

RF exposure report

For

FCC ID: 2AEGH-MTAB-0735KA

FCC §15.247 (i) & §2.1093 – RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 General RF Exposure Guidance v05

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The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Result

According to FCC KDB 447498 D01 General RF Exposure Guidance v05 generic portable criteria

The test was performed with 802.11b:

Frequency (MHz)	PK Output Power (dBm)	PK Output Power (mw)	Target power (mw)	Calculation Value	Threshold Value
2412	8.90	7.8	8+/-1	2.80	3.0
2437	8.62	7.3	8+/-1	2.81	3.0
2462	8.96	7.9	8+/-1	2.82	3.0

The test was performed with 802.11g:

Frequency (MHz)	PK Output Power (dBm)	PK Output Power (mw)	Target power (mw)	Calculation Value	Threshold Value
2412	7.40	5.5	6+/-1	2.17	3.0
2437	7.61	5.8	6+/-1	2.18	3.0
2462	7.58	5.7	6+/-1	2.20	3.0

The test was performed with 802.11n:

Frequency (MHz)	PK Output Power (dBm)	PK Output Power (mw)	Target power (mw)	Calculation Value	Threshold Value
2412	6.83	4.8	5+/-1	1.86	3.0
2437	6.82	4.8	5+/-1	1.87	3.0
2462	6.88	4.9	5+/-1	1.88	3.0

Then SAR evaluation is not required