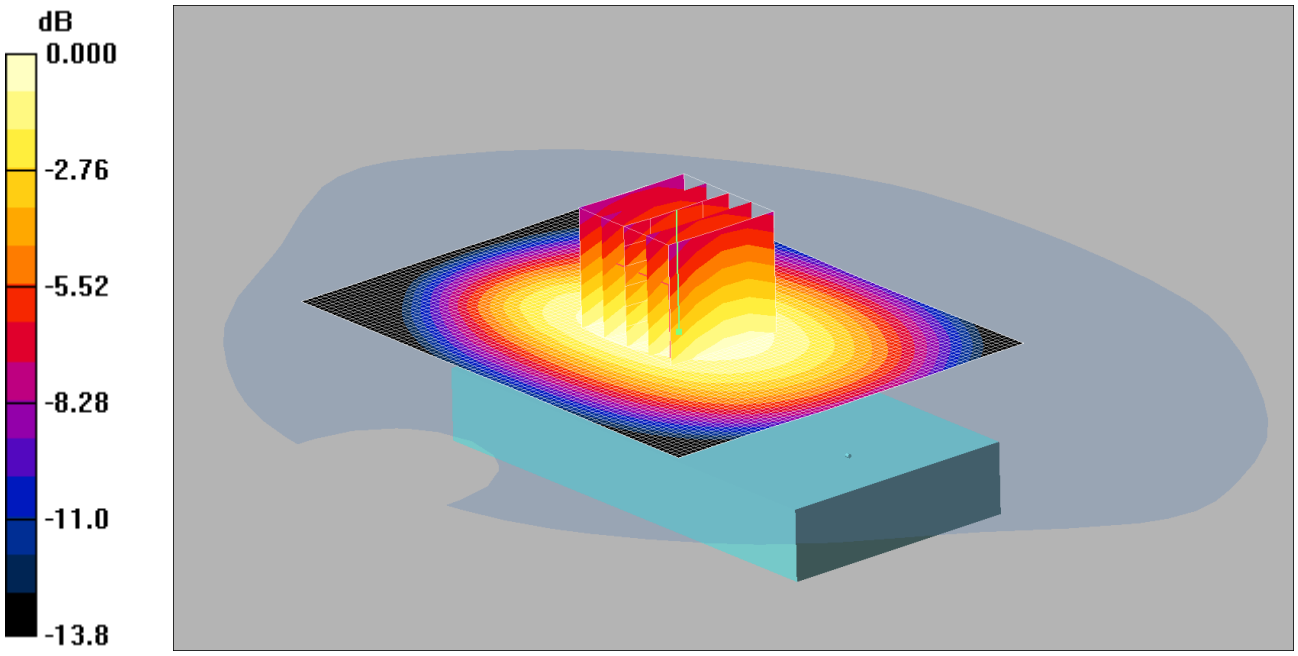
Appendix 3. SAR Distribution Scans

This appendix contains the following SAR distribution scans:

Scan Reference Number	Title
001	Front of EUT Facing Phantom GPRS 850 CH190
002	Front of EUT Facing Phantom GPRS 850 CH128
003	Front of EUT Facing Phantom GPRS 850 CH251
004	Back of EUT Facing Phantom GPRS 850 CH190
005	Back of EUT Facing Phantom GPRS 850 CH128
006	Back of EUT Facing Phantom GSM 850 CH251
007	Left Hand Side of EUT Facing Phantom GSM 850 CH190
008	Left Hand Side of EUT Facing Phantom GSM 850 CH128
009	Left Hand Side of EUT Facing Phantom GSM 850 CH251
010	Right Hand Side of EUT Facing Phantom GSM 850 CH190
011	Right Hand Side of EUT Facing Phantom GSM 850 CH128
012	Right Hand Side of EUT Facing Phantom GSM 850 CH251
013	Top of EUT Facing Phantom GPRS 850 CH190
014	Front of EUT Facing Phantom GPRS 1900 CH661
015	Back of EUT Facing Phantom GPRS 1900 CH661
016	Back of EUT Facing Phantom GPRS 1900 CH512
017	Back of EUT Facing Phantom GPRS 1900 CH810
018	Left Hand Side of EUT Facing Phantom GPRS 1900 CH661
019	Right Hand Side of EUT Facing Phantom GPRS 1900 CH661
020	Top of EUT Facing Phantom GPRS 1900 CH661
021	Front of EUT Facing Phantom WCDMA FDD 2 CH9400
022	Front of EUT Facing Phantom WCDMA FDD 2 CH9262
023	Front of EUT Facing Phantom WCDMA FDD 2 CH9538
024	Back of EUT Facing Phantom WCDMA FDD 2 CH9262
025	Back of EUT Facing Phantom WCDMA FDD 2 CH9400
026	Back of EUT Facing Phantom WCDMA FDD 2 CH9538
027	Left Hand Side of EUT Facing Phantom WCDMA FDD 2 CH9400
028	Right Hand Side of EUT Facing Phantom WCDMA FDD 2 CH9400
029	Top of EUT Facing Phantom WCDMA FDD 2 CH9400
030	Front of EUT Facing Phantom WCDMA FDD 5 CH4183
031	Front of EUT Facing Phantom WCDMA FDD 5 CH4132
032	Front of EUT Facing Phantom WCDMA FDD 5 CH4233
033	Back of EUT Facing Phantom WCDMA FDD 5 CH4183
034	Back of EUT Facing Phantom WCDMA FDD 5 CH4132
035	Back of EUT Facing Phantom WCDMA FDD 5 CH4233

Scan Reference Number	Title
036	Left Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4183
037	Left Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4132
038	Left Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4233
039	Right Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4183
040	Right Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4132
041	Right Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4233
042	Top of EUT Facing Phantom WCDMA FDD 5 CH4183
043	Back of EUT Facing Phantom WCDMA FDD 5 HSDPA CH4183
044	Back of EUT Facing Phantom WCDMA FDD 5 HSDPA CH4132
045	Back of EUT Facing Phantom WCDMA FDD 5 HSDPA CH4233
046	Back of EUT Facing Phantom WCDMA FDD 5 HSUPA CH4183
047	Back of EUT Facing Phantom WCDMA FDD 5 HSUPA CH4132
048	Back of EUT Facing Phantom WCDMA FDD 5 HSUPA CH4233
049	Front of EUT Facing Phantom WiFi 802.11g 6Mbps CH11
050	Back of EUT Facing Phantom WiFi 802.11g 6Mbps CH11
051	Left Hand Side of EUT Facing Phantom WiFi 802.11g 6Mbps CH11
052	Bottom of EUT Facing Phantom WiFi 802.11g 6Mbps CH11
053	Bottom of EUT Facing Phantom WiFi 802.11g 6Mbps CH1
054	Bottom of EUT Facing Phantom WiFi 802.11g 6Mbps CH6
055	System Performance Check 900MHz Body 30 06 14
056	System Performance Check 900MHz Body 10 07 14
057	System Performance Check 900MHz Body 06 08 14
058	System Performance Check 900MHz Body 11 08 14
059	System Performance Check 900MHz Body 14 08 14
060	System Performance Check 900MHz Body 18 08 14
061	System Performance Check 1900MHz Body 26 06 14
062	System Performance Check 1900MHz Body 07 07 14
063	System Performance Check 1900MHz Body 10 07 14
064	System Performance Check 1900MHz Body 08 08 14
065	System Performance Check 1900MHz Body 14 08 14
066	System Performance Check 2450MHz Body 15 07 14

001: Front of EUT Facing Phantom GPRS 850 CH190
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

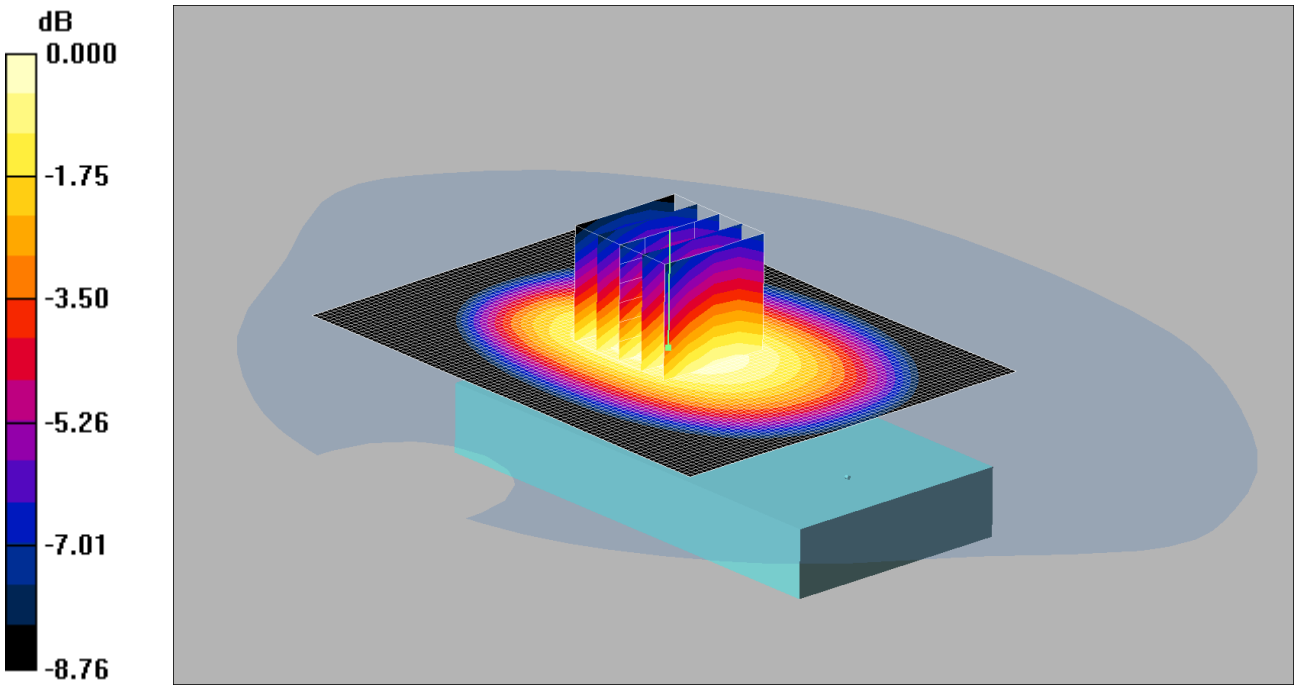


0 dB = 1.04mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.99 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Front of EUT facing Phantom - Middle/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 mW/g
Front of EUT facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.2 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.732 mW/g
Maximum value of SAR (measured) = 1.04 mW/g

002: Front of EUT Facing Phantom GPRS 850 CH128
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

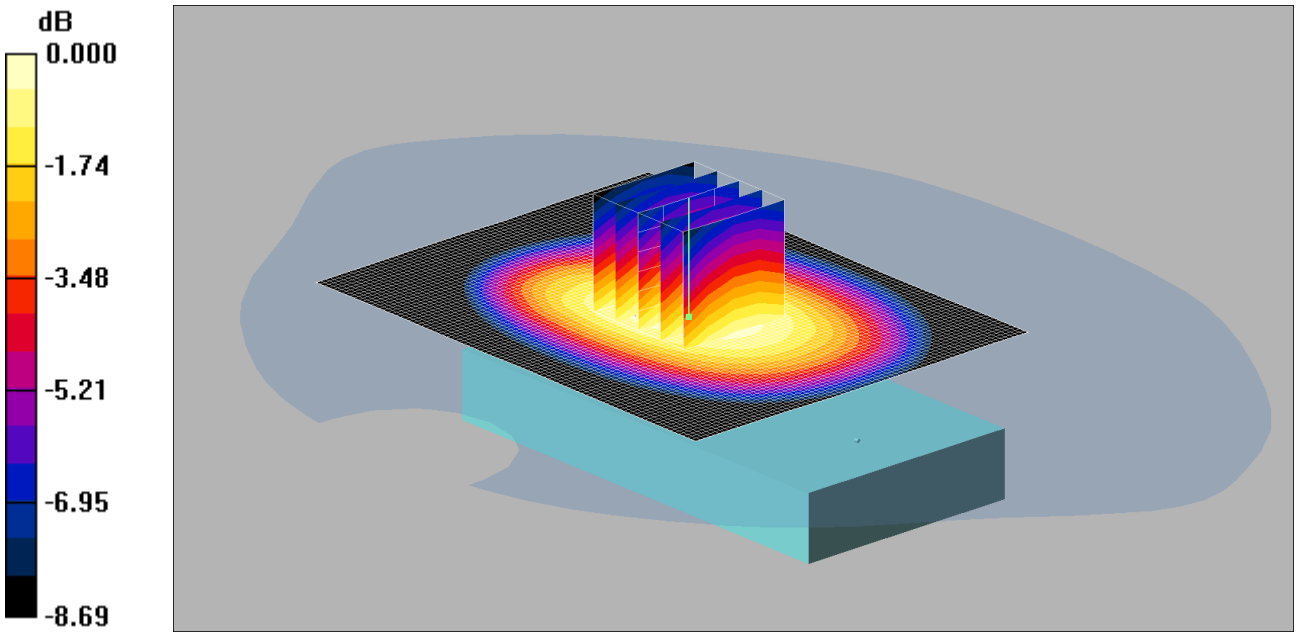


0 dB = 1.05mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 824.2 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.983 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Front of EUT facing Phantom - Low/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g
Front of EUT facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.8 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.751 mW/g
Maximum value of SAR (measured) = 1.05 mW/g

003: Front of EUT Facing Phantom GPRS 850 CH251
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

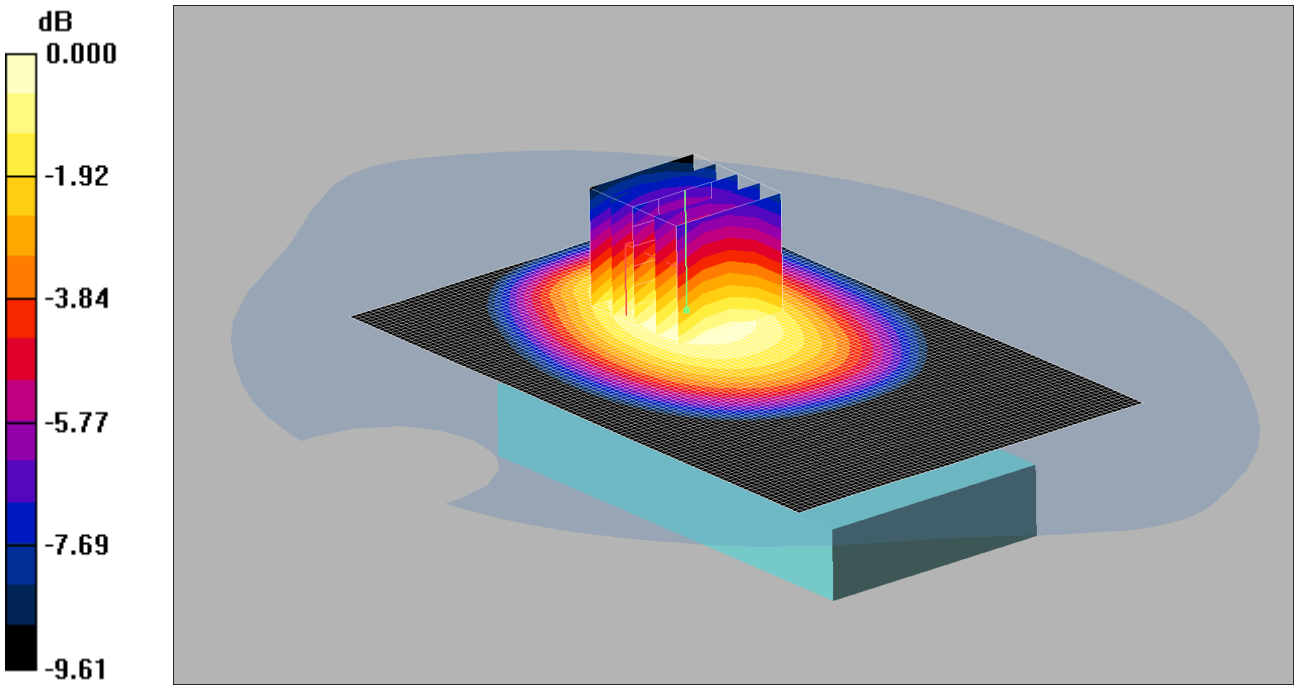


0 dB = 1.06mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 848.8 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.996 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Front of EUT facing Phantom - High/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 mW/g
Front of EUT facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.0 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.757 mW/g
Maximum value of SAR (measured) = 1.06 mW/g

004: Back of EUT Facing Phantom GPRS 850 CH190
Date: 12/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

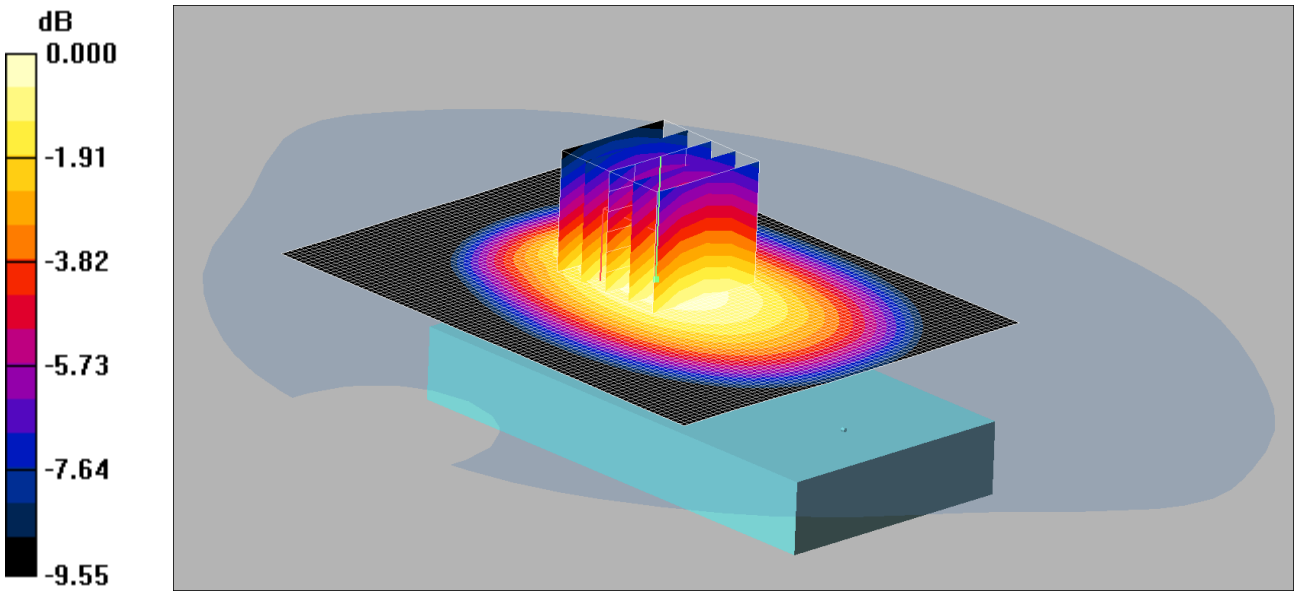


0 dB = 1.24mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.99 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back of EUT facing Phantom - High 2/Area Scan 2 (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.26 mW/g
Back of EUT facing Phantom - High 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.2 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.891 mW/g
Maximum value of SAR (measured) = 1.24 mW/g

005: Back of EUT Facing Phantom GPRS 850 CH128
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

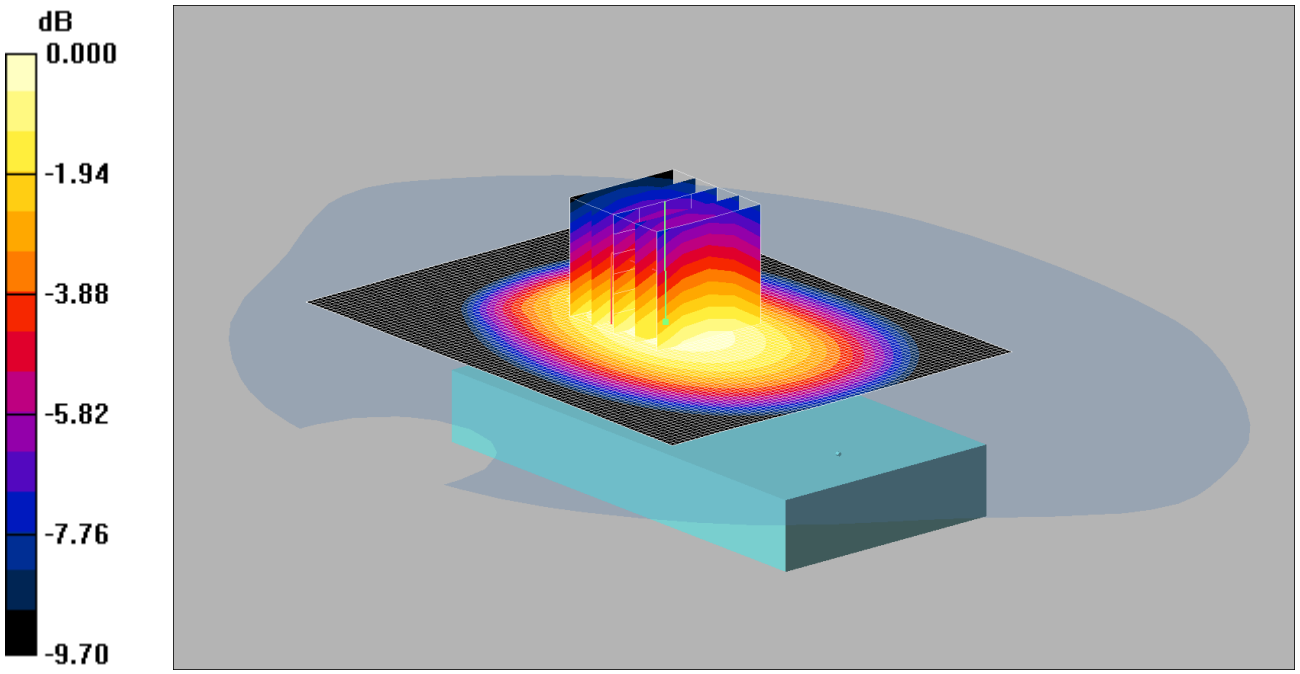


0 dB = 1.26mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 824.2 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.983 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back of EUT facing Phantom - Low/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.24 mW/g
Back of EUT facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.5 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.884 mW/g
Maximum value of SAR (measured) = 1.26 mW/g

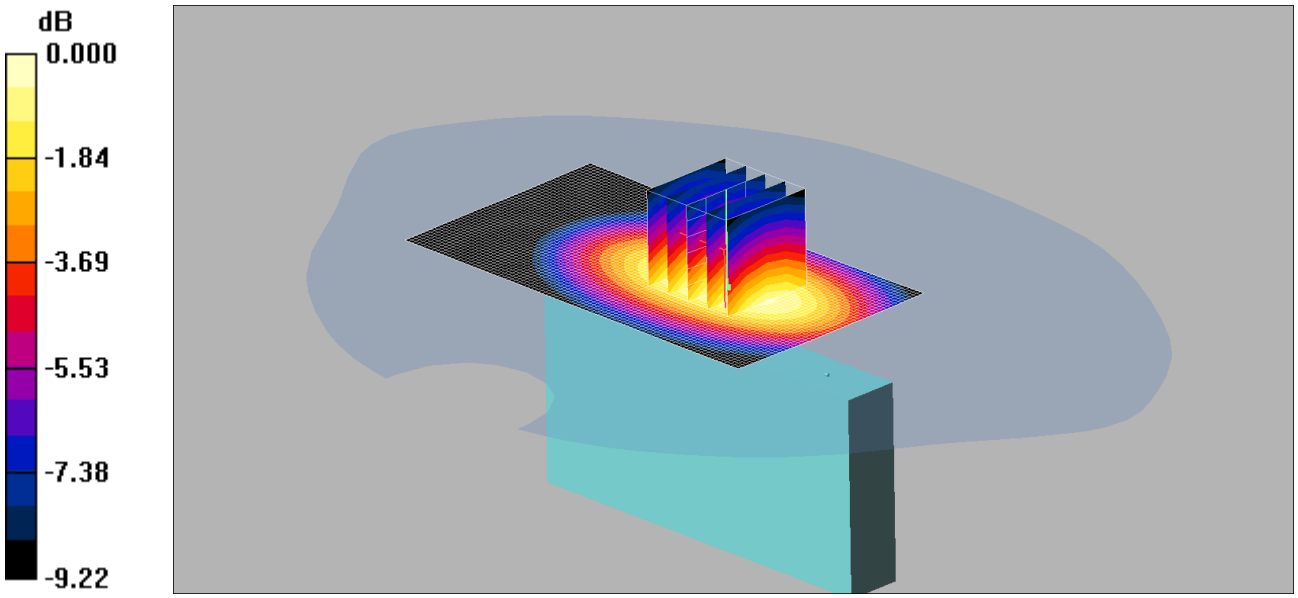
006: Back of EUT Facing Phantom GSM 850 CH251
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 1.34mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 848.8 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.996 mho/m; εr = 56.2; ρ = 1000 kg/m3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159
Back of EUT facing Phantom - High 2/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.34 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 = 36.3 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.920 mW/g
Maximum value of SAR (measured) = 1.34 mW/g

007: Left Hand Side of EUT Facing Phantom GSM 850 CH190
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

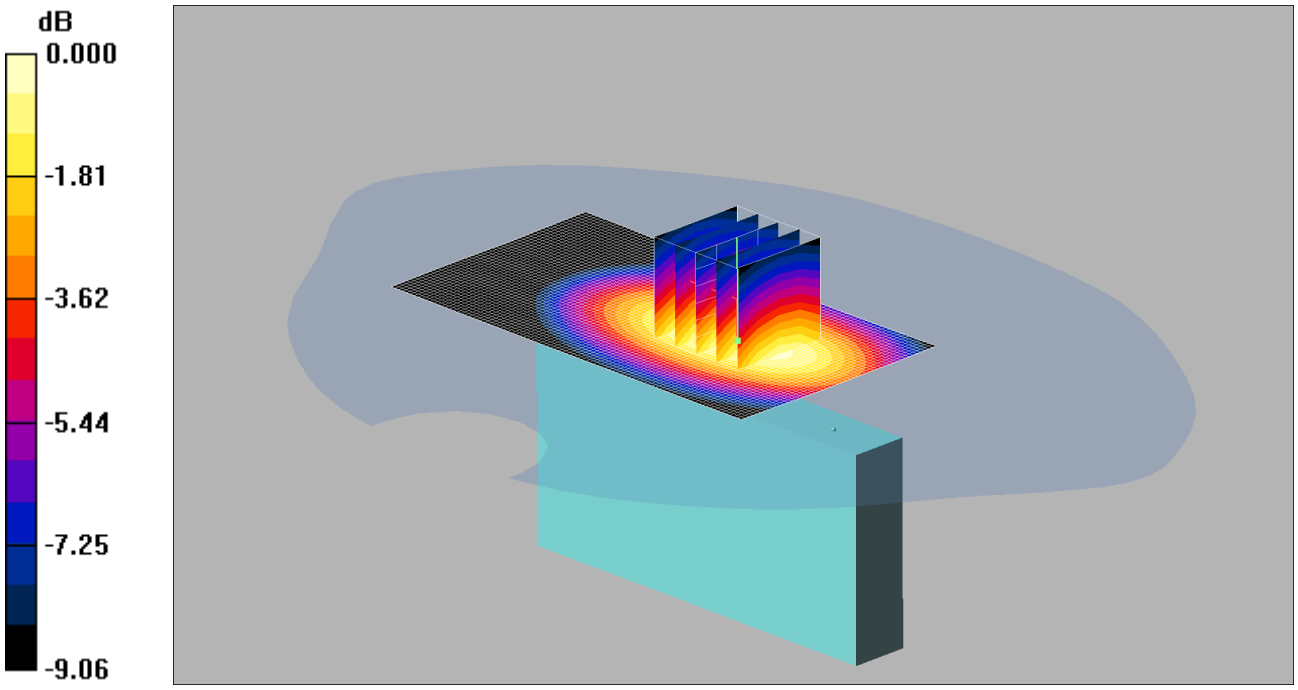


0 dB = 0.888mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.99 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Left Hand Side of EUT facing Phantom - Middle/Area Scan 2 (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.873 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 = 31.3 V/m; Power Drift = -0.103 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.825 mW/g; SAR(10 g) = 0.582 mW/g
Maximum value of SAR (measured) = 0.888 mW/g

008: Left Hand Side of EUT Facing Phantom GSM 850 CH128
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

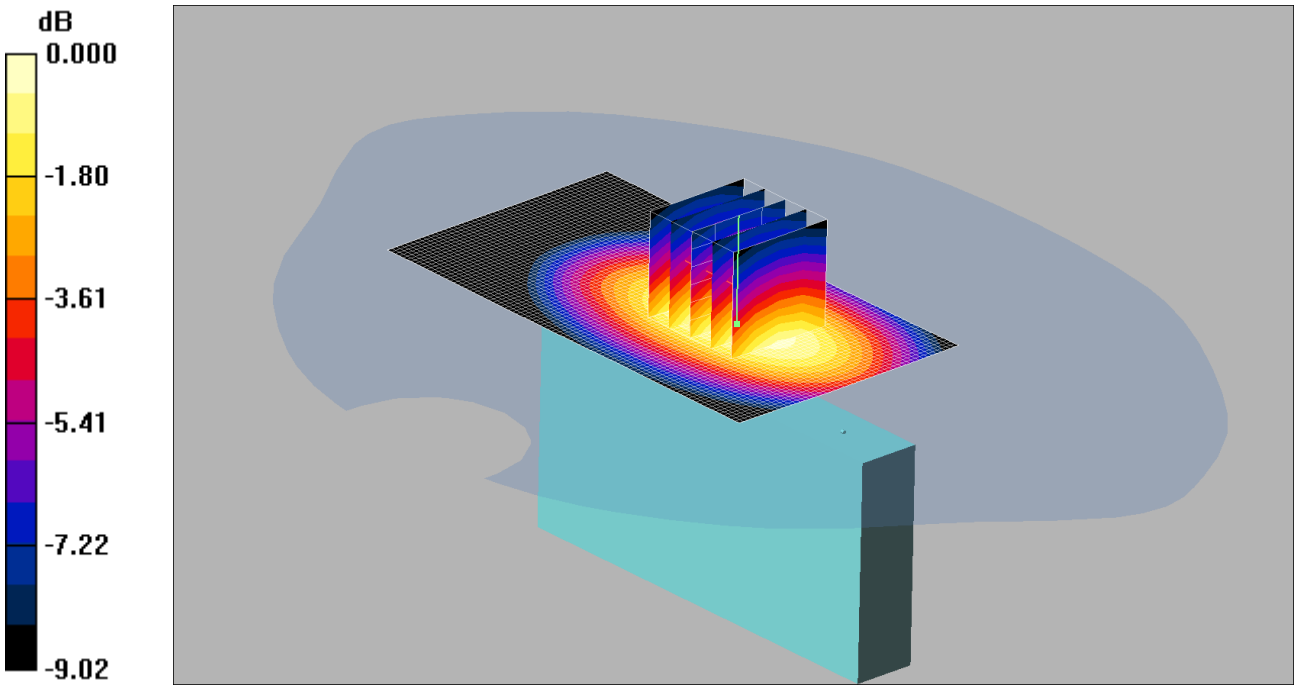


0 dB = 0.814mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 824.2 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.983 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Left Hand Side of EUT facing Phantom - Low/Area Scan 2 (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.815 mW/g
Left Hand Side of EUT facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.3 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.539 mW/g
Maximum value of SAR (measured) = 0.814 mW/g

009: Left Hand Side of EUT Facing Phantom GSM 850 CH251
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

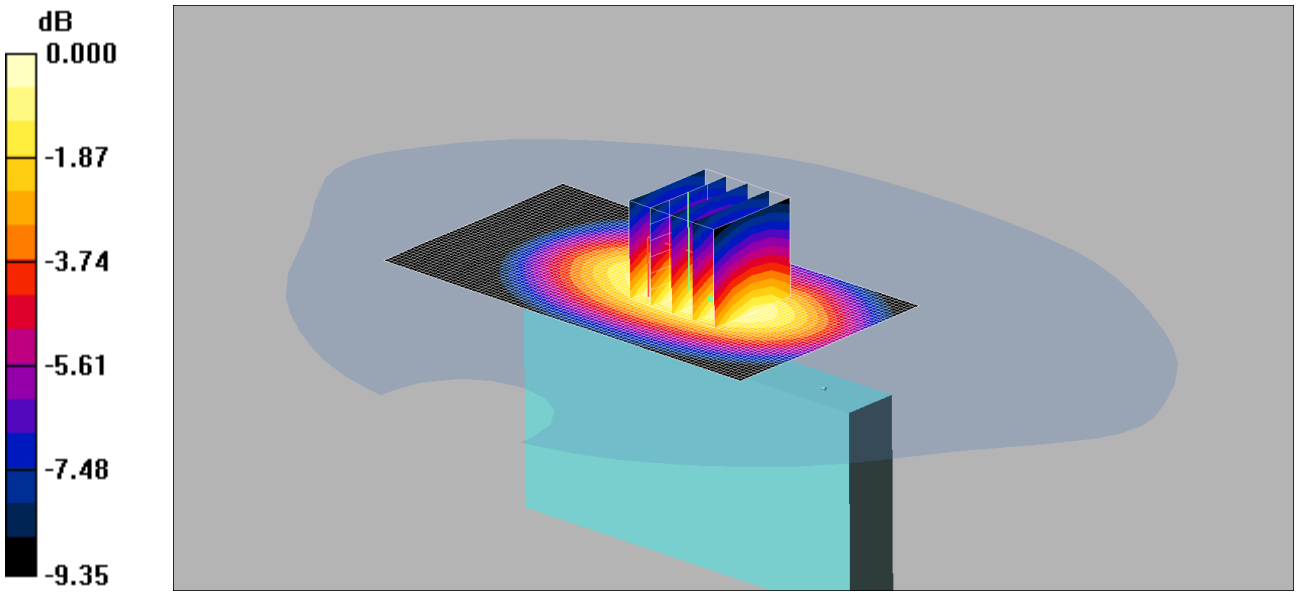


0 dB = 0.891mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 848.8 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.996 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Left Hand Side of EUT facing Phantom - High/Area Scan 2 (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.887 mW/g
Left Hand Side of EUT facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.2 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.591 mW/g
Maximum value of SAR (measured) = 0.891 mW/g

010: Right Hand Side of EUT Facing Phantom GSM 850 CH190
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

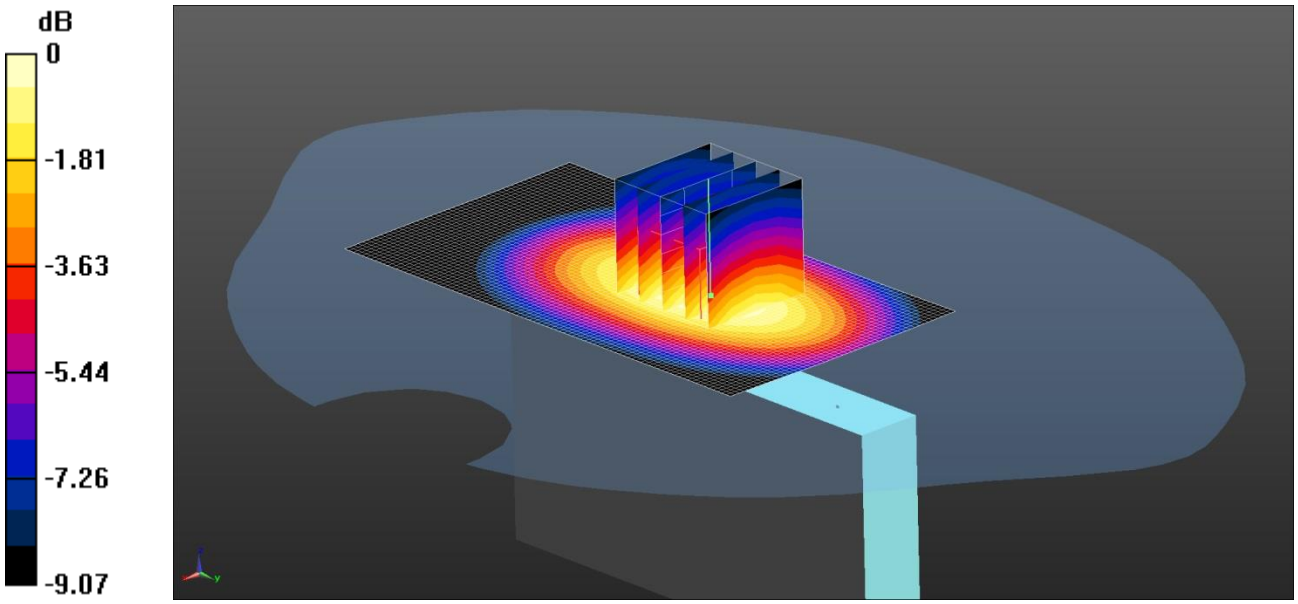


0 dB = 0.827mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.99 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159
Right Hand Side of EUT facing Phantom - Middle/Area Scan 2 (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.850 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 = 29.9 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.547 mW/g
Maximum value of SAR (measured) = 0.827 mW/g

011: Right Hand Side of EUT Facing Phantom GSM 850 CH128
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

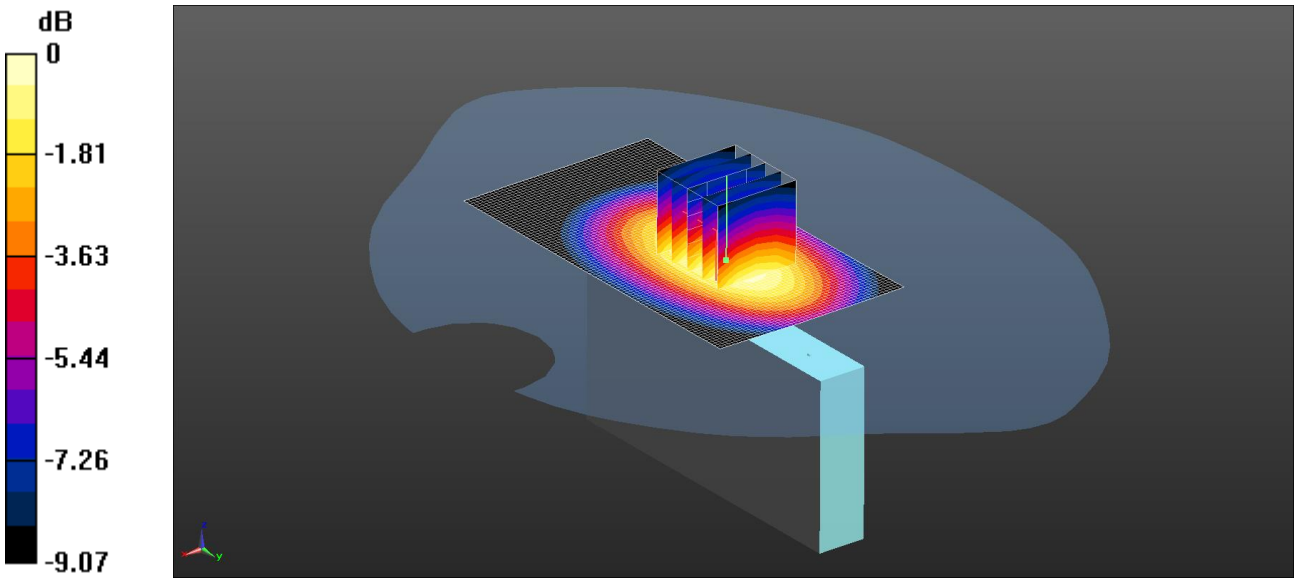


0 dB = 0.738 W/kg = -1.32 dBW/kg

Communication System: UID 0 - n/a, GPRS 850 MHz 3TX; Frequency: 824.2 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.983 S/m; ε_r = 56.266; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.9 (7117)

Configuration/Right Hand Side of EUT facing Phantom - Low/Area Scan 2 (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.748 W/kg
Configuration/Right Hand Side of EUT facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.252 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.919 W/kg
SAR(1 g) = 0.690 W/kg; SAR(10 g) = 0.487 W/kg
Maximum value of SAR (measured) = 0.738 W/kg

012: Right Hand Side of EUT Facing Phantom GSM 850 CH251
Date: 13/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

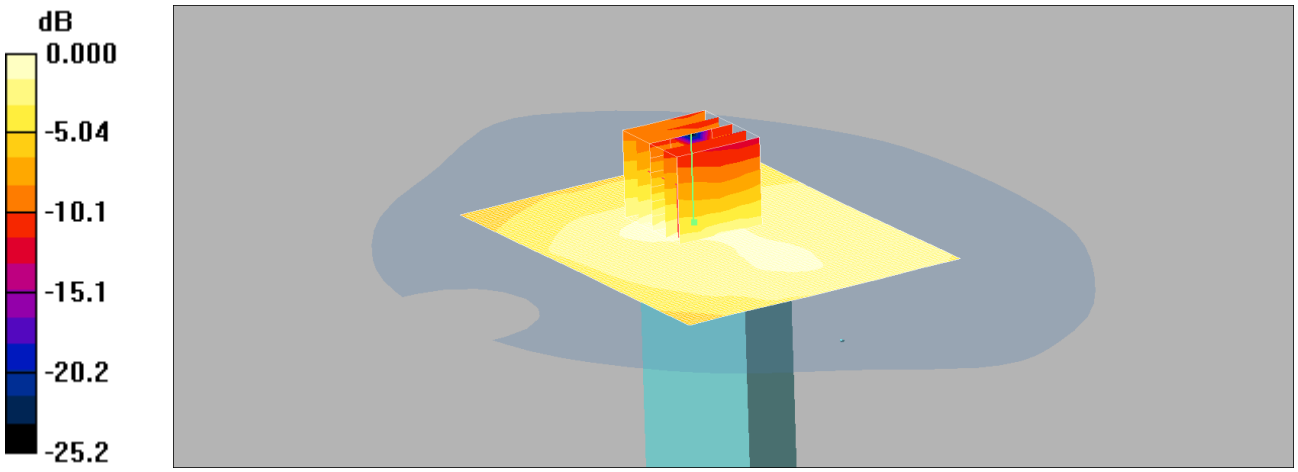


0 dB = 0.841 W/kg = -0.75 dBW/kg

Communication System: UID 0 - n/a, GPRS 850 MHz 3TX; Frequency: 848.8 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.996 S/m; ε_r = 56.16; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.9 (7117)

Configuration/Right Hand Side of EUT facing Phantom - Middle/Area Scan 2 (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.843 W/kg
Configuration/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 = 30.354 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.552 W/kg
Maximum value of SAR (measured) = 0.841 W/kg

013: Top of EUT Facing Phantom GPRS 850 CH190
Date: 15/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 0.066mW/g

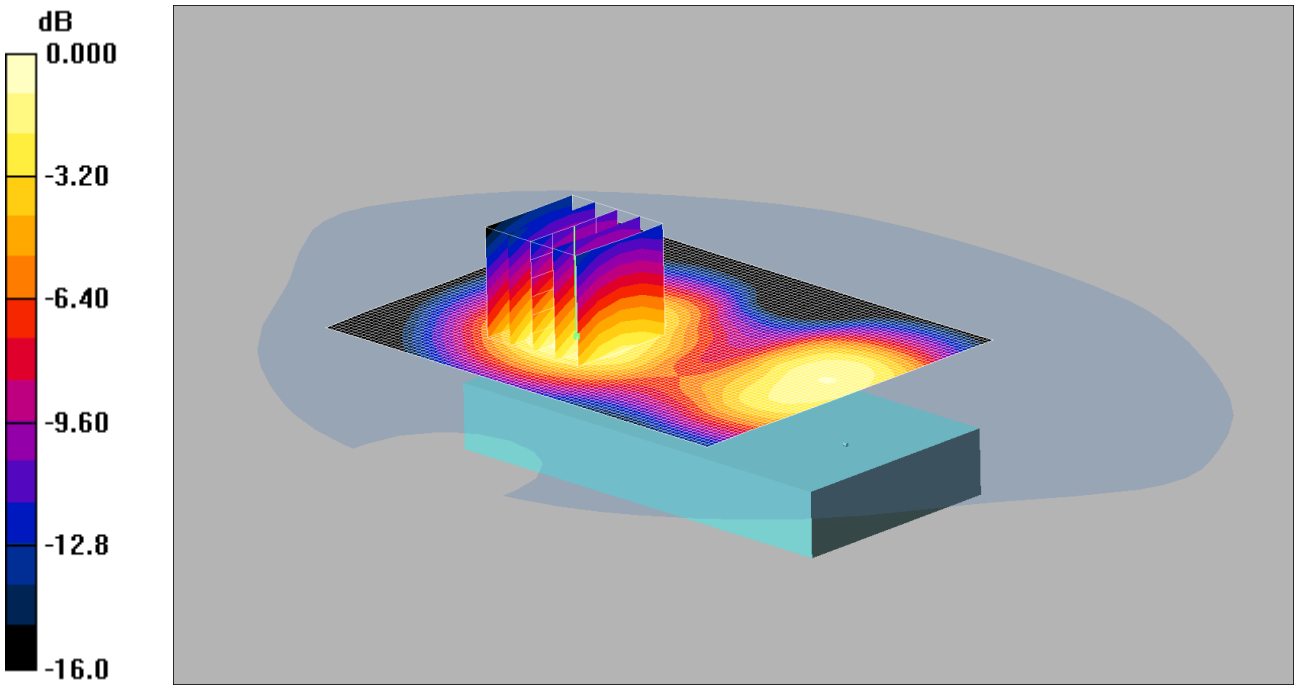
Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz;Duty Cycle: 1:2.67
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.984 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Top of EUT facing Phantom - Middle/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.060 mW/g

Top 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 = -0.118 dB
Peak SAR (extrapolated) = 0.118 W/kg
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.066 mW/g

Note: SAR level measured is very low as equivalent to noise floor.

014: Front of EUT Facing Phantom GPRS 1900 CH661
Date: 14/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



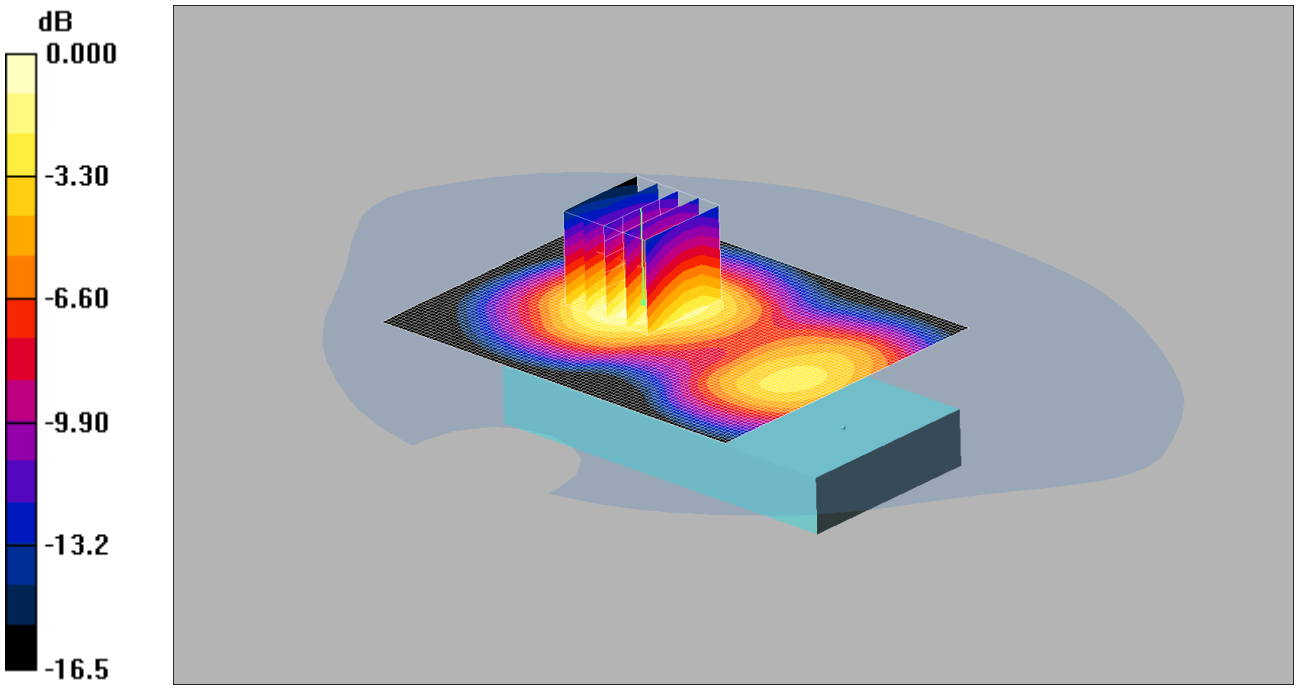
0 dB = 0.503mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.49 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Front of EUT facing Phantom - Middle/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.523 mW/g

Front of EUT facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.32 V/m; Power Drift = -0.091 dB
Peak SAR (extrapolated) = 0.698 W/kg
SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.291 mW/g
Maximum value of SAR (measured) = 0.503 mW/g

015: Back of EUT Facing Phantom GPRS 1900 CH661
Date: 14/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



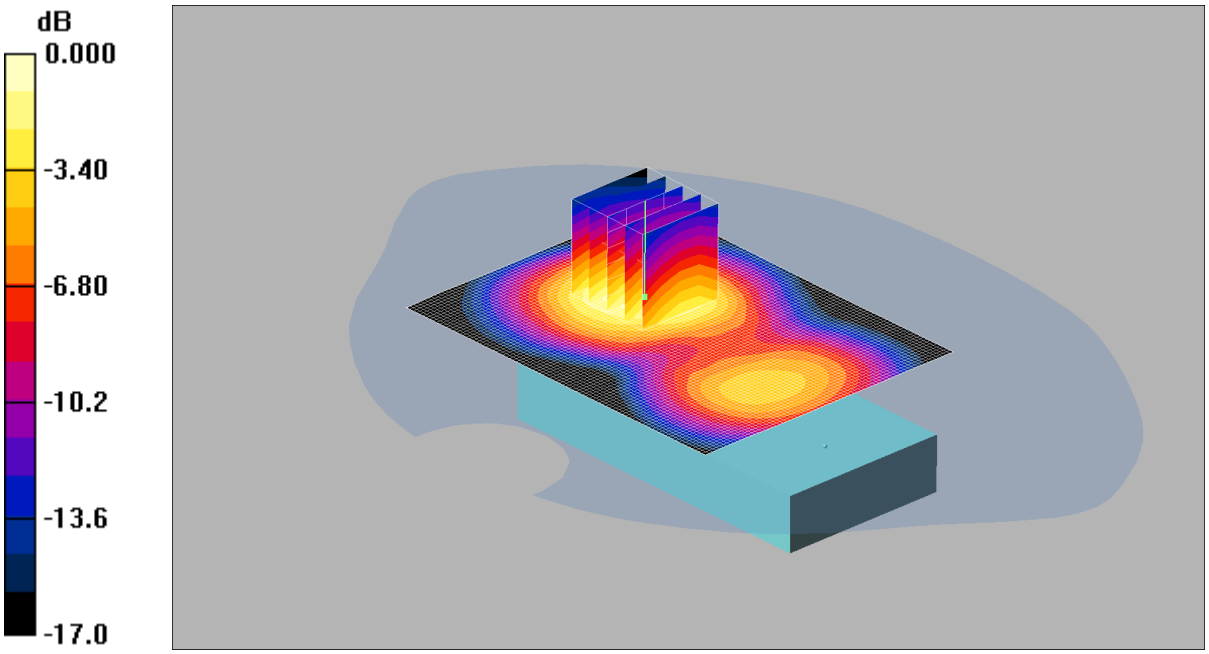
0 dB = 0.712mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.49 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back of EUT facing Phantom - Middle/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.726 mW/g

Back of EUT facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.5 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.394 mW/g
Maximum value of SAR (measured) = 0.712 mW/g

016: Back of EUT Facing Phantom GPRS 1900 CH512
Date: 15/09/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



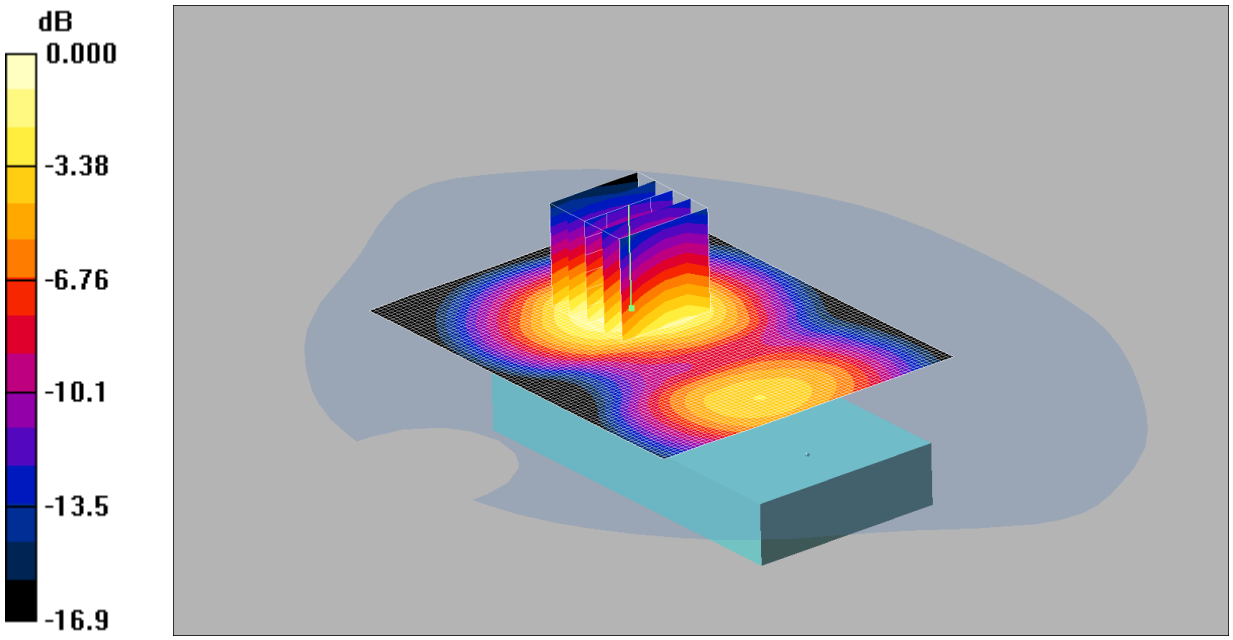
0 dB = 0.742mW/g

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 = 1.46 mho/m; εr = 54.1; ρ = 1000 kg/m3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back of EUT facing Phantom - Low/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.743 mW/g

Back of EUT facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.82 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.396 mW/g
Maximum value of SAR (measured) = 0.742 mW/g

017: Back of EUT Facing Phantom GPRS 1900 CH810
Date: 15/09/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

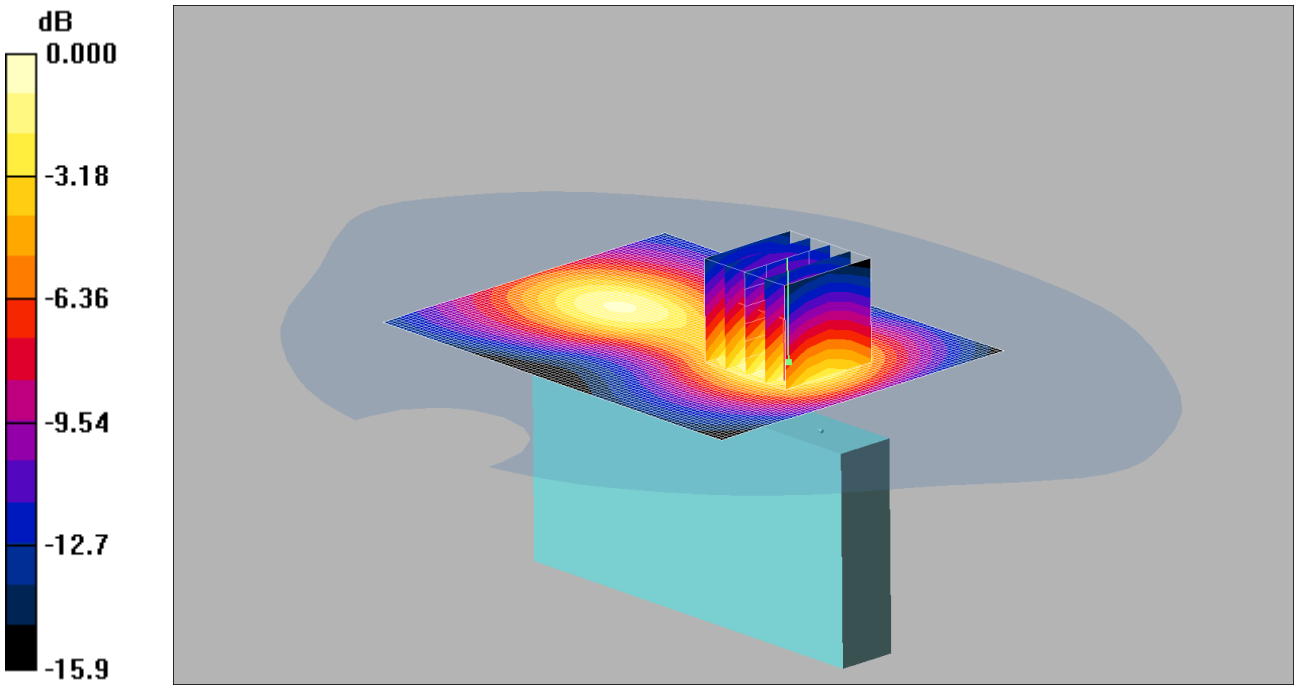


0 dB = 0.904mW/g

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 = 1.53 mho/m; εr = 53.9; ρ = 1000 kg/m3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159
Back of EUT facing Phantom - High 2/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.944 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 = 10.0 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.494 mW/g
Maximum value of SAR (measured) = 0.904 mW/g

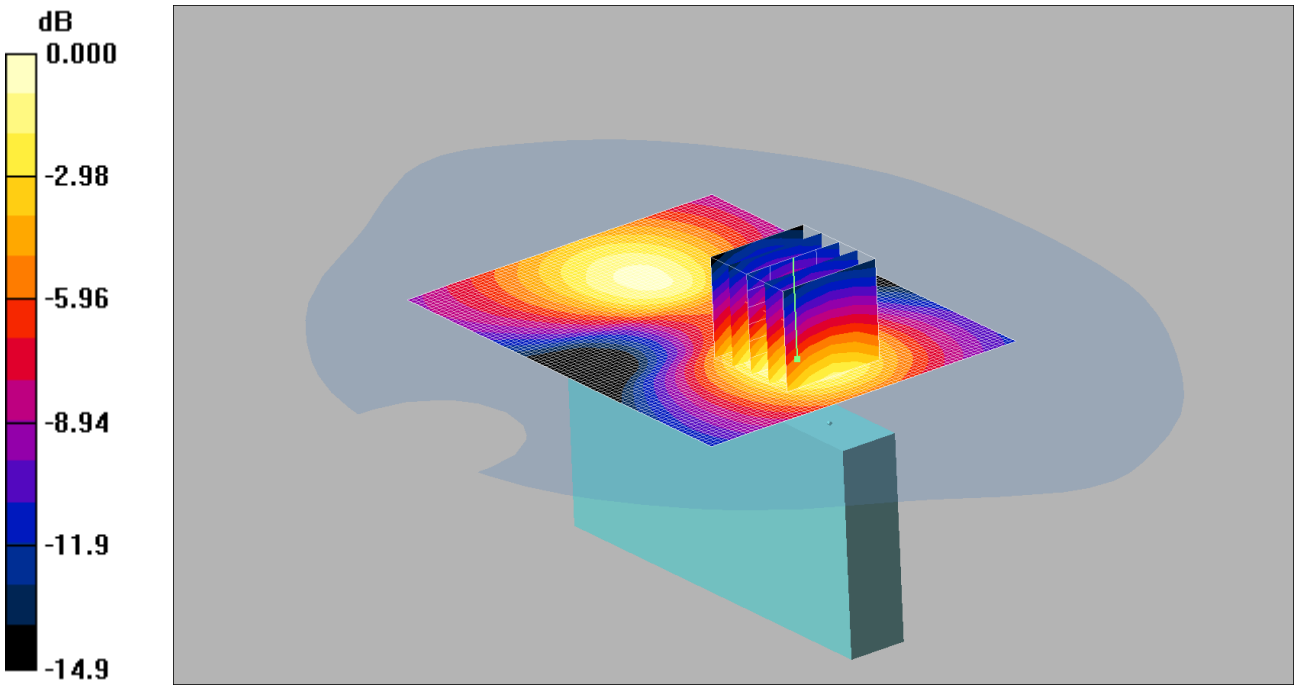
018: Left Hand Side of EUT Facing Phantom GPRS 1900 CH661
Date: 14/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 0.285mW/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 = 1.49 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159
Left Hand Side of EUT facing Phantom - Middle/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.291 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 = 9.92 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 0.416 W/kg
SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.155 mW/g
Maximum value of SAR (measured) = 0.285 mW/g

019: Right Hand Side of EUT Facing Phantom GPRS 1900 CH661
Date: 14/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



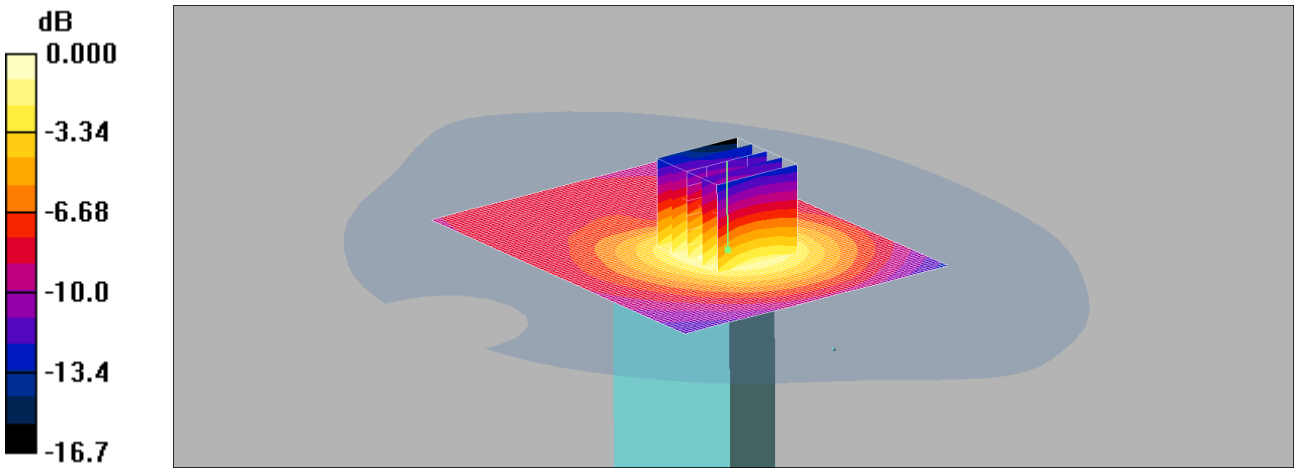
0 dB = 0.092mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.49 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159
Right Hand Side of EUT facing Phantom - Middle/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.093 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 = 3.79 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 0.131 W/kg
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.092 mW/g

Note: SAR level measured is very low as equivalent to noise floor.

020: Top of EUT Facing Phantom GPRS 1900 CH661
Date: 15/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



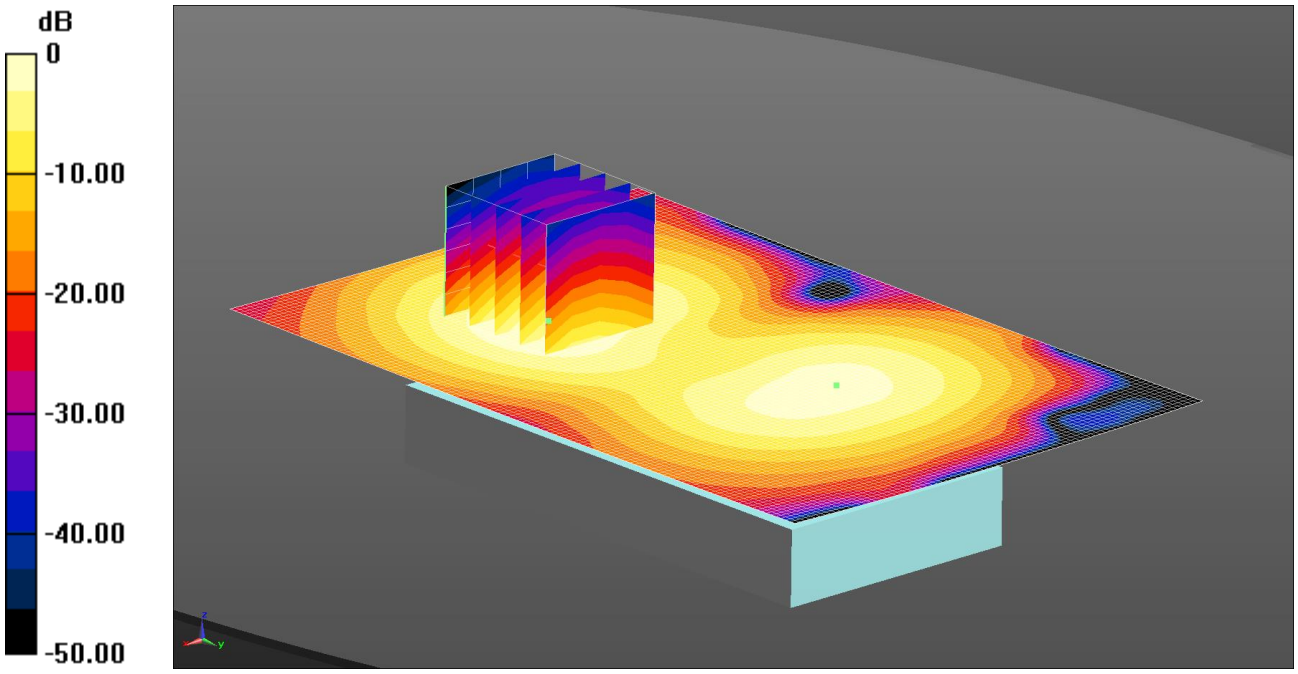
0 dB = 0.144mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.49 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Top of EUT facing Phantom - Middle/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.152 mW/g

Top 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 = -0.011 dB
Peak SAR (extrapolated) = 0.211 W/kg
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.144 mW/g

021: Front of EUT Facing Phantom WCDMA FDD 2 CH9400
Date: 27/6/14
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



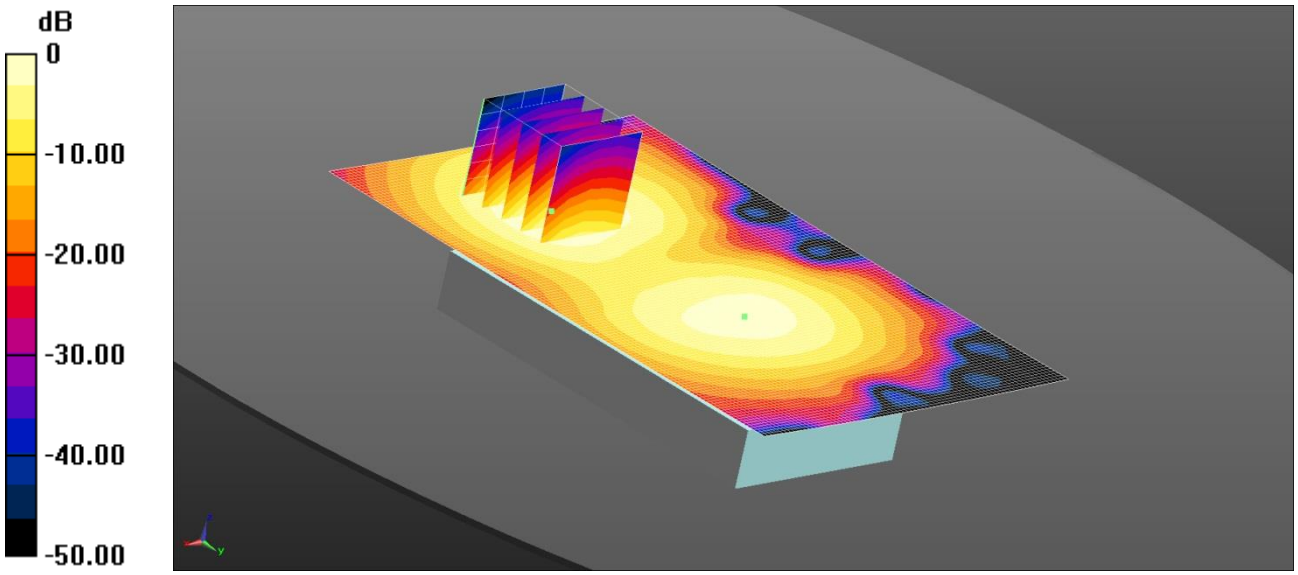
0 dB = 0.843 W/kg = -0.74 dBW/kg

Communication System: UID 0, WCDMA FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900Mhz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.511 S/m; ε_r = 54.278; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Front of EUT Facing Phantom/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.843 W/kg

Configuration/Front of EUT Facing Phantom/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.980 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.749 W/kg; SAR(10 g) = 0.456 W/kg
Maximum value of SAR (measured) = 0.809 W/kg

022: Front of EUT Facing Phantom WCDMA FDD 2 CH9262
Date: 27/6/14
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



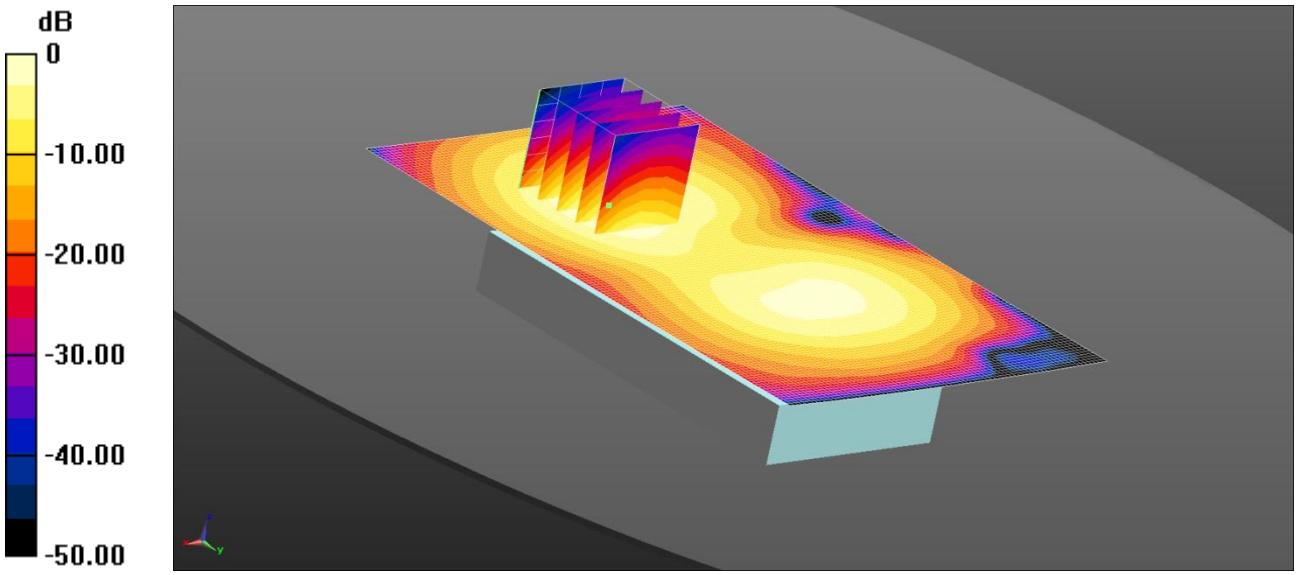
0 dB = 0.840 W/kg = -0.76 dBW/kg

Communication System: UID 0, WCDMA FDD (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: 1900Mhz MSL Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.481 S/m; ε_r = 54.352; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Front of EUT Facing Phantom/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.840 W/kg

Configuration/Front of EUT Facing Phantom/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.88 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.714 W/kg; SAR(10 g) = 0.442 W/kg
Maximum value of SAR (measured) = 0.761 W/kg

023: Front of EUT Facing Phantom WCDMA FDD 2 CH9538
Date: 27/6/14
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



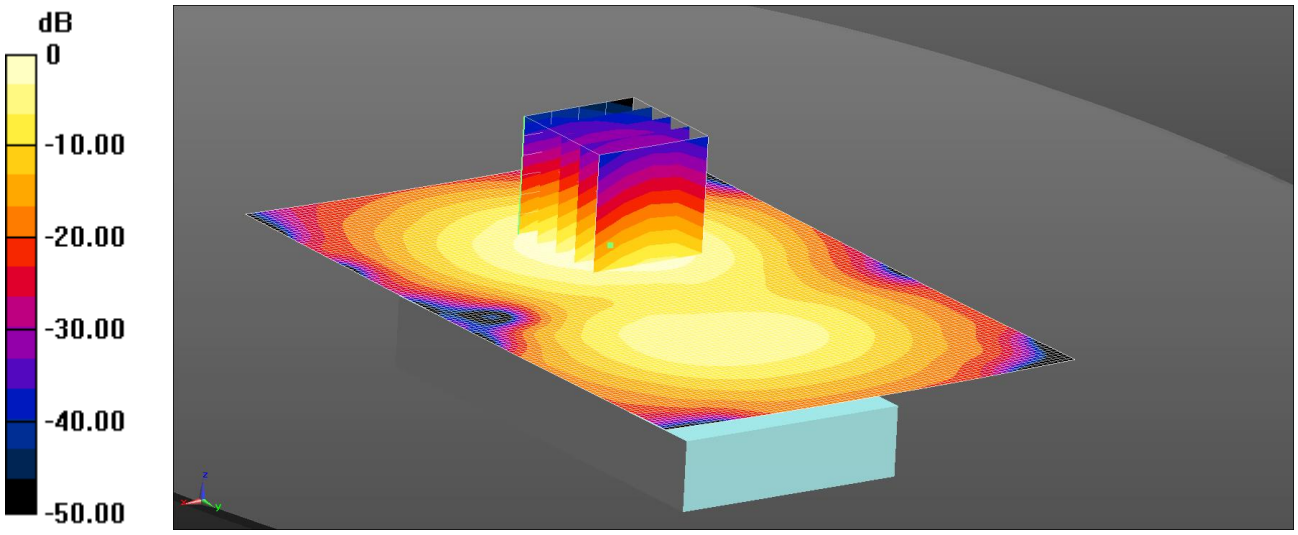
0 dB = 0.788 W/kg = -1.03 dBW/kg

Communication System: UID 0, WCDMA FDD (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: 1900Mhz MSL Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.54 S/m; ε_r = 54.205; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Front of EUT Facing Phantom/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.788 W/kg

Configuration/Front of EUT Facing Phantom/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.462 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.399 W/kg
Maximum value of SAR (measured) = 0.700 W/kg

024: Back of EUT Facing Phantom WCDMA FDD 2 CH9262
Date: 8/7/14
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



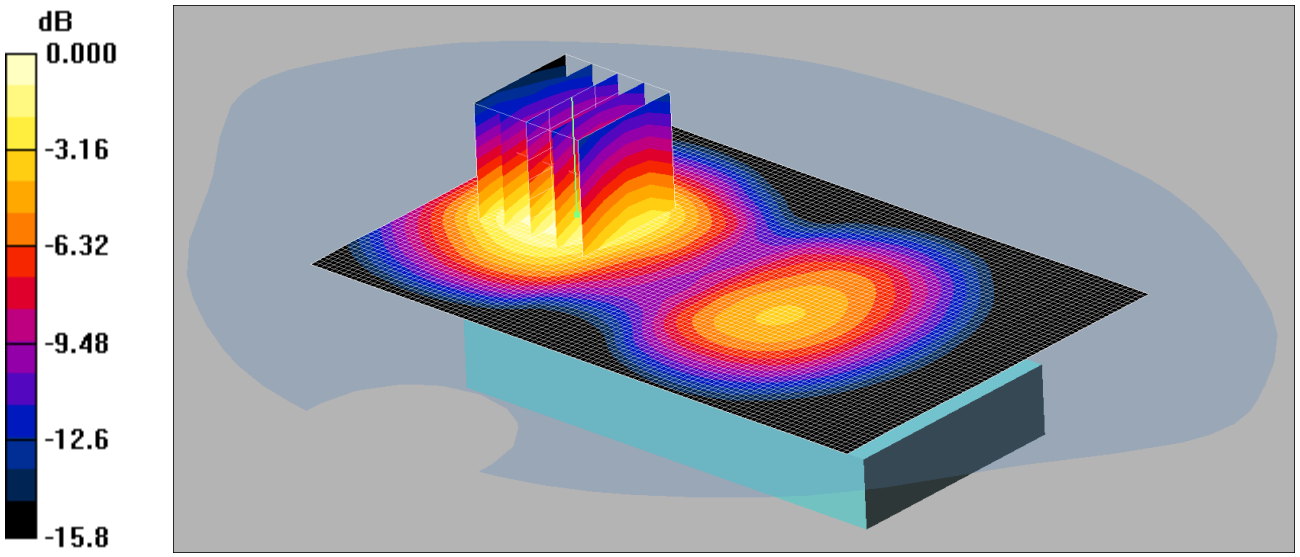
0 dB = 1.04 W/kg = 0.18 dBW/kg

Communication System: UID 0, WCDMA FDD (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: 1900Mhz MSL Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.444 S/m; ε_r = 52.247; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back of EUT Facing Phantom/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Configuration/Back of EUT Facing Phantom/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.54 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.908 W/kg; SAR(10 g) = 0.542 W/kg
Maximum value of SAR (measured) = 0.993 W/kg

025: Back of EUT Facing Phantom WCDMA FDD 2 CH9400
Date: 11/07/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

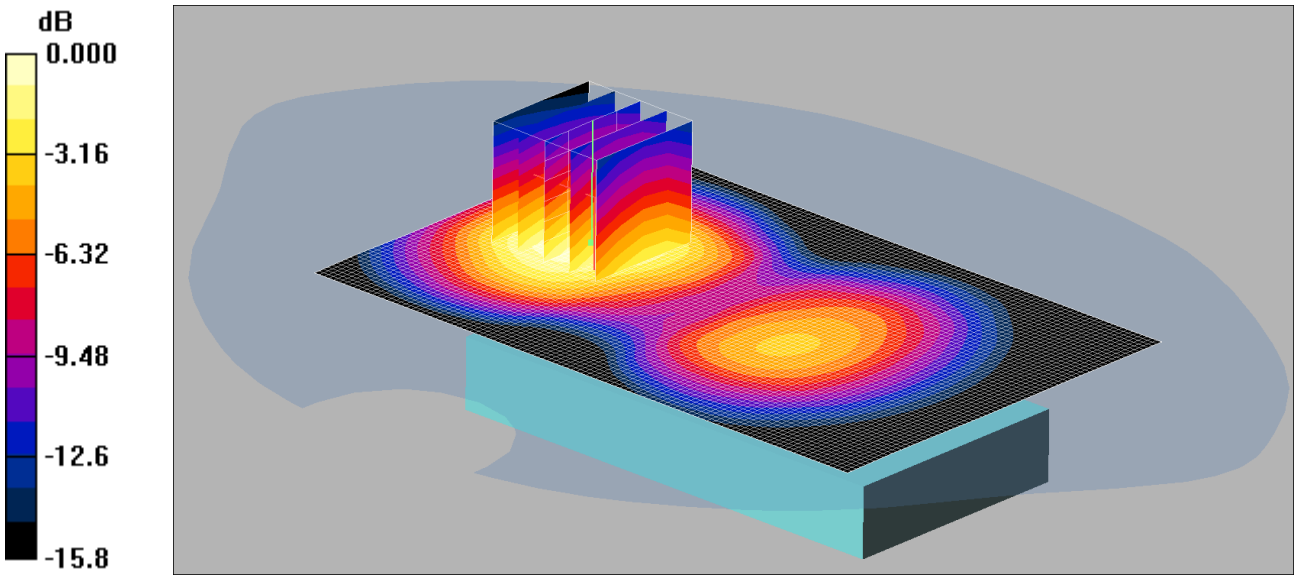


0 dB = 1.05mW/g

Communication System: WCDMA-FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.47 mho/m; εr = 54.1; ρ = 1000 kg/m3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159
Back of EUT facing Phantom - Middle/Area Scan 2 (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.09 mW/g

Back of EUT facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.78 V/m; Power Drift = 0.057 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.587 mW/g
Maximum value of SAR (measured) = 1.05 mW/g

026: Back of EUT Facing Phantom WCDMA FDD 2 CH9538
Date: 08/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



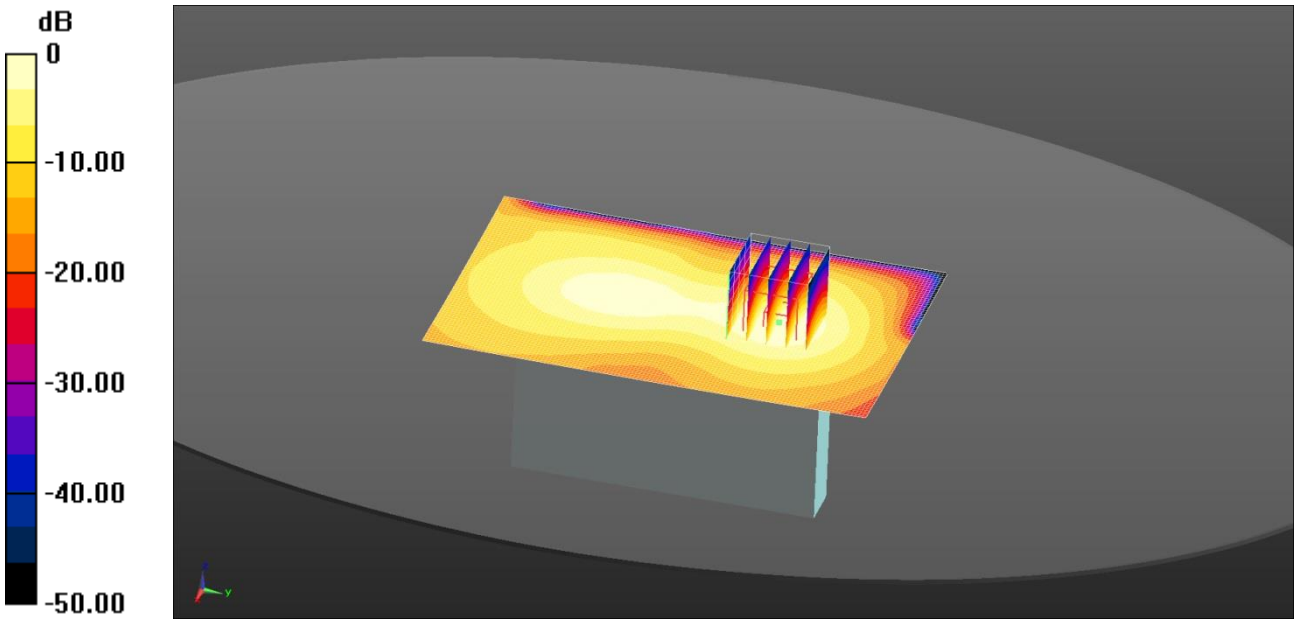
0 dB = 0.946mW/g

Communication System: WCDMA-FDD II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.49 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back of EUT facing Phantom - High/Area Scan 2 (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g

Back of EUT facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.530 mW/g
Maximum value of SAR (measured) = 0.946 mW/g

027: Left Hand Side of EUT Facing Phantom WCDMA FDD 2 CH9400
Date: 11/7/14
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



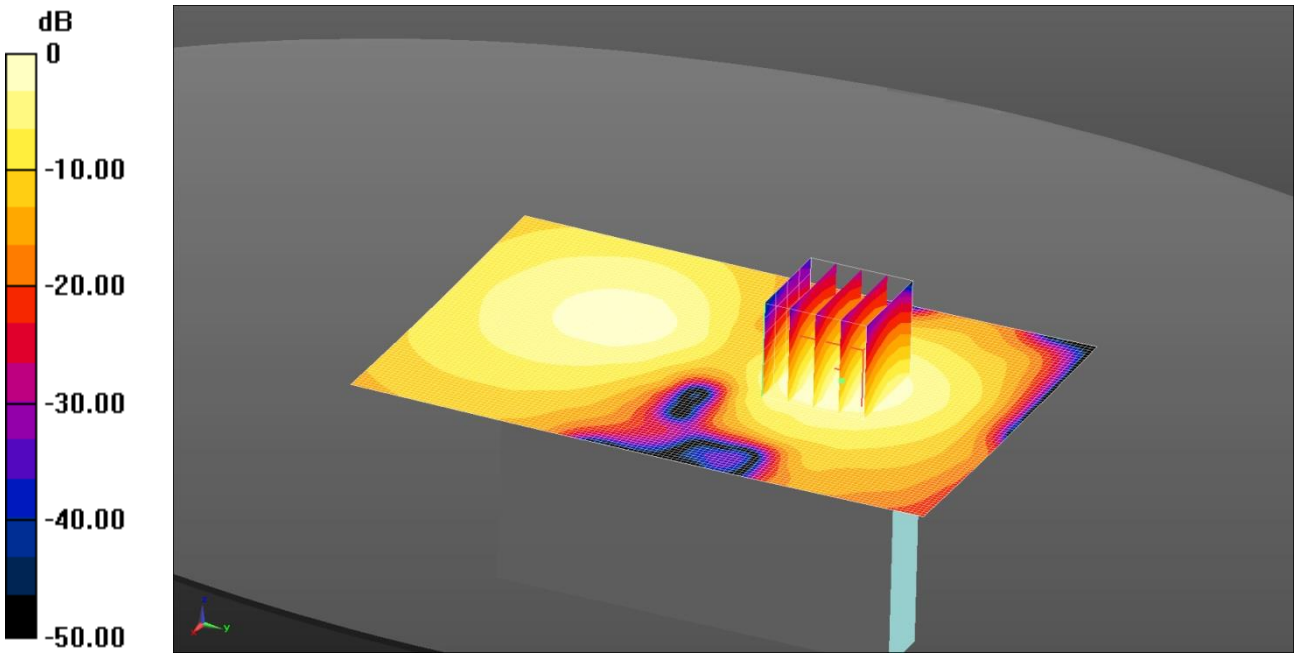
0 dB = 0.372 W/kg = -4.30 dBW/kg

Communication System: UID 0, WCDMA FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.438 S/m; ε_r = 52.45; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Left Hand Side of EUT Facing Phantom/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.372 W/kg

Configuration/Left Hand Side of EUT Facing Phantom/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.67 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.558 W/kg
SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.200 W/kg
Maximum value of SAR (measured) = 0.362 W/kg

028: Right Hand Side of EUT Facing Phantom WCDMA FDD 2 CH9400
Date: 11/7/14
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



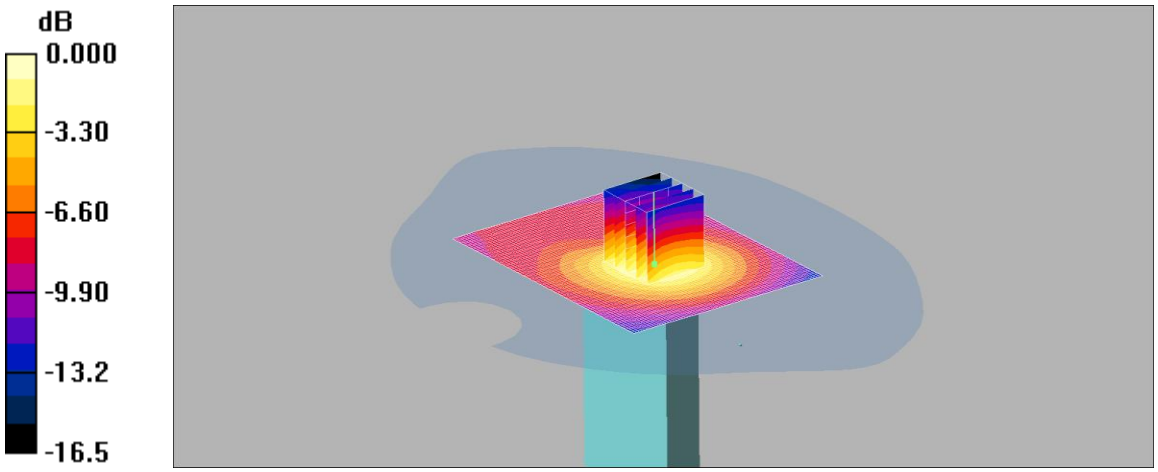
0 dB = 0.173 W/kg = -7.62 dBW/kg

Communication System: UID 0, WCDMA FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.438 S/m; ε_r = 52.45; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Right Hand Side of EUT Facing Phantom/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.173 W/kg

Configuration/Right Hand Side of EUT Facing Phantom/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.496 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.250 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.089 W/kg
Maximum value of SAR (measured) = 0.165 W/kg

029: Top of EUT Facing Phantom WCDMA FDD 2 CH9400
Date: 15/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



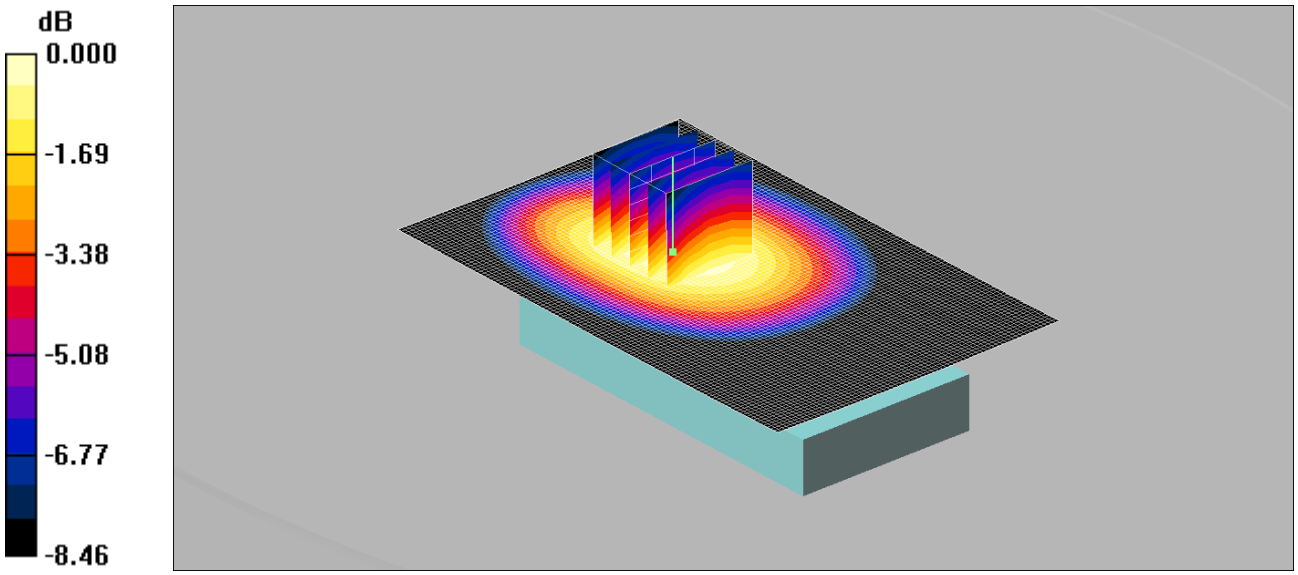
0 dB = 0.223mW/g

Communication System: WCDMA-FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Top of EUT facing Phantom - Middle/Area Scan 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.230 mW/g

Top 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 = 0.150 dB
Peak SAR (extrapolated) = 0.321 W/kg
SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.223 mW/g

030: Front of EUT Facing Phantom WCDMA FDD 5 CH4183
Date: 30/06/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

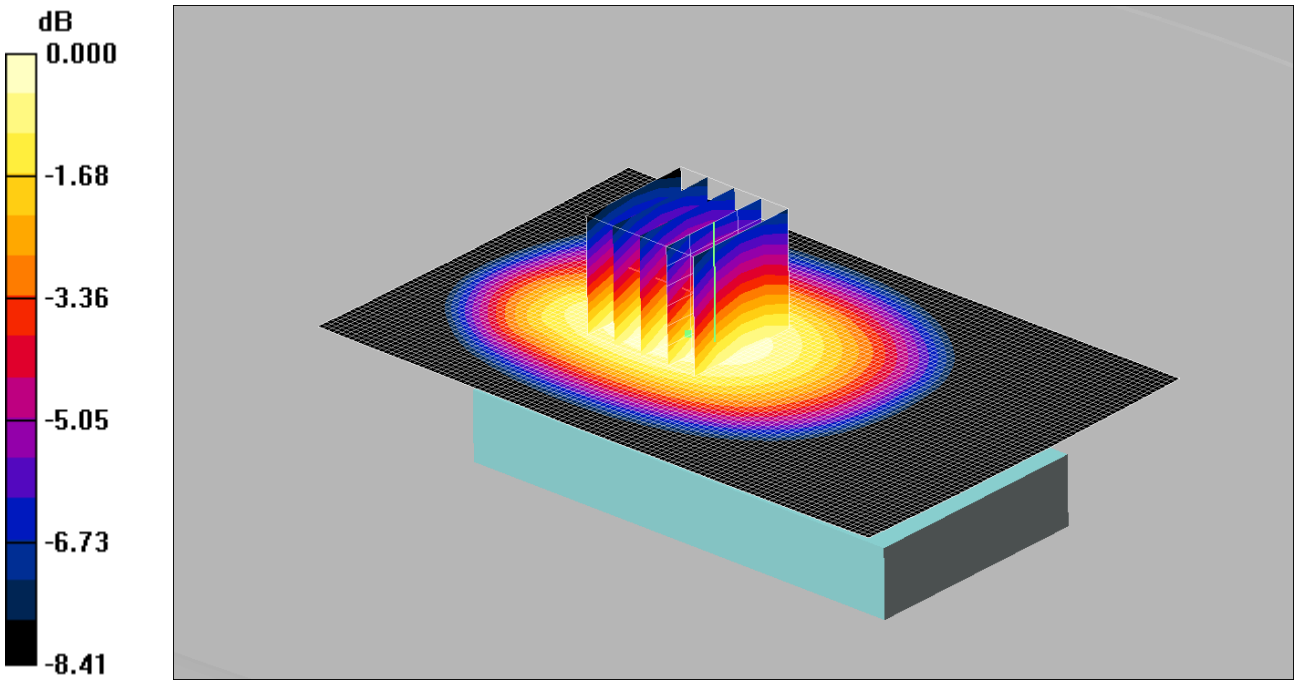


0 dB = 1.04mW/g

Communication System: WCDMA-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.975 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3335; ConvF(6.15, 6.15, 6.15);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front of EUT facing Phantom - Middle 2/Area Scan 2 (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.03 mW/g
Front of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.6 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.740 mW/g
Maximum value of SAR (measured) = 1.04 mW/g

031: Front of EUT Facing Phantom WCDMA FDD 5 CH4132
Date: 08/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

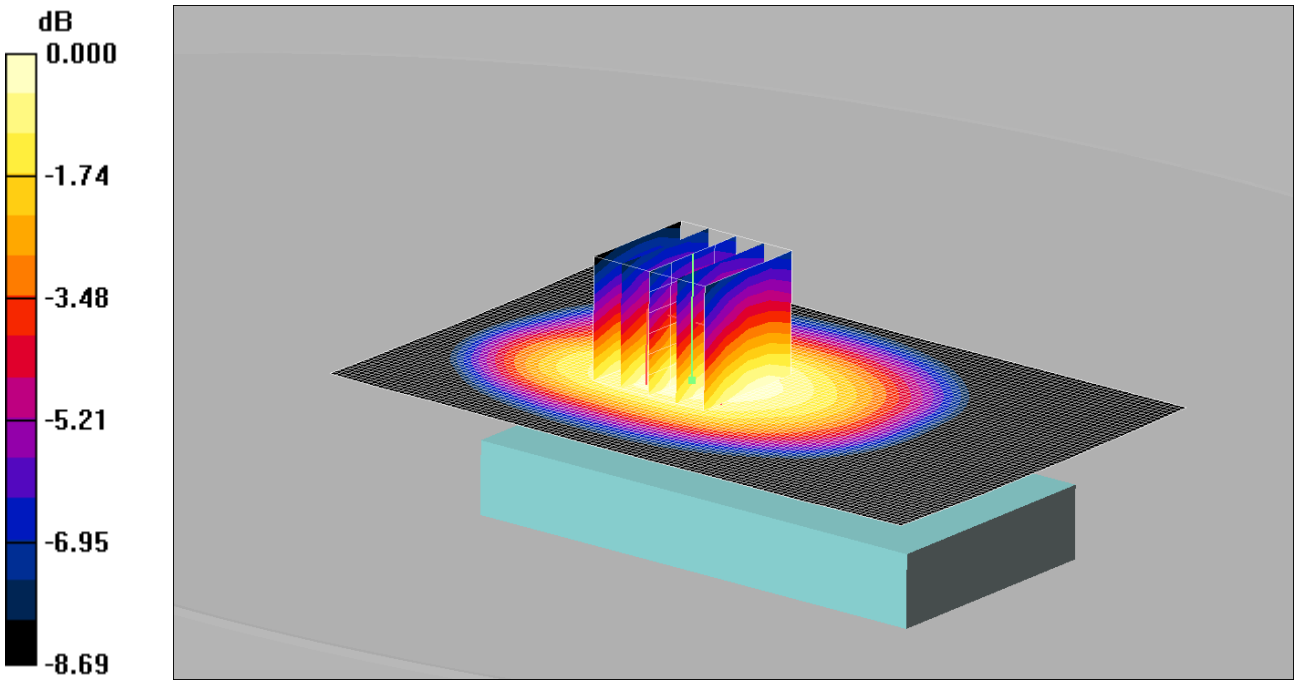


0 dB = 0.949mW/g

Communication System: WCDMA-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 = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front of EUT facing Phantom - Middle 2/Area Scan 2 (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.964 mW/g
Front of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.7 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.689 mW/g
Maximum value of SAR (measured) = 0.949 mW/g

032: Front of EUT Facing Phantom WCDMA FDD 5 CH4233
Date: 08/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

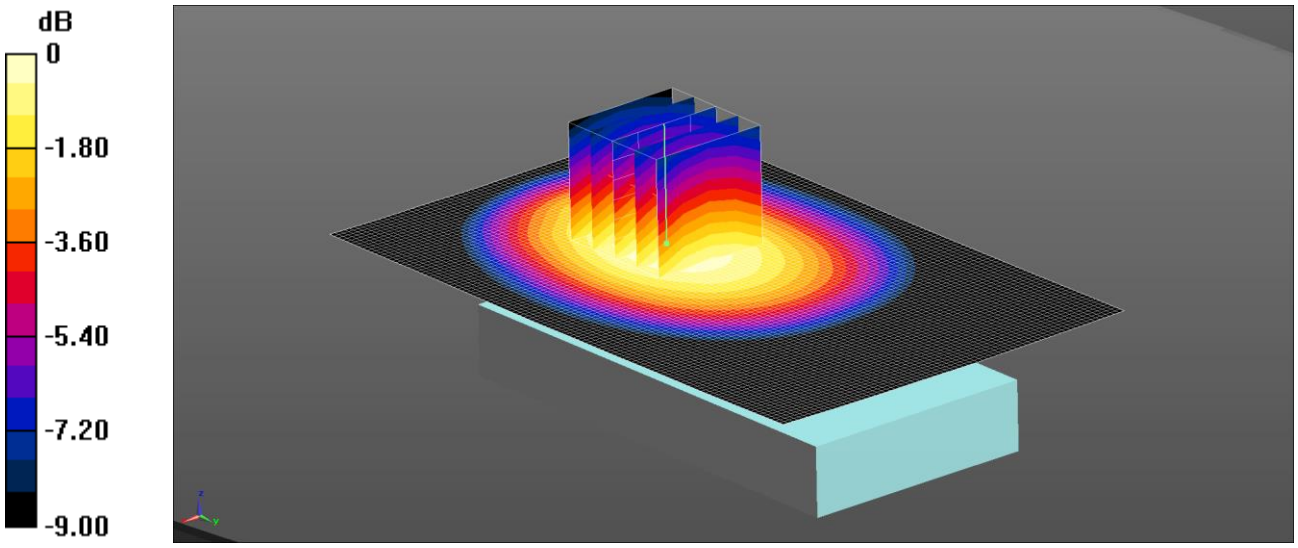


0 dB = 0.952mW/g

Communication System: WCDMA-FDD 5; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.979 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front of EUT facing Phantom - Middle 2/Area Scan 2 (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.972 mW/g
Front of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.9 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.692 mW/g
Maximum value of SAR (measured) = 0.952 mW/g

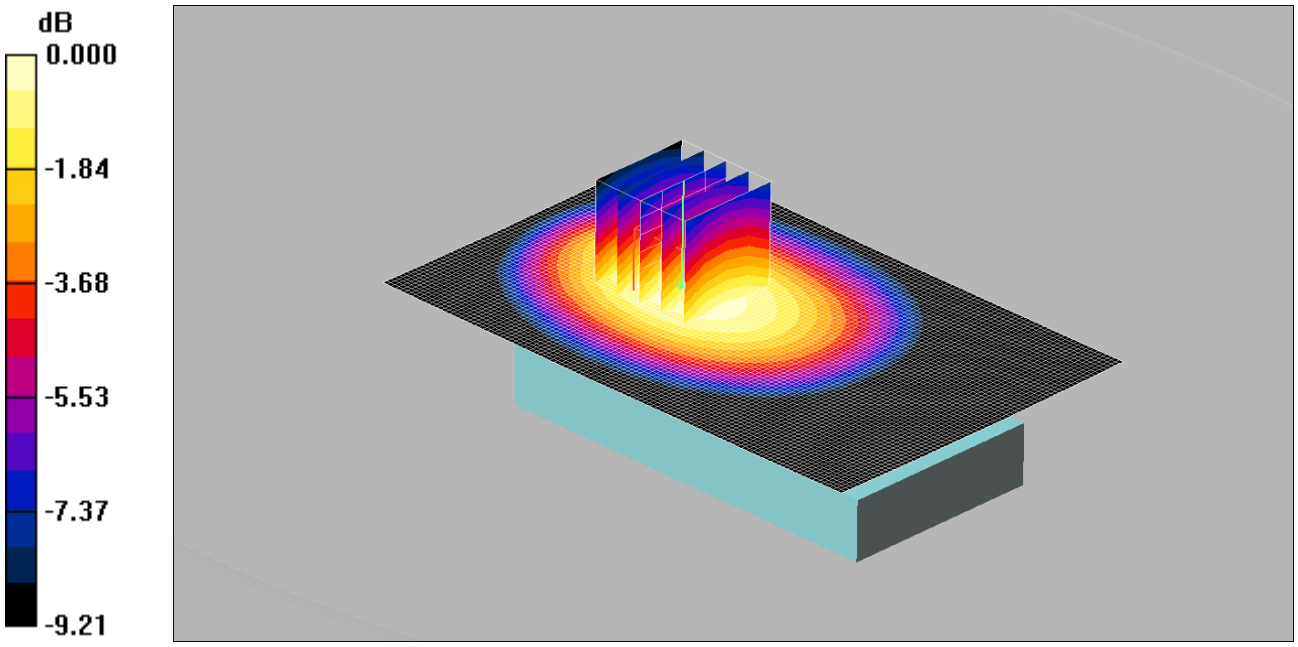
033: Back of EUT Facing Phantom WCDMA FDD 5 CH4183
Date: 30/06/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 1.19 W/kg = 0.76 dBW/kg

Communication System: UID 0 - n/a, WCDMA-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.975 S/m; εr = 53.561; ρ = 1000 kg/m3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.9 (7117)
Configuration/Back of EUT facing Phantom - Middle 2/Area Scan 2 (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg
Configuration/Back of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.254 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.874 W/kg
Maximum value of SAR (measured) = 1.23 W/kg

034: Back of EUT Facing Phantom WCDMA FDD 5 CH4132
Date: 30/06/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

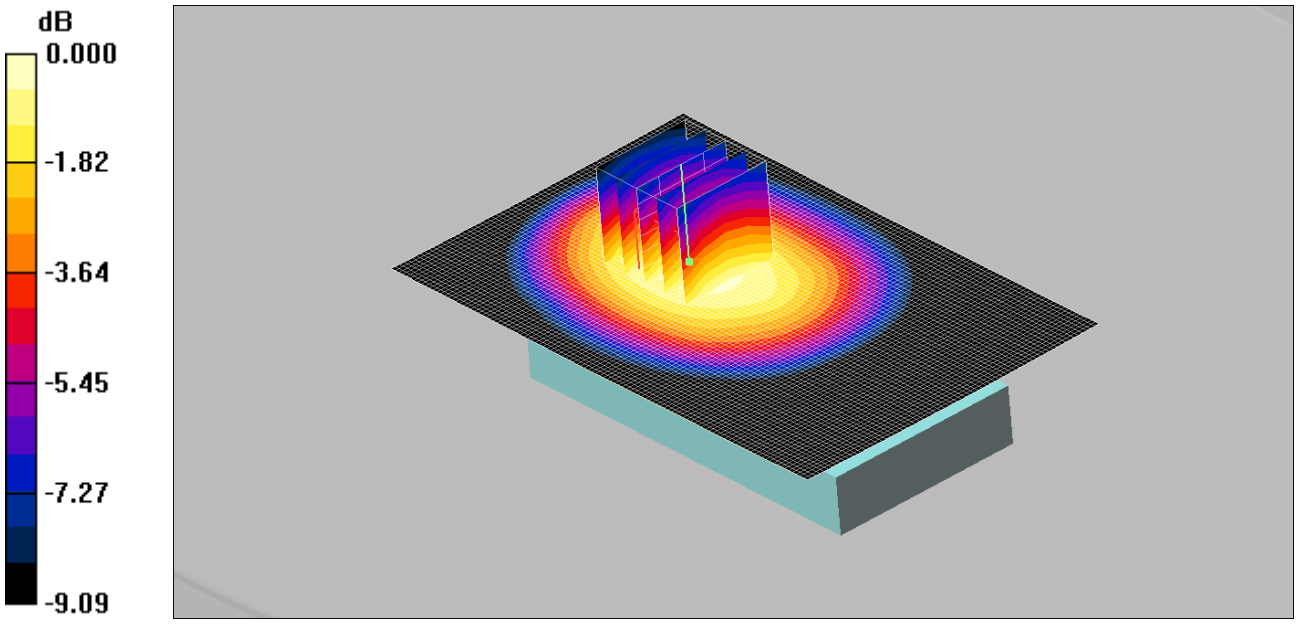


0 dB = 1.13mW/g

Communication System: WCDMA-FDD 5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.969 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3335; ConvF(6.15, 6.15, 6.15);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT facing Phantom - Middle 2/Area Scan 2 (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 mW/g
Back of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.3 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.797 mW/g
Maximum value of SAR (measured) = 1.13 mW/g

035: Back of EUT Facing Phantom WCDMA FDD 5 CH4233
Date: 30/06/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

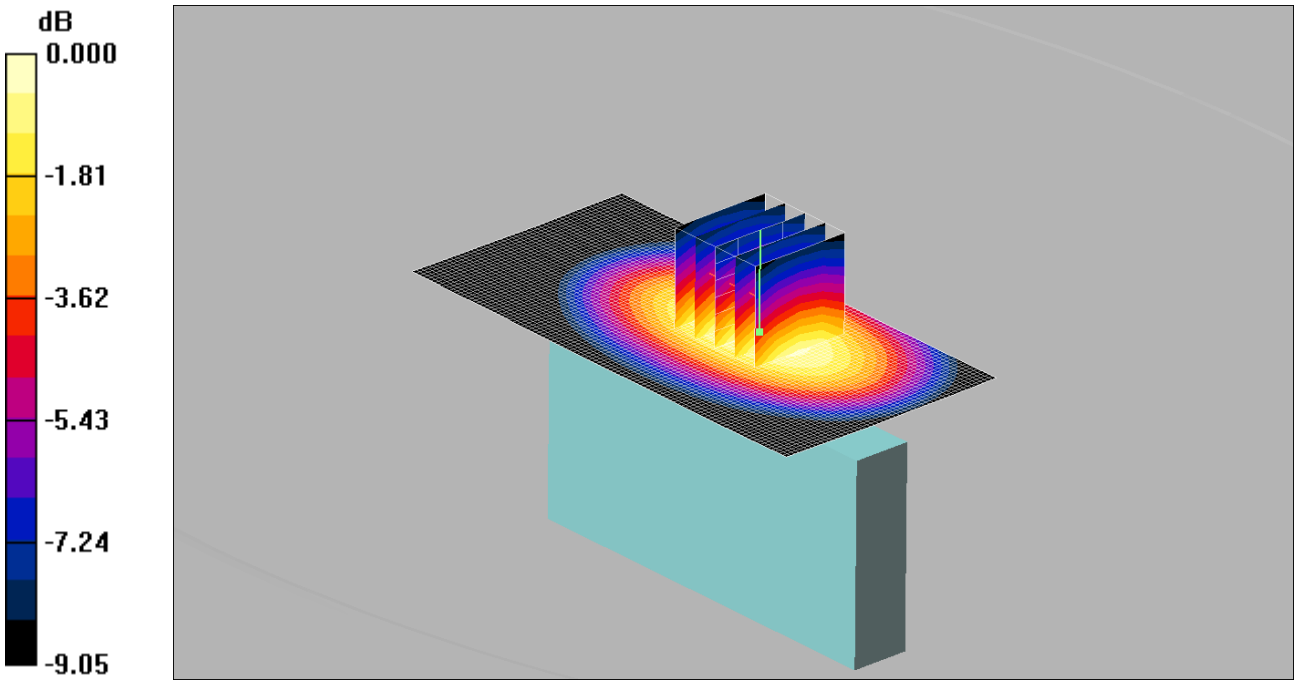


0 dB = 1.15mW/g

Communication System: WCDMA-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 = 53.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3335; ConvF(6.15, 6.15, 6.15);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT facing Phantom - Middle 2/Area Scan 2 (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.14 mW/g
Back of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.3 V/m; Power Drift = 0.091 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.805 mW/g
Maximum value of SAR (measured) = 1.15 mW/g

036: Left Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4183
Date: 30/06/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

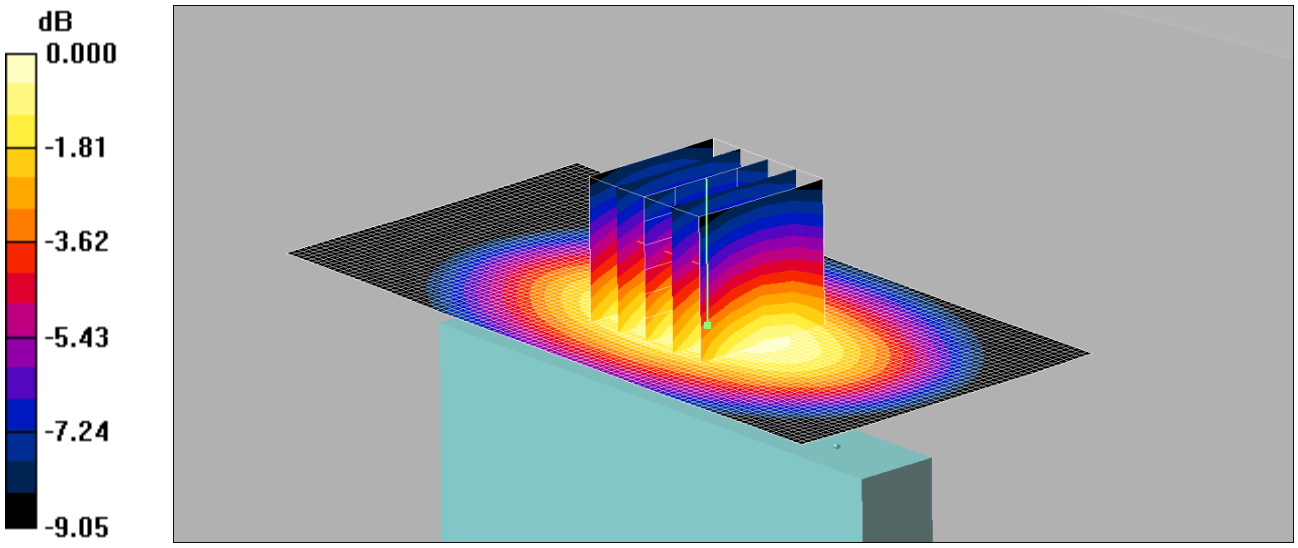


0 dB = 0.884mW/g

Communication System: WCDMA-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.975 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3335; ConvF(6.15, 6.15, 6.15);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Hand side of EUT facing Phantom - Middle 2/Area Scan 2 (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.882 mW/g
Left Hand side of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.3 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.825 mW/g; SAR(10 g) = 0.580 mW/g
Maximum value of SAR (measured) = 0.884 mW/g

037: Left Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4132
Date: 08/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

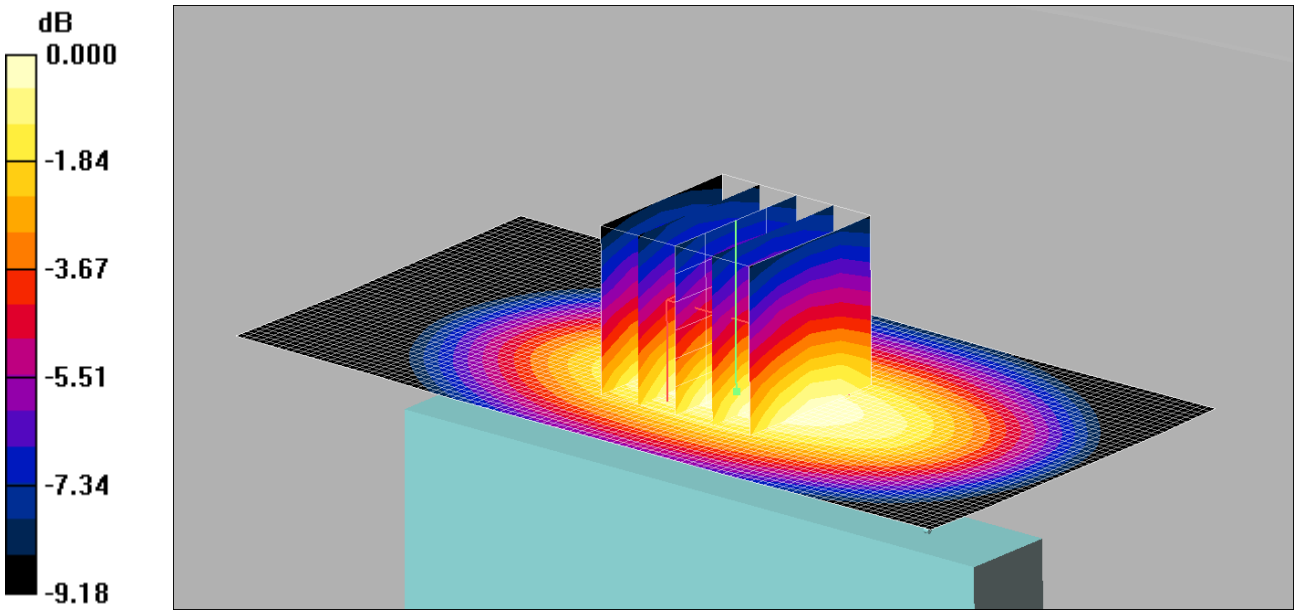


0 dB = 0.782mW/g

Communication System: WCDMA-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 = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Hand side of EUT facing Phantom - Middle 2/Area Scan 2 (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.792 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 = 29.9 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 0.915 W/kg
SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.515 mW/g
Maximum value of SAR (measured) = 0.782 mW/g
158 Left Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4132

038: Left Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4233
Date: 08/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

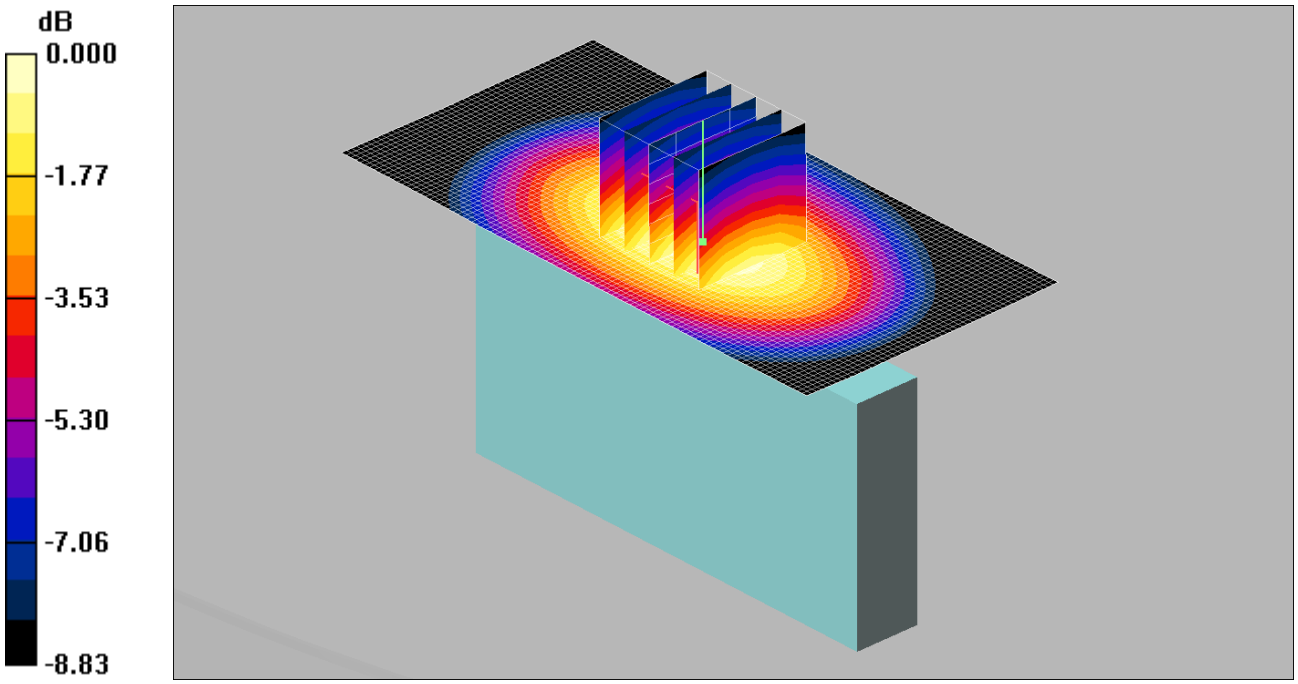


0 dB = 0.785mW/g

Communication System: WCDMA-FDD 5; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.979 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Hand side of EUT facing Phantom - Middle 2/Area Scan 2 (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.801 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 = 29.8 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 0.917 W/kg
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.529 mW/g
Maximum value of SAR (measured) = 0.785 mW/g

039: Right Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4183
Date: 11/07/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



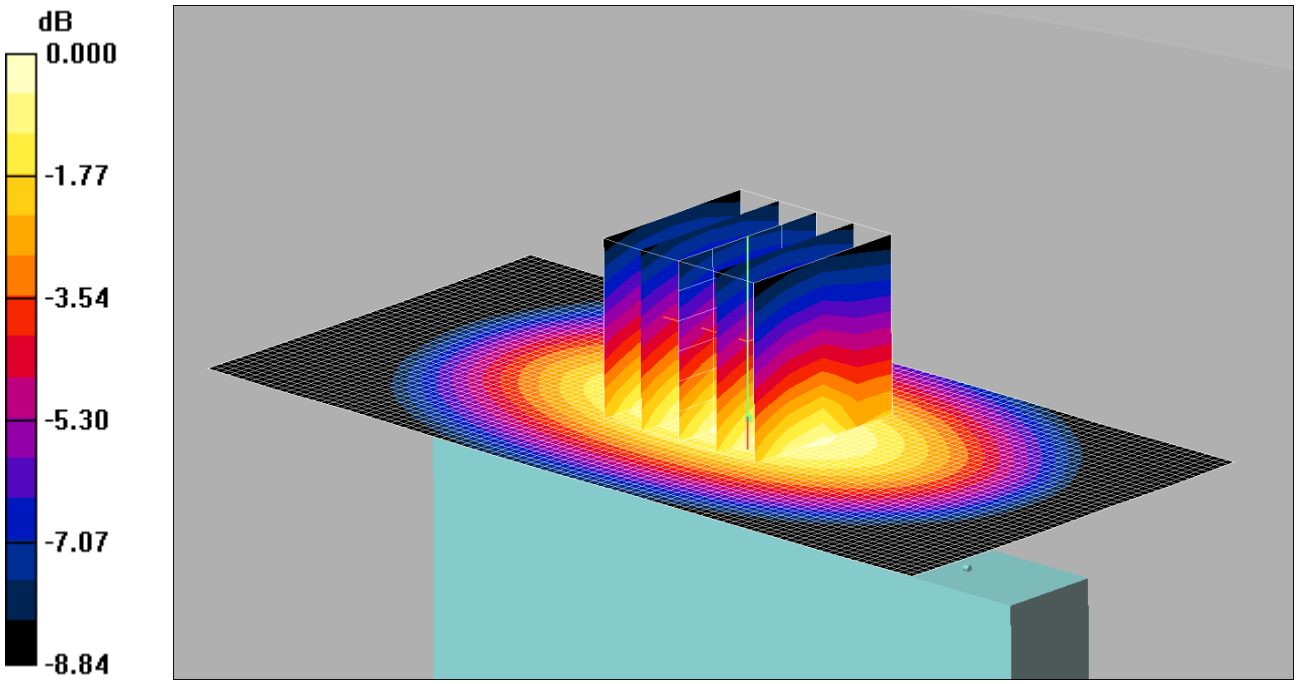
0 dB = 0.760mW/g

Communication System: WCDMA-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.978 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Hand side of EUT facing Phantom - Middle 2/Area Scan 2 (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.770 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 = 29.1 V/m; Power Drift = -0.028 dB
Peak SAR (extrapolated) = 0.901 W/kg
SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.507 mW/g
Maximum value of SAR (measured) = 0.760 mW/g

040: Right Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4132
Date: 08/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

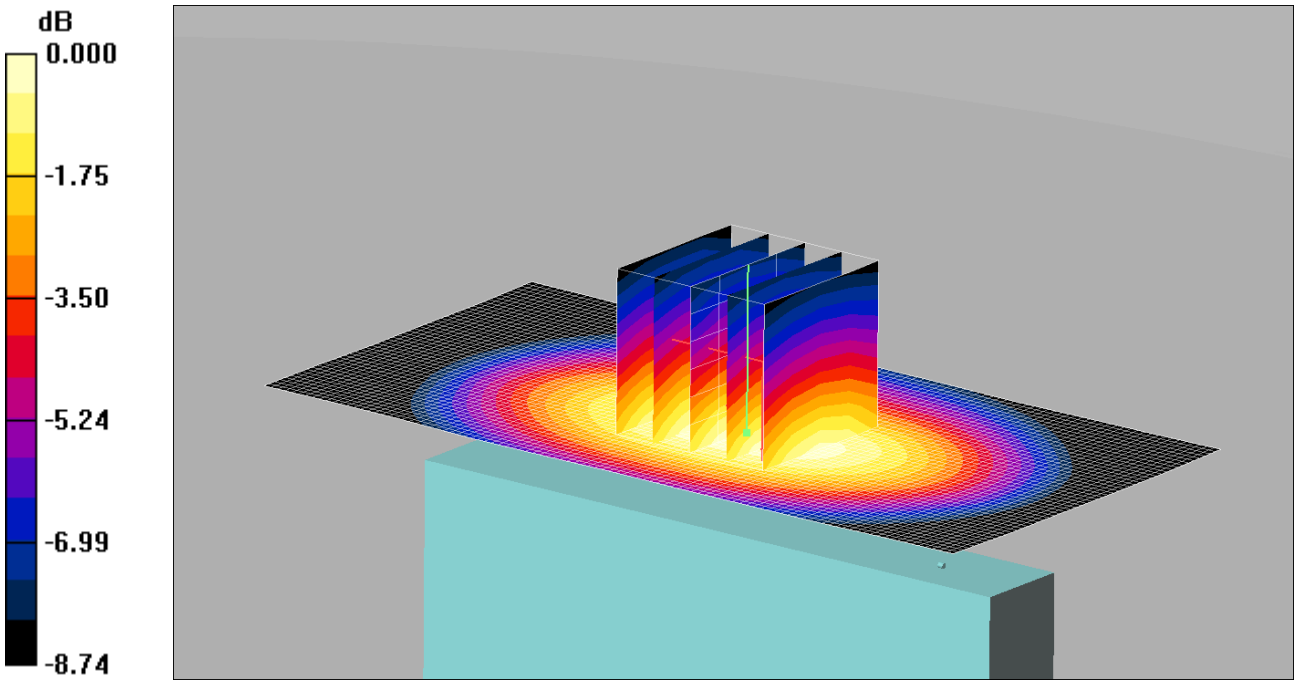


0 dB = 0.791mW/g

Communication System: WCDMA-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 = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Hand side of EUT facing Phantom - Middle 2/Area Scan 2 (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.783 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 = 29.7 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.933 W/kg
SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.523 mW/g
Maximum value of SAR (measured) = 0.791 mW/g

041: Right Hand Side of EUT Facing Phantom WCDMA FDD 5 CH4233
Date: 08/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

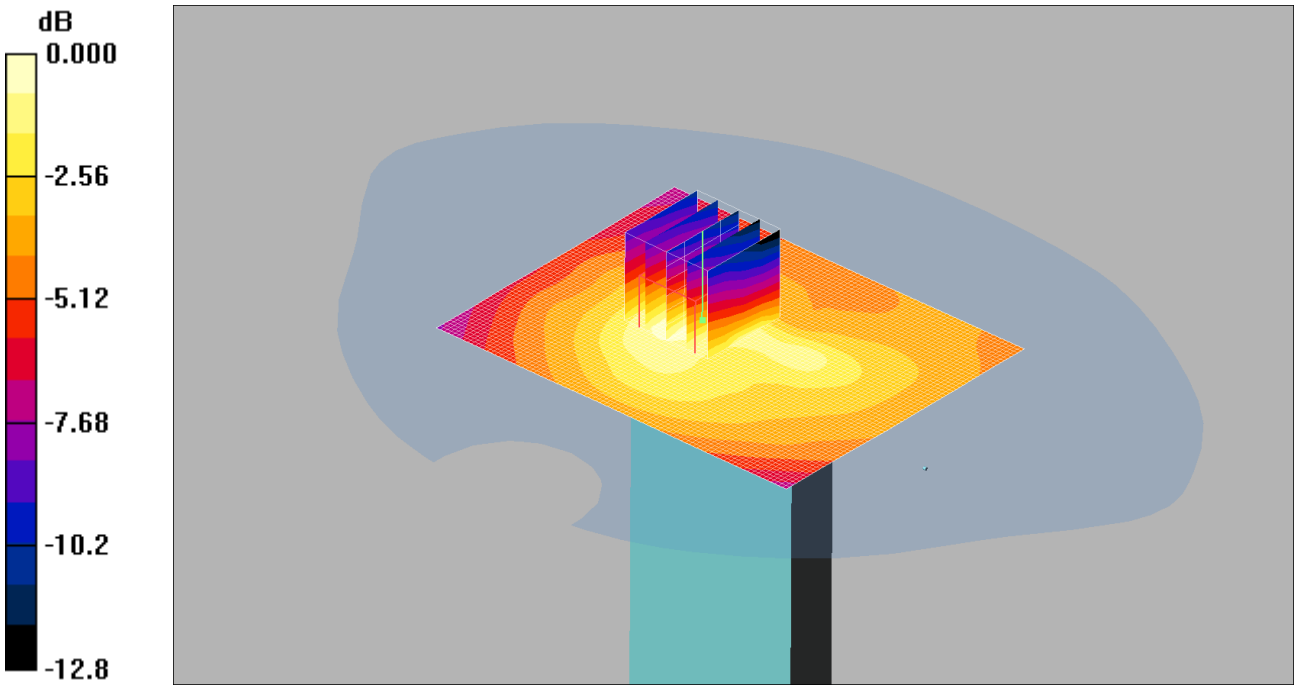


0 dB = 0.675mW/g

Communication System: WCDMA-FDD 5; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.979 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Hand side of EUT facing Phantom - Middle 2/Area Scan 2 (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.691 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 = 28.0 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.798 W/kg
SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.457 mW/g
Maximum value of SAR (measured) = 0.675 mW/g

042: Top of EUT Facing Phantom WCDMA FDD 5 CH4183
Date: 15/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 0.067mW/g

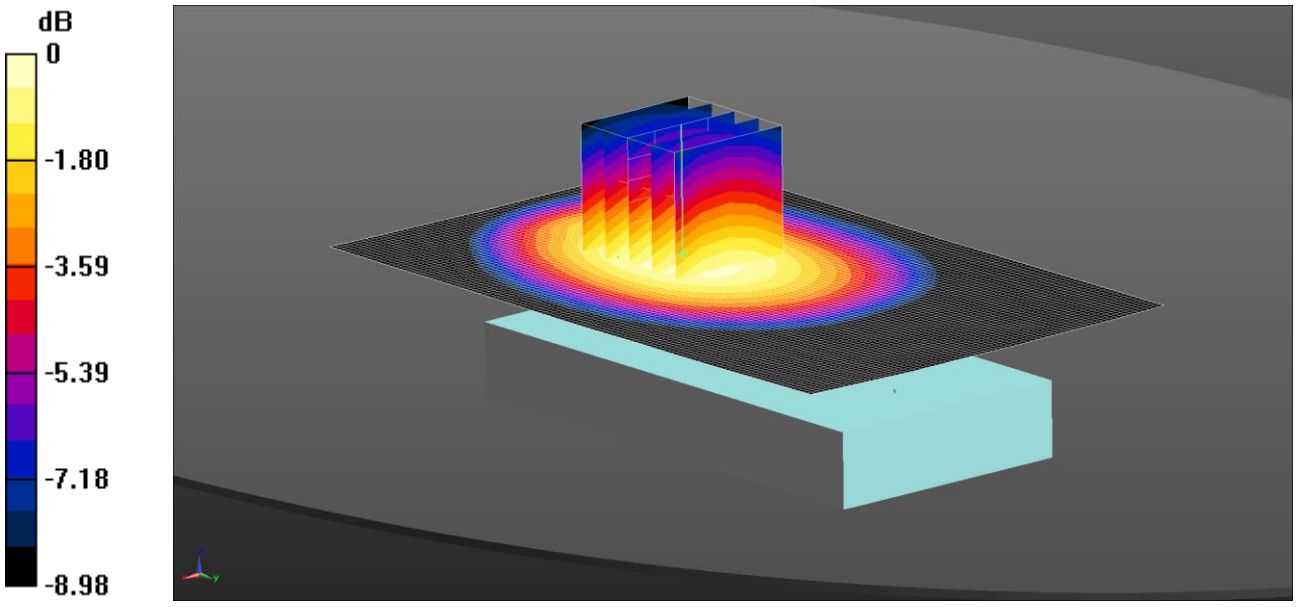
Communication System: WCDMA-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.984 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Top of EUT facing Phantom - Middle/Area Scan 2 2 (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.065 mW/g

Top of EUT facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.45 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.116 W/kg
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.067 mW/g

Note: SAR level measured is very low as equivalent to noise floor.

043: Back of EUT Facing Phantom WCDMA FDD 5 HSDPA CH4183
Date: 18/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

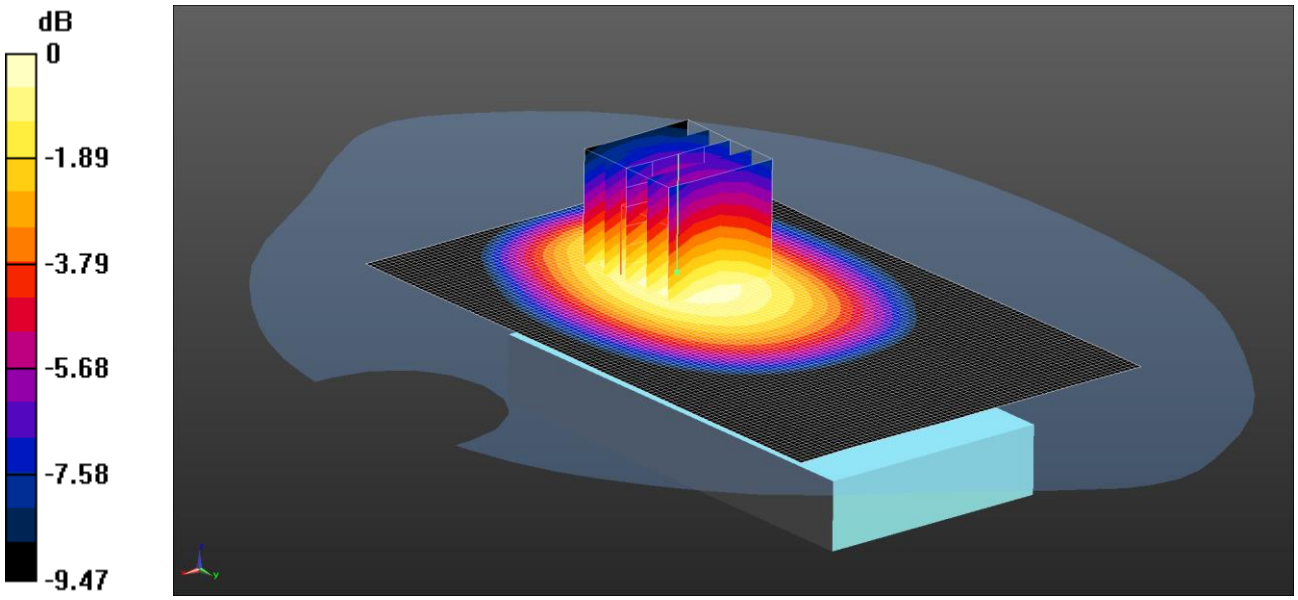


0 dB = 1.21 W/kg = 0.83 dBW/kg

Communication System: UID 0 - n/a, WCDMA-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.965 S/m; ε_r = 55.197; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.9 (7117)

Configuration/Back of EUT facing Phantom - Middle 2/Area Scan 2 (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.09 W/kg
Configuration/Back of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.261 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.860 W/kg
Maximum value of SAR (measured) = 1.21 W/kg

044: Back of EUT Facing Phantom WCDMA FDD 5 HSDPA CH4132
Date:18/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

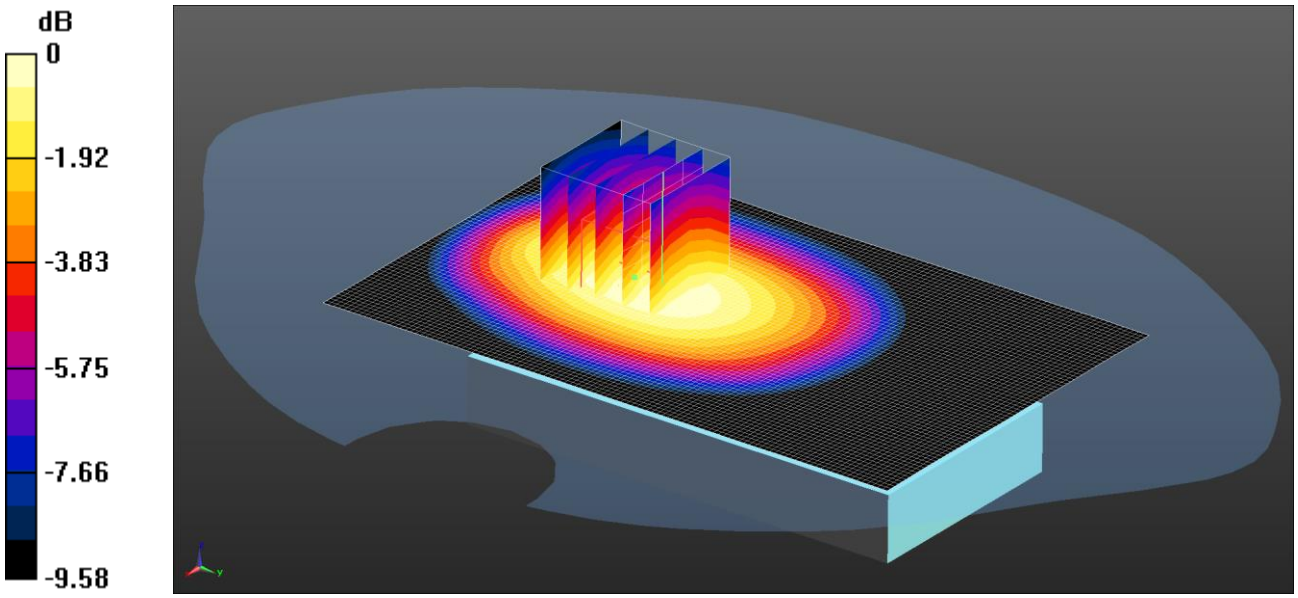


0 dB = 1.13 W/kg = 0.53 dBW/kg

Communication System: UID 0 - n/a, WCDMA-FDD 5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.959 S/m; ε_r = 55.237; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.9 (7117)

Configuration/Back of EUT facing Phantom - Low/Area Scan 2 (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg
Configuration/Back of EUT facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.374 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.804 W/kg
Maximum value of SAR (measured) = 1.13 W/kg

045: Back of EUT Facing Phantom WCDMA FDD 5 HSDPA CH4233
Date: 18/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

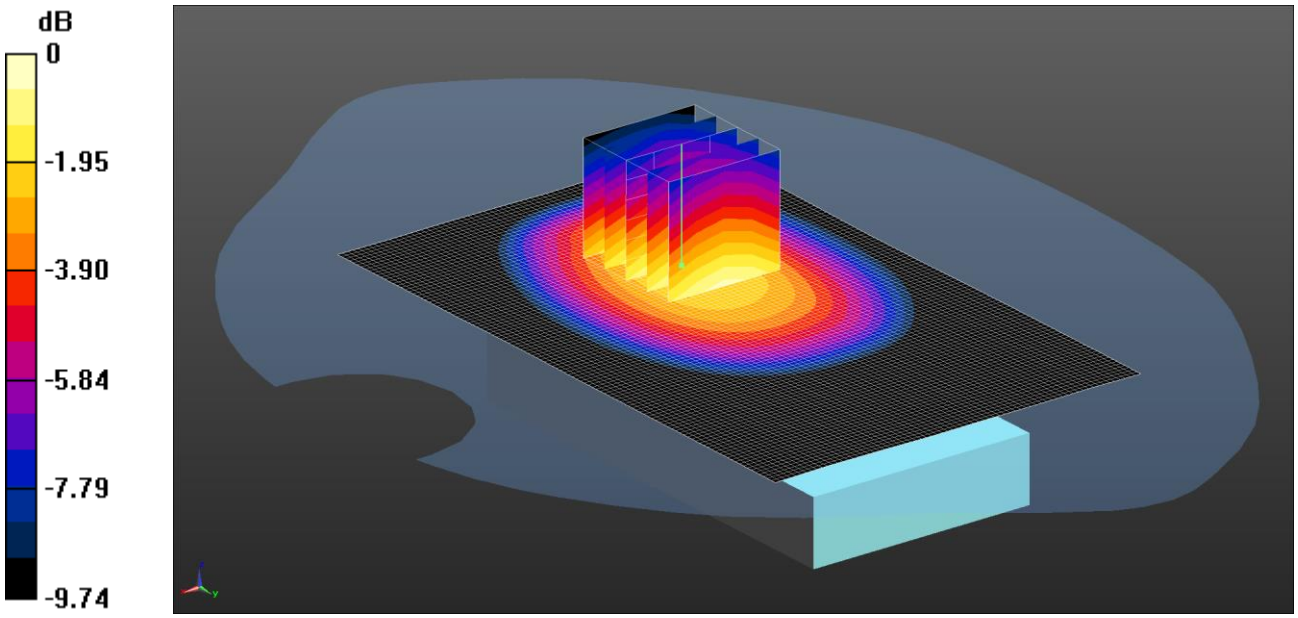


0 dB = 1.22 W/kg = 0.86 dBW/kg

Communication System: UID 0 - n/a, WCDMA-FDD 5; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.971 S/m; ε_r = 55.158; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.9 (7117)

Configuration/Back of EUT facing Phantom - High/Area Scan 2 (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg
Configuration/Back of EUT facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.889 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.862 W/kg
Maximum value of SAR (measured) = 1.22 W/kg

046: Back of EUT Facing Phantom WCDMA FDD 5 HSUPA CH4183
Date: 18/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

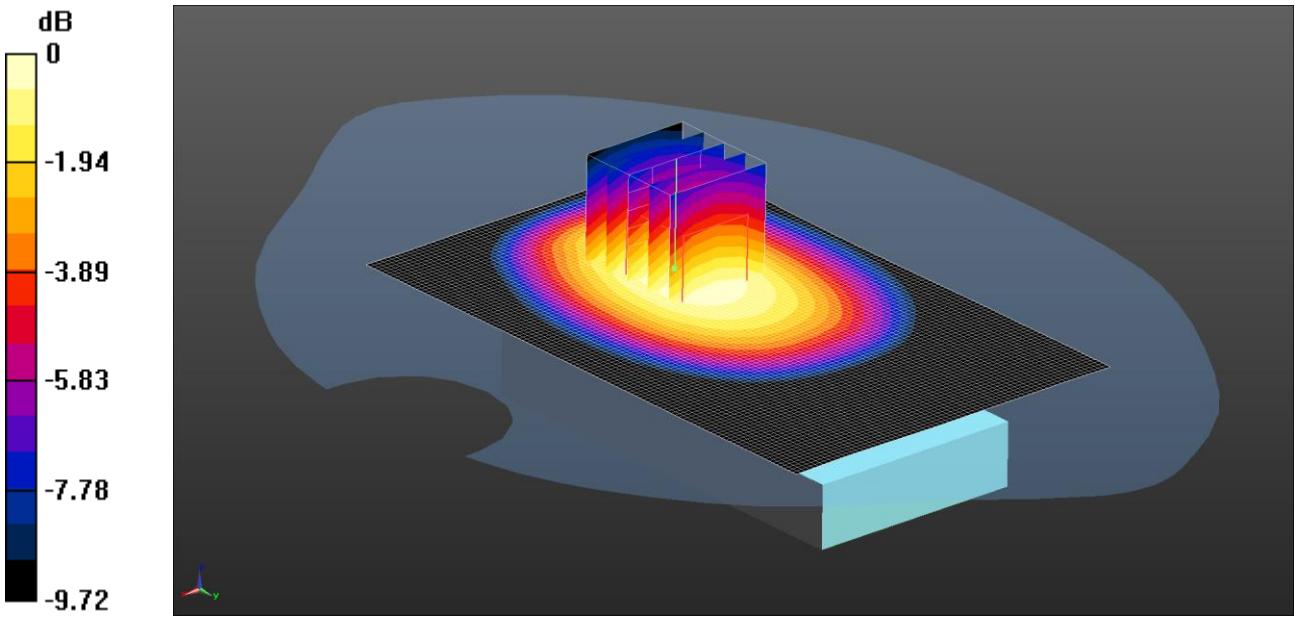


0 dB = 1.09 W/kg = 0.37 dBW/kg

Communication System: UID 0 - n/a, WCDMA-FDD 5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.965 S/m; ε_r = 55.197; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.9 (7117)

Configuration/Back of EUT facing Phantom - Middle 2/Area Scan 2 (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.733 W/kg
Configuration/Back of EUT facing Phantom - Middle 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.612 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.750 W/kg
Maximum value of SAR (measured) = 1.09 W/kg

047: Back of EUT Facing Phantom WCDMA FDD 5 HSUPA CH4132
Date: 18/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

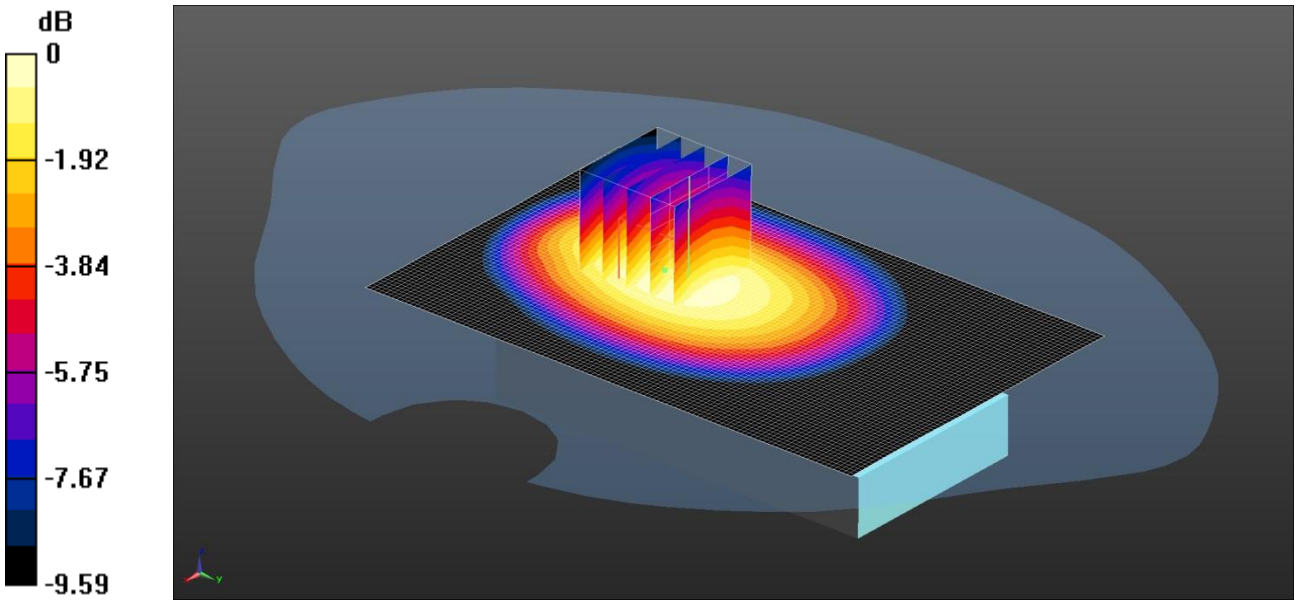


0 dB = 0.924 W/kg = -0.34 dBW/kg

Communication System: UID 0 - n/a, WCDMA-FDD 5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.959 S/m; ε_r = 55.237; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.9 (7117)

Configuration/Back of EUT facing Phantom - Low/Area Scan 2 (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.932 W/kg
Configuration/Back of EUT facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.625 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.657 W/kg
Maximum value of SAR (measured) = 0.924 W/kg

048: Back of EUT Facing Phantom WCDMA FDD 5 HSUPA CH4233
Date: 18/08/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS

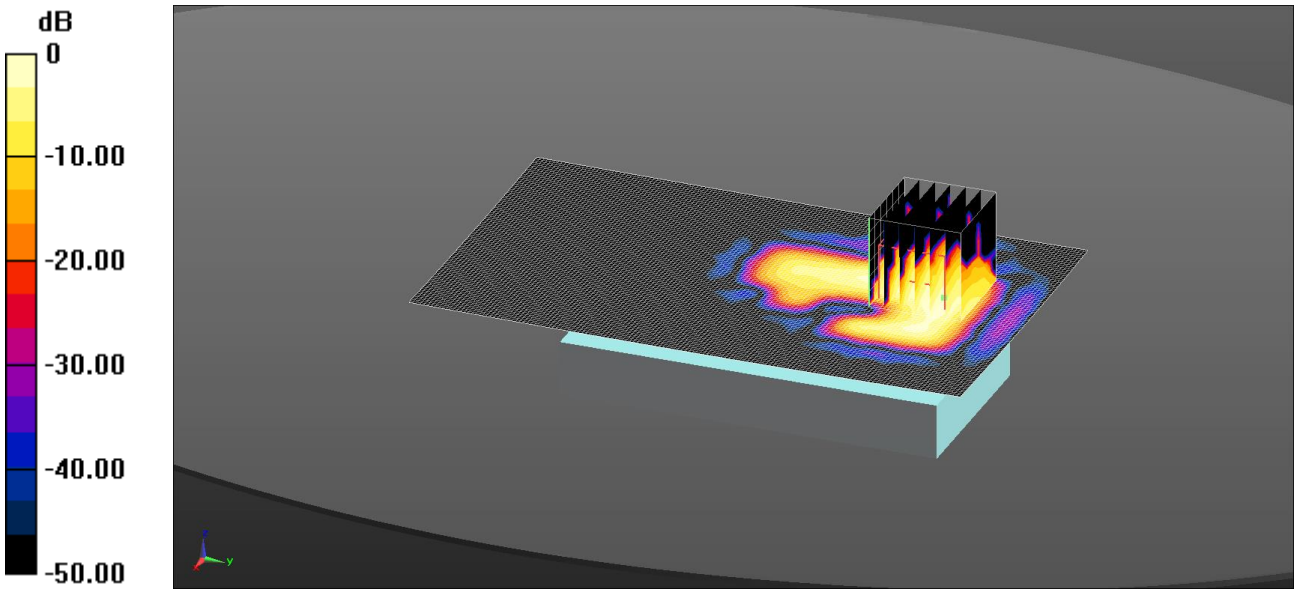


0 dB = 0.916 W/kg = -0.38 dBW/kg

Communication System: UID 0 - n/a, WCDMA-FDD 5; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.971 S/m; ε_r = 55.158; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(6, 6, 6); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/05/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.9 (7117)

Configuration/Back of EUT facing Phantom - High/Area Scan 2 (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.919 W/kg
Configuration/Back of EUT facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.132 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.653 W/kg
Maximum value of SAR (measured) = 0.916 W/kg

049: Front of EUT Facing Phantom WiFi 802.11g 6Mbps CH11
Date: 15/7/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



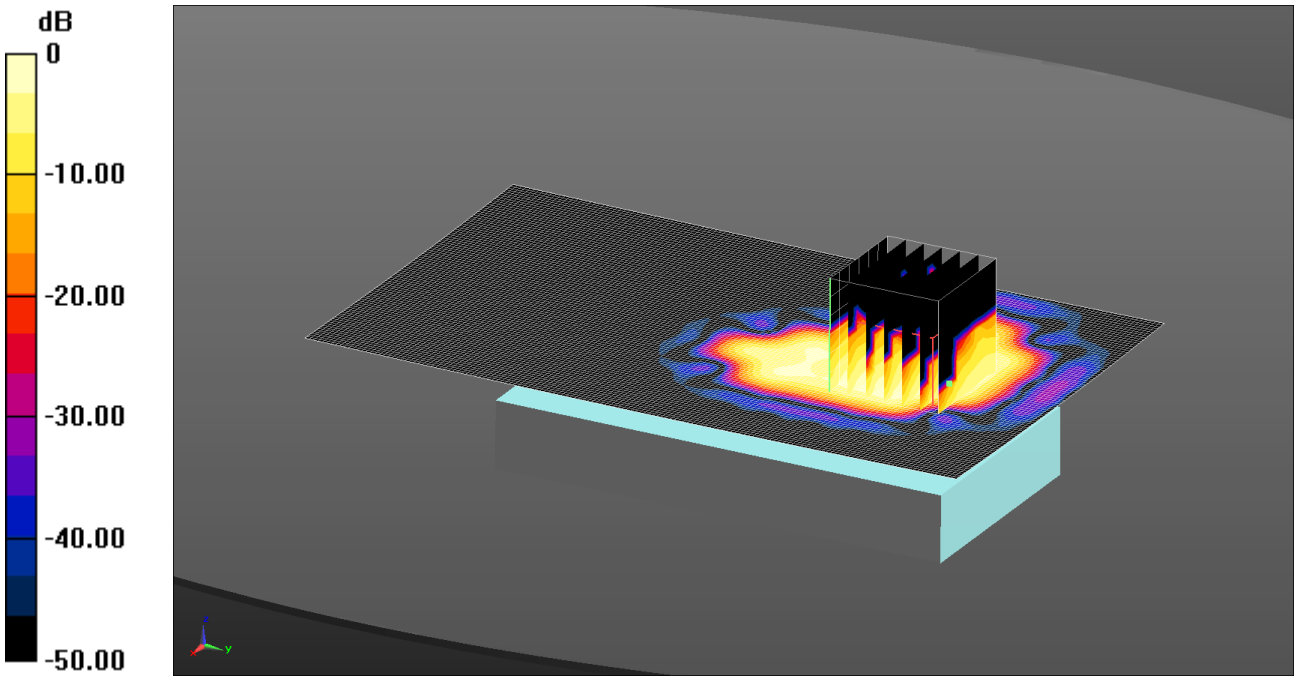
0 dB = 0.0590 W/kg = -12.29 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.04 S/m; ε_r = 52.407; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Front of EUT Facing Phantom - Middle/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0590 W/kg
Configuration/Front of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) 2 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.289 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.0590 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0384 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

050: Back of EUT Facing Phantom WiFi 802.11g 6Mbps CH11
Date: 15/7/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



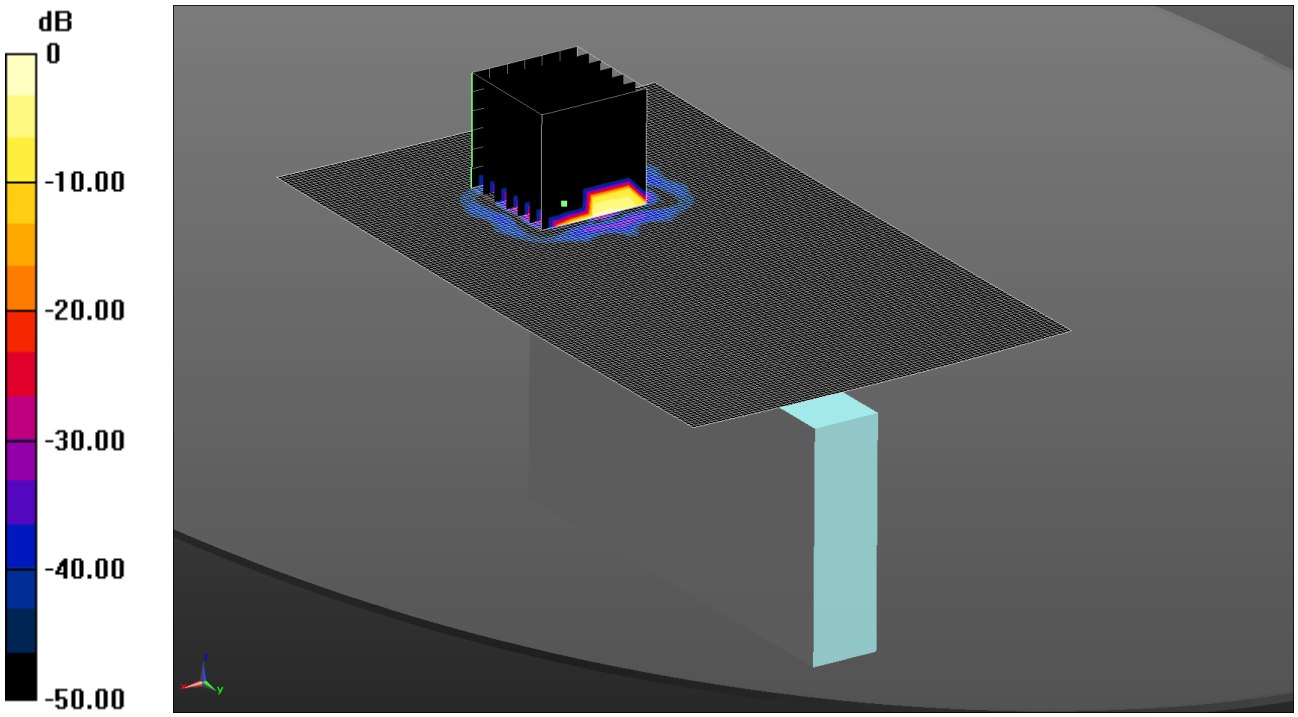
0 dB = 0.0303 W/kg = -15.18 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.04 S/m; ε_r = 52.407; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back of EUT Facing Phantom - Middle/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0303 W/kg
Configuration/Back of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) 2 2 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.632 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.0300 W/kg
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00653 W/kg
Maximum value of SAR (measured) = 0.0191 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

051: Left Hand Side of EUT Facing Phantom WiFi 802.11g 6Mbps CH11
Date: 16/7/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 0.00721 W/kg = -21.42 dBW/kg

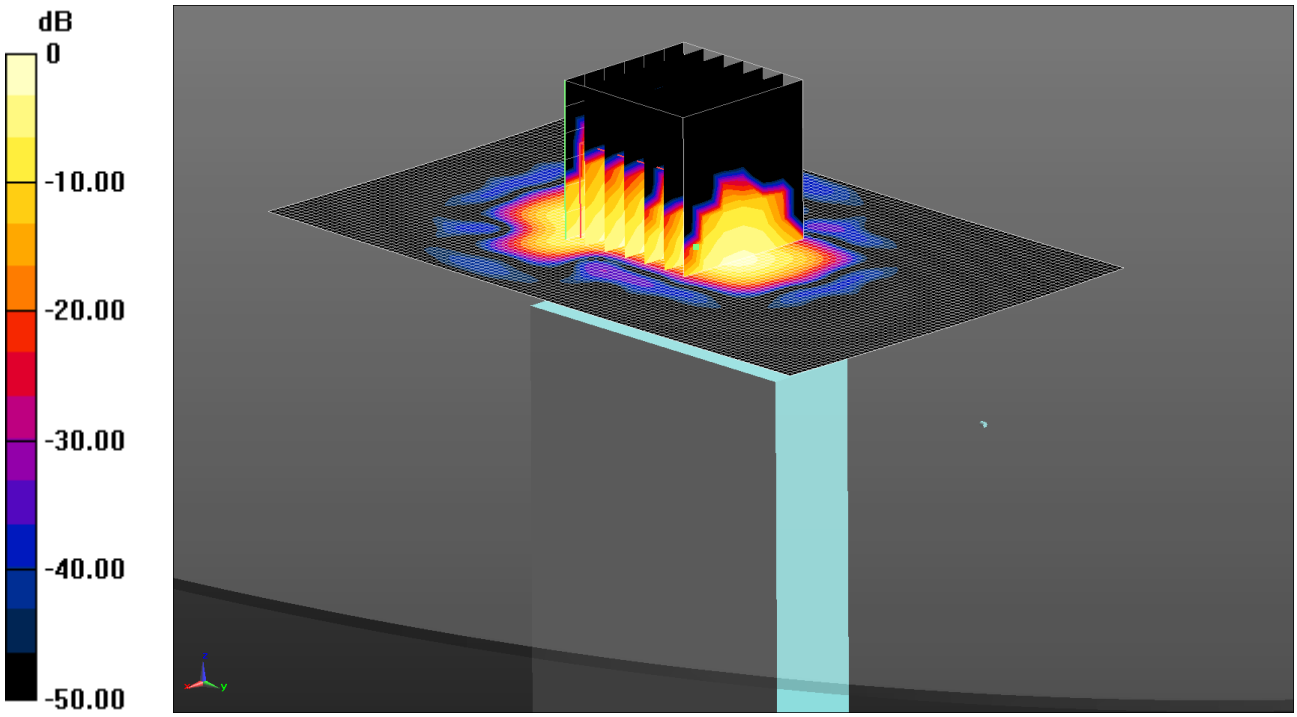
Communication System: UID 0, WLAN 802.11 (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.04 S/m; ε_r = 52.407; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Left Hand Side of EUT Facing Phantom - Middle/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00721 W/kg

Configuration/Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) 2 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0450 W/kg
SAR(1 g) = 0.00732 W/kg; SAR(10 g) = 0.00116 W/kg
Maximum value of SAR (measured) = 0.00855 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

052: Bottom of EUT Facing Phantom WiFi 802.11g 6Mbps CH11
Date: 16/7/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 0.0762 W/kg = -11.18 dBW/kg

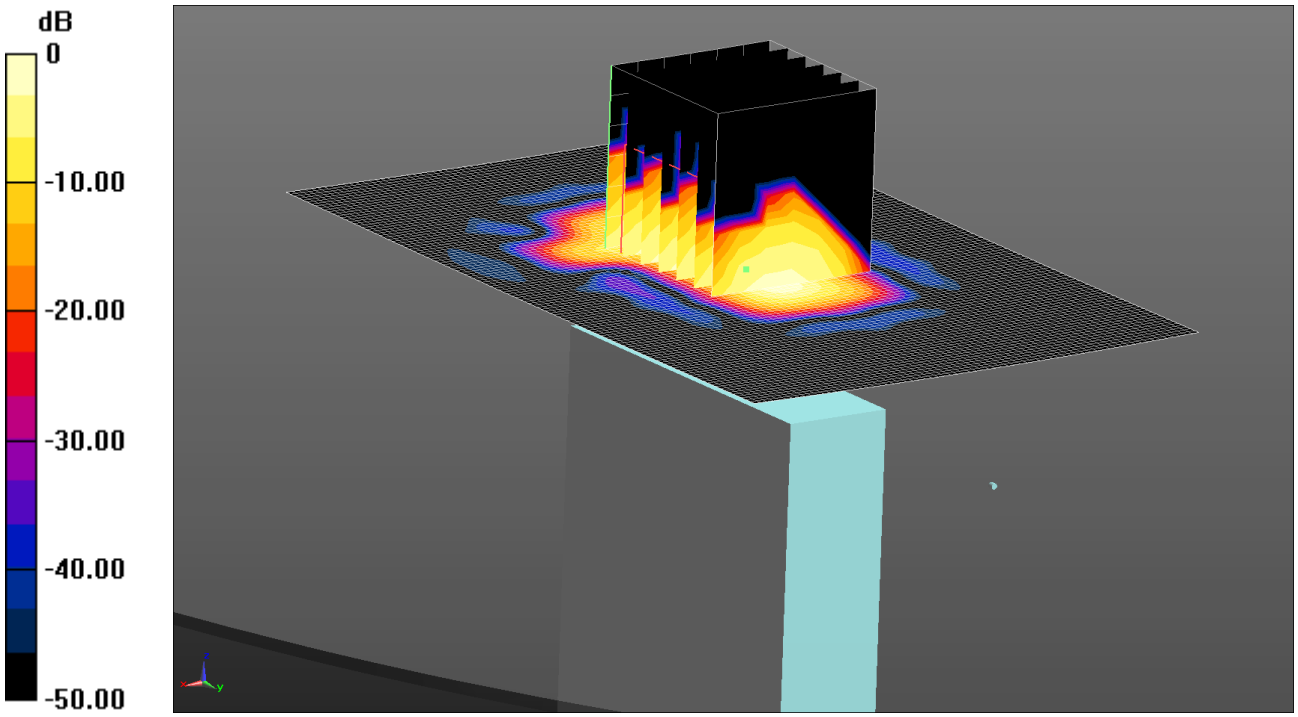
Communication System: UID 0, WLAN 802.11 (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.04 S/m; ε_r = 52.407; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - Middle 2/Area Scan (71x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0762 W/kg

Configuration/Bottom of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x7) 2 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.550 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.0720 W/kg
SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.017 W/kg
Maximum value of SAR (measured) = 0.0448 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

053: Bottom of EUT Facing Phantom WiFi 802.11g 6Mbps CH1
Date: 16/7/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 0.0981 W/kg = -10.08 dBW/kg

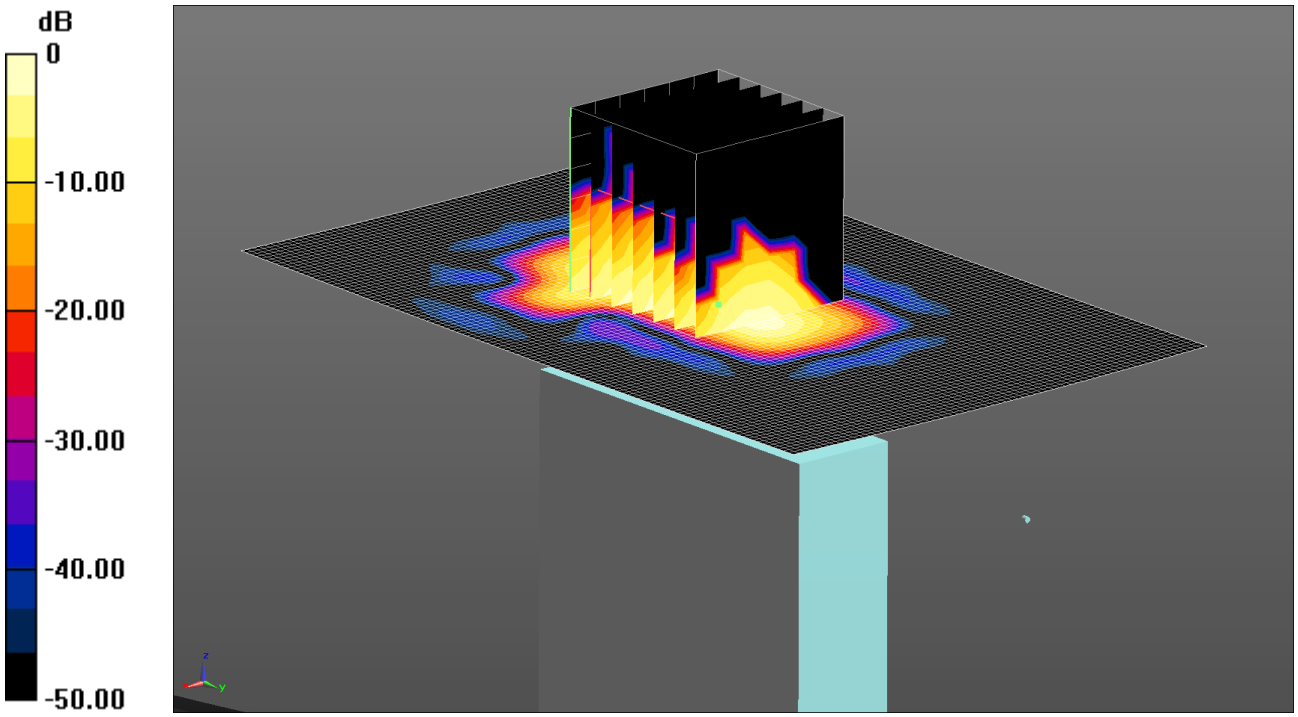
Communication System: UID 0, WLAN 802.11 (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450MHz MSL Medium parameters used (interpolated): f = 2412 MHz; σ = 1.971 S/m; ε_r = 52.454; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - Middle 2/Area Scan (71x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0981 W/kg

Configuration/Bottom of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x7) 2 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.471 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.0670 W/kg
SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.016 W/kg
Maximum value of SAR (measured) = 0.0398 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

054: Bottom of EUT Facing Phantom WiFi 802.11g 6Mbps CH6
Date: 16/7/2014
DUT: GOODSPEED U100; Type: FCC ID: 2ACN9U100GS



0 dB = 0.0674 W/kg = -11.71 dBW/kg

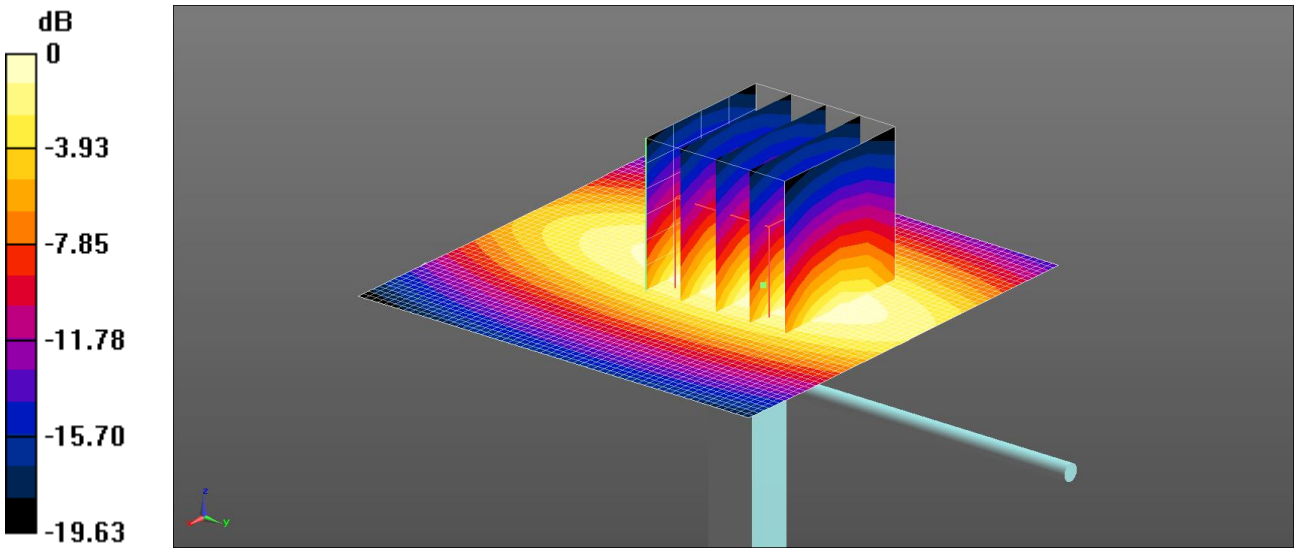
Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.009 S/m; ε_r = 52.439; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - Middle 2/Area Scan (71x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0674 W/kg

Configuration/Bottom of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x7) 2 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.968 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.0680 W/kg
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.012 W/kg
Maximum value of SAR (measured) = 0.0338 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

055: System Performance Check 900MHz Body 30 06 14
Date: 30/6/2014
DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035

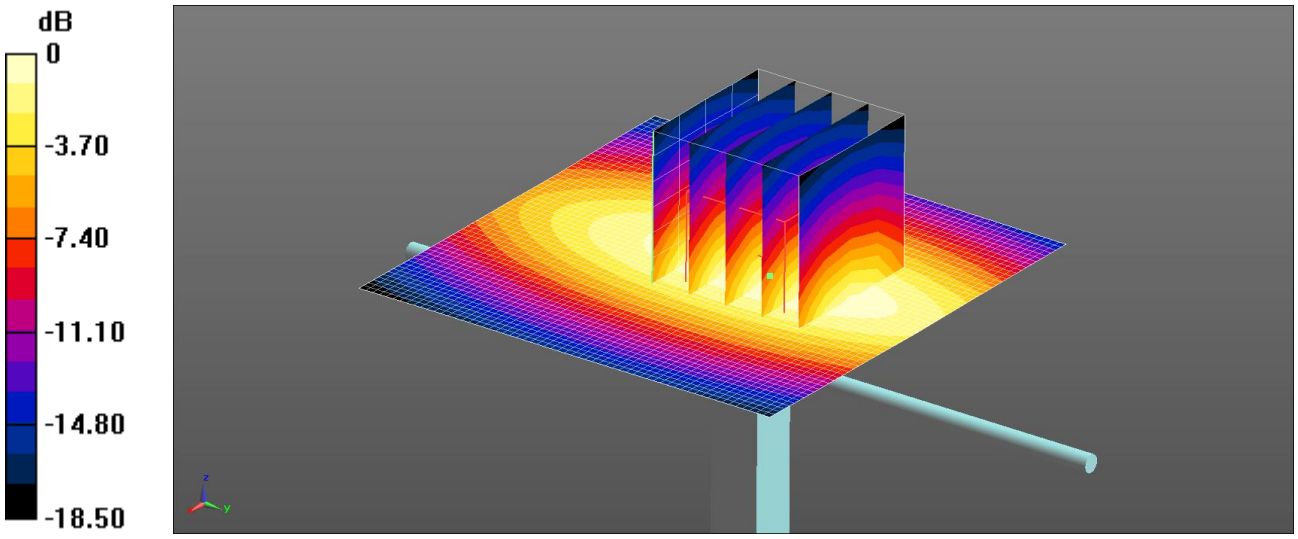


0 dB = 2.87 W/kg = 4.58 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.013 S/m; ε_r = 53.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3335; ConvF(6.04, 6.04, 6.04); Calibrated: 8/1/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/d=15mm, Pin=250mW 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.87 W/kg
Configuration/d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.66 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.86 W/kg
SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.72 W/kg
Maximum value of SAR (measured) = 2.83 W/kg

056: System Performance Check 900MHz Body 10 07 14
Date: 10/7/2014
DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035

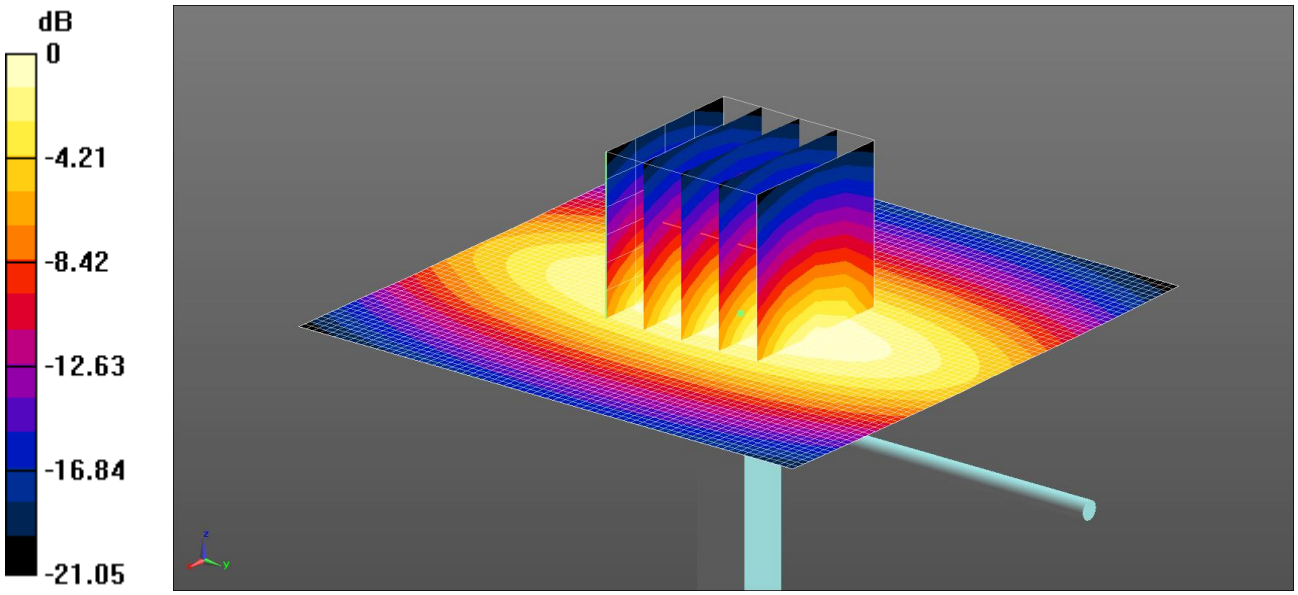


0 dB = 2.82 W/kg = 4.50 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.015 S/m; ε_r = 52.597; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.09, 6.09, 6.09); Calibrated: 22/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/d=15mm, Pin=250mW 2 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.82 W/kg
Configuration/d=15mm, Pin=250mW 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.93 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.72 W/kg
Maximum value of SAR (measured) = 2.79 W/kg

057: System Performance Check 900MHz Body 06 08 14
Date: 6/8/2014
DUT: Dipole 900 MHz; SN: 185; Type: D900V2; Serial: SN185

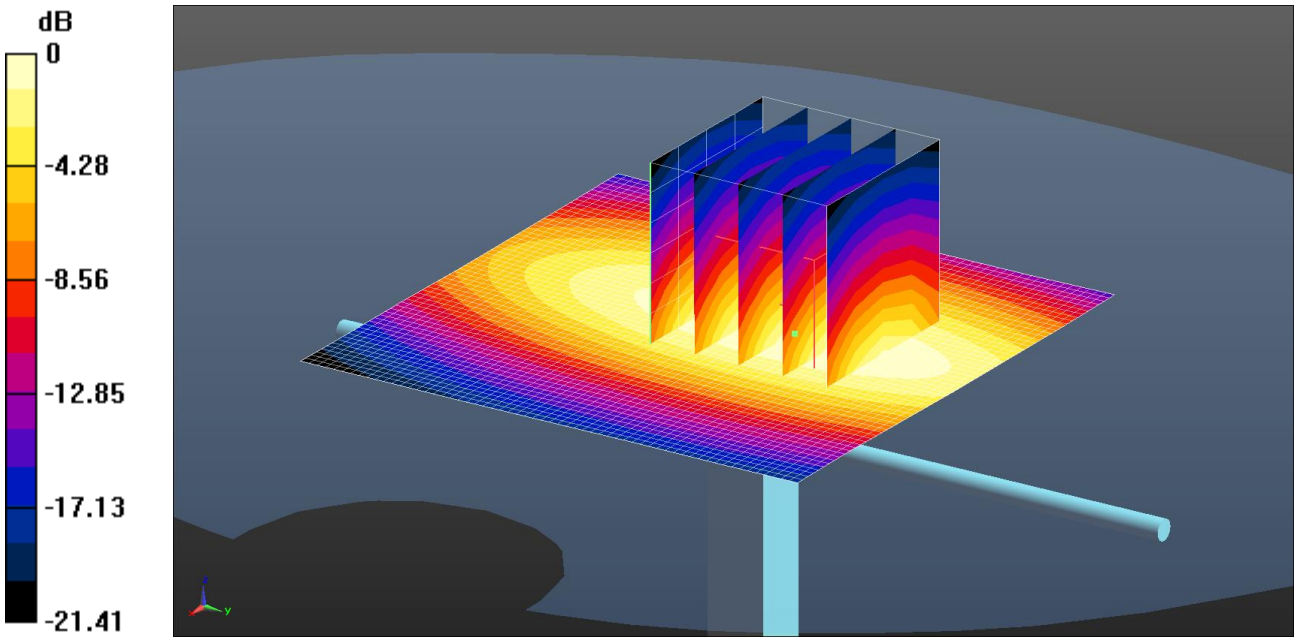


0 dB = 2.76 W/kg = 4.41 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.01 S/m; ε_r = 53.77; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.09, 6.09, 6.09); Calibrated: 22/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/d=15mm, Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.76 W/kg
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.77 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.40 W/kg
SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.68 W/kg
Maximum value of SAR (measured) = 2.76 W/kg

058: System Performance Check 900MHz Body 11 08 14
Date: 11/8/2014
DUT: Dipole 900 MHz; SN: 185; Type: D900V2; Serial: SN185

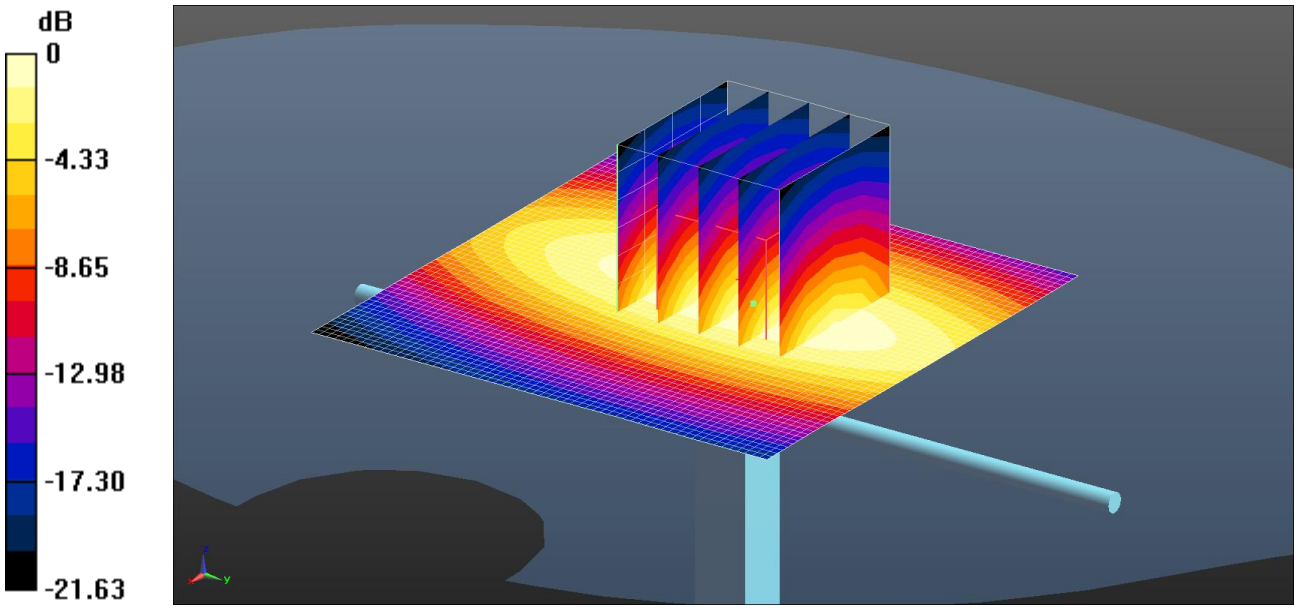


0 dB = 2.84 W/kg = 4.54 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.033 S/m; ε_r = 55.896; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(5.85, 5.85, 5.85); Calibrated: 22/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/5/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/d=15mm, Pin=250mW 2 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.84 W/kg
Configuration/d=15mm, Pin=250mW 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.80 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.54 W/kg
SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.74 W/kg
Maximum value of SAR (measured) = 2.84 W/kg

059: System Performance Check 900MHz Body 14 08 14
Date: 14/8/2014
DUT: Dipole 900 MHz; SN: 185; Type: D900V2; Serial: SN185

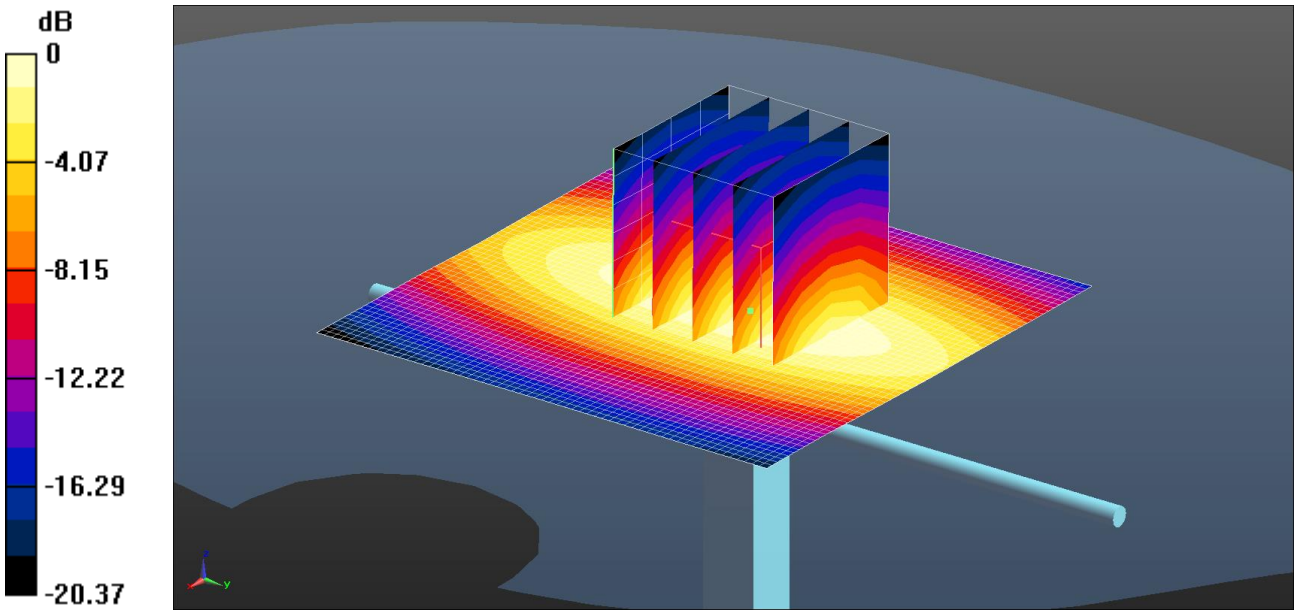


0 dB = 2.80 W/kg = 4.47 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.027 S/m; ε_r = 55.57; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(5.85, 5.85, 5.85); Calibrated: 22/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/5/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/d=15mm, Pin=250mW 2 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.80 W/kg
Configuration/d=15mm, Pin=250mW 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.24 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.71 W/kg
Maximum value of SAR (measured) = 2.79 W/kg

060: System Performance Check 900MHz Body 18 08 14
Date: 18/8/2014
DUT: Dipole 900 MHz; SN: 185; Type: D900V2; Serial: SN185

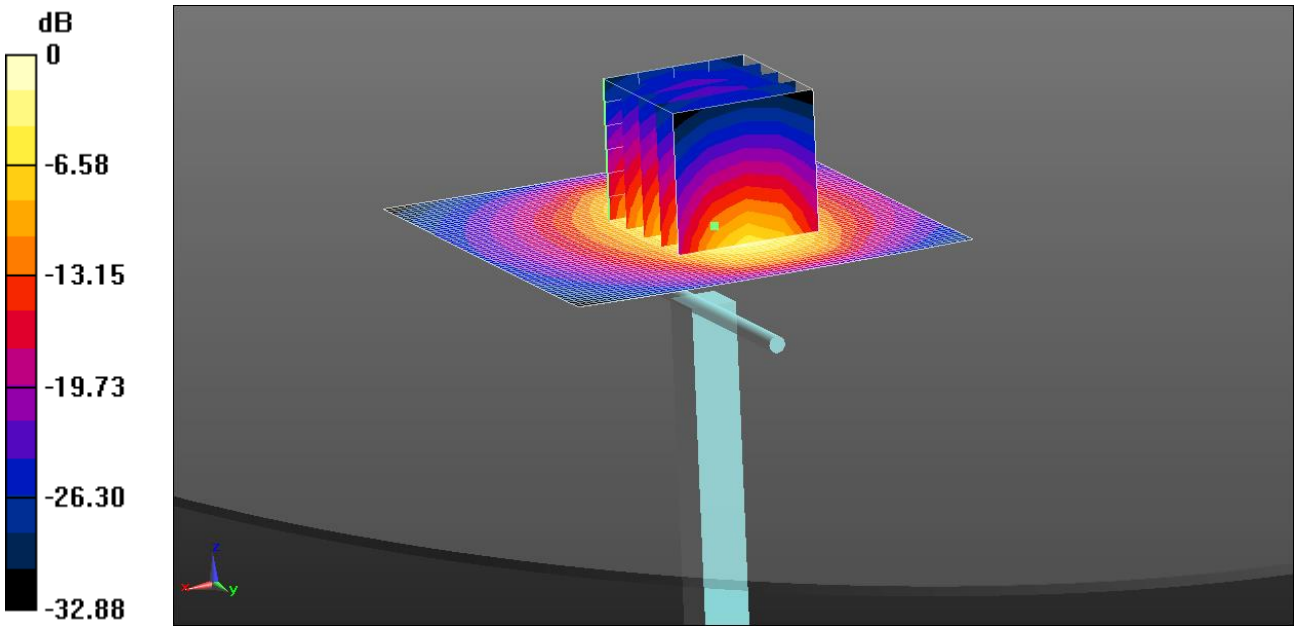


0 dB = 2.76 W/kg = 4.40 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.004 S/m; ε_r = 54.905; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(5.85, 5.85, 5.85); Calibrated: 22/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/5/2014
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/d=15mm, Pin=250mW 2 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.76 W/kg
Configuration/d=15mm, Pin=250mW 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.39 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.68 W/kg
Maximum value of SAR (measured) = 2.76 W/kg

061: System Performance Check 1900MHz Body 26 06 14
Date: 26/6/14
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN537



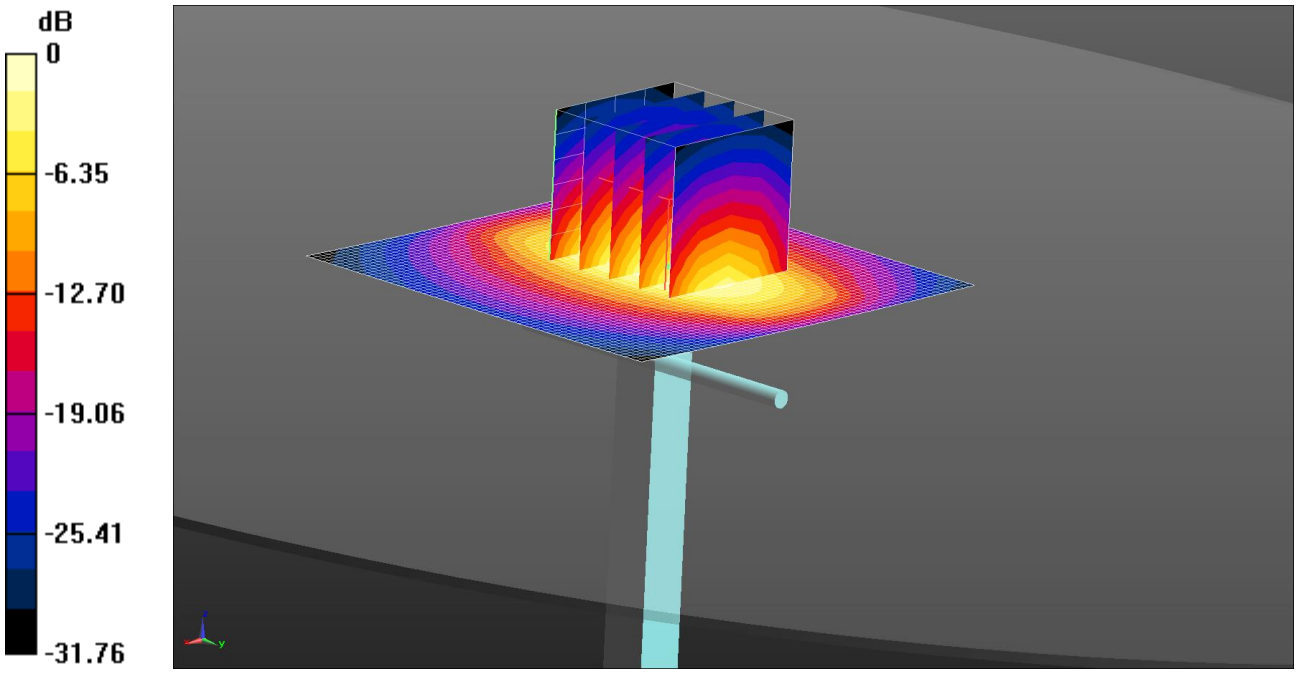
0 dB = 12.2 W/kg = 10.88 dBW/kg

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.533 S/m; ε_r = 54.225; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe) 2 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.2 W/kg

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe) 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 87.38 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 18.9 W/kg
SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.45 W/kg
Maximum value of SAR (measured) = 11.7 W/kg

062: System Performance Check 1900MHz Body 07 07 14
Date: 7/7/14
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN537



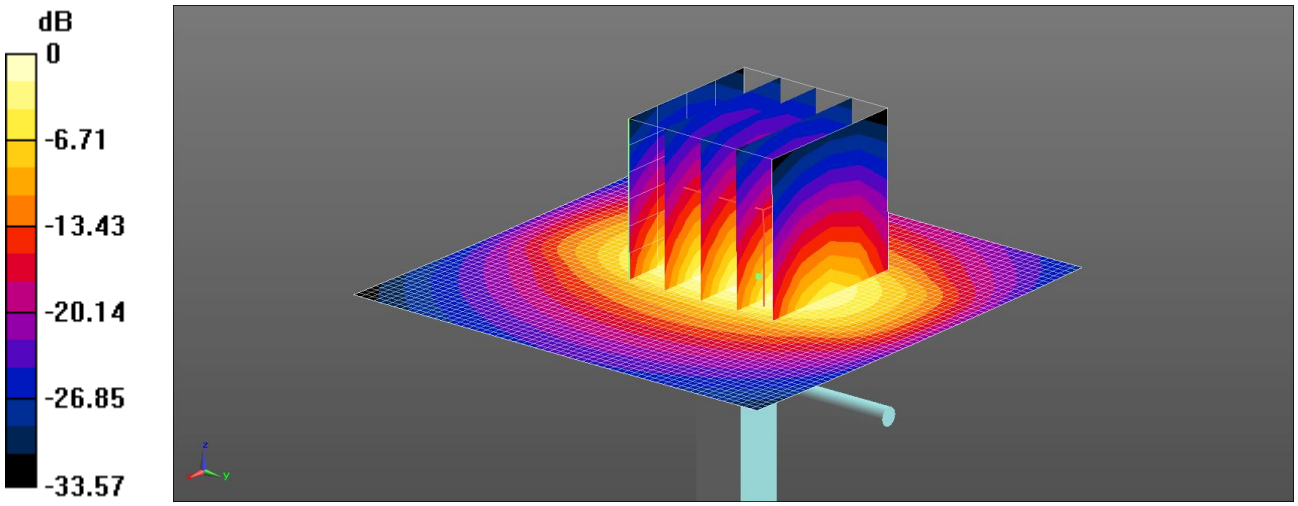
0 dB = 11.3 W/kg = 10.55 dBW/kg

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used: f = 1900 MHz; σ = 1.514 S/m; ε_r = 51.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe)/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.3 W/kg

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe)/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 84.76 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 9.77 W/kg; SAR(10 g) = 5.13 W/kg
Maximum value of SAR (measured) = 10.9 W/kg

063: System Performance Check 1900MHz Body 10 07 14
Date: 10/7/2014
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN537

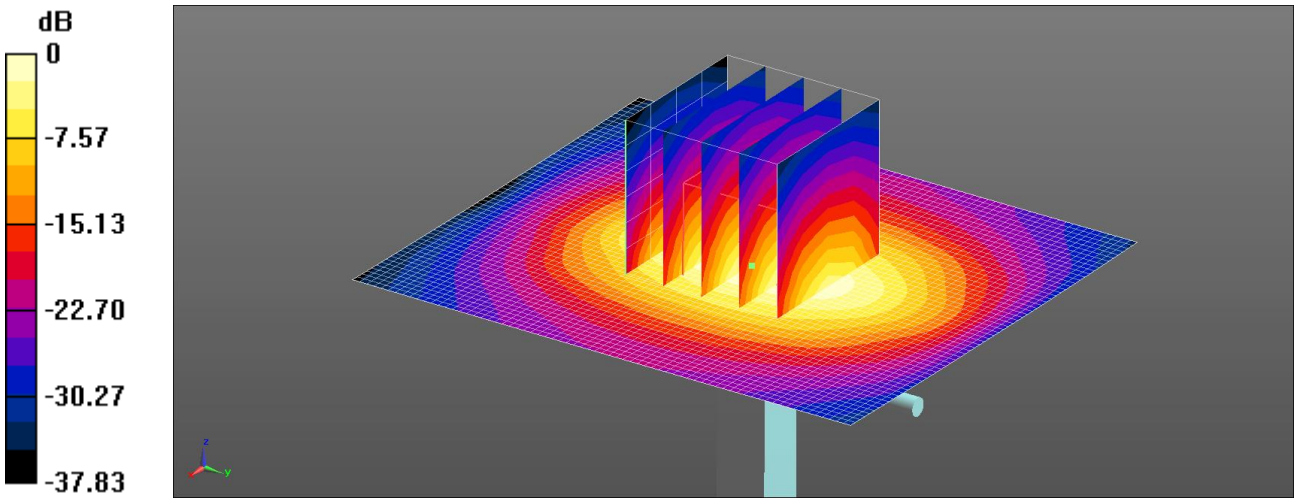


0 dB = 11.6 W/kg = 10.64 dBW/kg

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used: f = 1900 MHz; σ = 1.453 S/m; ε_r = 52.359; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe)/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.6 W/kg
SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe)/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.23 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 9.86 W/kg; SAR(10 g) = 5.09 W/kg
Maximum value of SAR (measured) = 11.1 W/kg

064: System Performance Check 1900MHz Body 08 08 14
Date: 8/8/2014
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN537

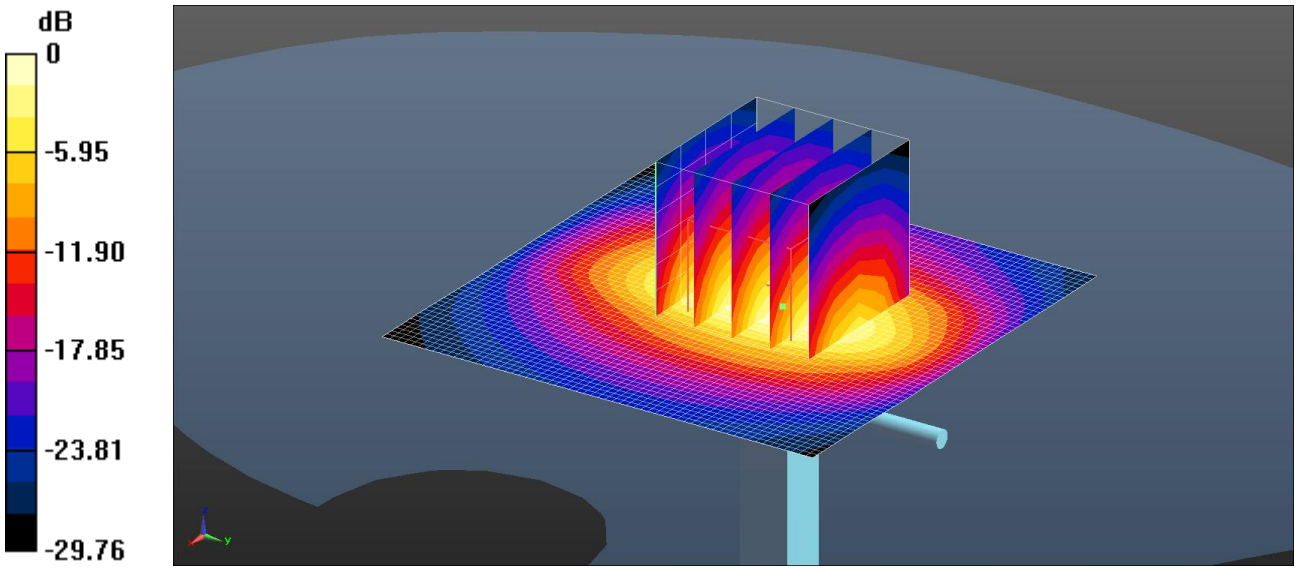


0 dB = 12.0 W/kg = 10.78 dBW/kg

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.529 S/m; ε_r = 51.481; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe)/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.0 W/kg
SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe)/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.98 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 18.4 W/kg
SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.25 W/kg
Maximum value of SAR (measured) = 11.3 W/kg

065: System Performance Check 1900MHz Body 14 08 14
Date: 14/8/2014
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN537

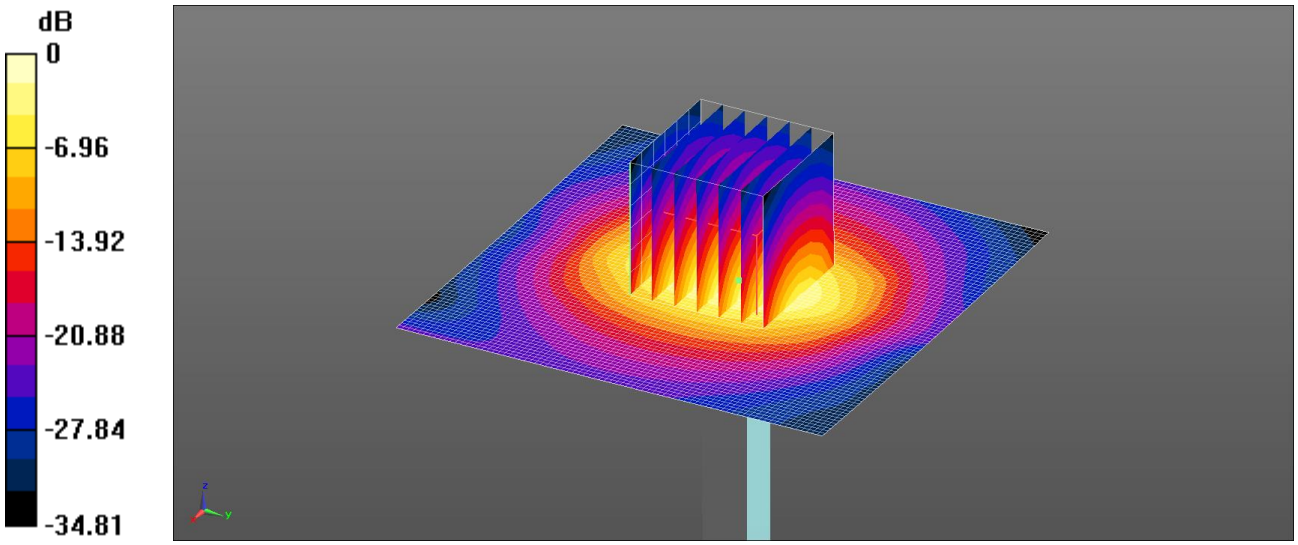


0 dB = 12.6 W/kg = 11.01 dBW/kg

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.549 S/m; ε_r = 52.697; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.46, 4.46, 4.46); Calibrated: 22/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 16/5/2014
- Phantom: SAM 12b (Site 56); Type: SAM 4.0; Serial: TP:1192
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/d=10mm, Pin=250mW 2 2 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.6 W/kg
Configuration/d=10mm, Pin=250mW 2 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 92.22 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 10 W/kg; SAR(10 g) = 5.38 W/kg
Maximum value of SAR (measured) = 11.3 W/kg

066: System Performance Check 2450MHz Body 15 07 14
Date: 15/7/2014
DUT: Dipole 2440 MHz; Type: D2440V2; Serial: D2440V2 - SN:701



0 dB = 14.6 W/kg = 11.63 dBW/kg

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450MHz MSL Medium parameters used: f = 2450 MHz; σ = 2.03 S/m; ε_r = 52.431; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/d=10mm, Pin=250mW 2 2/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 14.6 W/kg
Configuration/d=10mm, Pin=250mW 2 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.25 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 24.9 W/kg
SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.95 W/kg
Maximum value of SAR (measured) = 14.4 W/kg