

47 C.F.R. Part 1, Subpart I, Section 1.1310
47 C.F.R. Part 2, Subpart J, Section 2.1091
Maximum Permissible Exposure Calculations

For Carefree Scott Fetzer Co Inc M/N: BT Remote

BLE Transceiver

EUT Device Category = General Population/Uncontrolled Exposure

EUT consists of one ISM band radio transmitting operating over a range of:
2402 MHz to 2480 MHz

MPE Summary:

KDB 447498 D01 General RF Exposure Guidance v06 gives the 1-g and 10-g SAR test exclusion thresholds. The limits for 100 MHz to 6 GHz and a test separation distance of ≤50 mm are defined by the following equations:

$$((\text{max EIRP} + \text{tune up tolerance, mW}) / (\text{minimum separation, mm}) * \sqrt{f_{\text{GHz}}}) \leq 3.0 \text{ for 1-g SAR or } \leq 7.5 \text{ for 10-g SAR}$$

MPE and Limit are calculated as follows:

Max EIRP	Tune up	Separation	Frequency	Density	Limit	Result	Limit	Result
mW	mW	(mm)	GHz	mW/mm	1-g		10-g	
0.4122	1.0	5.0	2.402	0.44	3.0	Exempt	7.5	Exempt
0.4657	1.0	5.0	2.440	0.46	3.0	Exempt	7.5	Exempt
0.4103	1.0	5.0	2.480	0.44	3.0	Exempt	7.5	Exempt

Result: The device meets FCC MPE limit for General Population/Uncontrolled Exposure