

EUT has two Bluetooth modes; Bluetooth Low Energy (1Mbps) and Bluetooth 5 (2Mbps).

Conducted output powers

Bluetooth Low Energy: 17.67dBm

Bluetooth 5: 17.68dBm

Highest antenna gain: 3.7dBi

<u>Prediction of MPE limit at a given distance</u>	
Equation from page 18 of OET Bulletin 65, Edition 97-01	
	$S = \frac{PG}{4\pi R^2}$
where:	S = power density P = power input to the antenna G = power gain of the antenna in the direction of interest relative to an isotropic radiator R = distance to the center of radiation of the antenna
Maximum peak output power at the antenna terminal:	17.68 (dBm)
Maximum peak output power at the antenna terminal:	58.61381645 (mW)
Antenna gain(typical):	3.7 (dBi)
Maximum antenna gain:	2.344228815 (numeric)
Prediction distance:	20 (cm)
Prediction frequency:	2450 (MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1 (mW/cm^2)
Power density at prediction frequency:	0.027336 (mW/cm^2)
Therefore device complies with FCC RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)	