



MPE/RF EXPOSURE REPORT

FCC CFR 47 Part 1.1310

Report No.: XCOL07-U3 Rev A

Company: Globalstar, Inc

Model Name: XCOMRU30N48I

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Model: XCOMRU30N48I

To: FCC CFR 47 Part 1.1310

Report Serial No.: XCOL07-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	6.0	3.98	29.56	903.65	0.7157	1.00	16.92

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

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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