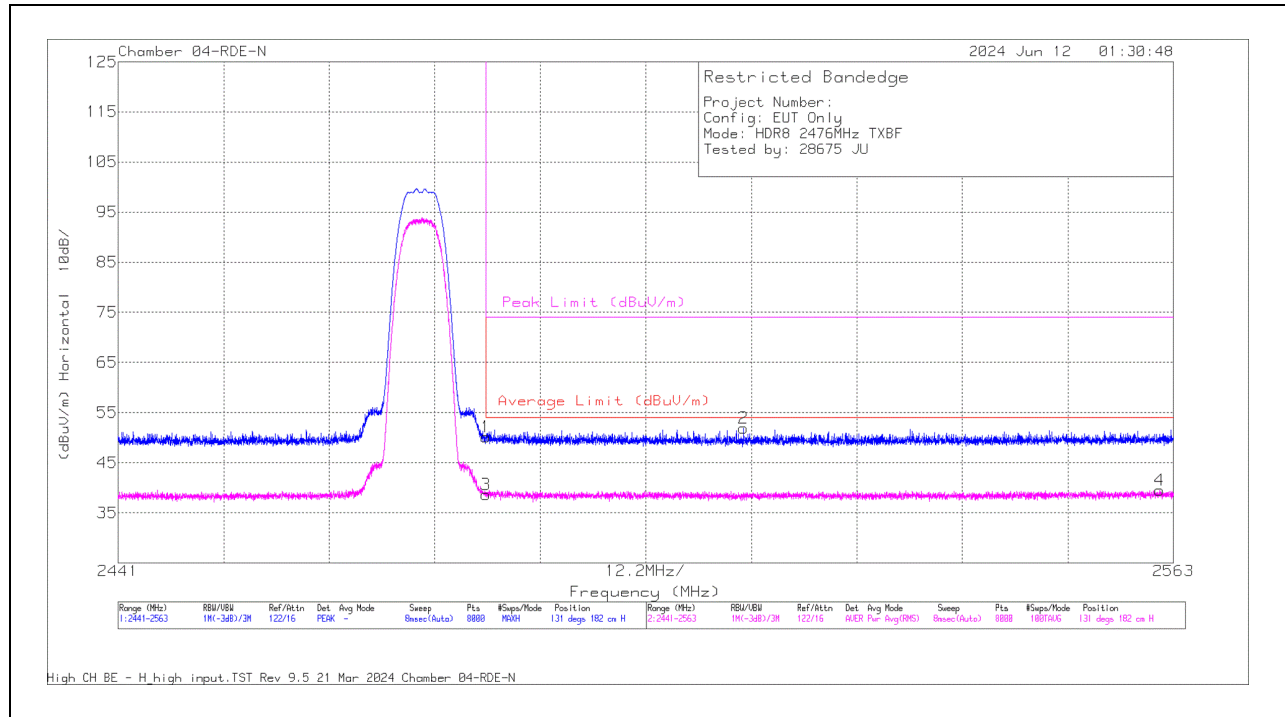


**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



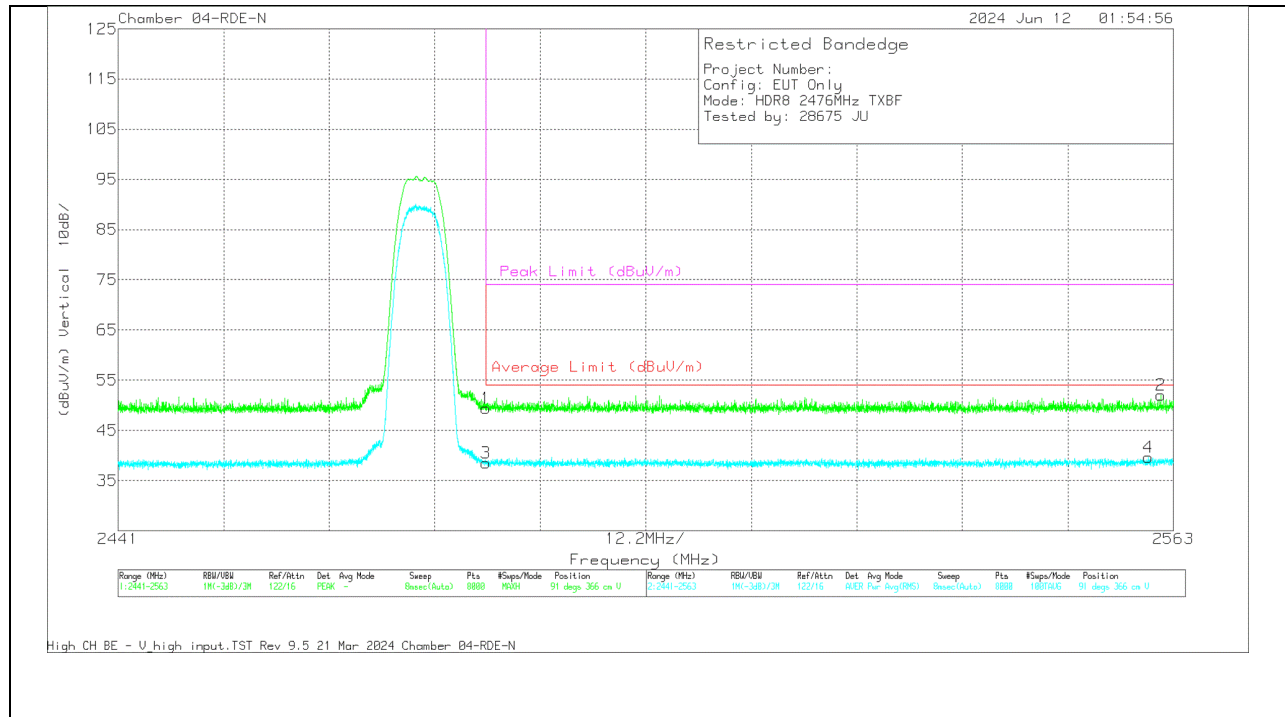
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB/m) 3m	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	44.96	Pk	32.2	-27	50.16	-	-	74	-23.84	131	182	H
3	*2483.5	33.43	RMS	32.2	-27	38.63	54	-15.37	-	-	131	182	H
2	2513.294	46.71	Pk	32.2	-26.96	51.95	-	-	74	-22.05	131	182	H
4	2561.399	34.04	RMS	32.2	-26.75	39.49	54	-14.51	-	-	131	182	H

Pk - Peak detector

RMS - RMS detection

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

### VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB/m) 3m	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	44.21	Pk	32.2	-27	49.41	-	-	74	-24.59	91	366	V
3	*2483.5	33.27	RMS	32.2	-27	38.47	54	-15.53	-	-	91	366	V
4	2560.118	34.22	RMS	32.2	-26.79	39.63	54	-14.37	-	-	91	366	V
2	2561.567	46.57	Pk	32.2	-26.75	52.02	-	-	74	-21.98	91	366	V

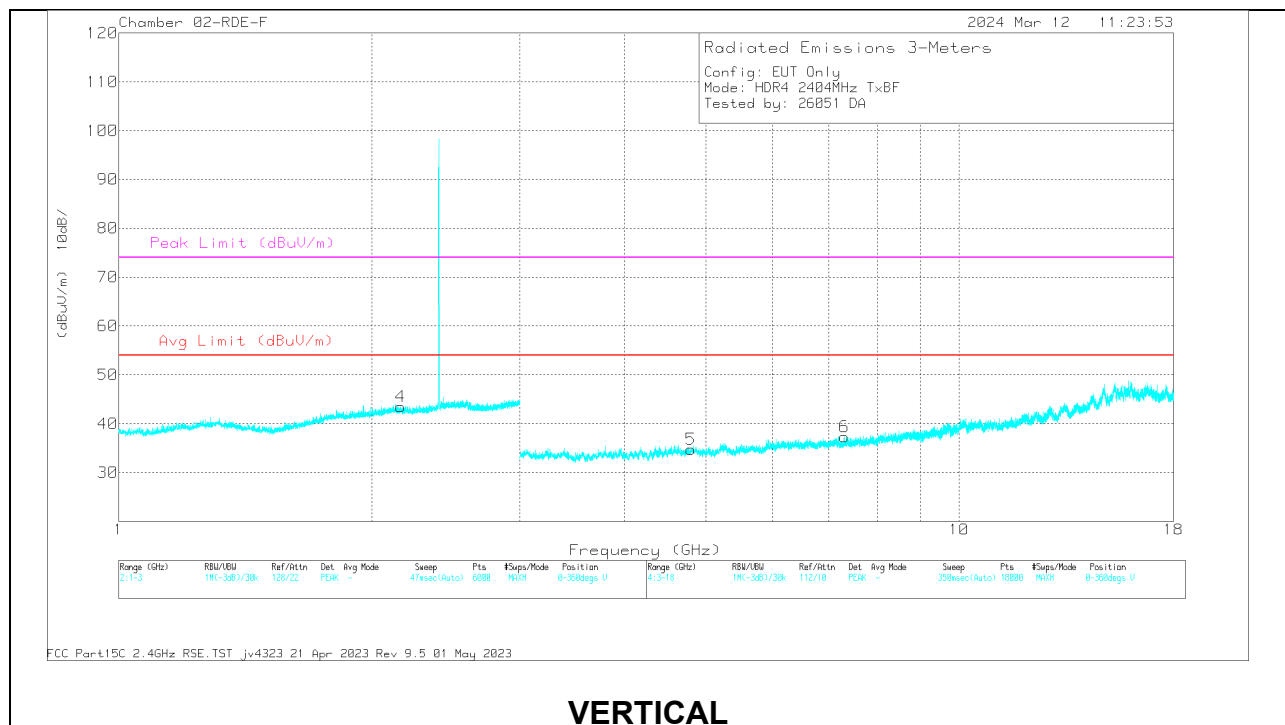
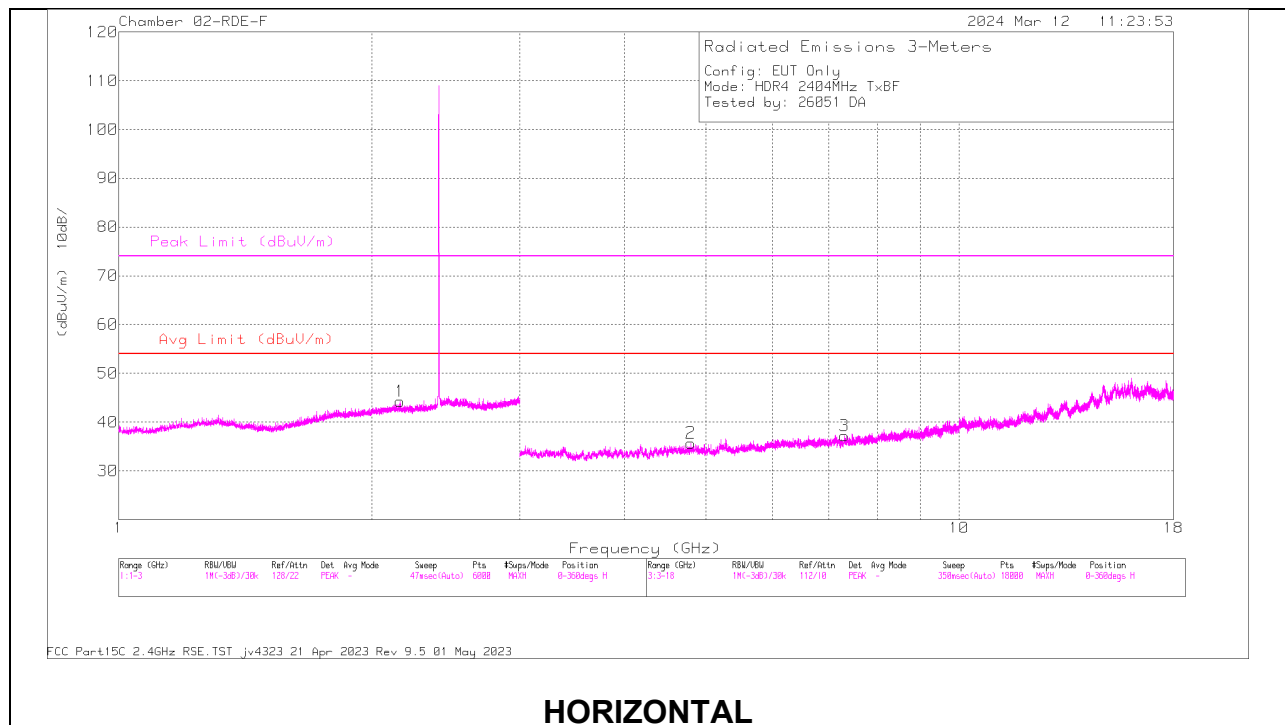
Pk - Peak detector

RMS - RMS detection

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

### 10.2.9. WORST CASE HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL RESULTS



**RADIATED EMISSIONS**

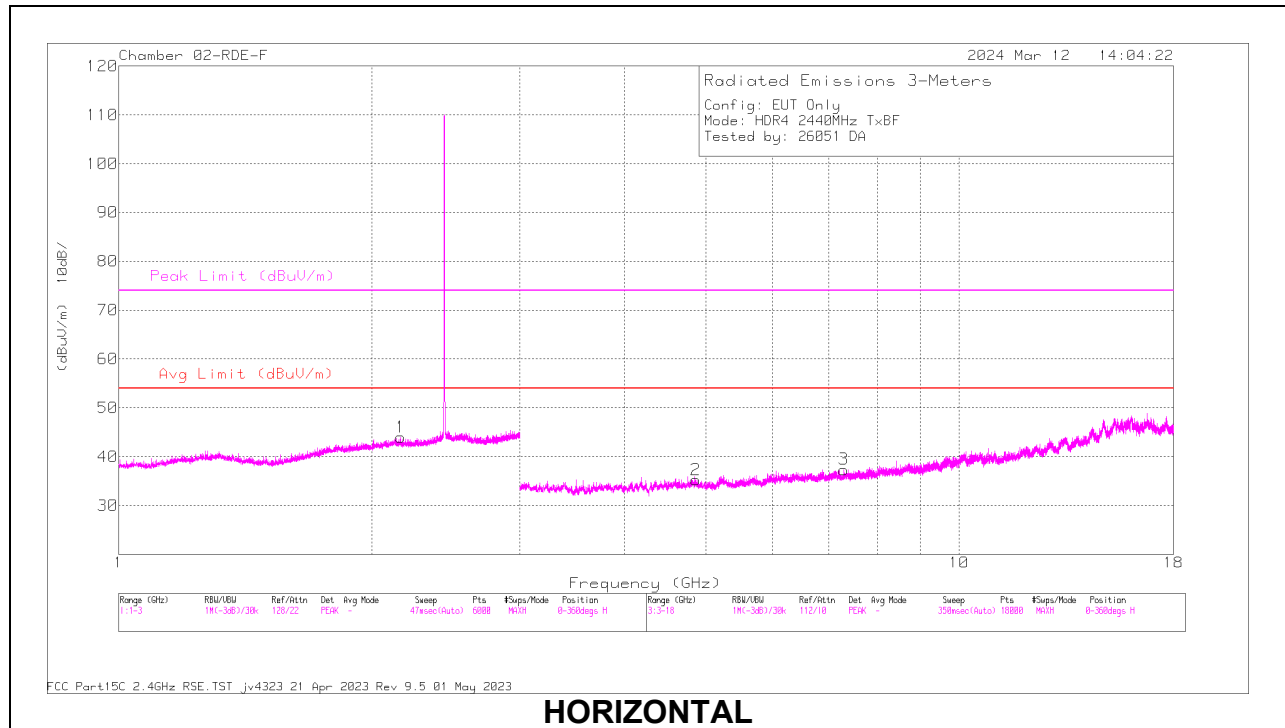
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.796112	56.89	PK2	34	-46.1	44.79	-	-	74	-29.21	360	200	H
2	* 4.794476	45.77	MAv1	34	-46.2	33.57	54	-20.43	-	-	360	200	H
3	* 7.302244	55.63	PK2	35.6	-44.1	47.13	-	-	74	-26.87	360	101	H
3	* 7.30174	43.63	MAv1	35.6	-44	35.23	54	-18.77	-	-	360	101	H
5	* 4.798667	57.16	PK2	34	-46.2	44.96	-	-	74	-29.04	360	101	V
5	* 4.799105	45.9	MAv1	34	-46.2	33.7	54	-20.3	-	-	360	101	V
6	* 7.304983	55.89	PK2	35.6	-44.3	47.19	-	-	74	-26.81	360	101	V
6	* 7.304077	43.65	MAv1	35.6	-44.2	35.05	54	-18.95	-	-	360	101	V
1	2.160868	60.61	PK2	31.6	-38.7	53.51	-	-	-	-	360	200	H
4	2.162131	48.71	MAv1	31.6	-38.7	41.61	-	-	-	-	360	200	V
4	2.162143	60.34	PK2	31.6	-38.7	53.24	-	-	-	-	360	200	V
1	2.164182	48.52	MAv1	31.6	-38.7	41.42	-	-	-	-	360	200	H

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

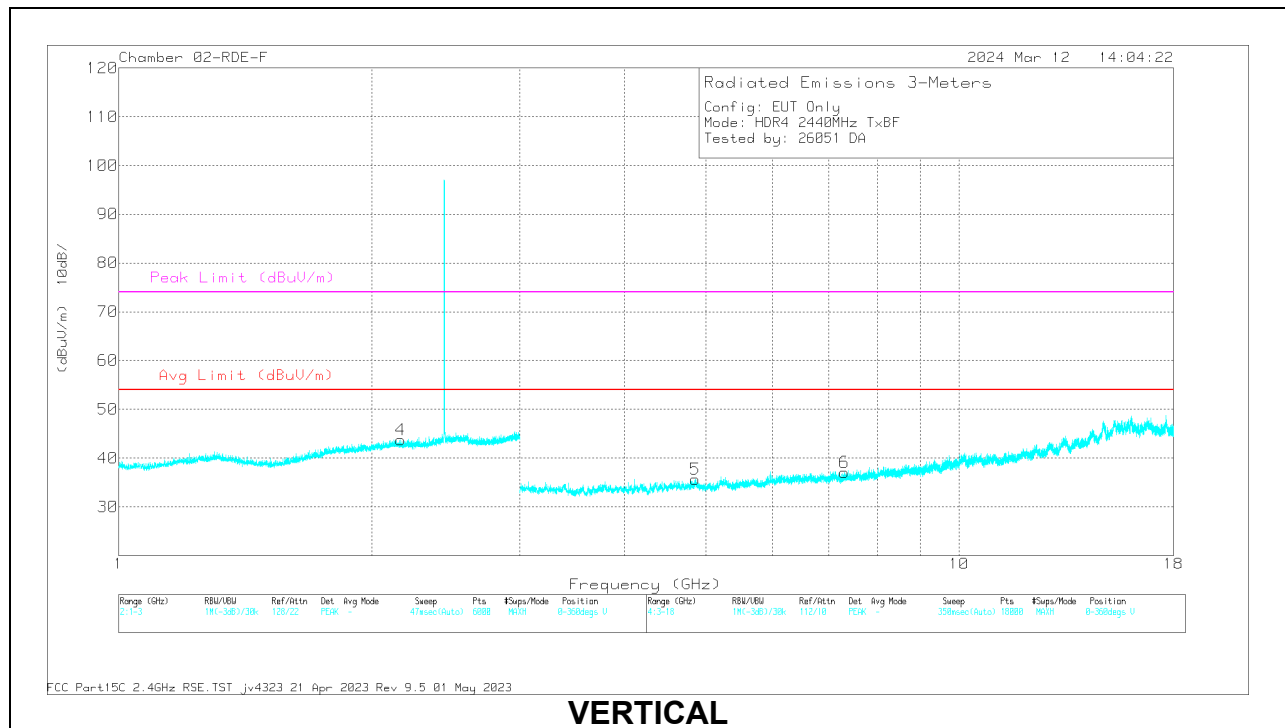
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

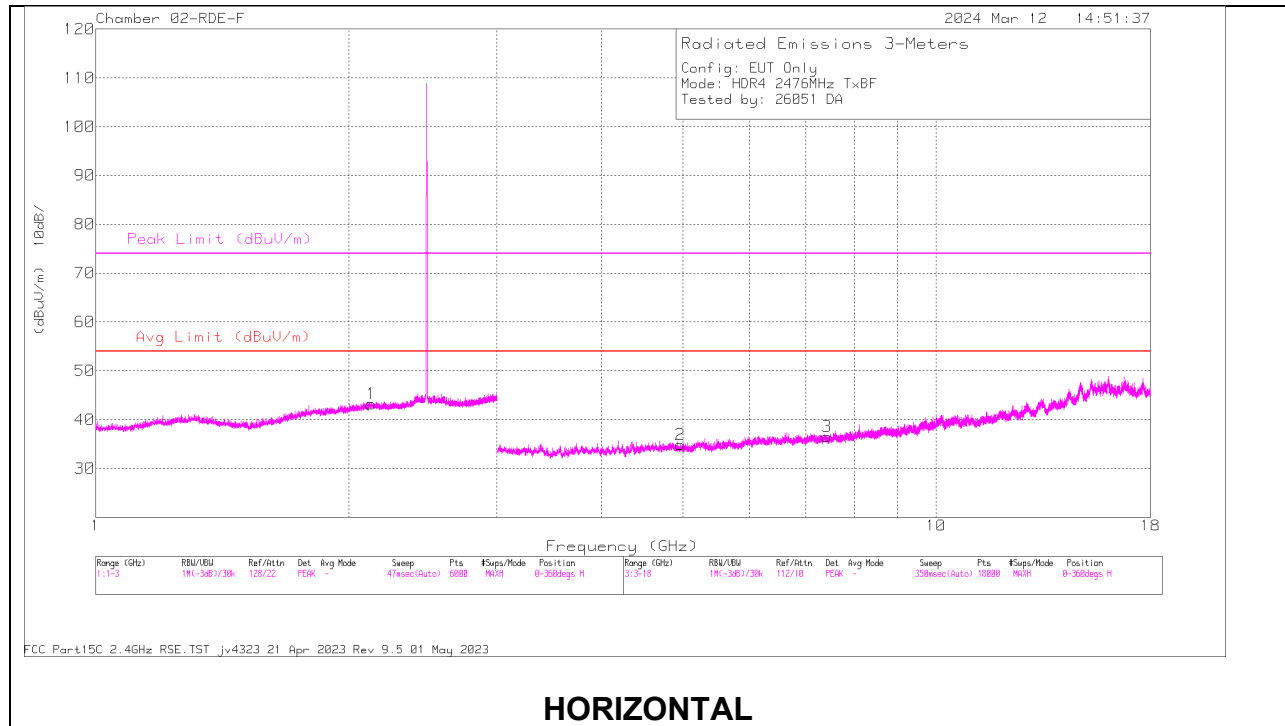
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.861167	57.01	PK2	33.9	-45.9	45.01	-	-	74	-28.99	360	101	H
2	* 4.861363	45.43	MAv1	33.9	-45.9	33.43	54	-20.57	-	-	360	101	H
3	* 7.29632	55.22	PK2	35.6	-44.2	46.62	-	-	74	-27.38	360	101	H
3	* 7.296429	43.75	MAv1	35.6	-44.2	35.15	54	-18.85	-	-	360	101	H
5	* 4.850602	57.43	PK2	34	-46	45.43	-	-	74	-28.57	360	200	V
5	* 4.851032	45.54	MAv1	34	-46	33.54	54	-20.46	-	-	360	200	V
6	* 7.309584	55.31	PK2	35.6	-44.3	46.61	-	-	74	-27.39	360	200	V
6	* 7.31199	43.58	MAv1	35.6	-44.3	34.88	54	-19.12	-	-	360	200	V
4	2.16408	60.83	PK2	31.6	-38.7	53.73	-	-	-	-	360	200	V
4	2.164394	48.63	MAv1	31.6	-38.7	41.53	-	-	-	-	360	200	V
1	2.165749	48.47	MAv1	31.6	-38.7	41.37	-	-	-	-	360	101	H
1	2.167299	60.35	PK2	31.6	-38.8	53.15	-	-	-	-	360	101	H

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

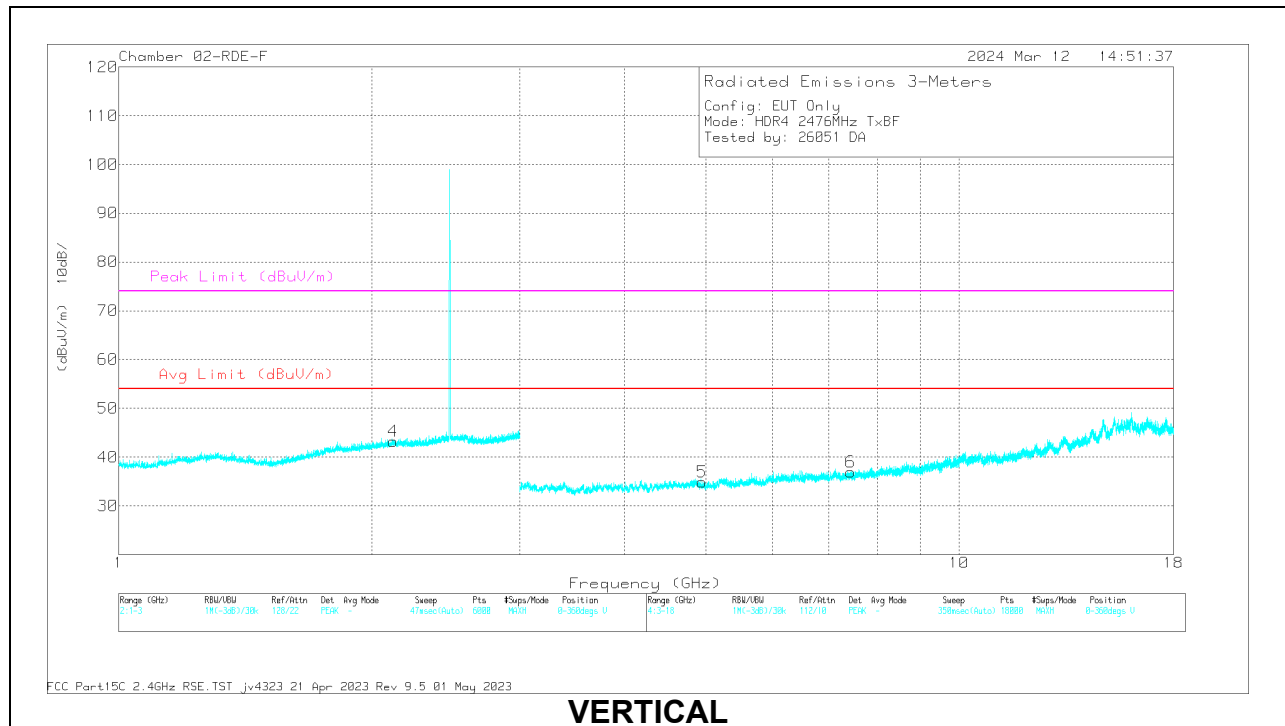
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### HIGH CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.967038	56.84	PK2	33.9	-46	44.74	-	-	74	-29.26	360	200	H
2	* 4.968425	45.28	MAv1	33.9	-46	33.18	54	-20.82	-	-	360	200	H
3	* 7.416295	55.03	PK2	35.6	-44.1	46.53	-	-	74	-27.47	360	200	H
3	* 7.414935	43.46	MAv1	35.6	-44.1	34.96	54	-19.04	-	-	360	200	H
5	* 4.94768	57.18	PK2	33.9	-45.7	45.38	-	-	74	-28.62	360	200	V
5	* 4.948713	44.92	MAv1	33.9	-45.8	33.02	54	-20.98	-	-	360	200	V
6	* 7.42789	55.13	PK2	35.6	-44.3	46.43	-	-	74	-27.57	360	200	V
6	* 7.431218	43.77	MAv1	35.6	-44.3	35.07	54	-18.93	-	-	360	200	V
4	2.12219	60.98	PK2	31.6	-38.7	53.88	-	-	-	-	360	101	V
4	2.124232	48.73	MAv1	31.6	-38.7	41.63	-	-	-	-	360	101	V
1	2.125989	60.4	PK2	31.6	-38.7	53.3	-	-	-	-	360	101	H
1	2.128628	48.71	MAv1	31.6	-38.7	41.61	-	-	-	-	360	101	H

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

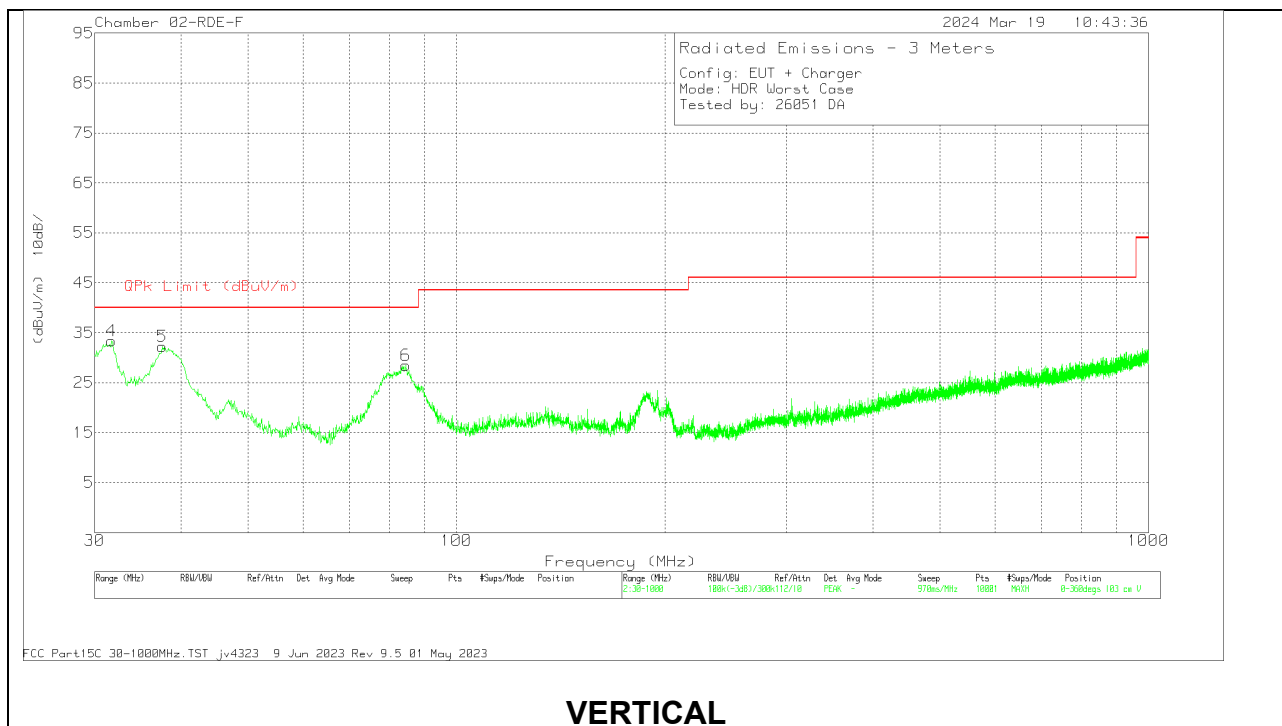
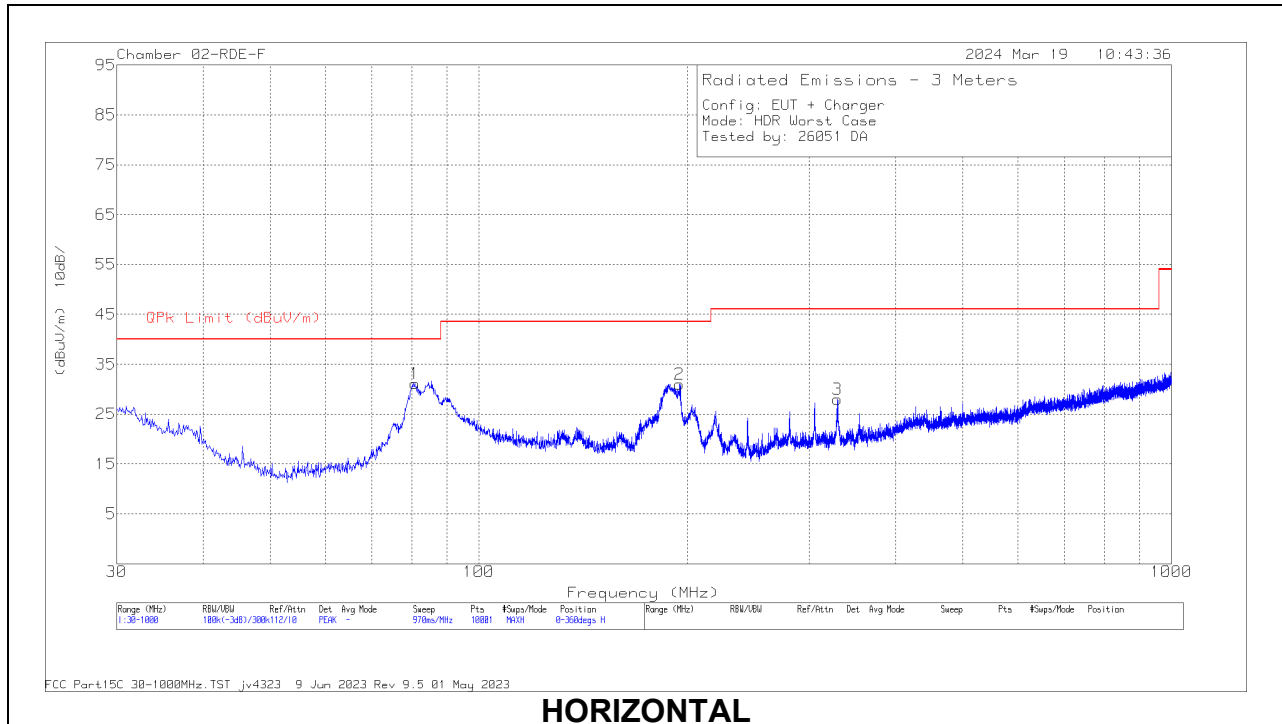
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average



### 10.3. WORST CASE BELOW 1 GHz

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



**Below 1GHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	230634 ACF (dB/m) 10m H	CBL/AMP (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 329.633	38.13	Pk	19.6	-29.8	27.93	46.02	-18.09	0-360	103	H
5	* 37.566	42.8	Pk	21.2	-31.8	32.2	40	-7.8	0-360	103	V
	37.653	41.56	Qp	20.2	-31.8	29.96	40	-10.04	161	102	V
4	31.746	39.47	Pk	25.6	-31.7	33.37	40	-6.63	0-360	103	V
	31.6278	35.82	Qp	25.7	-31.7	29.82	40	-10.18	242	107	V
1	80.828	49	Pk	13.3	-31.2	31.1	40	-8.9	0-360	199	H
6	84.514	46.34	Pk	13.2	-31.1	28.44	40	-11.56	0-360	199	V
2	194.706	43.73	Pk	17.6	-30.3	31.03	43.52	-12.49	0-360	103	H

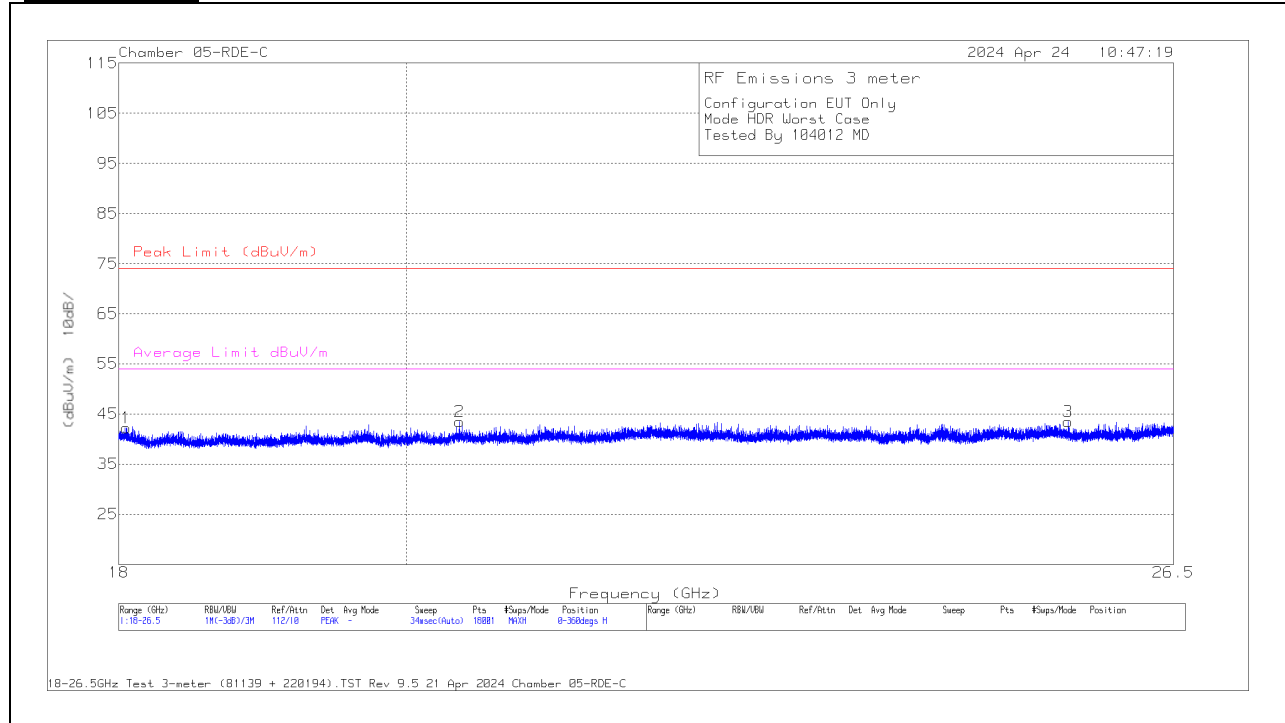
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

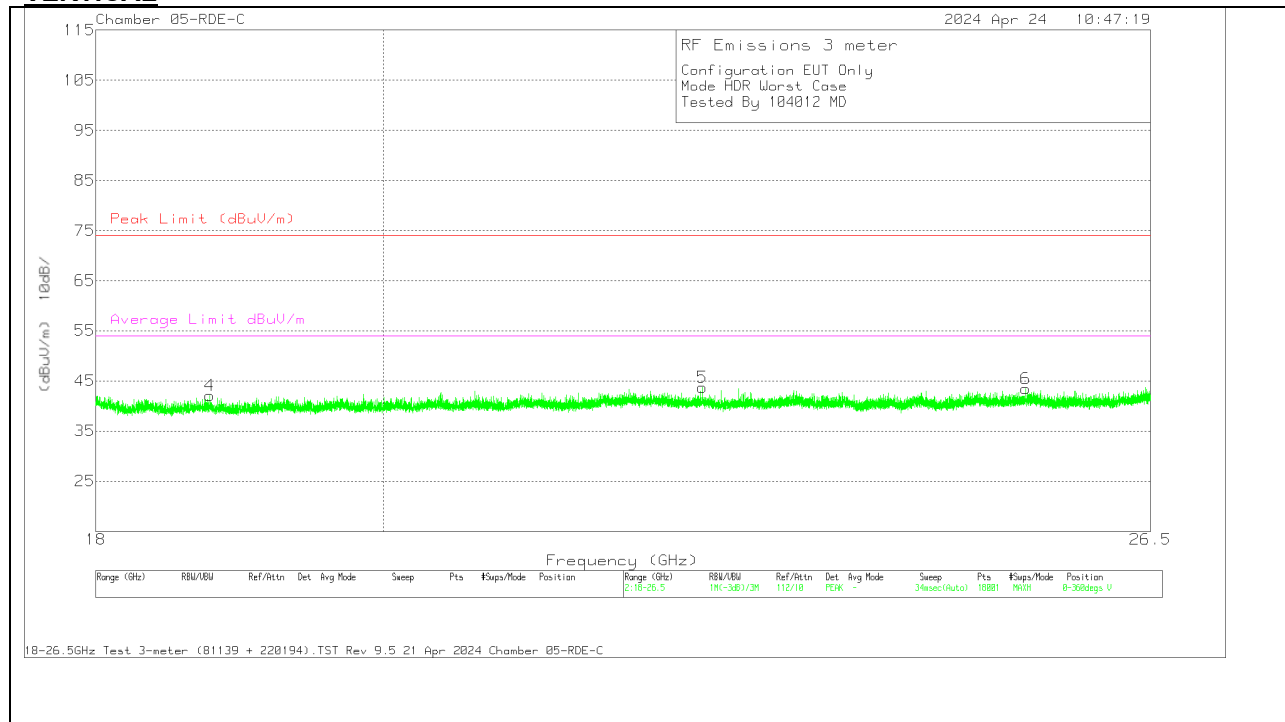
Qp - Quasi-Peak detector

### 10.4. WORST CASE 18-26 GHz

#### HORIZONTAL



#### VERTICAL



**18 – 26GHz DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81199 ACF (dB/m)	Amp/Cbl (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	18.049111	58.76	Pk	32.6	-61.6	12.5	42.26	74	-31.74	54	-11.74	0-360	101	H
4	18.769722	58.85	Pk	32.5	-62	12.7	42.05	74	-31.95	54	-11.95	0-360	101	V
2	20.398416	57.01	Pk	33.4	-60	13.1	43.51	74	-30.49	54	-10.49	0-360	200	H
5	22.483748	57.6	Pk	33.6	-61.5	14	43.7	74	-30.3	54	-10.3	0-360	101	V
6	25.314719	55.89	Pk	34.3	-61.5	14.8	43.49	74	-30.51	54	-10.51	0-360	101	V
3	25.497469	55.85	Pk	34.3	-61.5	14.8	43.45	74	-30.55	54	-10.55	0-360	200	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 $\mu$ 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.

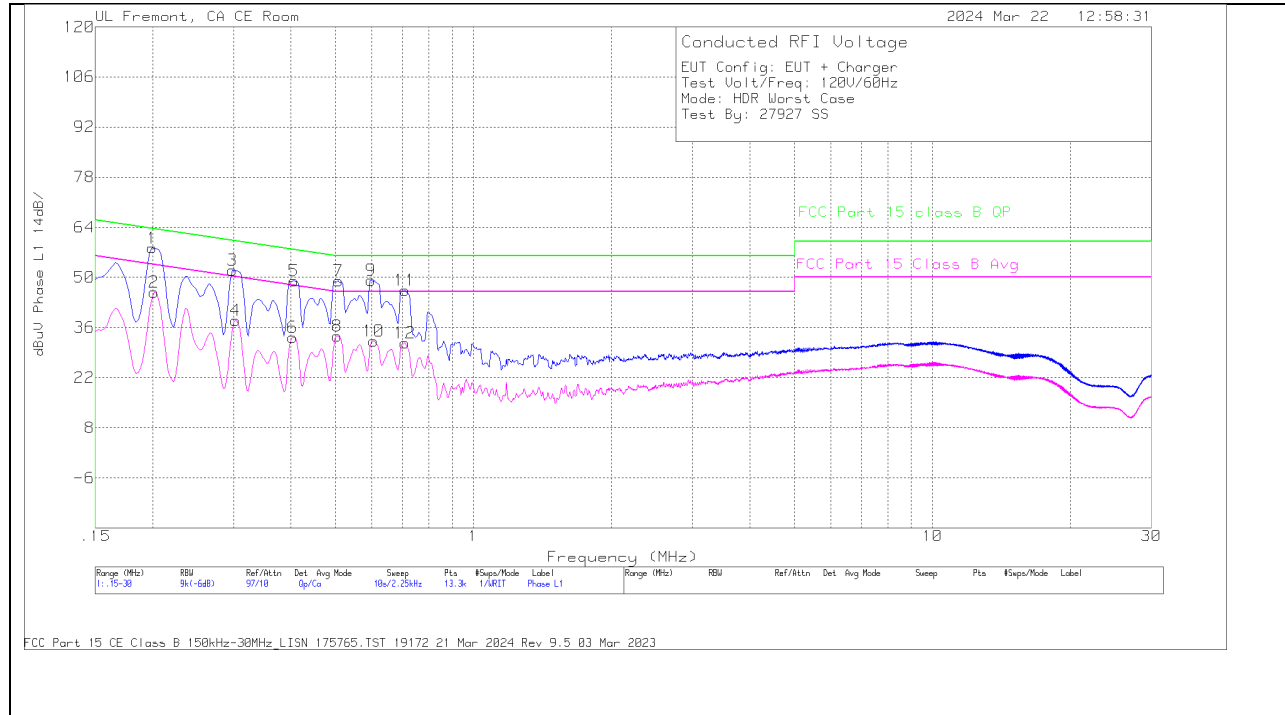
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

# 11.1. AC Power Line With AC/DC Adapter

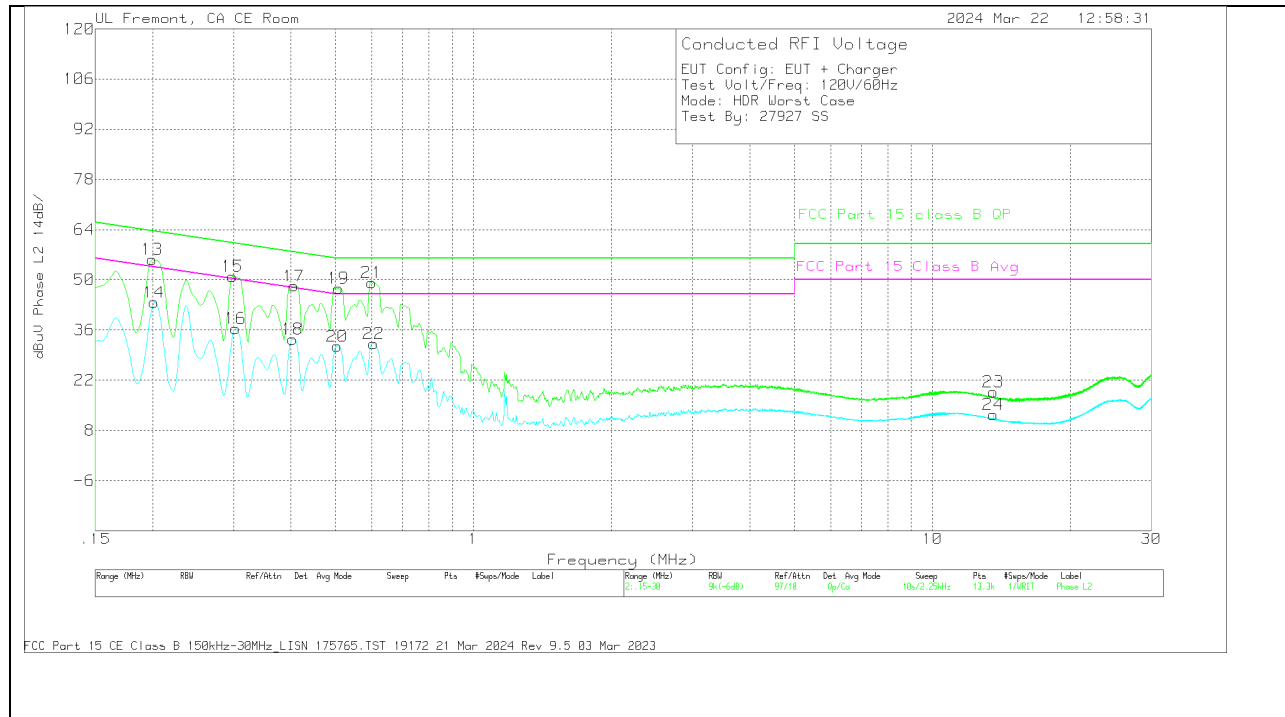
## LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Tms Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
2	.2018	26.39	Ca	.1	0	9.4	10	45.89	53.54	-7.65	-	-
4	.303	18.45	Ca	.1	0	9.4	10	37.95	50.16	-12.21	-	-
6	.4043	13.91	Ca	0	0	9.4	10	33.31	47.77	-14.46	-	-
8	.5055	14.33	Ca	0	0	9.3	10	33.63	46	-12.37	-	-
10	.6068	12.76	Ca	0	0	9.4	10	32.16	46	-13.84	-	-
12	.7103	12.22	Ca	.1	0	9.3	10	31.62	46	-14.38	-	-
1	.1995	38.63	Qp	.1	.1	9.4	10	58.23	-	-	63.63	-5.4
3	.2985	32.56	Qp	.1	0	9.4	10	52.06	-	-	60.28	-8.22
5	.4065	29.64	Qp	0	0	9.4	10	49.04	-	-	57.72	-8.68
7	.5078	29.69	Qp	0	0	9.3	10	48.99	-	-	56	-7.01
9	.5978	29.77	Qp	0	0	9.4	10	49.17	-	-	56	-6.83
11	.7103	26.97	Qp	.1	0	9.3	10	46.37	-	-	56	-9.63

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

### LINE 2 RESULTS

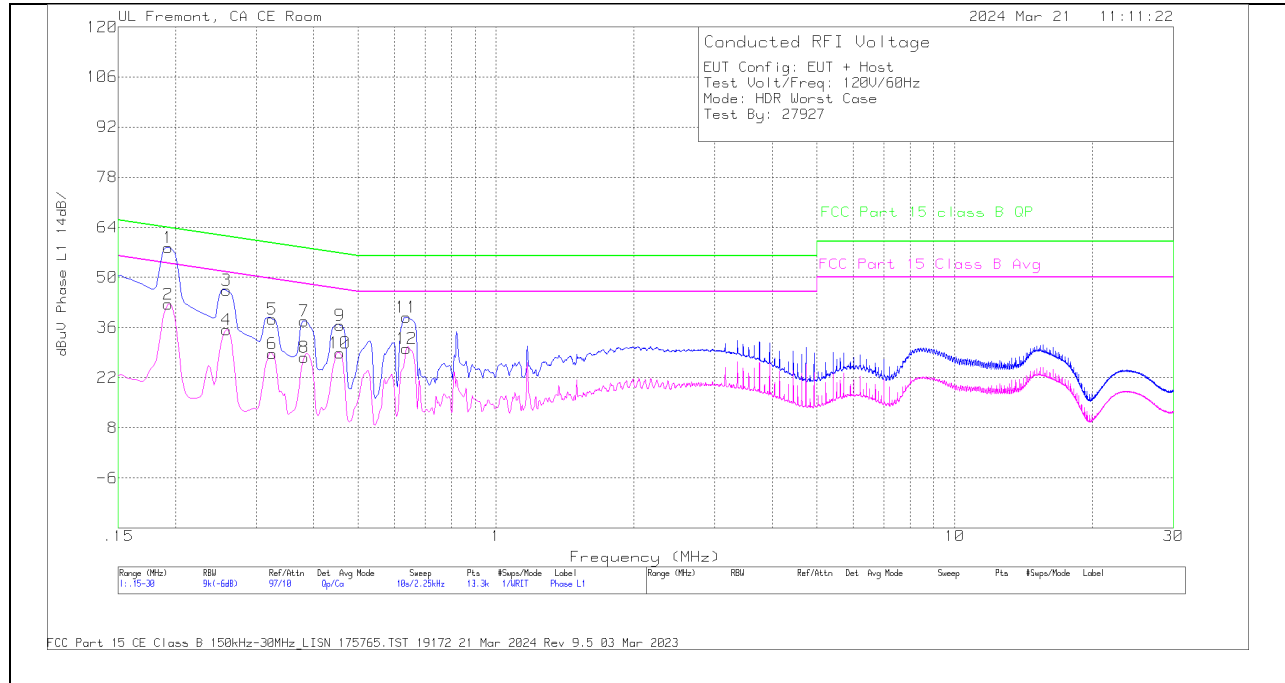


Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
14	.2018	24.2	Ca	.1	0	9.4	10	43.7	53.54	-9.84	-	-
16	.303	16.95	Ca	.1	0	9.4	10	36.45	50.16	-13.71	-	-
18	.4043	13.99	Ca	.1	0	9.4	10	33.49	47.77	-14.28	-	-
20	.5055	12.13	Ca	0	0	9.3	10	31.43	46	-14.57	-	-
22	.6068	12.78	Ca	.1	0	9.4	10	32.28	46	-13.72	-	-
24	13.56	-7.32	Ca	.2	.1	9.5	10	12.48	50	-37.52	-	-
13	.1995	36.21	Qp	.1	0	9.4	10	55.71	-	-	63.63	-7.92
15	.2985	31.48	Qp	.1	0	9.4	10	50.98	-	-	60.28	-9.3
17	.4065	28.76	Qp	.1	0	9.4	10	48.26	-	-	57.72	-9.46
19	.5078	28.34	Qp	0	0	9.3	10	47.64	-	-	56	-8.36
21	.6	29.66	Qp	.1	0	9.4	10	49.16	-	-	56	-6.84
23	13.56	-1.09	Qp	.2	.1	9.5	10	18.71	-	-	60	-41.29

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

## 11.2. AC Power Line with Laptop

### LINE 1 RESULTS

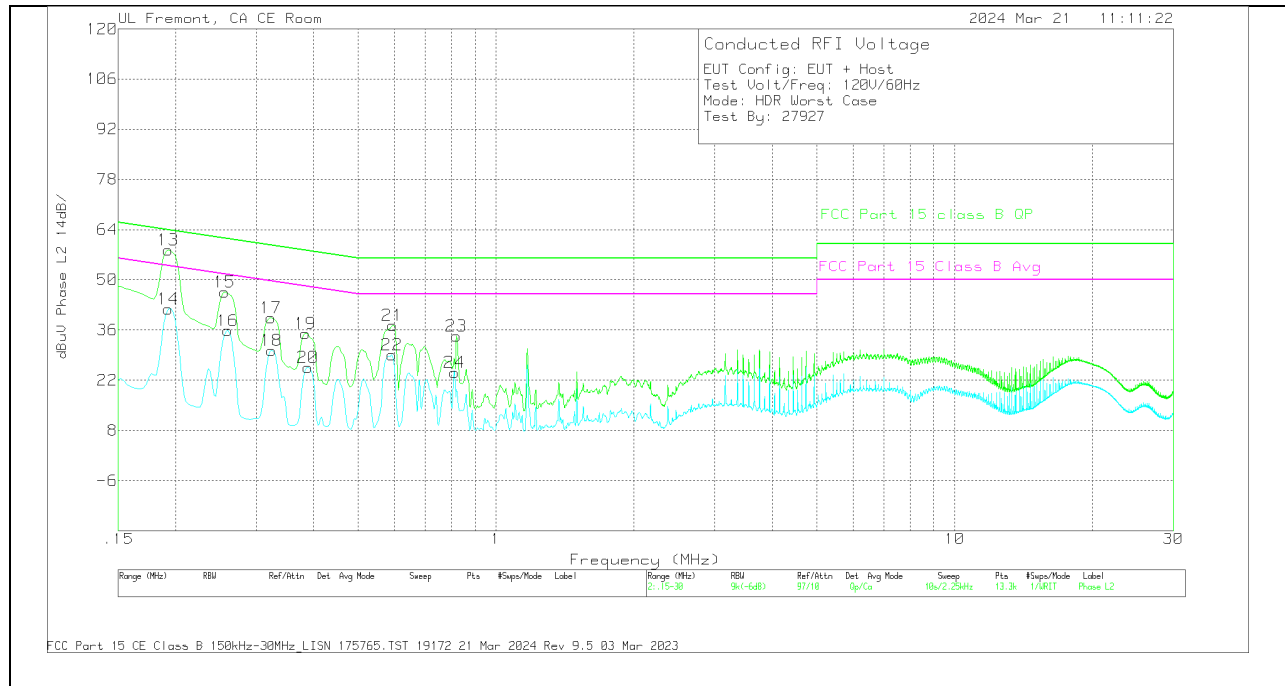


Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
2	.1928	22.88	Ca	.1	.1	9.4	10	42.48	53.92	-11.44	-	-
4	.258	16	Ca	0	0	9.4	10	35.4	51.5	-16.1	-	-
6	.3255	9.32	Ca	0	0	9.4	10	28.72	49.57	-20.85	-	-
8	.3818	8.29	Ca	0	0	9.4	10	27.69	48.24	-20.55	-	-
10	.456	9.45	Ca	.1	0	9.3	10	28.85	46.77	-17.92	-	-
12	.6383	10.6	Ca	.1	0	9.4	10	30.1	46	-15.9	-	-
1	.1928	38.73	Qp	.1	.1	9.4	10	58.33	-	-	63.92	-5.59
3	.258	27.02	Qp	0	0	9.4	10	46.42	-	-	61.5	-15.08
5	.3255	18.96	Qp	0	0	9.4	10	38.36	-	-	59.57	-21.21
7	.3818	18.38	Qp	0	0	9.4	10	37.78	-	-	58.24	-20.46
9	.456	17.26	Qp	.1	0	9.3	10	36.66	-	-	56.77	-20.11
11	.6371	19.32	Qp	.1	0	9.4	10	38.82	-	-	56	-17.18

Qp - Quasi-Peak detector  
 Ca - CISPR average detection



### LINE 2 RESULTS



Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
14	.1928	22.38	Ca	.1	0	9.4	10	41.88	53.92	-12.04	-	-
16	.2603	16.42	Ca	0	0	9.4	10	35.82	51.42	-15.6	-	-
18	.3244	10.84	Ca	.1	0	9.4	10	30.34	49.59	-19.25	-	-
20	.3885	6.01	Ca	.1	0	9.4	10	25.51	48.1	-22.59	-	-
22	.5933	9.56	Ca	.1	0	9.4	10	29.06	46	-16.94	-	-
24	.8115	4.8	Ca	0	0	9.3	10	24.1	46	-21.9	-	-
13	.1928	38.77	Qp	.1	0	9.4	10	58.27	-	-	63.92	-5.65
15	.2558	27.17	Qp	0	0	9.4	10	46.57	-	-	61.57	-15
17	.3233	19.89	Qp	.1	0	9.4	10	39.39	-	-	59.62	-20.23
19	.384	15.51	Qp	.1	0	9.4	10	35.01	-	-	58.19	-23.18
21	.5955	17.76	Qp	.1	0	9.4	10	37.26	-	-	56	-18.74
23	.8205	14.96	Qp	0	0	9.3	10	34.26	-	-	56	-21.74

Qp - Quasi-Peak detector  
Ca - CISPR average detection

## 12. SETUP PHOTOS

Please refer to setup photos 14982436-EP1V1

**END OF TEST REPORT**