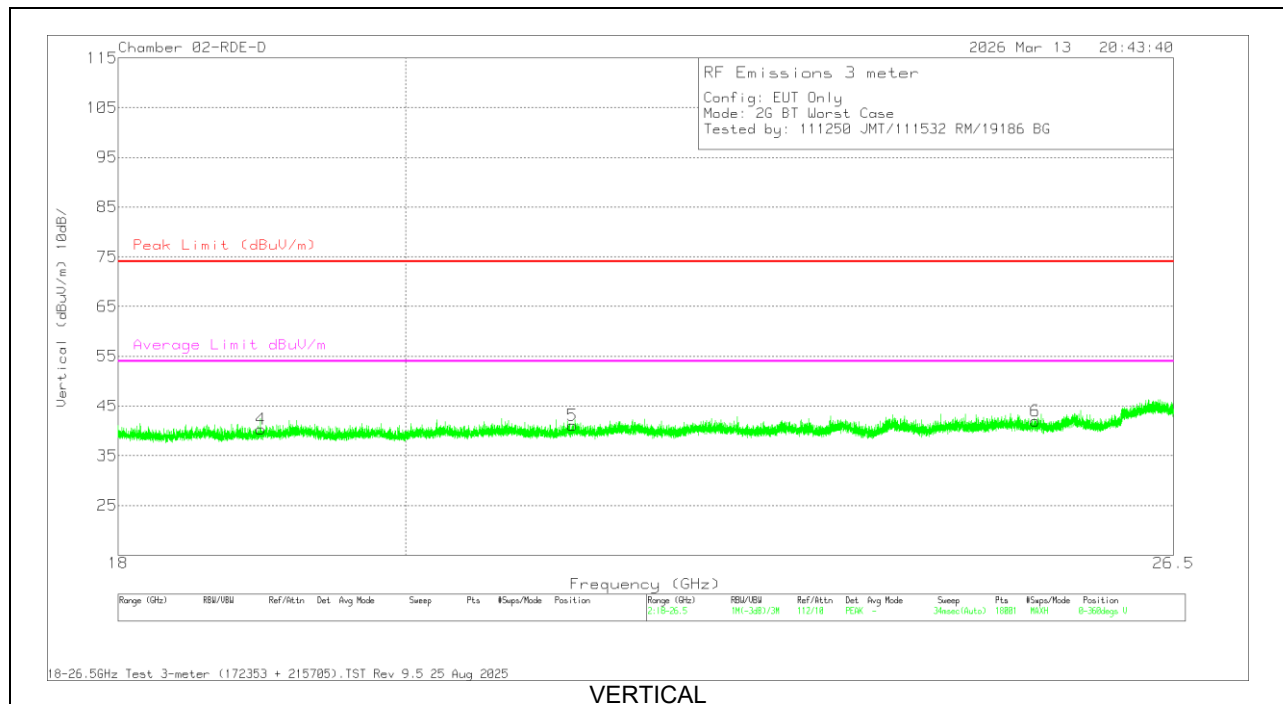
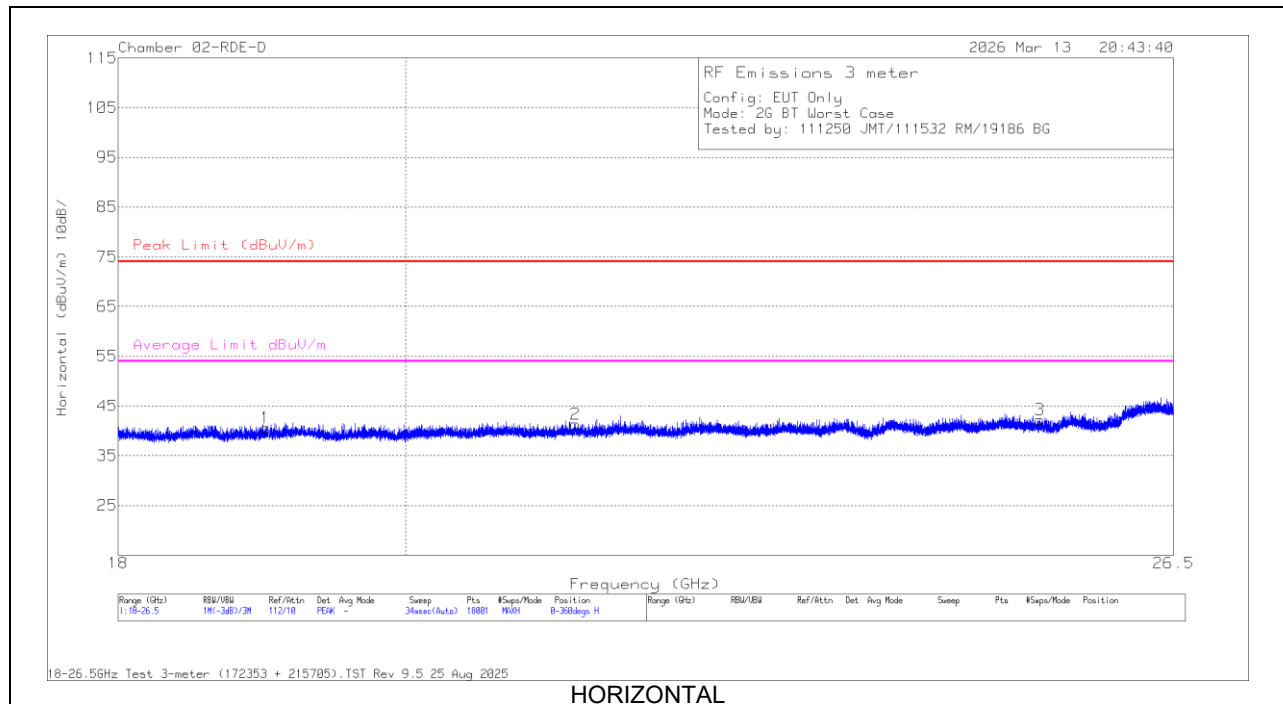


9.3. 18 GHz - 26 GHz – WORST-CASE

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172353 ACF (dB/m)	AMP (dB)	Cable (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 18.963773	37.53	VA1T	32.4	-60.7	17.9	27.13	-	-	54	-26.87	360	101	V
	* 18.964952	50.6	PKFH	32.4	-60.7	17.9	40.2	74	-33.8	-	-	360	101	V
1	* 18.9951	37.49	VA1T	32.4	-60.6	17.9	27.19	-	-	54	-26.81	360	200	H
	* 18.996586	51.59	PKFH	32.4	-60.6	17.9	41.29	74	-32.71	-	-	360	200	H
5	* 21.260011	49.18	PKFH	32.7	-59.8	18.9	40.98	74	-33.02	-	-	360	101	V
	* 21.260715	36.02	VA1T	32.7	-59.8	18.9	27.82	-	-	54	-26.18	360	101	V
2	* 21.284618	36.2	VA1T	32.7	-59.9	18.9	27.9	-	-	54	-26.1	360	200	H
	* 21.28723	50.2	PKFH	32.7	-59.9	18.9	41.9	74	-32.1	-	-	360	200	H
6	25.188386	35.6	VA1T	33.7	-60.8	20.6	29.1	-	-	-	-	360	200	V
	25.193412	49.22	PKFH	33.7	-60.8	20.6	42.72	-	-	-	-	360	200	V
3	25.233031	35.64	VA1T	33.7	-60.9	20.6	29.04	-	-	-	-	360	101	H
	25.238486	49.33	PKFH	33.7	-61	20.6	42.63	-	-	-	-	360	101	H

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

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

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

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

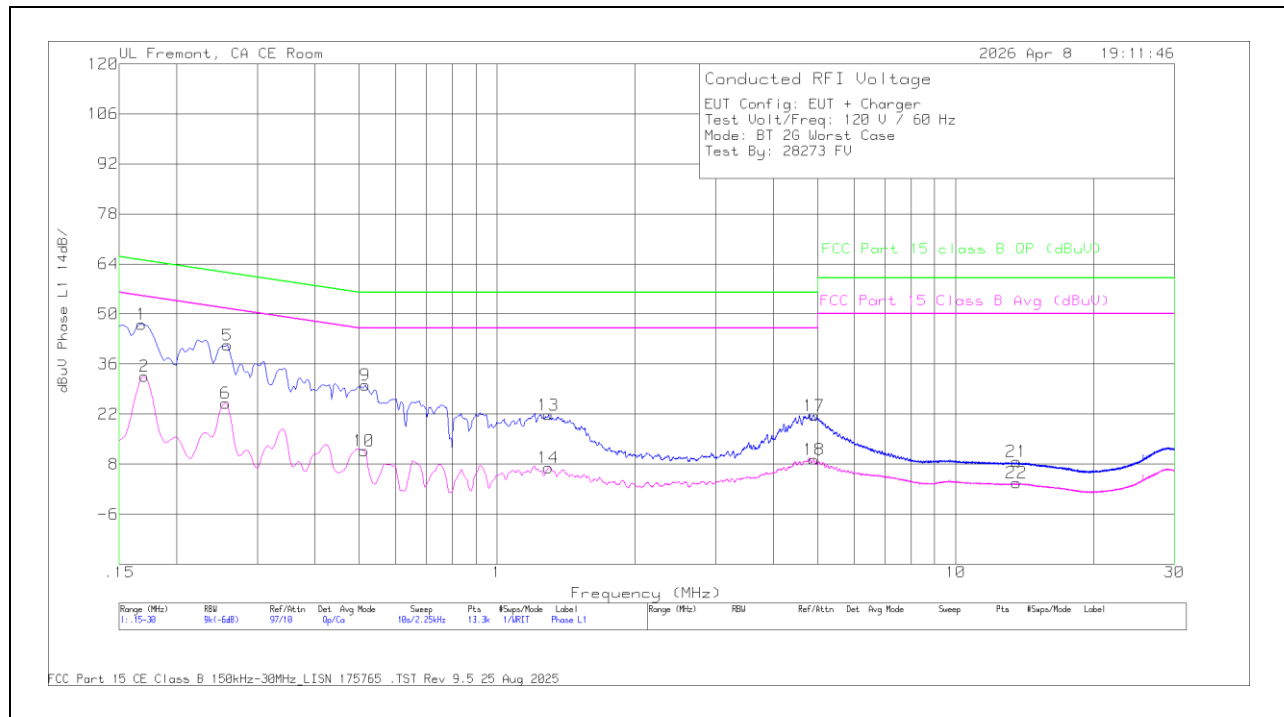
TEST PROCEDURE

ANSI C63.10 Section 6.2

RESULTS

10.1. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

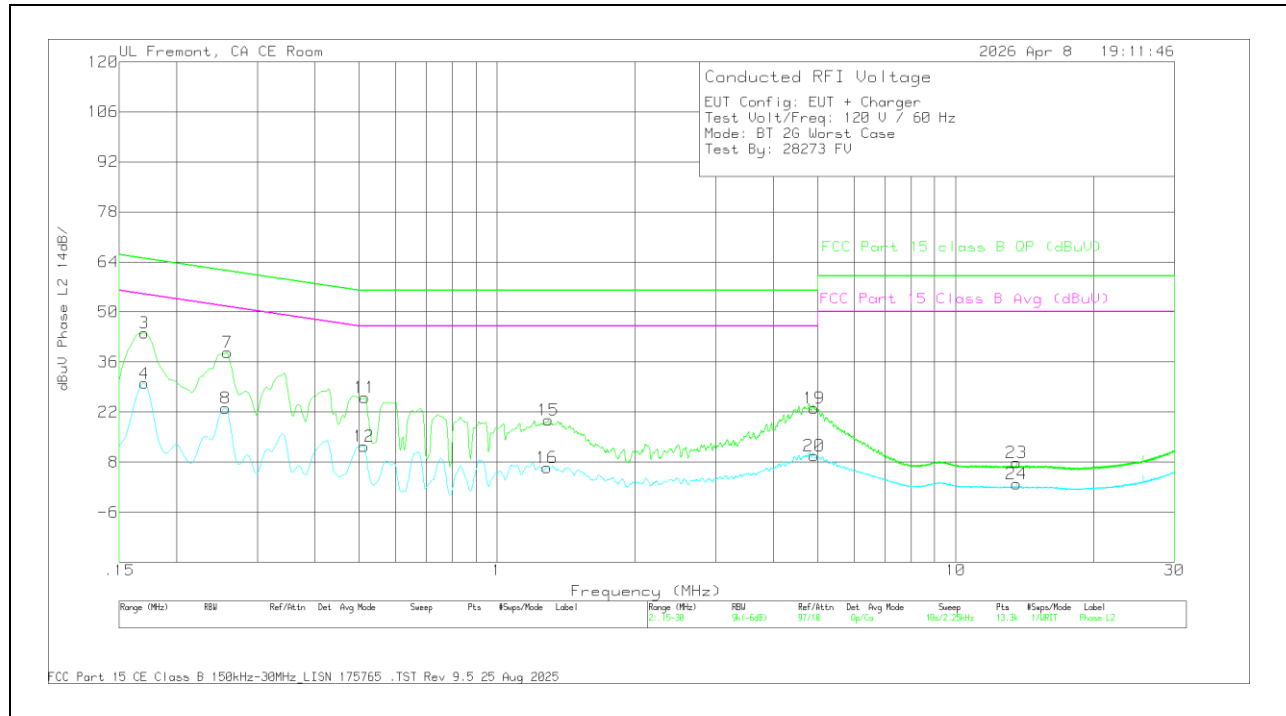


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.1703	22.4	Ca	0	.1	10	32.5	54.95	-22.45	-	-
6	.2558	15.06	Ca	0	0	10	25.06	51.57	-26.51	-	-
10	.5123	1.75	Ca	0	0	10	11.75	46	-34.25	-	-
14	1.2953	-3.1	Ca	.1	0	10	7	46	-39	-	-
18	4.9088	-8.7	Ca	.2	0	10	9.33	46	-36.67	-	-
22	13.5623	-7.47	Ca	.2	.1	10	2.83	50	-47.17	-	-
1	.168	37.07	Qp	0	.1	10	47.17	-	-	65.06	-17.89
5	.258	31.24	Qp	0	0	10	41.24	-	-	61.5	-20.26
9	.5168	20.05	Qp	0	0	10	30.05	-	-	56	-25.95
13	1.2953	11.68	Qp	.1	0	10	21.78	-	-	56	-34.22
17	4.911	11.41	Qp	.2	0	10	21.61	-	-	56	-34.39
21	13.5623	-1.64	Qp	.2	.1	10	8.66	-	-	60	-51.34

Qp - Quasi-Peak detector

Ca - CISPR average detection

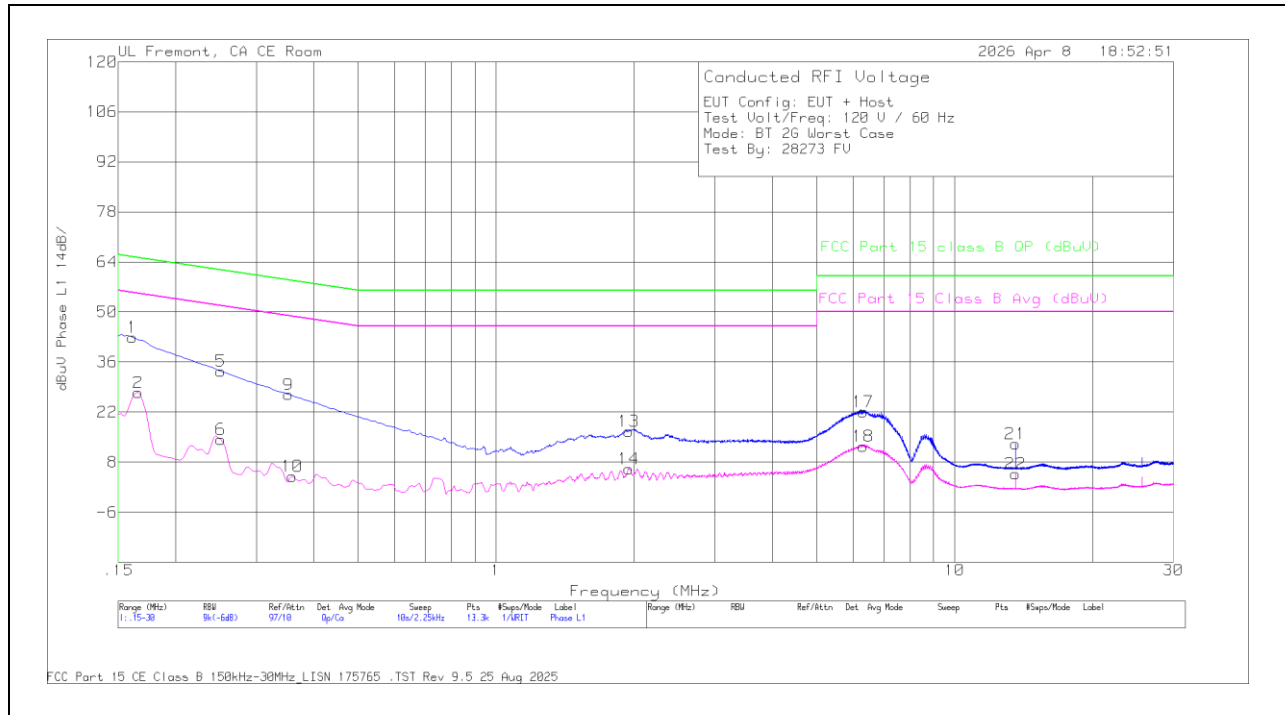
LINE 2 RESULTS**MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 Class B QP (dBuV)	Margin (dB)
4	.1703	20.02	Ca	0	0	10	30.02	54.95	-24.93	-	-
8	.2558	13.09	Ca	0	0	10	23.09	51.57	-28.48	-	-
12	.5123	2.37	Ca	0	0	10	12.37	46	-33.63	-	-
16	1.2863	-3.66	Ca	.1	0	10	6.44	46	-39.56	-	-
20	4.9088	-.45	Ca	.2	0	10	9.75	46	-36.25	-	-
24	13.5623	-8.41	Ca	.2	.1	10	1.89	50	-48.11	-	-
3	.1703	34.13	Qp	0	0	10	44.13	-	-	64.95	-20.82
7	.258	28.64	Qp	0	0	10	38.64	-	-	61.5	-22.86
11	.5145	16.05	Qp	0	0	10	26.05	-	-	56	-29.95
15	1.293	9.72	Qp	.1	0	10	19.82	-	-	56	-36.18
19	4.911	12.92	Qp	.2	0	10	23.12	-	-	56	-32.88
23	13.5623	-2.5	Qp	.2	.1	10	7.8	-	-	60	-52.2

Qp - Quasi-Peak detector
 Ca - CISPR average detection

10.2. AC POWER LINE WITH LAPTOP

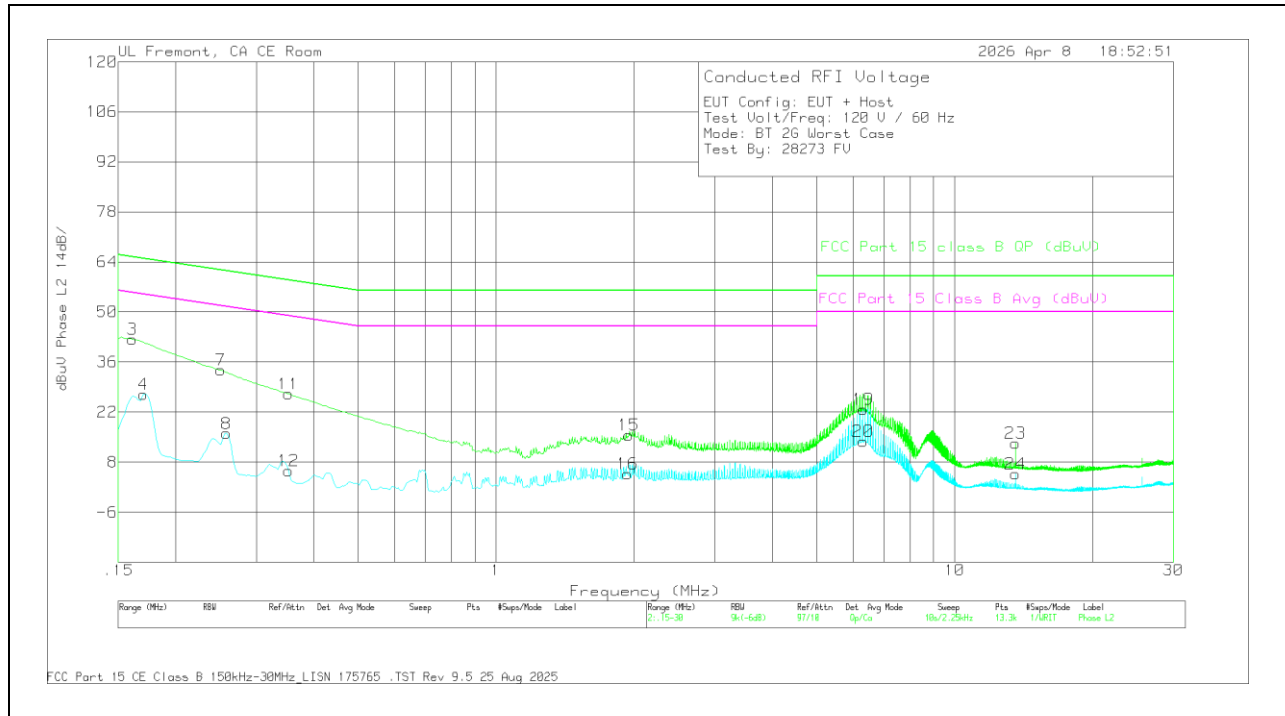
LINE 1 RESULTS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading (dBUV)	FCC Part 15 Class B Avg (dBUV)	Margin (dB)	FCC Part 15 class B QP (dBUV)	Margin (dB)
2	.1658	17.31	Ca	0	.1	10	27.41	55.17	-27.76	-	-
6	.2513	4.28	Ca	0	0	10	14.28	51.72	-37.44	-	-
10	.3593	-5.94	Ca	0	0	10	4.06	48.75	-44.69	-	-
14	1.9455	-3.93	Ca	.1	0	10	6.17	46	-39.83	-	-
18	6.324	2.18	Ca	.2	0	10	12.38	50	-37.62	-	-
22	13.56	-5.54	Ca	.2	.1	10	4.76	50	-45.24	-	-
1	.1613	32.79	Qp	0	.1	10	42.89	-	-	65.4	-22.51
5	.2513	23.46	Qp	0	0	10	33.46	-	-	61.72	-28.26
9	.3525	16.87	Qp	0	0	10	26.87	-	-	58.9	-32.03
13	1.9455	6.54	Qp	.1	0	10	16.64	-	-	56	-39.36
17	6.3195	11.85	Qp	.2	0	10	22.05	-	-	60	-37.95
21	13.56	2.83	Qp	.2	.1	10	13.13	-	-	60	-46.87

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS**MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
4	.1703	16.93	Ca	0	0	10	26.93	54.95	-28.02	-	-
8	.258	6	Ca	0	0	10	16	51.5	-35.5	-	-
12	.3525	-4.45	Ca	0	0	10	5.55	48.9	-43.35	-	-
16	1.9365	-5.41	Ca	.1	0	10	4.69	46	-41.31	-	-
20	6.315	3.62	Ca	.2	0	10	13.82	50	-36.18	-	-
24	13.56	-5.63	Ca	.2	.1	10	4.67	50	-45.33	-	-
3	.1613	32.33	Qp	0	.1	10	42.43	-	-	65.4	-22.97
7	.2513	23.75	Qp	0	0	10	33.75	-	-	61.72	-27.97
11	.3525	17.05	Qp	0	0	10	27.05	-	-	58.9	-31.85
15	1.9455	5.45	Qp	.1	0	10	15.55	-	-	56	-40.45
19	6.3195	12.55	Qp	.2	0	10	22.75	-	-	60	-37.25
23	13.56	2.96	Qp	.2	.1	10	13.26	-	-	60	-46.74

Qp - Quasi-Peak detector
Ca - CISPR average detection

11. SETUP PHOTOS

Please refer to 15982167-EP1V1 for setup photos.