

BODY_WLAN 802.11 b_CH1_repeated with Memory card

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: BODY2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.073 mW/g

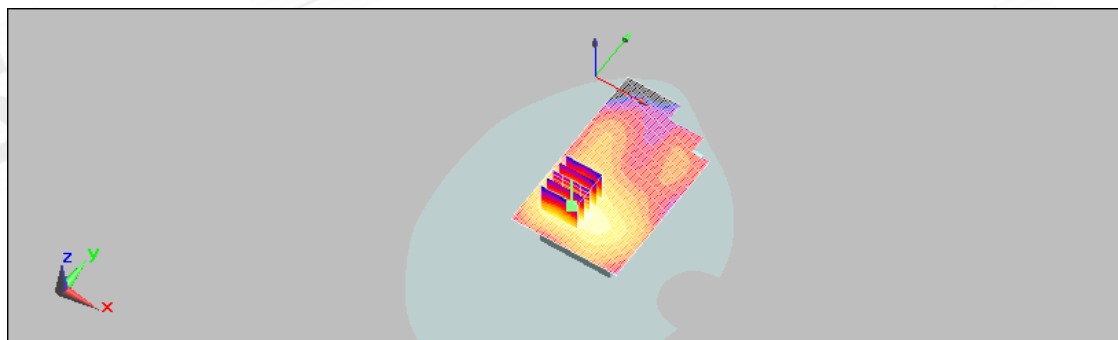
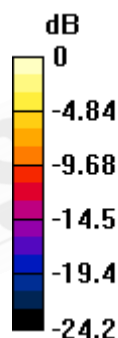
BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.69 V/m ; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 0.118 W/kg

SAR(1 g) = 0.066 mW/g ; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.072 mW/g



0 dB = 0.072 mW/g

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BODY_WLAN 802.11 b_CH1_repeated with Cotron headset

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: BODY2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

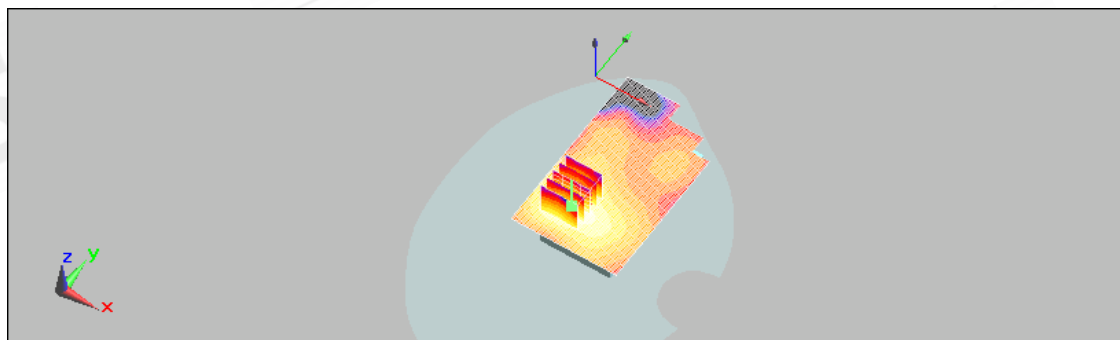
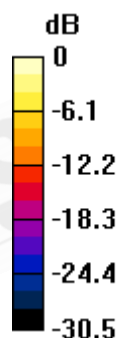
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.065 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 3.41 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 0.104 W/kg

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.062 mW/g



0 dB = 0.062mW/g

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BODY_WLAN 802.11 b_CH1_repeated with Merry headset

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: BODY2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

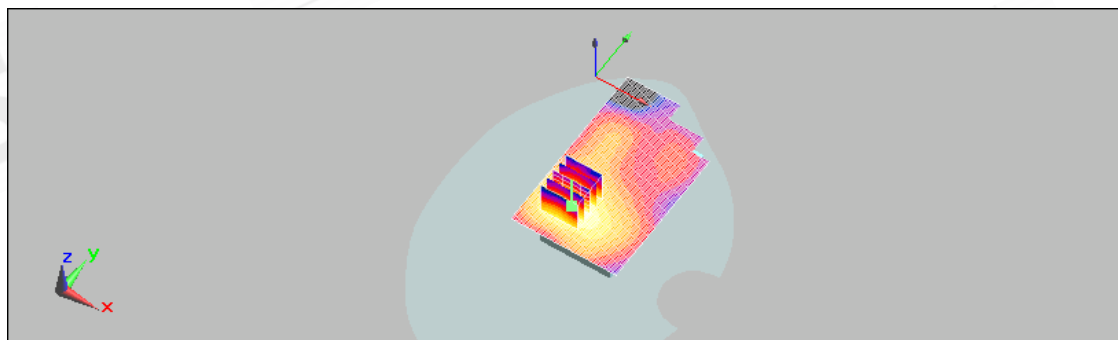
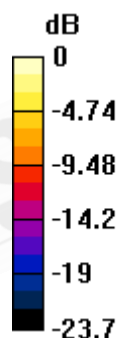
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.075 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 3.53 V/m; Power Drift = 0.188 dB
Peak SAR (extrapolated) = 0.119 W/kg

SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.072 mW/g



0 dB = 0.072mW/g

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BODY_WLAN 802.11 b_CH1_repeated with Welldone Battery

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: BODY2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

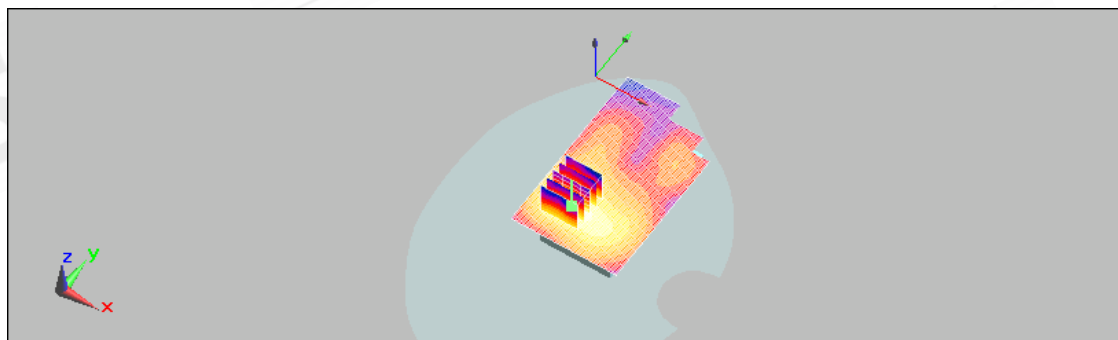
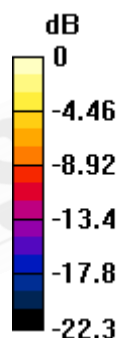
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.068 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 3.66 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 0.105 W/kg

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.065 mW/g



0 dB = 0.065mW/g

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BODY_WLAN 802.11 g_CH1

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: BODY2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

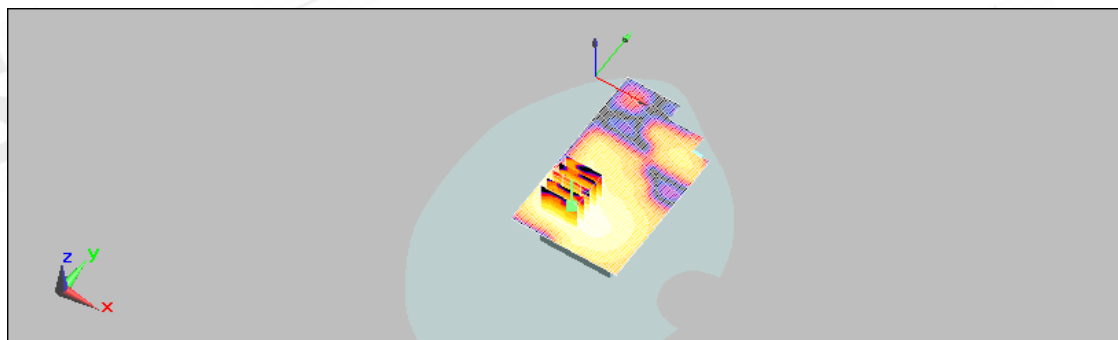
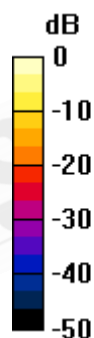
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.021 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 1.91 V/m; Power Drift = 0.200 dB
Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00985 mW/g
Maximum value of SAR (measured) = 0.020 mW/g



0 dB = 0.020mW/g

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BODY_WLAN 802.11 g_CH6

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BODY2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.015 mW/g

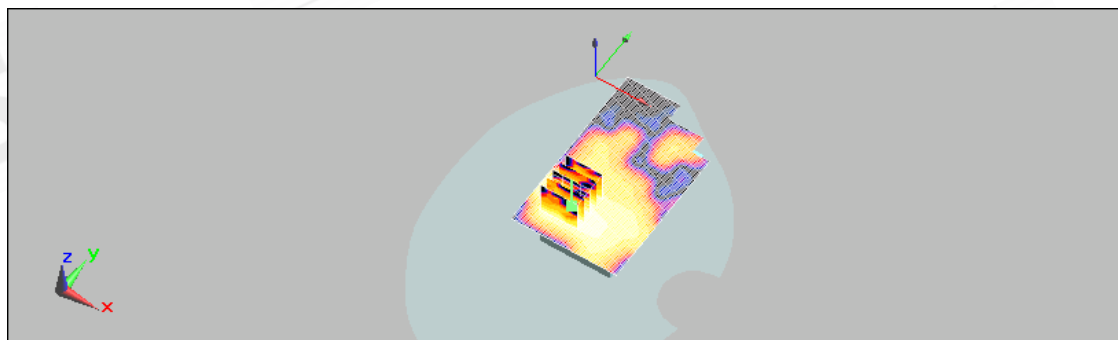
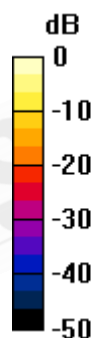
BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.56 V/m ; Power Drift = 0.160 dB

Peak SAR (extrapolated) = 0.022 W/kg

SAR(1 g) = 0.013 mW/g ; SAR(10 g) = 0.00673 mW/g

Maximum value of SAR (measured) = 0.015 mW/g



0 dB = 0.015mW/g

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BODY_WLAN 802.11 g _CH11

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: BODY2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

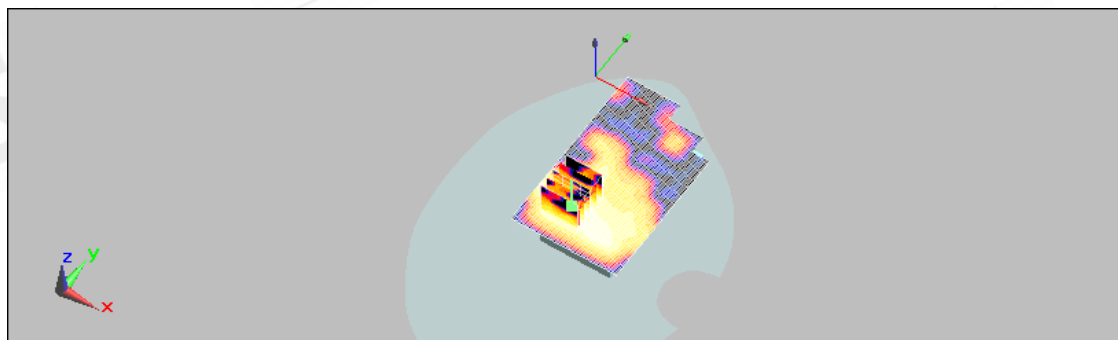
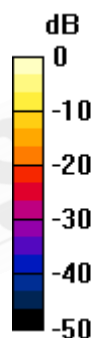
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.013 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 1.39 V/m; Power Drift = 0.217 dB
Peak SAR (extrapolated) = 0.019 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00516 mW/g
Maximum value of SAR (measured) = 0.013 mW/g



0 dB = 0.013mW/g

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RE_Cheek_CH128

DUT: PB99100;

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium: Head900 Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.872 \text{ mho/m}$; $\epsilon_r = 40.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

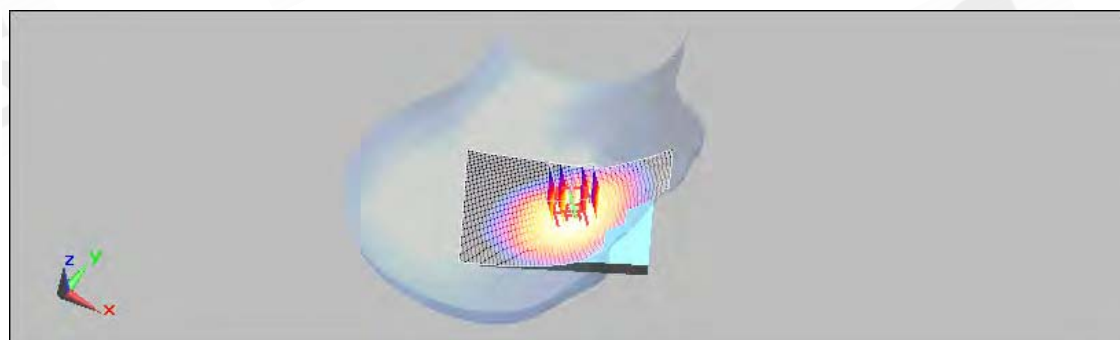
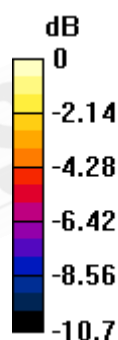
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(5.83, 5.83, 5.83); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

RE Cheek/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.369 mW/g

RE Cheek/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 8.04 V/m ; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.340 mW/g ; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (measured) = 0.354 mW/g



0 dB = 0.354 mW/g

BODY_CH190_ repeated with Welldone Battery

DUT: PB99100;

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: BODY900 Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.978 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

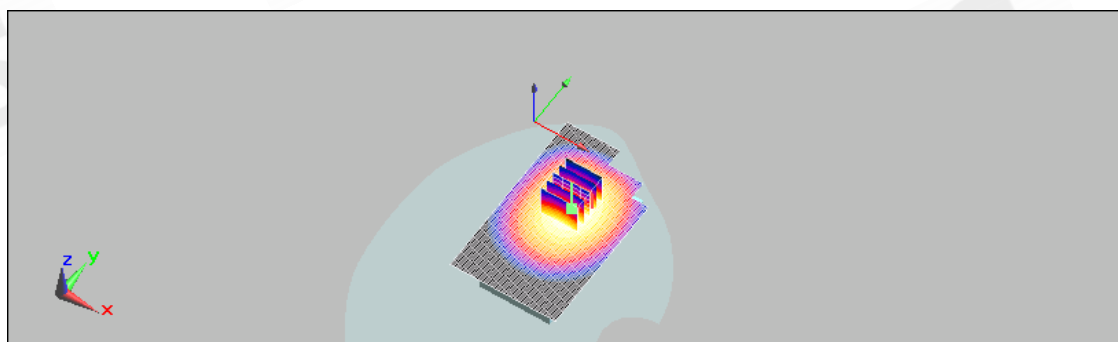
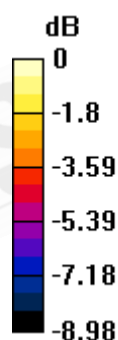
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(5.81, 5.81, 5.81); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.49 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 11.7 V/m ; Power Drift = -0.171 dB
Peak SAR (extrapolated) = 1.8 W/kg

SAR(1 g) = 1.39 mW/g ; SAR(10 g) = 1.03 mW/g
Maximum value of SAR (measured) = 1.46 mW/g



0 dB = 1.46 mW/g

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RE_Cheek_CH512

DUT: PB99100;

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head1900 Medium parameters used (interpolated): $f = 1850.2 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 38.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

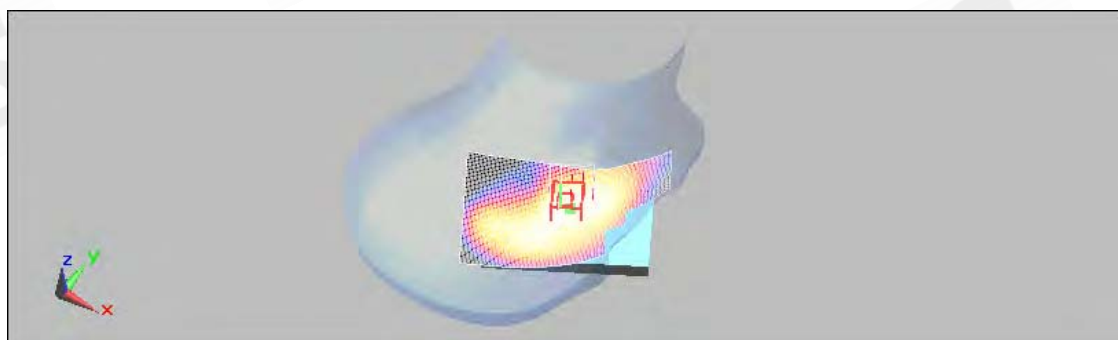
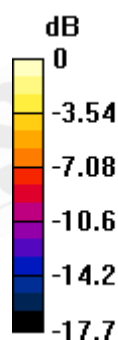
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.86, 4.86, 4.86); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

RE Cheek/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.413 mW/g

RE Cheek/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 3.652 V/m ; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.297 mW/g ; SAR(10 g) = 0.187 mW/g
Maximum value of SAR (measured) = 0.298 mW/g



0 dB = 0.298 mW/g

BODY_CH512

DUT: PB99100;

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2
Medium: BODY1900 Medium parameters used (interpolated): $f = 1850.2 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

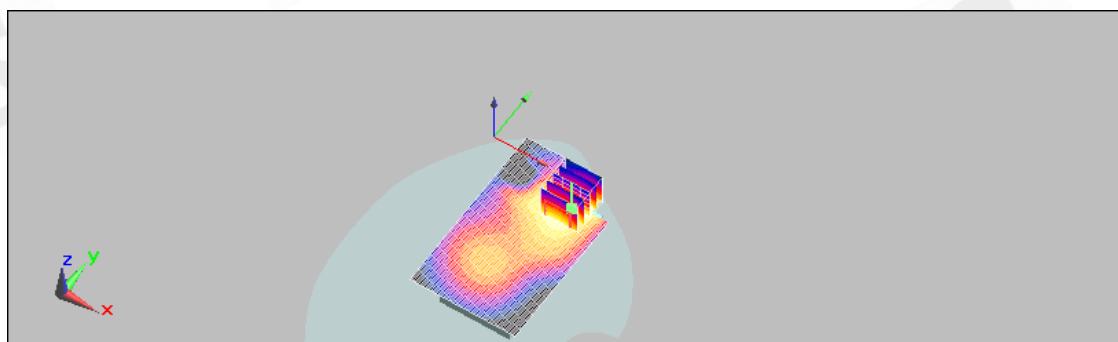
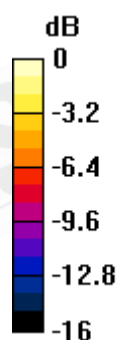
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.54, 4.54, 4.54); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.800 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 9.01 V/m ; Power Drift = -0.185 dB
Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.721 mW/g ; SAR(10 g) = 0.427 mW/g
Maximum value of SAR (measured) = 0.780 mW/g



0 dB = 0.780 mW/g

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RE_Cheek_CH1412_repeated with Memory card

DUT: PB99100;

Communication System: WCDMA BAND4; Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium: Head1800 Medium parameters used (interpolated): $f = 1732.4 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

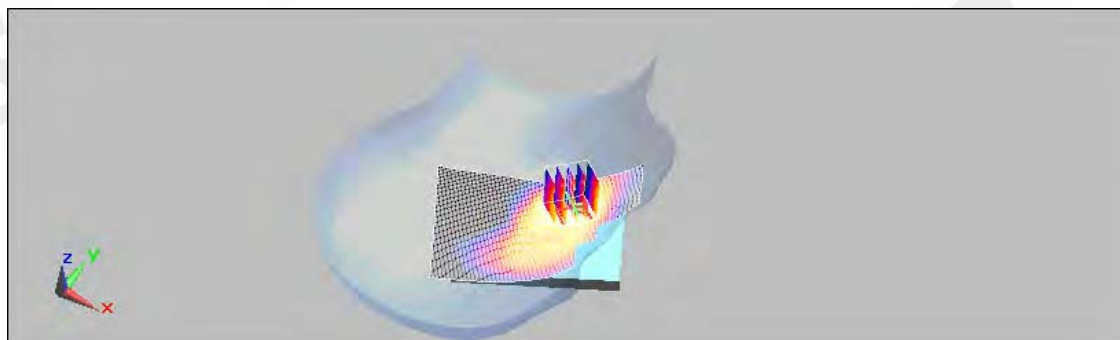
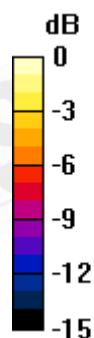
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.99, 4.99, 4.99); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

RE Cheek/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.896 mW/g

RE Cheek/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.06 V/m ; Power Drift = 0.057 dB
Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.815 mW/g ; SAR(10 g) = 0.562 mW/g
Maximum value of SAR (measured) = 0.672 mW/g



0 dB = 0.672 mW/g

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BODY_CH1412

DUT: PB99100;

Communication System: WCDMA BAND4; Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium: Body1800 Medium parameters used (interpolated): $f = 1732.4 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

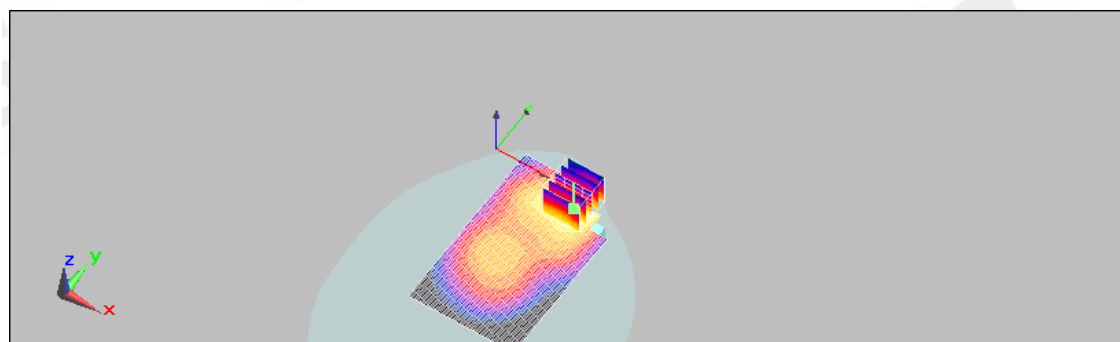
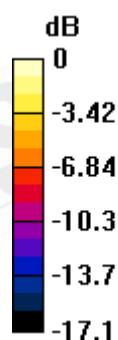
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.69, 4.69, 4.69); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.555 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 5.65 V/m ; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.818 W/kg

SAR(1 g) = 0.494 mW/g ; SAR(10 g) = 0.284 mW/g
Maximum value of SAR (measured) = 0.539 mW/g



0 dB = 0.539 mW/g

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BODY_CH1412 repeated with HSDPA mode

DUT: PB99100;

Communication System: WCDMA BAND4; Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium: Body1800 Medium parameters used (interpolated): $f = 1732.4 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

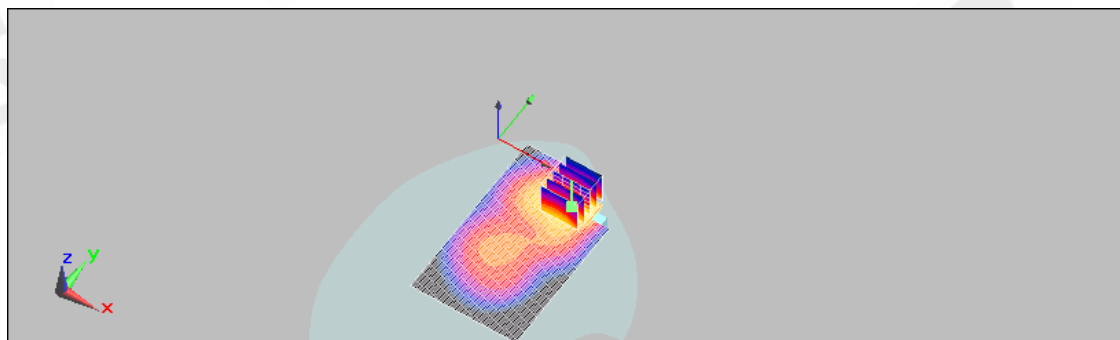
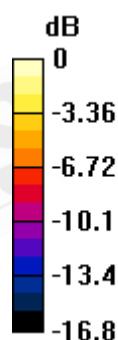
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.69, 4.69, 4.69); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.731 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.43 V/m ; Power Drift = 0.150 dB
Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.472 mW/g ; SAR(10 g) = 0.213 mW/g
Maximum value of SAR (measured) = 0.750 mW/g



0 dB = 0.750 mW/g

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BODY_CH1412 repeated with HSUPA mode

DUT: PB99100;

Communication System: WCDMA BAND4; Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium: Body1800 Medium parameters used (interpolated): $f = 1732.4 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

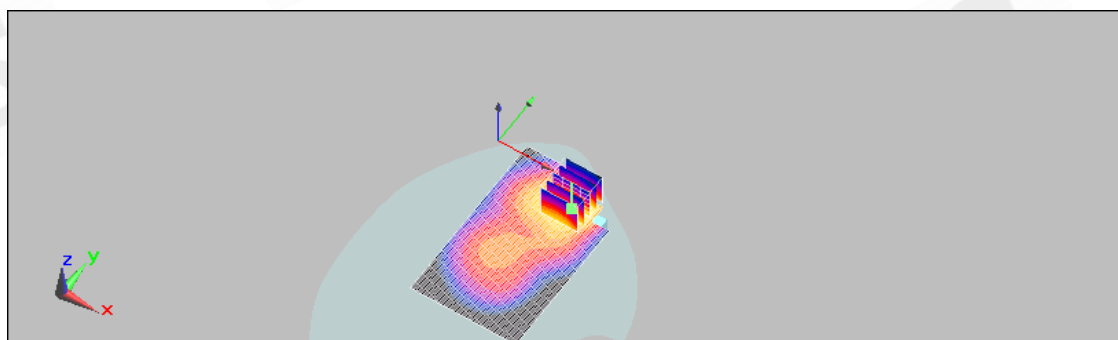
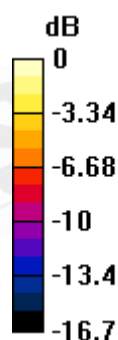
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.69, 4.69, 4.69); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.824 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.83 V/m ; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.446 mW/g ; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.835 mW/g



0 dB = 0.835 mW/g

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BODY_ WLAN 802.11b_ CH1 repeated with Merry headset

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: BODY2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.91 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

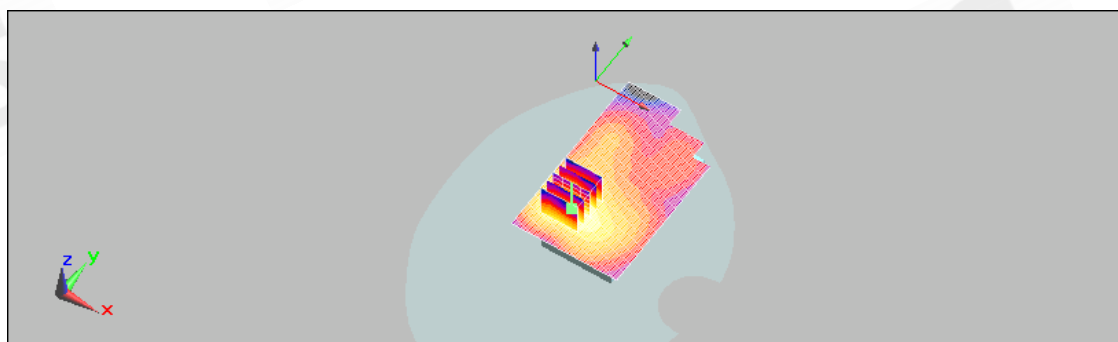
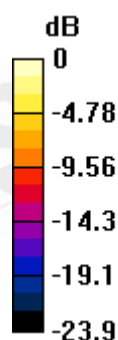
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.069 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 3.39 V/m; Power Drift = 0.168 dB
Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.070 mW/g



0 dB = 0.070mW/g

BODY_WLAN 802.11g_CH1

DUT: PB99100;

Communication System: Wireless LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: BODY2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.91 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

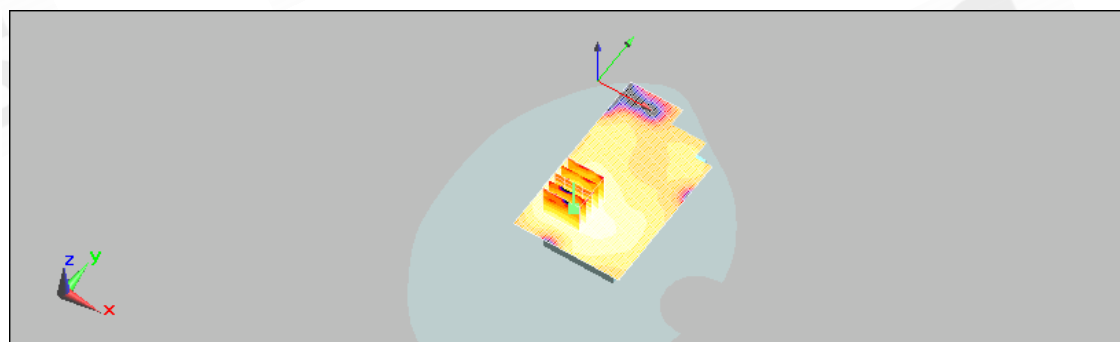
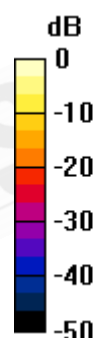
DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

BODY/Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.027 mW/g

BODY/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 2.19 V/m; Power Drift = -0.224 dB
Peak SAR (extrapolated) = 0.042 W/kg

SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.025 mW/g



0 dB = 0.025mW/g

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5. System Verification

Date/Time: 08/17/2009 01:32:22

DUT: Dipole 835 MHz;

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.879 \text{ mho/m}$; $\epsilon_r = 40.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(5.83, 5.83, 5.83); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.61 mW/g

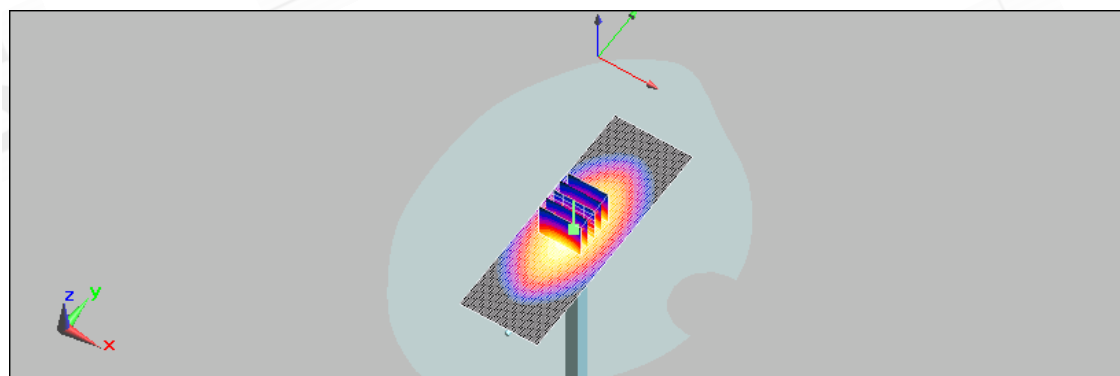
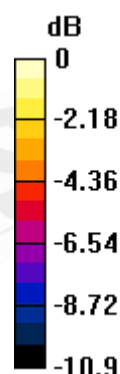
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.9 V/m; Power Drift = 0.00646 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.49 mW/g

Maximum value of SAR (measured) = 2.59 mW/g



0 dB = 2.59mW/g

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DUT: Dipole 835 MHz;

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: BODY900 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.979 \text{ mho/m}$; $\epsilon_r = 52.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(5.81, 5.81, 5.81); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.8 mW/g

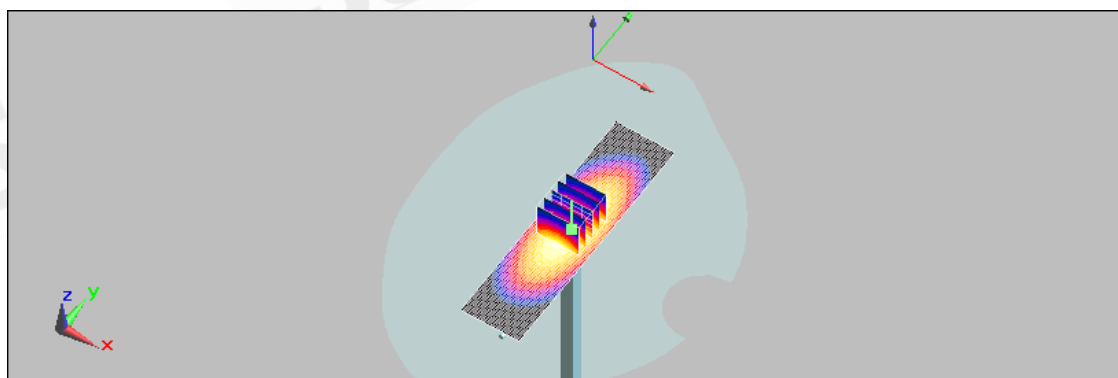
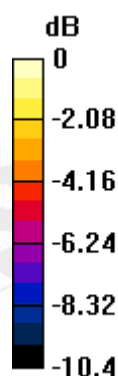
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 55.6 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.52 mW/g; SAR(10 g) = 1.66 mW/g

Maximum value of SAR (measured) = 2.85 mW/g



0 dB = 2.85mW/g

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DUT: Dipole 1900 MHz;

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.86, 4.86, 4.86); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 13.6 mW/g

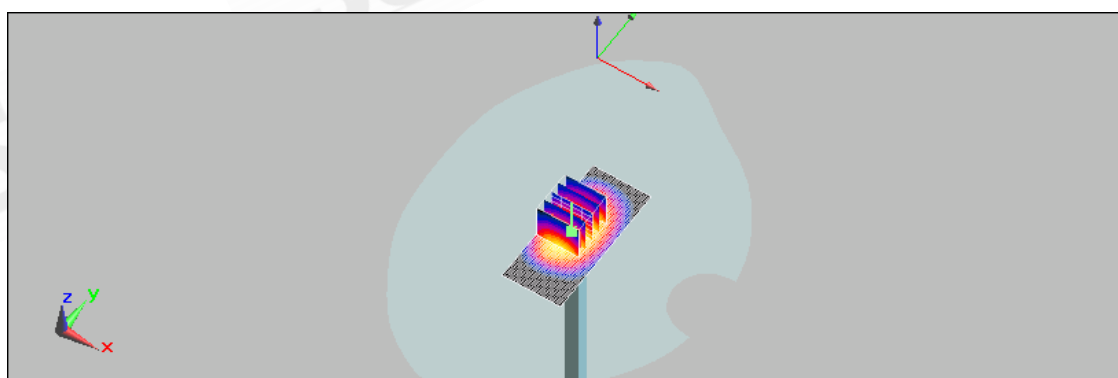
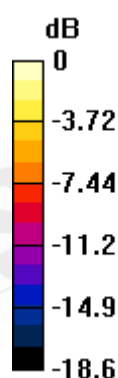
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.8 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 19.6 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 5.53 mW/g

Maximum value of SAR (measured) = 12.9 mW/g



0 dB = 12.9mW/g

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DUT: Dipole 1900 MHz;

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: BODY1900 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.54, 4.54, 4.54); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 13.8 mW/g

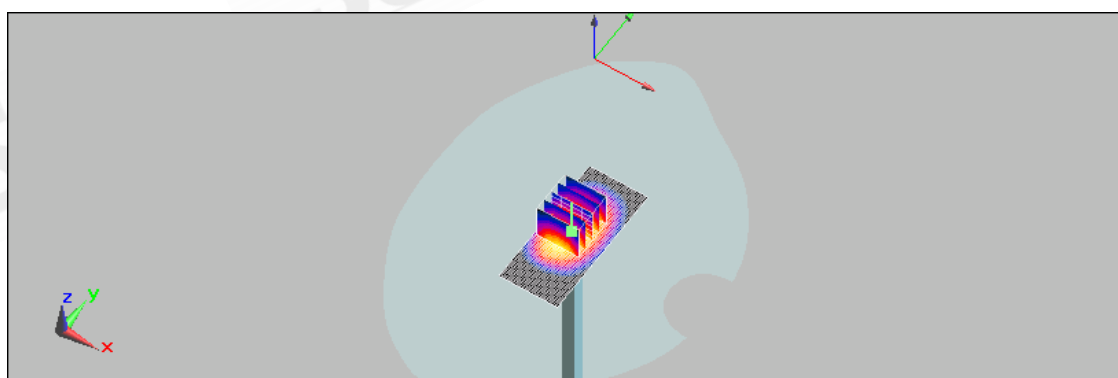
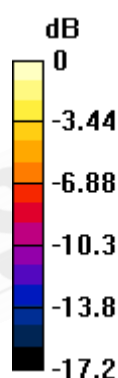
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 94.9 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 11.1 mW/g; SAR(10 g) = 5.81 mW/g

Maximum value of SAR (measured) = 13.3 mW/g



0 dB = 13.3mW/g

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DUT: Dipole 1750 MHz;

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1800 Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.99, 4.99, 4.99); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.7 mW/g

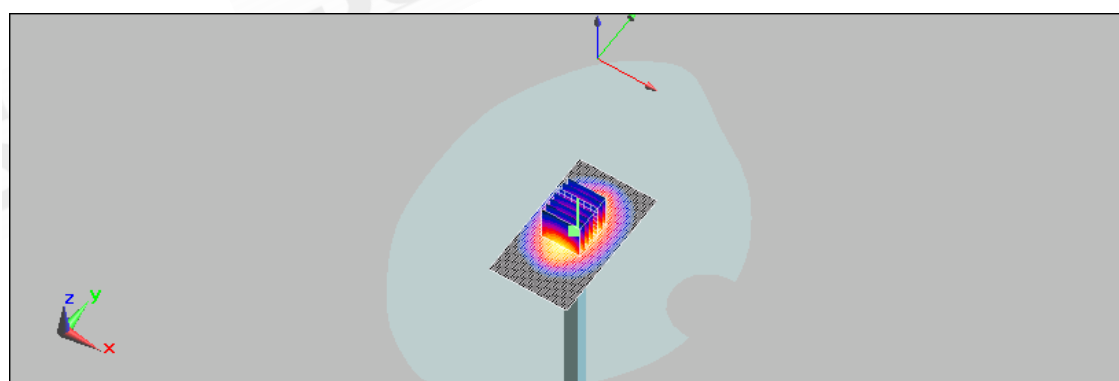
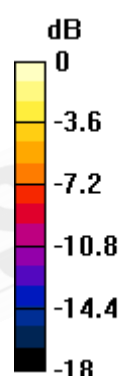
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.4 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 18.9 W/kg

SAR(1 g) = 9.87 mW/g; SAR(10 g) = 4.31 mW/g

Maximum value of SAR (measured) = 12.4 mW/g



0 dB = 12.4mW/g

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DUT: Dipole 1750 MHz

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: BODY1800 Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.69, 4.69, 4.69); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.3 mW/g

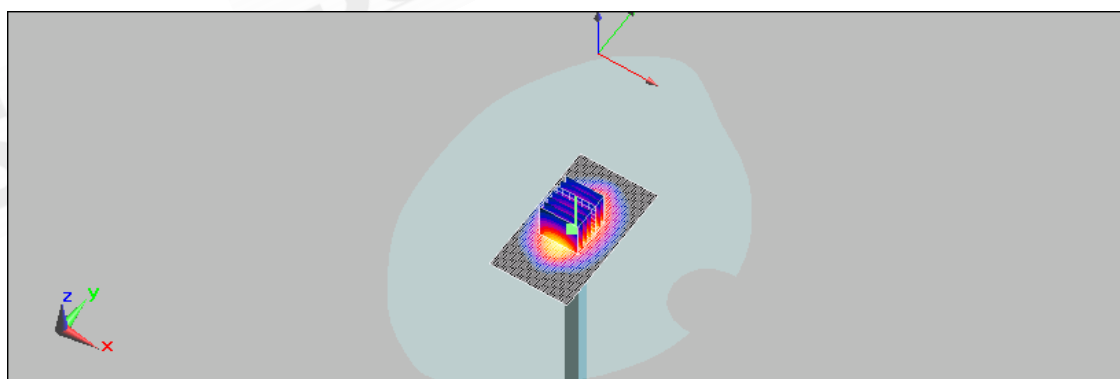
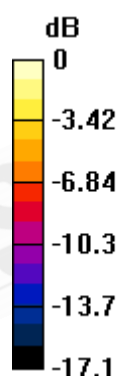
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.5 V/m; Power Drift = 0.000476 dB

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 9.5 mW/g; SAR(10 g) = 4.93 mW/g

Maximum value of SAR (measured) = 11.5 mW/g



0 dB = 11.5mW/g

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DUT: Dipole 2450 MHz;

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: Body 2450 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 17.9 mW/g

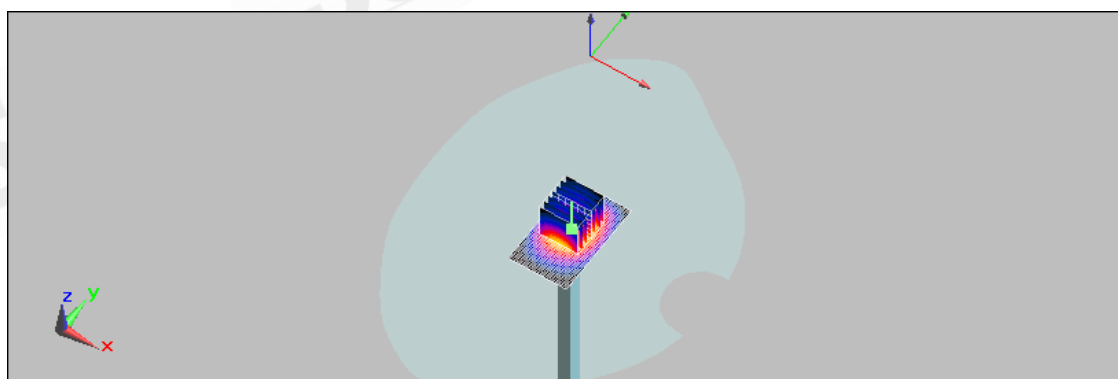
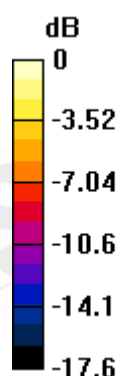
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 90.5 V/m; Power Drift = -0.00944 dB

Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 12.8 mW/g; SAR(10 g) = 6 mW/g

Maximum value of SAR (measured) = 16 mW/g



0 dB = 16mW/g

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DUT: Dipole 835 MHz;

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 40.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(5.83, 5.83, 5.83); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.61 mW/g

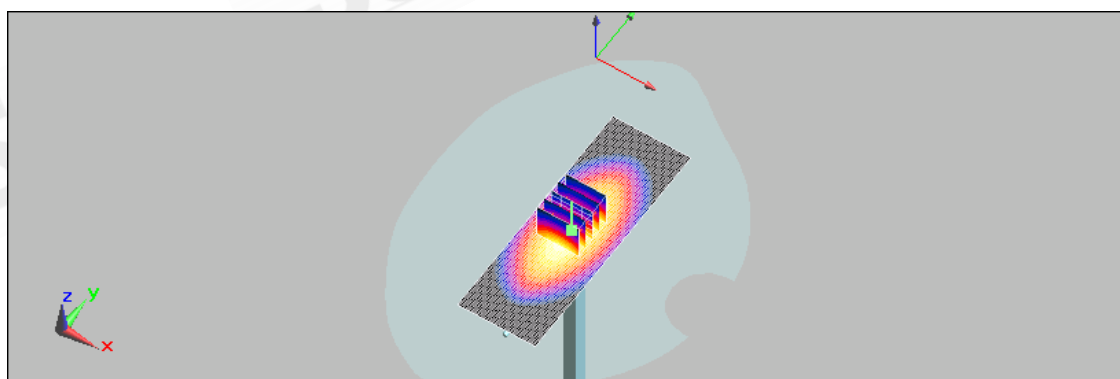
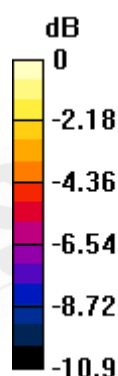
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56 V/m; Power Drift = -0.000399 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.51 mW/g

Maximum value of SAR (measured) = 2.59 mW/g



0 dB = 2.59mW/g

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DUT: Dipole 835 MHz;

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.978 \text{ mho/m}$; $\epsilon_r = 52.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(5.81, 5.81, 5.81); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.79 mW/g

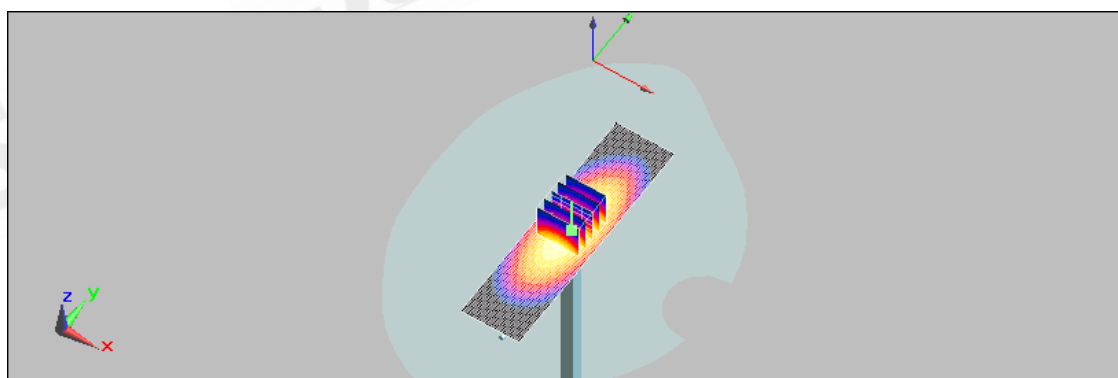
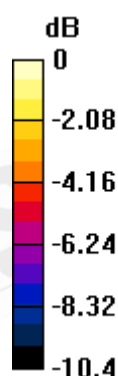
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.2 V/m; Power Drift = -0.0067 dB

Peak SAR (extrapolated) = 3.65 W/kg

SAR(1 g) = 2.51 mW/g; SAR(10 g) = 1.66 mW/g

Maximum value of SAR (measured) = 2.85 mW/g



0 dB = 2.85mW/g

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DUT: Dipole 1900 MHz;

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 38$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.86, 4.86, 4.86); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 13.4 mW/g

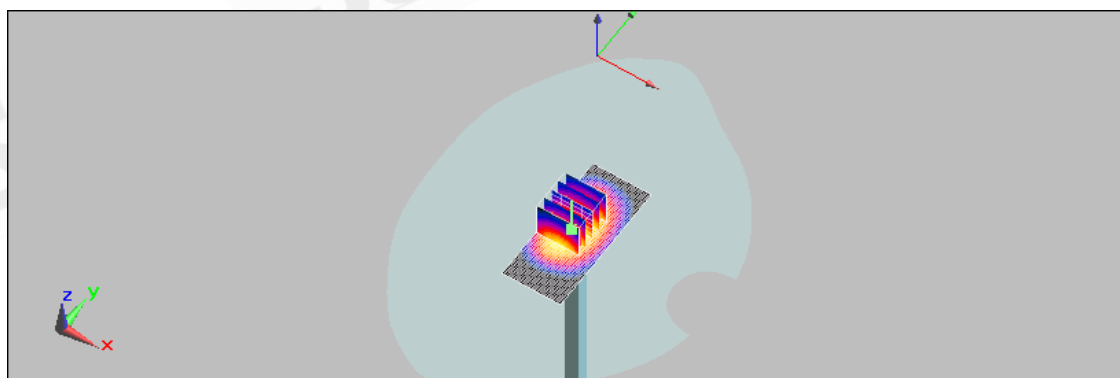
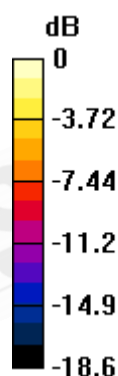
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 95.6 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 10.6 mW/g; SAR(10 g) = 5.46 mW/g

Maximum value of SAR (measured) = 12.7 mW/g



0 dB = 12.7mW/g

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DUT: Dipole 1900 MHz;

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: BODY1900 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 55.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.54, 4.54, 4.54); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 13.9 mW/g

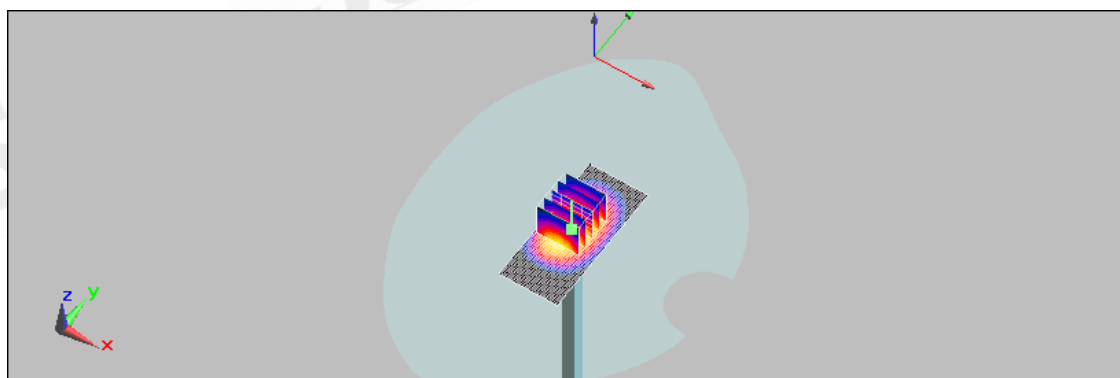
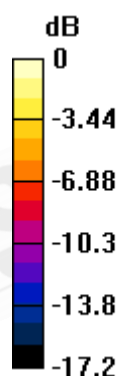
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 95.1 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.79 mW/g

Maximum value of SAR (measured) = 13.3 mW/g



0 dB = 13.3mW/g

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DUT: Dipole 1750 MHz;

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1800 Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.99, 4.99, 4.99); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 12.3 mW/g

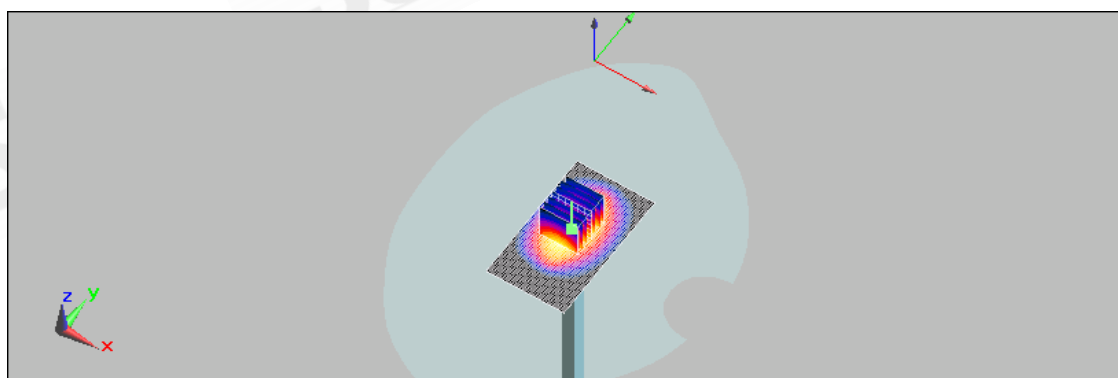
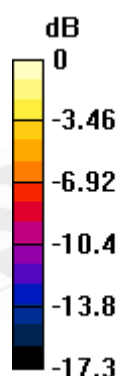
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 90.7 V/m; Power Drift = 0.00215 dB

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 10 mW/g; SAR(10 g) = 5.18 mW/g

Maximum value of SAR (measured) = 12.2 mW/g



0 dB = 12.2mW/g

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DUT: Dipole 1750 MHz;

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: BODY1800 Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 55.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.69, 4.69, 4.69); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 13.2 mW/g

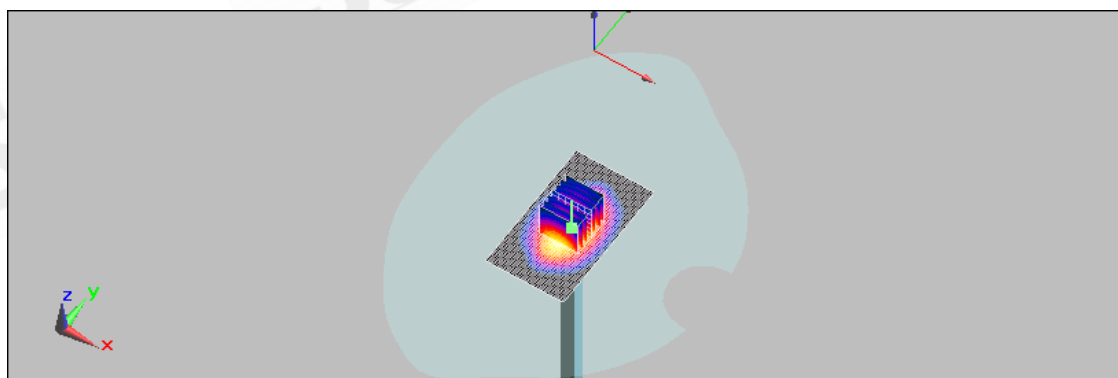
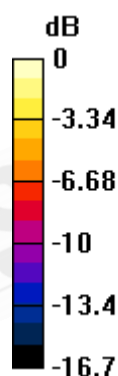
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 91.6 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 18.6 W/kg

SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.32 mW/g

Maximum value of SAR (measured) = 12.4 mW/g



0 dB = 12.4mW/g

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DUT: Dipole 2450 MHz;

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3172; ConvF(4.02, 4.02, 4.02); Calibrated: 5/27/2009
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 5/26/2009
- Phantom: SAM1; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 17.9 mW/g

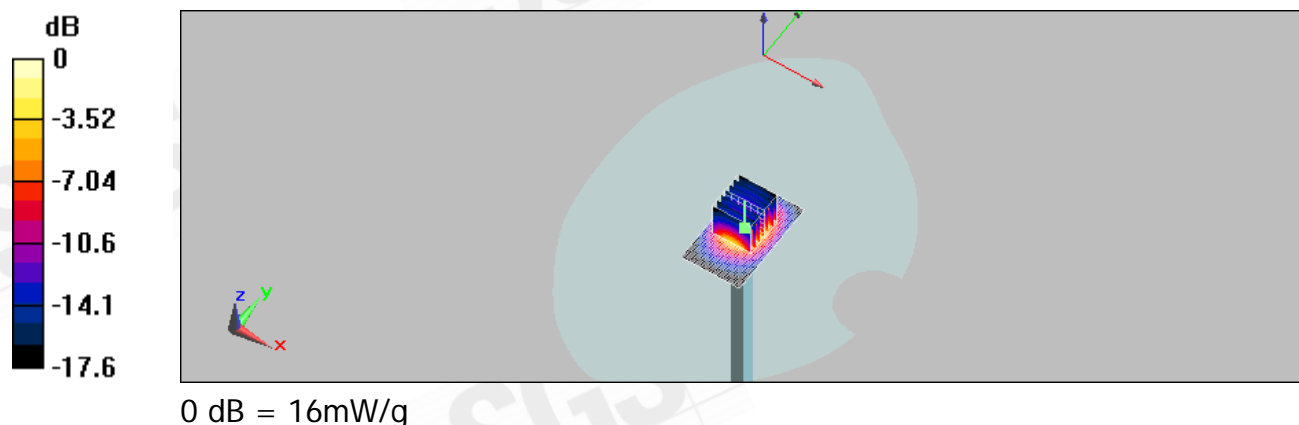
d=15mm, Pin=250mW, dist=3.4mm : Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 90.4 V/m; Power Drift = -0.00403 dB

Peak SAR (extrapolated) = 26.2 W/kg

SAR(1 g) = 12.9 mW/g; SAR(10 g) = 6.2 mW/g

Maximum value of SAR (measured) = 16 mW/g



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