



KSIGN (Guangdong) Testing Co., Ltd.

West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park,
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RF Exposure Evaluation

FCC ID: 2A54U-DTNOI7

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	-4.33	-5 $\pm$ 1	-4	0.40	0.1234	3.00	Pass
	2441	-4.85	-5 $\pm$ 1	-4	0.40	0.1244		
	2480	-5.93	-6 $\pm$ 1	-5	0.32	0.0996		
2DH5	2402	-3.79	-4 $\pm$ 1	-3	0.50	0.1554		
	2441	-4.43	-5 $\pm$ 1	-4	0.40	0.1244		
	2480	-5.29	-6 $\pm$ 1	-5	0.32	0.0996		
3DH5	2402	-3.34	-4 $\pm$ 1	-3	0.50	0.1554		
	2441	-4.04	-5 $\pm$ 1	-4	0.40	0.1244		
	2480	-5.12	-6 $\pm$ 1	-5	0.32	0.0996		



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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	1.63	1±1	2	1.58	0.4913	3.00	Pass
	2440	1.28	1±1	2	1.58	0.4951		
	2480	0.84	1±1	2	1.58	0.4992		
GFSK_2M	2402	1.66	1±1	2	1.58	0.4913		
	2440	1.31	1±1	2	1.58	0.4951		
	2480	0.9	1±1	2	1.58	0.4992		

Note:

- The BT&BLE maximum antenna gain is -0.7dBi.
- The exposure safety distance is less than 5mm.
- This device does support simultaneous Transmitter, $0.1554 + 0.4992 = 0.6554 < 3$.

--THE END--