



RF Exposure Evaluation

FCC ID: 2BK4P-COYOTE-030

1. Client Information

Applicant	:	Shenzhen Sumeng Technology Co., Ltd.
Address	:	Room 613, Building A, No. 43 Xinguang Road, Nanshan District, Shenzhen City, China. 518000
Manufacturer	:	Shenzhen Sumeng Technology Co., Ltd.
Address	:	Room 613, Building A, No. 43 Xinguang Road, Nanshan District, Shenzhen City, China. 518000

2. General Description of EUT

EUT Name	:	COYOTE E-Stim Powerbox 3.0	
Model(s) No.	:	COYOTE-030	
Model Difference	:	----	
Product Description	:	Operation Frequency:	Bluetooth LE 5.3: 2402MHz~2480MHz
		Number of Channel:	40 channels
		Antenna Gain:	1.52dBi PCB Antenna
		Modulation Type:	GFSK
Power Supply	:	USB INPUT: DC 5V, 0.35A DC 3.7V 1000mAh 3.7Wh Rechargeable Li-ion battery	
Software Version	:	----	
Hardware Version	:	----	

Remark:

- (1) The antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
- (4) 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:

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

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



2. Calculation:

Test separation: 5mm						
Bluetooth LE Mode (1M)						
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	4.355	4±1	5	3.162	0.980	3.0
2.440	3.812	3±1	4	2.512	0.785	3.0
2.480	3.235	3±1	4	2.512	0.791	3.0
Bluetooth LE Mode (2M)						
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	4.300	4±1	5	3.162	0.980	3.0
2.440	3.721	3±1	4	2.512	0.785	3.0
2.480	3.243	3±1	4	2.512	0.791	3.0

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

-----END OF THE REPORT-----

