



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:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR}$$
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 7.5.0 \text{ for 10-g SAR}$$


2. Calculation:

| Test separation: 5mm | | | | | | | |
|------------------------|-----------------------|------------------------------|--------------------------------------|-------------------------------------|-------------------|-----------------|--|
| 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-----

