

FCC RF Exposure Evaluation

2.4 GHz portable radio per KDB 447498 D01

	1-g	10-g	Contributor
Limit	1		
Duty Cycle	100	%	1
Tune up Tolerance	10	%	1.1
Antenna Gain	0	dBi	1
Min. Seperation	5	mm	

Frequency	Power	Value	Limit	Exempt?
GHz	mW	no unit	no unit	Yes/No
2.4020	1.010	0.34	3.0	YES
2.4400	1.000	0.34	3.0	YES
2.4800	0.934	0.32	3.0	YES

KDB Link [KDB 447498](#)

Portable [Part 2.1093](#)

“value” calculated from Section 4.3 of the KDB:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{GHz}}}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR,}^{30} \text{ where}$$

- f_{GHz} is the RF channel transmit frequency in GHz