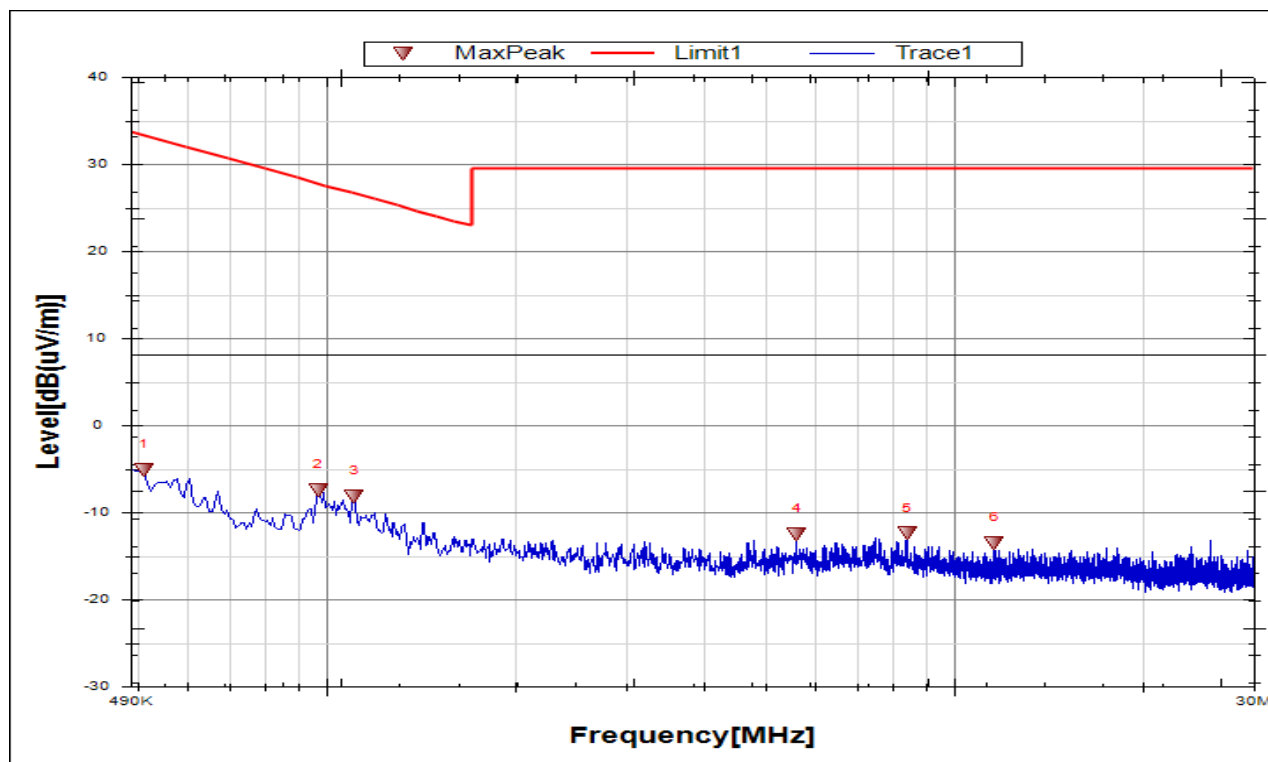


Test Mode	Channel	Frequency Range	Verdict
11B	MCH	490KHz~30MHz	PASS



No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	IC Result (dBuA/m)	IC Limit (dBuA/m)	Margin (dB)	Remark
1	0.5121	16.76	-21.87	-5.11	33.45	-56.61	-18.05	38.56	peak
2	0.9696	14.43	-21.85	-7.42	27.88	-58.92	-23.62	35.3	peak
3	1.1098	13.76	-21.85	-8.09	26.71	-59.59	-24.79	34.8	peak
4	5.6184	9.32	-21.76	-12.44	29.54	-63.94	-21.96	41.98	peak
5	8.415	9.27	-21.67	-12.4	29.54	-63.9	-21.96	41.94	peak
6	11.588	8.13	-21.63	-13.5	29.54	-65	-21.96	43.04	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Result 30m= Result 3m-40 dBuV/m
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report
5. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

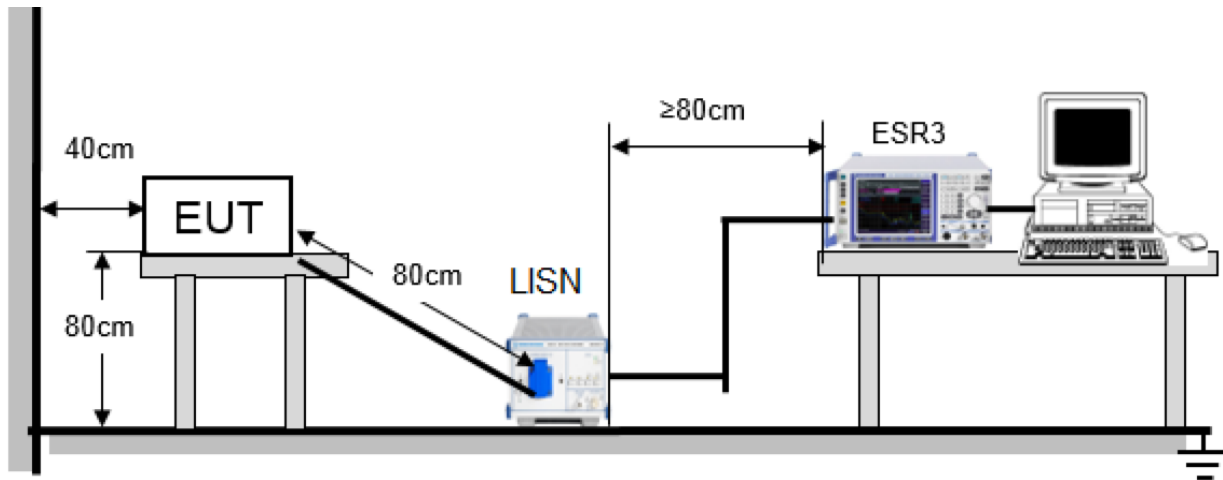
8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a) , ISED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Limit (dBuV)
	Quasi-peak
0.15 -0.5	66 - 56 *
0.50 -5.0	56.00
5.0 -30.0	60.00

TEST SETUP AND PROCEDURE



The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

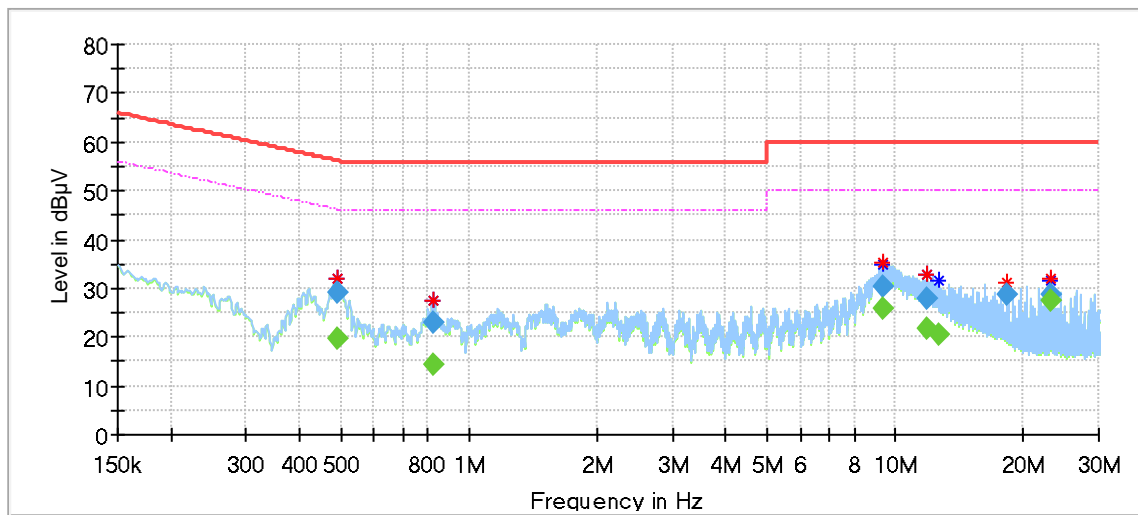
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	41.9%
Atmospheric Pressure:	102.3Kpa
Temperature	22.1

TEST RESULTS (WORST CASE CONFIGURATION)

For L Line:



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.491783	---	19.56	46.14	26.58	1000.0	9.000	L1	OFF	9.7
0.491783	28.94	---	56.14	27.19	1000.0	9.000	L1	OFF	9.7
0.824610	---	14.29	46.00	31.71	1000.0	9.000	L1	OFF	9.6
0.824610	22.77	---	56.00	33.23	1000.0	9.000	L1	OFF	9.6
9.315443	30.46	---	60.00	29.54	1000.0	9.000	L1	OFF	9.5
9.315443	---	26.03	50.00	23.97	1000.0	9.000	L1	OFF	9.5
11.891498	27.73	---	60.00	32.27	1000.0	9.000	L1	OFF	9.4
11.891498	---	21.67	50.00	28.33	1000.0	9.000	L1	OFF	9.4
12.687000	---	20.47	50.00	29.53	1000.0	9.000	L1	OFF	9.4
18.243578	28.53	---	60.00	31.47	1000.0	9.000	L1	OFF	9.7
23.128530	---	27.48	50.00	22.52	1000.0	9.000	L1	OFF	9.8
23.128530	28.75	---	60.00	31.25	1000.0	9.000	L1	OFF	9.8

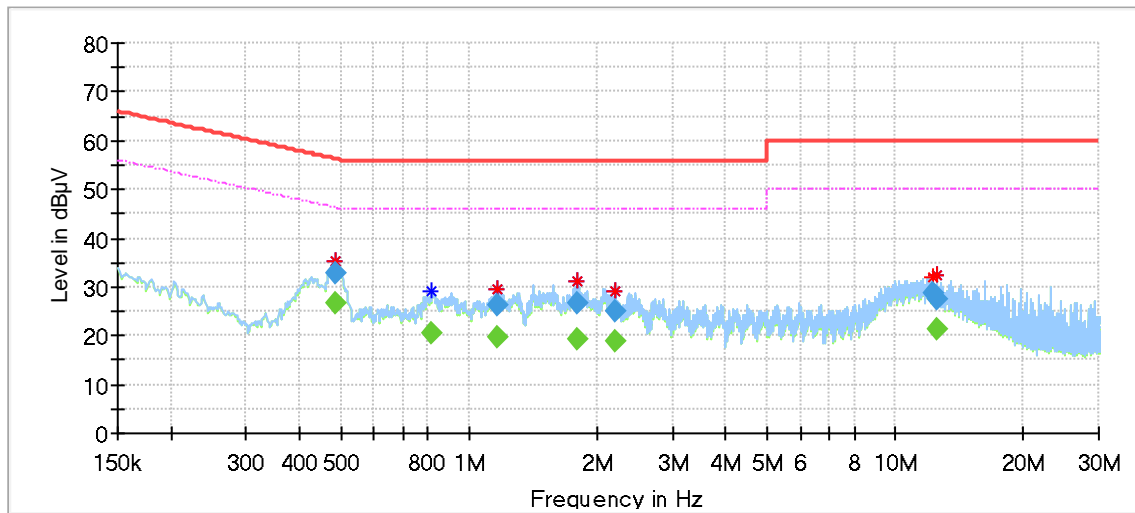
- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the MCH of 11B mode which is the worst case, so only the worst case is included in this test report.

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For N Line:



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.487305	---	26.72	46.21	19.49	1000.0	9.000	N	OFF	9.6
0.487305	32.83	---	56.21	23.38	1000.0	9.000	N	OFF	9.6
0.817148	---	20.41	46.00	25.59	1000.0	9.000	N	OFF	9.5
1.169378	26.08	---	56.00	29.92	1000.0	9.000	N	OFF	9.6
1.169378	---	19.61	46.00	26.39	1000.0	9.000	N	OFF	9.6
1.793243	26.47	---	56.00	29.53	1000.0	9.000	N	OFF	9.5
1.793243	---	19.28	46.00	26.72	1000.0	9.000	N	OFF	9.5
2.203680	---	18.99	46.00	27.01	1000.0	9.000	N	OFF	9.5
2.203680	25.20	---	56.00	30.80	1000.0	9.000	N	OFF	9.5
12.198953	28.54	---	60.00	31.46	1000.0	9.000	N	OFF	9.8
12.501930	---	21.22	50.00	28.78	1000.0	9.000	N	OFF	9.8
12.501930	27.53	---	60.00	32.47	1000.0	9.000	N	OFF	9.8

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the MCH of 11B mode which is the worst case, so only the worst case is included in this test report.

9. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

ANTENNA CONNECTOR

EUT has a EUT with one Monopole Antenna.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT