

# RF Exposure Evaluation

## FCC ID: 2AG8SXYZ-Z8

### 1. Client Information

**Applicant** : ShenZhen XingYangXing Communication Technology Co.,ltd  
**Address** : No.16, Benkang Road industrial Zone, Dakang Dawan village, Hengang Street, Longgang District 518115, Shenzhen, China  
**Manufacturer** : ShenZhen XingYangXing Communication Technology Co.,ltd  
**Address** : No.16, Benkang Road industrial Zone, Dakang Dawan village, Hengang Street, Longgang District 518115, Shenzhen, China

### 2. General Description of EUT

<b>EUT Name</b>	:	Panorama Photo/Video for Smartphone	
<b>Models No.</b>	:	XYZ-Z8	
<b>Model Difference</b>	:	N/A	
<b>Product Description</b>	:	Operation Frequency: Bluetooth:2402~2480MHz	
		Number of Channel:	Bluetooth:79 Channels
		Max Peak Output Power:	Bluetooth: -13.92 dBm(GFSK)
		Antenna Gain:	0 dBi PCB Antenna
		Modulation Type:	GFSK (1 Mbps)
<b>Power Supply</b>	:	DC Voltage supplied from Host System by USB cable. DC power by Li-ion Battery.	
<b>Power Rating</b>	:	DC 5.0V by USB cable. DC 3.7V 400mAh Li-ion Battery.	
<b>Connecting I/O Port(S)</b>	:	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 v05r02.

- (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 Mode (GFSK)					
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-13.92	$\pm 0.5$	0.045	0.014	3.0
2.441	-14.45	$\pm 0.5$	0.040	0.013	3.0
2.480	-14.94	$\pm 0.5$	0.036	0.011	3.0

So standalone SAR measurements are not required.