

# FCC ID: S7JNXA116QC164

## 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  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})]^*$

$[\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  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;

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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:

802.11b/g/n HT20/n HT40:

Transmit Frequency (GHz)	Mode	Max Conducted Power (dBm)	tune up maximum power	Result calculation	1-g SAR
2.412	11b	9.47	7.5dBm-9.5dBm	2.768	3.0
2.437	11b	8.96	7.5dBm-9.5dBm	2.768	3.0
2.462	11b	9.44	7.5dBm-9.5dBm	2.768	3.0
2.412	11g	8.81	7.5dBm-9.5dBm	2.768	3.0
2.437	11g	8.54	7.5dBm-9.5dBm	2.768	3.0
2.462	11g	8.63	7.5dBm-9.5dBm	2.768	3.0
2.412	11n HT20	8.07	7.5dBm-9.5dBm	2.768	3.0
2.437	11n HT20	8.14	7.5dBm-9.5dBm	2.768	3.0
2.462	11n HT20	8.09	7.5dBm-9.5dBm	2.768	3.0
2.422	11n HT40	7.8	7dBm-9dBm	2.467	3.0
2.437	11n HT40	7.71	7dBm-9dBm	2.467	3.0
2.452	11n HT40	7.39	7dBm-9dBm	2.467	3.0

BT DTS:

Transmit Frequency (GHz)	Mode	Max Conducted Power (dBm)	tune up maximum power	Result calculation	1-g SAR
2.402	GFSK	-0.928	-2dBm-0dBm	0.311	3.0
2.441	GFSK	-0.13	-2dBm-0dBm	0.311	3.0
2.480	GFSK	-1.395	-2dBm-0dBm	0.311	3.0

**Conclusion:**

For the max result :  $2.768 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.

Signature: 

Date: 2015-01-20

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