

RF Exposure Evaluation

FCC ID:2AZO4-DT100

REQUIREMENT

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

[(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.

TEST RESULT

Passed

Not Applicable

BLE

Test mode	Channel Frequency (MHz)	Max. Measured Power (dBm)	Max. Tune up tolerance Power (dBm)	Max. Tune up tolerance Power (mW)	Calculating data	Limit	Results
GFSK	2402	-1.28	-1.28±1	0.94	0.29	3.00	Pass
	2440	-1.24	-1.24±1	0.95	0.30		
	2480	-2.3	-2.3±1	0.74	0.23		

BT

Test mode	Channel Frequency (MHz)	Max. Measured Power (dBm)	Max. Tune up tolerance Power (dBm)	Max. Tune up tolerance Power (mW)	Calculating data	Limit	Results
GFSK	2402	-0.57	-0.57±1	1.10	0.34	3.00	Pass
	2441	-0.9	-0.9±1	1.02	0.32		
	2480	-2.87	-2.87±1	0.65	0.20		
π/4-DQPSK	2402	-1.50	-1.50±1	0.89	0.28	3.00	Pass
	2441	-2.17	-2.17±1	0.76	0.24		
	2480	-1.07	-1.07±1	0.98	0.31		



KSIGN (Guangdong) Testing Co., Ltd.

West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park,
Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, People's Republic of China
Tel.: + (86)755-29852678 Fax: + (86)755-29852397 E-mail: info@gdksign.cn Website: www.gdksign.com

8DPSK	2402	-0.88	-0.88±1	1.03	0.32	3.00	Pass
	2441	-1.97	-1.97±1	0.80	0.25		
	2480	-0.78	-0.78±1	1.05	0.33		

Note:

1. Only the worst case recorded.
2. BLE PART (Worst case 2440MHz), BT PART (Worst case GFSK_2402MHz).
3. The 2.4G BLE and BLE can transmit simultaneously and MPE ratio
(BLE+BT) = $0.30/3 + 0.34/3 = 0.213 < 3$
4. The exposure safety distance is less than 5mm.

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