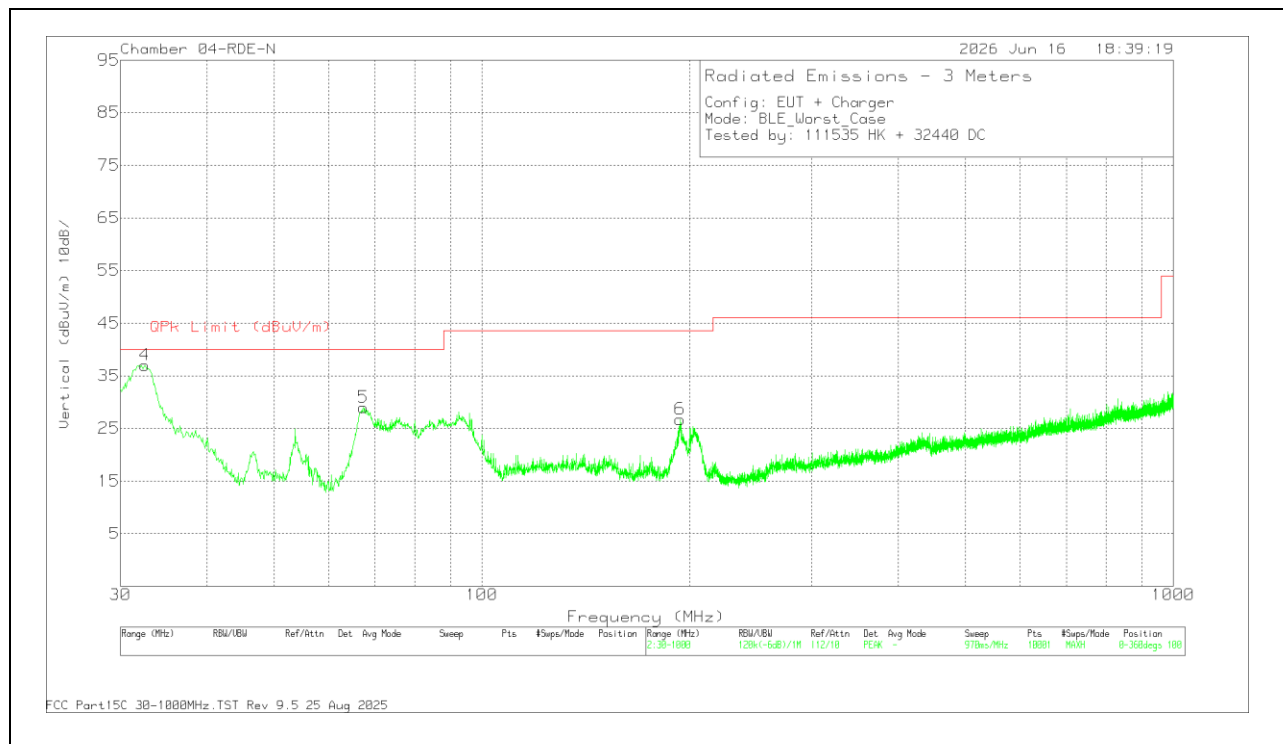
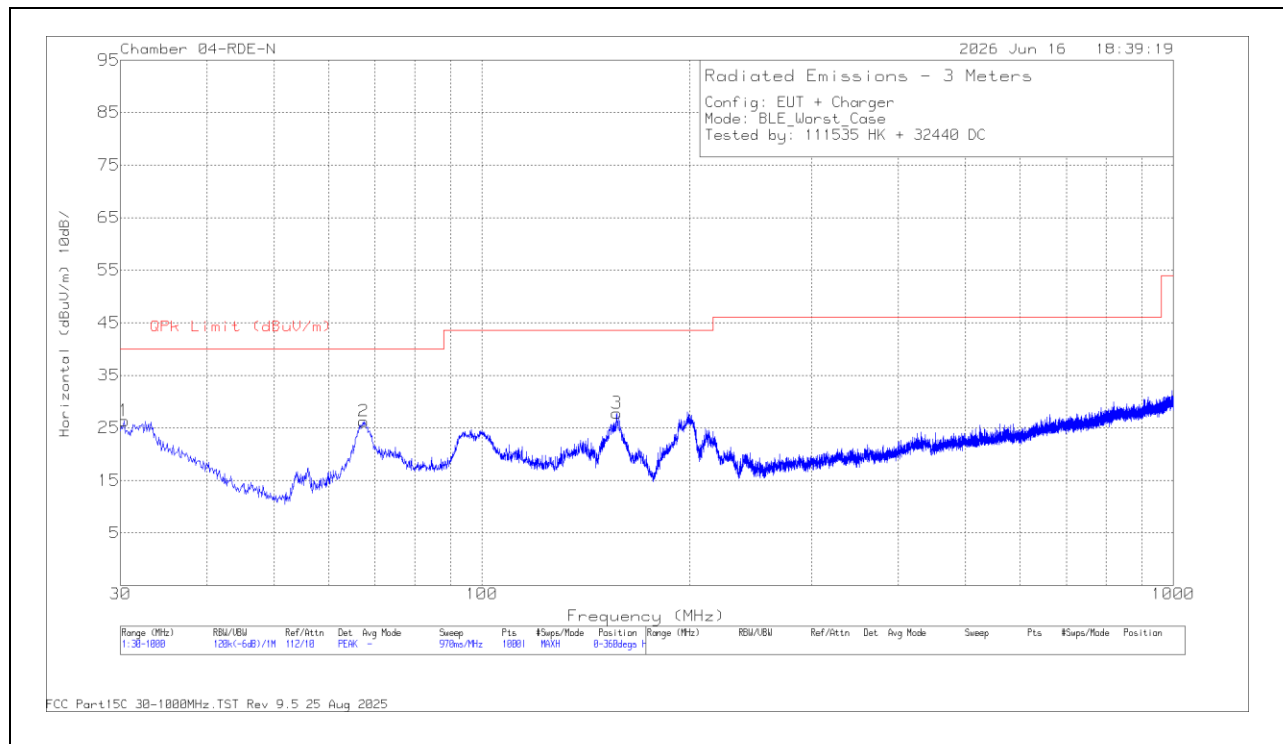


9.2. 30 MHz - 1 GHz – WORST-CASE

SPURIOUS EMISSIONS



MEASURED DATA

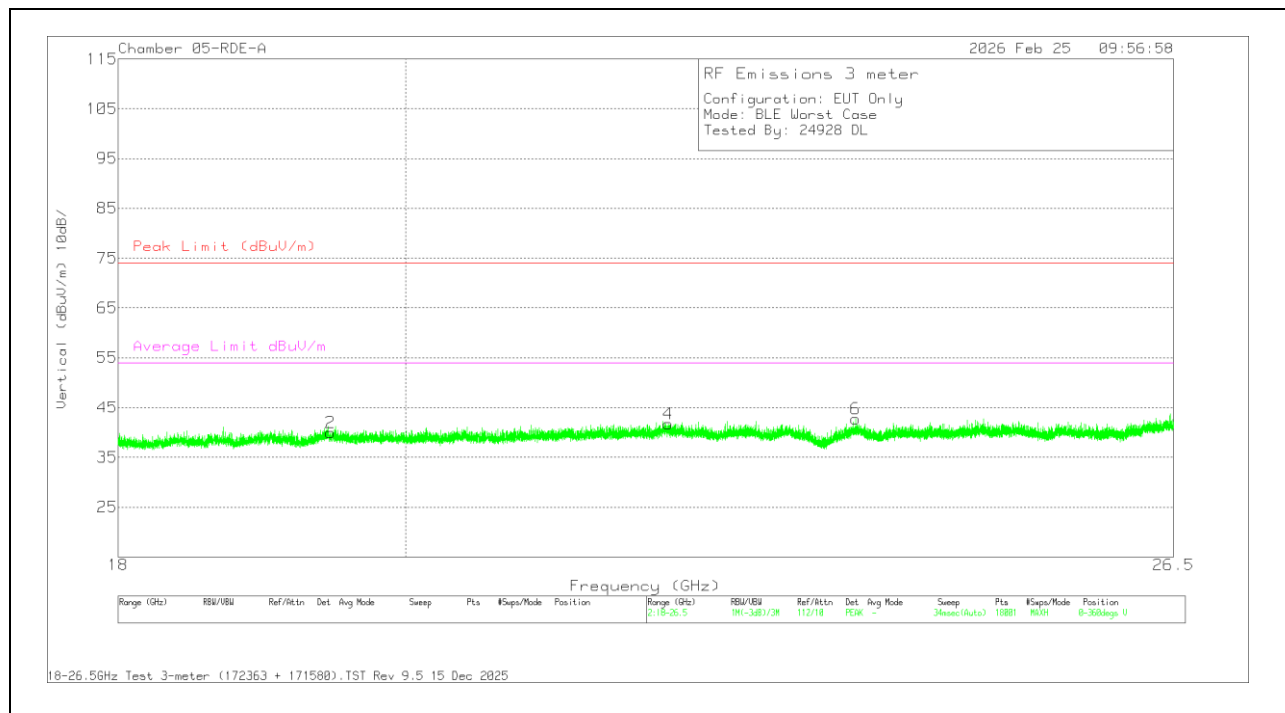
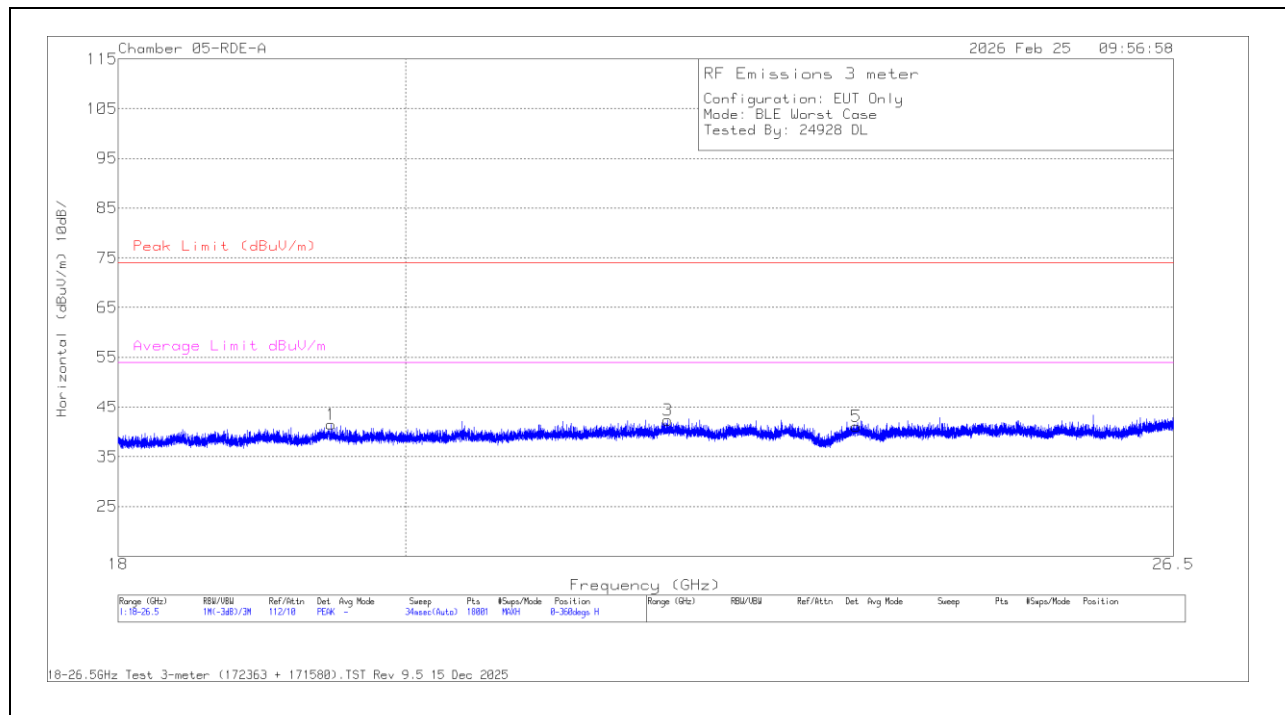
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80706 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	156.782	39.9	Pk	18.1	-31.6	26.4	43.52	-17.12	74	176	H
	156.782	34.91	Qp	18.1	-31.6	21.41	43.52	-22.11	74	176	H
1	30.3101	30.49	Pk	26.5	-32.4	24.59	40	-15.41	6	343	H
	30.3101	25.6	Qp	26.5	-32.4	19.7	40	-20.3	6	343	H
4	32.9004	44.39	Pk	24.8	-32.5	36.69	40	-3.31	236	115	V
	32.9004	40.99	Qp	24.8	-32.5	33.29	40	-6.71	236	115	V
5	67.3391	41.93	Qp	14.1	-32.2	23.83	40	-16.17	95	114	V
	67.3391	48.22	Pk	14.1	-32.2	30.12	40	-9.88	95	114	V
2	67.3647	43.92	Pk	14.1	-32.2	25.82	40	-14.18	2	213	H
	67.3647	41.05	Qp	14.1	-32.2	22.95	40	-17.05	2	213	H
6	193.132	40.8	Pk	17.4	-31.6	26.6	43.52	-16.92	142	110	V
	193.132	35.07	Qp	17.4	-31.6	20.87	43.52	-22.65	142	110	V

Pk - Peak detector

Qp - Quasi-Peak detector

9.3. 18 GHz - 26 GHz – WORST-CASE

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172363 ACF (dB/m)	CBL/AMP (dB)	Amp/Cbl/Filtr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 19.45538	55.81	Pk	32.5	-62.9	14.5	39.91	74	-34.09	0-360	101	V
1	* 19.46058	57.42	Pk	32.5	-62.9	14.5	41.52	74	-32.48	0-360	101	H
3	* 22.01388	56.74	Pk	33.1	-63	15.5	42.34	74	-31.66	0-360	199	H
4	* 22.02049	56.07	Pk	33.1	-63	15.5	41.67	74	-32.33	0-360	101	V
6	23.586858	55.56	Pk	33.4	-62.4	16.2	42.76	74	-31.24	0-360	101	V
5	23.592525	53.84	Pk	33.4	-62.4	16.2	41.04	74	-32.96	0-360	101	H

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

Pk - Peak detector

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, Subclause 6.2

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.

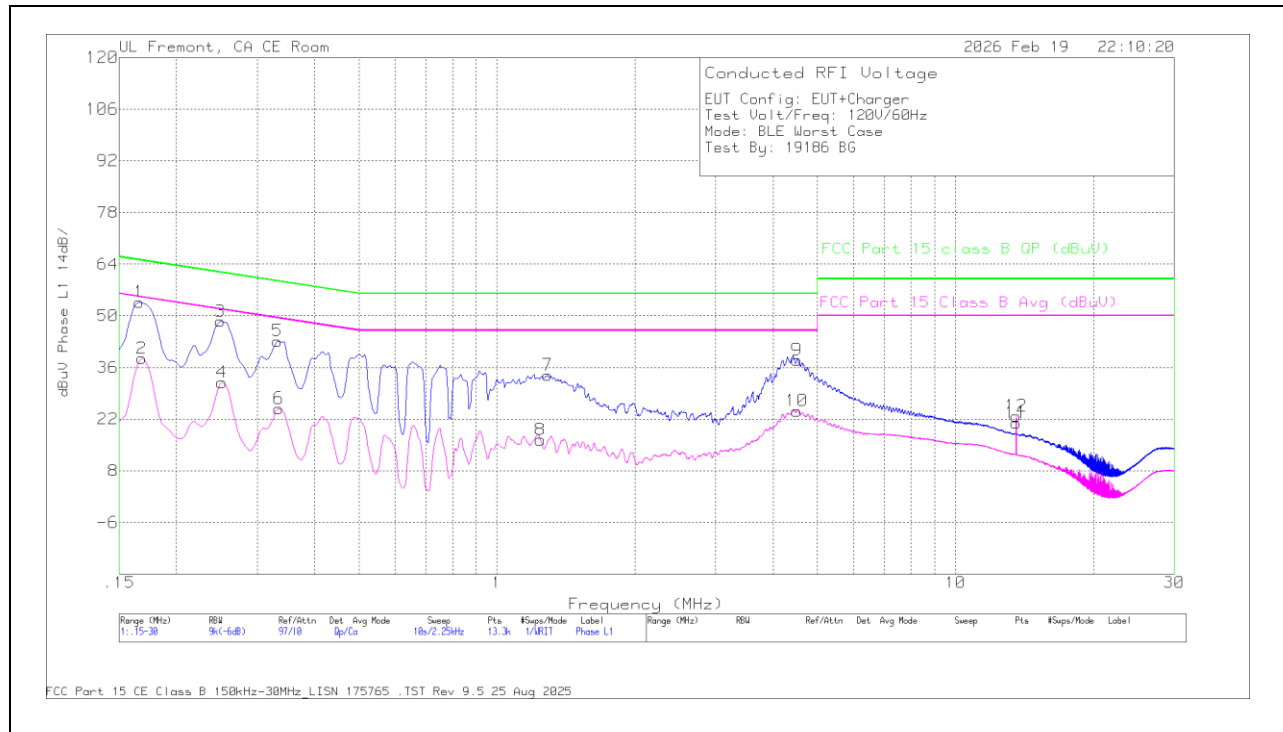
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1. AC POWER LINE WITH AC/DC ADAPTER

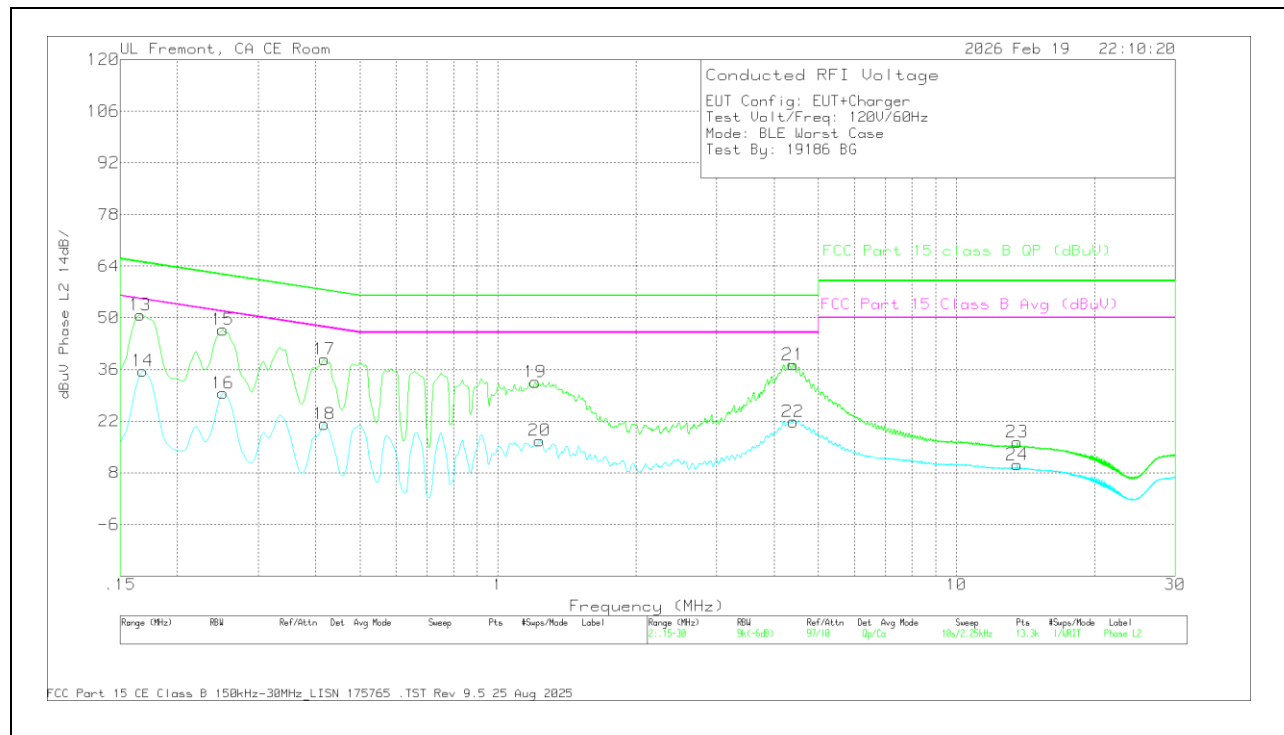
LINE 1 RESULTS



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)
1	.168	28.36	Ca	0	.1	10	38.46	55.06	-16.6	-	-
4	.2513	21.92	Ca	0	0	10	31.92	51.72	-19.8	-	-
6	.3345	14.86	Ca	0	0	10	24.86	49.34	-24.48	-	-
8	1.2435	6.31	Ca	.1	0	10	16.41	46	-29.59	-	-
10	4.5083	14.02	Ca	.2	0	10	24.22	46	-21.78	-	-
12	13.56	12.52	Ca	.2	.1	10	22.82	50	-27.18	-	-
1	.1658	43.62	Qp	0	.1	10	53.72	-	-	65.17	-11.45
3	.249	38.51	Qp	0	0	10	48.51	-	-	61.79	-13.28
5	.3323	33.15	Qp	0	0	10	43.15	-	-	59.39	-16.24
7	1.2885	23.83	Qp	.1	0	10	33.93	-	-	56	-22.07
9	4.5083	27.79	Qp	.2	0	10	37.99	-	-	56	-18.01
11	13.56	10.63	Qp	.2	.1	10	20.93	-	-	60	-39.07

Qp - Quasi-Peak detector
Ca - CISPR average detection

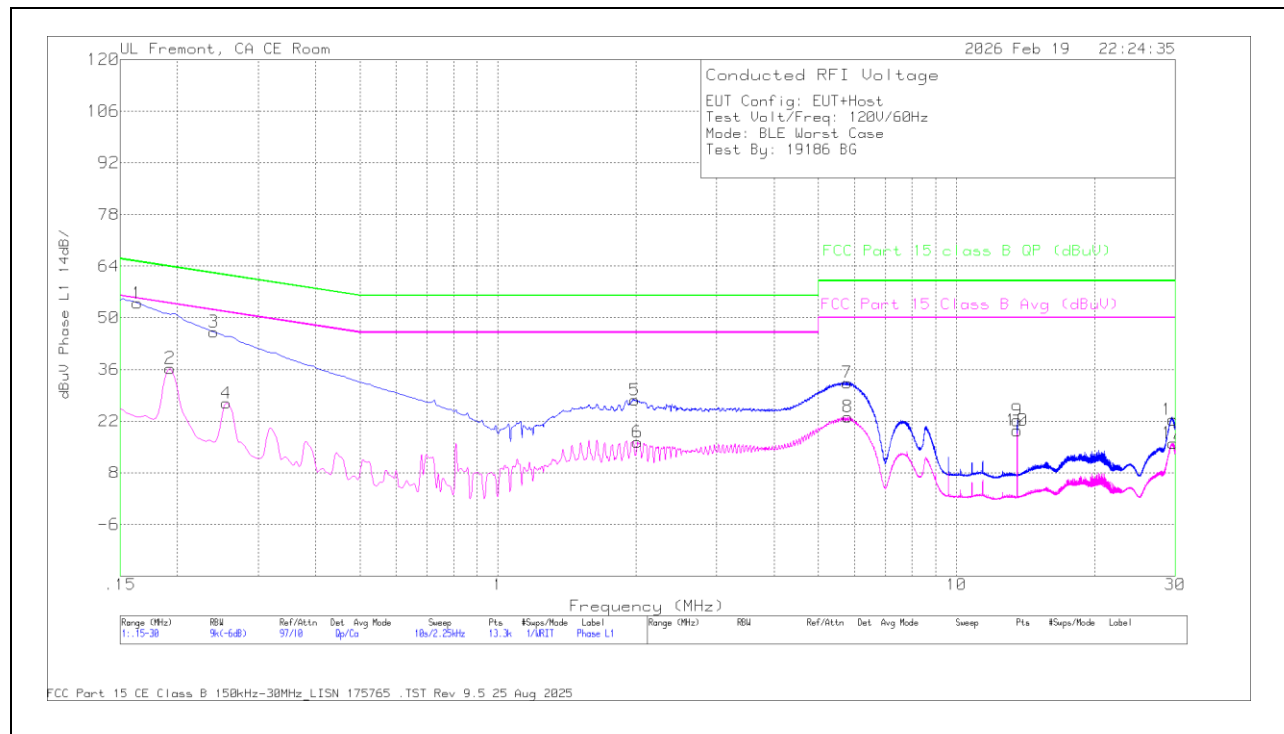
LINE 2 RESULTS**MEASURED DATA**

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)
14	.168	25.53	Ca	0	.1	10	35.63	55.06	-19.43	-	-
16	.2513	19.56	Ca	0	0	10	29.56	51.72	-22.16	-	-
18	.4178	11.18	Ca	0	0	10	21.18	47.49	-26.31	-	-
20	1.2323	6.61	Ca	.1	0	10	16.71	46	-29.29	-	-
22	4.398	11.75	Ca	.1	0	10	21.85	46	-24.15	-	-
24	13.56	-.11	Ca	.2	.1	10	10.19	50	-39.81	-	-
13	.1658	40.67	Qp	0	.1	10	50.77	-	-	65.17	-14.4
15	.2513	36.76	Qp	0	0	10	46.76	-	-	61.72	-14.96
17	.4178	28.75	Qp	0	0	10	38.75	-	-	57.49	-18.74
19	1.2053	22.49	Qp	.1	0	10	32.59	-	-	56	-23.41
21	4.398	27.18	Qp	.1	0	10	37.28	-	-	56	-18.72
23	13.56	6.03	Qp	.2	.1	10	16.33	-	-	60	-43.67

Qp - Quasi-Peak detector
Ca - CISPR average detection

10.2. AC POWER LINE WITH LAPTOP

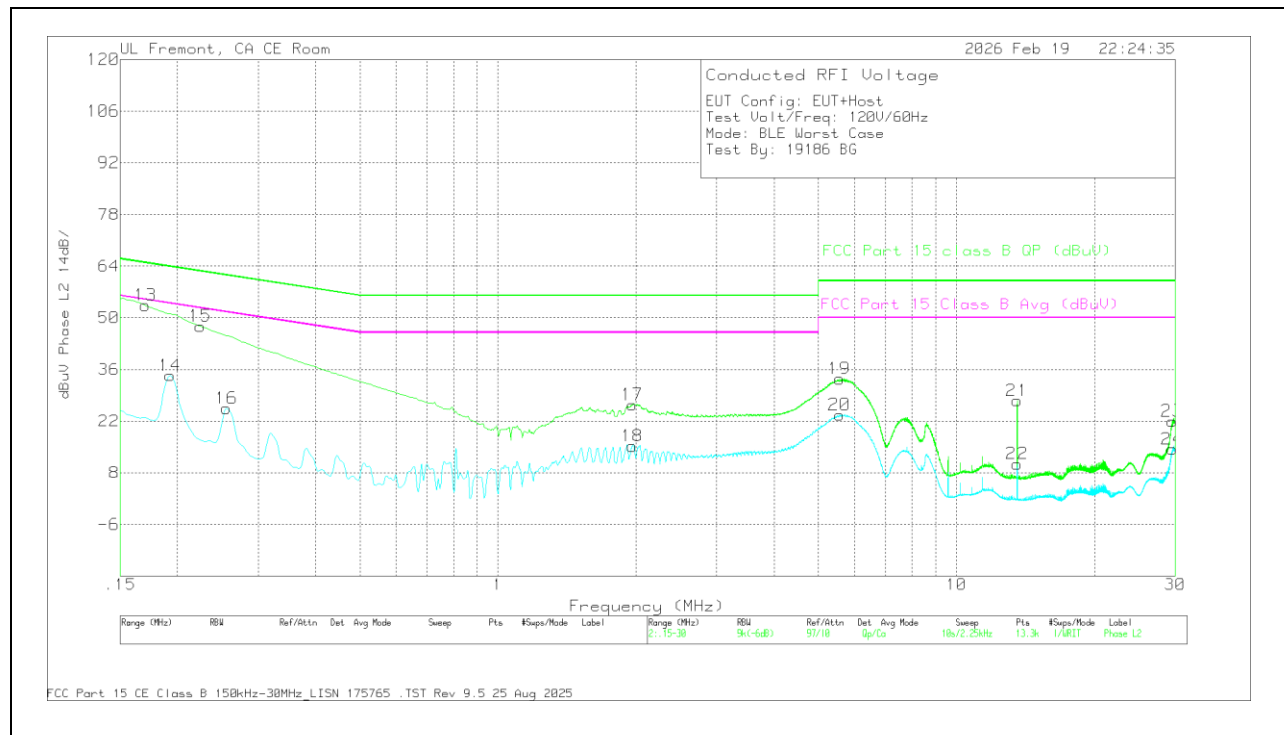
LINE 1 RESULTS



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	.1928	26.22	Ca	0	.1	10	36.32	53.92	-17.6	-	-
4	.2558	16.87	Ca	0	0	10	26.87	51.57	-24.7	-	-
6	2.0153	6.18	Ca	.1	0	10	16.28	46	-29.72	-	-
8	5.7885	12.96	Ca	.2	0	10	23.16	50	-26.84	-	-
10	13.56	9.16	Ca	.2	.1	10	19.46	50	-30.54	-	-
12	29.67	5.28	Ca	.4	.3	10	15.98	50	-34.02	-	-
1	.1635	43.85	Qp	0	.1	10	53.95	-	-	65.28	-11.33
3	.24	36.17	Qp	0	0	10	46.17	-	-	62.1	-15.93
5	1.9883	17.58	Qp	.1	0	10	27.68	-	-	56	-28.32
7	5.7795	22.21	Qp	.2	0	10	32.41	-	-	60	-27.59
9	13.56	11.91	Qp	.2	.1	10	22.21	-	-	60	-37.79
11	29.6723	11.67	Qp	.4	.3	10	22.37	-	-	60	-37.63

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)
14	.1928	24.38	Ca	0	0	10	34.38	53.92	-19.54	-	-
16	.2558	15.46	Ca	0	0	10	25.46	51.57	-26.11	-	-
18	1.9613	5.12	Ca	.1	0	10	15.22	46	-30.78	-	-
20	5.5568	13.48	Ca	.2	0	10	23.68	50	-26.32	-	-
22	13.56	.11	Ca	.2	.1	10	10.41	50	-39.59	-	-
24	29.5688	3.81	Ca	.4	.2	10	14.41	50	-35.59	-	-
13	.1703	43.4	Qp	0	0	10	53.4	-	-	64.95	-11.55
15	.2243	37.74	Qp	0	0	10	47.74	-	-	62.66	-14.92
17	1.9613	16.31	Qp	.1	0	10	26.41	-	-	56	-29.59
19	5.5545	23.25	Qp	.2	0	10	33.45	-	-	60	-26.55
21	13.56	17.21	Qp	.2	.1	10	27.51	-	-	60	-32.49
23	29.5598	11.35	Qp	.4	.2	10	21.95	-	-	60	-38.05

Qp - Quasi-Peak detector
Ca - CISPR average detection

11. SETUP PHOTOS

Please refer to 15982152-EP1V1 for setup photos.

12. SPOT CHECK EVALUATION

12.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3472, A3713, A3714 and A3715. These models are very similar, with only the following differences.

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3472	BCG-E9186A	579C-E9186A	-With FR2 -No LTE B11, B21	eSIM	-
A3713	BCG-E9192A	579C-E9192A	-Without FR2 -Added LTE B11, B21	eSIM	A3472
A3714	BCG-E9193A	579C-E9193A	-Without FR2 -No LTE/5GNR B14, B29, B71 -No LTE B11, B21	eSIM	
A3715	BCG-E9194A	579C-E9194A	-Without FR2 -No LTE/5GNR B14, B29, B71, B53 -No LTE B11, B21, MSS	pSIM+pSIM	

Note:

- All Models use the same System, Cellular and Connectivity radio electrical schematics.
- Removal of LTE/ 5GNR bands on models either done by software or de-population of related components. For models without FR2 may have different antenna gains on certain bands. Please refer to data reuse test plan for details.
- All Models use the same Applications Processor and PMU.
- All Models use the same UICC hardware/software interface.
- All Models run the same Baseband firmware and iOS software.

The spot check plan allows for data reuse from the reference model where the variant model data meets the limits and has not changed by more than the criteria from KDB 484596 D01 v03 equation (4).

$$d_{dBmax}(M_{dB}) = \begin{cases} (3 + M_{dB}/20) \text{ dB} & , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \\ 6 \text{ dB} & , \text{ for } M_{dB} > 60 \text{ dB} \end{cases} \quad (4)$$

Where: d_{dB} deviation from Reference data, V_{dB} variant spot check level, and R_{dB} measurement level

12.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3713

A3713 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3713	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9186A IC : 579C-E9186A	FCC ID : BCG-E9192A IC : 579C-E9192A			
DTS / BLE	2.4	LE2M TxBF	2 Mbps	Output Power (dBm)	High	2.478	23.71	23.65	-0.06	-6.29	Note 1
		HDT8 (ANT 3) High Power	8 Mbps	Radiated Bandedge (dBuV/m)	High	Vertical High Bandedge AVG	51.26	50.55	-0.71	-2.74	Note 1
		Worst Case	CW	RSE (dBuV/m)	Mid	30M-1000MHz Vertical QP	33.29	32.94	-0.35	-6.71	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

12.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3714

A3715 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3714	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9186A IC : 579C-E9186A	FCC ID : BCG-E9193A IC : 579C-E9193A			
DTS/BLE	2.4	LE2M TxBF	2 Mbps	Output Power (dBm)	High	2.478	23.71	23.62	-0.09	-6.29	Note 1
		HDT8 (ANT 3) High Power	8 Mbps	Radiated Bandedge (dBuV/m)	High	Vertical High Bandedge AVG	51.26	49.48	-1.78	-2.74	Note 1
		Worst Case	CW	RSE (dBuV/m)	Mid	30M-1000MHz Vertical QP	33.29	33.82	0.53	-6.71	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

12.4. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3715

A3715 SPOT CHECK RESULTS											
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3715	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9186A IC : 579C-E9186A	FCC ID : BCG-E9194A IC : 579C-E9194A			
DTS/BLE	2.4	LE2M TxBF	2 Mbps	Output Power (dBm)	High	2.478	23.71	23.61	-0.10	-6.29	Note 1
		HDT8 (ANT 3) High Power	8 Mbps	Radiated Bandedge (dBuV/m)	High	Vertical High Bandedge AVG	51.26	49.63	-1.63	-2.74	Note 1
		Worst Case	CW	RSE (dBuV/m)	Mid	30M-1000MHz Vertical QP	33.29	34.20	0.91	-6.71	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.