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RF Exposure Evaluation

FCC ID: 2A094-H3BEACON

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

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_1M	2402	0.56	0.56 ± 1	1.432	0.44	3.00	Pass
	2440	0.45	0.45 ± 1	1.396	0.44		
	2480	0.05	0.05 ± 1	1.274	0.40		
GFSK_2M	2402	0.53	0.53 ± 1	1.422	0.44		
	2440	0.35	0.35 ± 1	1.365	0.43		
	2480	0.10	0.10 ± 1	1.288	0.40		

Note:

-The exposure safety distance is less than 5mm.

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