

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.4
Relative HUMIDITY (%)	59.5
Atmospheric PRESSURE (kPa)	99.7

Mixture Type:	835MHz Muscle
Dielectric Constant:	56.2
Conductivity:	0.95

13.3 Measurement Results (CELLULAR CDMA Body SAR)

FREQUENCY		Modulation	POWER * (dBm)	Separation Distance (cm)**	Antenna Position	SAR (W/kg)
MHz	Ch.					
824.70	1013	CDMA	24.5 [Standard Battery]	1.0 cm [w/o Holster]	In	0.388
824.70	1013	CDMA	24.5 [Standard Battery]	1.0 cm [w/o Holster]	Out	0.597
835.89	0363	CDMA	24.5 [Standard Battery]	1.0 cm [w/o Holster]	In	0.394
835.89	0363	CDMA	24.5 [Standard Battery]	1.0 cm [w/o Holster]	Out	0.639
848.31	0777	CDMA	24.5 [Standard Battery]	1.0 cm [w/o Holster]	In	0.386
848.31	0777	CDMA	24.5 [Standard Battery]	1.0 cm [w/o Holster]	Out	0.490
835.89	0363	CDMA	24.5 [Extended Battery]	1.0 cm [w/o Holster]	In	0.378
835.89	0363	CDMA	24.5 [Extended Battery]	1.0 cm [w/o Holster]	Out	0.621
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:

- 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 ☐ Body Holster ☒ Without Body Holster


Randy Ortanez
President & Chief Engineer

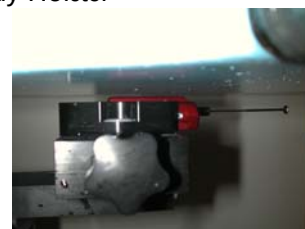


Figure 18. Body SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.4
Relative HUMIDITY (%)	59.5
Atmospheric PRESSURE (kPa)	99.7

Mixture Type:	835 MHz Muscle
Dielectric Constant:	56.2
Conductivity:	0.95

13.4 Measurement Results (Cellular CDMA Hand SAR)

FREQUENCY		Modulation	POWER * (dBm)	Separation Distance (cm)**	Antenna Position	SAR (W/kg)
MHz	Ch.					
824.70	1013	CDMA	24.5 [Standard Battery]	Touch	In	0.522
824.70	1013	CDMA	24.5 [Standard Battery]	Touch	Out	0.616
835.89	0363	CDMA	24.5 [Standard Battery]	Touch	In	0.671
835.89	0363	CDMA	24.5 [Standard Battery]	Touch	Out	0.291
848.31	0777	CDMA	24.5 [Standard Battery]	Touch	In	0.539
848.31	0777	CDMA	24.5 [Standard Battery]	Touch	Out	0.597
835.89	0363	CDMA	24.5 [Extended Battery]	Touch	In	0.656
835.89	0363	CDMA	24.5 [Extended Battery]	Touch	Out	0.583
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Hand 4.0 W/kg (mW/g) averaged over 10 grams		

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


Randy Ortanez
President & Chief Engineer



Figure 19. Hand SAR Test Setup

SAMSUNG FCC ID:A3LSCHA212 -- Cellular CDMA Body SAR

Generic Twin Phantom; Flat Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01

Med. Parameters 835 MHz Muscle: $\sigma = 0.95$ mho/m $\epsilon_r = 56.2$ $\rho = 1.00$ g/cm³; Antenna Position -- In; Crest Factor 1.0

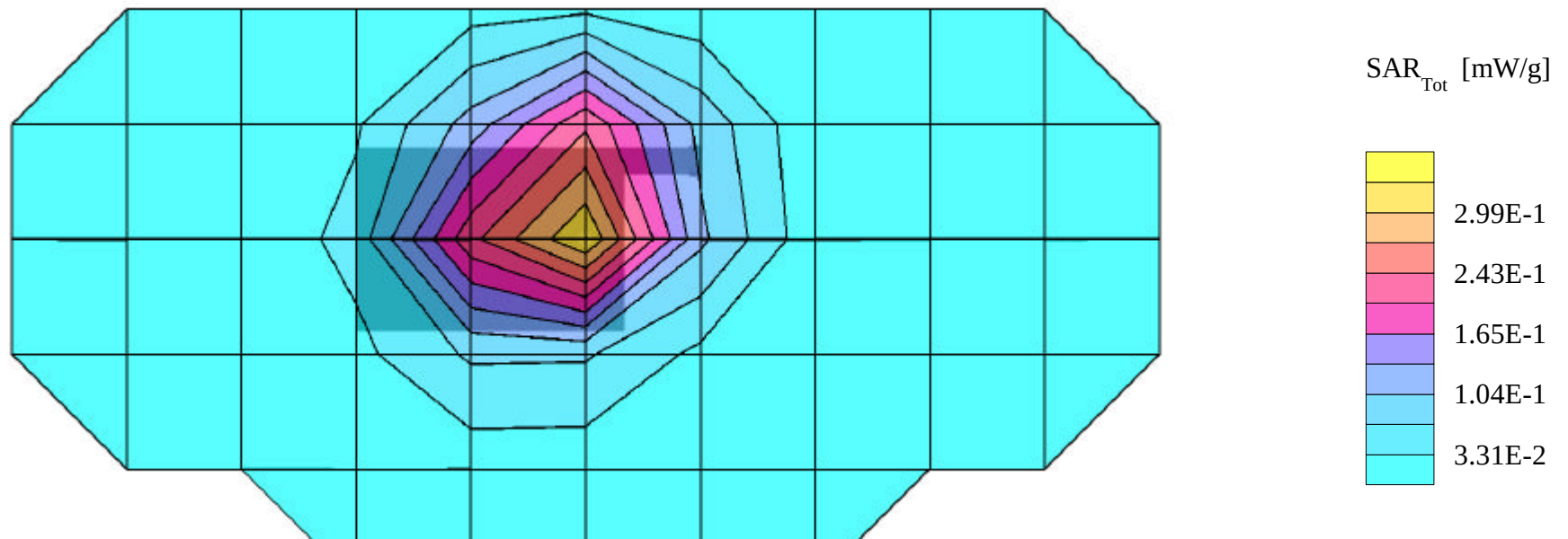
SAR (1g): 0.378 mW/g, SAR (10g): 0.258 mW/g

SAMSUNG Cellular CDMA Only Phone Model: SCH-A212

Cellular CDMA Mode, Ch.0363 [835.89MHz]; Flip = Closed w/EXTENDED BATTERY

Conducted Power = 24.5dBm; Spacing = 1.0cm from flat phantom to phone, w/o beltclip or holster

Test Date -- 05/02/2001



SAMSUNG FCC ID:A3LSCHA212 -- Cellular CDMA Hand SAR

Generic Twin Phantom; Flat Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01

Med. Parameters 835 MHz Muscle: $\sigma = 0.95$ mho/m $\epsilon_r = 56.2$ $\rho = 1.00$ g/cm³; Antenna Position -- In; Crest Factor 1.0

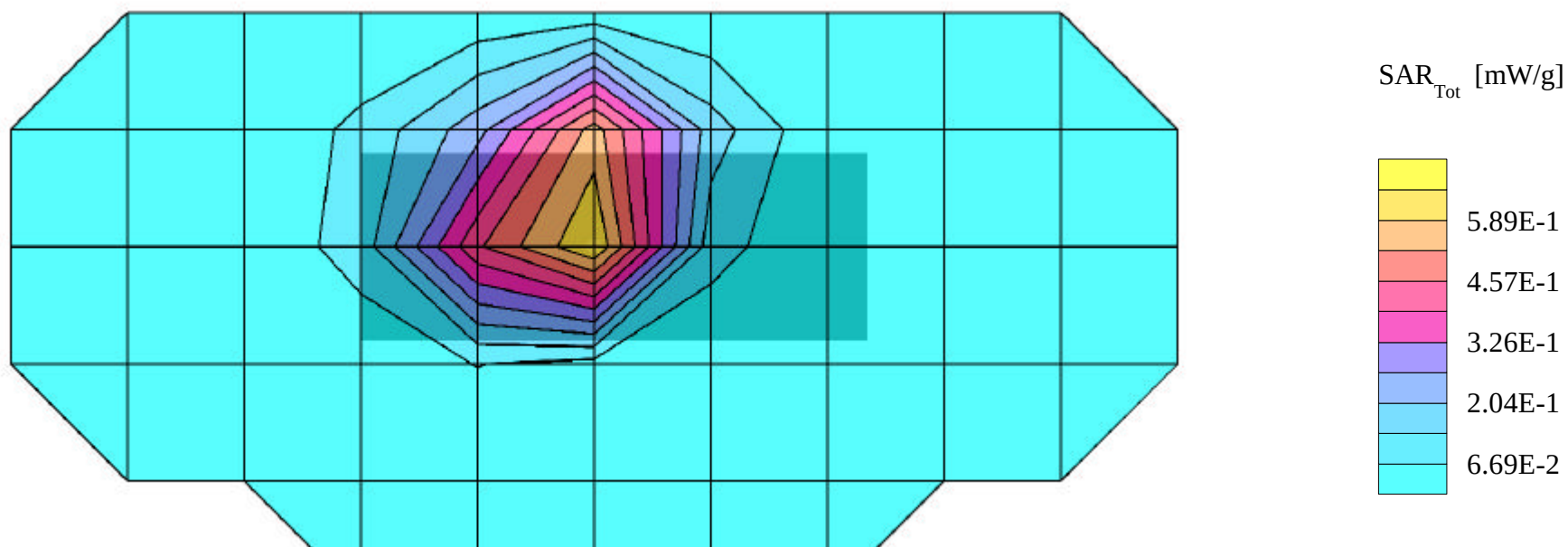
SAR (1g): 1.01 mW/g, **SAR (10g): 0.656 mW/g**

SAMSUNG Cellular CDMA Only Phone Model: SCH-A212

Cellular CDMA Mode, Ch.0363 [835.89MHz]; Flip = Open w/EXTENDED BATTERY

Conducted Power = 24.5dBm; Spacing = touching phone to flat phantom

Test Date -- 05/02/2001



SAMSUNG FCC ID:A3LSCHA212 -- Cellular CDMA Hand SAR

Generic Twin Phantom; Flat Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01

Med. Parameters 835 MHz Muscle: $\sigma = 0.95$ mho/m $\epsilon_r = 56.2$ $\rho = 1.00$ g/cm³; Antenna Position -- Out; Crest Factor 1.0

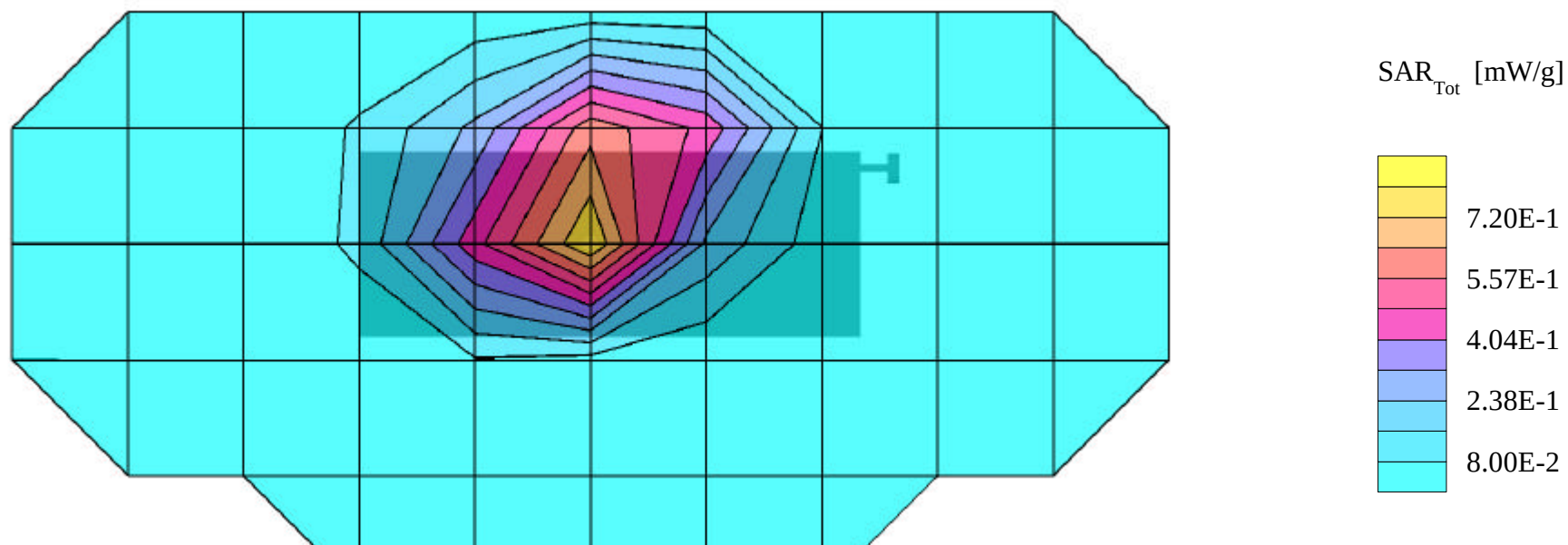
SAR (1g): 0.828 mW/g, **SAR (10g): 0.583 mW/g**

SAMSUNG Cellular CDMA Only Phone Model: SCH-A212

Cellular CDMA Mode, Ch.0363 [835.89MHz]; Flip = Open w/EXTENDED BATTERY

Conducted Power = 24.5dBm; Spacing = touching phone to flat phantom

Test Date -- 05/02/2001



SAMSUNG FCC ID:A3LSCHA212 -- Cellular CDMA Body SAR

Generic Twin Phantom; Flat Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01

Med. Parameters 835 MHz Muscle: $\sigma = 0.95$ mho/m $\epsilon_r = 56.2$ $\rho = 1.00$ g/cm³; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 0.621 mW/g, SAR (10g): 0.424 mW/g

SAMSUNG Cellular CDMA Only Phone Model: SCH-A212

Cellular CDMA Mode, Ch.0363 [835.89MHz]; Flip = Closed w/EXTENDED BATTERY

Conducted Power = 24.5dBm; Spacing = 1.0cm from flat phantom to phone, w/o beltclip or holster

Test Date -- 05/02/2001

