RF Exposure evaluation for FCC ID: MYAMM904Z Part 22H

In this mobile application, the RF exposure considerations are identical to those for the incorporated transceiver module FCC ID: OE9Q2438X. A Grant restriction of 6 dBi applies to module antennas.

According to 47 CFR 2.1310, the MPE power density limit for the case of General Population exposure in this frequency band is F(MHz)/1500 in mW/cm^2. For a mid-band emission at 836.5 MHz, **the limit is therefore 0.56 mW/cm^2.**

MPE is estimated as: $$P(mW/cm^2) = \frac{P(\text{conducted power in mW}) \times G(\text{numeric antenna gain})}{4\pi r^2}$$

where r = 20 cm, the minimum separation distance for mobile devices.

This equation yields, for a measured maximum antenna port power of 231 mW (23.63 dBm) and numeric maximum antenna gain of 4 (6 dBi), an **estimated power density of 0.183 mW/cm^2.** This is well below the specified limit.