



# RF Exposure Evaluation

FCC ID: 2A54U-DT1

## 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  $\leq 50$  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.

## 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	3.42	3±1	4	2.51	0.7786	3.00	Pass
	2441	2.54	3±1	4	2.51	0.7849		
	2480	3.71	3±1	4	2.51	0.7911		
2DH5	2402	3.1	3±1	4	2.51	0.7786		
	2441	2.2	3±1	4	2.51	0.7849		
	2480	2.18	3±1	4	2.51	0.7911		
3DH5	2402	3.35	3±1	4	2.51	0.7786		
	2441	2.44	3±1	4	2.51	0.7849		
	2480	2.24	3±1	4	2.51	0.7911		



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	-2.31	-2±1	-1	0.79	0.2462	3.00	Pass
	2440	-2.52	-2±1	-1	0.79	0.2482		
	2480	-2.76	-2±1	-1	0.79	0.2502		
GFSK_2M	2402	-4.62	-5±1	-4	0.40	0.1234		
	2440	-4.84	-5±1	-4	0.40	0.1244		
	2480	-5.07	-5±1	-4	0.40	0.1254		

Note:

- The maximum antenna gain is 0.8dBi.
- The exposure safety distance is less than 5mm.
- This device does not support simultaneous Transmitter.

--THE END--