



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.

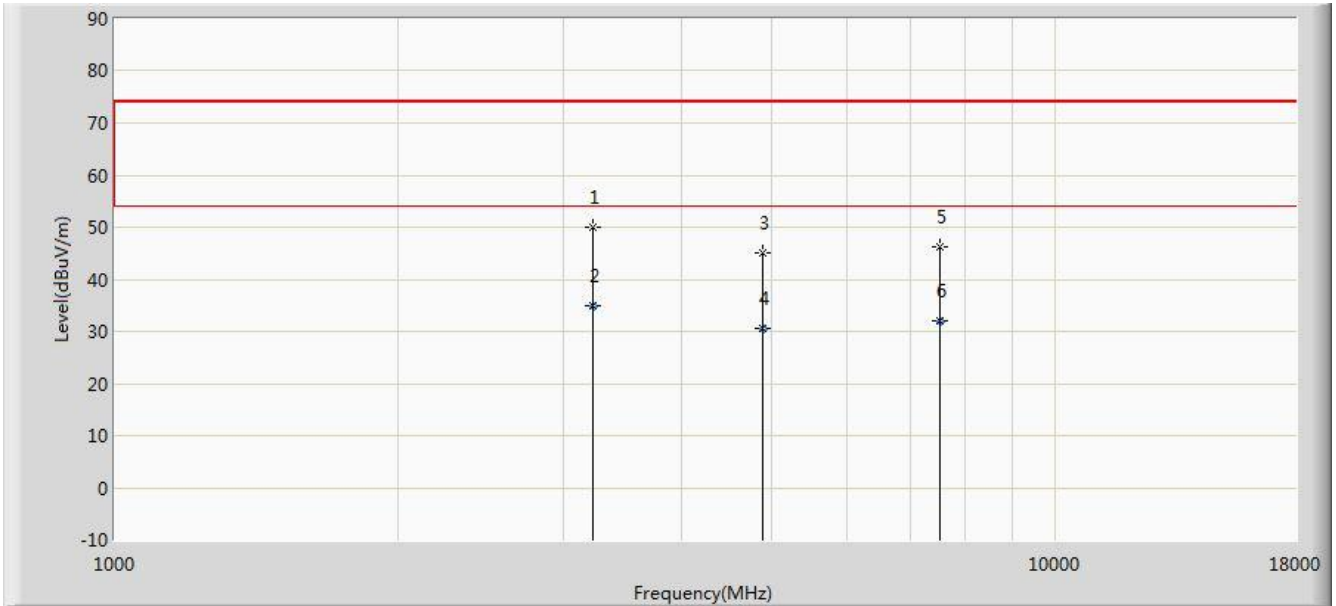
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Revision History

| 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. | | |



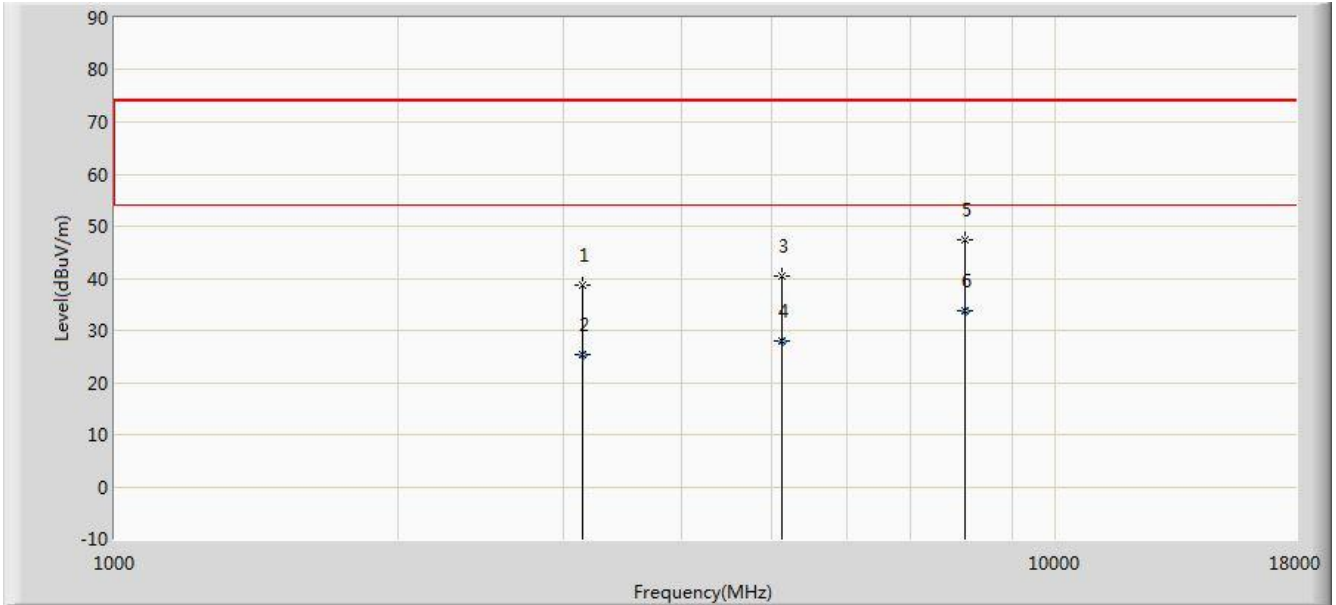
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | | | 3218.500 | 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.

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