

**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 Ultrudent Products, Inc. FCC ID: 2AGL3-CLY21**

**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  $\leq 50$  mm are defined by the following equation:

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

MPE and Limit are calculated as follows:

Max EIRP	Separation	Frequency	Density	Limit	Result	Limit	Result
mW	(mm)	GHz	mW/mm	1-g		10-g	
0.020	5.0	2.402	0.0062	3.0	Exempt	7.5	Exempt
0.025	5.0	2.440	0.0078	3.0	Exempt	7.5	Exempt
0.054	5.0	2.480	0.0170	3.0	Exempt	7.5	Exempt

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