

FCC ID: 2AHPN -BE2842

Model: NGRadio

Device is an Automotive Infotainment Unit with Bluetooth. In normal installation, its antenna is more than 20cm away from users and therefore considered as a mobile device for RF exposure. Maximum Permissible Exposure (MPE) can be calculated as follows:

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				

Device has the following characteristics.

Radio	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	MPE (mW/cm ²)	Limit at 20cm (mW/cm ²)
Bluetooth	2402-2480	1.078	-1.74	0.000171	1.0

Per above, device complies with FCC's RF radiation exposure limits for general population as a mobile device (d >20cm).