

CRESTRON

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$$S = \frac{PG}{4\pi r^2}$$

where:

S= power density (in appropriate units, e.g. mW/cm²)

P= power input to the antenna (in appropriate units, e.g., mW)

G= power gain of the antenna in the direction of interest relative to an isotropic radiator

R= distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Product: CSM-QMTDC-DRP-3-EX

FCC ID: EROQMTDCDRP3

IC: 5683C-QMTDCDRP3

P		G		R	MPE Calculation Frequency	MPE Limit at Frequency Uncontrolled Exposure	S
(dBm)	(mw)	(dBi)	(numeric)	(Cm)	(MHz)	mW/cm ²	mW/cm ²
7.1	5.129	2.1	1.622	20	2405	1	0.0016547
Max antenna gain allowed with calculated S:						29.91	dBi
Result: S calculated at 20cm distance is < Limit 1mW/cm ²							

Enter Values