

FCC ID: 2BG7D-E10

RF Exposure evaluation

According to 447498 and part 2.1093

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)] *[$\sqrt{f(GHz)}$] ≤ 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 Here,

8.85

For BLE								
Frequency (MHz)	Max power (dBm)	Max power (mW)	Min. distance (mm)	Calculation Value	Threshold Value			
2440	0.54	1.13	5	0.35	3.0			
For BT								
Frequency (MHz)	Max power (dBm)	Max power (mW)	Min. distance (mm)	Calculation Value	Threshold Value			
2441	2.77	1.89	5	0.59	3.0			
For 2.4G WIF	For 2.4G WIFI							
Frequency (MHz)	Max power (dBm)	Max power (mW)	Min. distance (mm)	Calculation Value	Threshold Value			

2462 For 5G WIFI

Frequency	Max power	Max power (mW)	Min. distance	Calculation	Threshold
(MHz)	(dBm)		(mm)	Value	Value
5200	7.84	6.08	5	2.77	3.0

5

2.78

3.0

For 5.8G WIFI

Frequency	Max power	Max power	Min. distance	Calculation	Threshold
(MHz)	(dBm)	(mW)	(mm)	Value	Value
5785	7.48	5.60	5	2.69	

So SAR test is not required

9.47