1.1. Test Result of RF Exposure Evaluation

. Product: BCM3380Z D3.0 Wireless eMTAExtension Cradle

Test Item: RF Exposure Evaluation Data

.Test Mode: Normal Operation

1.1.1. Antenna Gain

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Length (mm)
1	WHA YU	C107-510708-A	Metal PIFA	U.FL	2.7	150mm
2	WHA YU	C107-510709-A	Metal PIFA	U.FL	3.7	120mm

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: Sep 6, 2010 Temperature:24℃ Humidity: 60%

Channel Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2412	2.7	1.8621	21.5200	141.9058	0.052596	1	Complies
2437	**2.7**	**1.8621**	**22.6800**	**182.3532**	**0.068699**	**1**	**Complies**
2462	2.7	1.8621	21.0200	126.4736	0.046876	1	Complies

Modulation Standard: OFDM
Test Date: Sep 6, 2010 Temperature:24℃ Humidity: 60%

Channel Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2412	2.7	1.8621	18.5600	71.7794	0.026604	1	Complies
2437	**2.7**	**1.8621**	**18.7700**	**75.3356**	**0.027922**	**1**	**Complies**
2462	2.7	1.8621	18.0200	63.3870	0.023494	**1**	**Complies**

Modulation Standard: OFDM-20MHz (Total Ant.1+Ant.2)
Test Date: Sep 6, 2010 Temperature:24℃ Humidity: 60%

Channel Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2412	6.4	4.3652	20.94	124.1652	0.107882	1	Complies
2437	**6.4**	**4.3652**	**21.35**	**136.4583**	**0.118563**	**1**	**Complies**
2462	6.4	4.3652	21.30	134.8963	0.117206	1	Complies

Modulation Standard: OFDM-40MHz (Total Ant.1+Ant.2)
Test Date: Sep 6, 2010 Temperature:24℃ Humidity: 60%

Channel Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2422	6.4	4.3652	21.42	138.6756	0.120490	1	Complies
2437	**6.4**	**4.3652**	**21.50**	**141.2538**	**0.122730**	**1**	**Complies**
2457	6.4	4.3652	21.28	134.2765	0.116668	1	Complies

The MPE is calculated as **0.122730** mW/cm^2 < limit 1 mW/cm^2. 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.