



## Co-location Report

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**FCC ID:** 2ALGLE1000  
**IC:** 22505-E1000  
**APPLICANT:** Cassia Networks Inc.

**Application Type:** Certification  
**Product:** Cassia Bluetooth Router  
**Model No.:** E1000, E1000-10, E1000-20  
**Brand Name:** CASSIA  
**FCC Classification:** Digital Transmission System (DTS)  
Unlicensed National Information Infrastructure (NII)  
**Test Date:** November 24 ~ December 13, 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.

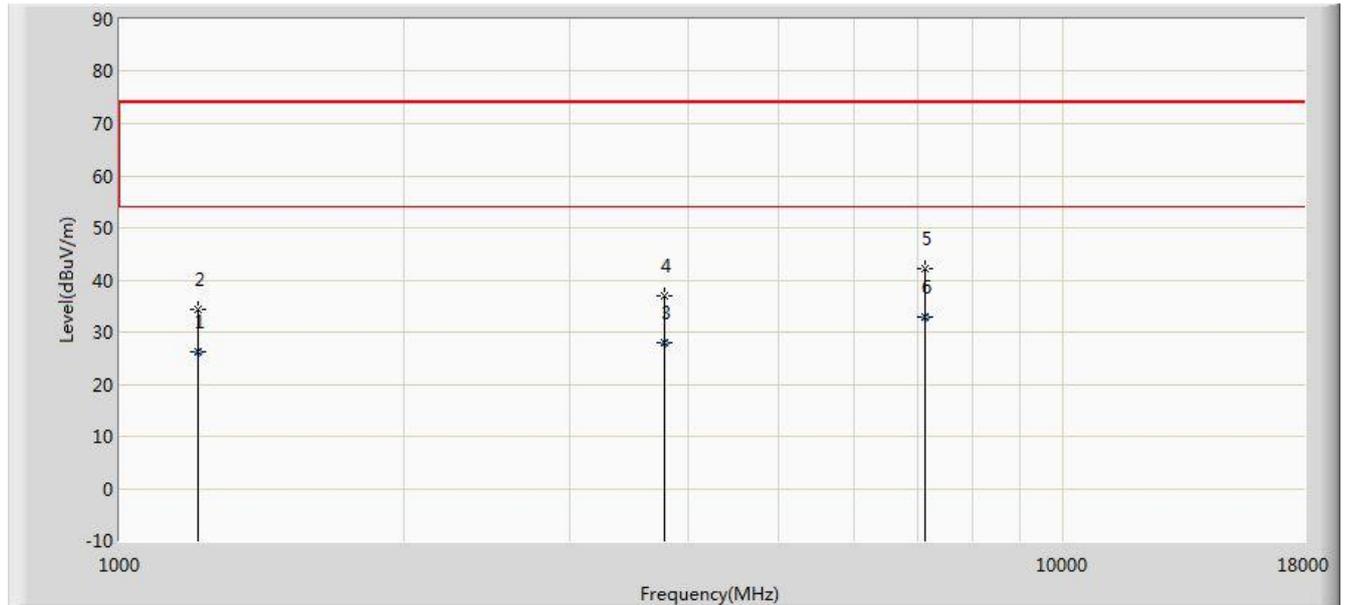
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## Revision History

Report No.	Version	Description	Issue Date	Note
1711RSU04004	Rev. 01	Initial report	12-13-2017	Valid

## 1. TEST RESULT of Radiated Emissions for Co-located

Test Mode:	2.4GHz Wi-Fi + 2.4GHz Bluetooth Transmit	Test Site:	AC1
Test Engineer:	Roy Cheng	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.		



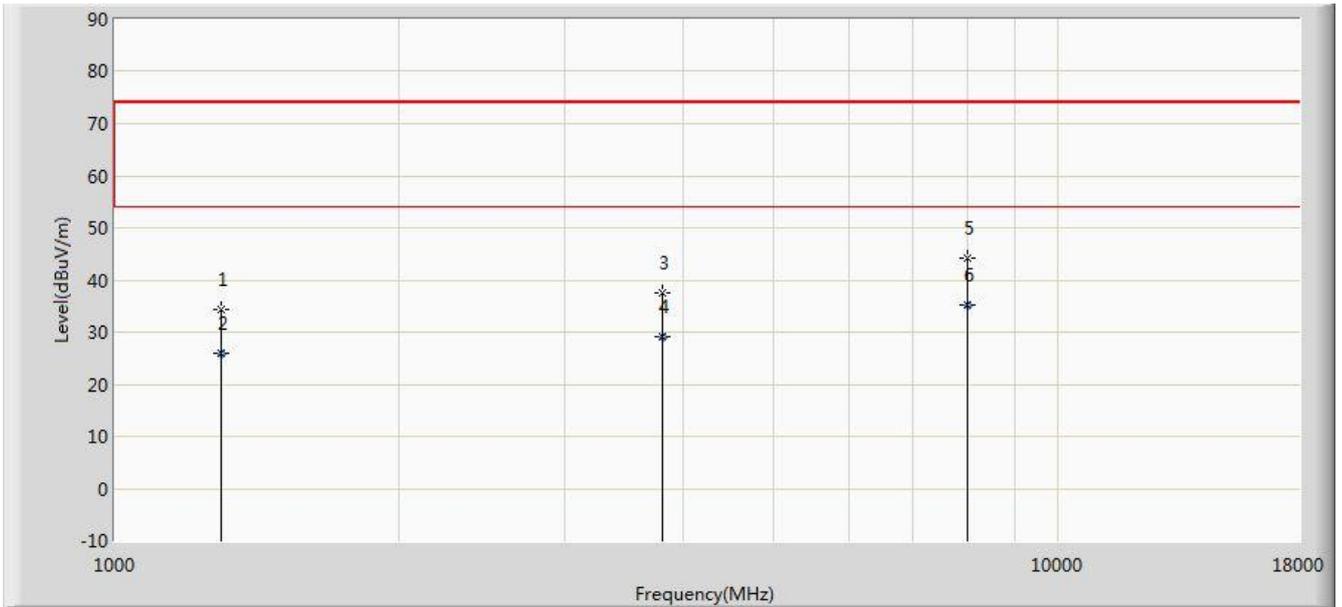
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			1212.463	26.252	35.299	-27.748	54.000	-9.048	AV
2			1212.500	34.275	43.322	-39.725	74.000	-9.046	PK
3			3779.263	28.110	28.398	-25.890	54.000	-0.289	AV
4			3779.500	37.073	37.360	-36.927	74.000	-0.286	PK
5			7145.500	42.099	34.382	-31.901	74.000	7.717	PK
6		*	7145.627	33.015	25.298	-20.985	54.000	7.717	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 Wi-Fi and 2.4GHz BLE worst-case mode of radiated spurious emissions in the DTS reports.

Test Mode:	2.4GHz Wi-Fi + 2.4GHz Bluetooth Transmit	Test Site:	AC1
Test Engineer:	Roy Cheng	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			1297.500	34.250	42.512	-39.750	74.000	-8.262	PK
2			1297.632	26.022	34.283	-27.978	54.000	-8.262	AV
3			3805.000	37.655	37.849	-36.345	74.000	-0.194	PK
4			3805.883	29.198	29.388	-24.802	54.000	-0.189	AV
5			8021.000	44.323	35.603	-29.677	74.000	8.720	PK
6		*	8021.128	35.115	26.395	-18.885	54.000	8.720	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 Wi-Fi and 2.4GHz BLE worst-case mode of radiated spurious emissions in the DTS reports.

The End