

FCC ID: 2AHPN -BE2837

Model: GEN3.1 MID VA

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	5.936	0.38	0.000852	1.0
802.11bgn(20)	2412-2462	19.031	0.38	0.017371	1.0
802.11a/n(HT20)/ac(VHT20)	5180-5240	12.603	0.21	0.003802	1.0
802.11n(HT40)/ac(VHT40)	5190-5230	13.111	0.21	0.004274	1.0
802.11ac(VHT80)	5210-5210	12.421	0.21	0.003646	1.0
802.11a/n(HT20)/ac(VHT20)	5745-5825	14.695	0.21	0.006155	1.0
802.11n(HT40)/ac(VHT40)	5755-5795	14.669	0.21	0.006118	1.0
802.11ac(VHT80)	5775-5775	12.797	0.21	0.003976	1.0

None of the radios can transmit simultaneously.

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