

**FCC ID: 2AHPN -BE2833**

**Model: G31 MID**

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

$$S = \frac{PG}{4\pi R^2}$$

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 <sup>2</sup> )	Limit at 20cm (mW/cm <sup>2</sup> )
Bluetooth	2402-2480	3.277	1.18	0.000555	1.0
802.11bgn(20)	2412-2462	17.198	1.18	0.013694	1.0
802.11a/n(HT20)/ac(VHT20)	5180-5240	12.026	3.2	0.006627	1.0
802.11n(HT40)/ac(VHT40)	5190-5230	11.640	3.2	0.006064	1.0
802.11ac(VHT80)	5210-5210	11.824	3.2	0.006326	1.0
802.11a/n(HT20)/ac(VHT20)	5745-5825	13.353	3.2	0.008996	1.0
802.11n(HT40)/ac(VHT40)	5755-5795	13.433	3.2	0.009163	1.0
802.11ac(VHT80)	5775-5775	13.396	3.2	0.009085	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).