

US Tech Test Report
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 25, IC RSS-170 Certification
OWAMYTE
10540A-MYTE
17-0280
September 27, 2017
Geoforce Inc
SCC-002

4 RF Exposure Information

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S**, of 1 mW/cm² at a distance, d, of 20 cm from the EUT.

Therefore, for:

Peak Power (Watts) = 21.0 dBm (0.1259 Watts) (from Table 3, herein)
Gain of Transmit Antenna = 5.0 dB_i = 3.16, numeric (from Paragraph 2.5, herein)
d = Distance = 20 cm = 0.2 m

$$\begin{aligned} \mathbf{S} &= (PG / 4\pi d^2) = EIRP/4A = 0.1259 (3.16)/4*\pi*0.2*0.2 \\ &= 0.3978/0.502 = 0.7925 \text{ W/m}^2 \\ &= 0.07925 \text{ mW/cm}^2 \end{aligned}$$

Which is << less than 1 mW/cm²