



MPE/RF EXPOSURE REPORT

FCC CFR 47 Part 1.1310

Report No.: XCOL08-U3 Rev A

Company: Globalstar, Inc

Model Name: XCOMRU30N480

MPE/RF EXPOSURE REPORT

Company: Globalstar, Inc

Model: XCOMRU30N48O

To: FCC CFR 47 Part 1.1310

Report Serial No.: XCOL08-U3 Rev A

This report supersedes: NONE

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels

Power Density = Pd (mW/cm²) = EIRP/(4*π*d²)

EIRP = P * G

P = Peak output power (mW)

G = Antenna numeric gain (numeric)

d = Separation distance (cm)

Numeric Gain = 10 ^ (G (dBi)/10)

Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 1mW / cm².

These calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Power Density (mW/cm ²) @ 20cm	Power Density Limit (mW/cm ²)	Min Calculated safe distance for Limit (cm)
3550 – 3700	17.21	52.60	29.56	903.65	9.46	1.00	61.50

The antenna gain used in the above calculation takes into account antenna cable loss of 1.09 dB.

Conclusion

From above assessment the minimum safe distance for the Globalstar Inc. XCOMRU30N48O to meet the RF exposure limits in a General Population/Uncontrolled environment is **62 cm**

Specification

Maximum Permissible Exposure Limits - General Population/Uncontrolled Exposure FCC §1.1310 (e) (1)

Limit = 1mW / cm² from 1.310 Table 1.



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