RF Exposure evaluation Product: Car/Marine Audio with AM/FM/WXA/SXM/BT/USB Model Number: UM1A FCC ID: OPDUM1A

According to 447498 D01 General RF Exposure Guidance v05 The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by: [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \leq 3.0$ for 1-g SAR and \leq 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest $\mathtt{m}\mathtt{W}$ and $\mathtt{m}\mathtt{m}$ before calculation

The result is rounded to one decimal place for comparison

Worse case is as below: [2402MHz -0.686dBm(0.8539mW) output power]

 $(0.8539 \text{mW} / 5 \text{mm}) \cdot [\sqrt{2.402(\text{GHz})}] = 0.264709 < 3.0 \text{ for } 1-\text{g SAR}$

Then SAR evaluation is not required