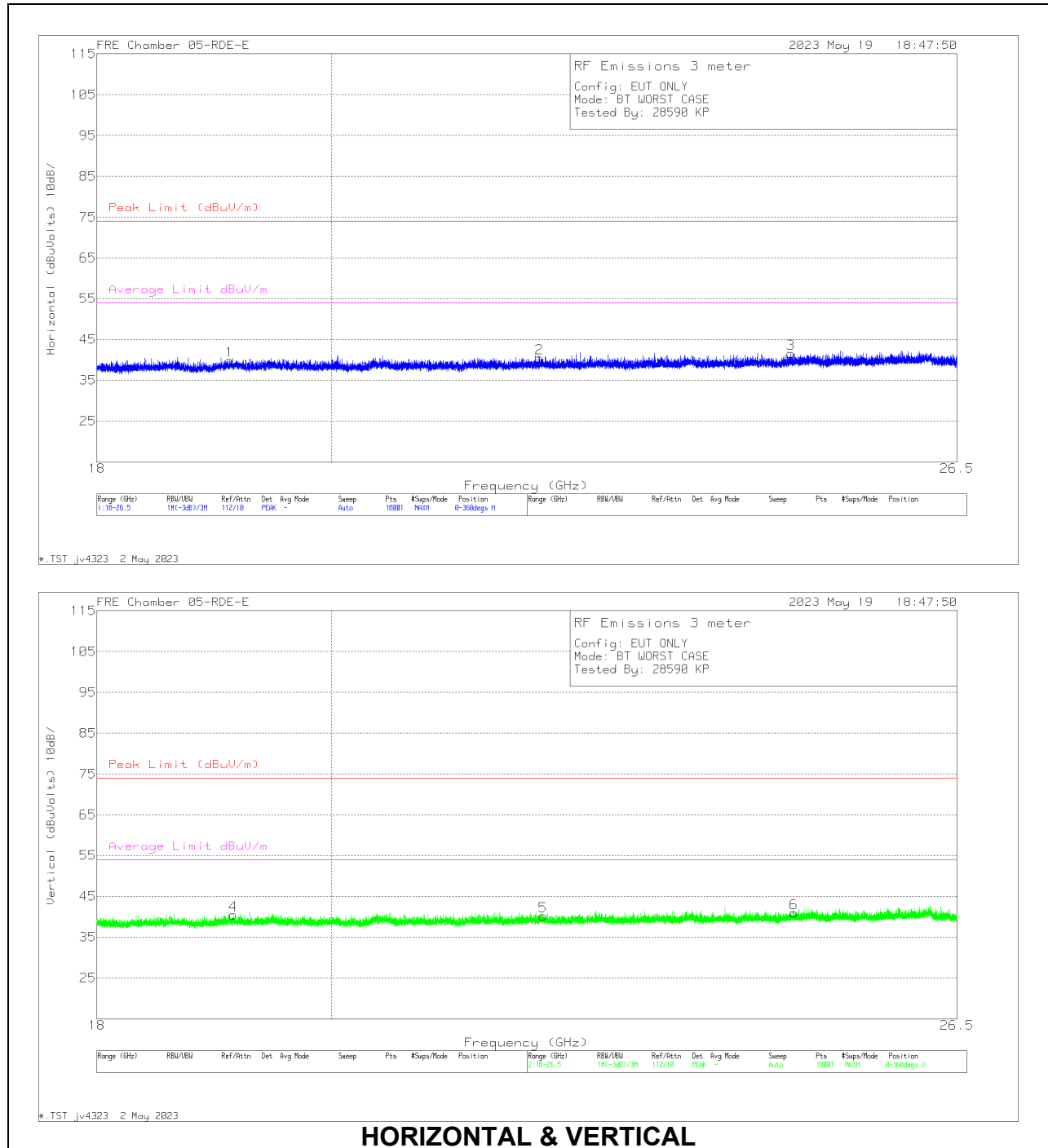


10.3. WORST CASE 18-26 GHZ

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 WITCH	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	19.107361	56.18	Pk	32.4	-61.9	13.2	39.88	74	-34.12	54	-14.12	0-360	101	H
4	19.139472	56.73	Pk	32.4	-61.9	13.2	40.43	74	-33.57	54	-13.57	0-360	200	V
2	21.965248	55.86	Pk	32.9	-62.4	14.1	40.46	74	-33.54	54	-13.54	0-360	101	H
5	22.000193	55.61	Pk	32.9	-62.4	14.1	40.21	74	-33.79	54	-13.79	0-360	101	V
3	24.59033	54.64	Pk	33.5	-61.6	15	41.54	74	-32.46	54	-13.46	0-360	101	H
6	24.628108	54.03	Pk	33.5	-61.6	15	40.93	74	-33.07	54	-13.07	0-360	200	V

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 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.

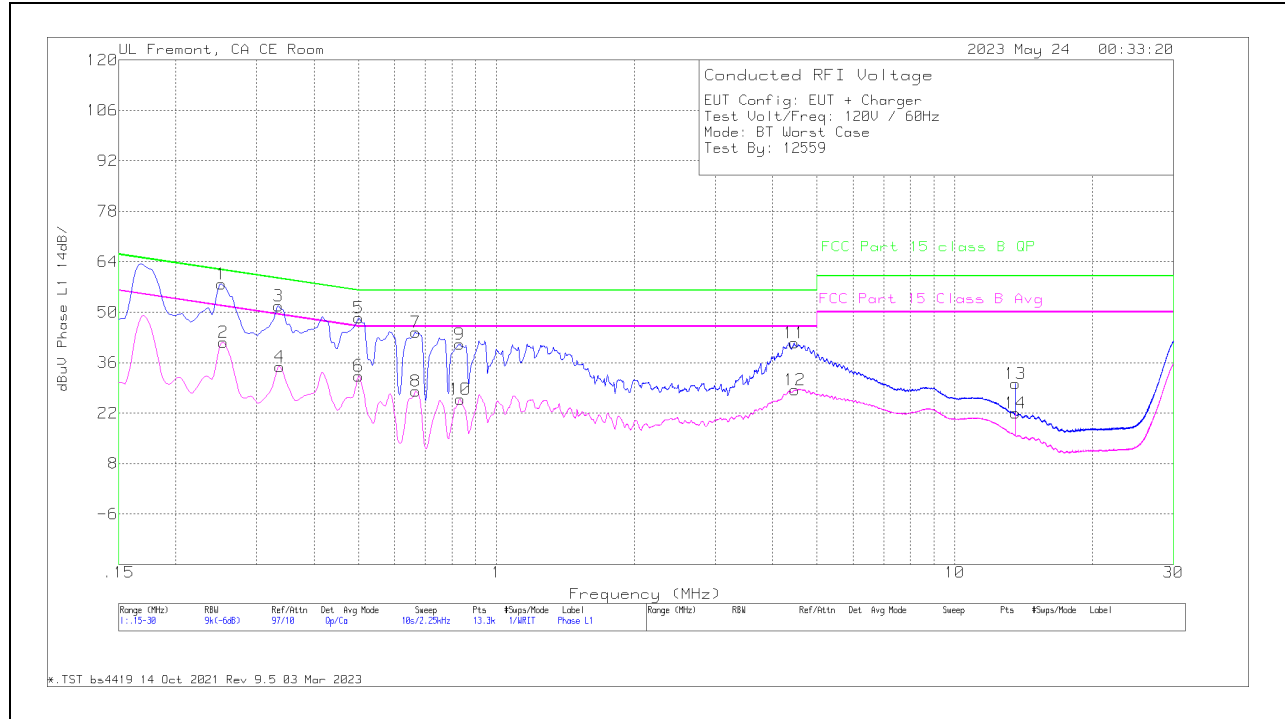
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line With AC/DC Adapter

LINE 1 RESULTS

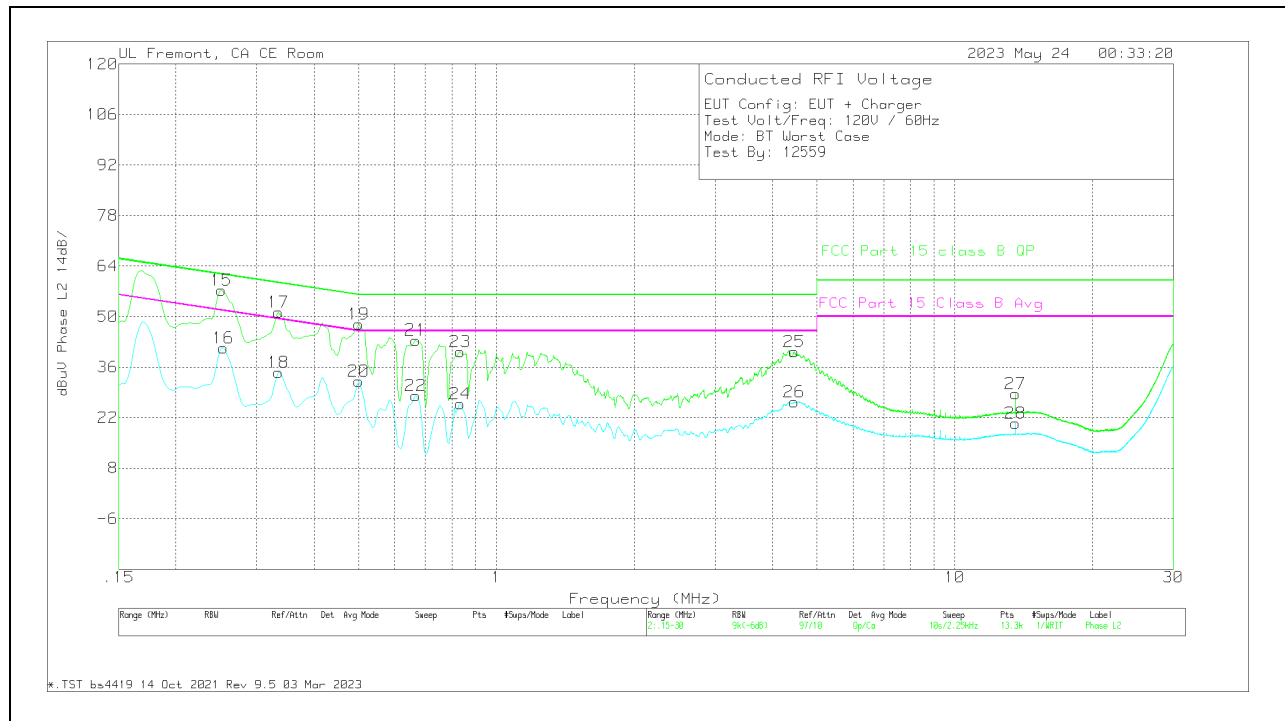


Trace Markers

Range 1: Phase L1 15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	C1&C3 cable path loss (dB)	PRE0186447 LISN L1 (dB)	207996 Limiter with short cabl (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	.2535	22.41	Ca	0	0	9.3	10	41.71	51.64	-9.93	-	-
4	.3368	15.59	Ca	0	0	9.3	10	34.89	49.28	-14.39	-	-
6	.501	12.95	Ca	.1	0	9.3	10	32.35	46	-13.65	-	-
8	.6675	8.63	Ca	.1	0	9.3	10	28.03	46	-17.97	-	-
10	.834	6.39	Ca	.1	0	9.3	10	25.79	46	-20.21	-	-
12	4.4835	8.98	Ca	.1	0	9.3	10	28.38	46	-17.62	-	-
14	13.56	2.47	Ca	.2	.1	9.3	10	22.07	50	-27.93	-	-
1	.2513	38.55	Qp	0	0	9.3	10	57.85	-	-	61.72	-3.87
3	.3345	32.49	Qp	0	0	9.3	10	51.79	-	-	59.34	-7.55
5	.501	29.07	Qp	.1	0	9.3	10	48.47	-	-	56	-7.53
7	.6675	25.08	Qp	.1	0	9.3	10	44.48	-	-	56	-11.52
9	.8318	21.67	Qp	.1	0	9.3	10	41.07	-	-	56	-14.93
11	4.4633	22.05	Qp	.1	0	9.3	10	41.45	-	-	56	-14.55
13	13.56	10.54	Qp	.2	.1	9.3	10	30.14	-	-	60	-29.86

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



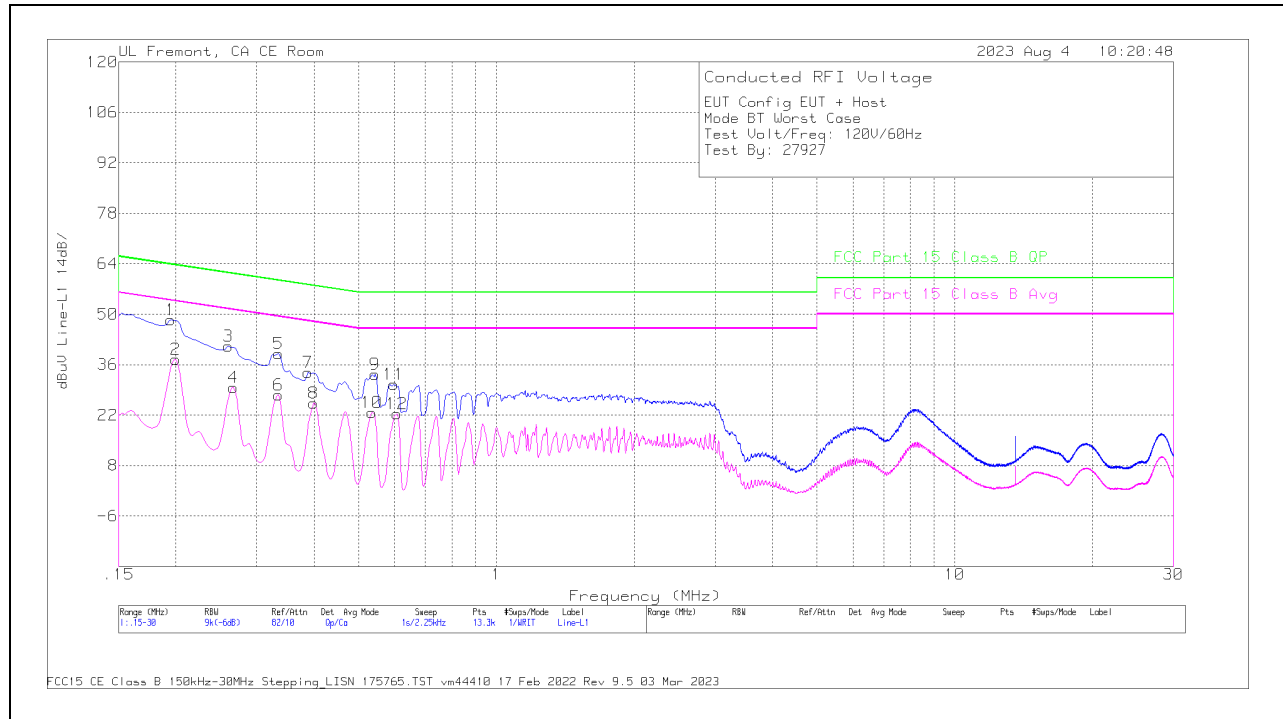
Trace Markers

Range 2: Phase 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)	L2_LISN (dB)	Margin (dB)
16	.2535	21.99	Ca	0	0	9.3	10	41.29	51.64	-10.35	-	-
18	.3345	15.22	Ca	0	0	9.3	10	34.52	49.34	-14.82	-	-
20	.501	12.72	Ca	.1	0	9.3	10	32.12	46	-13.88	-	-
22	.6675	8.69	Ca	.1	0	9.3	10	28.09	46	-17.91	-	-
24	.834	6.5	Ca	.1	0	9.3	10	25.9	46	-20.1	-	-
26	4.47	6.92	Ca	.1	0	9.3	10	26.32	46	-19.68	-	-
28	13.56	.83	Ca	.2	.1	9.3	10	20.43	50	-29.57	-	-
15	.2513	38.04	Qp	0	0	9.3	10	57.34	-	-	61.72	-4.38
17	.3345	31.89	Qp	0	0	9.3	10	51.19	-	-	59.34	-8.15
19	.501	28.48	Qp	.1	0	9.3	10	47.88	-	-	56	-8.12
21	.6675	24.08	Qp	.1	0	9.3	10	43.48	-	-	56	-12.52
23	.834	20.91	Qp	.1	0	9.3	10	40.31	-	-	56	-15.69
25	4.461	20.88	Qp	.1	0	9.3	10	40.28	-	-	56	-15.72
27	13.56	9.03	Qp	.2	.1	9.3	10	28.63	-	-	60	-31.37

Qp - Quasi-Peak detector
 Ca - CISPR average detection

11.2. AC Power Line With Laptop

LINE 1 RESULTS

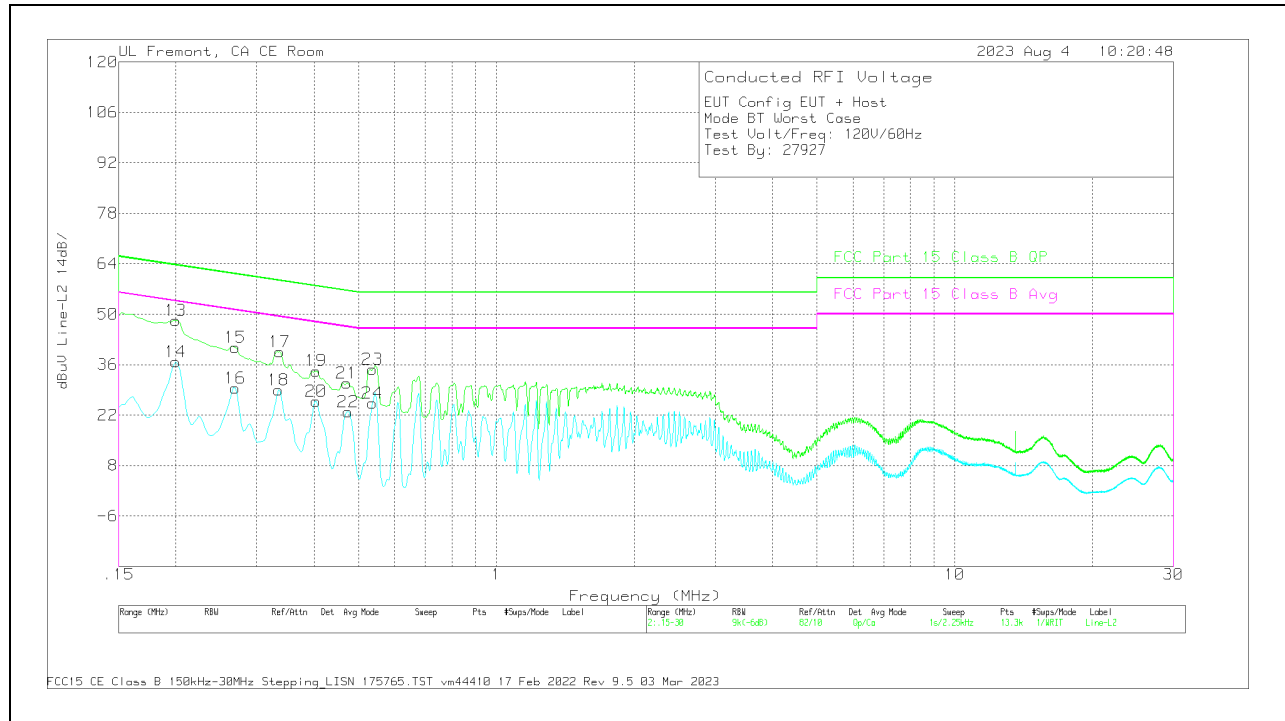


Trace Markers

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 cable (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av (CISPR)Margin (dB)
2	.1995	28.07	Ca	0	0	9.4	37.47	-	-	53.63	-16.16
4	.267	20.44	Ca	0	0	9.3	29.74	-	-	51.21	-21.47
6	.3345	18.21	Ca	0	0	9.3	27.51	-	-	49.34	-21.83
8	.3998	15.94	Ca	0	.1	9.3	25.34	-	-	47.86	-22.52
10	.5348	13.35	Ca	0	.1	9.3	22.75	-	-	46	-23.25
12	.6068	12.98	Ca	0	.1	9.3	22.38	-	-	46	-23.62
1	.195	39.02	Qp	0	0	9.4	48.42	63.82	-15.4	-	-
3	.2603	31.76	Qp	0	0	9.3	41.06	61.42	-20.36	-	-
5	.3345	29.71	Qp	0	0	9.3	39.01	59.34	-20.33	-	-
7	.3885	24.36	Qp	0	.1	9.3	33.76	58.1	-24.34	-	-
9	.5438	23.85	Qp	0	.1	9.3	33.25	56	-22.75	-	-
11	.5978	21.07	Qp	0	.1	9.3	30.47	56	-25.53	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Trace Markers

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) Margin (dB)
14	.1995	27.39	Ca	0	0	9.4	36.79	-	-	53.63	-16.84
16	.2693	20.16	Ca	0	0	9.3	29.46	-	-	51.14	-21.68
18	.3345	19.61	Ca	0	0	9.3	28.91	-	-	49.34	-20.43
20	.4043	16.45	Ca	0	.1	9.3	25.85	-	-	47.77	-21.92
22	.474	13.56	Ca	0	.1	9.3	22.96	-	-	46.44	-23.48
24	.537	15.96	Ca	0	.1	9.3	25.36	-	-	46	-20.64
13	.1995	38.89	Qp	0	0	9.4	48.29	63.63	-15.34	-	-
15	.2693	31.52	Qp	0	0	9.3	40.82	61.14	-20.32	-	-
17	.3368	30.23	Qp	0	0	9.3	39.53	59.28	-19.75	-	-
19	.4043	24.87	Qp	0	.1	9.3	34.27	57.77	-23.5	-	-
21	.4718	21.52	Qp	0	.1	9.3	30.92	56.48	-25.56	-	-
23	.537	25.32	Qp	0	.1	9.3	34.72	56	-21.28	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14523772-EP1V1 for setup photos

END OF TEST REPORT