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RF Exposure Evaluation

FCC ID:2A3D4-EDS-GEXRD

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

ANT	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
Meatl	BLE_1M	2402	1.38	± 1	2.38	1.73	0.5362	3.00	Pass
		2441	1.46	± 1	2.46	1.76	0.5505		
		2480	1.46	± 1	2.46	1.76	0.5550		
Ceramic	BLE_1M	2402	1.38	± 1	2.38	1.73	0.5362	3.00	Pass
		2441	1.47	± 1	2.47	1.77	0.5517		
		2480	1.45	± 1	2.45	1.76	0.5537		

Note:

-The exposure safety distance is less than 5mm.

-The metal ANT and ceramic ANT can transmit simultaneously:

$0.5550/3 + 0.5537/3 = 0.3696 < 1$.

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