



## Co-location Report

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**FCC ID:** 2ABLK-8X4G-1

**APPLICANT:** Calix Inc.

**Application Type:** Certification

**Product:** WIFI dual band 4 GE LAN GPON HGU

**Model No.:** 844G-1, 854G-1

**Brand Name:** Calix

**FCC Classification:** Digital Transmission System (DTS)

Unlicensed National Information Infrastructure (UNII)

**Test Date:** July 11 ~ 28, 2014

Reviewed By : Robin Wu  
( Robin Wu )

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 C63.4-2009. Test results reported herein relate only to the item(s) tested.

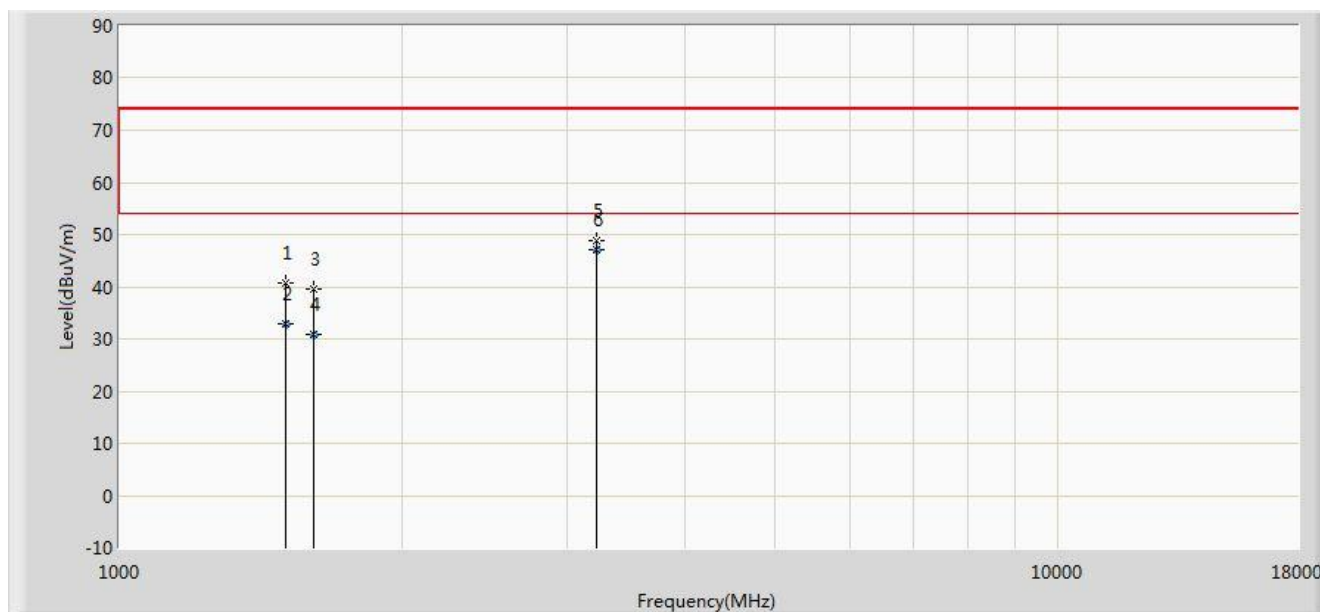
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## Revision History

| Report No.   | Version | Description    | Issue Date |
|--------------|---------|----------------|------------|
| 1407RSU01404 | Rev. 01 | Initial report | 08-06-2014 |
|              |         |                |            |

## 1. Test Result of Radiated Emissions for Co-located

|                |  |            |            |
|----------------|--|------------|------------|
| Test Mode:     | 2.4GHz + 5GHz 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. |            |            |

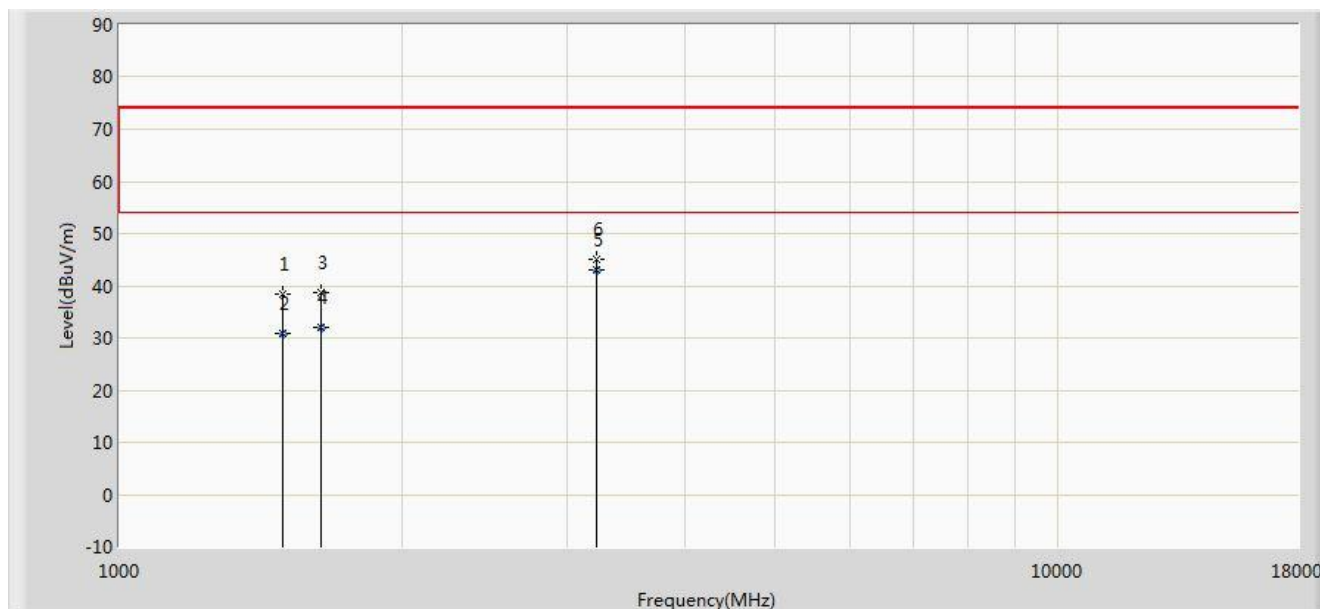


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 1501.500        | 40.743                 | 42.042               | -33.257         | 74.000         | -1.299      | PK   |
| 2  |      |      | 1501.560        | 32.916                 | 34.215               | -21.084         | 54.000         | -1.299      | AV   |
| 3  |      |      | 1612.000        | 39.510                 | 40.589               | -34.490         | 74.000         | -1.079      | PK   |
| 4  |      | *    | 1612.022        | 30.975                 | 32.054               | -23.025         | 54.000         | -1.079      | AV   |
| 5  |      |      | 3218.500        | 48.939                 | 45.456               | -25.061         | 74.000         | 3.483       | PK   |
| 6  |      |      | 3218.530        | 47.029                 | 43.547               | -6.971          | 54.000         | 3.483       | AV   |

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

|                |  |            |          |
|----------------|--|------------|----------|
| Test Mode:     | 2.4GHz + 5GHz 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  |      | *    | 1493.000        | 38.427                 | 39.740               | -35.573         | 74.000         | -1.313      | PK   |
| 2  |      |      | 1493.320        | 30.741                 | 32.054               | -23.259         | 54.000         | -1.313      | AV   |
| 3  |      |      | 1637.500        | 38.626                 | 39.685               | -35.374         | 74.000         | -1.058      | PK   |
| 4  |      |      | 1637.523        | 32.061                 | 33.120               | -21.939         | 54.000         | -1.058      | AV   |
| 5  |      |      | 3218.421        | 42.943                 | 39.460               | -11.057         | 54.000         | 3.482       | AV   |
| 6  |      |      | 3218.500        | 45.011                 | 41.528               | -28.989         | 74.000         | 3.483       | PK   |

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

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