

Test Result of RF Exposure Evaluation

- . Product: Wireless Barcode Scanner
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD

Antenna Gain

Frequency Range: 2.4 GHz
Antenna 1
-Antenna type: PCB Antenna
-Antenna Gain: 2.0 dBi

EUT Operation condition

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

Output Power into Antenna & RF Exposure Evaluation Distance

Modulation Standard: GFSK (1Mbps)

Test Date: Jan. 06, 2012

Temperature: 24

Atmospheric pressure: 1018 hPa

Humidity: 64 %

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
00	2402	-2.99	0.5
39	2441	-1.18	0.8
78	2478	-0.70	0.9

Modulation Standard: $\pi/4$ -DQPSK (2Mbps)

Test Date: Jan. 06, 2012

Temperature: 24

Atmospheric pressure: 1018 hPa

Humidity: 64 %

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
00	2402	-2.19	0.6
39	2441	-1.10	0.8
78	2478	0.11	1.0

Modulation Standard: 8DPSK (3Mbps)

Test Date: Jan. 06, 2012

Temperature: 24

Atmospheric pressure: 1018 hPa

Humidity: 64 %

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
00	2402	-2.20	0.6
39	2441	-0.43	0.9
78	2478	0.11	1.0

The MPE is calculated as $0.000 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.