

## 1.1. Test Result of RF Exposure Evaluation

- . Product: BCM3379 Wireless eMTA For Modular:802.11b/g/n WLAN
- Test Item: RF Exposure Evaluation Data
- . Test site: OATS
- . Test Mode: Normal Operation

1.1.1. Antenna Gain The maximum Gain is 2.0 dBi.

1.1.2. EUT Operation condition

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

1.1.3. Output Power into Antenna & RF Exposure Evaluation Distance

Modulation Standard: DSSS

Test Date: Jul 18, 2010 Temperature:24°C Humidity: 60%

**TX B MODE CH01, CH06, CH11**

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2.0	1.5849	16.21	41.7830	0.01318106	1	Complies
2.0	1.5849	16.18	41.4954	0.01309032	1	Complies
<b>2.0</b>	<b>1.5849</b>	<b>16.35</b>	<b>43.1519</b>	<b>0.01361289</b>	<b>1</b>	<b>Complies</b>

Modulation Standard: OFDM

Test Date: Jul 18, 2010 Temperature:24°C Humidity: 60%

**TX G MODE CH01, CH06, CH11**

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2.0	1.5849	15.03	31.8420	0.01004501	1	Complies
2.0	1.5849	15.16	32.8095	0.01035024	1	Complies
<b>2.0</b>	<b>1.5849</b>	<b>15.22</b>	<b>33.2660</b>	<b>0.01049422</b>	<b>1</b>	<b>Complies</b>

Modulation Standard: OFDM

Test Date: Jul 18, 2010 Temperature: 24°C Humidity: 60%

**TX N-20M MODE CH01, CH06, CH11**

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2.0	1.5849	14.56	28.5759	0.00901468	1	Complies
2.0	1.5849	14.41	27.6058	0.00870864	1	Complies
<b>2.0</b>	<b>1.5849</b>	<b>14.63</b>	<b>29.0402</b>	<b>0.00916116</b>	<b>1</b>	<b>Complies</b>

Modulation Standard: OFDM

Test Date: Jul 18, 2010 Temperature: 24°C Humidity: 60%

**TX N-40M MODE CH03, CH06, CH09**

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2.0	1.5849	12.45	17.5792	0.00554562	1	Complies
2.0	1.5849	12.36	17.2187	0.00543188	1	Complies
<b>2.0</b>	<b>1.5849</b>	<b>12.58</b>	<b>18.1134</b>	<b>0.00571413</b>	<b>1</b>	<b>Complies</b>

The max out EIRP output power of this device is 0.01361289 mW/cm<sup>2</sup> which is below the threshold Level of 1 mW/cm<sup>2</sup> for SAR requirements, So, RF exposure limit warning or SAR test are not required.

a For 2412~2462 MHz, the EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.