## Maximum Permissible Exposure (MPE) Evaluation

| Applicant | $:$ Kenwood Corporation |
| :--- | :--- |
| Equipment | $:$ VHF FM TRANSCEIVER |
| Model No. | $:$ TK-7302H-1,TK-7302HV-1 |
| FCC ID | $:$ K44407601 |
| IC CN and UPN | $: 282 F-407601$ |

## MPE Calculations

According to the OET Bulletin 65 (Edition 97-01)
$S=\frac{P G}{4 \pi R^{2}}$
$R=\sqrt{\frac{P G}{4 \pi S}}$
Where:
$\mathrm{S}=$ Power density (in appropriate units, e.g. $\mathrm{mW} / \mathrm{cm}^{2}$ )
$\mathrm{P}=$ 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
$\mathrm{R}=$ Distance to the center of radiation of the antenna (appropriate units, e.g., cm)

$\mathrm{P}=$ Value calculated according to CFR Part 90.205(s)

