Table 12 Conducted Disturbance Test Data

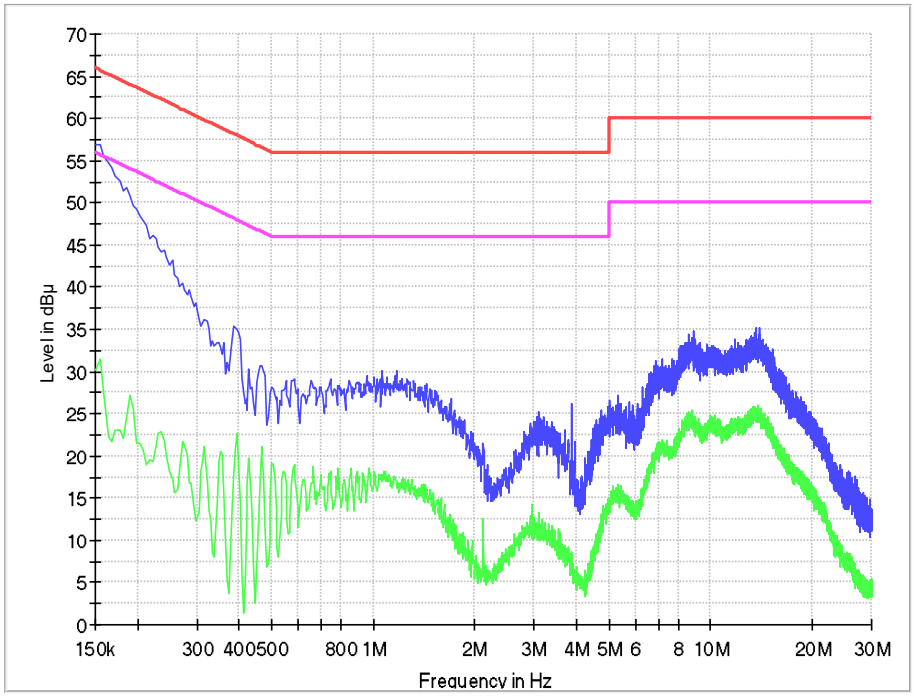
Test mode: Charging and Transmitting								
	Frequency (MHz)	Correction Factor (dB)	Quasi-Peak			Average		
			Reading (dBμV)	Emission Level (dBμV)	Limit (dBμV)	Reading (dBμV)	Emission Level (dBμV)	Limit (dBμV)
Line	0.15	9.7	41.0	50.7	66	18.1	27.8	56
	0.19	9.7	34.0	43.7	64.0	14.2	23.9	54.0
	0.393	9.7	22.1	31.8	58.0	11.4	21.1	48.0
	0.465	9.7	18.0	27.7	56.6	9.1	18.8	46.6
	8.871	10.0	18.9	28.9	60	13.5	23.5	50
	14.028	9.9	20.3	30.2	60	15.3	25.2	50
Neutral	0.159	9.7	39.0	48.7	65.5	17.7	27.4	55.5
	0.177	9.7	36.0	45.7	64.6	15.7	25.4	54.6
	0.213	9.7	30.5	40.2	63.1	11.5	21.2	53.1
	0.352	9.7	20.7	30.4	58.9	12.6	22.3	48.9
	0.424	9.7	20.3	30	57.4	11.8	21.5	47.4
	8.367	10.0	20.4	30.4	60	15.1	25.1	50

REMARKS: 1. Emission level(dBuV)=Read Value(dBuV) + Correction Factor(dB)

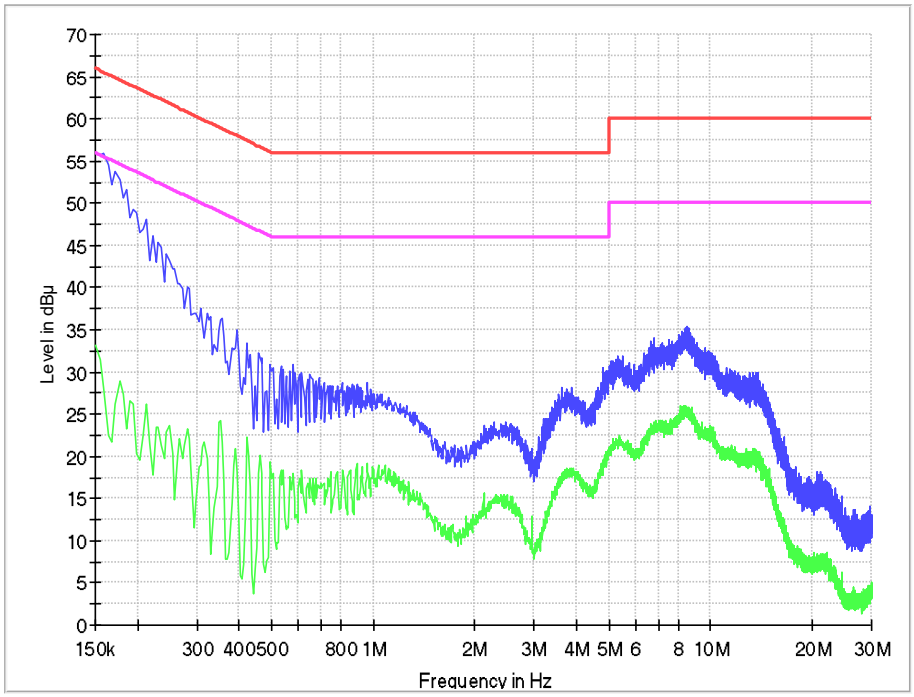
2. Correction Factor(dB) =LISN Factor (dB) + Cable Factor (dB)+Limiter Factor(dB)

3. The other emission levels were very low against the limit.

Line



Neutral



12. ANTENNA REQUIREMENTS

15.203 requirements:
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.
15.247(b) (4) requirements:
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.

12.1. Antenna Connector

Antenna Connector is on the PCB within enclosure and not accessible to user.

12.2. Antenna Gain

U-NII 1(5150~5250 MHz) Ant1 0.97 dBi, Ant2 -0.33 dBi
U-NII 2A(5250~5350 MHz) Ant1 1.61 dBi, Ant2 0.91 dBi
U-NII 2C(5470~5725 MHz) Ant1 0.49 dBi, Ant2 2.15 dBi
U-NII 3(5725~5850 MHz) Ant1 -0.4 dBi, Ant2 1.65 dBi

Per ANSI C63.10-2013 Subclause 14.4.3.

Directional gain = $10\log[(10^{G1/20}+10^{G2/20}+\ldots+10^{GN/20})^2/N_{ANT}]$dBi

U-NII 1(5150~5250 MHz) Directional gain: 3.35 dBi
U-NII 2A(5250~5350 MHz) Directional gain: 4.28 dBi
U-NII 2C(5470~5725 MHz) Directional gain: 4.37 dBi
U-NII 3(5725~5850 MHz) Directional gain: 3.70 dBi

The antenna gain of EUT is less than 6 dBi.

END OF REPORT