



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

RF Exposure Evaluation

FCC ID: 2A54U-DT103

REQUIREMENT

KDB447498 D01 General RF Exposure Guidance v07, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

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**

BT

Test mode	Channel Frequency (MHz)	Max. Measured Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Maximum Output Power (mW)	Calculating data	Limit	Results
DH5	2402	4.56	4±1	5	3.16	0.9802	3.00	Pass
	2441	3.85	3±1	4	2.51	0.7849		
	2480	2.59	2±1	3	2.00	0.6284		
2DH5	2402	5.14	5±1	6	3.98	1.2340		
	2441	4.44	4±1	5	3.16	0.9881		
	2480	3.33	3±1	4	2.51	0.7911		
3DH5	2402	5.36	5±1	6	3.98	1.2340		
	2441	4.63	4±1	5	3.16	0.9881		
	2480	3.59	3±1	4	2.51	0.7911		



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BLE

Test mode	Channel Frequency (MHz)	Max. Measured Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Maximum Output Power (mW)	Calculating data	Limit	Results
GFSK_1M	2402	5.54	5±1	6	3.98	1.2340	3.00	Pass
	2440	5.28	5±1	6	3.98	1.2437		
	2480	5.09	5±1	6	3.98	1.2539		
GFSK_2M	2402	5.43	5±1	6	3.98	1.2340		
	2440	5.22	5±1	6	3.98	1.2437		
	2480	5.04	5±1	6	3.98	1.2539		

Note:

- The maximum antenna gain is -0.7dBi.
- The exposure safety distance is less than 5mm.
- This device does support BT+BLE simultaneous Transmitter: $1.2340 + 1.2539 = 2.4879 < 3$, so SAR is not applicable.

--THE END--