Maximum Permissible Exposure (MPE) Evaluation

Applicant   : JVC KENWOOD Corporation
Equipment   : VHF DIGITAL TRANSCEIVER
Model No.   : NX-5600H-F3, VM5630H-F3
FCC ID   : K44499100

MPE Calculations
FCC Part 1.1310

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

$$R = \sqrt{\frac{PG}{4\pi S}}$$

Where:
S=Power density (in appropriate units, e.g. mW/cm^2)
P=Power input to 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)

Tx Frequency=   39 to 50   (MHz)   : FCC

Maximum peak power=   50.49   (dBm)   (=112W)
Antenna gain=   2.15   (dBi)

S=	0.20	(mW/cm^2)	(Uncontrolled Environment)
P=	56000.00	(mW)	(=Maximum peak power x Dutycycle50%)
G=	1.64	(numeric)	
R=	191.19	(cm)	

Calculated minimum separation distance from antenna :   191.19 (cm)