Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V05

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

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] * [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, 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 result is rounded to one decimal place for comparison;

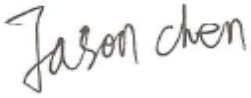
The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. We use 5mm as separation distance to calculate.

Maximum measured transmitter power:

WIFI

Modulation	Channel Freq. (MHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Result calculation	1g SAR
802.11b	2412	9.7	9.33	8.7±1	9.70	9.33	2.89279	3.00
	2437	9.6	9.12	8.7±1	9.70	9.33	2.91379	3.00
	2462	9.7	9.33	8.7±1	9.70	9.33	2.93938	3.00
802.11g	2412	9.5	8.91	8.6±1	9.60	9.12	2.82694	3.00
	2437	9.6	9.12	8.6±1	9.60	9.12	2.84980	3.00
	2462	9.5	8.91	8.6±1	9.60	9.12	2.87247	3.00
802.11n HT20	2412	9.5	8.91	8.5±1	9.50	8.91	2.76259	3.00
	2437	9.3	8.51	8.5±1	9.50	8.91	2.78493	3.00
	2462	9.4	8.71	8.5±1	9.50	8.91	2.80709	3.00

Conclusion:
For the max result : 2.93938≤ 3.0 for 1-g SAR, compliance the RF Exposure.



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