Intertek

Maximum Permissible Exposure (MPE) Evaluation

Applicant   : JVC KENWOOD Corporation
Equipment   : UHF DIGITAL TRANSCEIVER with Bluetooth
FCC Model No.   : NX-5800-K2, NX-5800-F2
IC Model No.   : NX-5800-K2
FCC ID   : K44471201
IC CN and UPN   : 282F-471201

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

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

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= 2402 to 2480 [MHz]

Maximum peak power=	0.72 [dBm]	: From Test Report No.: 14080361JMA-001
Antenna gain=	1.69 [dBi]	

P=   1.18 [mW]
G=   1.48 [numeric]
R=   20.00 [cm]

Calculated Power density :   0.0003   [mW/cm^2]