

RF Exposure Evaluation

FCC ID: 2AS5D-TM001G

1. Client Information

Applicant : SHENZHEN SUPER TIME INDUSTRIAL CO.,LTD.(CHINA)
Address : Room 505-508 BAOYUNDA Building, QIANJIN Road 2, XIXIANG Street, BAOAN, SHENZHEN, China
Manufacturer : SHENZHEN SUPER TIME INDUSTRIAL CO.,LTD.(CHINA)
Address : Room 505-508 BAOYUNDA Building, QIANJIN Road 2, XIXIANG Street, BAOAN, SHENZHEN, China

2. General Description of EUT

EUT Name	:	Dazzle Series	
Models No.	:	TM001G	
Model Different	:	N/A	
Product Description	:	Operation Frequency:	Bluetooth V4.0: 2402MHz~2480MHz
		RF Output Power:	BLE:4.36dBm (Max)
		Antenna Gain:	-0.51dBi Integral Antenna
Power Supply	:	DC Voltage Supply from USB Changer Base. DC Supply by the Li-ion Battery.	
Power Rating	:	DC 5.0 V from the USB Changer Base. DC 3.7V by 100mAh Li-ion Battery.	
Software Version	:	N/A	
Hardware Version	:	V1.0.0	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note: More test information about the EUT please refer the RF Test Report.

SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

- (1) Clause 4.3: General SAR test reduction and exclusion guidance

- Sub clause 4.31: Standalone SAR test exclusion considerations

- 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance ≤ 5 mm are determined by:

- $$\frac{[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})] * [\sqrt{f_{\text{(GHz)}}}] \leq 3.0 \text{ for 1-g SAR}$$

- $$\frac{[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})] * [\sqrt{f_{\text{(GHz)}}}] \leq 7.5.0 \text{ for 10-g SAR}$$

2. Calculation:

Test separation: 5mm						
BLE Mode (GFSK)						
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	4.360	4±1	5	3.162	0.980	3.0
2.442	4.205	4±1	5	3.162	0.988	3.0
2.480	3.792	4±1	5	3.162	0.996	3.0

So standalone SAR measurements are not required.

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