

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.5
Relative HUMIDITY (%)	59.9
Atmospheric PRESSURE (kPa)	99.8

Mixture Type:	450MHz Muscle
Dielectric Constant:	57.5
Conductivity:	0.82

13.4 Measurement Results (Body SAR with BELTCLIP)

FREQUENCY		Modulation	POWER * (Watts)	Separation Distance (cm)**	Antenna Position	SAR (W/kg)
MHz	Ch.					
462.5625	01	FM	0.316	1.8 cm [w/ BeltClip]	Fixed	0.413
467.7125	14	FM	0.310	1.8 cm [w/ BeltClip]	Fixed	0.400
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Battery Type ☒ Standard ☐ Extended
- * Power Measured ☐ Conducted ☐ EIRP ☒ ERP
- SAR Measurement System ☒ SPEAG ☐ IDX
- SAR Configuration ☐ Head ☒ Body ☐ Hand
- ** Test Configuration ☒ With BeltClip ☐ Without BeltClip


 Randy Ortanez
 President & Chief Engineer



Figure 19. Body SAR
 Test Setup

J COMMUNICATIONS Co. Ltd. Model:FR1538 -- FRF Body SAR

Generic Twin Phantom; Flat Section; Probe: ET3DV5 - SN1370 -- Probe Cal Date 02/00

Med. Parameters 450 MHz Muscle: $\sigma = 0.82$ mho/m $\epsilon_r = 57.5$ $\rho = 1.00$ g/cm³; Antenna Position -- Out; Crest Factor 1.0

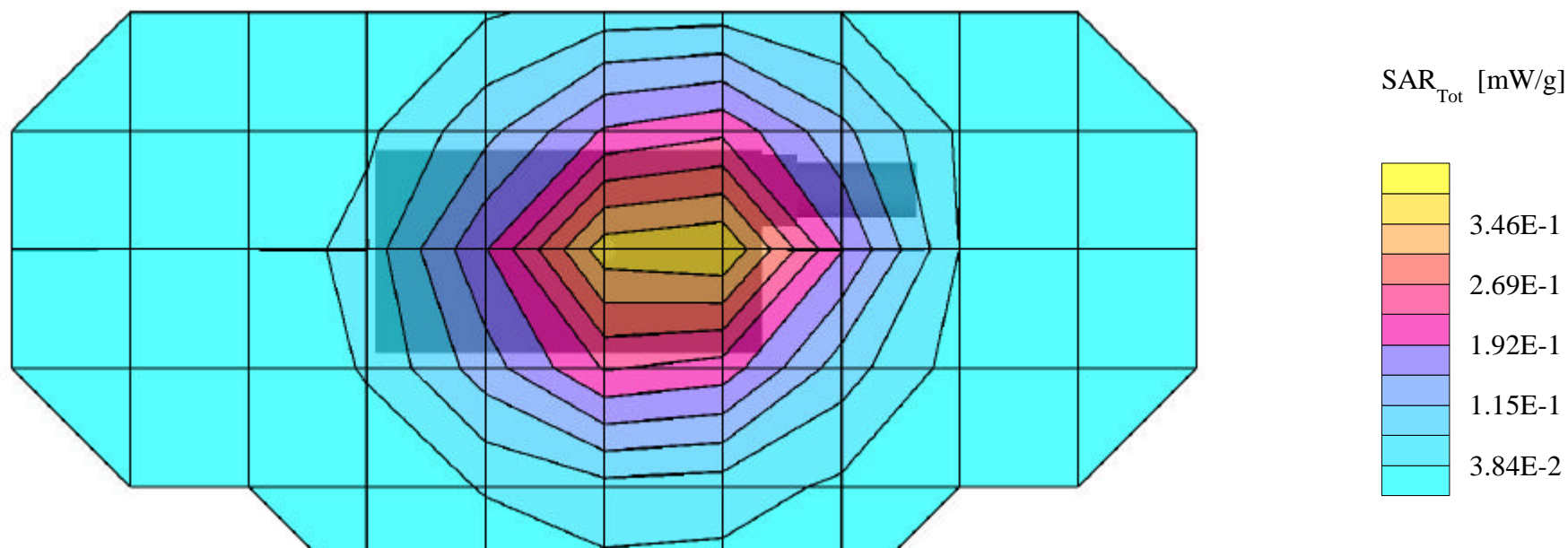
SAR (1g): 0.413 mW/g, SAR (10g): 0.302 mW/g

J Communications Co., Ltd. -- Family Radio Face-Held Transmitter [FRF]

2-Way FRS Radio Ch.01 [462.5625MHz]; Spacing = 1.8cm from flat phantom to back of radio, w/Beltclip

Measured Radiated Output Power = 24.99dBm [0.316W]

Test Date - 02-20-2001



J COMMUNICATIONS Co. Ltd. Model:FR1538 -- FRF Body SAR

Generic Twin Phantom; Flat Section; Probe: ET3DV5 - SN1370 -- Probe Cal Date 02/00

Med. Parameters 450 MHz Muscle: $\sigma = 0.82$ mho/m $\epsilon_r = 57.5$ $\rho = 1.00$ g/cm³; Antenna Position -- Out; Crest Factor 1.0

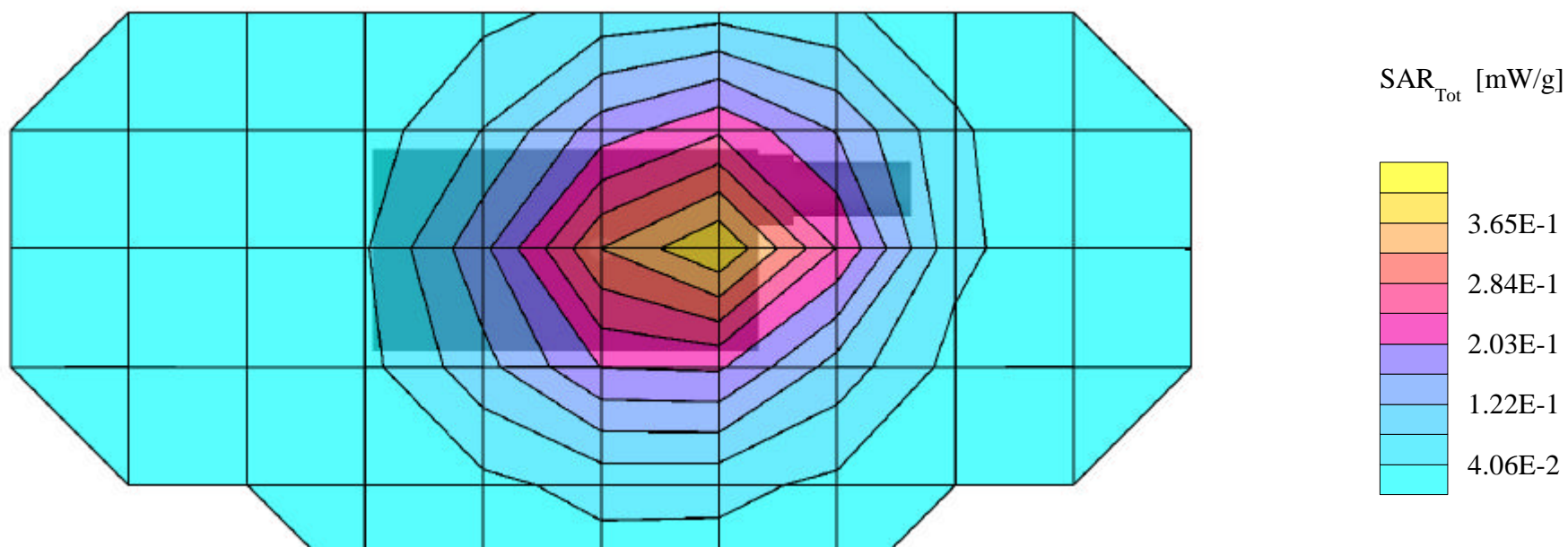
SAR (1g): 0.400 mW/g, SAR (10g): 0.291 mW/g

J Communications Co., Ltd. -- Family Radio Face-Held Transmitter [FRF]

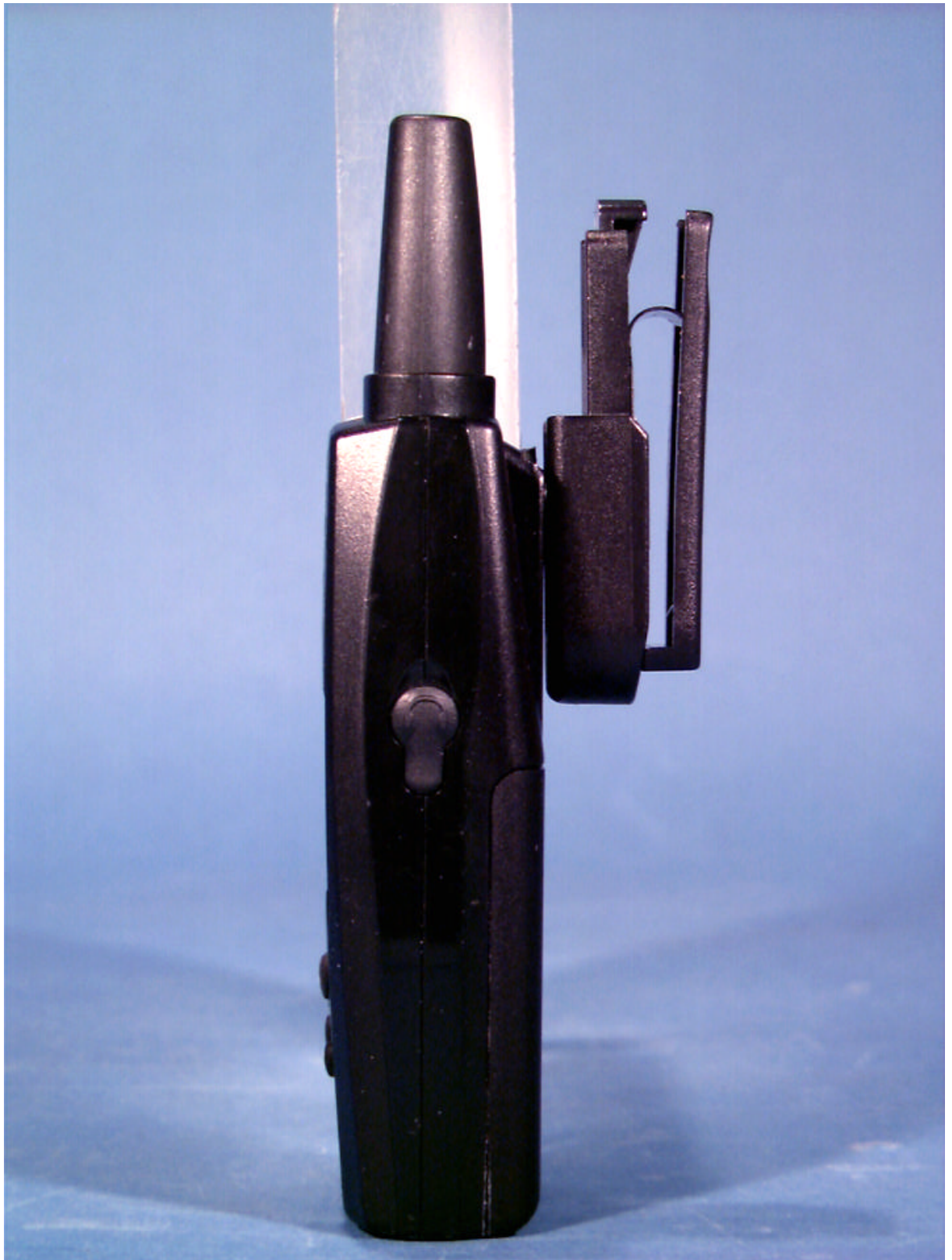
2-Way FRS Radio Ch.14 [467.7125MHz]; Spacing = 1.8cm from flat phantom to back of radio, w/Beltclip

Measured Radiated Output Power = 24.90dBm [0.310W]

Test Date - 02-20-2001

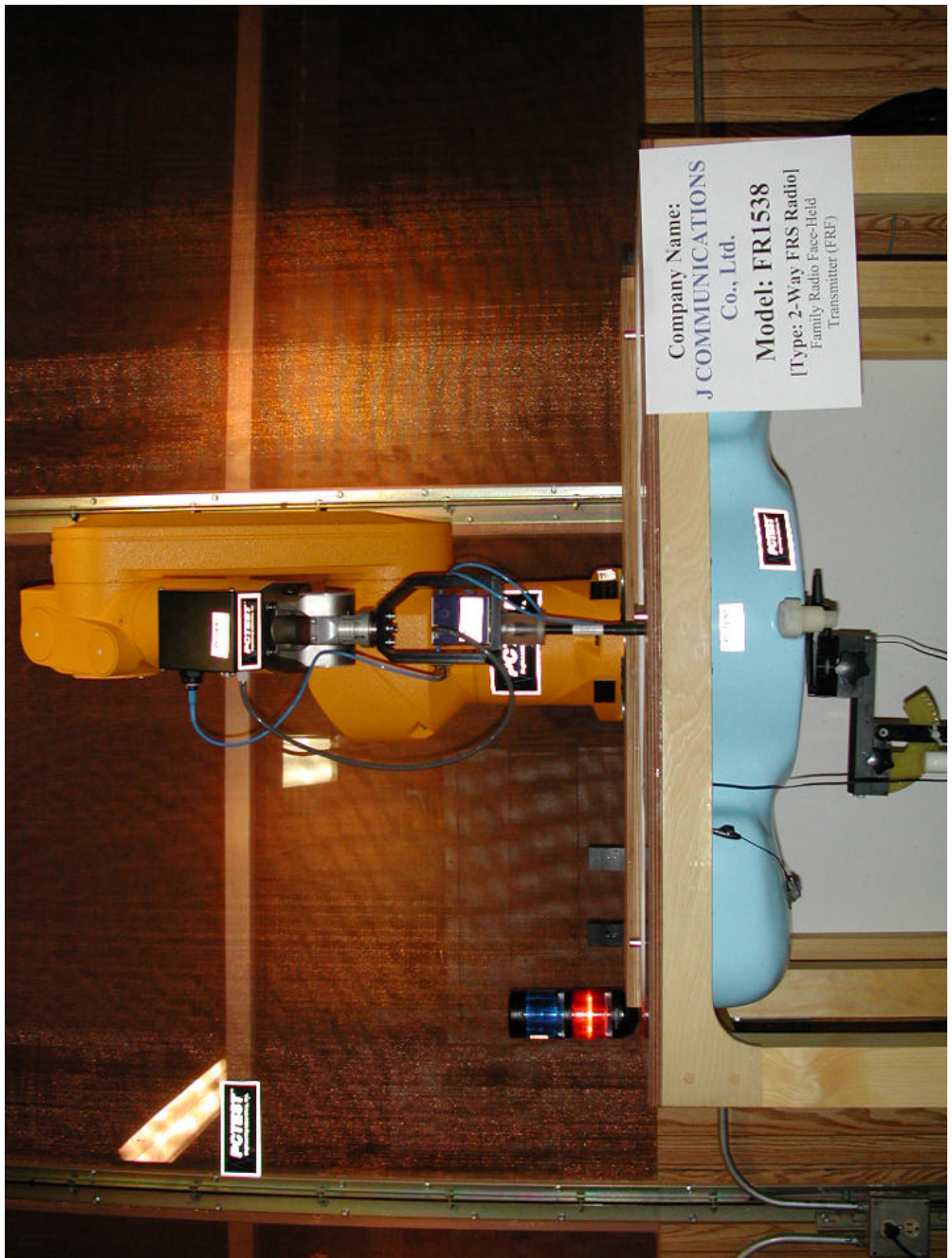


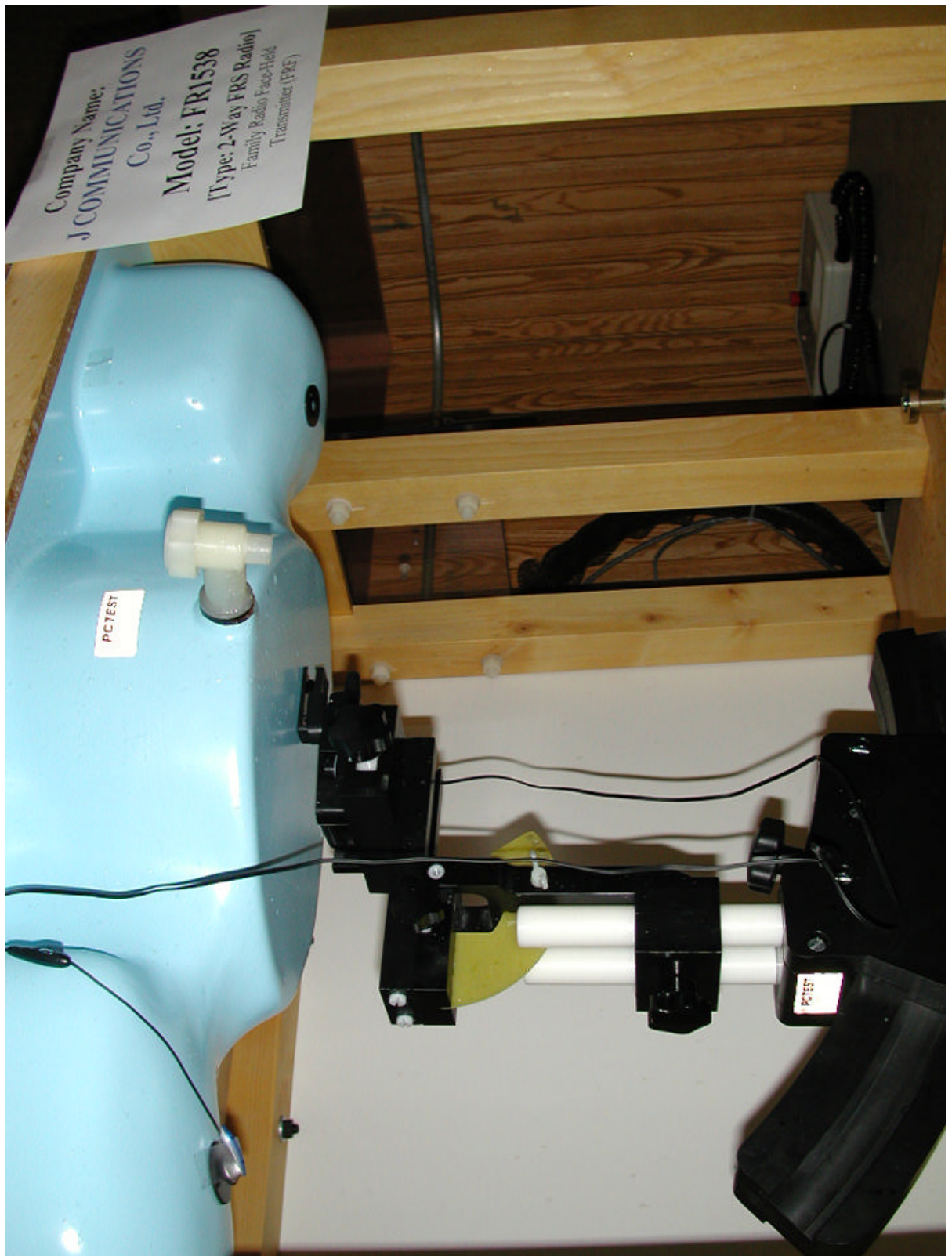


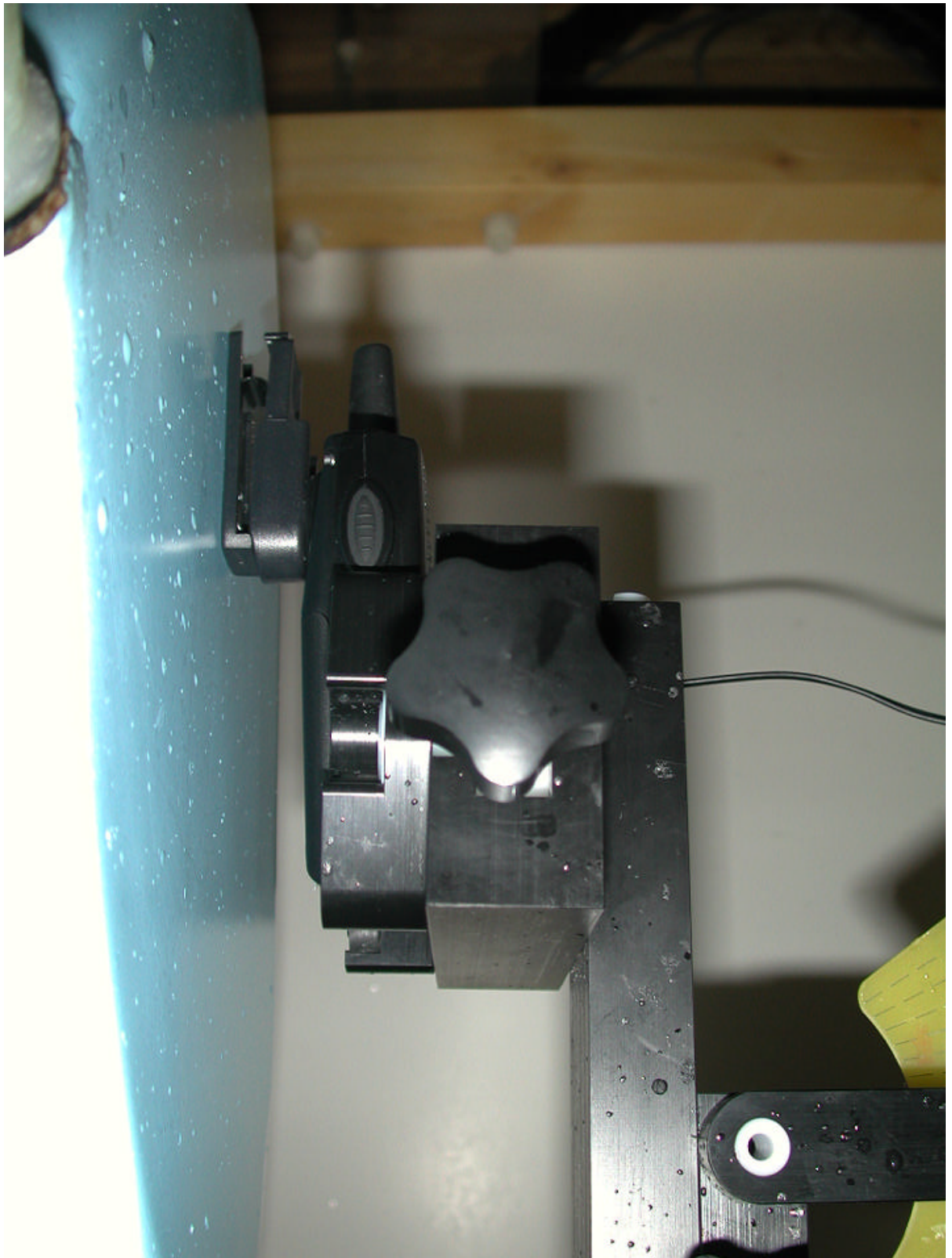










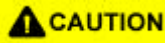


FCC RF EXPOSURE INFORMATION

WARNING! *Read this information before using your phone*



In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.



Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Safety Information

Your radio contains a low power transmitter. When the Push-to-Talk button is pushed it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

Body-worn Operation

To maintain compliance with the FCC's RF Exposure requirements hold the transmitter and antenna at least 1 inches (2.5 cm) from your face and speak in a normal voice, with the antenna pointed up and away from the face. If you wear the handset on your body while using the headset accessory, use only the supplied belt clip for this product.