

Antenna R640A

Spectral power density		Declared by applicant	Measured
Prediction ⁵ :	$S = P G / 4 \pi R^2$		
Where:	$S = \text{Power density}$ $P = \text{Power input of antenna}$ $G = \text{Power gain of the antenna relativ to an isotropic radiator}$ $R = \text{Distance to the center of radiation of the antenna}$		
Maximum output power:	$P = 794.3 \text{ mW}$		<input checked="" type="checkbox"/>
Antenna gain:	$G = 2.137$	<input checked="" type="checkbox"/>	
Prediction distance:	$R = 20 \text{ cm}$		
Power density at 20 cm:	$S = 0.3379 \text{ mW/cm}^2$		
Limit	$S_{\text{lim}} = 0.6098 \text{ mW/cm}^2$		

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Prediction ⁶ :	$S = P G / 4 \pi R^2$		
Where:	$S = \text{Power density}$ $P = \text{Power input of antenna}$ $G = \text{Power gain of the antenna relativ to an isotropic radiator}$ $R = \text{Distance to the center of radiation of the antenna}$		
Maximum output power:	$P = 794.3 \text{ mW}$		<input checked="" type="checkbox"/>
Antenna gain:	$G = 3.98$	<input checked="" type="checkbox"/>	
Prediction distance:	$R = 30 \text{ cm}$		
Power density at 30 cm:	$S = 0.2797 \text{ mW/cm}^2$		
Limit	$S_{\text{lim}} = 0.6098 \text{ mW/cm}^2$		