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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)	<input checked="" type="checkbox"/> BT: 2.402GHz ~ 2.480GHz <input type="checkbox"/> BLE: 2.402GHz ~ 2.480GHz <input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz <input type="checkbox"/> Others
Device category	<input type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (<5mm separation) <input checked="" type="checkbox"/> fixed (>20cm separation) <input type="checkbox"/> Others _____
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity
Antenna gain (Max)	2.8dBi

Limit

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f_(GHz)] ≤ 3.0

Where

-f_(GHz) 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 ≤ 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.

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Measurement Result

Type	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	PASS
	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	
	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.

*****THE END*****