



Co-location Report

FCC ID: 2ALGLX1000

APPLICANT: Cassia Networks Inc.

Application Type: Certification

Product: Cassia Bluetooth Router

Model No.: X1000, X1000-10, X1000-20

Brand Name: CASSIA

FCC Classification: Digital Transmission System (DTS)

Test Date: May 15 ~ June 02, 2017

Reviewed By : Jame Yuan
(Jame Yuan)

Approved By : Marlin Chen
(Marlin Chen)



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2013. Test results reported herein relate only to the item(s) tested.

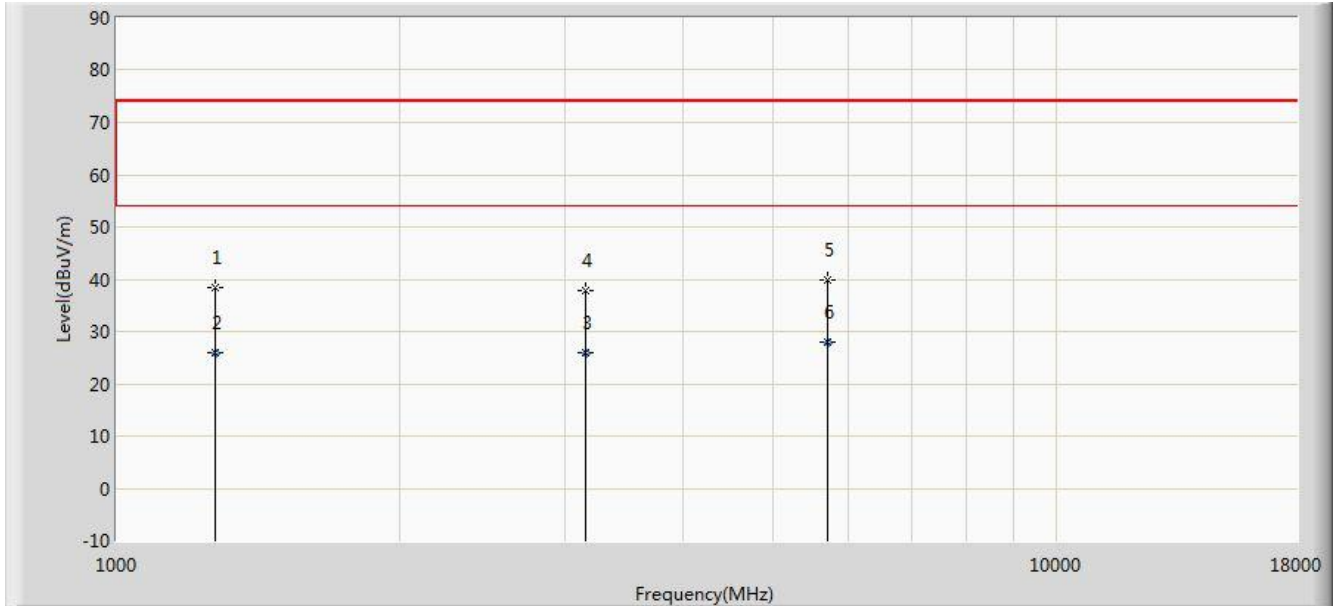
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Revision History

Report No.	Version	Description	Issue Date	Note
1705RSU01204	Rev. 01	Initial report	06-02-2017	Valid

1. TEST RESULT of Radiated Emissions for Co-located

Test Mode:	2.4GHz Wi-Fi + 2.4GHz BLE Transmit	Test Site:	AC1
Test Engineer:	Roy	Polarity:	Horizontal
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



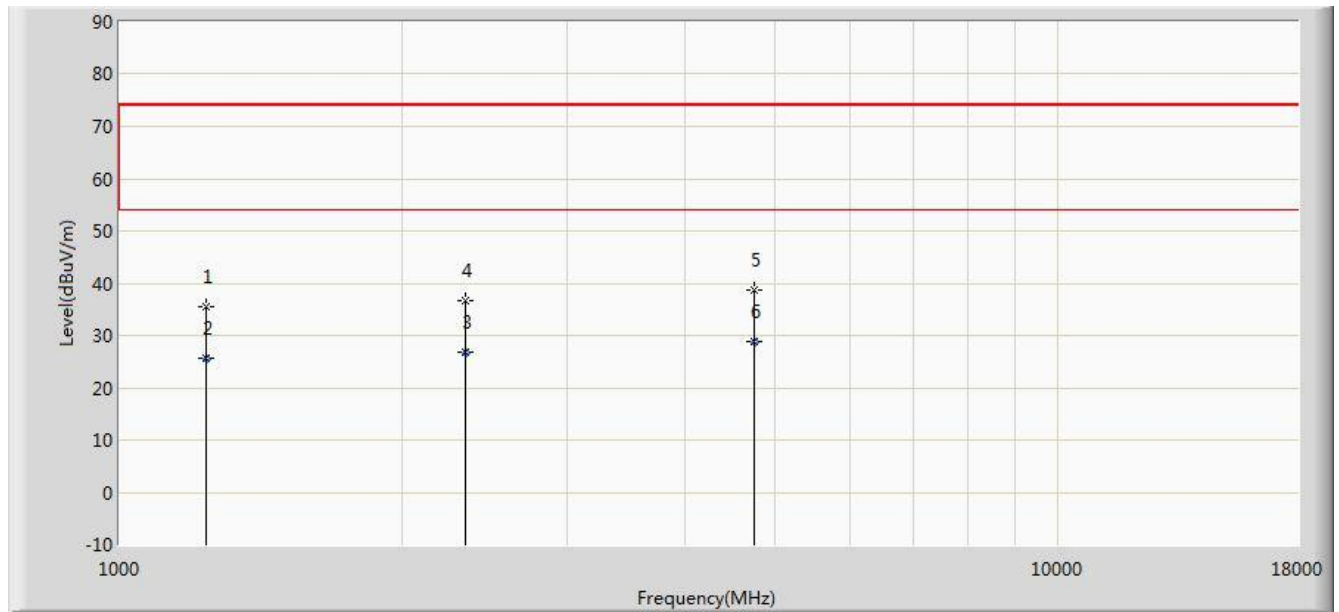
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			1272.000	38.277	46.666	-35.723	74.000	-8.389	PK
2			1272.192	25.911	34.299	-28.089	54.000	-8.388	AV
3			3150.273	25.866	27.398	-28.134	54.000	-1.533	AV
4			3150.500	37.809	39.342	-36.191	74.000	-1.533	PK
5			5700.500	39.718	35.999	-34.282	74.000	3.719	PK
6		*	5700.828	27.923	24.203	-26.077	54.000	3.720	AV

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB).

Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS reports.

Test Mode:	2.4GHz Wi-Fi + 2.4GHz BLE Transmit	Test Site:	AC1
Test Engineer:	Roy	Polarity:	Vertical
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			1238.000	35.611	44.293	-38.389	74.000	-8.682	PK
2			1238.129	25.618	34.299	-28.382	54.000	-8.681	AV
3			2334.283	26.671	30.287	-27.329	54.000	-3.616	AV
4			2334.500	36.767	40.384	-37.233	74.000	-3.617	PK
5			4748.500	38.628	36.084	-35.372	74.000	2.544	PK
6		*	4748.663	28.944	26.399	-25.056	54.000	2.545	AV

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB).

Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS reports.

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