

FCC ID : COM-ES-80143BT

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 KDB 447498 (2)(a)(i)

Frequency Range		Maximum measured transmitter power frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2402	2480	2402	25.0

Maximum measured transmitter power

Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
0.12	0	0.12

Remark: The best case gain of the antenna is 0dBi.

0dBi logarithmic terms convert to numeric result is nearly 1

According to the formula. calculate the EIRP test result:

$$\text{EIRP} = P \times G = 0.12\text{mW} \times 1 = 0.12\text{mW}$$

Threshold at which no SAR required is 25.0mw.

Maximum Tx power is 0.12mw EIRP.

Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A