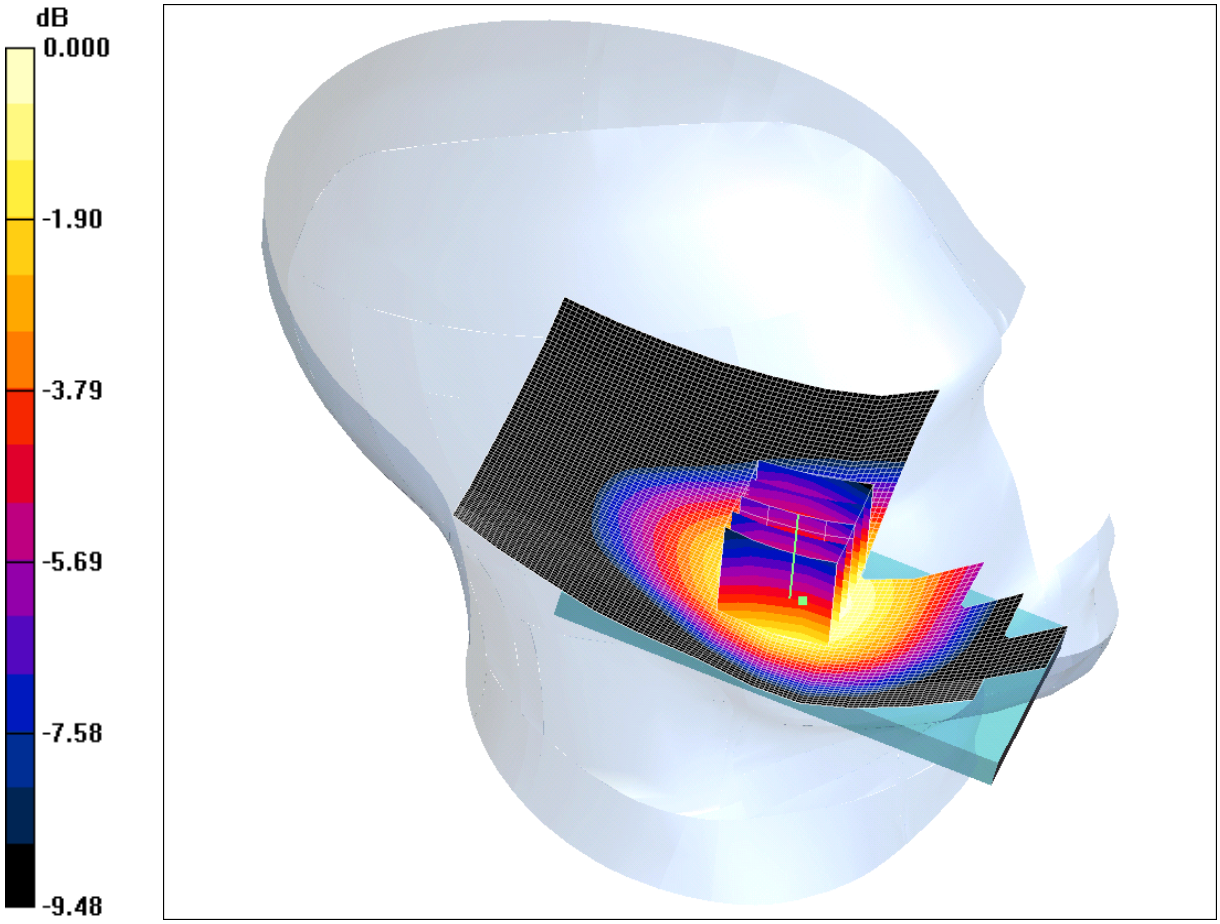
Appendix 3. SAR Distribution Scans

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

Scan Reference Number	Title
SCN/85037JD03/001	Touch Left GSM CH189
SCN/85037JD03/002	Tilt Left GSM CH189
SCN/85037JD03/003	Touch Right GSM CH189
SCN/85037JD03/004	Tilt Right GSM CH189
SCN/85037JD03/005	Touch Right GPRS CH189
SCN/85037JD03/006	Touch Right EGPRS CH189
SCN/85037JD03/007	Front of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85037JD03/008	Rear of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85037JD03/009	Left Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85037JD03/010	Right Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH189
SCN/85037JD03/011	Bottom of EUT Facing Phantom Hotspot Mode GPRS CH189-
SCN/85037JD03/012	Rear of EUT Facing Phantom Hotspot Mode EGPRS CH189
SCN/85037JD03/013	Rear of EUT Facing Phantom Hotspot Mode GSM CH189
SCN/85037JD03/014	Rear of EUT Facing Phantom Hotspot Mode with PHF GPRS CH189
SCN/85037JD03/015	Touch Left PCS CH660
SCN/85037JD03/016	Tilt Left PCS CH660
SCN/85037JD03/017	Touch Right PCS CH660
SCN/85037JD03/018	Tilt Right PCS CH660
SCN/85037JD03/019	Touch Right GPRS CH660
SCN/85037JD03/020	Touch Right EGPRS CH660
SCN/85037JD03/021	Front of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85037JD03/022	Rear of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85037JD03/023	Left Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85037JD03/024	Right Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85037JD03/025	Bottom of EUT Facing Phantom Hotspot Mode GPRS CH660
SCN/85037JD03/026	Rear of EUT Facing Phantom Hotspot Mode EGPRS CH660
SCN/85037JD03/027	Rear of EUT Facing Phantom Hotspot Mode PCS CH660
SCN/85037JD03/028	Rear of EUT Facing Phantom With PHF Hotspot Mode GPRS CH660
SCN/85037JD03/029	Touch Left WLAN 802.11b 1Mbps CH6
SCN/85037JD03/030	Tilt Left WLAN 802.11b 1Mbps CH6
SCN/85037JD03/031	Touch Right WLAN 802.11b 1Mbps CH6
SCN/85037JD03/032	Tilt Right WLAN 802.11b 1Mbps CH6
SCN/85037JD03/033	Tilt Right WLAN 802.11g 6Mbps CH6
SCN/85037JD03/034	Tilt Right WLAN 802.11n 6.5Mbps CH6
SCN/85037JD03/035	Front of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1 Mbps CH6

SCN/85037JD03/036	Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1 Mbps CH6
SCN/85037JD03/037	Left Hand Side of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85037JD03/038	Right Hand Side of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85037JD03/039	Top of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85037JD03/040	Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11g 6Mbps CH6
SCN/85037JD03/041	Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11n 6.5Mbps CH6
SCN/85037JD03/042	Rear of EUT Facing Phantom With PHF Hotspot Mode WLAN 802.11b 1Mbps CH6
SCN/85037JD03/043	System Performance Check 900MHz Head 05 01 12
SCN/85037JD03/044	System Performance Check 900MHz Head 06 01 12
SCN/85037JD03/045	System Performance Check 900MHz Body 09 01 12
SCN/85037JD03/046	System Performance Check 900MHz Body 10 01 12
SCN/85037JD03/047	System Performance Check 900MHz Body 11 01 12
SCN/85037JD03/048	System Performance Check 1900MHz Body 16 01 12
SCN/85037JD03/049	System Performance Check 2450MHz Head 17 01 12
SCN/85037JD03/050	System Performance Check 2450MHz Body 18 01 12
SCN/85037JD03/051	em Performance Check 1900MHz Head 20 01 12
SCN/85037JD03/052	em Performance Check 2450MHz Body 19 01 12
SCN/85037JD03/053	em Performance Check 2450MHz Head 18 01 12

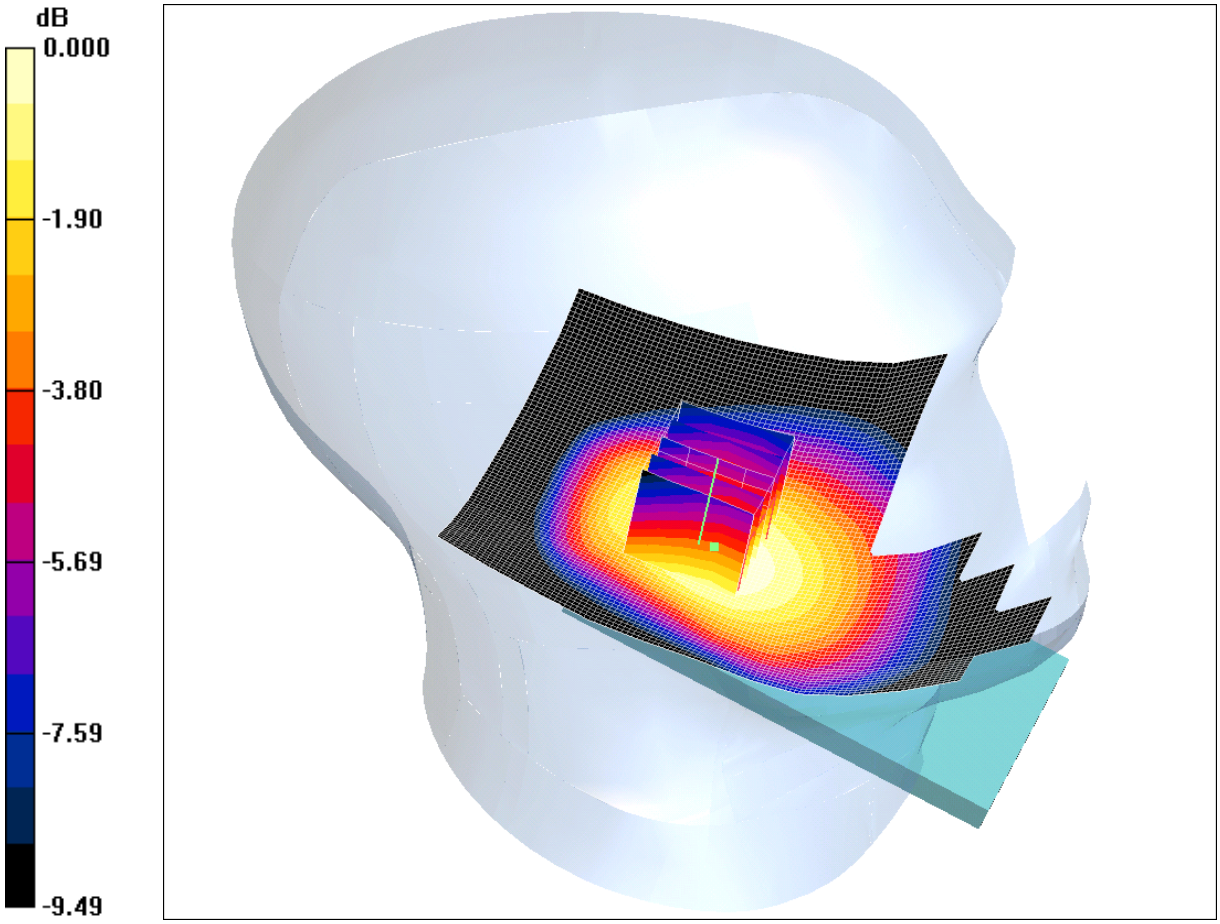
SCN/85037JD03/001: Touch Left GSM CH189
Date 05/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.080mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.080 mW/g
Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.96 V/m; Power Drift = 0.148 dB
Peak SAR (extrapolated) = 0.093 W/kg
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.057 mW/g
Maximum value of SAR (measured) = 0.080 mW/g

SCN/85037JD03/002: Tilt Left GSM CH189
Date 05/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

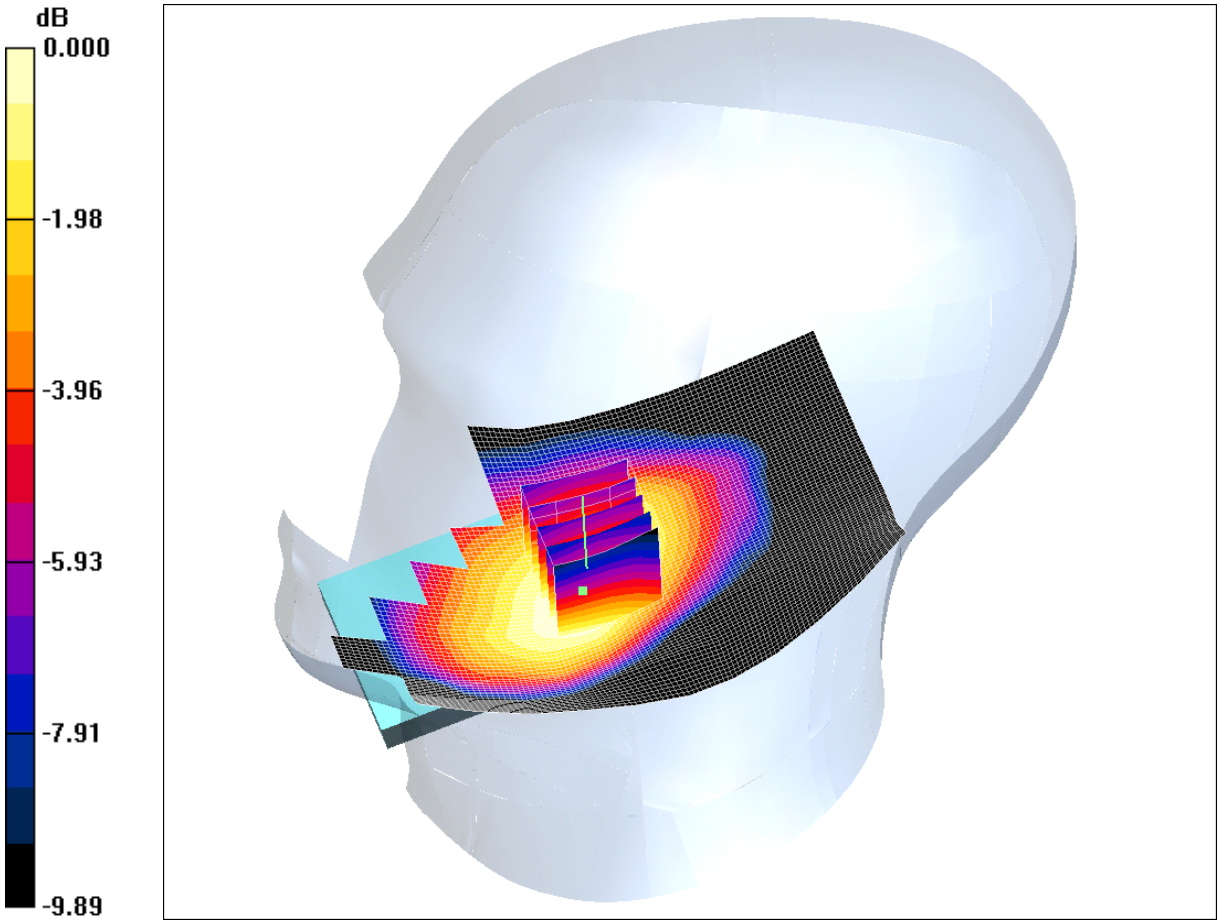


0 dB = 0.053mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.055 mW/g
Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.33 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.062 W/kg
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.053 mW/g

SCN/85037JD03/003: Touch Right GSM CH189
Date 05/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

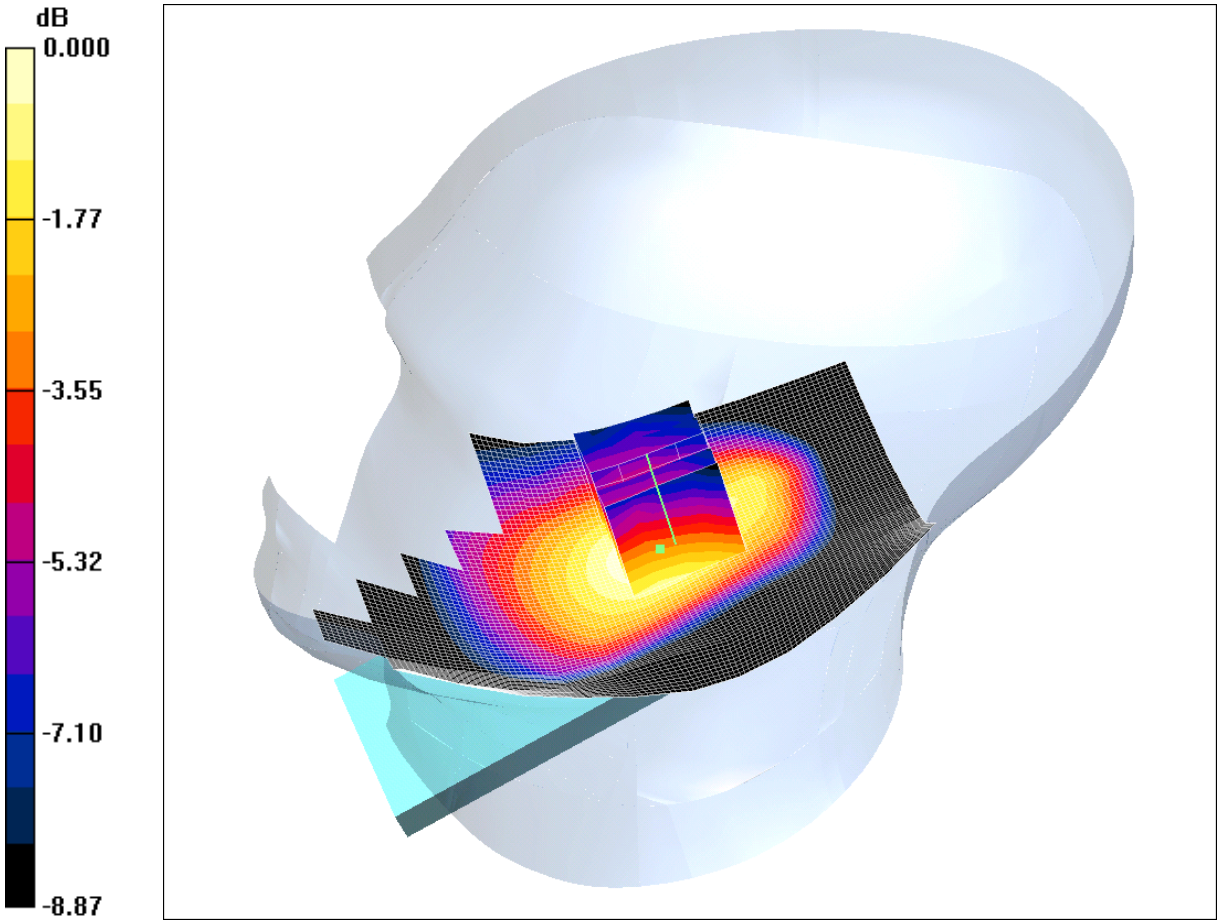


0 dB = 0.085mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.086 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.19 V/m; Power Drift = -0.165 dB
Peak SAR (extrapolated) = 0.103 W/kg
SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.085 mW/g

SCN/85037JD03/004: Tilt Right GSM CH189
Date 05/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

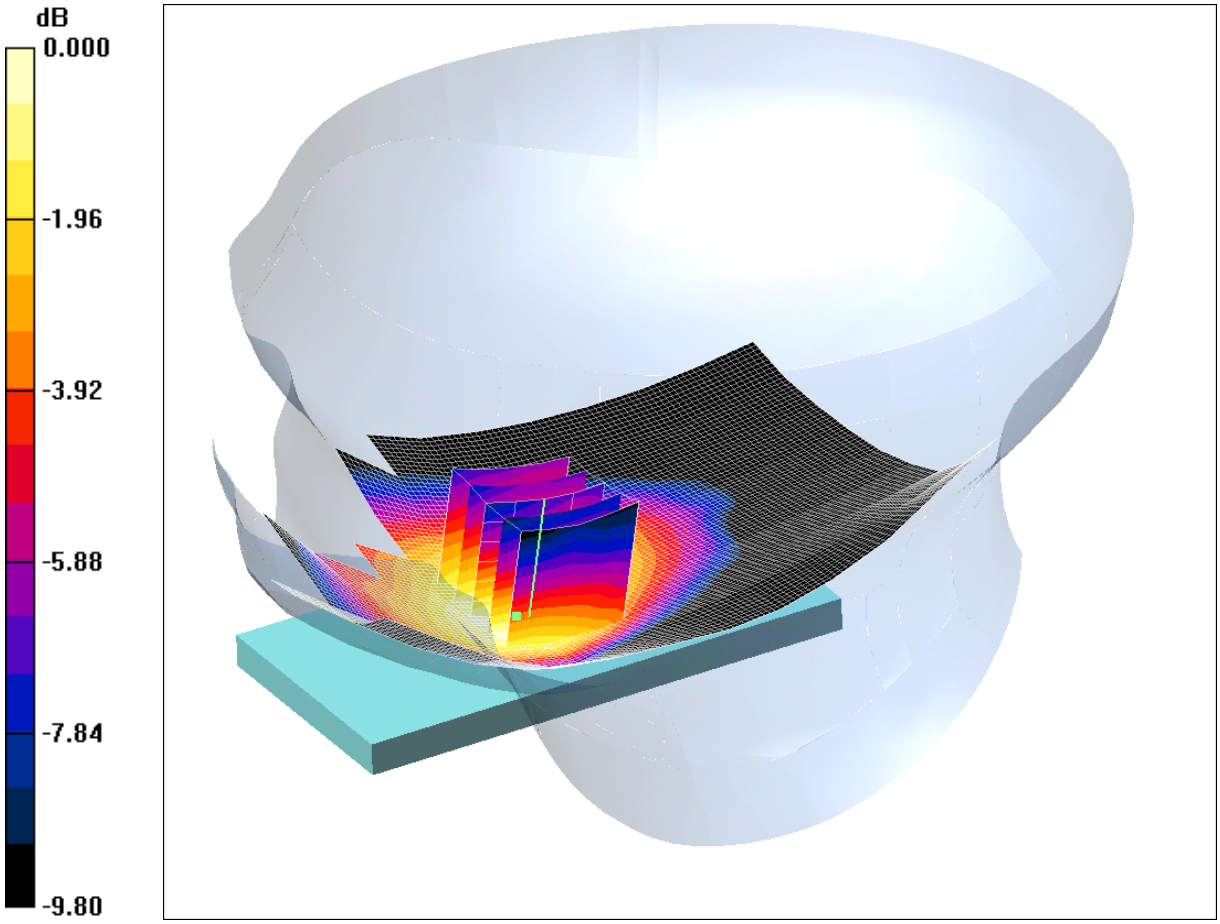


0 dB = 0.057mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.059 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.32 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.064 W/kg
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.041 mW/g
Maximum value of SAR (measured) = 0.057 mW/g

SCN/85037JD03/005: Touch Right GPRS CH189
Date: 06/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

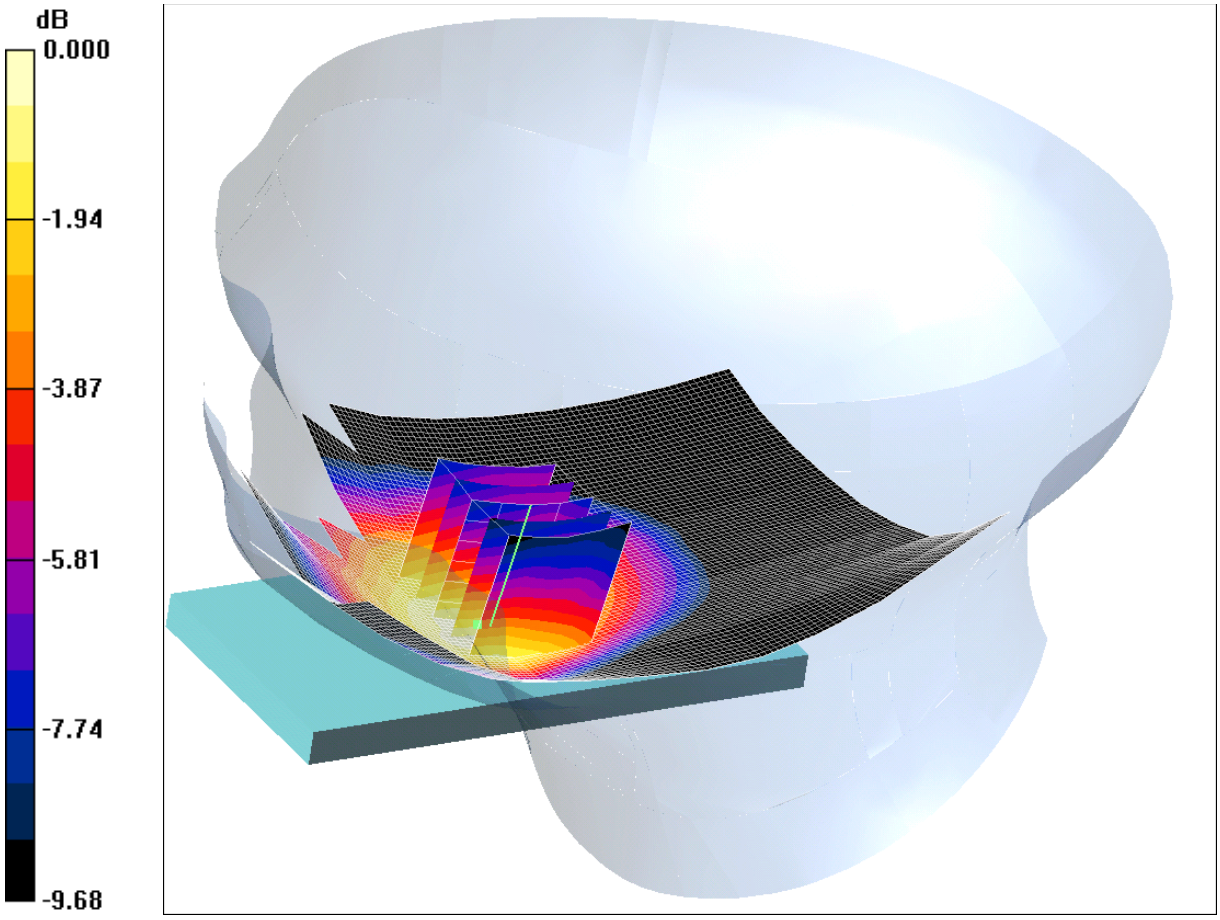


0 dB = 0.102mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.102 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.49 V/m; Power Drift = -0.142 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.102 mW/g

SCN/85037JD03/006: Touch Right EGPRS CH189
Date: 06/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

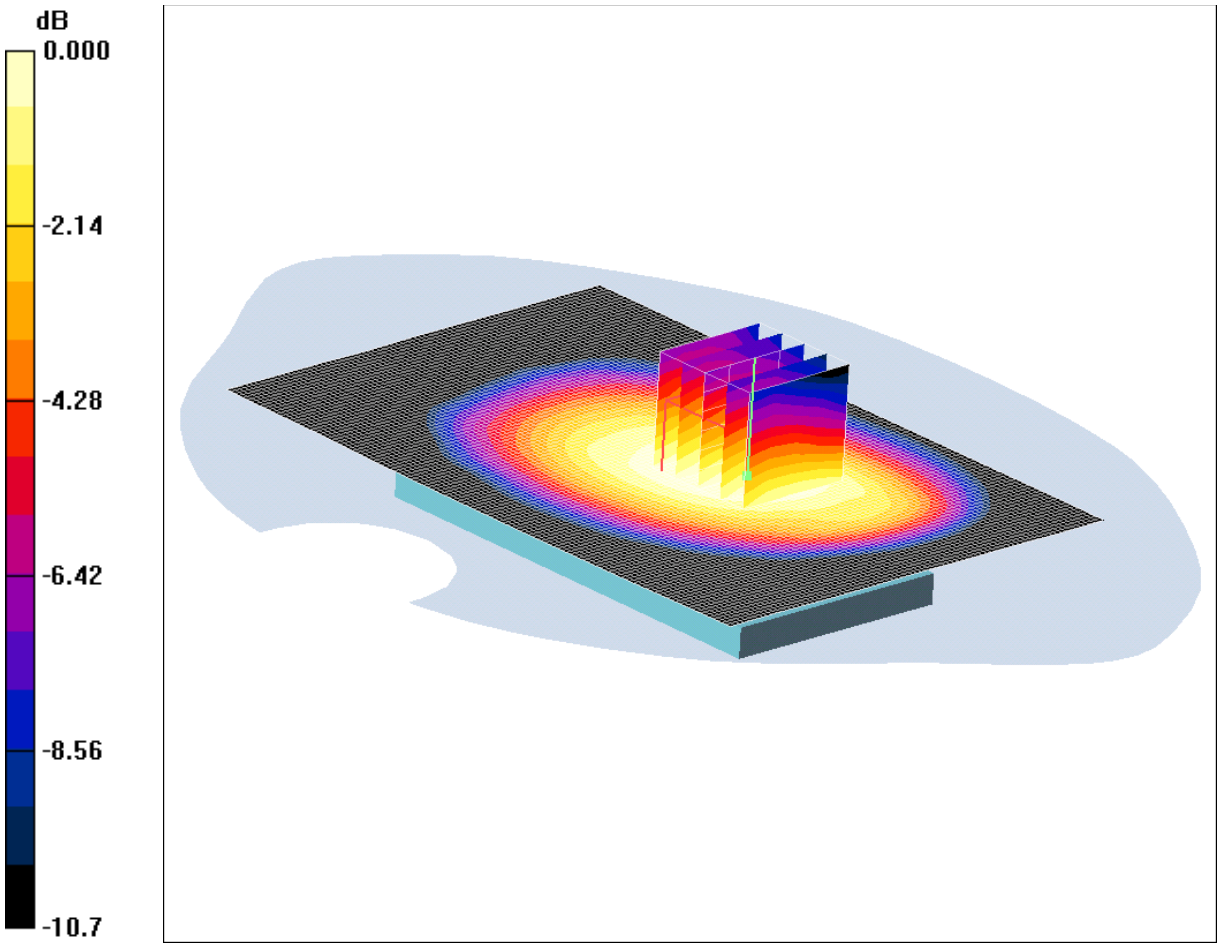


0 dB = 0.108mW/g

Communication System: EGPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz HSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.884 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.108 mW/g
Touch Right - Middle 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.51 V/m; Power Drift = -0.078 dB
Peak SAR (extrapolated) = 0.135 W/kg
SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.108 mW/g

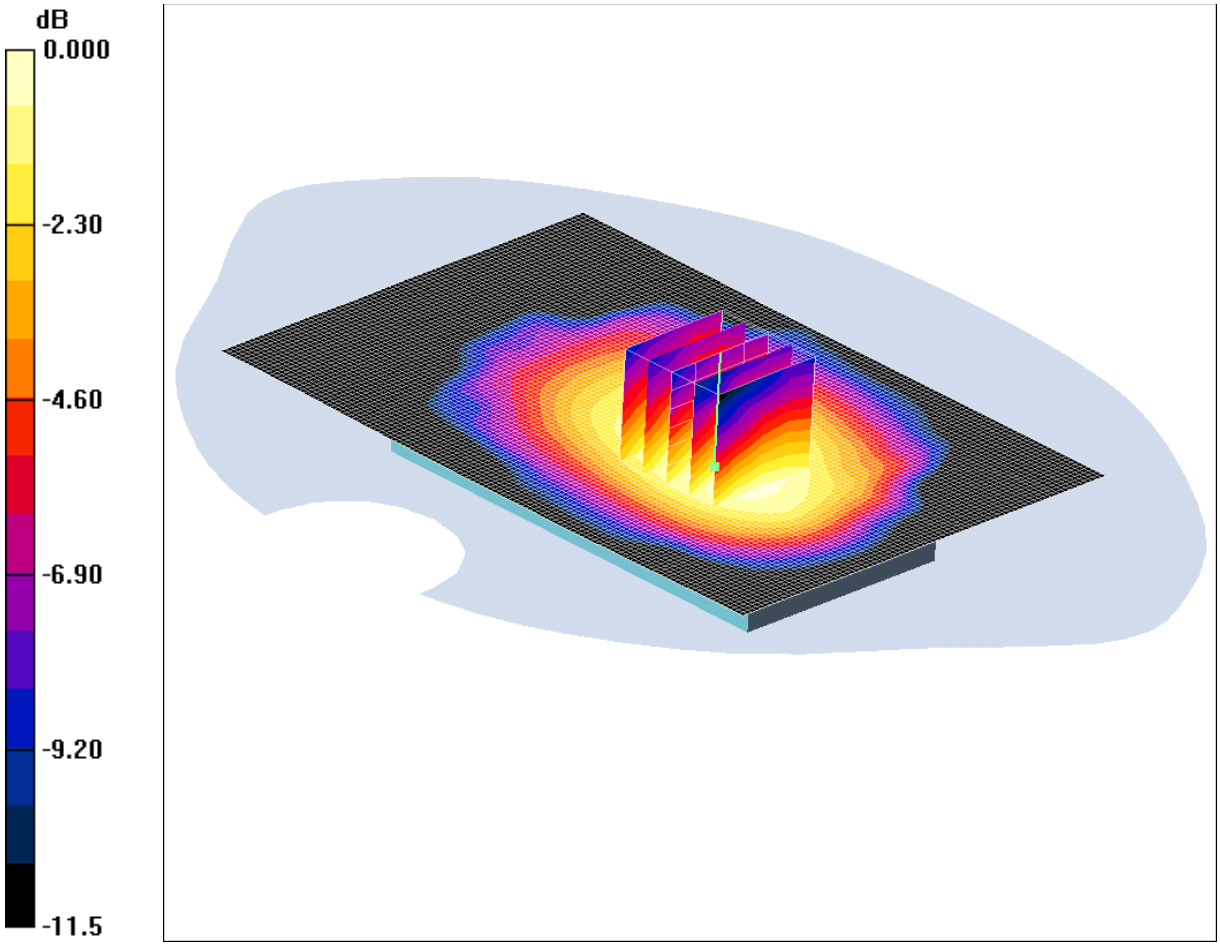
SCN/85037JD03/007: Front of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 09/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.170mW/g
Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.178 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.2 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.207 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.170 mW/g

SCN/85037JD03/008: Rear of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 09/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

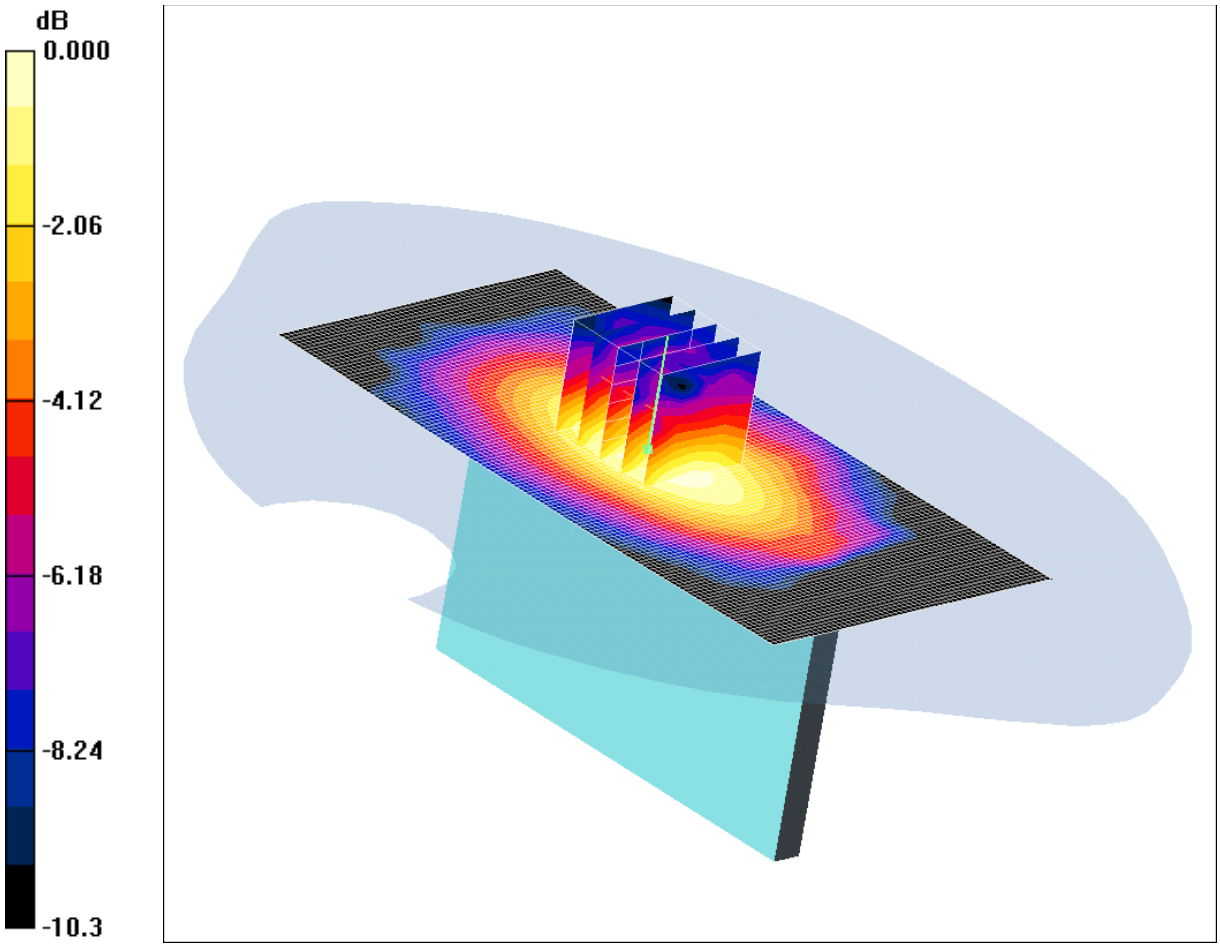


0 dB = 0.179mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.179 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 0.222 W/kg
SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.179 mW/g

SCN/85037JD03/009: Left Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 09/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

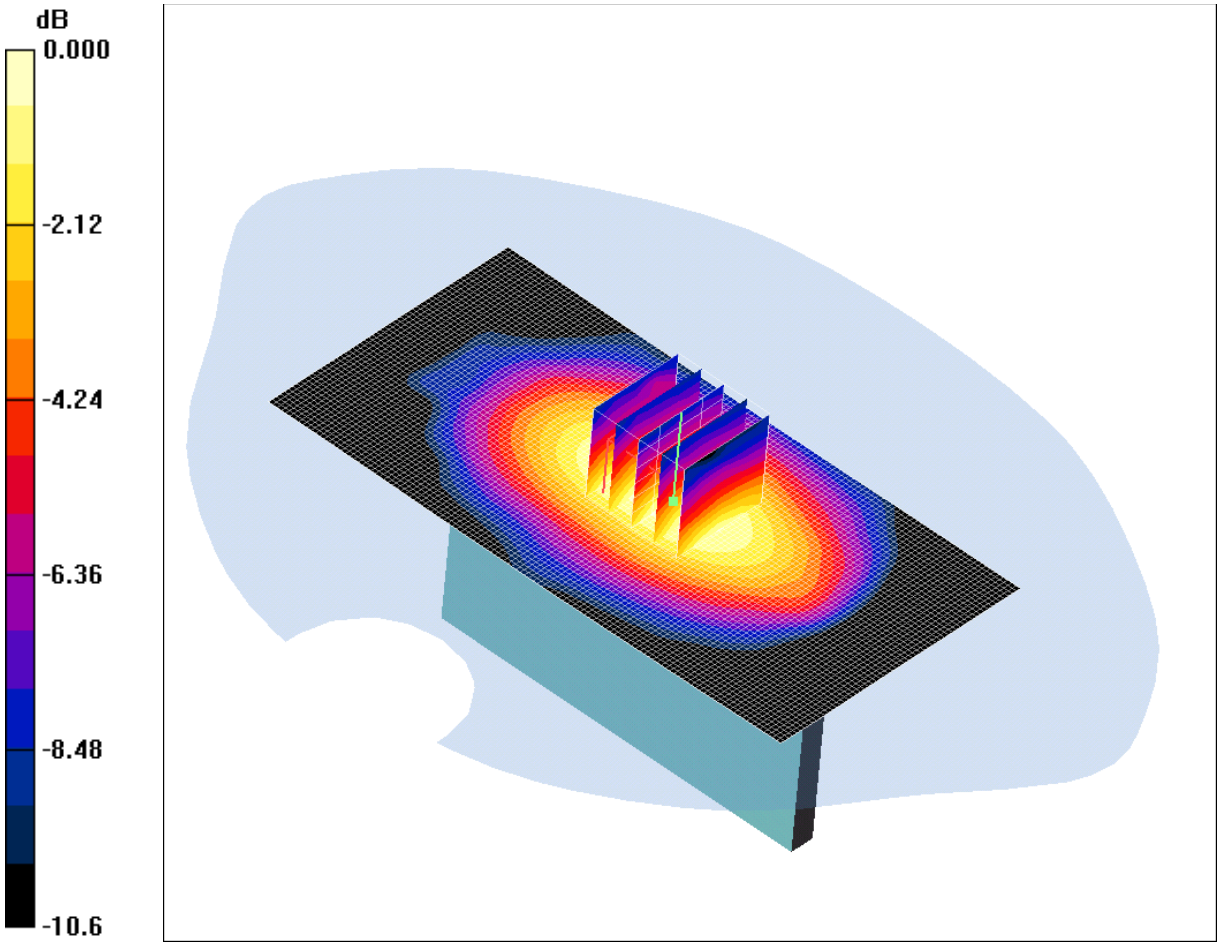


0 dB = 0.071mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.068 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 = 8.67 V/m; Power Drift = 0.138 dB
Peak SAR (extrapolated) = 0.096 W/kg
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.071 mW/g

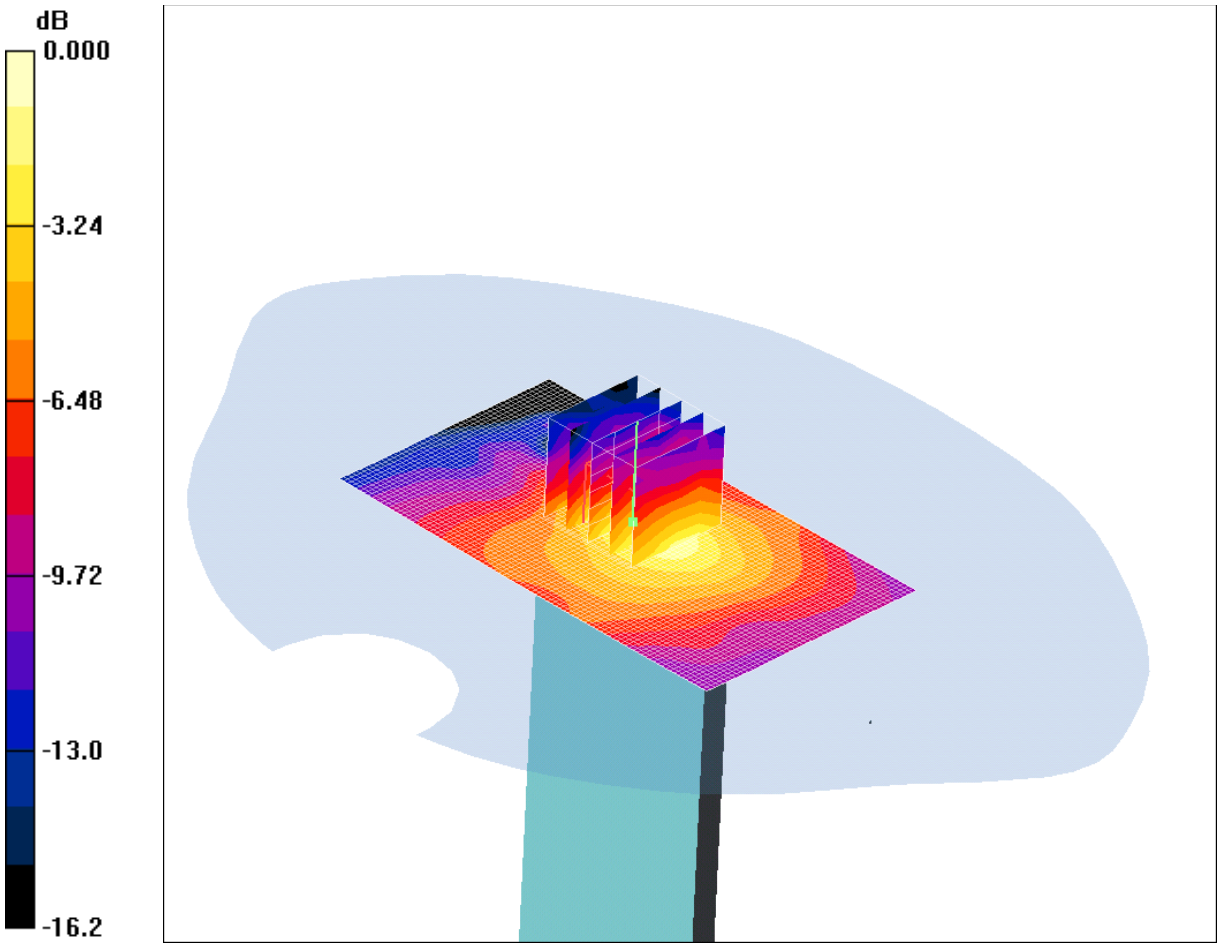
SCN/85037JD03/010: Right Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH189
Date: 10/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.072mW/g
Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

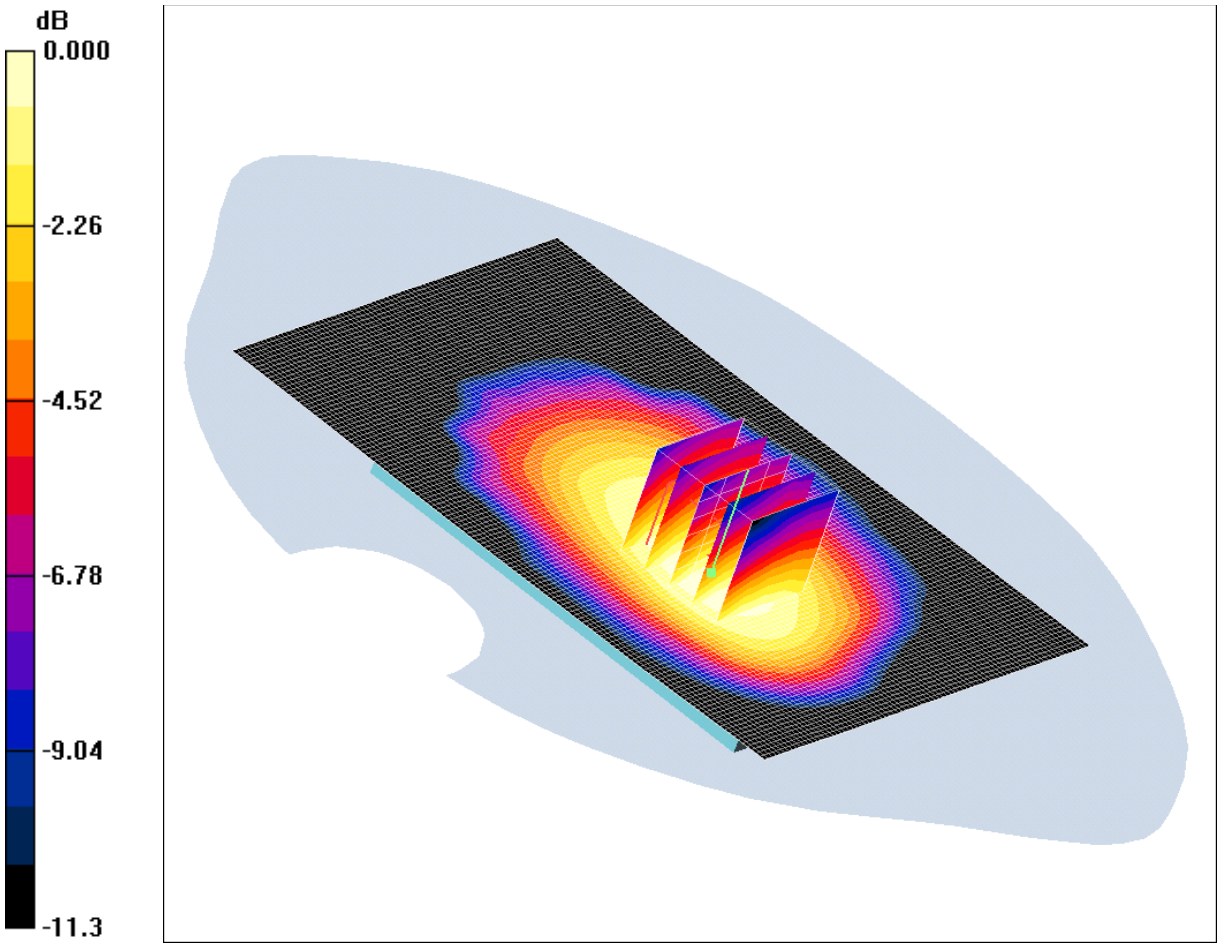
Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.069 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.71 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.088 W/kg
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.072 mW/g

SCN/85037JD03/011: Bottom of EUT Facing Phantom Hotspot Mode GPRS CH189-
Date: 10/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.044mW/g
Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Bottom EUT Facing Phantom - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.050 mW/g
Bottom EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.23 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 0.099 W/kg
SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.044 mW/g

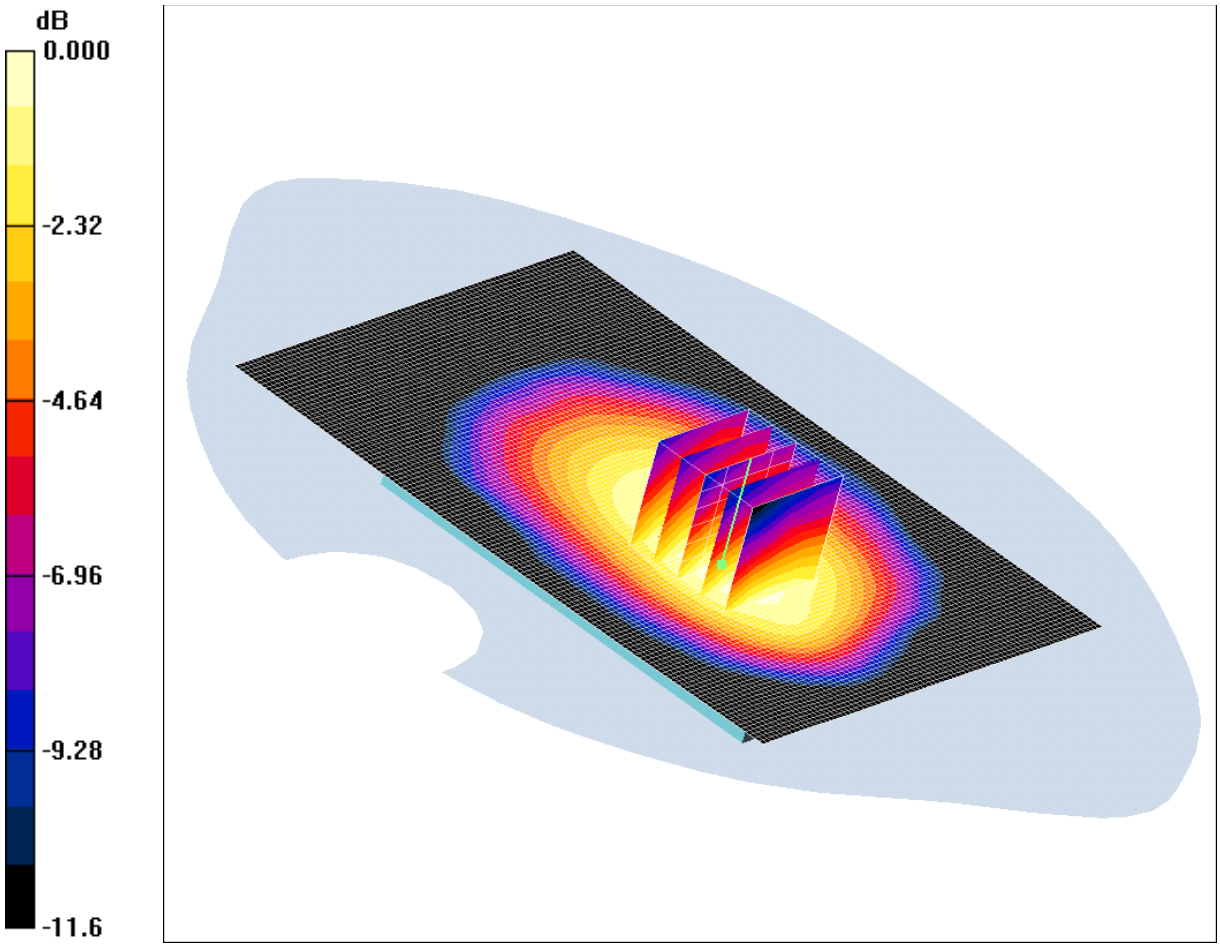
SCN/85037JD03/012: Rear of EUT Facing Phantom Hotspot Mode EGPRS CH189
Date: 10/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.175mW/g
Communication System: EGPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle 2 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.178 mW/g
Rear of EUT Facing Phantom - Middle 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.8 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.175 mW/g

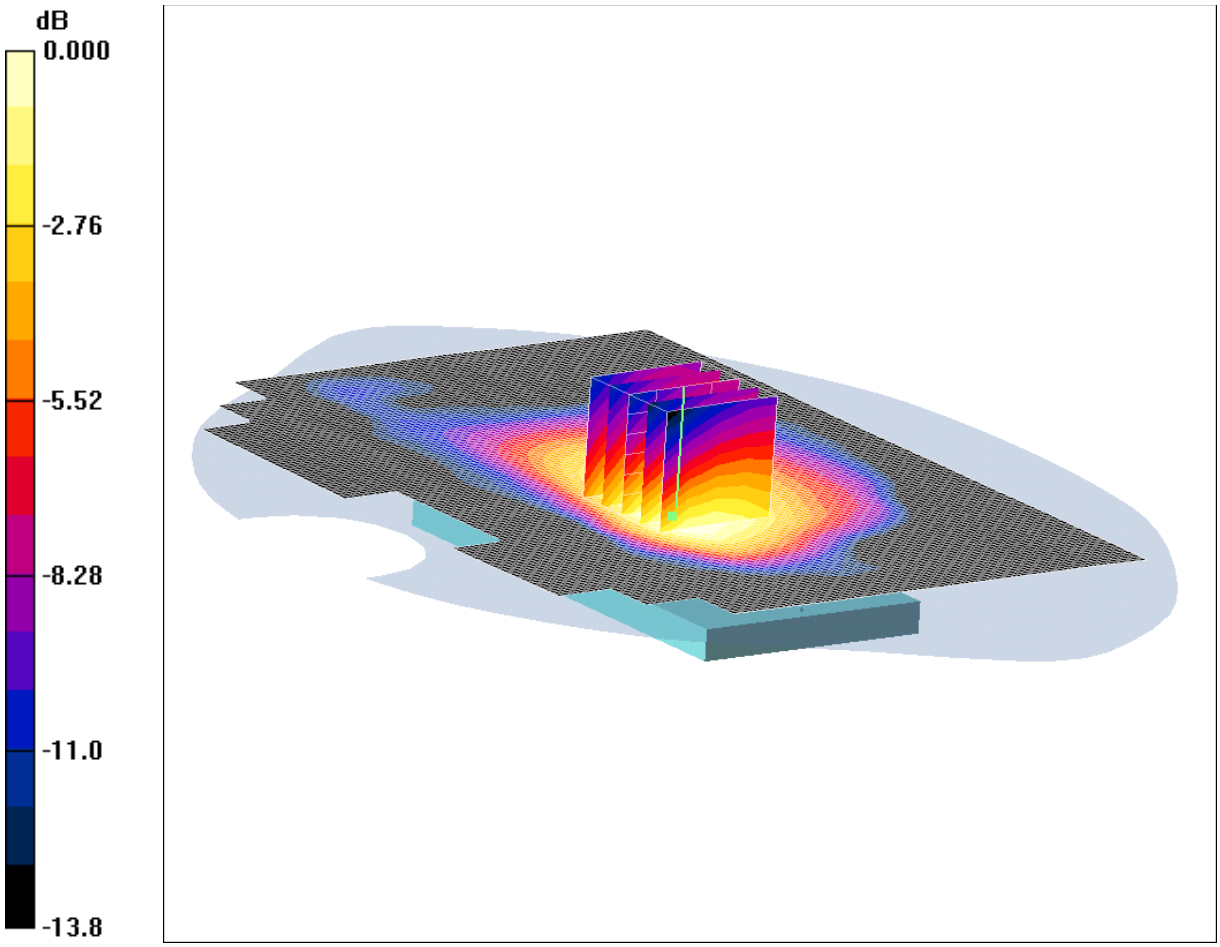
SCN/85037JD03/013: Rear of EUT Facing Phantom Hotspot Mode GSM CH189
Date: 10/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.151mW/g
Communication System: GSM 850 MHz; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.150 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 0.182 W/kg
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.151 mW/g

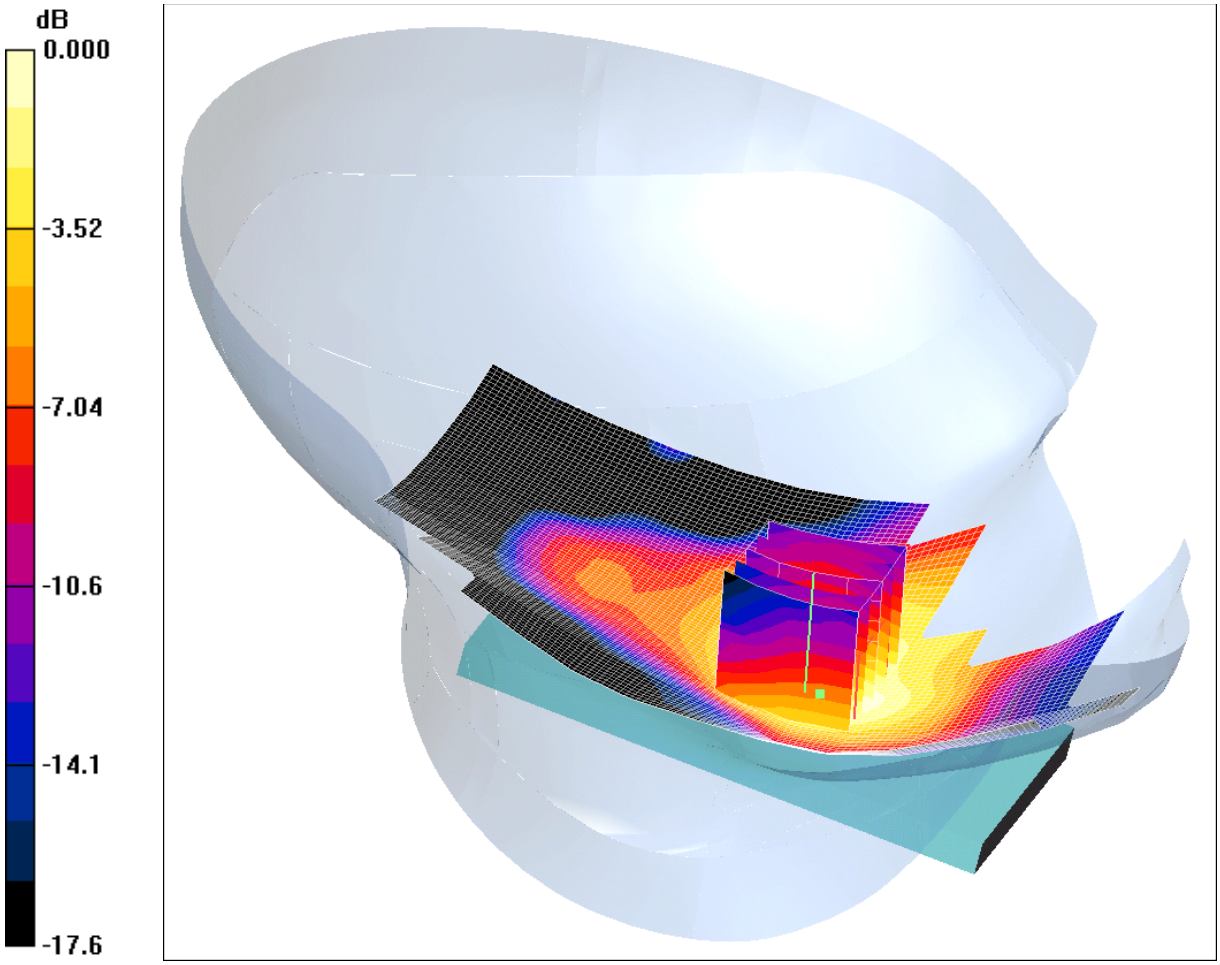
SCN/85037JD03/014: Rear of EUT Facing Phantom Hotspot Mode with PHF GPRS CH189
Date: 11/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.171mW/g
Communication System: GPRS 850 MHz 4TX; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.4 MHz; σ = 1.01 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom with PHF- Middle/Area Scan (101x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.186 mW/g
Rear of EUT Facing Phantom with PHF- Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = -0.207 dB
Peak SAR (extrapolated) = 0.218 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.110 mW/g
Maximum value of SAR (measured) = 0.171 mW/g

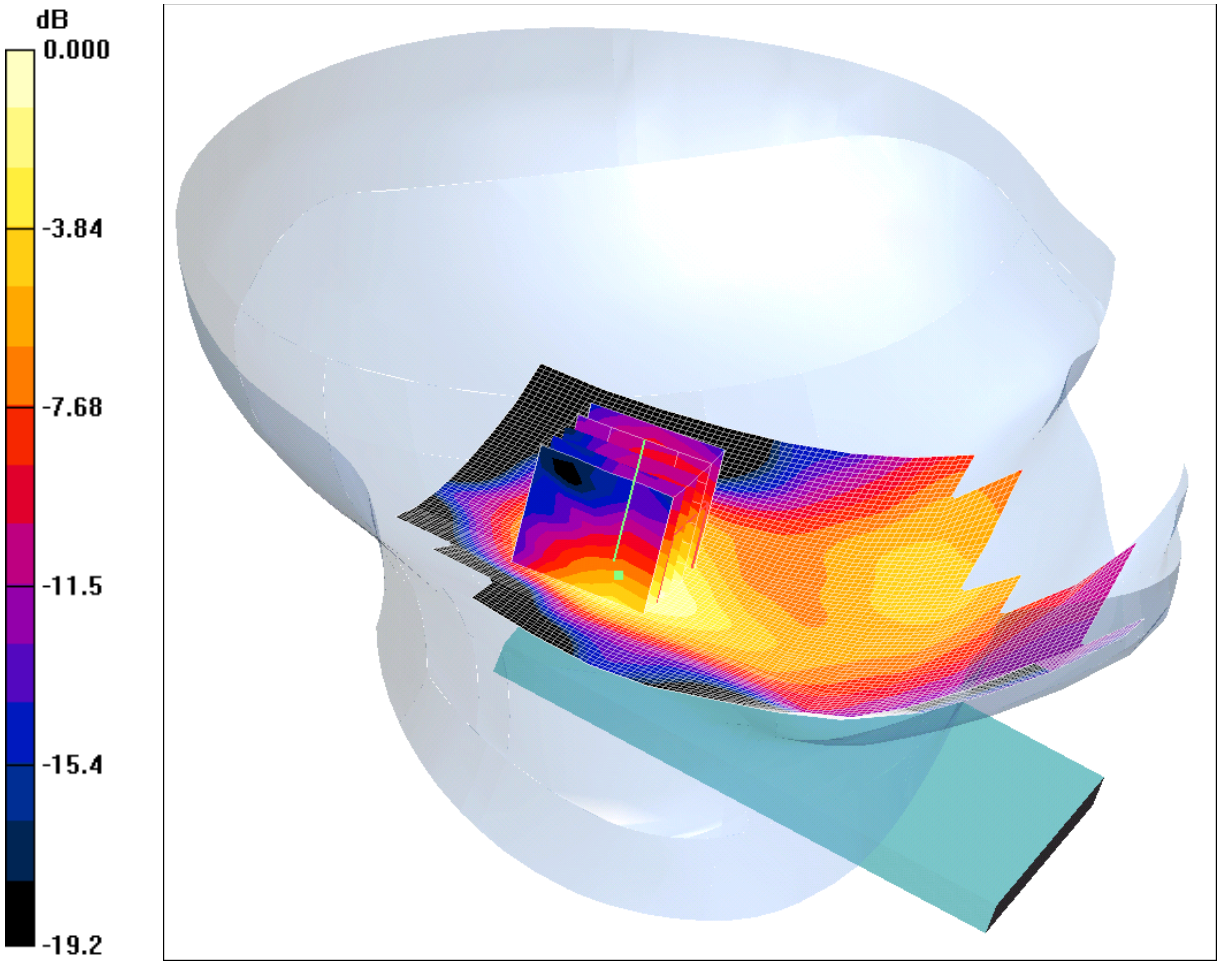
SCN/85037JD03/015: Touch Left PCS CH660
Date: 20/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.233mW/g
Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.43 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.251 mW/g
Touch Left - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.46 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.331 W/kg
SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.136 mW/g
Maximum value of SAR (measured) = 0.233 mW/g

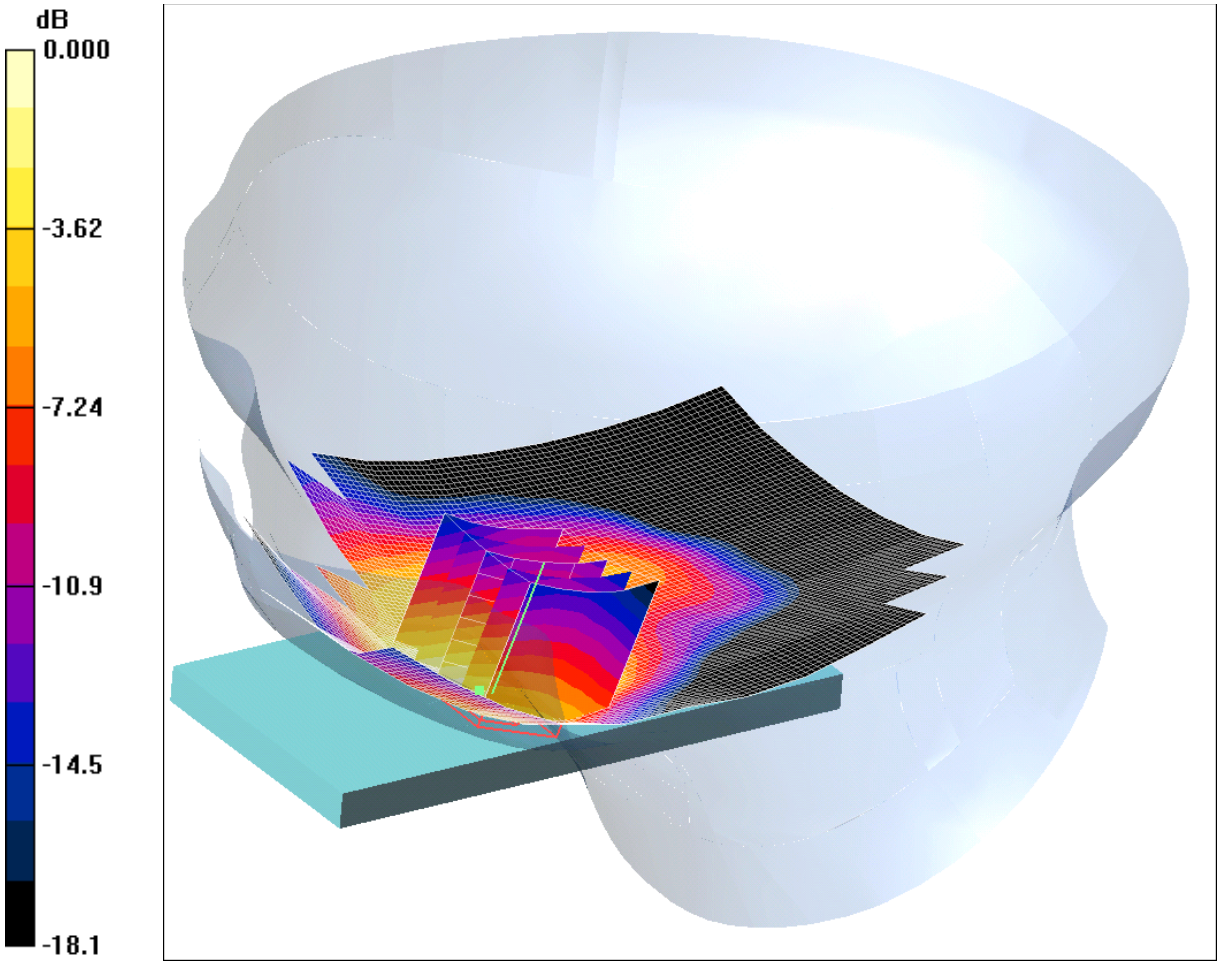
SCN/85037JD03/016: Tilt Left PCS CH660
Date: 20/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.112mW/g
Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.43 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

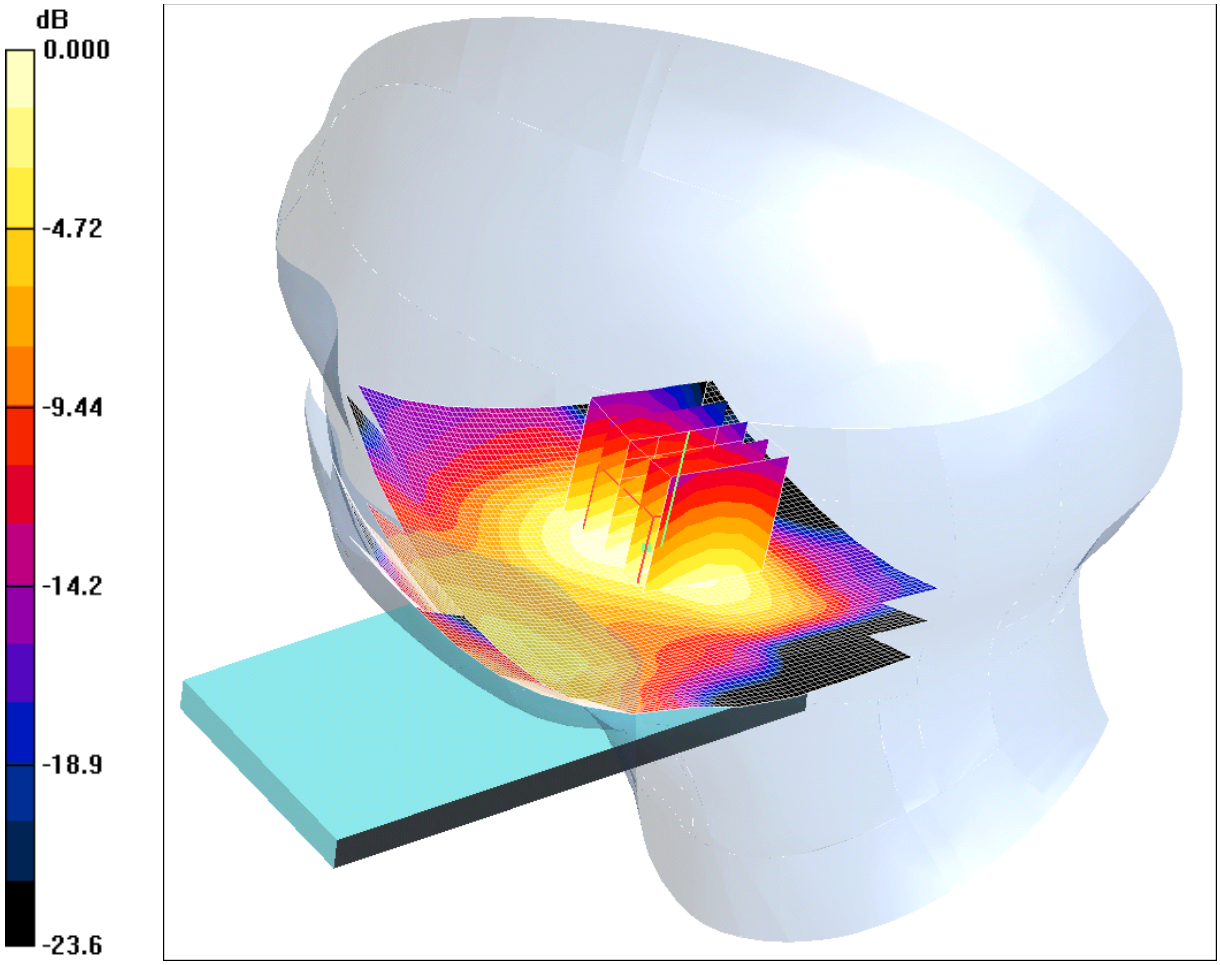
Tilt Left - Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.119 mW/g
Tilt Left - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.35 V/m; Power Drift = -0.195 dB
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.063 mW/g
Maximum value of SAR (measured) = 0.112 mW/g

SCN/85037JD03/017: Touch Right PCS CH660
Date: 20/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.302mW/g
Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.43 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.329 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.08 V/m; Power Drift = -0.199 dB
Peak SAR (extrapolated) = 0.432 W/kg
SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.302 mW/g

SCN/85037JD03/018: Tilt Right PCS CH660
Date: 20/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

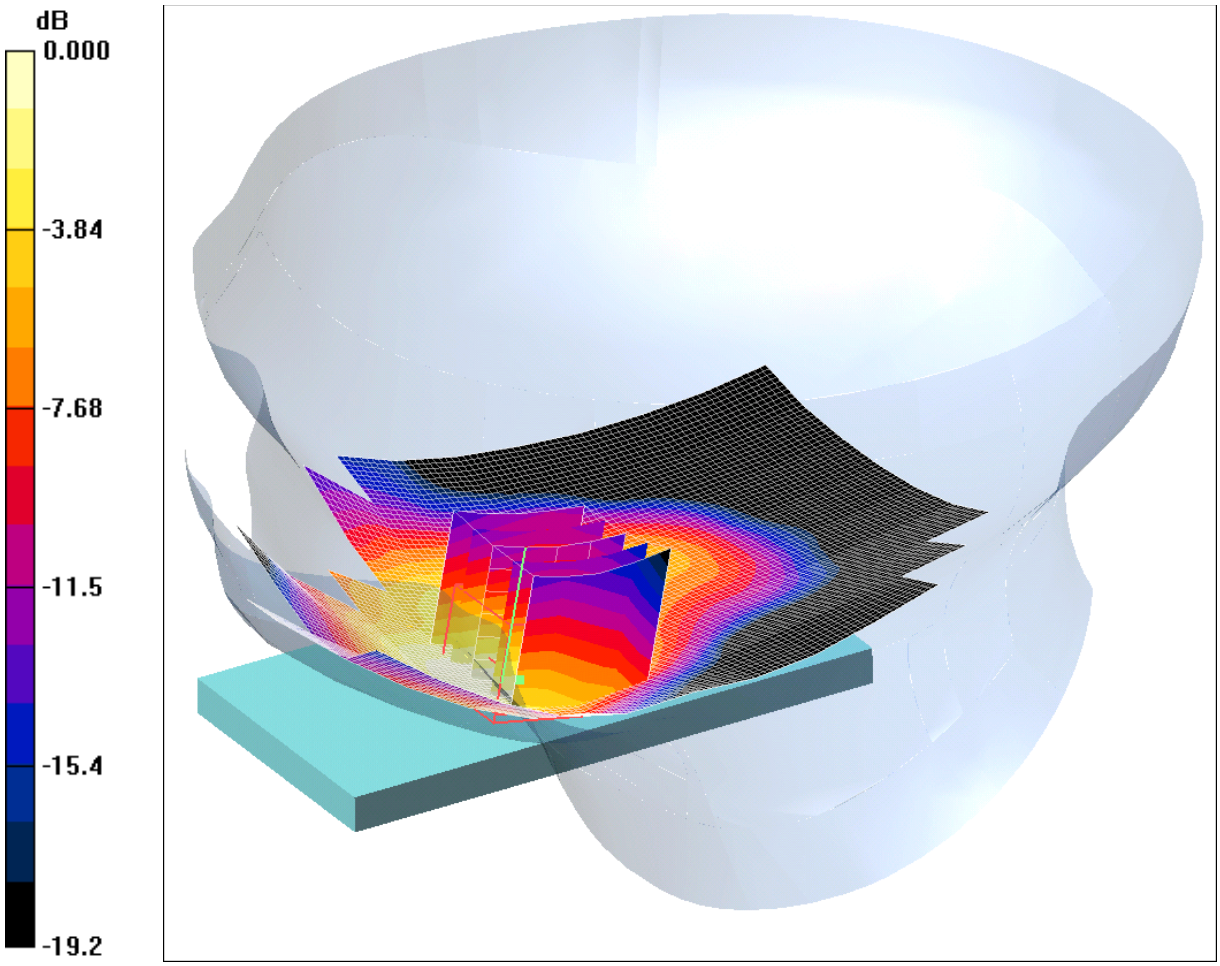


0 dB = 0.146mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.43 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.167 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.76 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.222 W/kg
SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.146 mW/g

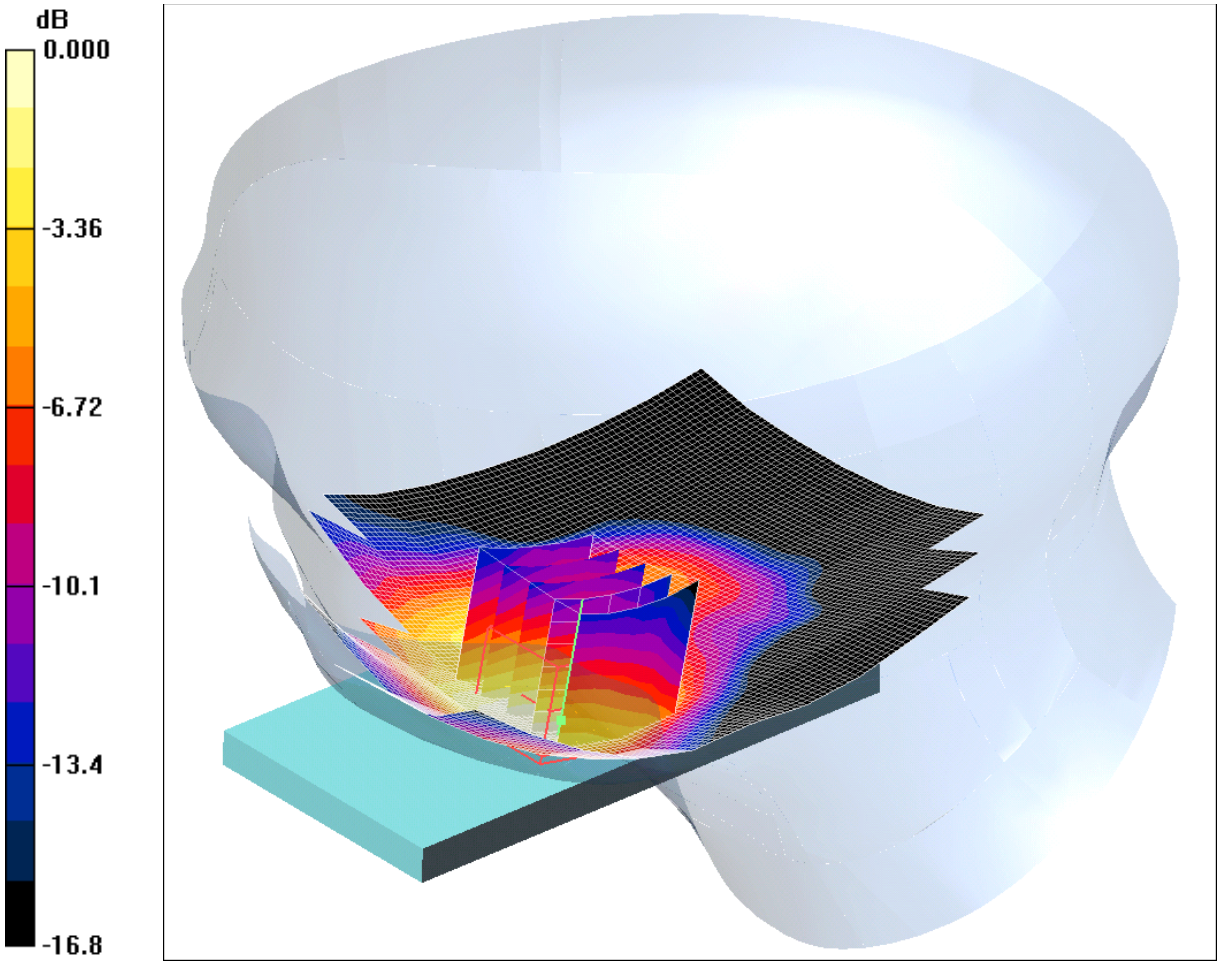
SCN/85037JD03/019: Touch Right GPRS CH660
Date: 20/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.334mW/g
Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.43 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.350 mW/g
Touch Right - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.16 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 0.483 W/kg
SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 0.334 mW/g

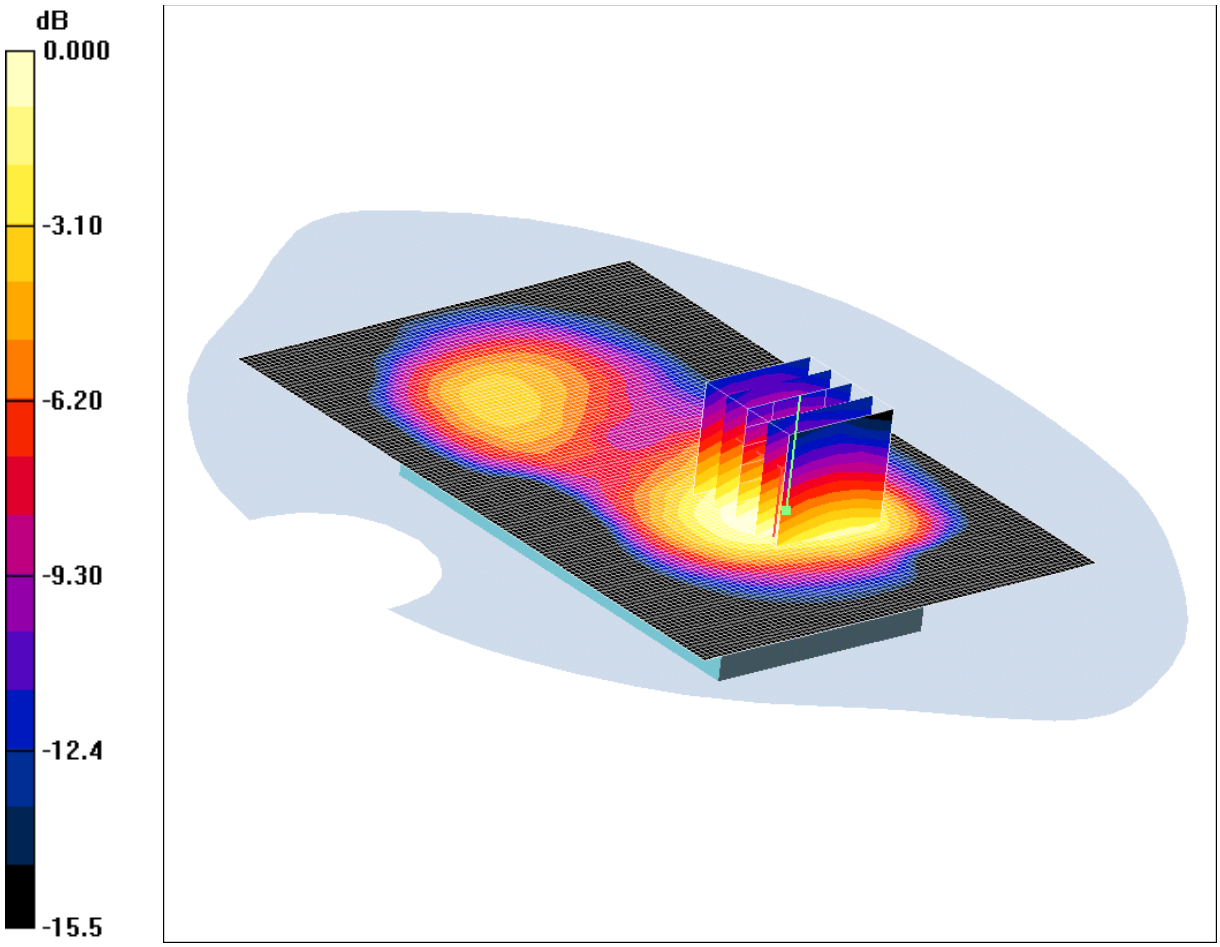
SCN/85037JD03/020: Touch Right EGPRS CH660
Date: 20/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.348mW/g
Communication System: EGPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.43 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle 2 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.362 mW/g
Touch Right - Middle 2 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.39 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 0.513 W/kg
SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.206 mW/g
Maximum value of SAR (measured) = 0.348 mW/g

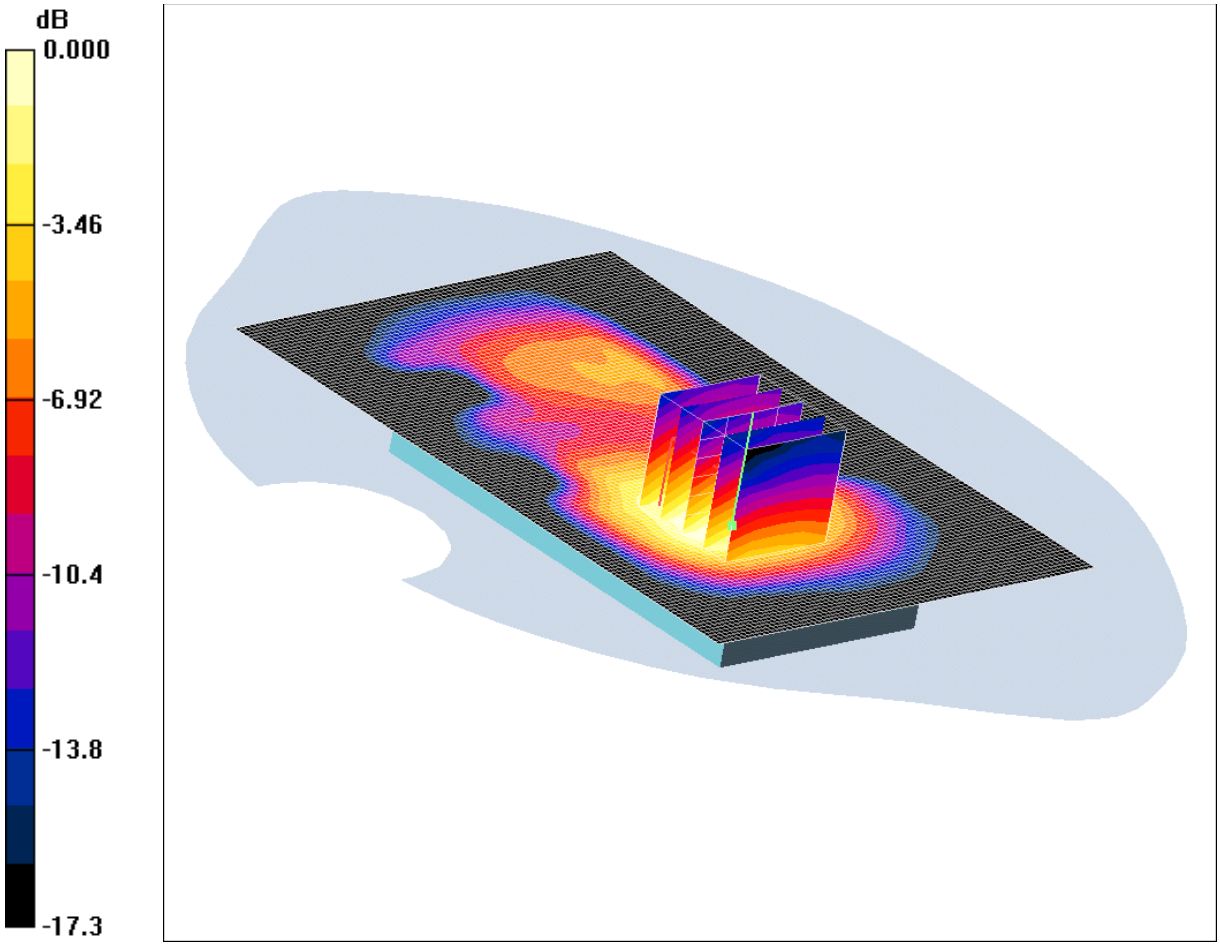
SCN/85037JD03/021: Front of EUT Facing Phantom Hotspot Mode GPRS CH660
Date: 16/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.408mW/g
Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.422 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.75 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.565 W/kg
SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.408 mW/g

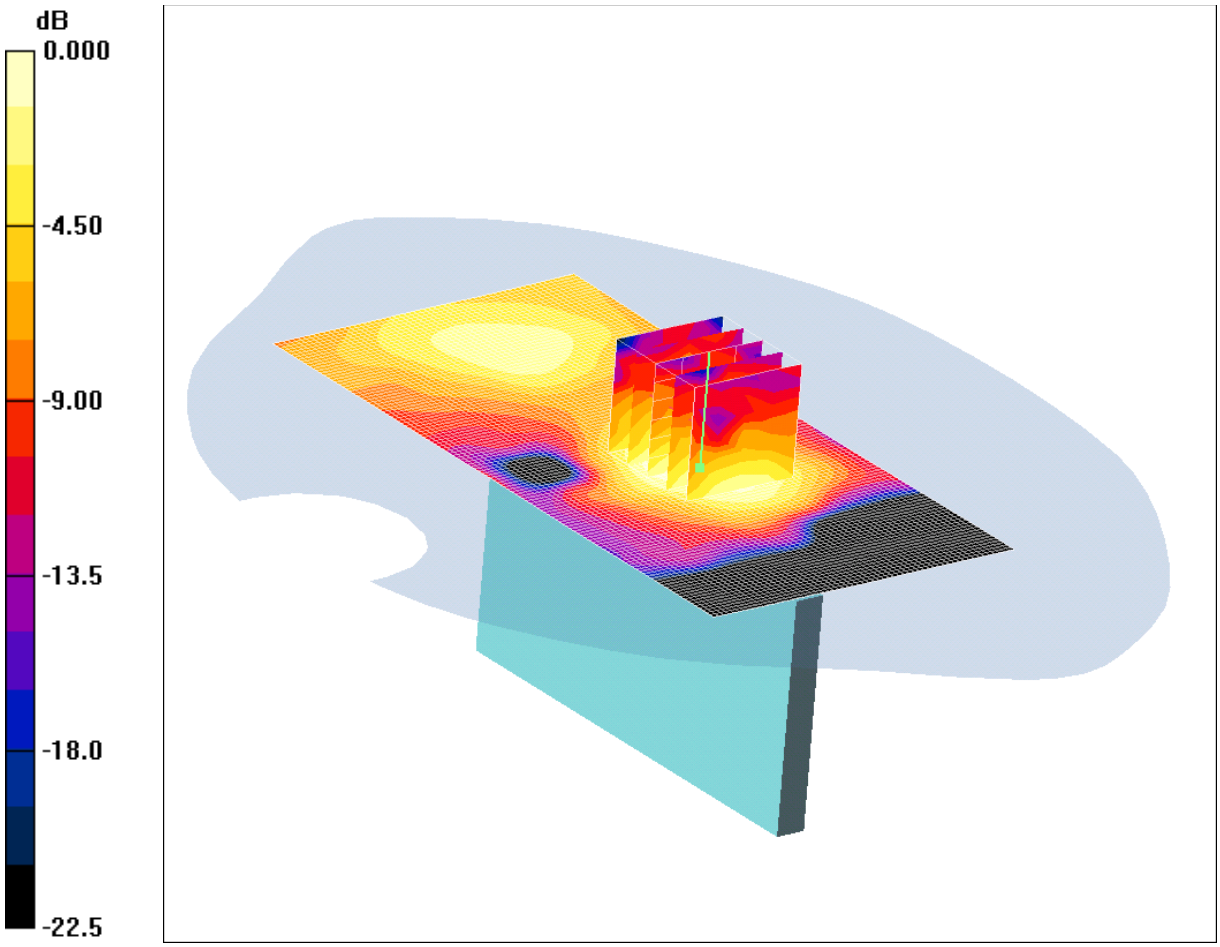
SCN/85037JD03/022: Rear of EUT Facing Phantom Hotspot Mode GPRS CH660
Date: 16/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.585mW/g
Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.611 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.36 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.856 W/kg
SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.335 mW/g
Maximum value of SAR (measured) = 0.585 mW/g

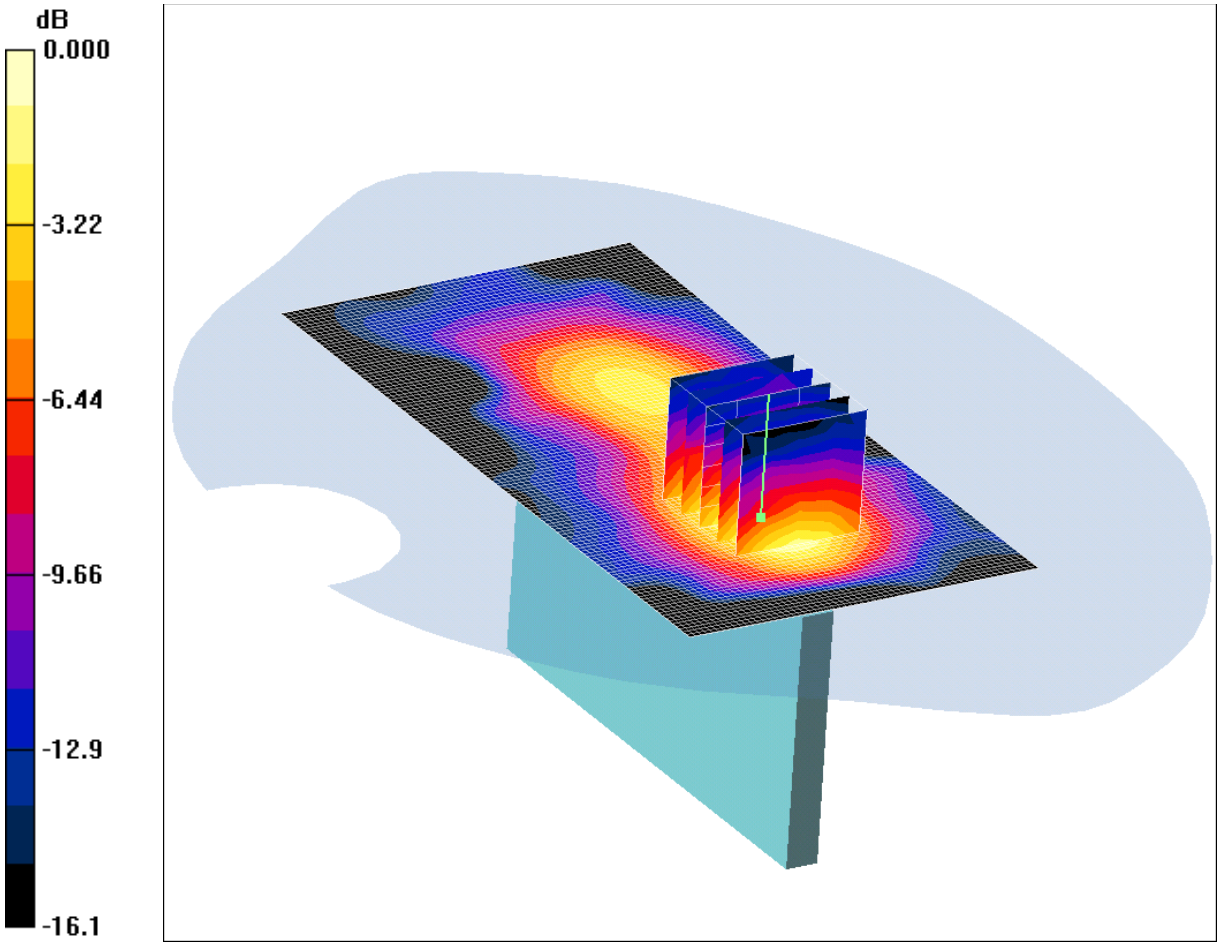
SCN/85037JD03/023: Left Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH660
Date: 16/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.062mW/g
Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.063 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 = 5.97 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 0.098 W/kg
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.062 mW/g

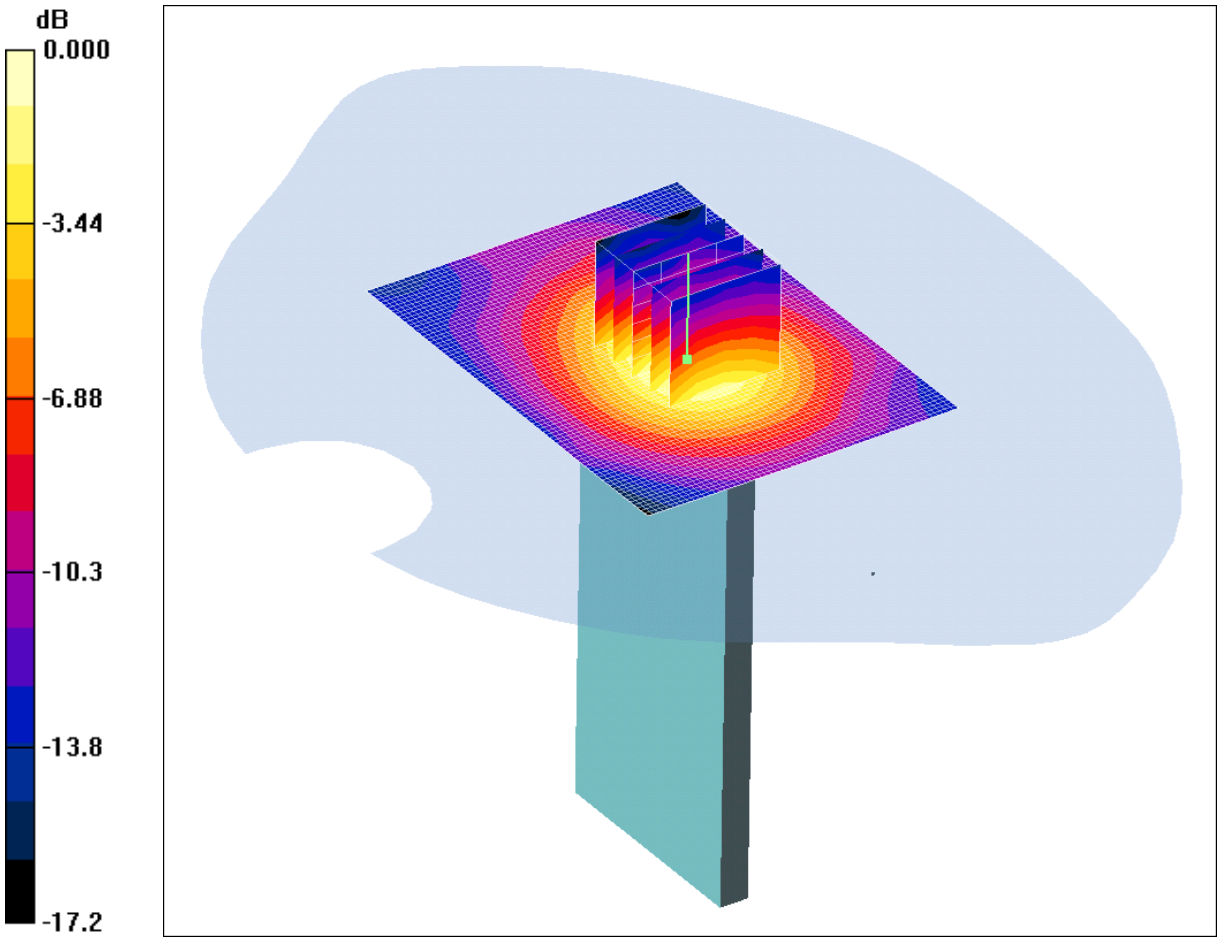
SCN/85037JD03/024: Right Hand Side of EUT Facing Phantom Hotspot Mode GPRS CH660
Date 16/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.179mW/g
Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.188 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.26 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.179 mW/g

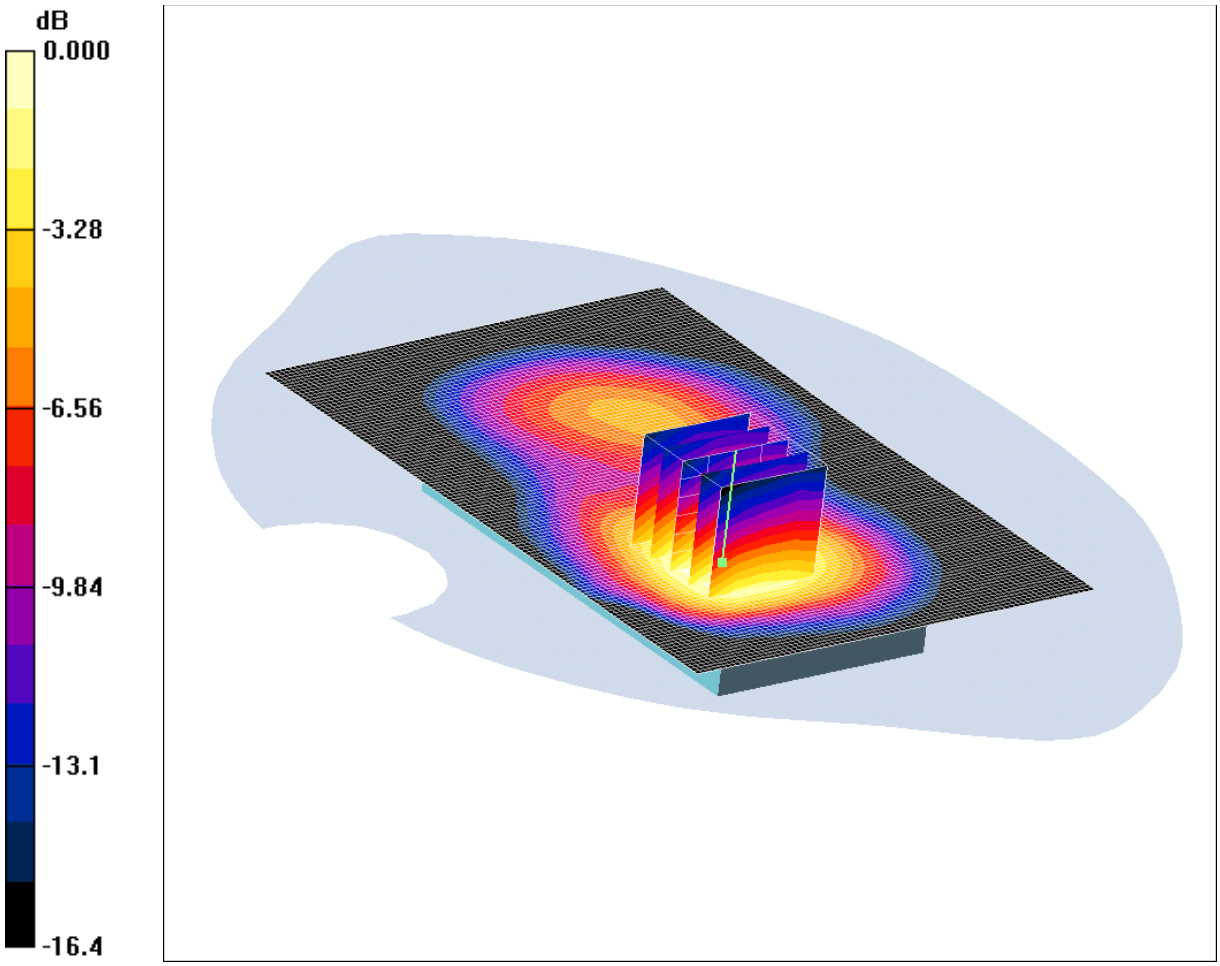
SCN/85037JD03/025: Bottom of EUT Facing Phantom Hotspot Mode GPRS CH660
Date 16/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.229mW/g
Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Bottom of EUT Facing Phantom - Middle/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.237 mW/g
Bottom of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.0 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.229 mW/g

SCN/85037JD03/026: Rear of EUT Facing Phantom Hotspot Mode EGPRS CH660
Date 16/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

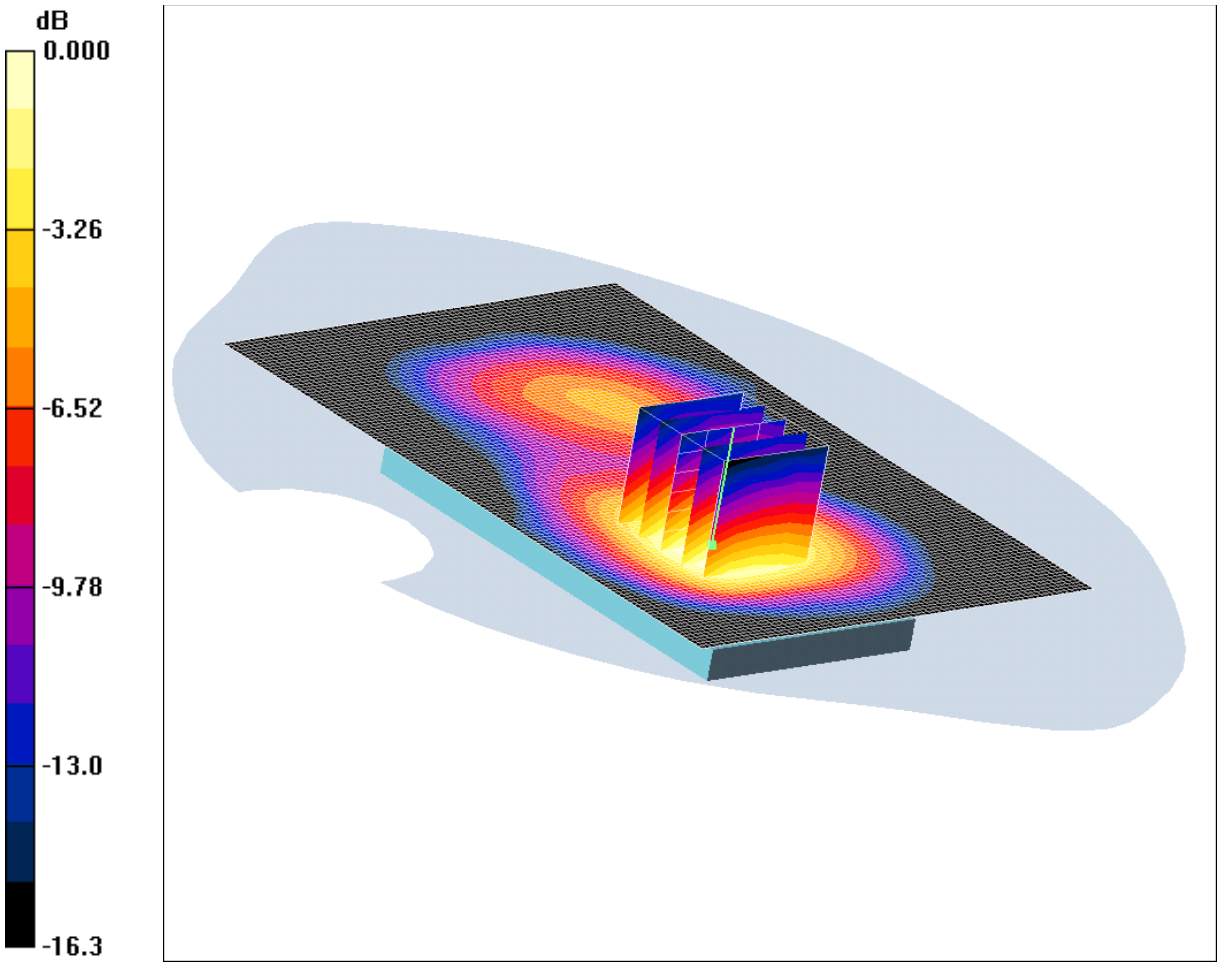


0 dB = 0.581mW/g

Communication System: EGPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.593 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.52 V/m; Power Drift = 0.156 dB
Peak SAR (extrapolated) = 0.876 W/kg
SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 0.581 mW/g

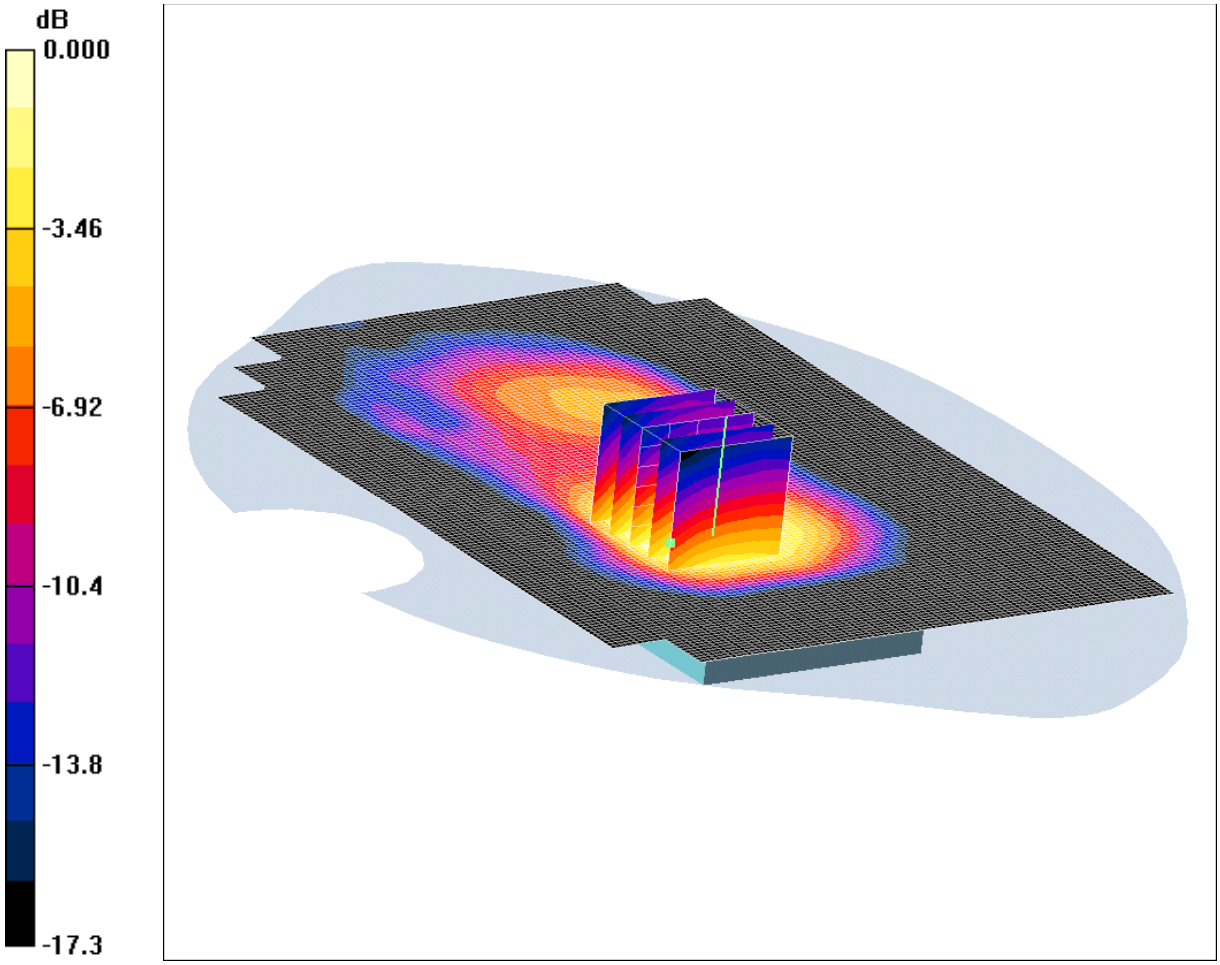
SCN/85037JD03/027: Rear of EUT Facing Phantom Hotspot Mode PCS CH660
Date 16/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.510mW/g
Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.516 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.96 V/m; Power Drift = 0.146 dB
Peak SAR (extrapolated) = 0.756 W/kg
SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 0.510 mW/g

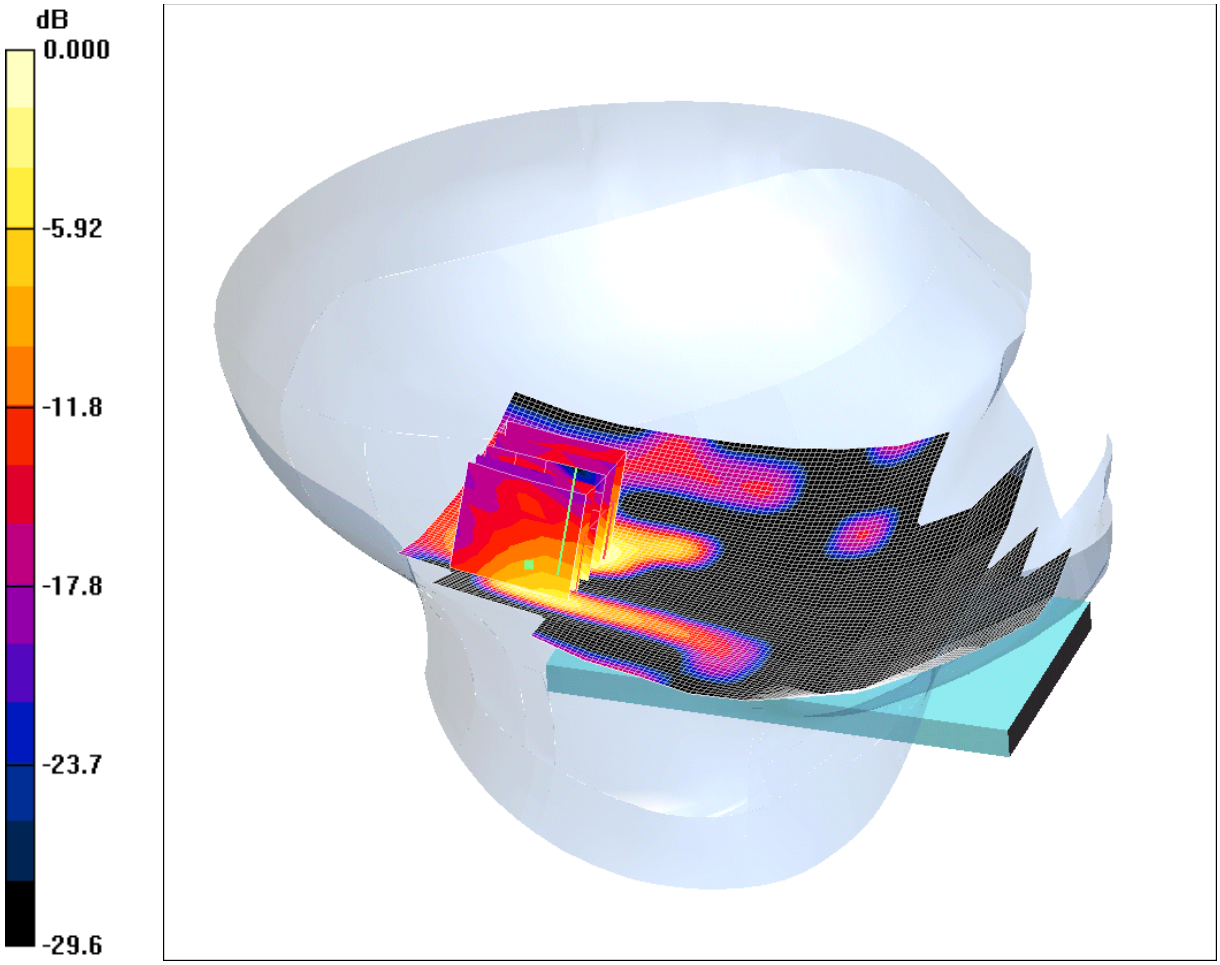
SCN/85037JD03/028: Rear of EUT Facing Phantom With PHF Hotspot Mode GPRS CH660
Date 16/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.614mW/g
Communication System: GPRS 1900 4Tx; Frequency: 1879.8 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom With PHF - Middle/Area Scan (101x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.683 mW/g
Rear of EUT Facing Phantom With PHF - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.930 W/kg
SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.351 mW/g
Maximum value of SAR (measured) = 0.614 mW/g

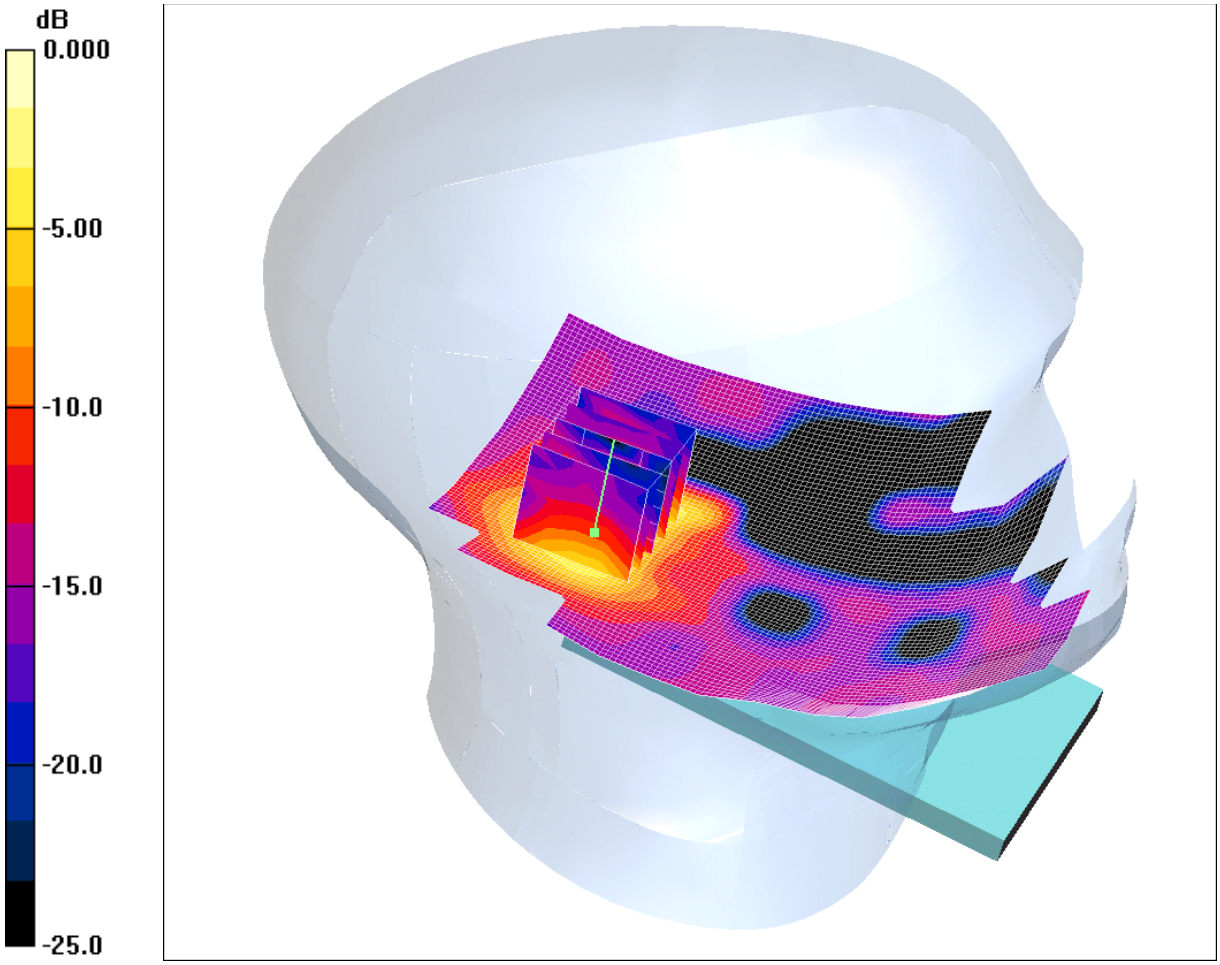
SCN/85037JD03/029: Touch Left WLAN 802.11b 1Mbps CH6
Date: 17/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.065mW/g
Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

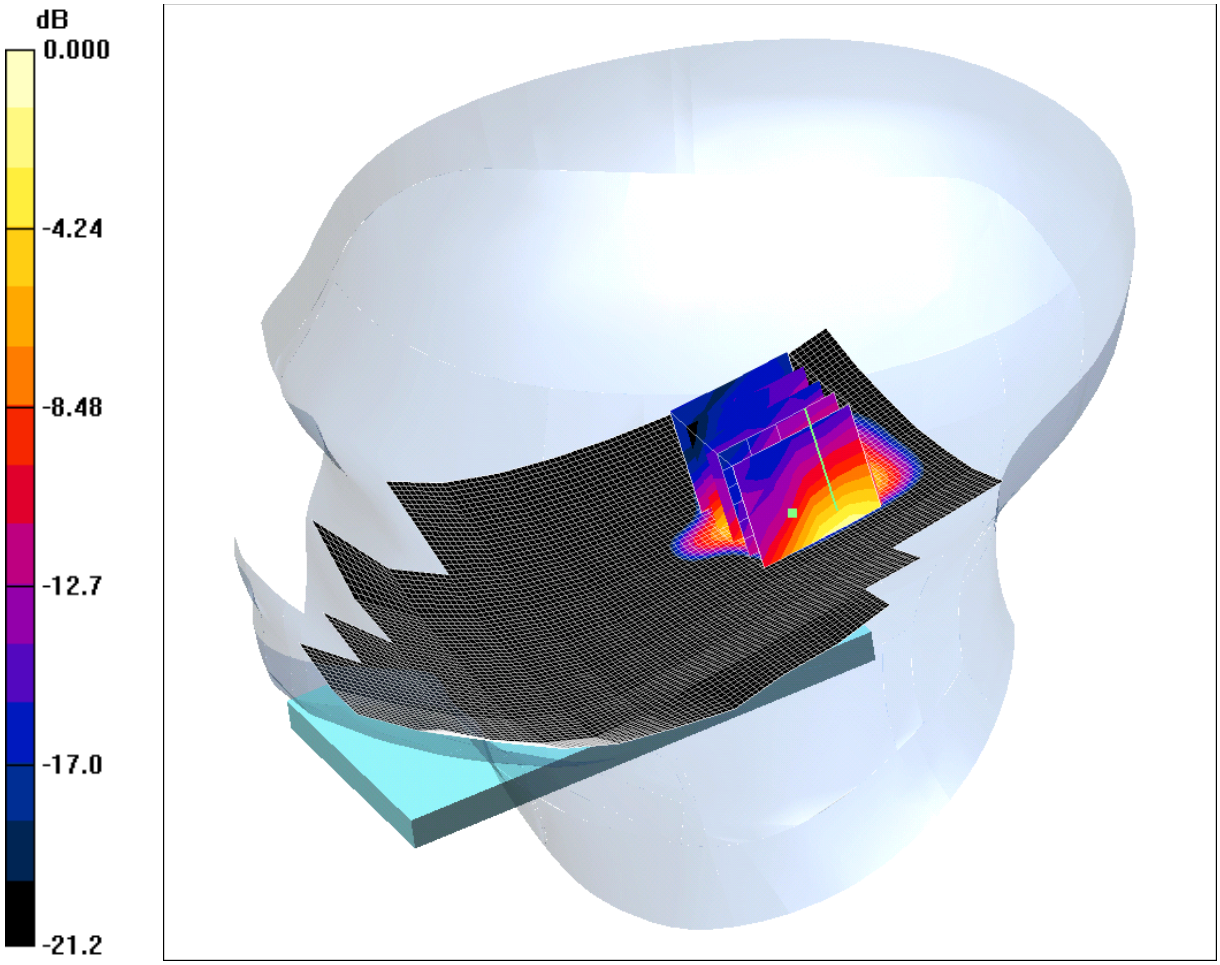
Touch Left - Middle/Area Scan2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.076 mW/g
Touch Left - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.64 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 0.120 W/kg
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.065 mW/g

SCN/85037JD03/030: Tilt Left WLAN 802.11b 1Mbps CH6
Date 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



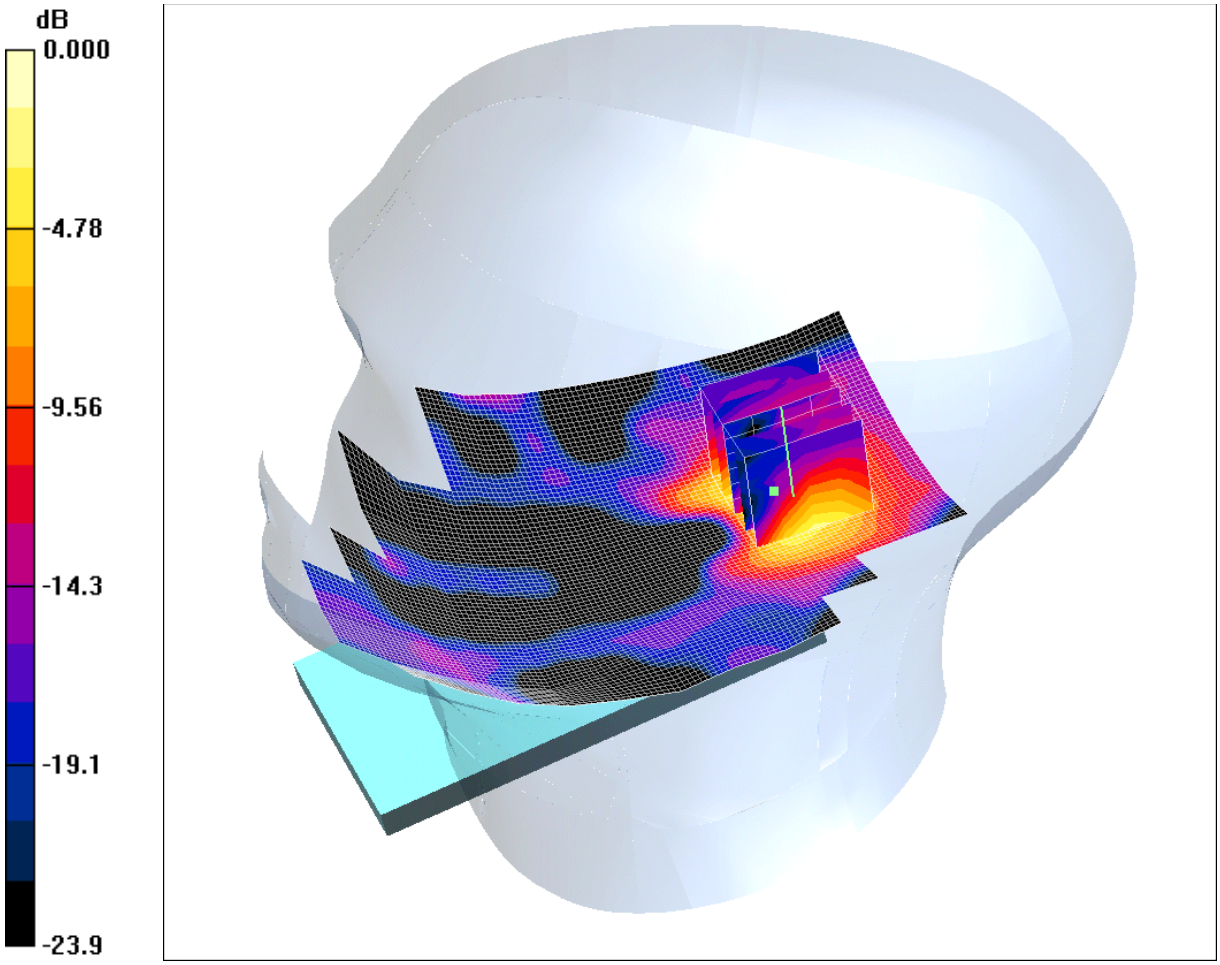
0 dB = 0.071mW/g
Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.82 mho/m; ε_r = 37.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Tilt Left - Middle/Area Scan2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.072 mW/g
Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.79 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.120 W/kg
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.071 mW/g

SCN/85037JD03/031: Touch Right WLAN 802.11b 1Mbps CH6
Date 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



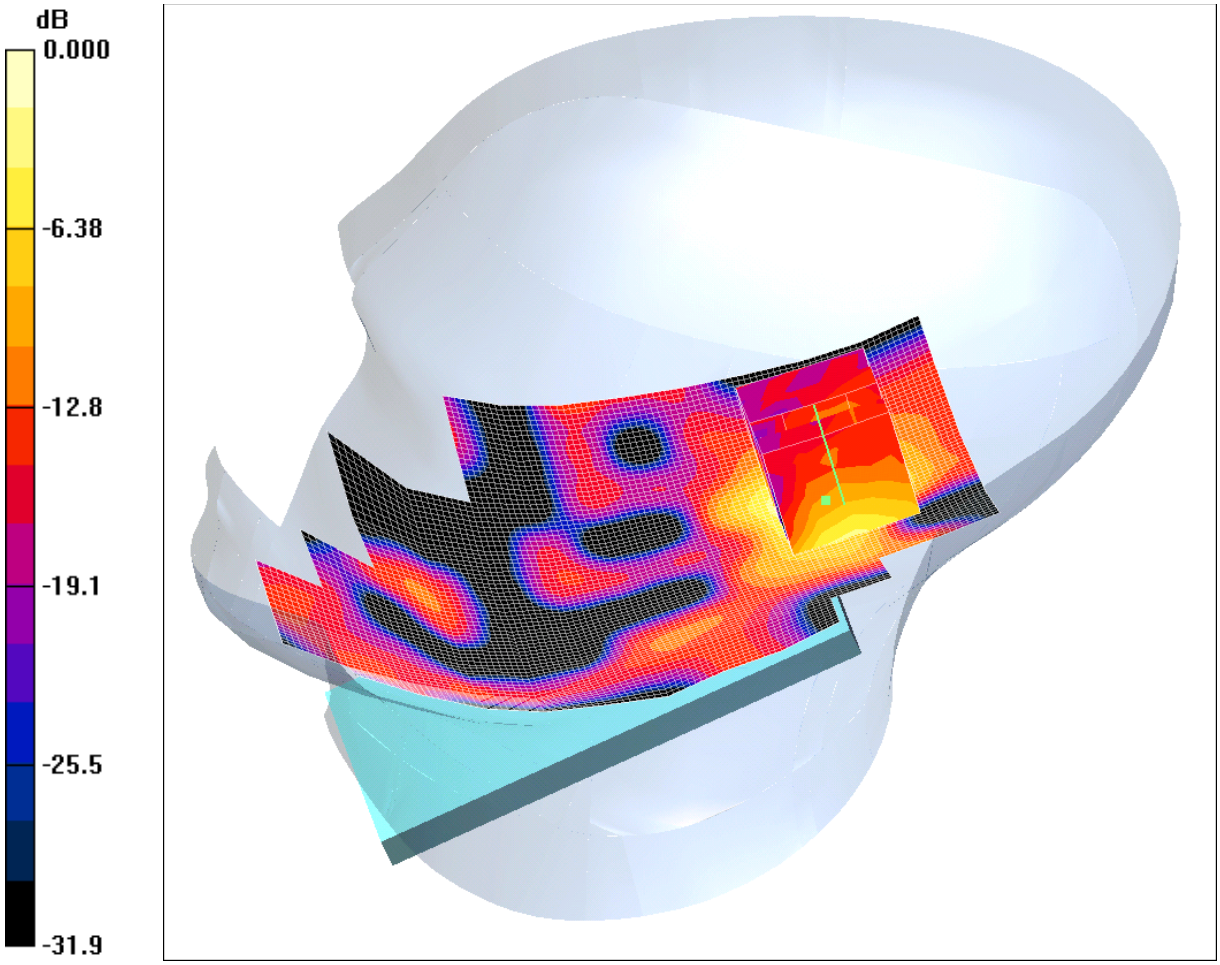
0 dB = 0.090mW/g
Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.82 mho/m; ε_r = 37.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Right - Middle/Area Scan2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.138 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.99 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.090 mW/g

SCN/85037JD03/032: Tilt Right WLAN 802.11b 1Mbps CH6
Date 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



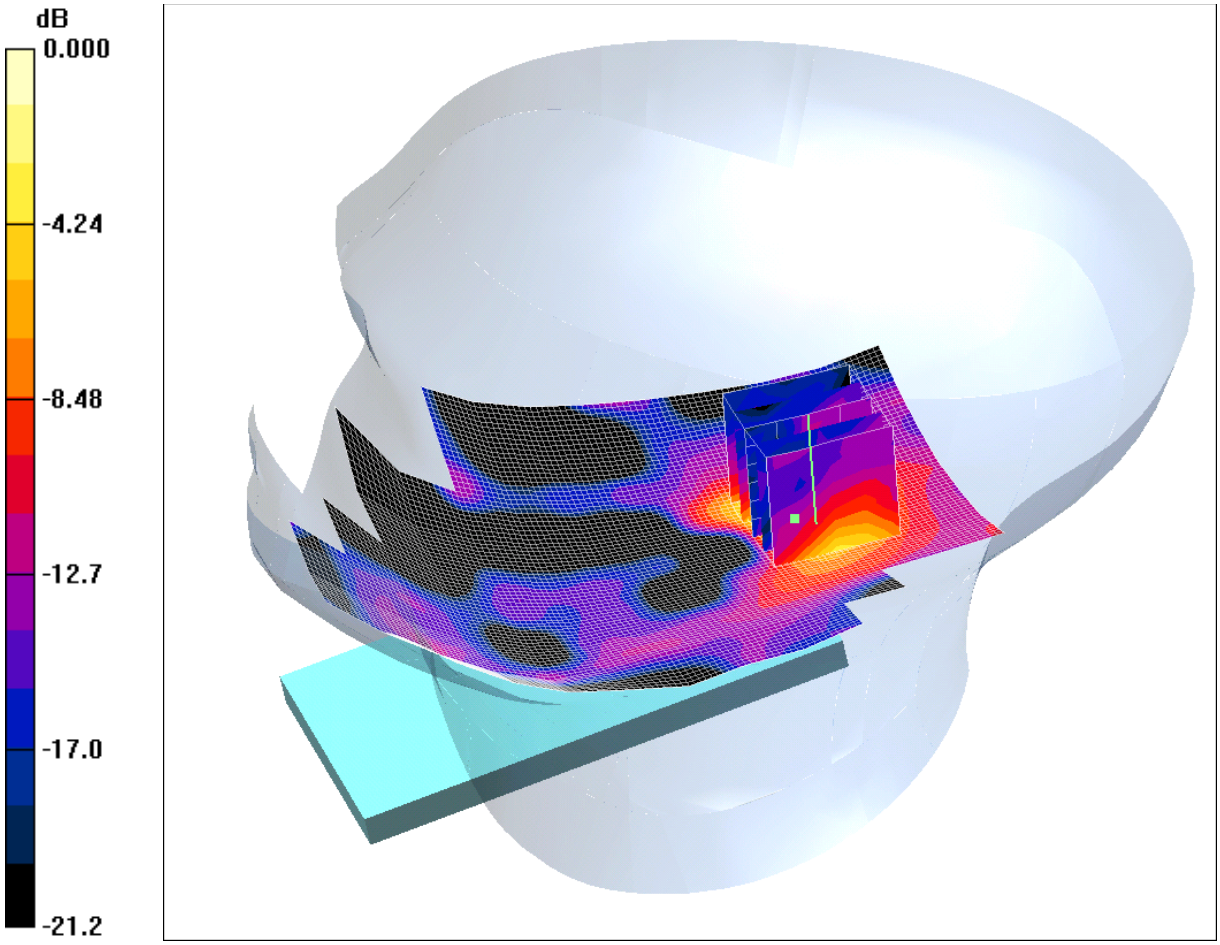
0 dB = 0.102mW/g
Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.82 mho/m; ε_r = 37.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Tilt Right - Middle/Area Scan2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.098 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.20 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.102 mW/g

SCN/85037JD03/033: Tilt Right WLAN 802.11g 6Mbps CH6
Date 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.067mW/g
Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.82 mho/m; ε_r = 37.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Tilt Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.063 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.69 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 0.226 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.067 mW/g

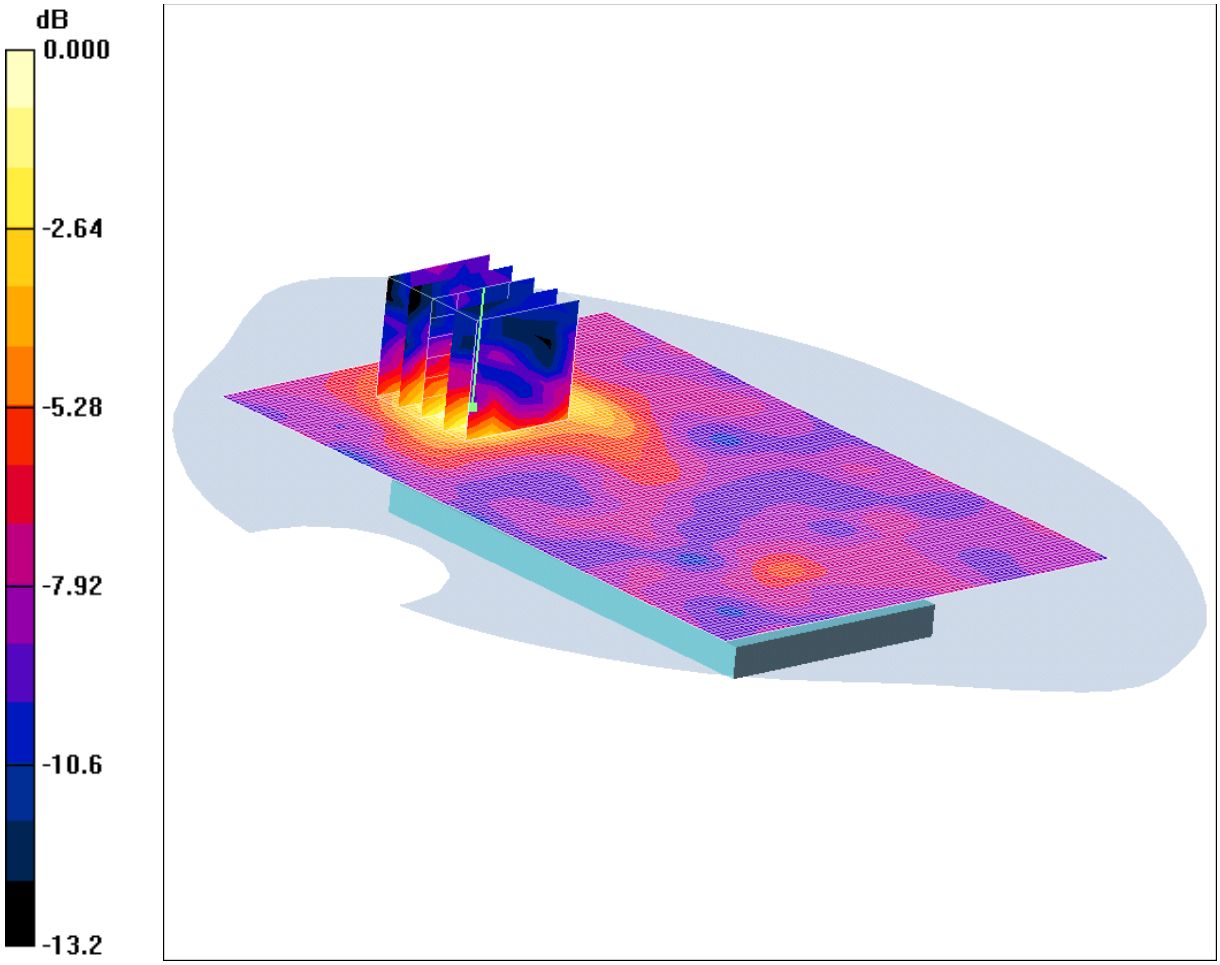
SCN/85037JD03/034: Tilt Right WLAN 802.11n 6.5Mbps CH6
Date 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.065mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.82 mho/m; ε_r = 37.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Tilt Right - Middle/Area Scan2 (81x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.070 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.48 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.065 mW/g

SCN/85037JD03/035: Front of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1 Mbps CH6
Date 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

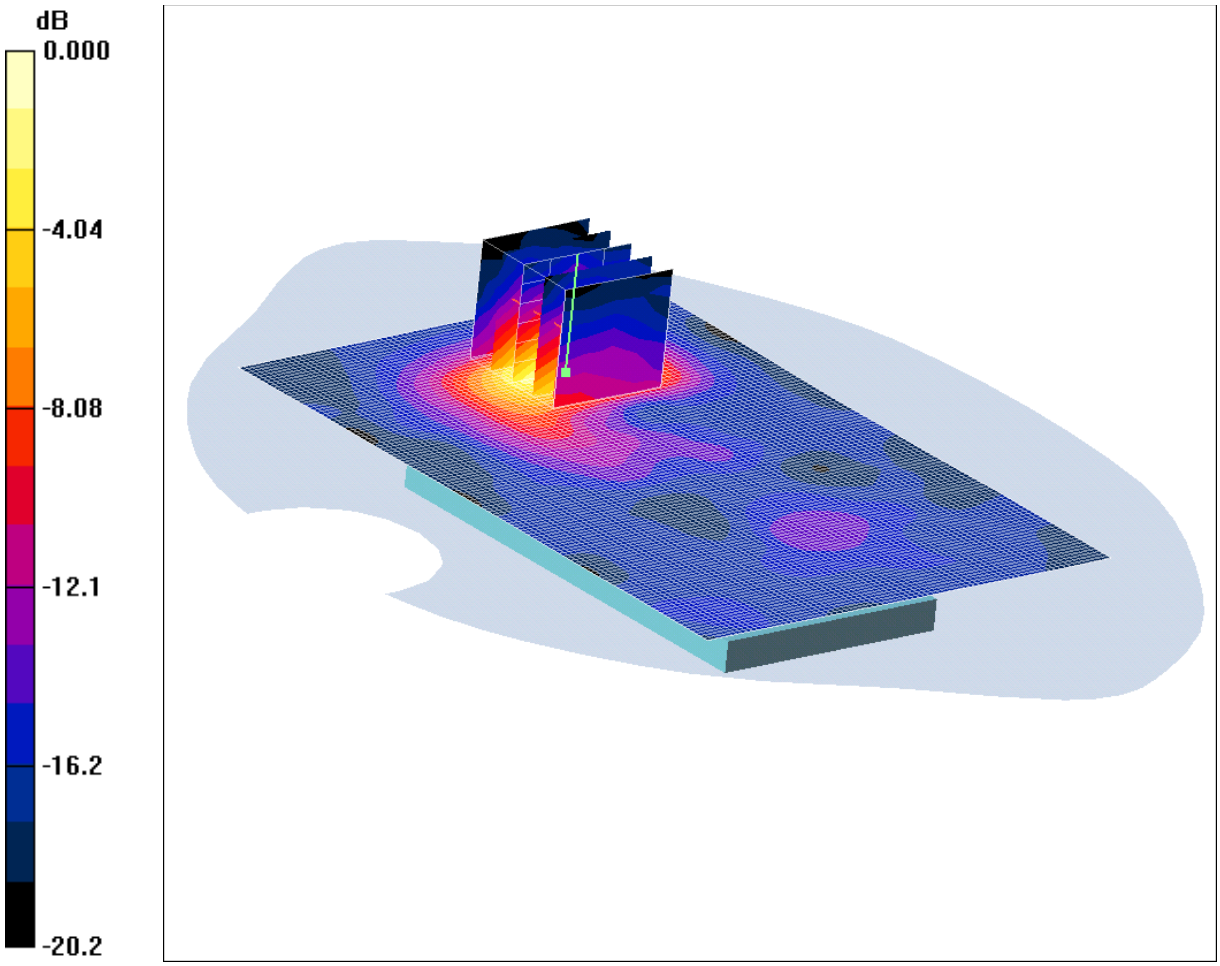


0 dB = 0.021mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.020 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.80 V/m; Power Drift = 0.173 dB
Peak SAR (extrapolated) = 0.036 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00983 mW/g
Maximum value of SAR (measured) = 0.021 mW/g

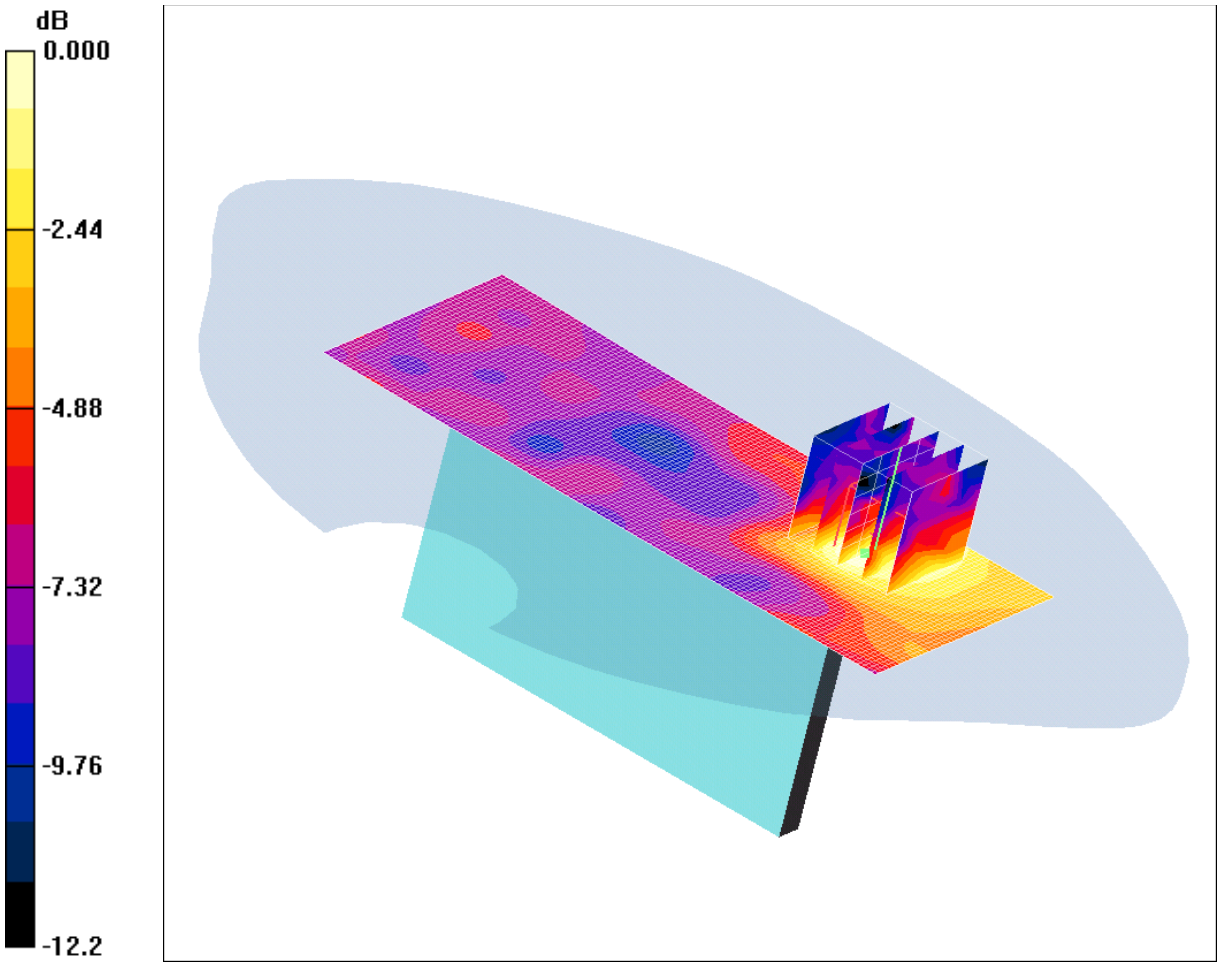
SCN/85037JD03/036: Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1 Mbps CH6
Date 18/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.179mW/g
Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.181 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.79 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 0.337 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.065 mW/g
Maximum value of SAR (measured) = 0.179 mW/g

SCN/85037JD03/037: Left Hand Side of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
Date: 19/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

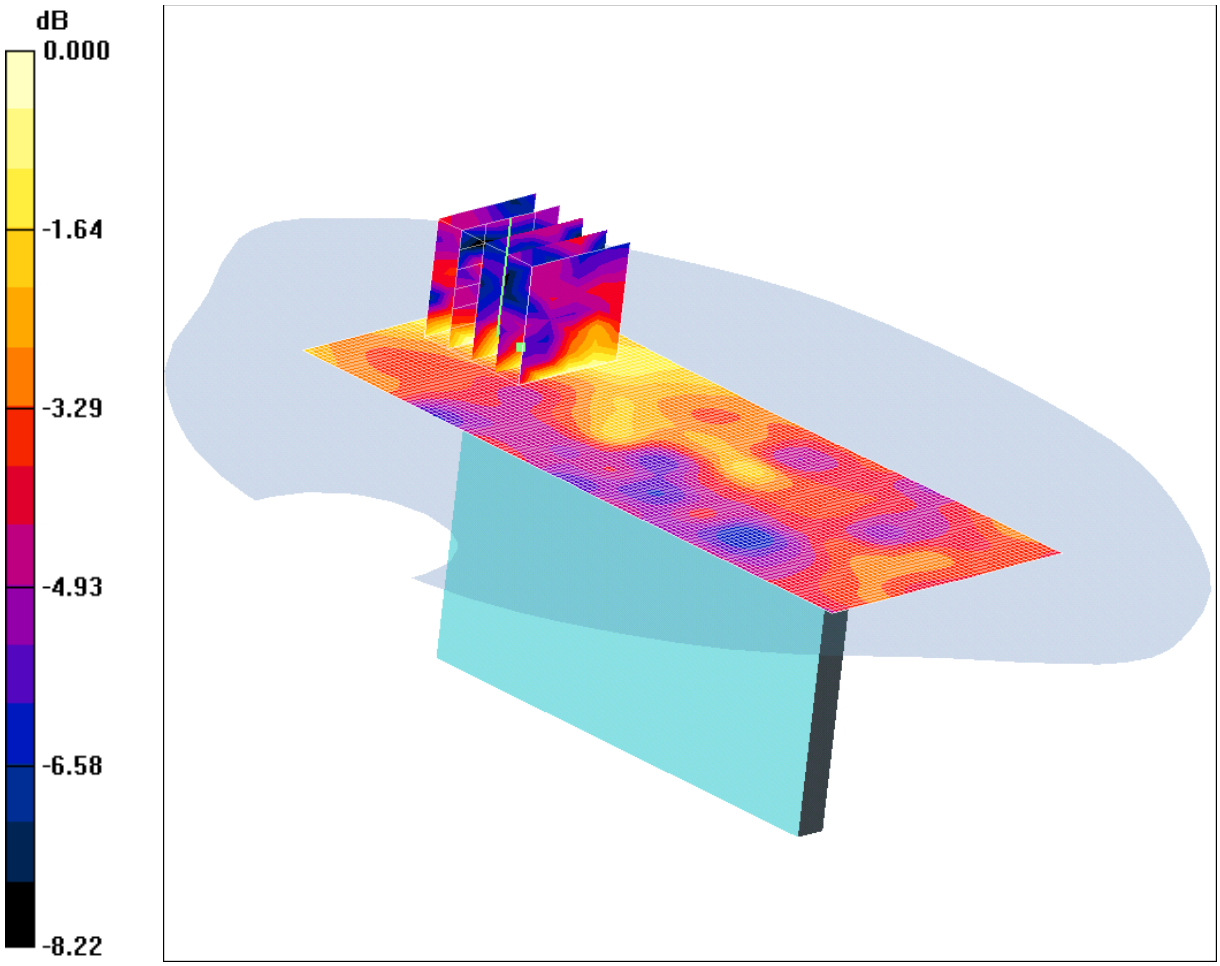


0 dB = 0.015mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.99 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Middle/Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.016 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 = 2.69 V/m; Power Drift = -0.176 dB
Peak SAR (extrapolated) = 0.022 W/kg
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00798 mW/g
Maximum value of SAR (measured) = 0.015 mW/g

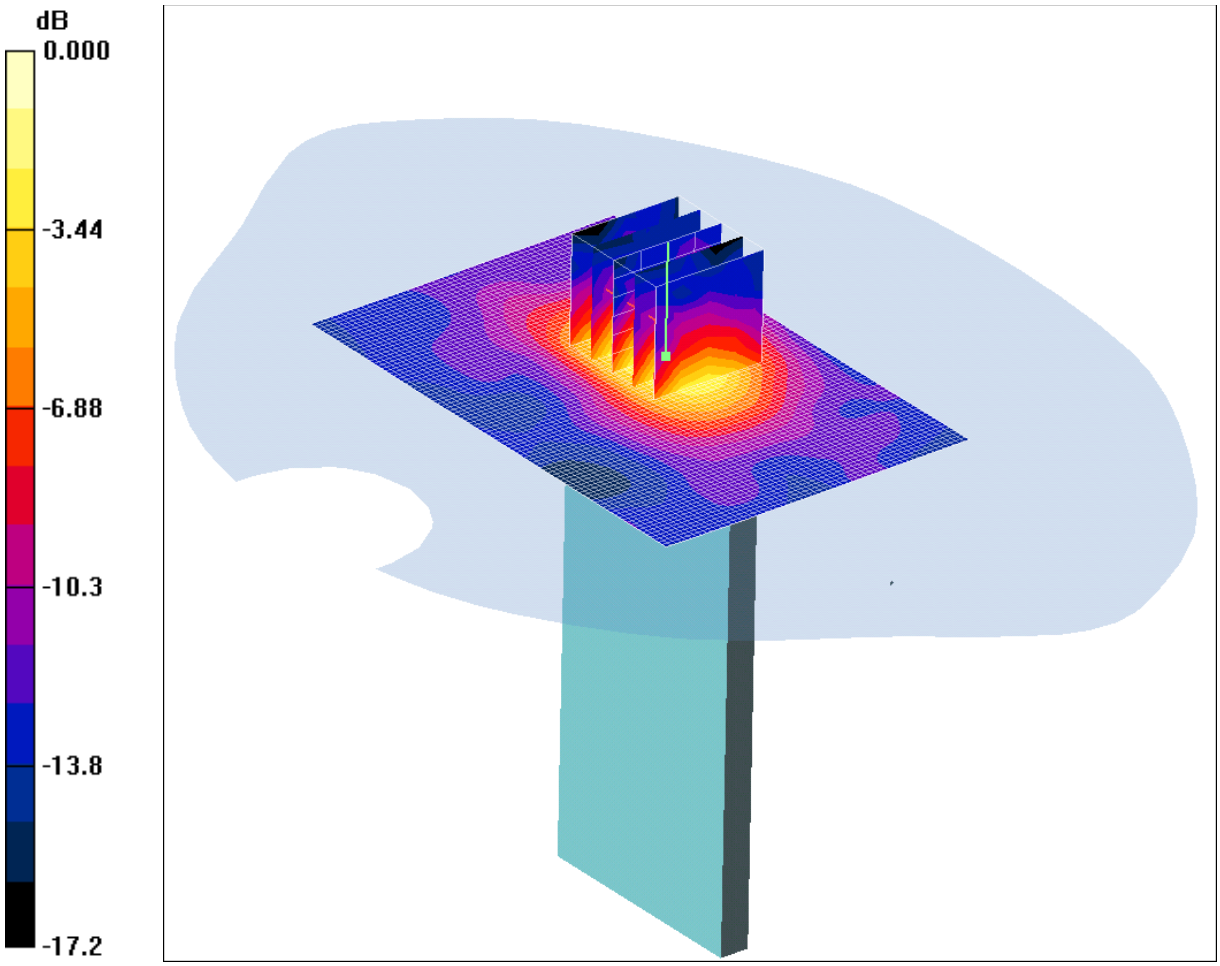
SCN/85037JD03/038: Right Hand Side of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
Date: 19/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.007mW/g
Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.99 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle/Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.006 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 = 1.60 V/m; Power Drift = 0.160 dB
Peak SAR (extrapolated) = 0.011 W/kg
SAR(1 g) = 0.00657 mW/g; SAR(10 g) = 0.00434 mW/g
Maximum value of SAR (measured) = 0.007 mW/g

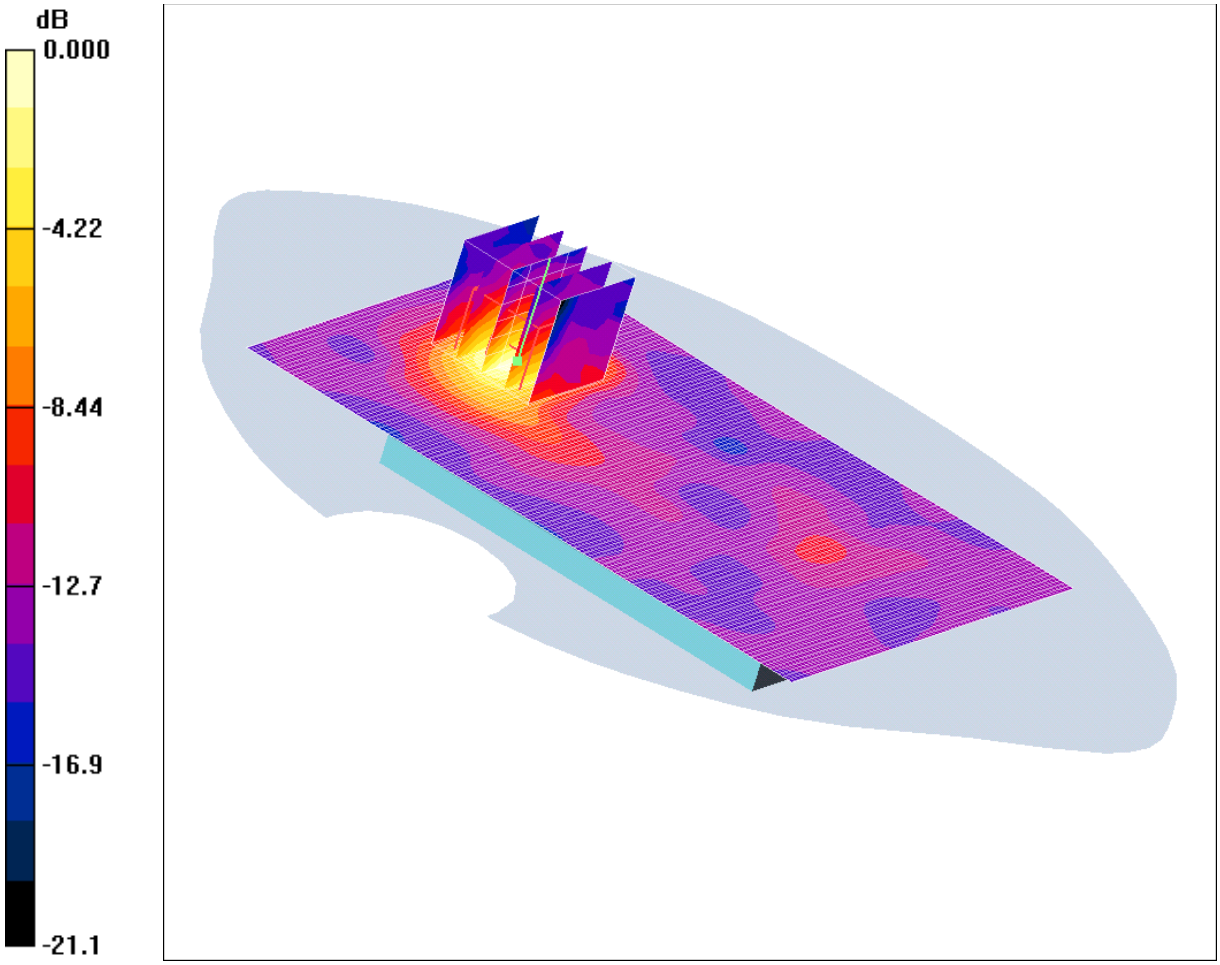
SCN/85037JD03/039: Top of EUT Facing Phantom Hotspot Mode WLAN 802.11b 1Mbps CH6
Date: 19/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153



0 dB = 0.065mW/g
Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.99 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Top of EUT Facing Phantom - Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.063 mW/g
Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.22 V/m; Power Drift = 0.197 dB
Peak SAR (extrapolated) = 0.115 W/kg
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.065 mW/g

SCN/85037JD03/040: Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11g 6Mbps CH6
Date: 19/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

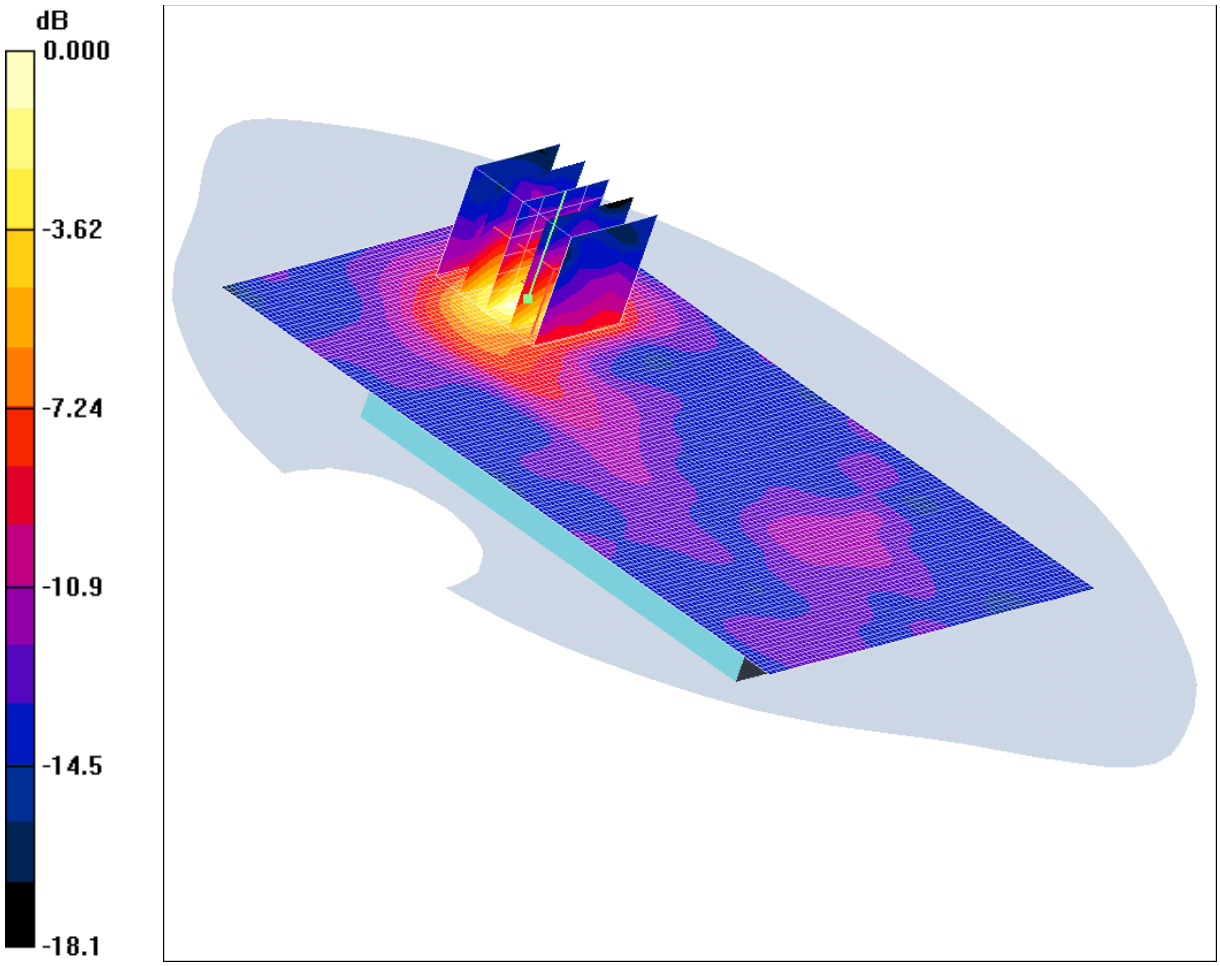


0 dB = 0.083mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.99 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.088 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.84 V/m; Power Drift = 0.113 dB
Peak SAR (extrapolated) = 0.153 W/kg
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.083 mW/g

SCN/85037JD03/041: Rear of EUT Facing Phantom Hotspot Mode WLAN 802.11n 6.5Mbps CH6
Date: 19/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

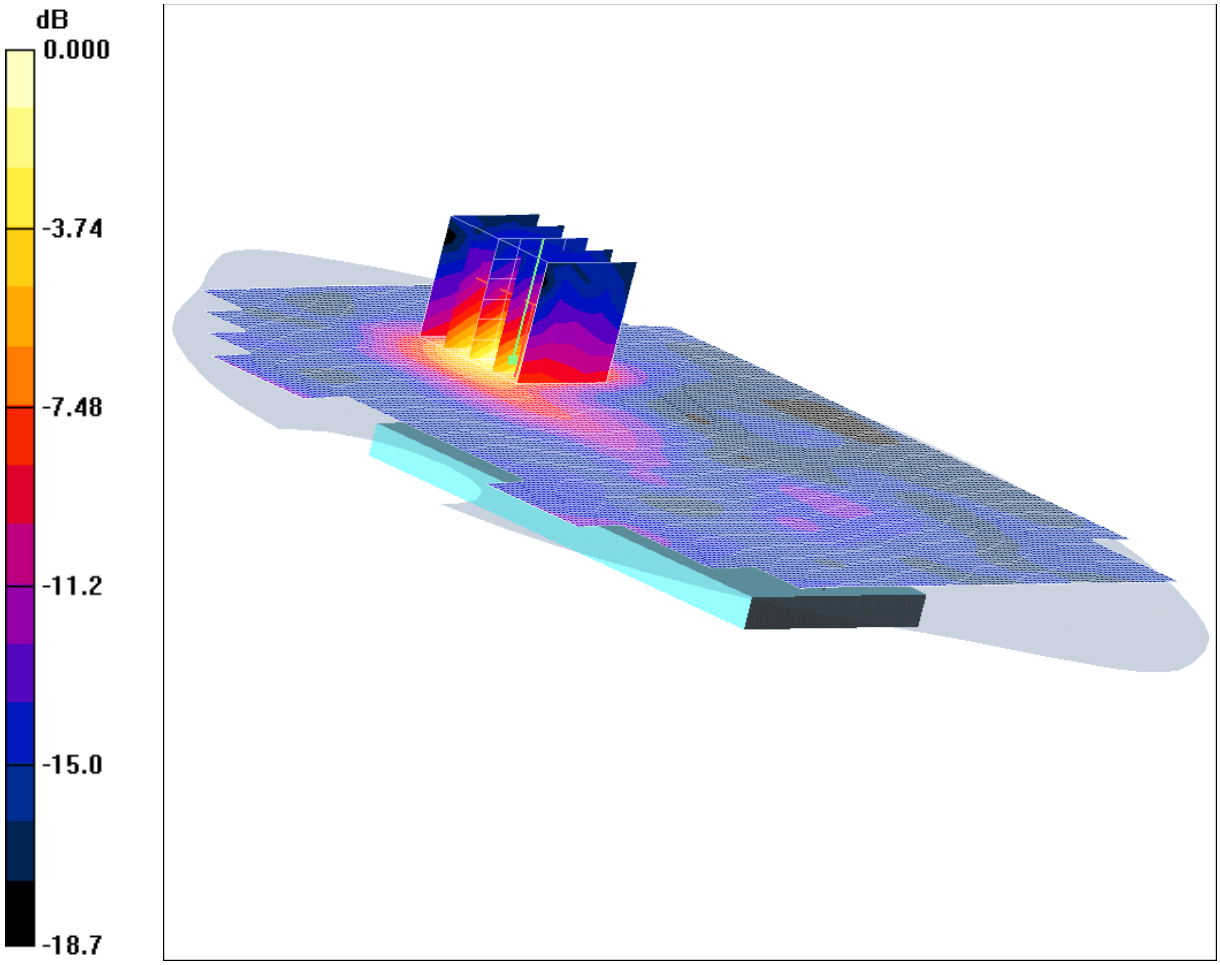


0 dB = 0.075mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.99 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.074 mW/g
Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.94 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.075 mW/g

SCN/85037JD03/042: Rear of EUT Facing Phantom With PHF Hotspot Mode WLAN 802.11b 1Mbps CH6
Date: 19/01/2012
DUT: Panasonic Mobile Comms Dev of Europe Ltd; Type: S12BR5 (Sample C26); Serial: 004401221182153

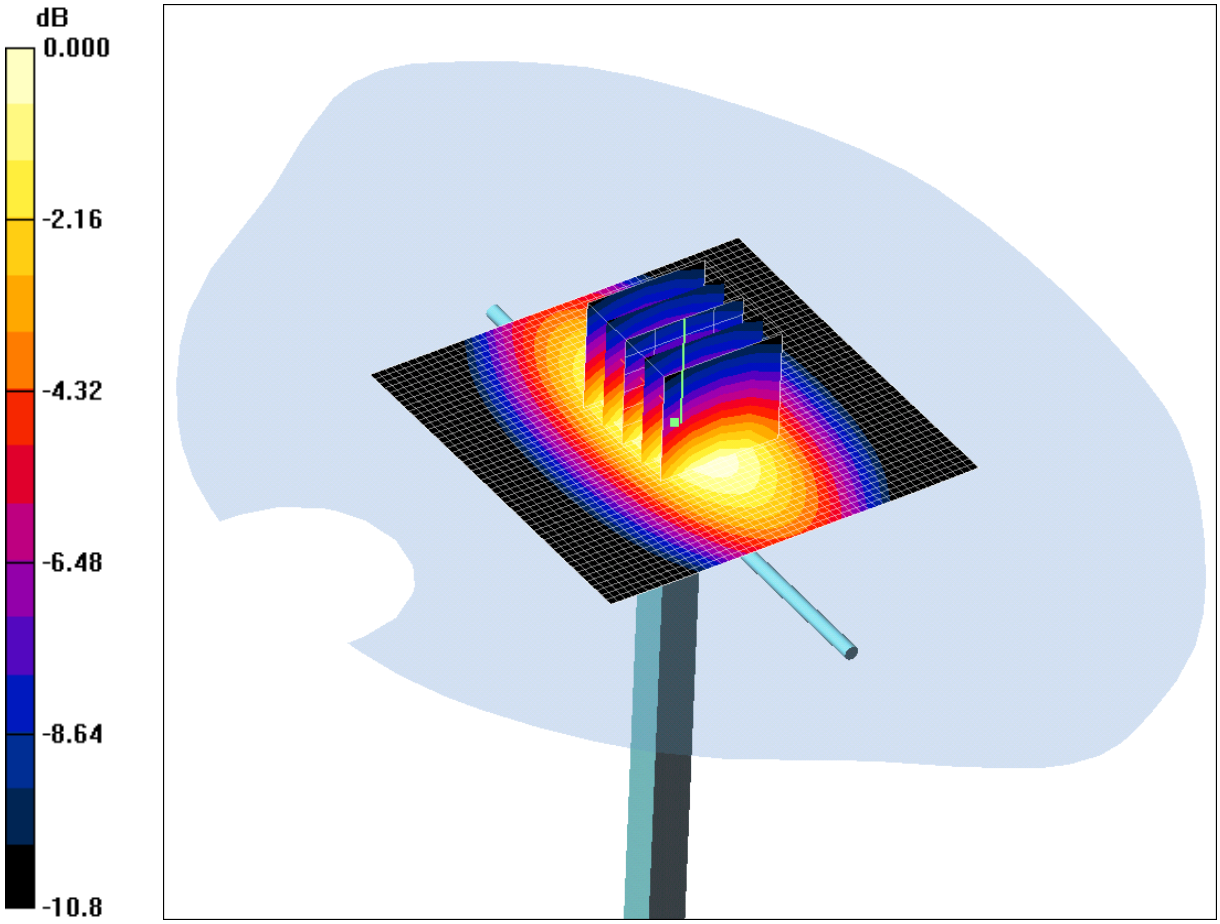


0 dB = 0.123mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.99 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom With PHF - Middle/Area Scan (121x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.119 mW/g
Rear of EUT Facing Phantom With PHF - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.28 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 0.225 W/kg
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.048 mW/g
Maximum value of SAR (measured) = 0.123 mW/g

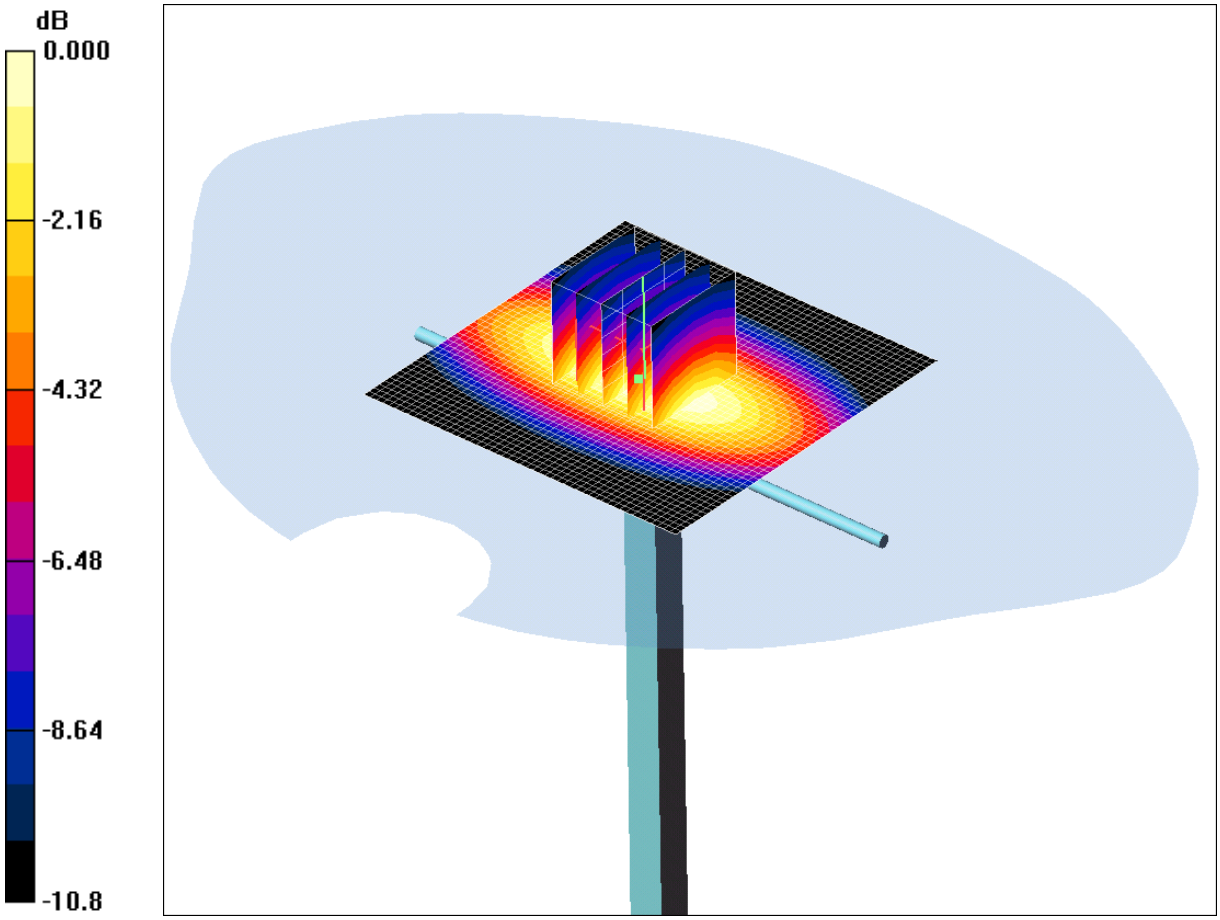
SCN/85037JD03/043: System Performance Check 900MHz Head 05 01 12
Date 05/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 2.94mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.928 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=15mm, Pin=250mW /Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.05 mW/g
d=15mm, Pin=250mW /Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 59.8 V/m; Power Drift = -0.159 dB
Peak SAR (extrapolated) = 3.88 W/kg
SAR(1 g) = 2.72 mW/g; SAR(10 g) = 1.78 mW/g
Maximum value of SAR (measured) = 2.94 mW/g

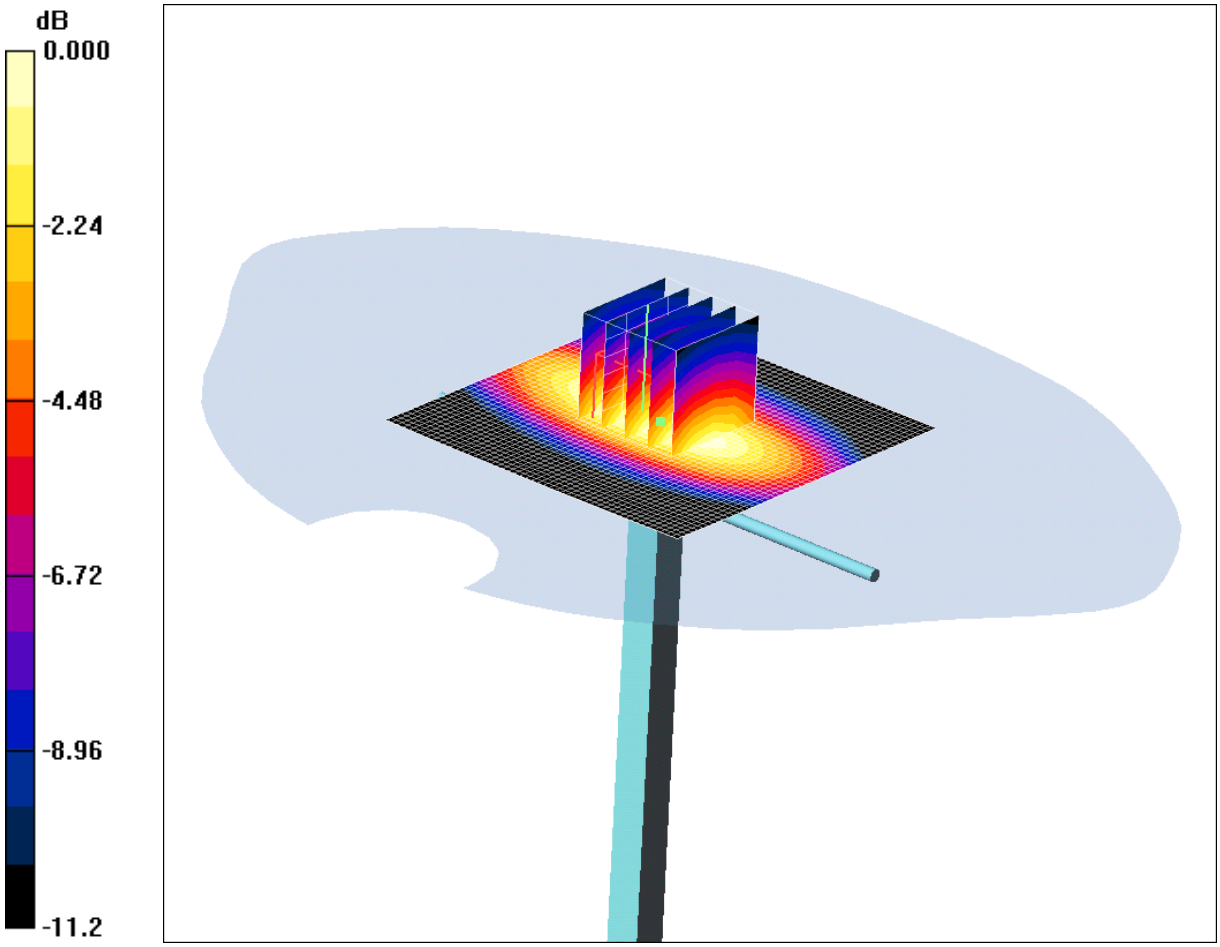
SCN/85037JD03/044: System Performance Check 900MHz Head 06 01 12
Date: 06/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 2.88mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.928 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=15mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.96 mW/g
d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.9 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 2.66 mW/g; SAR(10 g) = 1.74 mW/g
Maximum value of SAR (measured) = 2.88 mW/g

SCN/85037JD03/045: System Performance Check 900MHz Body 09 01 12
Date: 09/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

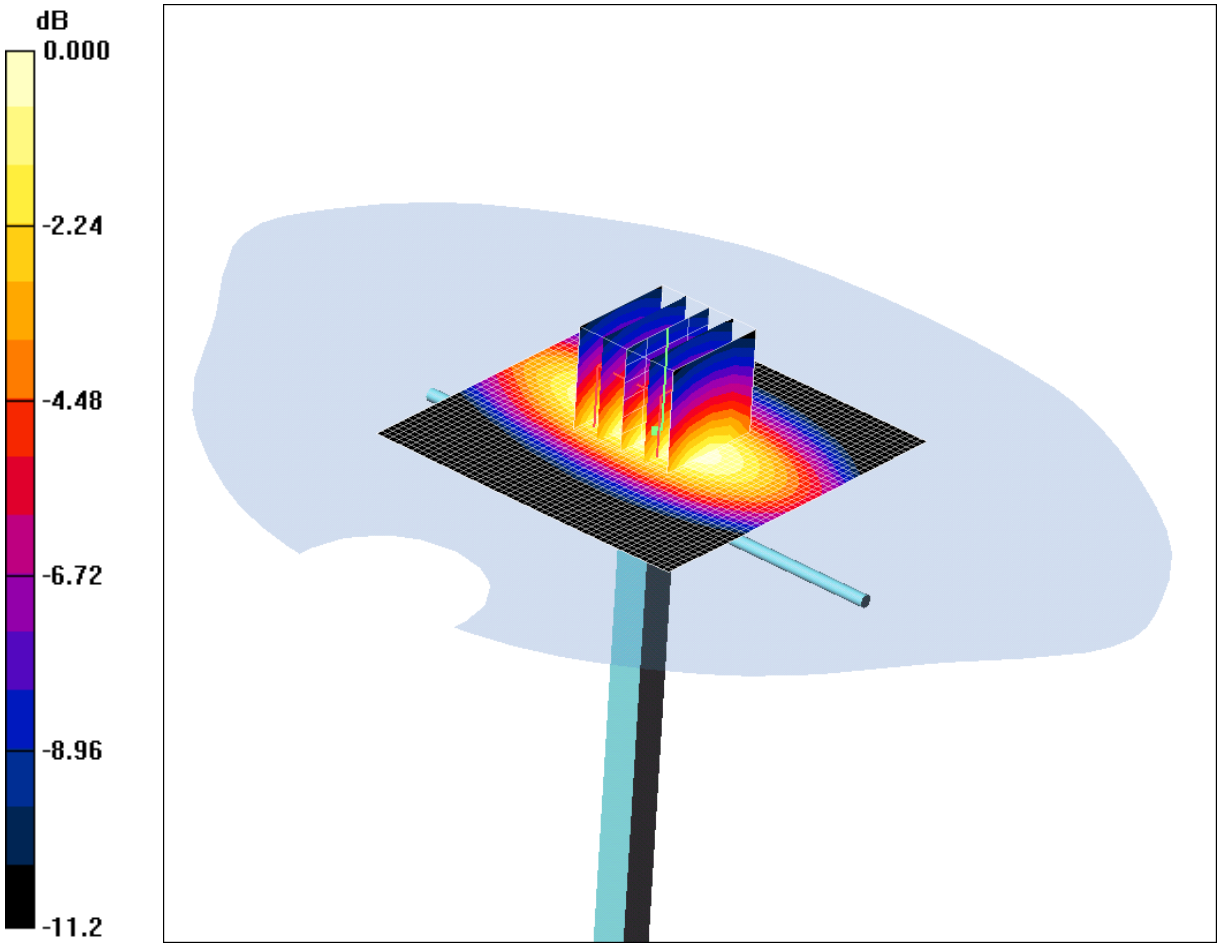


0 dB = 2.86mW/g

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 = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.05 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.5 V/m; Power Drift = 0.060 dB
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.73 mW/g
Maximum value of SAR (measured) = 2.86 mW/g

SCN/85037JD03/046: System Performance Check 900MHz Body 10 01 12
Date: 10/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

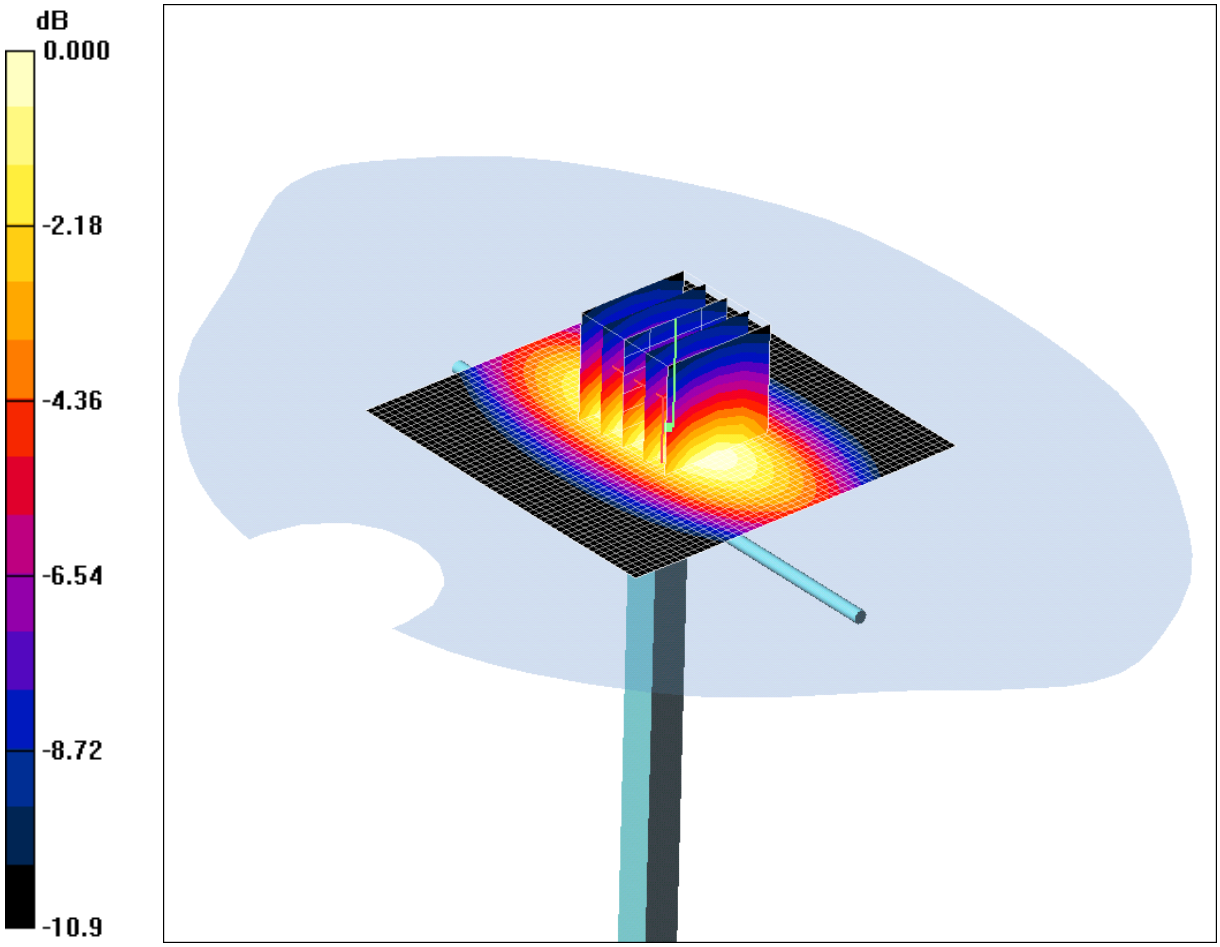


0 dB = 3.00mW/g

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 = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.16 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.2 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 3.94 W/kg
SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.79 mW/g
Maximum value of SAR (measured) = 3.00 mW/g

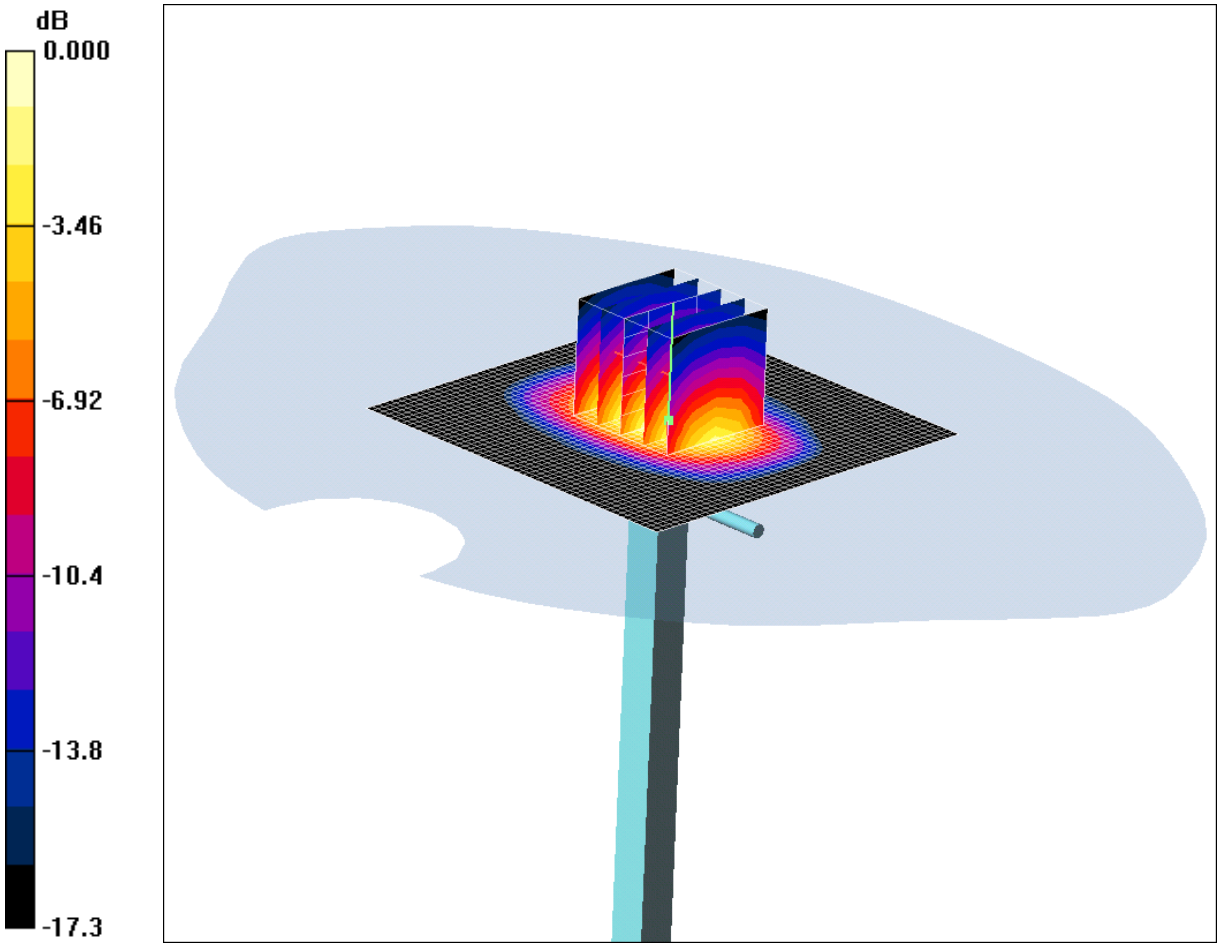
SCN/85037JD03/047: System Performance Check 900MHz Body 11 01 12
Date: 11/01/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 2.89mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.05 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.06 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.3 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 2.68 mW/g; SAR(10 g) = 1.75 mW/g
Maximum value of SAR (measured) = 2.89 mW/g

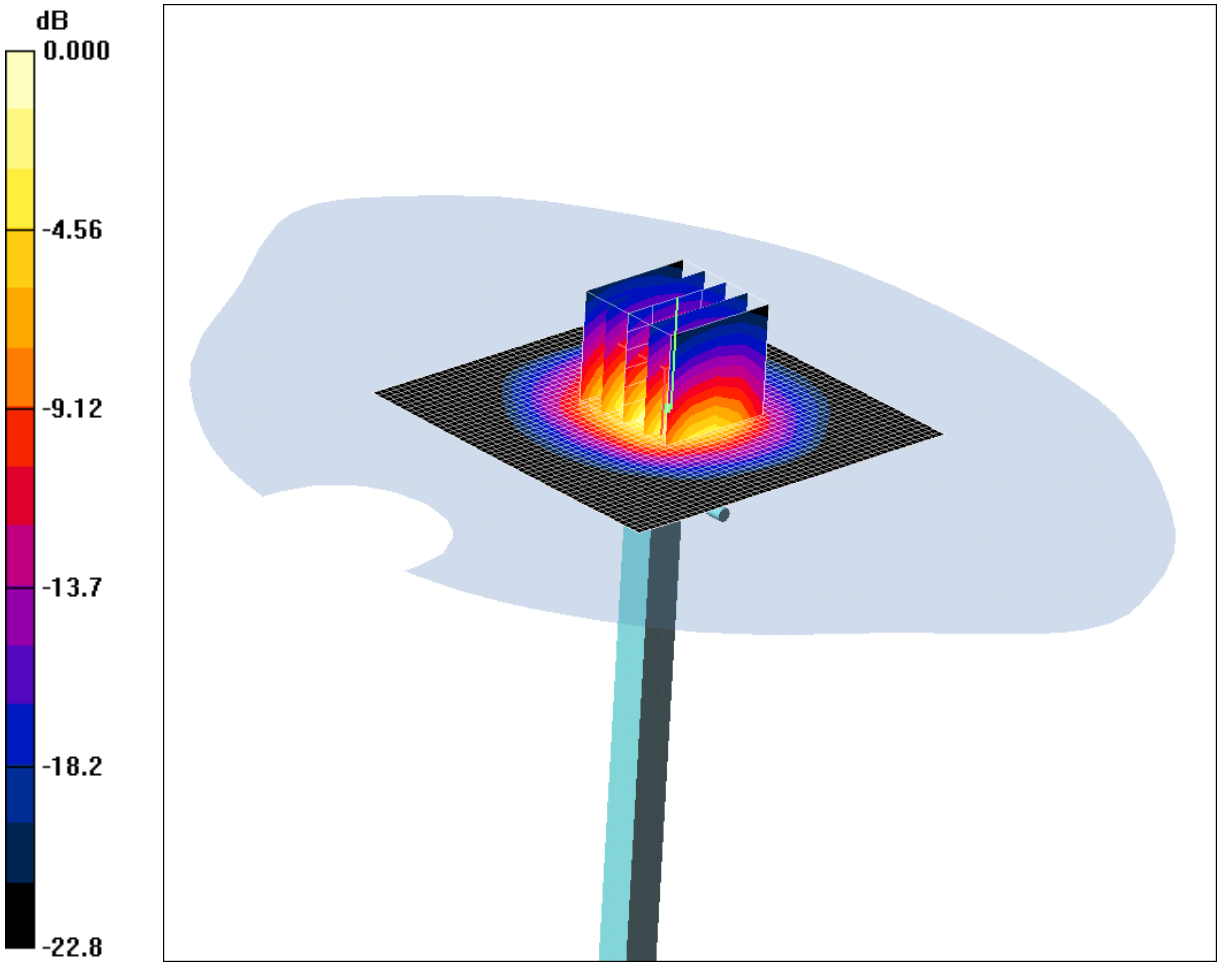
SCN/85037JD03/048: System Performance Check 1900MHz Body 16 01 12
Date: 16/01/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.1mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.56 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.8 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 91.2 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 9.85 mW/g; SAR(10 g) = 5.19 mW/g
Maximum value of SAR (measured) = 11.1 mW/g

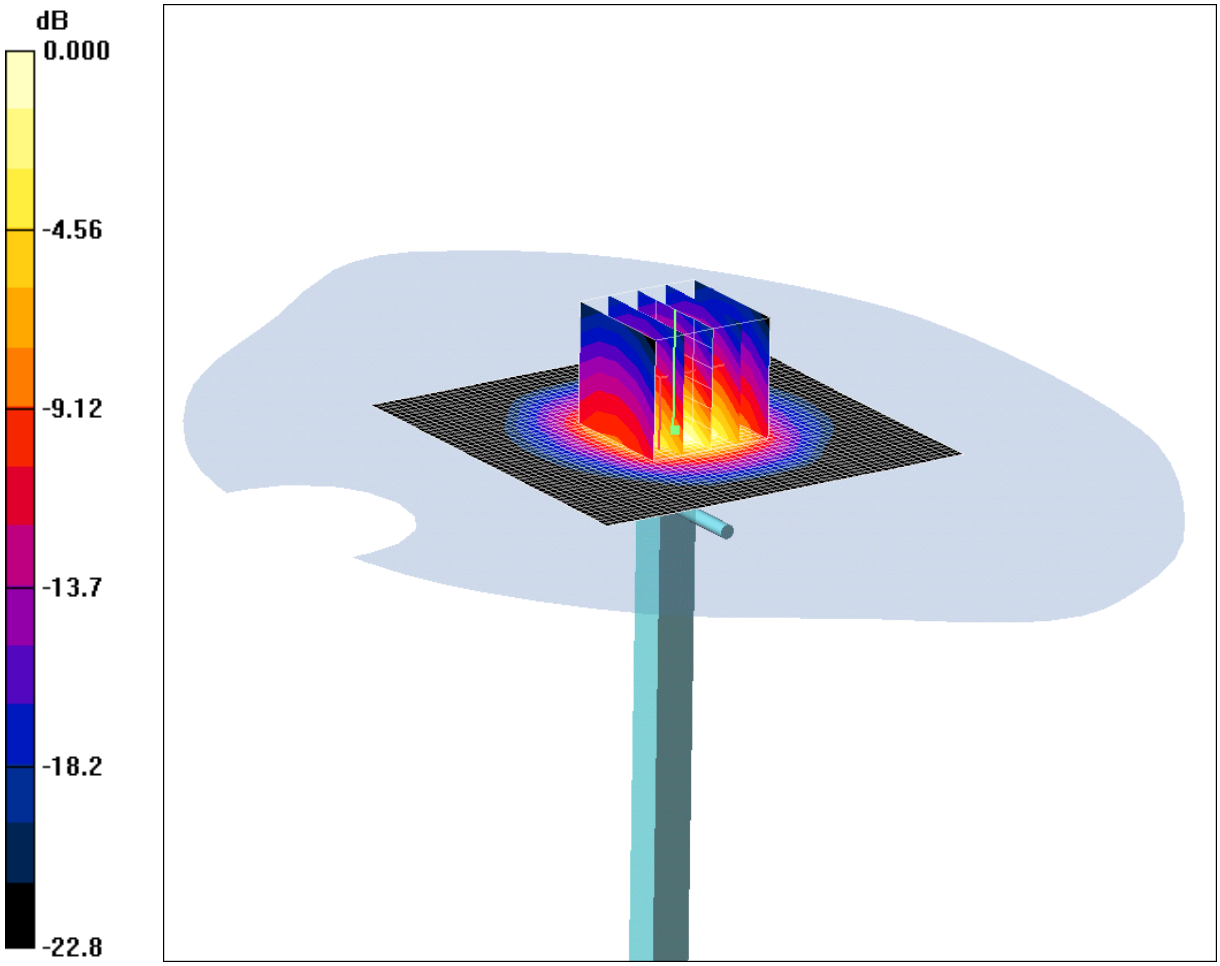
SCN/85037JD03/049: System Performance Check 2450MHz Head 17 01 12
Date: 17/01/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



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 = 1.82 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.5 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 27.2 W/kg
SAR(1 g) = 12.8 mW/g; SAR(10 g) = 5.9 mW/g
Maximum value of SAR (measured) = 14.3 mW/g

SCN/85037JD03/050: System Performance Check 2450MHz Body 18 01 12
Date: 18/01/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

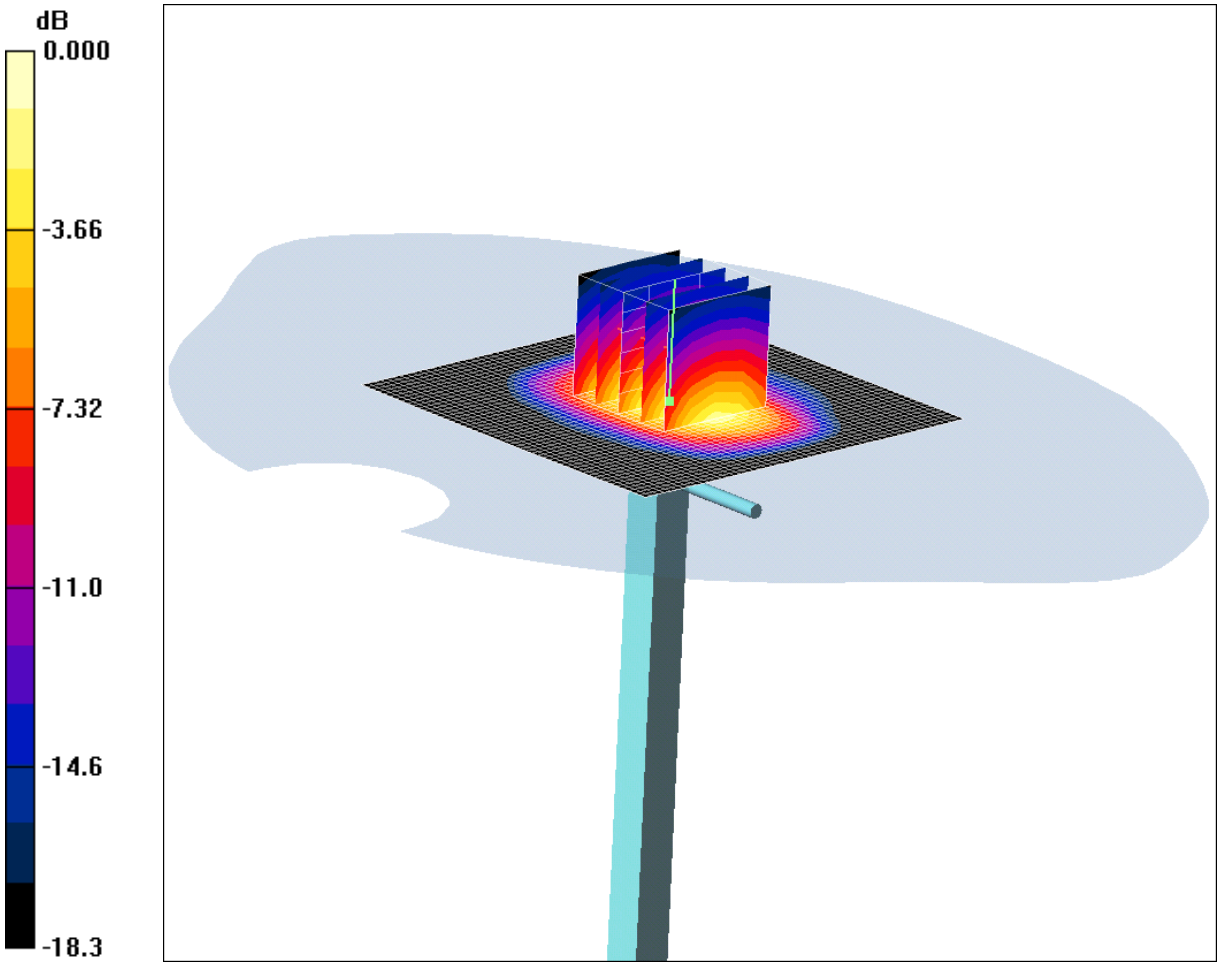


0 dB = 15.2mW/g

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 = 50.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 19.6 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.0 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 27.6 W/kg
SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.08 mW/g
Maximum value of SAR (measured) = 15.2 mW/g

SCN/85037JD03/051: em Performance Check 1900MHz Head 20 01 12
Date: 20/01/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

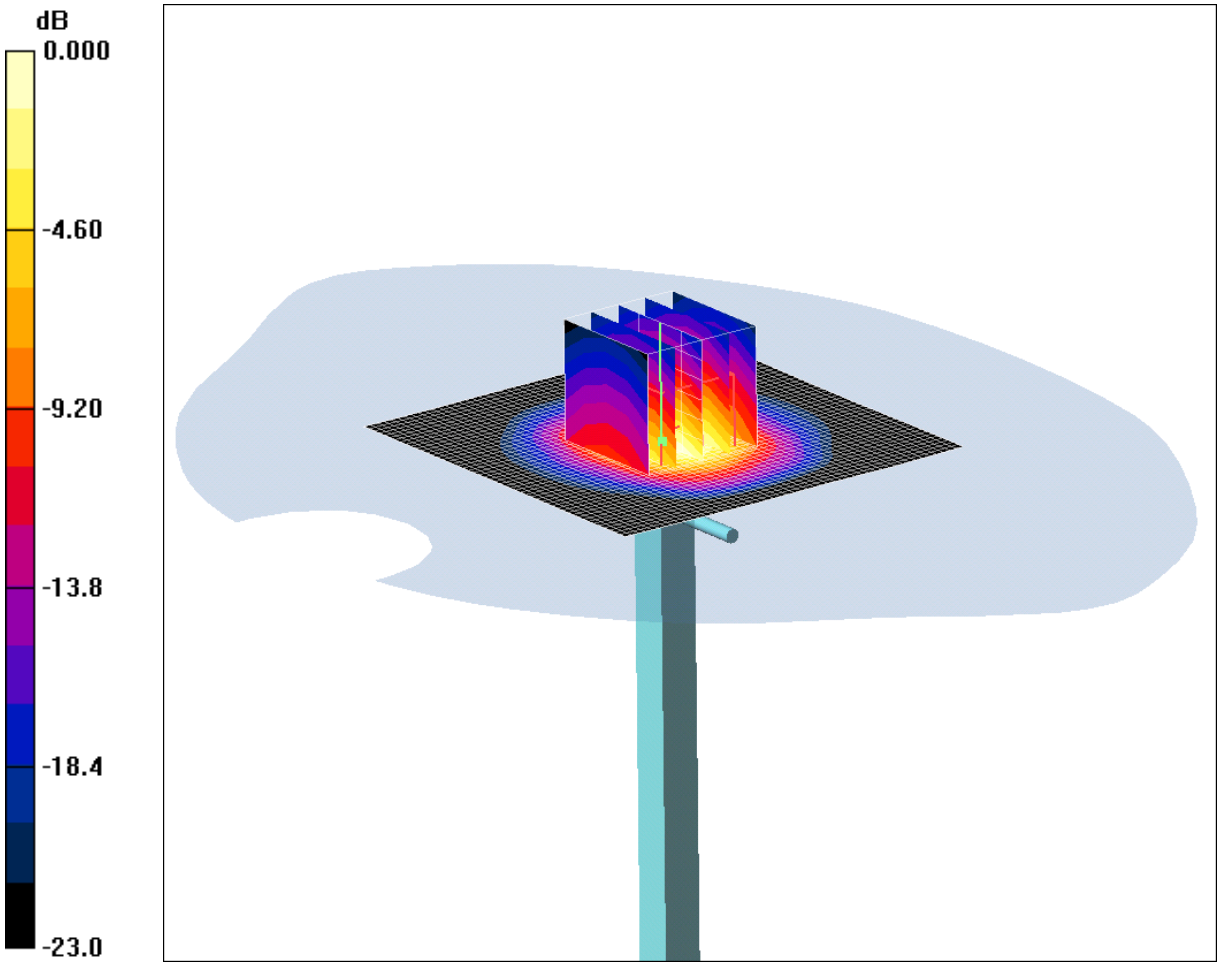


0 dB = 11.2mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.46 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 13.8 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 89.2 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 18.1 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.23 mW/g
Maximum value of SAR (measured) = 11.2 mW/g

SCN/85037JD03/052: em Performance Check 2450MHz Body 19 01 12
Date: 19/01/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



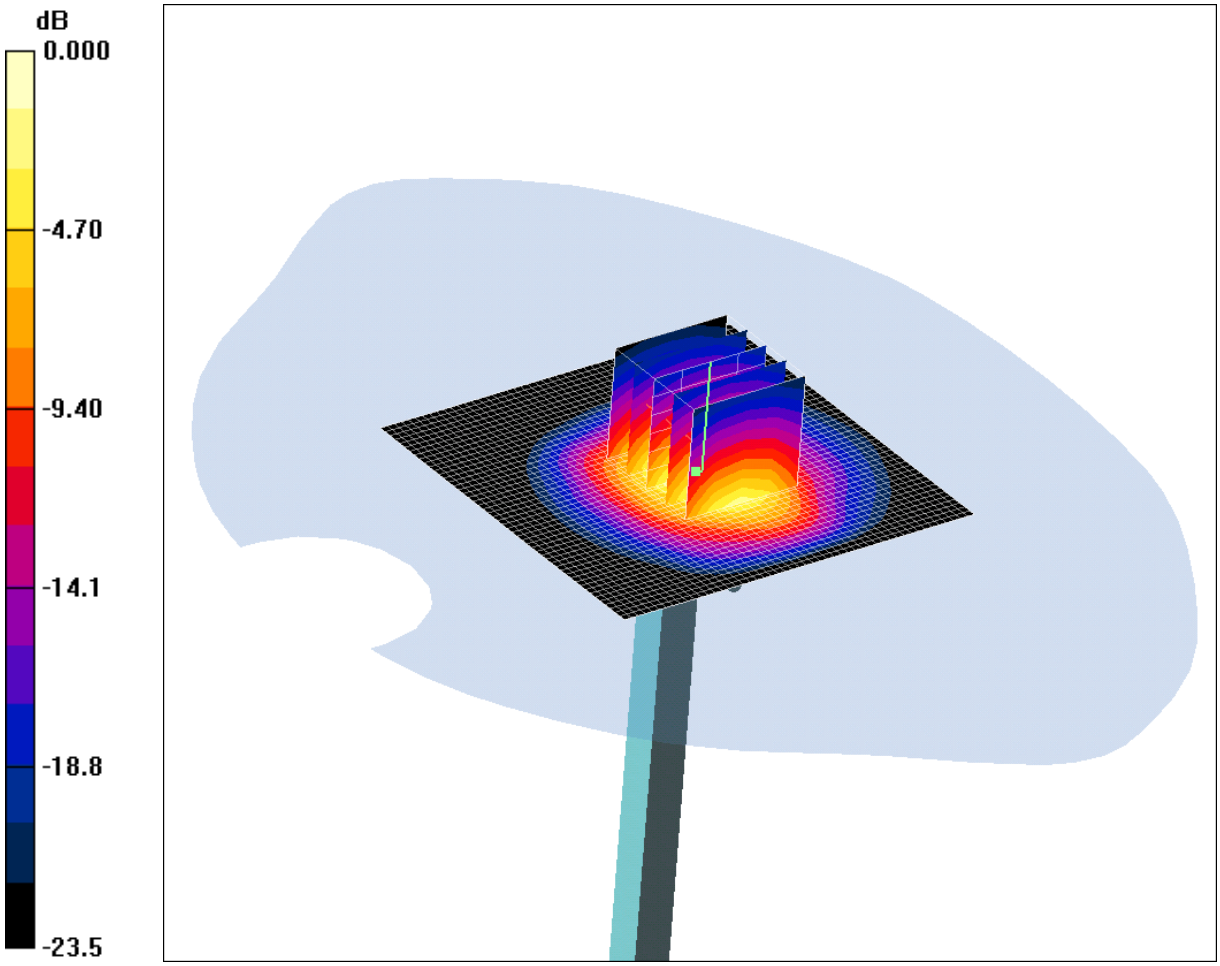
0 dB = 14.8mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used: f = 2450 MHz; σ = 2 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 84.4 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 27.7 W/kg
SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.05 mW/g
Maximum value of SAR (measured) = 14.8 mW/g

SCN/85037JD03/053: em Performance Check 2450MHz Head 18 01 12
Date 18/01/2012
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 = 1.83 mho/m; ε_r = 37.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 16.8 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 82.5 V/m; Power Drift = 0.042 dB
Peak SAR (extrapolated) = 28.8 W/kg
SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.13 mW/g
Maximum value of SAR (measured) = 14.8 mW/g