

3M	XT-1B Base Station	Report RE1207020F	3M
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5.6.2 Test Procedure

Calculate Power Density (mW/cm^2) based on EIRP using equation (4) in OET 65.

$$S = \frac{\text{EIRP}}{12.566 R^2}$$

S= power density

EIRP= equivalent isotropic radiated power

R= distance to center of radiation of the antenna

5.6.3 Results

Assume the minimum separation distance from antenna is 20cm

Maximum EIRP per section 5.4.2 is 147.57 mw EIRP

$$R^2 = 400$$

$$S = \frac{147.57}{5026.4}$$

$$S = 0.029 \text{ mW}/\text{cm}^2$$

The EUT met the general public exposure criteria.