



Co-location Report

FCC ID: 2ALGLS2000
IC: 22505-S2000
APPLICANT: Cassia Networks Inc.

Application Type: Certification
Product: Cassia Bluetooth Router
Model No.: S2000, S2000-10, S2000-20
Brand Name: CASSIA
FCC Classification: Digital Transmission System (DTS)
Test Date: April 02, 2018

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.

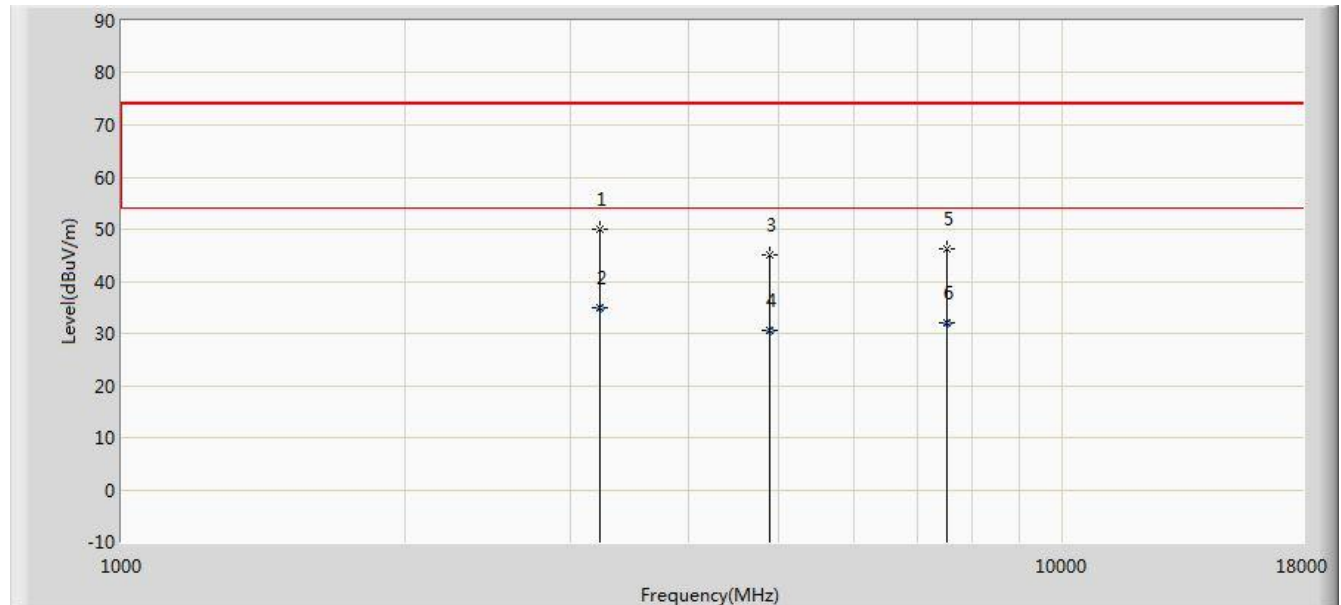
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Revision History

Report No.	Version	Description	Issue Date	Note
1803RSU028-U3	Rev. 01	Initial report	04-17-2018	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:	Dandy Li	Polarity:	Horizontal
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report.		



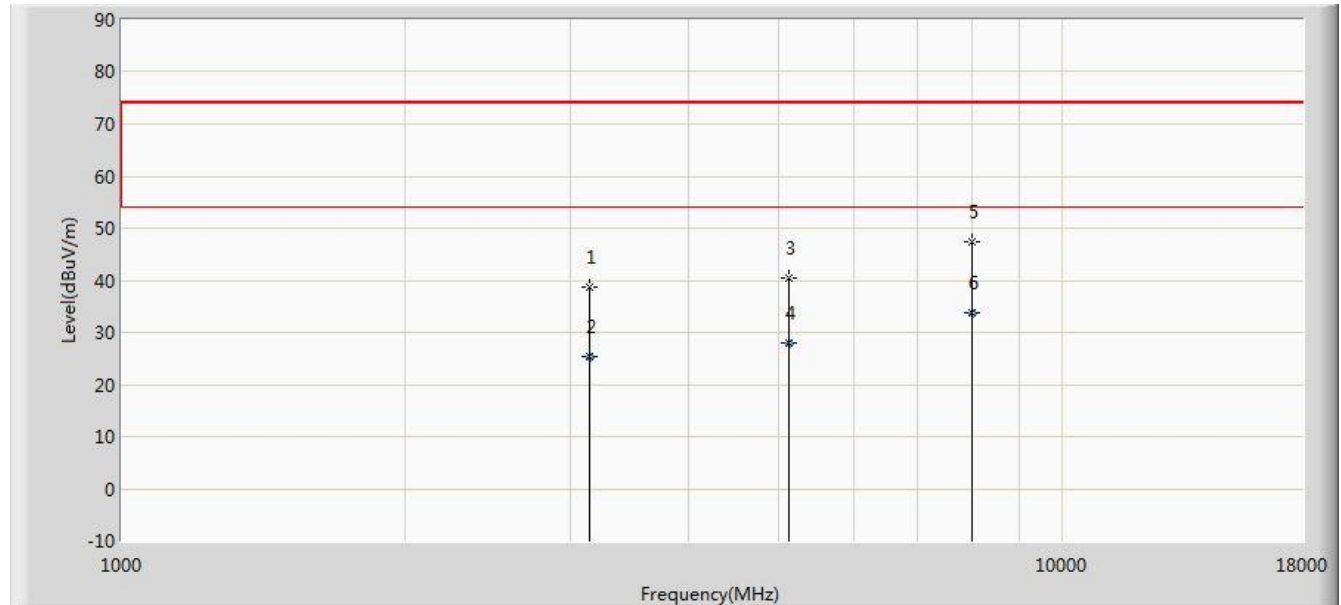
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3218.500	50.132	49.576	-23.868	74.000	0.556	PK
2		*	3218.500	35.013	34.457	-18.987	54.000	0.556	AV
3			4893.000	45.031	39.499	-28.969	74.000	5.532	PK
4			4893.000	30.706	25.174	-23.294	54.000	5.532	AV
5			7528.000	46.097	31.607	-27.903	74.000	14.490	PK
6			7528.000	32.074	17.584	-21.926	54.000	14.490	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 802.11b Channel 2437MHz and 2.4GHz Bluetooth LE Channel 2402MHz 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:	Dandy Li	Polarity:	Vertical
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, 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			3142.000	38.615	38.093	-35.385	74.000	0.522	PK
2			3142.000	25.263	24.741	-28.737	54.000	0.522	AV
3			5114.000	40.563	34.414	-33.437	74.000	6.149	PK
4			5114.000	28.033	21.884	-25.967	54.000	6.149	AV
5			8012.500	47.358	32.543	-26.642	74.000	14.815	PK
6		*	8012.500	33.751	18.936	-20.249	54.000	14.815	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 802.11b Channel 2437MHz and 2.4GHz Bluetooth LE Channel 2402MHz worst-case mode of radiated spurious emissions in the DTS reports.

The End