Appendix 3. SAR Distribution Scans

This appendix contains SAR distribution scans which are not included in the total number of pages for this report.

Scan Reference Number	Title
SCN/90579JD02/001	Touch Left GSM CH190
SCN/90579JD02/002	Tilt Left GSM CH190
SCN/90579JD02/003	Touch Right GSM CH190
SCN/90579JD02/004	Tilt Right GSM CH190
SCN/90579JD02/005	Touch Left GSM CH128
SCN/90579JD02/006	Touch Left GSM CH251
SCN/90579JD02/007	Front of EUT Facing Phantom GPRS CH190
SCN/90579JD02/008	Back of EUT Facing Phantom GPRS CH190
SCN/90579JD02/009	Left Hand Side of EUT Facing Phantom GPRS CH190
SCN/90579JD02/010	Right Hand Side of EUT Facing Phantom GPRS CH190
SCN/90579JD02/011	Bottom of EUT Facing Phantom GPRS CH190
SCN/90579JD02/012	Front of EUT Facing Phantom GPRS CH128
SCN/90579JD02/013	Front of EUT Facing Phantom GPRS CH251
SCN/90579JD02/014	Front of EUT Facing Phantom at 15mm GSM CH190
SCN/90579JD02/015	Front of EUT Facing Phantom at 15mm GSM CH128
SCN/90579JD02/016	Front of EUT Facing Phantom at 15mm GSM CH251
SCN/90579JD02/017	Front of EUT Facing Phantom at 15mm with PHF GSM CH251
SCN/90579JD02/018	Touch Left PCS CH661
SCN/90579JD02/019	Tilt Left PCS CH661
SCN/90579JD02/020	Touch Right PCS CH661
SCN/90579JD02/021	Tilt Right PCS CH661
SCN/90579JD02/022	Touch Left PCS CH512
SCN/90579JD02/023	Touch Left PCS CH810
SCN/90579JD02/024	Front of EUT Facing Phantom GPRS CH661
SCN/90579JD02/025	Back of EUT Facing Phantom GPRS CH661
SCN/90579JD02/026	Left Hand Side of EUT Facing Phantom GPRS CH661
SCN/90579JD02/027	Right Hand Side of EUT Facing Phantom GPRS CH661
SCN/90579JD02/028	Bottom Side of EUT Facing Phantom GPRS CH661
SCN/90579JD02/029	Bottom Side of EUT Facing Phantom GPRS CH512
SCN/90579JD02/030	Bottom Side of EUT Facing Phantom GPRS CH810
SCN/90579JD02/031	Back of EUT Facing Phantom at 15mm PCS CH512
SCN/90579JD02/032	Back of EUT Facing Phantom at 15mm PCS CH661
SCN/90579JD02/033	Back of EUT Facing Phantom at 15mm PCS CH810

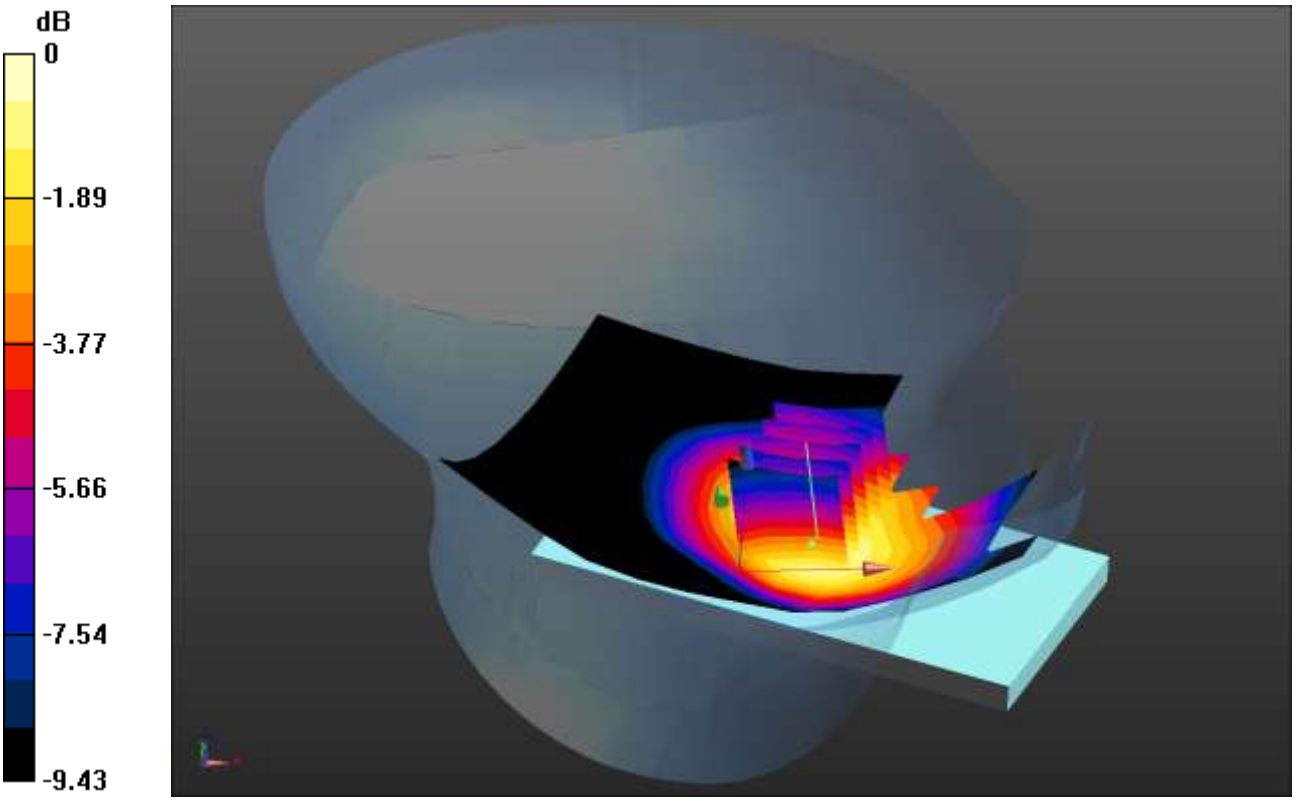
SAR Distribution Scans (Continued):	
Scan Reference Number	**Title**
SCN/90579JD02/034	Back of EUT Facing Phantom with PHF at 15mm PCS CH512
SCN/90579JD02/035	Touch Left UMTS FDD 5 CH4183
SCN/90579JD02/036	Tilt Left UMTS FDD 5 CH4183
SCN/90579JD02/037	Touch Right UMTS FDD 5 CH4183
SCN/90579JD02/038	Tilt Right UMTS FDD 5 CH4183
SCN/90579JD02/039	Touch Left UMTS FDD 5 CH4132
SCN/90579JD02/040	Touch Left UMTS FDD 5 CH4233
SCN/90579JD02/041	Front of EUT Facing Phantom FDD 5 CH4183
SCN/90579JD02/042	Back of EUT Facing Phantom FDD 5 CH4183
SCN/90579JD02/043	Left Hand Side of EUT Facing Phantom FDD 5 CH4183
SCN/90579JD02/044	Right Hand Side of EUT Facing Phantom FDD 5 CH4183
SCN/90579JD02/045	Bottom of EUT Facing Phantom FDD 5 CH4183
SCN/90579JD02/046	Front of EUT Facing Phantom FDD 5 CH4132
SCN/90579JD02/047	Front of EUT Facing Phantom FDD 5 CH4233
SCN/90579JD02/048	Front of EUT Facing Phantom at 15mm FDD 5 CH4183
SCN/90579JD02/049	Front of EUT Facing Phantom at 15mm FDD 5 CH4132
SCN/90579JD02/050	Front of EUT Facing Phantom at 15mm FDD 5 CH4233
SCN/90579JD02/051	Front of EUT Facing Phantom at 15mm with PHF FDD 5 CH4132
SCN/90579JD02/052	Touch Left LTE Band 5 10MHz BW 1RB Middle CH20525
SCN/90579JD02/053	Touch Left LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/054	Tilt Left LTE Band 5 10MHz BW 1 RB Middle CH20525
SCN/90579JD02/055	Tilt Left LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/056	Touch Right LTE Band 5 10MHz BW 1 RB Middle CH20525
SCN/90579JD02/057	Touch Right LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/058	Tilt Right LTE Band 5 10MHz BW 1 RB Middle CH20525
SCN/90579JD02/059	Tilt Right LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/060	Touch Left LTE Band 5 10MHz BW 1 RB Middle CH20450
SCN/90579JD02/061	Touch Left LTE Band 5 10MHz BW 1 RB Middle CH20600
SCN/90579JD02/062	Front of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
SCN/90579JD02/063	Front of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/064	Back of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
SCN/90579JD02/065	Back of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/066	Left Hand Side of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525

SAR Distribution Scans (Continued):	
Scan Reference Number	**Title**
SCN/90579JD02/067	Left Hand Side of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/068	Right Hand Side of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
SCN/90579JD02/069	Right Hand Side of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/070	Bottom of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
SCN/90579JD02/071	Bottom of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
SCN/90579JD02/072	Front of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20450
SCN/90579JD02/073	Front of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20600
SCN/90579JD02/074	Front of EUT Facing Phantom With PHF at 15mm Separation LTE Band 5 10MHz BW 1RB Middle CH20600
SCN/90579JD02/075	Touch Left LTE Band 5 1.4MHz BW 1 RB Middle CH20525
SCN/90579JD02/076	Touch Left LTE Band 5 1.4MHz BW 50% RB Middle CH20525
SCN/90579JD02/077	Tilt Left LTE Band 5 1.4MHz BW 1 RB Middle CH20525
SCN/90579JD02/078	Tilt Left LTE Band 5 1.4MHz BW 50% RB Middle CH20525
SCN/90579JD02/079	Touch Right LTE Band 5 1.4MHz BW 1 RB Middle CH20525
SCN/90579JD02/080	Touch Right LTE Band 5 1.4MHz BW 50% RB Middle CH20525
SCN/90579JD02/081	Tilt Right LTE Band 5 1.4MHz BW 1 RB Middle CH20525
SCN/90579JD02/082	Tilt Right LTE Band 5 1.4MHz BW 50% RB Middle CH20525
SCN/90579JD02/083	Touch Left LTE Band 5 1.4MHz BW 50% RB Middle CH20407
SCN/90579JD02/084	Touch Left LTE Band 5 1.4MHz BW 50% RB Middle CH20643
SCN/90579JD02/085	Front of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
SCN/90579JD02/086	Front of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
SCN/90579JD02/087	Back of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
SCN/90579JD02/088	Back of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
SCN/90579JD02/089	Left Hand Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
SCN/90579JD02/090	Left Hand Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
SCN/90579JD02/091	Right Hand Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
SCN/90579JD02/092	Right Hand Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525

SAR Distribution Scans (Continued):	
Scan Reference Number	**Title**
SCN/90579JD02/093	Bottom Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
SCN/90579JD02/094	Bottom Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
SCN/90579JD02/095	Front of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20407
SCN/90579JD02/096	Front of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20643
SCN/90579JD02/097	Front of EUT Facing Phantom With PHF 15mm Separation LTE Band 5 1.4MHz BW 1RB Middle CH20525
SCN/90579JD02/098	Touch Left WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/099	Tilt Left WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/100	Touch Right WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/101	Tilt Right WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/102	Touch Left WiFi 802.11b 11Mpbs CH1
SCN/90579JD02/103	Touch Left WiFi 802.11b 11Mpbs CH11
SCN/90579JD02/104	Front of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/105	Back of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/106	Left Hand Side of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/107	Right Hand Side of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/108	Top of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
SCN/90579JD02/109	Back of EUT Facing Phantom WiFi 802.11b 11Mpbs CH1
SCN/90579JD02/110	Back of EUT Facing Phantom WiFi 802.11b 11Mpbs CH11
SCN/90579JD02/111	Back of EUT Facing Phantom at 15mm WiFi 802.11b 11Mpbs CH11
SCN/90579JD02/112	Back of EUT Facing Phantom with PHF at 15mm WiFi 802.11b 11Mpbs CH11
SCN/90579JD02/113	Touch Left Wi-Fi 5.0GHz 802.11a 6Mbps CH36
SCN/90579JD02/114	Tilt Left Wi-Fi 5.0GHz 802.11a 6Mbps CH36
SCN/90579JD02/115	Touch Right Wi-Fi 5.0GHz 802.11a 6Mbps CH36
SCN/90579JD02/116	Tilt Right Wi-Fi 5.0GHz 802.11a 6Mbps CH36
SCN/90579JD02/117	Touch Left Wi-Fi 5.0GHz 802.11a 6Mbps CH64
SCN/90579JD02/118	Touch Left Wi-Fi 5.0GHz 802.11a 6Mbps CH136
SCN/90579JD02/119	Touch Left Wi-Fi 5.0GHz 802.11a 6Mbps CH157
SCN/90579JD02/120	Touch Left Wi-Fi 5.0GHz 802.11n HT40 13.5Mbps CH38
SCN/90579JD02/121	Touch Left Wi-Fi 5.0GHz 802.11n HT40 13.5Mbps CH54
SCN/90579JD02/122	Touch Left Wi-Fi 5.0GHz 802.11n HT40 13.5Mbps CH126
SCN/90579JD02/123	Touch Left Wi-Fi 5.0GHz 802.11n HT40 13.5Mbps CH159
SCN/90579JD02/124	System Performance Check 900MHz Head 17 12 12
SCN/90579JD02/125	System Performance Check 900 MHz Head 18 12 12

SAR Distribution Scans (Continued):	
Scan Reference Number	**Title**
SCN/90579JD02/126	System Performance Check 900 MHz Head 27 12 12
SCN/90579JD02/127	System Performance Check 900MHz Head 28 12 12
SCN/90579JD02/128	System Performance Check 900MHz Body 19 12 12
SCN/90579JD02/129	System Performance Check 900MHz Body 20 12 12
SCN/90579JD02/130	System Performance Check 900MHz Body 21 12 12
SCN/90579JD02/131	System Performance Check 900MHz Body 26 12 12
SCN/90579JD02/132	System Performance Check 900MHz Body 03 01 13
SCN/90579JD02/133	System Performance Check 900MHz Body 04 01 13
SCN/90579JD02/134	System Performance Check 1900MHz Head 19 12 12
SCN/90579JD02/135	System Performance Check 1900MHz Body 07 01 13
SCN/90579JD02/136	System Performance Check 2450MHz Head 02 01 13
SCN/90579JD02/137	System Performance Check 2450MHz Head 03 01 13
SCN/90579JD02/138	System Performance Check 2450MHz Body 07 01 13
SCN/90579JD02/139	System Performance Check 2450MHz Body 08 01 13
SCN/90579JD02/140	System Performance Check 5200 MHz Head 09 01 13
SCN/90579JD02/141	System Performance Check 5200 MHZ Head 10 01 13
SCN/90579JD02/142	System Performance Check 5500 MHz Head 10 01 13
SCN/90579JD02/143	System Performance Check 5800 MHz Head 10 01 13
SCN/90579JD02/144	System Performance Check 5200 MHz Head 14 01 13
SCN/90579JD02/145	System Performance Check 5500 MHz Head 14 01 13
SCN/90579JD02/146	System Performance Check 5800 MHz Head 14 01 13

SCN/90579JD02/001: Touch Left GSM CH190
Date: 17/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

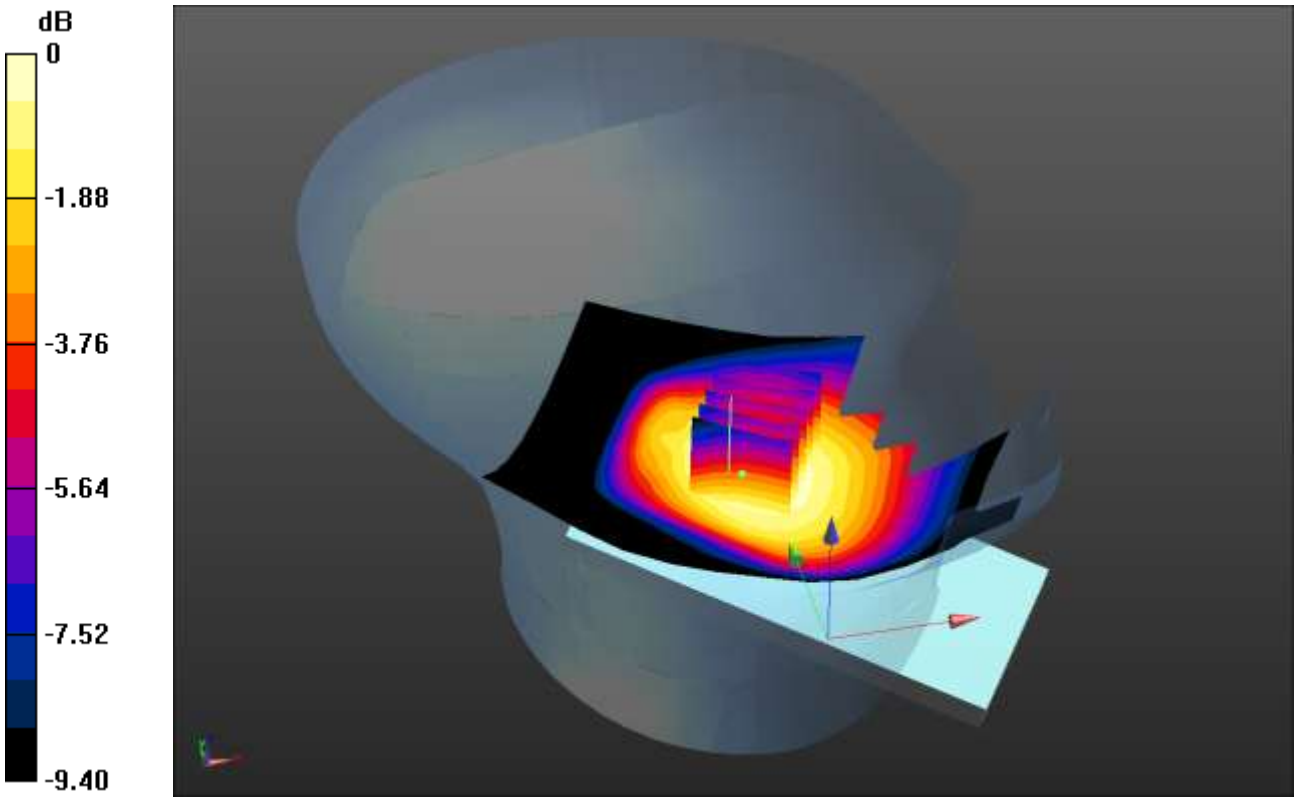


0 dB = 0.429 W/kg = -3.68 dBW/kg

Communication System: Generic GSM; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.934 mho/m; ε_r = 43.105; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.415 W/kg
Configuration/Touch Left - Middle/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.388 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.527 W/kg
SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.297 W/kg
Maximum value of SAR (measured) = 0.429 W/kg

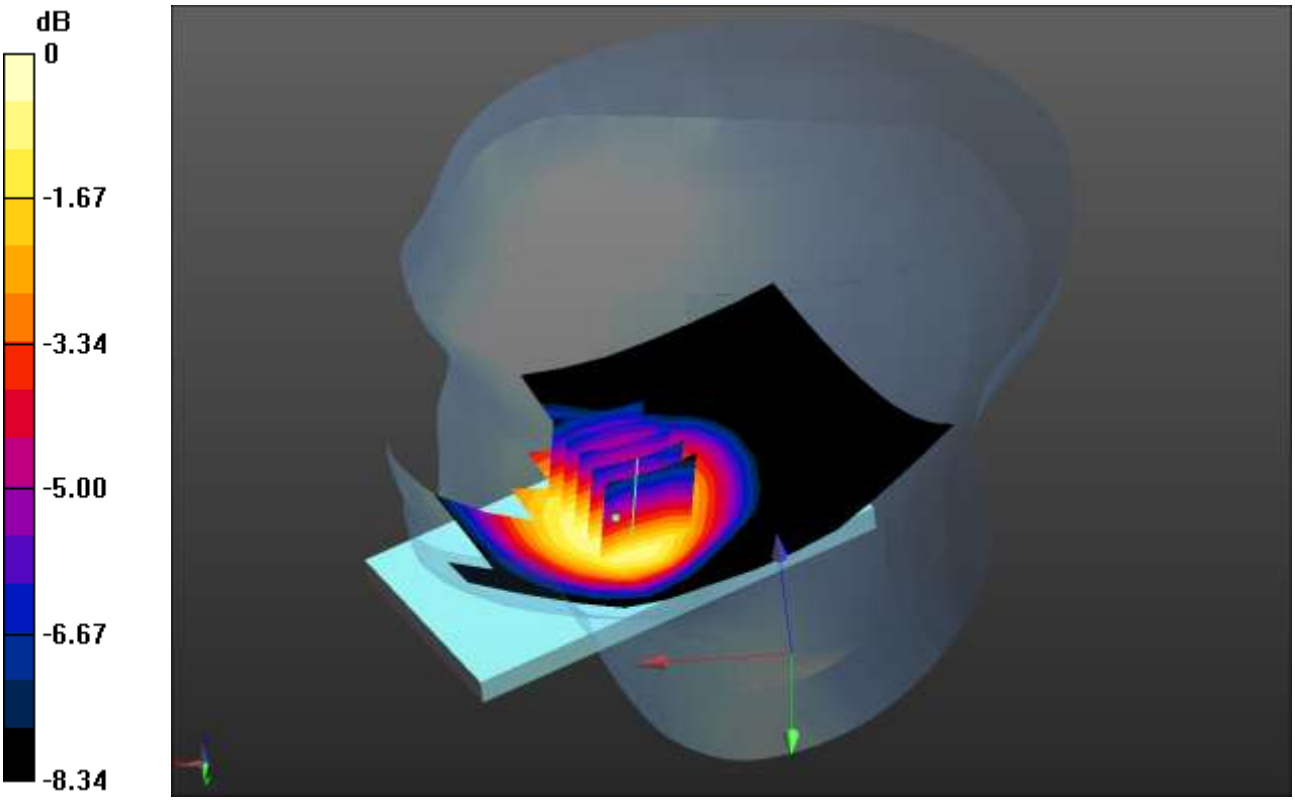
SCN/90579JD02/002: Tilt Left GSM CH190
Date: 17/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.205 W/kg = -6.88 dBW/kg
Communication System: Generic GSM; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.934 mho/m; ε_r = 43.105; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.217 W/kg
Configuration/Tilt Left - Middle/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.294 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.153 W/kg
Maximum value of SAR (measured) = 0.205 W/kg

SCN/90579JD02/003: Touch Right GSM CH190
Date: 17/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

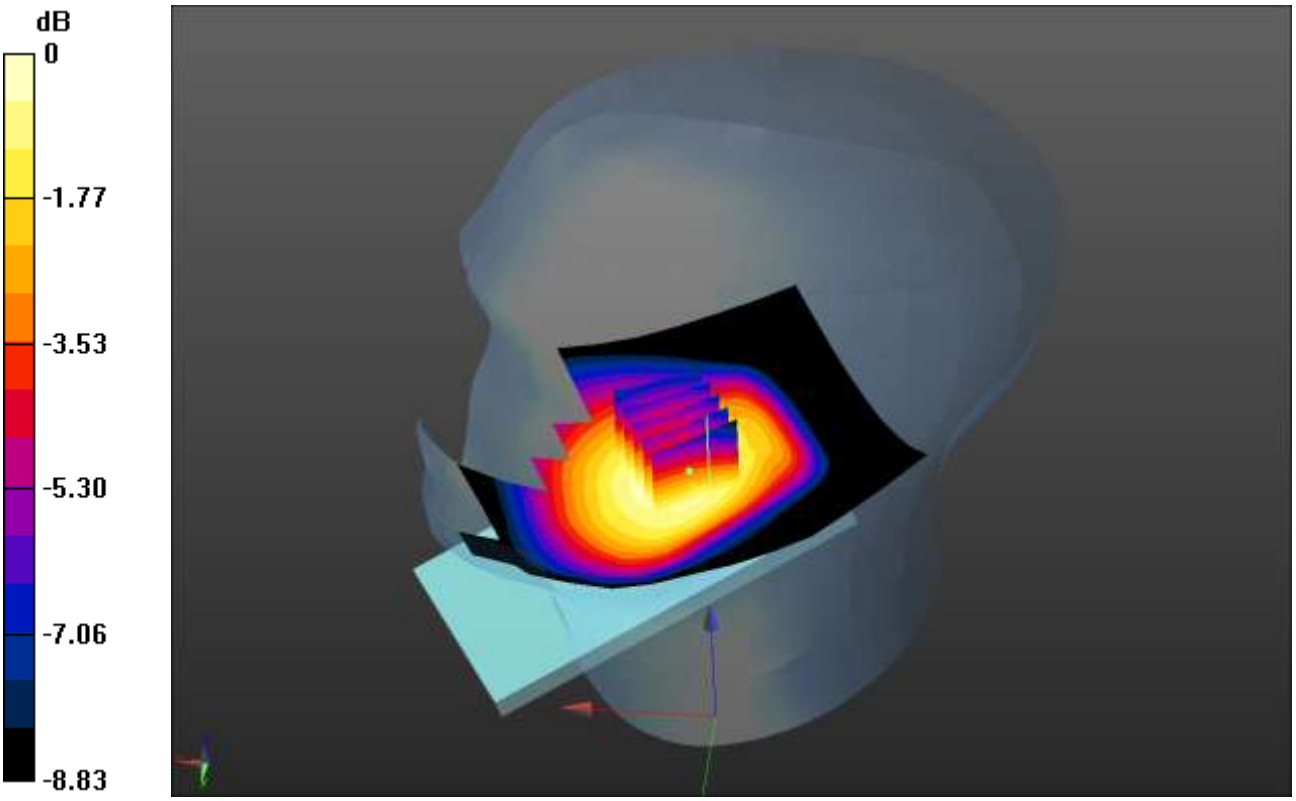


0 dB = 0.411 W/kg = -3.86 dBW/kg

Communication System: Generic GSM; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.934 mho/m; ε_r = 43.105; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Right- Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.406 W/kg
Configuration/Touch Right- Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.628 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.487 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.294 W/kg
Maximum value of SAR (measured) = 0.411 W/kg

SCN/90579JD02/004: Tilt Right GSM CH190
Date: 17/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

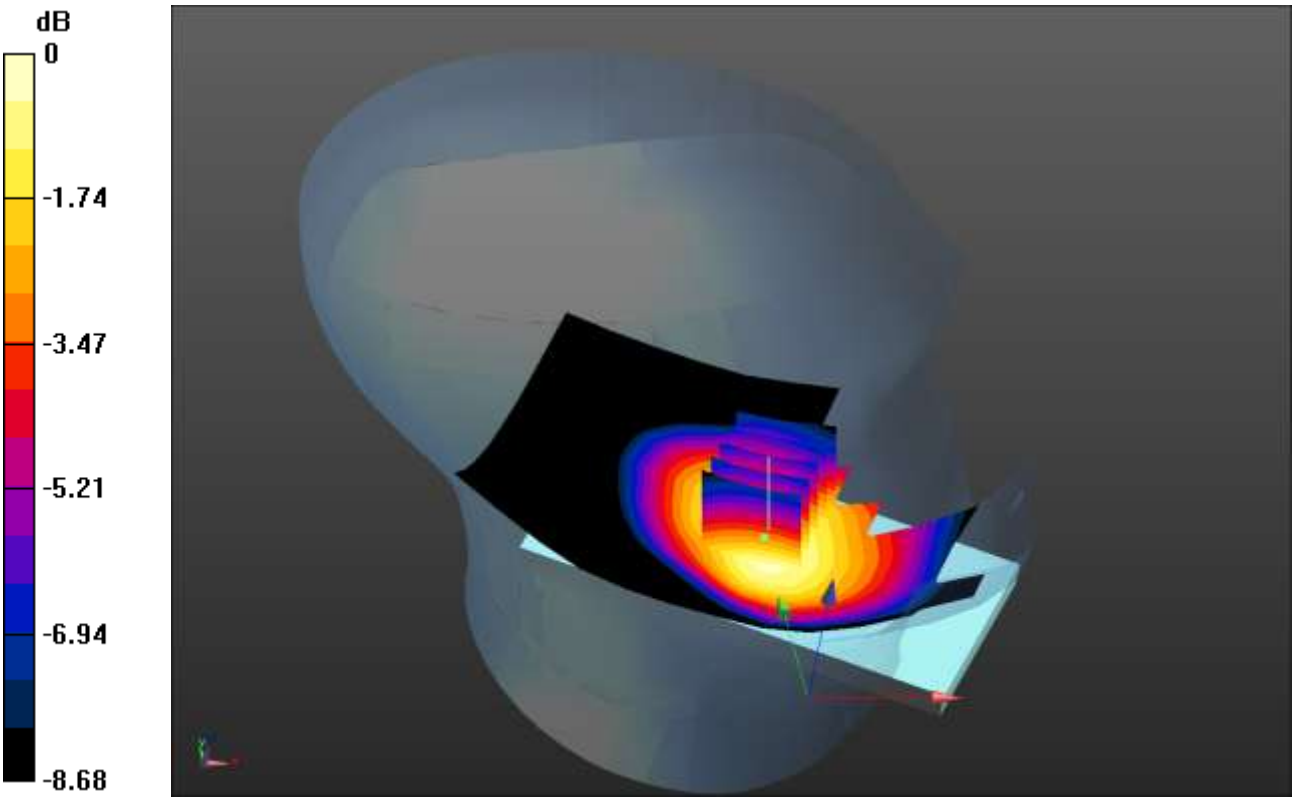


0 dB = 0.221 W/kg = -6.56 dBW/kg

Communication System: Generic GSM; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.934 mho/m; ε_r = 43.105; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Right - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.232 W/kg
Configuration/Tilt Right - Middle/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.847 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.260 W/kg
SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.167 W/kg
Maximum value of SAR (measured) = 0.221 W/kg

SCN/90579JD02/005: Touch Left GSM CH128
Date: 17/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

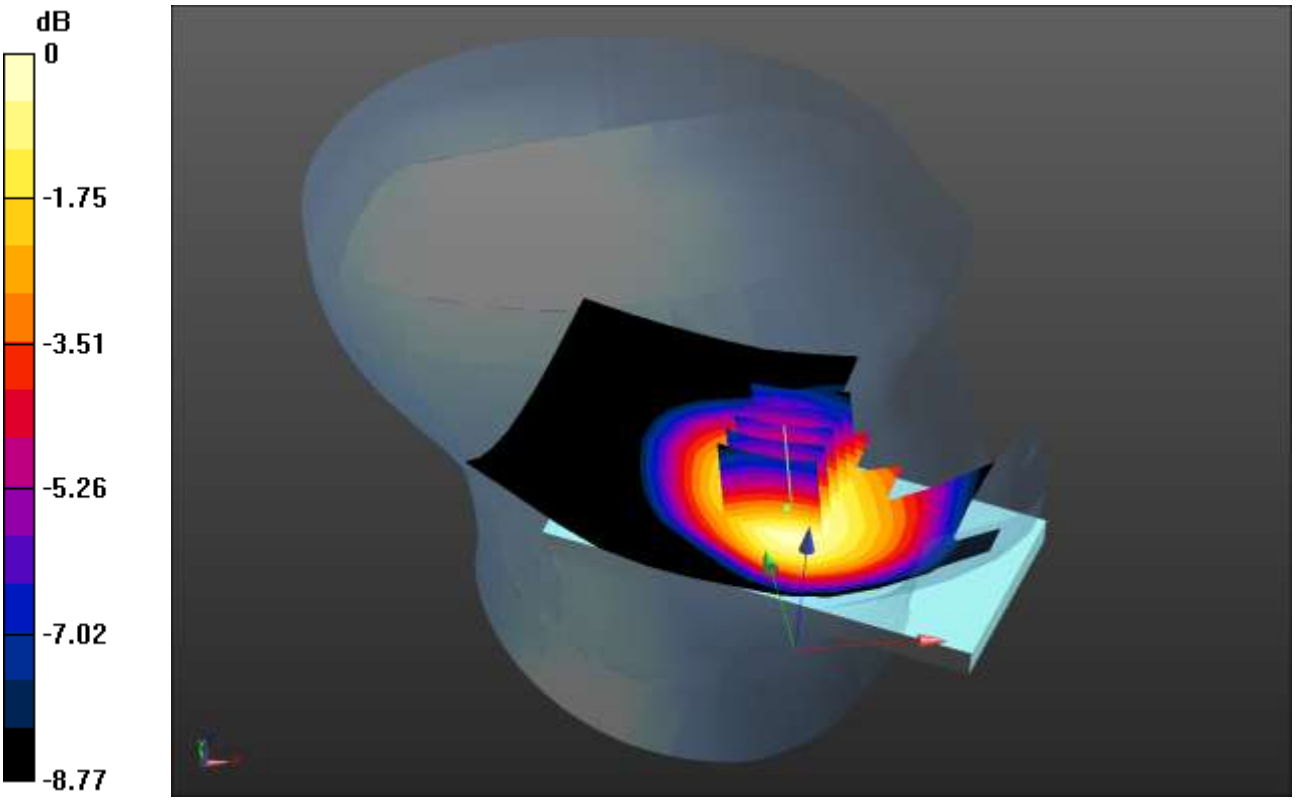


0 dB = 0.358 W/kg = -4.46 dBW/kg

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.926 mho/m; ε_r = 43.19; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Low/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.358 W/kg
Configuration/Touch Left - Low/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.947 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.420 W/kg
SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.254 W/kg
Maximum value of SAR (measured) = 0.358 W/kg

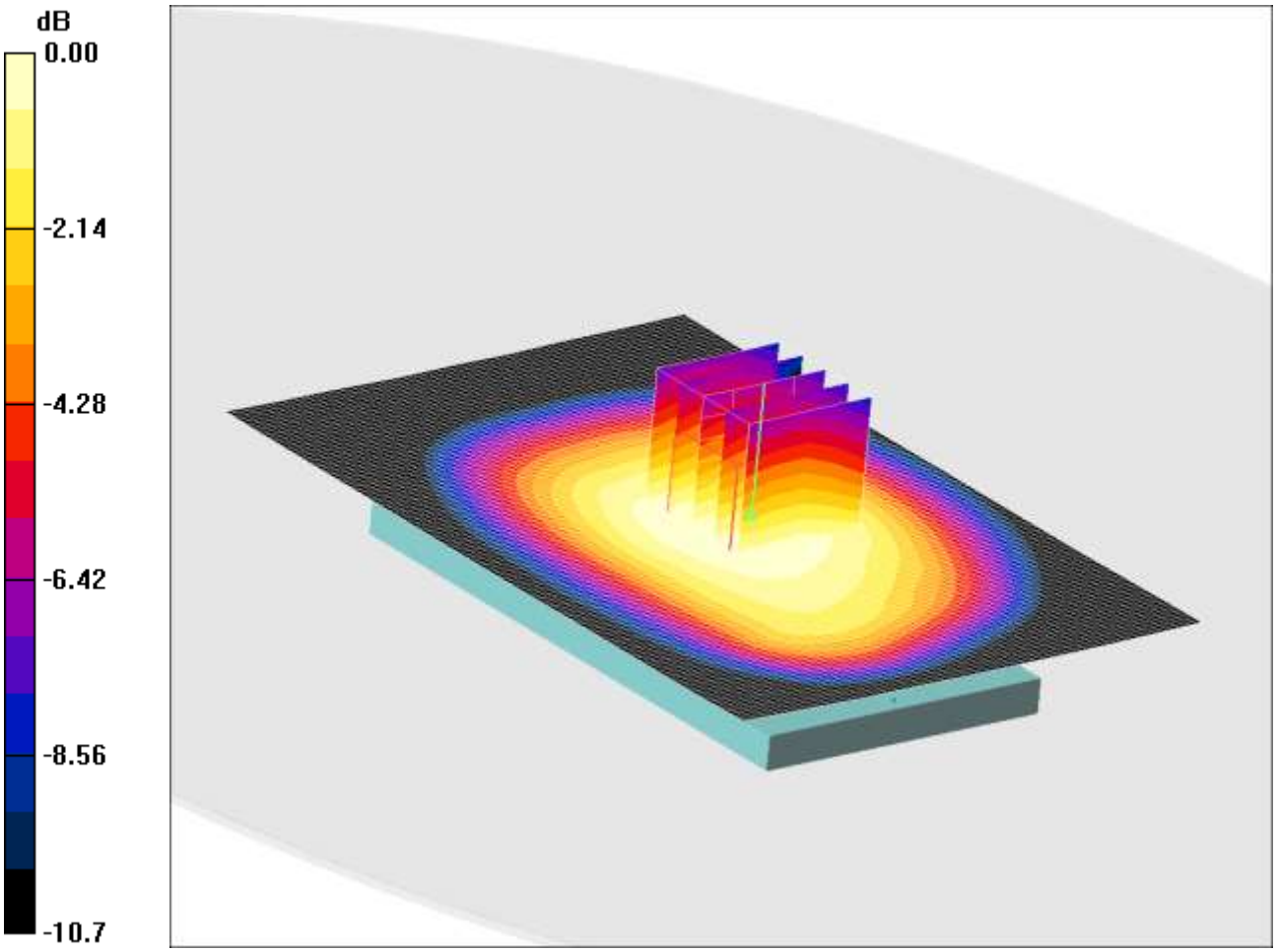
SCN/90579JD02/006: Touch Left GSM CH251
Date: 17/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.456 W/kg = -3.41 dBW/kg
Communication System: Generic GSM; Frequency: 848.6 MHz;Duty Cycle: 1:8.30042
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 848.6 MHz; σ = 0.942 mho/m; ε_r = 43.022; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - High/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.477 W/kg
Configuration/Touch Left - High/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.226 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.541 W/kg
SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.330 W/kg
Maximum value of SAR (measured) = 0.456 W/kg

SCN/90579JD02/007: Front of EUT Facing Phantom GPRS CH190
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

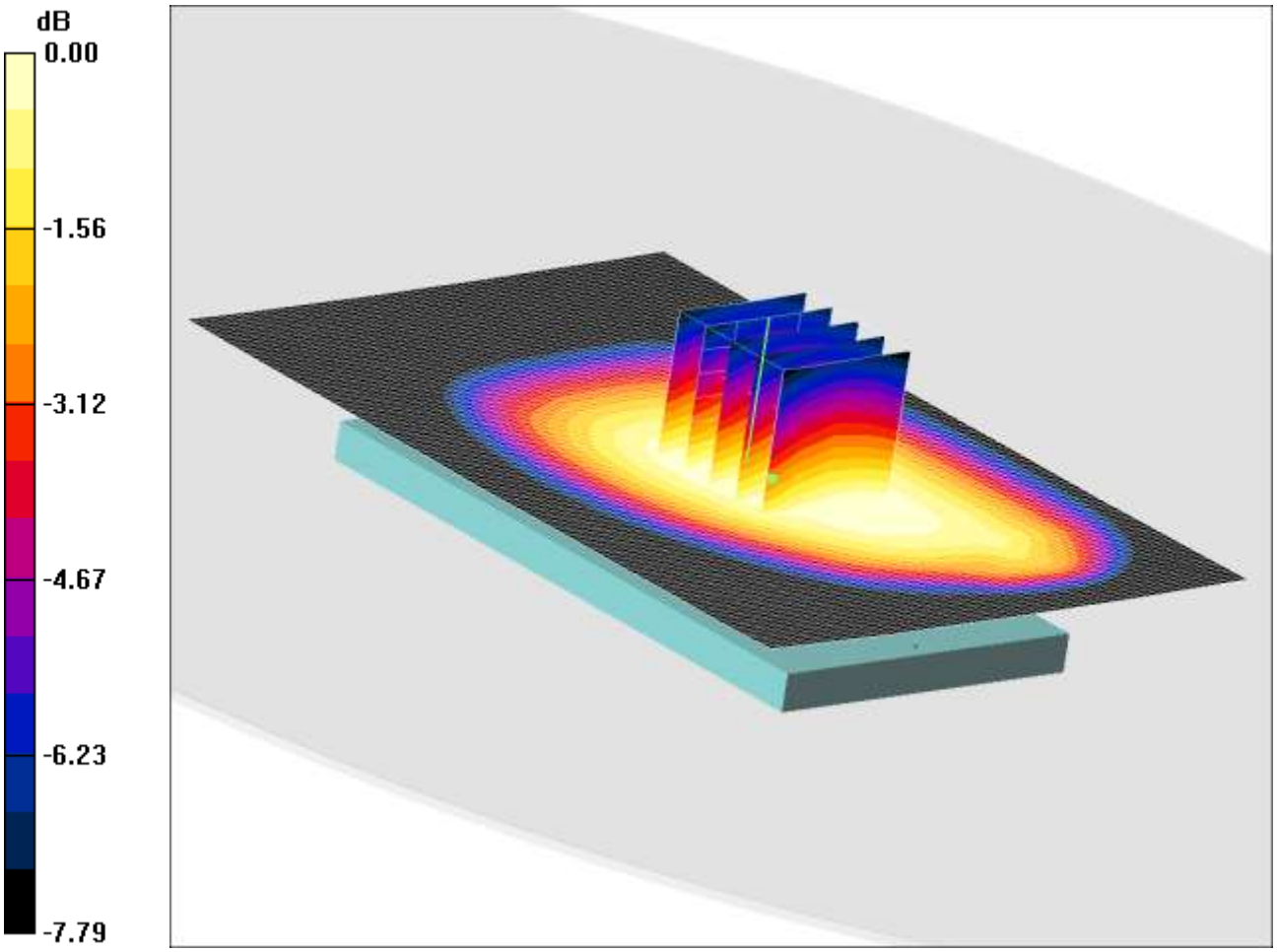


0 dB = 0.654mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.989 mho/m; ε_r = 55.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.651 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.4 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 0.745 W/kg
SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.456 mW/g
Maximum value of SAR (measured) = 0.654 mW/g

SCN/90579JD02/008: Back of EUT Facing Phantom GPRS CH190
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

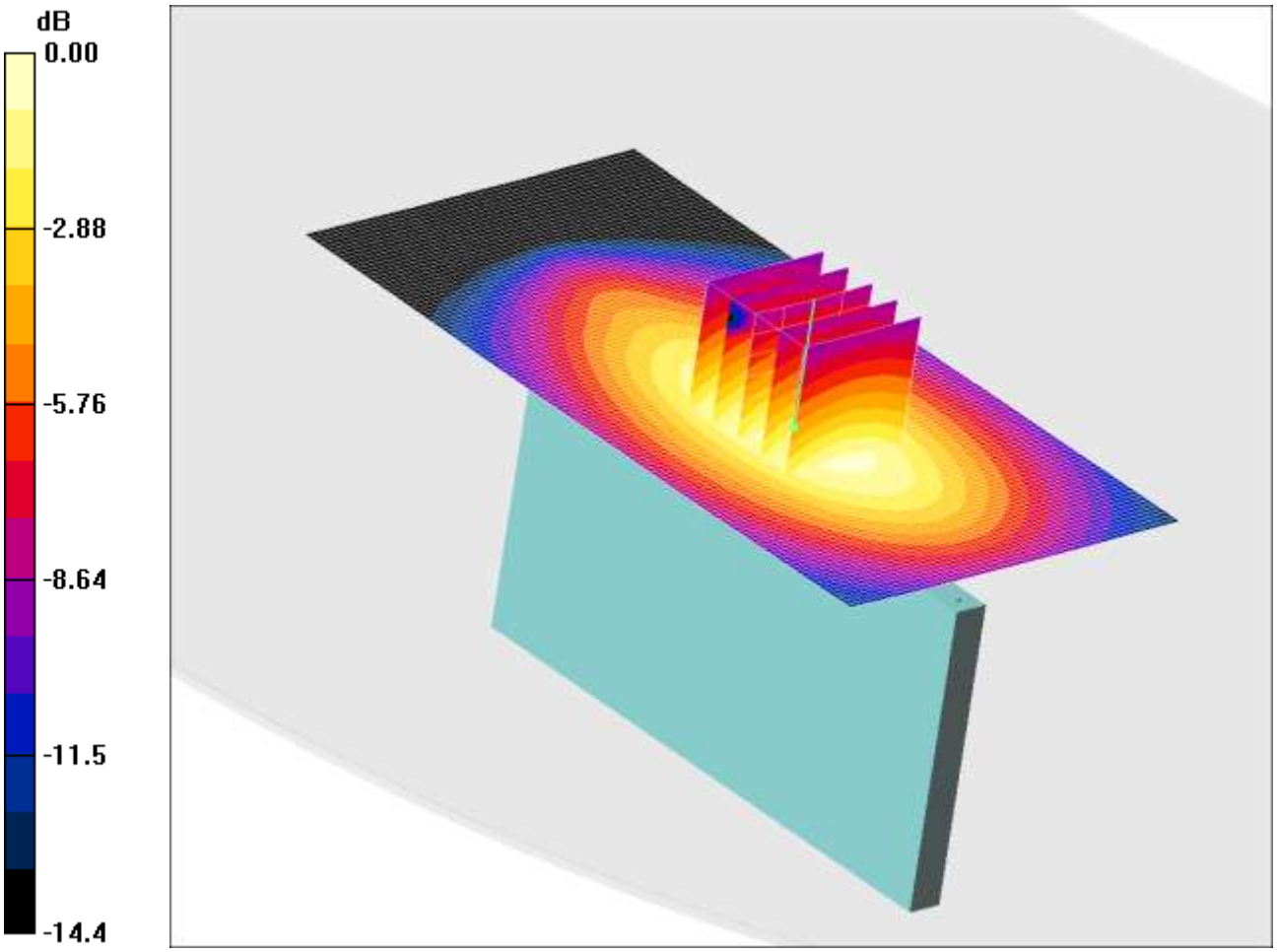


0 dB = 0.649mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.989 mho/m; ε_r = 55.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.650 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.9 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.756 W/kg
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.456 mW/g
Maximum value of SAR (measured) = 0.649 mW/g

SCN/90579JD02/009: Left Hand Side of EUT Facing Phantom GPRS CH190
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

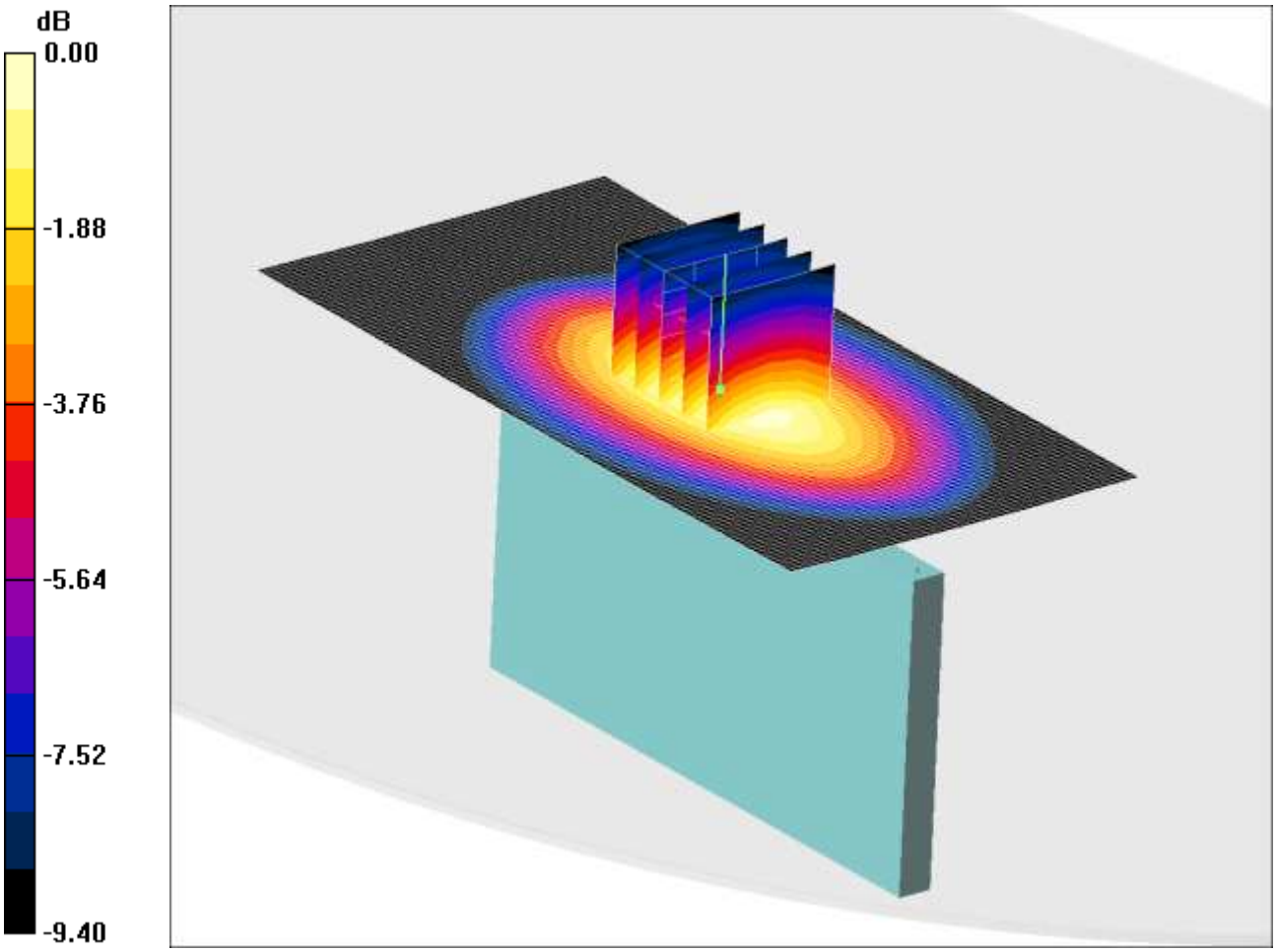


0 dB = 0.369mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.989 mho/m; ε_r = 55.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Left Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.359 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.3 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.452 W/kg
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.221 mW/g
Maximum value of SAR (measured) = 0.369 mW/g

SCN/90579JD02/010: Right Hand Side of EUT Facing Phantom GPRS CH190
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

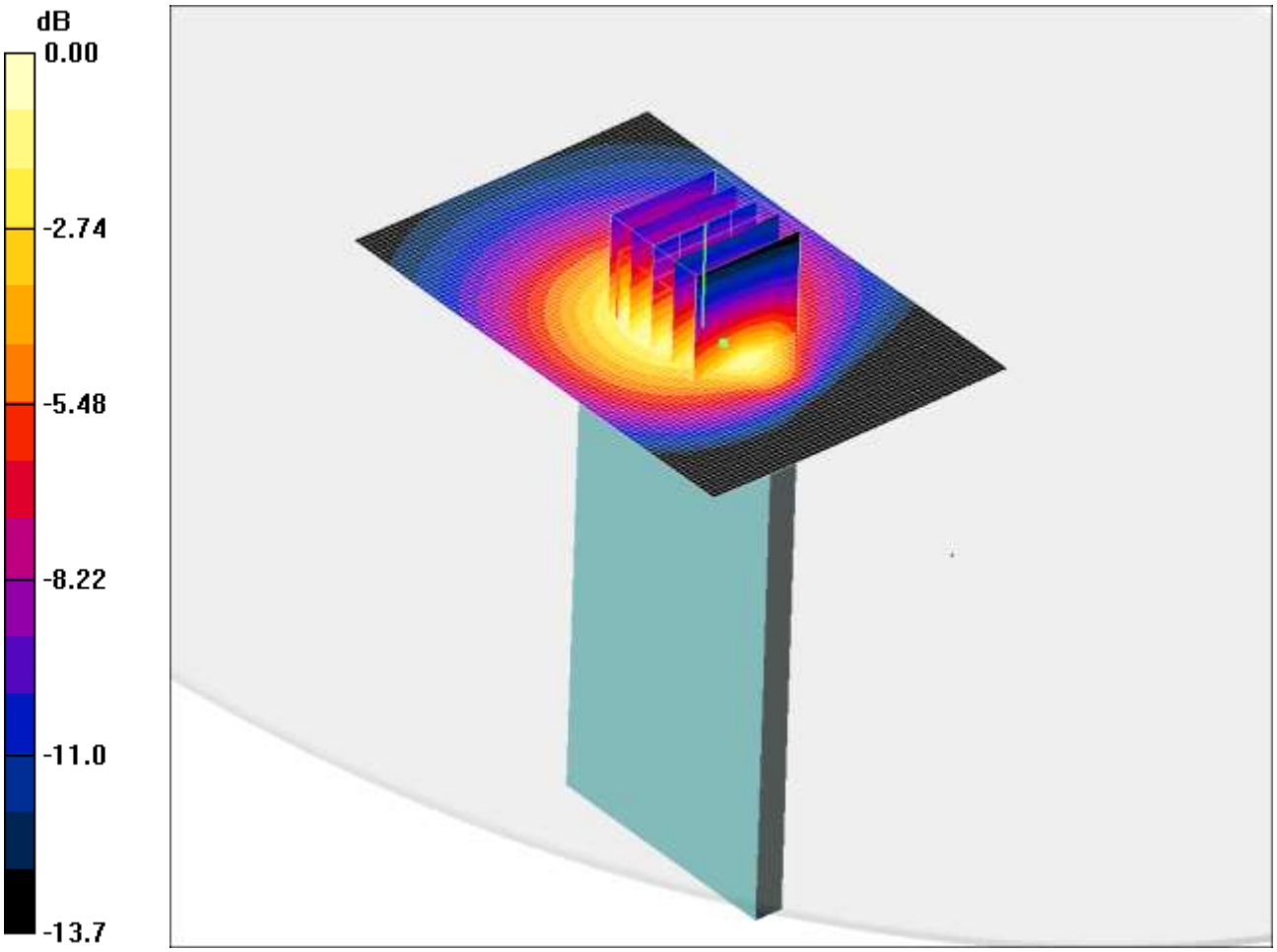


0 dB = 0.381mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.989 mho/m; ε_r = 55.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Right Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.382 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.2 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.471 W/kg
SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.231 mW/g
Maximum value of SAR (measured) = 0.381 mW/g

SCN/90579JD02/011: Bottom of EUT Facing Phantom GPRS CH190
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

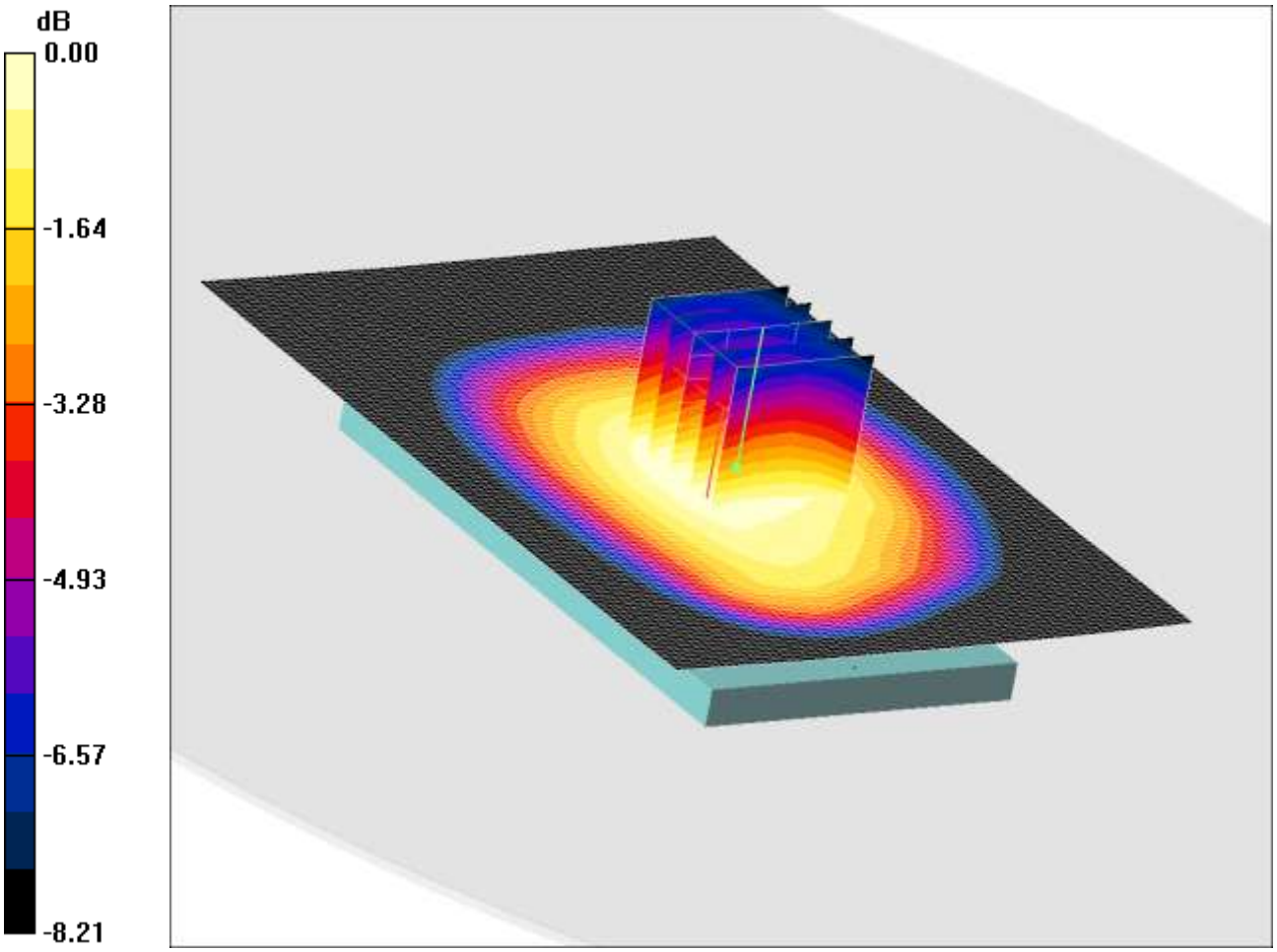


0 dB = 0.225mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.989 mho/m; ε_r = 55.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle/Area Scan 2 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.245 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.8 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 0.327 W/kg
SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.225 mW/g

SCN/90579JD02/012: Front of EUT Facing Phantom GPRS CH128
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

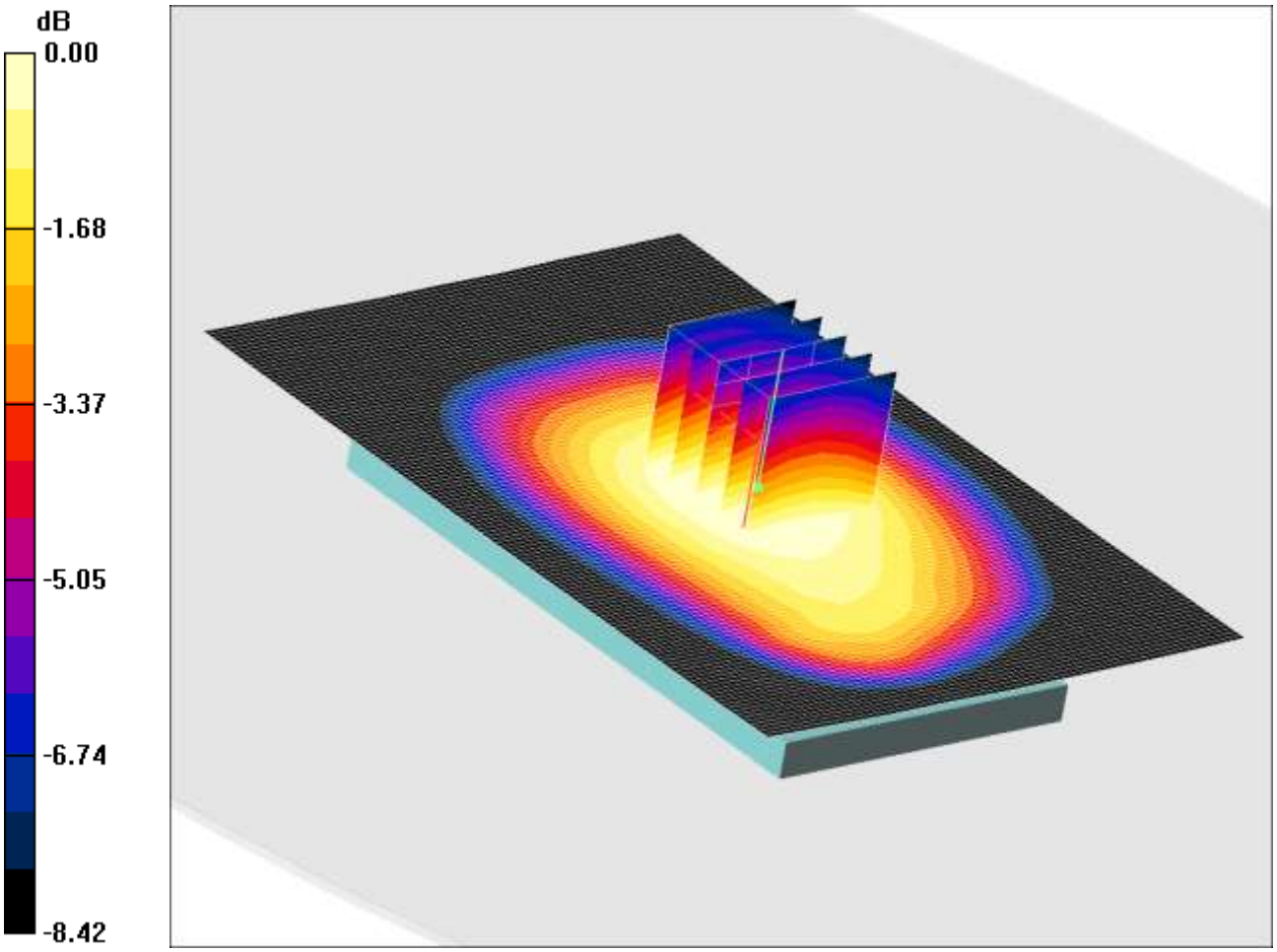


0 dB = 0.581mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 824.2 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.981 mho/m; ε_r = 55.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Low/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.576 mW/g
Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.9 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 0.664 W/kg
SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.409 mW/g
Maximum value of SAR (measured) = 0.581 mW/g

SCN/90579JD02/013: Front of EUT Facing Phantom GPRS CH251
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

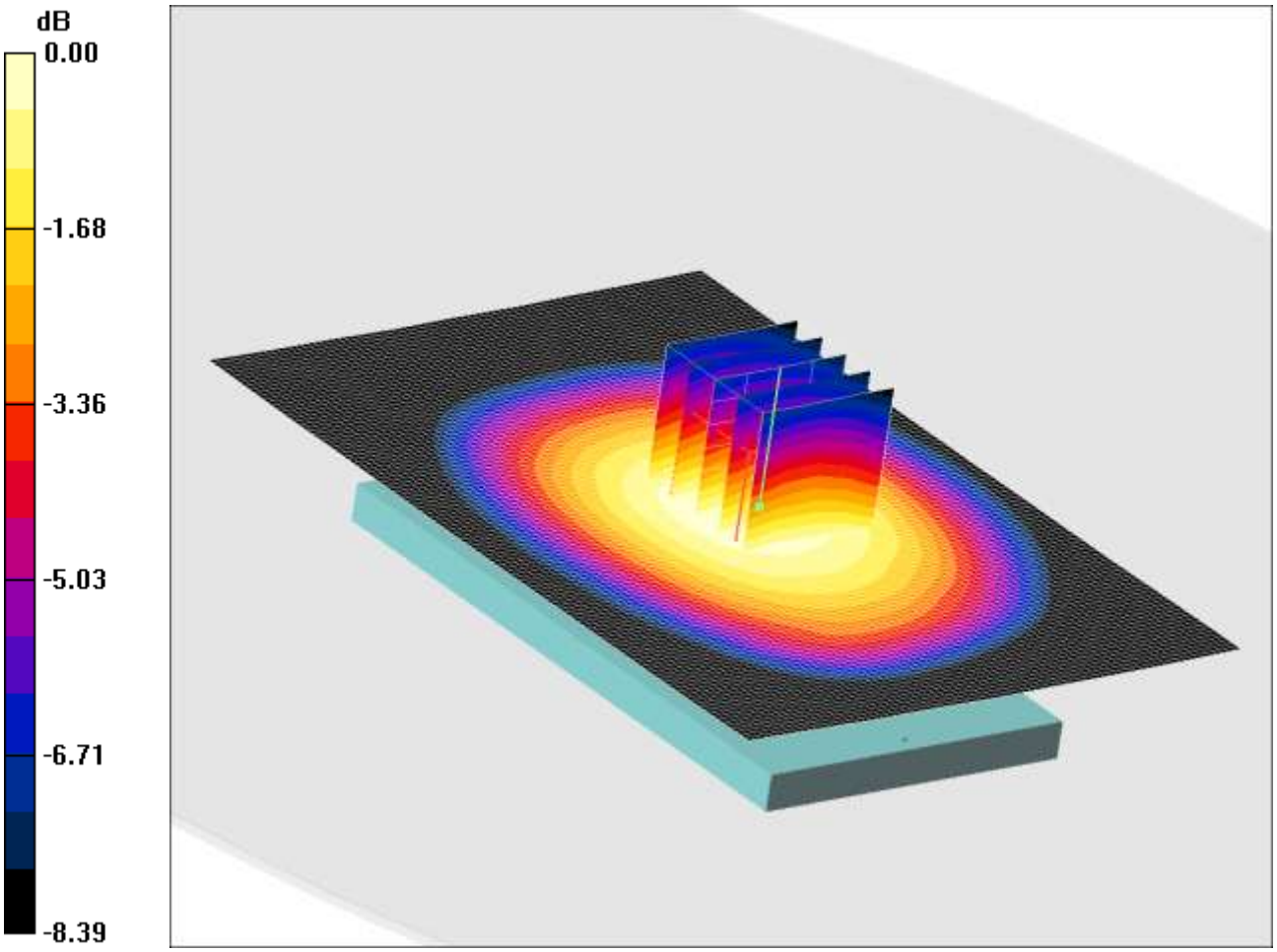


0 dB = 0.684mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.996 mho/m; ε_r = 55.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - High/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.695 mW/g
Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.3 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 0.778 W/kg
SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.479 mW/g
Maximum value of SAR (measured) = 0.684 mW/g

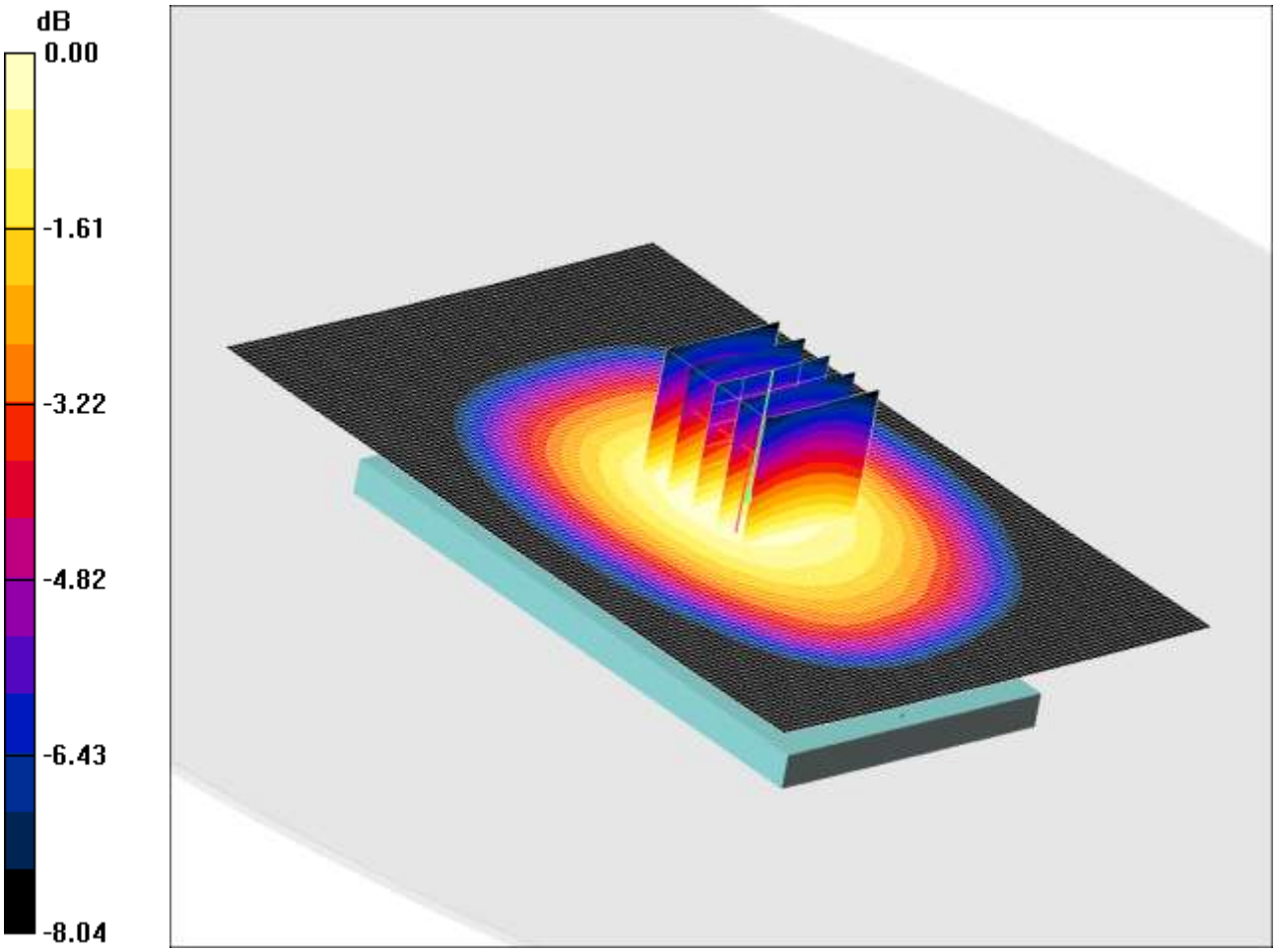
SCN/90579JD02/014: Front of EUT Facing Phantom at 15mm GSM CH190
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.488mW/g
Communication System: GSM 850 MHz; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.989 mho/m; ε_r = 55.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom at 15mm - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.482 mW/g
Front of EUT Facing Phantom at 15mm - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.7 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.334 mW/g
Maximum value of SAR (measured) = 0.488 mW/g

SCN/90579JD02/015: Front of EUT Facing Phantom at 15mm GSM CH128
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

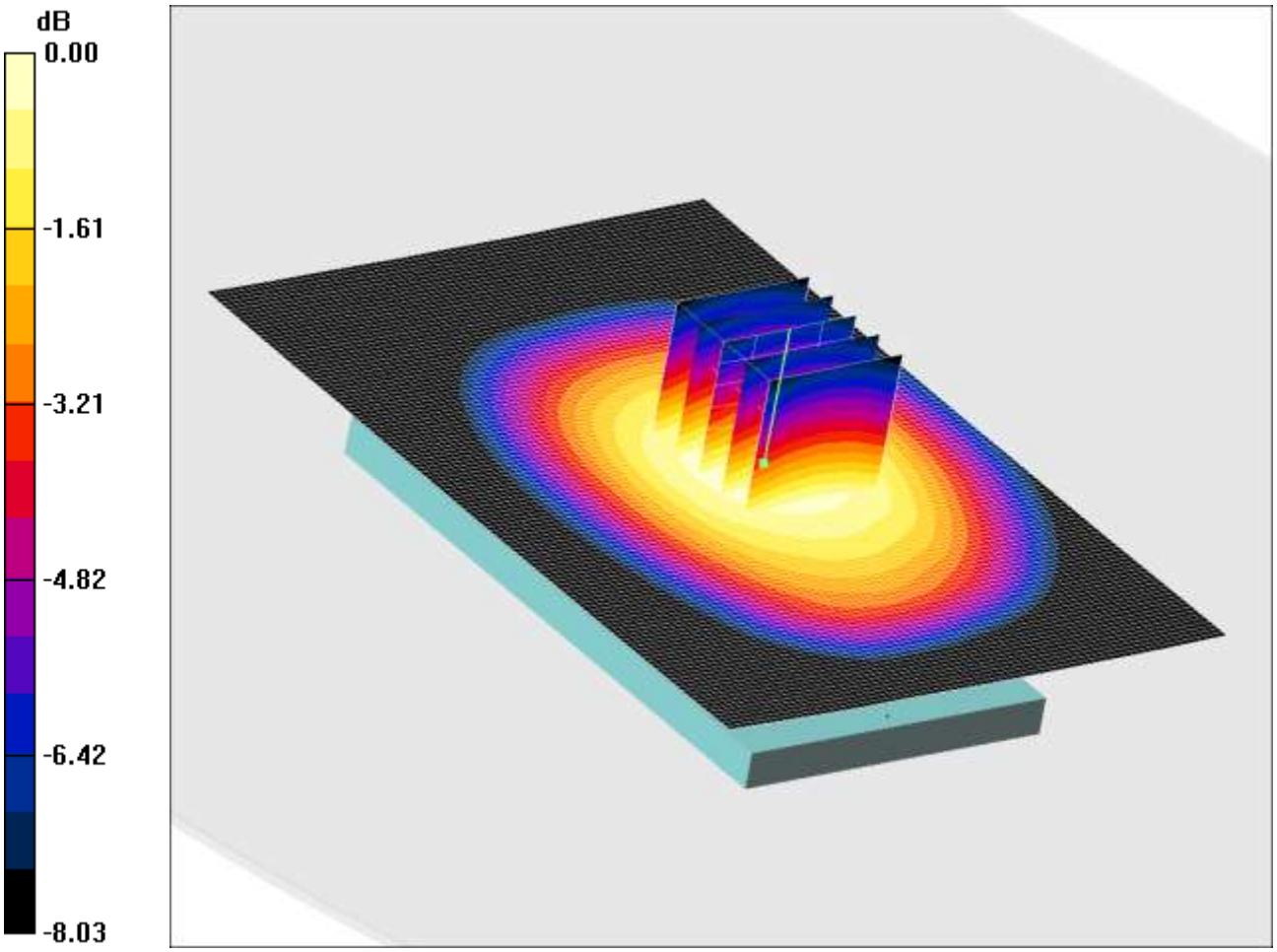


0 dB = 0.452mW/g

Communication System: GSM 850 MHz; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.981 mho/m; ε_r = 55.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom at 15mm - Low/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.448 mW/g
Front of EUT Facing Phantom at 15mm - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.526 W/kg
SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.310 mW/g
Maximum value of SAR (measured) = 0.452 mW/g

SCN/90579JD02/016: Front of EUT Facing Phantom at 15mm GSM CH251
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

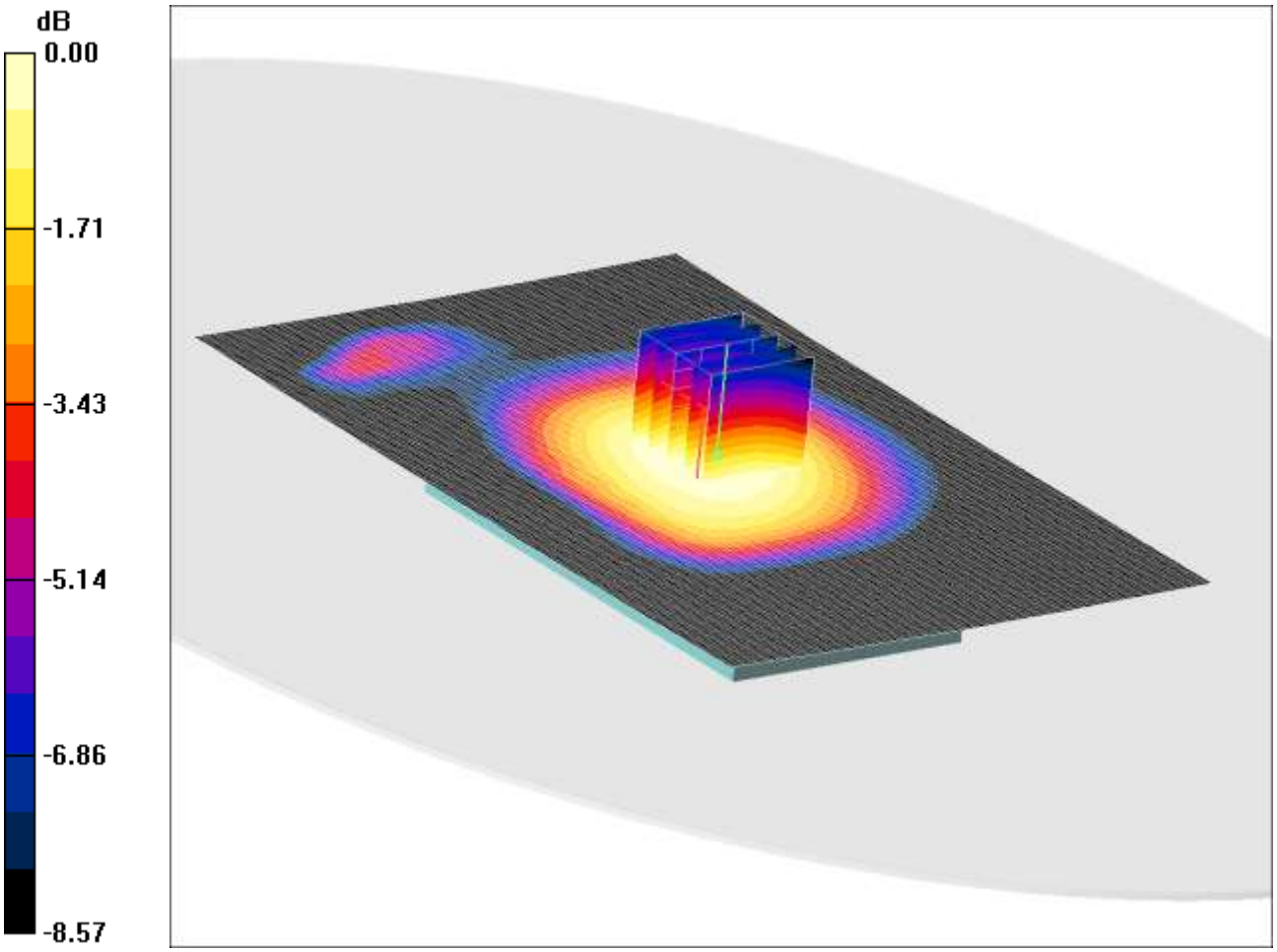


0 dB = 0.512mW/g

Communication System: GSM 850 MHz; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.996 mho/m; ε_r = 55.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom at 15mm - High/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.513 mW/g
Front of EUT Facing Phantom at 15mm - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.9 V/m; Power Drift = -0.028 dB
Peak SAR (extrapolated) = 0.590 W/kg
SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.349 mW/g
Maximum value of SAR (measured) = 0.512 mW/g

SCN/90579JD02/017: Front of EUT Facing Phantom at 15mm with PHF GSM CH251
Date 26/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

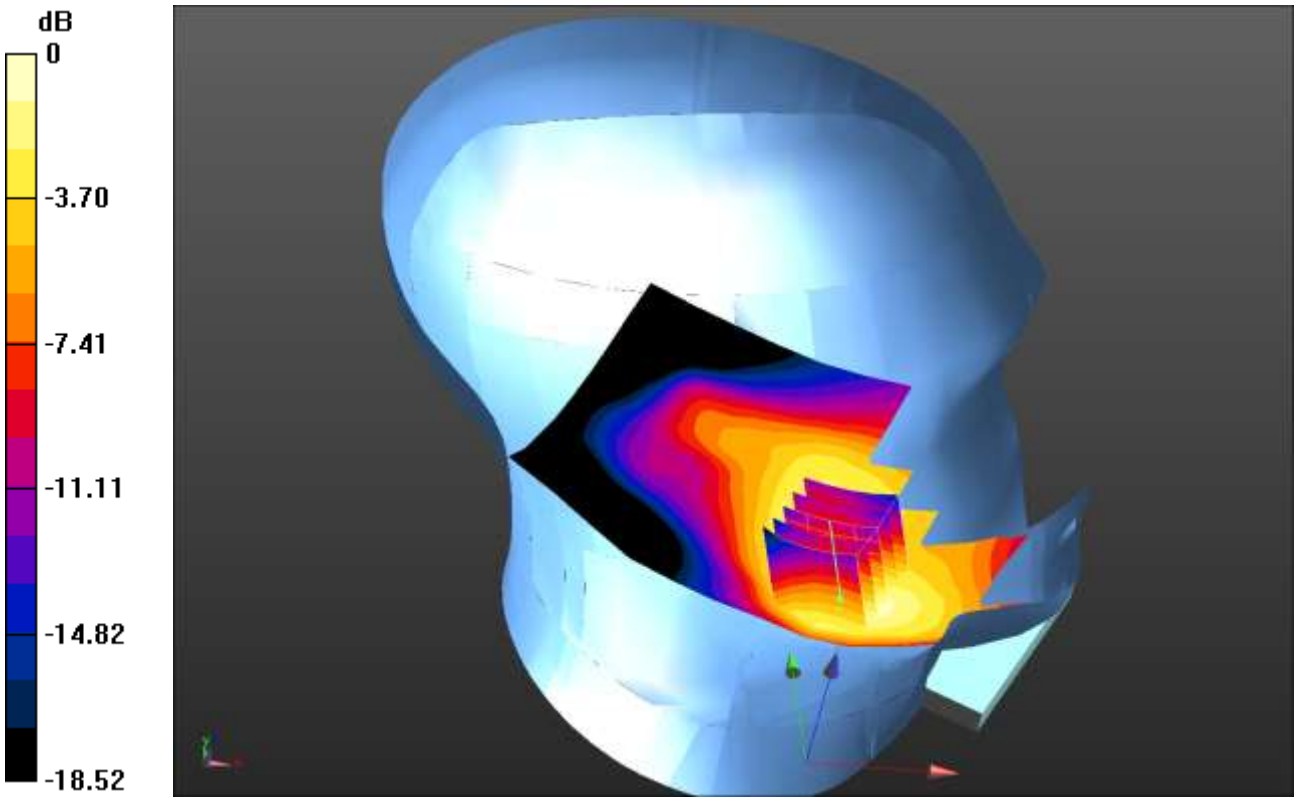


0 dB = 0.478mW/g

Communication System: GSM 850 MHz; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.996 mho/m; ε_r = 55.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom at 15mm with PHF- High/Area Scan 2 (101x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.489 mW/g
Front of EUT Facing Phantom at 15mm with PHF- High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.5 V/m; Power Drift = 0.064 dB
Peak SAR (extrapolated) = 0.556 W/kg
SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.331 mW/g
Maximum value of SAR (measured) = 0.478 mW/g

SCN/90579JD02/018: Touch Left PCS CH661
Date: 19/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

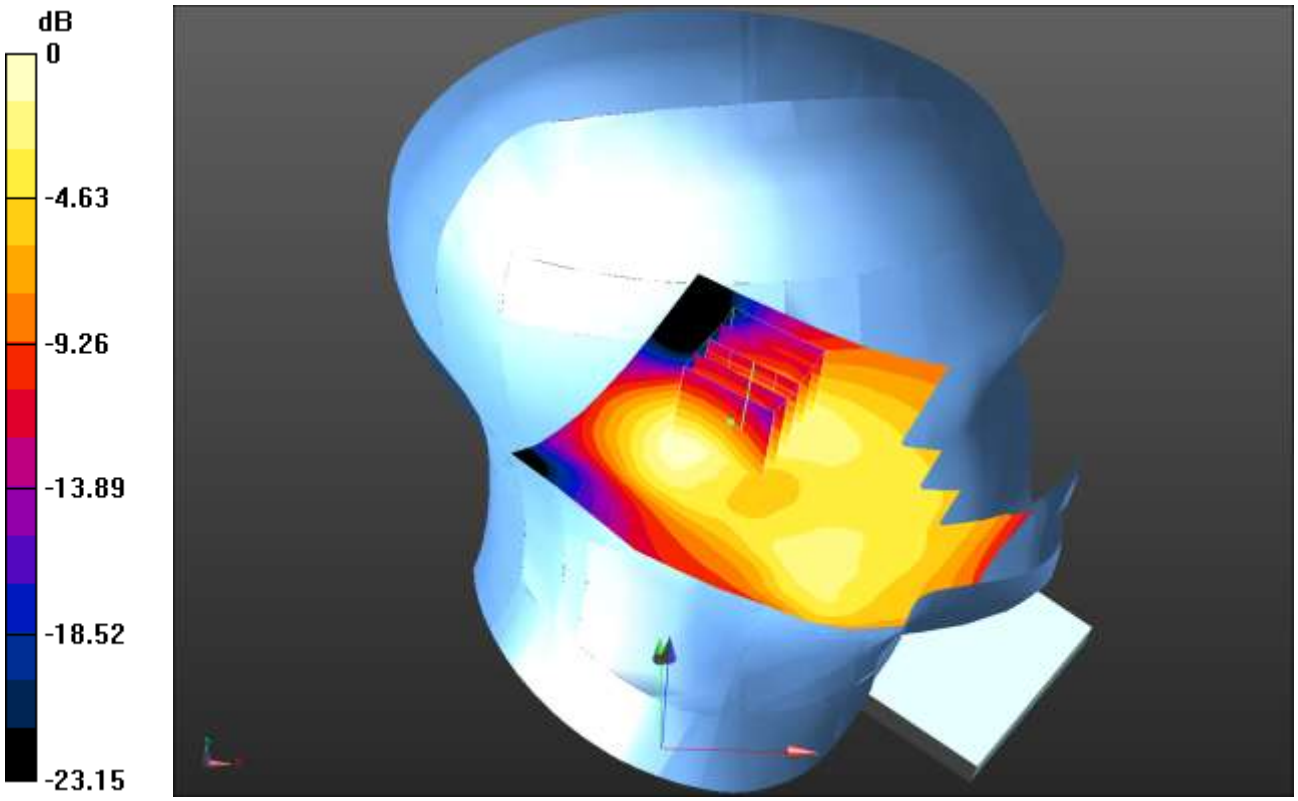


0 dB = 0.216 W/kg = -6.66 dBW/kg

Communication System: Generic GSM; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium: 1800 MHz HSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.421 mho/m; ε_r = 38.595; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.92, 4.92, 4.92); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM A; Type: QD000P40Ca; Serial: TP:1193
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.232 W/kg
Configuration/Touch Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.594 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.328 W/kg
SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.216 W/kg

SCN/90579JD02/019: Tilt Left PCS CH661
Date: 19/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

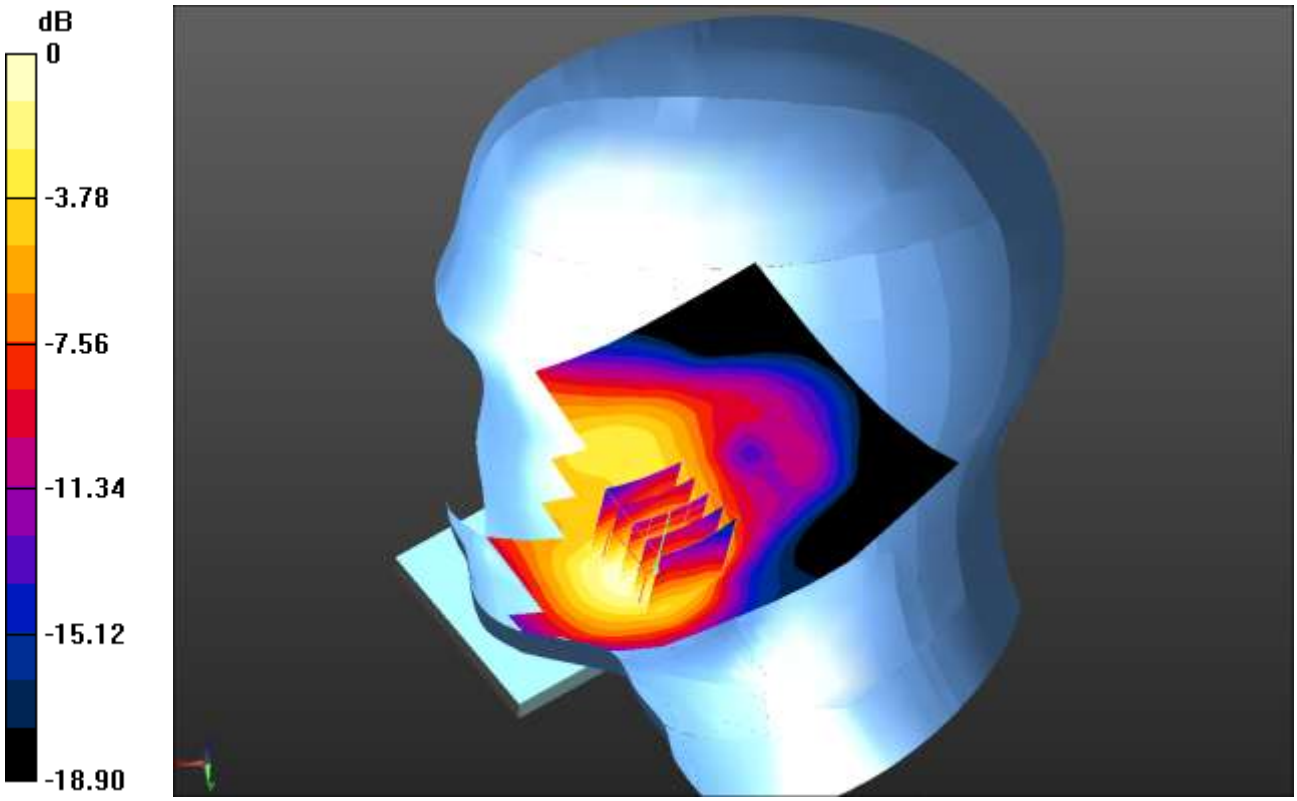


0 dB = 0.0511 W/kg = -12.92 dBW/kg

Communication System: Generic GSM; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium: 1800 MHz HSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.421 mho/m; ε_r = 38.595; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.92, 4.92, 4.92); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM A; Type: QD000P40Ca; Serial: TP:1193
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Left - Middle 2/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0528 W/kg
Configuration/Tilt Left - Middle 2/Zoom Scan 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.777 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0790 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.0511 W/kg

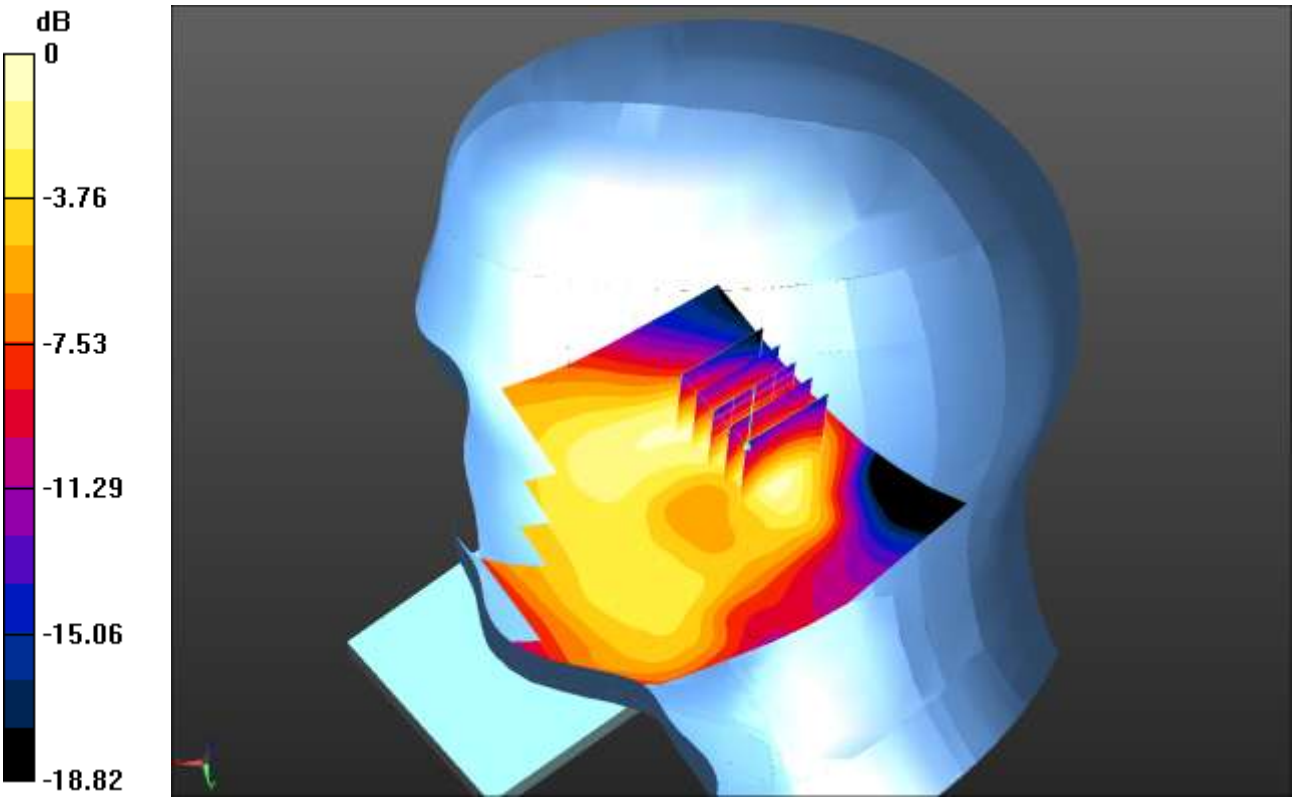
SCN/90579JD02/020: Touch Right PCS CH661
Date: 19/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.196 W/kg = -7.08 dBW/kg
Communication System: Generic GSM; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium: 1800 MHz HSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.421 mho/m; ε_r = 38.595; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.92, 4.92, 4.92); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM A; Type: QD000P40Ca; Serial: TP:1193
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Right - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.205 W/kg
Configuration/Touch Right - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.573 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.113 W/kg
Maximum value of SAR (measured) = 0.196 W/kg

SCN/90579JD02/021: Tilt Right PCS CH661
Date: 19/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

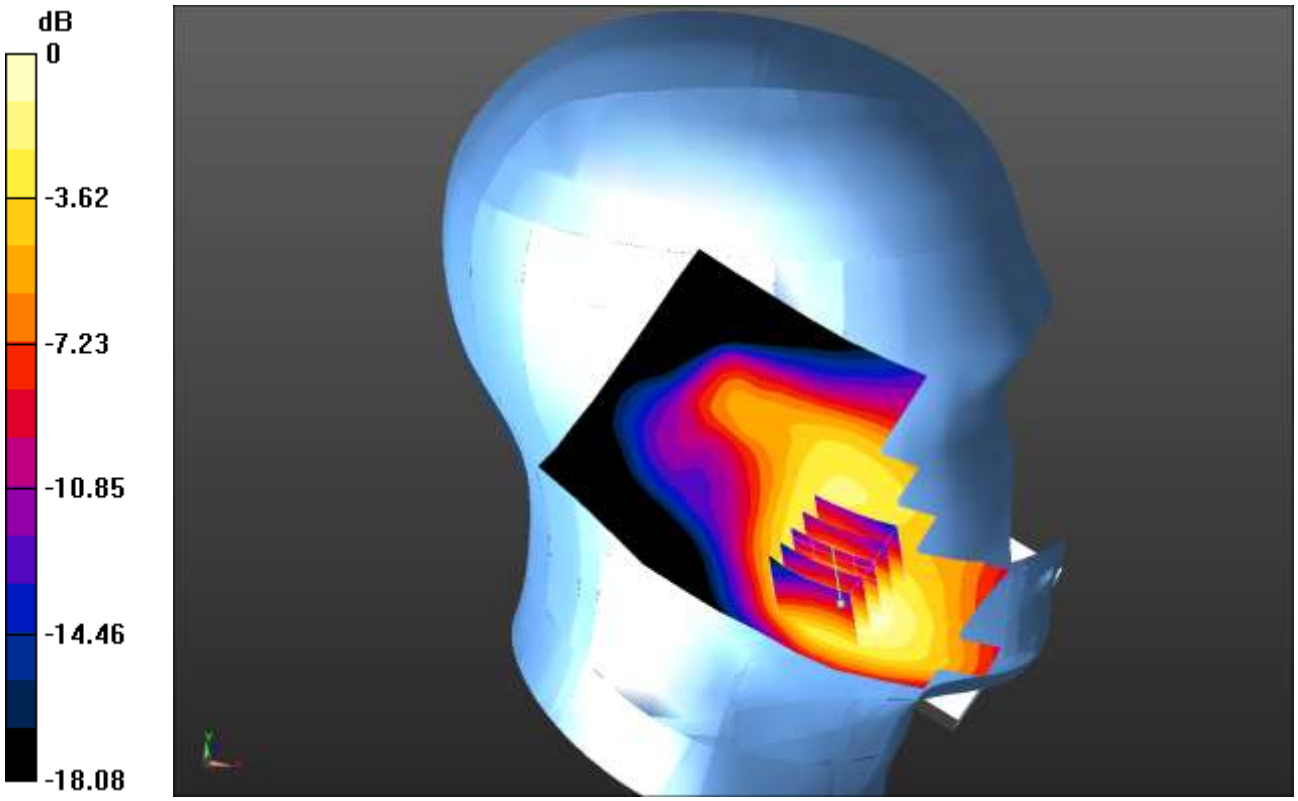


0 dB = 0.0417 W/kg = -13.80 dBW/kg

Communication System: Generic GSM; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium: 1800 MHz HSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.421 mho/m; ε_r = 38.595; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.92, 4.92, 4.92); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM A; Type: QD000P40Ca; Serial: TP:1193
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Right - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0420 W/kg
Configuration/Tilt Right - Middle/Zoom Scan 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.630 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.0590 W/kg
SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.022 W/kg
Maximum value of SAR (measured) = 0.0417 W/kg

SCN/90579JD02/022: Touch Left PCS CH512
Date: 19/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

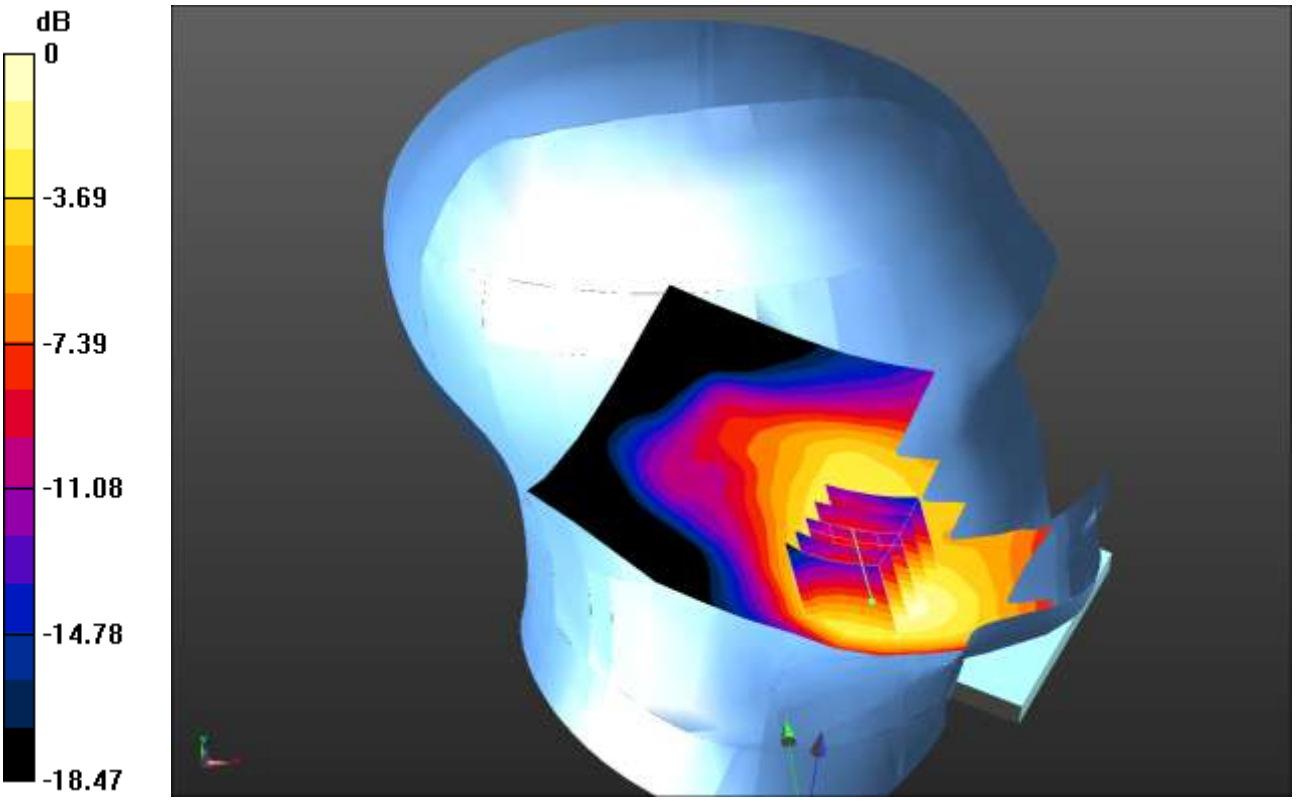


0 dB = 0.210 W/kg = -6.78 dBW/kg

Communication System: Generic GSM; Frequency: 1850.2 MHz;Duty Cycle: 1:8.30042
Medium: 1800 MHz HSL Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.392 mho/m; ε_r = 38.688; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.92, 4.92, 4.92); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM A; Type: QD000P40Ca; Serial: TP:1193
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.232 W/kg
Configuration/Touch Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.722 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.306 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.123 W/kg
Maximum value of SAR (measured) = 0.210 W/kg

SCN/90579JD02/023: Touch Left PCS CH810
Date: 19/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

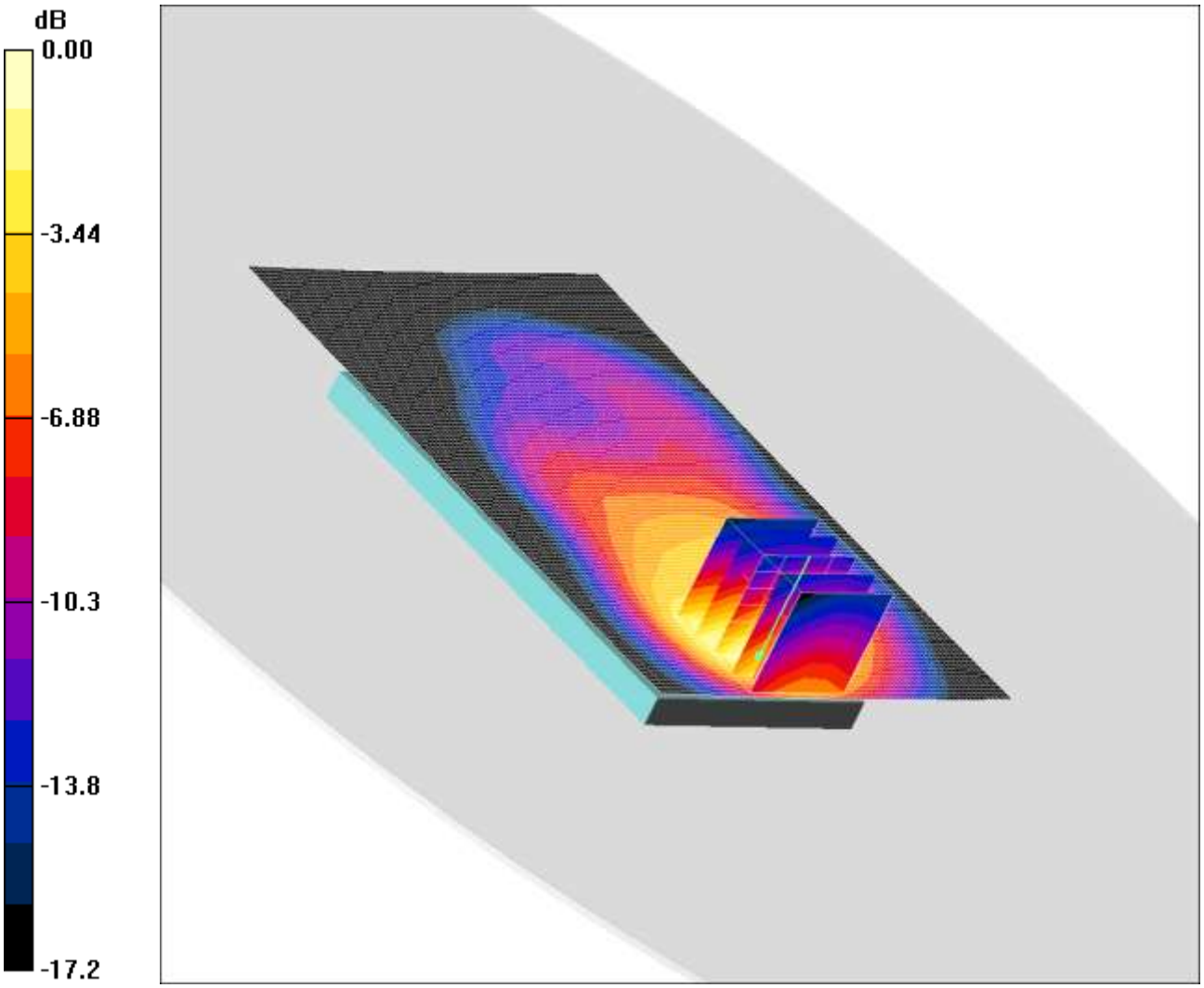


0 dB = 0.192 W/kg = -7.17 dBW/kg

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042
Medium: 1800 MHz HSL Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.45 mho/m; ε_r = 38.49; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.92, 4.92, 4.92); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM A; Type: QD000P40Ca; Serial: TP:1193
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left -High/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.209 W/kg
Configuration/Touch Left -High/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.513 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.293 W/kg
SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.113 W/kg
Maximum value of SAR (measured) = 0.192 W/kg

SCN/90579JD02/024: Front of EUT Facing Phantom GPRS CH661
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

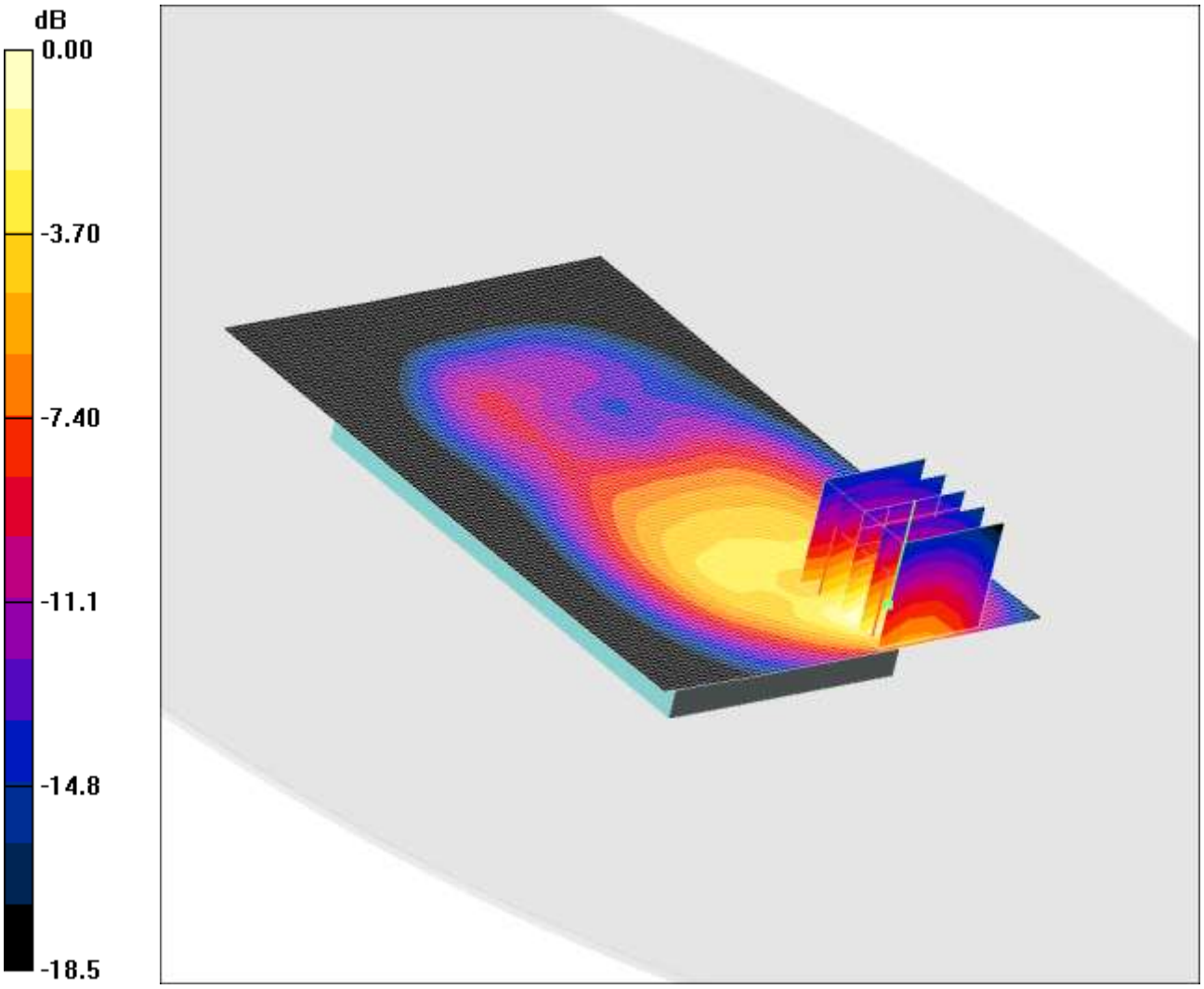


0 dB = 0.650mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.53 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle 2/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.655 mW/g
Front of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.35 V/m; Power Drift = -0.094 dB
Peak SAR (extrapolated) = 0.852 W/kg
SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.650 mW/g

SCN/90579JD02/025: Back of EUT Facing Phantom GPRS CH661
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

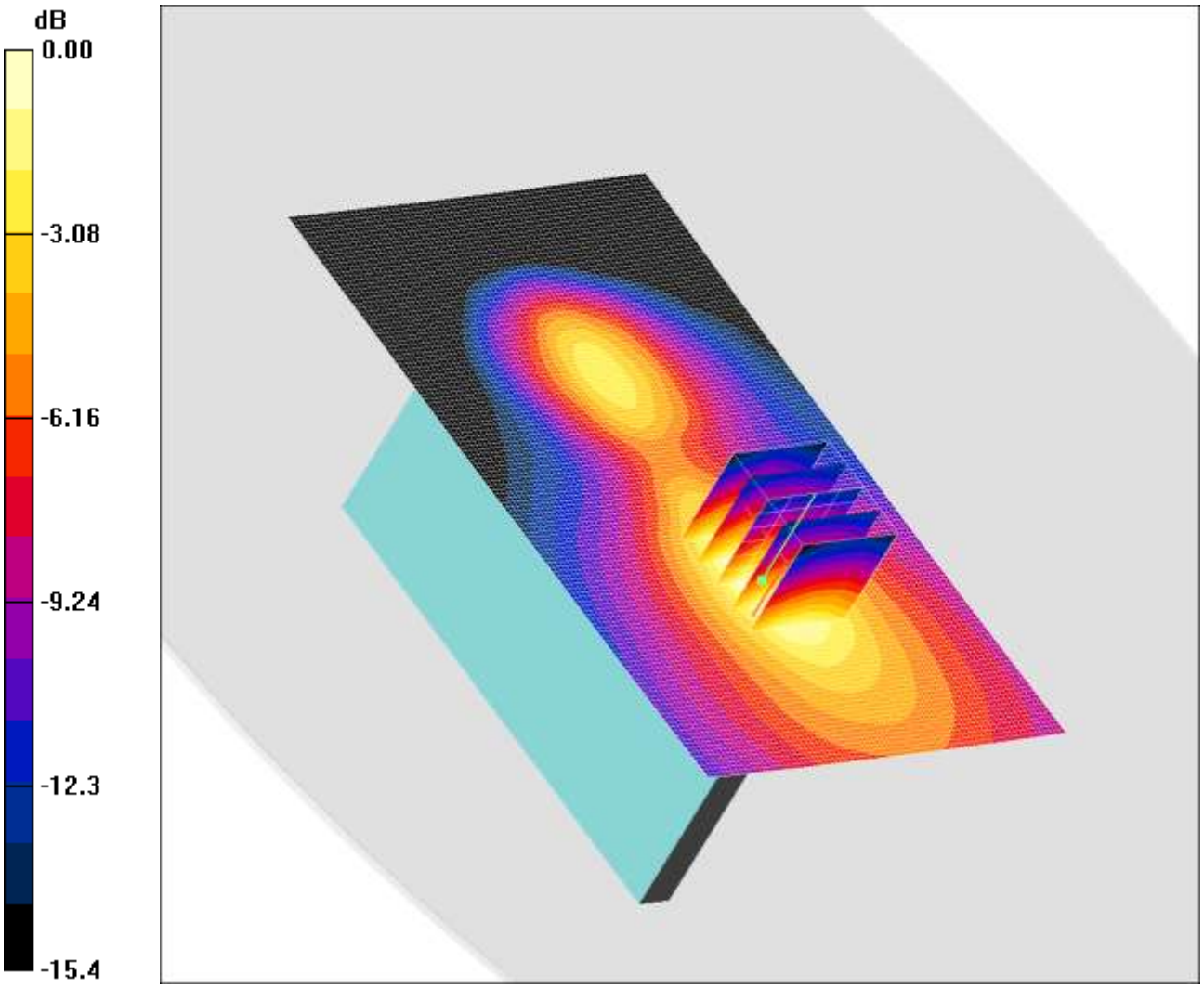


0 dB = 0.874mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.53 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle 2/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.875 mW/g
Back of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.84 V/m; Power Drift = -0.028 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.377 mW/g
Maximum value of SAR (measured) = 0.874 mW/g

SCN/90579JD02/026: Left Hand Side of EUT Facing Phantom GPRS CH661
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

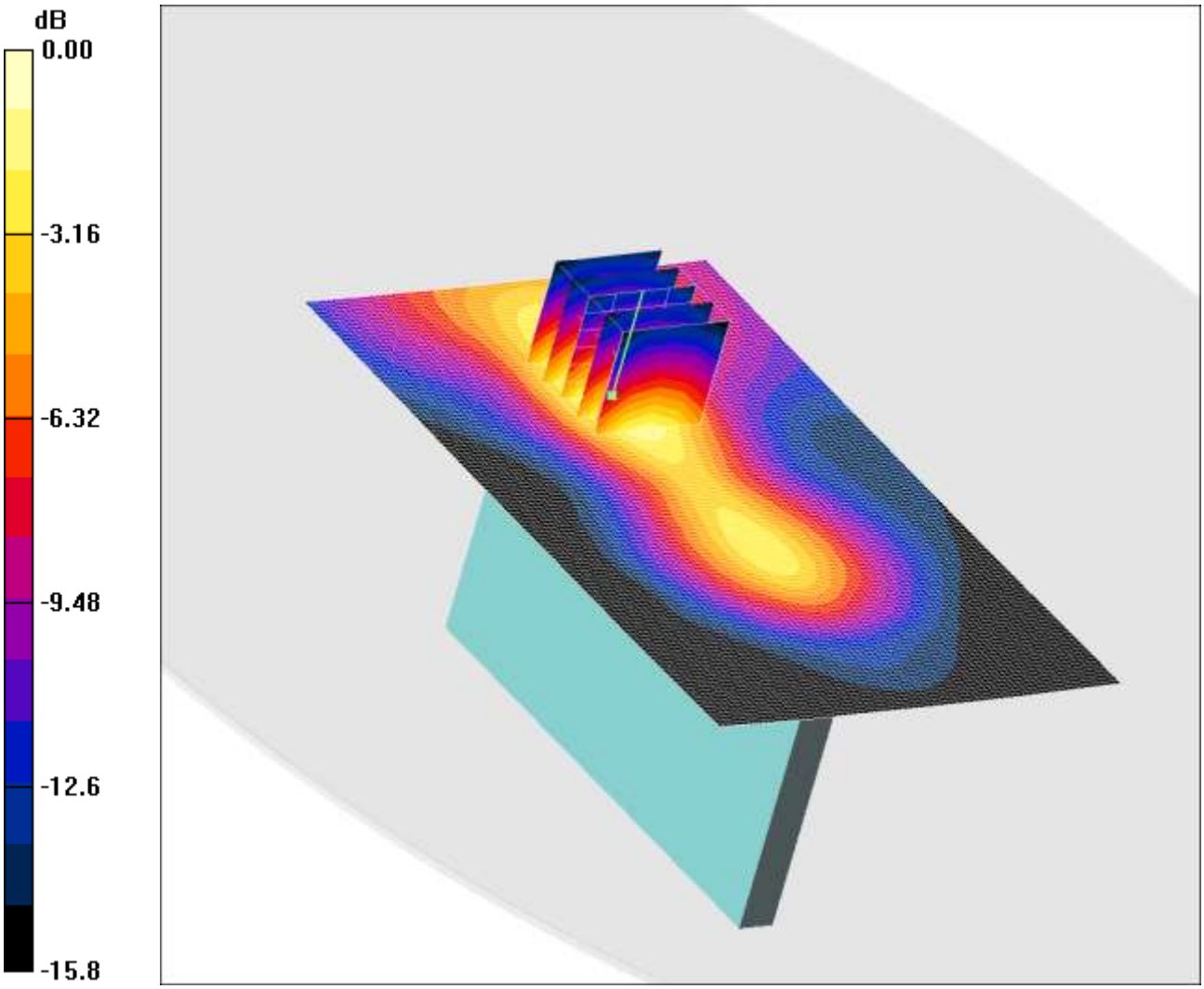


0 dB = 0.103mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.53 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Left Hand Side of EUT Facing Phantom - Middle 2 2/Area Scan 2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.102 mW/g
Left Hand Side of EUT Facing Phantom - Middle 2 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.45 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 0.138 W/kg
SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.103 mW/g

SCN/90579JD02/027: Right Hand Side of EUT Facing Phantom GPRS CH661
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

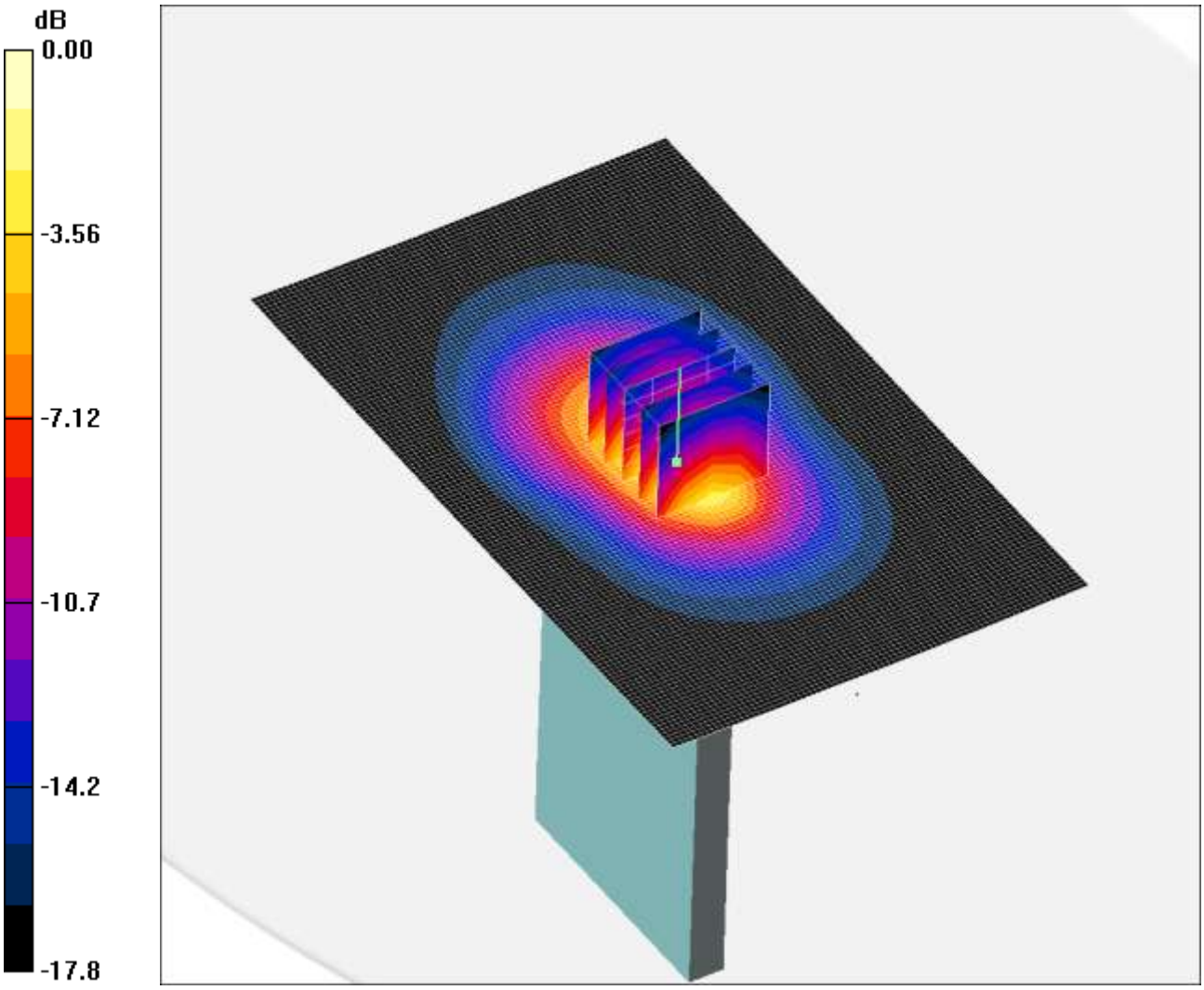


0 dB = 0.171mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.53 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Right Hand Side of EUT Facing Phantom - Middle 2 2/Area Scan 2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.163 mW/g
Right Hand Side of EUT Facing Phantom - Middle 2 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.32 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.617 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.171 mW/g

SCN/90579JD02/028: Bottom Side of EUT Facing Phantom GPRS CH661
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

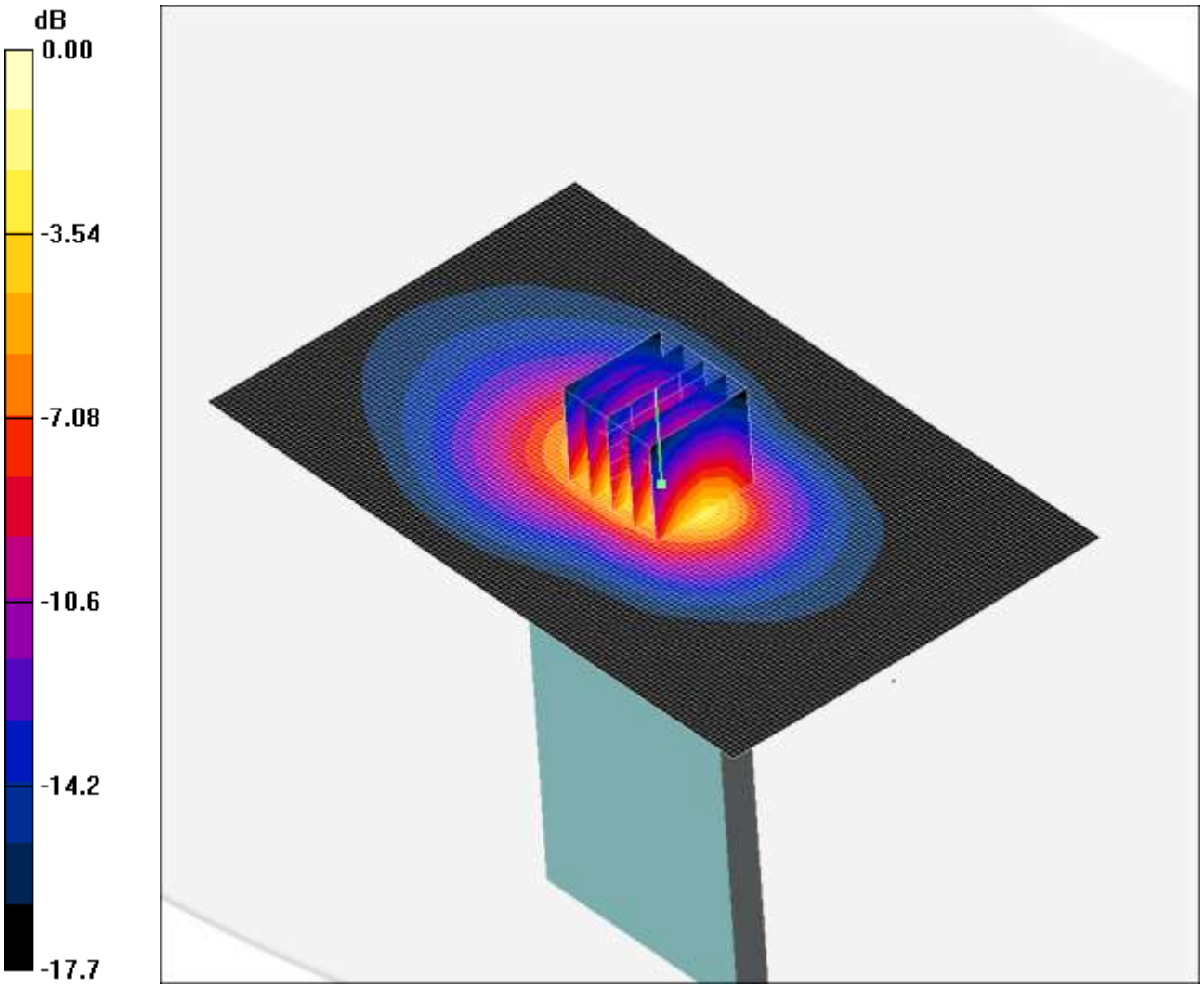


0 dB = 0.930mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.53 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Bottom Side of EUT Facing Phantom - Middle 2 2/Area Scan 2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.967 mW/g
Bottom Side of EUT Facing Phantom - Middle 2 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.4 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.733 mW/g; SAR(10 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.930 mW/g

SCN/90579JD02/029: Bottom Side of EUT Facing Phantom GPRS CH512
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

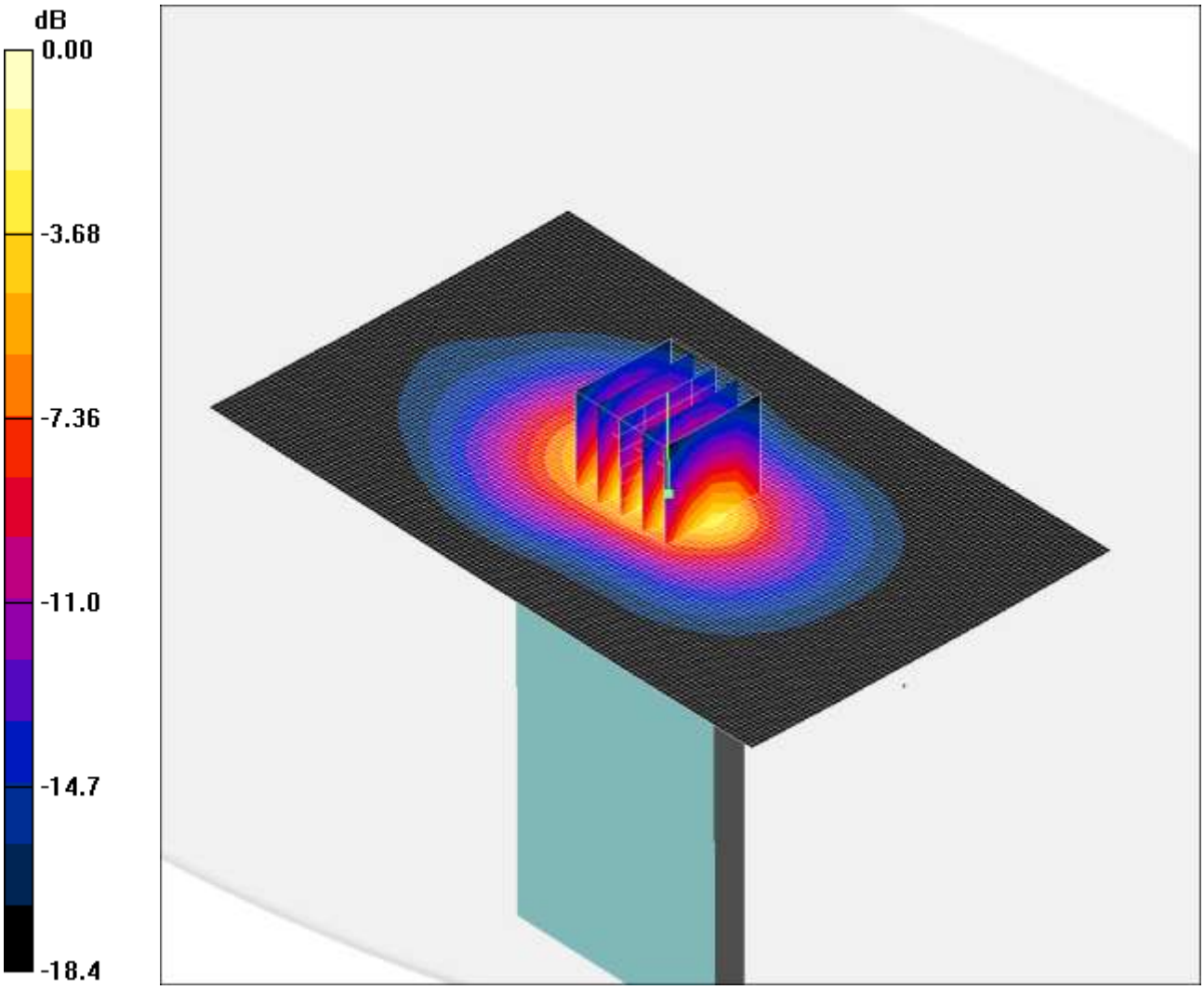


0 dB = 0.901mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.5 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Bottom Side of EUT Facing Phantom - Middle 2 2 2/Area Scan 2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.890 mW/g
Bottom Side of EUT Facing Phantom - Middle 2 2 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.3 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.901 mW/g

SCN/90579JD02/030: Bottom Side of EUT Facing Phantom GPRS CH810
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

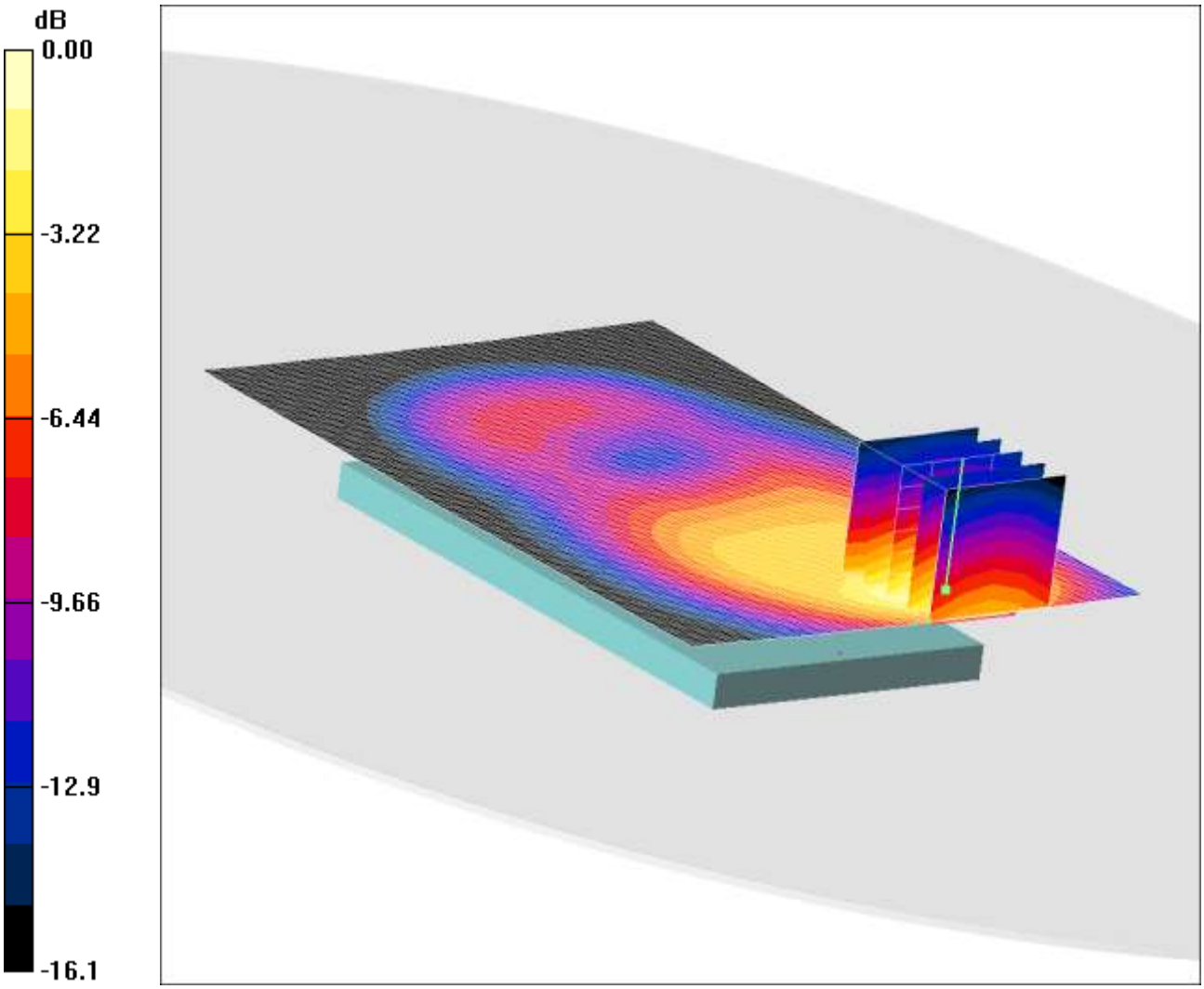


0 dB = 0.911mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.56 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Bottom Side of EUT Facing Phantom - Middle 2 2/Area Scan 2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.915 mW/g
Bottom Side of EUT Facing Phantom - Middle 2 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.6 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.359 mW/g
Maximum value of SAR (measured) = 0.911 mW/g

SCN/90579JD02/031: Back of EUT Facing Phantom at 15mm PCS CH512
Date 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

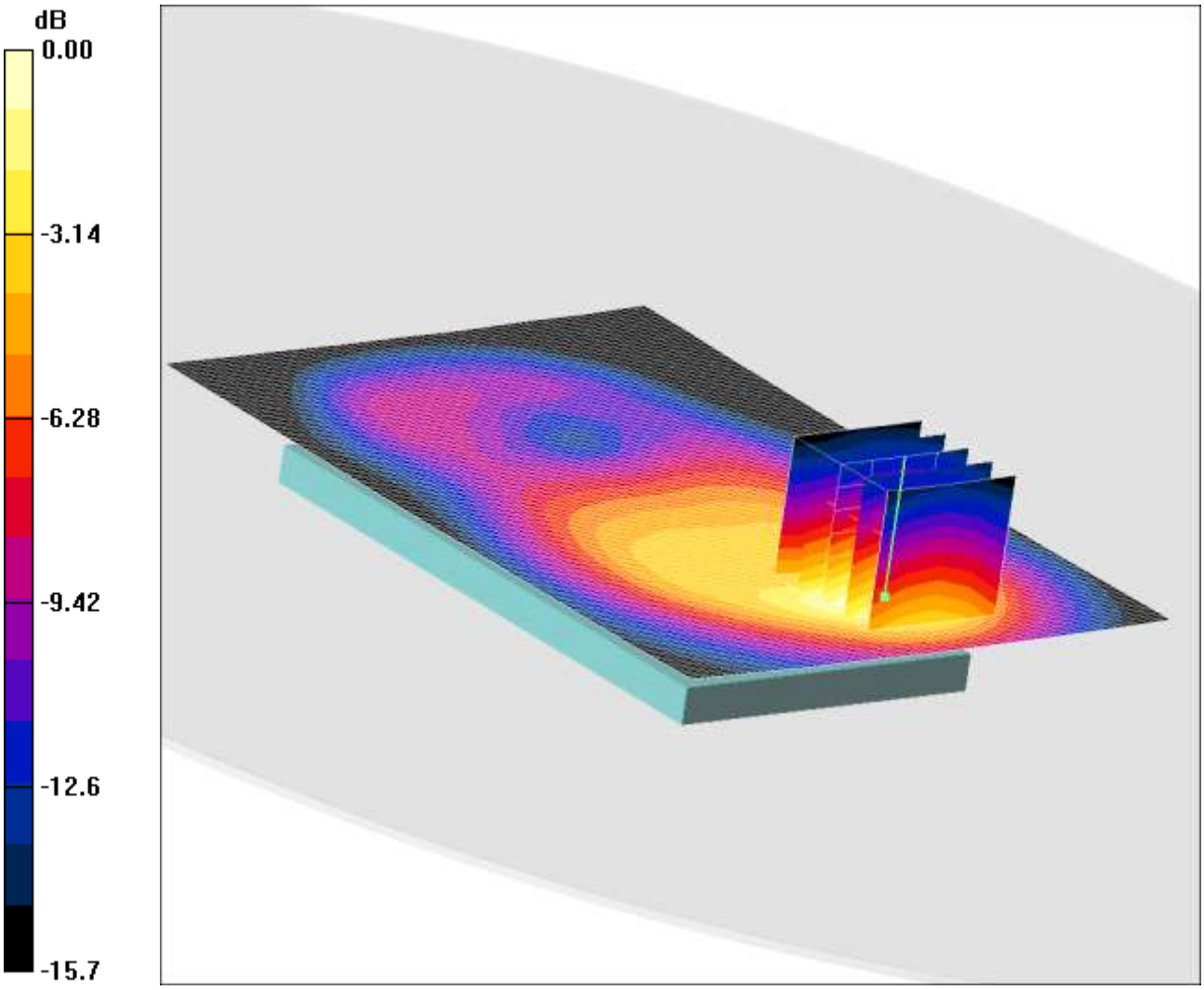


0 dB = 0.380mW/g

Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.5 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Low/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.369 mW/g
Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.86 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 0.504 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 0.380 mW/g

SCN/90579JD02/032: Back of EUT Facing Phantom at 15mm PCS CH661
Date 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

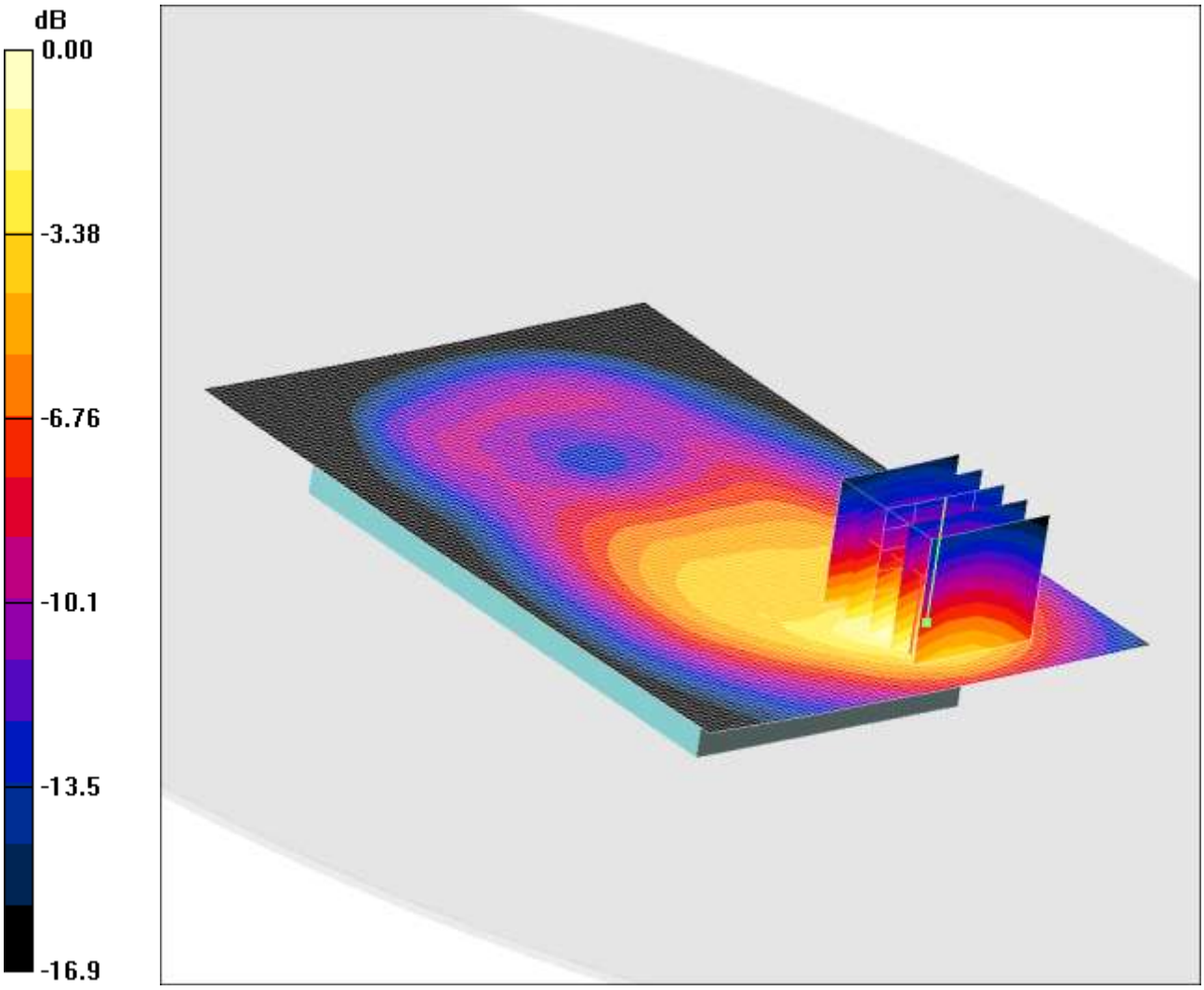


0 dB = 0.341mW/g

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.53 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.350 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.39 V/m; Power Drift = 0.088 dB
Peak SAR (extrapolated) = 0.461 W/kg
SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.161 mW/g
Maximum value of SAR (measured) = 0.341 mW/g

SCN/90579JD02/033: Back of EUT Facing Phantom at 15mm PCS CH810
Date 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

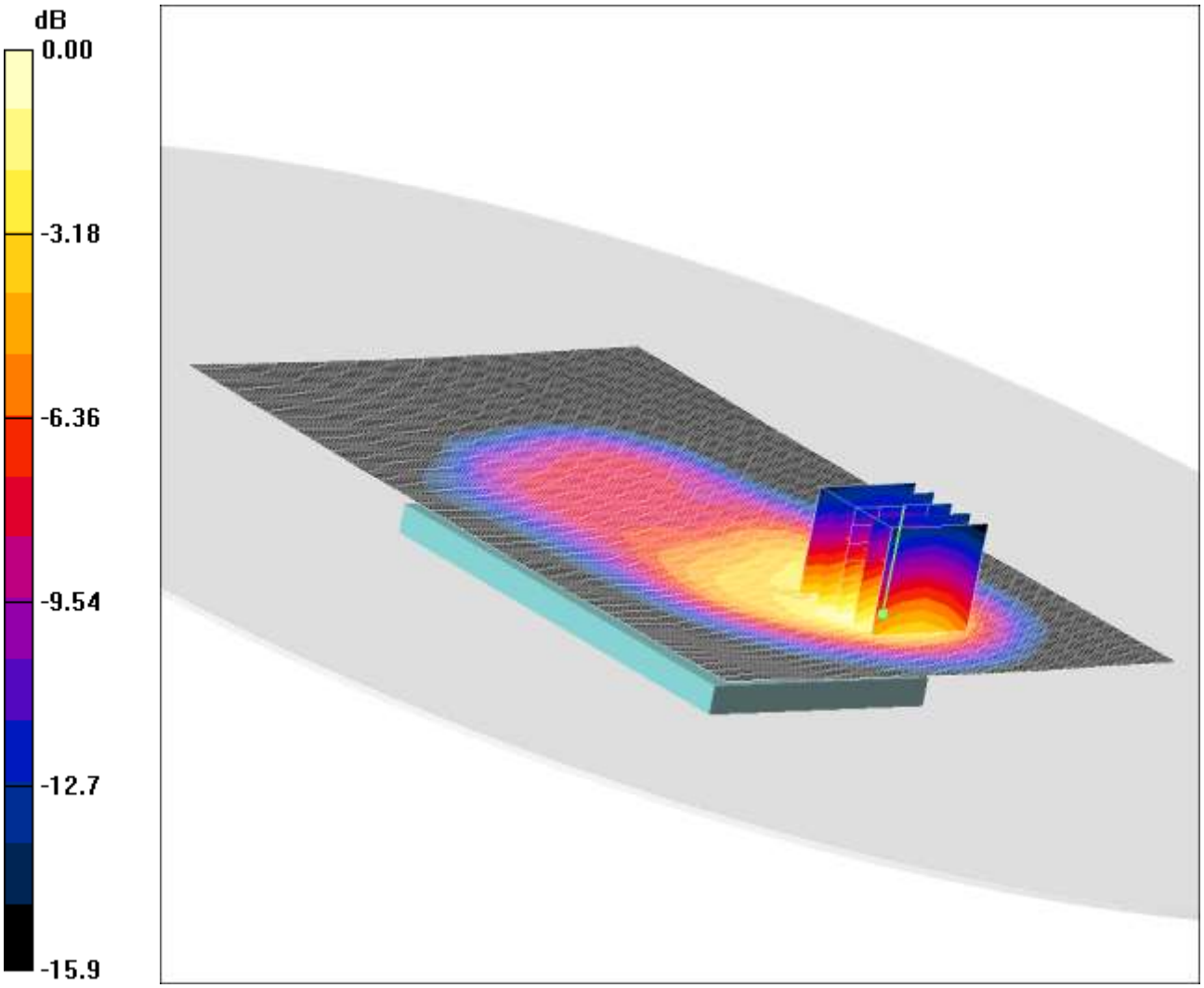


0 dB = 0.333mW/g

Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.56 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - High 2/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.320 mW/g
Back of EUT Facing Phantom - High 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.95 V/m; Power Drift = 0.086 dB
Peak SAR (extrapolated) = 0.444 W/kg
SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.333 mW/g

SCN/90579JD02/034: Back of EUT Facing Phantom with PHF at 15mm PCS CH512
Date 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

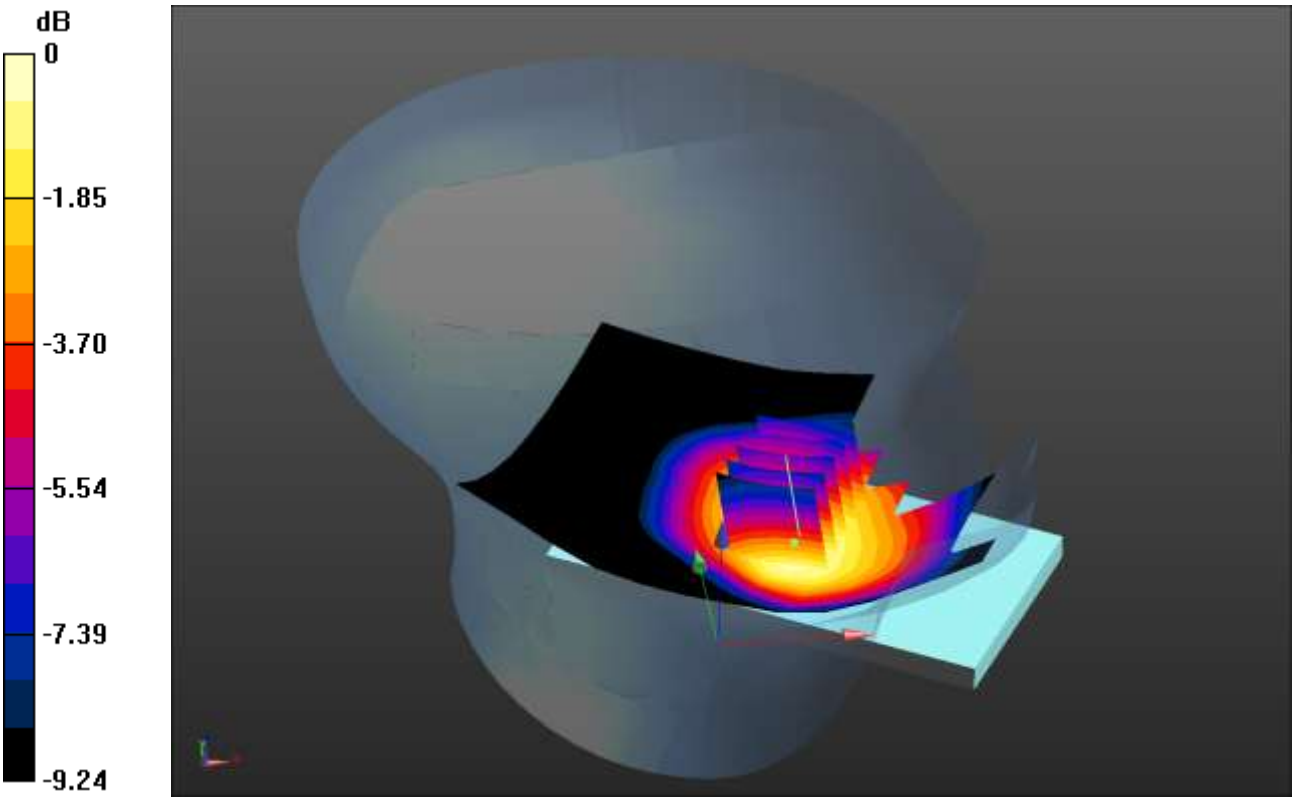


0 dB = 0.376mW/g

Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.5 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom with PHF - Low/Area Scan 2 (101x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.394 mW/g
Back of EUT Facing Phantom with PHF - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.61 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.376 mW/g

SCN/90579JD02/035: Touch Left UMTS FDD 5 CH4183
Date: 18/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

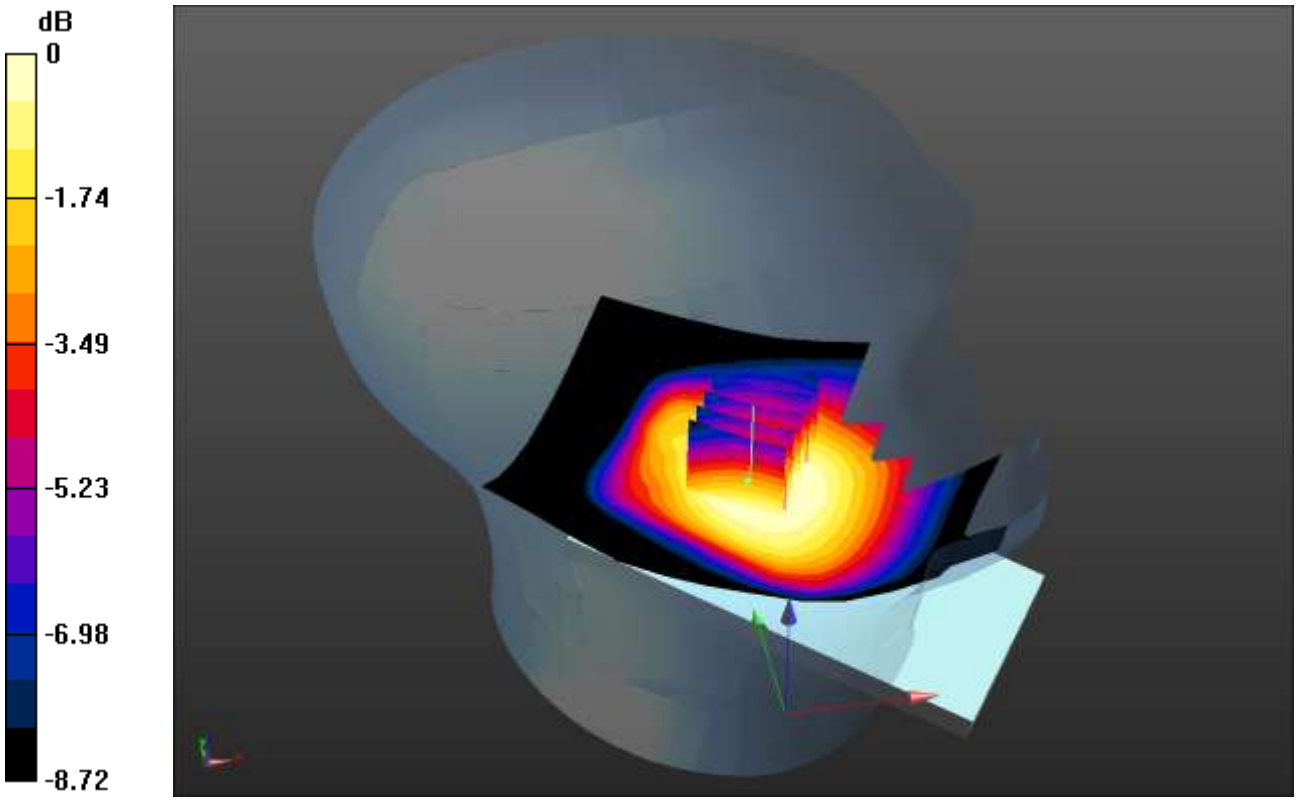


0 dB = 0.463 W/kg = -3.34 dBW/kg

Communication System: UMTS FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.934 mho/m; ε_r = 43.105; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.465 W/kg
Configuration/Touch Left - Middle/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.760 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.564 W/kg
SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (measured) = 0.463 W/kg

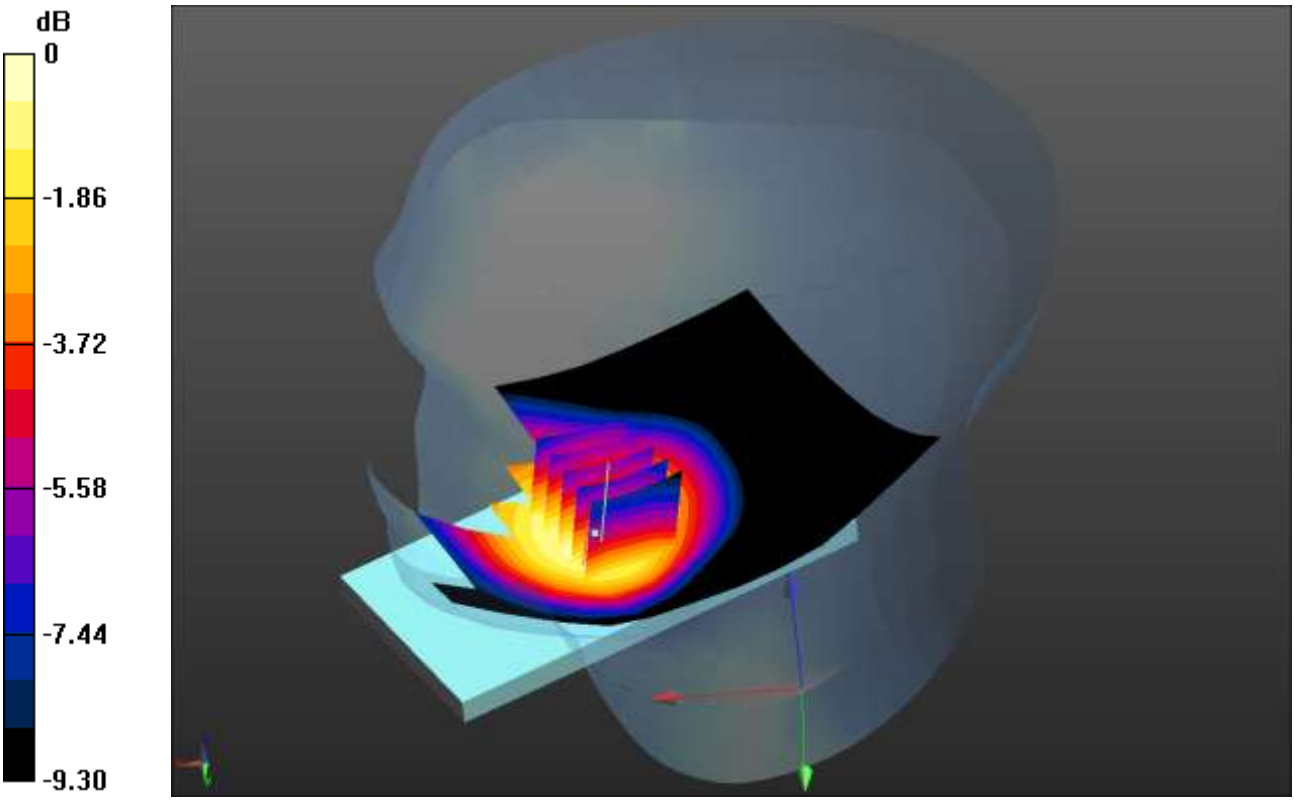
SCN/90579JD02/036: Tilt Left UMTS FDD 5 CH4183
Date: 18/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.221 W/kg = -6.56 dBW/kg
Communication System: UMTS FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.934 mho/m; ε_r = 43.105; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.253 W/kg
Configuration/Tilt Left - Middle/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.240 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.167 W/kg
Maximum value of SAR (measured) = 0.221 W/kg

SCN/90579JD02/037: Touch Right UMTS FDD 5 CH4183
Date: 18/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

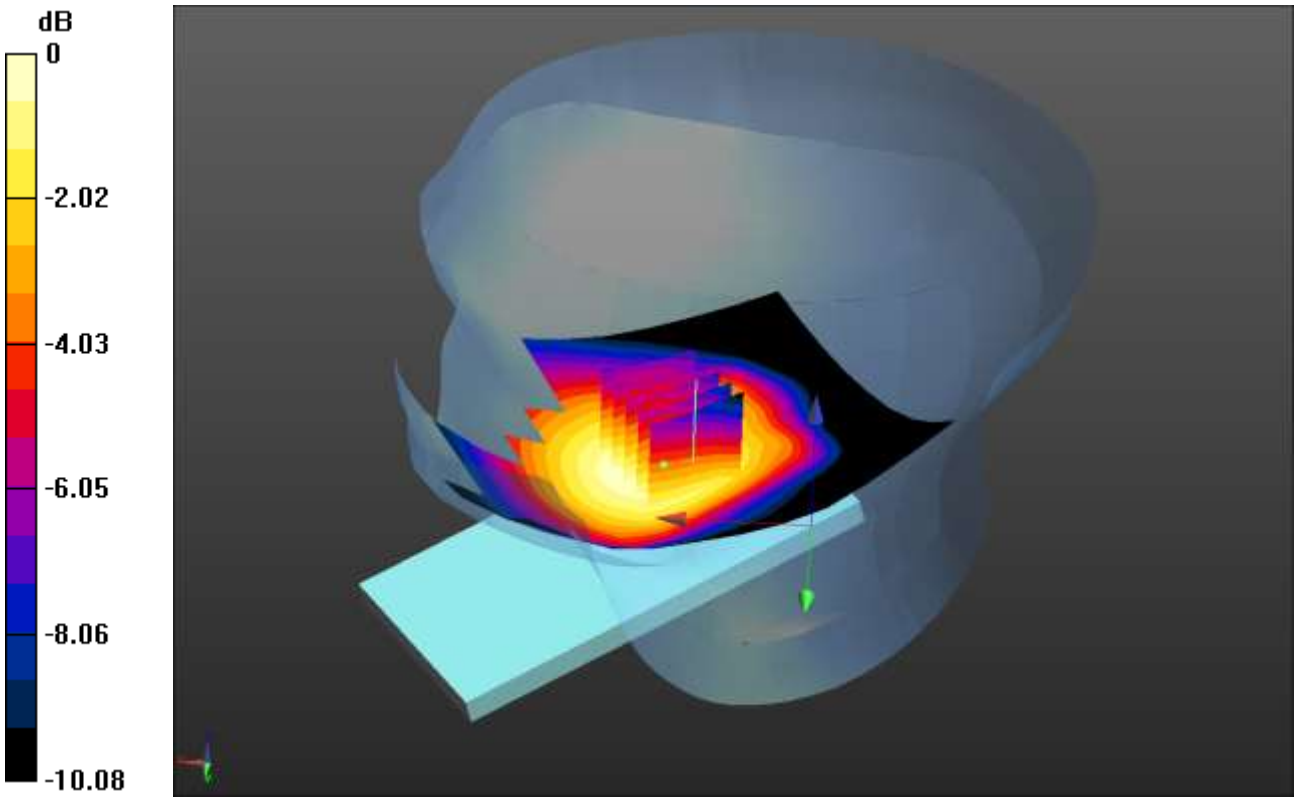


0 dB = 0.438 W/kg = -3.59 dBW/kg

Communication System: UMTS FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.934 mho/m; ε_r = 43.105; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Right - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.431 W/kg
Configuration/Touch Right - Middle/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.551 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.518 W/kg
SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.314 W/kg
Maximum value of SAR (measured) = 0.438 W/kg

SCN/90579JD02/038: Tilt Right UMTS FDD 5 CH4183
Date: 18/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

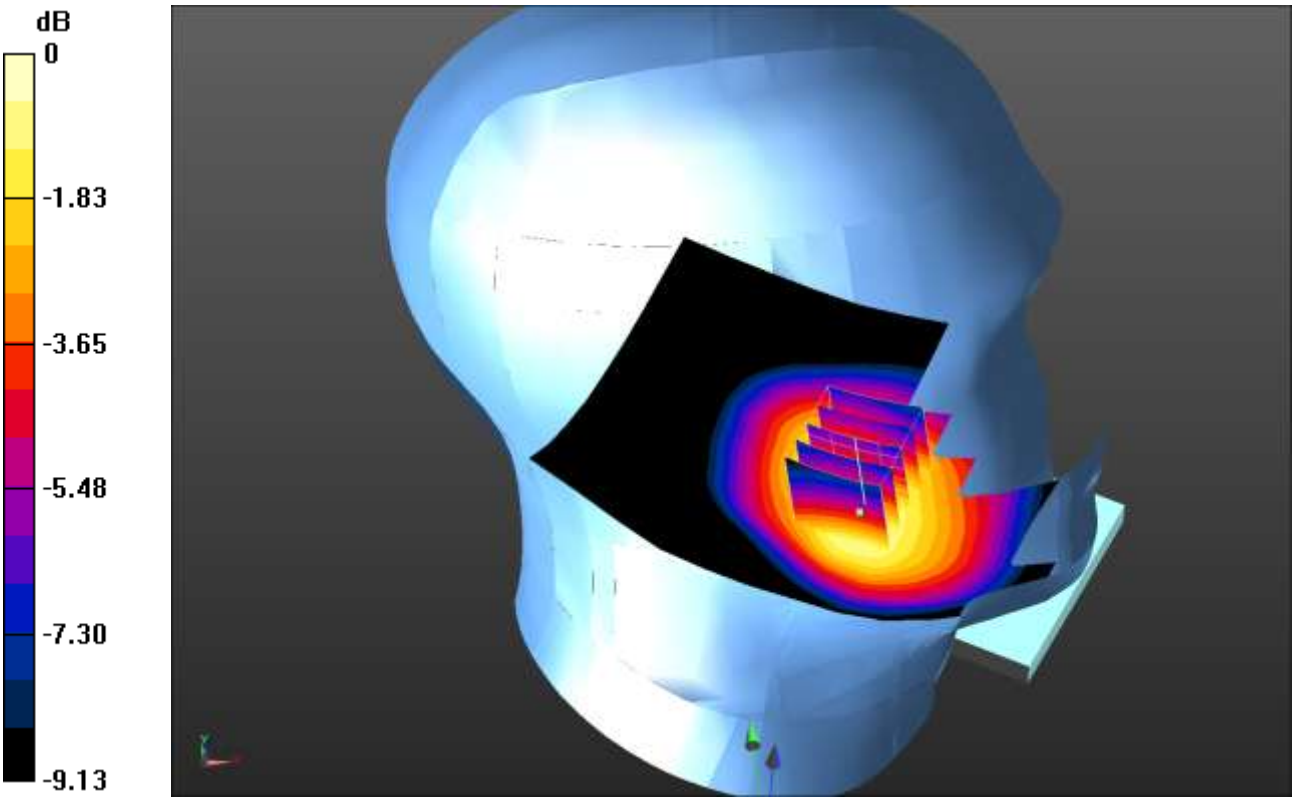


0 dB = 0.221 W/kg = -6.56 dBW/kg

Communication System: UMTS FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.934 mho/m; ε_r = 43.105; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Right - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.236 W/kg
Configuration/Tilt Right - Middle/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.922 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.164 W/kg
Maximum value of SAR (measured) = 0.221 W/kg

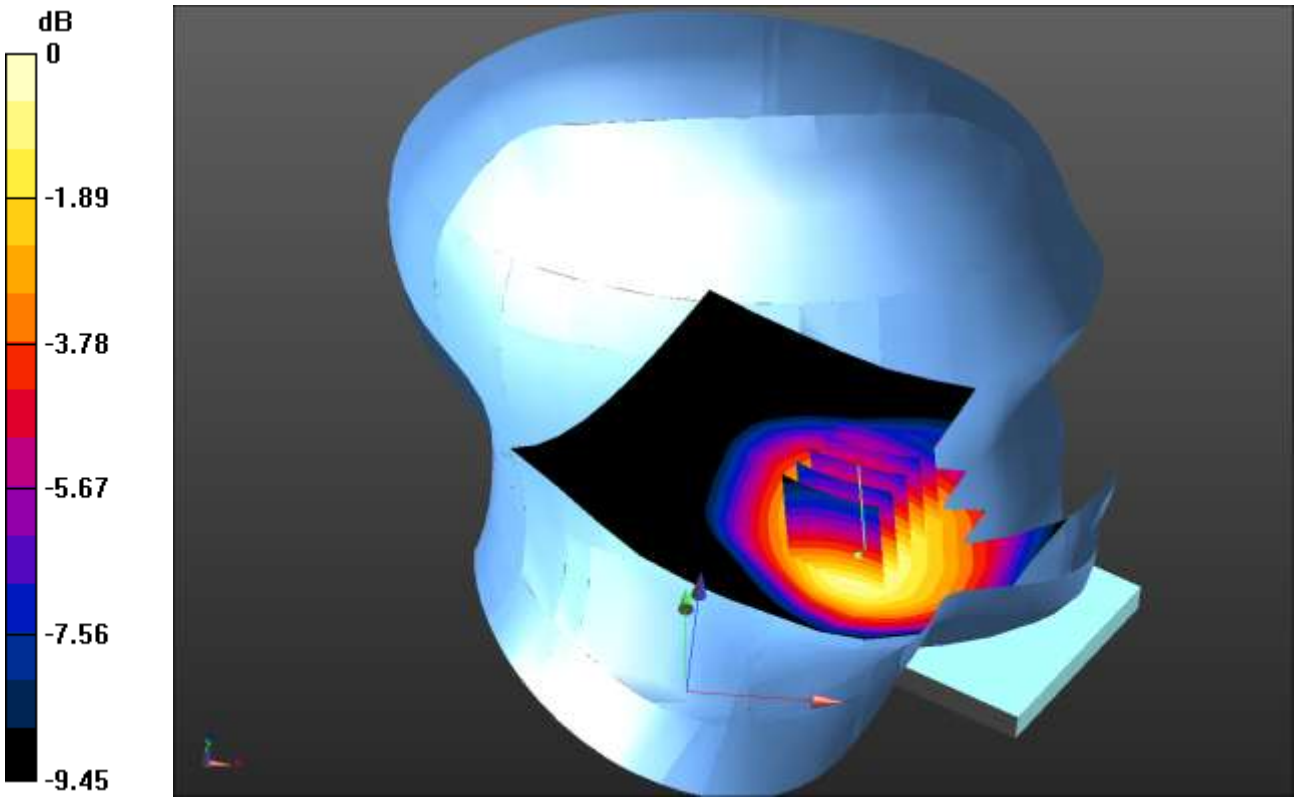
SCN/90579JD02/039: Touch Left UMTS FDD 5 CH4132
Date: 18/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.538 W/kg = -2.69 dBW/kg
Communication System: UMTS FDD 5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.928 mho/m; ε_r = 43.175; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Low/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.527 W/kg
Configuration/Touch Left - Low/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.677 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.653 W/kg
SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.382 W/kg
Maximum value of SAR (measured) = 0.538 W/kg

SCN/90579JD02/040: Touch Left UMTS FDD 5 CH4233
Date: 18/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

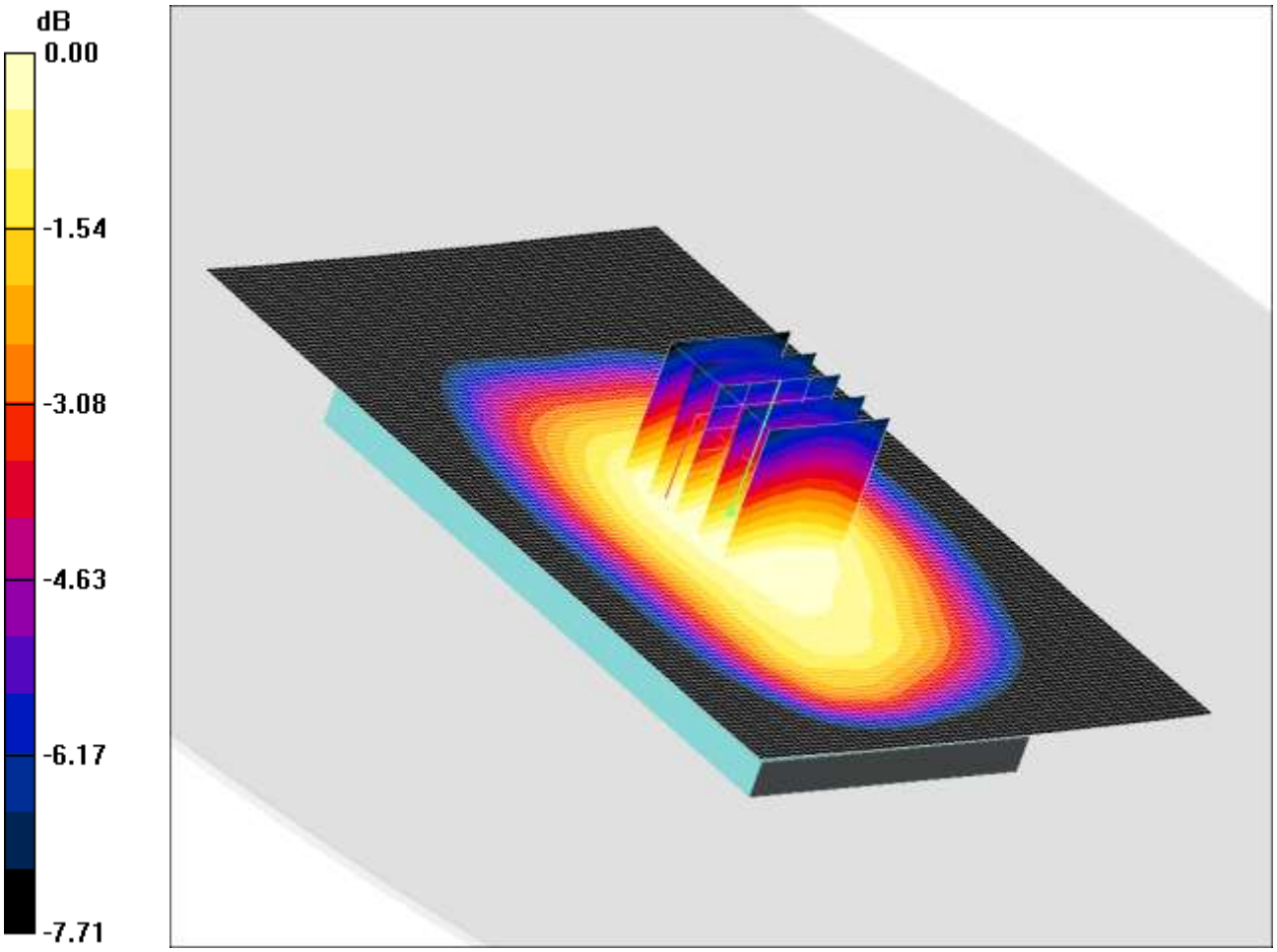


0 dB = 0.579 W/kg = -2.37 dBW/kg

Communication System: UMTS FDD 5; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.94 mho/m; ε_r = 43.036; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - High/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.581 W/kg
Configuration/Touch Left - High/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.331 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.718 W/kg
SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.410 W/kg
Maximum value of SAR (measured) = 0.579 W/kg

SCN/90579JD02/041: Front of EUT Facing Phantom FDD 5 CH4183
Date: 19/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

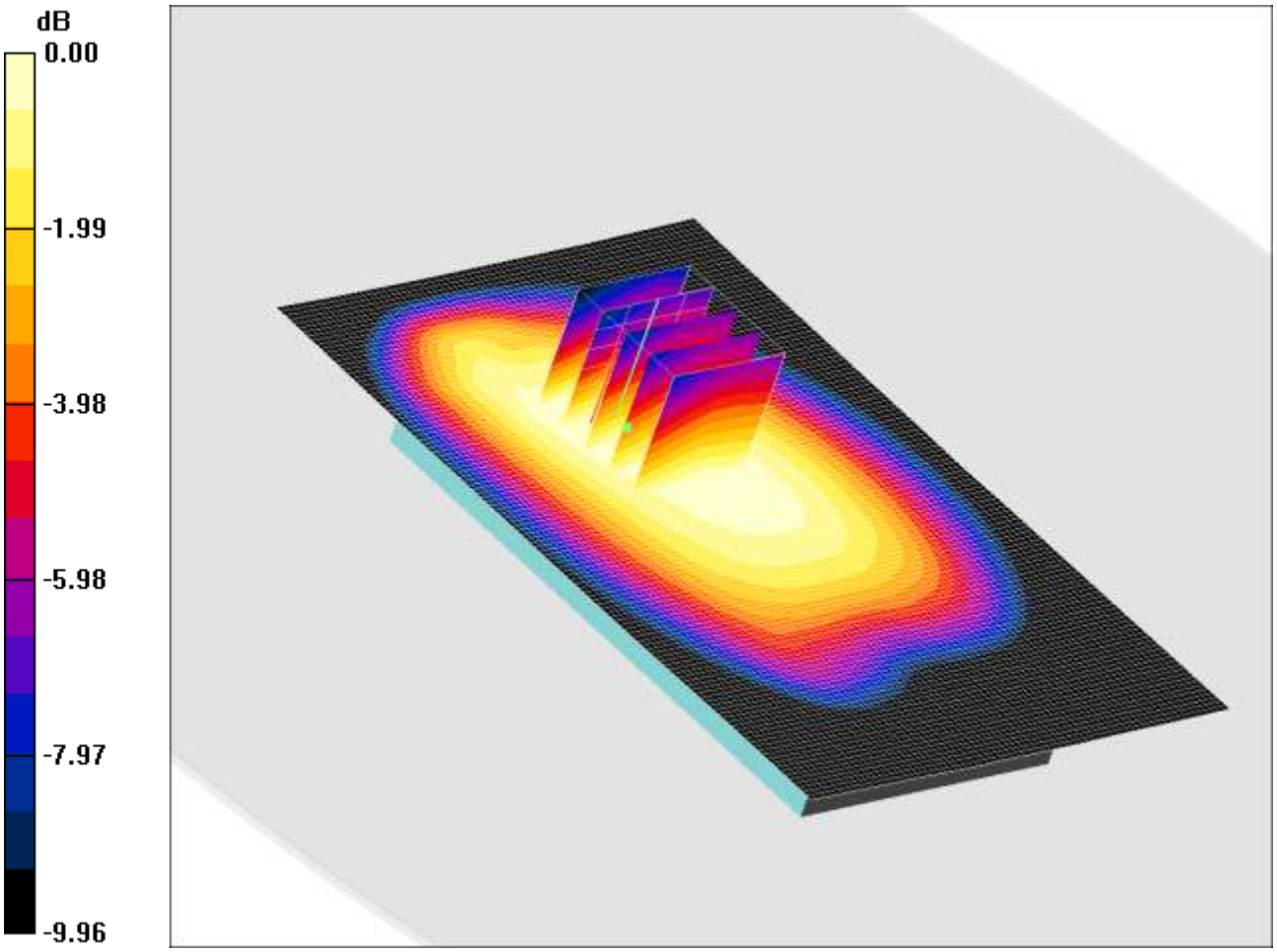


0 dB = 0.452mW/g

Communication System: UMTS-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.982 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.463 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.1 V/m; Power Drift = -0.105 dB
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (measured) = 0.452 mW/g

SCN/90579JD02/042: Back of EUT Facing Phantom FDD 5 CH4183
Date: 20/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

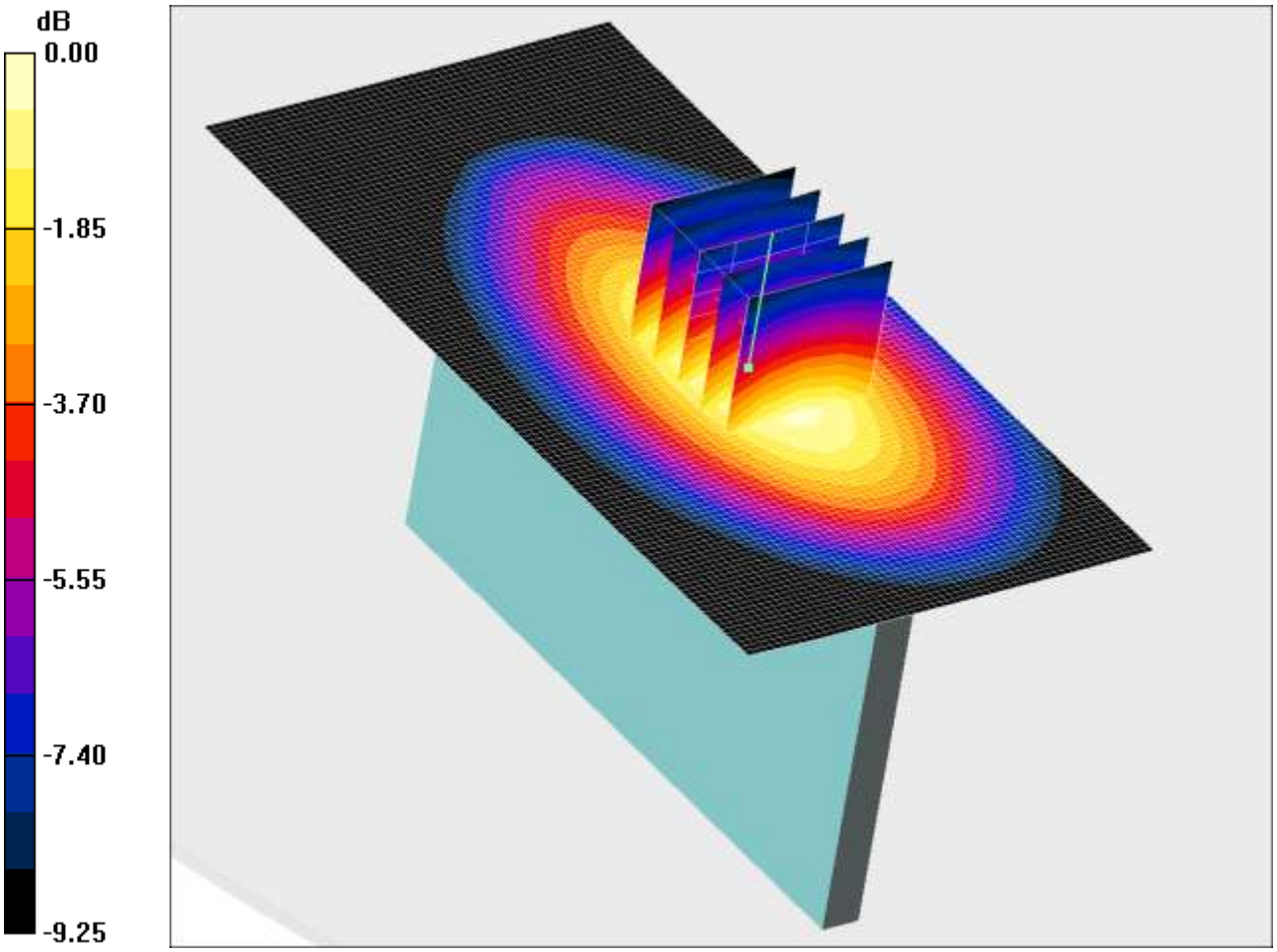


0 dB = 0.461mW/g

Communication System: UMTS-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.982 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.460 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.1 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.317 mW/g
Maximum value of SAR (measured) = 0.461 mW/g

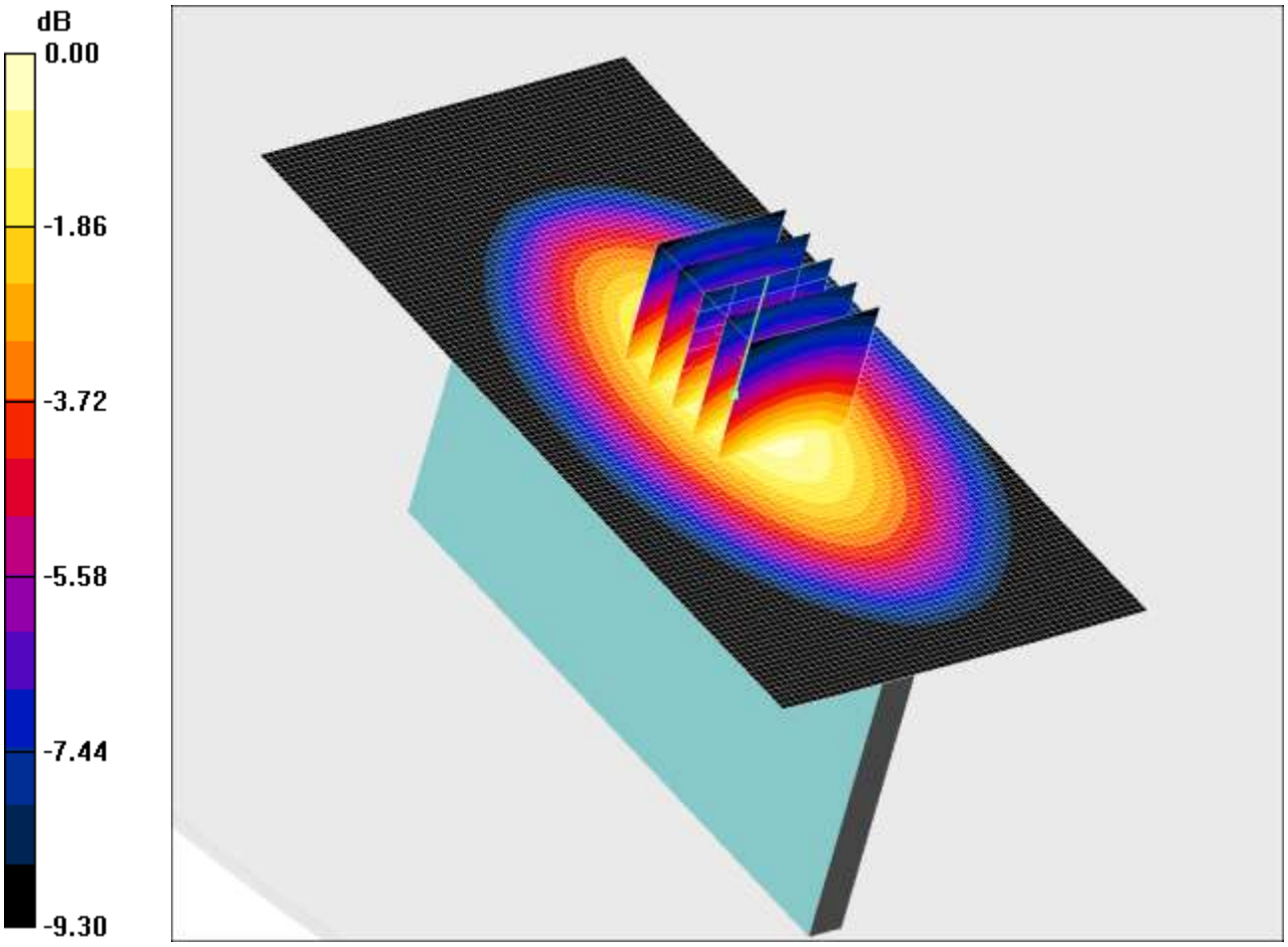
SCN/90579JD02/043: Left Hand Side of EUT Facing Phantom FDD 5 CH4183
Date: 19/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.293mW/g
Communication System: UMTS-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.982 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Left Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.290 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = -0.084 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 0.293 mW/g

SCN/90579JD02/044: Right Hand Side of EUT Facing Phantom FDD 5 CH4183
Date: 20/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

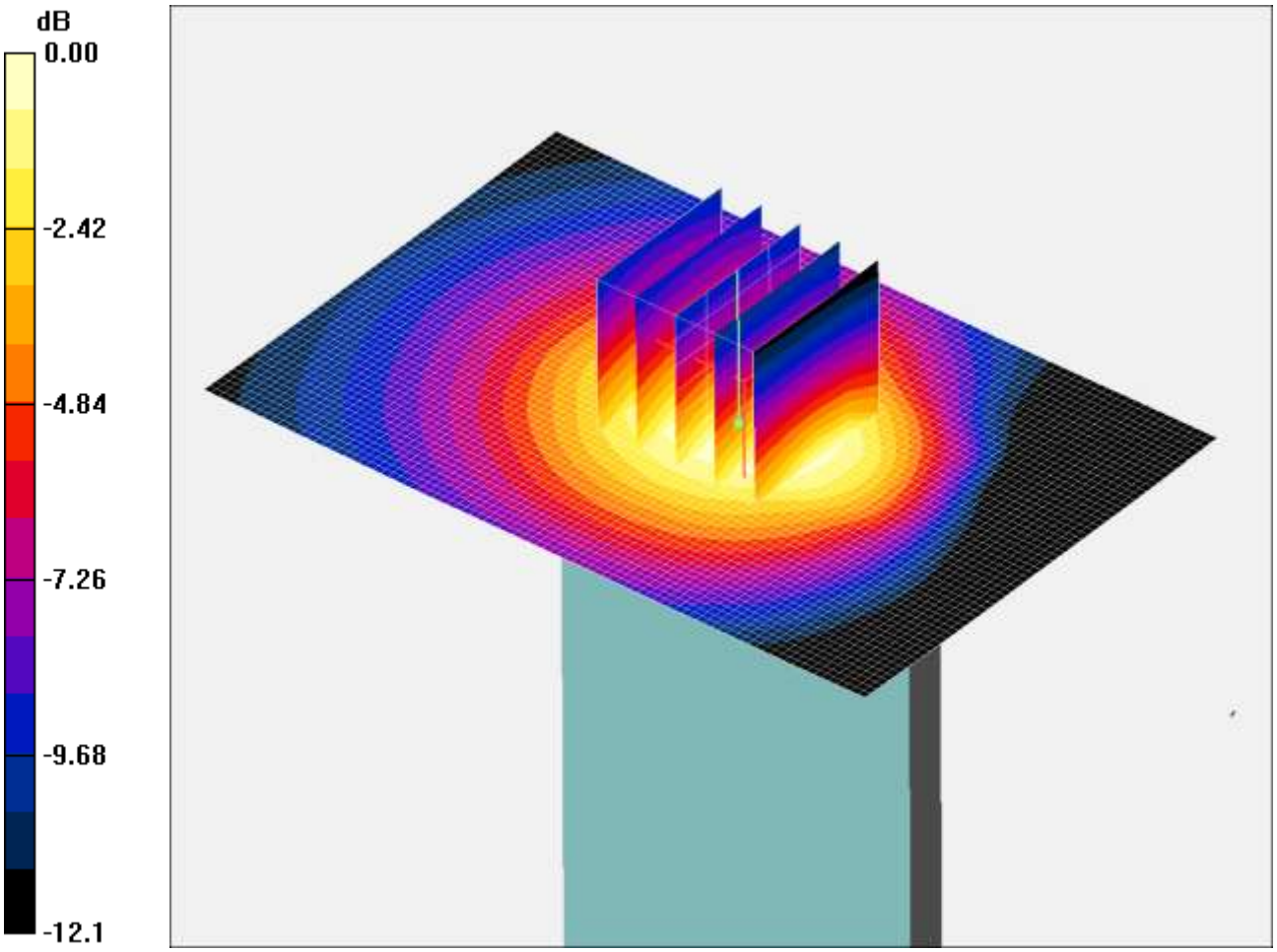


0 dB = 0.329mW/g

Communication System: UMTS-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.982 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Right Hand Side of EUT Facing Phantom - Middle 2/Area Scan 2 (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.331 mW/g
Right Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.9 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.401 W/kg
SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.200 mW/g
Maximum value of SAR (measured) = 0.329 mW/g

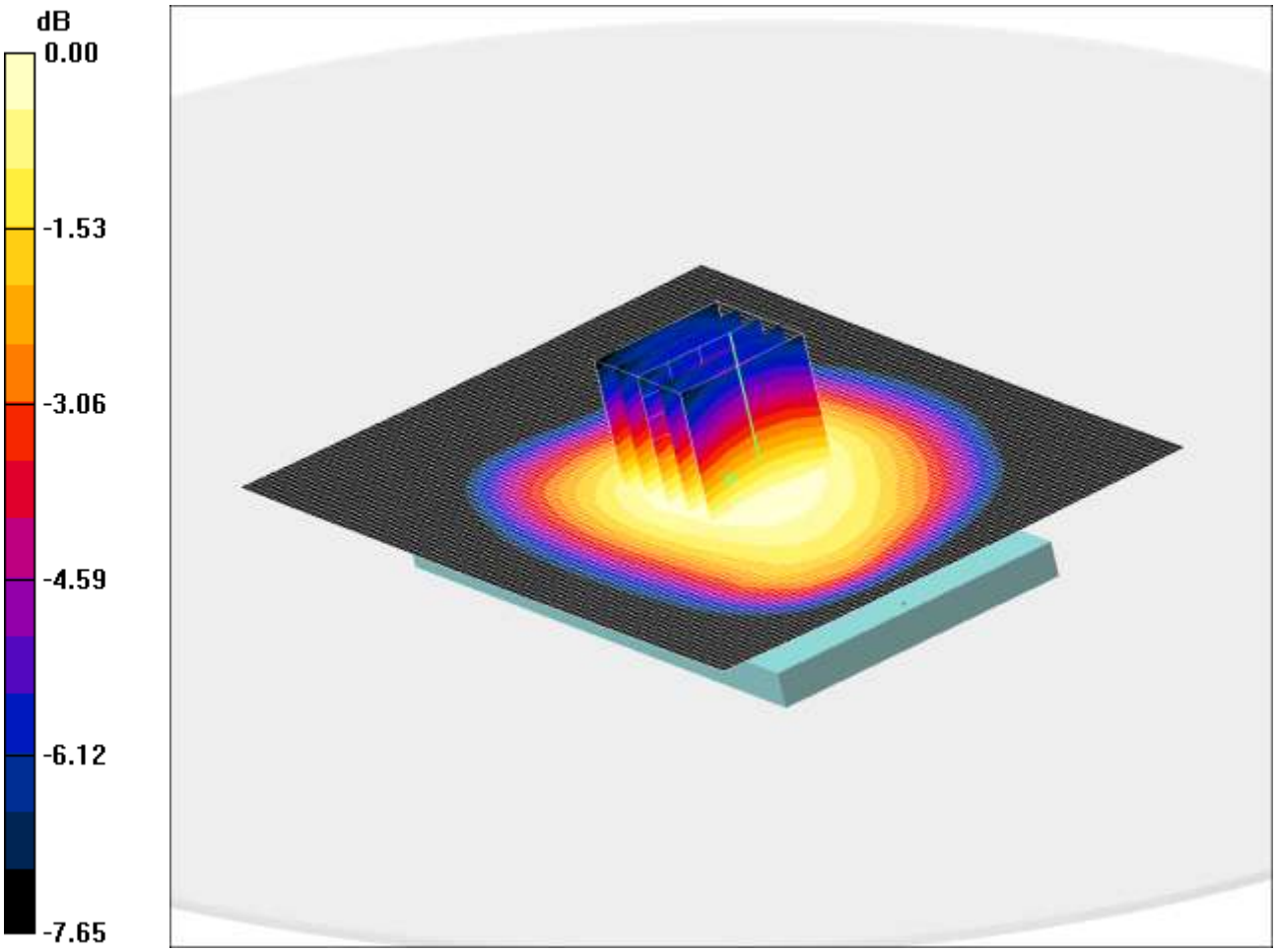
SCN/90579JD02/045: Bottom of EUT Facing Phantom FDD 5 CH4183
Date: 20/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.168mW/g
Communication System: UMTS-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.982 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Bottom of EUT Facing Phantom - Middle/Area Scan 2 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.174 mW/g
Bottom of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = -0.219 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.168 mW/g

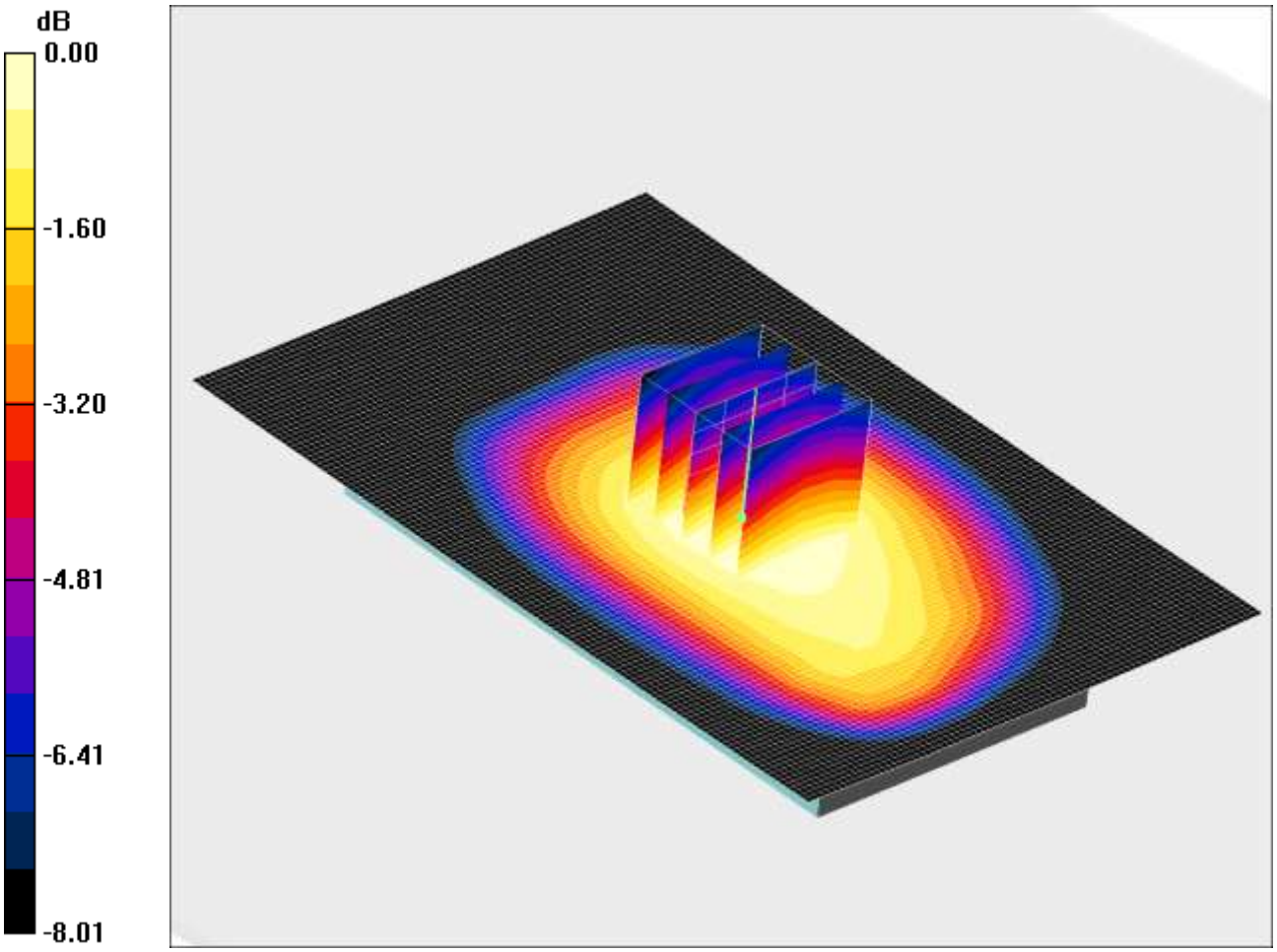
SCN/90579JD02/046: Front of EUT Facing Phantom FDD 5 CH4132
Date: 20/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.593mW/g
Communication System: UMTS-FDD 5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.976 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Low/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.605 mW/g
Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.5 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.672 W/kg
SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.422 mW/g
Maximum value of SAR (measured) = 0.593 mW/g

SCN/90579JD02/047: Front of EUT Facing Phantom FDD 5 CH4233
Date: 20/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

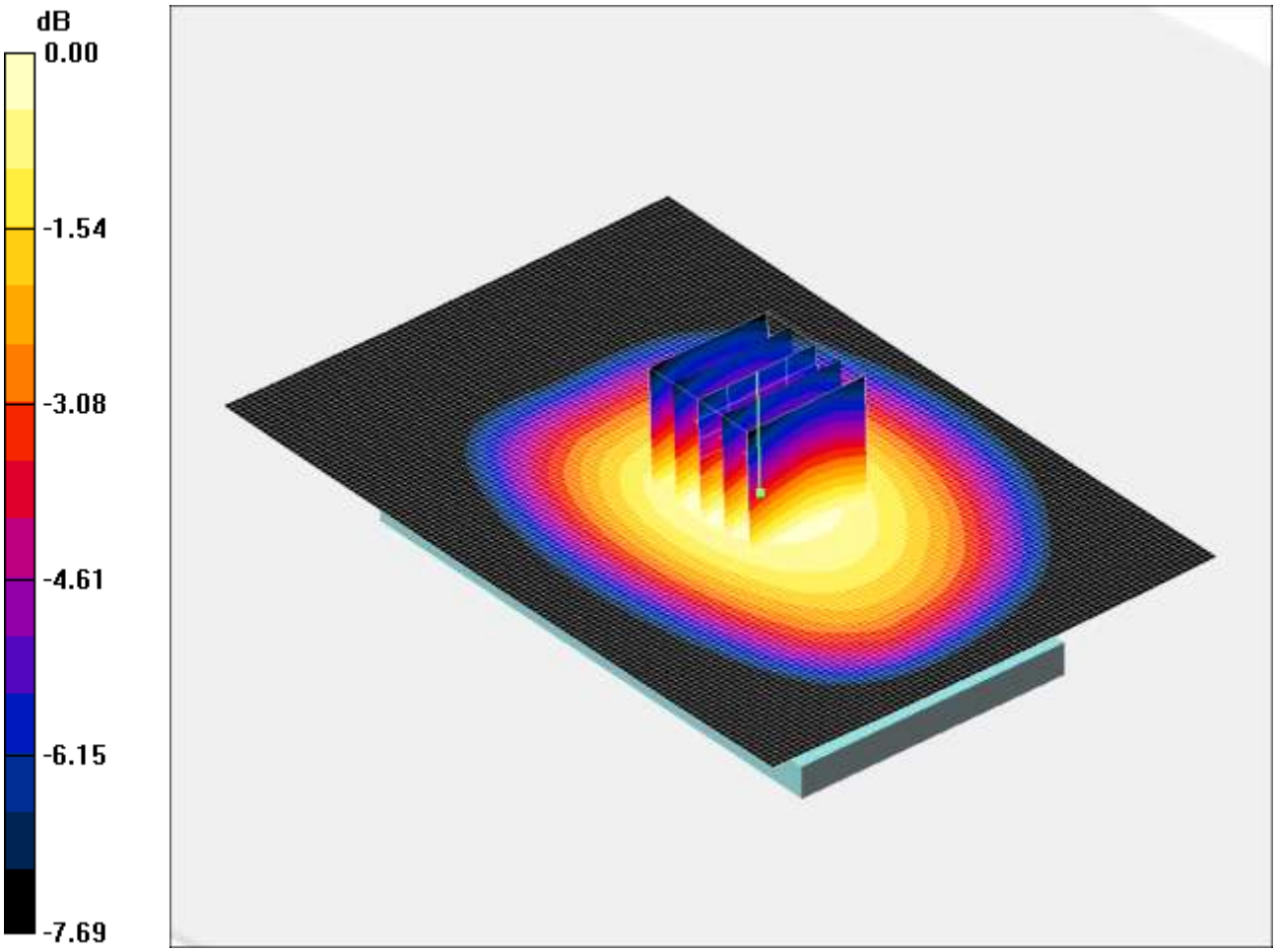


0 dB = 0.545mW/g

Communication System: UMTS-FDD 5; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.988 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - High/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.534 mW/g
Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.9 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 0.618 W/kg
SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.384 mW/g
Maximum value of SAR (measured) = 0.545 mW/g

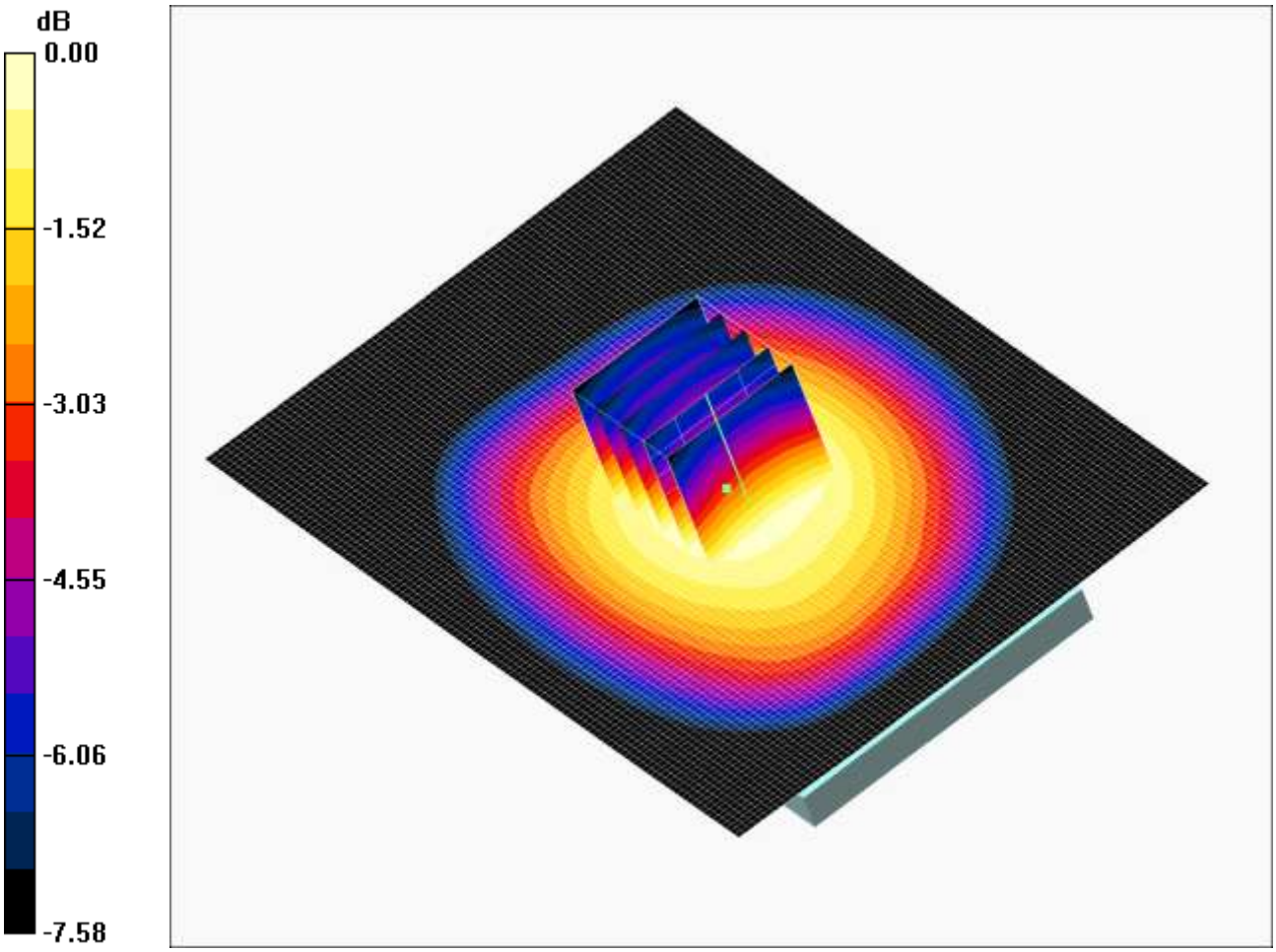
SCN/90579JD02/048: Front of EUT Facing Phantom at 15mm FDD 5 CH4183
Date: 21/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.432mW/g
Communication System: UMTS-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.974 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom at 15mm - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.421 mW/g
Front of EUT Facing Phantom at 15mm - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.5 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 0.432 mW/g

SCN/90579JD02/049: Front of EUT Facing Phantom at 15mm FDD 5 CH4132
Date: 21/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

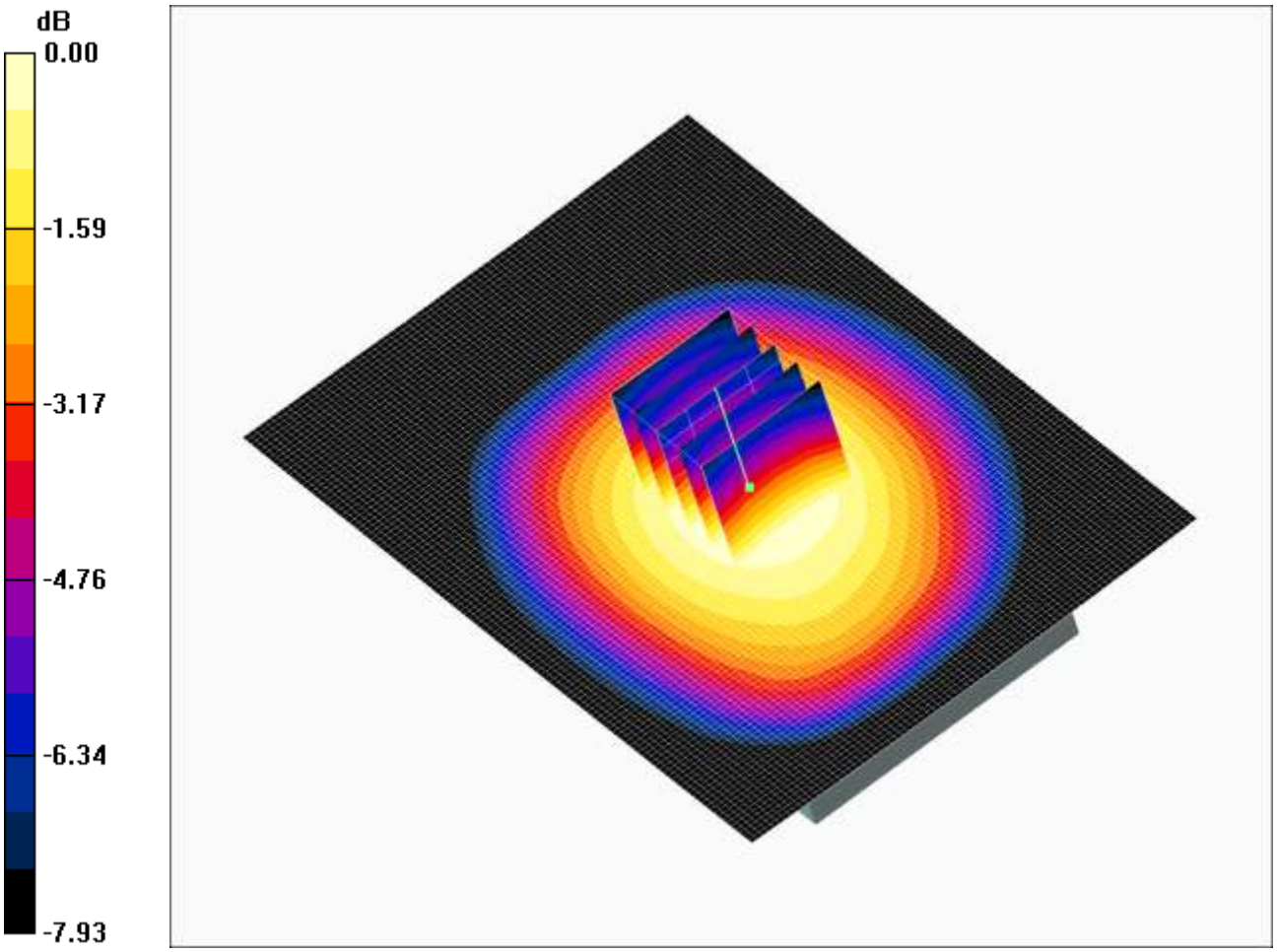


0 dB = 0.559mW/g

Communication System: UMTS-FDD 5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.967 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom at 15mm - Low/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.555 mW/g
Front of EUT Facing Phantom at 15mm - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.3 V/m; Power Drift = 0.100 dB
Peak SAR (extrapolated) = 0.630 W/kg
SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.394 mW/g
Maximum value of SAR (measured) = 0.559 mW/g

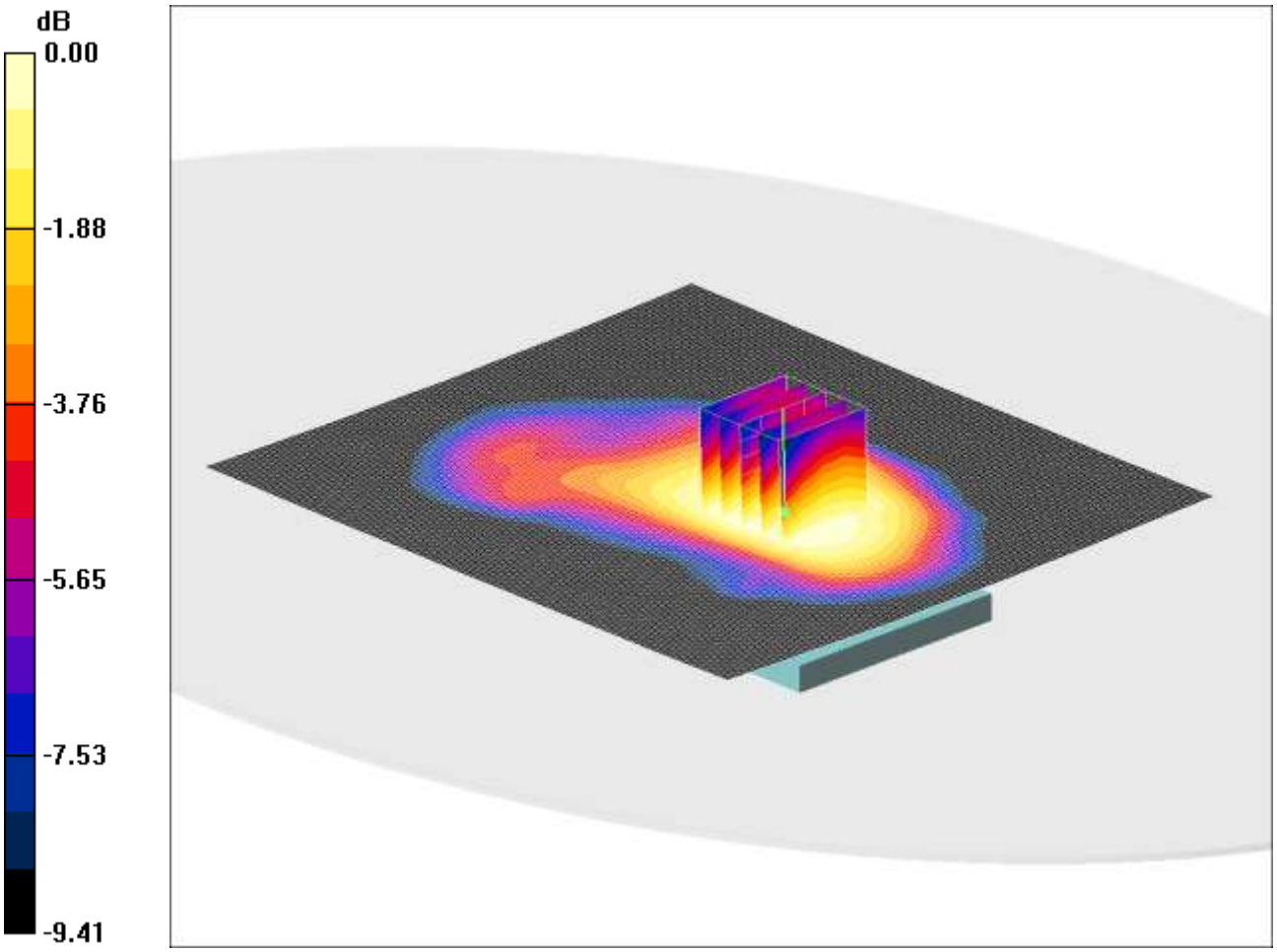
SCN/90579JD02/050: Front of EUT Facing Phantom at 15mm FDD 5 CH4233
Date: 21/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.474mW/g
Communication System: UMTS-FDD 5; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.981 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom at 15mm - High/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.477 mW/g
Front of EUT Facing Phantom at 15mm - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.6 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 0.543 W/kg
SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.331 mW/g
Maximum value of SAR (measured) = 0.474 mW/g

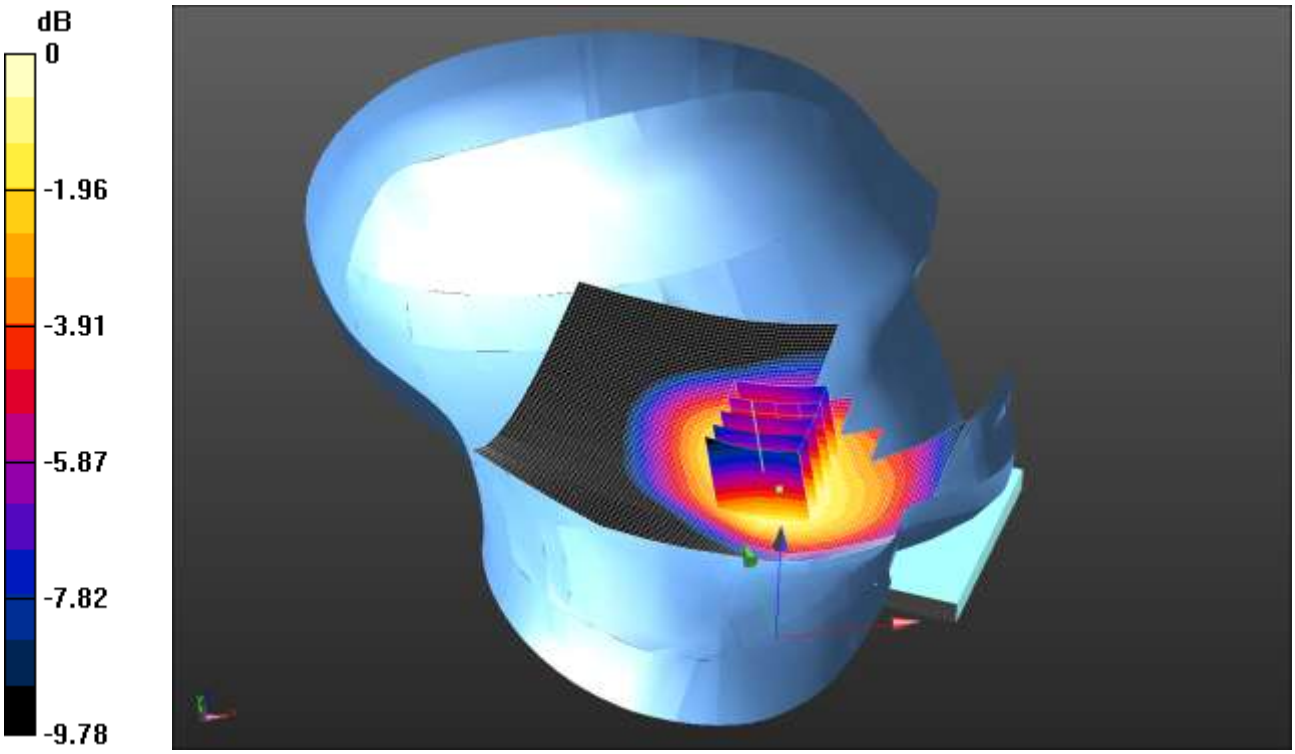
SCN/90579JD02/051: Front of EUT Facing Phantom at 15mm with PHF FDD 5 CH4132
Date: 21/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV



0 dB = 0.511mW/g
Communication System: UMTS-FDD 5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.967 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom at 15mm - Low/Area Scan 2 (121x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.507 mW/g
Front of EUT Facing Phantom at 15mm - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.4 V/m; Power Drift = 0.051 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.371 mW/g
Maximum value of SAR (measured) = 0.511 mW/g

SCN/90579JD02/052: Touch Left LTE Band 5 10MHz BW 1RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

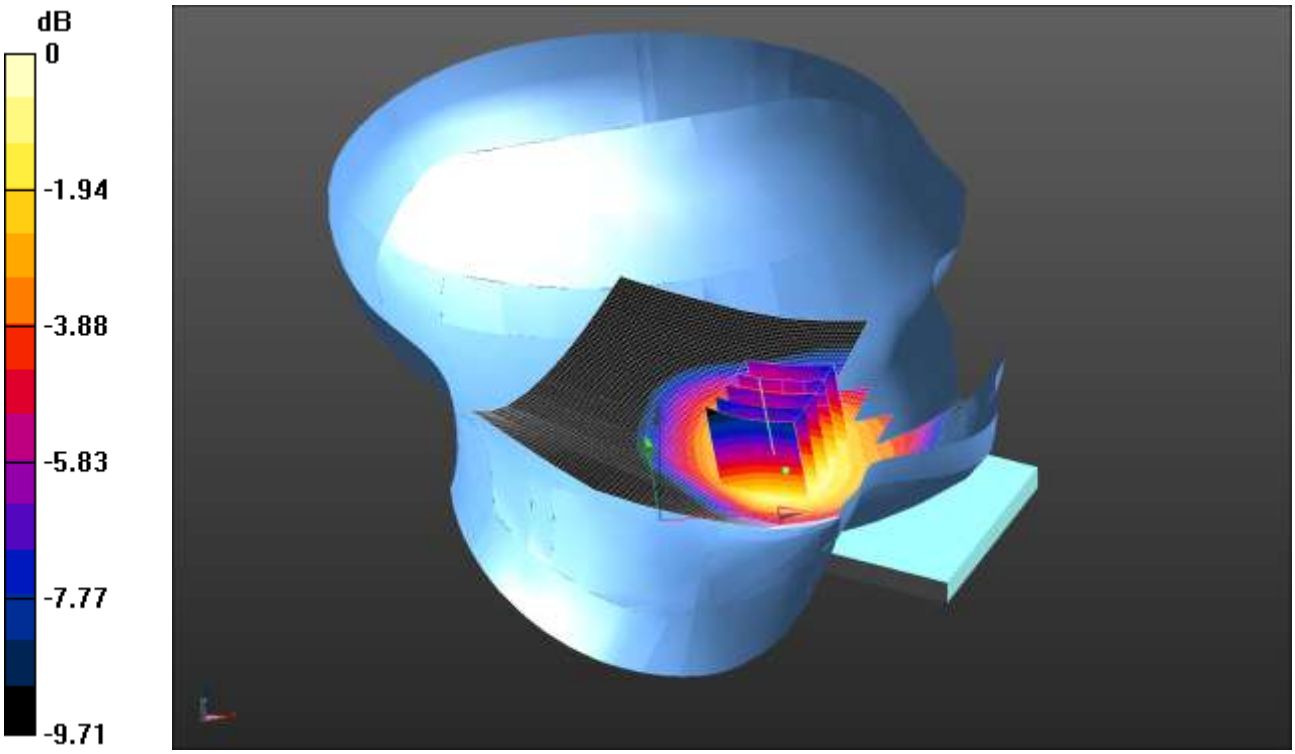


0 dB = 0.345 W/kg = -4.62 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.349 W/kg
Configuration/Touch Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.094 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.247 W/kg
Maximum value of SAR (measured) = 0.345 W/kg

SCN/90579JD02/053: Touch Left LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

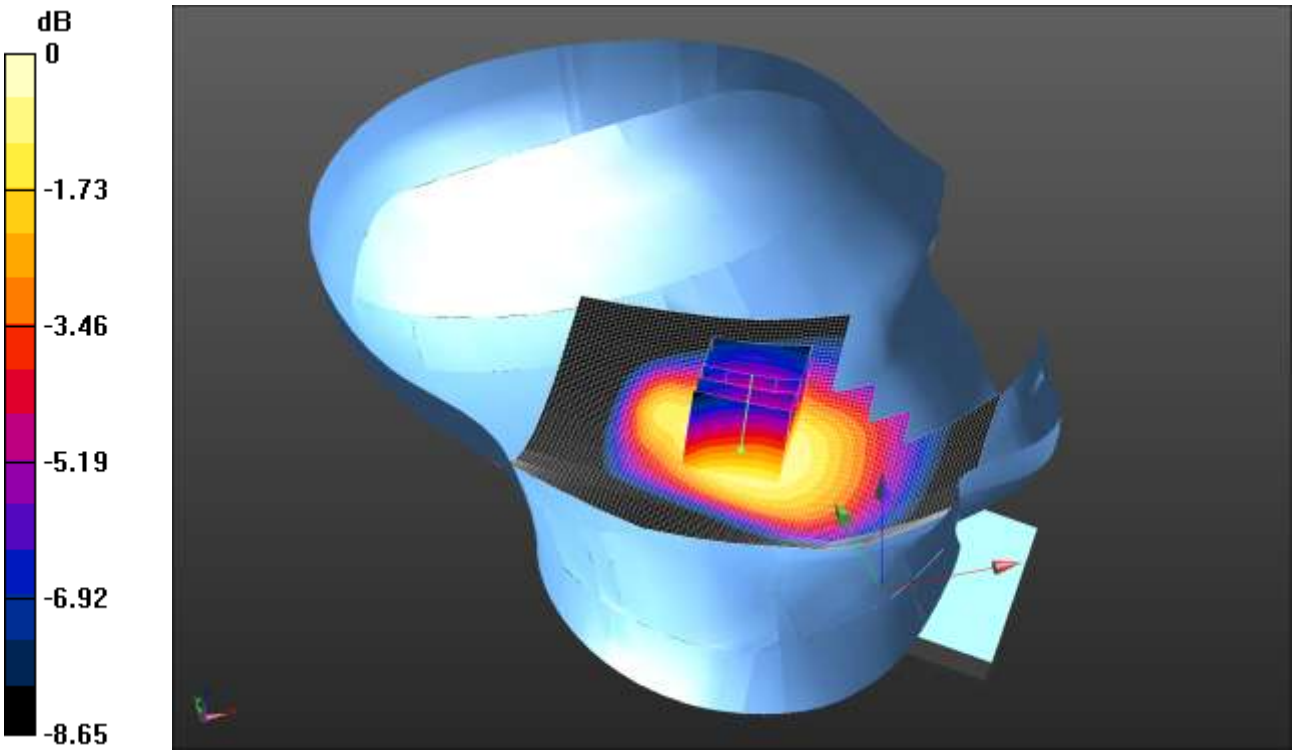


0 dB = 0.266 W/kg = -5.75 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.275 W/kg
Configuration/Touch Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.430 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.328 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.266 W/kg

SCN/90579JD02/054: Tilt Left LTE Band 5 10MHz BW 1 RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

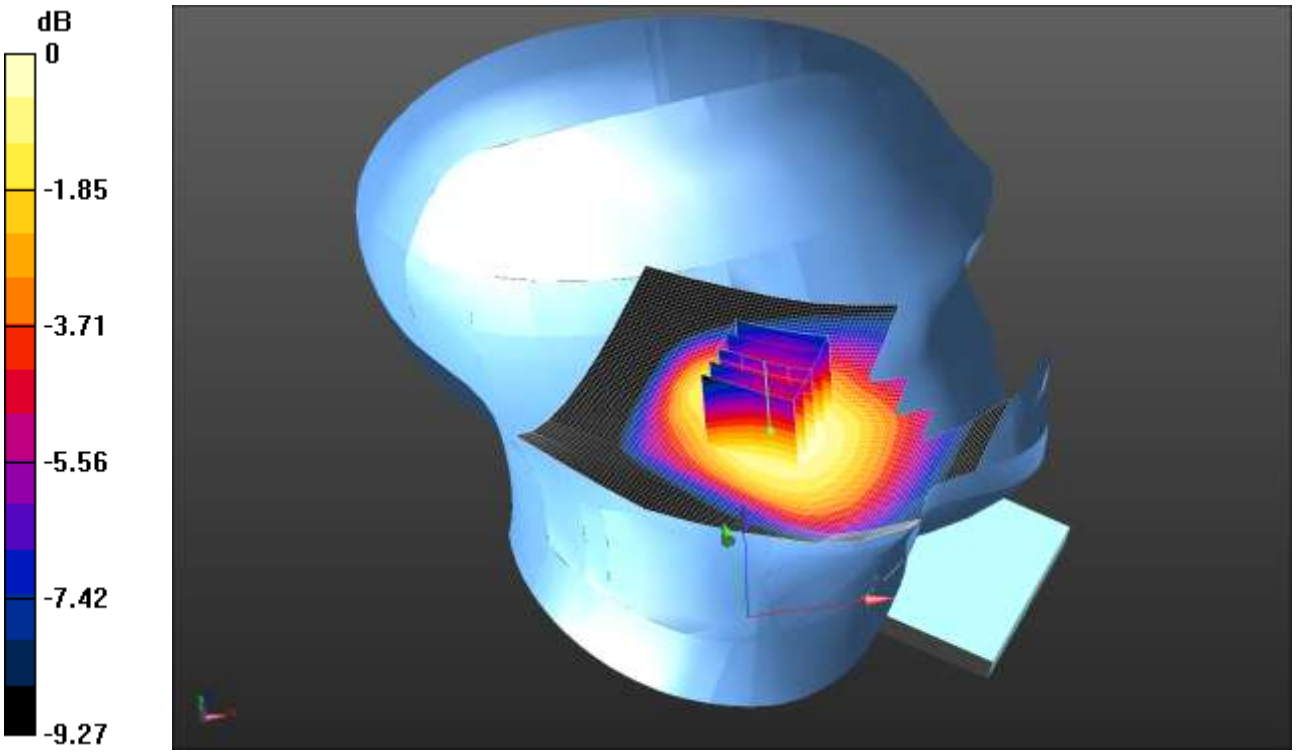


0 dB = 0.192 W/kg = -7.17 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.196 W/kg
Configuration/Tilt Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.012 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.221 W/kg
SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.192 W/kg

SCN/90579JD02/055: Tilt Left LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

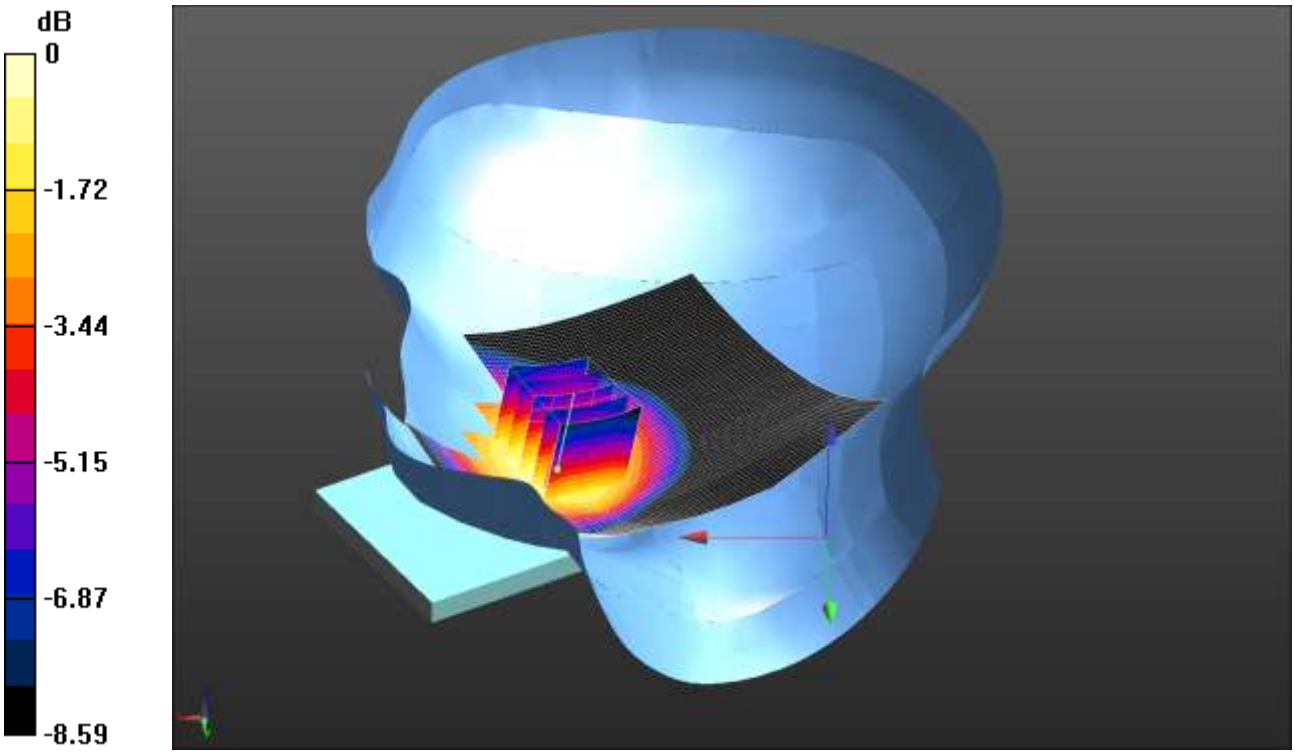


0 dB = 0.146 W/kg = -8.36 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.152 W/kg
Configuration/Tilt Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.961 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.173 W/kg
SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.108 W/kg
Maximum value of SAR (measured) = 0.146 W/kg

SCN/90579JD02/056: Touch Right LTE Band 5 10MHz BW 1 RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

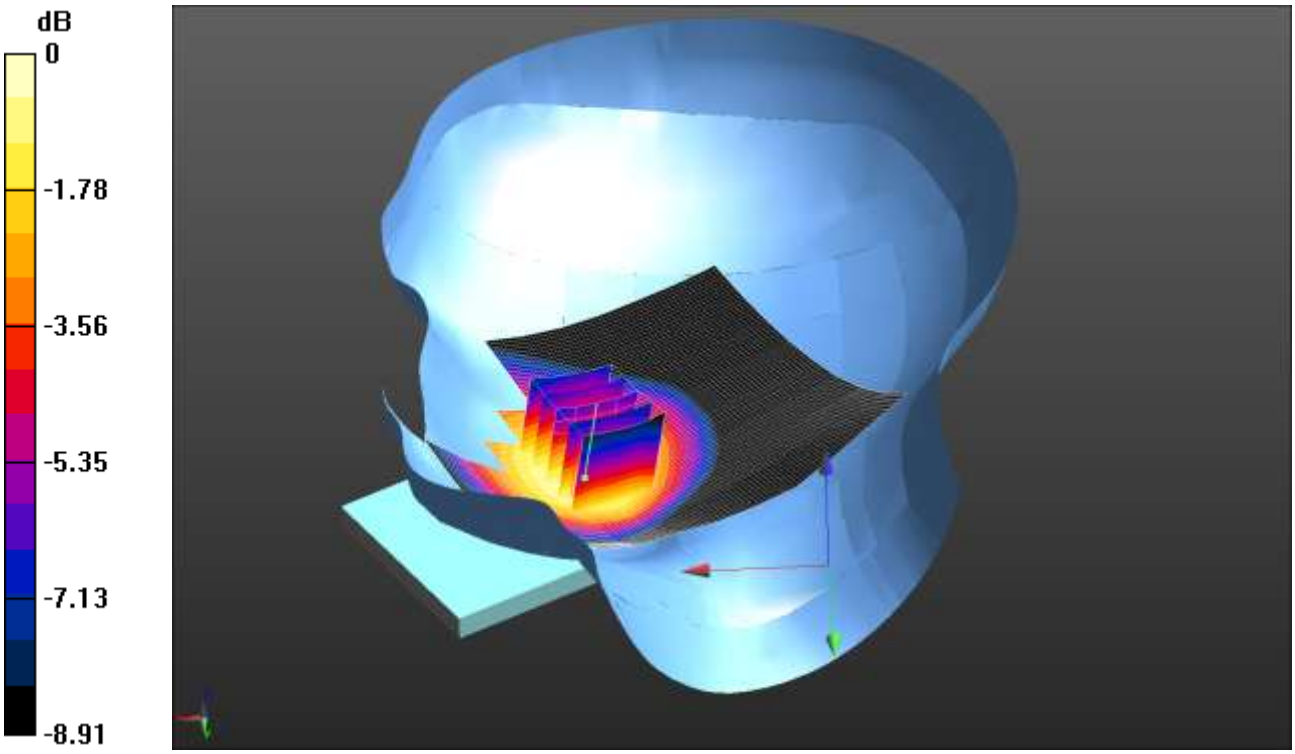


0 dB = 0.334 W/kg = -4.76 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Right/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.326 W/kg
Configuration/Touch Right/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.896 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.385 W/kg
SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.241 W/kg
Maximum value of SAR (measured) = 0.334 W/kg

SCN/90579JD02/057: Touch Right LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

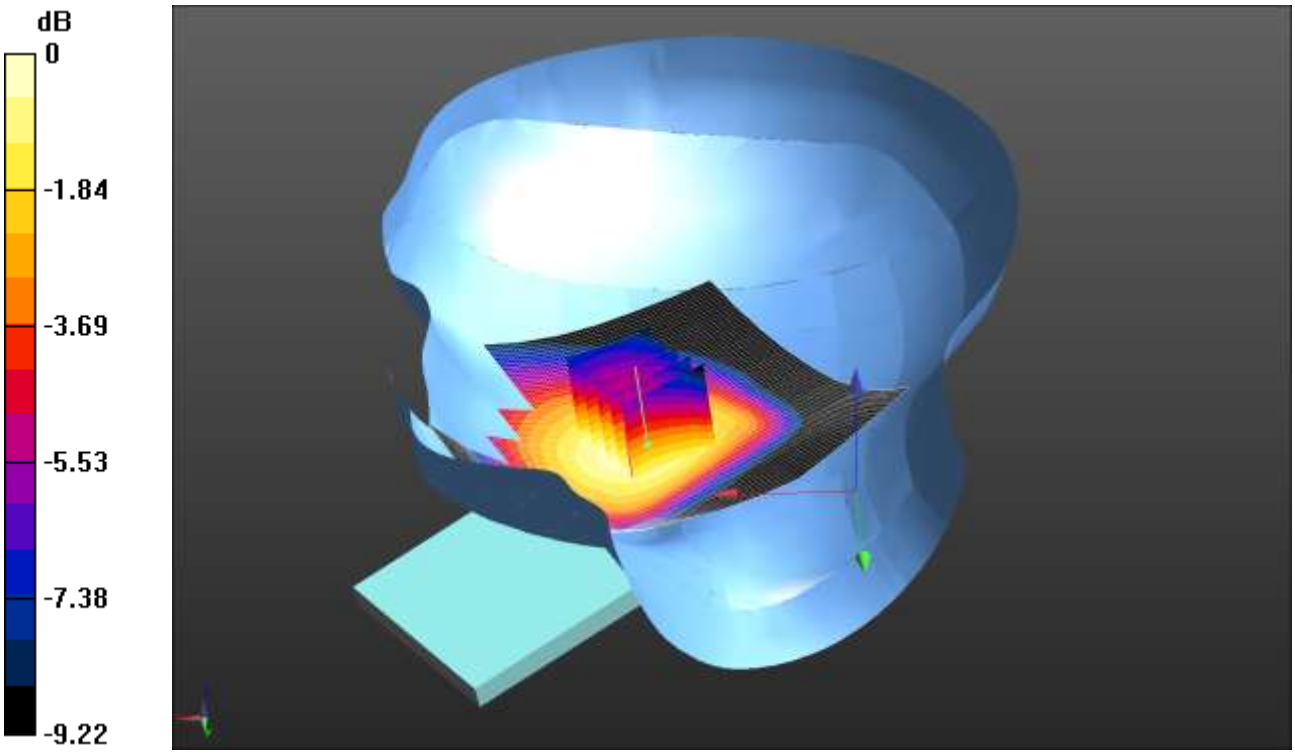


0 dB = 0.261 W/kg = -5.83 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Right/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.258 W/kg
Configuration/Touch Right/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.456 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.306 W/kg
SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.187 W/kg
Maximum value of SAR (measured) = 0.261 W/kg

SCN/90579JD02/058: Tilt Right LTE Band 5 10MHz BW 1 RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

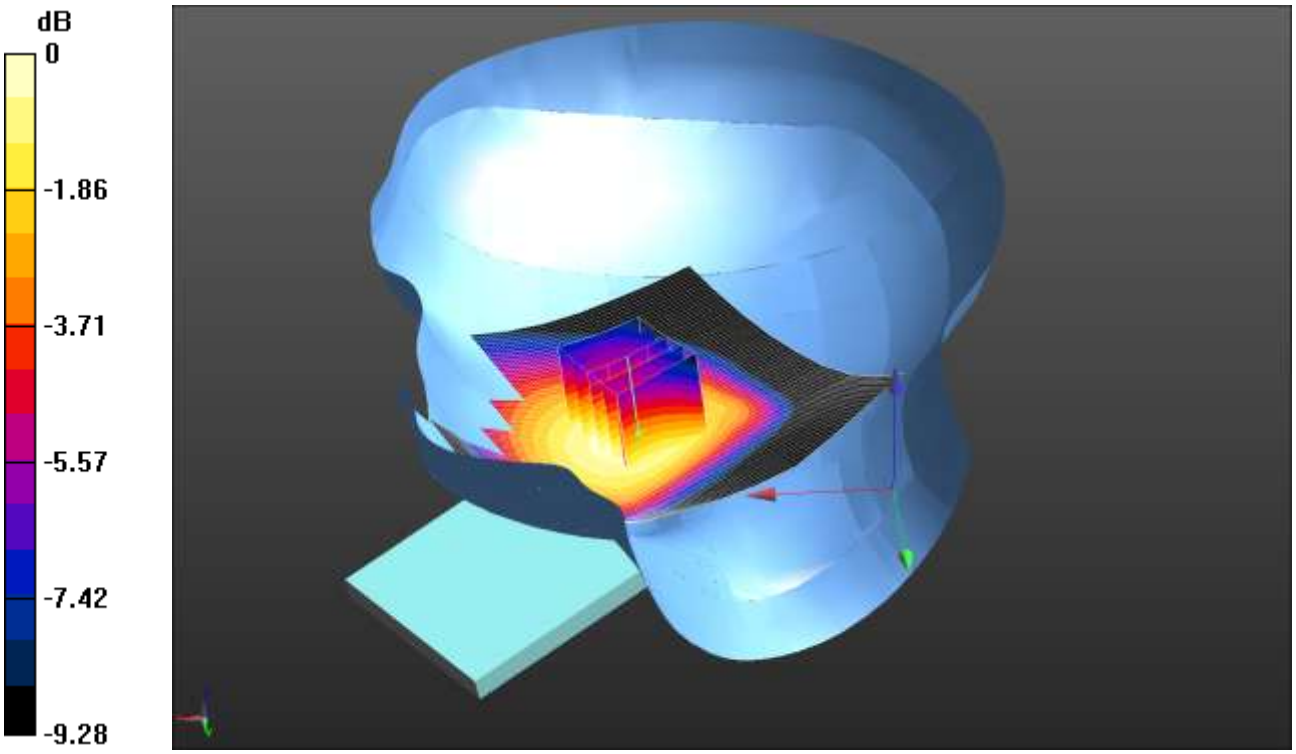


0 dB = 0.184 W/kg = -7.35 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Right/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.186 W/kg
Configuration/Tilt Right/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.721 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.212 W/kg
SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.131 W/kg
Maximum value of SAR (measured) = 0.184 W/kg

SCN/90579JD02/059: Tilt Right LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

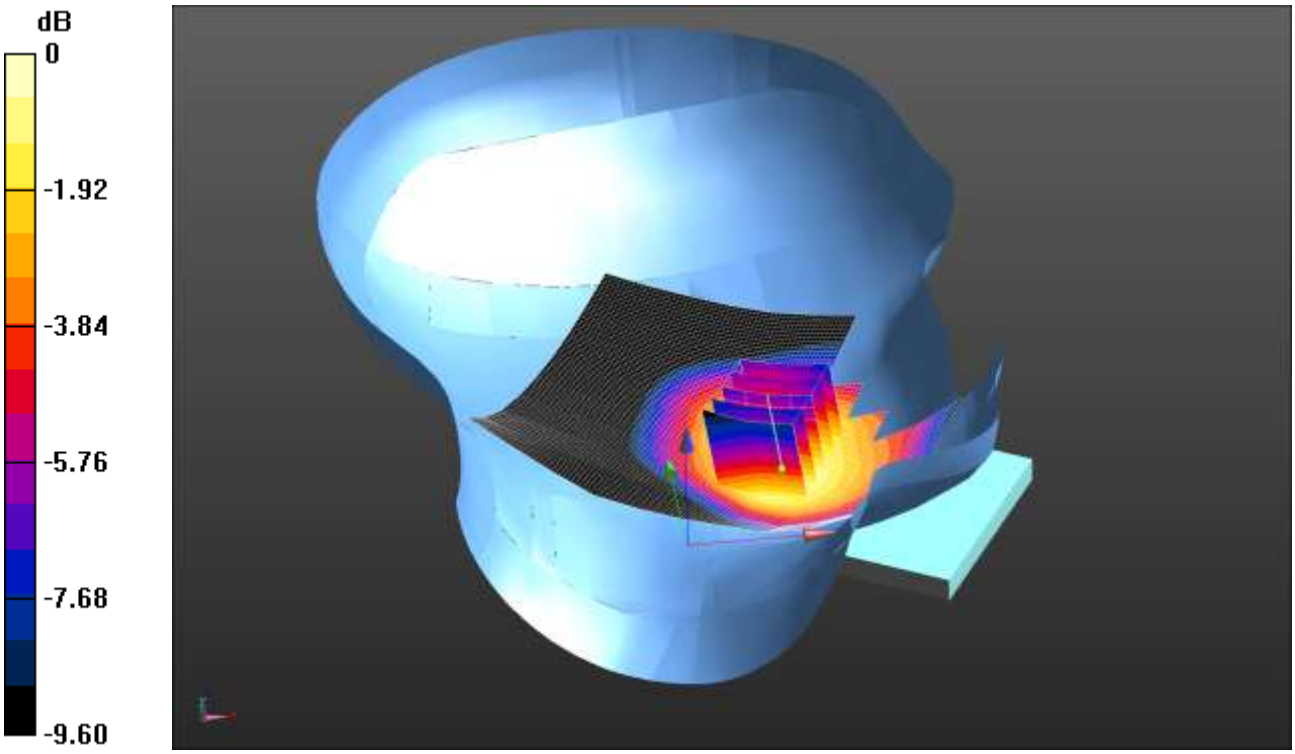


0 dB = 0.144 W/kg = -8.42 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Right/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.144 W/kg
Configuration/Tilt Right/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.600 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.104 W/kg
Maximum value of SAR (measured) = 0.144 W/kg

SCN/90579JD02/060: Touch Left LTE Band 5 10MHz BW 1 RB Middle CH20450
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

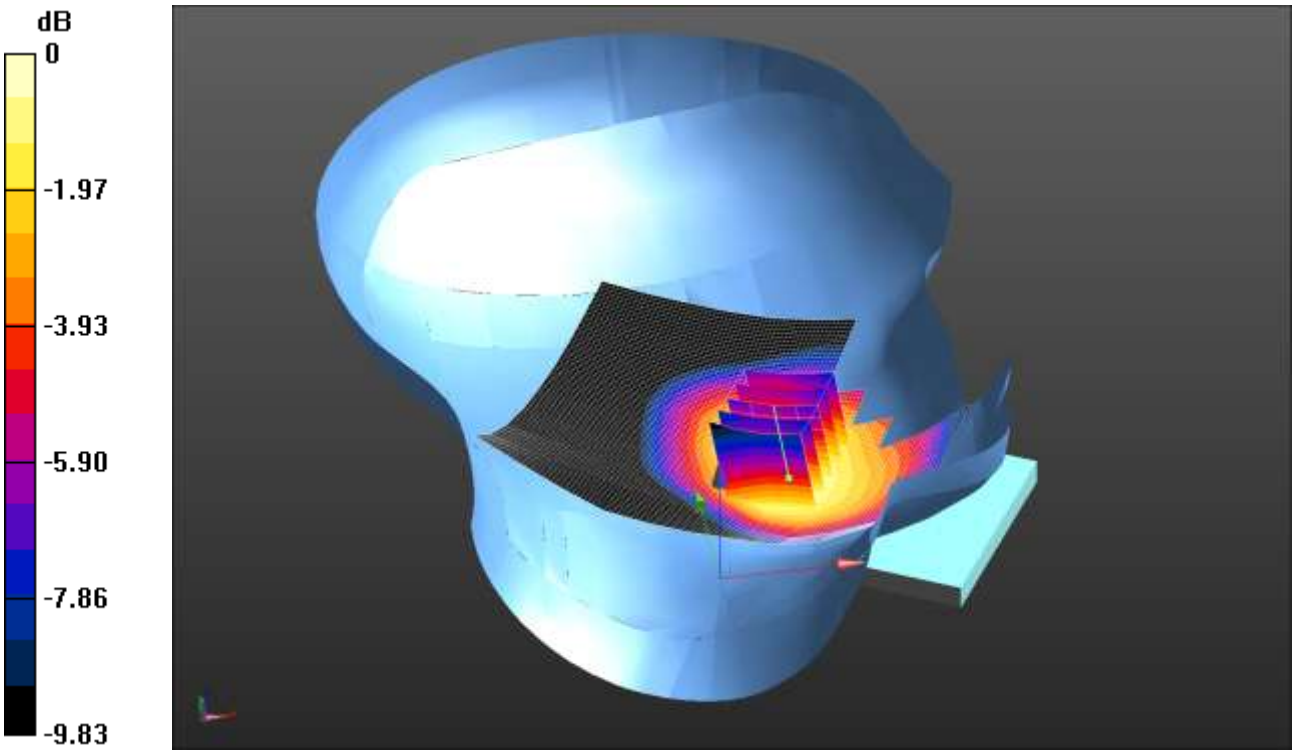


0 dB = 0.424 W/kg = -3.73 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 829 MHz; σ = 0.889 mho/m; ε_r = 40.803; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Low/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.425 W/kg
Configuration/Touch Left - Low/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.426 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.519 W/kg
SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.303 W/kg
Maximum value of SAR (measured) = 0.424 W/kg

SCN/90579JD02/061: Touch Left LTE Band 5 10MHz BW 1 RB Middle CH20600
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

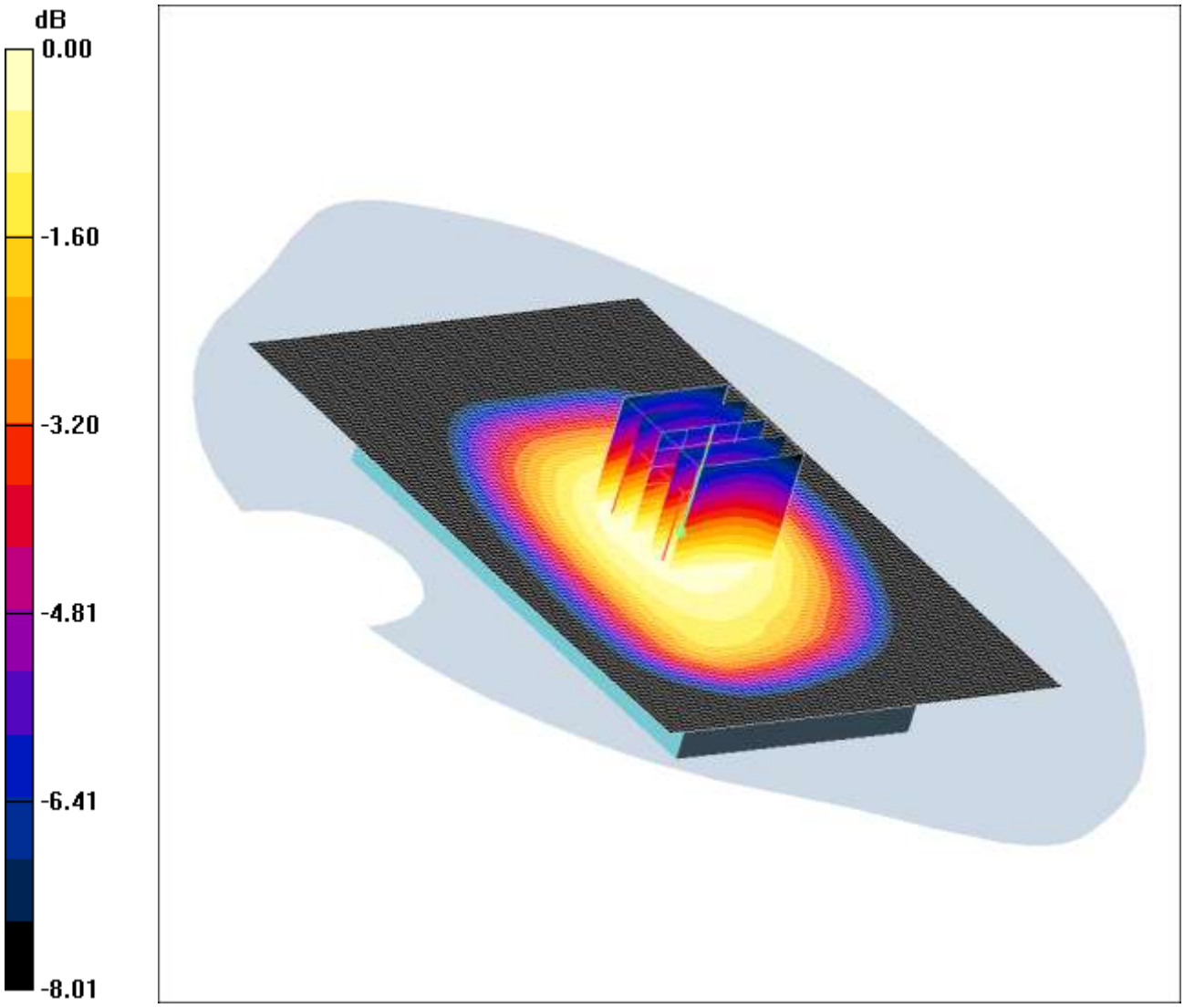


0 dB = 0.409 W/kg = -3.88 dBW/kg

Communication System: LTE Bands - 10MHz Channel BW ; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 844 MHz; σ = 0.9 mho/m; ε_r = 40.712; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - High/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.408 W/kg
Configuration/Touch Left - High/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.313 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.288 W/kg
Maximum value of SAR (measured) = 0.409 W/kg

SCN/90579JD02/062: Front of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

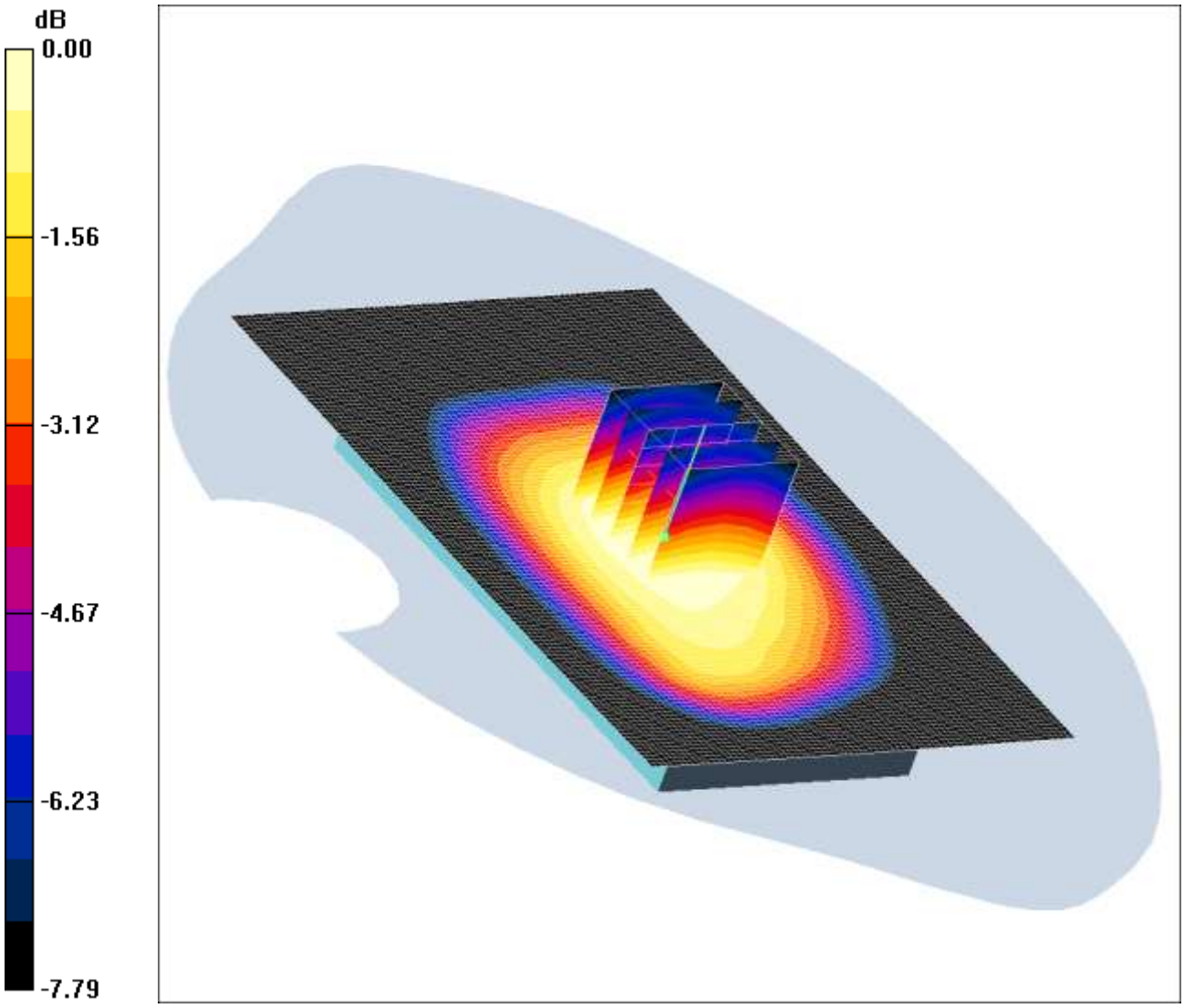


0 dB = 0.488mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.503 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.1 V/m; Power Drift = -0.136 dB
Peak SAR (extrapolated) = 0.552 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.345 mW/g
Maximum value of SAR (measured) = 0.488 mW/g

SCN/90579JD02/063: Front of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

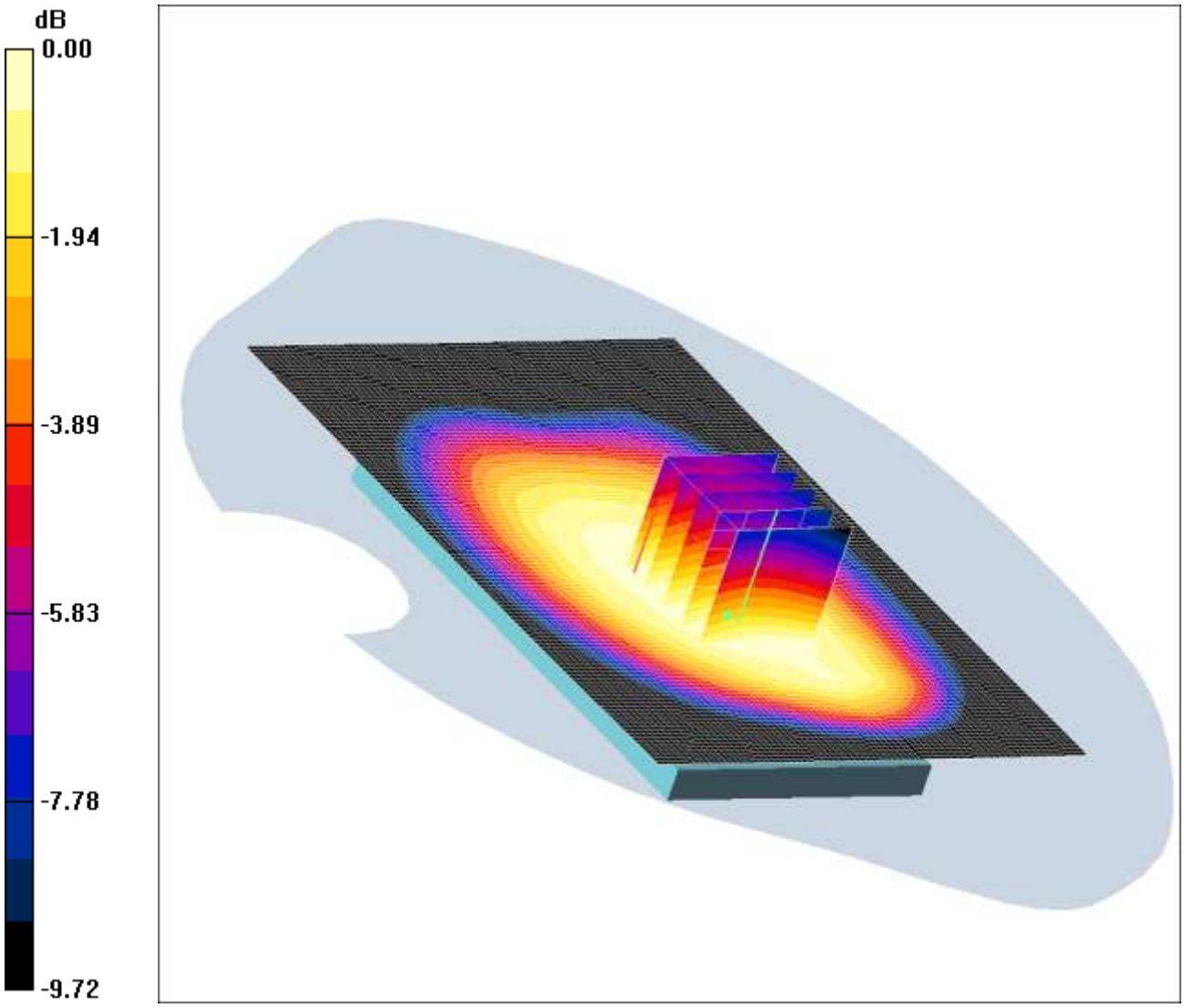


0 dB = 0.384mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle 2/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.388 mW/g
Front of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.1 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 0.432 W/kg
SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.270 mW/g
Maximum value of SAR (measured) = 0.384 mW/g

SCN/90579JD02/064: Back of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

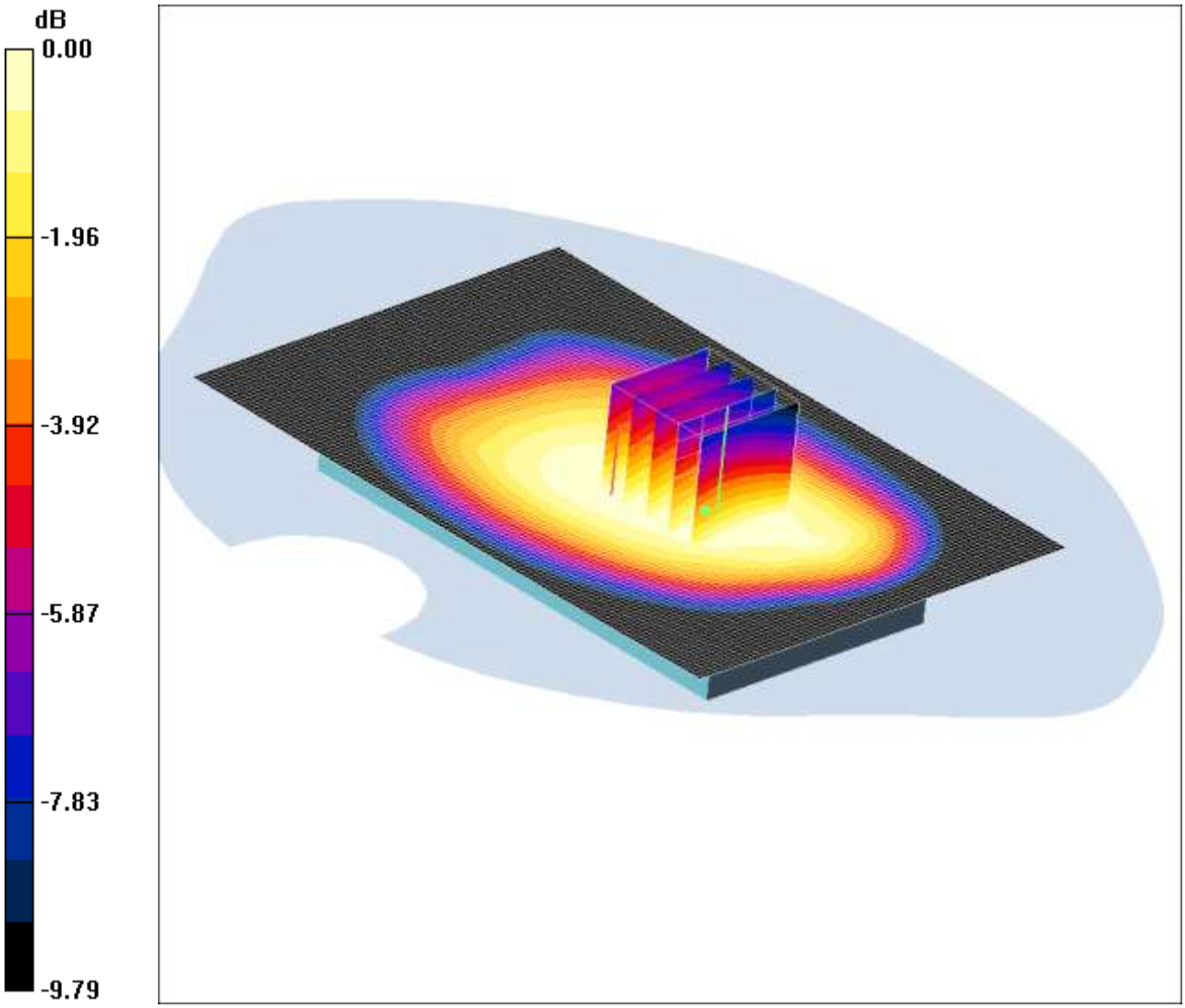


0 dB = 0.491mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.493 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.2 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.341 mW/g
Maximum value of SAR (measured) = 0.491 mW/g

SCN/90579JD02/065: Back of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

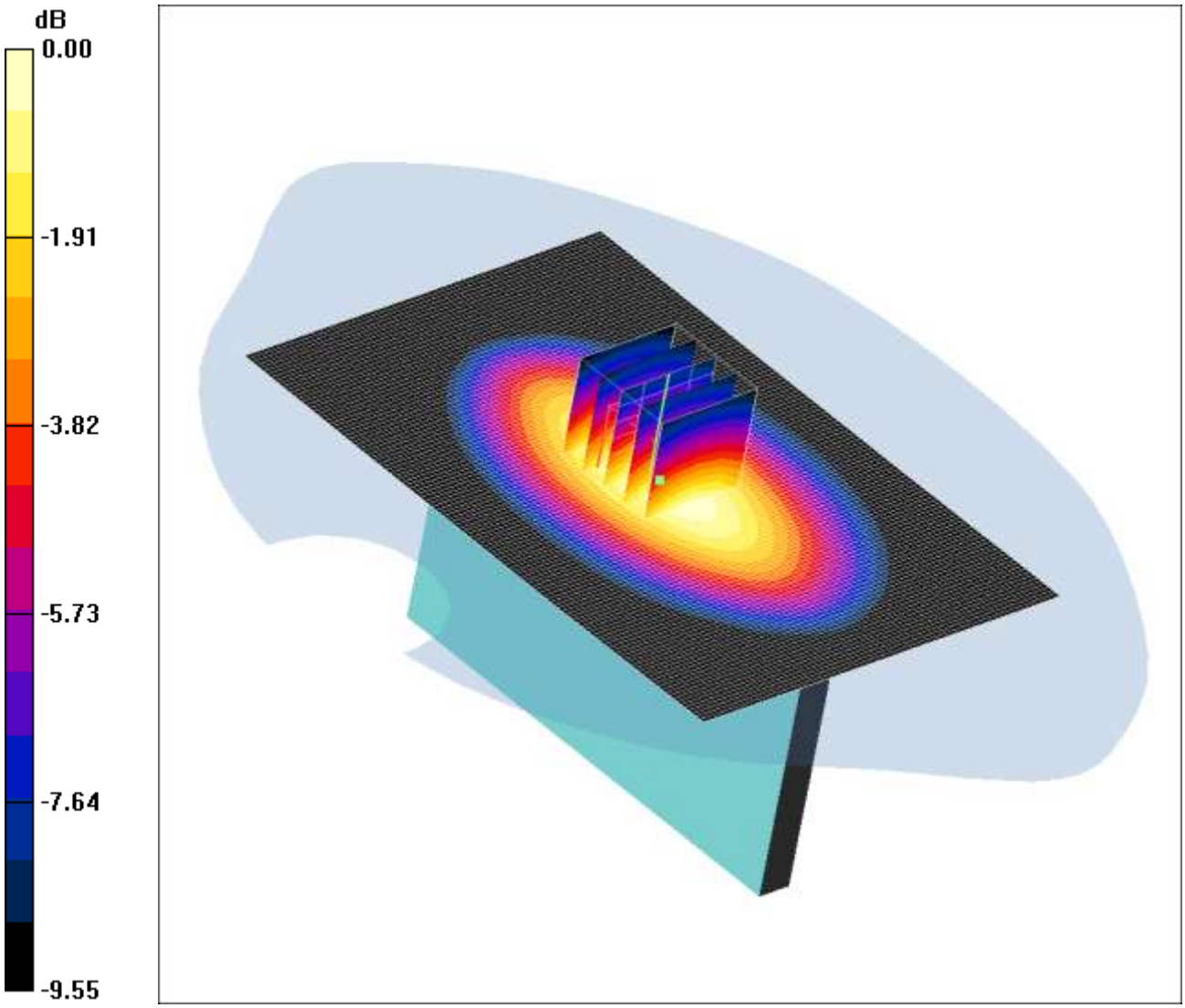


0 dB = 0.374mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.388 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.5 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.444 W/kg
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.260 mW/g
Maximum value of SAR (measured) = 0.374 mW/g

SCN/90579JD02/066: Left Hand Side of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

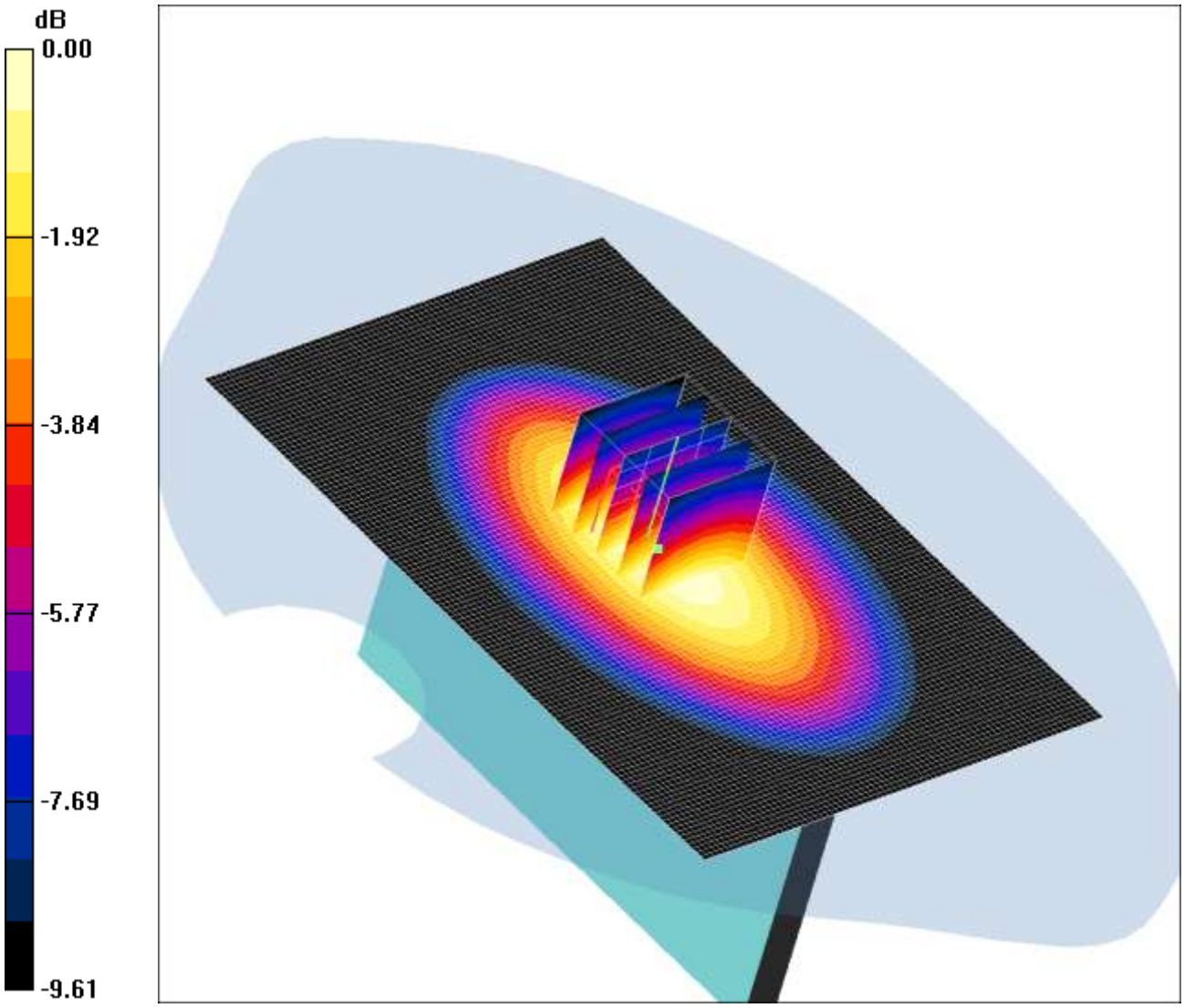


0 dB = 0.352mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Left Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.353 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.2 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 0.427 W/kg
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.213 mW/g
Maximum value of SAR (measured) = 0.352 mW/g

SCN/90579JD02/067: Left Hand Side of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

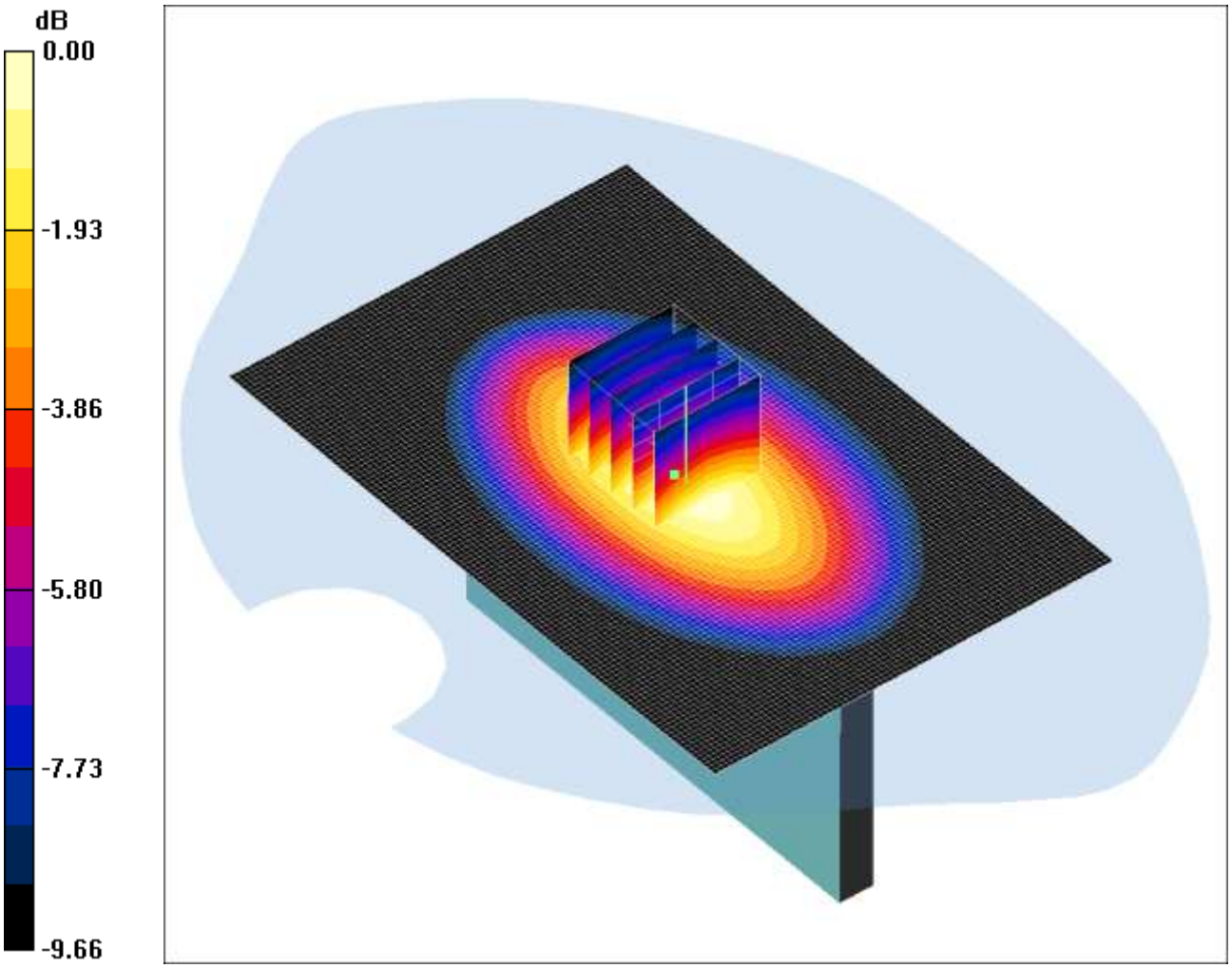


0 dB = 0.270mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Left Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.272 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.330 W/kg
SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.270 mW/g

SCN/90579JD02/068: Right Hand Side of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

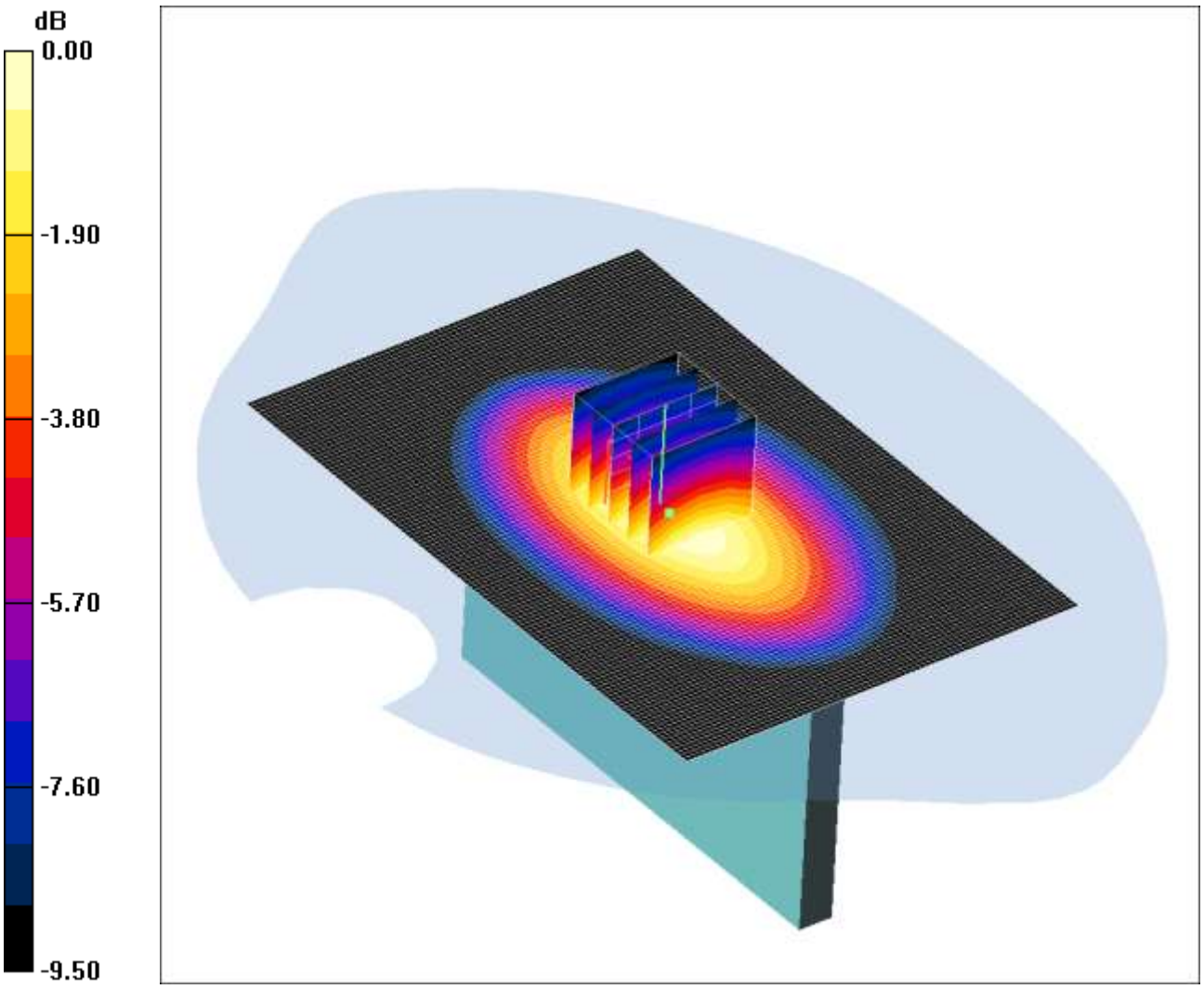


0 dB = 0.290mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Right Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.287 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = -0.084 dB
Peak SAR (extrapolated) = 0.349 W/kg
SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.290 mW/g

SCN/90579JD02/069: Right Hand Side of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

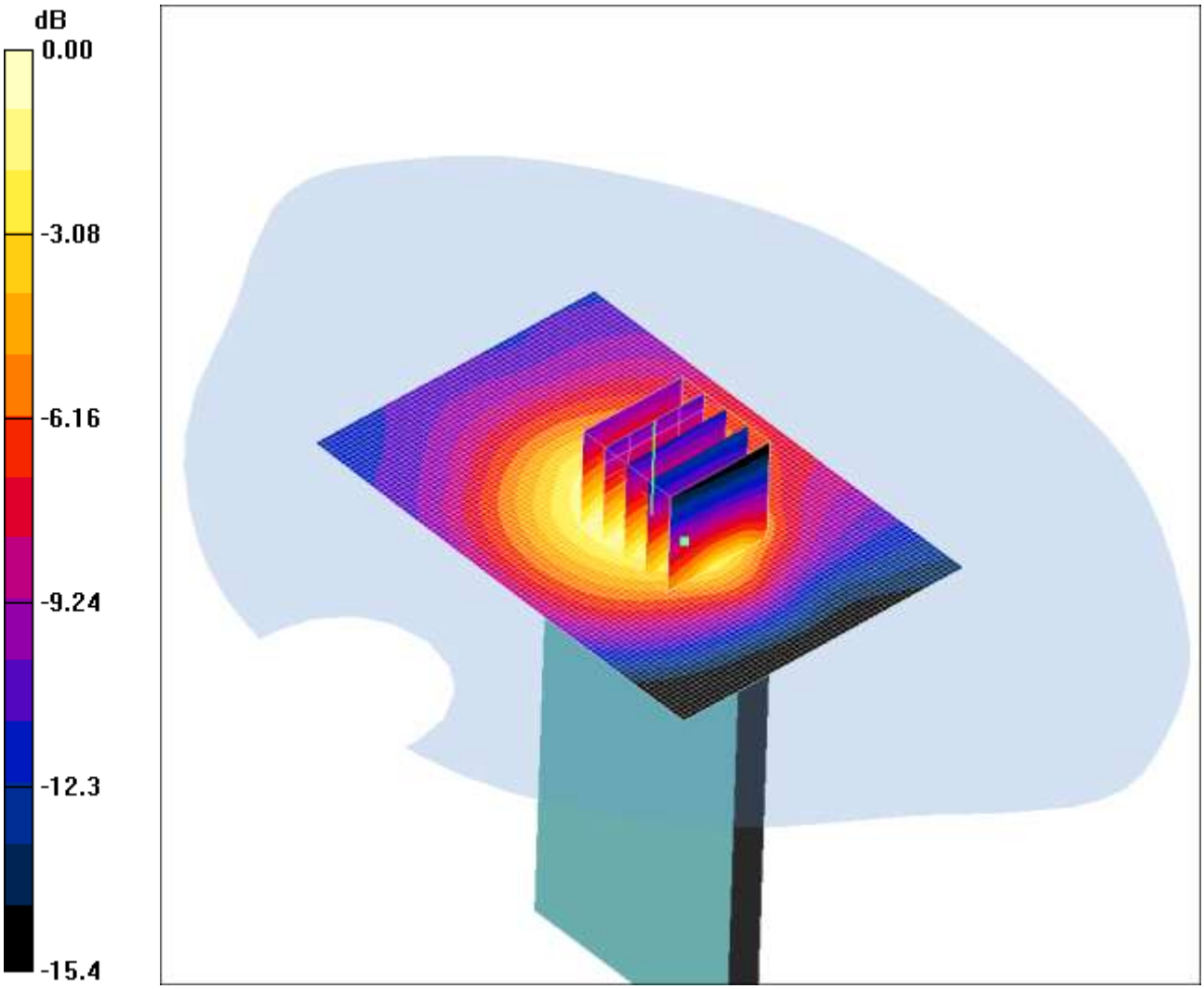


0 dB = 0.279mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Right Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.280 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.3 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.338 W/kg
SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.279 mW/g

SCN/90579JD02/070: Bottom of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

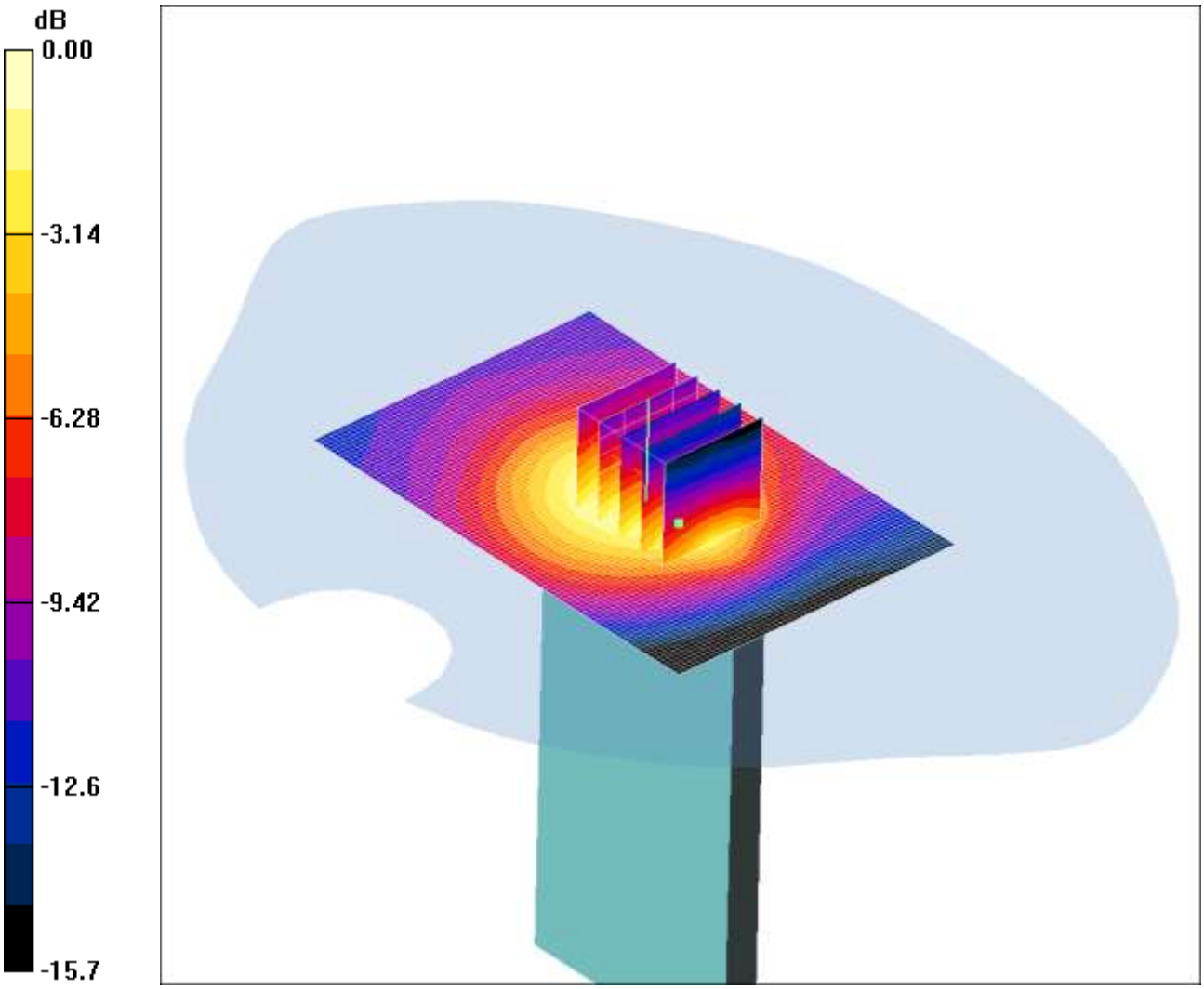


0 dB = 0.109mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Bottom of EUT Facing Phantom - Middle/Area Scan 2 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.112 mW/g
Bottom of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.2 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 0.166 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.056 mW/g
Maximum value of SAR (measured) = 0.109 mW/g

SCN/90579JD02/071: Bottom of EUT Facing Phantom LTE Band 5 10MHz BW 50% RB Middle CH20525
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

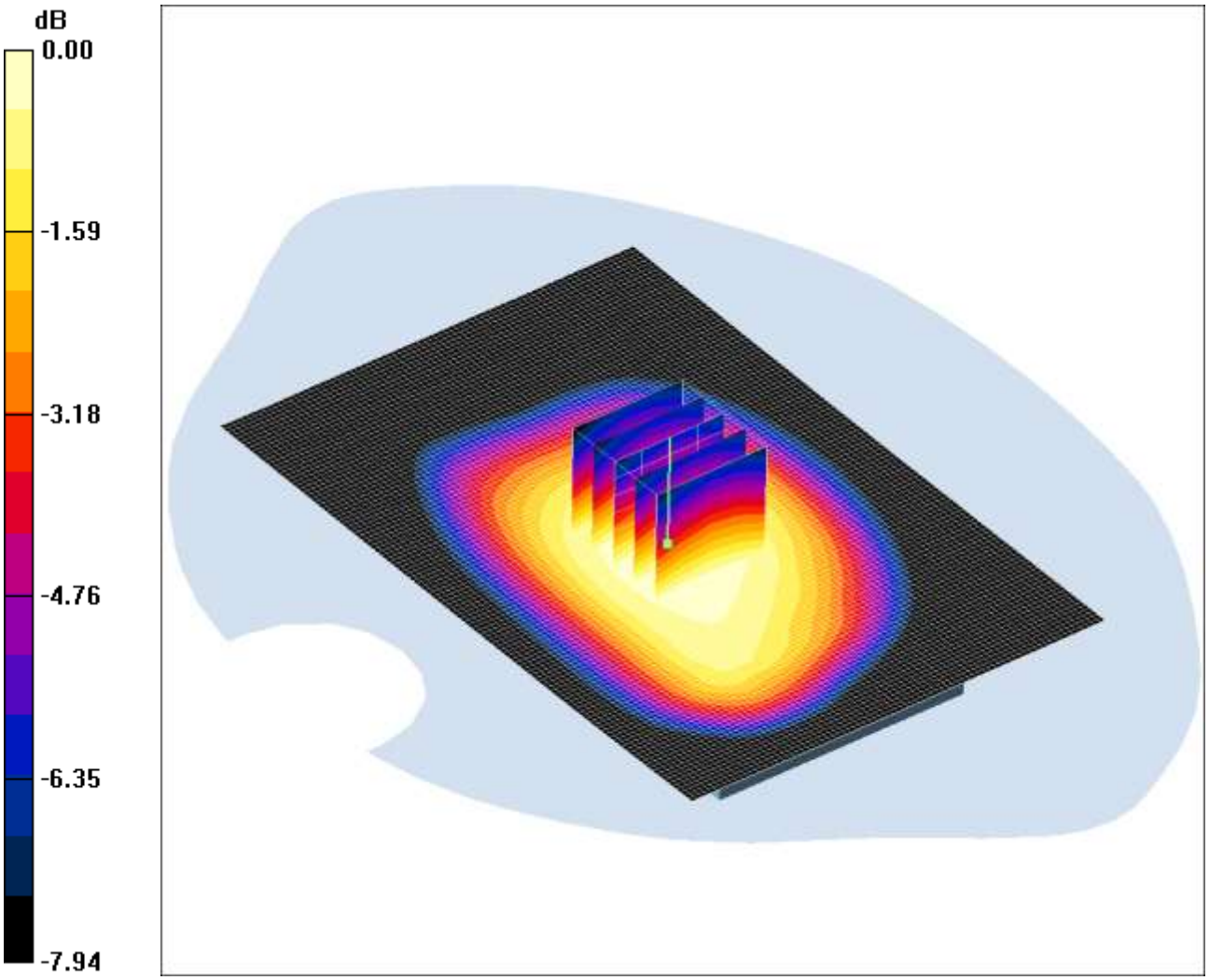


0 dB = 0.083mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 1 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Bottom of EUT Facing Phantom - Middle/Area Scan 2 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.086 mW/g
Bottom of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.10 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.125 W/kg
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.083 mW/g

SCN/90579JD02/072: Front of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20450
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

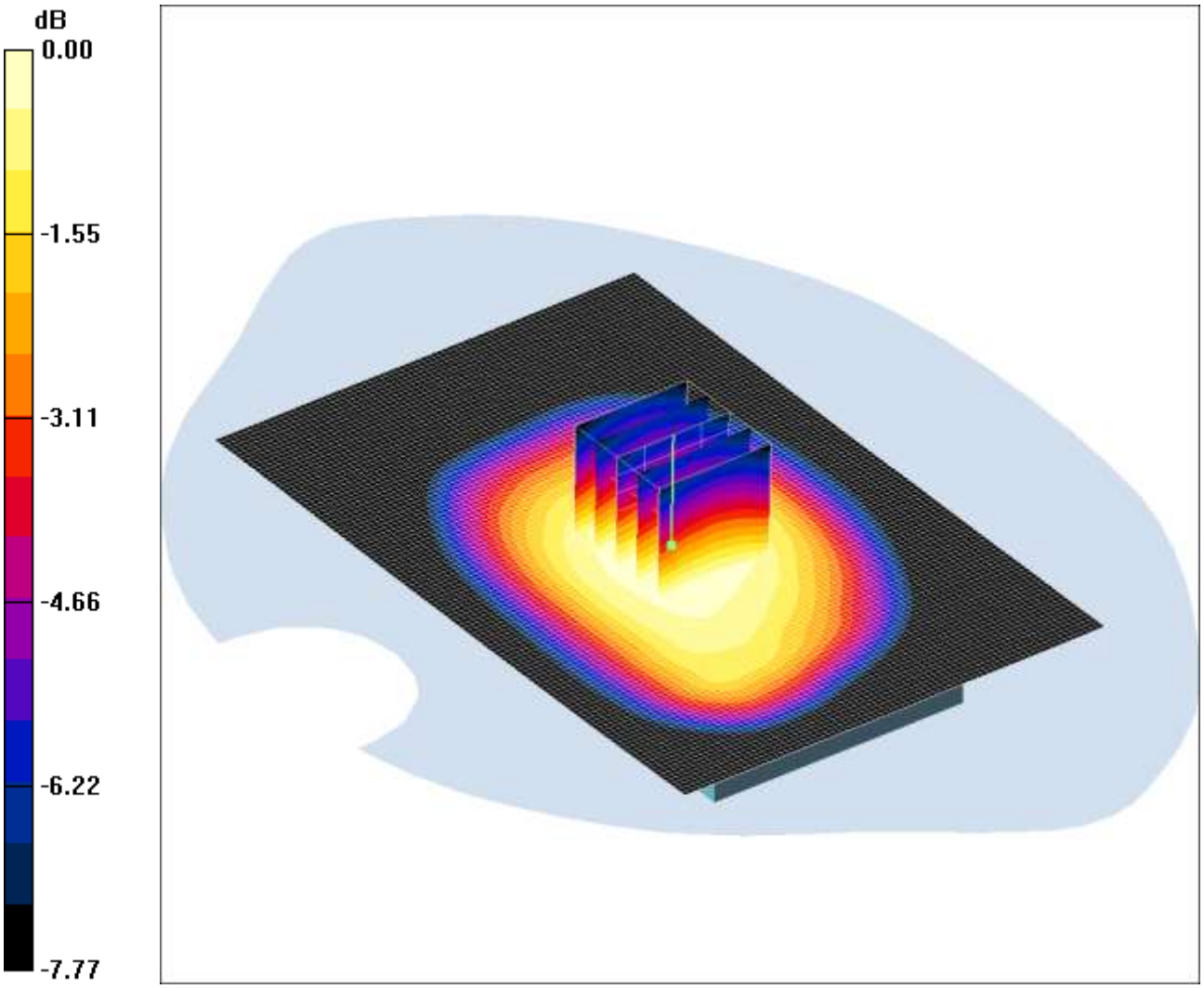


0 dB = 0.540mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 829 MHz; σ = 0.996 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Low/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.538 mW/g
Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.8 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.615 W/kg
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.381 mW/g
Maximum value of SAR (measured) = 0.540 mW/g

SCN/90579JD02/073: Front of EUT Facing Phantom LTE Band 5 10MHz BW 1RB Middle CH20600
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

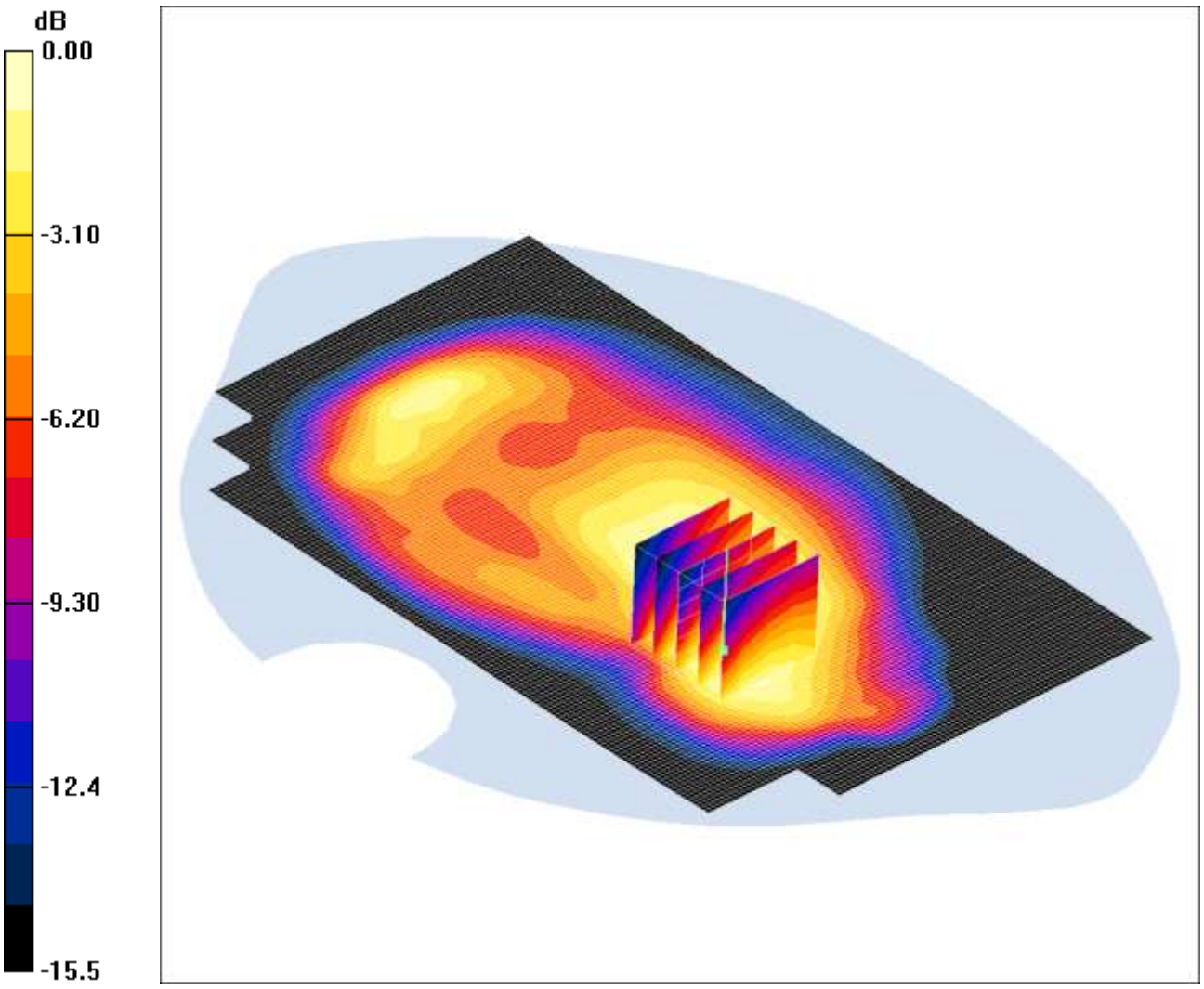


0 dB = 0.546mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 844 MHz; σ = 1 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - High/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.550 mW/g
Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.1 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.614 W/kg
SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.385 mW/g
Maximum value of SAR (measured) = 0.546 mW/g

SCN/90579JD02/074: Front of EUT Facing Phantom With PHF at 15mm Separation LTE Band 5 10MHz BW 1RB Middle CH20600
Date: 03/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

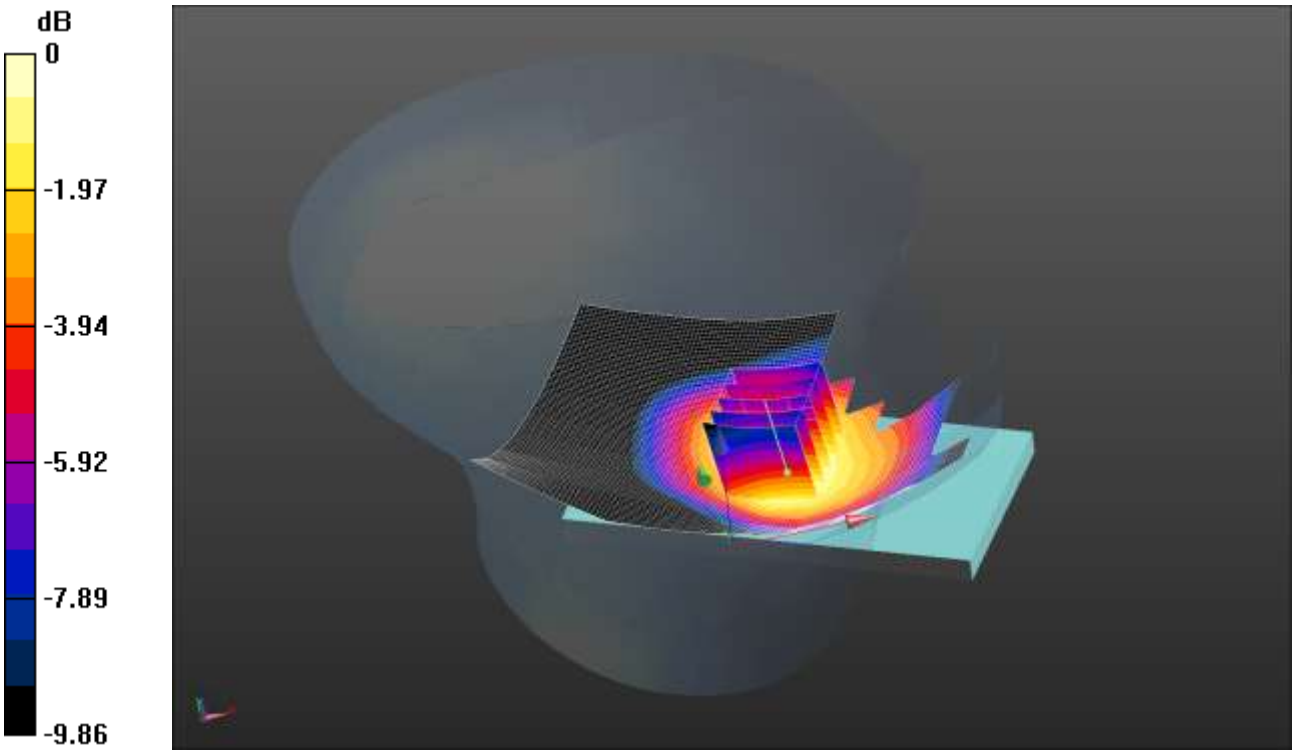


0 dB = 0.475mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 844 MHz; σ = 1 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom With PHF - High/Area Scan 2 (91x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.529 mW/g
Front of EUT Facing Phantom With PHF - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.2 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.573 W/kg
SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.303 mW/g
Maximum value of SAR (measured) = 0.475 mW/g

SCN/90579JD02/075: Touch Left LTE Band 5 1.4MHz BW 1 RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

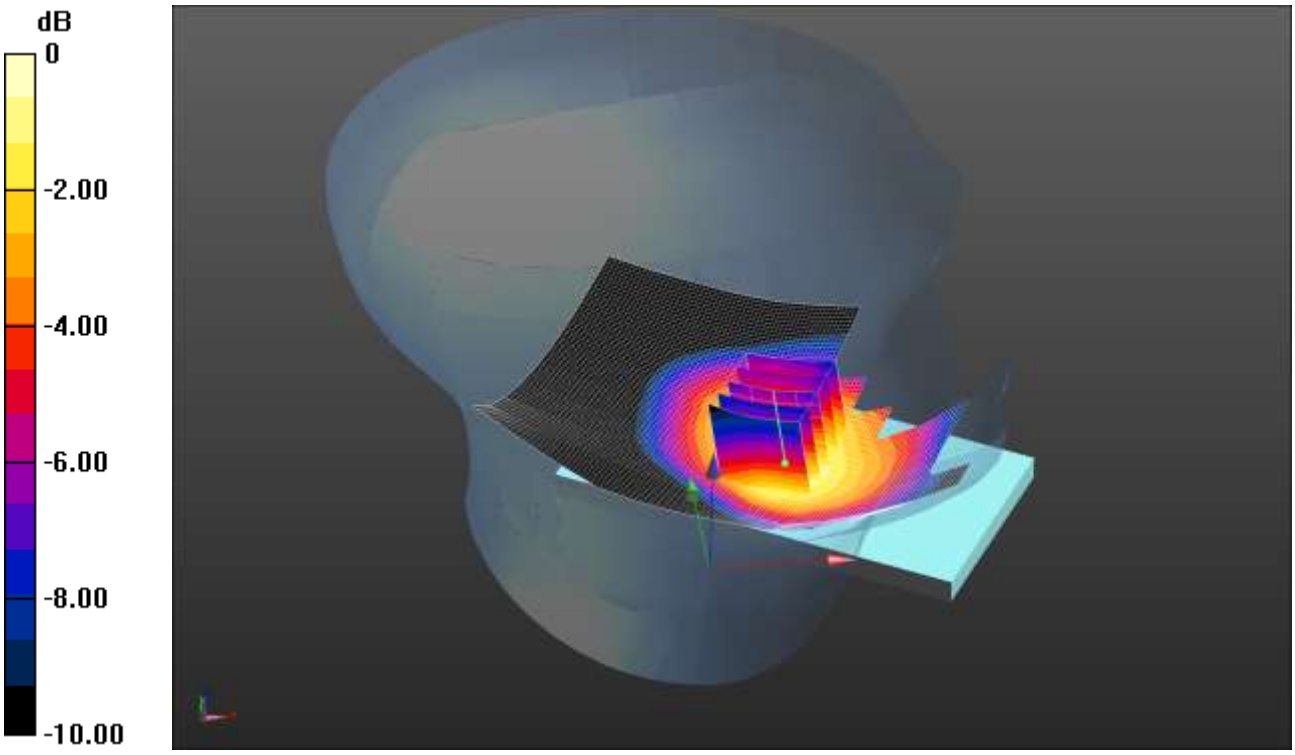


0 dB = 0.347 W/kg = -4.60 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.350 W/kg
Configuration/Touch Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.022 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.427 W/kg
SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.246 W/kg
Maximum value of SAR (measured) = 0.347 W/kg

SCN/90579JD02/076: Touch Left LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

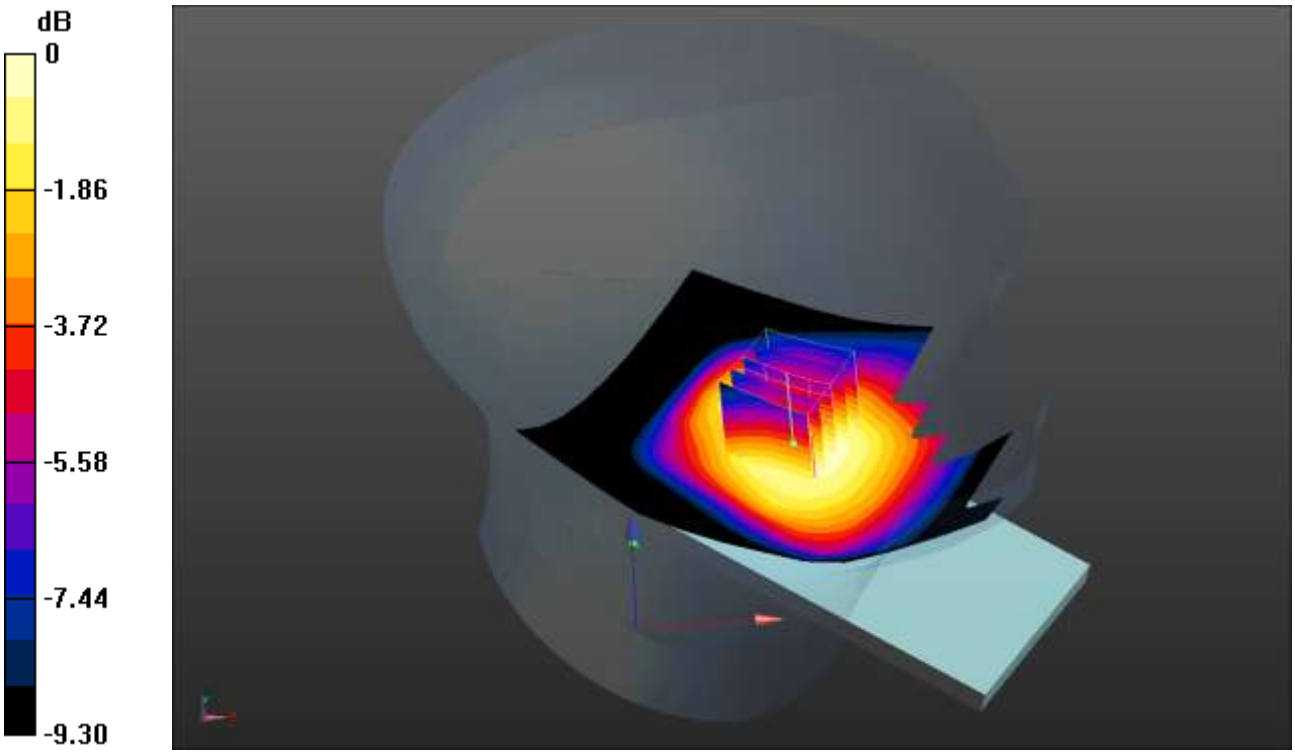


0 dB = 0.369 W/kg = -4.33 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.354 W/kg
Configuration/Touch Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.096 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.253 W/kg
Maximum value of SAR (measured) = 0.369 W/kg

SCN/90579JD02/077: Tilt Left LTE Band 5 1.4MHz BW 1 RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

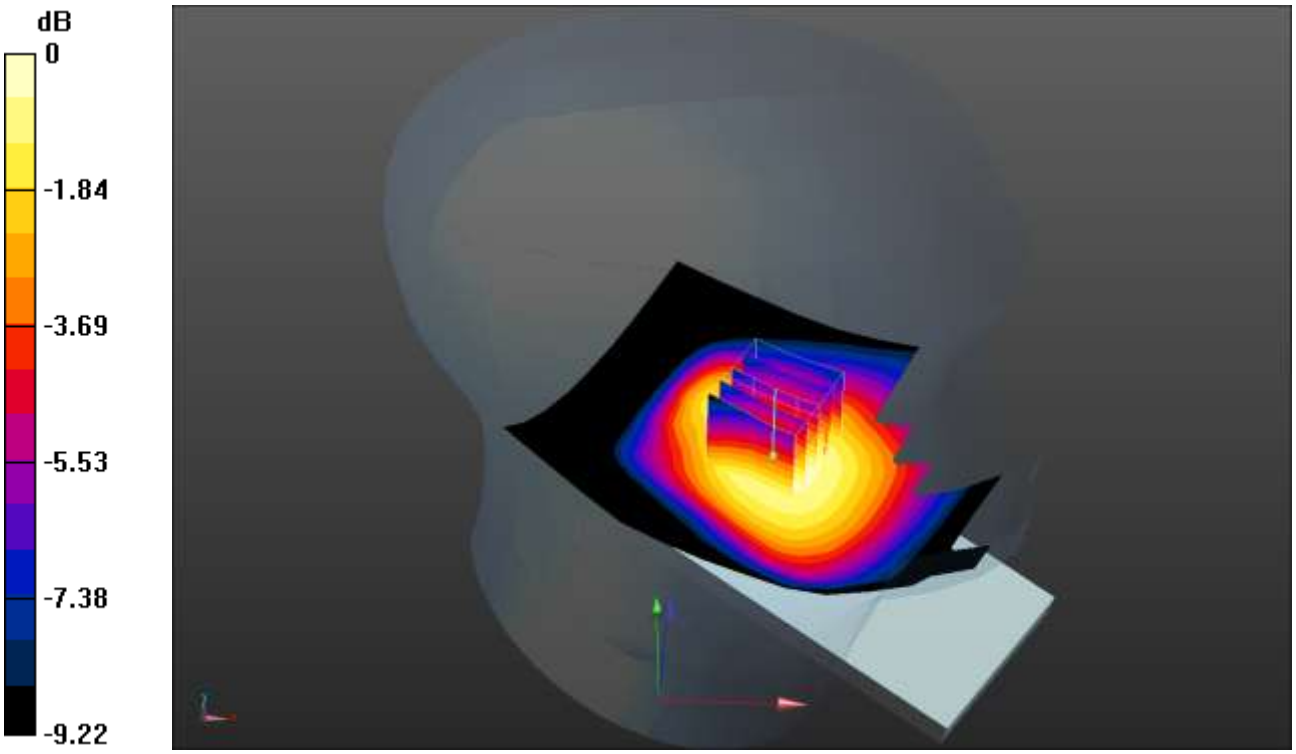


0 dB = 0.191 W/kg = -7.19 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.195 W/kg
Configuration/Tilt Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.768 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.142 W/kg
Maximum value of SAR (measured) = 0.191 W/kg

SCN/90579JD02/078: Tilt Left LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

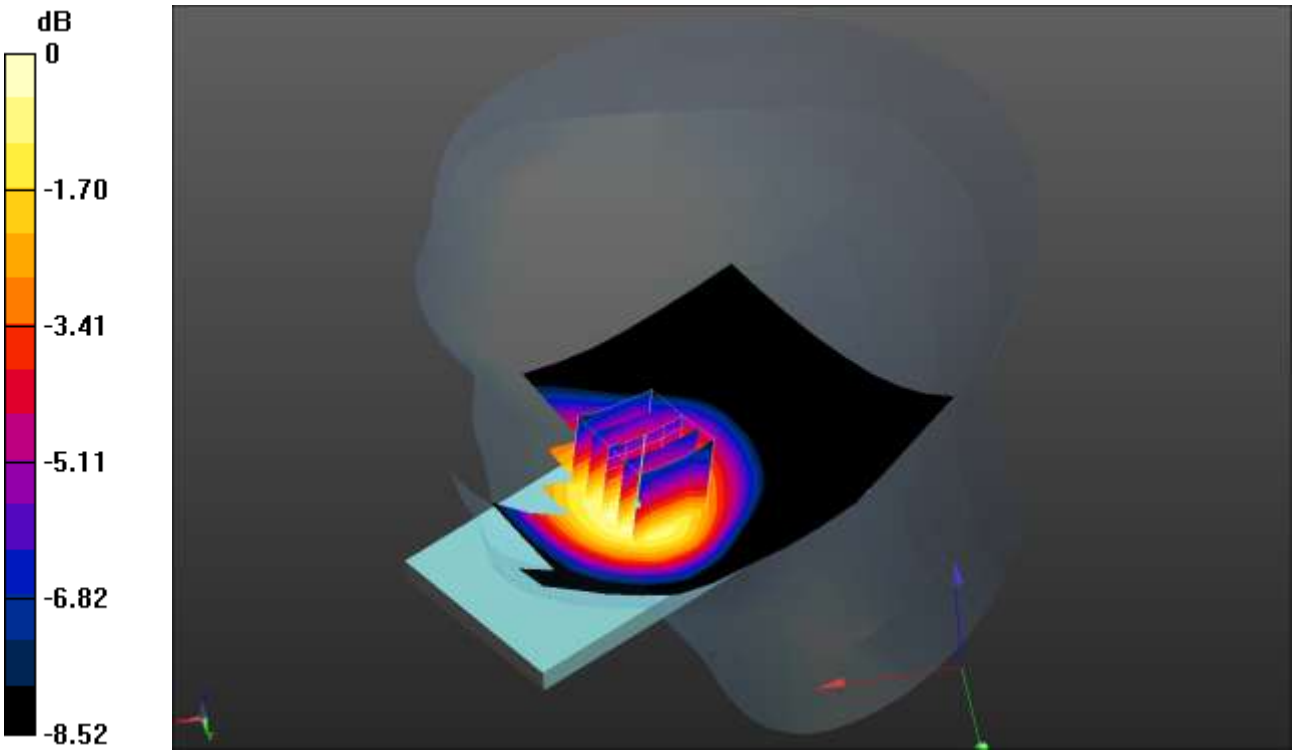


0 dB = 0.193 W/kg = -7.14 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Left - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.190 W/kg
Configuration/Tilt Left - Middle/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.694 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.221 W/kg
SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 0.193 W/kg

SCN/90579JD02/079: Touch Right LTE Band 5 1.4MHz BW 1 RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

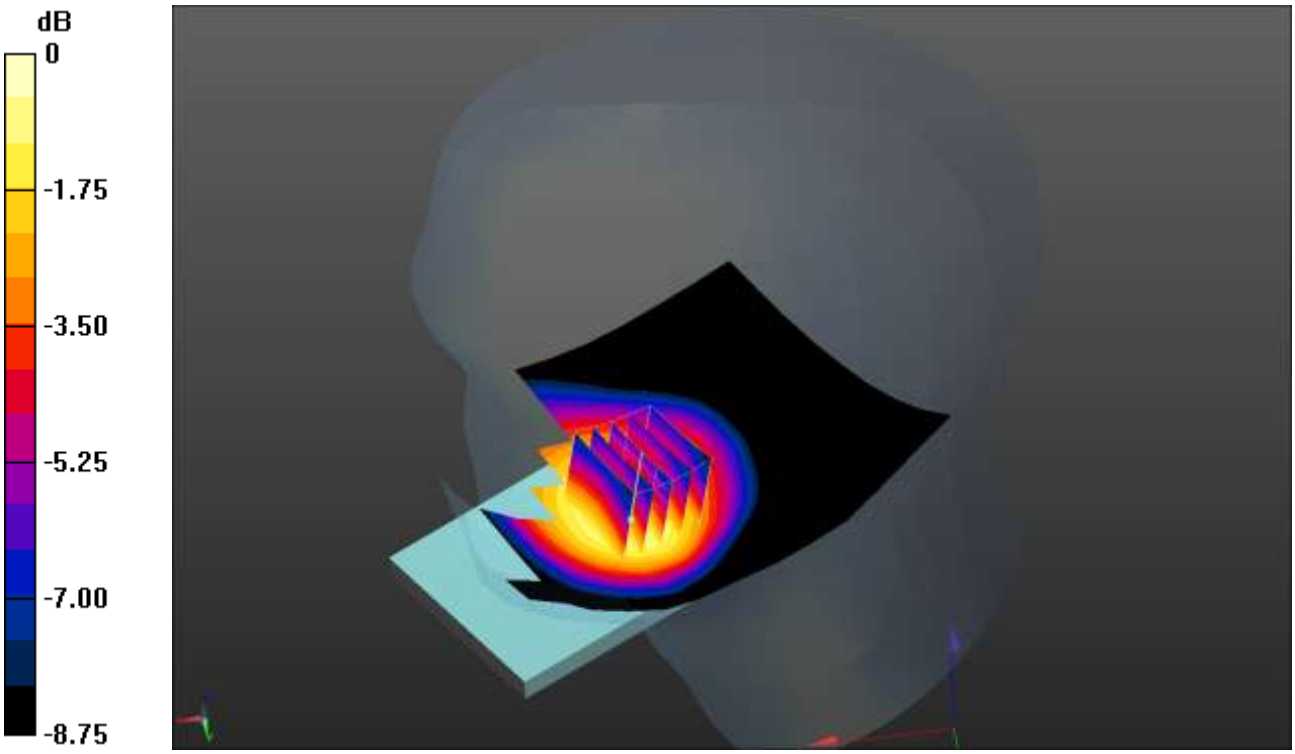


0 dB = 0.338 W/kg = -4.71 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Right/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.331 W/kg
Configuration/Touch Right/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.766 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.388 W/kg
SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.244 W/kg
Maximum value of SAR (measured) = 0.338 W/kg

SCN/90579JD02/080: Touch Right LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

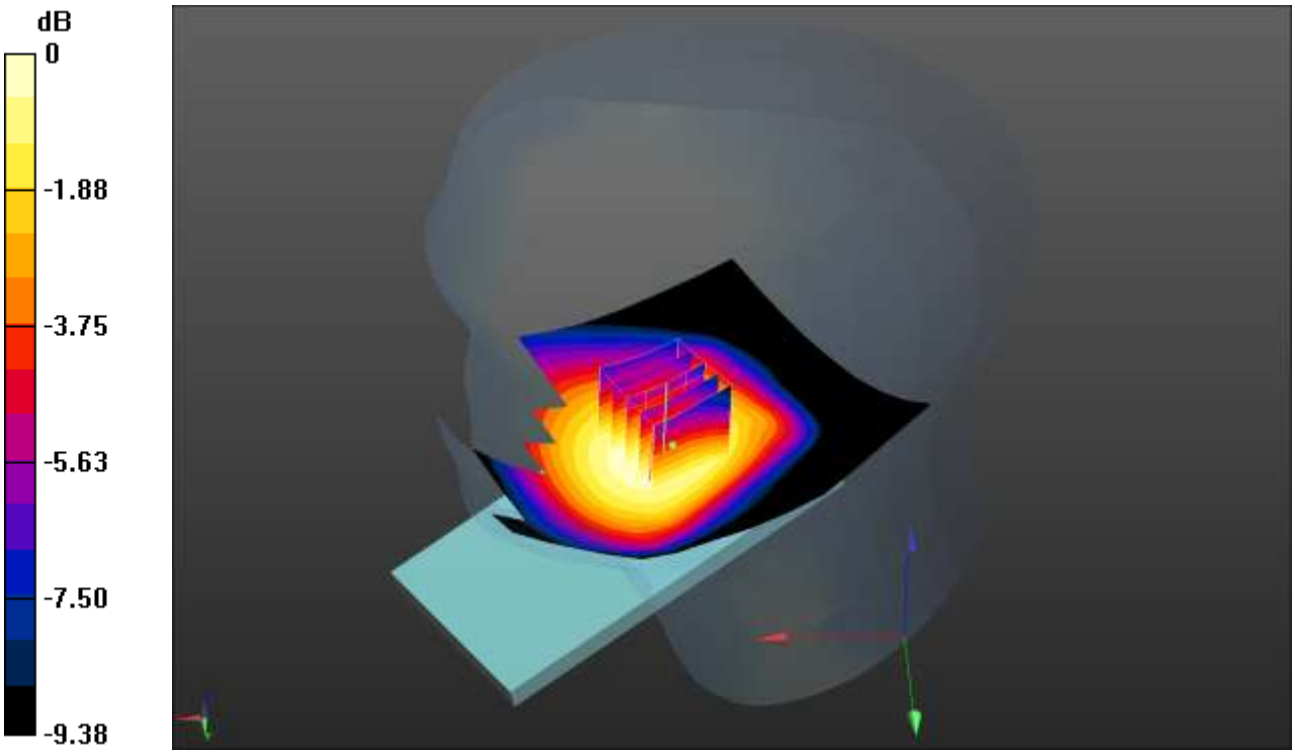


0 dB = 0.334 W/kg = -4.76 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Right/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.330 W/kg
Configuration/Touch Right/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.940 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.392 W/kg
SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.238 W/kg
Maximum value of SAR (measured) = 0.334 W/kg

SCN/90579JD02/081: Tilt Right LTE Band 5 1.4MHz BW 1 RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

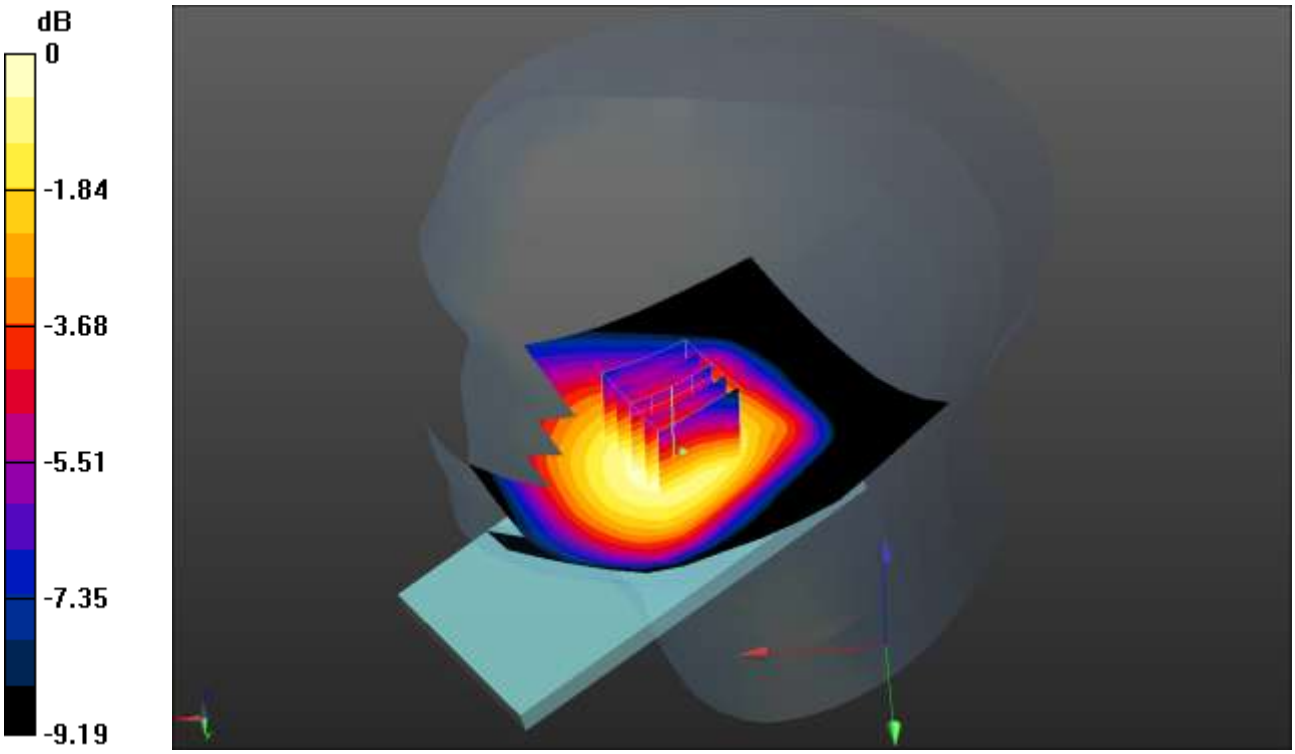


0 dB = 0.178 W/kg = -7.50 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Right/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.190 W/kg
Configuration/Tilt Right/Zoom Scan 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.977 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.135 W/kg
Maximum value of SAR (measured) = 0.178 W/kg

SCN/90579JD02/082: Tilt Right LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 27/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

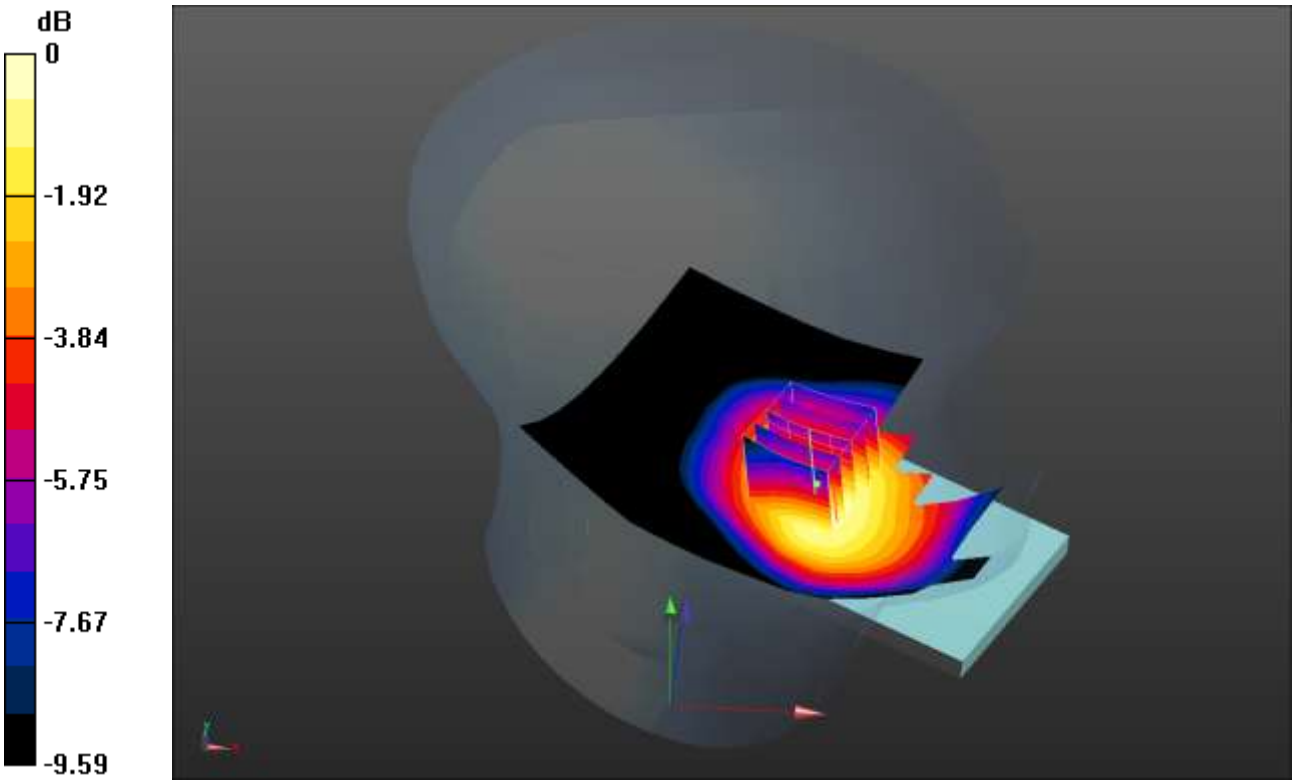


0 dB = 0.180 W/kg = -7.45 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.895 mho/m; ε_r = 40.758; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Right/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.183 W/kg
Configuration/Tilt Right/Zoom Scan 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.727 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.207 W/kg
SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.135 W/kg
Maximum value of SAR (measured) = 0.180 W/kg

SCN/90579JD02/083: Touch Left LTE Band 5 1.4MHz BW 50% RB Middle CH20407
Date: 28/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

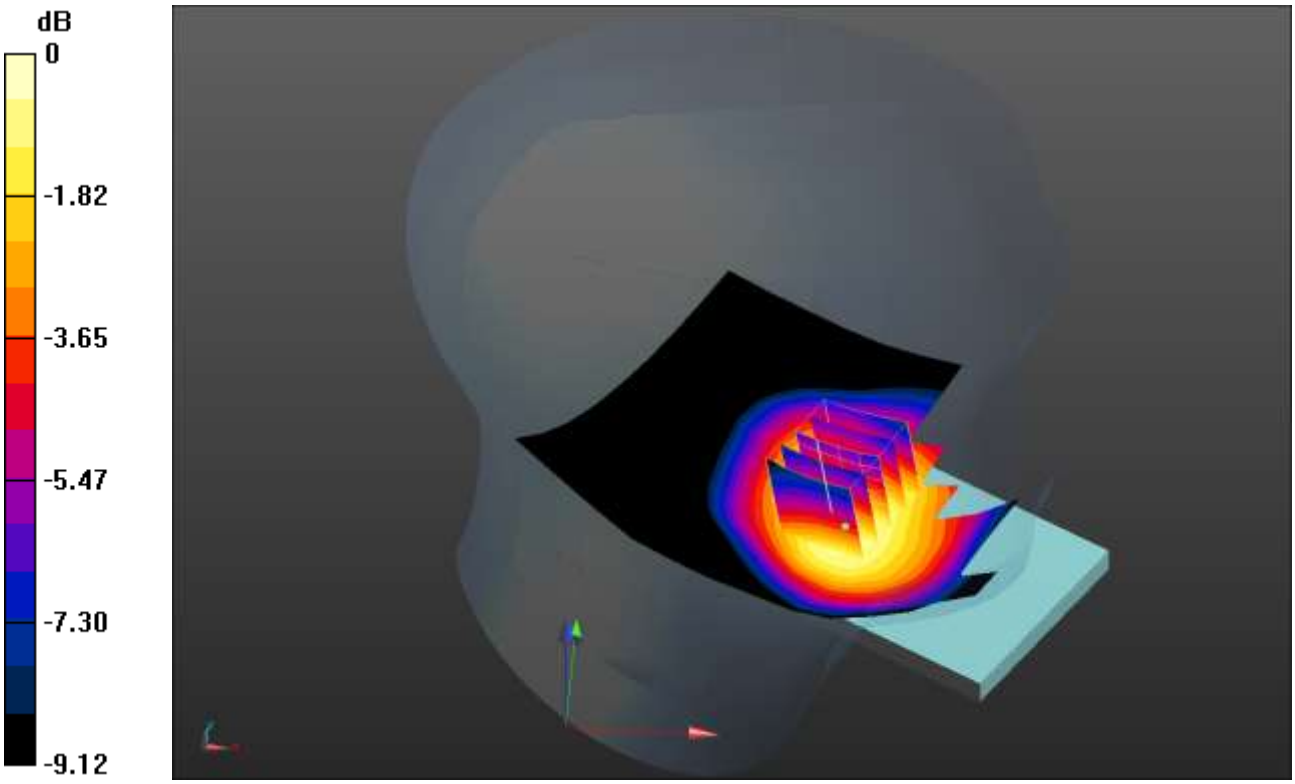


0 dB = 0.426 W/kg = -3.71 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 824.7 MHz; σ = 0.886 mho/m; ε_r = 40.829; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Low 2/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.423 W/kg
Configuration/Touch Left - Low 2/Zoom Scan 2 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.636 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.305 W/kg
Maximum value of SAR (measured) = 0.426 W/kg

SCN/90579JD02/084: Touch Left LTE Band 5 1.4MHz BW 50% RB Middle CH20643
Date: 28/12/2012
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

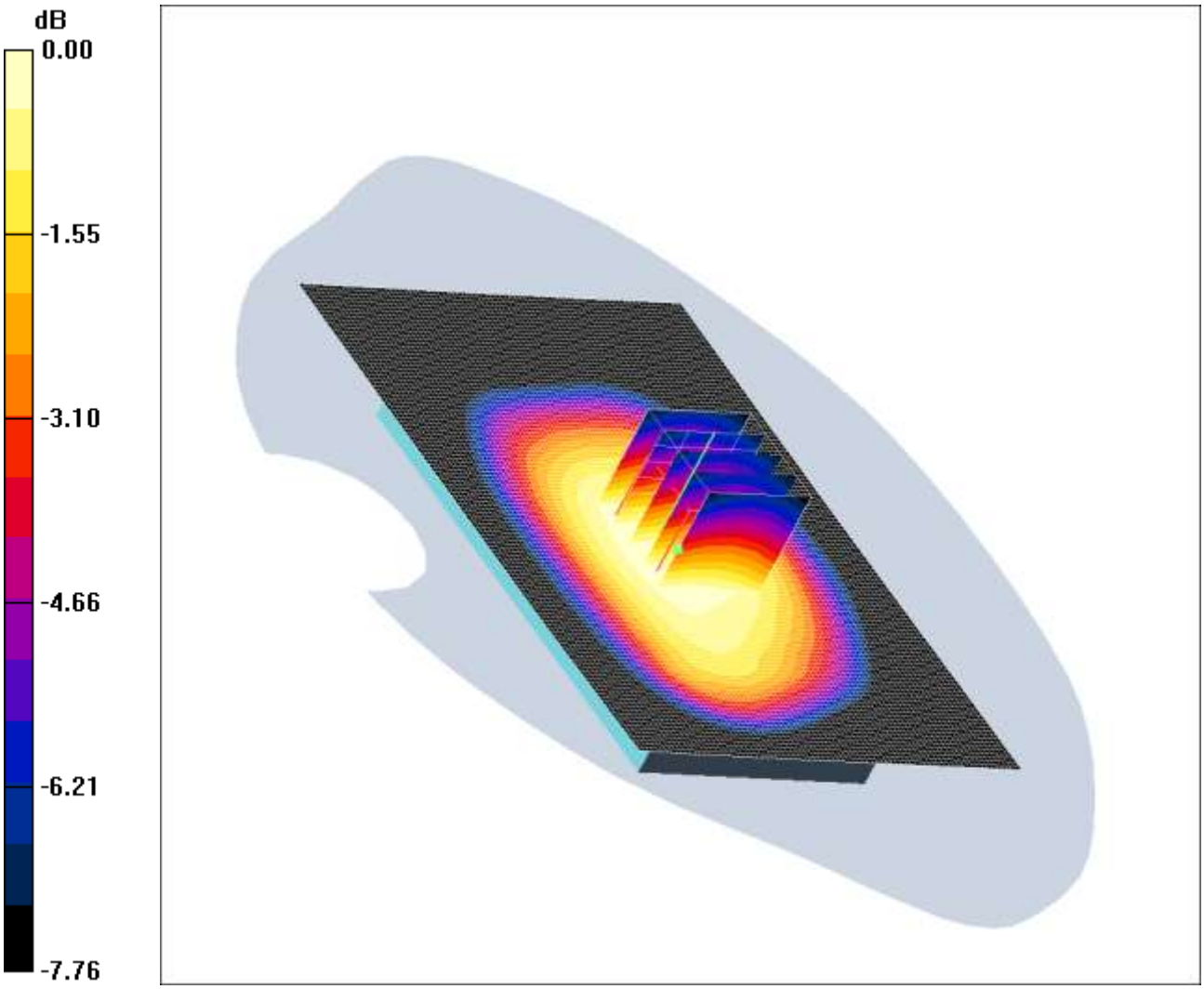


0 dB = 0.396 W/kg = -4.02 dBW/kg

Communication System: LTE Band - 1.4 MHz Channel BW; Frequency: 848.3 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 848.3 MHz; σ = 0.903 mho/m; ε_r = 40.686; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(6.06, 6.06, 6.06); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - High/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.406 W/kg
Configuration/Touch Left - High/Zoom Scan 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.332 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.286 W/kg
Maximum value of SAR (measured) = 0.396 W/kg

SCN/90579JD02/085: Front of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

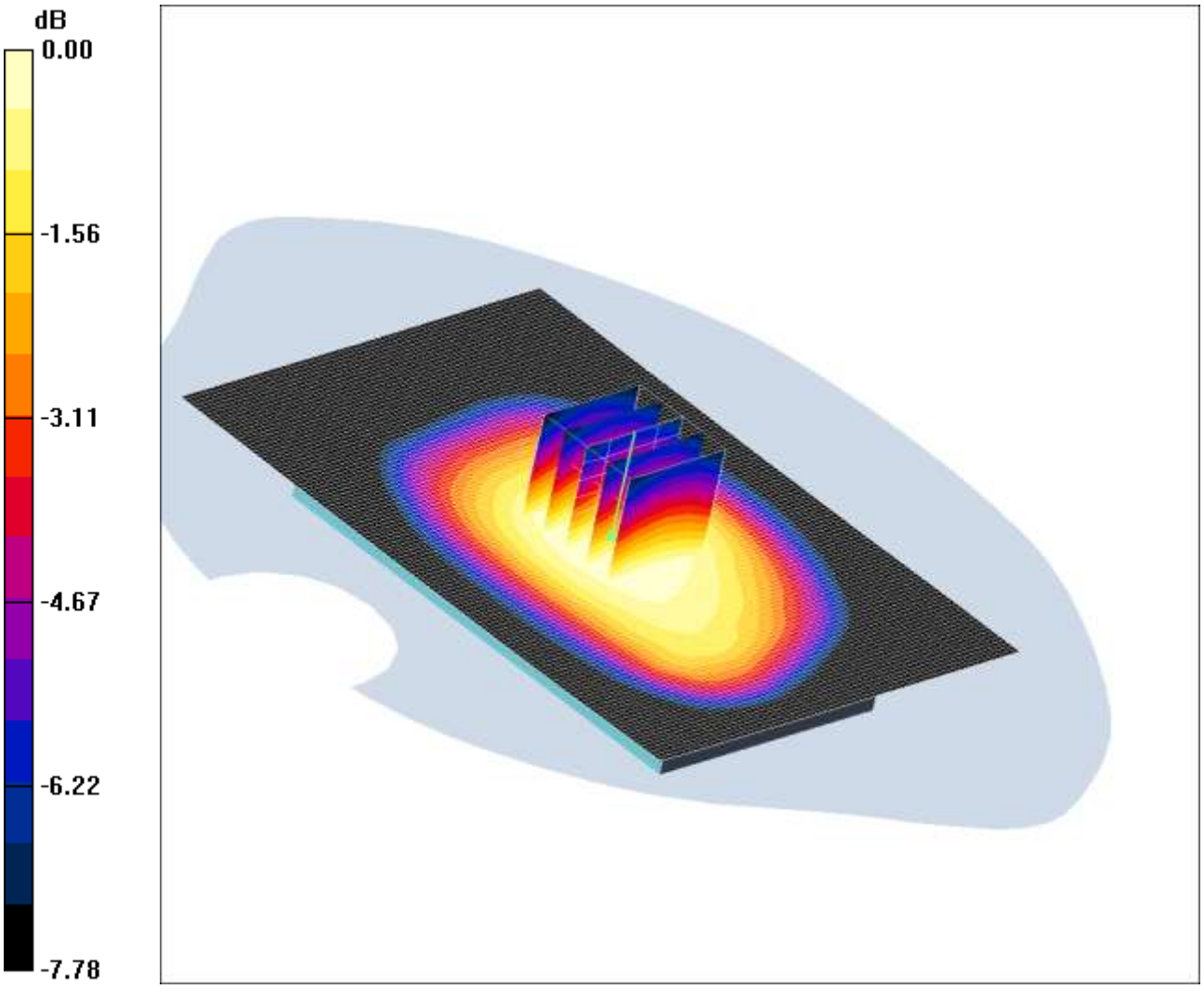


0 dB = 0.489mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.488 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 0.559 W/kg
SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.347 mW/g
Maximum value of SAR (measured) = 0.489 mW/g

SCN/90579JD02/086: Front of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

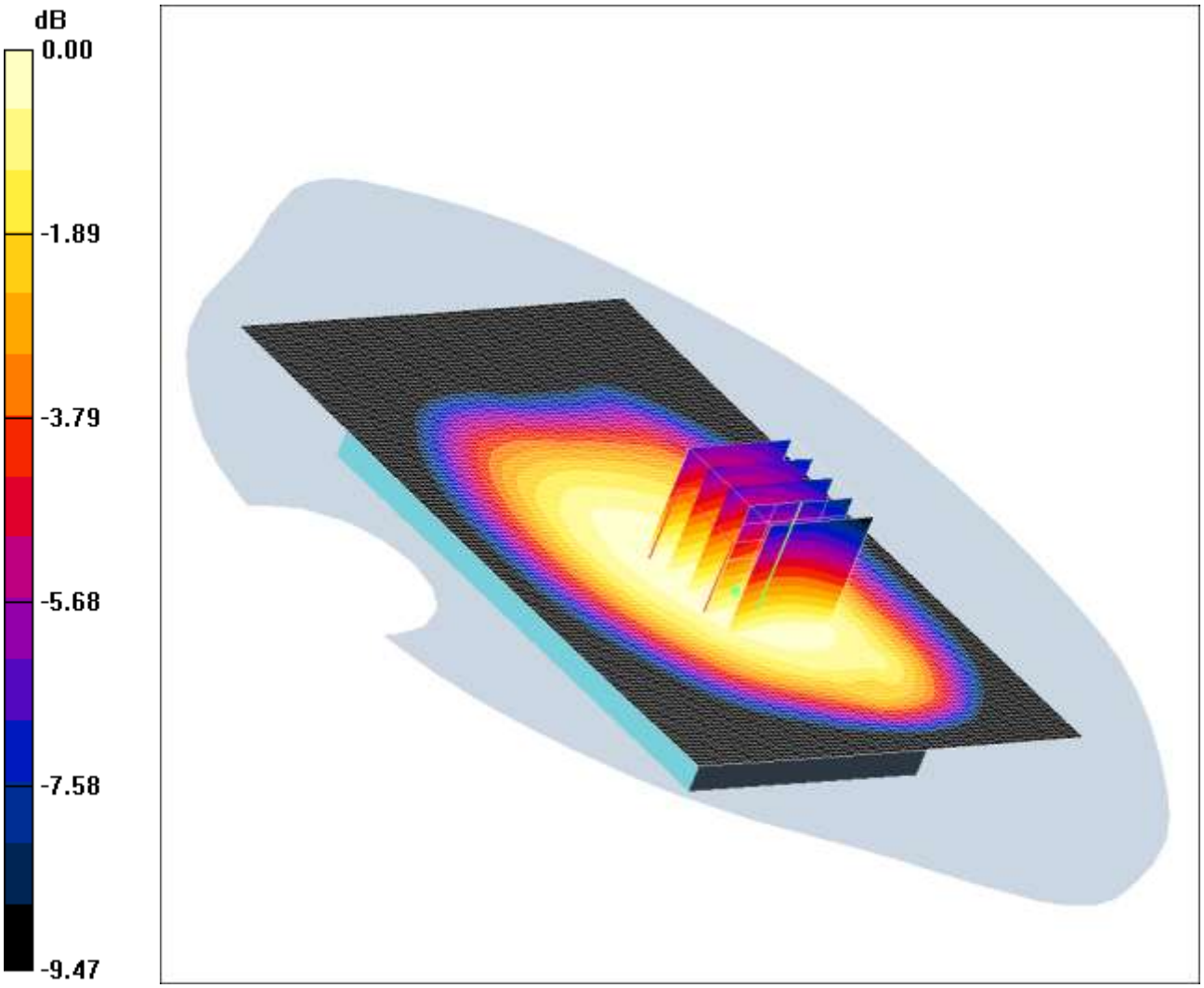


0 dB = 0.477mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.477 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.340 mW/g
Maximum value of SAR (measured) = 0.477 mW/g

SCN/90579JD02/087: Back of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

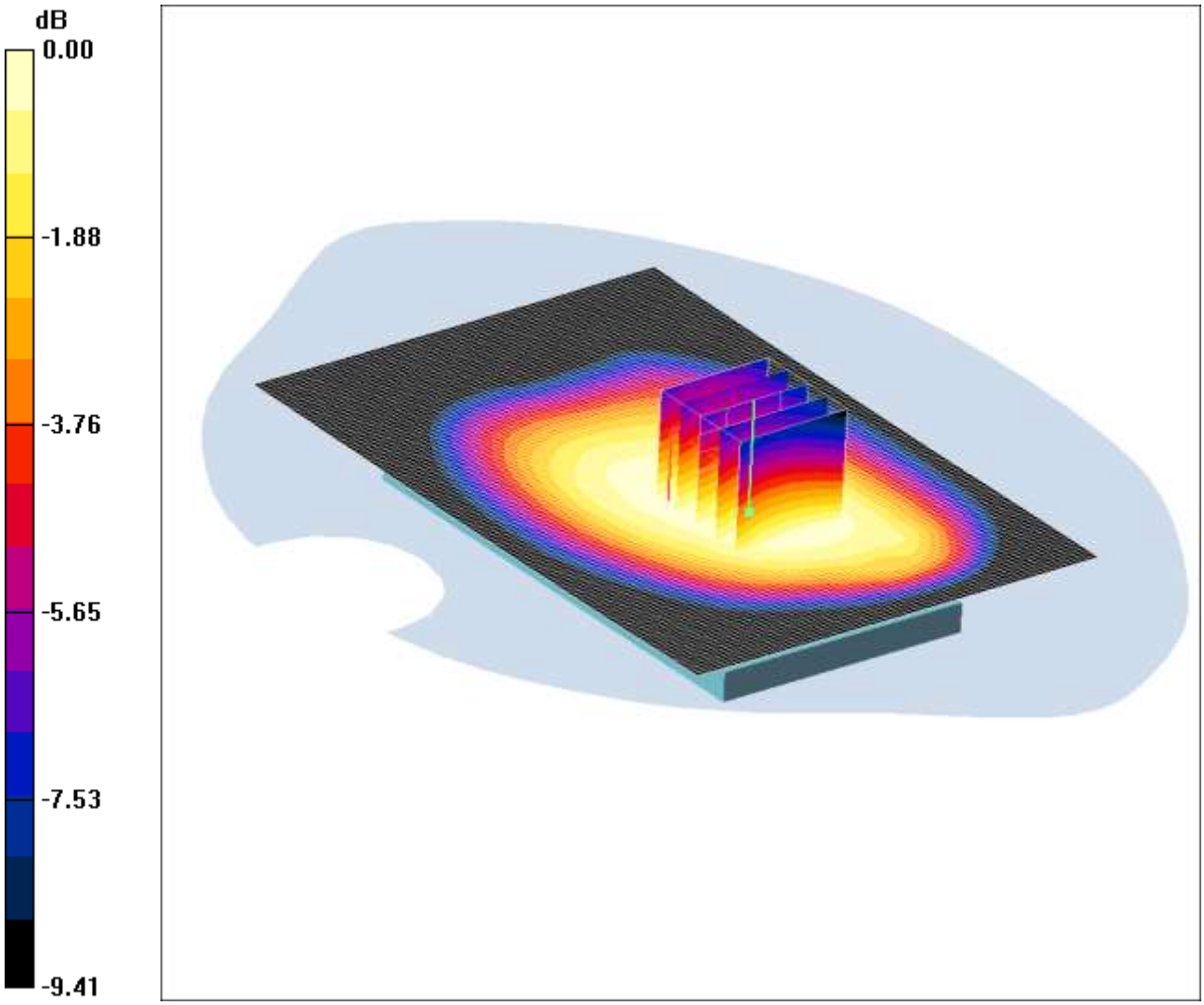


0 dB = 0.478mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.478 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.9 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.559 W/kg
SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.337 mW/g
Maximum value of SAR (measured) = 0.478 mW/g

SCN/90579JD02/088: Back of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

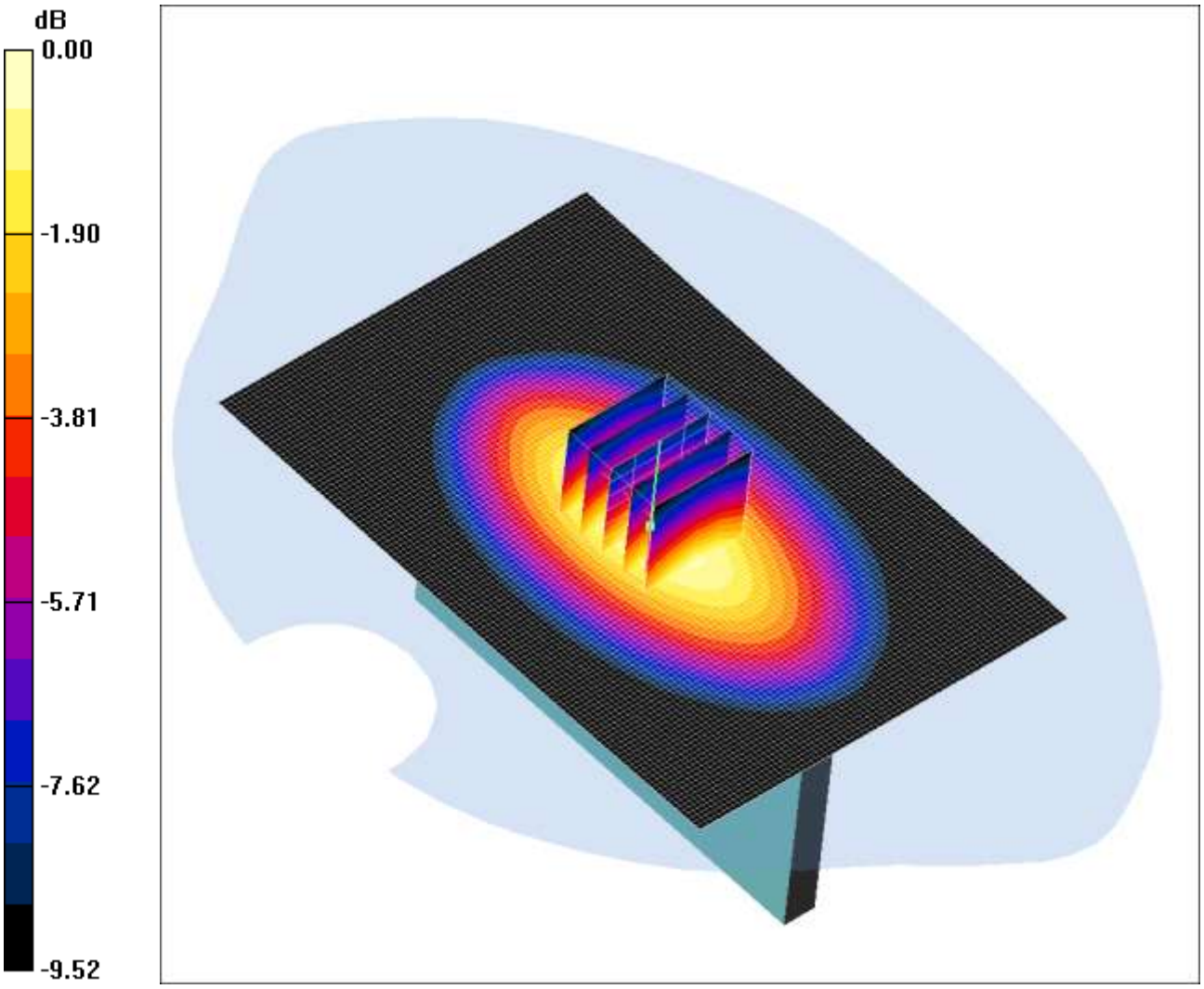


0 dB = 0.469mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.476 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.8 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.551 W/kg
SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 0.469 mW/g

SCN/90579JD02/089: Left Hand Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

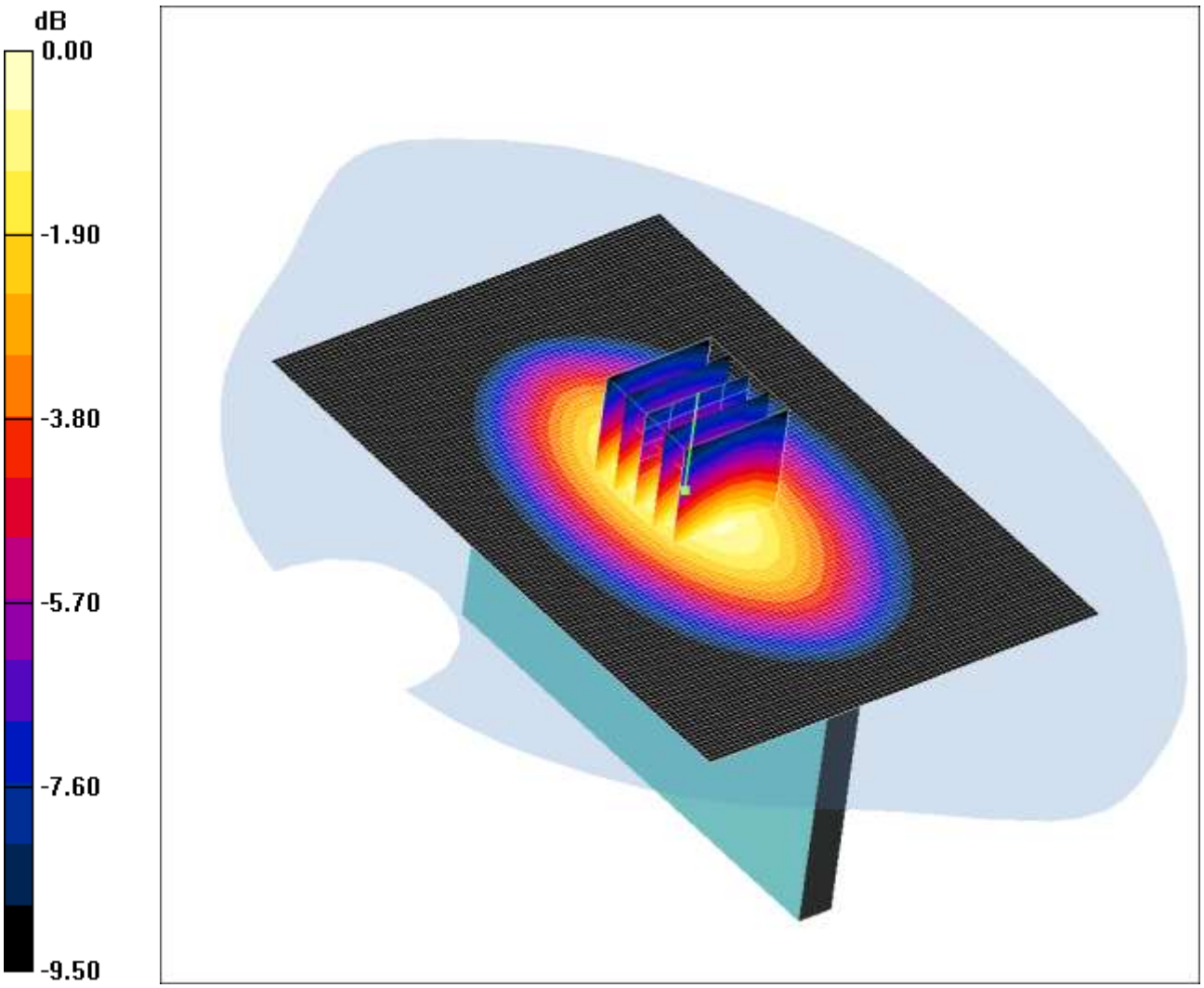


0 dB = 0.365mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Left Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.353 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.2 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 0.443 W/kg
SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.216 mW/g
Maximum value of SAR (measured) = 0.365 mW/g

SCN/90579JD02/090: Left Hand Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

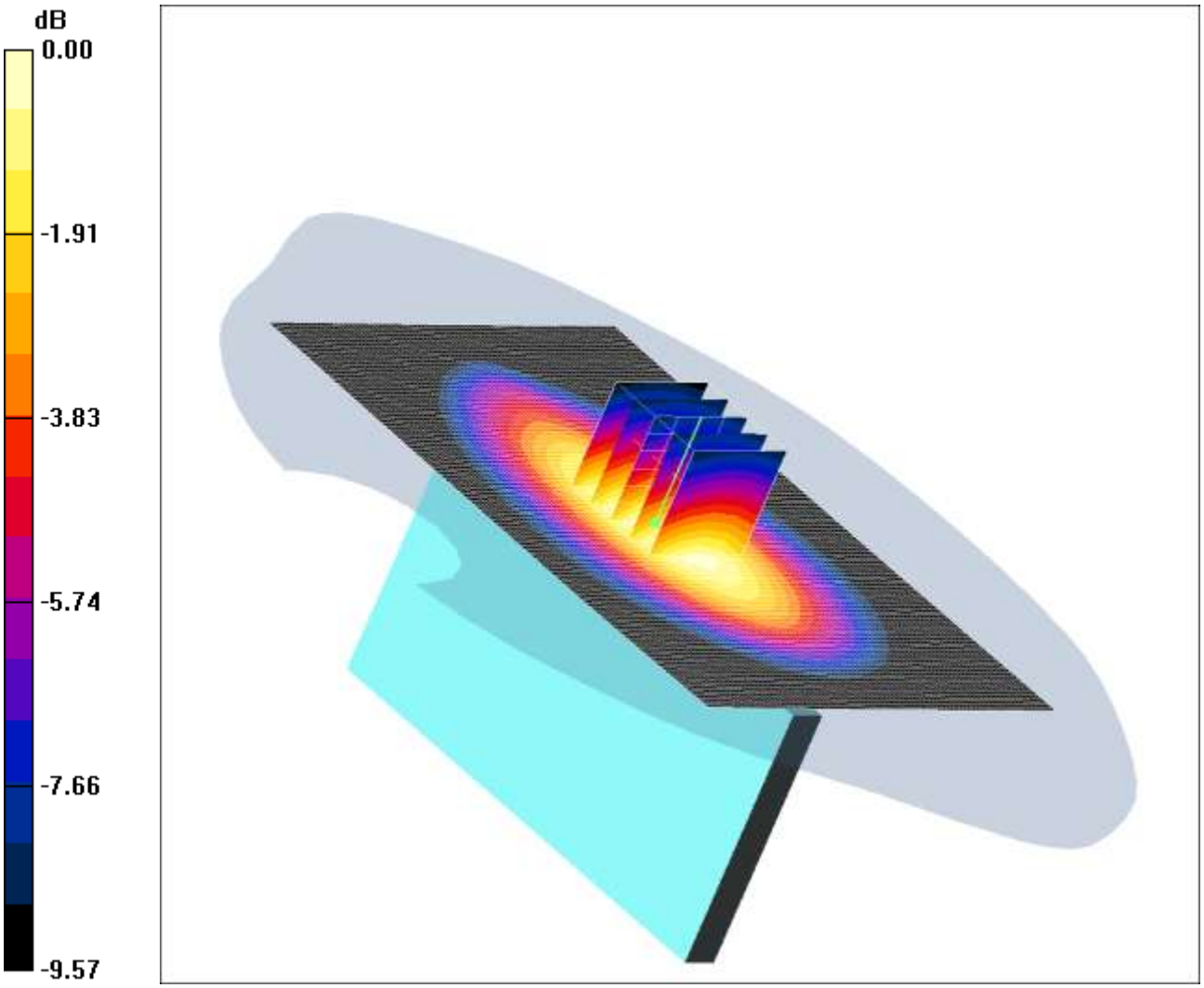


0 dB = 0.356mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Left Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.348 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.434 W/kg
SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.218 mW/g
Maximum value of SAR (measured) = 0.356 mW/g

SCN/90579JD02/091: Right Hand Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

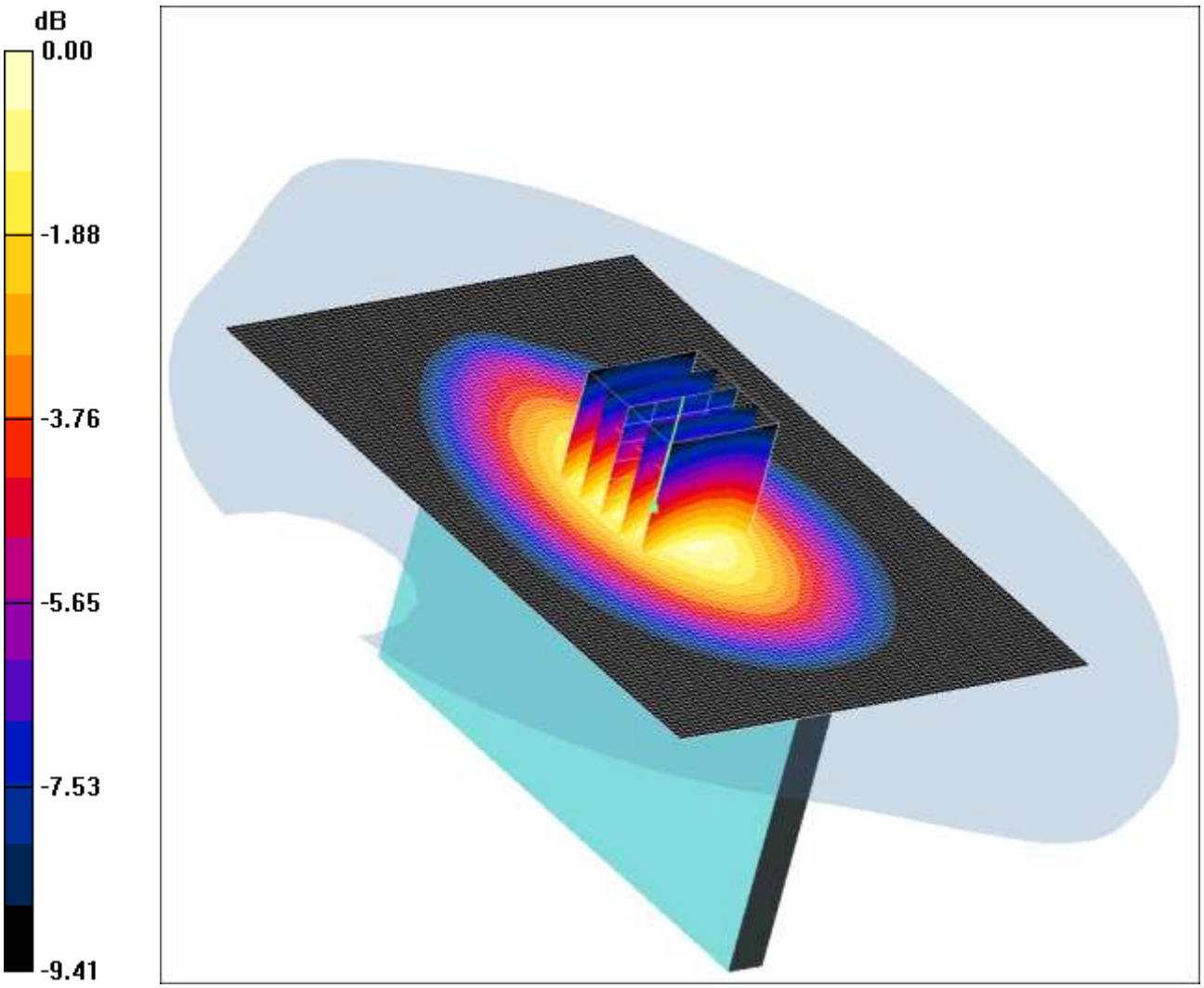


0 dB = 0.321mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Right Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.330 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.6 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.389 W/kg
SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.321 mW/g

SCN/90579JD02/092: Right Hand Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

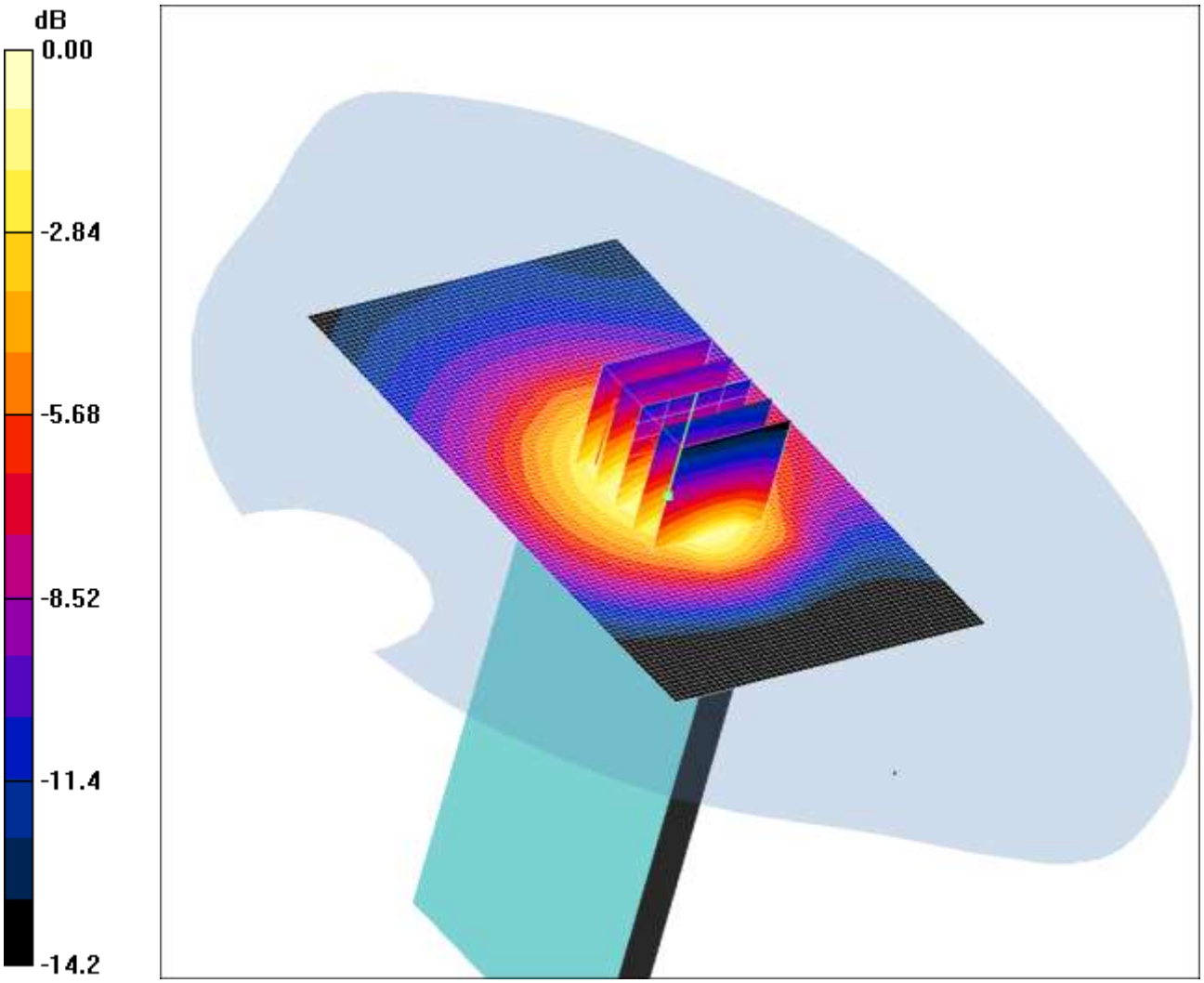


0 dB = 0.320mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Right Hand Side of EUT Facing Phantom - Middle/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.317 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.6 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 0.390 W/kg
SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.320 mW/g

SCN/90579JD02/093: Bottom Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

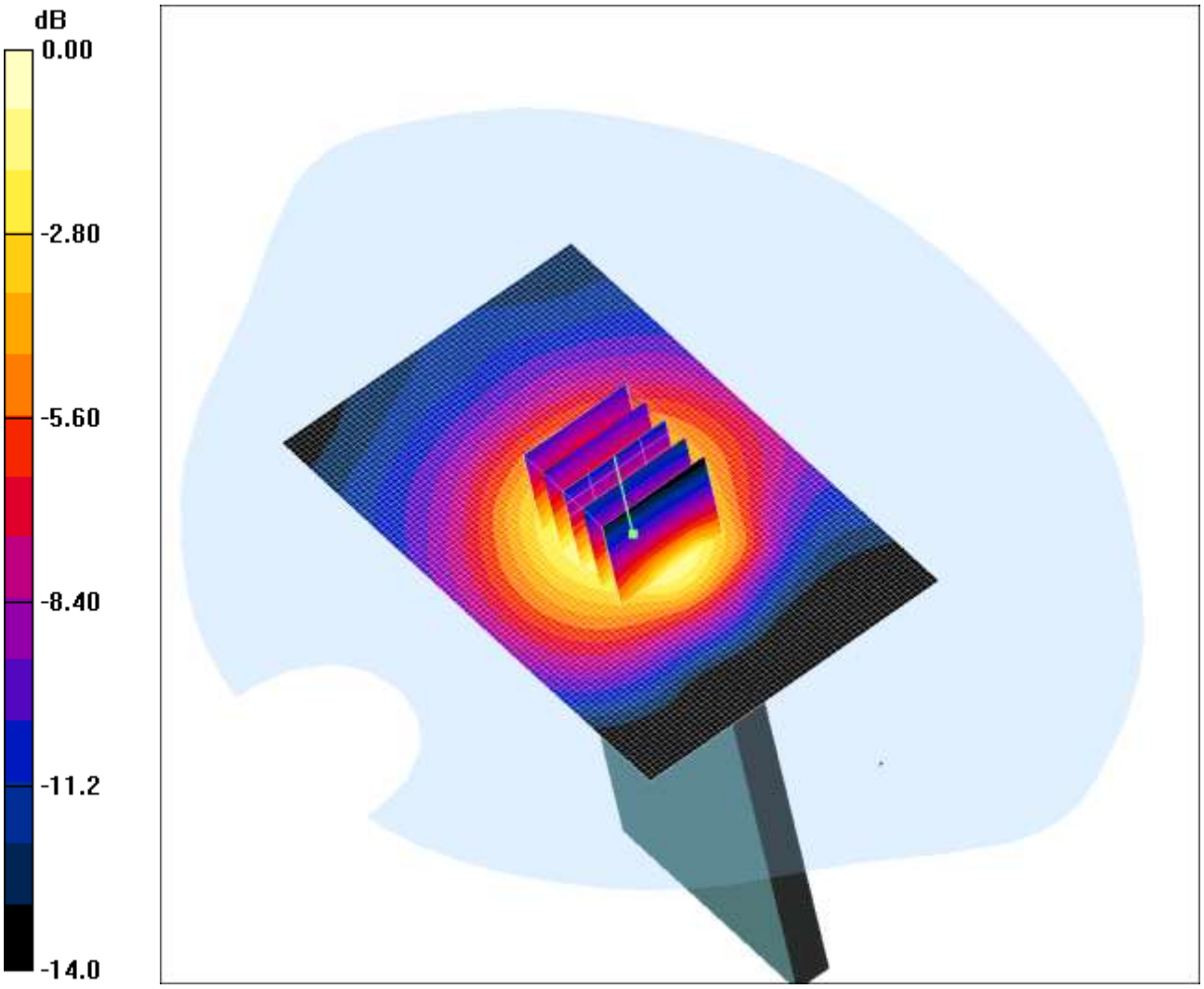


0 dB = 0.111mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Bottom Side of EUT Facing Phantom - Middle/Area Scan 2 (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.112 mW/g
Bottom Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.8 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.111 mW/g

SCN/90579JD02/094: Bottom Side of EUT Facing Phantom LTE Band 5 1.4MHz BW 50% RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

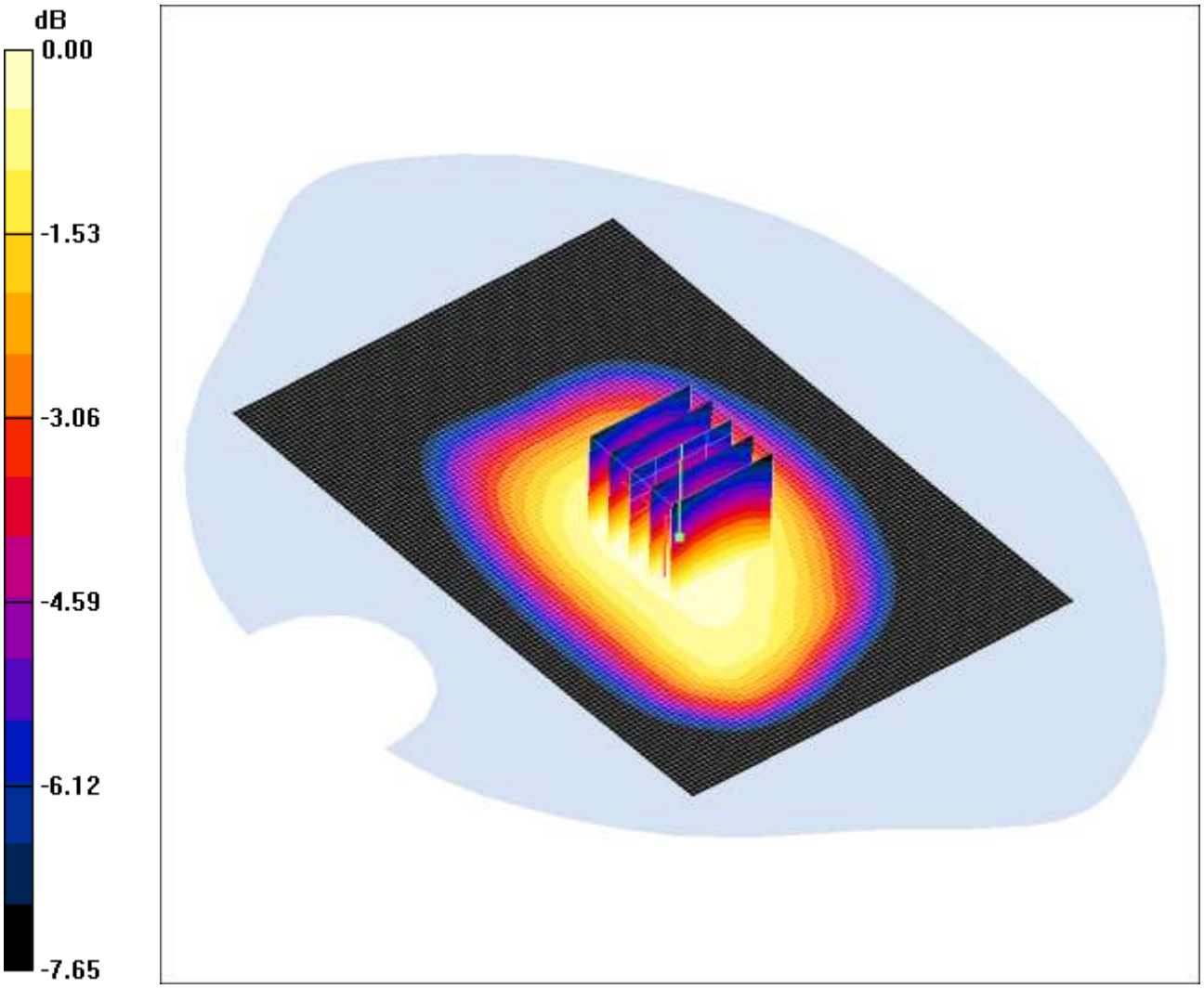


0 dB = 0.110mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Bottom Side of EUT Facing Phantom - Middle/Area Scan 2 (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.114 mW/g
Bottom Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.8 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.110 mW/g

SCN/90579JD02/095: Front of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20407
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

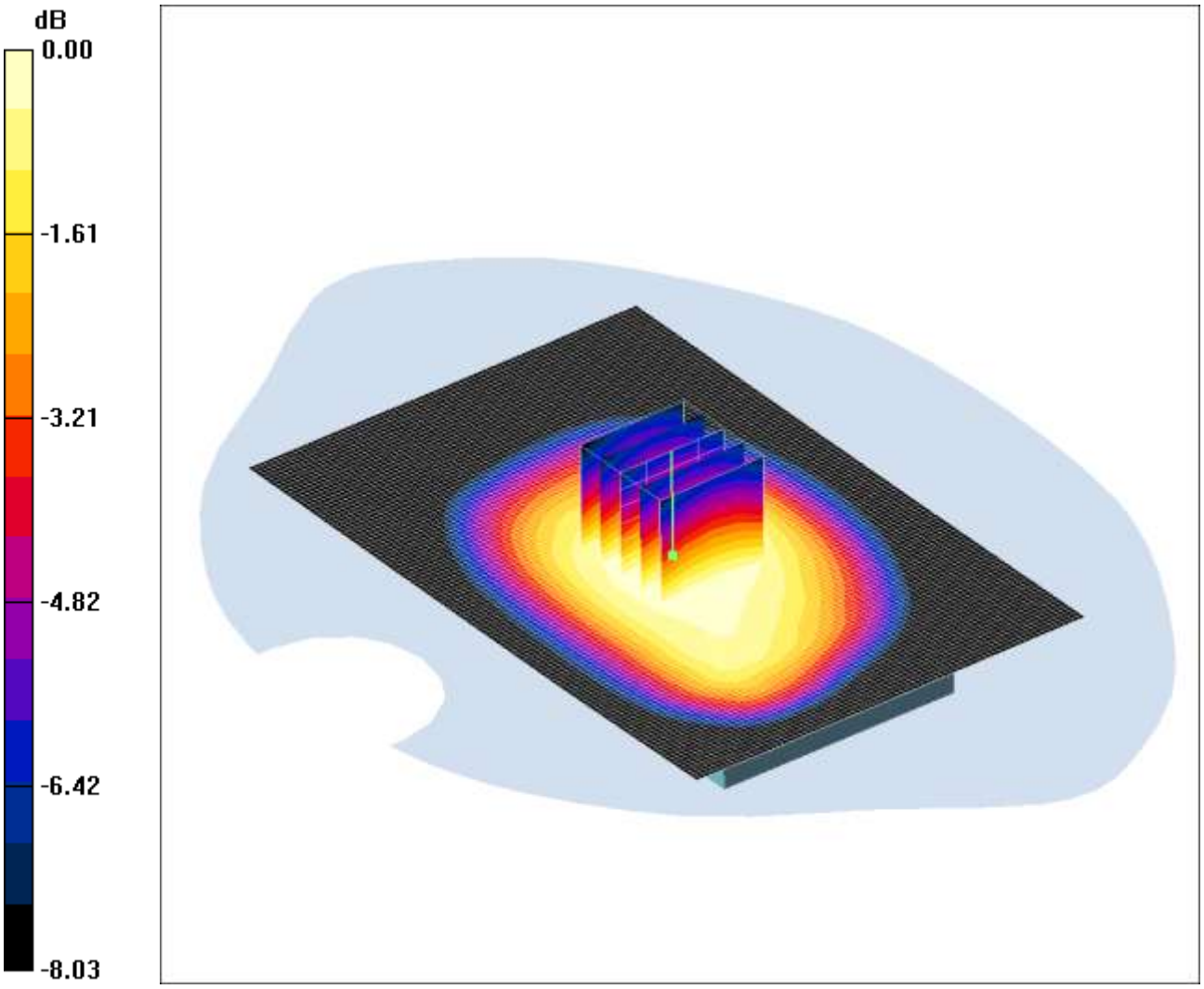


0 dB = 0.480mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 824.7 MHz; σ = 0.981 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Low/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.485 mW/g
Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.4 V/m; Power Drift = 0.083 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.343 mW/g
Maximum value of SAR (measured) = 0.480 mW/g

SCN/90579JD02/096: Front of EUT Facing Phantom LTE Band 5 1.4MHz BW 1RB Middle CH20643
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

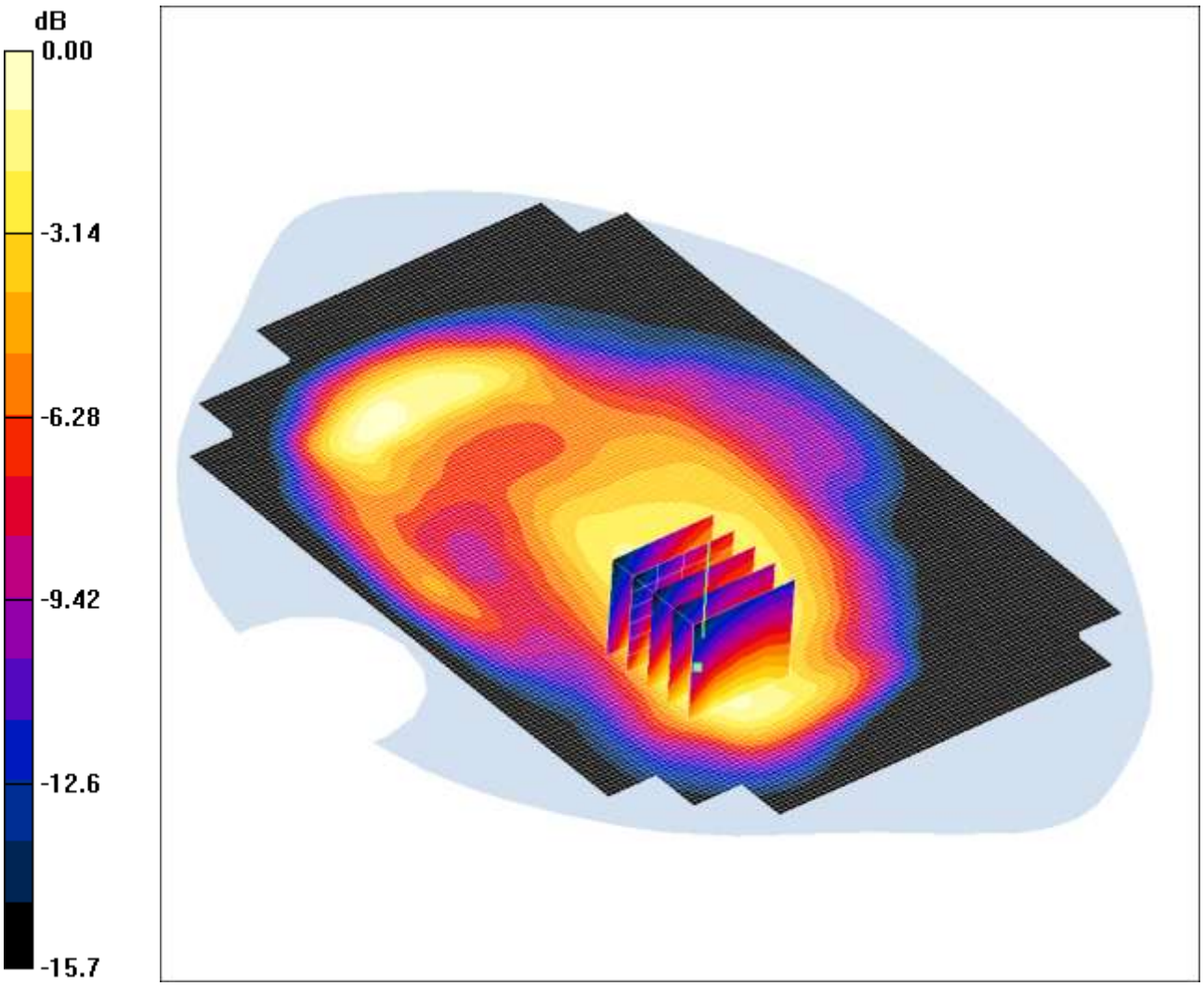


0 dB = 0.477mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 848.3 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.3 MHz; σ = 0.995 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - High/Area Scan 2 (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.482 mW/g
Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.339 mW/g
Maximum value of SAR (measured) = 0.477 mW/g

SCN/90579JD02/097: Front of EUT Facing Phantom With PHF 15mm Separation LTE Band 5 1.4MHz BW 1RB Middle CH20525
Date: 04/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: PM-0270-BV

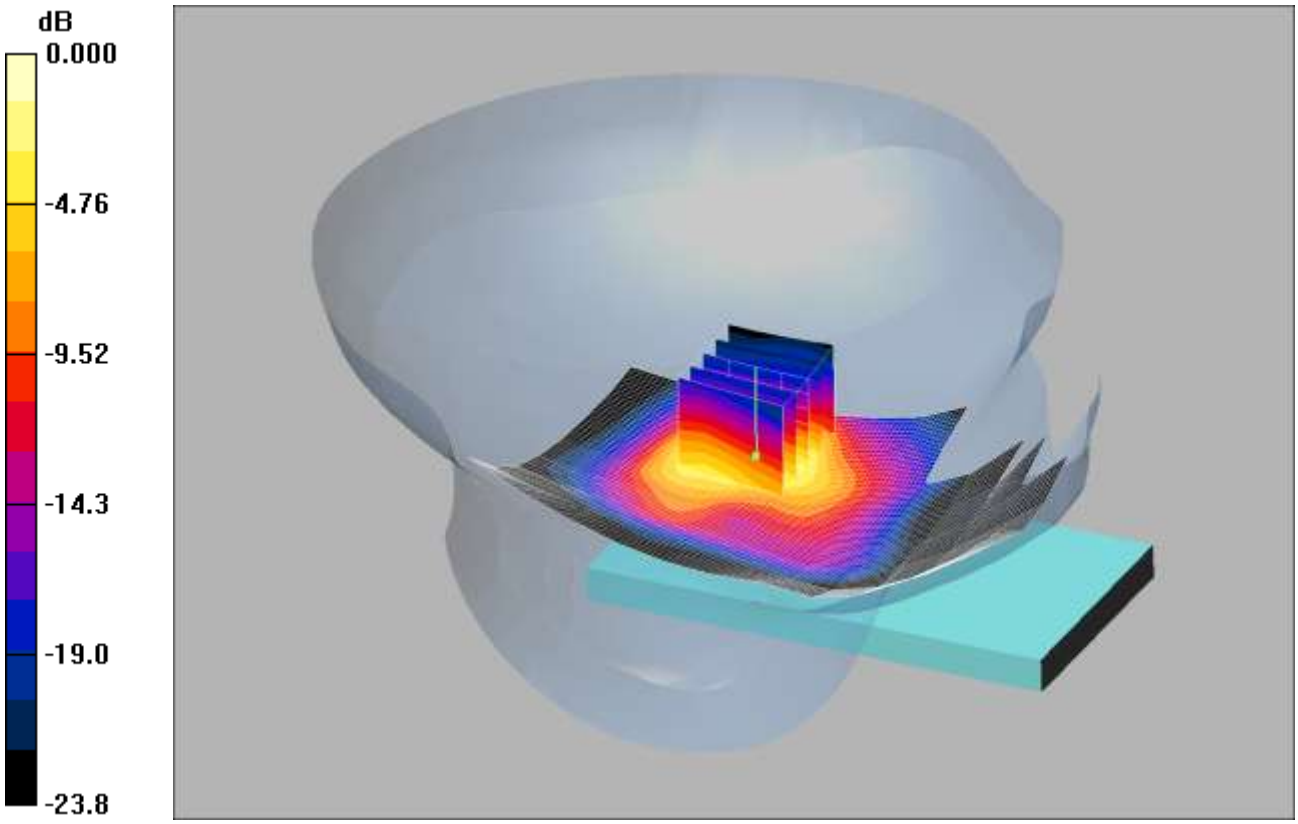


0 dB = 0.354mW/g

Communication System: LTE Band 5 / 1.4MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.988 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom With PHF - Middle/Area Scan 2 (101x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.368 mW/g
Front of EUT Facing Phantom With PHF - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.7 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.219 mW/g
Maximum value of SAR (measured) = 0.354 mW/g

SCN/90579JD02/098: Touch Left WiFi 802.11b 11Mpbs CH6
Date: 2/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina WLAN Rad1; Serial: CB5A1M798L

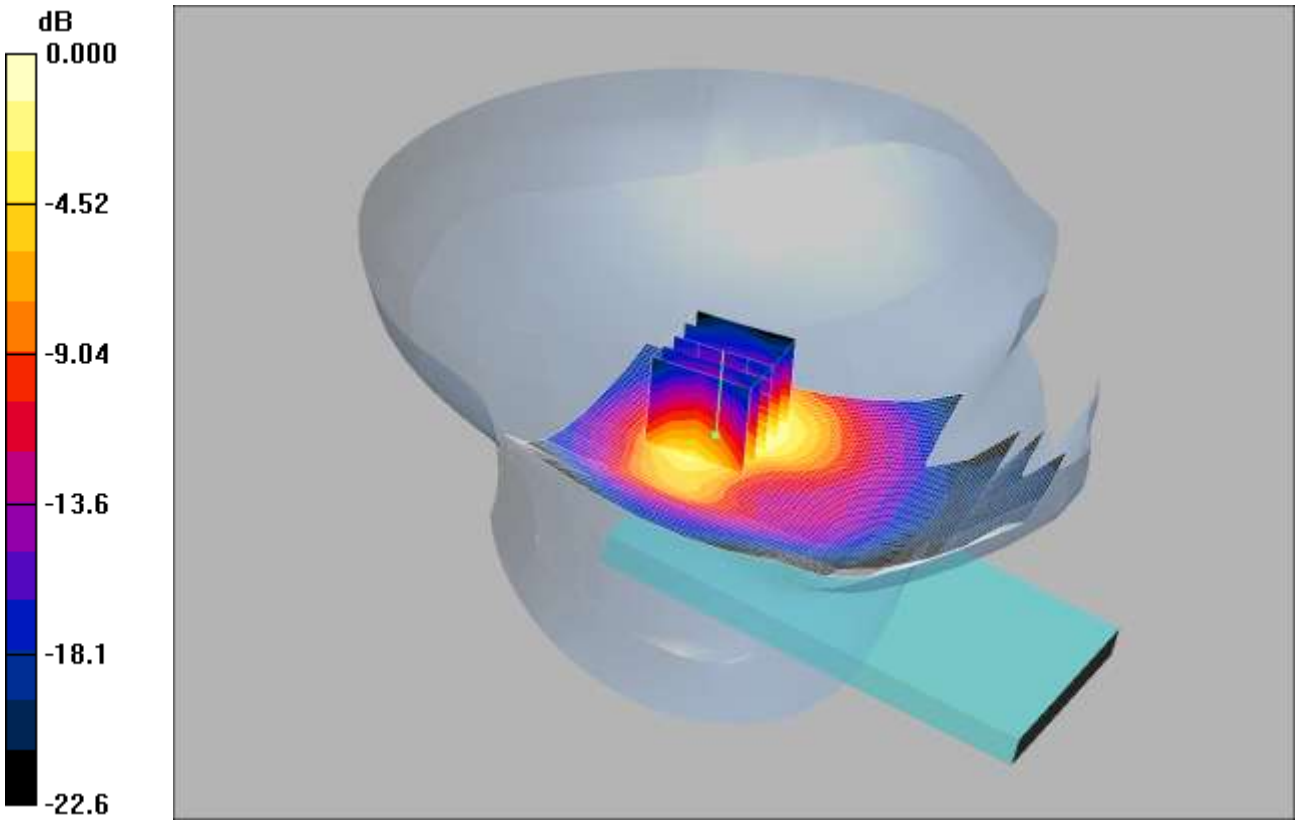


0 dB = 0.473mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.84 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch Left- Middle/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.528 mW/g
Touch Left- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.50 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.473 mW/g

SCN/90579JD02/099: Tilt Left WiFi 802.11b 11Mpbs CH6
Date: 02/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina WLAN Rad1; Serial: CB5A1M798L

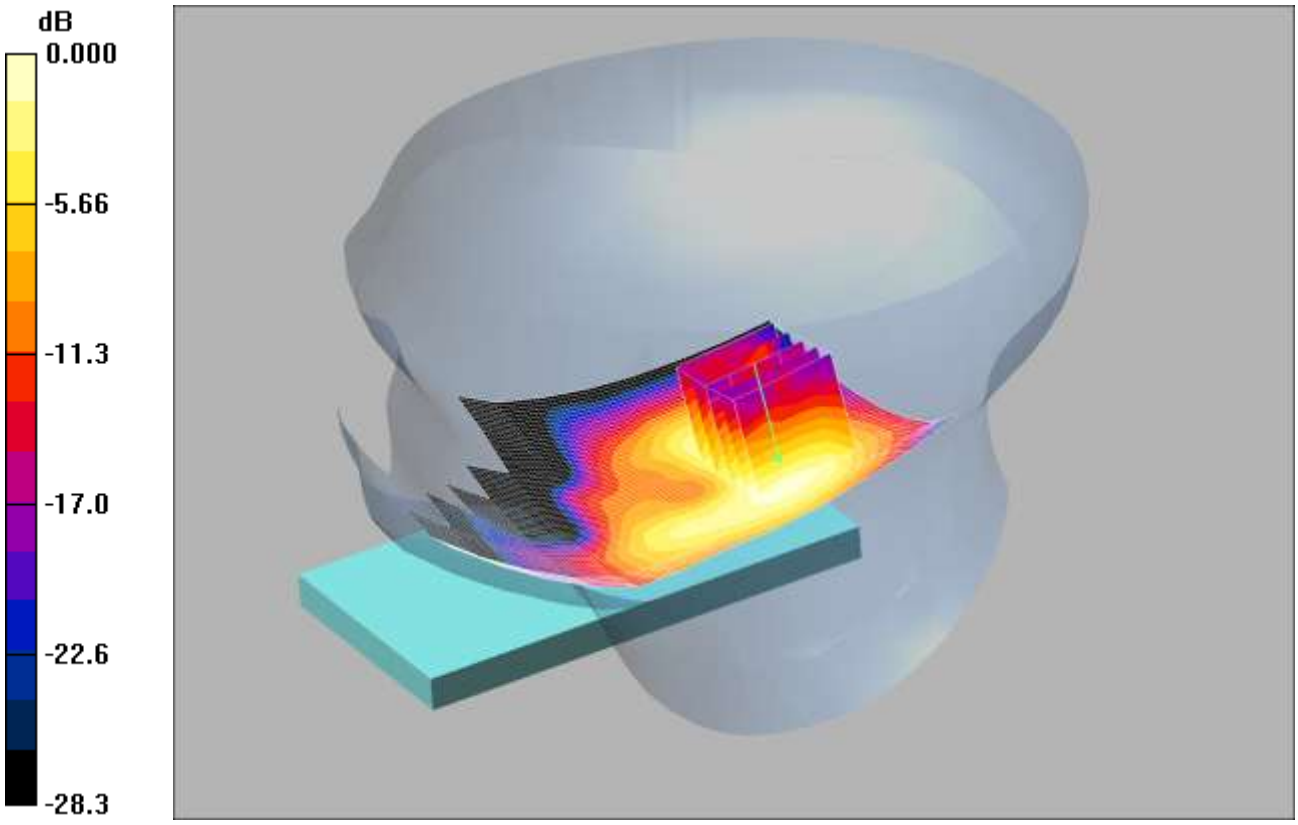


0 dB = 0.236mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.84 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt Left- Middle/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.273 mW/g
Tilt Left- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.96 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 0.431 W/kg
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.111 mW/g
Maximum value of SAR (measured) = 0.236 mW/g

SCN/90579JD02/100: Touch Right WiFi 802.11b 11Mpbs CH6
Date: 02/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina WLAN Rad1; Serial: CB5A1M798L

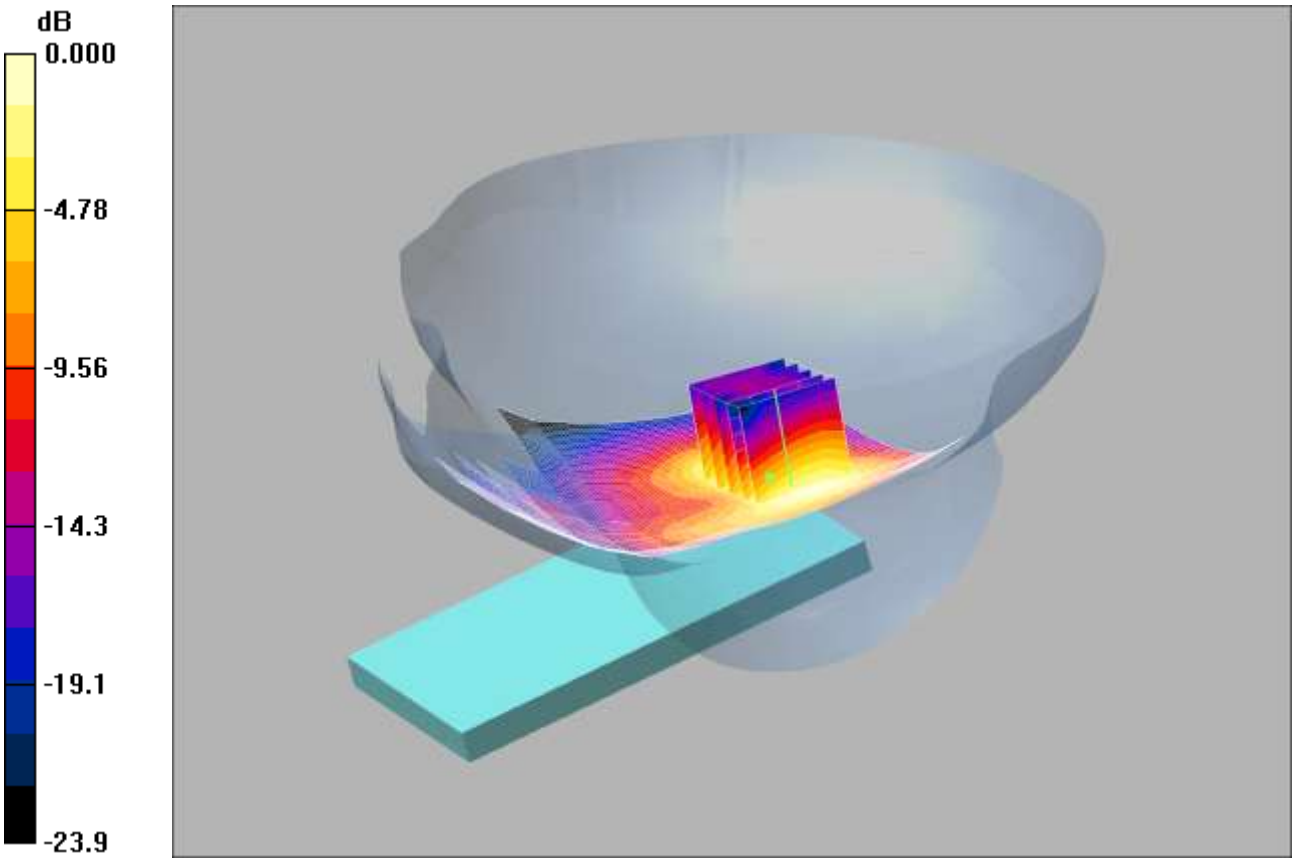


0 dB = 0.171mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.84 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch Right- Middle/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.168 mW/g
Touch Right- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.59 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.171 mW/g

SCN/90579JD02/101: Tilt Right WiFi 802.11b 11Mpbs CH6
Date: 02/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina WLAN Rad1; Serial: CB5A1M798L

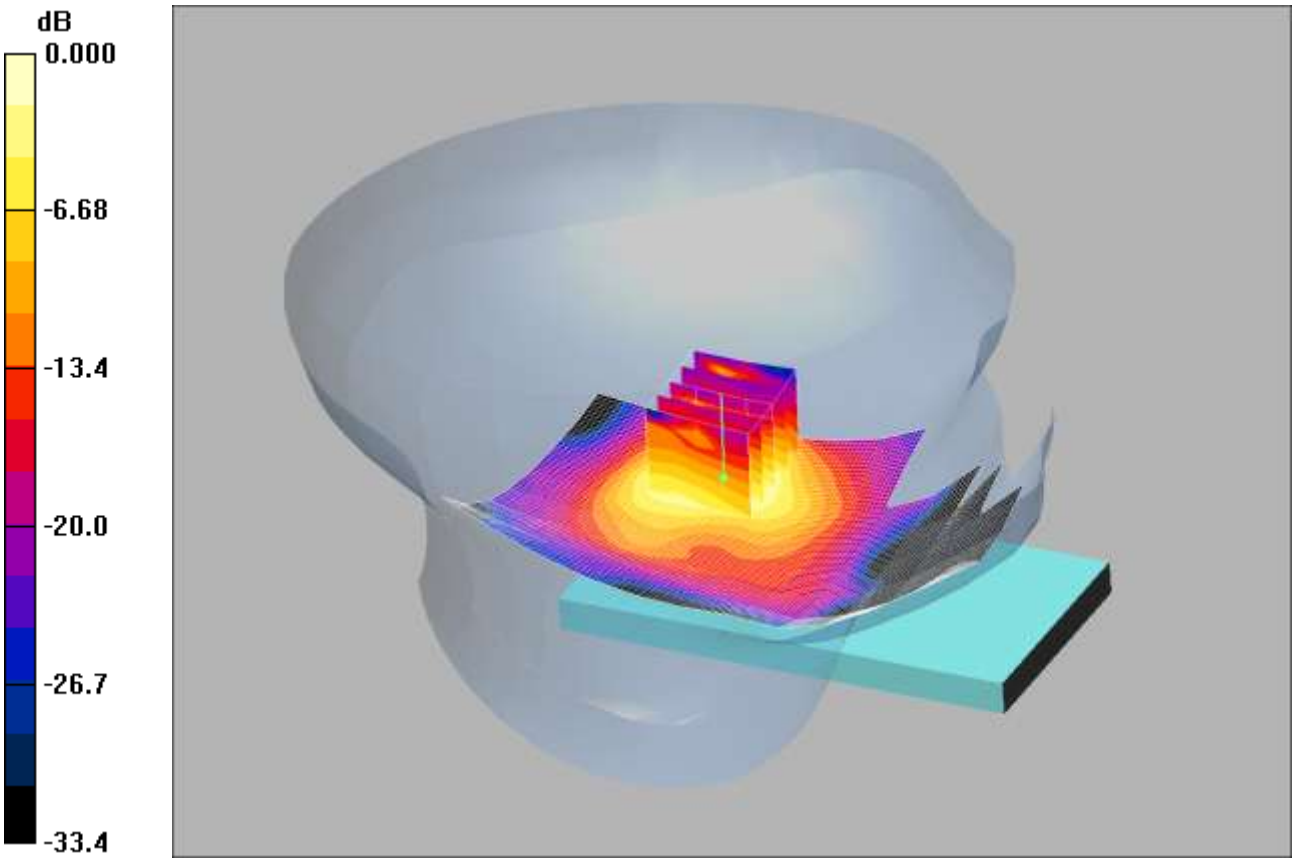


0 dB = 0.128mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.84 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt Right- Middle/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.137 mW/g
Tilt Right- Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.91 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 0.216 W/kg
SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.065 mW/g
Maximum value of SAR (measured) = 0.128 mW/g

SCN/90579JD02/102: Touch Left WiFi 802.11b 11Mpbs CH1
Date: 02/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina WLAN Rad1; Serial: CB5A1M798L

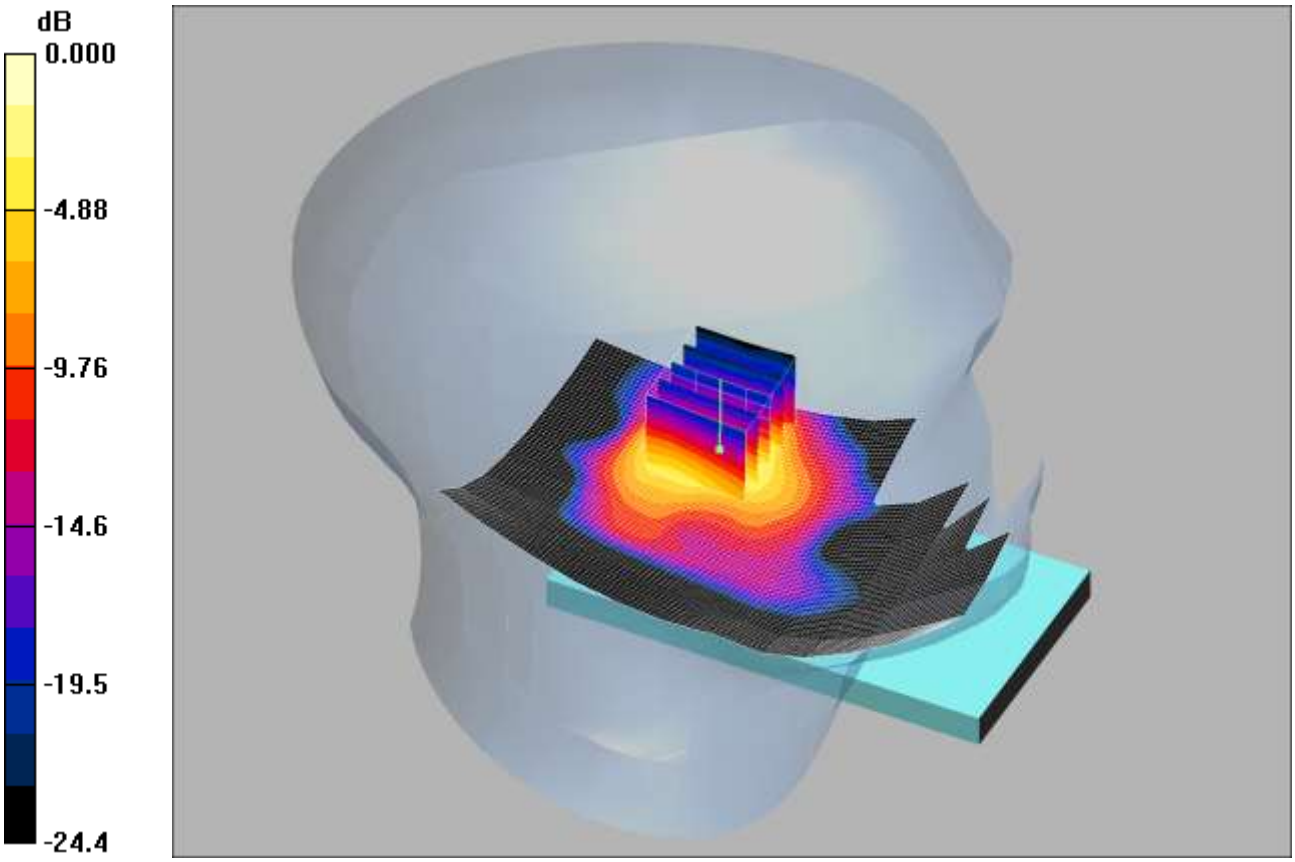


0 dB = 0.280mW/g

Communication System: WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2412 MHz; σ = 1.82 mho/m; ε_r = 38.3; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch Left- Low/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.318 mW/g
Touch Left- Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.60 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 0.517 W/kg
SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.280 mW/g

SCN/90579JD02/103: Touch Left WiFi 802.11b 11Mpbs CH11
Date: 02/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina WLAN Rad1; Serial: CB5A1M798L

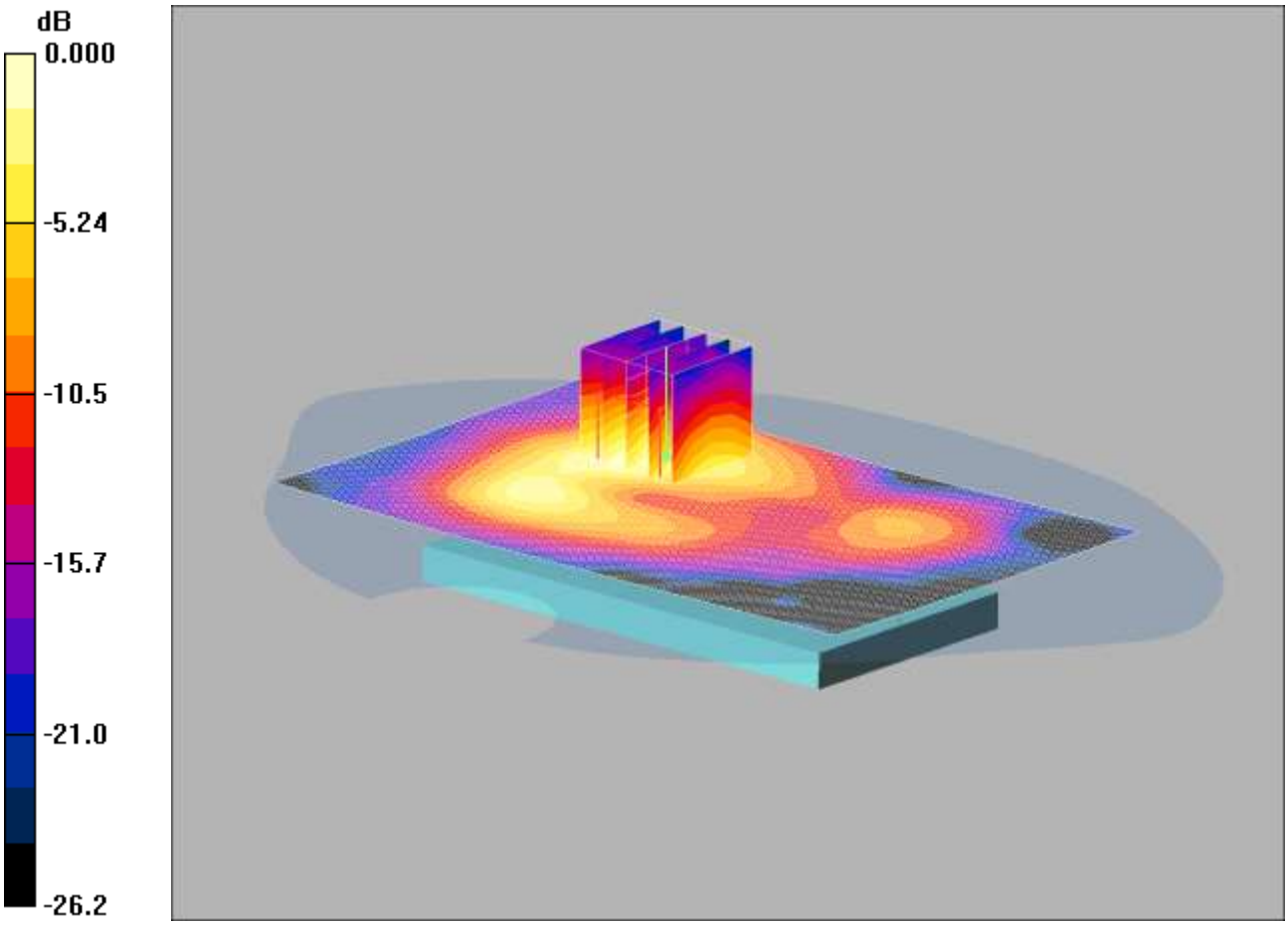


0 dB = 0.925mW/g

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2462 MHz; σ = 1.87 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Left- High 2 2/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 mW/g
Left- High 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.06 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.393 mW/g
Maximum value of SAR (measured) = 0.925 mW/g

SCN/90579JD02/104: Front of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
Date: 07/02/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

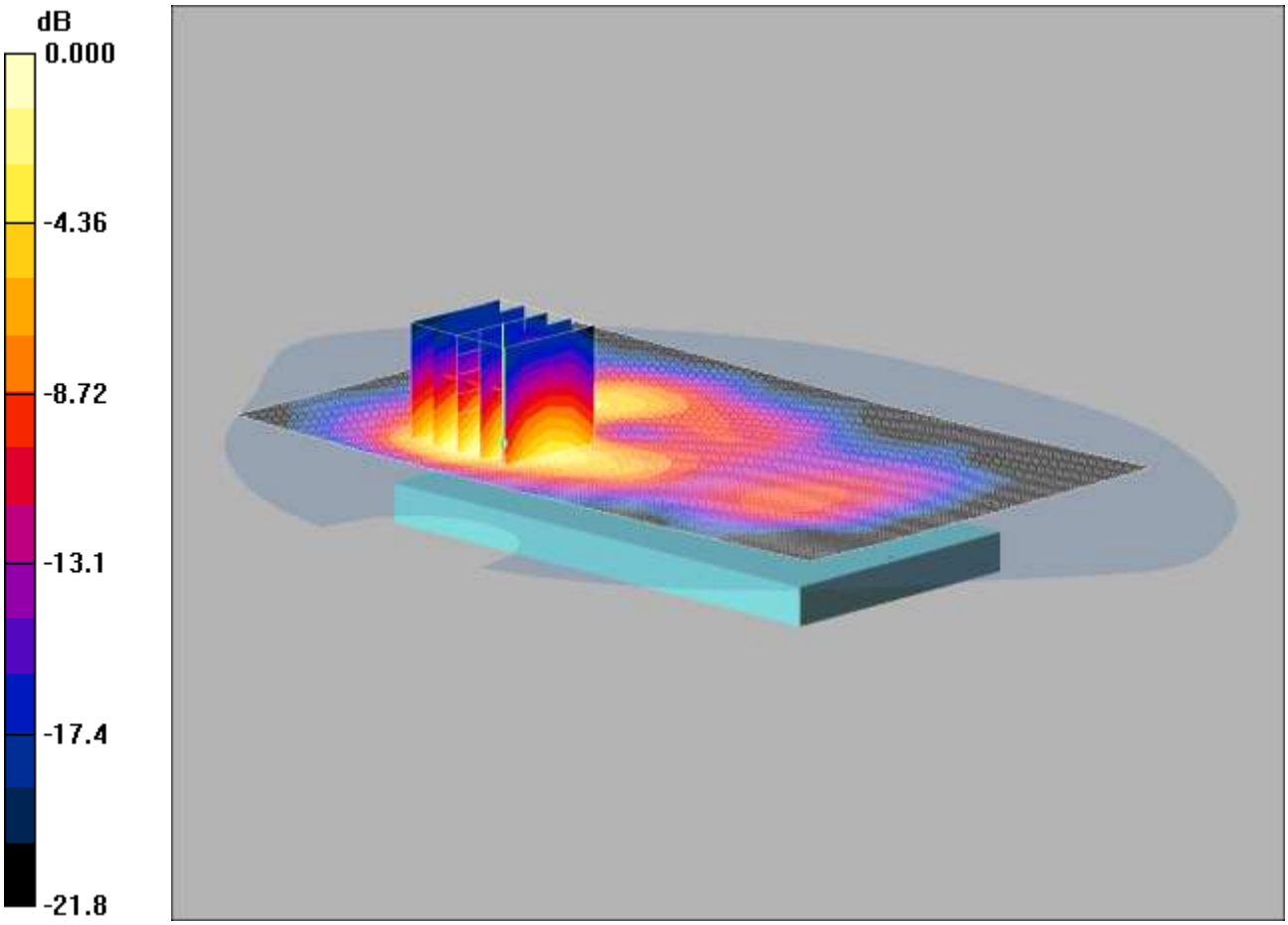


0 dB = 0.109mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Front of EUT Facing Phantom- Middle/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.105 mW/g
Front of EUT Facing Phantom- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.23 V/m; Power Drift = -0.199 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.109 mW/g

SCN/90579JD02/105: Back of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

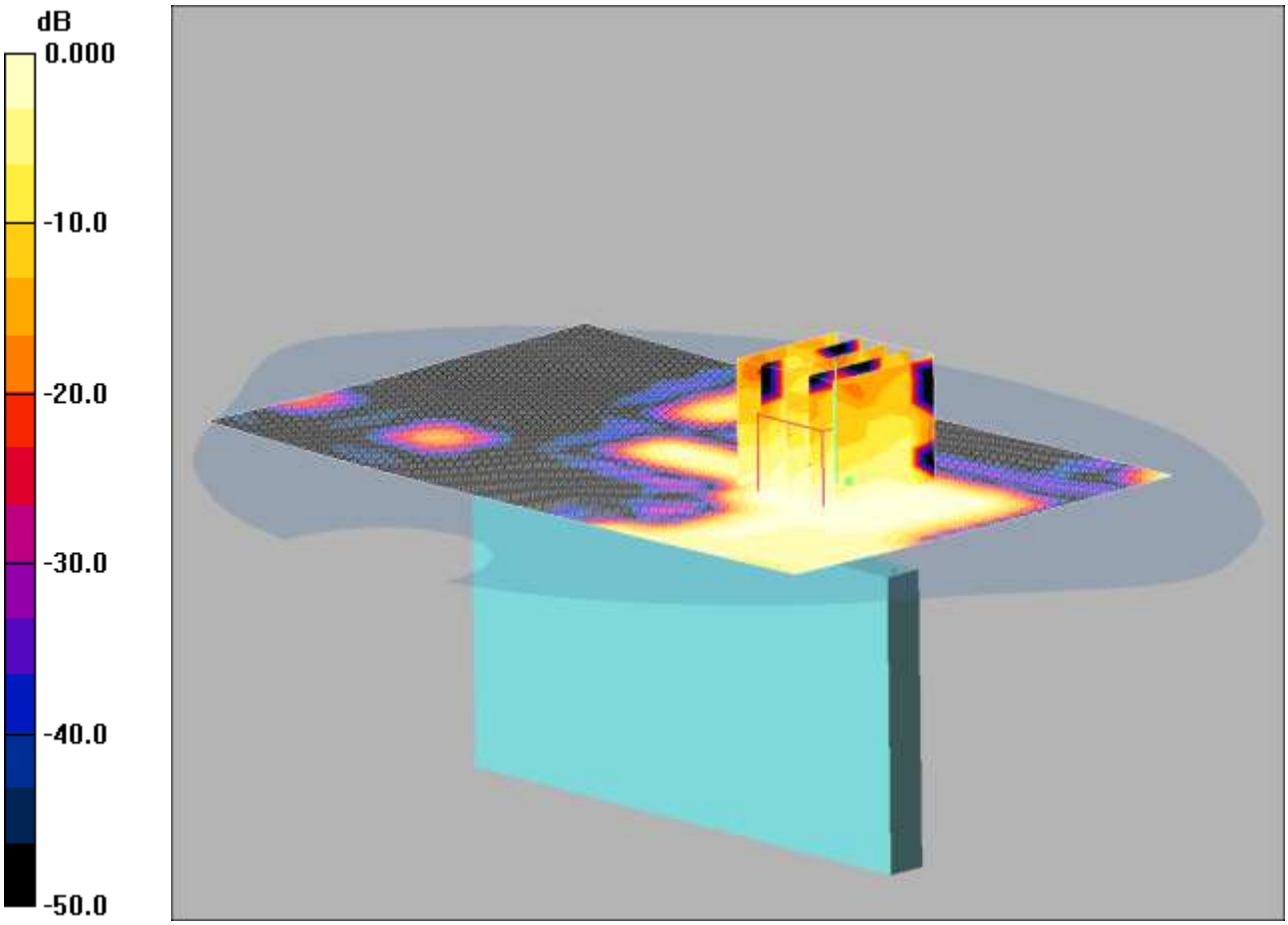


0 dB = 0.150mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Back of EUT Facing Phantom- Middle/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.147 mW/g
Back of EUT Facing Phantom- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.83 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 0.305 W/kg
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.150 mW/g

SCN/90579JD02/106: Left Hand Side of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

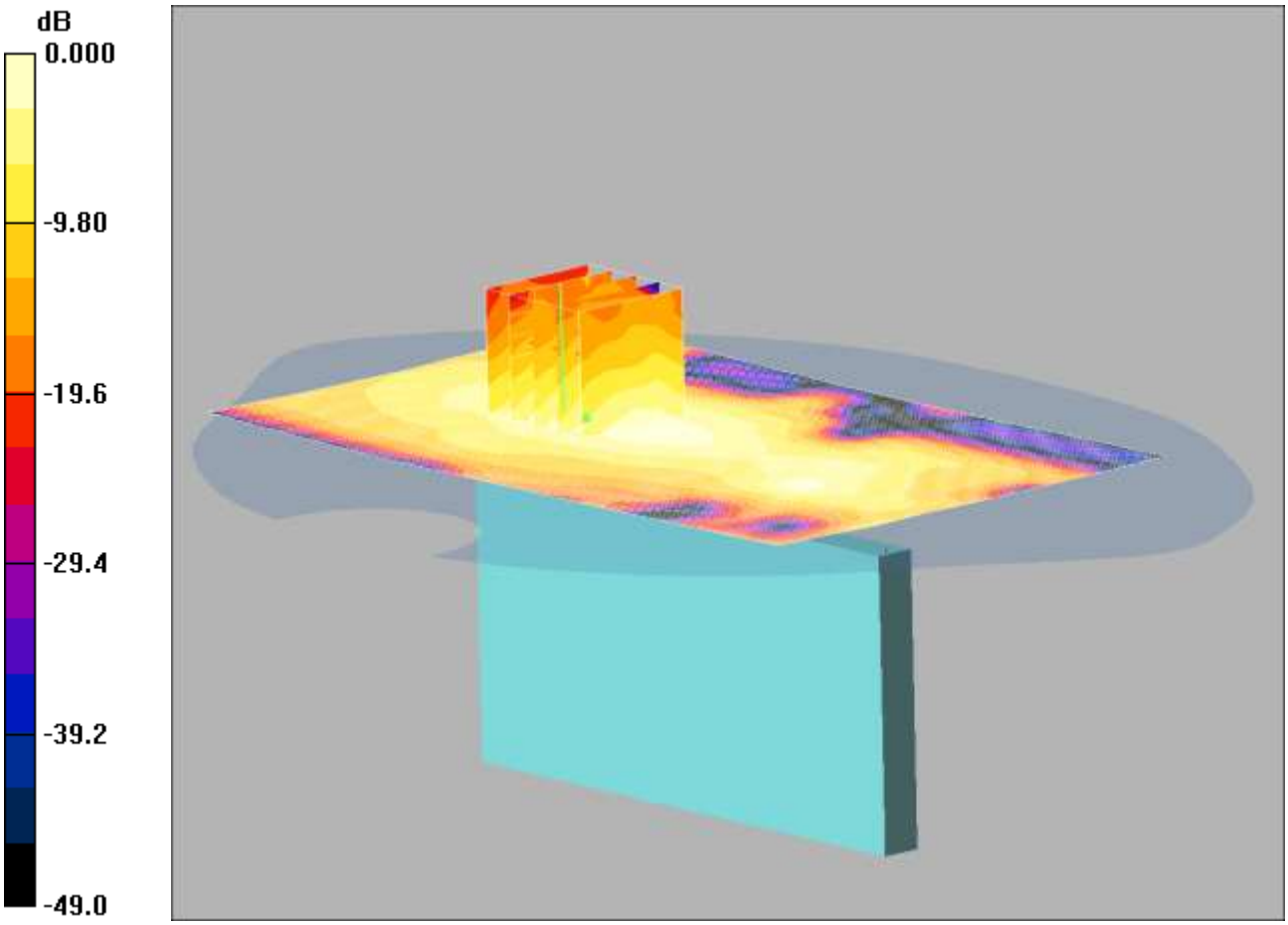


0 dB = 0.011mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Left Hand Side of EUT Facing Phantom- Middle/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.022 mW/g
Left Hand Side of EUT Facing Phantom- Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.62 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 0.067 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00465 mW/g
Maximum value of SAR (measured) = 0.011 mW/g

SCN/90579JD02/107: Right Hand Side of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

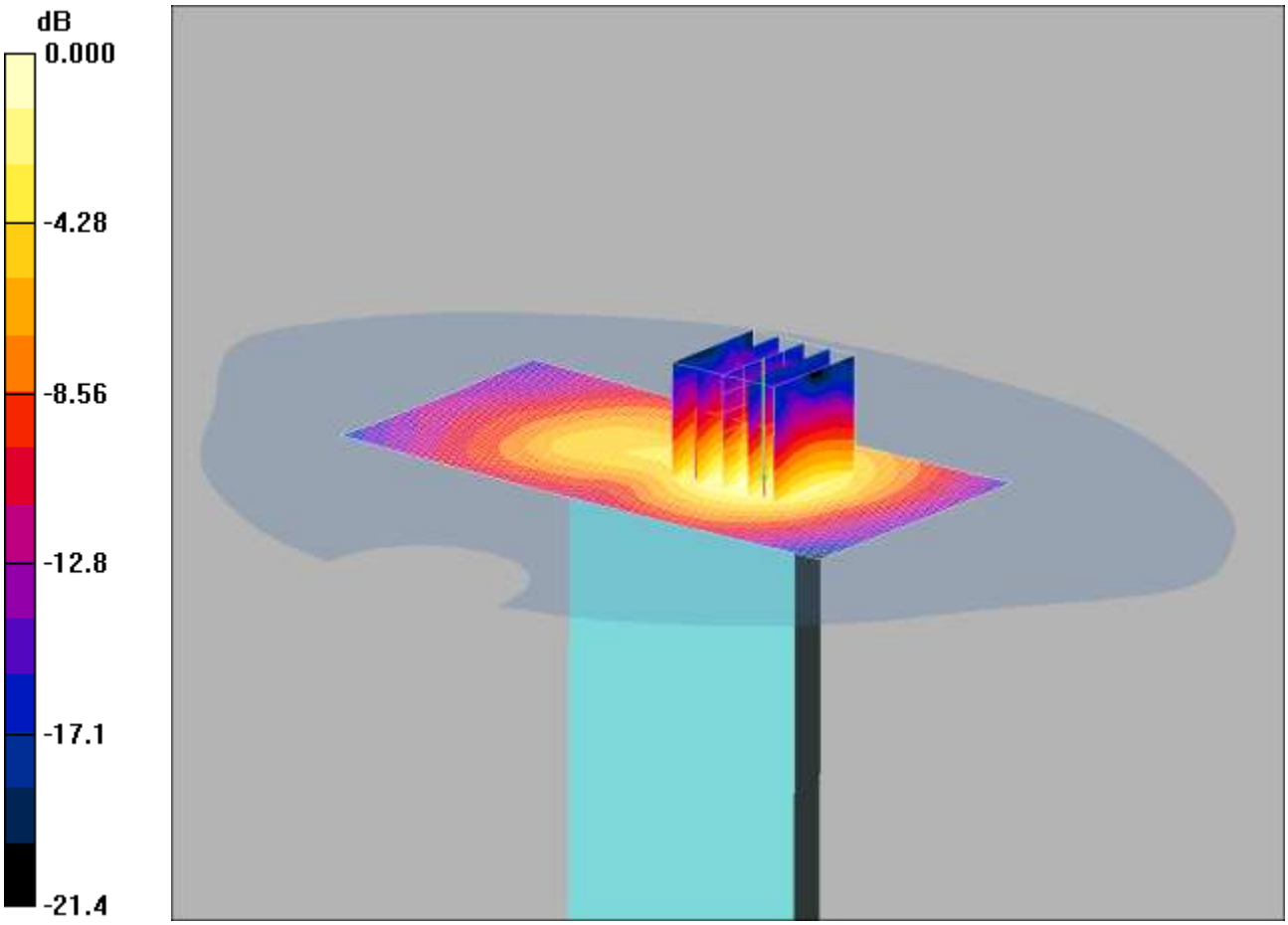


0 dB = 0.070mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Right Hand Side of EUT Facing Phantom- Middle 2/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.070 mW/g
Right Hand Side of EUT Facing Phantom- Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.53 V/m; Power Drift = -0.096 dB
Peak SAR (extrapolated) = 0.132 W/kg
SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.070 mW/g

SCN/90579JD02/108: Top of EUT Facing Phantom WiFi 802.11b 11Mpbs CH6
Date: 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

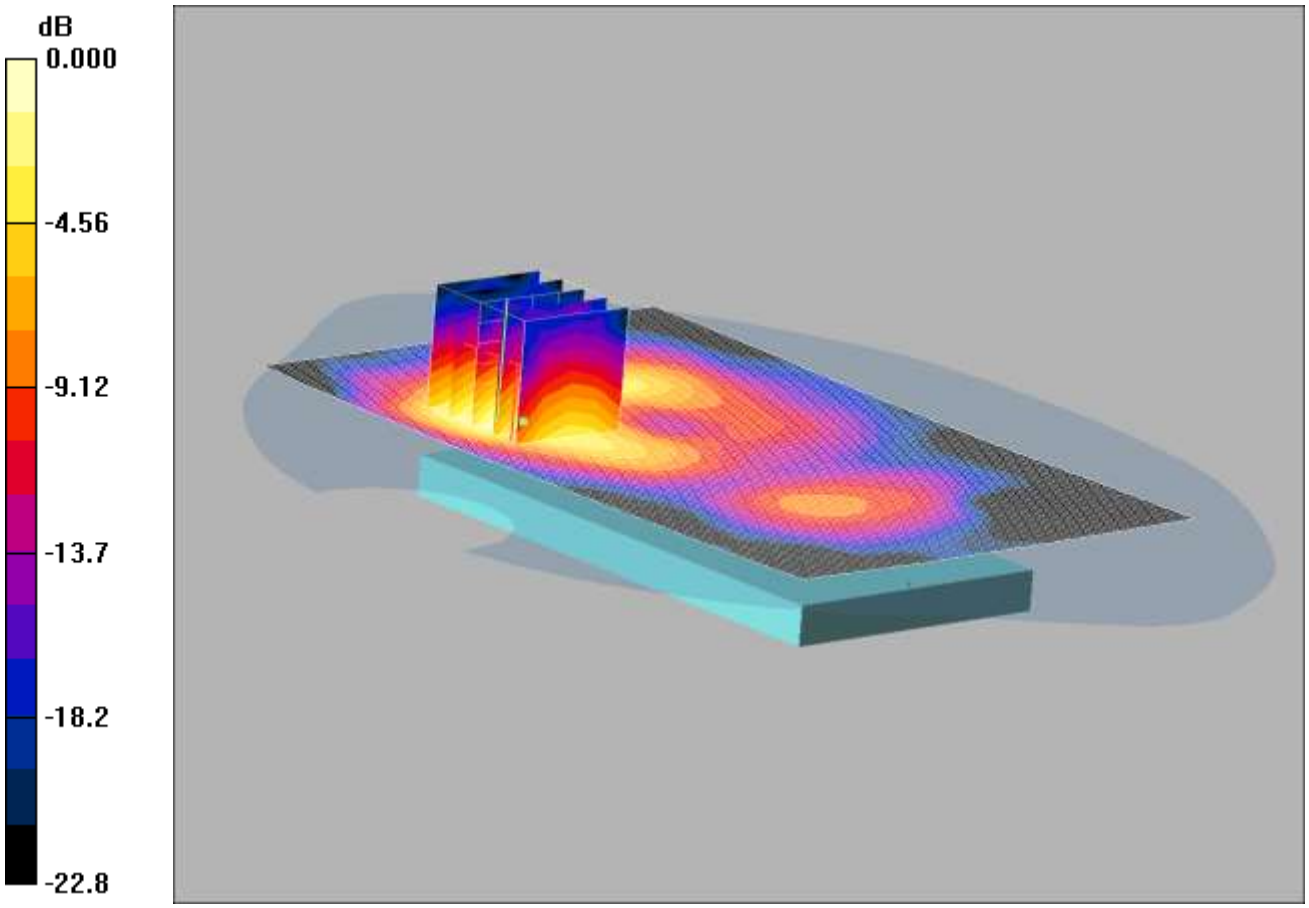


0 dB = 0.057mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Top of EUT Facing Phantom- Middle/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.057 mW/g
Top of EUT Facing Phantom- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.07 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.057 mW/g

SCN/90579JD02/109: Back of EUT Facing Phantom WiFi 802.11b 11Mpbs CH1
Date 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

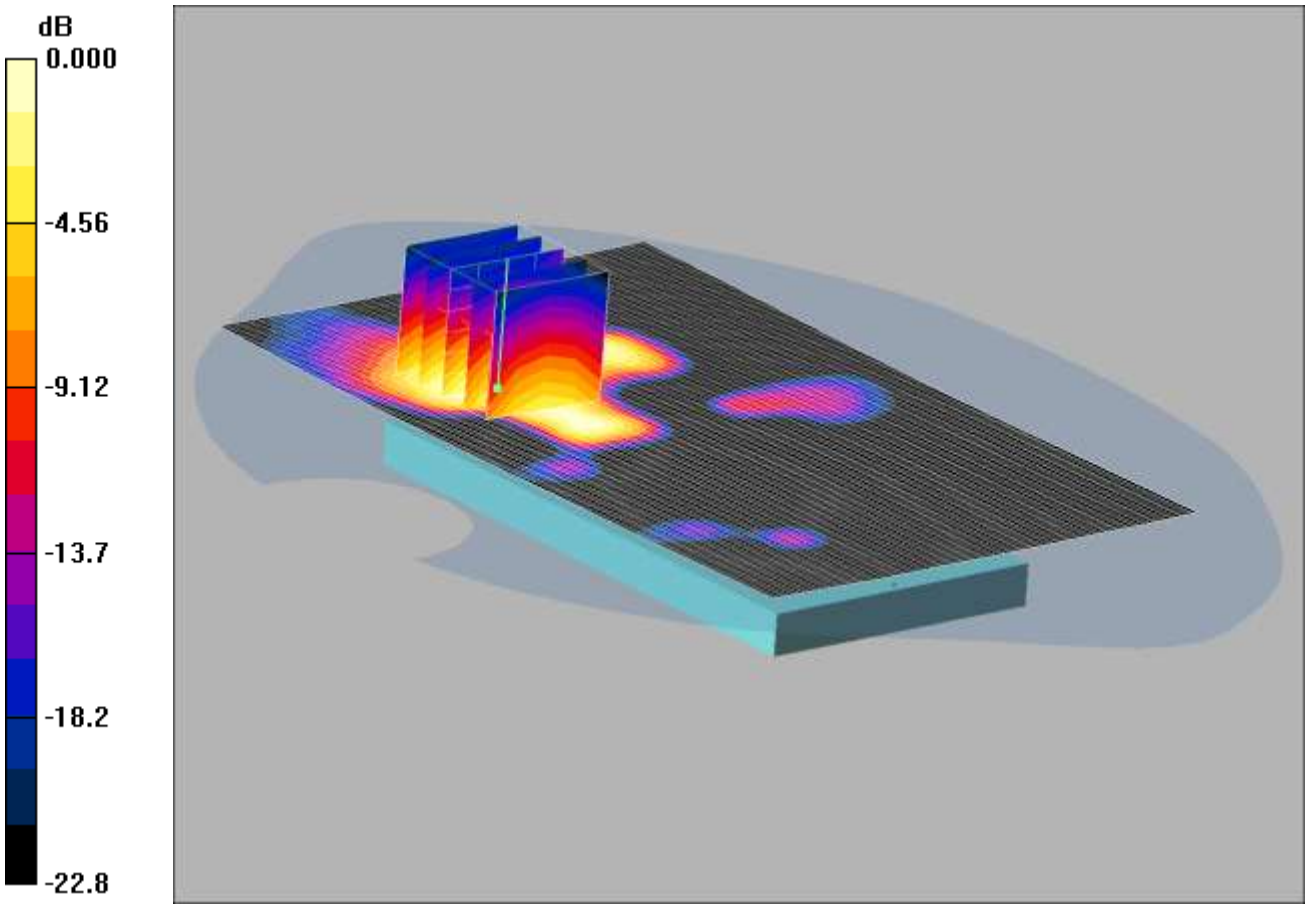


0 dB = 0.076mW/g

Communication System: WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2412 MHz; σ = 2 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Back of EUT Facing Phantom- Low/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.077 mW/g
Back of EUT Facing Phantom- Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.89 V/m; Power Drift = 0.134 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.076 mW/g

SCN/90579JD02/110: Back of EUT Facing Phantom WiFi 802.11b 11Mpbs CH11
Date 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

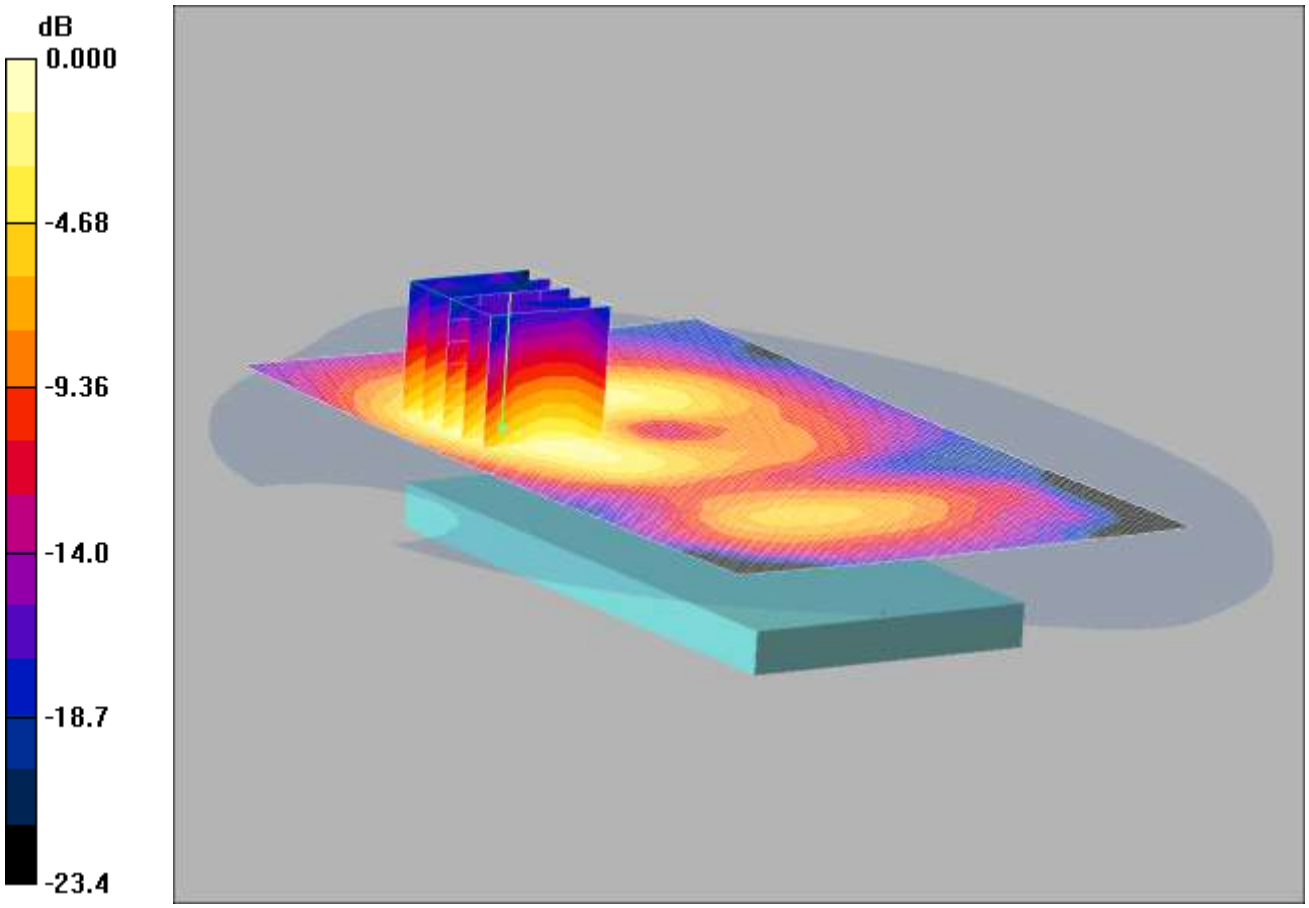


0 dB = 0.280mW/g

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.05 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Back of EUT Facing Phantom- High/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.336 mW/g
Back of EUT Facing Phantom- High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.95 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.124 mW/g
Maximum value of SAR (measured) = 0.280 mW/g

SCN/90579JD02/111: Back of EUT Facing Phantom at 15mm WiFi 802.11b 11Mpbs CH11
Date 07/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

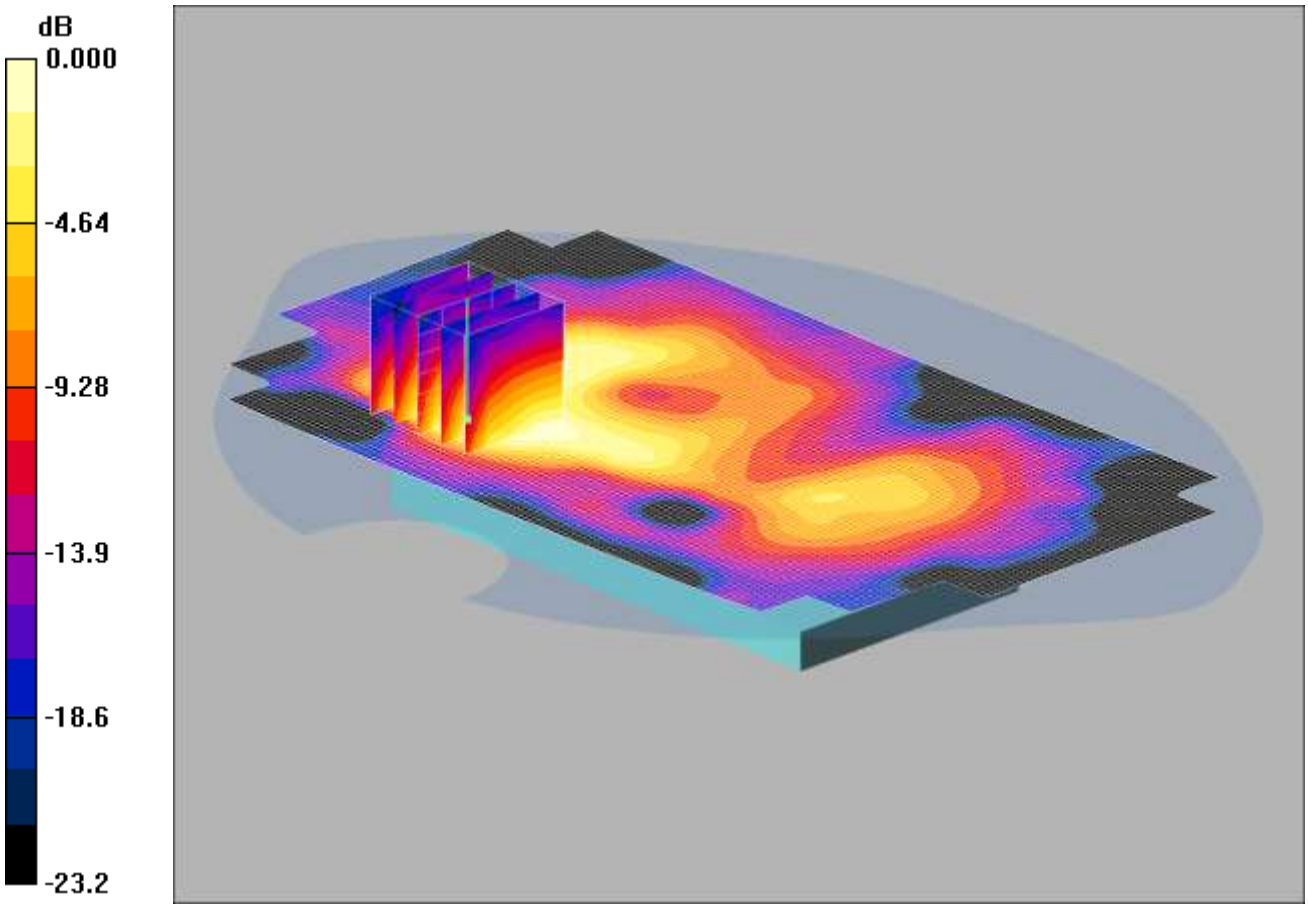


0 dB = 0.107mW/g

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.05 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Back of EUT Facing Phantom at 15mm - High/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.103 mW/g
Back of EUT Facing Phantom at 15mm - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.37 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.107 mW/g

SCN/90579JD02/112: Back of EUT Facing Phantom with PHF at 15mm WiFi 802.11b 11Mpbs CH11
Date: 08/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina SAR 3; Serial: CB5A1M518Z

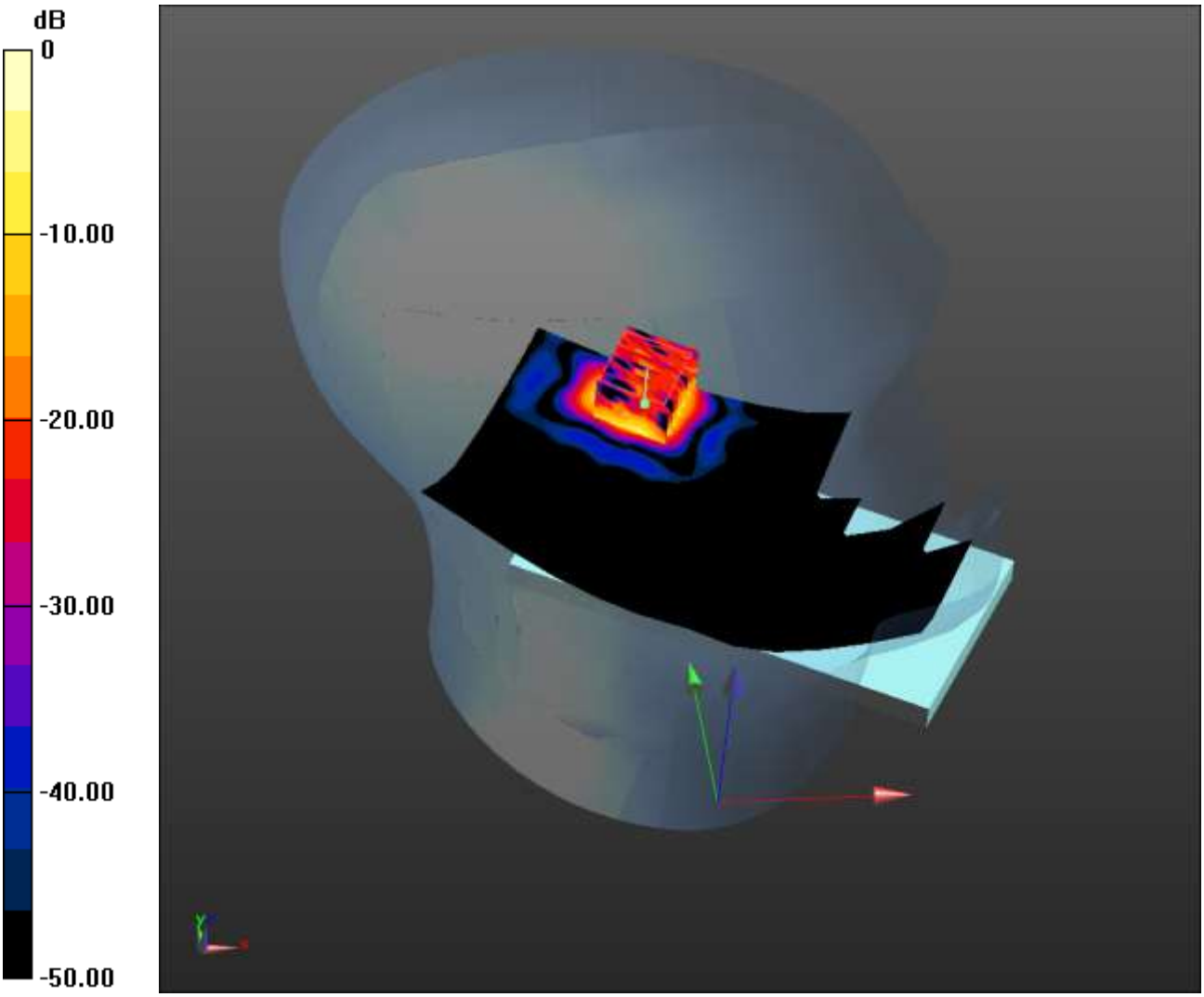


0 dB = 0.095mW/g

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.05 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Back of EUT Facing Phantom with PHF at 15mm - High/Area Scan (91x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.150 mW/g
Back of EUT Facing Phantom with PHF at 15mm - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.43 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.048 mW/g
Maximum value of SAR (measured) = 0.095 mW/g

SCN/90579JD02/113: Touch Left Wi-Fi 5.0GHz 802.11a 6Mbps CH36
Date: 09/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190



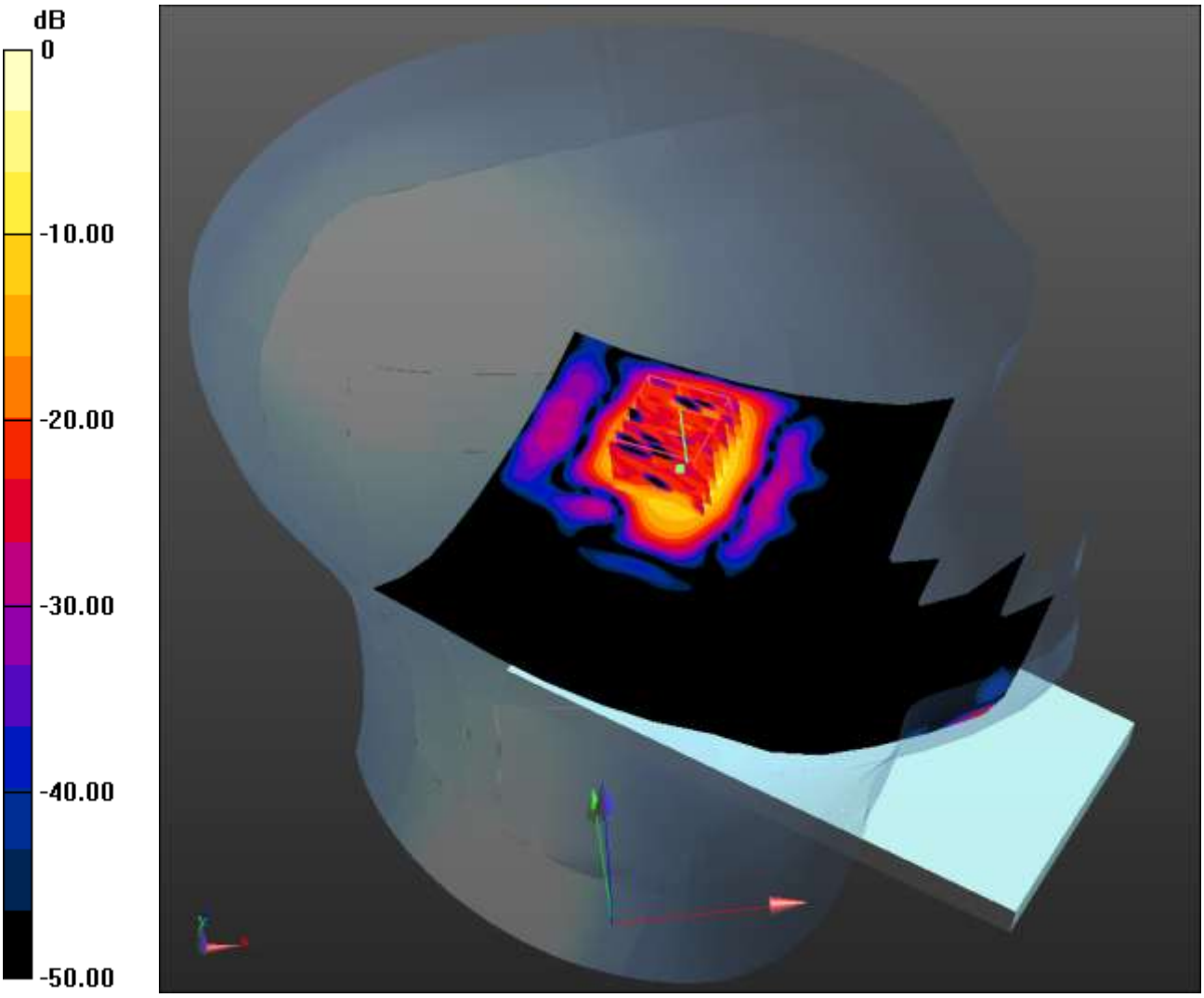
0 dB = 0.327 W/kg = -4.85 dBW/kg

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5180 MHz; σ = 4.658 mho/m; ε_r = 35.354; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(5.06, 5.06, 5.06); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle 2 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.327 W/kg

Configuration/Touch Left - Middle 2 2/Zoom Scan (7x7x9) 2 2 2 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.145 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.790 W/kg

SCN/90579JD02/114: Tilt Left Wi-Fi 5.0GHz 802.11a 6Mbps CH36
Date: 09/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

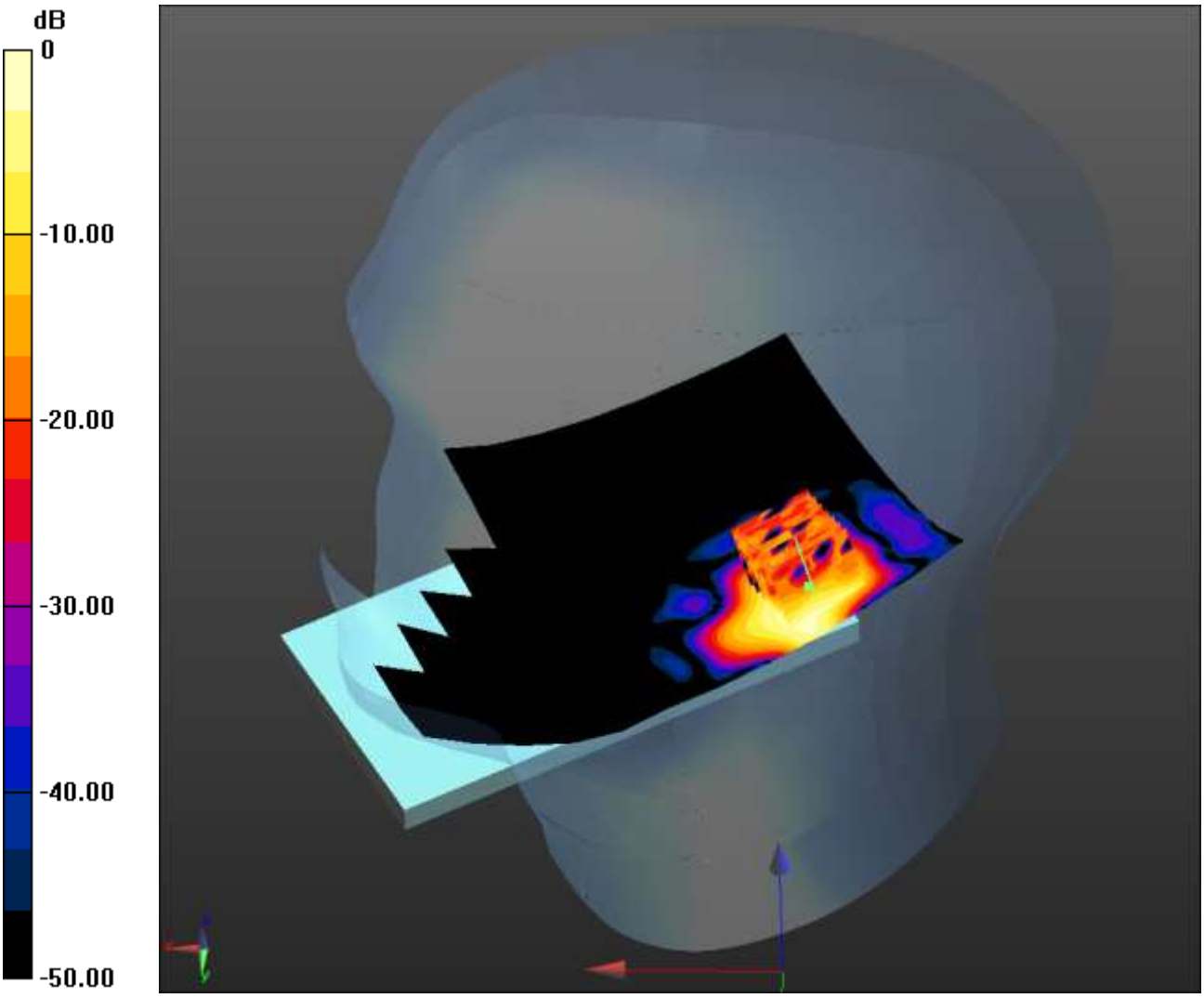


0 dB = 0.316 W/kg = -5.00 dBW/kg

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5180 MHz; σ = 4.658 mho/m; ε_r = 35.354; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(5.06, 5.06, 5.06); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Left - Middle 2/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.109 W/kg
Configuration/Tilt Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.649 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.647 W/kg
SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.041 W/kg
Maximum value of SAR (measured) = 0.316 W/kg

SCN/90579JD02/115: Touch Right Wi-Fi 5.0GHz 802.11a 6Mbps CH36
Date: 09/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

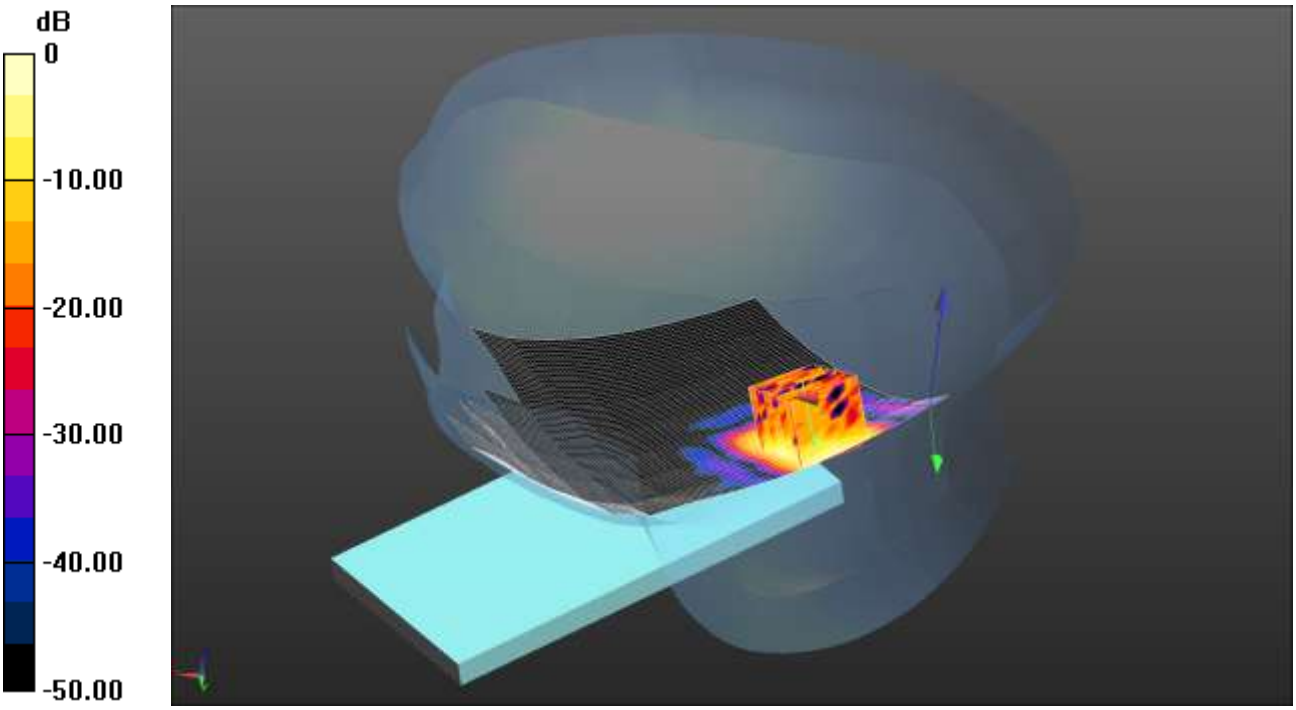


0 dB = 0.115 W/kg = -9.39 dBW/kg

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5180 MHz; σ = 4.658 mho/m; ε_r = 35.354; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(5.06, 5.06, 5.06); Calibrated: 24/09/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Right - Middle/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.194 W/kg
Configuration/Touch Right - Middle/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.079 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.190 W/kg
SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.115 W/kg

SCN/90579JD02/116: Tilt Right Wi-Fi 5.0GHz 802.11a 6Mbps CH36
Date: 10/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

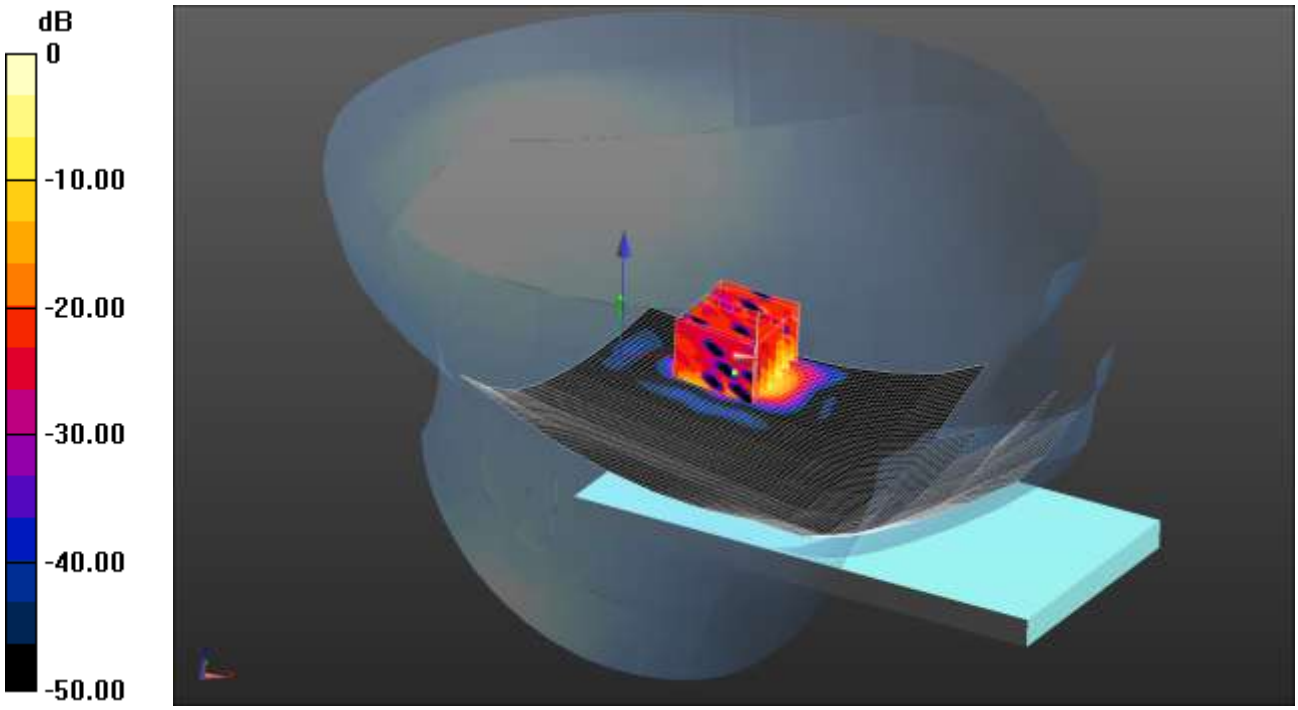


0 dB = 0.0806 W/kg = -10.94 dBW/kg

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5180 MHz; σ = 4.658 mho/m; ε_r = 35.354; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(5.06, 5.06, 5.06); Calibrated: 24/09/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Tilt Right - Middle 2 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.150 W/kg
Configuration/Tilt Right - Middle 2 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.451 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.230 W/kg
SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.012 W/kg
Maximum value of SAR (measured) = 0.0806 W/kg

SCN/90579JD02/117: Touch Left Wi-Fi 5.0GHz 802.11a 6Mbps CH64
Date: 10/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

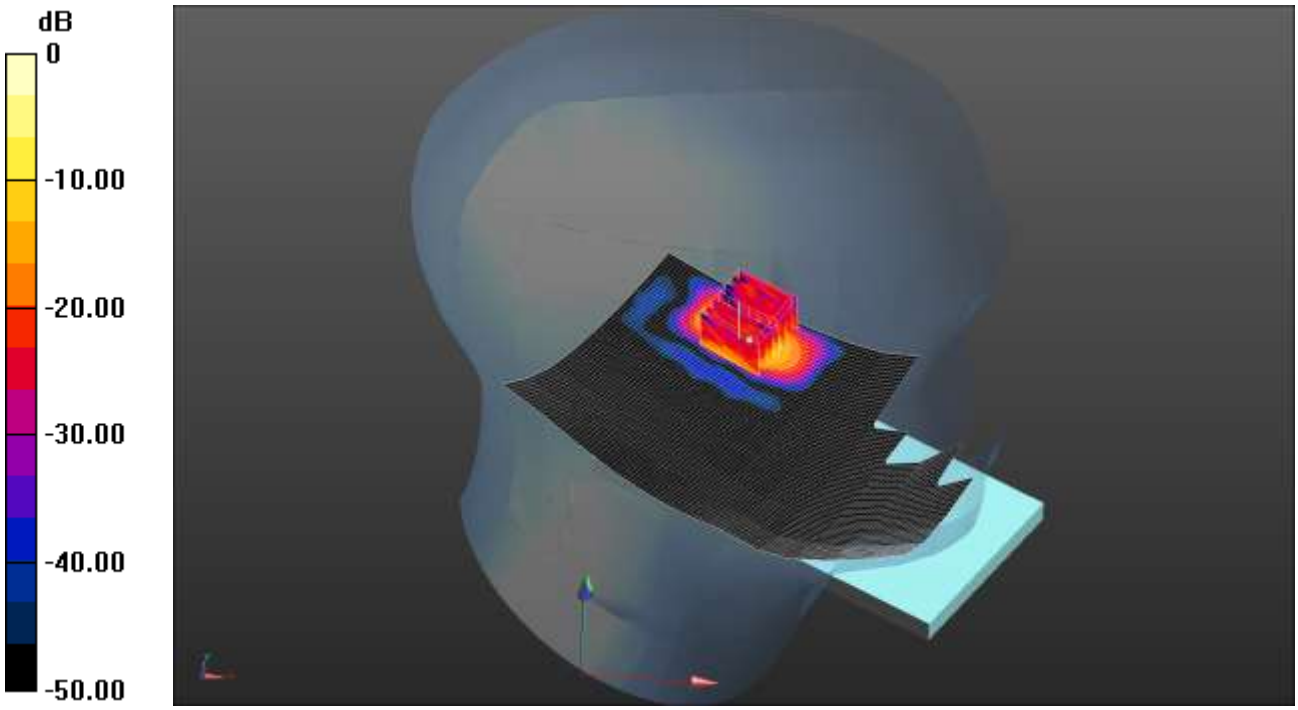


0 dB = 0.379 W/kg = -4.21 dBW/kg

Communication System: WLAN 802.11a UNII; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5320 MHz; σ = 4.808 mho/m; ε_r = 35.087; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.73, 4.73, 4.73); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle 2 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0948 W/kg
Configuration/Touch Left - Middle 2 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.846 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.605 W/kg
SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.032 W/kg
Maximum value of SAR (measured) = 0.379 W/kg

SCN/90579JD02/118: Touch Left Wi-Fi 5.0GHz 802.11a 6Mbps CH136
Date: 10/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

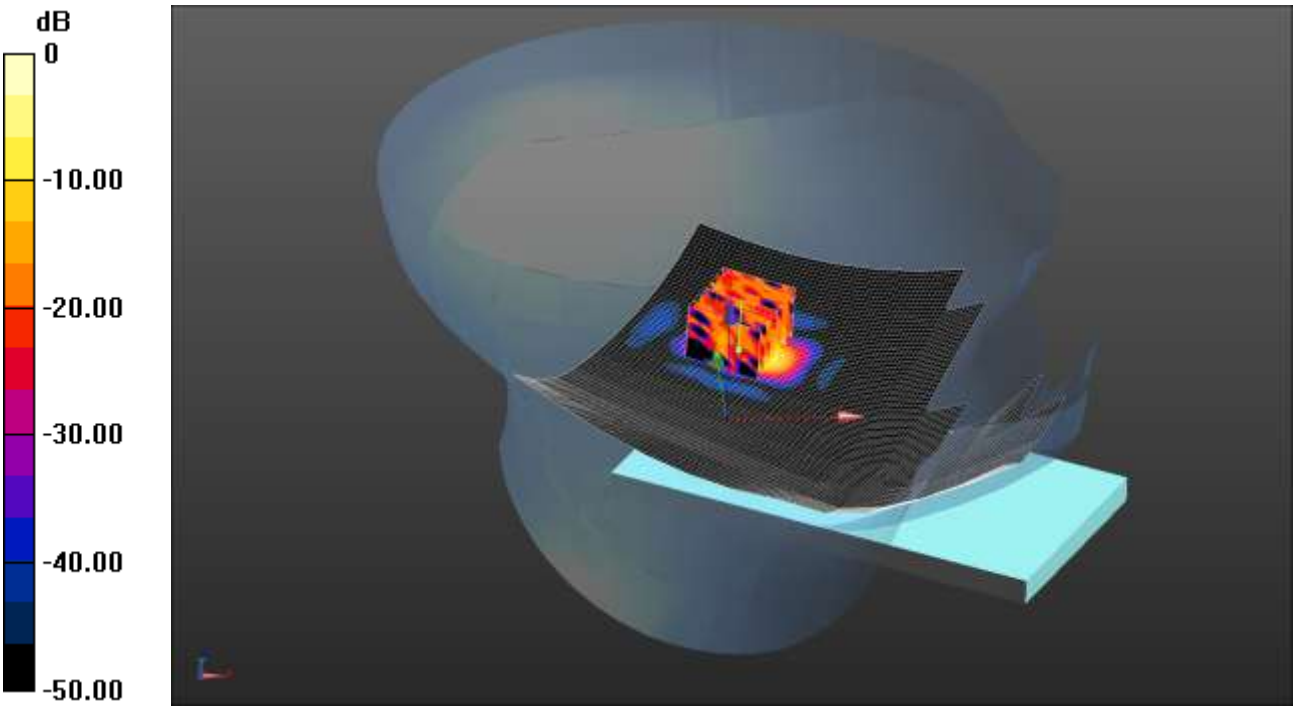


0 dB = 0.885 W/kg = -0.53 dBW/kg

Communication System: WLAN 802.11a UNII; Frequency: 5680 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5680 MHz; σ = 5.205 mho/m; ε_r = 34.591; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.26, 4.26, 4.26); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.354 W/kg
Configuration/Touch Left - Middle/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.048 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.095 W/kg
Maximum value of SAR (measured) = 0.885 W/kg

SCN/90579JD02/119: Touch Left Wi-Fi 5.0GHz 802.11a 6Mbps CH157
Date: 10/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

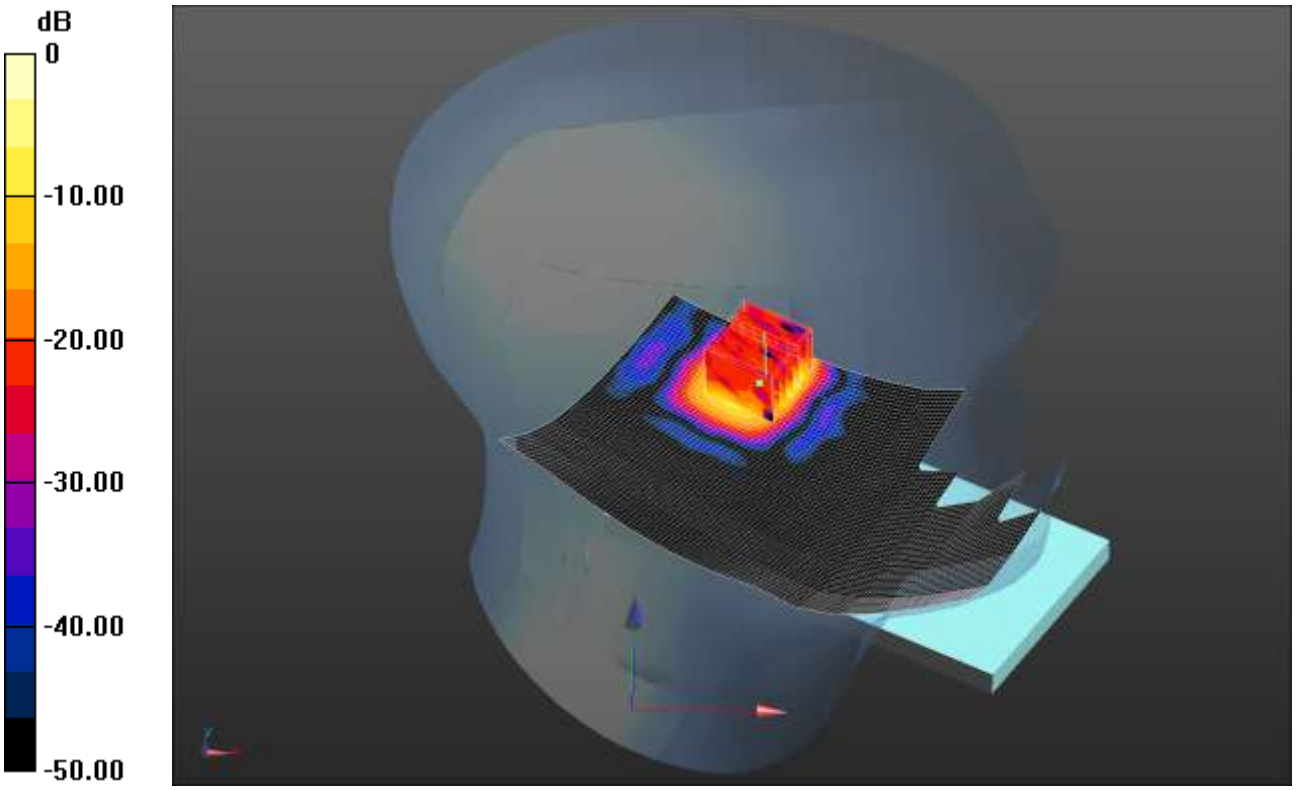


0 dB = 0.197 W/kg = -7.06 dBW/kg

Communication System: WLAN 802.11a UNII; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5785 MHz; σ = 5.325 mho/m; ε_r = 34.441; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.5, 4.5, 4.5); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle/Area Scan (91x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0631 W/kg
Configuration/Touch Left - Middle/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.294 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.509 W/kg
SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.020 W/kg
Maximum value of SAR (measured) = 0.197 W/kg

SCN/90579JD02/120: Touch Left Wi-Fi 5.0GHz 802.11n HT40 13.5Mbps CH38
Date: 14/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

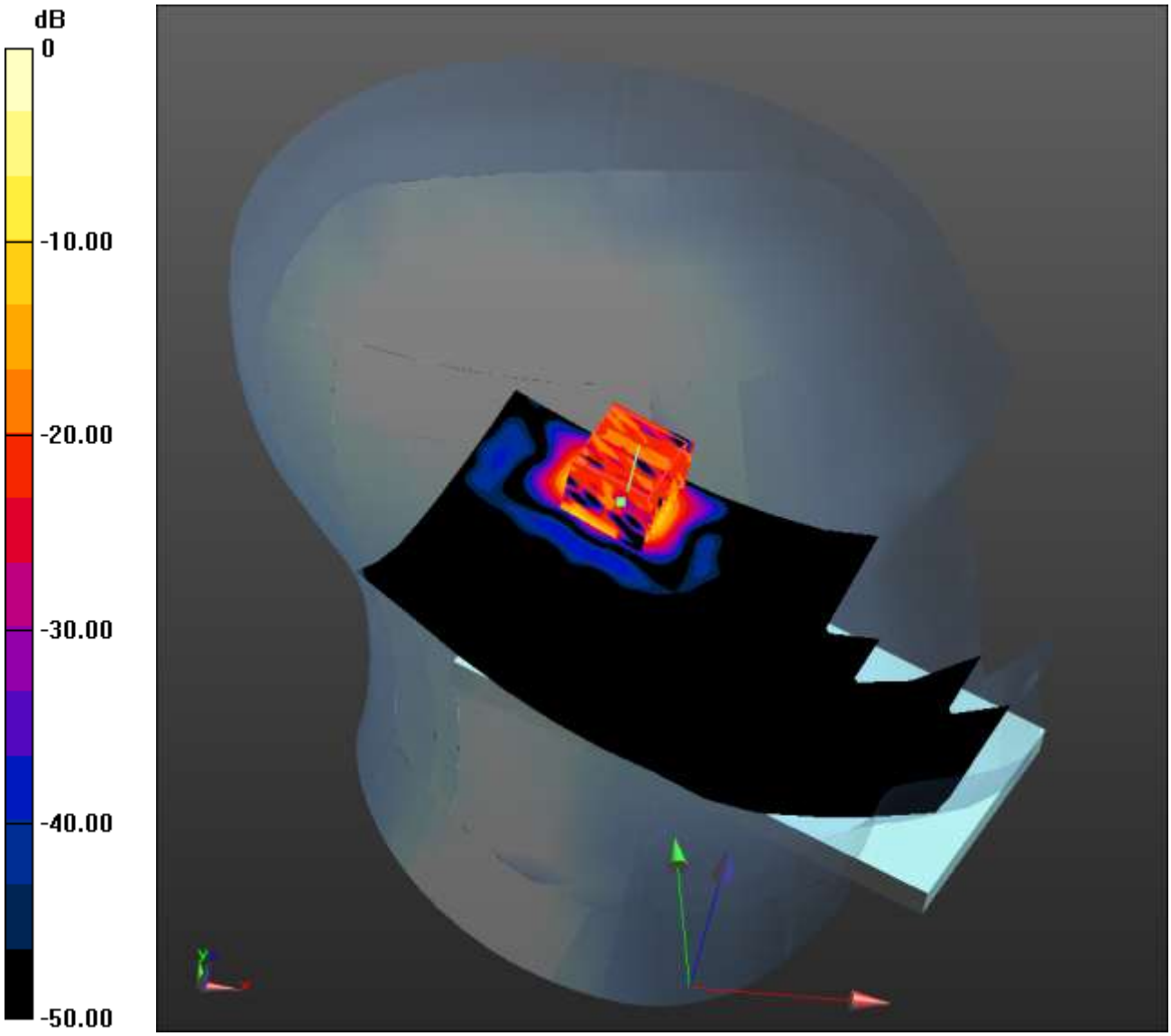


0 dB = 0.527 W/kg = -2.78 dBW/kg

Communication System: WLAN 802.11; Frequency: 5190 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5190 MHz; σ = 4.625 mho/m; ε_r = 35.182; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(5.06, 5.06, 5.06); Calibrated: 24/09/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.503 W/kg
Configuration/Touch Left - Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.582 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.527 W/kg

SCN/90579JD02/121: Touch Left Wi-Fi 5.0GHz 802.11n HT40 13.5Mbps CH54
Date: 14/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

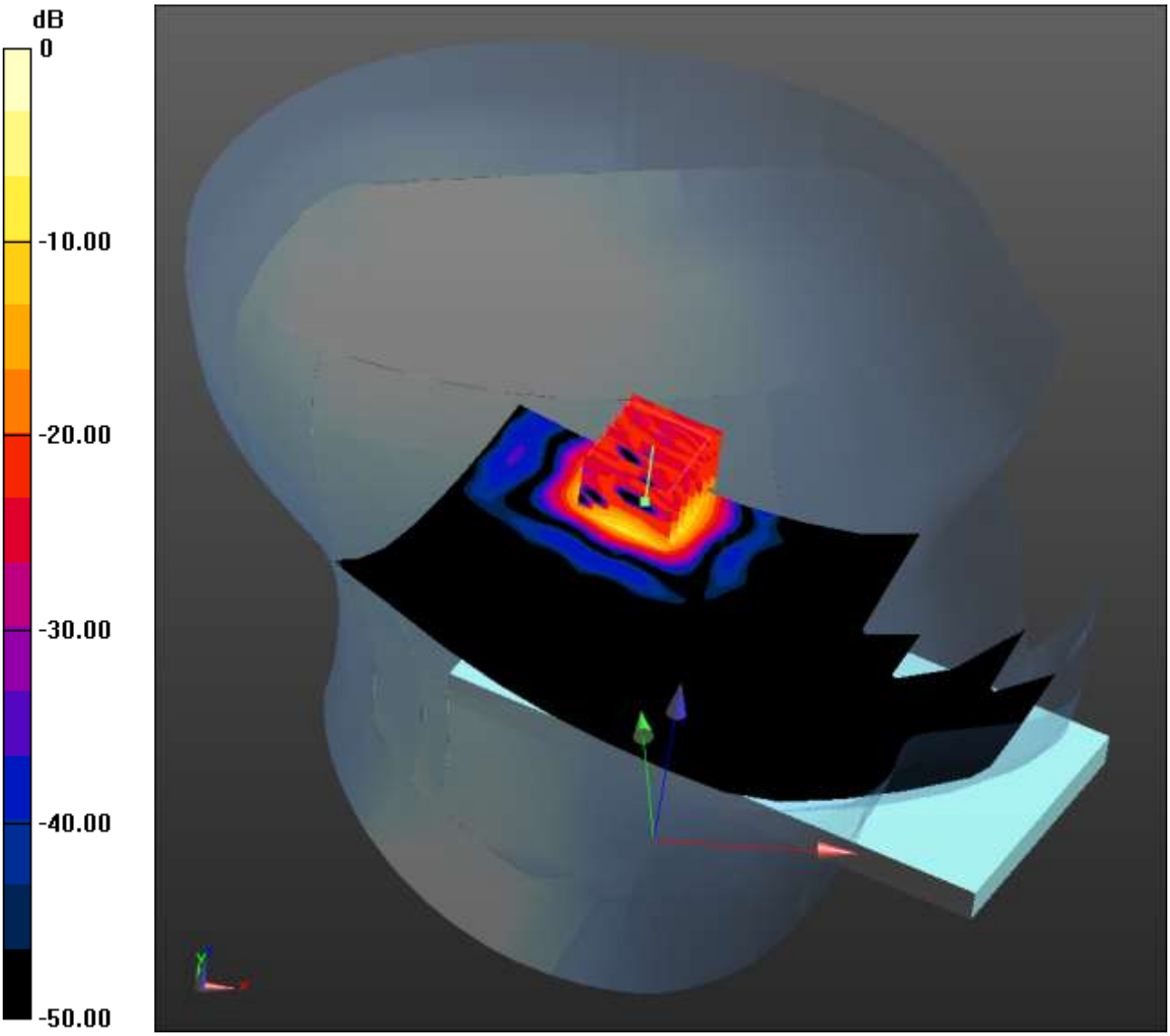


0 dB = 0.314 W/kg = -5.03 dBW/kg

Communication System: WLAN 802.11; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5270 MHz; σ = 4.701 mho/m; ε_r = 34.968; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.73, 4.73, 4.73); Calibrated: 24/09/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.199 W/kg
Configuration/Touch Left - Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.727 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.544 W/kg
SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.314 W/kg

SCN/90579JD02/122: Touch Left Wi-Fi 5.0GHz 802.11n HT40 13.5Mbps CH126
Date: 14/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

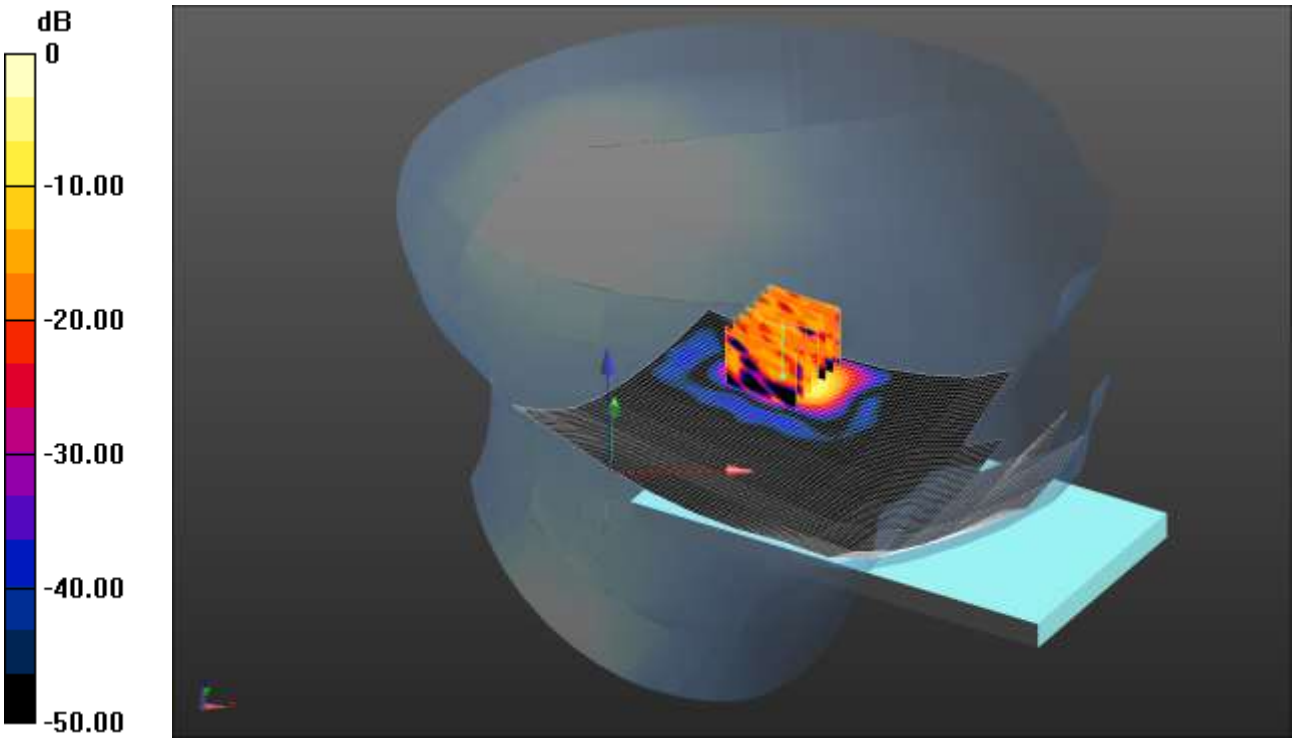


0 dB = 0.668 W/kg = -1.75 dBW/kg

Communication System: WLAN 802.11; Frequency: 5630 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5630 MHz; σ = 5.036 mho/m; ε_r = 34.312; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.26, 4.26, 4.26); Calibrated: 24/09/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.902 W/kg
Configuration/Touch Left - Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.269 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.668 W/kg

SCN/90579JD02/123: Touch Left Wi-Fi 5.0GHz 802.11n HT40 13.5Mbps CH159
Date: 14/01/2013
DUT: Sony Yuga Gina; Type: Yuga Gina; Serial: CB5A1M5190

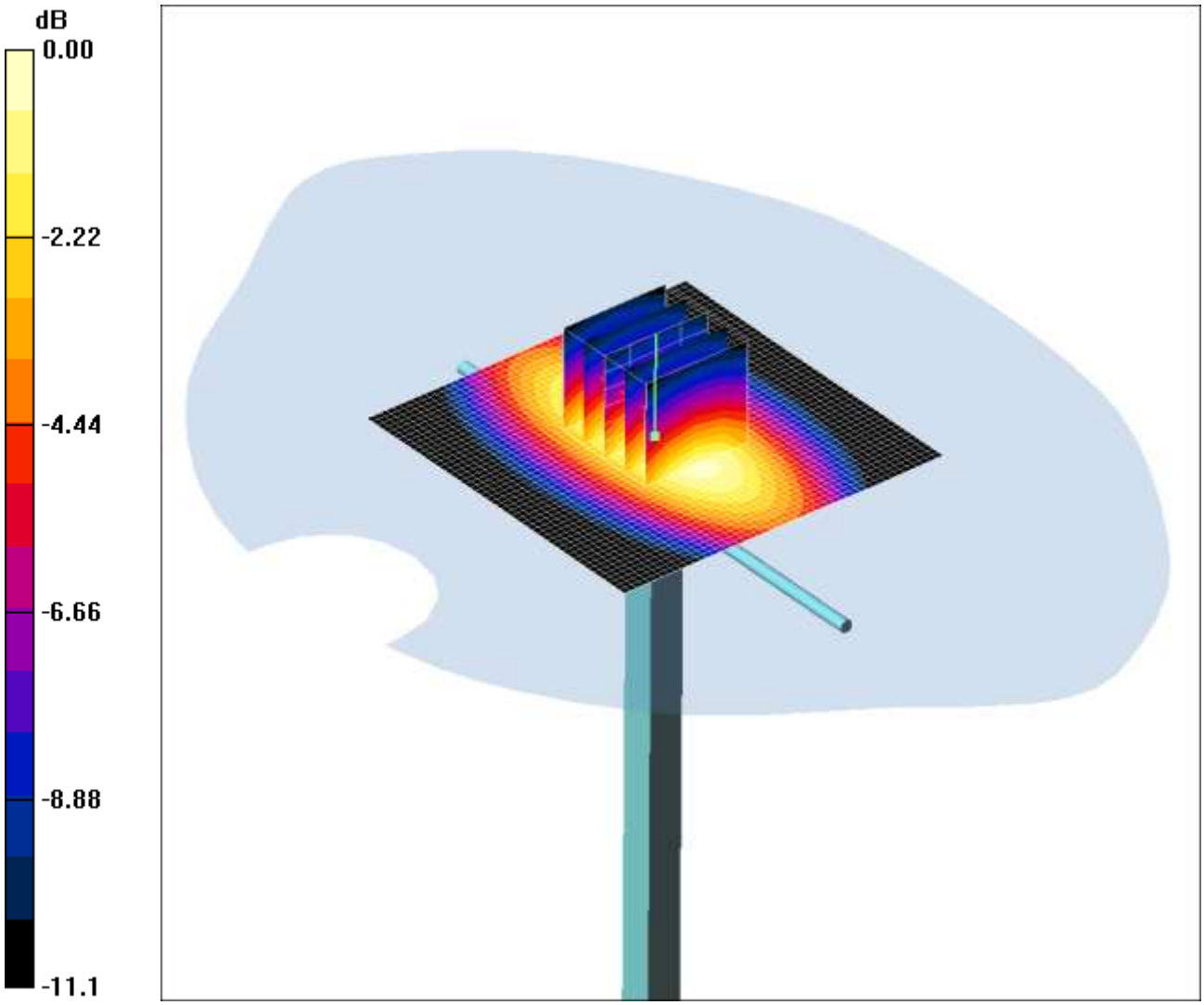


0 dB = 0.135 W/kg = -8.70 dBW/kg

Communication System: WLAN 802.11; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used (interpolated): f = 5795 MHz; σ = 5.213 mho/m; ε_r = 34.023; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.5, 4.5, 4.5); Calibrated: 24/09/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/Touch Left - Middle 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0832 W/kg
Configuration/Touch Left - Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.316 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.00618 W/kg
Maximum value of SAR (measured) = 0.135 W/kg

SCN/90579JD02/124: System Performance Check 900MHz Head 17 12 12
Date: 09/01/2013
DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035

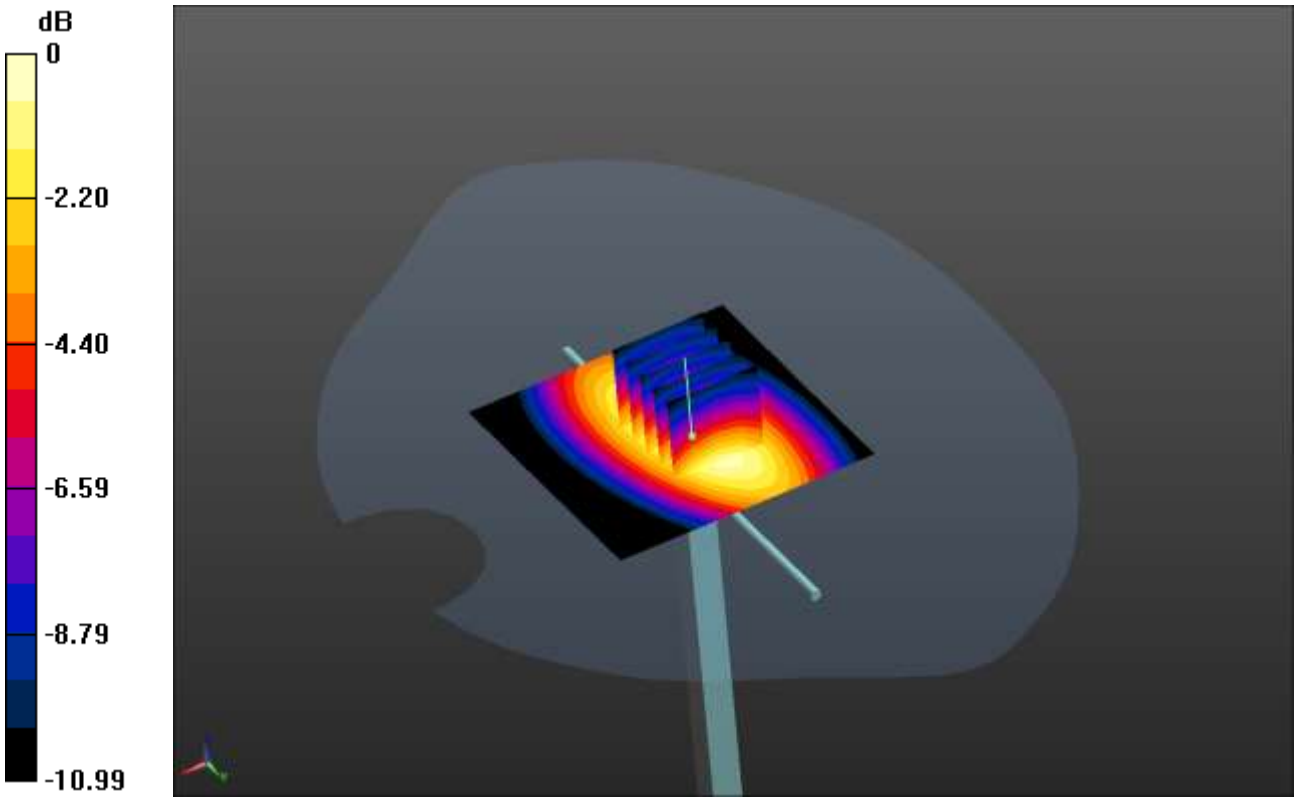


0 dB = 2.80mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.952 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(6.18, 6.18, 6.18); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 145

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.80 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.5 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 3.74 W/kg
SAR(1 g) = 2.57 mW/g; SAR(10 g) = 1.66 mW/g
Maximum value of SAR (measured) = 2.80 mW/g

SCN/90579JD02/125: System Performance Check 900 MHz Head 18 12 12
Date: 18/12/2012
DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:035

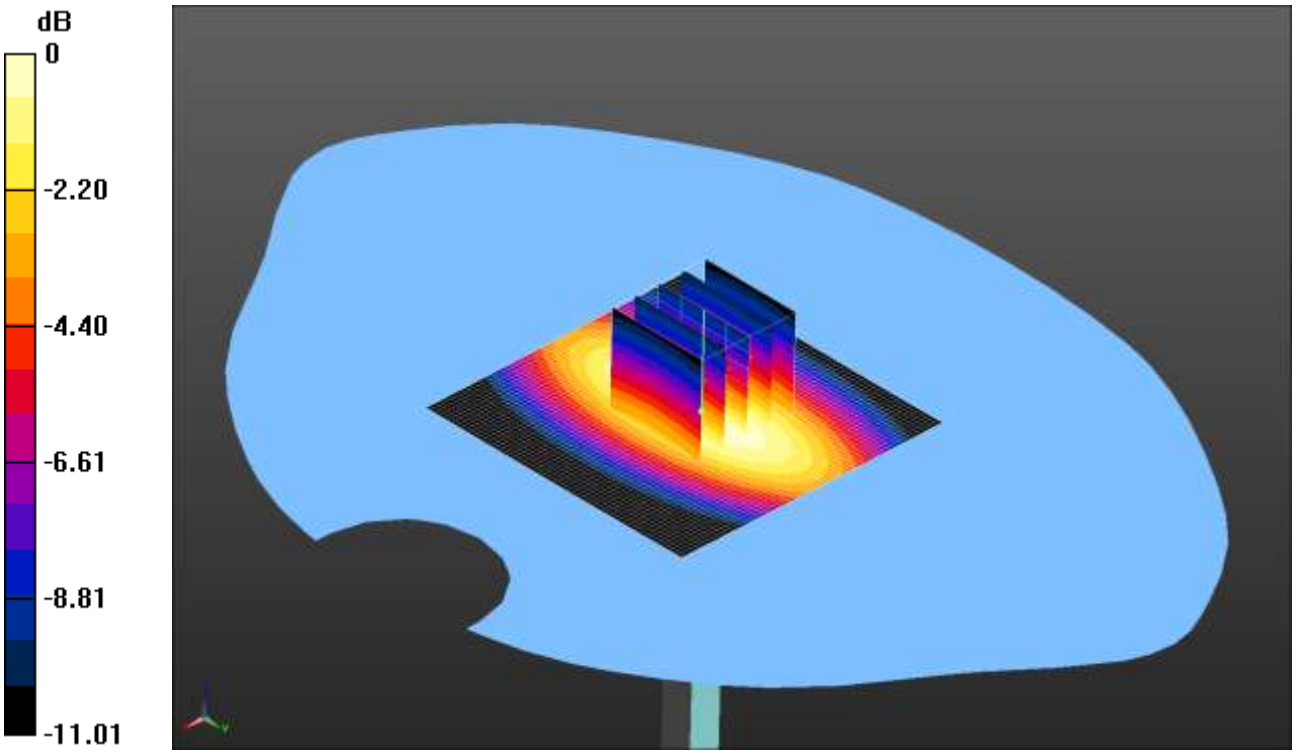


0 dB = 2.79 W/kg = 4.46 dBW/kg

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.977 mho/m; ε_r = 42.717; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.95, 5.95, 5.95); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

SAR/d=15mm, Pin=250 mW, dist=15.0mm (ET-Probe) 2 2 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.81 W/kg
SAR/d=15mm, Pin=250 mW, dist=15.0mm (ET-Probe) 2 2 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.906 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.67 W/kg
Maximum value of SAR (measured) = 2.79 W/kg

SCN/90579JD02/126: System Performance Check 900 MHz Head 27 12 12
Date: 27/12/2012
DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:035

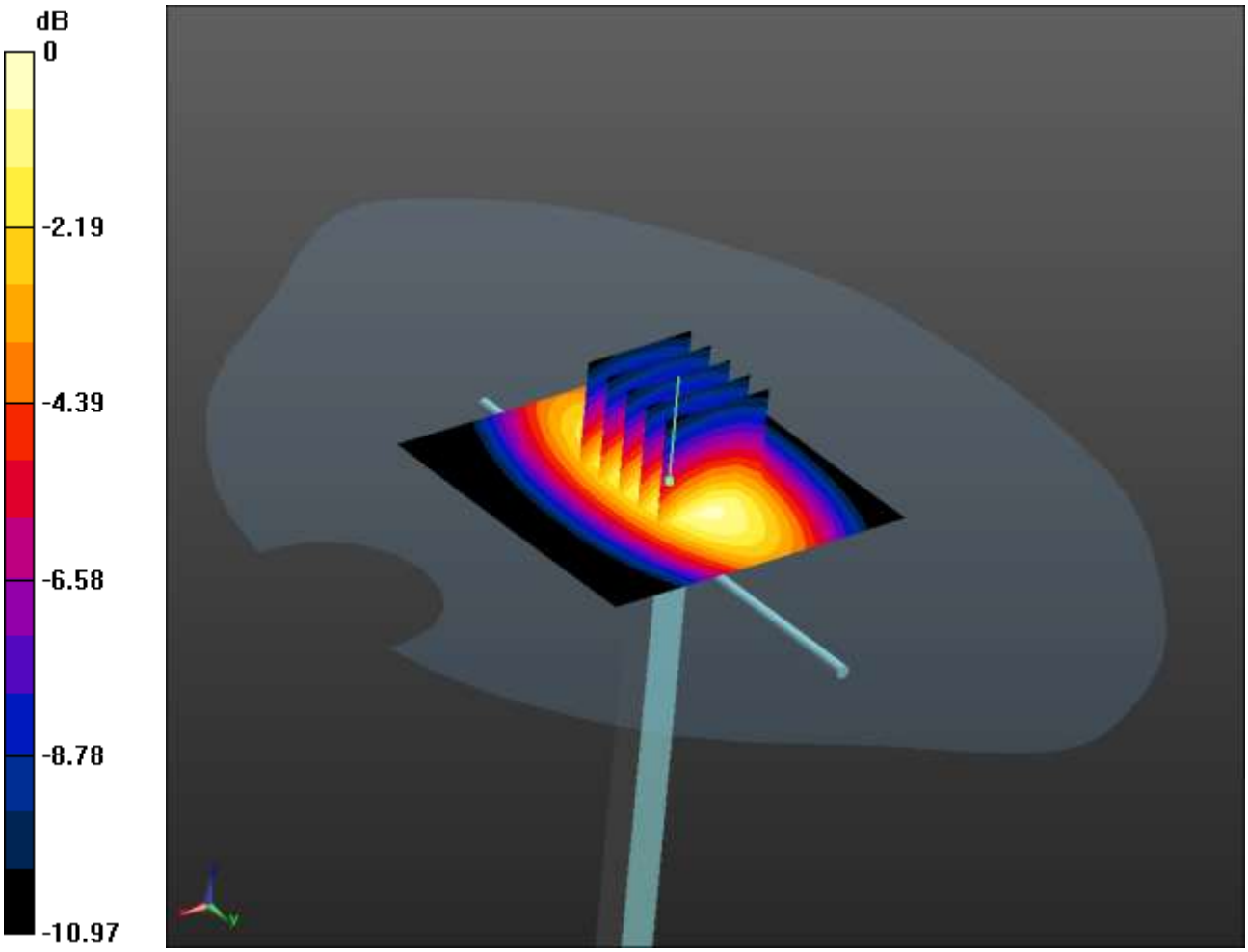


0 dB = 2.95 W/kg = 4.70 dBW/kg

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.939 mho/m; ε_r = 40.343; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.95, 5.95, 5.95); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

SAR/d=15mm, Pin=250 mW, dist=15.0mm (ET-Probe)/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.96 W/kg
SAR/d=15mm, Pin=250 mW, dist=15.0mm (ET-Probe)/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.294 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 4.00 W/kg
SAR(1 g) = 2.72 W/kg; SAR(10 g) = 1.76 W/kg
Maximum value of SAR (measured) = 2.95 W/kg

SCN/90579JD02/127: System Performance Check 900MHz Head 28 12 12
Date: 28/12/2012
DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:035

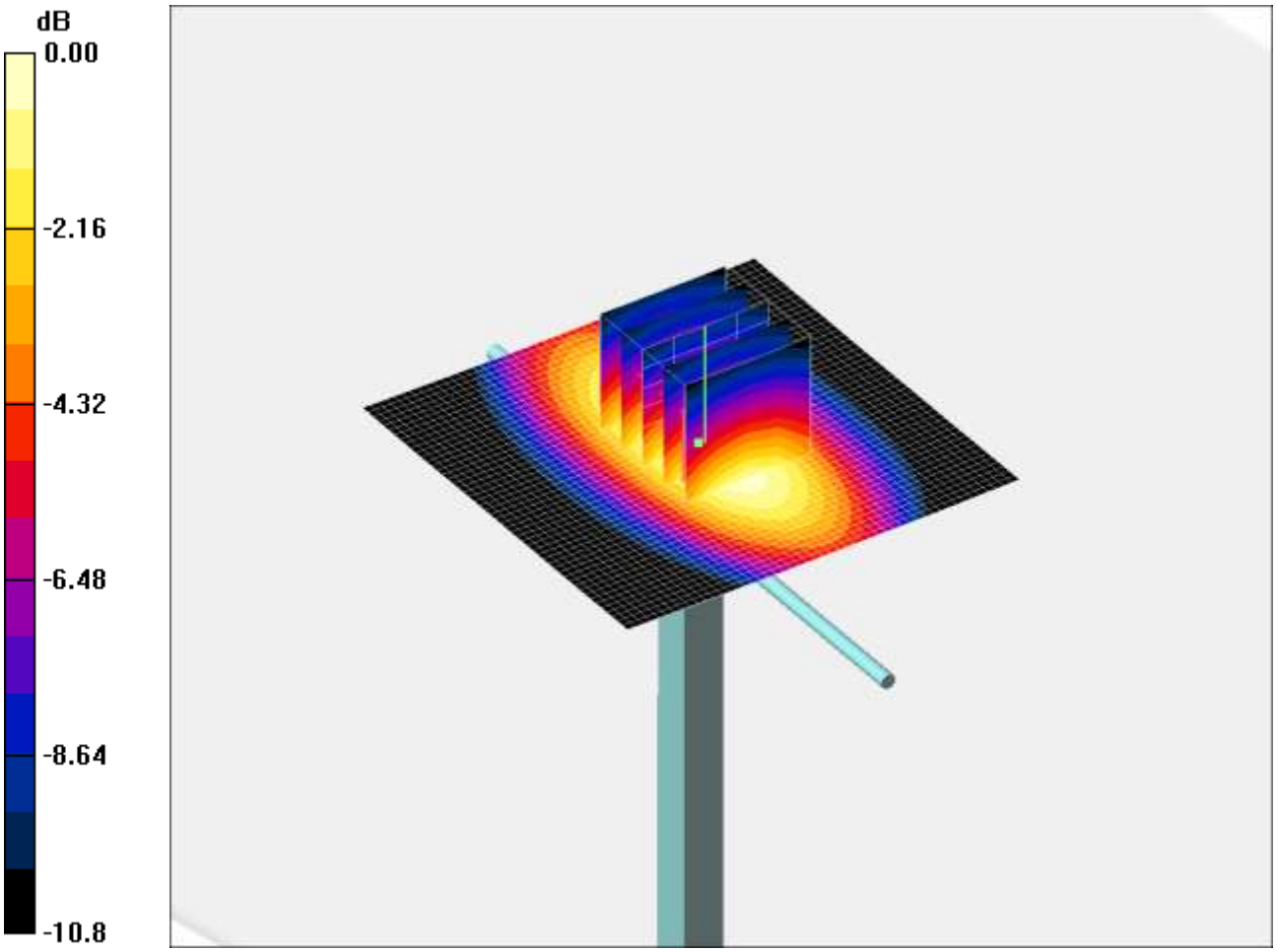


0 dB = 2.92 W/kg = 4.65 dBW/kg

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.939 mho/m; ε_r = 40.343; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.95, 5.95, 5.95); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

SAR/d=15mm, Pin=250 mW, dist=15.0mm (ET-Probe) 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.88 W/kg
SAR/d=15mm, Pin=250 mW, dist=15.0mm (ET-Probe) 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.118 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.96 W/kg
SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.74 W/kg
Maximum value of SAR (measured) = 2.92 W/kg

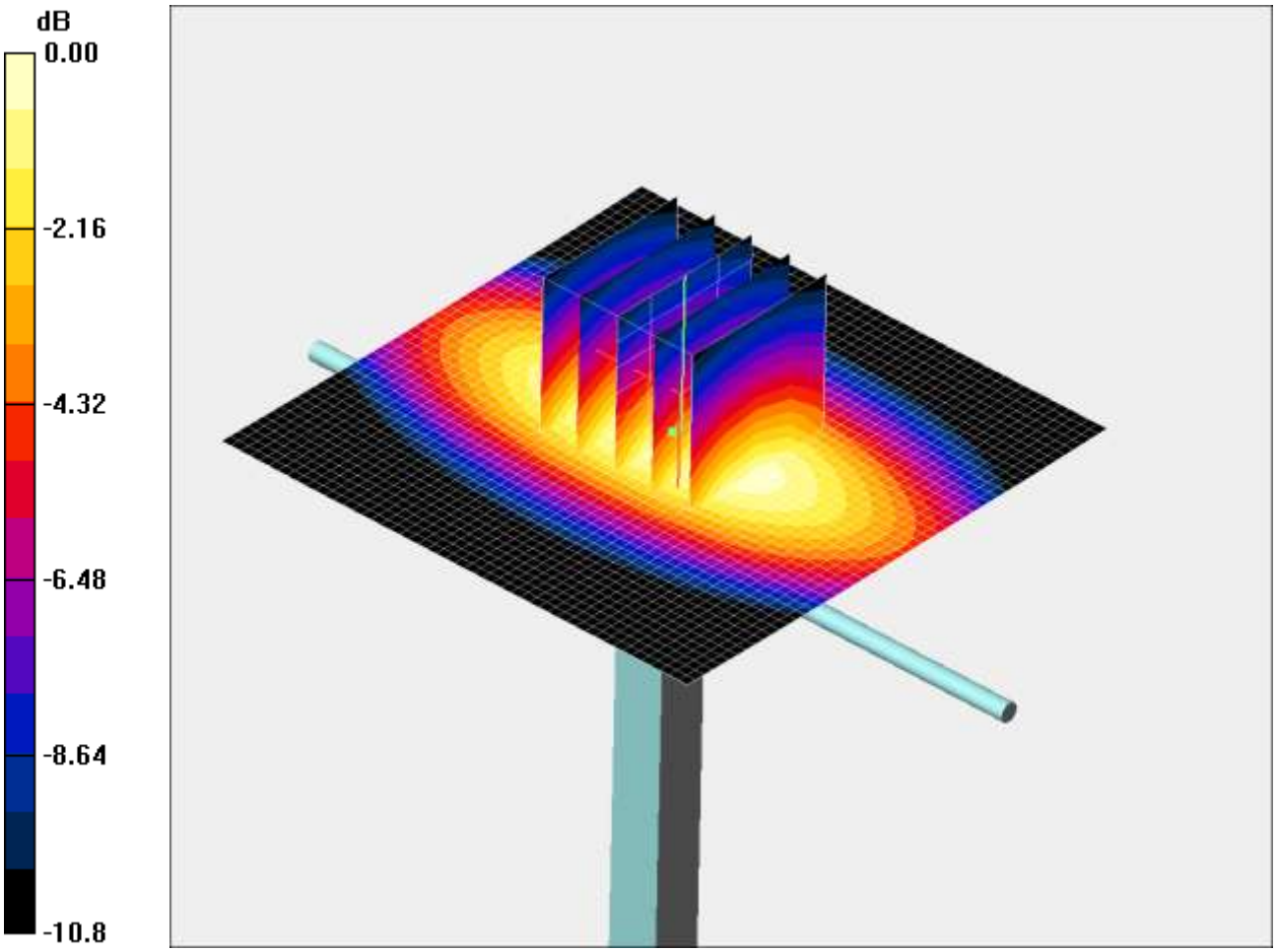
SCN/90579JD02/128: System Performance Check 900MHz Body 19 12 12
Date: 19/12/2012
DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035



0 dB = 2.84mW/g
Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.02 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.11, 6.11, 6.11); Calibrated: 31/08/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=15mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.95 mW/g
d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.9 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 3.91 W/kg
SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.71 mW/g
Maximum value of SAR (measured) = 2.84 mW/g

SCN/90579JD02/129: System Performance Check 900MHz Body 20 12 12
Date: 20/12/2012
DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035

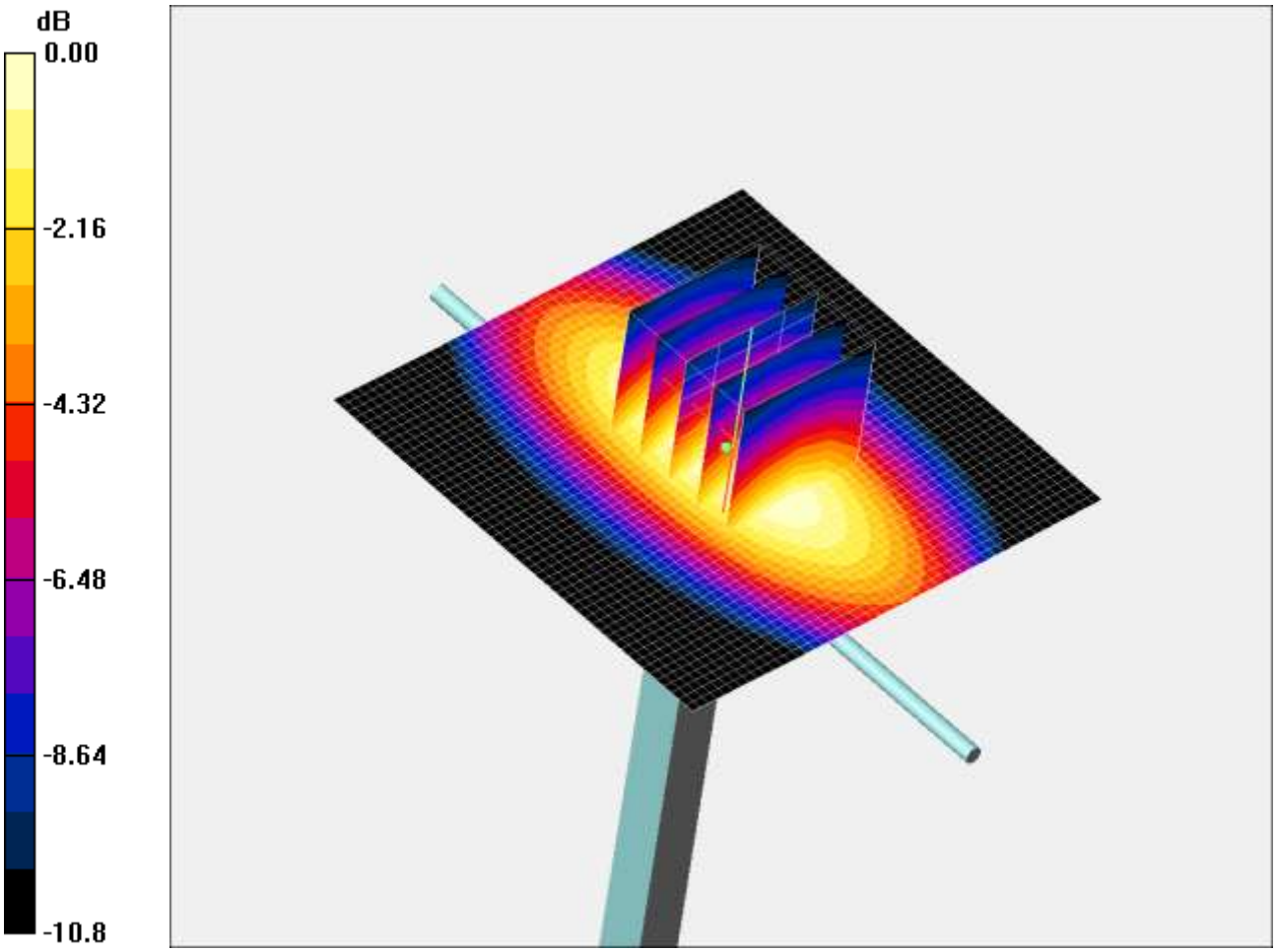


0 dB = 2.78mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.02 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.11, 6.11, 6.11); Calibrated: 31/08/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=15mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.91 mW/g
d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.9 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.85 W/kg
SAR(1 g) = 2.58 mW/g; SAR(10 g) = 1.68 mW/g
Maximum value of SAR (measured) = 2.78 mW/g

SCN/90579JD02/130: System Performance Check 900MHz Body 21 12 12
Date/Time: 21/12/2012
DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035

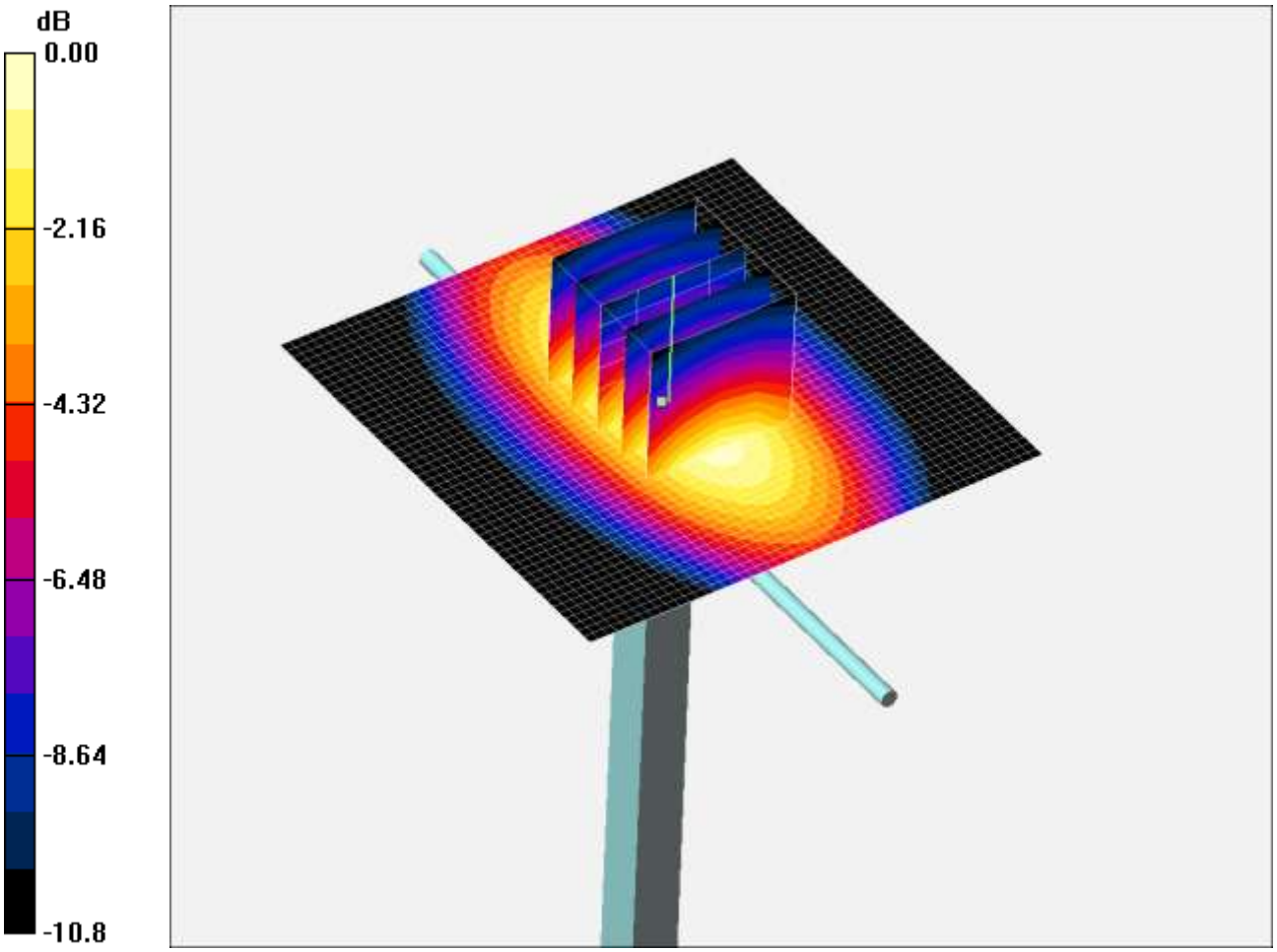


0 dB = 2.80mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.01 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.11, 6.11, 6.11); Calibrated: 31/08/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.94 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.2 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 3.89 W/kg
SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.71 mW/g
Maximum value of SAR (measured) = 2.80 mW/g

SCN/90579JD02/131: System Performance Check 900MHz Body 26 12 12
Date 26/12/2012
DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN: 035

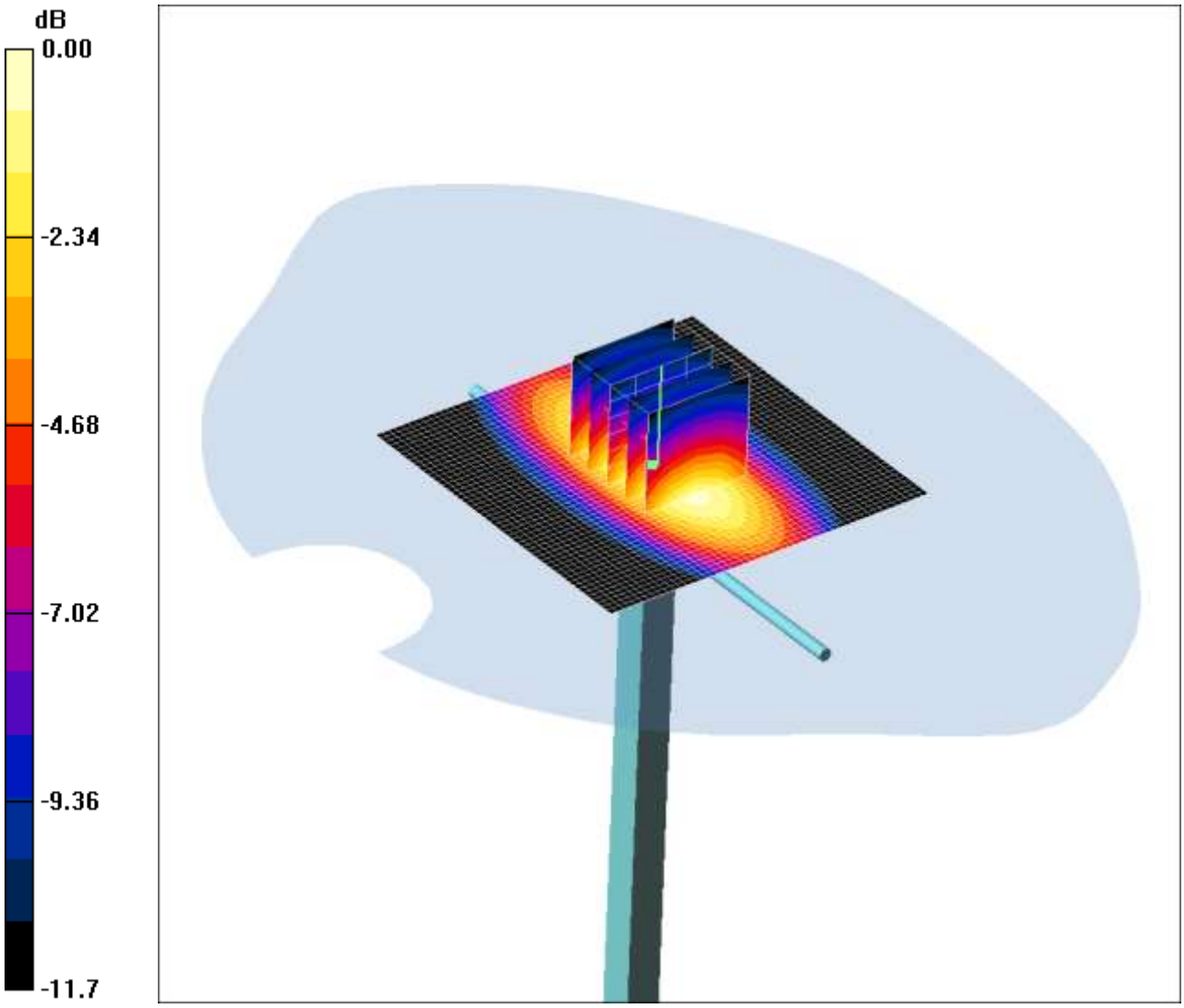


0 dB = 2.79mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.03 mho/m; ε_r = 55.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.11, 6.11, 6.11); Calibrated: 31/08/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.86 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.8 V/m; Power Drift = -0.028 dB
Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 2.57 mW/g; SAR(10 g) = 1.67 mW/g
Maximum value of SAR (measured) = 2.79 mW/g

SCN/90579JD02/132: System Performance Check 900MHz Body 03 01 13
Date 03/01/2013
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

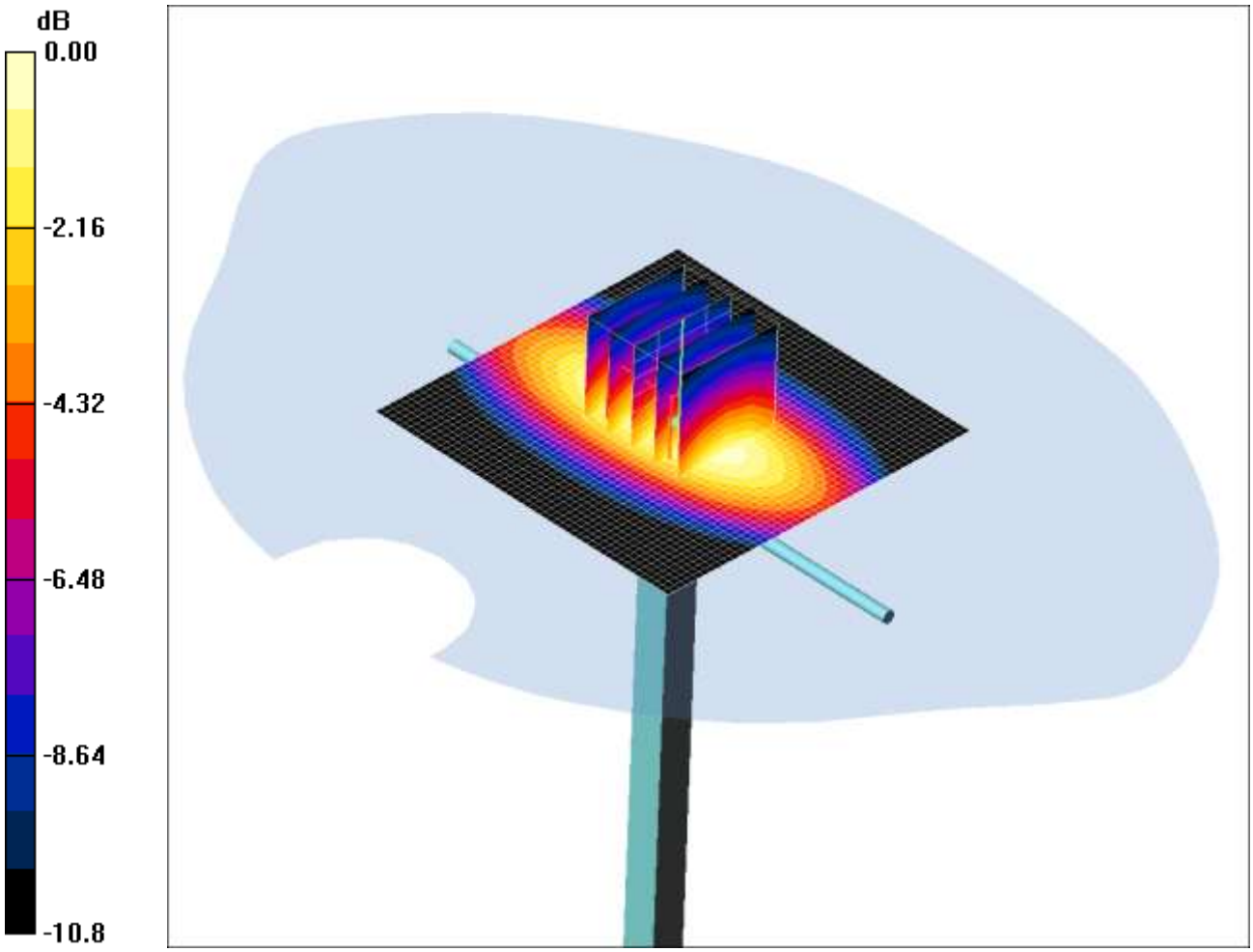


0 dB = 2.98mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.04 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.11, 6.11, 6.11); Calibrated: 31/08/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=15mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.97 mW/g
d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.4 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 4.35 W/kg
SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.66 mW/g
Maximum value of SAR (measured) = 2.98 mW/g

SCN/90579JD02/133: System Performance Check 900MHz Body 04 01 13
Date: 04/01/2013
DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035

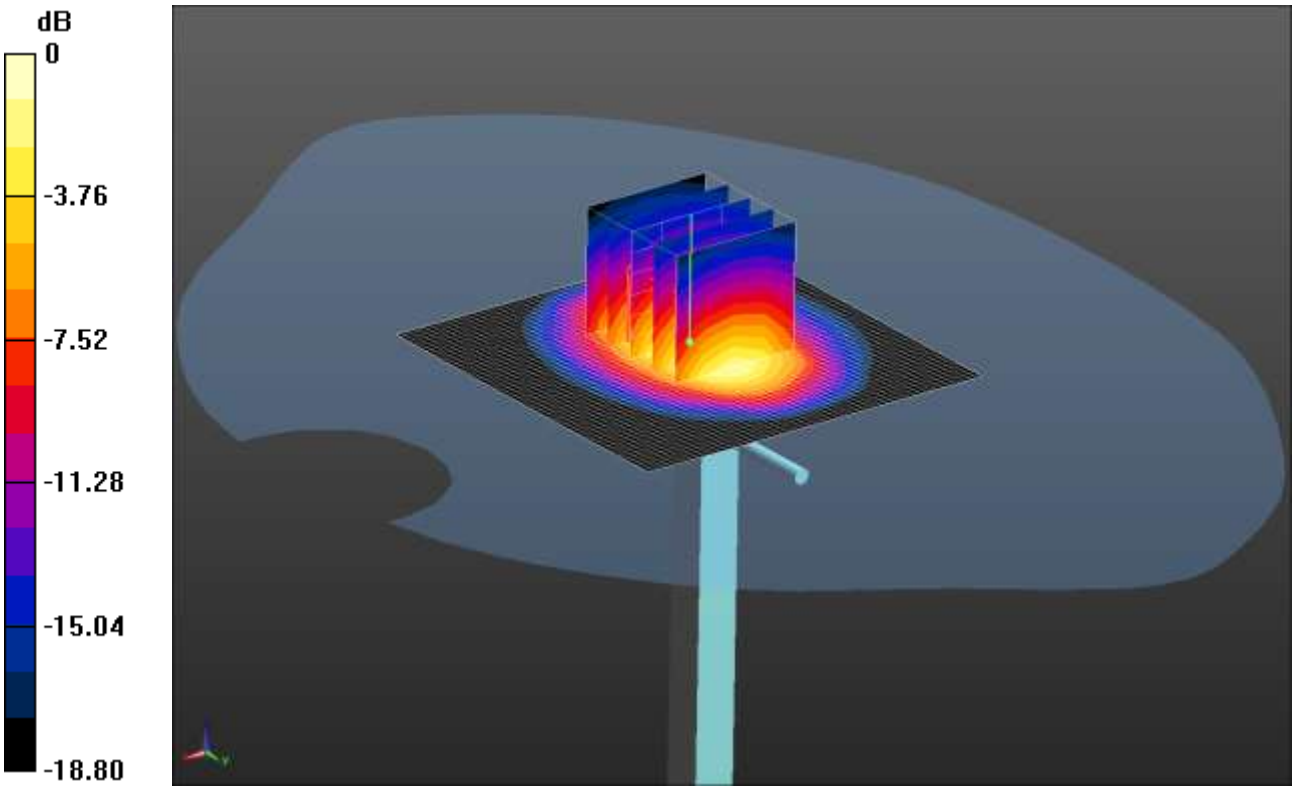


0 dB = 2.99mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.03 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(6.11, 6.11, 6.11); Calibrated: 31/08/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.11 mW/g
d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.0 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 4.10 W/kg
SAR(1 g) = 2.77 mW/g; SAR(10 g) = 1.8 mW/g
Maximum value of SAR (measured) = 2.99 mW/g

SCN/90579JD02/134: System Performance Check 1900MHz Head 19 12 12
Date: 19/12/2012
DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:537

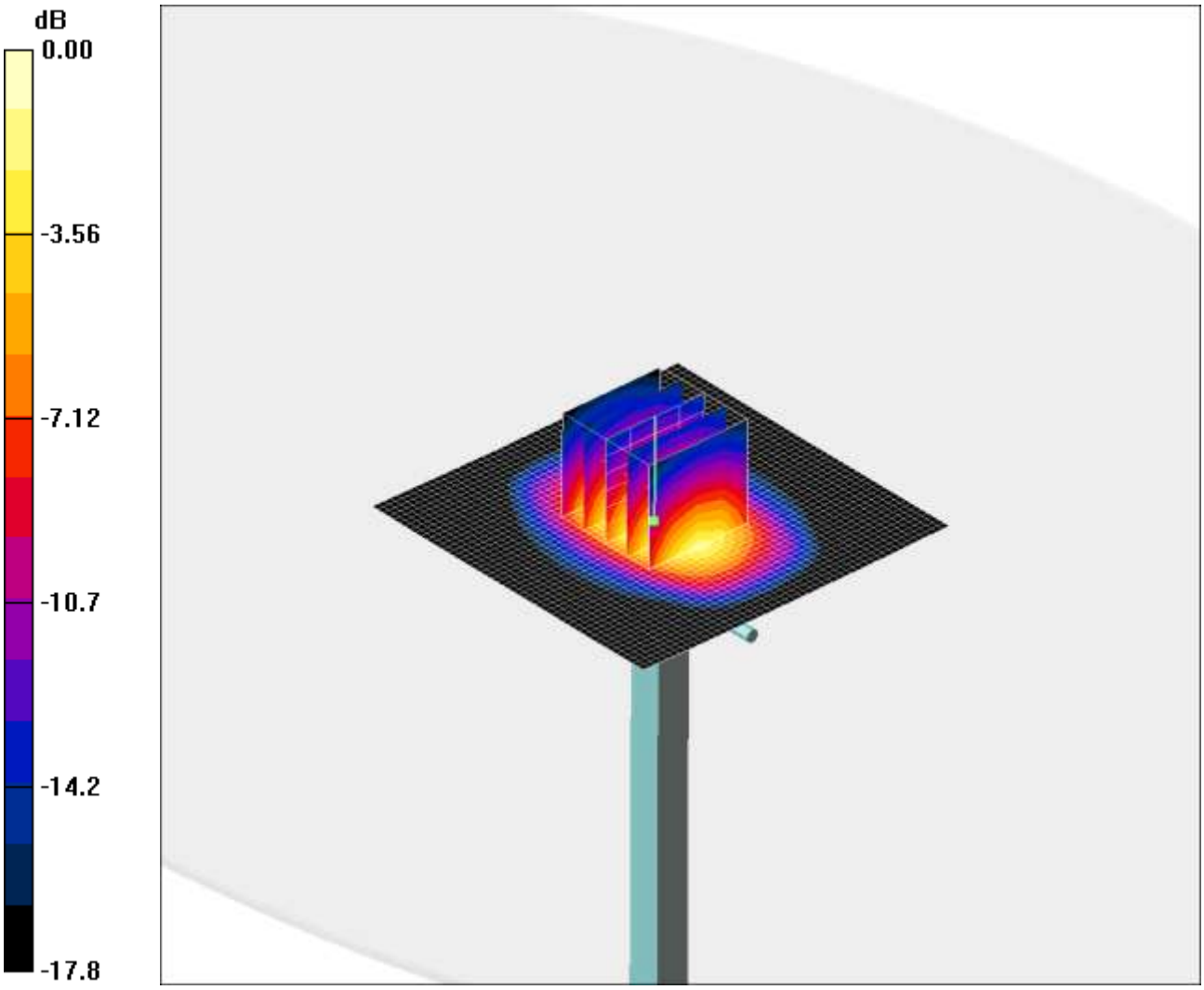


0 dB = 11.5 W/kg = 10.61 dBW/kg

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.441 mho/m; ε_r = 38.532; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.92, 4.92, 4.92); Calibrated: 26/07/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM A; Type: QD000P40Ca; Serial: TP:1193
- ; SEMCAD X Version 14.6.7 (6848)

SAR/d=10mm, Pin=250 mW, dist=10.0mm (ET-Probe)/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 94.315 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.47 W/kg
Maximum value of SAR (interpolated) = 12.1 W/kg
SAR/d=10mm, Pin=250 mW, dist=10.0mm (ET-Probe)/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 94.315 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.27 W/kg
Maximum value of SAR (measured) = 11.5 W/kg

SCN/90579JD02/135: System Performance Check 1900MHz Body 07 01 13
Date: 07/01/2013
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

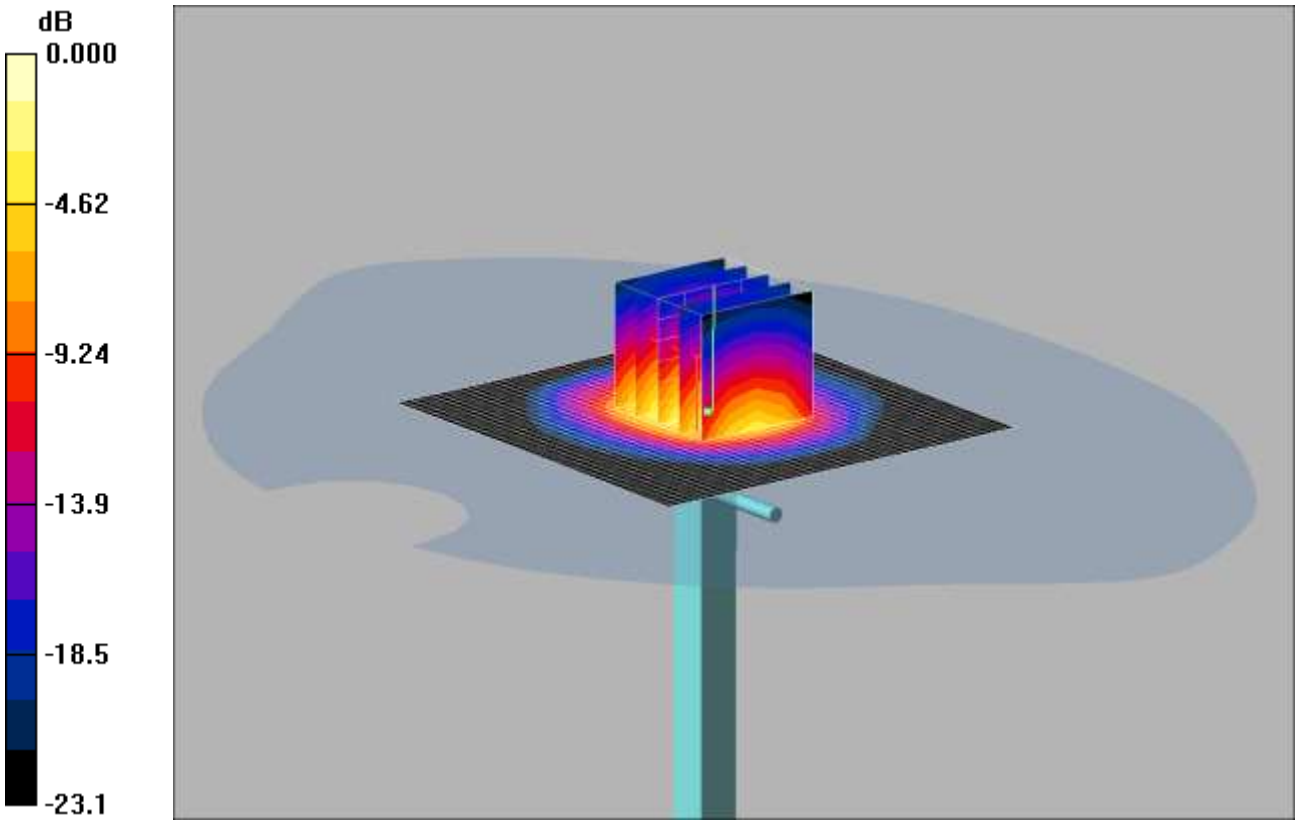


0 dB = 11.2mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3304; ConvF(4.88, 4.88, 4.88); Calibrated: 31/08/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.4 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.4 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 18.1 W/kg
SAR(1 g) = 10 mW/g; SAR(10 g) = 5.23 mW/g
Maximum value of SAR (measured) = 11.2 mW/g

SCN/90579JD02/136: System Performance Check 2450MHz Head 02 01 13
Date: 02/01/2013
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

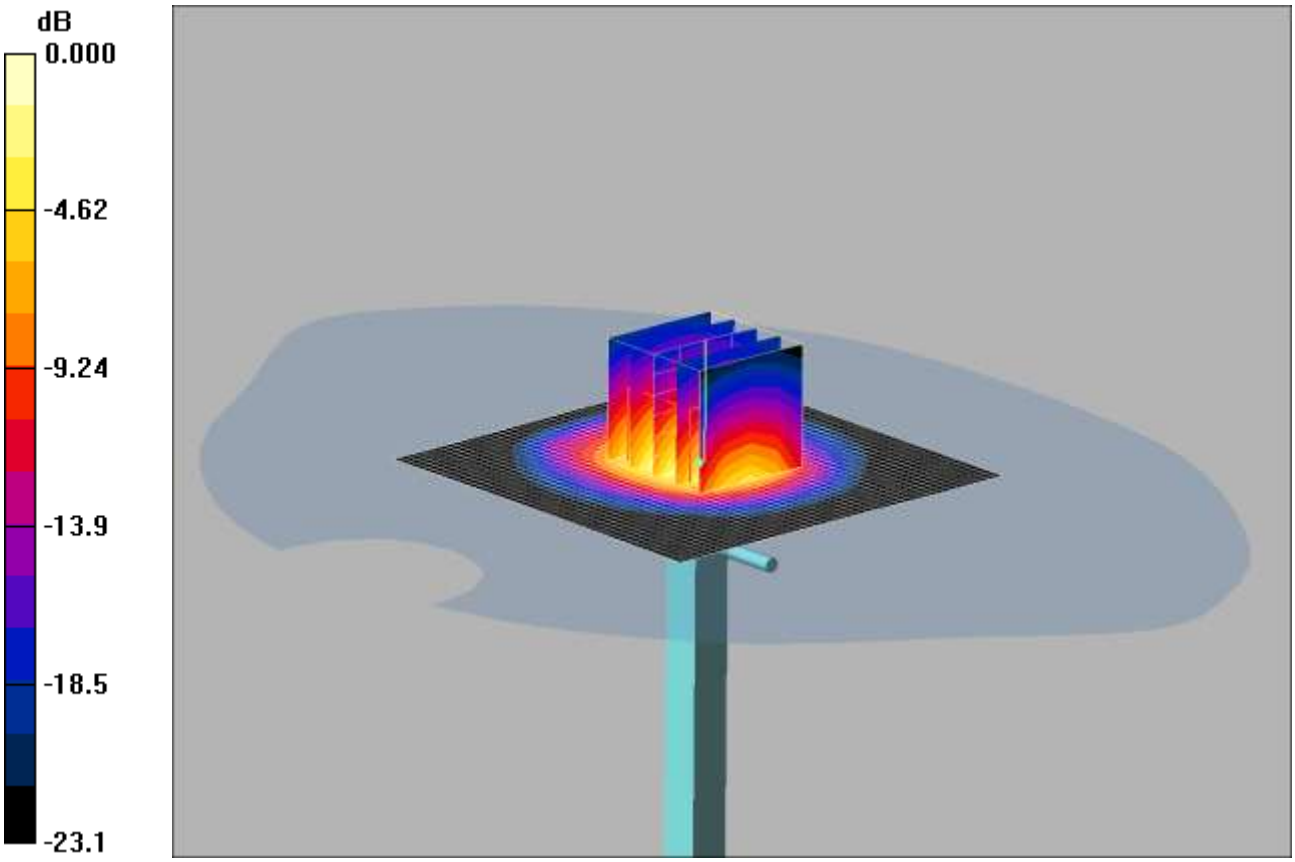


0 dB = 14.3mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used: f = 2450 MHz; σ = 1.85 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=10mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 18.9 mW/g
d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 90.9 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 27.5 W/kg
SAR(1 g) = 13 mW/g; SAR(10 g) = 6.01 mW/g
Maximum value of SAR (measured) = 14.3 mW/g

SCN/90579JD02/137: System Performance Check 2450MHz Head 03 01 13
Date: 03/01/2013
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

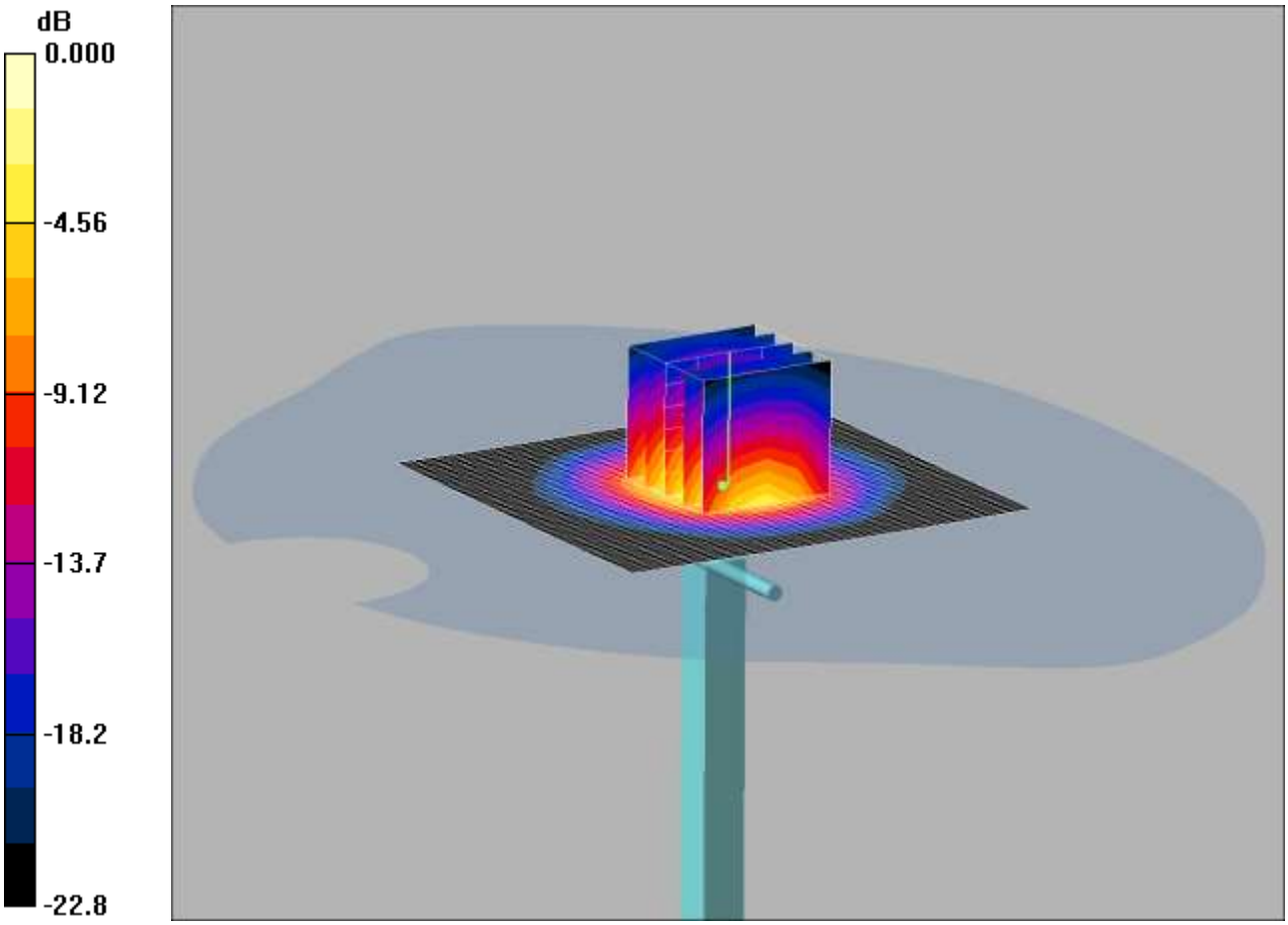


0 dB = 14.8mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used: f = 2450 MHz; σ = 1.85 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=10mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 20.0 mW/g
d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 94.0 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 28.5 W/kg
SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.38 mW/g
Maximum value of SAR (measured) = 14.8 mW/g

SCN/90579JD02/138: System Performance Check 2450MHz Body 07 01 13
Date: 07/01/2013
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

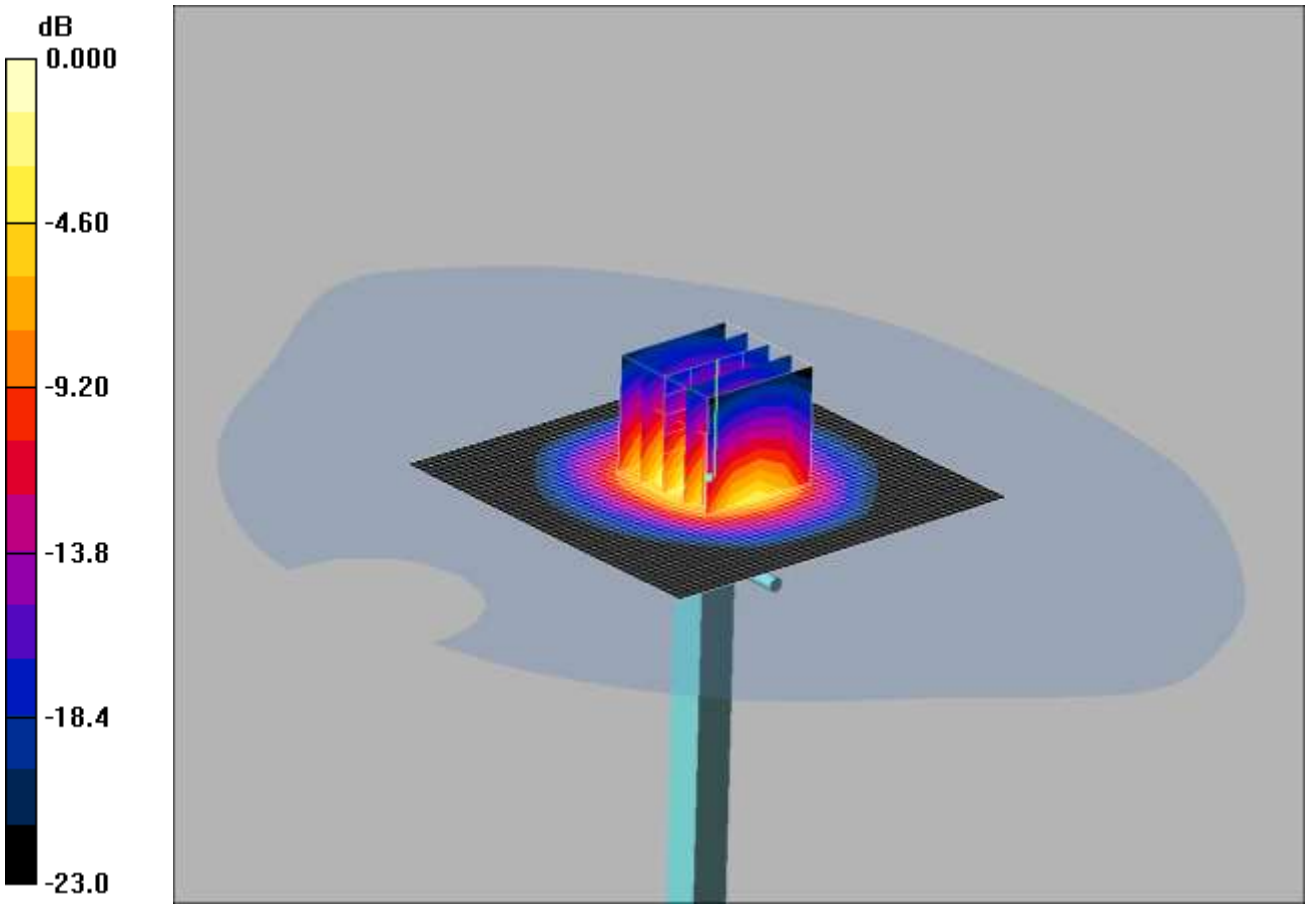


0 dB = 14.1mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used: f = 2450 MHz; σ = 2.03 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 18.2 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.7 V/m; Power Drift = -0.039 dB
Peak SAR (extrapolated) = 27.7 W/kg
SAR(1 g) = 12.7 mW/g; SAR(10 g) = 5.88 mW/g
Maximum value of SAR (measured) = 14.1 mW/g

SCN/90579JD02/139: System Performance Check 2450MHz Body 08 01 13
Date: 08/01/2013
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

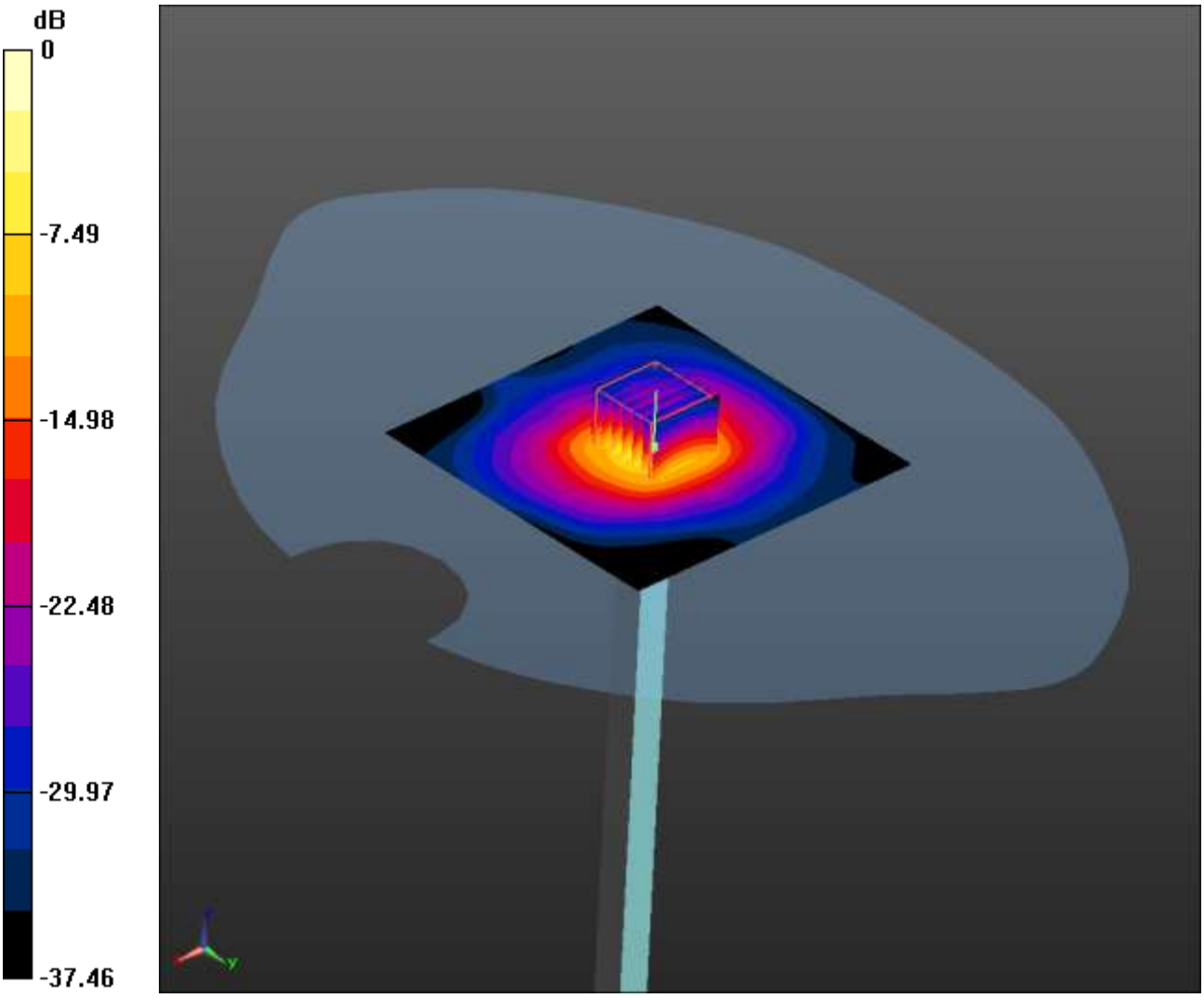


0 dB = 14.3mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used: f = 2450 MHz; σ = 2.03 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 20/09/2012
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 17.5 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 87.2 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 28.3 W/kg
SAR(1 g) = 12.9 mW/g; SAR(10 g) = 5.91 mW/g
Maximum value of SAR (measured) = 14.3 mW/g

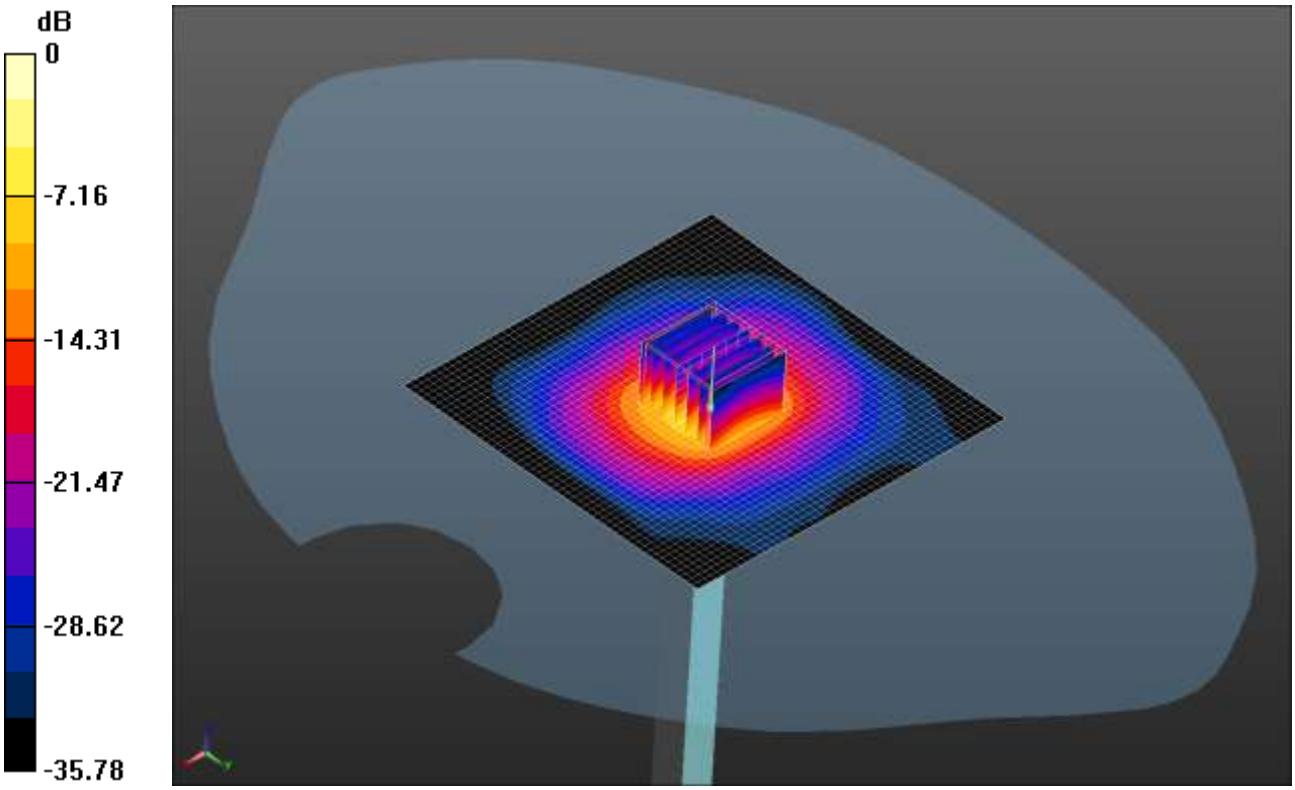
SCN/90579JD02/140: System Performance Check 5200 MHz Head 09 01 13
Date: 09/01/2013
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 16.1 W/kg = 12.07 dBW/kg
Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used: f = 5200 MHz; σ = 4.687 mho/m; ε_r = 35.293; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(5.06, 5.06, 5.06); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/d=10mm, Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 3.80 W/kg
Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 44.841 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 30.2 W/kg
SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.3 W/kg
Maximum value of SAR (measured) = 16.1 W/kg

SCN/90579JD02/141: System Performance Check 5200 Head 10 01 2013
Date: 10/01/2013
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

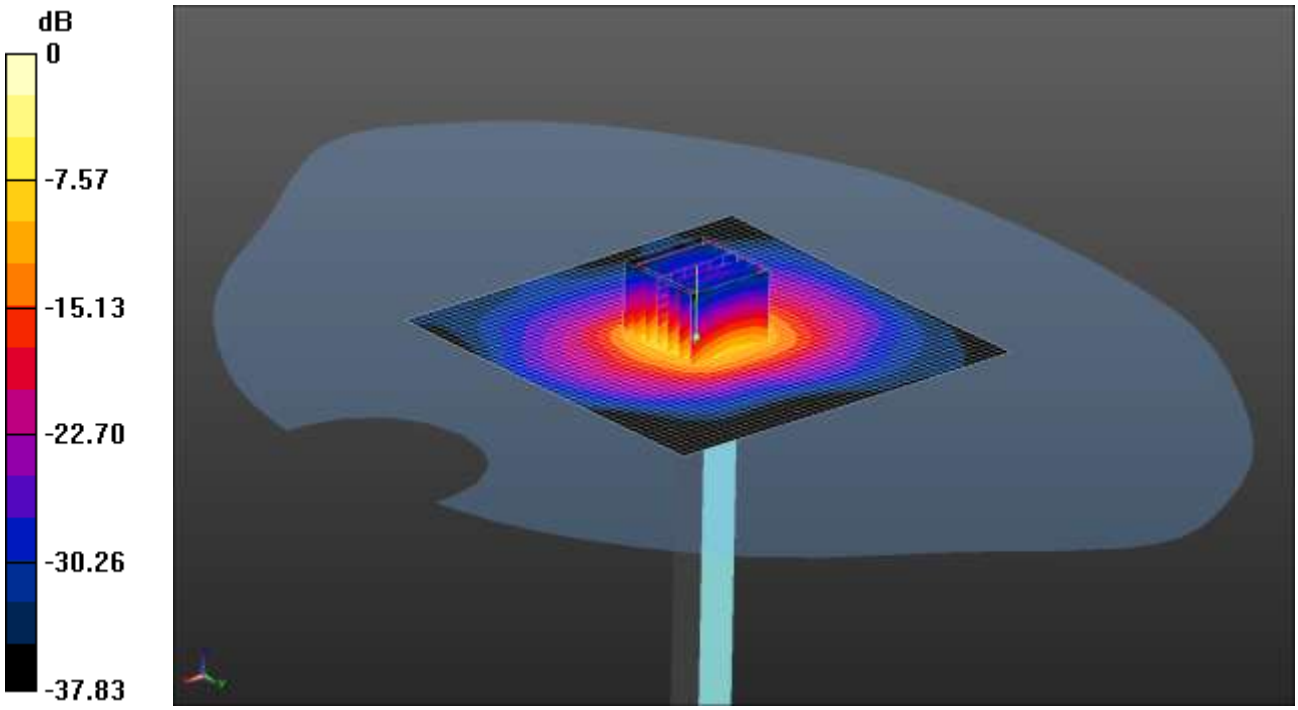


0 dB = 16.2 W/kg = 12.10 dBW/kg

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used: f = 5200 MHz; σ = 4.687 mho/m; ε_r = 35.293; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(5.06, 5.06, 5.06); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/d=10mm, Pin=100mW 2 2/Area Scan (51x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 3.54 W/kg
Configuration/d=10mm, Pin=100mW 2 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 43.766 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 30.0 W/kg
SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.28 W/kg
Maximum value of SAR (measured) = 16.2 W/kg

SCN/90579JD02/142: System Performance Check 5500 MHz Head 10 01 13
Date: 10/01/2013
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

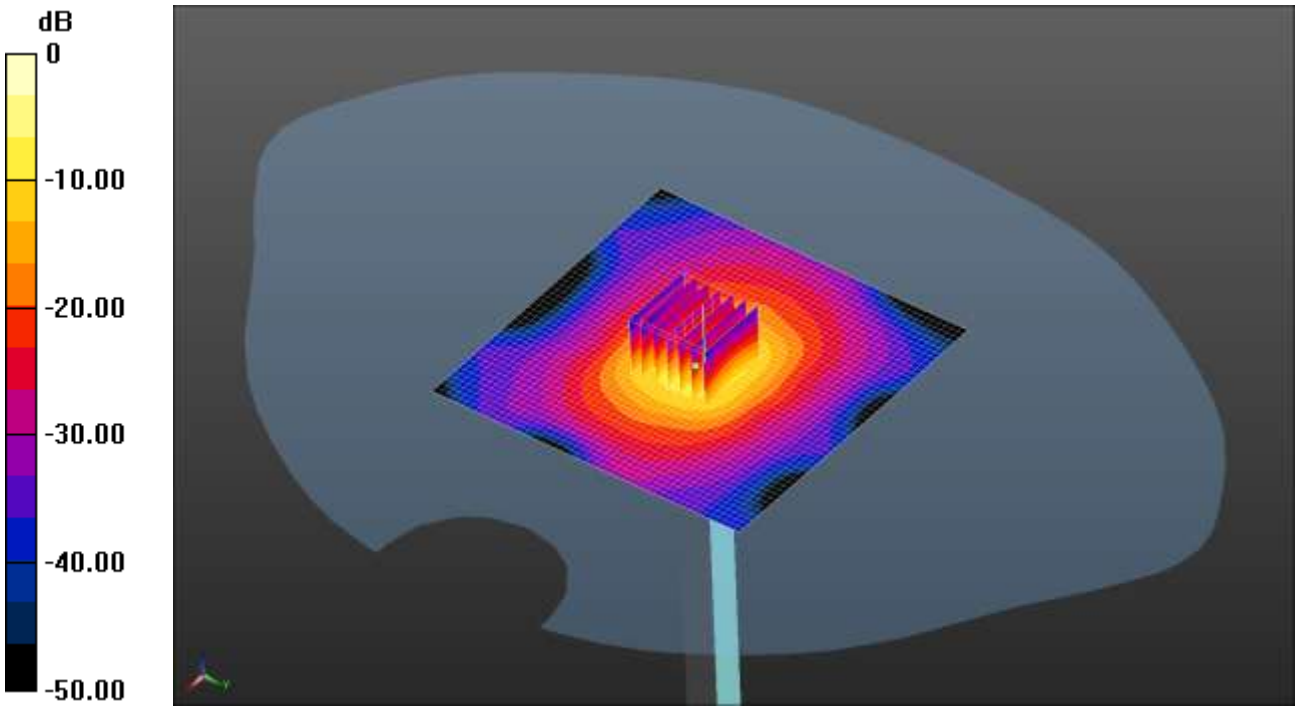


0 dB = 17.5 W/kg = 12.43 dBW/kg

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used: f = 5500 MHz; σ = 4.992 mho/m; ε_r = 34.849; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.54, 4.54, 4.54); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/d=10mm, Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 3.91 W/kg
Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 45.846 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 33.8 W/kg
SAR(1 g) = 8.51 W/kg; SAR(10 g) = 2.43 W/kg
Maximum value of SAR (measured) = 17.5 W/kg

SCN/90579JD02/143: System Performance Check 5800 MHz Head 10 01 13
Date: 10/01/2013
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

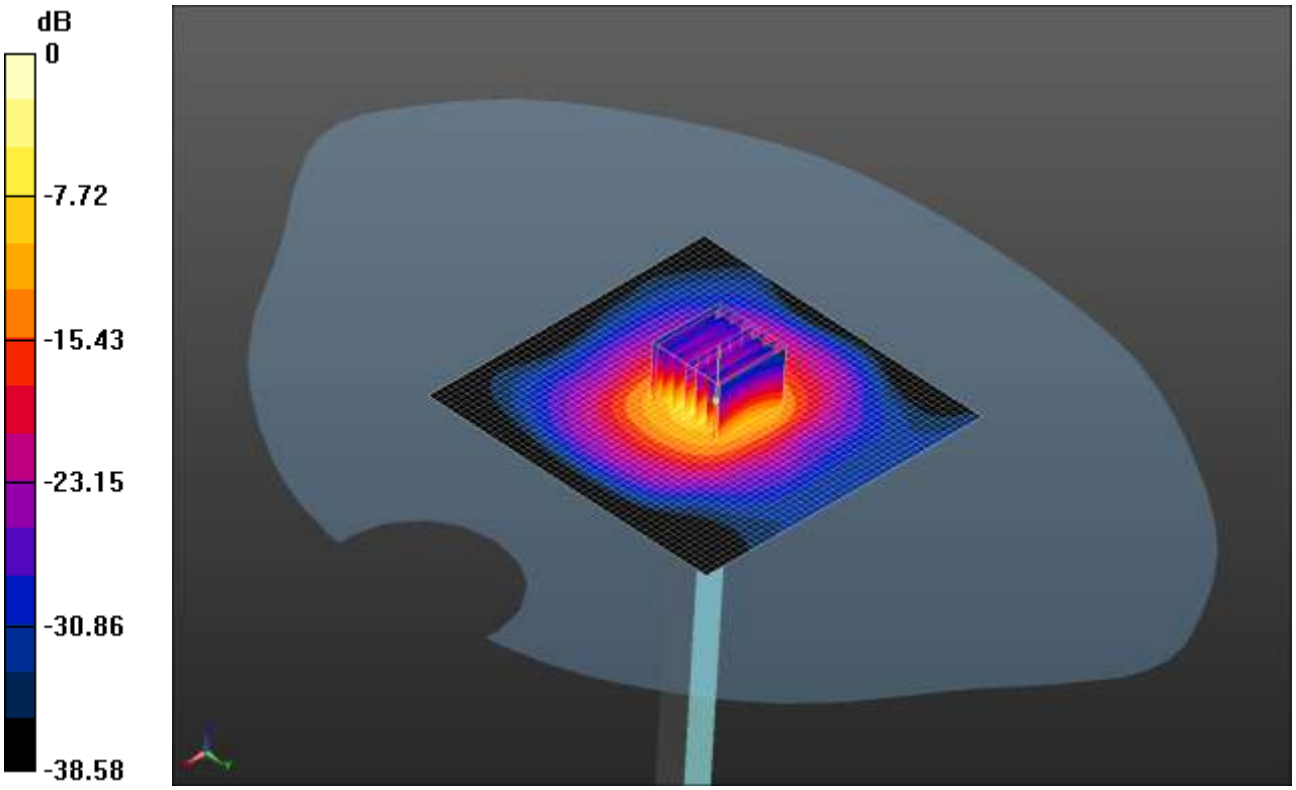


0 dB = 16.0 W/kg = 12.04 dBW/kg

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used: f = 5800 MHz; σ = 5.347 mho/m; ε_r = 34.406; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.5, 4.5, 4.5); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/d=10mm, Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 3.51 W/kg
Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 42.254 V/m; Power Drift = -0.36 dB
Peak SAR (extrapolated) = 33.3 W/kg
SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.28 W/kg
Maximum value of SAR (measured) = 16.0 W/kg

SCN/90579JD02/144: System Performance Check 5200 Head 14 01 2013
Date: 14/01/2013
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

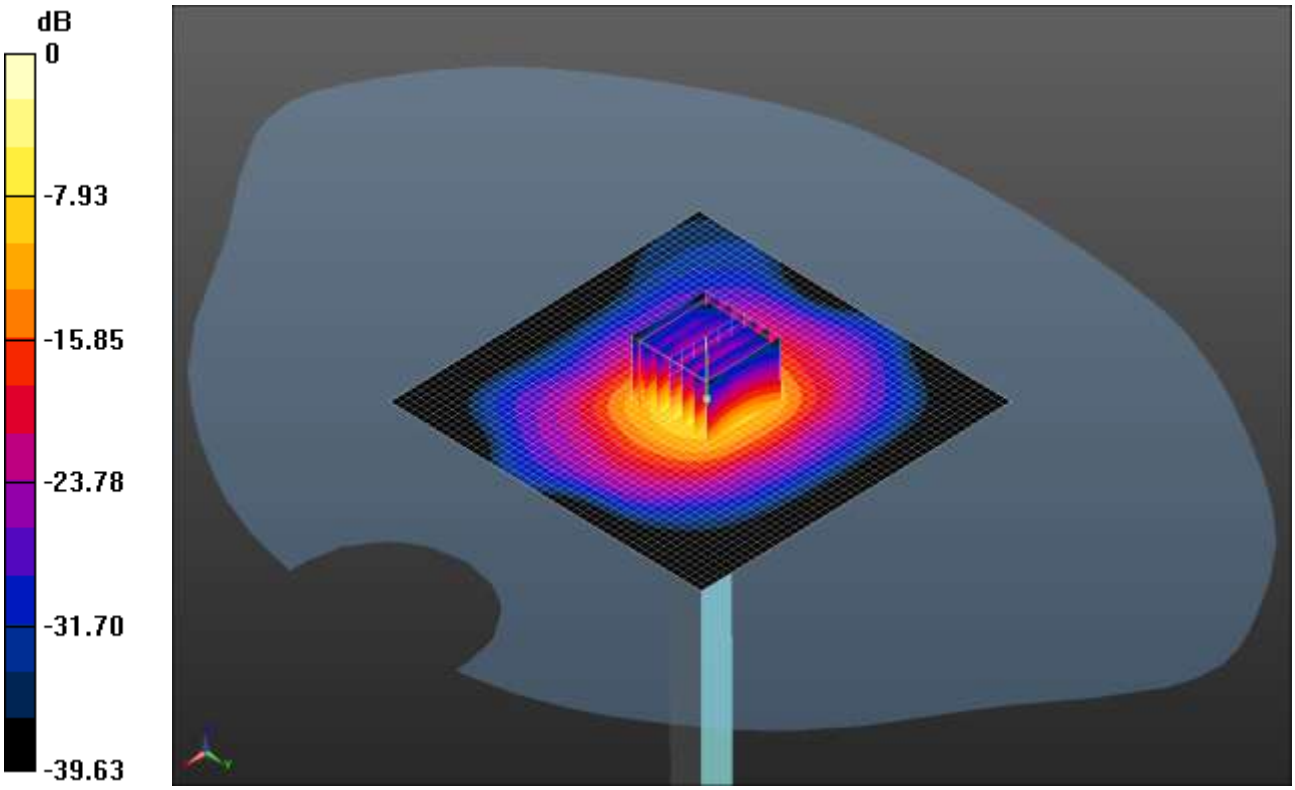


0 dB = 16.4 W/kg = 12.15 dBW/kg

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used: f = 5200 MHz; σ = 4.64 mho/m; ε_r = 35.138; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(5.06, 5.06, 5.06); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/d=10mm, Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 3.84 W/kg
Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 43.758 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 31.0 W/kg
SAR(1 g) = 8 W/kg; SAR(10 g) = 2.32 W/kg
Maximum value of SAR (measured) = 16.4 W/kg

SCN/90579JD02/145: System Performance Check 5500 Head 14 01 2013
Date: 14/01/2013
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

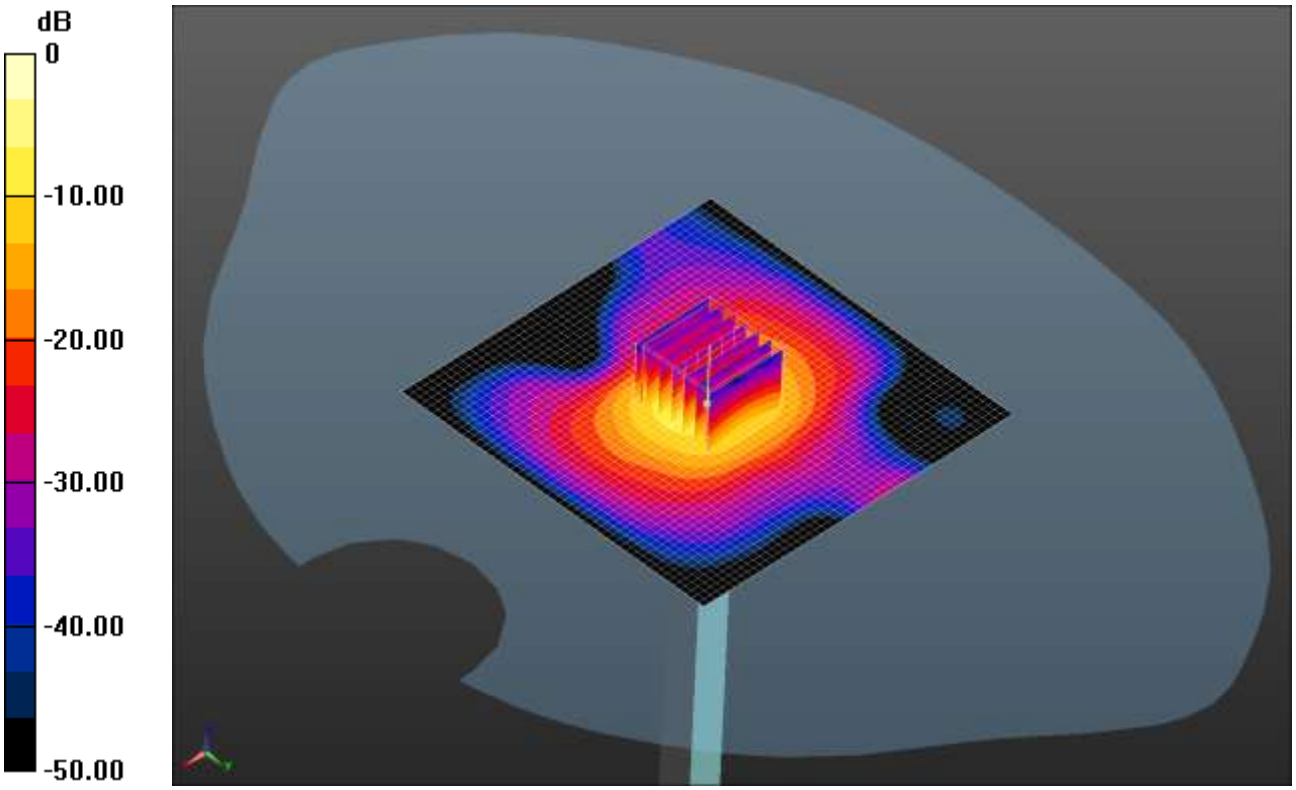


0 dB = 17.6 W/kg = 12.46 dBW/kg

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used: f = 5500 MHz; σ = 4.913 mho/m; ε_r = 34.504; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.54, 4.54, 4.54); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

Configuration/d=10mm, Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 4.05 W/kg
Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 44.869 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 8.52 W/kg; SAR(10 g) = 2.43 W/kg
Maximum value of SAR (measured) = 17.6 W/kg

SCN/90579JD02/146: System Performance Check 5800 Head 14 01 2013
Date: 14/01/2013
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 16.8 W/kg = 12.25 dBW/kg

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: 5200/5500/5800 MHz HSL Medium parameters used: f = 5800 MHz; σ = 5.22 mho/m; ε_r = 34.01; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.5, 4.5, 4.5); Calibrated: 24/09/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM B; Type: QD000P40CC; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.7 (6848)

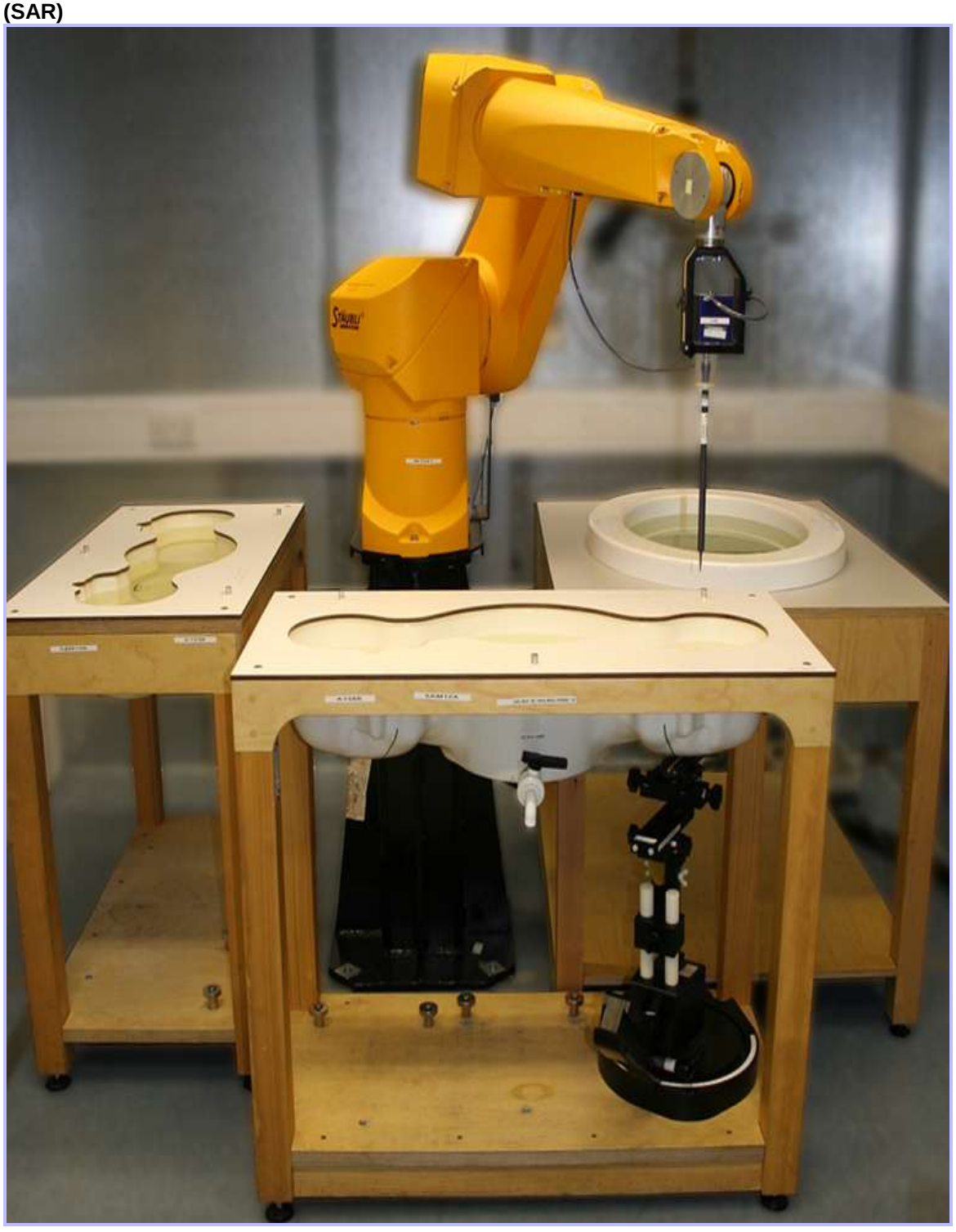
Configuration/d=10mm, Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 4.18 W/kg
Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 41.087 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 33.9 W/kg
SAR(1 g) = 7.86 W/kg; SAR(10 g) = 2.23 W/kg
Maximum value of SAR (measured) = 16.8 W/kg

Appendix 4. Photographs

This appendix contains the following photographs:

Photo Reference Number	Title
PHT/90579JD02/001	Test configuration for the measurement of Specific Absorption Rate (SAR)
PHT/90579JD02/002	Touch Left
PHT/90579JD02/003	Tilt Left
PHT/90579JD02/004	Touch Right
PHT/90579JD02/005	Tilt Right
PHT/90579JD02/006	Front of EUT facing Phantom at 10mm
PHT/90579JD02/007	Front of EUT facing Phantom at 15mm
PHT/90579JD02/008	Back of EUT facing Phantom at 10mm
PHT/90579JD02/009	Back of EUT facing Phantom at 15mm
PHT/90579JD02/010	Left Hand Side of EUT Facing Phantom
PHT/90579JD02/011	Right Hand Side of EUT Facing Phantom
PHT/90579JD02/012	Top of EUT Facing Phantom
PHT/90579JD02/013	Bottom of EUT Facing Phantom
PHT/90579JD02/014	General Setup of EUT with PHF
PHT/90579JD02/015	Front View of EUT
PHT/90579JD02/016	Back View of EUT
PHT/90579JD02/017	Left Hand View Side of EUT
PHT/90579JD02/018	Right Hand Side View of EUT
PHT/90579JD02/019	Top View of EUT
PHT/90579JD02/020	Bottom View of EUT
PHT/90579JD02/021	View of WWAN Radiated Sample (CB5A1M5190)
PHT/90579JD02/022	View of WWAN Radiated Sample (CB5A1M518H)
PHT/90579JD02/023	View of WWAN Radiated Sample (CB5A1M518Z)
PHT/90579JD02/024	View of WLAN Radiated Sample (CB5A1M798L)
PHT/90579JD02/025	View of WWAN Conducted Sample (CB5A1M517Y)
PHT/90579JD02/026	View of WLAN Conducted Sample (CB5A1M7989)
PHT/90579JD02/027	PHF View
PHT/90579JD02/028	900 MHz Head Fluid Level
PHT/90579JD02/029	900 MHz Body Fluid Level
PHT/90579JD02/030	1900 MHz Head Fluid Level
PHT/90579JD02/031	1900 MHz Body Fluid Level
PHT/90579JD02/032	2450 MHz Head Fluid Level
PHT/90579JD02/033	2450 MHz Body Fluid Level
PHT/90579JD02/034	5GHz Head Fluid Level

PHT/90579JD02/001: Test configuration for the measurement of Specific Absorption Rate (SAR)



PHT/90579JD02/002: Touch Left

PHT/90579JD02/003: Tilt Left

PHT/90579JD02/004: Touch Right

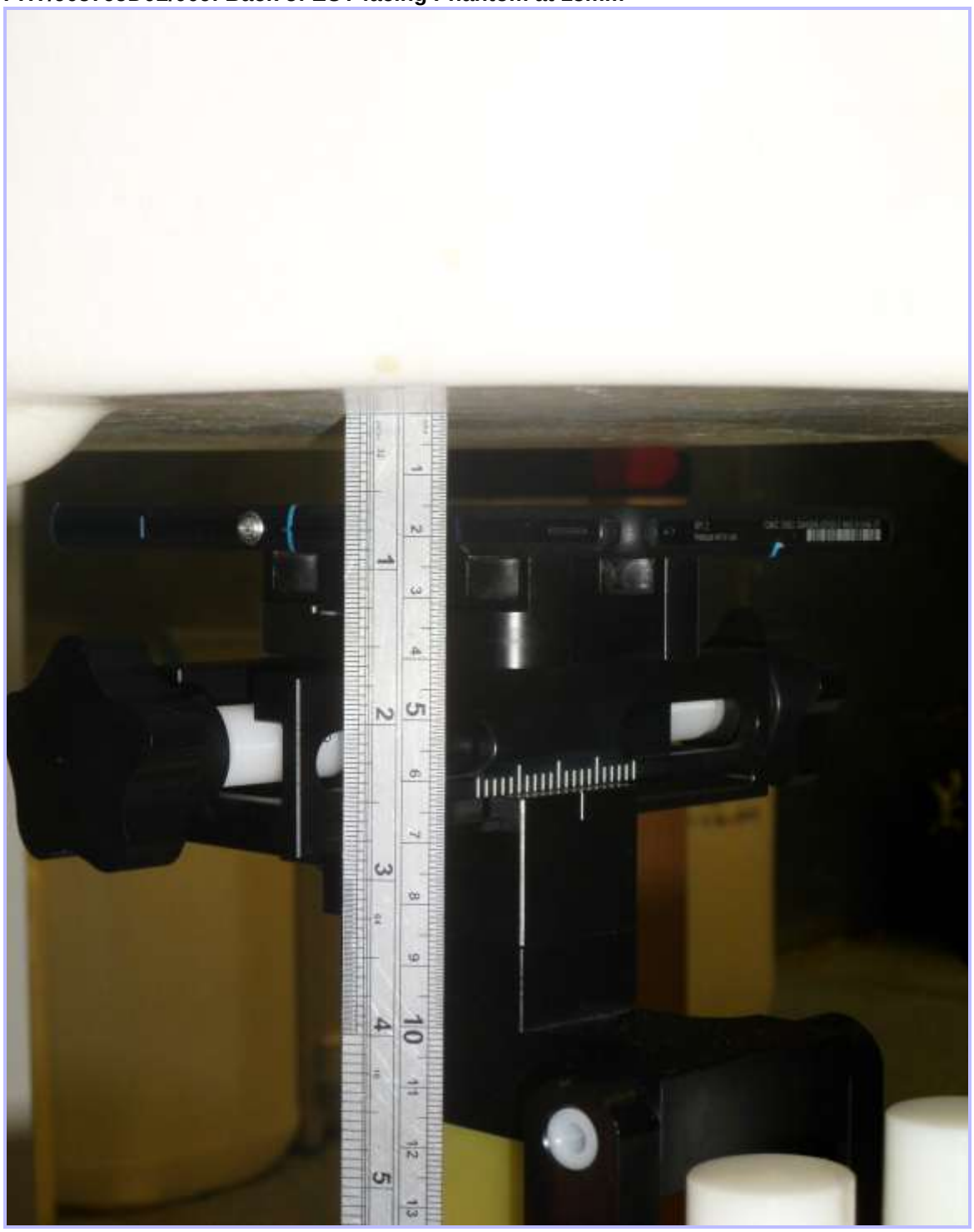
PHT/90579JD02/005: Tilt Right

PHT/90579JD02/006: Front of EUT facing Phantom at 10mm

PHT/90579JD02/007: Front of EUT facing Phantom at 15mm

PHT/90579JD02/008: Back of EUT facing Phantom at 10mm

PHT/90579JD02/009: Back of EUT facing Phantom at 15mm



PHT/90579JD02/010: Left Hand Side of EUT Facing Phantom

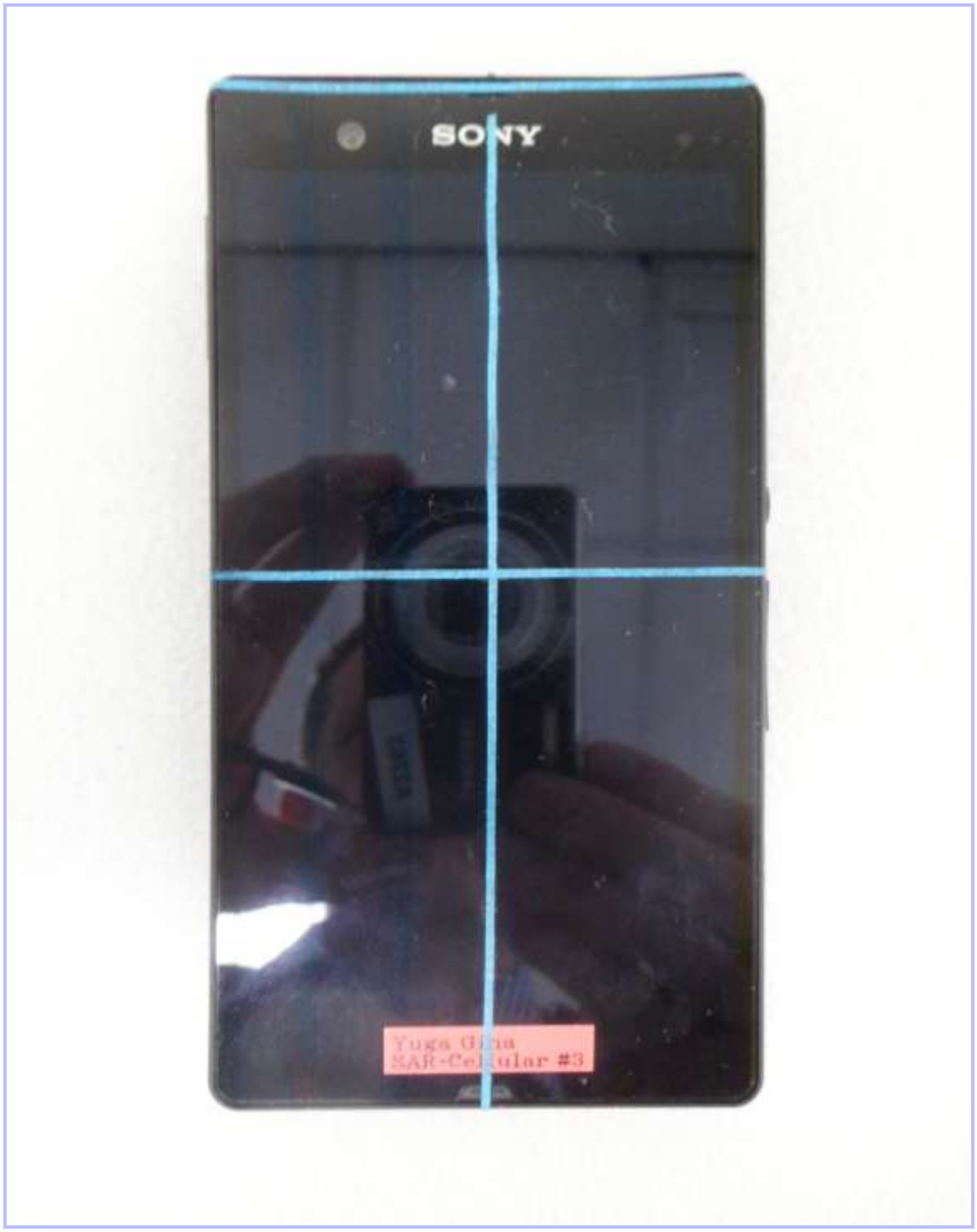
PHT/90579JD02/011: Right Hand Side of EUT Facing Phantom

PHT/90579JD02/012: Top of EUT Facing Phantom

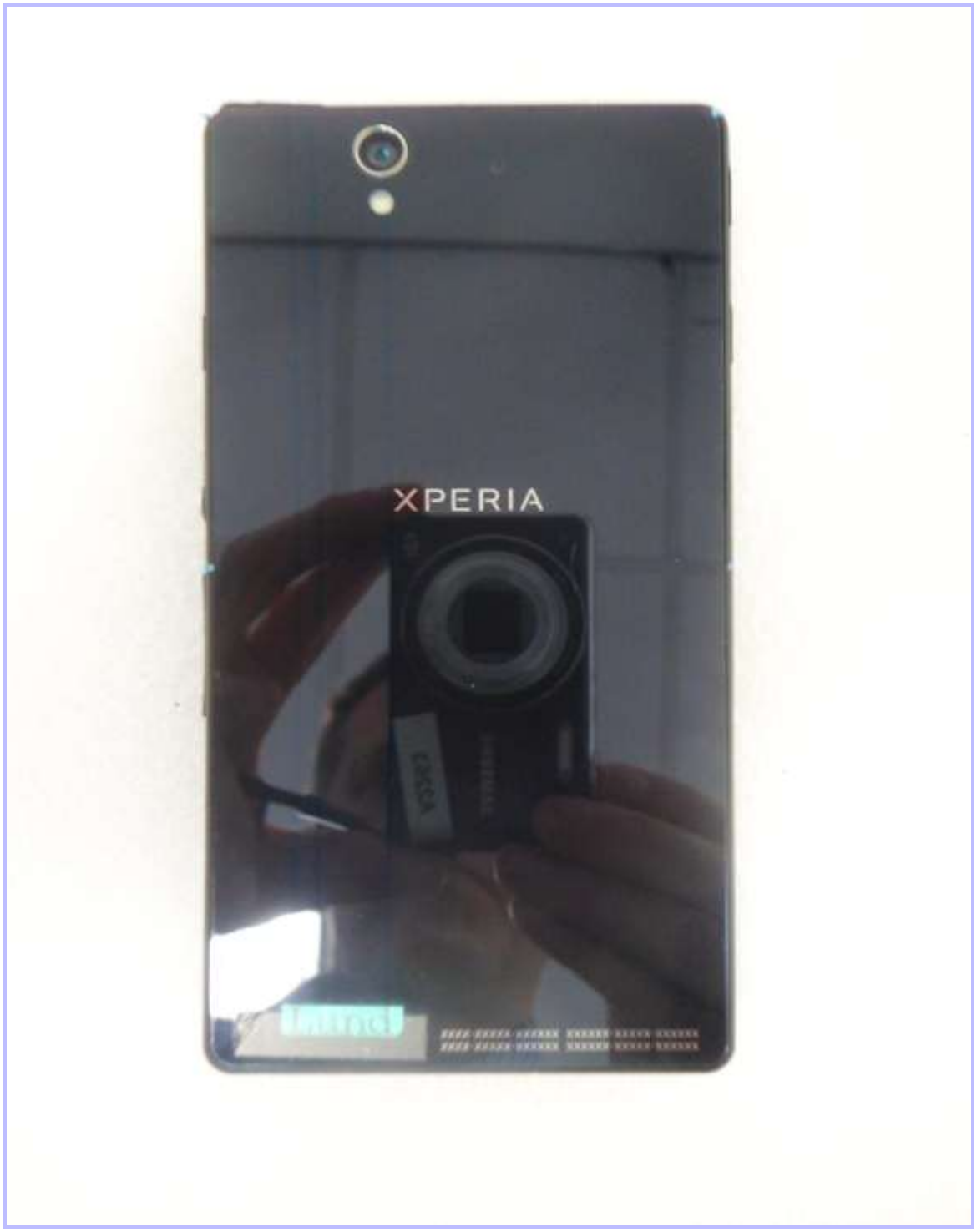
PHT/90579JD02/013: Bottom of EUT Facing Phantom

PHT/90579JD02/014: General Setup of EUT with PHF

PHT/90579JD02/015: Front View of EUT



PHT/90579JD02/016: Back View of EUT



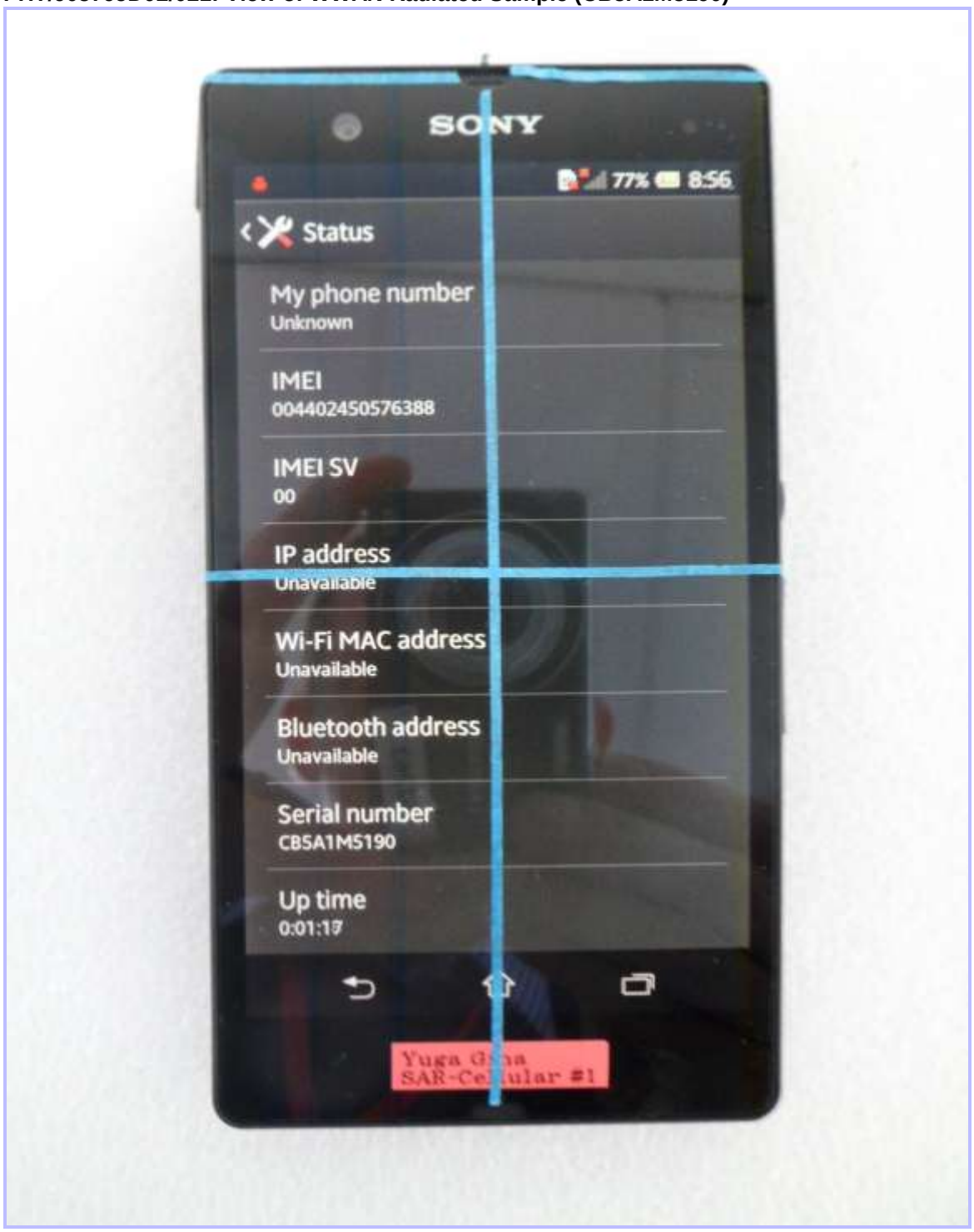
PHT/90579JD02/017: Left Hand View Side of EUT

PHT/90579JD02/018: Right Hand Side View of EUT

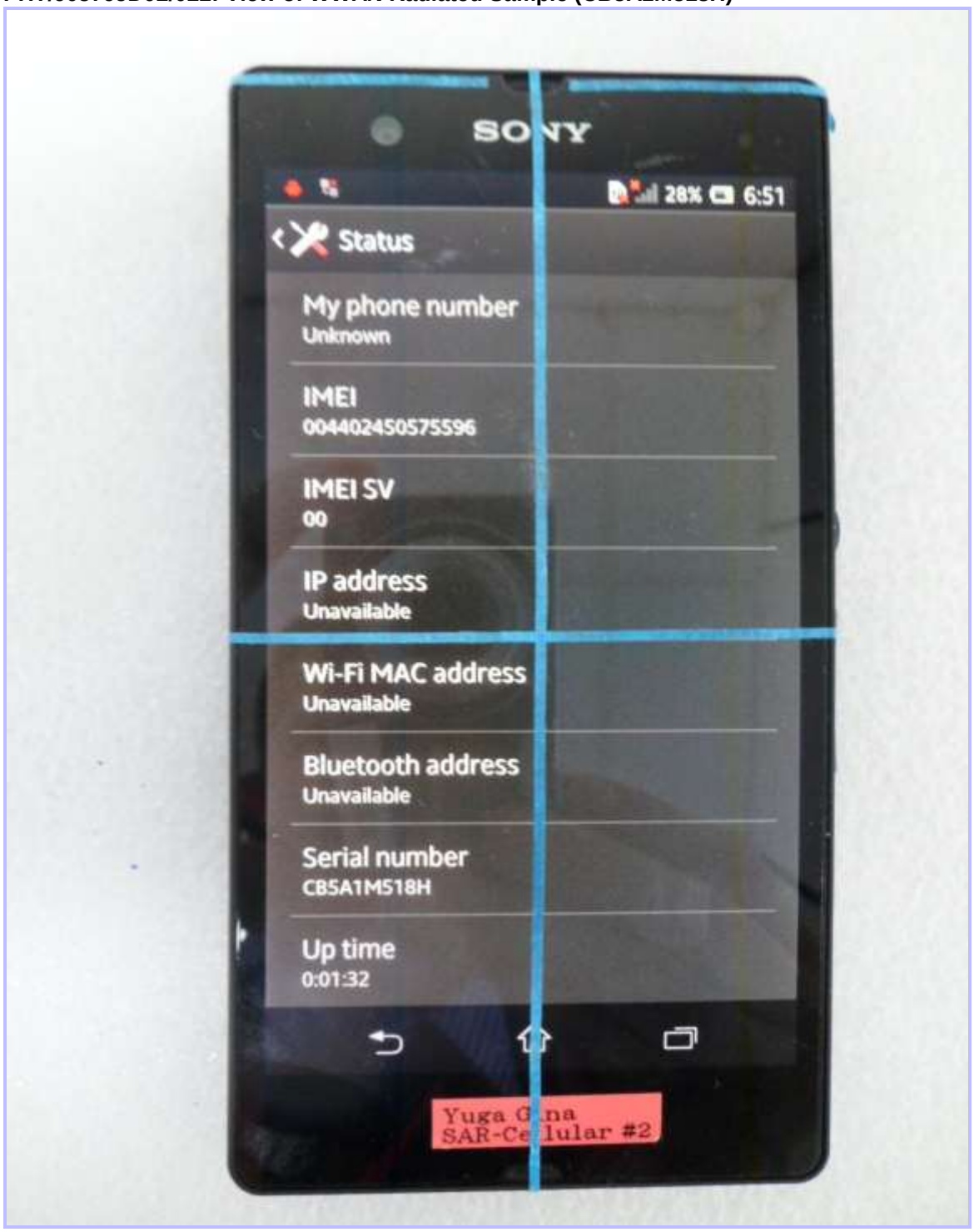
PHT/90579JD02/019: Top View of EUT

PHT/90579JD02/020: Bottom View of EUT

PHT/90579JD02/021: View of WWAN Radiated Sample (CB5A1M5190)



PHT/90579JD02/022: View of WWAN Radiated Sample (CB5A1M518H)



PHT/90579JD02/023: View of WWAN Radiated Sample (CB5A1M518Z)

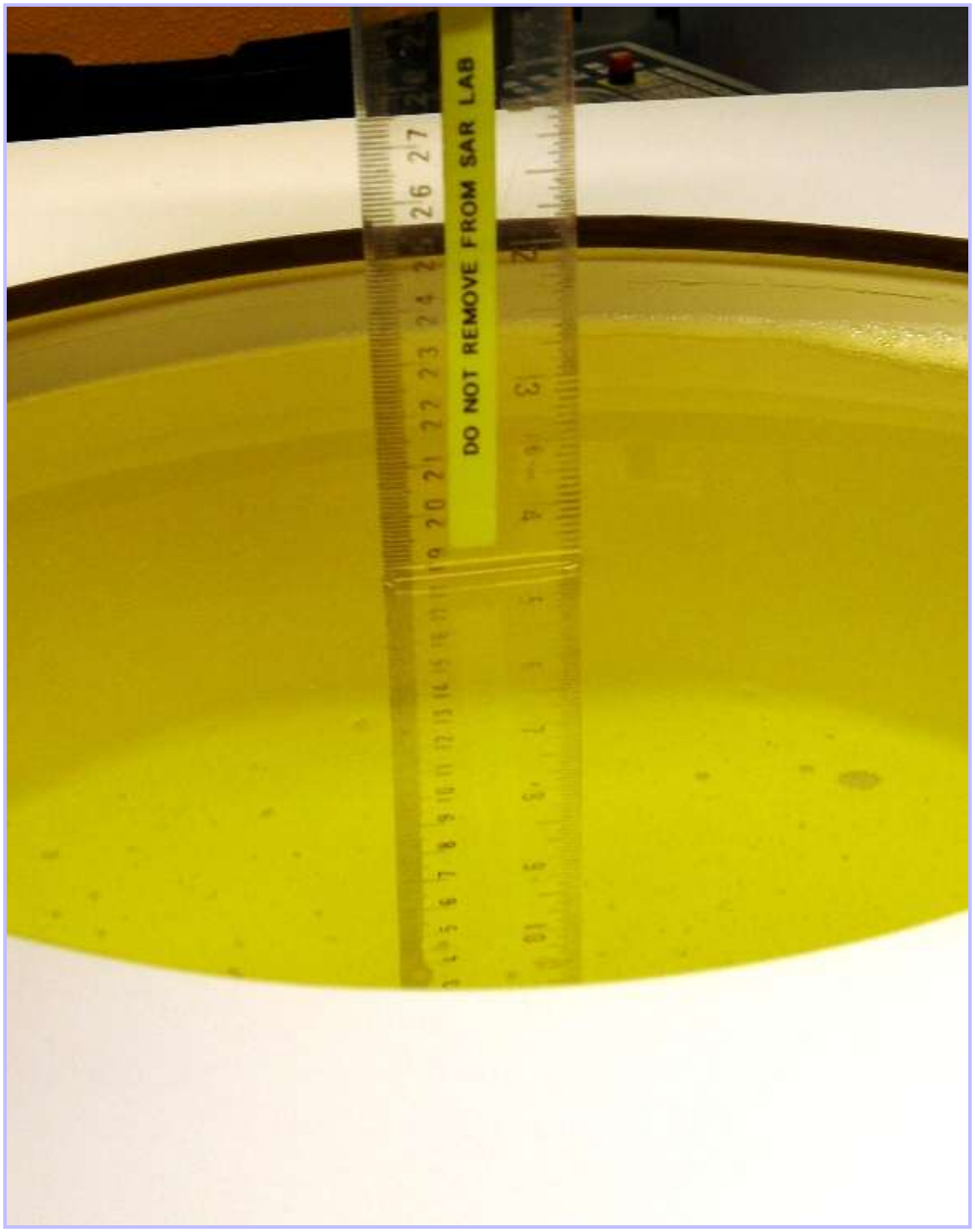
PHT/90579JD02/024: View of WLAN Radiated Sample (CB5A1M798L)

PHT/90579JD02/025: View of WWAN Conducted Sample (CB5A1M517Y)

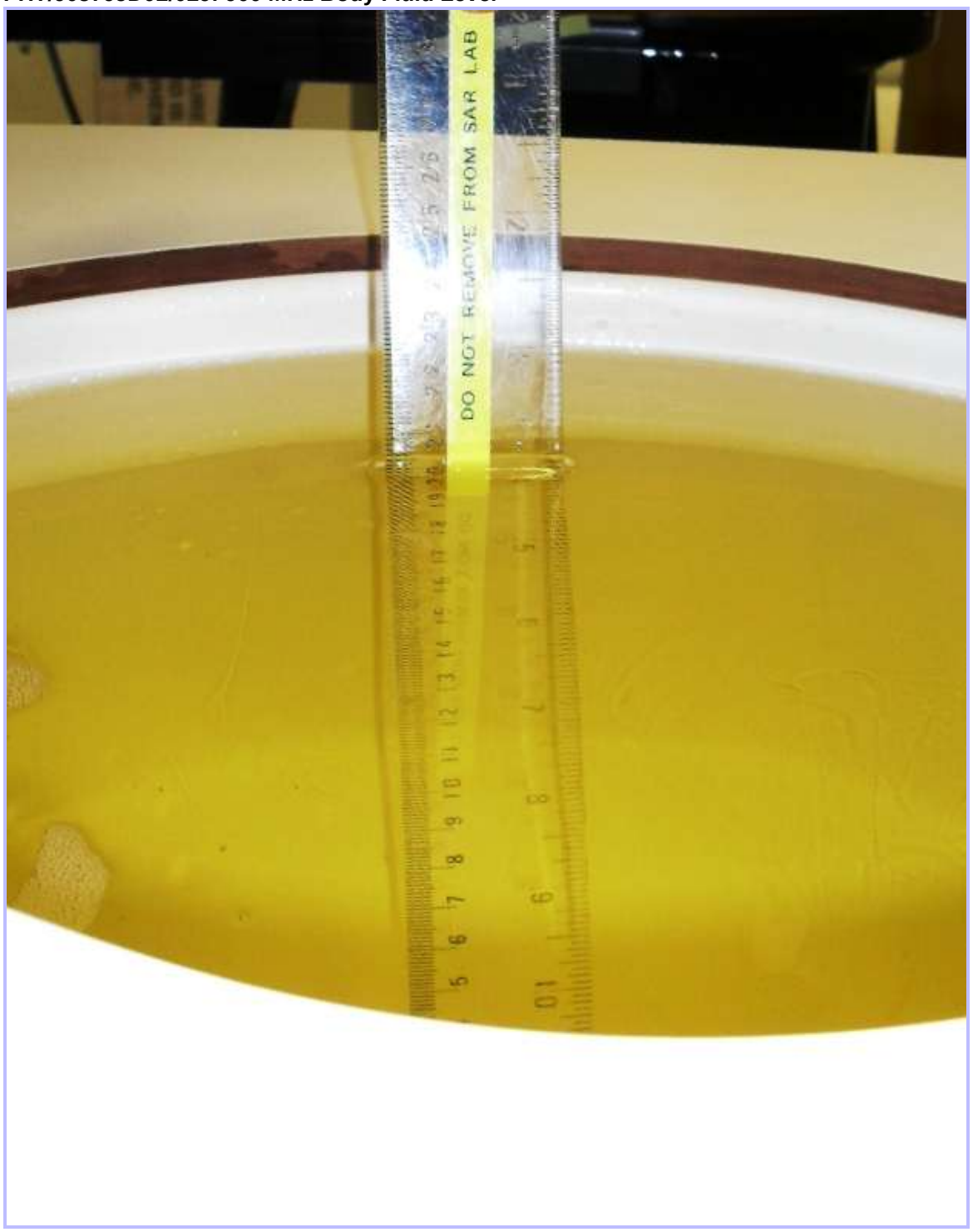
PHT/90579JD02/026: View of WLAN Conducted Sample (CB5A1M7989)

PHT/90579JD02/027: PHF View

PHT/90579JD02/028: 900 MHz Head Fluid Level

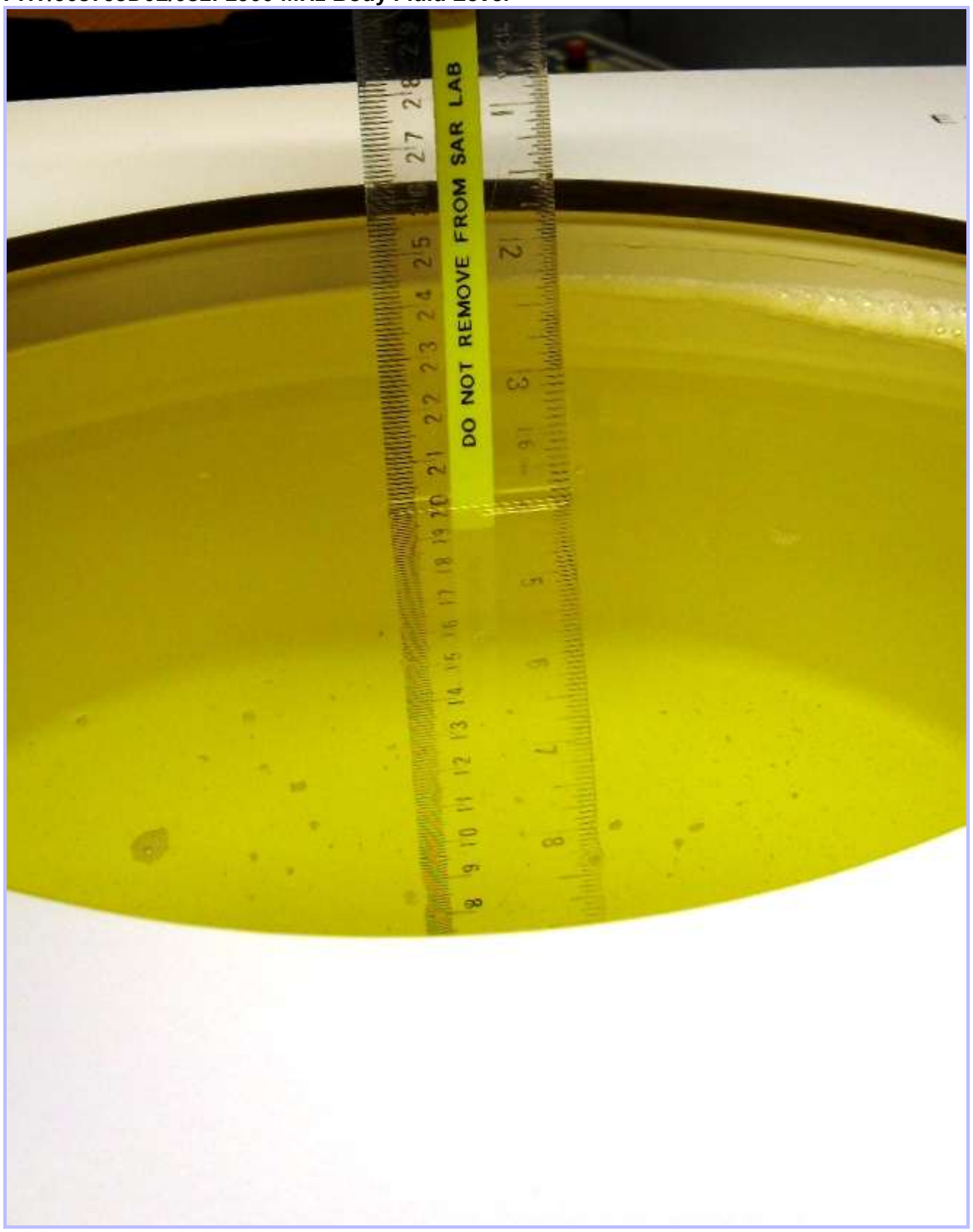


PHT/90579JD02/029: 900 MHz Body Fluid Level



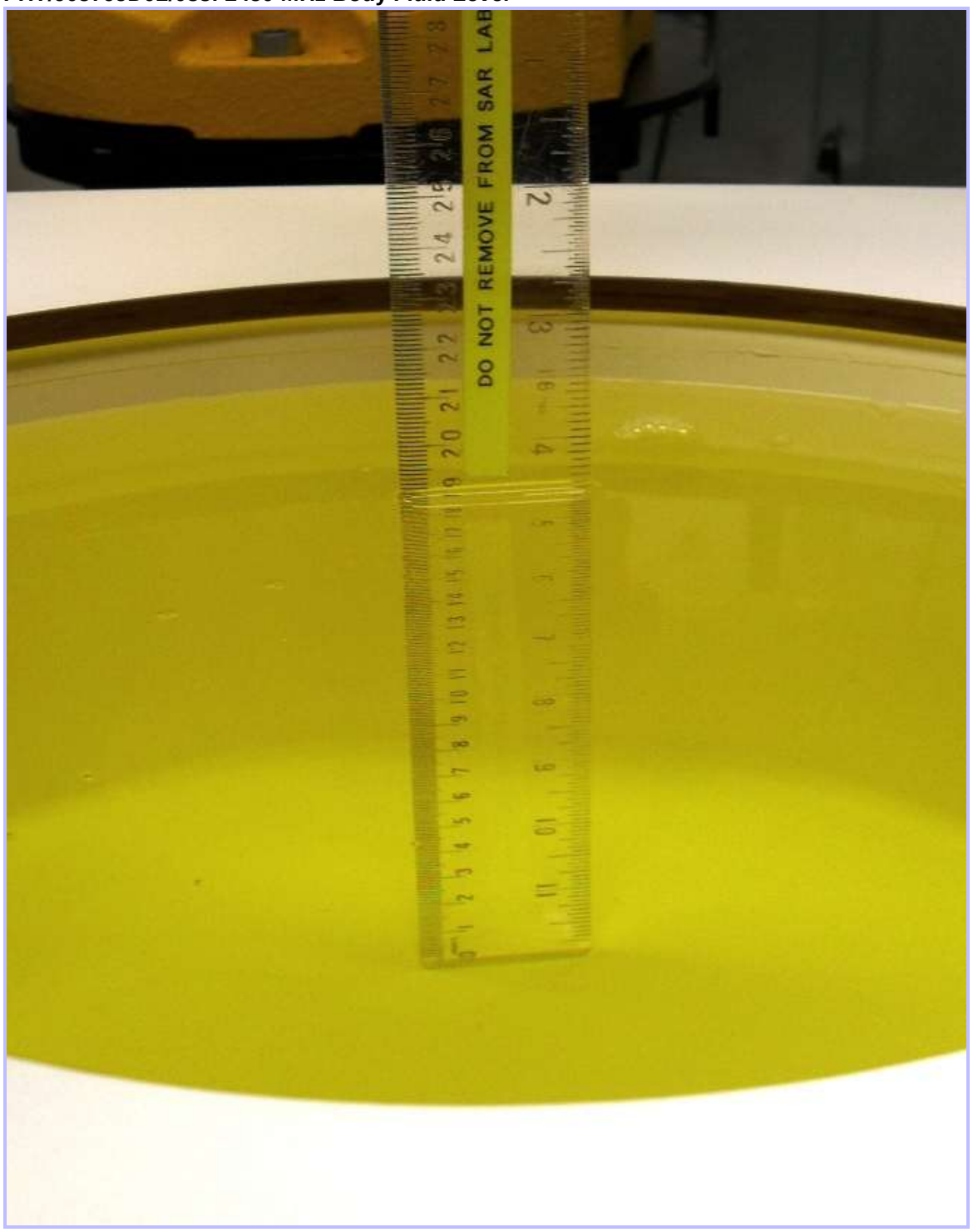
PHT/90579JD02/030: 1900 MHz Head Fluid Level

PHT/90579JD02/031: 1900 MHz Body Fluid Level



PHT/90579JD02/032: 2450 MHz Head Fluid Level

PHT/90579JD02/033: 2450 MHz Body Fluid Level



PHT/90579JD02/034: 5GHz Head Fluid Level

Appendix 5. System Check

Prior to the assessment, the system was verified in the flat region of the phantom, 900 MHz, 1900 MHz, 2450 MHz and 5.0 GHz dipoles were used. A forward power of 250 mW was applied to the 900 MHz, 1900 MHz, 2450 MHz dipoles and 100 mW was applied to 5.0 GHz dipole and the system was verified to a tolerance of ±5% for the 900MHz, 1900MHz, 2450 MHz and 5.0 GHz dipoles.

The applicable verification normalised to 1 Watt.

System Check 900 Head

Date: 17/12/2012
Validation Dipole and Serial Number: D900V2; SN: 035

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	900	24.0 ºC	22.1 ºC	ε_r	41.50	42.72	2.93	5.00
				σ	0.97	0.98	0.59	5.00
				1g SAR	10.50	10.76	2.48	5.00
				10g SAR	6.74	7.00	3.86	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
128	Low	824.2	ε_r	43.19
			σ	0.93
190	Middle	836.6	ε_r	43.11
			σ	0.92
251	High	848.8	ε_r	0.94
			σ	43.02

System Check 900 Head (Continued):
Date: 18/12/2012
Validation Dipole and Serial Number: D900V2; SN: 035

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	900	24.0 ºC	22.1 ºC	ε_r	41.50	42.72	2.93	5.00
				σ	0.97	0.98	0.59	5.00
				1g SAR	10.50	10.32	-1.71	5.00
				10g SAR	6.74	6.68	-0.89	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
4132	Low	826.4	ε_r	43.18
			σ	0.93
4183	Middle	836.6	ε_r	43.11
			σ	0.93
4233	High	846.6	ε_r	43.04
			σ	0.94

Date: 27/12/2012
Validation Dipole and Serial Number: D900V2; SN: 035

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	900	24.0 ºC	22.1 ºC	ε_r	41.50	40.34	-2.79	5.00
				σ	0.97	0.94	-3.34	5.00
				1g SAR	10.50	10.88	3.62	5.00
				10g SAR	6.74	7.04	4.45	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20450	Low	829.0	ε_r	40.80
			σ	0.89
20525	Middle	836.5	ε_r	40.76
			σ	0.90
20600	High	844.0	ε_r	40.71
			σ	0.90

System Check 900 Body
Date: 19/12/2012
Validation Dipole and Serial Number: D900V2; SN: 035

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0 ºC	23.4 ºC	ε_r	55.00	53.41	-2.89	5.00
				σ	1.05	1.02	-3.00	5.00
				1g SAR	10.80	10.52	-2.59	5.00
				10g SAR	6.96	6.84	-1.72	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
4132	Low	826.4	ε_r	53.80
			σ	0.98
4183	Middle	836.6	ε_r	53.70
			σ	0.98
4233	High	846.6	ε_r	53.70
			σ	0.99

Date: 20/12/2012
Validation Dipole and Serial Number: D900V2; SN: 035

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0 ºC	23.4 ºC	ε_r	55.00	53.41	-2.89	5.00
				σ	1.05	1.02	-3.00	5.00
				1g SAR	10.80	10.32	-4.44	5.00
				10g SAR	6.96	6.72	-3.45	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
4132	Low	826.4	ε_r	53.80
			σ	0.98
4183	Middle	836.6	ε_r	53.70
			σ	0.98
4233	High	846.6	ε_r	53.70
			σ	0.99

System Check 900 Body (Continued):
Date: 26/12/2012
Validation Dipole and Serial Number: D900V2; SN: 035

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0 ºC	22.1 ºC	ε_r	55.00	55.11	0.20	5.00
				σ	1.05	1.03	-2.20	5.00
				1g SAR	10.80	10.28	-4.81	5.00
				10g SAR	6.96	6.68	-4.02	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
128	Low	824.2	ε_r	55.40
			σ	0.98
190	Middle	836.6	ε_r	55.40
			σ	0.99
251	High	848.8	ε_r	55.30
			σ	1.00

Date: 04/01/2013
Validation Dipole and Serial Number: D900V2; SN: 035

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0 ºC	22.9 ºC	ε_r	55.00	52.59	-4.37	5.00
				σ	1.05	1.03	-2.29	5.00
				1g SAR	10.80	10.36	-4.07	5.00
				10g SAR	6.96	6.40	-8.05	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
128	Low	824.2	ε_r	43.19
			σ	0.93
190	Middle	836.6	ε_r	43.11
			σ	0.92
251	High	848.8	ε_r	0.94
			σ	43.02

System Check 1900 Head
Date: 19/12/2012
Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1900	24.0 ºC	22.8 ºC	ε_r	40.00	38.53	-3.67	5.00
				σ	1.40	1.44	2.76	5.00
				1g SAR	40.30	40.80	1.24	5.00
				10g SAR	21.00	21.08	0.38	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
512	Low	1850.2	ε_r	38.60
			σ	1.42
661	Middle	1880.0	ε_r	38.69
			σ	1.39
810	High	1909.8	ε_r	38.49
			σ	1.45

System Check 1900 Body
Date: 07/01/2013
Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	24.0 ºC	23.5 ºC	ε_r	53.30	51.38	-3.61	5.00
				σ	1.52	1.55	1.71	5.00
				1g SAR	40.70	40.00	-1.72	5.00
				10g SAR	21.60	20.92	-3.15	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
512	Low	1850.2	ε_r	51.50
			σ	1.50
661	Middle	1880.0	ε_r	51.40
			σ	1.53
810	High	1909.8	ε_r	51.40
			σ	1.56

System Check 2450 Head
Date: 02/01/2013
Validation Dipole and Serial Number: D2450V2; SN: 725

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	2450	24.0 ºC	24.0 ºC	ε_r	39.20	38.14	-2.70	5.00
				σ	1.80	1.85	2.66	5.00
				1g SAR	52.90	52.00	-1.70	5.00
				10g SAR	24.70	24.04	-2.67	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1	Low	2412.0	ε_r	38.30
			σ	1.82
6	Middle	2437.0	ε_r	38.20
			σ	1.84
11	High	2462.0	ε_r	38.10
			σ	1.87

System Check 2450 Body
Date: 07/01/13
Validation Dipole and Serial Number: D2450V2; SN: 725

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	2450	24.0 ºC	24.0 ºC	ε_r	52.70	50.96	-3.30	5.00
				σ	1.95	2.03	4.14	5.00
				1g SAR	51.90	51.90	-2.12	5.00
				10g SAR	24.10	23.52	-2.41	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1	Low	2412.0	ε_r	51.10
			σ	2.00
6	Middle	2437.0	ε_r	51.00
			σ	2.02
11	High	2462.0	ε_r	50.90
			σ	2.05

Date: 08/01/13
Validation Dipole and Serial Number: D2450V2; SN: 725

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	2450	24.0 ºC	24.0 ºC	ε_r	52.70	50.96	-3.30	5.00
				σ	1.95	2.03	4.14	5.00
				1g SAR	51.90	51.60	-0.58	5.00
				10g SAR	24.10	23.72	-1.91	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1	Low	2412.0	ε_r	51.10
			σ	2.00
6	Middle	2437.0	ε_r	51.00
			σ	2.02
11	High	2462.0	ε_r	50.90
			σ	2.05

System Check 5200/5500/5800 Head
Date: 09/01/2013
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5200	24.0 ºC	22.8 ºC	ε_r	36.00	35.29	-1.97	10.00
				σ	4.66	4.68	0.43	5.00
				1g SAR	78.60	79.20	0.76	5.00
				10g SAR	22.50	23.00	2.22	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
36	Middle	5180.0	ε_r	35.35
			σ	4.66

Date: 10/01/2013
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5200	24.0 ºC	22.8 ºC	ε_r	36.00	35.29	-1.97	10.00
				σ	4.66	4.68	0.43	5.00
				1g SAR	78.60	78.10	-0.64	5.00
				10g SAR	22.50	22.80	1.33	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
36	Middle	5180.0	ε_r	35.35
			σ	4.66
64	Middle	5320.0	ε_r	35.09
			σ	4.80

System Check 5200/5500/5800 Head (Continued):
Date: 14/01/2013
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5200	24.0 ºC	22.8 ºC	ε_r	36.00	35.14	-2.39	10.00
				σ	4.66	4.63	-0.56	5.00
				1g SAR	78.60	80.00	1.78	5.00
				10g SAR	22.50	23.20	3.11	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
38	Middle	5190.0	ε_r	35.18
			σ	4.63

Date: 10/01/2013
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5500	24.0 ºC	22.8 ºC	ε_r	35.60	34.85	-2.11	10.00
				σ	4.96	4.99	0.54	5.00
				1g SAR	84.50	85.10	0.71	5.00
				10g SAR	24.20	24.30	0.41	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
136	Middle	5680.0	ε_r	34.59
			σ	5.21
157	Middle	5785.0	ε_r	34.44
			σ	5.33

Date: 14/01/2013
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5500	24.0 ºC	21.6ºC	ε_r	35.60	34.50	-3.09	10.00
				σ	4.96	16.06	-1.06	5.00
				1g SAR	84.50	85.20	0.83	5.00
				10g SAR	24.20	24.30	0.41	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
126	Middle	5630.0	ε_r	34.31
			σ	5.04
159	Middle	5795	ε_r	34.02
			σ	5.21

System Check 5200/5500/5800 Head (Continued):
Date: 10/01/2013
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5800	24.0 ºC	22.8 ºC	ε_r	35.30	34.41	-2.52	10.00
				σ	5.27	5.34	1.31	5.00
				1g SAR	78.10	79.70	2.05	5.00
				10g SAR	22.30	22.80	2.24	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
157	Middle	5785.0	ε_r	34.44
			σ	5.33

Date: 14/01/2013
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5800	24.0 ºC	21.6 ºC	ε_r	35.30	34.01	-3.65	10.00
				σ	5.27	5.21	-1.07	5.00
				1g SAR	78.10	78.60	0.64	5.00
				10g SAR	22.30	22.30	0.00	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
159	Middle	5795.0	ε_r	34.02
			σ	5.21

Appendix 6. Simulated Tissues

The body mixture consists of water, Polysorbate and salt. Visual inspection is made to ensure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the tissue.

Ingredient	Frequency
	750/835/850/900 MHz Head
De-Ionized Water	52.87
Polysorbate 20 (Tween 20)	46.10
Salt	1.03

Ingredient	Frequency
	750/835/850/900 MHz Body
De-Ionized Water	71.30
Polysorbate 20 (Tween 20)	28.00
Salt	0.70

Ingredient	Frequency
	1800/1900 MHz Head
De-Ionized Water	55.40
Polysorbate 20 (Tween 20)	44.22
Salt	0.38

Ingredient	Frequency
	1800/1900 MHz Body
De-Ionized Water	71.50
Polysorbate 20 (Tween 20)	28.00
Salt	0.50

Ingredient	Frequency
	2450 MHz Head
De-Ionized Water	55.75
Polysorbate 20 (Tween 20)	45.25

Ingredient	Frequency
	2450 MHz Body
De-Ionized Water	71.70
Polysorbate 20 (Tween 20)	28.00
Salt	0.30

DASY4 System Details

Stimulating Liquid for 3700 MHz to 5800 MHz are supplied and manufactured by SPEAG

Ingredient	Frequency
	3700 - 5800 MHz Head / Body
De-Ionized Water	~78.00
Mineral Oil	~11.00
Emulsifiers	~9.00
Additives and Salt	~2.00

Appendix 7. DASY4 System Details

A.7.1. DASY4 SAR Measurement System

UL, SAR measurement facility utilises the Dosimetric Assessment System (DASY™) manufactured by Schmid & Partner Engineering AG (SPEAG™) of Zurich, Switzerland. The DASY4 system is comprised of the robot controller, computer, near-field probe, probe alignment sensor, and the SAM phantom containing brain or muscle equivalent material. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF). A cell controller system contains the power supply, robot controller; teach pendant (Joystick), and remote control. This is used to drive the robot motors. The Staubli robot is connected to the cell controller to allow software manipulation of the robot. The data acquisition electronics (DAE) performs signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection etc. The DAE is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card. The DAE3 utilises a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching mulitplexer, a fast 16-bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe-mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer.

A.7.2. DASY4 SAR System Specifications

Robot System	
Positioner:	Stäubli Unimation Corp. Robot Model: RX90L
Repeatability:	0.025 mm
No. of Axis:	6
Serial Number:	F00/SD89A1/A/01
Reach:	1185 mm
Payload:	3.5 kg
Control Unit:	CS7
Programming Language:	V+
Robot System	
Positioner:	Stäubli Unimation Corp. Robot Model: RX90L
Repeatability:	0.025 mm
No. of Axis:	6
Serial Number:	F01/5J86A1/A/01
Reach:	1185 mm
Payload:	3.5 kg
Control Unit:	CS7
Programming Language:	V+
Robot System	
Positioner:	Stäubli Unimation Corp. Robot Model: TX60L
Repeatability:	±0.030 mm
No. of Axis:	6
Serial Number:	F12/5MZ7A1/A/01
Reach:	920 mm
Payload:	2.0 kg
Control Unit:	CS8C
Programming Language:	V+
Data Acquisition Electronic (DAE) System	
Serial Number:	DAE3 SN:394
Serial Number:	DAE3 SN:432
Serial Number:	DAE3 SN:431

DASY4 SAR System Specifications (Continued) PC Controller	
PC:	Dell Precision 340
Operating System:	Windows 2000
Data Card:	DASY4 Measurement Server
Serial Number:	1080
Data Converter	
Features:	Signal Amplifier, multiplexer, A/D converted and control logic.
Software:	DASY4 Software
Connecting Lines:	Optical downlink for data and status info. Optical uplink for commands and clock.
PC Interface Card	
Function:	24 bit (64 MHz) DSP for real time processing Link to DAE3 16 nit A/D converter for surface detection system serial link to robot direct emergency stop output for robot.
E-Field Probe	
Model:	EX3DV4
Serial No:	3814
Construction:	Triangular core
Frequency:	10 MHz to >6 GHz
Linearity:	±0.2 dB (30 MHz to 6 GHz)
Probe Length (mm):	330
Probe Diameter (mm):	12
Tip Length (mm):	20
Tip Diameter (mm):	2.5
Sensor X Offset (mm):	1
Sensor Y Offset (mm):	1
Sensor Z Offset (mm):	1
E-Field Probe	
Model:	ES3DV3
Serial No:	3304
Construction:	Triangular core
Frequency:	10 MHz to >4 GHz
Linearity:	±0.2 dB (30 MHz to 4 GHz)
Probe Length (mm):	337
Probe Diameter (mm):	10
Tip Length (mm):	10
Tip Diameter (mm):	4
Sensor X Offset (mm):	2
Sensor Y Offset (mm):	2
Sensor Z Offset (mm):	2

DASY4 SAR System Specifications (Continued)	
E-Field Probe	
Model:	ET3DV6
Serial No:	1528
Construction:	Triangular core
Frequency:	10 MHz to 2.55GHz
Linearity:	±0.2 dB (30 MHz to 2.55GHz)
Probe Length (mm):	337
Probe Diameter (mm):	10
Tip Length (mm):	10
Tip Diameter (mm):	6.8
Sensor X Offset (mm):	2.7
Sensor Y Offset (mm):	2.7
Sensor Z Offset (mm):	2.7
E-Field Probe	
Model:	ET3DV6
Serial No:	1587
Construction:	Triangular core
Frequency:	10 MHz to 2.55GHz
Linearity:	±0.2 dB (30 MHz to 2.55GHz)
Probe Length (mm):	337
Probe Diameter (mm):	10
Tip Length (mm):	10
Tip Diameter (mm):	6.8
Sensor X Offset (mm):	2.7
Sensor Y Offset (mm):	2.7
Sensor Z Offset (mm):	2.7
Phantom	
Phantom:	SAM Phantom, Eli Phantom
Shell Material:	Fibreglass
Thickness:	2.0 ±0.1 mm