

1.1. Test Result of RF Exposure Evaluation

- . Product: HotPort Wireless Mesh Node
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

The maximum Gain is 4.0 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

Frequency Range: 5.15-5.35 GHz

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69%

Transmit Rate: 6Mbps Atmospheric pressure: 1028mmHg

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	5180	15.77	0.0190
04	5240	15.83	0.0190
05	5260	15.88	0.0190
08	5320	15.93	0.0200

Frequency Range: 5.725-5.850 GHz

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69%

Transmit Rate: 6Mbps Atmospheric pressure: 1028mmHg

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
03	5745	18.45	0.0350
11	5785	17.72	0.0300
13	5825	17.18	0.0260

The MPE is calculated as $0.350 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.