

RF Exposure Requirements

Limit

For Maximum Permissible Exposure (MPE) evaluation of the transmitter, the maximum power density at 20 cm from this transmitter shall be less than the General Population / Uncontrolled MPE limit in OET Bulletin 65 and meet the requirement listed in KDB447498.

In the frequency range of 1,500 - 100,000MHz, the MPE limit is 1.0 mW/cm² for general population and uncontrolled exposure.

Test Result

Product	: DECT Cordless VoIP Phone	Test Mode	: Base Transmitting
Test Item	: RF Exposure	Temperature	: 25 °C
Test Voltage	: DC 5V	Humidity	: 56%RH
Test Result	: PASS		

RF Exposure Requirements	Compliance with FCC Rules
<p>$S = \frac{PG}{4\pi R^2}$</p> <p>Where: S=Power density P=Power input to antenna G=Power gain of the antenna relative to an isotropic radiator R=Distance to the center of radiation of the antenna</p>	<p>Maximum output power at antenna input terminal: 19.73 dBm =93.97 mW (Low Channel) Prediction distance: 20 cm Antenna gain : 0 dBi MPE limit for uncontrolled exposure at prediction frequency: 1.0m W/cm²</p> <p>Power density at 20 cm: Low Channel: 0.0187 mW/cm²</p>