

Test Laboratory: UL CCS

System Check D5GHzV2_SN1075

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.268$ mho/m; $\epsilon_r = 50.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.98, 3.98, 3.98); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.2G/Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 11.229 mW/g

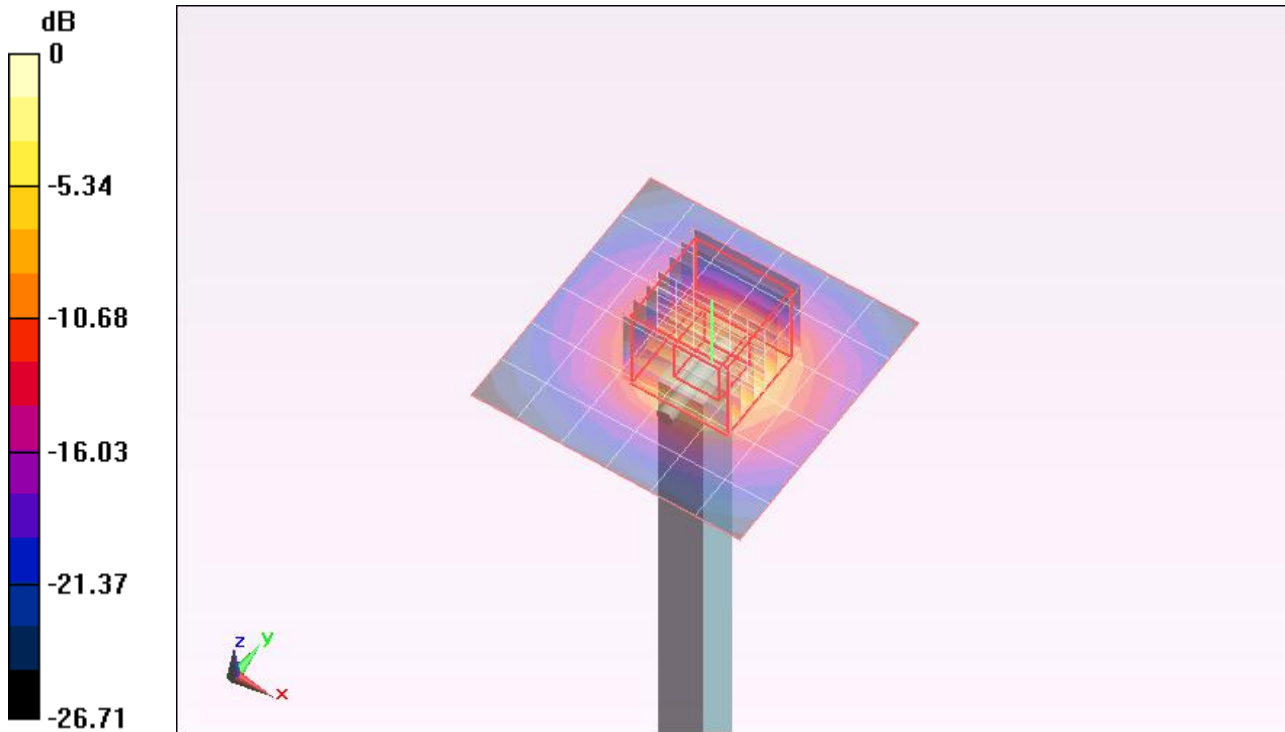
5.2G/Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 49.462 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 25.001 W/kg

SAR(1 g) = 7.22 mW/g; SAR(10 g) = 2.06 mW/g

Maximum value of SAR (measured) = 13.160 mW/g



0 dB = 13.160mW/g

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System Check D5GHzV2_SN1075

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.731$ mho/m; $\epsilon_r = 49.413$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.56, 3.56, 3.56); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.5GHz/P=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.702 mW/g

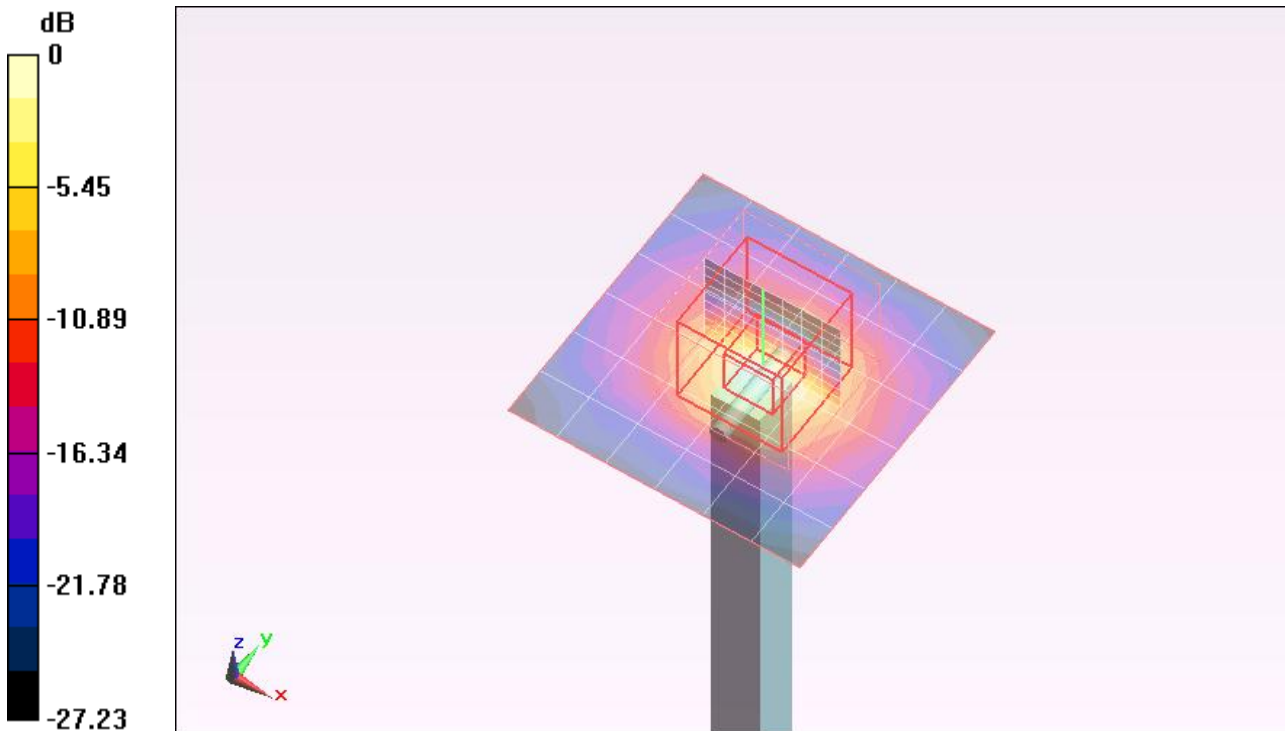
5.5GHz/P=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 53.160 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 29.069 W/kg

SAR(1 g) = 8.05 mW/g; SAR(10 g) = 2.26 mW/g

Maximum value of SAR (measured) = 14.474 mW/g



0 dB = 14.470mW/g

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System Check D5GHzV2_SN1075

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.167$ mho/m; $\epsilon_r = 49.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.8GHz/P=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 12.022 mW/g

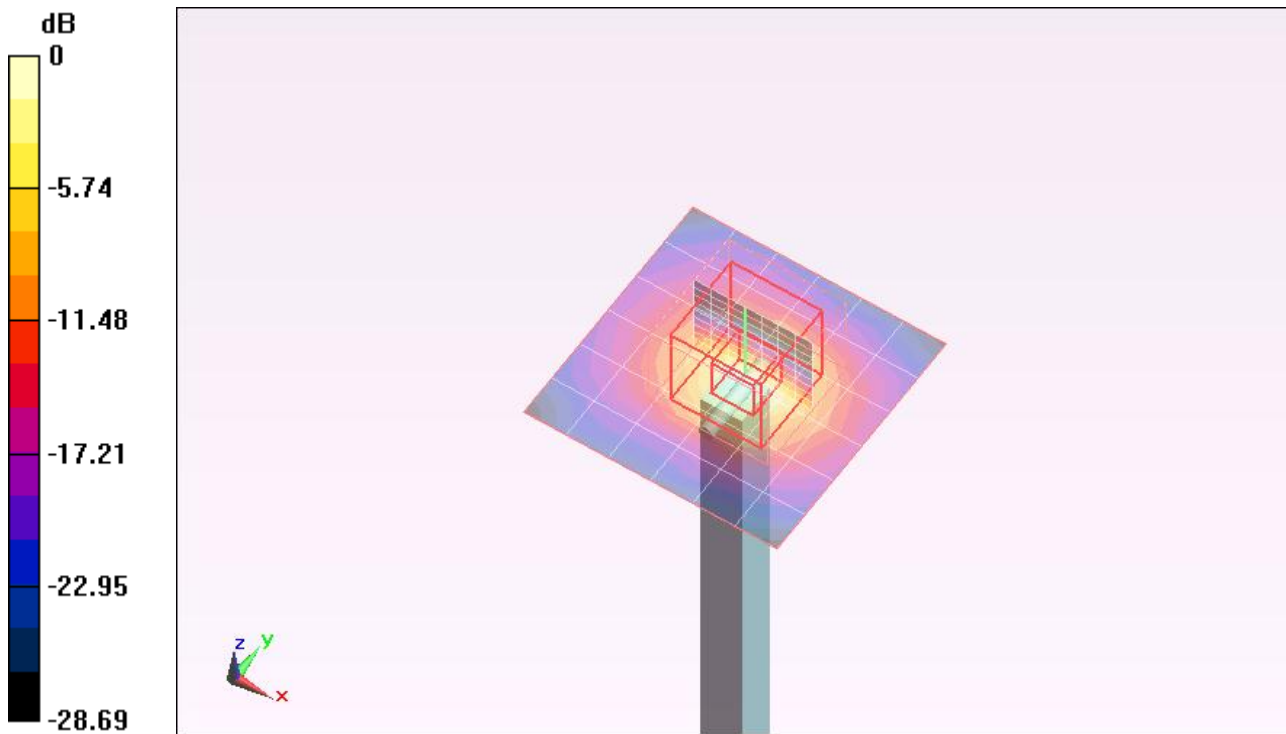
5.8GHz/P=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 47.976 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 27.283 W/kg

SAR(1 g) = 7.13 mW/g; SAR(10 g) = 1.99 mW/g

Maximum value of SAR (measured) = 12.870 mW/g



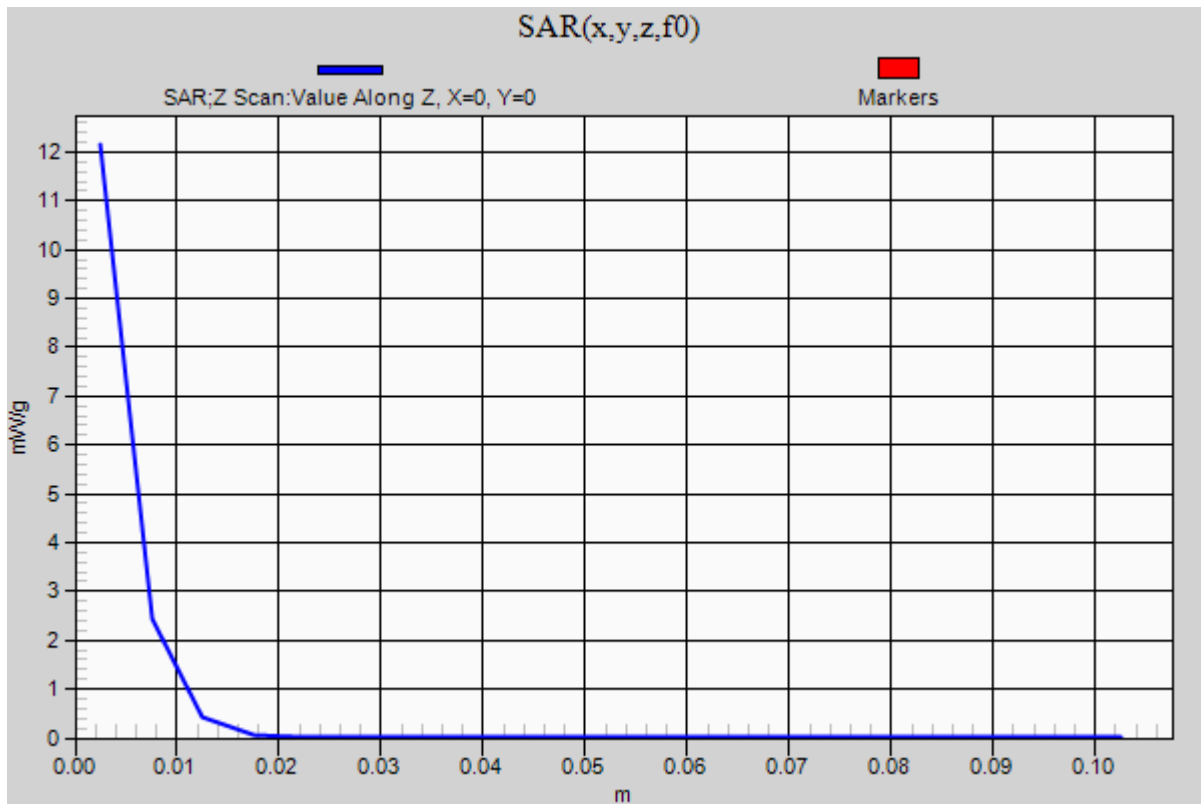
0 dB = 12.870mW/g

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System Check D5GHzV2_SN1075

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

5.8GHz/P=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.148 mW/g

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System Check D5GHzV2_SN1075

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.291$ mho/m; $\epsilon_r = 46.907$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.98, 3.98, 3.98); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.2GHz/P=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.082 mW/g

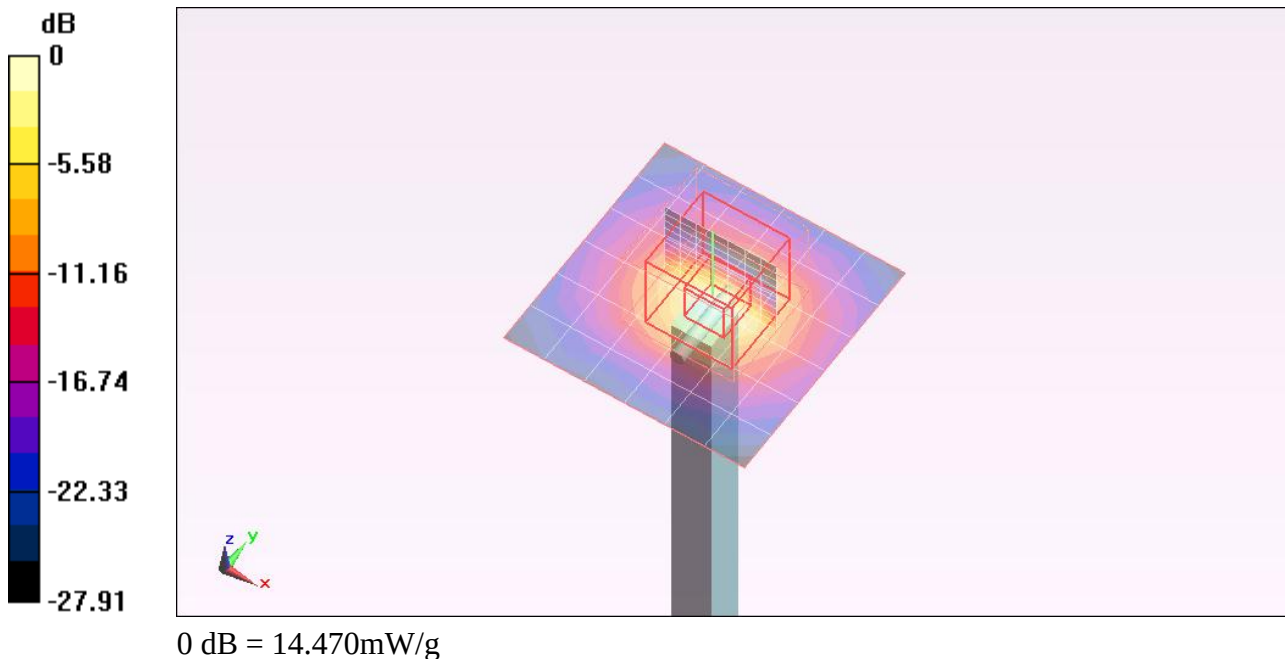
5.2GHz/P=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 55.620 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 29.020 W/kg

SAR(1 g) = 8.29 mW/g; SAR(10 g) = 2.36 mW/g

Maximum value of SAR (measured) = 14.468 mW/g



Test Laboratory: UL CCS

System Check D5GHzV2_SN1075

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.717$ mho/m; $\epsilon_r = 46.242$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.56, 3.56, 3.56); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.5GHz/P=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 15.050 mW/g

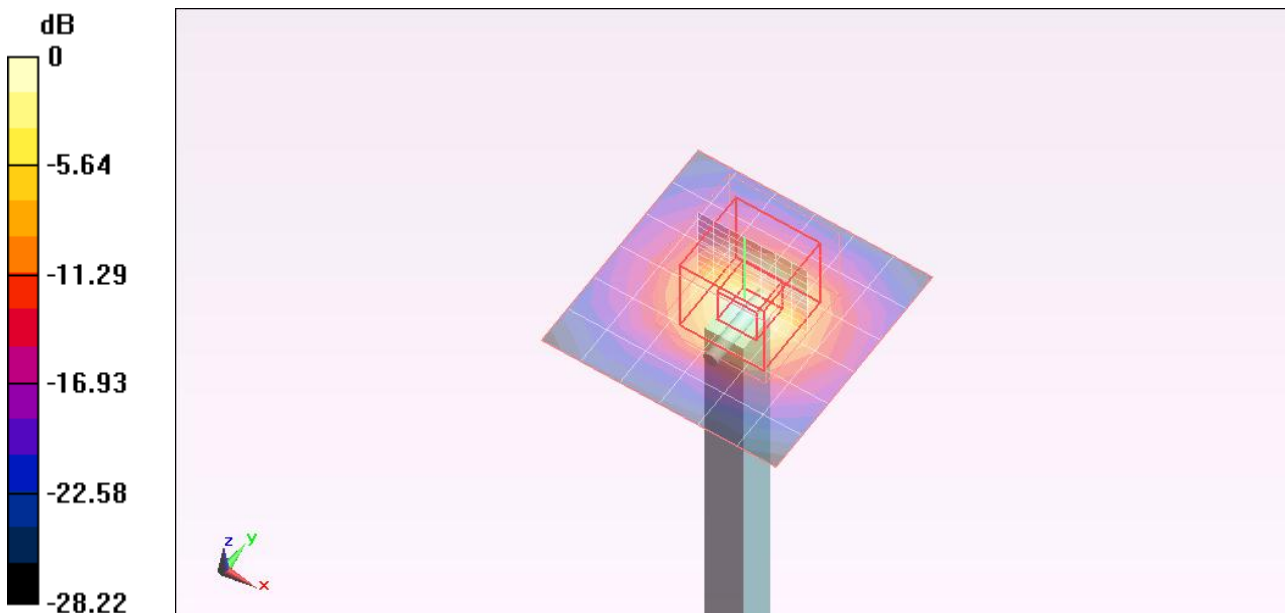
5.5GHz/P=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 55.626 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 30.093 W/kg

SAR(1 g) = 8.75 mW/g; SAR(10 g) = 2.48 mW/g

Maximum value of SAR (measured) = 15.347 mW/g



0 dB = 15.350mW/g

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System Check D5GHzV2_SN1075

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 6.185$ mho/m; $\epsilon_r = 45.752$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(4, 4, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.8GHz/P=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.107 mW/g

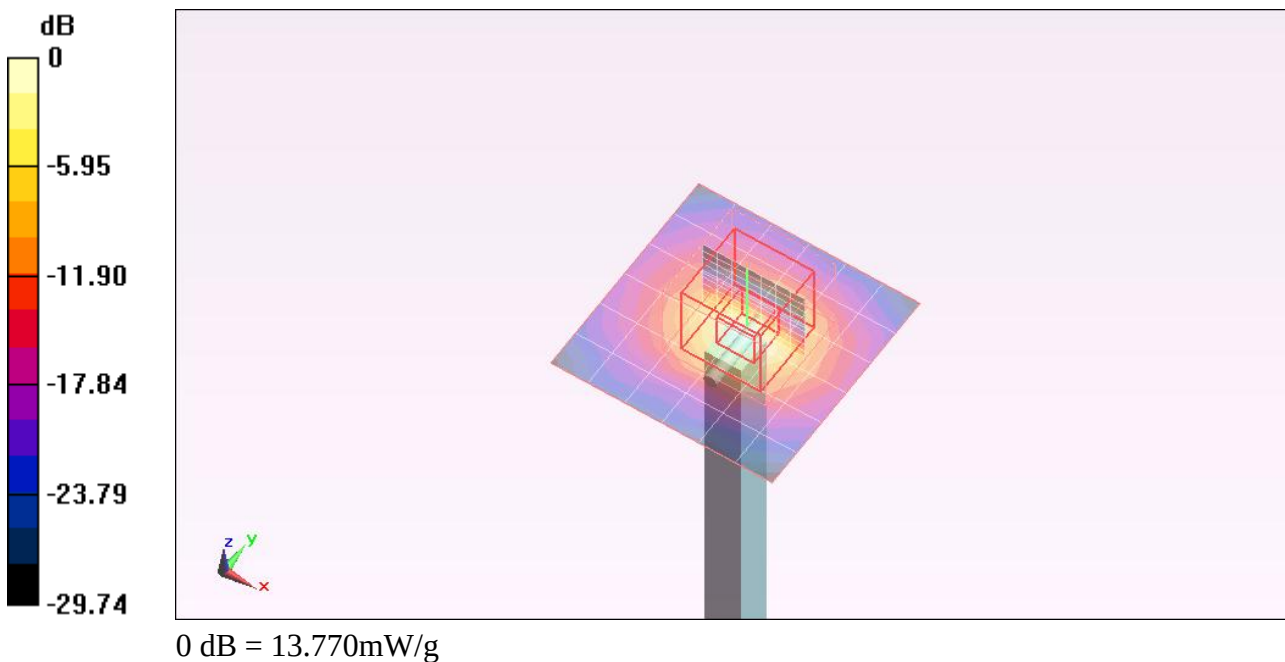
5.8GHz/P=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 49.365 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 29.583 W/kg

SAR(1 g) = 7.58 mW/g; SAR(10 g) = 2.13 mW/g

Maximum value of SAR (measured) = 13.772 mW/g



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Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

5.8GHz/P=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.826 mW/g

