RF Exposure Evaluation declaration

Product Name	:	Bluetooth 4.0 USB Dongle
Model No.	:	USB-BT400
FCC ID.	:	MSQ-USBBT400

Applicant : ASUSTek COMPUTER INC.

Address : 4F, No. 150, LI-TE RD., PEITOU, TAIPEI, TAIWAN R.O.C.

Date of Receipt	:	2012/09/20
Date of Declaration	:	2012/10/16
Report No.	:	129393R-RF-US-Exp
Report Version	:	V1.0

1. RF Exposure Evaluation

1.1. Limits

According to 1.1307(b)(1), system operating under the previsions of this section shall be operated in manner that ensure that the public is not exposed is not exposed to radio frequency energy level in excess of the Commission's guideline.

No SAR required for output power as below thresholds:
f = GHz, d = Distance (between radiated device and the body)

When d < 2.5cm, Output Power = (60/f) mW
Ex: f = 2.4GHz, Output Power = (60/2.4) = 25mW (13.98dBm)

1.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.
The temperature and related humidity: 18℃ and 78％ RH.

1.3. Test Result of RF Exposure Evaluation

Product	Bluetooth 4.0 USB Dongle
Test Mode	Mode 1: Transmit
Test Condition	RF Exposure Evaluation

Antenna Gain

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 0.6dBi or 1.15 in linear scale.

Output Power into Antenna

Channel	Channel Frequency (MHz)	Output Power to Antenna (mW)	EIRP (mW)	Output Power threshold (mW) (d < 2.5cm)
01	2402	0.69	0.79	24.98
19	2440	0.64	0.74	24.59
39	2480	0.62	0.71	24.19

Conclusion:

No SAR evaluation required, since transmitter output power is below threshold.