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RF Exposure Evaluation

FCC ID:2AXAVNTS600C07

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

ANT 1

Test mode	Channel Frequency (MHz)	Max. Measured Power (dBm)	Max. Tune up tolerance Power (dBm)	Max. Tune up Power (dBm)	Max. Tune up tolerance Power (mW)	Calculating data	Limit	Results
802.11b	2412	6.53	± 1	7.53	5.66	1.7588	3.00	Pass
	2437	5.71	± 1	6.71	4.69	1.4637		
	2462	6.13	± 1	7.13	5.16	1.6206		
802.11g	2412	7.07	± 1	8.07	6.41	1.9917		
	2437	6.62	± 1	7.62	5.78	1.8049		
	2462	6.10	± 1	7.10	5.13	1.6094		
802.11n (HT20)	2412	6.99	± 1	7.99	6.30	1.9553		
	2437	6.57	± 1	7.57	5.71	1.7843		
	2462	6.05	± 1	7.05	5.07	1.5910		
802.11n (HT40)	2422	7.07	± 1	8.07	6.41	1.9958		
	2437	6.78	± 1	7.78	6.00	1.8727		
	2452	6.58	± 1	7.58	5.73	1.7939		

Note:

-The exposure safety distance is less than 5mm.

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