RF Exposure Evaluation

FCC ID: QTG-MARS

IC ID: 10710A-MARS

1. Client Information

Applicant	:	ZAGG Inc.
Address	:	3855 South 500 West Salt Lake City, UT 84115 USA
Manufacturer	:	Wagons Digital Co., Ltd.
Address	:	Flat/Rm.1701, 17/F., Henan Building, 90 Jaffe Road, Wanchai, Hongkong

2. General Description of EUT

EUT Name	:	Zaggkeys Mini 9 (Mars)	
Models No.	:	FOLBSL	
Model Difference	:	N/A	
Product Description	:	Operation Frequency:2402MHz~2480MHz	
		Number of Channel:	79Channels see note (2)
		Out Power	0.692 mW (max) conducted power (-1.60 dBm)
		Antenna Gain:	1.87 dBi
		Modulation Type:	GFSK 1Mbps
Power Supply	:	USB charging from PC. DC voltage from Li-ion battery.	
Power Rating	:	DC 5V from PC USB Port. DC 3.7V 190mAh from Li-ion battery.	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note

For a more detailed features description, please refer to the RF Test Report.

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MPE Calculations

1. **FCC: No Evaluation required if power is below**
   （60/f(GHz) mW） where f is the transmit frequency of the EUT.
   CANADA: RSS 102 Section 2.5-Exemption from Routine Evaluation Limits
   Above 2.2 GHz and up to 3 GHz inclusively, and output power is less than or equal to 20 mW for general public use and 100 mW for controlled use.

2. **Calculation:**
   EIRP= P+G
   Where P=Conducted Output Power (dBm)
   G=Power Gain of the Antenna (dBi)

   So

Bluetooth				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
GFSK(1Mbps)	-1.60	1.87	0.27	1.064

3. **Conclusion:**

No SAR Evaluation required since Transmitter EIRP is bellow FCC threshold and IC standards.