

### 13.1 SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	22.0
Liquid TEMPERATURE (°C)	21.0
Relative HUMIDITY (%)	54.3
Atmospheric PRESSURE (kPa)	101.1

**Measured Values:**

Mixture Type: Brain  
 Dielectric Constant: 39.2  
 Conductivity: 1.80  
 Liquid Depth: 15.0 cm

Closest Distance (between E-Probe & Phone): 1.0 cm

### 13.2 Measurement Results (Handset Head SAR)

FREQUENCY		Modulation	POWER (W)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
2400.916645	01	FHSS	0.208	0.208	Left Tilt	Fixed	0.4643
2440.158968	45	FHSS	0.161	0.161	Left Tilt	Fixed	0.4221
2480.293161	90	FHSS	0.125	0.125	Left Tilt	Fixed	0.4076

**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.
- Battery condition is fully charged for all readings.
- Power Measured  Conducted  EIRP  ERP
- SAR Measurement System  SPEAG  IDX
- SAR Configuration  Head  Body  Hand

  
 Randy Ortanez  
 President



Fig. 14  
 Head SAR Test Setup

## 13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.0
Liquid TEMPERATURE (°C)	21.0
Relative HUMIDITY (%)	54.3
Atmospheric PRESSURE (kPa)	101.1

**Measured Values:**

Mixture Type: Brain

Dielectric Constant: 39.2

Conductivity: 1.80

Liquid Depth: 15.0 cm


Closest Distance (between E-Probe & Phone): 1.1 cm

### 13.3 Measurement Results (Handset Head SAR)

FREQUENCY		Modulation	POWER (W)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
2400.916645	01	FHSS	0.208	0.208	Right Tilt	Fixed	0.2200
2440.158968	45	FHSS	0.161	0.161	Right Tilt	Fixed	0.1783
2480.293161	90	FHSS	0.125	0.125	Right Tilt	Fixed	0.0893

**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.
- Battery condition is fully charged for all readings.
- Power Measured  Conducted  EIRP  ERP
- SAR Measurement System  SPEAG  IDX
- SAR Configuration  Head  Body  Hand

  
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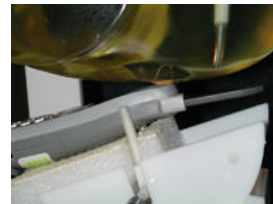


Fig. 15  
 Head SAR Test Setup

## 13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.0
Liquid TEMPERATURE (°C)	21.0
Relative HUMIDITY (%)	54.3
Atmospheric PRESSURE (kPa)	101.1

**Measured Values:**

Mixture Type: Brain

Dielectric Constant: 39.2

Conductivity: 1.80

Liquid Depth: 15.0


Closest Distance (between E-Probe & Phone): 1.2 cm

## 13.4 Measurement Results (Handset Head SAR)

FREQUENCY		Modulation	POWER (W)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
2400.916645	01	FHSS	0.208	0.208	Left Cheek	Fixed	0.2027
2440.158968	45	FHSS	0.161	0.161	Left Cheek	Fixed	0.1703
2480.293161	90	FHSS	0.125	0.125	Left Cheek	Fixed	0.1196

**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.
- Battery condition is fully charged for all readings.
- Power Measured  Conducted  EIRP  ERP
- SAR Measurement System  SPEAG  IDX
- SAR Configuration  Head  Body  Hand

  
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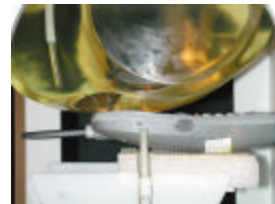


Fig. 16  
 Head SAR Test Setup

## 13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.0
Liquid TEMPERATURE (°C)	21.0
Relative HUMIDITY (%)	54.3
Atmospheric PRESSURE (kPa)	101.1

**Measured Values:**

Mixture Type: Brain

Dielectric Constant: 39.2

Conductivity: 1.80

Liquid Depth: 15.0


Closest Distance (between E-Probe & Phone): 1.3 cm

### 13.5 Measurement Results (Handset Head SAR)

FREQUENCY		Modulation	POWER (W)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
2400.916645	01	FHSS	0.208	0.208	Right Cheek	Fixed	0.0508
2440.158968	45	FHSS	0.161	0.161	Right Cheek	Fixed	0.0340
2480.293161	90	FHSS	0.125	0.125	Right Cheek	Fixed	0.0391

**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.
- Battery condition is fully charged for all readings.
- Power Measured  Conducted  EIRP  ERP
- SAR Measurement System  SPEAG  IDX
- SAR Configuration  Head  Body  Hand

  
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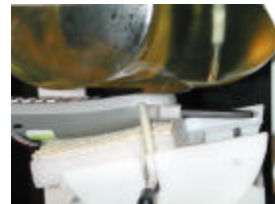


Fig. 17  
 Head SAR Test Setup

### 13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.0
Liquid TEMPERATURE (°C)	21.0
Relative HUMIDITY (%)	54.3
Atmospheric PRESSURE (kPa)	101.1

**Measured Values:**


Mixture Type:	Muscle
Dielectric Constant:	52.7
Conductivity:	1.95
Liquid Depth:	15.0 cm

### 13.6 Measurement Results (Handset Body SAR)

FREQUENCY		Modulation	POWER* (W)		Separation Distance (cm)	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
2400.916645	01	FHSS	0.208	0.208	0.5	Fixed	1.1506
2440.158968	45	FHSS	0.161	0.161	0.5	Fixed	0.8926
2480.293161	90	FHSS	0.125	0.125	0.5	Fixed	0.5275

NOTES:

- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- \* Power Measured  Conducted  EIRP  ERP
- SAR Measurement System  SPEAG  IDX
- SAR Configuration  Head  Body  Hand

  
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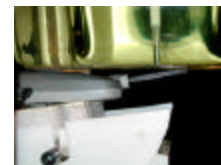


Fig. 22  
 Body SAR Test Setup

### 13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.0
Liquid TEMPERATURE (°C)	21.0
Relative HUMIDITY (%)	54.3
Atmospheric PRESSURE (kPa)	101.1

**Measured Values:**


Mixture Type:	Muscle
Dielectric Constant:	52.7
Conductivity:	1.95
Liquid Depth:	15.0 cm

### 13.7 Measurement Results (Basetest Body SAR)

FREQUENCY		Modulation	POWER* (W)		Separation Distance (cm)	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
2400.916645	01	FHSS	0.066	0.066	Touch	Right	0.2817
2440.158968	45	FHSS	0.066	0.066	Touch	Right	0.1737
2480.293161	90	FHSS	0.064	0.064	Touch	Right	0.2429
2400.916645	01	FHSS	0.064	0.064	Touch	Left	0.3112
2440.158968	45	FHSS	0.050	0.050	Touch	Left	0.2528
2480.293161	90	FHSS	0.050	0.050	Touch	Left	0.3911

NOTES:

- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- \* Power Measured  Conducted  EIRP  ERP
- SAR Measurement System  SPEAG  IDX
- SAR Configuration  Head  Body  Hand

  
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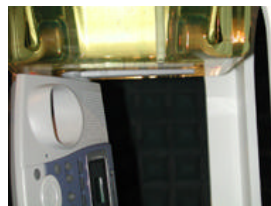


Fig. 23  
 Body SAR Test Setup  
 (left antenna)

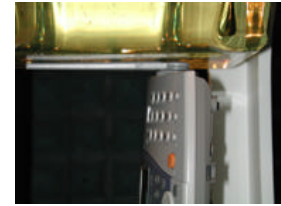


Fig. 24  
 Body SAR Test Setup  
 (right antenna)