

Ref: GM401 FCC Statement
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FCC submission RF exposure information.

We have evaluated the GM401 module FCC ID PK5GM401 for the need to conduct SAR evaluation. The appropriate standards are Federal Communications Commission section 47 CFR § 2.1091, the ANSI/IEEE C95.1 1992 and the NCRP Report Number 86. All of these standards have the same exclusionary requirements. We intend to market this device as an OEM product. Consequently, specific antenna and feed line selections are not included, but instead are chosen by the OEM to best suit the application. Section FCC Statement in the Safety Guide (exhibit 8) provides the necessary text to comply with the FCC RF.

Due to the design and installation of this product, it qualifies for the exclusion called out in Federal Communications Commission section 47 CFR § 2.1091 titled "Radiofrequency radiation exposure evaluation: mobile devices." Based on the installation of the transceiver and the antenna, the transmitters radiating structure is more than 20 centimeters from the user. Thus, the GM401 module FCC ID PK5GM401 is a "mobile device" as defined in section § 2.1091 paragraph (b). Since the transceiver's transmit frequency is above 1.5GHz and its ERP with the specified antenna gain and cable loss of 3.6 dBi is below 2.0 Watts, the GM401 module FCC ID PK5GM401 is "categorically excluded from routine environmental evaluation" per paragraph (c), and thus SAR evaluation is not required.

Thus, the GM401 module FCC ID PK5GM401 does not require SAR evaluation.