

**RF exposure evaluation**

The Autonomous Pivot rev 1.0 operating according to FCC part 15 subpart C section 15.231. The Autonomous Pivot rev 1.0 operating at 336-396 and 411-606 and 616-956 MHz that are a far field region. The radiated power within the 1-mW in the far-field region can be exempt and no evaluation is required according to §1.1307(b)(3)(i)(A).

**Far-Field Region:**

Power estimate via the far-field was described by the following equation:

$$P = 4\pi r^2 \frac{E^2}{Z_0}, \text{ where } Z = 120\pi$$

Where:

$Z_0$  = free impedance in Far-Field region =  $377\Omega$

**Power calculation for Far-Field region**

F, MHz	d, m	$\lambda$ , m	E, dB $\mu$ V/m	E, V/m	Far-field formula	
					P, W	P, mW
336	3	0.8928	80.16	0.010	0.00003	0.03
646	3	0.4643	79.36	0.009	0.00002	0.02
956	3	0.3138	75.62	0.006	0.00001	0.01

Based on the above the product can be considered complying with the RF exposure limitations.

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