

FCC ID: 2AHPN -BE2841

Model: PV602

Device is an Automotive Infotainment Unit with Bluetooth/WLAN. 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					
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	10.554	2.33	0.003865	1.0
802.11bgn(HT20)	2412-2462	14.685	2.3	0.009936	1.0
802.11n(HT40)	2422-2452	14.077	2.3	0.008638	1.0
802.11a/n(HT20)	5180-5240	10.407	3.72	0.005146	1.0
802.11n(HT40)	5190-5230	10.049	3.72	0.004738	1.0
802.11a/n(HT20)	5745-5825	10.264	3.72	0.004979	1.0
802.11n(HT40)	5755-5795	8.962	3.72	0.003689	1.0

Only Bluetooth and 2.4GHz WiFi can transmit simultaneously. There is no other simultaneous transmission configuration possible in the device.

$$MPE1/L1 + MPE2/L2 < 1$$

$$0.003865/1 + 0.009936/1 = 0.013801 < 1$$

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