Maximum Permissible Exposure (MPE) Evaluation

Applicant   : JVC KENWOOD Corporation
Equipment   : 900MHz DIGITAL TRANSCEIVER
Model No.   : NX-901-K
FCC ID   : K44409301
IC CN and UPN   : 282F-409301

MPE Calculations
According to the OET Bulletin 65 (Edition 97-01)

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

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

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=	901	to	902	(MHz)	: FCC/IC	
	940	to	941	(MHz)	: FCC/IC	
Maximum peak power=			38.45	(dBm)	(=7W)	
Antenna gain=			2.15	(dBi)		
S=			0.60	(mW/cm^2)		
P=			4200.00	(mW)	(=Maximum peak power x 120% x Dutycycle 50%)	
G=			1.64	(numeric)		
R=			30.21	(cm)		

P = Value calculated according to CFR Part 90.205(s)

Calculated minimum separation distance from antenna :   30.21 (cm)