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RF Exposure Evaluation

FCC ID: 2A094-MK06

REQUIREMENT

KDB447498 D01 General RF Exposure Guidance v06, 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

BLE_1M

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	-1.09	-1.09±1	-0.09	0.98	0.30	3.00	Pass
	2440	-1.72	-1.72±1	-0.72	0.85	0.26		
	2480	-2.08	-2.08±1	-1.08	0.78	0.25		

BLE_2M

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_2M	2402	-1.09	-1.09±1	-0.09	0.98	0.30	3.00	Pass
	2440	-1.77	-1.77±1	-0.77	0.84	0.26		
	2480	-2.13	-2.13±1	-1.13	0.77	0.24		

Note:

-The exposure safety distance is less than 5mm.

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