

9.1 TEST POSITION OF THE EUT

9.2 EUT TEST SETUP

The EUT was tested in operating condition with the significant source of RF emissions (antenna) placed 2.1 cm below the torso of the phantom, producing a worst-case SAR measurement (See Figure 8).



Figure 8.
Test Setup of EUT in operating position with the source of significant emissions (antenna) 2.1 cm below the phantom.

12.1 SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Liquid TEMPERATURE (°C)	20.1
Relative HUMIDITY (%)	50.7
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Muscle
Dielectric Constant:	56.1
Conductivity:	0.95
Liquid Depth:	15.0 cm

Closest Distance (between Phantom & Antenna): 2.1 cm

12.2 Measurement Results (Body SAR)

FREQUENCY		Modulation	POWER (dBm)	Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.					
824.70	1013	CDMA	24.9	Flat	Fixed	1.2861
835.89	363	CDMA	24.9	Flat	Fixed	1.0755
848.31	777	CDMA	24.9	Flat	Fixed	1.0439
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Body 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☐ Head ☒ Body ☐ Hand


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Fig. 9
SAR Test Setup