

WLAN - Maximum Average Power				
Test Mode	Data Rate	Channel	Frequency (MHz)	Average Power (dBm)
802.11b	11Mbps	CH 01	2412	6.65
		CH 06	2437	6.81
		CH 11	2462	6.89
802.11g	54Mbps	CH 01	2412	6.18
		CH 06	2437	6.32
		CH 11	2462	6.12
802.11n (20MHz)	MCS7	CH 01	2412	5.39
		CH 06	2437	5.26
		CH 11	2462	5.33
802.11n (40MHz)	MCS7	CH 03	2422	5.36
		CH 06	2437	5.42
		CH 09	2452	5.35

Bluetooth - Maximum Average Power		
Test Mode	Data Rate	Average Power(dBm)
GFSK	1Mbps	1.976
PI/4 QDPSK	2Mbps	1.172
8DPSK	3Mbps	1.42

Bluetooth - Maximum Average Power				
Test Mode	Data Rate	Channel	Frequency (MHz)	Average Power (dBm)
BLE	1Mbps	CH 00	2402	-6.406
		CH 19	2440	-6.256
		CH 39	2480	-6.009

Remark:

WLAN and Bluetooth maximum output power is 6.89dBm and 1.976dBm respectively ,and Tune-Up output power is 7.0dBm and 2.0dBm respectively. Per KDB 447498 D01 v06, 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:

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

SAR and ≤ 7.5 for 10-g extremity SAR,¹⁶ where

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

- Power and distance are rounded to the nearest mW and mm before calculation¹⁷

- The result is rounded to one decimal place for comparison

WLAN:

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
7.0	5.01	5	2.462	1.57	3

The exclusion thresholds is $1.57 < 3$, therefore, the RF exposure evaluation is not required.

BT::

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
2.0	1.58	5	2.480	0.50	3

The exclusion thresholds is $0.50 < 3$, therefore, the RF exposure evaluation is not required.