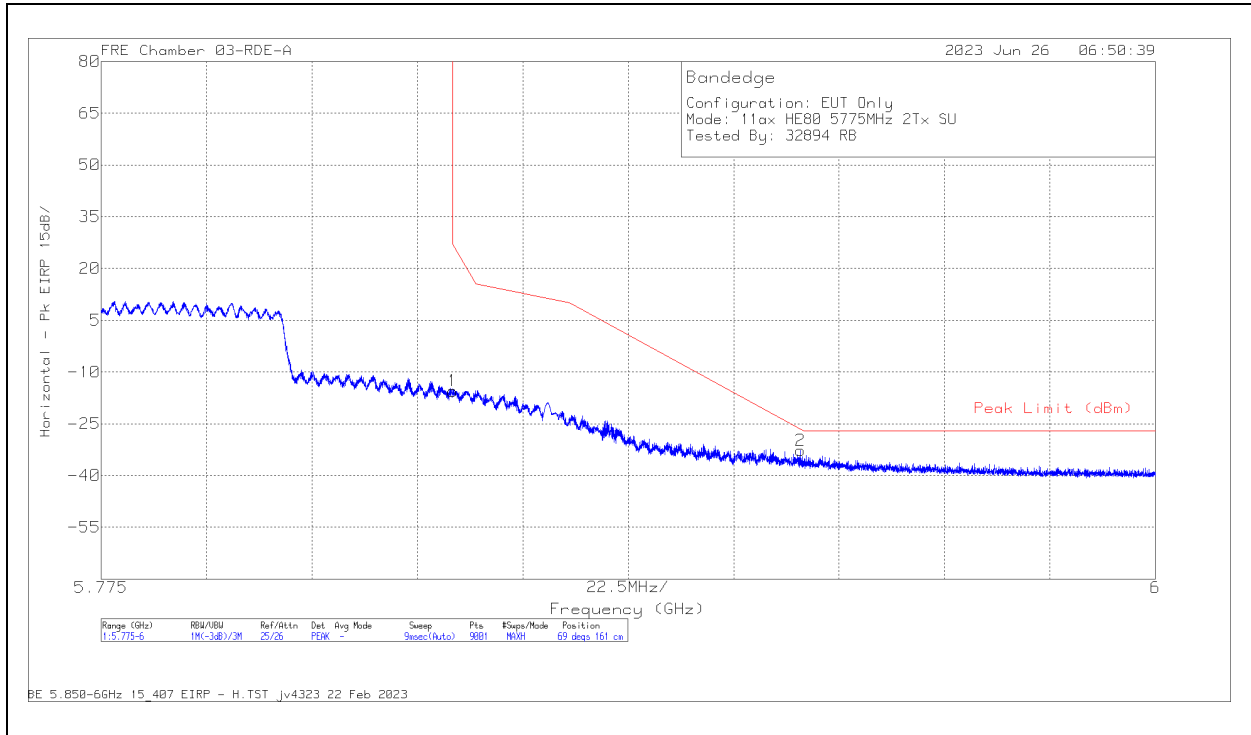


CHANNEL 155 HIGH EDGE

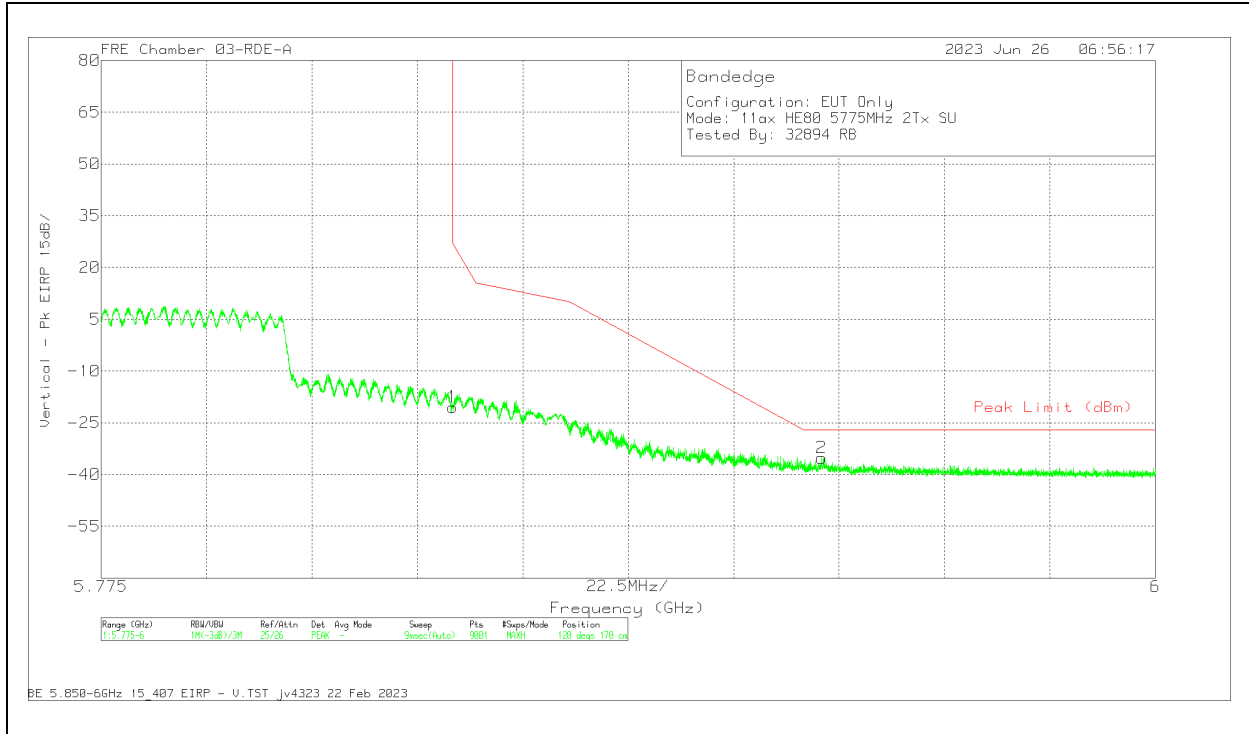
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	230299 ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-25.02	Pk	35.2	11.8	0	-37.49	-15.51	27	-42.51	69	161	H
2	5.92425	-42.5	Pk	35.3	11.8	0	-37.32	-32.72	-26.45	-6.27	69	161	H

Pk - Peak detector

VERTICAL RESULT

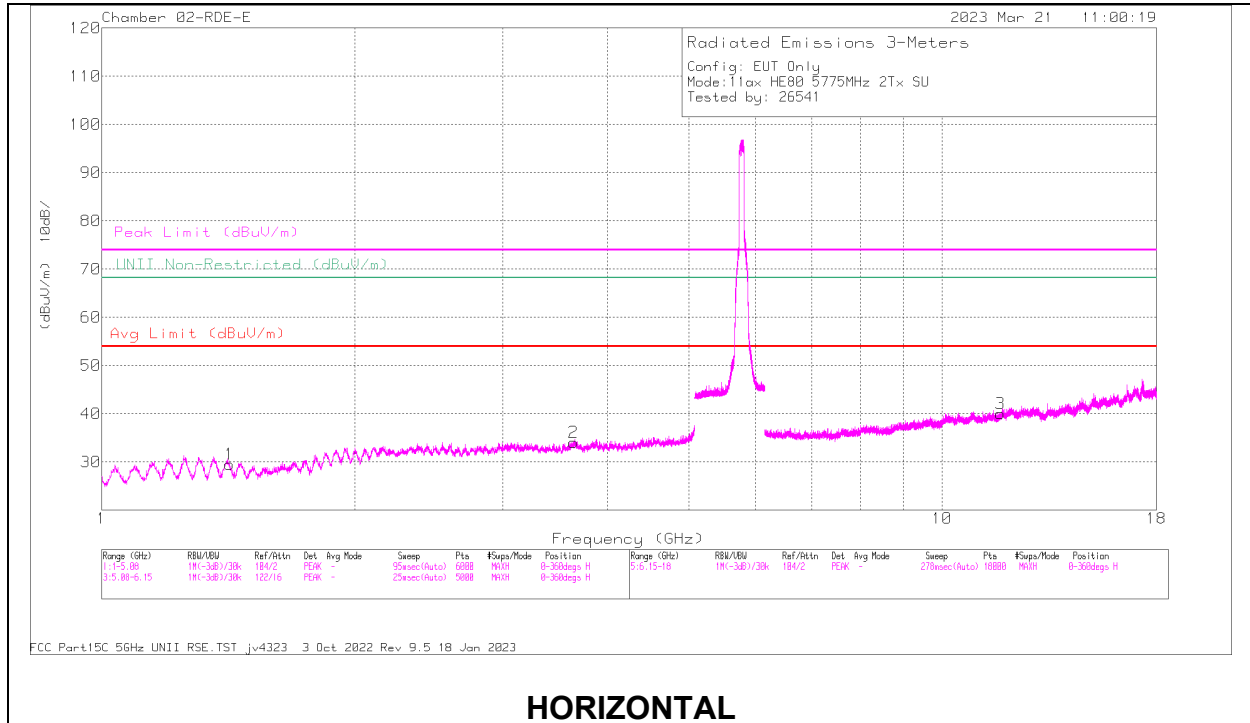


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	230299 ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-30.01	Pk	35.2	11.8	0	-37.49	-20.5	27	-47.5	120	170	V
2	5.92875	-44.97	Pk	35.3	11.8	0	-37.3	-35.17	-27	-8.17	120	170	V

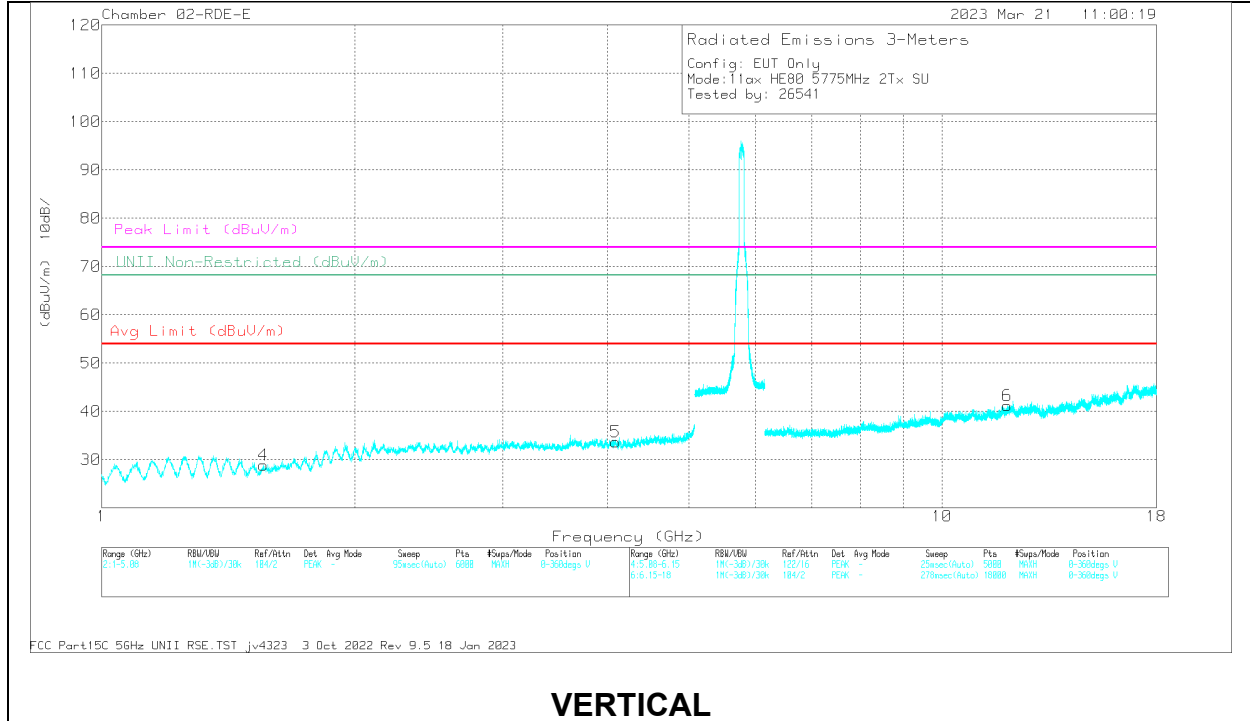
Pk - Peak detector

2.1.60. 5.8GHz, 11ax HE80 SU 2TX HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

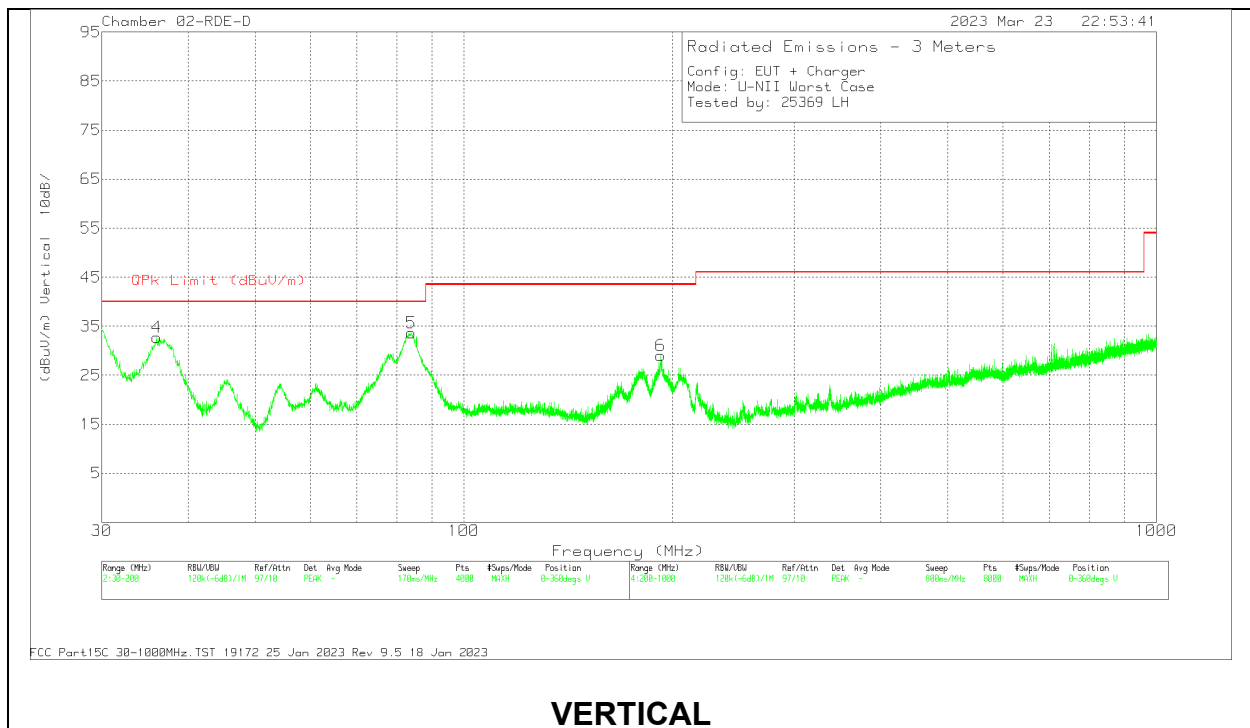
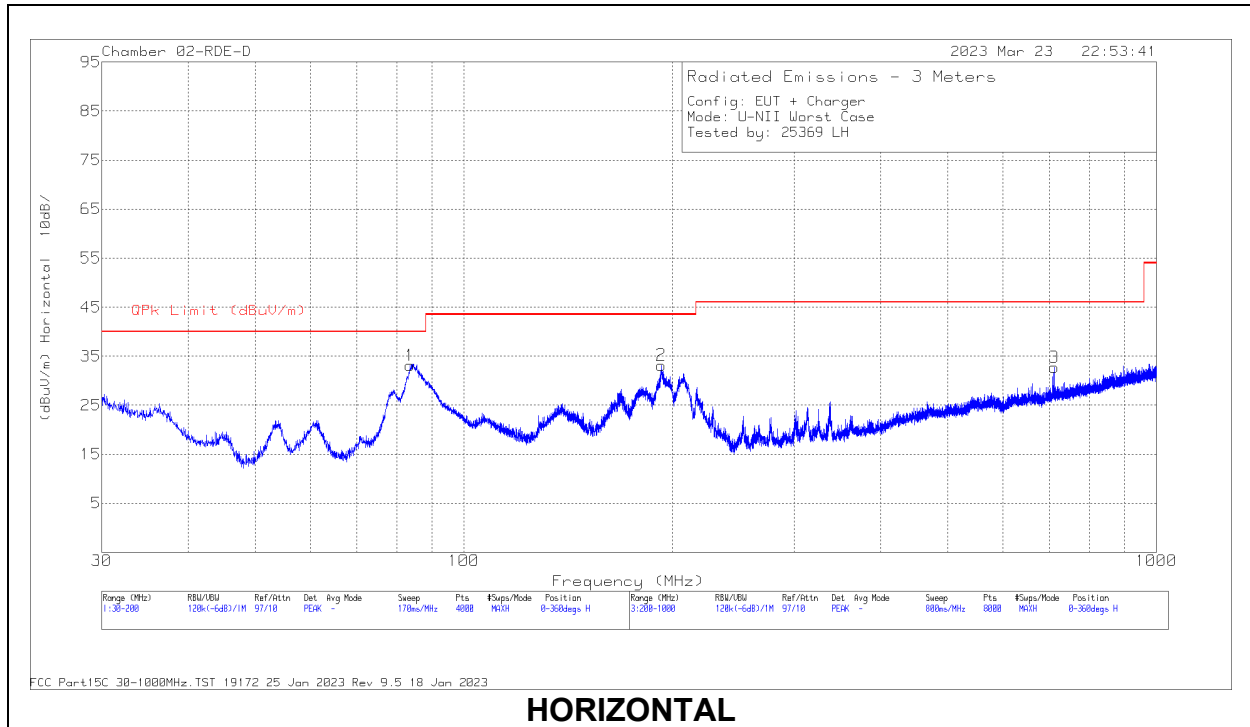
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB) 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	* 1.41722	61.15	PK-U	28.6	0	-49.19	40.56	-	-	74	-33.44	0	200	H
	* 1.417769	49	ADR	28.6	.15	-49.19	28.56	54	-25.44	-	-	0	200	H
2	* 3.643292	57.13	PK-U	33.3	0	-46.14	44.29	-	-	74	-29.71	0	101	H
	* 3.642791	45.28	ADR	33.3	.15	-46.15	32.58	54	-21.42	-	-	0	101	H
4	* 1.557286	60.08	PK-U	28.1	0	-49.24	38.94	-	-	74	-35.06	0	101	V
	* 1.559066	48.22	ADR	28.1	.15	-49.22	27.25	54	-26.75	-	-	0	101	V
5	* 4.08833	56.77	PK-U	33.4	0	-45.98	44.19	-	-	74	-29.81	0	200	V
	* 4.088666	44.92	ADR	33.4	.15	-45.97	32.5	54	-21.5	-	-	0	200	V
3	* 11.726867	54.1	PK-U	38.5	0	-42.88	49.72	-	-	74	-24.28	0	200	H
	* 11.725495	42.39	ADR	38.5	.15	-42.88	38.16	54	-15.84	-	-	0	200	H
6	* 11.96683	54.61	PK-U	38.8	0	-42.78	50.63	-	-	74	-23.37	0	101	V
	* 11.967762	42.83	ADR	38.8	.15	-42.77	39.01	54	-14.99	-	-	0	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

2.2. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

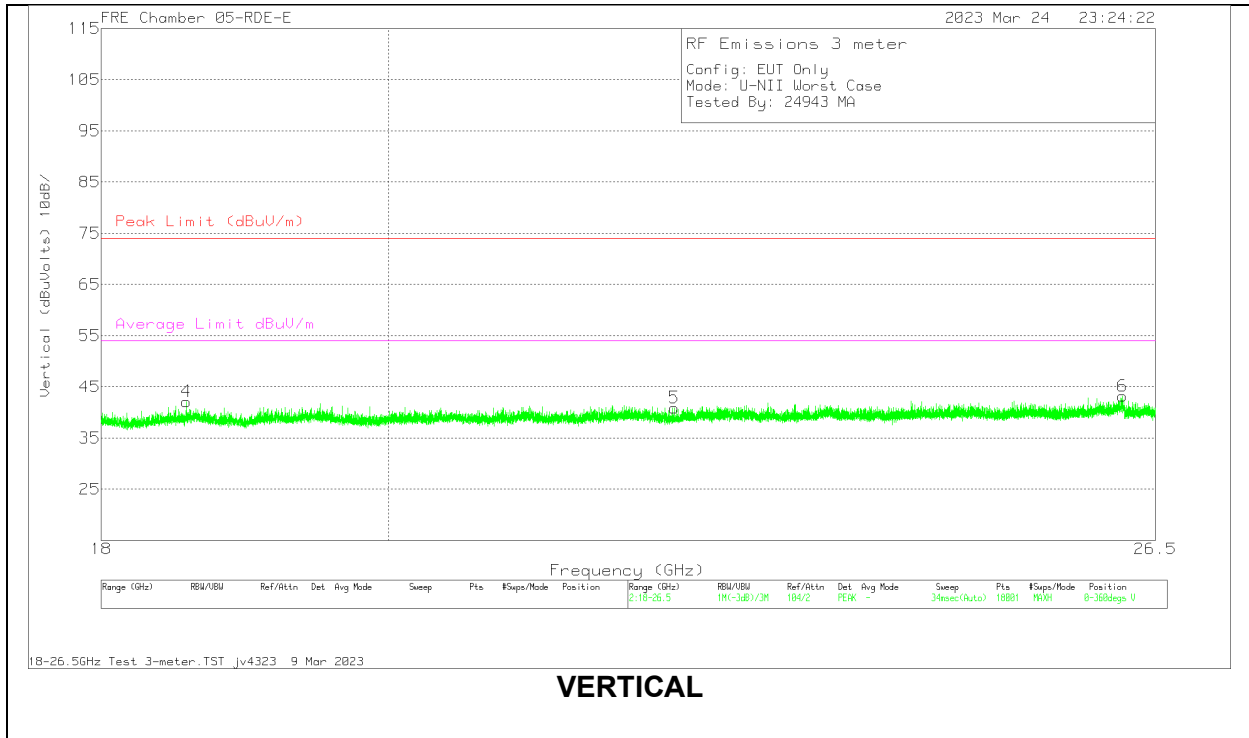
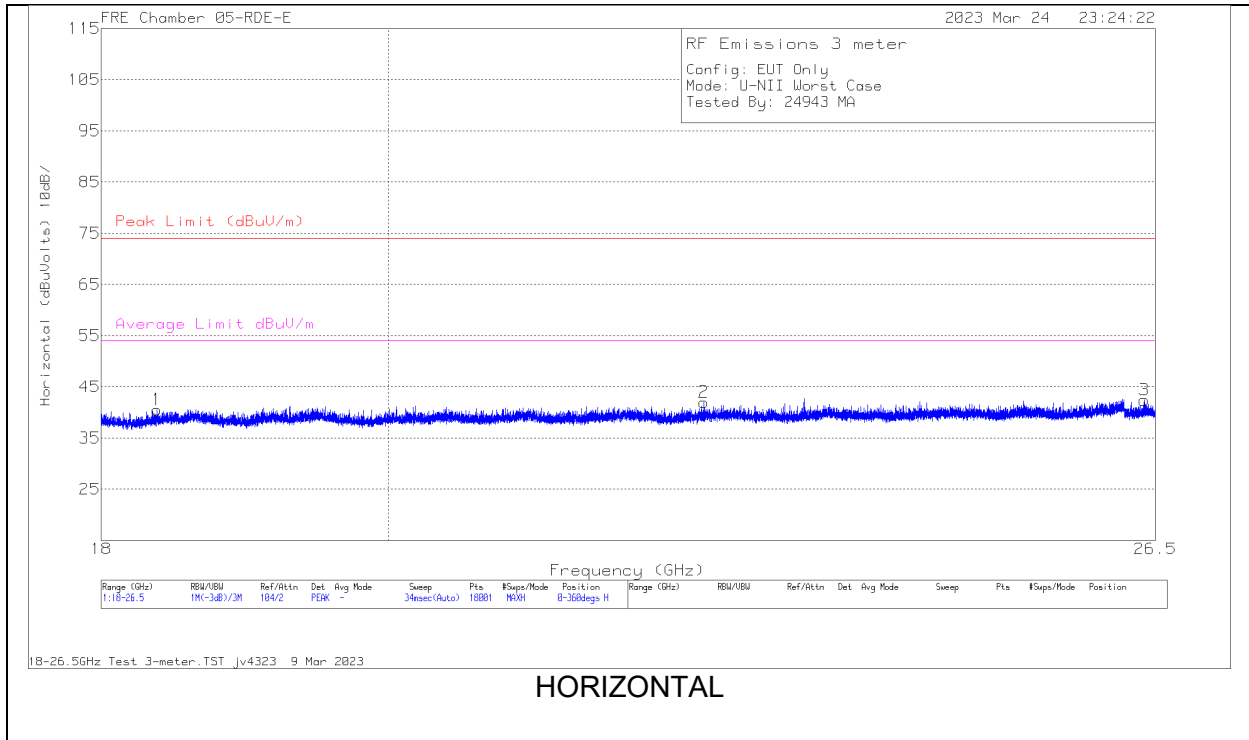
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80508 ACF (dB)	Cbl/Am p (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	35.9941	40.47	Pk	22.7	-30.4	32.77	40	-7.23	0-360	98	V
1	83.6489	50.11	Pk	13.2	-30.2	33.11	40	-6.89	0-360	199	H
5	83.9465	50.62	Pk	13.2	-30.2	33.62	40	-6.38	0-360	98	V
	83.9460	46.59	Qp	13.2	-30.2	29.59	40	-10.41	130	113	V
6	192.307	41.09	Pk	17.8	-29.9	28.99	43.52	-14.53	0-360	98	V
2	192.775	45.18	Pk	17.9	-29.9	33.18	43.52	-10.34	0-360	101	H
3	712.467	33.58	Pk	26.5	-27.4	32.68	46.02	-13.34	0-360	101	H

Pk - Peak detector

Qp - Quasi-Peak detector

2.3. WORST CASE 18-26.5 GHz

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



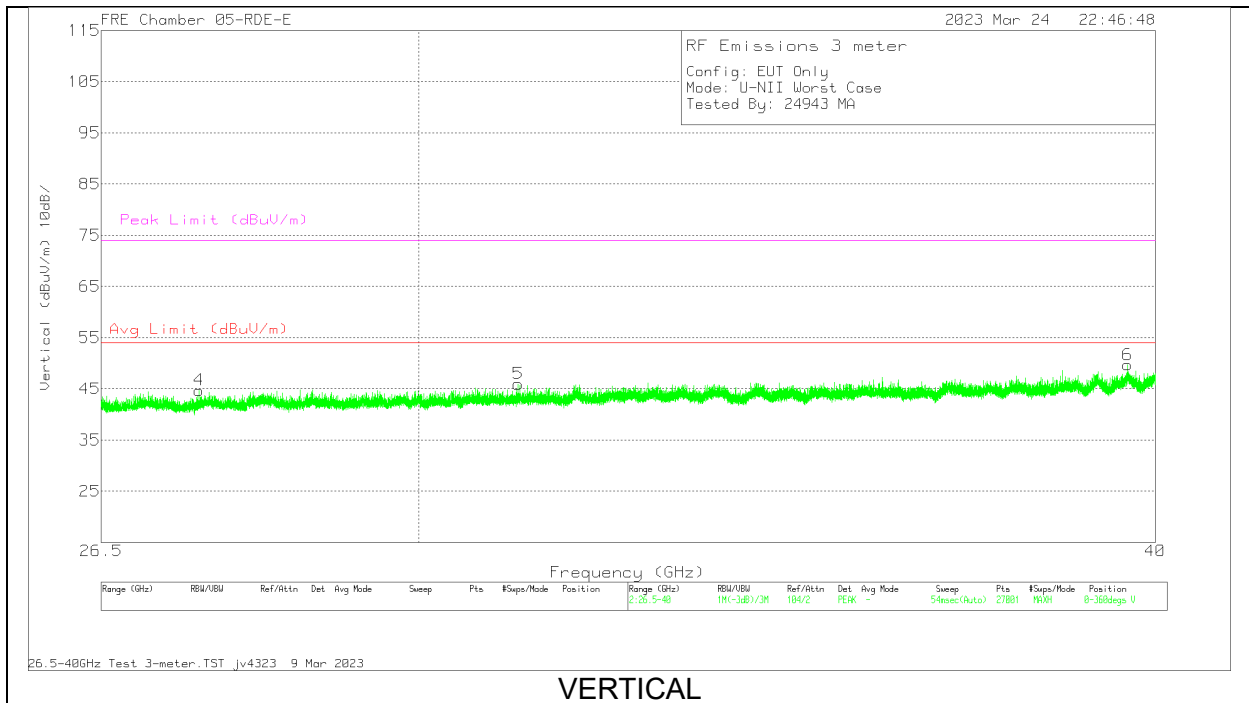
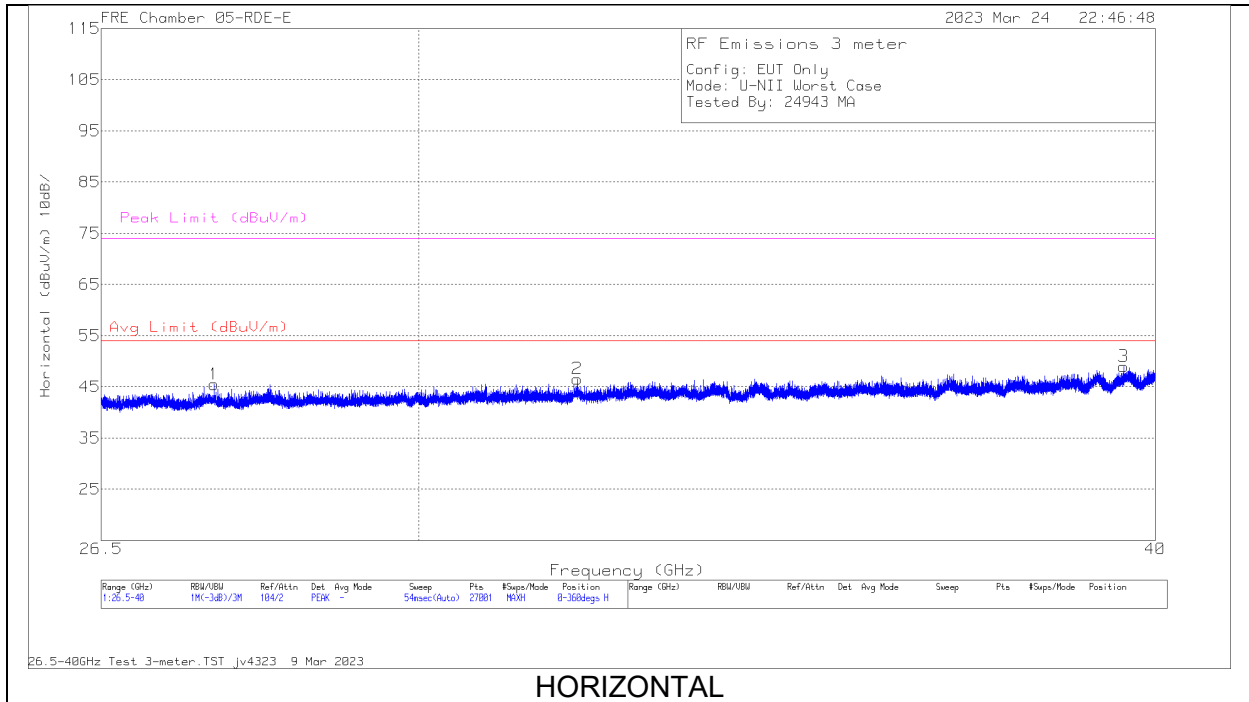
18 – 26GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	amp/cbl (dB)	CBL/S WITC H	Corrected Reading (dBuV olts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.371166	58.13	Pk	32	-62.6	13	40.53	74	-33.47	54	-13.47	0-360	199	H
2	* 22.453053	56.71	Pk	33.1	-62.1	14.3	42.01	74	-31.99	54	-11.99	0-360	199	H
4	* 18.571861	59.13	Pk	32.3	-62.3	13	42.13	74	-31.87	54	-11.87	0-360	199	V
5	* 22.211748	55.99	Pk	33	-62.2	14.1	40.89	74	-33.11	54	-13.11	0-360	101	V
6	26.182191	55.09	Pk	33.8	-61.3	15.6	43.19	74	-30.81	54	-10.81	0-360	101	V
3	26.392802	53.81	Pk	34	-61.1	15.7	42.41	74	-31.59	54	-11.59	0-360	101	H

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

2.4. WORST CASE 26.5-40 GHz

SPURIOUS EMISSIONS 26-40 GHz (WORST-CASE CONFIGURATION)



26 – 40GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	amp/cb l (dB)	CBL/S WITCH	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Avg Limit (dBuV/m)	Avg Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 39.507	55.78	Pk	38.3	-64.9	19.8	48.98	74	-25.02	54	-5.02	0-360	199	H
6	* 39.5665	56.29	Pk	38.4	-64.8	19.8	49.69	74	-24.31	54	-4.31	0-360	101	V
4	27.531	58.92	Pk	35.8	-66	16	44.72	74	-29.28	54	-9.28	0-360	101	V
1	27.697	59.09	Pk	35.9	-65.6	16.1	45.49	74	-28.51	54	-8.51	0-360	199	H
5	31.188	56.96	Pk	36.7	-64.8	17.1	45.96	74	-28.04	54	-8.04	0-360	101	V
2	31.916	55.27	Pk	36.7	-62.9	17.5	46.57	74	-27.43	54	-7.43	0-360	101	H

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

Pk - Peak detector

3. AC POWERLINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

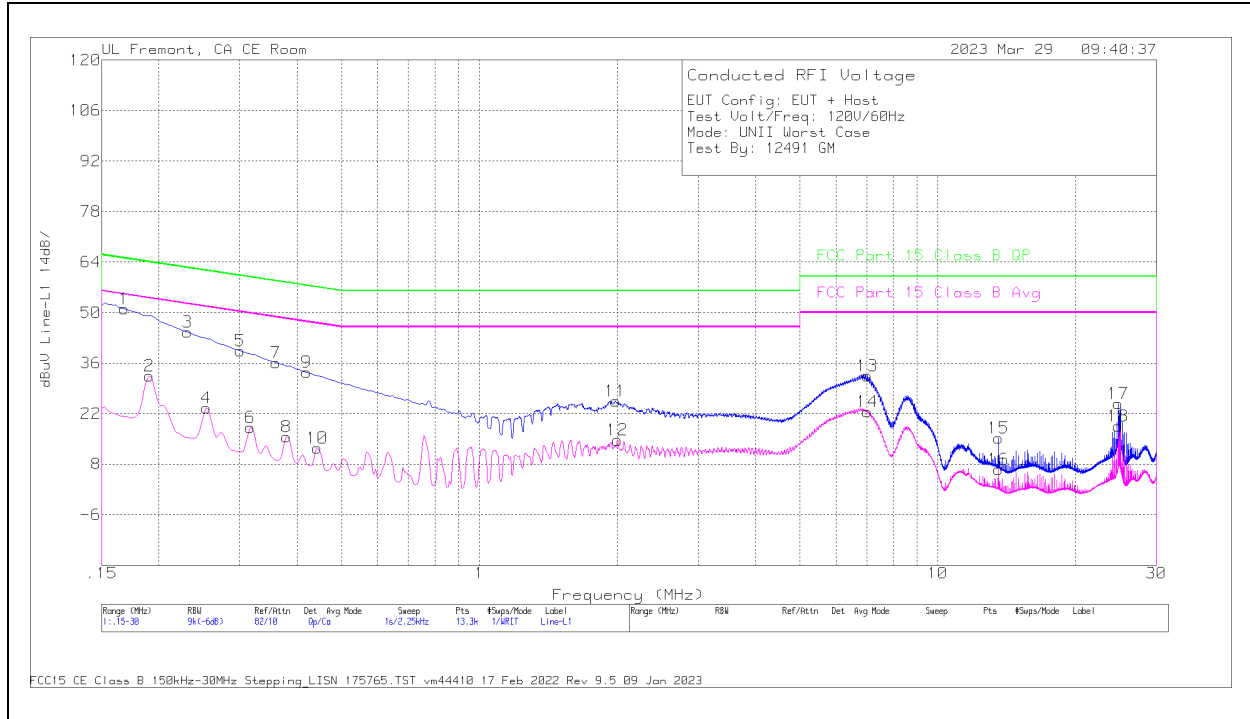
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

3.1. AC POWER LINE WITH LAPTOP

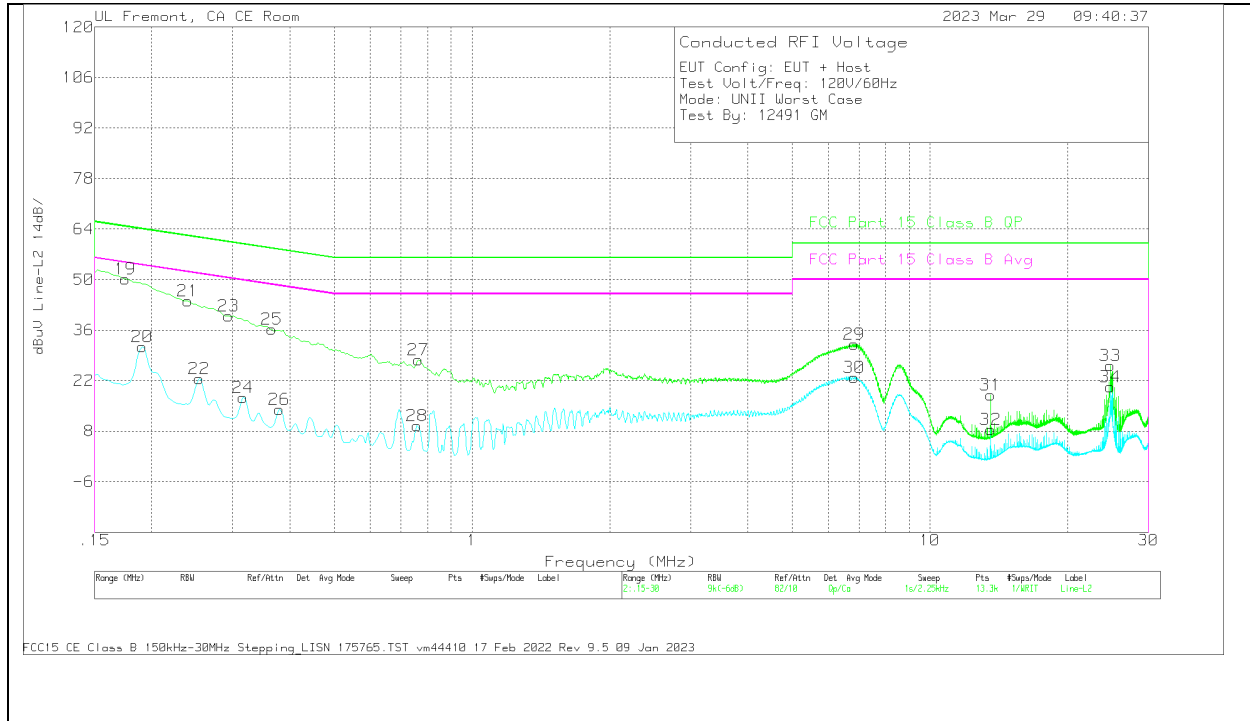
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L1_LISN.csv dB	C1&C3 cable path loss dB	207996 Limiter with short cabl dB	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
2	.1905	23.09	Ca	0	0	9.4	32.49	-	-	54.01	-21.52
4	.2535	14.2	Ca	0	0	9.3	23.5	-	-	51.64	-28.14
6	.3165	8.82	Ca	0	0	9.3	18.12	-	-	49.8	-31.68
8	.3795	6.11	Ca	0	.1	9.3	15.51	-	-	48.29	-32.78
10	.4425	3	Ca	0	.1	9.3	12.4	-	-	47.01	-34.61
12	2.0018	5.23	Ca	0	.1	9.3	14.63	-	-	46	-31.37
14	7.026	13.08	Ca	0	.2	9.3	22.58	-	-	50	-27.42
16	13.56	-2.99	Ca	.1	.2	9.3	6.61	-	-	50	-43.39
18	24.7898	8.6	Ca	.2	.3	9.4	18.5	-	-	50	-31.5
1	.168	41.71	Qp	0	0	9.4	51.11	65.06	-13.95	-	-
3	.231	35.27	Qp	0	0	9.3	44.57	62.41	-17.84	-	-
5	.3008	30.13	Qp	0	0	9.3	39.43	60.22	-20.79	-	-
7	.3593	26.85	Qp	0	0	9.3	36.15	58.75	-22.6	-	-
9	.42	24.05	Qp	0	.1	9.3	33.45	57.45	-24	-	-
11	1.9815	16.09	Qp	0	.1	9.3	25.49	56	-30.51	-	-
13	7.026	22.87	Qp	0	.2	9.3	32.37	60	-27.63	-	-
15	13.56	5.57	Qp	.1	.2	9.3	15.17	60	-44.83	-	-
17	24.7898	14.91	Qp	.2	.3	9.4	24.81	60	-35.19	-	-

LINE 2 RESULTS



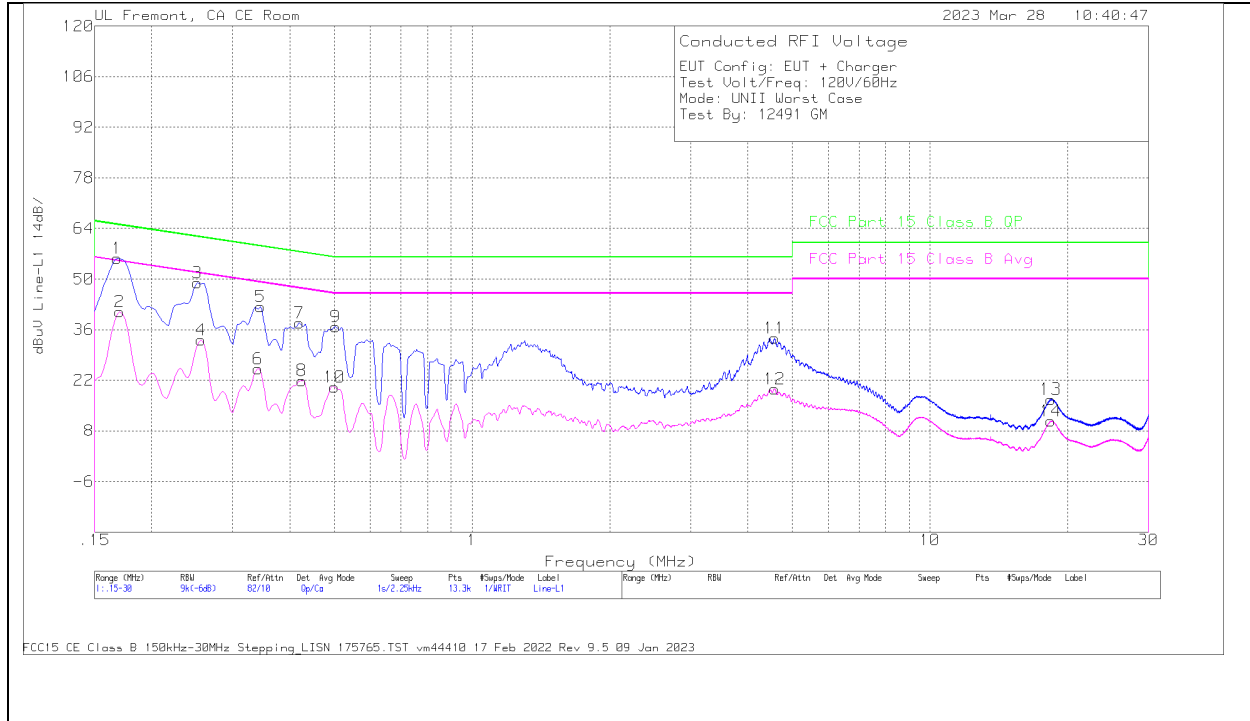
Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN dB	C2&C3 cable path loss dB	207996 Limiter with short cabl dB	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
20	.1905	22.02	Ca	0	0	9.4	31.42	-	-	54.01	-22.59
22	.2535	13.22	Ca	0	0	9.3	22.52	-	-	51.64	-29.12
24	.3165	8	Ca	0	0	9.3	17.3	-	-	49.8	-32.5
26	.3795	4.55	Ca	0	.1	9.3	13.95	-	-	48.29	-34.34
28	.7598	.15	Ca	0	.1	9.3	9.55	-	-	46	-36.45
30	6.8359	13.52	Ca	0	.1	9.3	22.92	-	-	50	-27.08
32	13.56	-1.22	Ca	.1	.2	9.3	8.38	-	-	50	-41.62
34	24.7898	10.36	Ca	.2	.3	9.4	20.26	-	-	50	-29.74
19	.1748	40.78	Qp	0	0	9.4	50.18	64.73	-14.55	-	-
21	.24	34.78	Qp	0	0	9.3	44.08	62.1	-18.02	-	-
23	.294	30.68	Qp	0	0	9.3	39.98	60.41	-20.43	-	-
25	.366	26.9	Qp	0	0	9.3	36.2	58.59	-22.39	-	-
27	.7643	18.27	Qp	0	.1	9.3	27.67	56	-28.33	-	-
29	6.8213	22.7	Qp	0	.1	9.3	32.1	60	-27.9	-	-
31	13.56	8.44	Qp	.1	.2	9.3	18.04	60	-41.96	-	-
33	24.7898	16.3	Qp	.2	.3	9.4	26.2	60	-33.8	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

3.2. AC POWER LINE WITH AC/DC ADAPTER

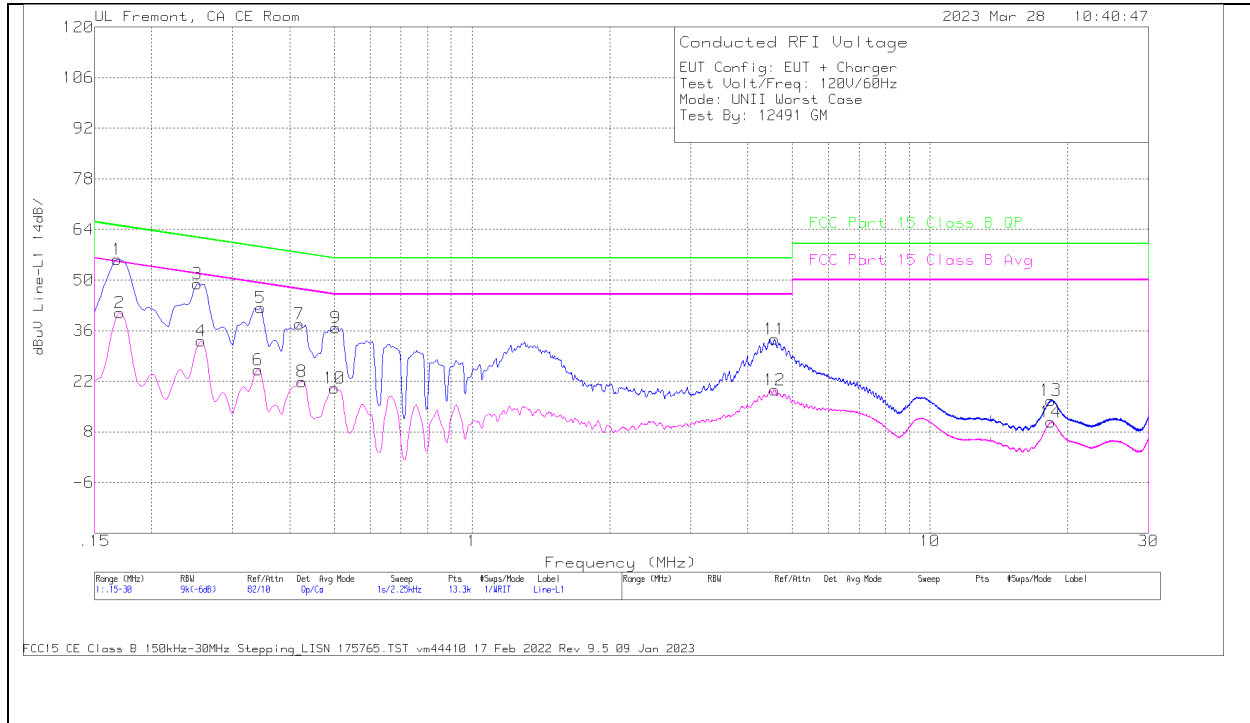
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L1_LISN.csv dB	C1&C3 cable path loss dB	207996 Limiter with short cabl dB	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
2	.1703	31.61	Ca	0	0	9.4	41.01	-	-	54.95	-13.94
4	.2558	23.77	Ca	0	0	9.3	33.07	-	-	51.57	-18.5
6	.3413	15.75	Ca	0	.1	9.3	25.15	-	-	49.17	-24.02
8	.4245	12.52	Ca	0	.1	9.3	21.92	-	-	47.36	-25.44
10	.501	10.75	Ca	0	.1	9.3	20.15	-	-	46	-25.85
12	4.5848	10.14	Ca	0	.1	9.3	19.54	-	-	46	-26.46
14	18.3514	.97	Ca	.1	.3	9.3	10.67	-	-	50	-39.33
1	.168	46.26	Qp	0	0	9.4	55.66	65.06	-9.4	-	-
3	.2513	39.61	Qp	0	0	9.3	48.91	61.72	-12.81	-	-
5	.3458	32.99	Qp	0	.1	9.3	42.39	59.06	-16.67	-	-
7	.42	28.39	Qp	0	.1	9.3	37.79	57.45	-19.66	-	-
9	.5033	27.41	Qp	0	.1	9.3	36.81	56	-19.19	-	-
11	4.5803	24.23	Qp	0	.1	9.3	33.63	56	-22.37	-	-
13	18.3345	7.01	Qp	.1	.3	9.3	16.71	60	-43.29	-	-

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN dB	C2&C3 cable path loss dB	207996 Limiter with short cabl dB	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
16	.1703	31.01	Ca	0	0	9.4	40.41	-	-	54.95	-14.54
18	.2558	23.51	Ca	0	0	9.3	32.81	-	-	51.57	-18.76
20	.3413	16.07	Ca	0	0	9.3	25.37	-	-	49.17	-23.8
22	.4268	12.68	Ca	0	.1	9.3	22.08	-	-	47.32	-25.24
24	.5078	11.02	Ca	0	.1	9.3	20.42	-	-	46	-25.58
26	4.5881	8.85	Ca	0	.1	9.3	18.25	-	-	46	-27.75
28	29.5384	4.02	Ca	.3	.3	9.4	14.02	-	-	50	-35.98
15	.168	45.6	Qp	0	0	9.4	55	65.06	-10.06	-	-
17	.2535	39.49	Qp	0	0	9.3	48.79	61.64	-12.85	-	-
19	.3458	33.36	Qp	0	0	9.3	42.66	59.06	-16.4	-	-
21	.4335	29.02	Qp	0	.1	9.3	38.42	57.19	-18.77	-	-
23	.519	28.68	Qp	0	.1	9.3	38.08	56	-17.92	-	-
25	4.5893	22.62	Qp	0	.1	9.3	32.02	56	-23.98	-	-
27	29.544	10.13	Qp	.3	.3	9.4	20.13	60	-39.87	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

4. SETUP PHOTOS:

Please refer to 14523778-EP1V1 for setup photo.

END OF TEST REPORT