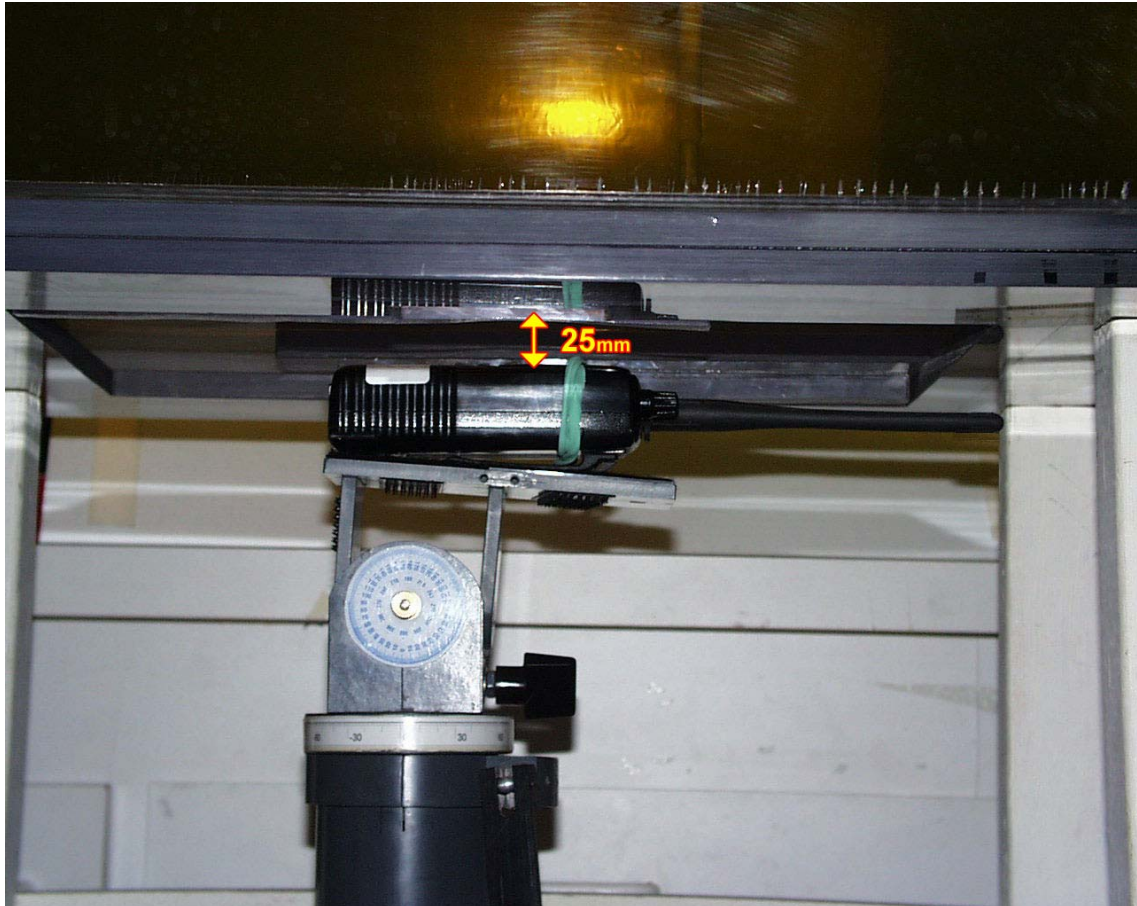


## 1.1. HEAD FRONT CONFIGURATION

### 1.1.1. Push-To-Talk

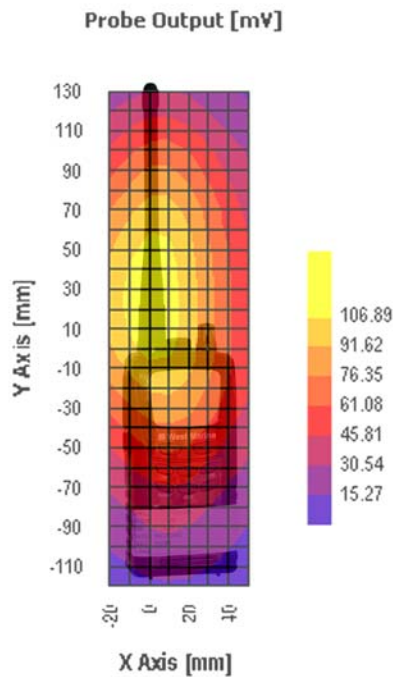
#### 1.1.1.1. *Photograph of D.U.T. position*



### 1.1.1.2. SAR Measurement

#	Configuration	Device Test Positions	Antenna Position	Freq. [MHz]	Channel	MAX SAR [W/Kg]
01	High Power (36.51 dBm conducted)	25 mm separation (Push-To-Talk)	Fixed	156.800	CH16	1.529 (3.058)

\* The SAR Measurement inside the parenthesis indicates the reading before 50 % duty factor is applied for the half-duplex type PTT



Unless otherwise specified, the reference point (0, 0) in the plots was set to the point at the base of antenna in the projected image of D.U.T. to the phantom surface.

1.1.1.3. High Power Mode

Test date [MM/DD/YYYY]	01/28/2003
Test by	JaeWook Choi
Room temperature [°C]	21
Room humidity [%]	50
Simulated tissue temperature [°C]	21
Separation distance, d [mm]	25
Test frequency [MHz]	156.800
E-field Probe	M/N: E-TR, S/N: UT-0200-1, Sensor Offset: 2.0 mm
Sensor Factor ( $\eta_{Pd}$ ) [mV/(mW/cm <sup>2</sup> )]	10.8
Amplifier Settings (AS <sub>1</sub> , AS <sub>2</sub> , AS <sub>3</sub> )	0.01158954, 0.01040087, 0.01319890
Tissue Type	Brain
Measured conductivity [S/m]	0.79 (+3.9 %)
Measured dielectric constant	54.1 (+3.4 %)
Conversion Factor ( $\gamma$ )	7.623
Sensitivity ( $\zeta$ ) [W/Kg/mV]	0.036
Power [mW]	4,477 conducted
Measurement Volume Specification (X × Y × Z)	5 <sub>pts</sub> × 5 <sub>pts</sub> × 7 <sub>pts</sub> , 20 <sub>mm</sub> × 20 <sub>mm</sub> × 30 <sub>mm</sub> , Resolution: 5 <sub>mm</sub> × 5 <sub>mm</sub> × 5 <sub>mm</sub>
SAR <sub>Ig</sub> [W/Kg]	3.058

