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)

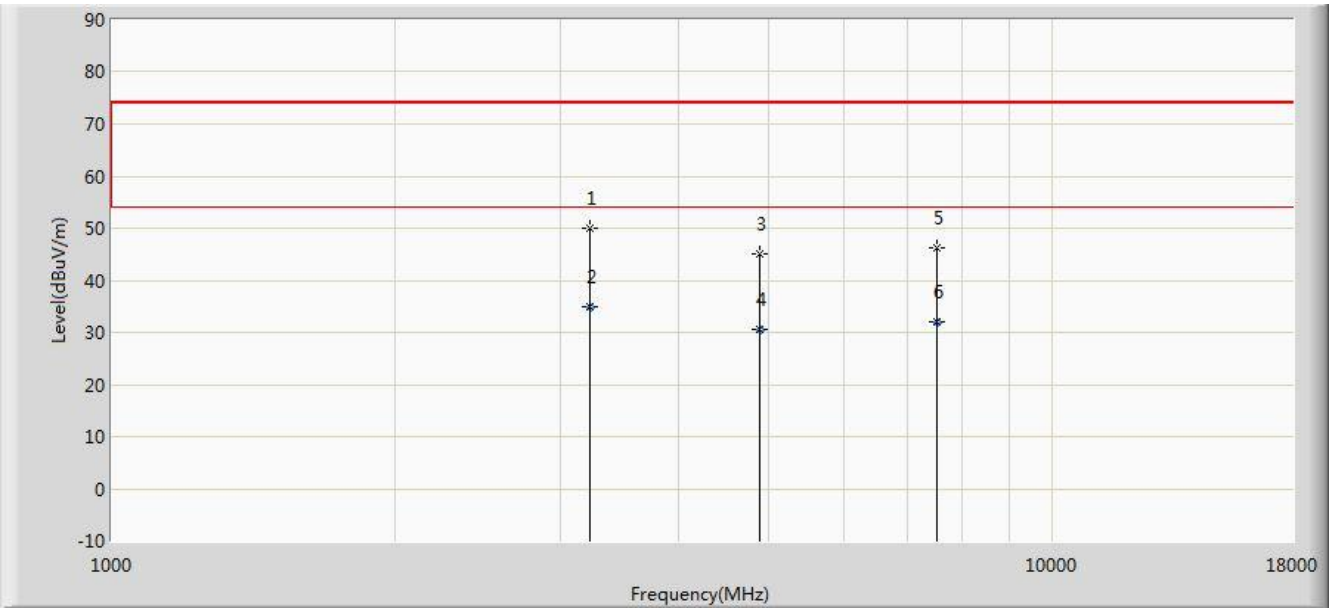
Approved By : Marlin Chen
(Marlin Chen)

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.		



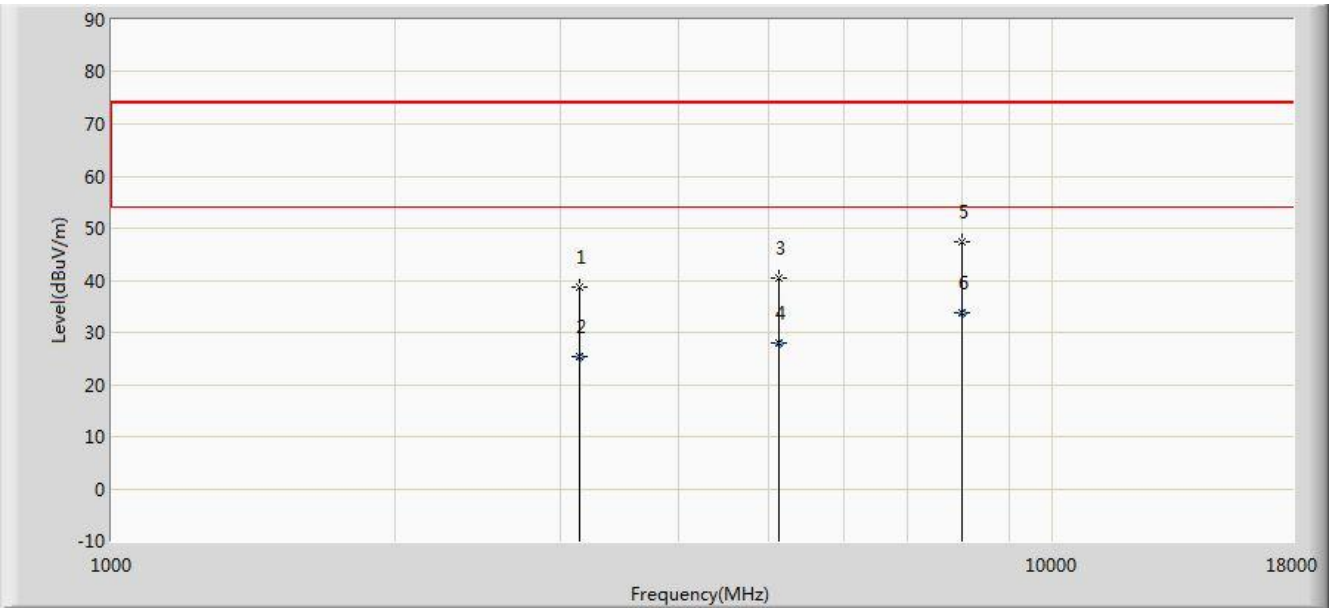
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3218.500	50.132	49.576	-23.868	74.000	0.556	PK
2		*	3218.500	35.013	34.457	-18.987	54.000	0.556	AV
3			4893.000	45.031	39.499	-28.969	74.000	5.532	PK
4			4893.000	30.706	25.174	-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 (dBμV/m) = Reading Level (dBμV) + 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 (dBμV/m) = Reading Level (dBμV) + 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