35.9	54	-18.1	-	-	195	188	H
2	*** 4879.735	58.01	PK2	34	0	-46.64	45.37	-	-	74	-28.63	251	263	V
	*** 4880.887	46.17	MAv1	34	2.45	-46.66	35.96	54	-18.04	-	-	251	263	V
3	*** 7324.389	55.95	PK2	35.4	0	-44.22	47.13	-	-	74	-26.87	325	297	H
	*** 7326.418	43.77	MAv1	35.4	2.45	-44.22	37.4	54	-16.6	-	-	325	297	H
4	*** 7333.358	55.05	PK2	35.4	0	-44.18	46.27	-	-	74	-27.73	65	138	V
	*** 7332.437	43.85	MAv1	35.4	2.45	-44.22	37.48	54	-16.52	-	-	65	138	V
5	9766.829	55.18	PK2	37.1	0	-42.57	49.71	-	-	74	-24.29	26	171	H
6	9764.82	55.55	PK2	37.1	0	-42.46	50.19	-	-	74	-23.81	343	109	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	*** 4950.995	57.39	PK2	34.1	0	-46.58	44.91	-	-	74	-29.09	117	352	H
	*** 4954.188	45.71	MAv1	34.1	2.45	-46.75	35.51	54	-18.49	-	-	117	352	H
2	*** 4943.796	56.87	PK2	34.1	0	-46.61	44.36	-	-	74	-29.64	185	396	V
	*** 4945.822	45.47	MAv1	34.1	2.45	-46.64	35.38	54	-18.62	-	-	185	396	V
3	*** 7456.938	55.96	PK2	35.5	0	-44.32	47.14	-	-	74	-26.86	220	341	H
	*** 7454.948	43.95	MAv1	35.5	2.45	-44.29	37.61	54	-16.39	-	-	220	341	H
4	*** 7450.959	55.45	PK2	35.5	0	-44.22	46.73	-	-	74	-27.27	277	193	V
	*** 7453.693	44	MAv1	35.5	2.45	-44.26	37.69	54	-16.31	-	-	277	193	V
5	9925.205	54.52	PK2	37.5	0	-42.51	49.51	-	-	74	-24.49	295	128	H
6	9921.73	54.66	PK2	37.5	0	-42.36	49.8	-	-	74	-24.2	259	125	V

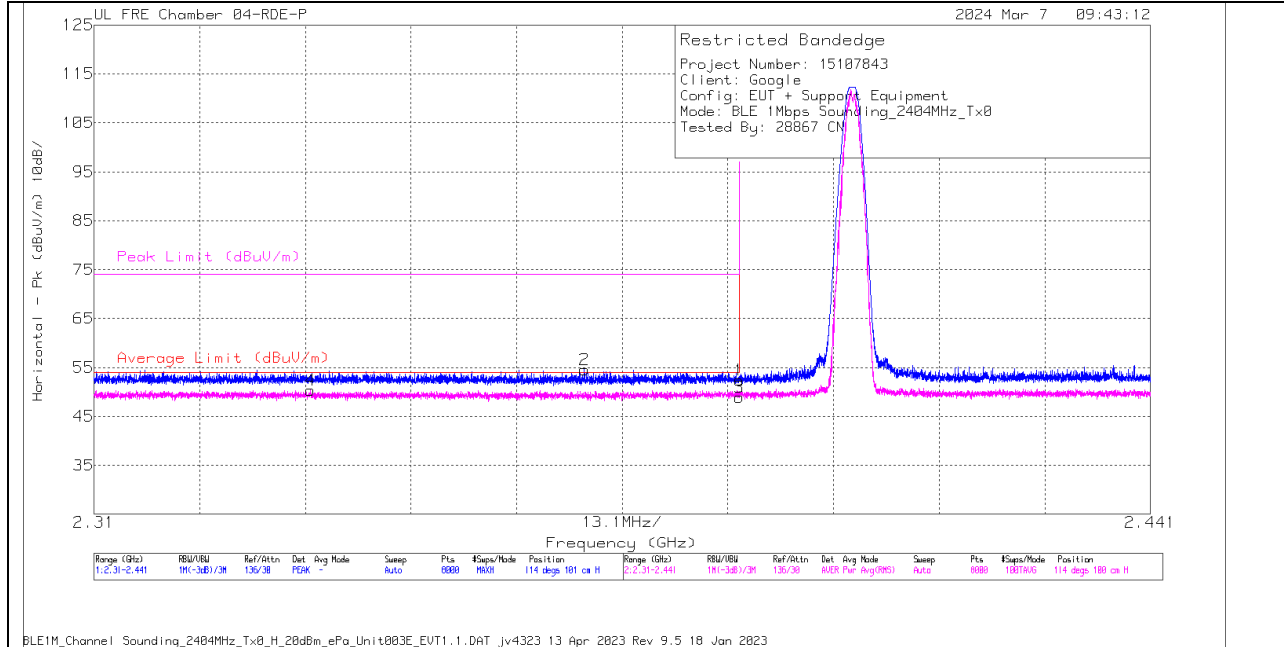
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

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

**Tx0**

### BANDEDGE (LOW CHANNEL)

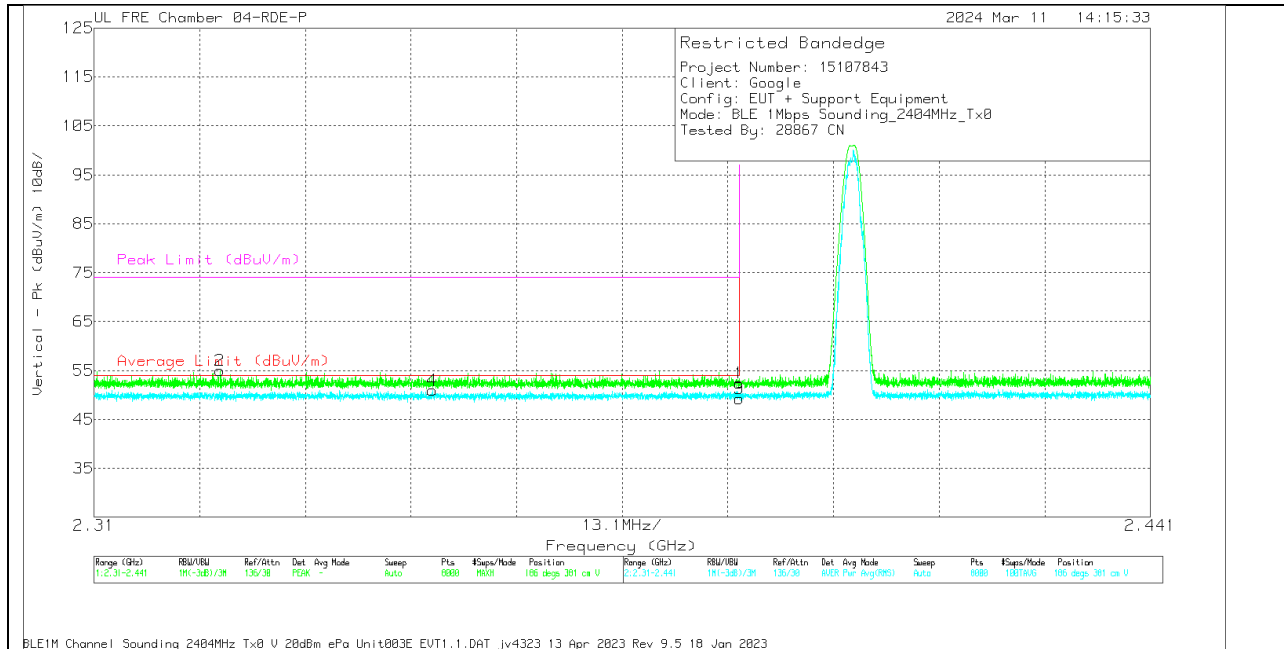
### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 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
4	2.336809	51.03	RMS	31.9	8.23	-40.79	50.37	54	-3.63	-	-	114	100	H
2	2.370791	63.42	Pk	31.9	0	-40.74	54.58	-	-	74	-19.42	114	101	H
1	2.39	61.16	Pk	32	0	-40.75	52.41	-	-	74	-21.59	114	101	H
3	2.39	49.44	RMS	32	8.23	-40.75	48.92	54	-5.08	-	-	114	100	H

Pk - Peak detector  
RMS - RMS detection

### VERTICAL RESULT

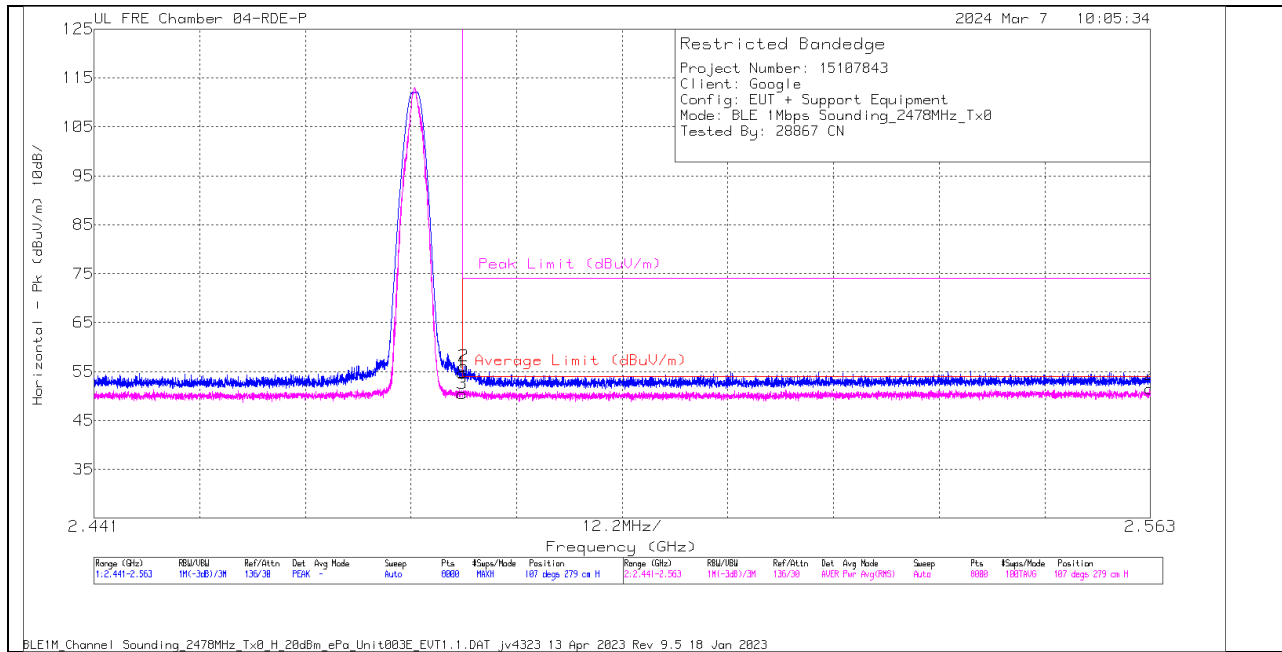


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.325607	63.9	Pk	31.9	0	-40.81	54.99	-	-	74	-19.01	186	381	V
4	2.351942	51.58	RMS	31.9	8.23	-40.78	50.93	54	-3.07	-	-	186	381	V
1	2.39	61.14	Pk	32	0	-40.75	52.39	-	-	74	-21.61	186	381	V
3	2.39	49.8	RMS	32	8.23	-40.75	49.28	54	-4.72	-	-	186	381	V

Pk - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

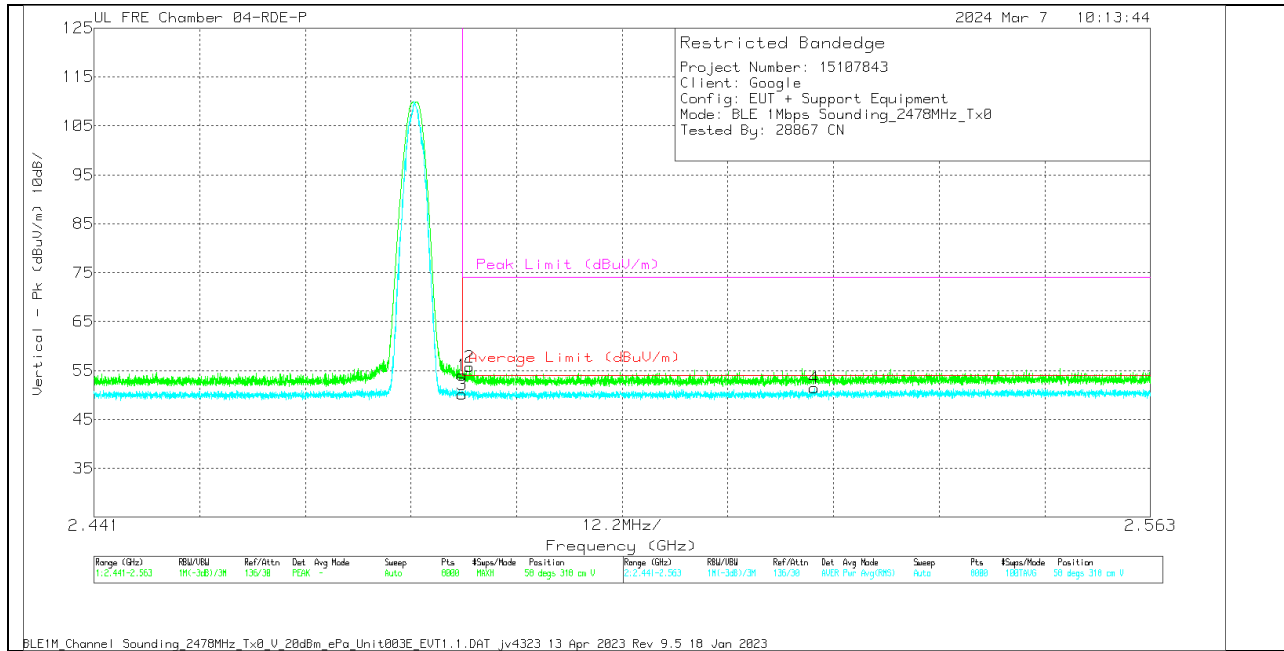
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 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	2.4835	63.31	Pk	32.2	0	-40.83	54.68	-	-	74	-19.32	107	279	H
3	2.4835	50.87	RMS	32.2	8.23	-40.83	50.47	54	-3.53	-	-	107	279	H
2	2.483706	64.76	Pk	32.2	0	-40.83	56.13	-	-	74	-17.87	107	279	H
4	2.562924	51.48	RMS	32.4	8.23	-40.64	51.47	54	-2.53	-	-	107	279	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



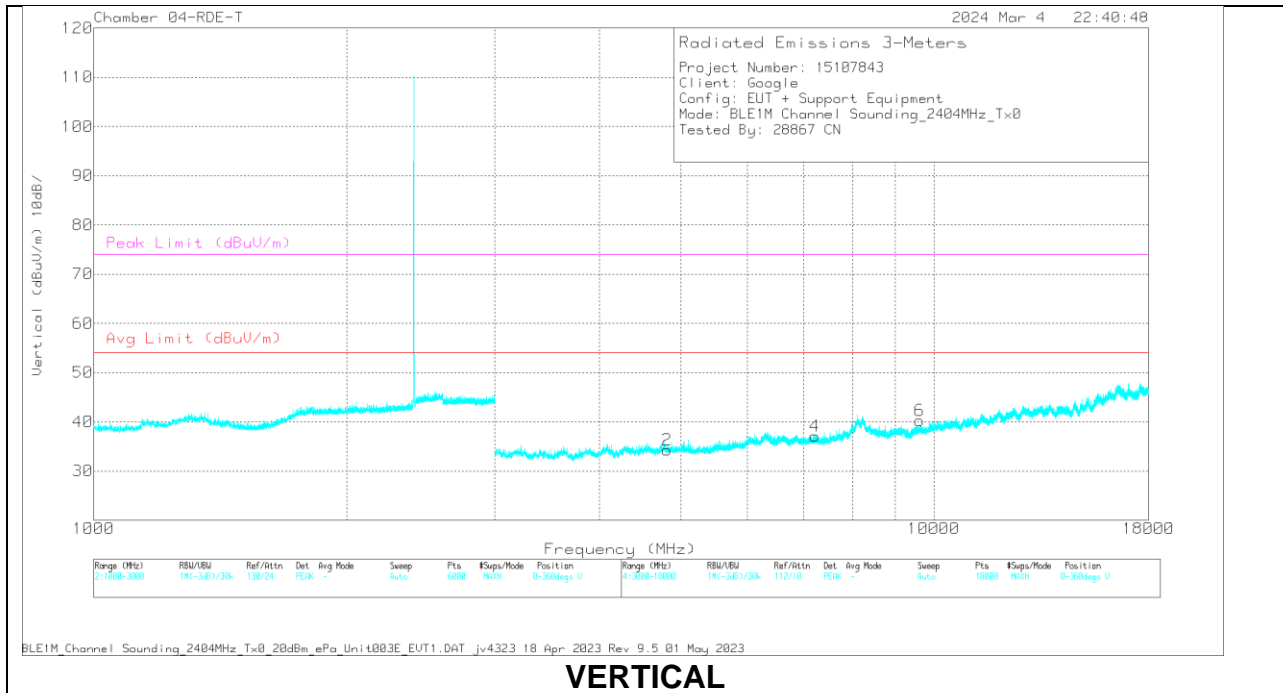
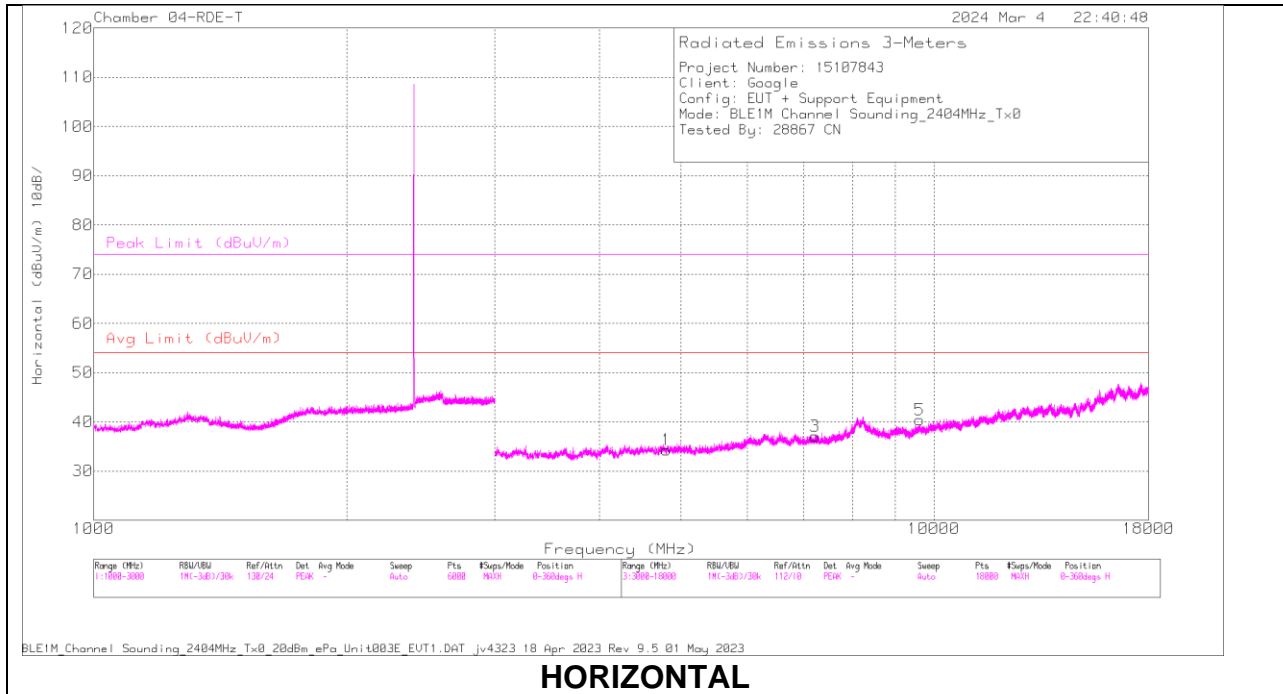
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	62.72	Pk	32.2	0	-40.83	54.09	-	-	74	-19.91	58	318	V
3	2.4835	50.53	RMS	32.2	8.23	-40.83	50.13	54	-3.87	-	-	58	318	V
2	2.484346	64.35	Pk	32.2	0	-40.83	55.72	-	-	74	-18.28	58	318	V
4	2.524184	51.48	RMS	32.4	8.23	-40.72	51.39	54	-2.61	-	-	58	318	V

Pk - Peak detector  
 RMS - RMS detection



# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	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	*** 4800.488	56.98	PK2	34.2	0	-46.77	44.41	-	-	74	-29.59	6	340	H
	** 4800.29	45.88	MAv1	34.2	8.23	-46.77	41.54	54	-12.46	-	-	6	340	H
2	*** 4811.652	56.87	PK2	34.2	0	-46.84	44.23	-	-	74	-29.77	29	121	V
	*** 4811.712	45.7	MAv1	34.2	8.23	-46.84	41.29	54	-12.71	-	-	29	121	V
4	7213.911	55.34	PK2	35.6	0	-44.37	46.57	-	-	74	-27.43	344	210	V
3	7220.332	56.2	PK2	35.6	0	-44.46	47.34	-	-	74	-26.66	236	137	H
6	9614.856	56.09	PK2	36.7	0	-42.41	50.38	-	-	74	-23.62	9	336	V
5	9615.052	56.2	PK2	36.7	0	-42.42	50.48	-	-	74	-23.52	146	308	H

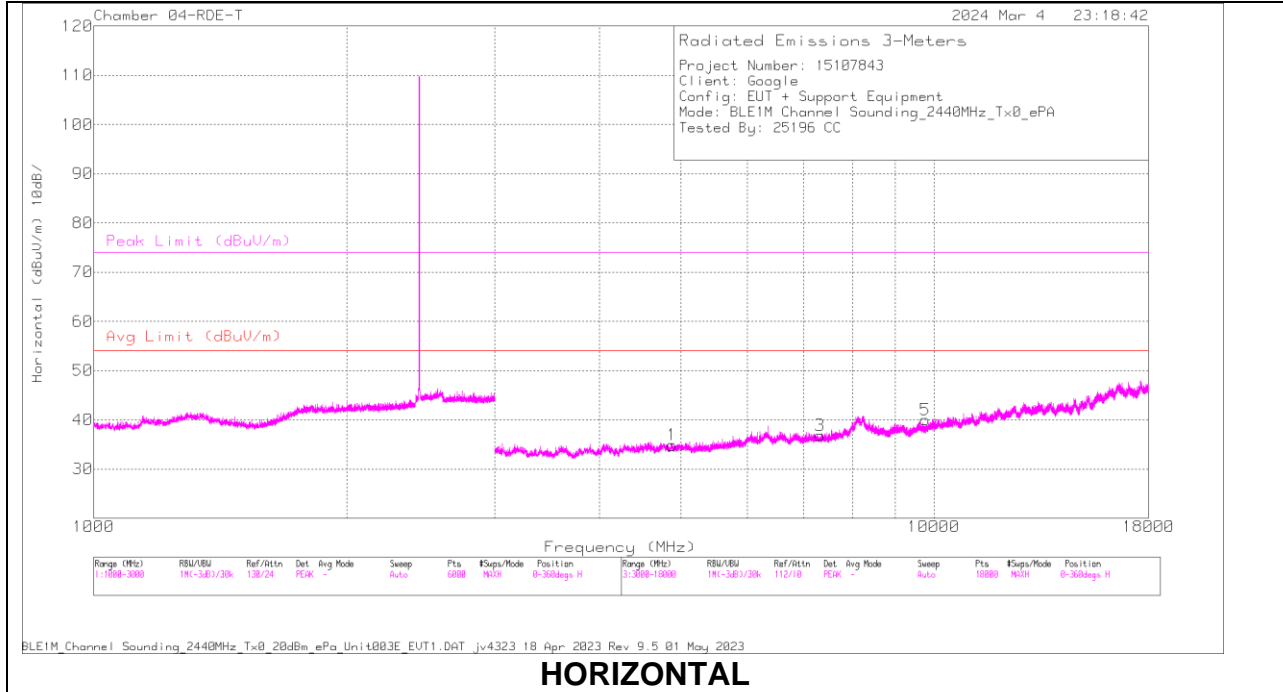
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

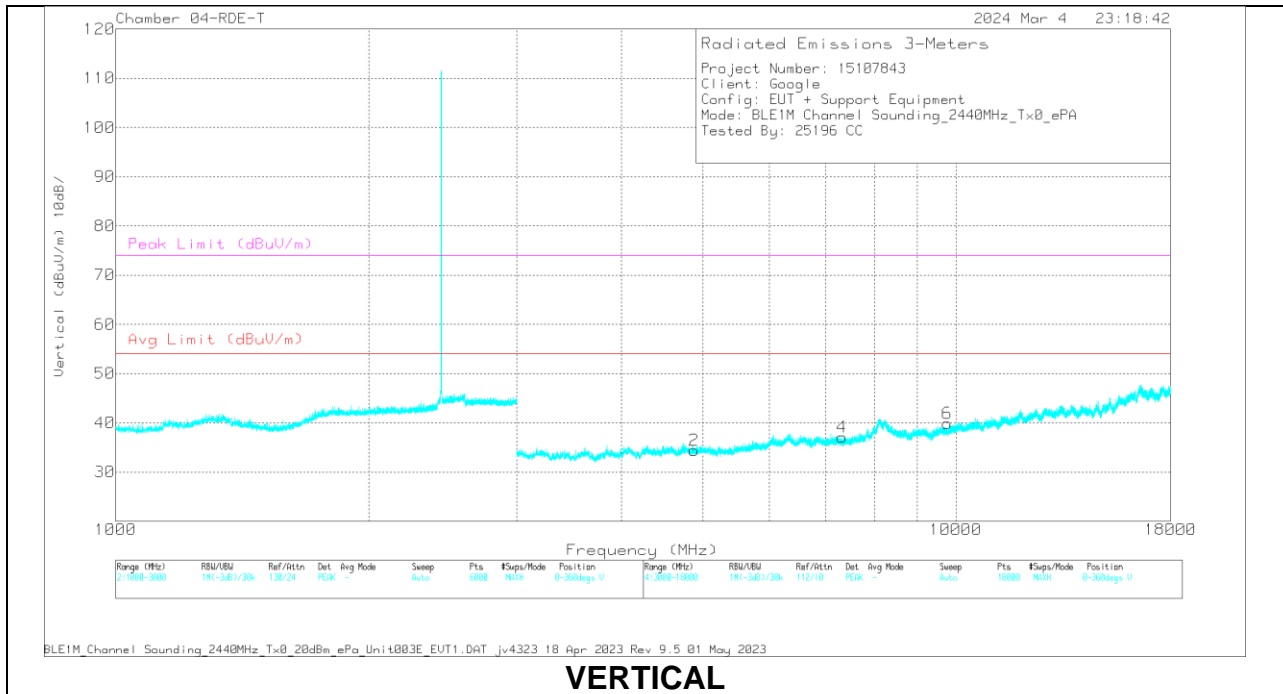
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL RESULTS



### HORIZONTAL



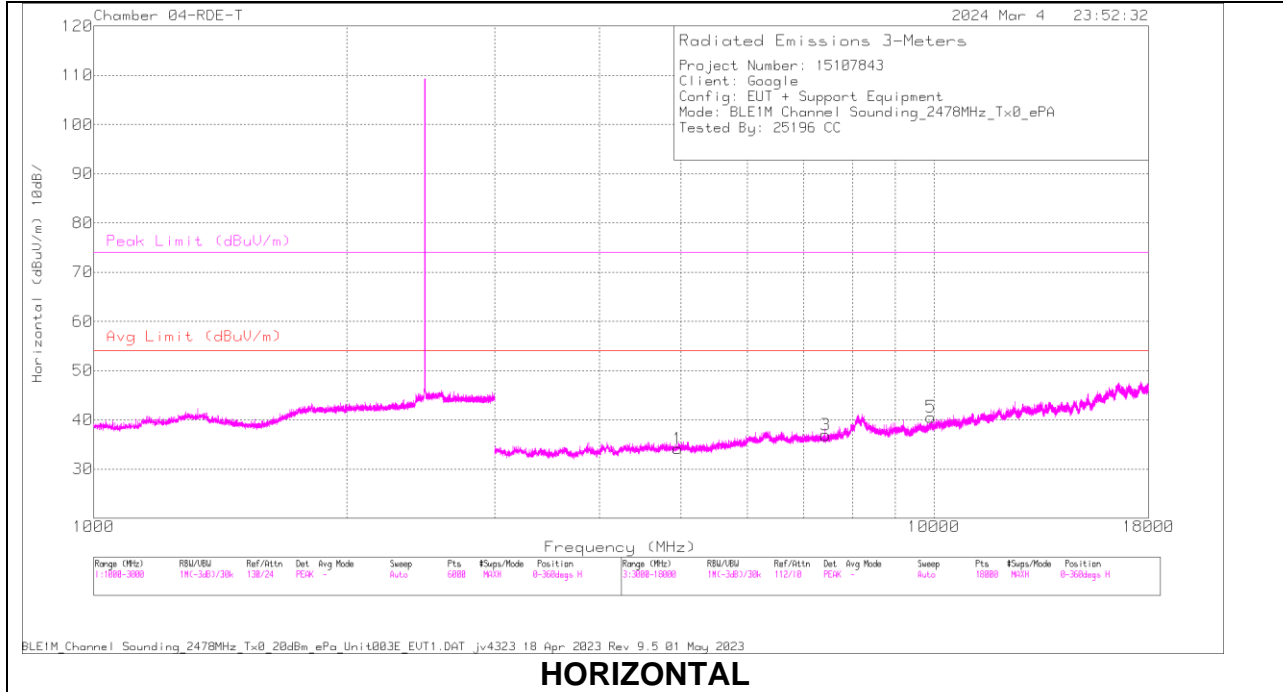
### VERTICAL

**RADIATED EMISSIONS**

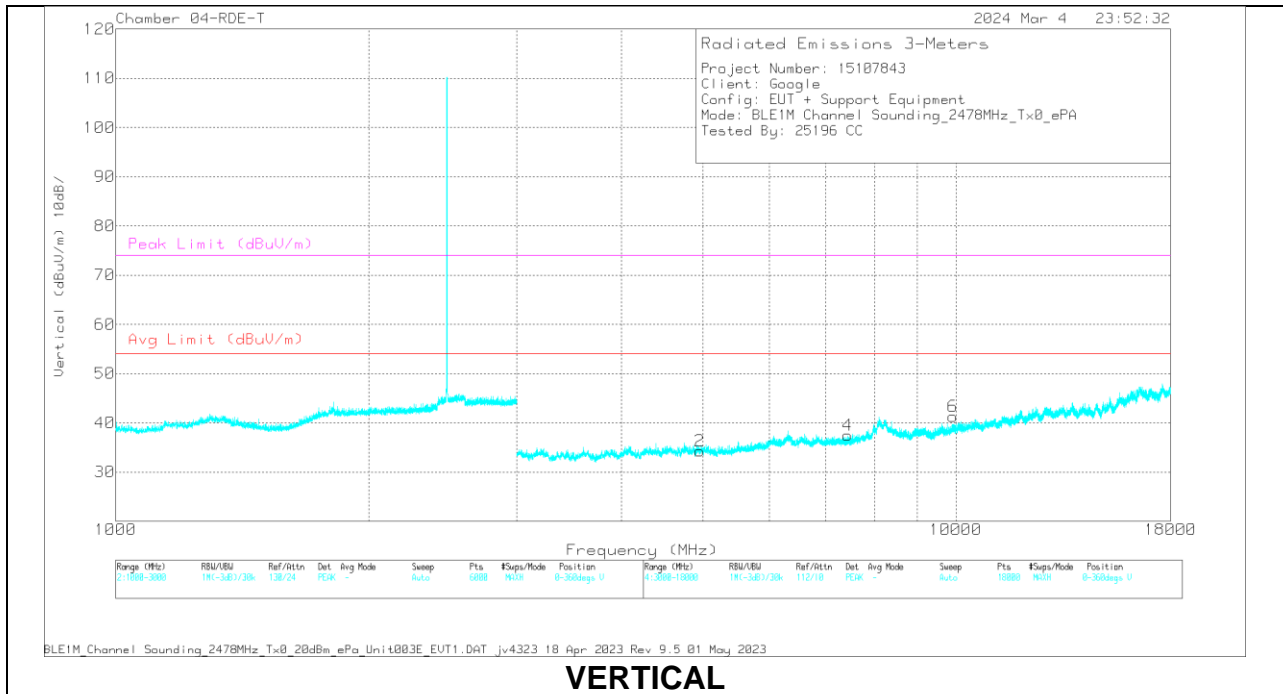
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4878.568	56.92	PK2	34.3	0	-46.7	44.52	-	-	74	-29.48	24	306	H
	*** 4878.51	45.23	MAV1	34.3	8.23	-46.7	41.06	54	-12.94	-	-	24	306	H
3	*** 7321.497	55.79	PK2	35.5	0	-44.24	47.05	-	-	74	-26.95	248	235	H
	*** 7319.342	44.12	MAV1	35.5	8.23	-44.24	43.61	54	-10.39	-	-	248	235	H
2	*** 4877.854	57.17	PK2	34.3	0	-46.71	44.76	-	-	74	-29.24	338	296	V
	*** 4875.204	45.49	MAV1	34.3	8.23	-46.66	41.36	54	-12.64	-	-	338	296	V
4	*** 7312.564	55.75	PK2	35.5	0	-44.2	47.05	-	-	74	-26.95	92	262	V
	*** 7313.116	44.14	MAV1	35.5	8.23	-44.24	43.63	54	-10.37	-	-	92	262	V
5	9762.218	55.7	PK2	36.9	0	-42.43	50.17	-	-	74	-23.83	251	220	H
	9766.189	55.77	PK2	36.9	0	-42.56	50.11	-	-	74	-23.89	309	296	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**

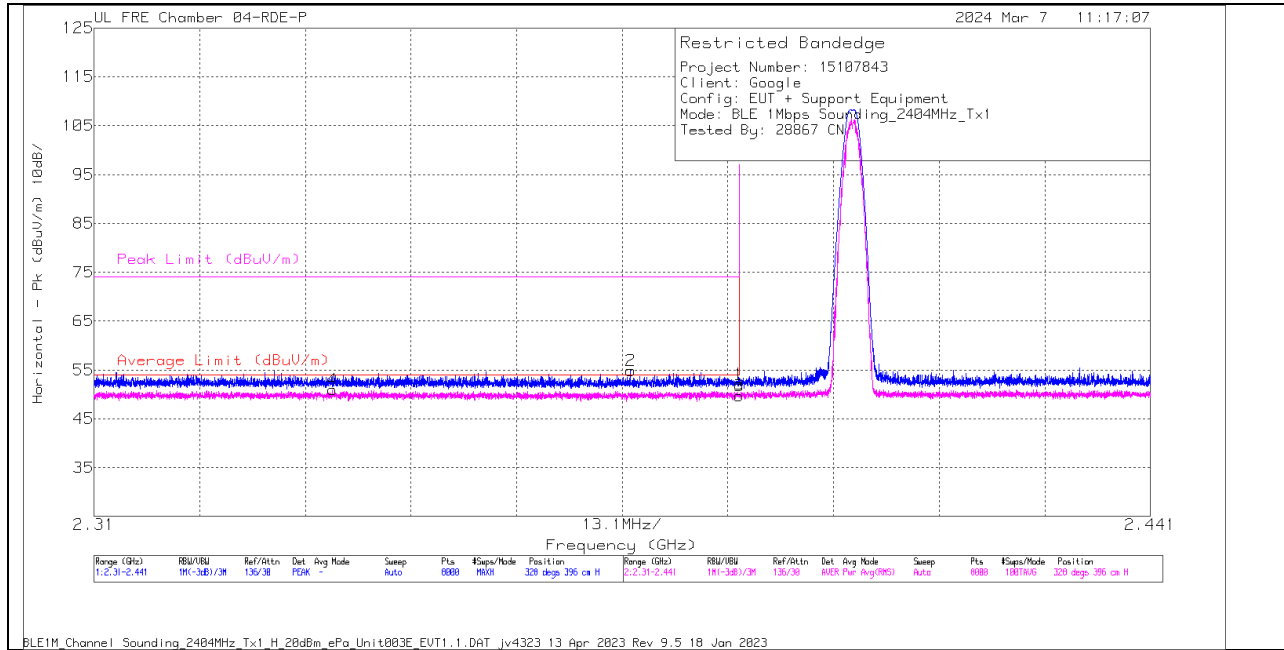
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4958.766	56.81	PK2	34.3	0	-46.54	44.57	-	-	74	-29.43	29	236	H
	*** 4958.153	45.41	MAv1	34.3	8.23	-46.56	41.38	54	-12.62	-	-	29	236	H
3	*** 7433.937	55.91	PK2	35.4	0	-44.18	47.13	-	-	74	-26.87	307	157	H
	*** 7434.779	44.22	MAv1	35.4	8.23	-44.2	43.65	54	-10.35	-	-	307	157	H
2	*** 4956.549	56.77	PK2	34.3	0	-46.6	44.47	-	-	74	-29.53	67	283	V
	*** 4953.979	45.27	MAv1	34.3	8.23	-46.75	41.05	54	-12.95	-	-	67	283	V
4	*** 7427.825	55.89	PK2	35.4	0	-44.41	46.88	-	-	74	-27.12	294	338	V
	*** 7429.68	44.18	MAv1	35.4	8.23	-44.38	43.43	54	-10.57	-	-	294	338	V
6	9915.895	55.54	PK2	37	0	-42.36	50.18	-	-	74	-23.82	347	190	V
5	9917.702	55.71	PK2	37	0	-42.25	50.46	-	-	74	-23.54	48	259	H

\* - 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

**Tx1**

**BANDEDGE (LOW CHANNEL)**

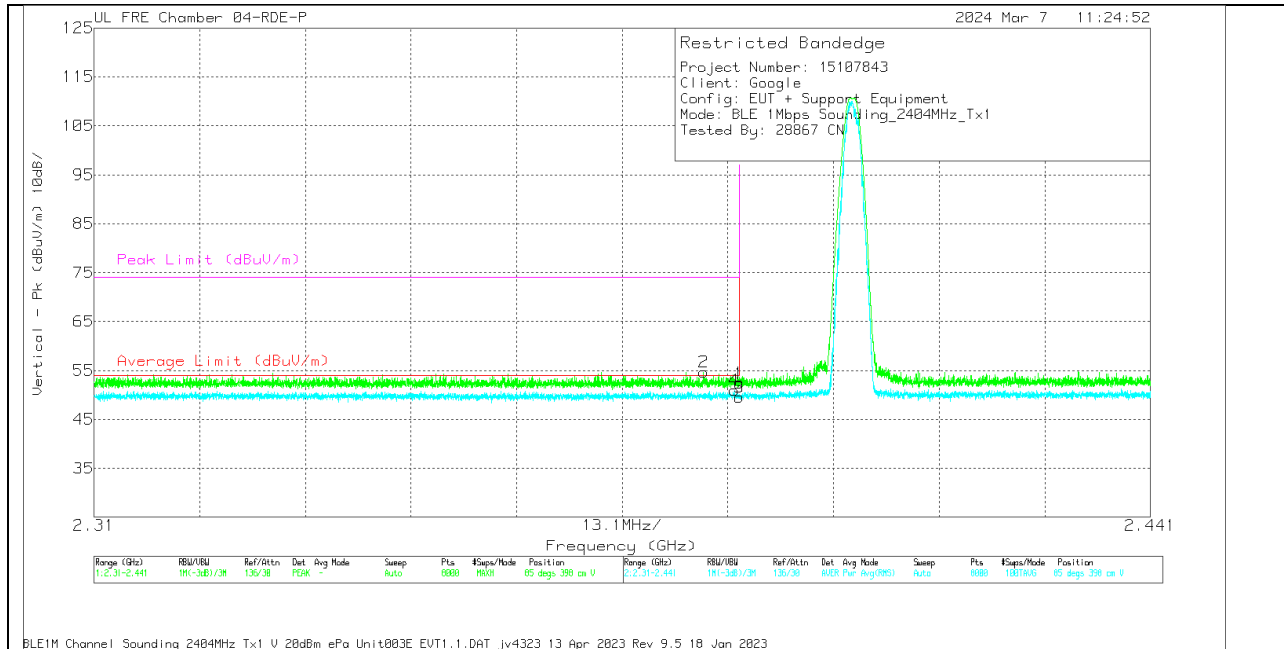
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 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
4	2.33956	51.63	RMS	31.9	8.23	-40.78	50.98	54	-3.02	-	-	328	396	H
2	2.376523	63.67	PK	32	0	-40.78	54.89	-	-	74	-19.11	328	396	H
1	2.39	60.88	PK	32	0	-40.75	52.13	-	-	74	-21.87	328	396	H
3	2.39	50.21	RMS	32	8.23	-40.75	49.69	54	-4.31	-	-	328	396	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



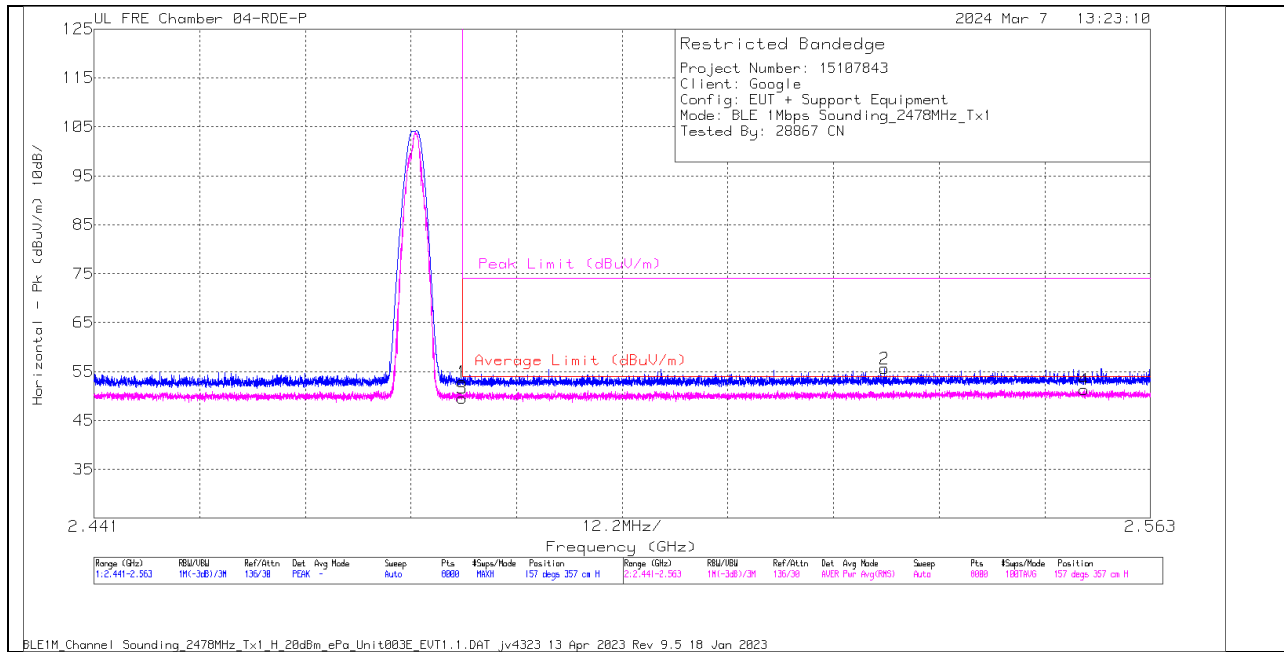
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.38558	63.45	Pk	32	0	-40.76	54.69	-	-	74	-19.31	85	398	V
4	2.389412	51.5	RMS	32	8.23	-40.75	50.98	54	-3.02	-	-	85	398	V
1	2.39	61.12	Pk	32	0	-40.75	52.37	-	-	74	-21.63	85	398	V
3	2.39	50.07	RMS	32	8.23	-40.75	49.55	54	-4.45	-	-	85	398	V

Pk - Peak detector  
 RMS - RMS detection



**BANDEDGE (HIGH CHANNEL)**

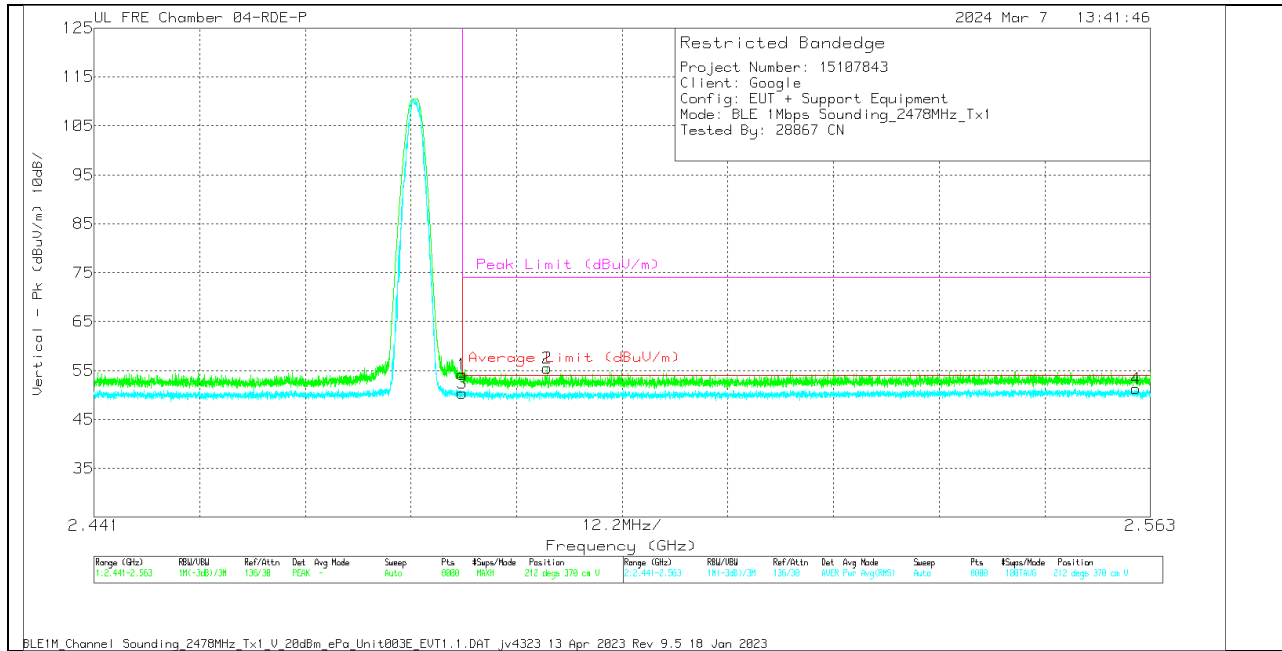
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 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	2.4835	61.47	PK	32.2	0	-40.83	52.84	-	-	74	-21.16	157	357	H
3	2.4835	49.94	RMS	32.2	8.23	-40.83	49.54	54	-4.46	-	-	157	357	H
2	2.532283	63.9	PK	32.4	0	-40.71	55.59	-	-	74	-18.41	157	357	H
4	2.555329	51.31	RMS	32.4	8.23	-40.65	51.29	54	-2.71	-	-	157	357	H

PK - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT

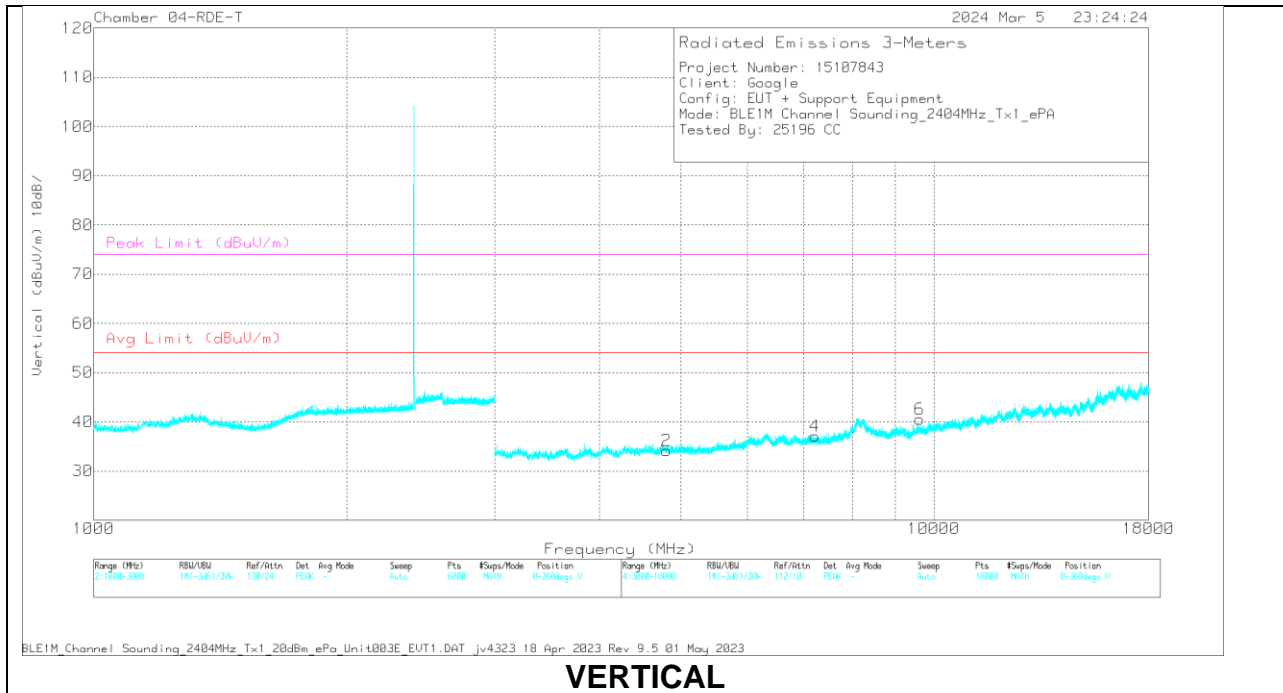
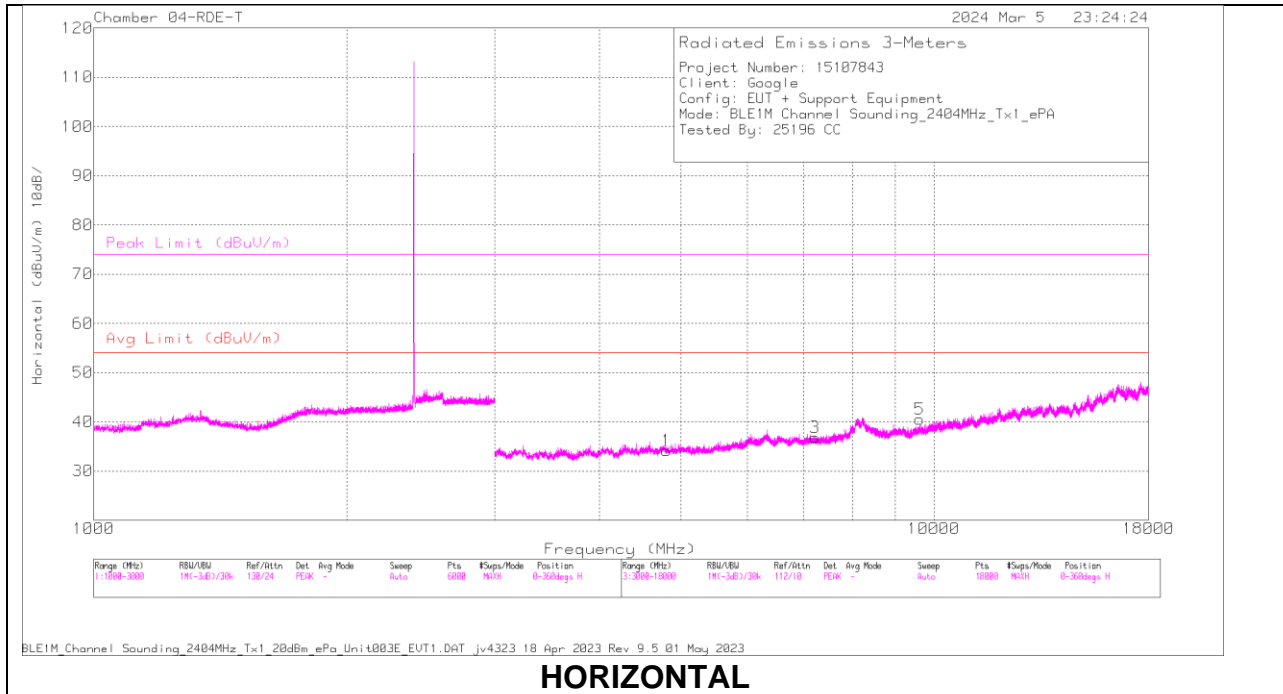


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	62.87	Pk	32.2	0	-40.83	54.24	-	-	74	-19.76	212	370	V
3	2.4835	50.8	RMS	32.2	8.23	-40.83	50.4	54	-3.6	-	-	212	370	V
2	2.493314	64.02	Pk	32.3	0	-40.82	55.5	-	-	74	-18.5	212	370	V
4	2.561338	51.3	RMS	32.4	8.23	-40.64	51.29	54	-2.71	-	-	212	370	V

Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	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	*** 4802.772	57.21	PK2	34.2	0	-46.7	44.71	-	-	74	-29.29	135	301	H
	*** 4802.299	45.44	MAv1	34.2	8.23	-46.7	41.17	54	-12.83	-	-	135	301	H
2	*** 4806.049	57.09	PK2	34.2	0	-46.77	44.52	-	-	74	-29.48	322	286	V
	*** 4807.881	45.34	MAv1	34.2	8.23	-46.8	40.97	54	-13.03	-	-	322	286	V
3	7212.699	55.86	PK2	35.6	0	-44.35	47.11	-	-	74	-26.89	35	112	H
	7213.689	55.73	PK2	35.6	0	-44.36	46.97	-	-	74	-27.03	324	198	V
6	9614.68	56.12	PK2	36.7	0	-42.39	50.43	-	-	74	-23.57	280	198	V
5	9615.995	55.69	PK2	36.7	0	-42.36	50.03	-	-	74	-23.97	307	354	H

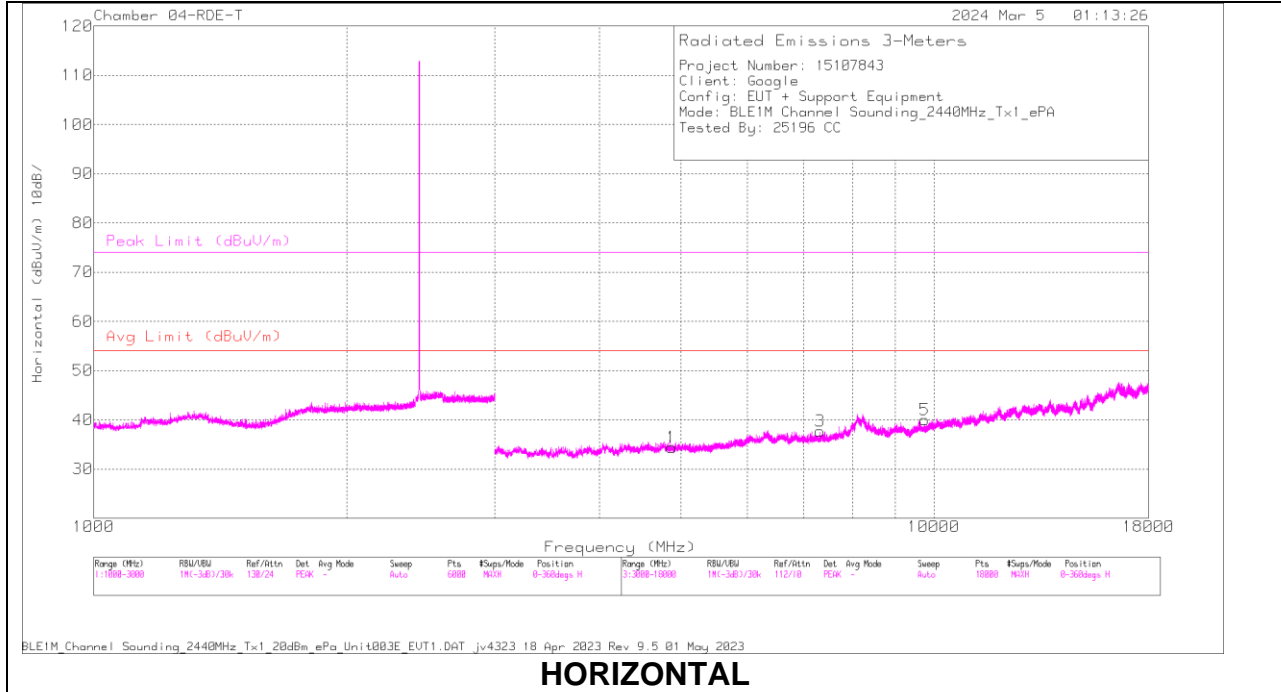
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

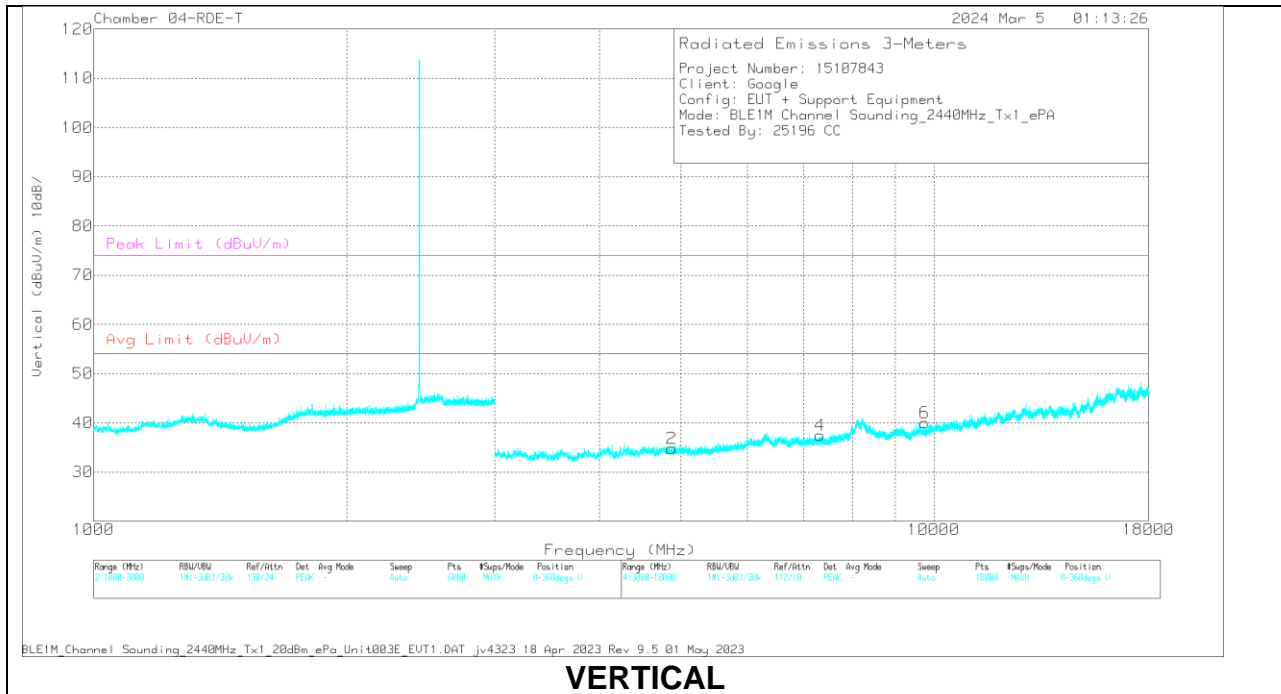
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL RESULTS



### HORIZONTAL



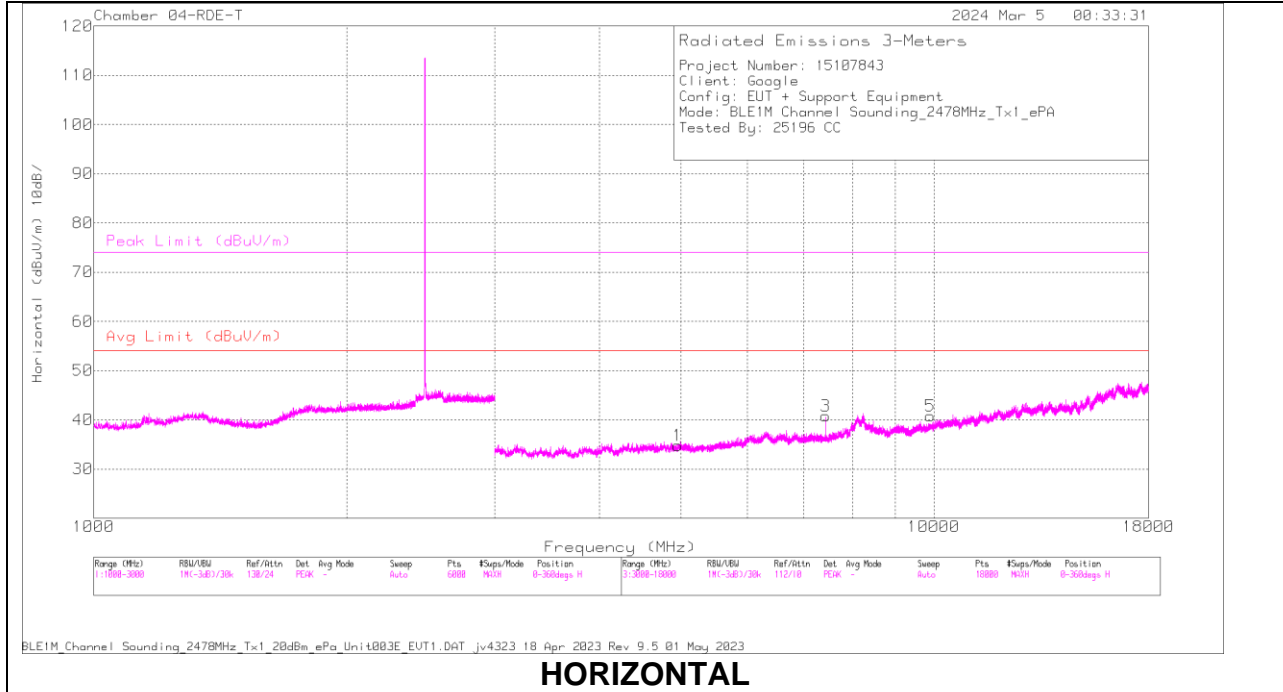
### VERTICAL

**RADIATED EMISSIONS**

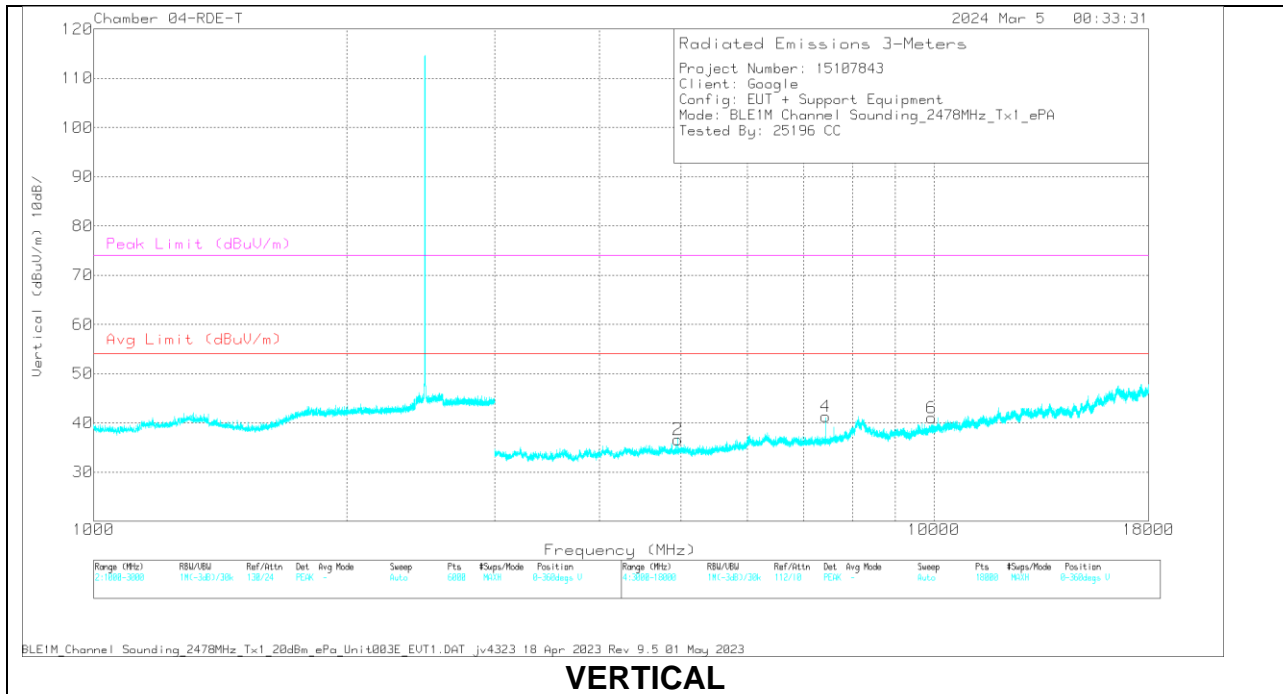
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4875.638	57.81	PK2	34.3	0	-46.72	45.39	-	-	74	-28.61	355	194	H
	*** 4872.718	45.44	MAv1	34.2	8.23	-46.53	41.34	54	-12.66	-	-	355	194	H
3	*** 7319.568	57.63	PK2	35.5	0	-44.23	48.9	-	-	74	-25.1	22	186	H
	*** 7320.073	45.06	MAv1	35.5	8.23	-44.22	44.57	54	-9.43	-	-	22	186	H
2	*** 4877.897	57.55	PK2	34.3	0	-46.71	45.14	-	-	74	-28.86	181	317	V
	*** 4876.779	45.49	MAv1	34.3	8.23	-46.73	41.29	54	-12.71	-	-	181	317	V
4	*** 7318.481	55.65	PK2	35.5	0	-44.23	46.92	-	-	74	-27.08	159	115	V
	*** 7319.861	44.39	MAv1	35.5	8.23	-44.22	43.9	54	-10.1	-	-	159	115	V
5	9744.728	56.02	PK2	36.9	0	-42.73	50.19	-	-	74	-23.81	341	156	H
6	9755.487	56.26	PK2	36.9	0	-42.77	50.39	-	-	74	-23.61	171	291	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	84796 AFC (dB/m) - 3mH	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	*** 4955.156	57.13	PK2	34.3	0	-46.71	44.72	-	-	74	-29.28	12	282	H
	*** 4953.958	45.25	MAV1	34.3	8.23	-46.75	41.03	54	-12.97	-	-	12	282	H
3	*** 7433.655	59.08	PK2	35.4	0	-44.2	50.28	-	-	74	-23.72	59	103	H
	*** 7434.644	46.76	MAV1	35.4	8.23	-44.2	46.19	54	-7.81	-	-	59	103	H
2	*** 4955.76	58.1	PK2	34.3	0	-46.62	45.78	-	-	74	-28.22	8	183	V
	*** 4955.943	45.91	MAV1	34.3	8.23	-46.6	41.84	54	-12.16	-	-	8	183	V
4	*** 7433.617	58.11	PK2	35.4	0	-44.2	49.31	-	-	74	-24.69	351	147	V
	*** 7434.503	45.77	MAV1	35.4	8.23	-44.19	45.21	54	-8.79	-	-	351	147	V
5	9900.432	56.04	PK2	37	0	-42.45	50.59	-	-	74	-23.41	141	302	H
6	9930.584	55.68	PK2	37.1	0	-42.39	50.39	-	-	74	-23.61	94	218	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

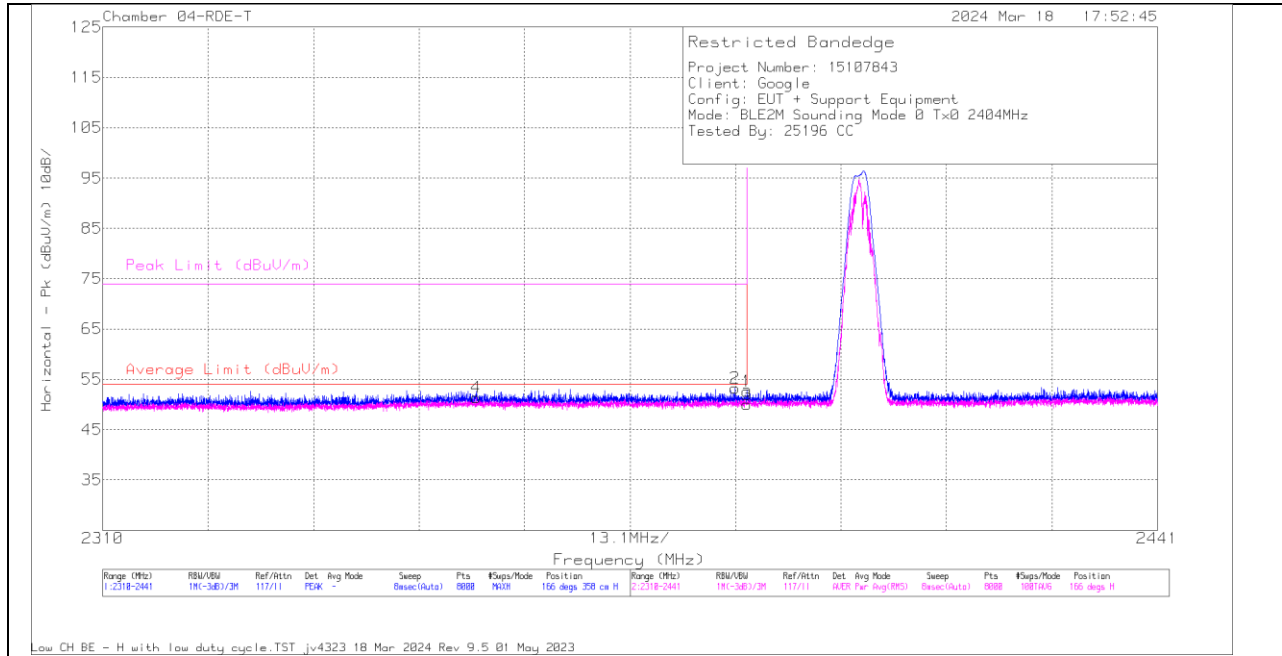


### 10.2.6. BLE 2Mbps GFSK, MODE 0 (CHANNEL SOUNDING)

**Tx0**

**BANDEDGE (LOW CHANNEL)**

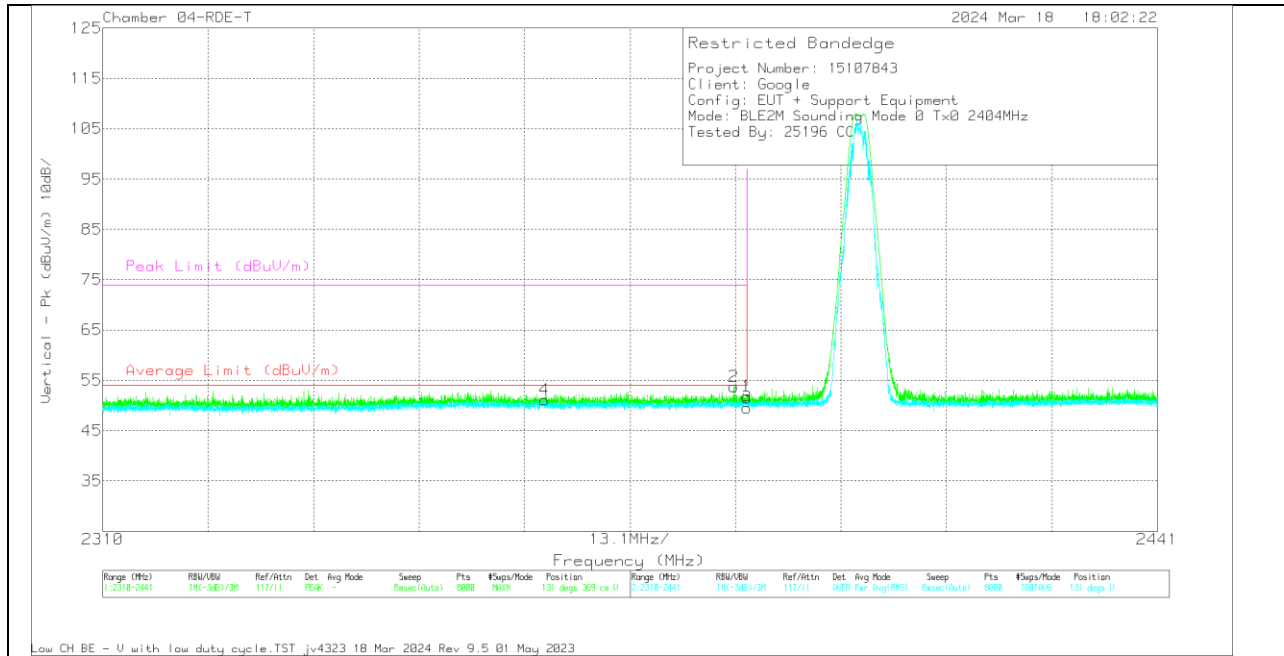
**HORIZONTAL RESULT**



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	58.32	Pk	33.3	0	-39.05	52.57	-	-	74	-21.43	166	358	H
2	** 2388.511	59.01	Pk	33.3	0	-39.08	53.23	-	-	74	-20.77	166	358	H
3	** 2390	45.76	RMS	33.3	10.03	-39.05	50.04	54	-3.96	-	-	166	358	H
4	** 2356.412	47.38	RMS	33	10.03	-39.06	51.35	54	-2.65	-	-	166	358	H

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

### VERTICAL RESULT

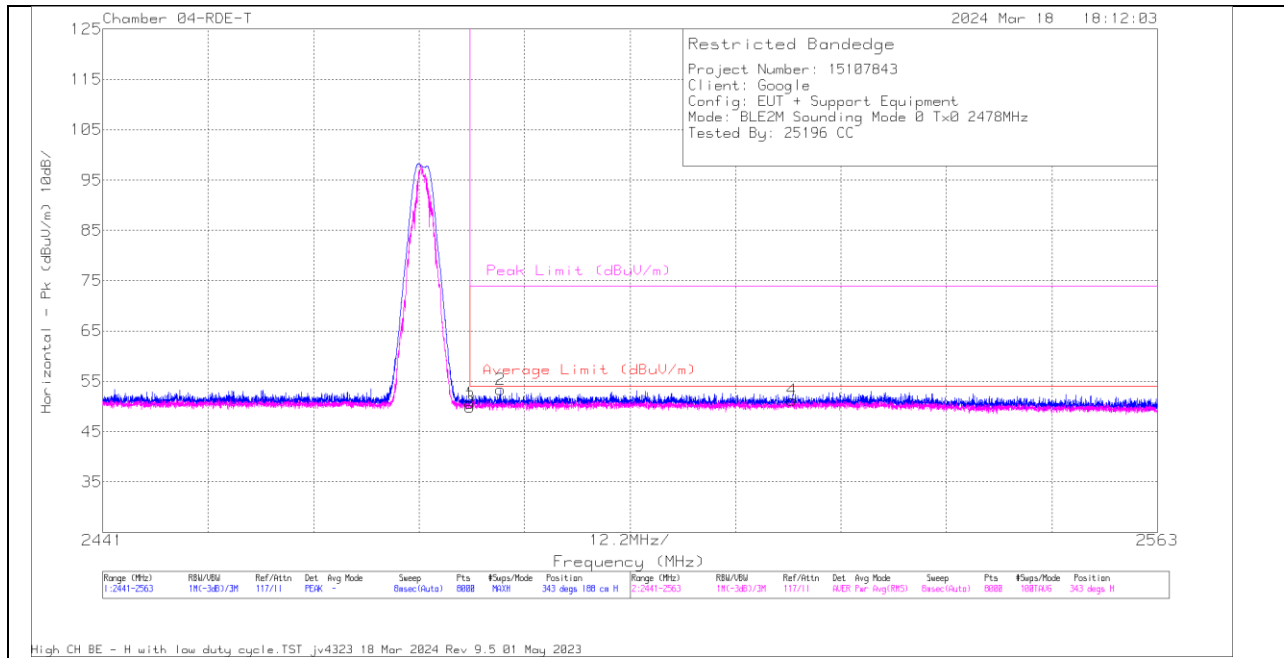


	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2390	57.65	Pk	33.3	0	-39.05	51.9	-	-	74	-22.1	131	369	V
2	** 2388.413	59.55	Pk	33.3	0	-39.09	53.76	-	-	74	-20.24	131	369	V
3	** 2390	45.29	RMS	33.3	10.03	-39.05	49.57	54	-4.43	-	-	131	369	V
4	** 2364.847	47.11	RMS	33.1	10.03	-39.07	51.17	54	-2.83	-	-	131	369	V

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

**BANDEDGE (HIGH CHANNEL)**

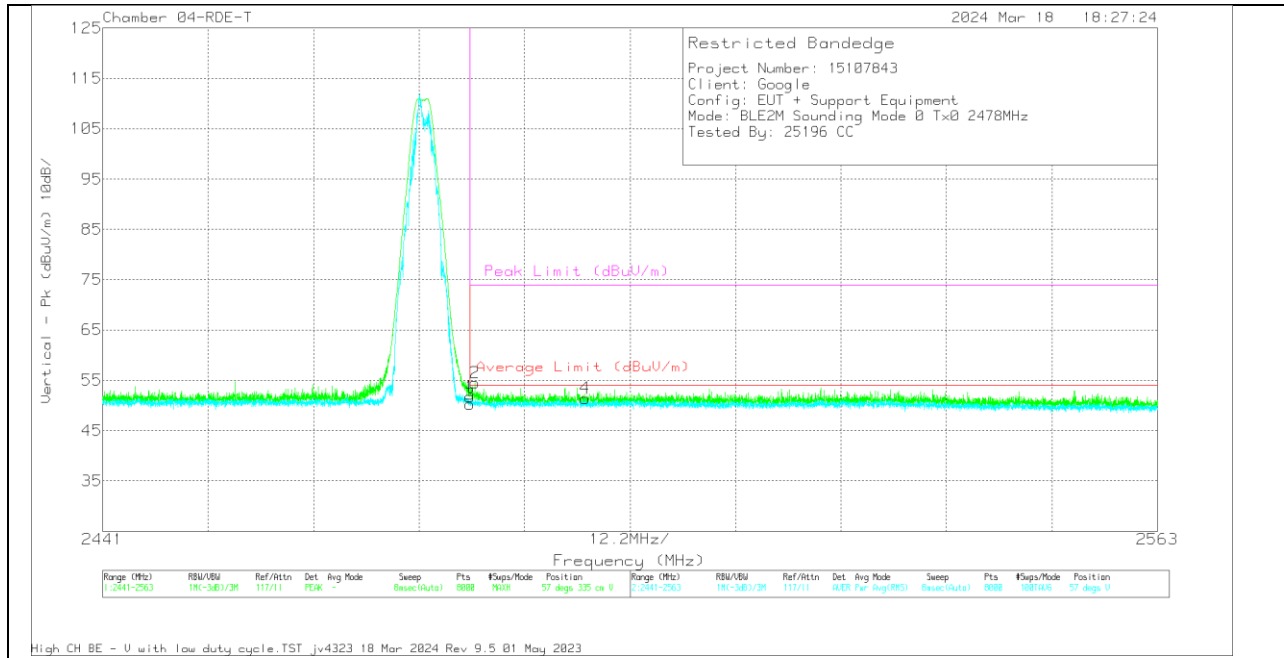
**HORIZONTAL RESULT**



Marker	Frequency (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	56.12	Pk	33.4	0	-38.87	50.65	-	-	74	-23.35	343	188	H
2	** 2487	58.72	Pk	33.4	0	-38.78	53.34	-	-	74	-20.66	343	188	H
3	** 2483.5	45.36	RMS	33.4	10.03	-38.87	49.92	54	-4.08	-	-	343	188	H
4	** 2520.737	46.57	RMS	33.2	10.03	-38.52	51.28	54	-2.72	-	-	343	188	H

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

### VERTICAL RESULT

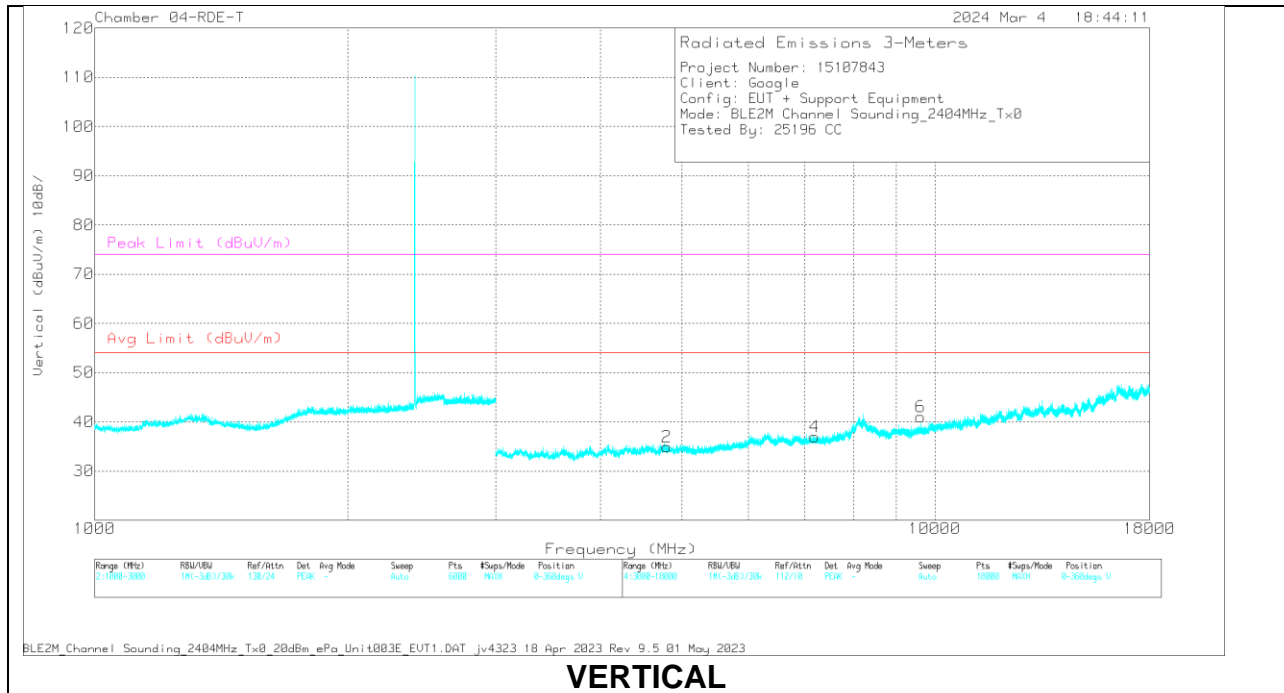
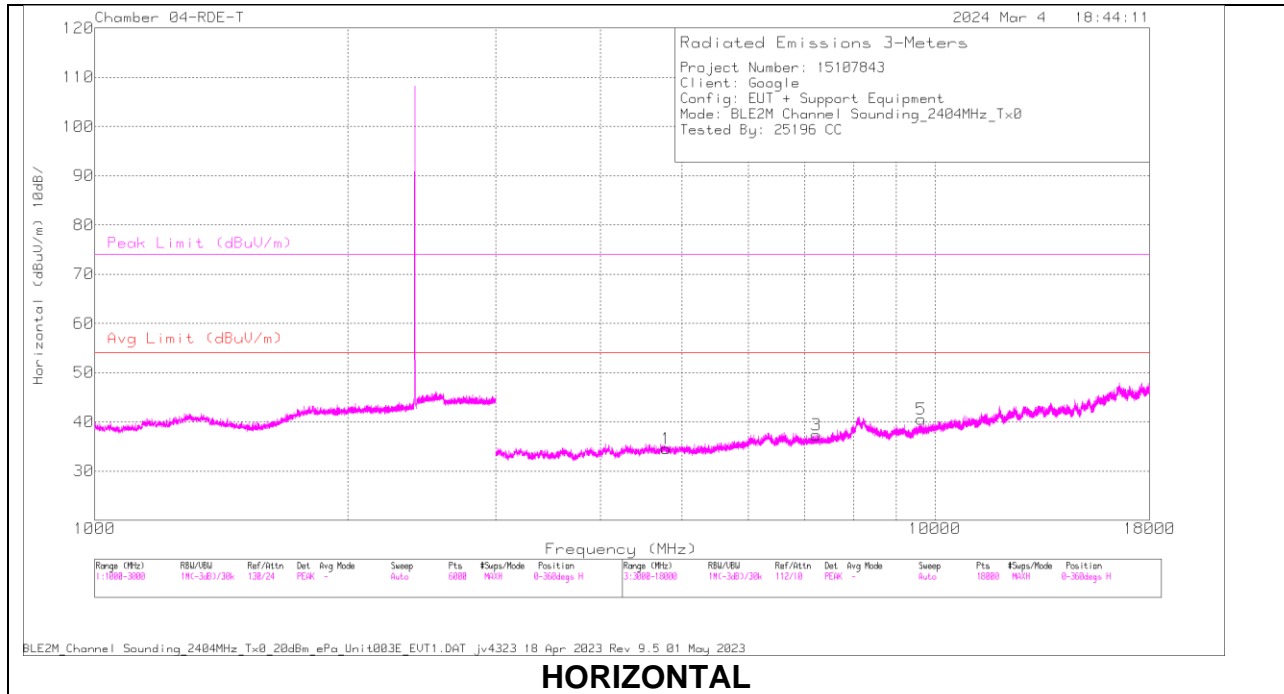


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 AFC (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2483.5	57.23	Pk	33.4	0	-38.87	51.76	-	-	74	-22.24	57	335	V
2	** 2484.056	60	Pk	33.4	0	-38.89	54.51	-	-	74	-19.49	57	335	V
3	** 2483.5	45.74	RMS	33.4	10.03	-38.87	50.3	54	-3.7	-	-	57	335	V
4	** 2496.822	46.78	RMS	33.4	10.03	-38.77	51.44	54	-2.56	-	-	57	335	V

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

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



## RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	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	*** 4787.499	57.75	PK2	34.2	0	-46.72	45.23	-	-	74	-28.77	259	155	H
	** 4787.79	45.66	MAv1	34.2	10.03	-46.7	43.19	54	-10.81	-	-	259	155	H
2	*** 4799.698	57.31	PK2	34.2	0	-46.77	44.74	-	-	74	-29.26	68	234	V
	** 4799.105	45.51	MAv1	34.2	10.03	-46.79	42.95	54	-11.05	-	-	68	234	V
4	7198.391	56.14	PK2	35.6	0	-44.53	47.21	-	-	74	-26.79	287	104	V
3	7220.217	55.72	PK2	35.6	0	-44.47	46.85	-	-	74	-27.15	356	352	H
6	9616.064	55.87	PK2	36.7	0	-42.36	50.21	-	-	74	-23.79	0	280	V
5	9626.67	55.66	PK2	36.7	0	-42.24	50.12	-	-	74	-23.88	204	267	H

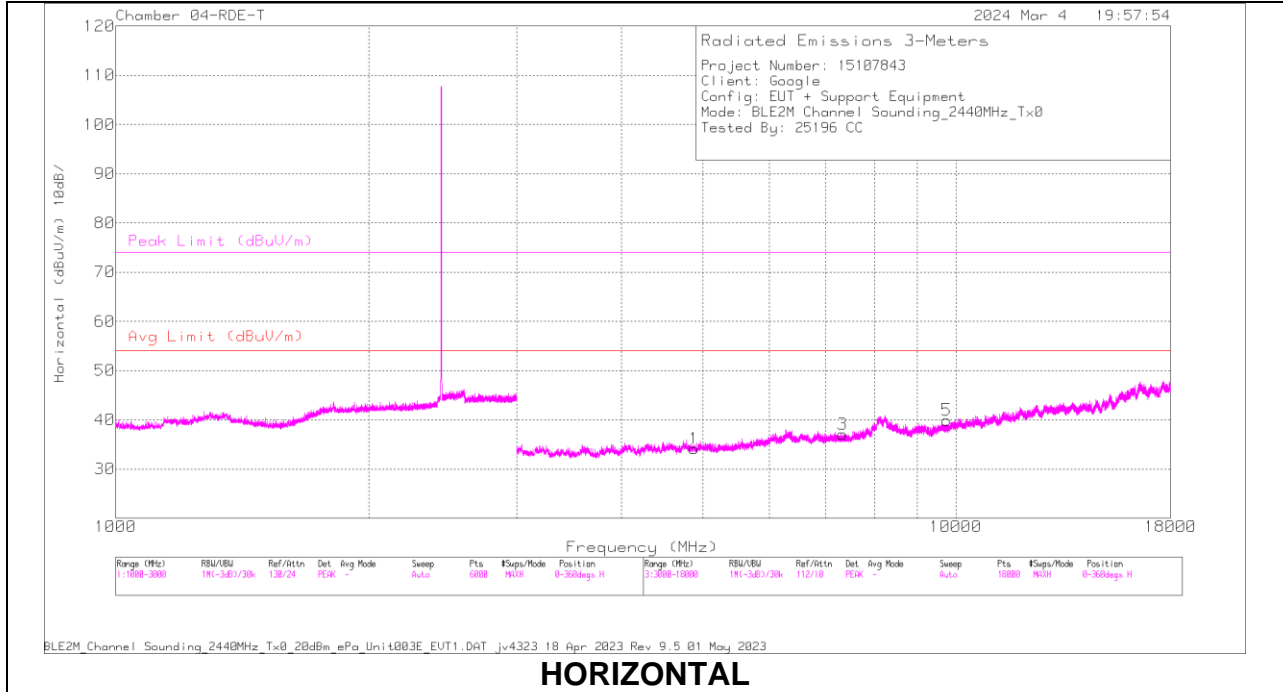
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

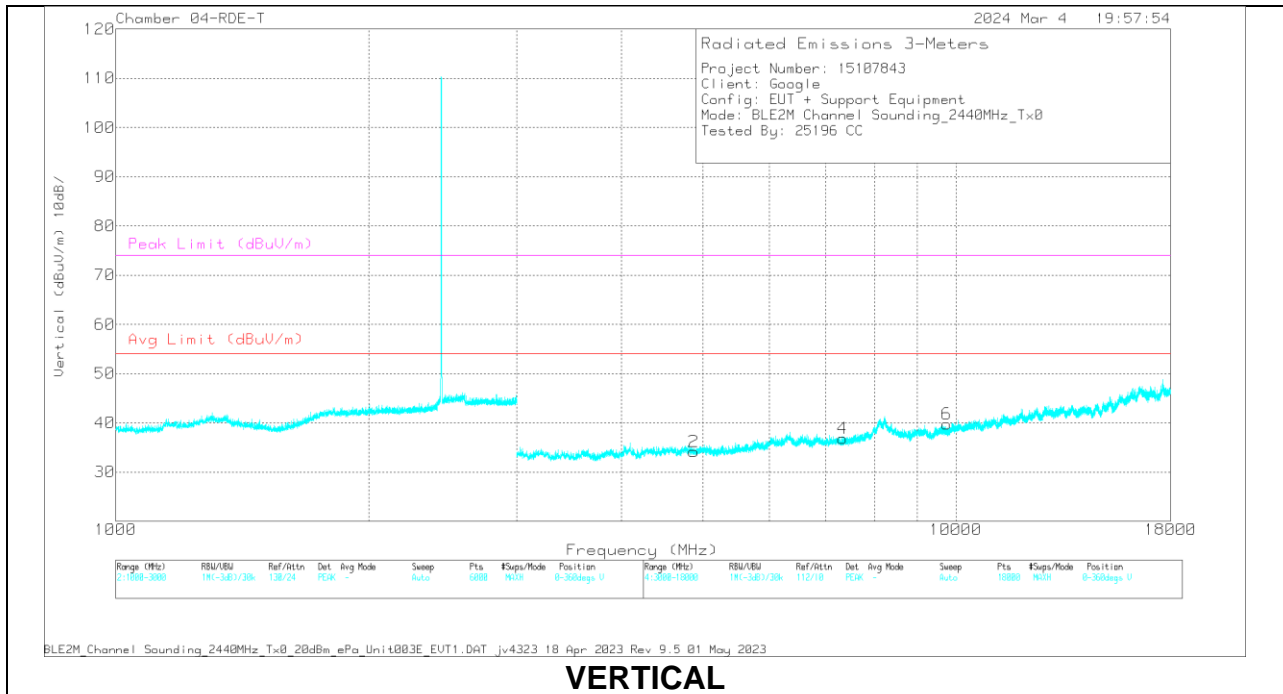
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

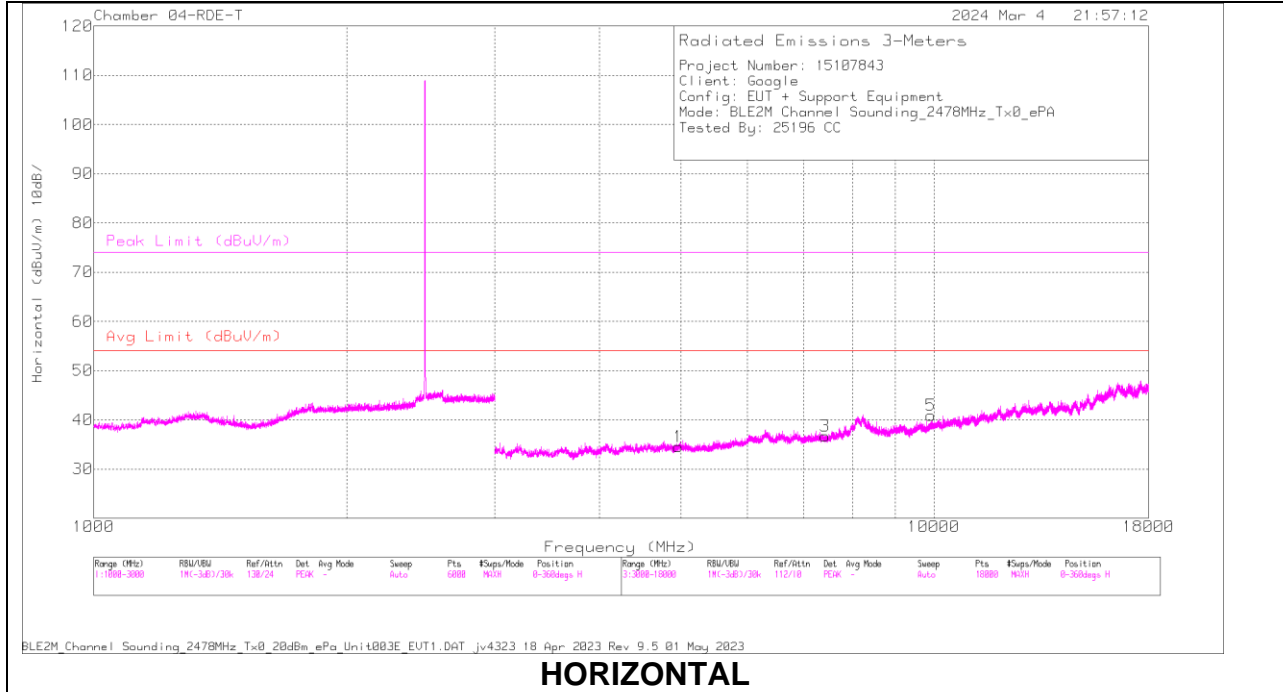
**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	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	*** 4871.29	56.81	PK2	34.2	0	-46.57	44.44	-	-	74	-29.56	18	362	H
	*** 4873.215	45.63	MAv1	34.2	10.03	-46.54	43.32	54	-10.68	-	-	18	362	H
3	*** 7326.851	55.95	PK2	35.5	0	-44.17	47.28	-	-	74	-26.72	231	361	H
	*** 7329.77	44.23	MAv1	35.5	10.03	-44.26	45.5	54	-8.5	-	-	231	361	H
2	*** 4874.397	57.67	PK2	34.2	0	-46.63	45.24	-	-	74	-28.76	226	173	V
	*** 4874.724	45.46	MAv1	34.2	10.03	-46.63	43.06	54	-10.94	-	-	226	173	V
4	*** 7335.943	56.57	PK2	35.5	0	-44.09	47.98	-	-	74	-26.02	7	296	V
	*** 7333.461	44.13	MAv1	35.5	10.03	-44.17	45.49	54	-8.51	-	-	7	296	V
5	9743.013	56.35	PK2	36.9	0	-42.81	50.44	-	-	74	-23.56	36	339	H
6	9748.955	55.8	PK2	36.9	0	-42.57	50.13	-	-	74	-23.87	20	292	V

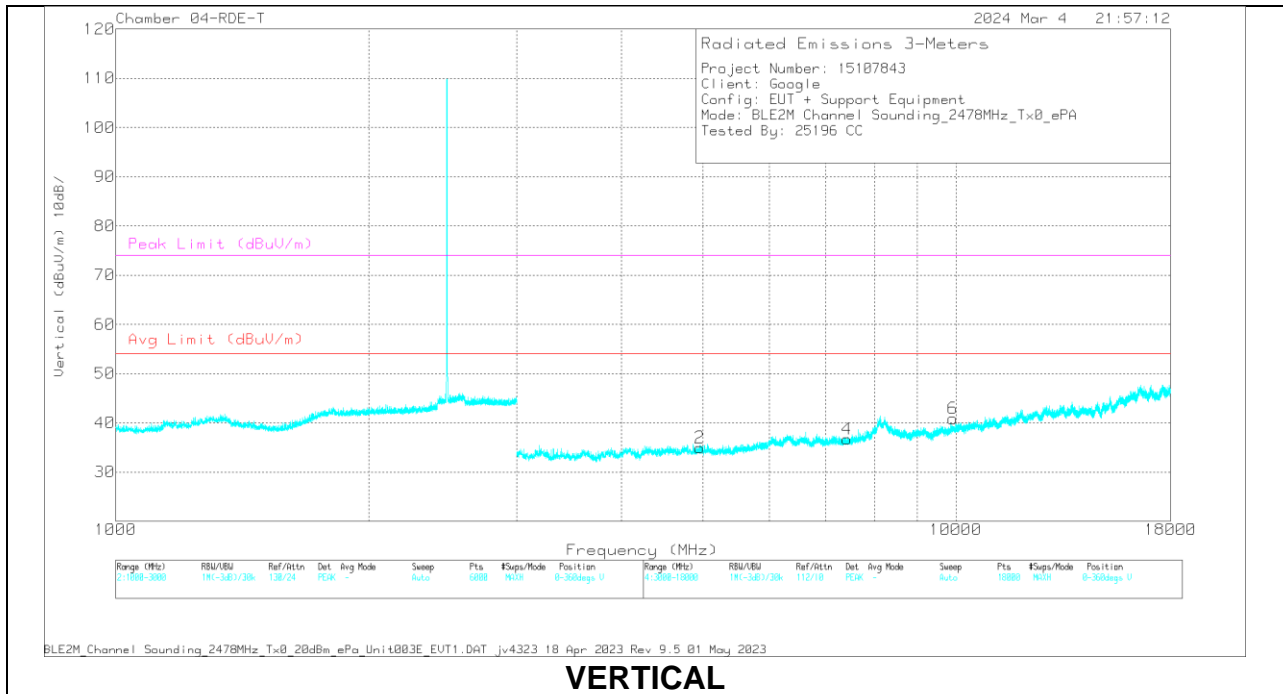
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average



### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	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	*** 4961.529	57.44	PK2	34.3	0	-46.71	45.03	-	-	74	-28.97	232	188	H
	*** 4961.513	45.66	MAv1	34.3	10.03	-46.71	43.28	54	-10.72	-	-	232	188	H
3	*** 7417.781	56.17	PK2	35.4	0	-44.4	47.17	-	-	74	-26.83	116	357	H
	*** 7419.262	44.16	MAv1	35.4	10.03	-44.34	45.25	54	-8.75	-	-	116	357	H
2	*** 4950.844	56.71	PK2	34.3	0	-46.57	44.44	-	-	74	-29.56	96	348	V
	*** 4949.847	45.27	MAv1	34.3	10.03	-46.51	43.09	54	-10.91	-	-	96	348	V
4	*** 7417.807	56.1	PK2	35.4	0	-44.4	47.1	-	-	74	-26.9	143	317	V
	*** 7419.033	44.15	MAv1	35.4	10.03	-44.34	45.24	54	-8.76	-	-	143	317	V
6	9916.657	56.3	PK2	37	0	-42.3	51	-	-	74	-23	25	109	V
5	9916.979	55.55	PK2	37	0	-42.27	50.28	-	-	74	-23.72	102	111	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

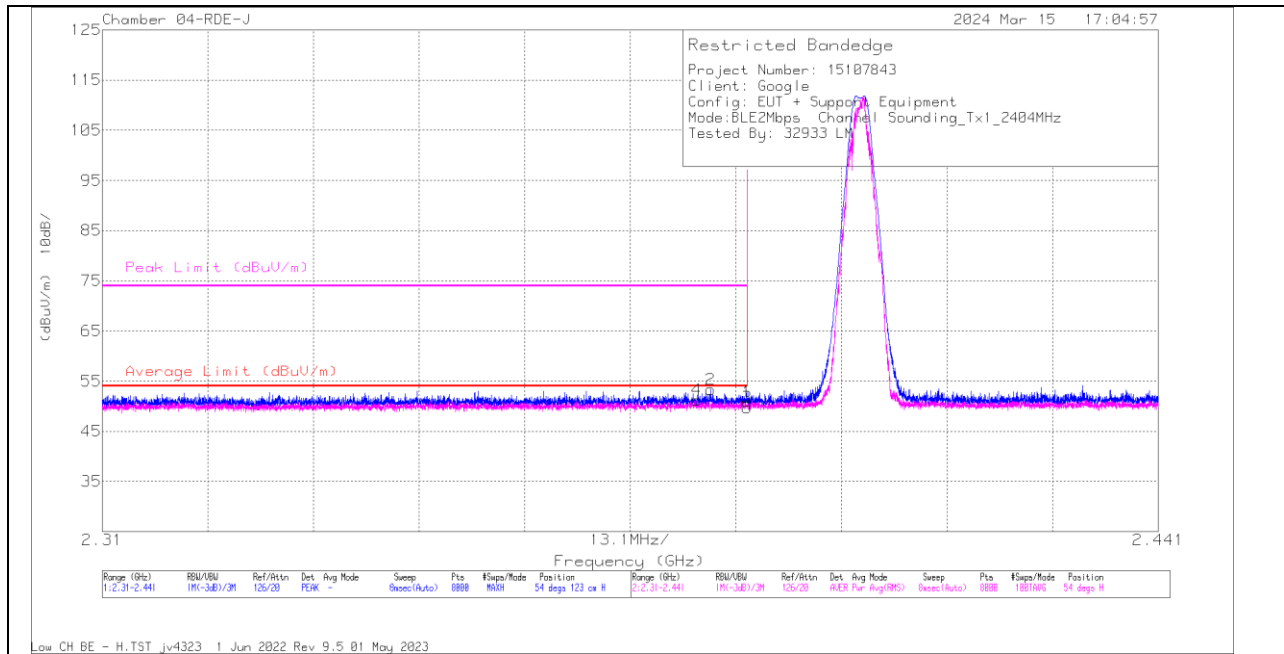
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**Tx1**

**BANDEDGE (LOW CHANNEL)**

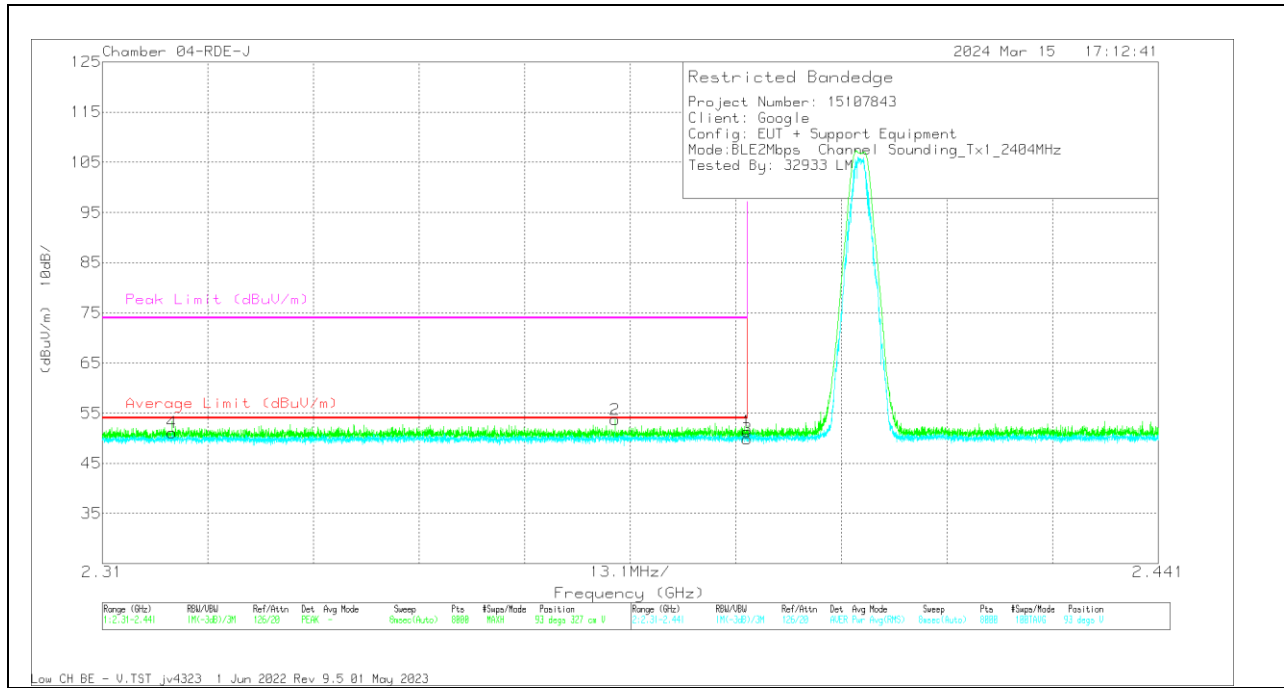
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meas Reading (dBu/m)	Det	222741 ACF 9m (dBm)	CD/Amp (dB)	DCCF (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
4	** 2.383762	46.2	RMS	32	-37	10.03	51.23	54	-2.77	-	-	54	123	H
2	** 2.386432	58.83	Pk	32	-37	0	53.83	-	-	74	-20.67	54	123	H
1	** 2.39	56.02	Pk	32	-37.1	0	50.92	-	-	74	-23.08	54	123	H
3	** 2.39	44.77	RMS	32	-37.1	10.03	49.7	54	-4.3	-	-	54	123	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

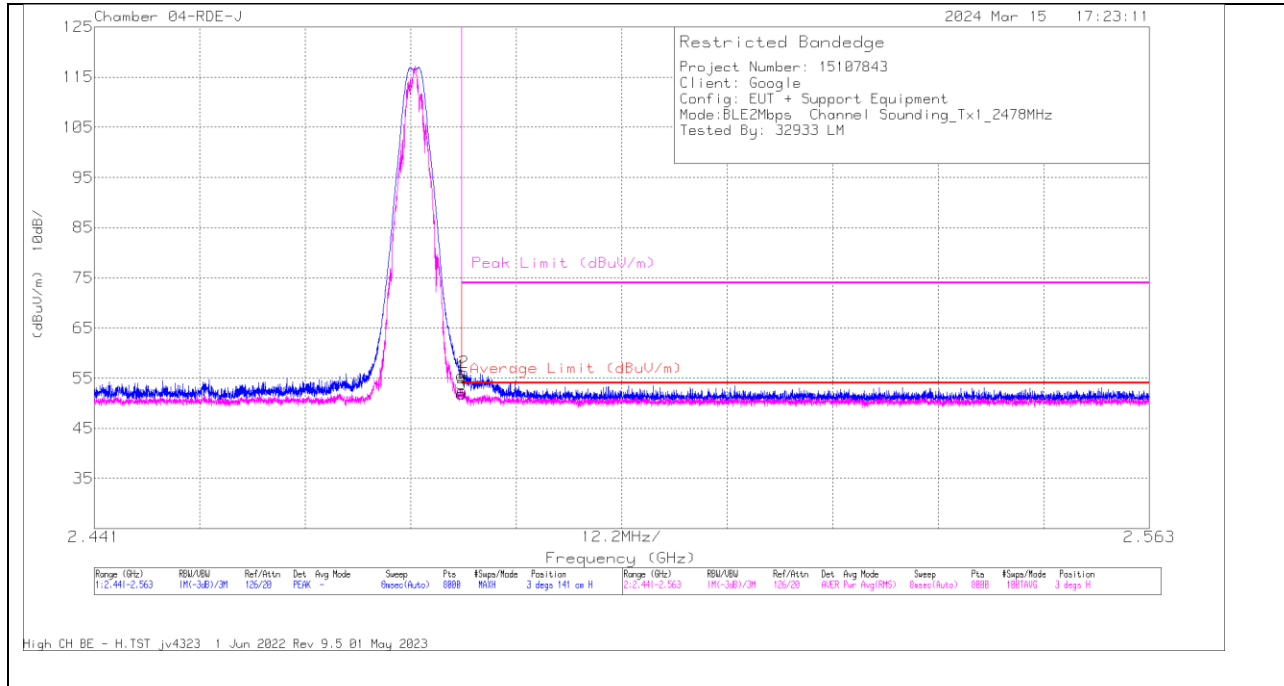


Marker	Frequency (GHz)	Meter Reading (dBu)	Det	222741 ACI 9m (dBm)	CD/Amp (dB)	DOCF (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
4	** 2.31865	46.38	RMS	31.8	-37.1	10.03	51.11	-54	-2.89	-	-	93	327	V
2	** 2.379508	58.8	PK	32	-37.1	0	53.7	-	-	74	-20.3	93	327	V
1	** 2.39	56.47	PK	32	-37.1	0	51.37	-	-	74	-22.63	93	327	V
3	** 2.39	44.96	RMS	32	-37.1	10.03	49.89	-54	-4.11	-	-	93	327	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)**

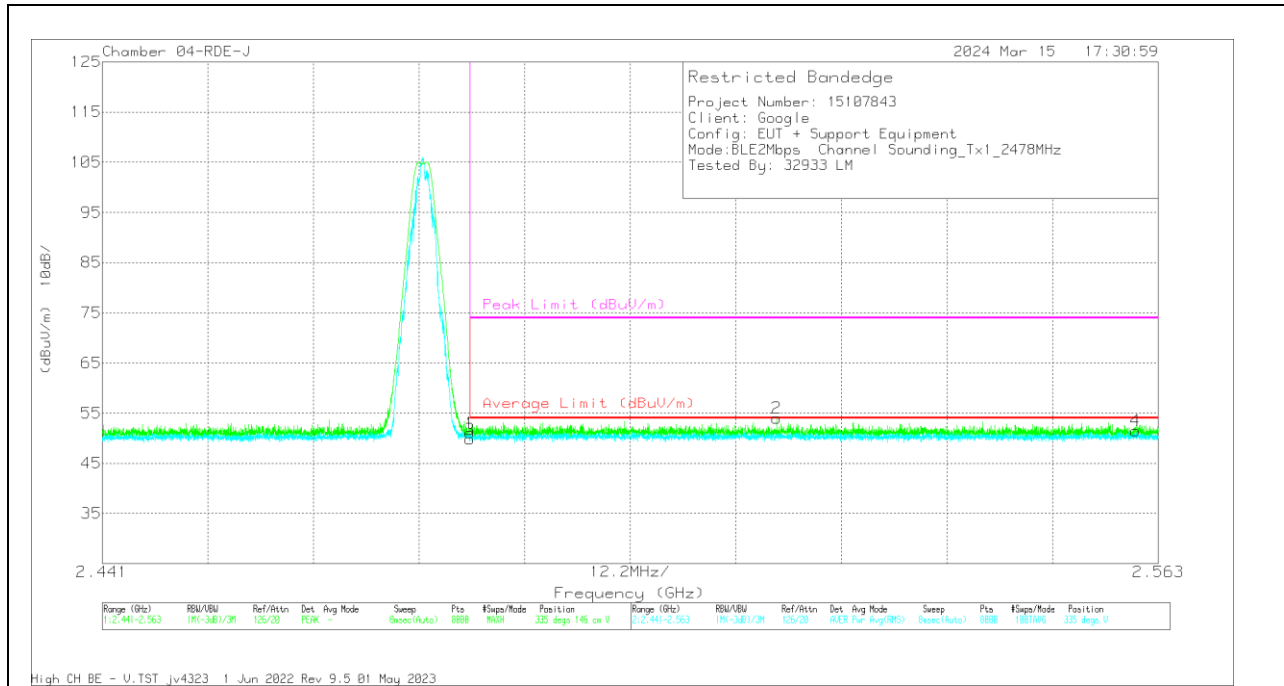
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meas Reading (dBm)	Det	222741 ACF 3m (dBm)	Cd(Amp) (dB)	DCCF (dB)	Corrected Reading (dBm)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2.4835	60.26	PK	32.2	-37	0	55.46	-	-	74	-18.54	3	141	H
3	** 2.4835	46.67	RMS	32.2	-37	10.03	51.9	54	-2.1	-	-	3	141	H
4	** 2.483588	47.21	RMS	32.2	-37	10.03	52.44	54	-1.56	-	-	3	141	H
2	** 2.483762	60.62	PK	32.3	-37	0	56.12	-	-	74	-17.88	3	141	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

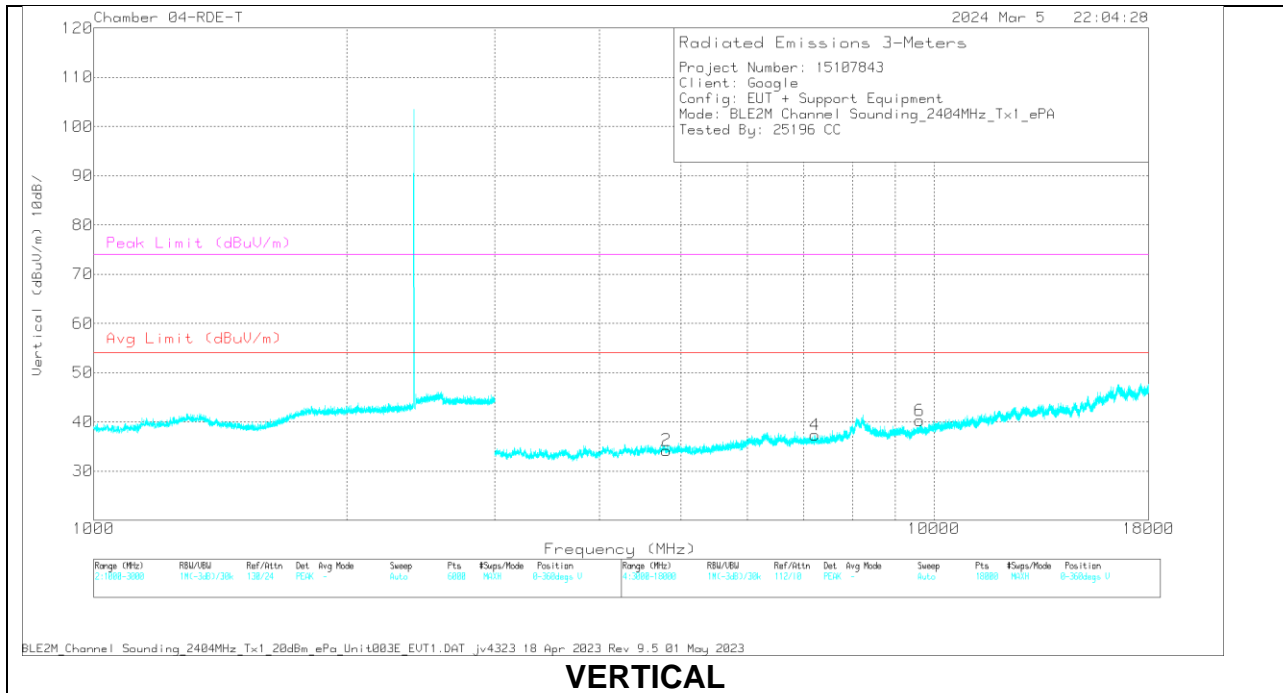
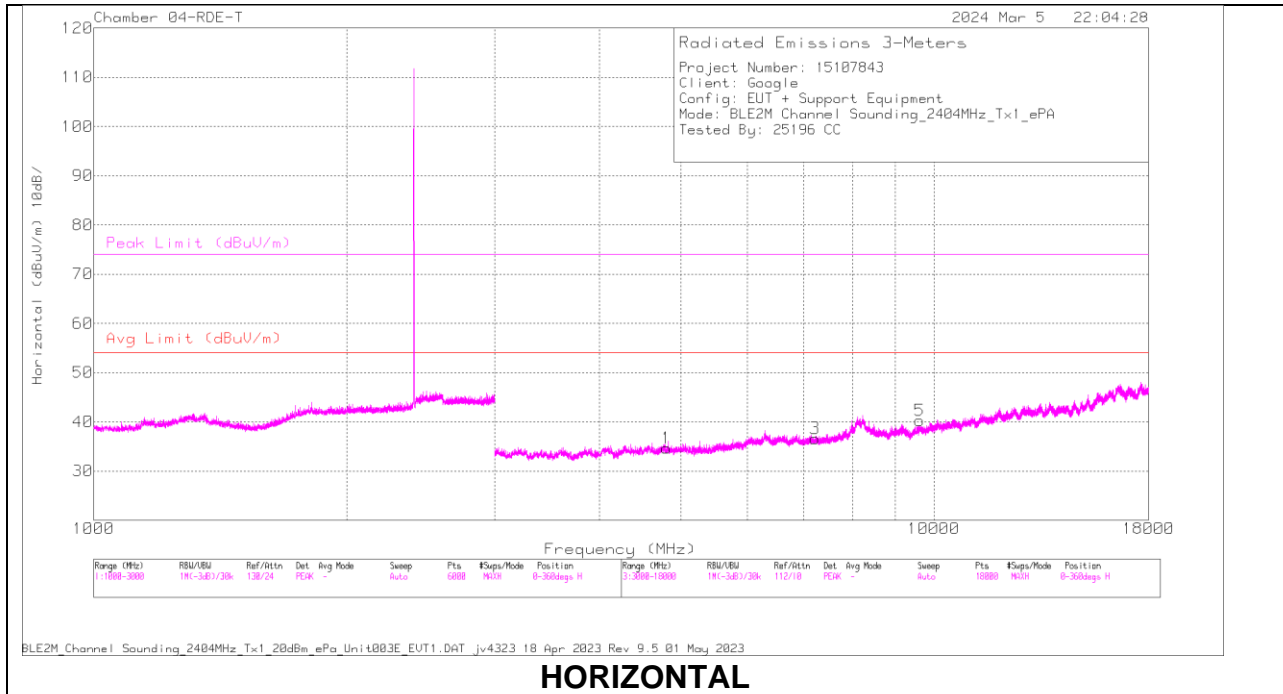


Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	222741 ACF 3m (dBm)	ChlAmp (dB)	DCCP (dB)	Corrected Reading (dBuV)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2.4835	55.87	Pk	32.2	-37	0	51.07	-	-	74	-22.93	335	146	V
3	** 2.4835	44.57	RMS	32.2	-37	10.03	49.8	54	-4.2	-	-	335	146	V
2	** 2.518922	58.51	Pk	32.3	-36.9	0	54.01	-	-	74	-19.99	335	146	V
4	** 2.560362	46.04	RMS	32.3	-36.9	10.03	51.47	54	-2.53	-	-	335	146	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	84796 AFC (dB/m) - 3mH	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	*** 4805.076	56.88	PK2	34.2	0	-46.76	44.32	-	-	74	-29.68	188	278	H
	*** 4802.235	45.46	MAv1	34.2	10.03	-46.7	42.99	54	-11.01	-	-	188	278	H
2	*** 4808.03	57.25	PK2	34.2	0	-46.8	44.65	-	-	74	-29.35	144	177	V
	*** 4810.031	45.35	MAv1	34.2	10.03	-46.79	42.79	54	-11.21	-	-	144	177	V
3	7221.1	56.04	PK2	35.6	0	-44.45	47.19	-	-	74	-26.81	317	296	H
	7224.223	55.57	PK2	35.6	0	-44.54	46.63	-	-	74	-27.37	290	258	V
5	9613.27	56.04	PK2	36.7	0	-42.3	50.44	-	-	74	-23.56	243	181	H
	9618.532	55.92	PK2	36.7	0	-42.24	50.38	-	-	74	-23.62	350	138	V

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

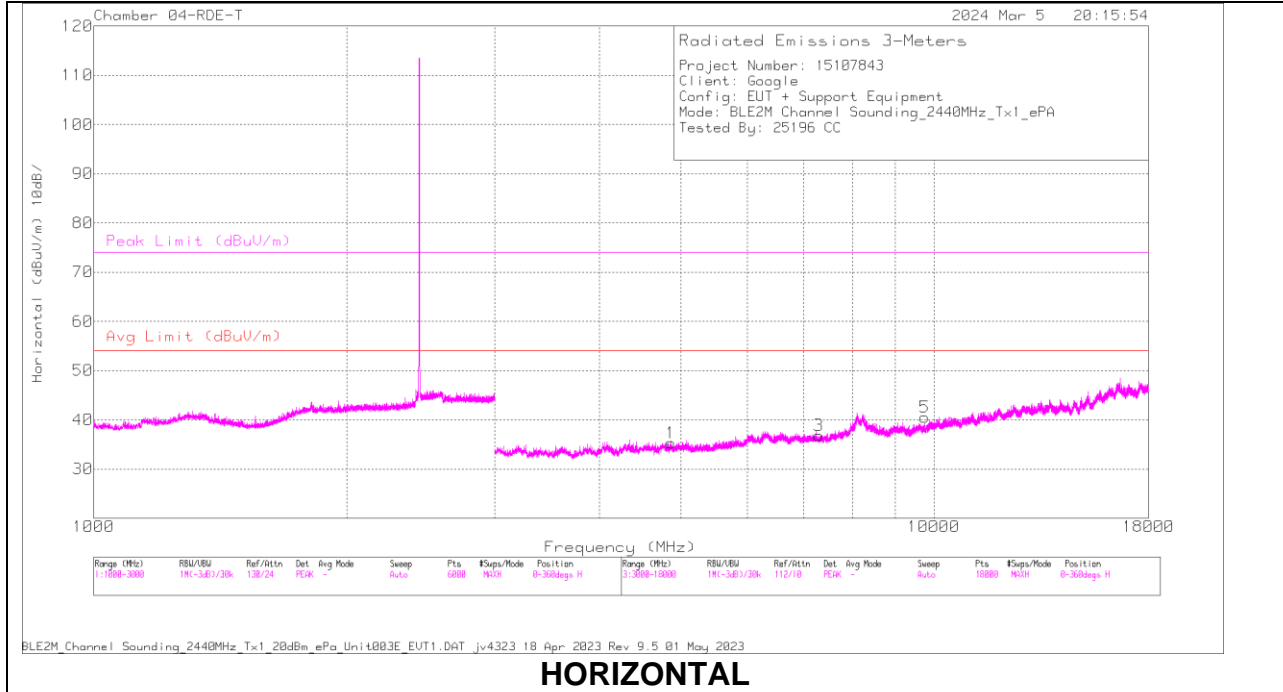
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

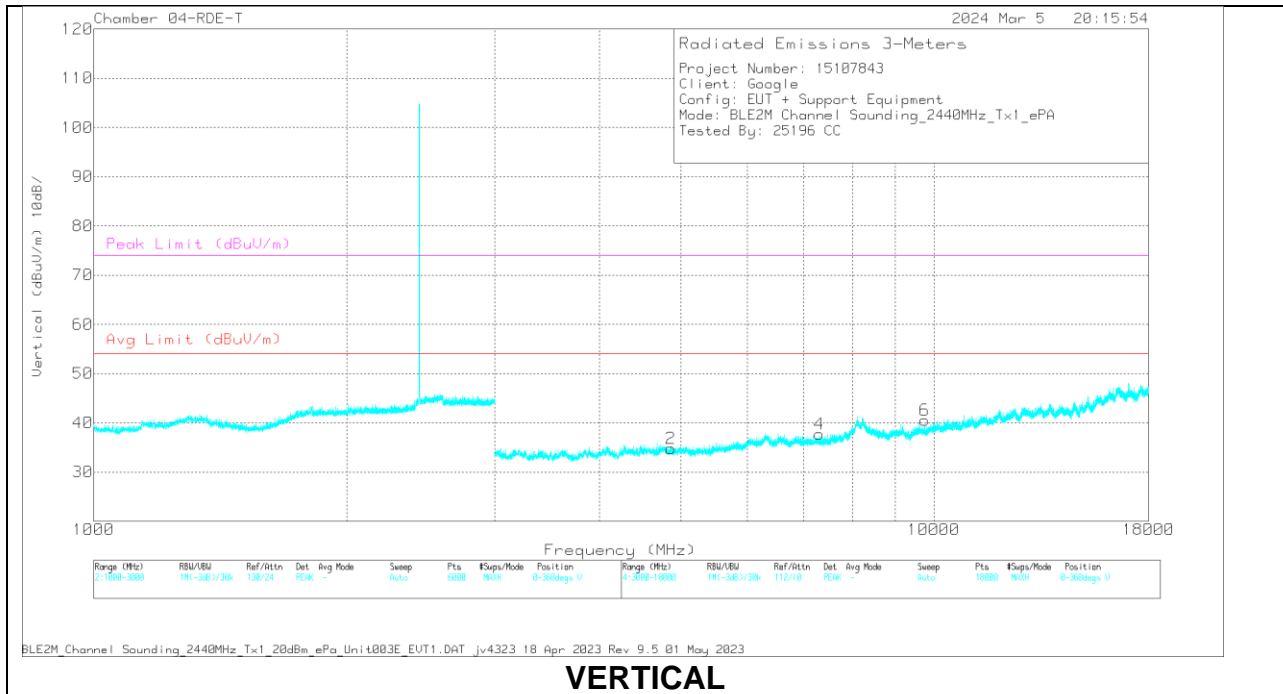
MAv1 - KDB558074 Option 1 Maximum RMS Average



### MID CHANNEL RESULTS



### HORIZONTAL



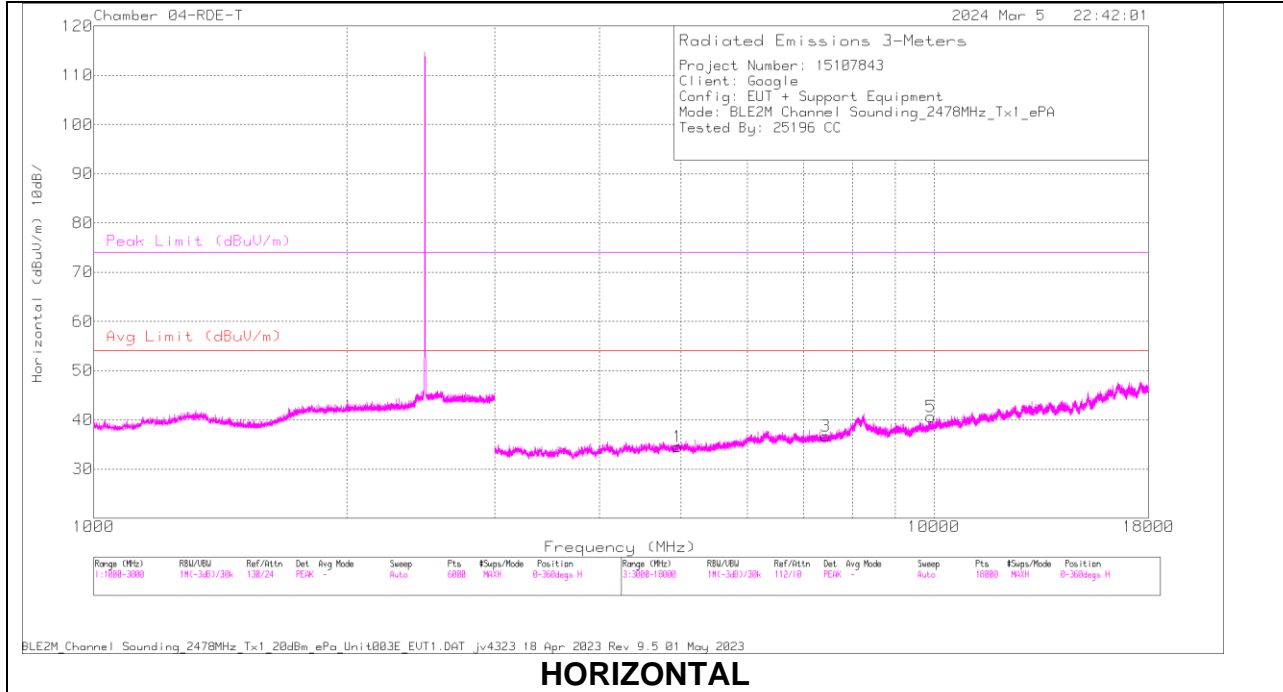
### VERTICAL

**RADIATED EMISSIONS**

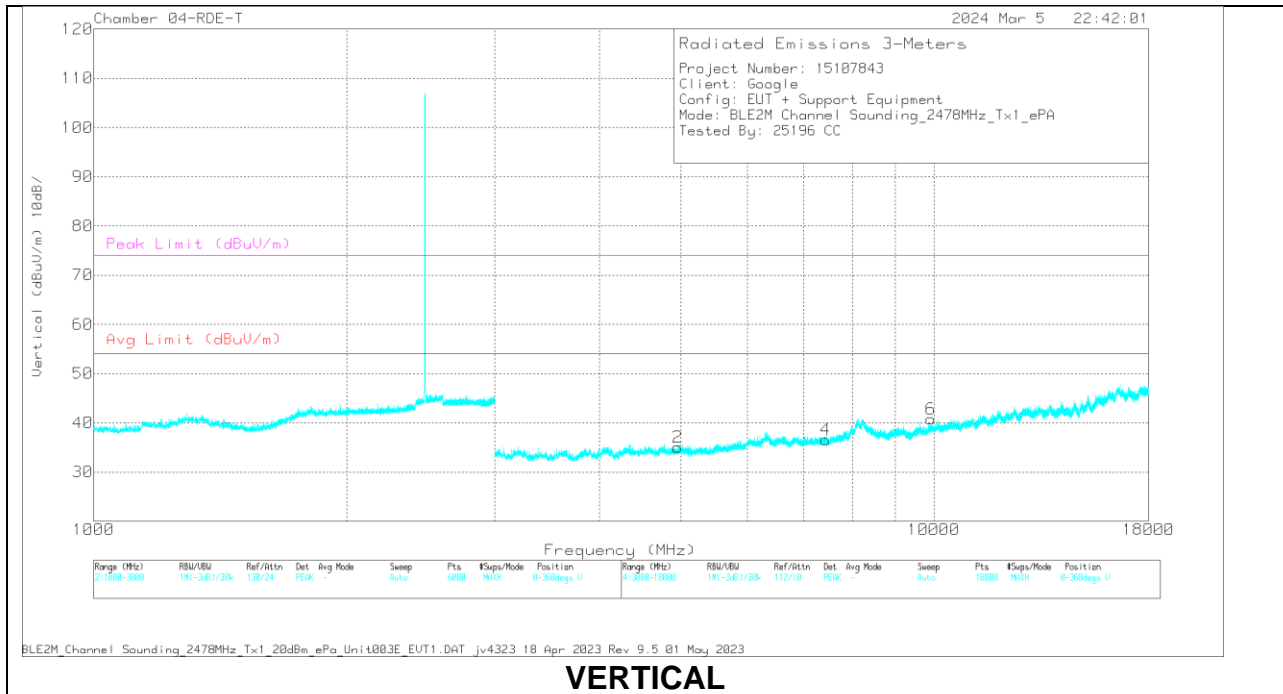
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4857.949	57.24	PK2	34.2	0	-46.69	44.75	-	-	74	-29.25	92	192	H
	* ** 4858.358	45.36	MAv1	34.2	10.03	-46.69	42.9	54	-11.1	-	-	92	192	H
3	* ** 7299	55.85	PK2	35.5	0	-44.47	46.88	-	-	74	-27.12	228	230	H
	* ** 7300.014	44.22	MAv1	35.5	10.03	-44.44	45.31	54	-8.69	-	-	228	230	H
2	* ** 4862.065	57.28	PK2	34.2	0	-46.67	44.81	-	-	74	-29.19	12	214	V
	* ** 4863.681	45.43	MAv1	34.2	10.03	-46.6	43.06	54	-10.94	-	-	12	214	V
4	* ** 7312.036	56.26	PK2	35.5	0	-44.14	47.62	-	-	74	-26.38	179	210	V
	* ** 7309.083	44.11	MAv1	35.5	10.03	-44.14	45.5	54	-8.5	-	-	179	210	V
6	9743.957	56.48	PK2	36.9	0	-42.75	50.63	-	-	74	-23.37	75	109	V
	9745.292	56.43	PK2	36.9	0	-42.76	50.57	-	-	74	-23.43	8	335	H

\* - 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**

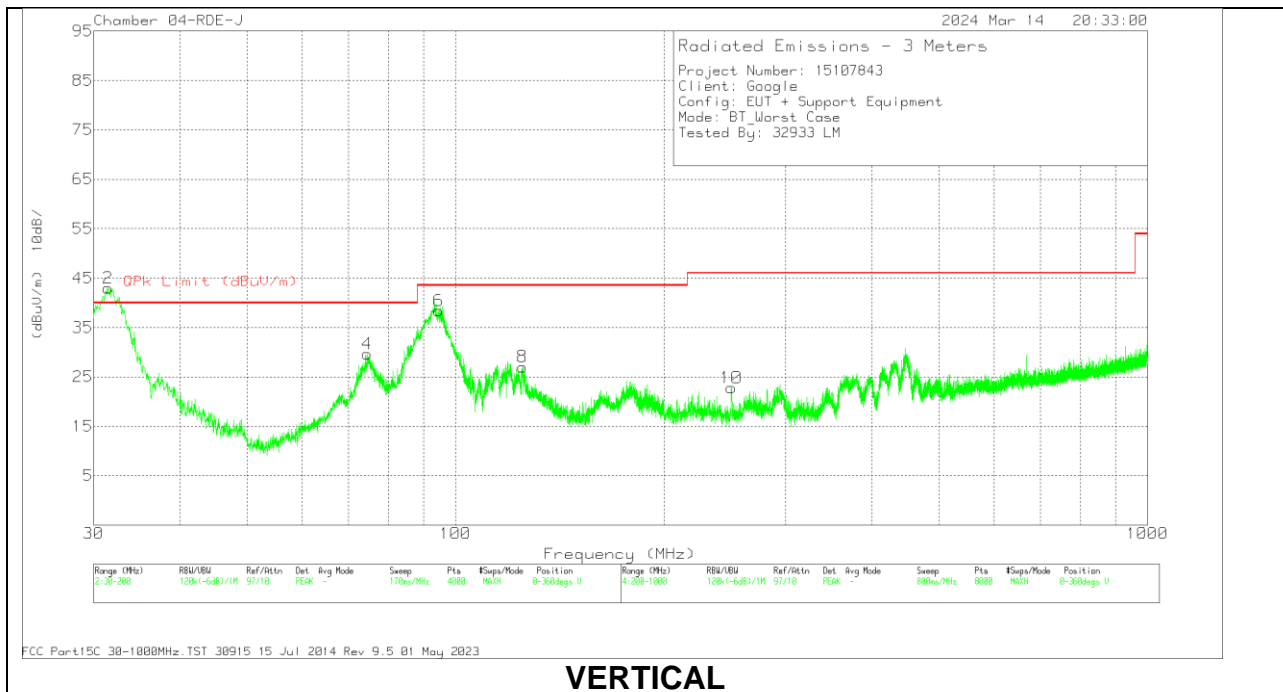
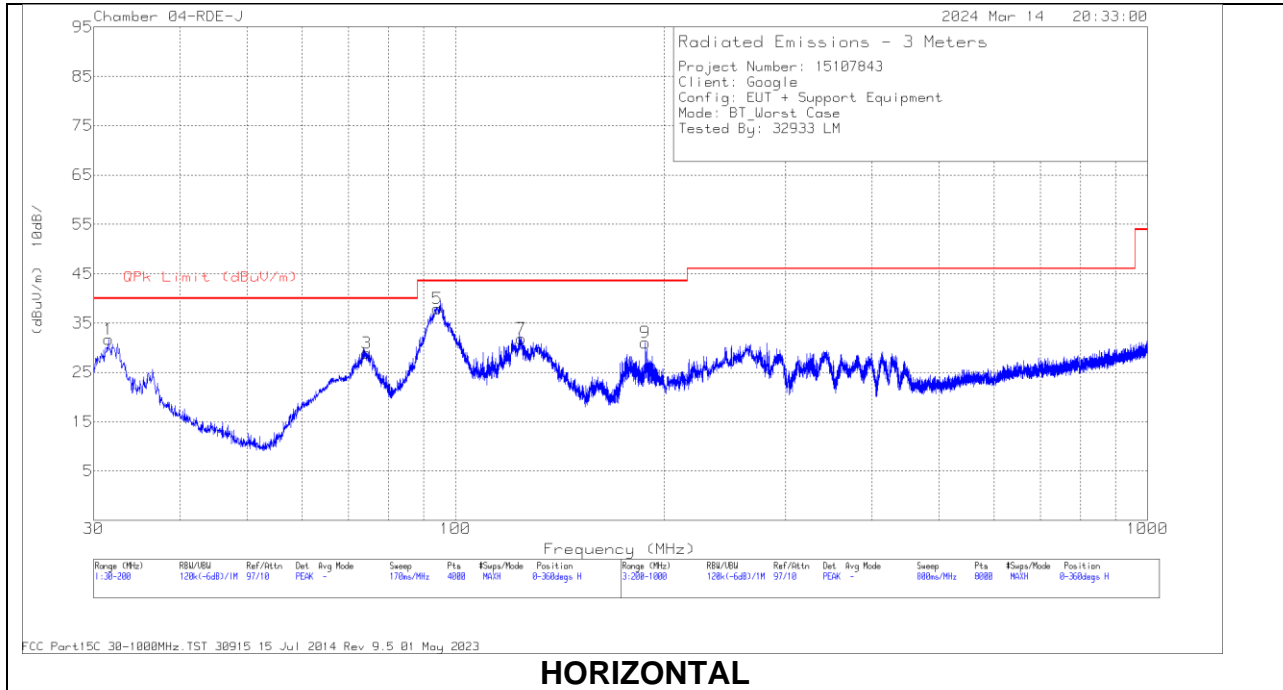
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	84796 AFC (dB/m) - 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4957.161	57.08	PK2	34.3	0	-46.59	44.79	-	-	74	-29.21	9	118	H
	*** 4958.208	45.4	MAv1	34.3	10.03	-46.56	43.17	54	-10.83	-	-	9	118	H
3	*** 7429.627	56.07	PK2	35.4	0	-44.38	47.09	-	-	74	-26.91	97	218	H
	*** 7431.44	44.31	MAv1	35.4	10.03	-44.28	45.46	54	-8.54	-	-	97	218	H
2	*** 4951.526	57.08	PK2	34.3	0	-46.61	44.77	-	-	74	-29.23	331	170	V
	*** 4954.267	45.32	MAv1	34.3	10.03	-46.74	42.91	54	-11.09	-	-	331	170	V
4	*** 7428.412	56.1	PK2	35.4	0	-44.39	47.11	-	-	74	-26.89	131	262	V
	*** 7428.06	44.26	MAv1	35.4	10.03	-44.41	45.28	54	-8.72	-	-	131	262	V
5	9911.562	56.38	PK2	37	0	-42.38	51	-	-	74	-23	353	130	H
6	9924.543	56.28	PK2	37.1	0	-42.51	50.87	-	-	74	-23.13	108	236	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

### 10.3. WORST CASE BELOW 1 GHz

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

##### 10.3.1. BLUETOOTH TXBF



**Below 1GHz Data**

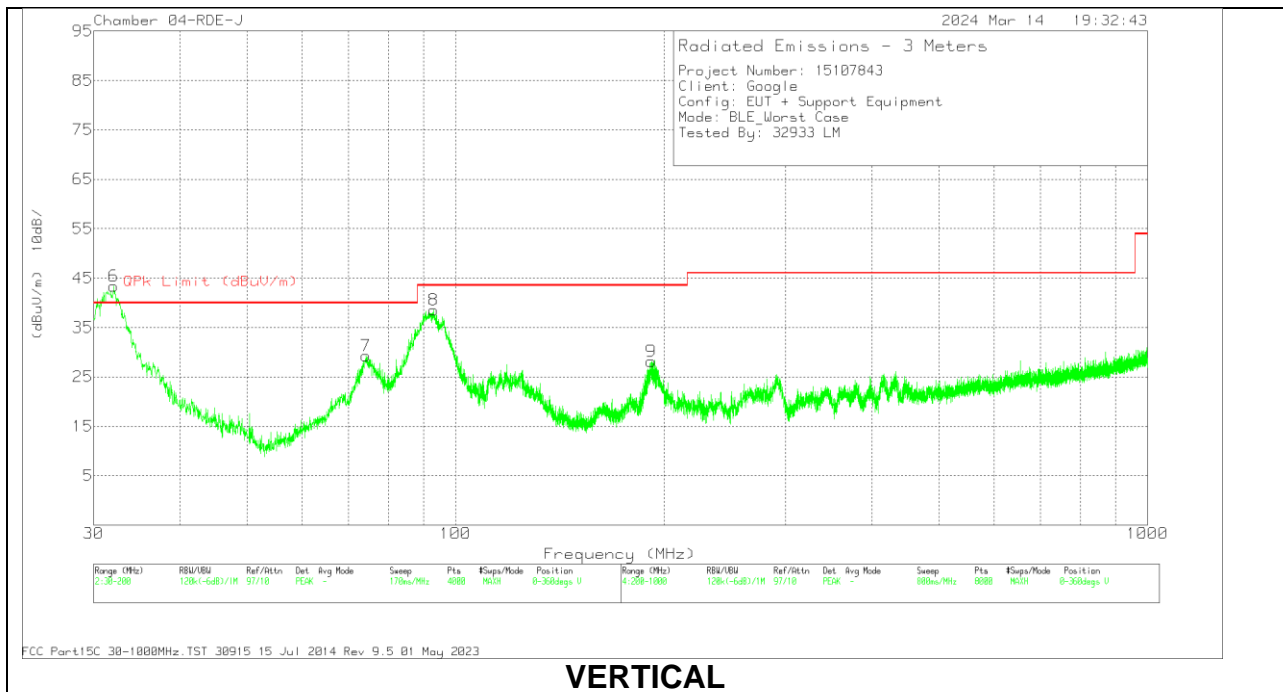
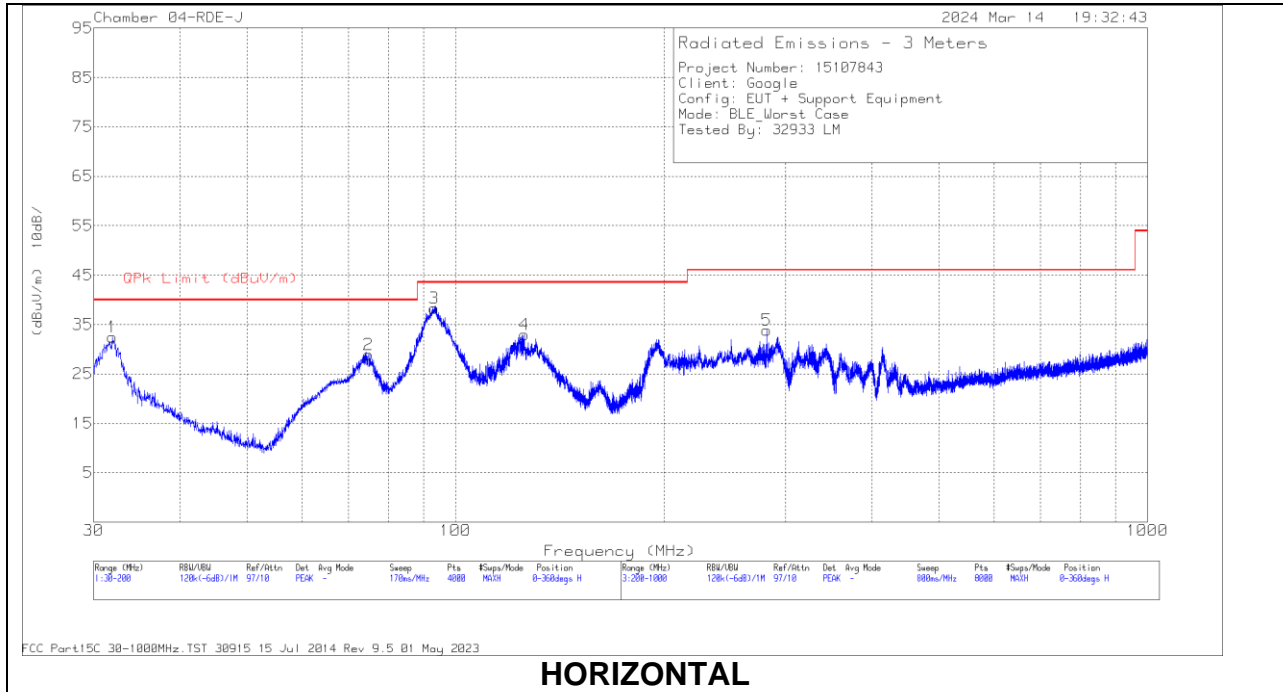
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB/m)	CBL/AMP (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 74.3815	45.89	Pk	13.9	-30.9	28.89	40	-11.11	0-360	199	H
7	* 124.587	42.26	Pk	20	-30.4	31.86	43.52	-11.66	0-360	199	H
4	* 74.594	46.66	Pk	13.9	-30.9	29.66	40	-10.34	0-360	100	V
8	* 124.885	37.36	Pk	20	-30.3	27.06	43.52	-16.46	0-360	100	V
10	* 250.407	35.71	Pk	17.4	-30.3	22.81	46.02	-23.21	0-360	99	V
2	31.5039	44.03	Qp	25.7	-31.5	38.23	40	-1.77	309	142	V
1	31.5304	37.55	Pk	25.7	-31.5	31.75	40	-8.25	0-360	299	H
5	94.4339	50.9	Qp	14.7	-31.2	34.4	43.52	-9.12	140	315	H
6	94.448	50.45	Qp	14.7	-31.2	33.95	43.52	-9.57	0	103	V
9	188.098	44.3	Pk	17.1	-30.4	31	43.52	-12.52	0-360	99	H

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

Pk - Peak detector

Qp - Quasi-Peak detector

**10.3.2. BLE TXBF**



**Below 1GHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB/m)	CBL/AMP (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 74.8491	45.75	Pk	13.9	-30.8	28.85	40	-11.15	0-360	399	H
4	* 125.82	43.41	Pk	20	-30.5	32.91	43.52	-10.61	0-360	199	H
7	* 74.2114	46.37	Pk	13.9	-31	29.27	40	-10.73	0-360	100	V
5	* 281.611	44.82	Pk	19.2	-30.2	33.82	46.02	-12.2	0-360	99	H
1	31.913	38.54	Pk	25.4	-31.5	32.44	40	-7.56	0-360	299	H
6	32.1339	45.88	Qp	25.2	-31.5	39.58	40	-4.2	292	100	V
8	92.5826	51.09	Qp	14.3	-30.9	34.49	43.52	-9.03	10	100	V
3	93.0044	51.09	Qp	14.4	-30.8	34.69	43.52	-8.83	133	308	H
9	191.797	41.07	Pk	17.4	-30.3	28.17	43.52	-15.35	0-360	100	V

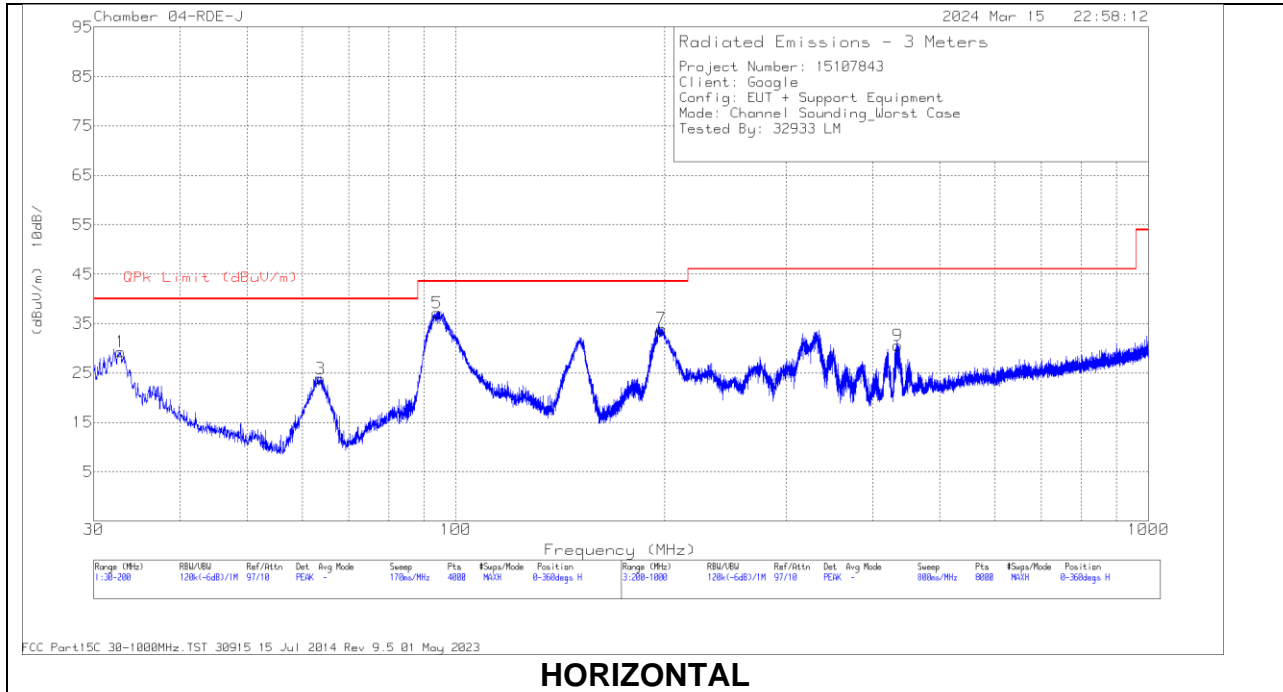
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

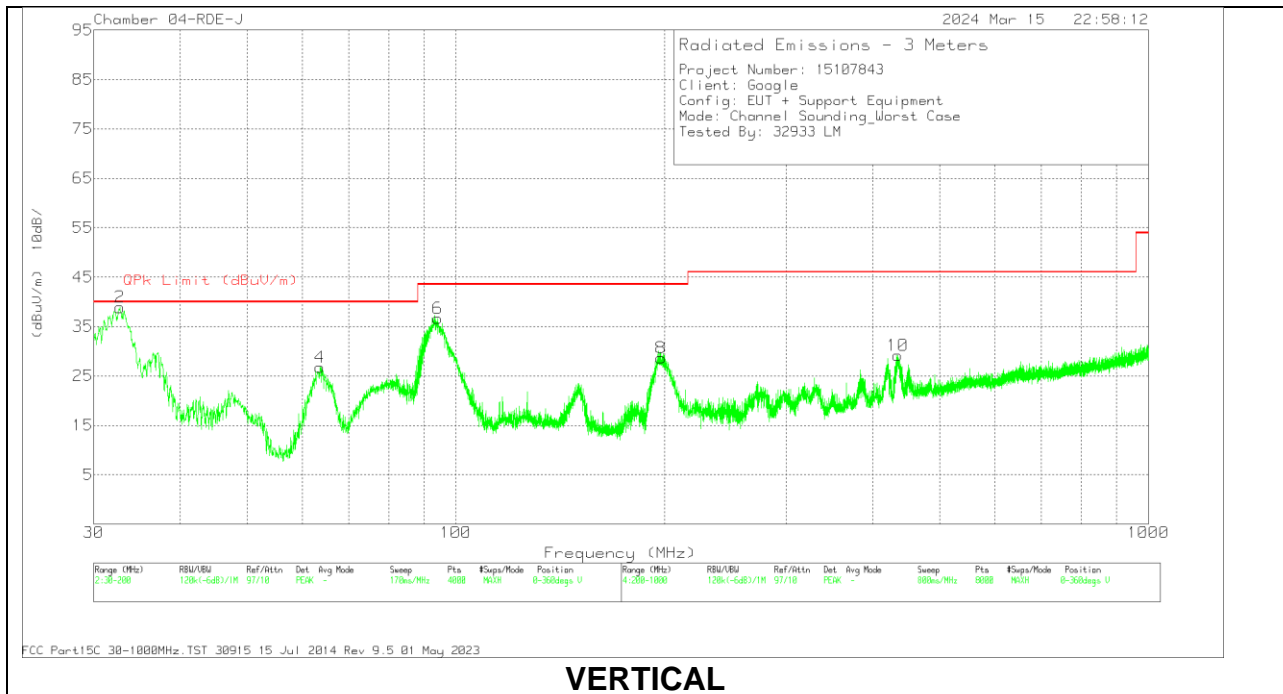
Qp - Quasi-Peak detector



### 10.3.3. BLE GFSK, MODE 0 (CHANNEL SOUNDING)



**HORIZONTAL**



**VERTICAL**

**Below 1GHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB/m)	CBL/AMP (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.8057	36.23	Pk	24.8	-31.7	29.33	40	-10.67	0-360	299	H
2	32.7024	41.73	Qp	24.9	-31.6	35.03	40	-4.97	102	112	V
3	63.7112	41.58	Pk	13.6	-31.4	23.78	40	-16.22	0-360	299	H
4	63.6687	44.58	Pk	13.6	-31.4	26.78	40	-13.22	0-360	100	V
5	93.9365	53.76	Pk	14.6	-31.2	37.16	43.52	-6.36	0-360	299	H
6	94.1066	53.23	Pk	14.6	-31.2	36.63	43.52	-6.89	0-360	100	V
7	197.961	46.47	Pk	18.1	-30.6	33.97	43.52	-9.55	0-360	99	H
8	197.876	41.14	Pk	18.1	-30.6	28.64	43.52	-14.88	0-360	100	V
9	434.33	37.6	Pk	22.4	-29.5	30.5	46.02	-15.52	0-360	199	H
10	434.53	36.22	Pk	22.5	-29.6	29.12	46.02	-16.9	0-360	99	V

Pk - Peak detector

Qp - Quasi-Peak detector

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dB $\mu$ 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.

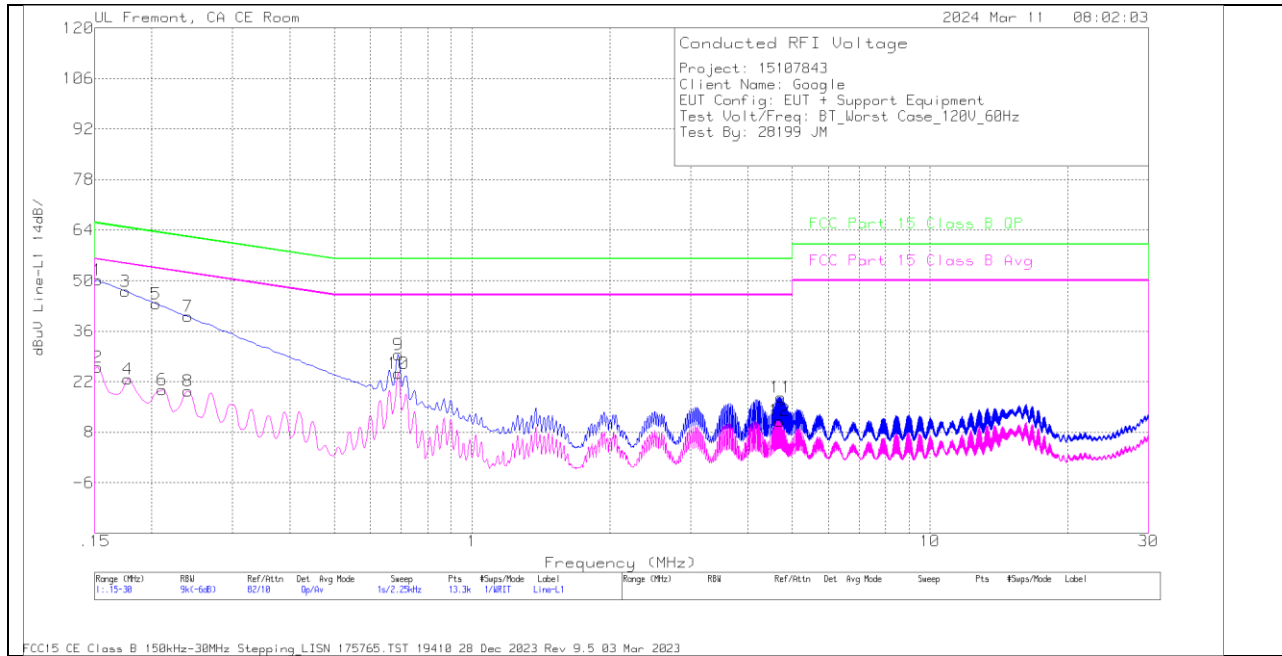
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

# 11.1. BLUETOOTH TXBF

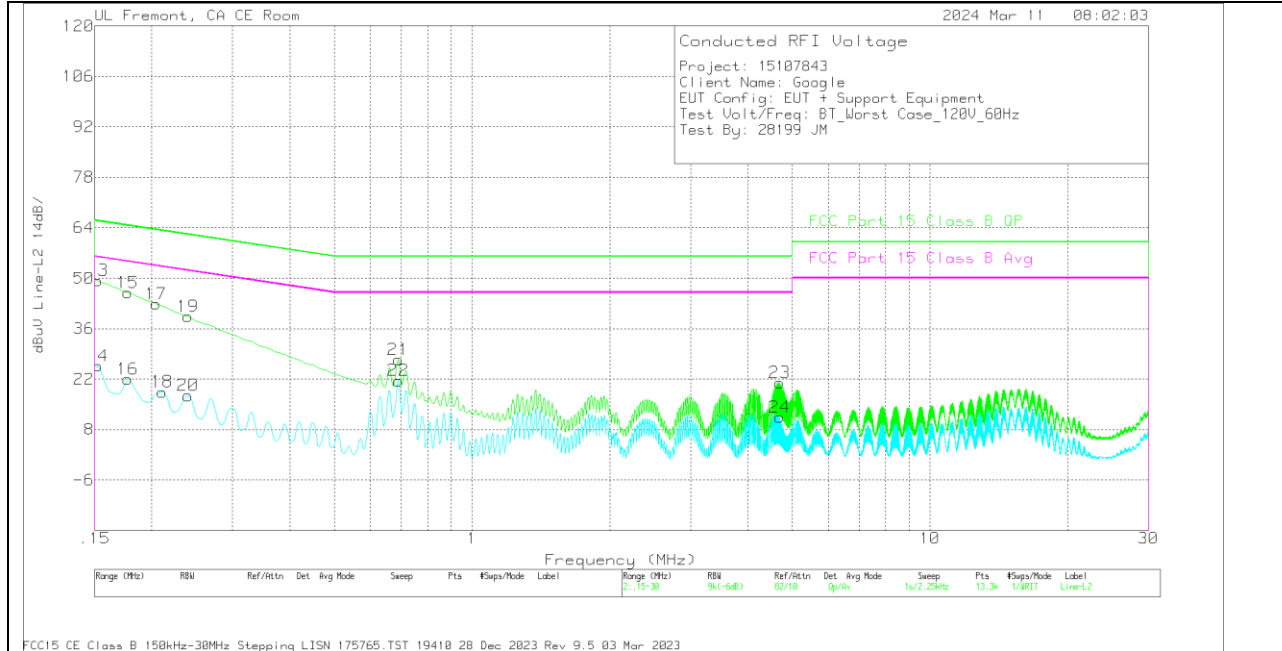
## LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Tms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15C QP Limit (dBuV)	QP Margin (dB)	FCC Part 15C Avg Limit (dBuV)	Av Margin (dB)
2	.1523	16.56	Av	0	0	9.5	26.06	-	-	55.88	-29.82
4	.177	13.26	Av	0	.1	9.4	22.76	-	-	54.63	-31.87
6	.2108	10.3	Av	0	.1	9.4	19.8	-	-	53.18	-33.38
8	.24	9.99	Av	0	0	9.4	19.39	-	-	52.1	-32.71
10	.69	14.91	Av	0	.1	9.3	24.31	-	-	46	-21.69
12	4.6905	1.65	Av	0	.1	9.4	11.15	-	-	46	-34.85
1	.1523	40.63	Qp	0	0	9.5	50.13	65.88	-15.75	-	-
3	.1748	37.62	Qp	0	0	9.5	47.12	64.73	-17.61	-	-
5	.204	34.09	Qp	0	.1	9.4	43.59	63.45	-19.86	-	-
7	.24	30.62	Qp	0	0	9.4	40.02	62.1	-22.08	-	-
9	.69	20.06	Qp	0	.1	9.3	29.46	56	-26.54	-	-
11	4.7198	8.24	Qp	0	.1	9.4	17.74	56	-38.26	-	-

Qp - Quasi-Peak detector  
 Av - Average detection

### LINE 2 RESULTS

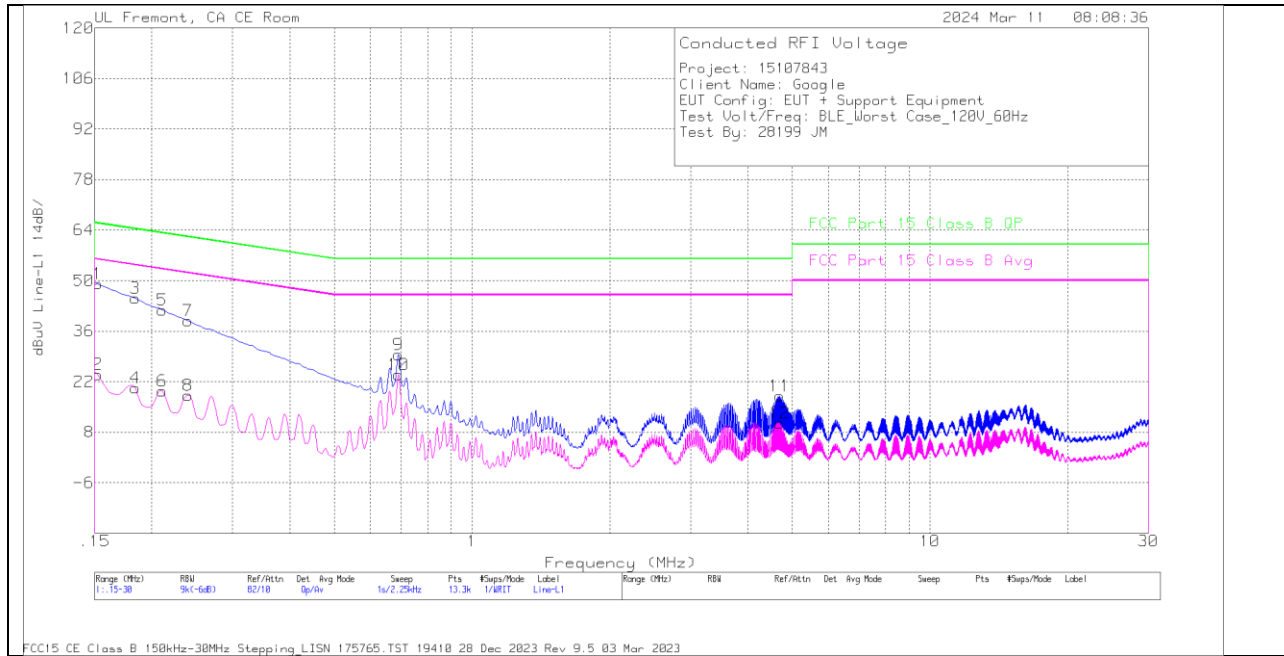


Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15C QP Limit (dBuV)	QP Margin (dB)	FCC Part 15C Avg Limit (dBuV)	Av Margin (dB)
14	.1523	16.09	Av	0	0	9.5	25.59	-	-	55.88	-30.29
16	.177	12.51	Av	0	.1	9.4	22.01	-	-	54.63	-32.62
18	.2108	8.95	Av	0	.1	9.4	18.45	-	-	53.18	-34.73
20	.24	8.01	Av	0	0	9.4	17.41	-	-	52.1	-34.69
22	.69	12.28	Av	0	0	9.3	21.58	-	-	46	-24.42
24	4.6905	1.84	Av	0	.1	9.4	11.34	-	-	46	-34.66
13	.1523	39.89	Qp	0	0	9.5	49.39	65.88	-16.49	-	-
15	.177	36.45	Qp	0	.1	9.4	45.95	64.63	-18.68	-	-
17	.204	33.44	Qp	0	.1	9.4	42.94	63.45	-20.51	-	-
19	.24	30	Qp	0	0	9.4	39.4	62.1	-22.7	-	-
21	.69	18.13	Qp	0	0	9.3	27.43	56	-28.57	-	-
23	4.6905	11.55	Qp	0	.1	9.4	21.05	56	-34.95	-	-

Qp - Quasi-Peak detector  
 Av - Average detection

11.2. BLE TXBF

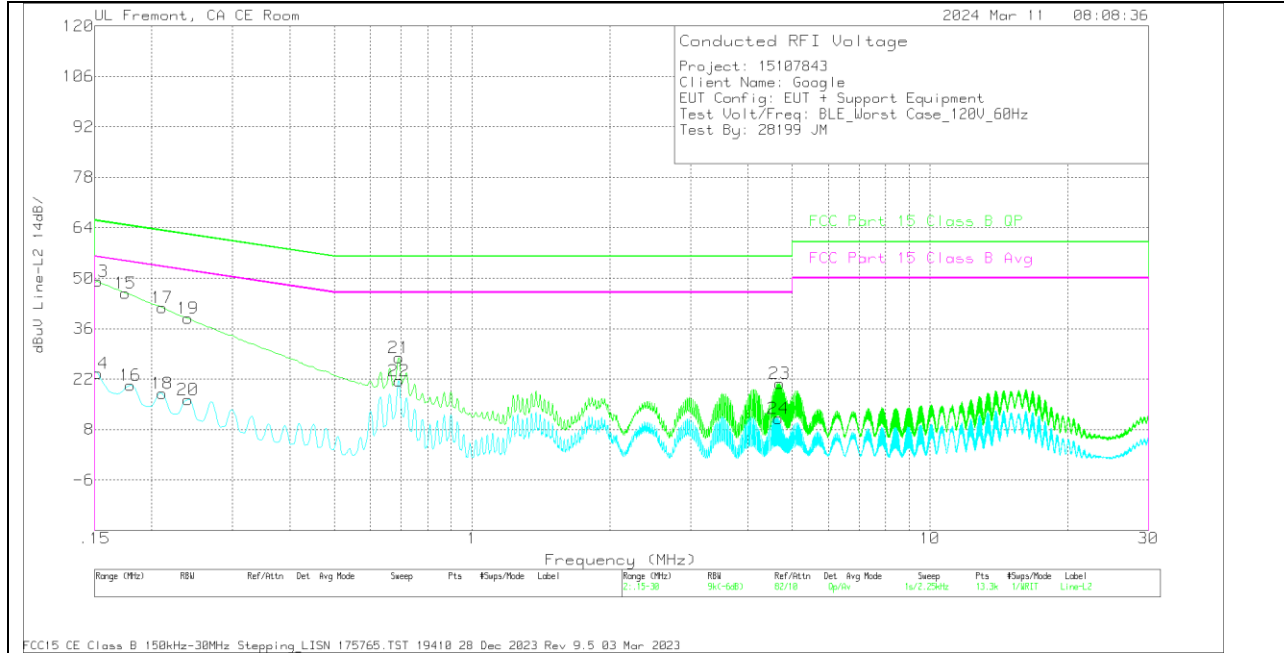
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Tms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15C QP Limit (dBuV)	QP Margin (dB)	FCC Part 15C Avg Limit (dBuV)	Av Margin (dB)
2	.1523	14.51	Av	0	0	9.5	24.01	-	-	55.88	-31.87
4	.1838	10.76	Av	0	.1	9.4	20.26	-	-	54.31	-34.05
6	.2108	9.86	Av	0	.1	9.4	19.36	-	-	53.18	-33.82
8	.24	8.86	Av	0	0	9.4	18.26	-	-	52.1	-33.84
10	.69	14.46	Av	0	.1	9.3	23.86	-	-	46	-22.14
12	4.6905	1.04	Av	0	.1	9.4	10.54	-	-	46	-35.46
1	.1523	39.67	Qp	0	0	9.5	49.17	65.88	-16.71	-	-
3	.1838	35.57	Qp	0	.1	9.4	45.07	64.31	-19.24	-	-
5	.2108	32.38	Qp	0	.1	9.4	41.88	63.18	-21.3	-	-
7	.24	29.44	Qp	0	0	9.4	38.84	62.1	-23.26	-	-
9	.69	20.05	Qp	0	.1	9.3	29.45	56	-26.55	-	-
11	4.6905	8.46	Qp	0	.1	9.4	17.96	56	-38.04	-	-

Qp - Quasi-Peak detector  
 Av - Average detection

### LINE 2 RESULTS



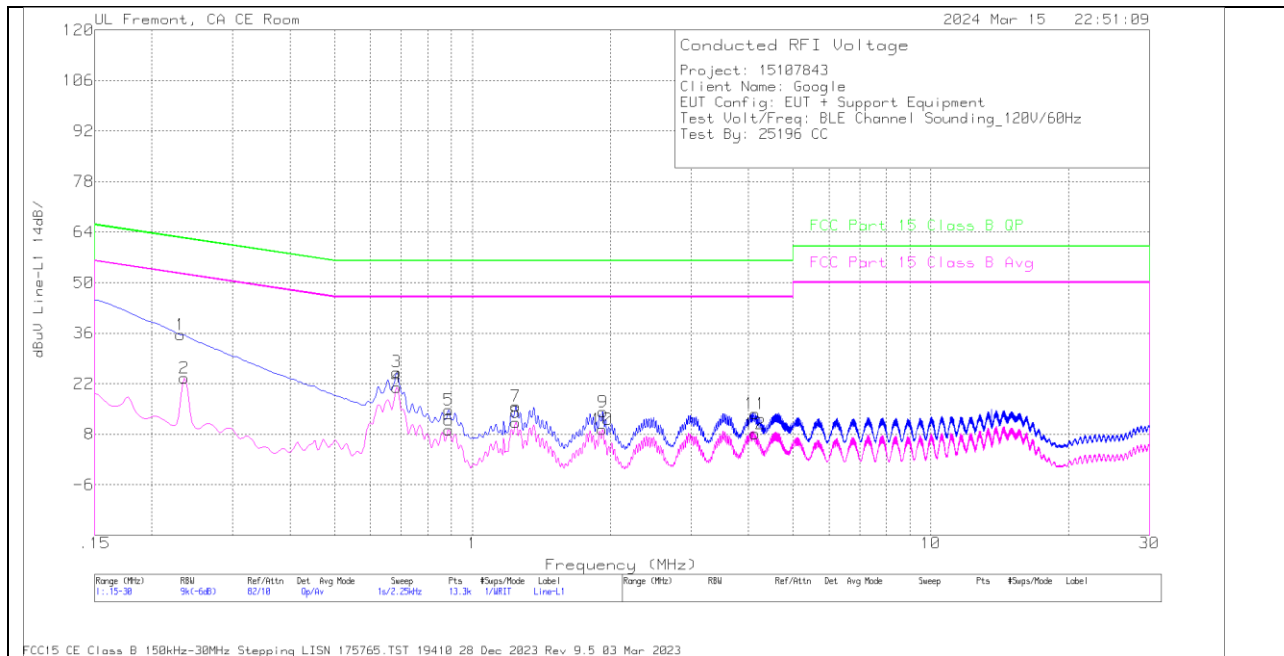
Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15C QP Limit (dBuV)	QP Margin (dB)	FCC Part 15C Avg Limit (dBuV)	Av Margin (dB)
14	.1523	14.05	Av	0	0	9.5	23.55	-	-	55.88	-32.33
16	.1793	10.7	Av	0	.1	9.4	20.2	-	-	54.52	-34.32
18	.2108	8.46	Av	0	.1	9.4	17.96	-	-	53.18	-35.22
20	.24	6.89	Av	0	0	9.4	16.29	-	-	52.1	-35.81
22	.6923	12.22	Av	0	0	9.3	21.52	-	-	46	-24.48
24	4.6613	1.45	Av	0	.2	9.4	11.05	-	-	46	-34.95
13	.1523	39.56	Qp	0	0	9.5	49.06	65.88	-16.82	-	-
15	.1748	36.4	Qp	0	0	9.5	45.9	64.73	-18.83	-	-
17	.2108	32.3	Qp	0	.1	9.4	41.8	63.18	-21.38	-	-
19	.24	29.52	Qp	0	0	9.4	38.92	62.1	-23.18	-	-
21	.6923	18.7	Qp	0	0	9.3	28	56	-28	-	-
23	4.6905	11.37	Qp	0	.1	9.4	20.87	56	-35.13	-	-

Qp - Quasi-Peak detector  
 Av - Average detection

### 11.3. BLE GFSK, MODE 0 (CHANNEL SOUNDING)

#### LINE 1 RESULTS

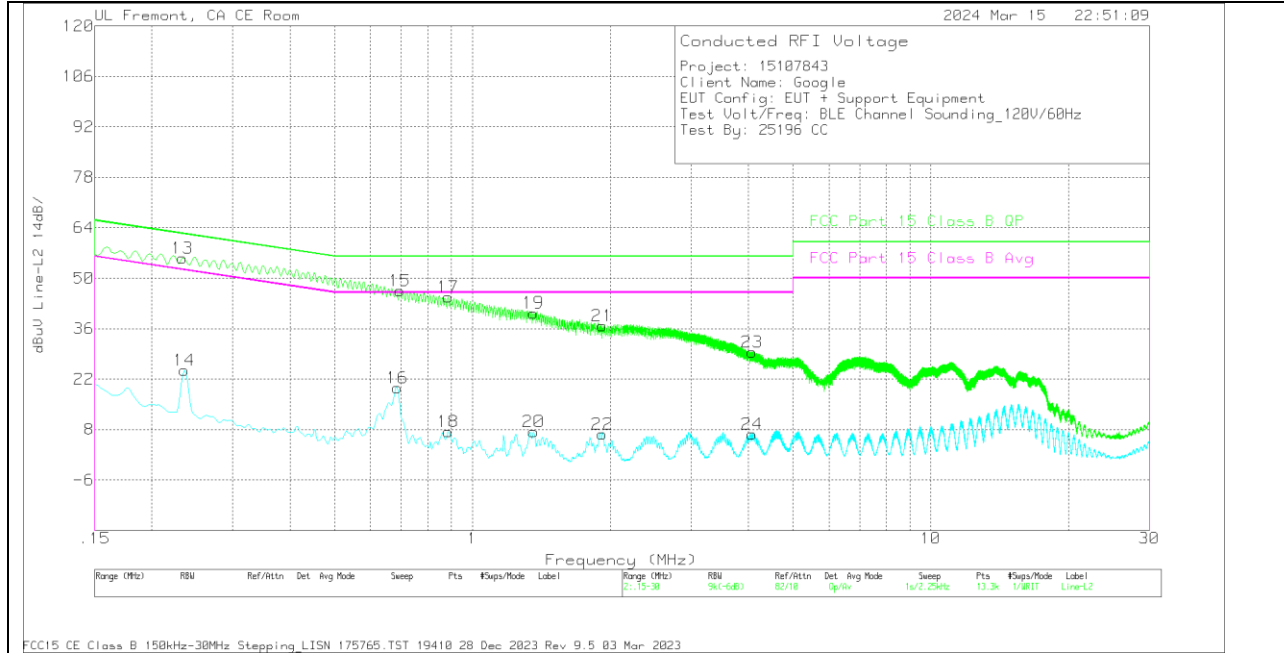


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Tms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15C QP Limit (dBuV)	QP Margin (dB)	FCC Part 15C Avg Limit (dBuV)	Av Margin (dB)
2	.2355	14.1	Av	0	0	9.4	23.5	-	-	52.25	-28.75
4	.6833	11.51	Av	0	.1	9.3	20.91	-	-	46	-25.09
6	.888	-.38	Av	0	.1	9.4	9.12	-	-	46	-36.88
8	1.2435	1.86	Av	0	0	9.4	11.26	-	-	46	-34.74
10	1.923	.01	Av	0	0	9.3	9.31	-	-	46	-36.69
12	4.1438	-1.27	Av	0	.1	9.3	8.13	-	-	46	-37.87
1	.231	26.25	Qp	0	0	9.4	35.65	62.41	-26.76	-	-
3	.6833	15.83	Qp	0	.1	9.3	25.23	56	-30.77	-	-
5	.888	5.15	Qp	0	.1	9.4	14.65	56	-41.35	-	-
7	1.2435	6.39	Qp	0	0	9.4	15.79	56	-40.21	-	-
9	1.9253	4.84	Qp	0	.1	9.3	14.24	56	-41.76	-	-
11	4.1438	4.34	Qp	0	.1	9.3	13.74	56	-42.26	-	-

Qp - Quasi-Peak detector  
Av - Average detection



### LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15C QP Limit (dBuV)	QP Margin (dB)	FCC Part 15C Avg Limit (dBuV)	Av Margin (dB)
14	.2355	15.09	Av	0	0	9.4	24.49	-	-	52.25	-27.76
16	.6855	10.23	Av	0	0	9.3	19.53	-	-	46	-26.47
18	.8858	-2.02	Av	0	0	9.4	7.38	-	-	46	-38.62
20	1.3605	-2.01	Av	0	.1	9.3	7.39	-	-	46	-38.61
22	1.9185	-2.64	Av	0	.1	9.3	6.76	-	-	46	-39.24
24	4.0808	-2.91	Av	0	.2	9.4	6.69	-	-	46	-39.31
13	.2333	46.13	Qp	0	0	9.4	55.53	62.33	-6.8	-	-
15	.6945	37.29	Qp	0	0	9.3	46.59	56	-9.41	-	-
17	.8858	35.35	Qp	0	0	9.4	44.75	56	-11.25	-	-
19	1.3583	30.95	Qp	0	.1	9.3	40.35	56	-15.65	-	-
21	1.9185	27.44	Qp	0	.1	9.3	36.84	56	-19.16	-	-
23	4.0808	19.95	Qp	0	.2	9.4	29.55	56	-26.45	-	-

Qp - Quasi-Peak detector  
 Av - Average detection

## 12. SETUP PHOTOS

Please refer to 15107843-EP1 for test setup description and setup photos

**END OF TEST REPORT**