

# **CTC** Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China Tel: +86-755- 27521059 Fax: +86-755- 27521011 Http://www.sz-ctc.org.cn

# **RF Exposure Evaluation**

# FCC ID: 2APWA-Z23G

According to KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

### **EUT Specification**

EUT	Gigabit SIP IP Phone		
Model/Type reference:	Z 23G		
Listed Model(s):	N/A		
Frequency band (Operating)	BT: 2.402GHz ~ 2.480GHz BLE: 2.402GHz ~ 2.480GHz WLAN: 2.412GHz ~ 2.462GHz Others		
Device category	Portable (<20cm separation) Mobile (<5mm separation) fixed (>20cm separation) Others		
Antenna diversity	Single antenna Multiple antennas Tx diversity Rx diversity Tx/Rx diversity		
Antenna gain (Max)	2.8dBi		

## Limit

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] . [√f<sub>(GHz)</sub>] ≤ **3.0** 

Where

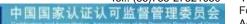
-f<sub>(GHz)</sub> is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is  $\leq$  50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011



Http://www.sz-ctc.org.cn For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



#### **Measurement Result**

Туре	Channel frequency (MHz)	Max. Measured Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Calculation Value	Threshold Value	Result
GFSK	2402	5.93	5±1	6	2.351	3.0	
	2441	5.54	5±1	6	2.370	3.0	
	2480	5.22	5±1	6	2.389	3.0	
π /4-DQPSK	2402	5.71	5±1	6	2.351	3.0	
	2441	5.48	5±1	6	2.370	3.0	PASS
	2480	5.17	5±1	6	2.389	3.0	
8-DPSK	2402	5.70	5±1	6	2.351	3.0	
	2441	5.46	5±1	6	2.370	3.0	
	2480	5.14	5±1	6	2.389	3.0	

#### Note

For a more detailed features description, please refer to the RF Test Report.