



# RF Exposure Evaluation

## FCC ID: 2BC2U-ST30

### 1. Client Information

<b>Applicant</b>	:	Shenzhen LC Co., Ltd
<b>Address</b>	:	Rooms 602, Building 5, Fenghe Industrial Park, No. 1301-50 Guanguang Road, Xinlan Community, Guanlan Street, Longhua District, Shenzhen, China.
<b>Manufacturer</b>	:	Shenzhen Leqi Innovation Co., Ltd.
<b>Address</b>	:	Rooms 103, 501 and 601, Building 5, Fenghe Industrial Park, Nos. 1301-50 Guanguang Road, Longhua District, Shenzhen, Guangdong, China.

### 2. General Description of EUT

<b>EUT Name</b>	:	One-Touch Deploy Selfie Stick Tripod
<b>Model(s) No.</b>	:	ST30
<b>Model Difference</b>	:	----
<b>Product Description</b>	:	Operation Frequency: Bluetooth LE 4.2: 2402MHz~2480MHz
	:	Number of Channel: 40 channels
	:	Antenna Gain: 2.3dBi PCB Antenna
	:	Modulation Type: GFSK
<b>Power Supply</b>	:	USB Input: DC 5V/0.1A DC 3.7V 50mAh 0.185Wh Rechargeable Li-ion battery
<b>Software Version</b>	:	V1.1
<b>Hardware Version</b>	:	V1.0
<b>Remark:</b>		<p>(1) The antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.</p> <p>(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.</p> <p>(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.</p>

**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  $\leq 5$  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	2.062	2 ± 1	3	1.995	0.618	3.0
2.440	1.781	1 ± 1	2	1.585	0.495	3.0
2.480	1.579	1 ± 1	2	1.585	0.499	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	2.099	2 ± 1	3	1.995	0.618	3.0
2.440	1.833	1 ± 1	2	1.585	0.495	3.0
2.480	1.621	1 ± 1	2	1.585	0.499	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-----

