Test Date: 2016. 06. 08 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 13 Temperature : 23℃ Humidity : 25%

Liquid Temperature : 21.7℃					Depth of Liquid: **>** 15cm				
Test Mode: 5GHz									
Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency		Conducted power (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR (W/kg)	Limit (W/kg)
			Channel	MHz					
802.11a (UNII Band II-2C)									
Front	Fixed	0.5	120	5600	18.24	**0.623**	1.19	**0.74**	1.6
Back	Fixed	0.5	120	5600	18.24	0.327	1.19	0.39	1.6
Top	Fixed	0.5	120	5600	18.24	0.363	1.19	0.43	1.6
Right	Fixed	0.5	120	5600	18.24	0.111	1.19	0.13	1.6
802.11a (UNII Band III)									
Front	Fixed	0.5	165	5825	17.98	**0.508**	1.00	**0.51**	1.6
Back	Fixed	0.5	165	5825	17.98	0.237	1.00	0.24	1.6
Top	Fixed	0.5	165	5825	17.98	0.190	1.00	0.19	1.6
Right	Fixed	0.5	165	5825	17.98	0.069	1.00	0.07	1.6

Remark: The worst SAR was measured at 5 mm distance.

Date: 6/8/2016

Test Laboratory: Audix_SAR Lab

P23 Wi-Fi 802.11a CH 120 5600MHz Front

DUT: TC12A-W

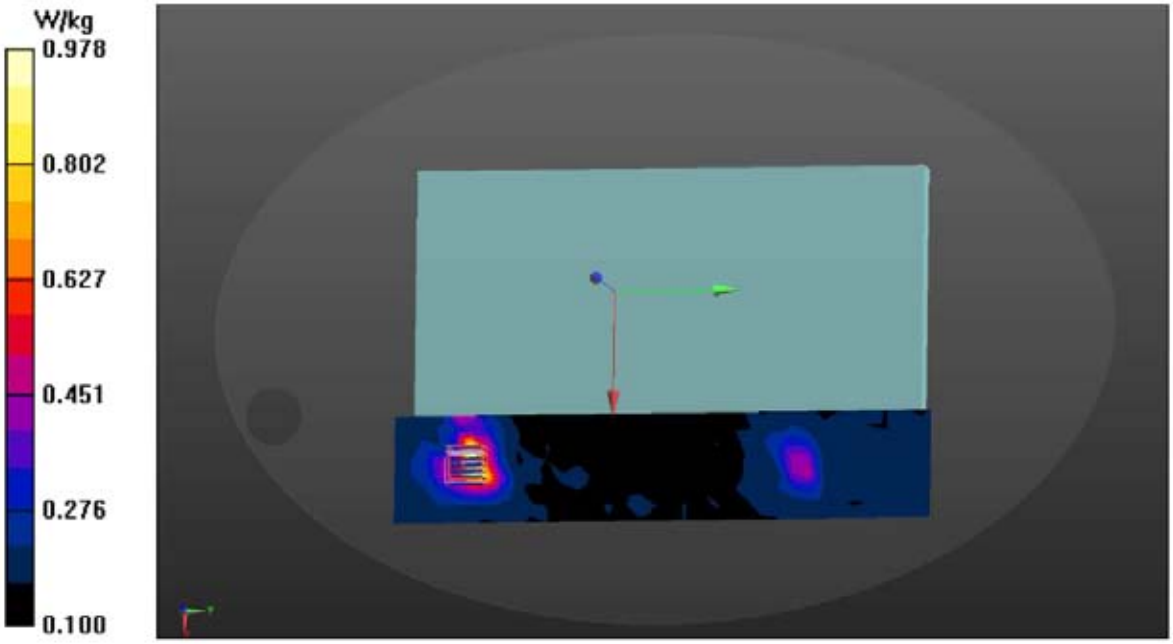
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5600 MHz;Duty Cycle:1:1.05
Medium parameters used: f = 5600 MHz; σ = 5.894 S/m; ε_r = 46.75; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (8x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.978 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.791 V/m; Power Drift = 1.37 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.372 W/kg
Maximum value of SAR (measured) = 0.987 W/kg



Date: 6/8/2016

Test Laboratory: Audix_SAR Lab

P24 Wi-Fi 802.11a CH 120 5600MHz Back

DUT: TC12A-W

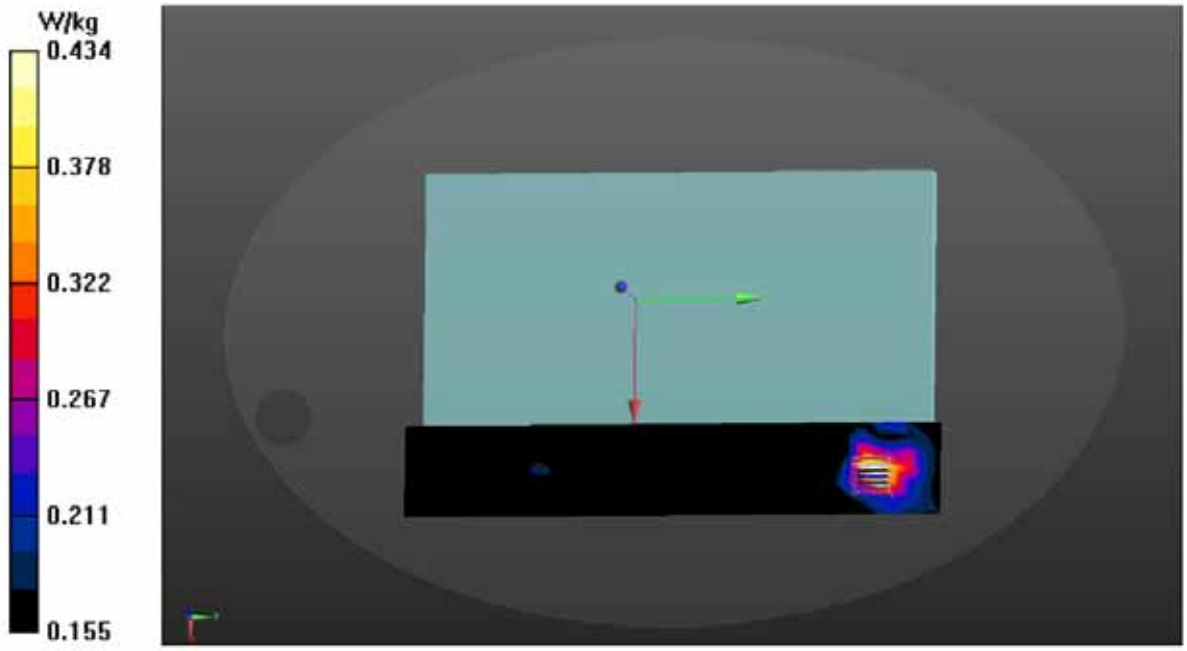
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5600 MHz;Duty Cycle:1:1.05
Medium parameters used: f = 5600 MHz; σ = 5.894 S/m; ε_r = 46.75; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.416 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.700 V/m; Power Drift = 0.82 dB
Peak SAR (extrapolated) = 0.711 W/kg
SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.248 W/kg
Maximum value of SAR (measured) = 0.434 W/kg



Date: 6/8/2016

Test Laboratory: Audix_SAR Lab

P25 Wi-Fi 802.11a CH 120 5600MHz Top

DUT: TC12A-W

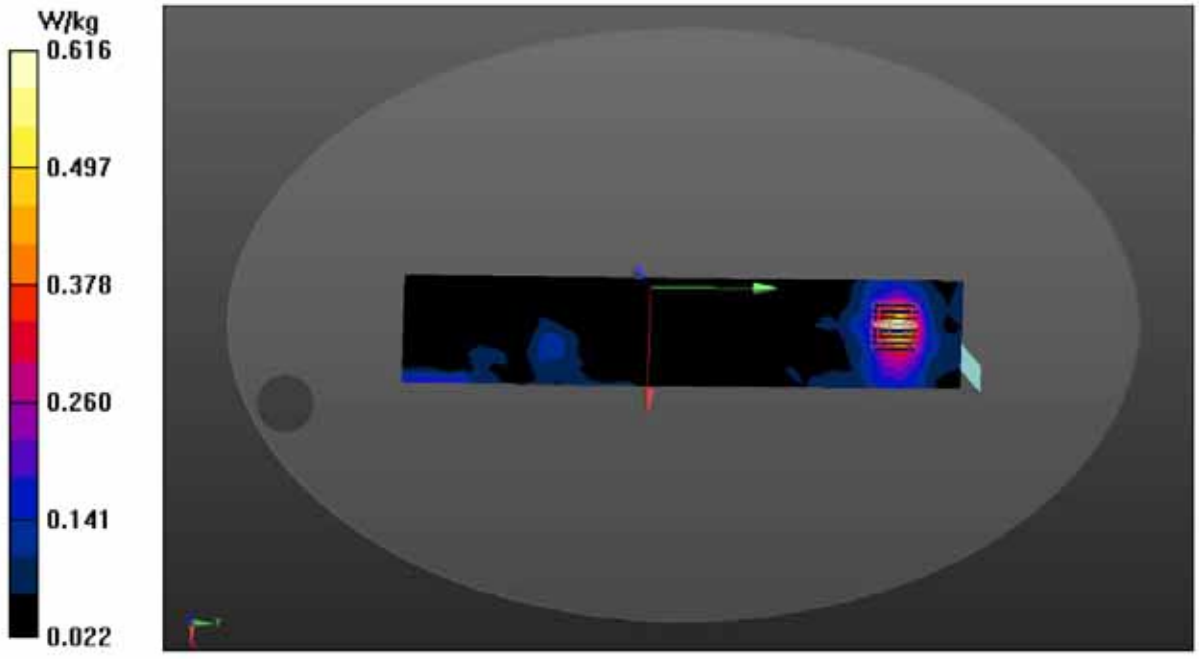
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5600 MHz;Duty Cycle:1:1.05
Medium parameters used: f = 5600 MHz; σ = 5.894 S/m; ε_r = 46.75; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (8x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.640 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.295 V/m; Power Drift = -1.87 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.169 W/kg
Maximum value of SAR (measured) = 0.616 W/kg



Date: 6/8/2016

Test Laboratory: Audix_SAR Lab

P26 Wi-Fi 802.11a CH 120 5600MHz Right

DUT: TC12A-W

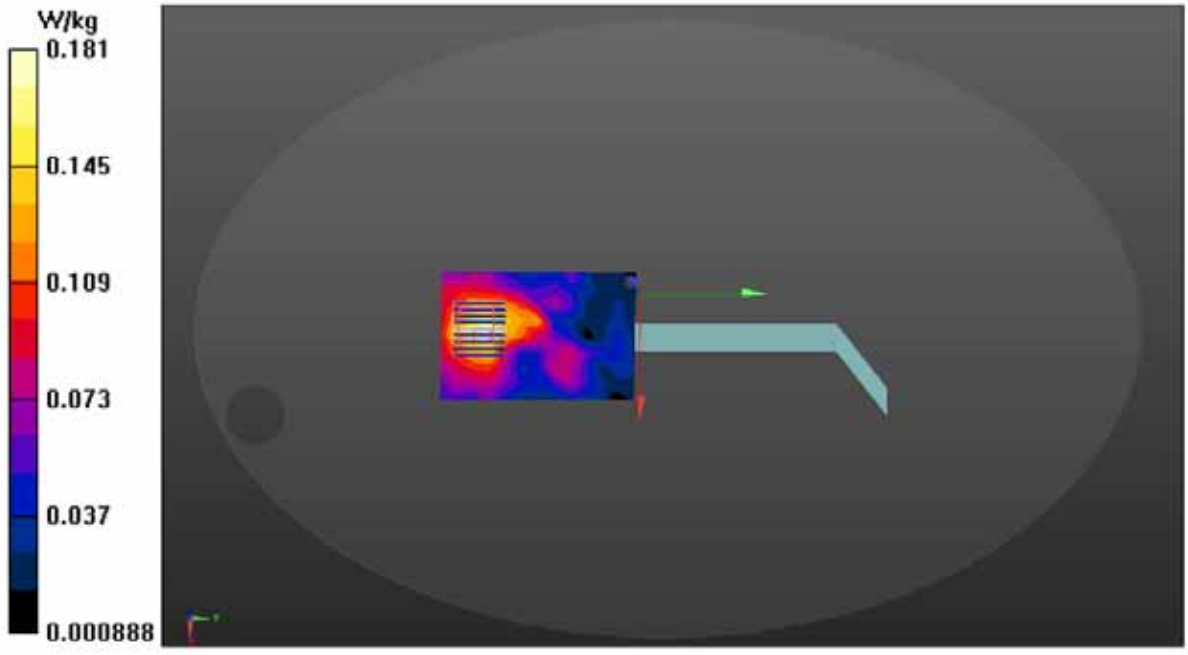
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5600 MHz;Duty Cycle:1:1.05
Medium parameters used: f = 5600 MHz; σ = 5.894 S/m; ε_r = 46.75; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.181 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.381 V/m; Power Drift = 1.67 dB
Peak SAR (extrapolated) = 0.337 W/kg
SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.065 W/kg
Maximum value of SAR (measured) = 0.193 W/kg



Date: 6/13/2016

Test Laboratory: Audix_SAR Lab

P27 Wi-Fi 802.11a CH 165 5825MHz Front

DUT: TC12A-W

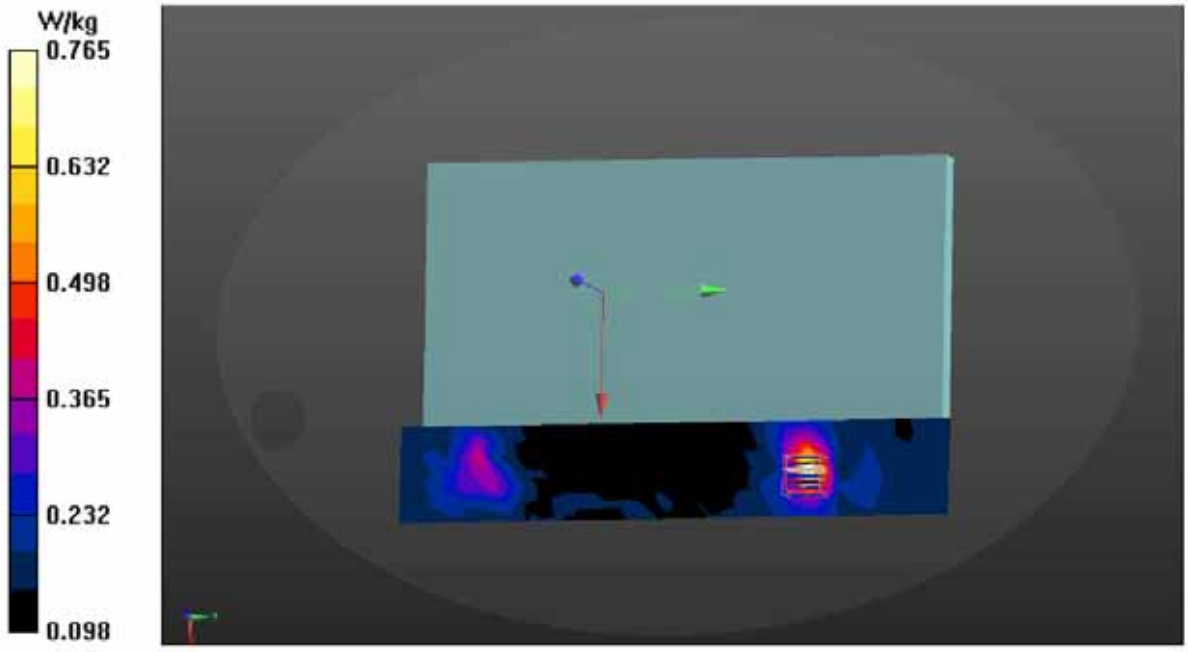
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5825 MHz;Duty Cycle:1:1.05
Medium parameters used: f = 5825 MHz; σ = 6.214 S/m; ε_r = 46.341; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.765 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.140 V/m; Power Drift = 0.28 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.315 W/kg
Maximum value of SAR (measured) = 0.788 W/kg



Date: 6/13/2016

Test Laboratory: Audix_SAR Lab

P28 Wi-Fi 802.11a CH 165 5825MHz Back

DUT: TC12A-W

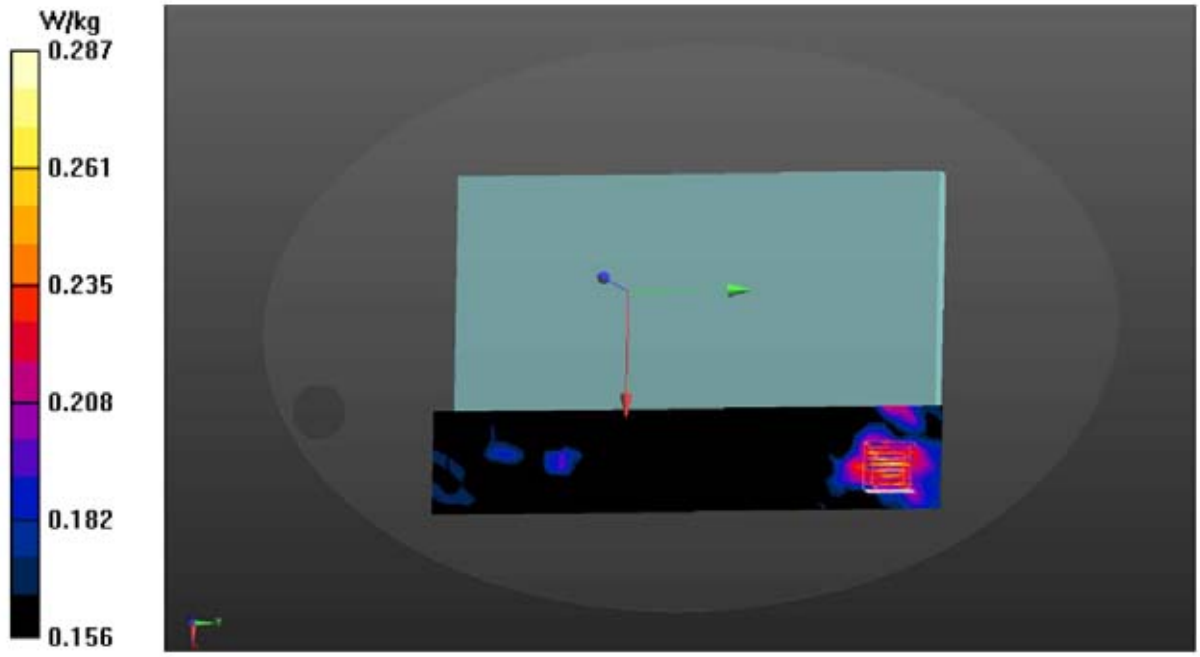
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5825 MHz;Duty Cycle:1:1.05
Medium parameters used: f = 5825 MHz; σ = 6.214 S/m; ε_r = 46.341; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (8x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.273 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.327 V/m; Power Drift = 1.91 dB
Peak SAR (extrapolated) = 0.383 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.221 W/kg
Maximum value of SAR (measured) = 0.287 W/kg



Date: 6/13/2016

Test Laboratory: Audix_SAR Lab

P29 Wi-Fi 802.11a CH 165 5825MHz Top

DUT: TC12A-W

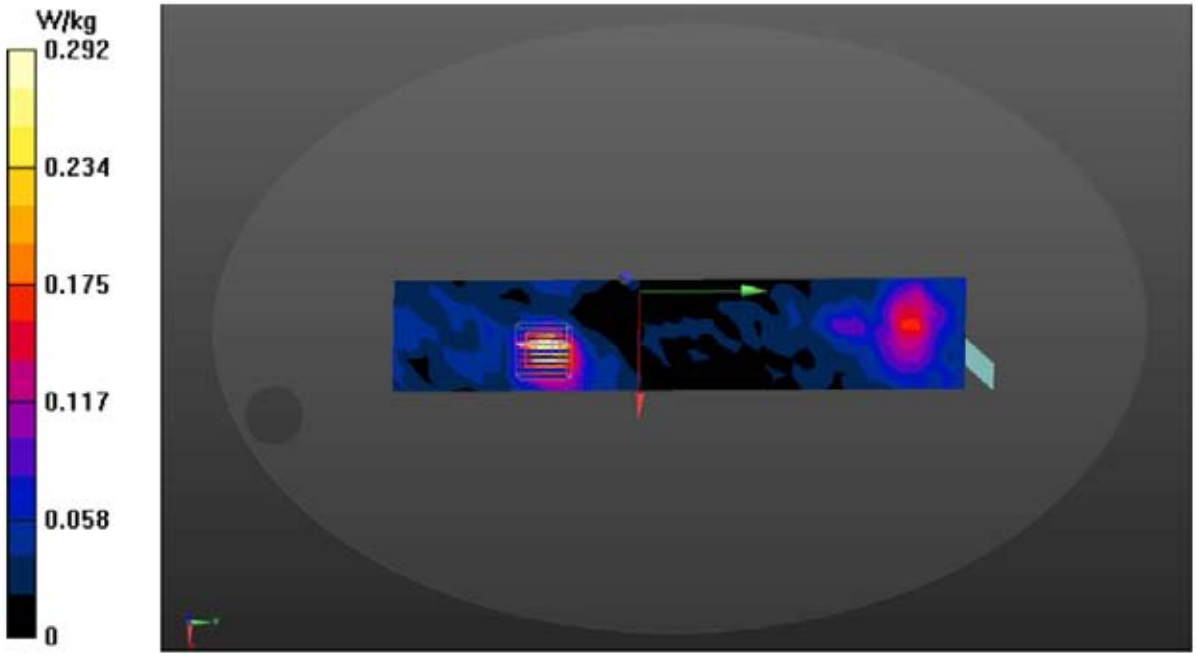
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5825 MHz;Duty Cycle:1:1.05
Medium parameters used: f = 5825 MHz; σ = 6.214 S/m; ε_r = 46.341; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (8x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.292 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.812 V/m; Power Drift = 1.90 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.103 W/kg
Maximum value of SAR (measured) = 0.323 W/kg



Date: 6/13/2016

Test Laboratory: Audix_SAR Lab

P30 Wi-Fi 802.11a CH 165 5825MHz Right

DUT: TC12A-W

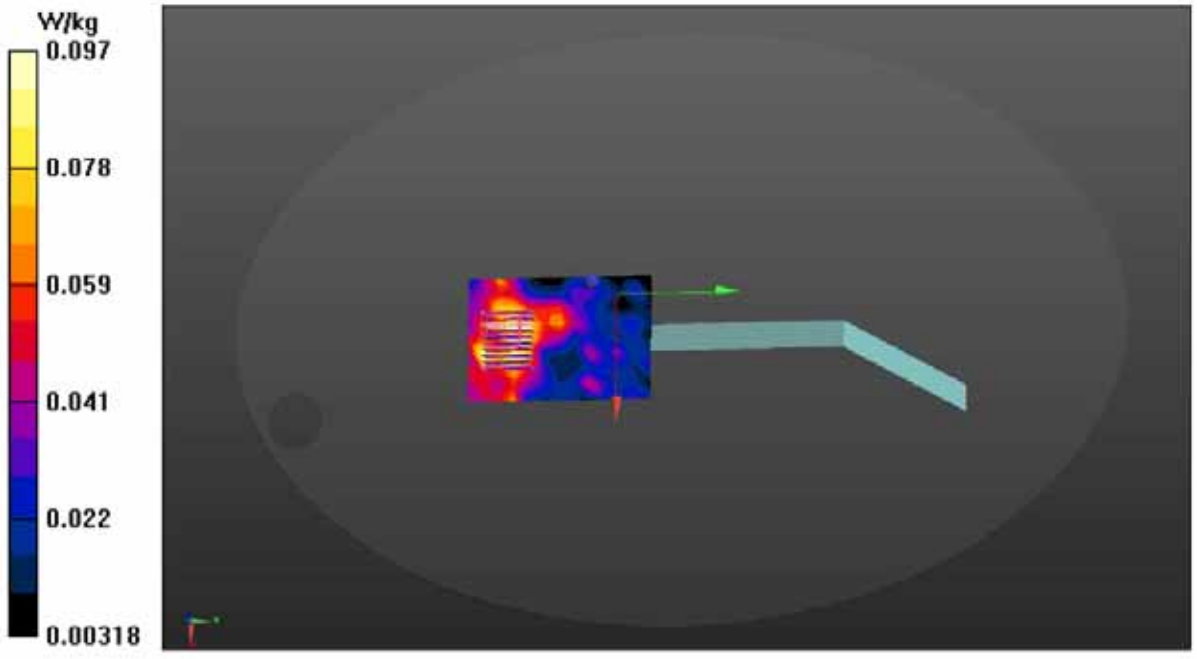
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5825 MHz;Duty Cycle:1:1.05
Medium parameters used: f = 5825 MHz; σ = 6.214 S/m; ε_r = 46.341; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.0966 W/kg

Zoom Scan (10x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.455 V/m; Power Drift = 0.43 dB
Peak SAR (extrapolated) = 0.174 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.108 W/kg



Test Date: 2016. 06. 04 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 06 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 15 Temperature : 23℃ Humidity : 25%

Liquid Temperature : 21.7℃					Depth of Liquid: **>** 15cm				
Test Mode: 5GHz									
Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency		Conducted power (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR	Limit (W/kg)
			Channel	MHz					
802.11ac-VHT20 (UNII Band I)									
Front	Fixed	0.5	48	5240	18.61	**0.544**	1.09	**0.60**	1.6
Back	Fixed	0.5	48	5240	18.61	0.322	1.09	0.35	1.6
Top	Fixed	0.5	48	5240	18.61	0.405	1.09	0.44	1.6
Right	Fixed	0.5	48	5240	18.61	0.136	1.09	0.15	1.6
Back With Case	Fixed	0	48	5240	18.61	0.175	1.09	0.19	1.6
802.11ac-VHT20 (UNII Band II-2A)									
Front	Fixed	0.5	52	5260	18.46	**0.612**	1.01	**0.62**	1.6
Back	Fixed	0.5	52	5260	18.46	0.311	1.01	0.31	1.6
Top	Fixed	0.5	52	5260	18.46	0.446	1.01	0.45	1.6
Right	Fixed	0.5	52	5260	18.46	0.133	1.01	0.13	1.6

Remark: The worst SAR was measured at 5 mm distance.

Date: 6/4/2016

Test Laboratory: Audix_SAR Lab

P15 Wi-Fi 802.11ac-VHT20 CH 48 5240MHz Front

DUT: TC12A-W

Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5240 MHz;Duty Cycle:1:1.47
Medium parameters used: f = 5240 MHz; σ = 5.394 S/m; ε_r = 47.514; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

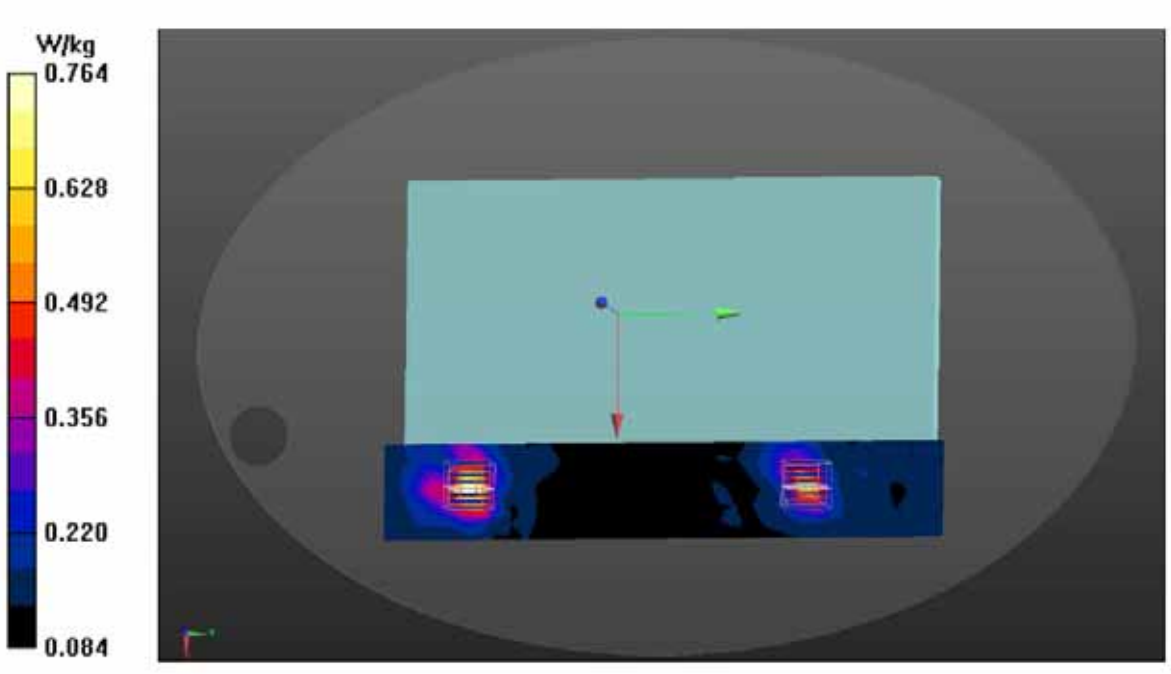
DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.764 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.197 V/m; Power Drift = 0.69 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.312 W/kg
Maximum value of SAR (measured) = 0.865 W/kg

Zoom Scan (8x8x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.197 V/m; Power Drift = 0.69 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.270 W/kg
Maximum value of SAR (measured) = 0.689 W/kg



Date: 6/4/2016

Test Laboratory: Audix_SAR Lab

P16 Wi-Fi 802.11ac-VHT20 CH 48 5240MHz Back

DUT: TC12A-W

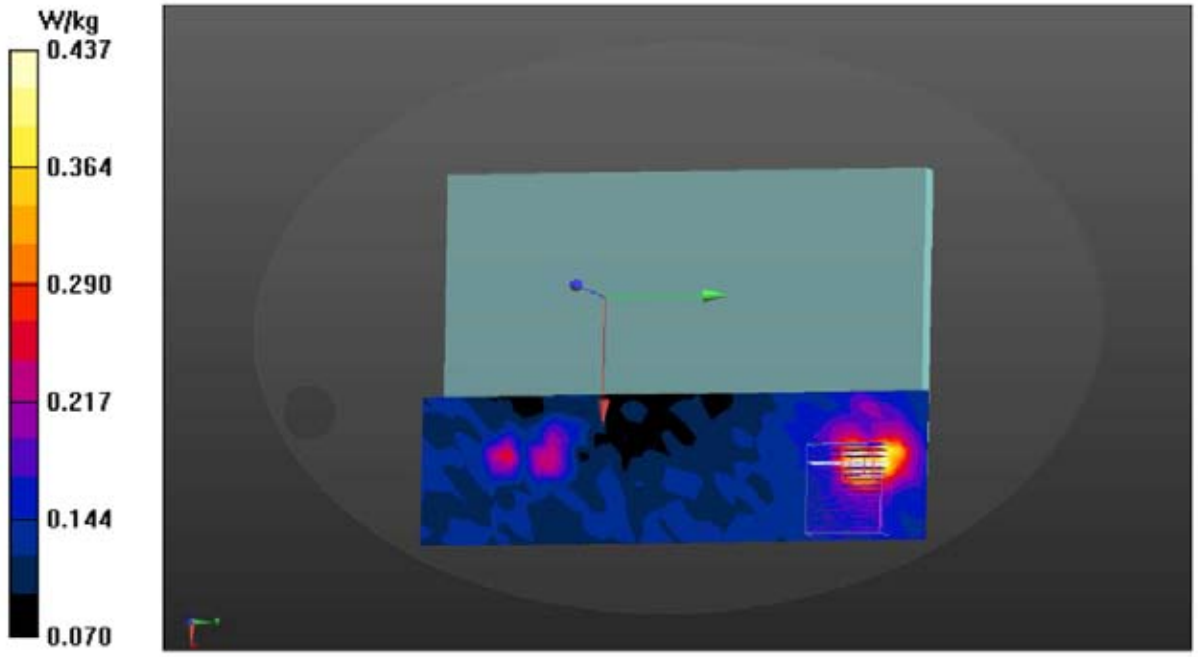
Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5240 MHz;Duty Cycle:1:1
Medium parameters used: f = 5240 MHz; σ = 5.394 S/m; ε_r = 47.514; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (11x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.437 W/kg

Zoom Scan (16x14x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.769 V/m; Power Drift = 0.32 dB
Peak SAR (extrapolated) = 0.657 W/kg
SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.232 W/kg
Maximum value of SAR (measured) = 0.441 W/kg



Date: 6/4/2016

Test Laboratory: Audix_SAR Lab

P17 Wi-Fi 802.11ac-VHT20 CH 48 5240MHz Top

DUT: TC12A-W

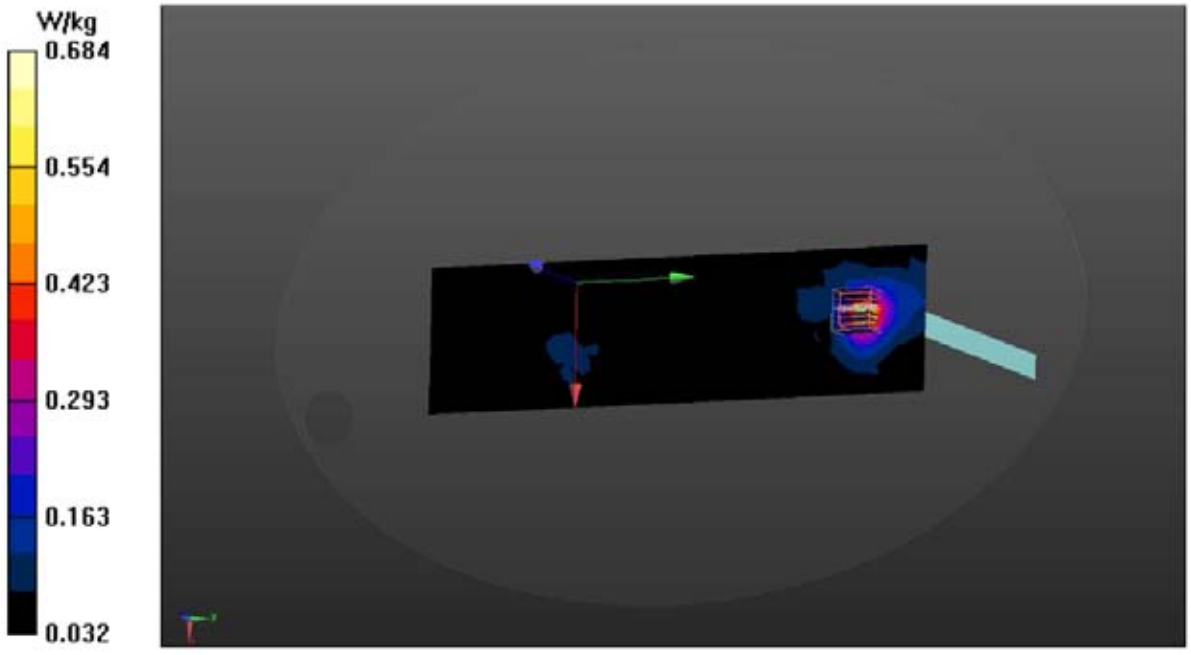
Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5240 MHz;Duty Cycle:1:1.47
Medium parameters used: f = 5240 MHz; σ = 5.394 S/m; ε_r = 47.514; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (11x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.568 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.743 V/m; Power Drift = 1.71 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.684 W/kg



Date: 6/4/2016

Test Laboratory: Audix_SAR Lab

P18 Wi-Fi 802.11ac-VHT20 CH 48 5240MHz Right

DUT: TC12A-W

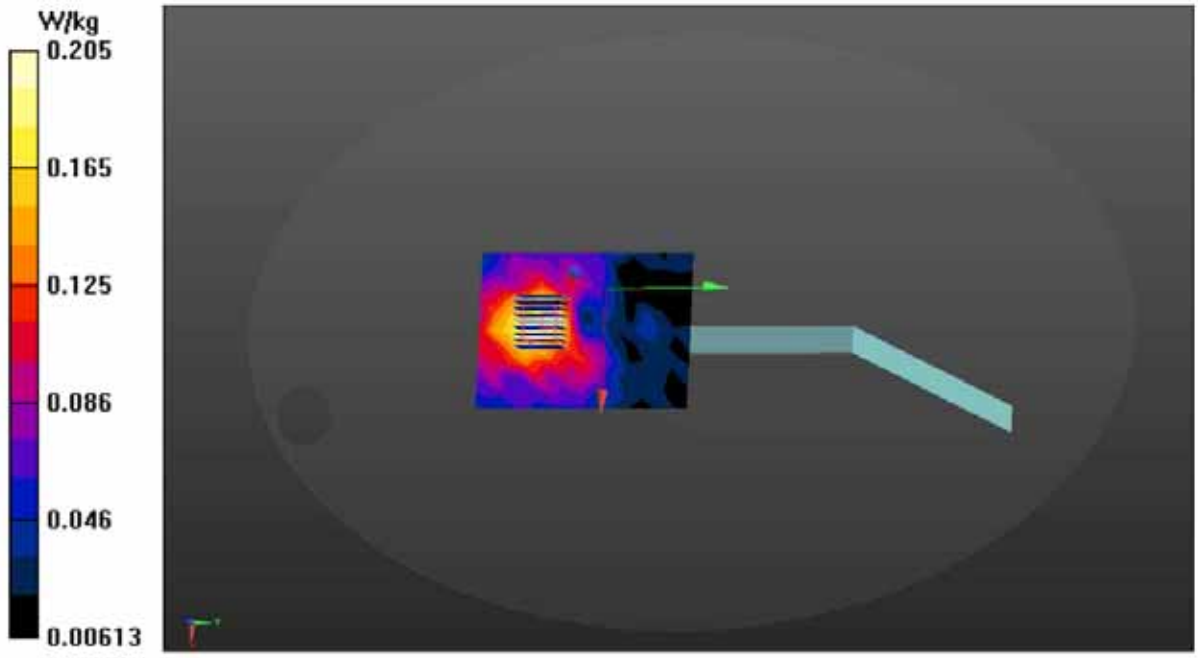
Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5240 MHz;Duty Cycle:1:1.47
Medium parameters used: f = 5240 MHz; σ = 5.394 S/m; ε_r = 47.514; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.205 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.258 V/m; Power Drift = 1.17 dB
Peak SAR (extrapolated) = 0.430 W/kg
SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.073 W/kg
Maximum value of SAR (measured) = 0.222 W/kg



Date: 6/15/2016

Test Laboratory: Audix_SAR Lab

P63 Wi-Fi 802.11ac-VHT20 CH 48 5240MHz Back

DUT: TC12A-W

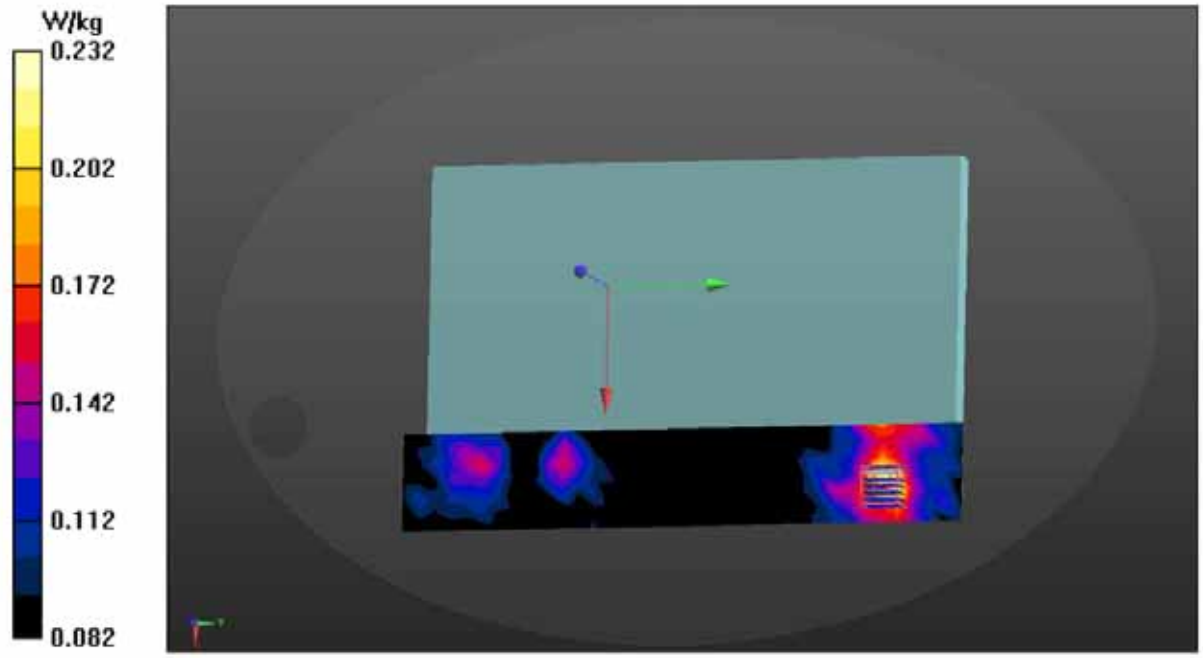
Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5240 MHz;Duty Cycle:1:1.47
Medium parameters used: f = 5240 MHz; σ = 5.41 S/m; ε_r = 47.432; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.220 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.975 V/m; Power Drift = 1.71 dB
Peak SAR (extrapolated) = 0.367 W/kg
SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.136 W/kg
Maximum value of SAR (measured) = 0.232 W/kg



Date: 6/6/2016

Test Laboratory: Audix_SAR Lab

P22 Wi-Fi 802.11ac-VHT20 CH 52 5260MHz Front

DUT: TC12A-W

Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5260 MHz;Duty Cycle:1:1.47
Medium parameters used: f = 5260 MHz; σ = 5.419 S/m; ε_r = 47.452; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

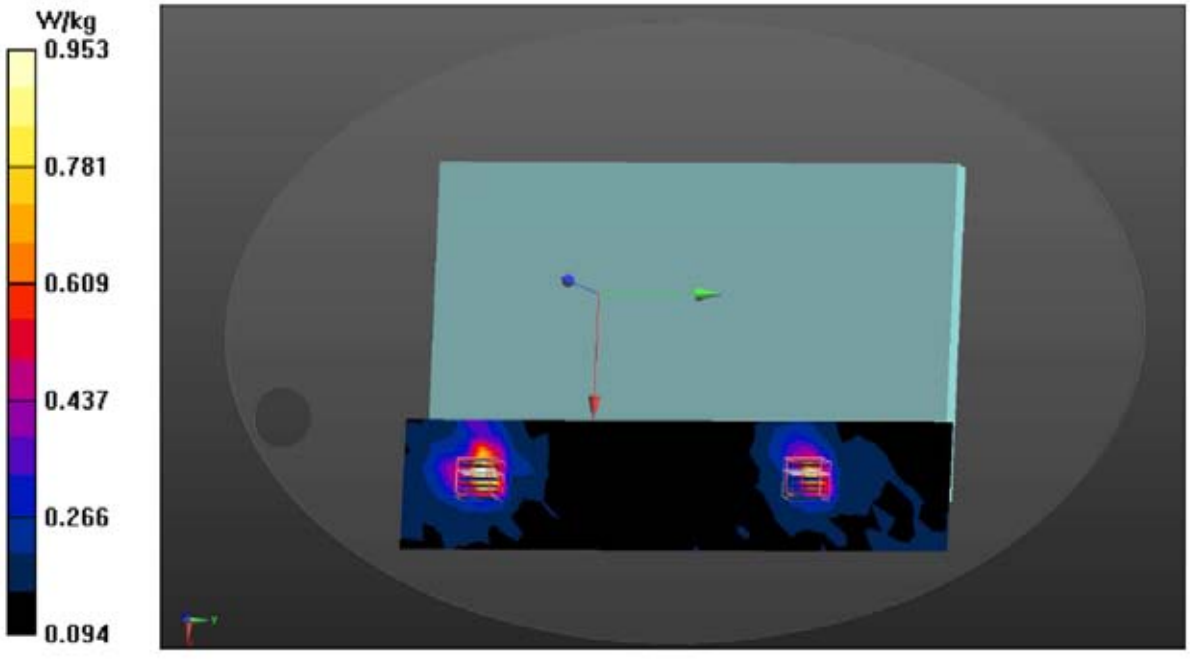
DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.953 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.217 V/m; Power Drift = 1.12 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.335 W/kg
Maximum value of SAR (measured) = 0.964 W/kg

Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.217 V/m; Power Drift = 1.12 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.293 W/kg
Maximum value of SAR (measured) = 0.808 W/kg



Date: 6/6/2016

Test Laboratory: Audix_SAR Lab

P21 Wi-Fi 802.11ac-VHT20 CH 52 5260MHz Back

DUT: TC12A-W

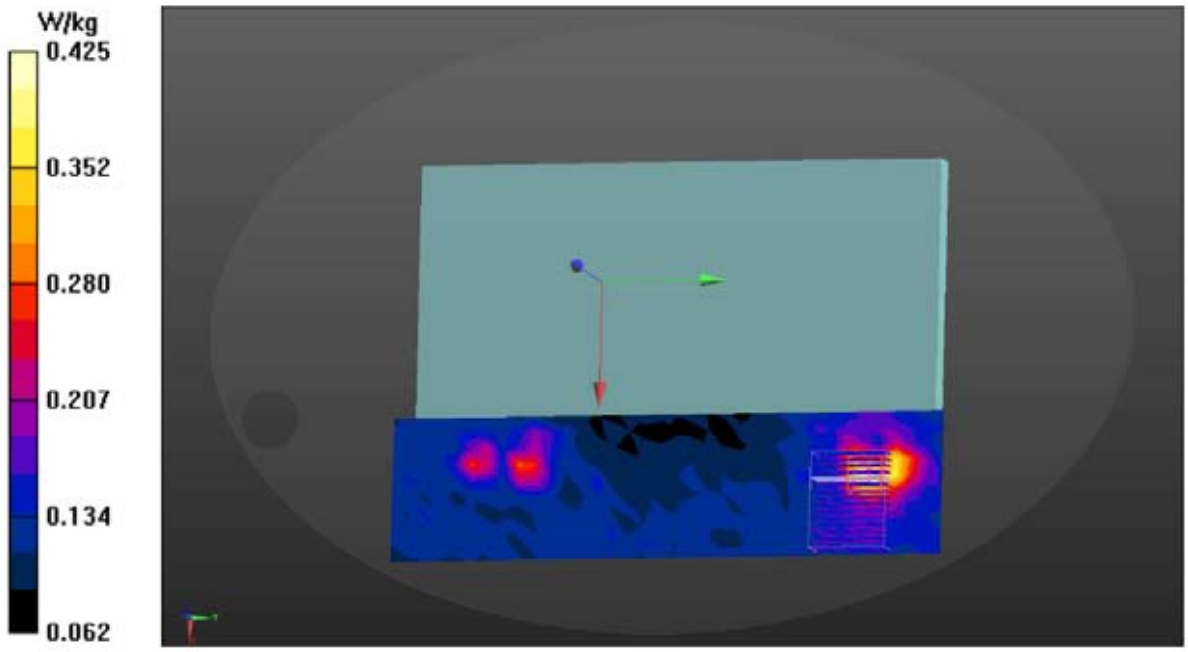
Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5260 MHz;Duty Cycle:1:1.47
Medium parameters used: f = 5260 MHz; σ = 5.419 S/m; ε_r = 47.452; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (10x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.425 W/kg

Zoom Scan (16x13x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.639 V/m; Power Drift = 0.56 dB
Peak SAR (extrapolated) = 0.766 W/kg
SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.218 W/kg
Maximum value of SAR (measured) = 0.428 W/kg



Date: 6/6/2016

Test Laboratory: Audix_SAR Lab

P20 Wi-Fi 802.11ac-VHT20 CH 52 5260MHz Top

DUT: TC12A-W

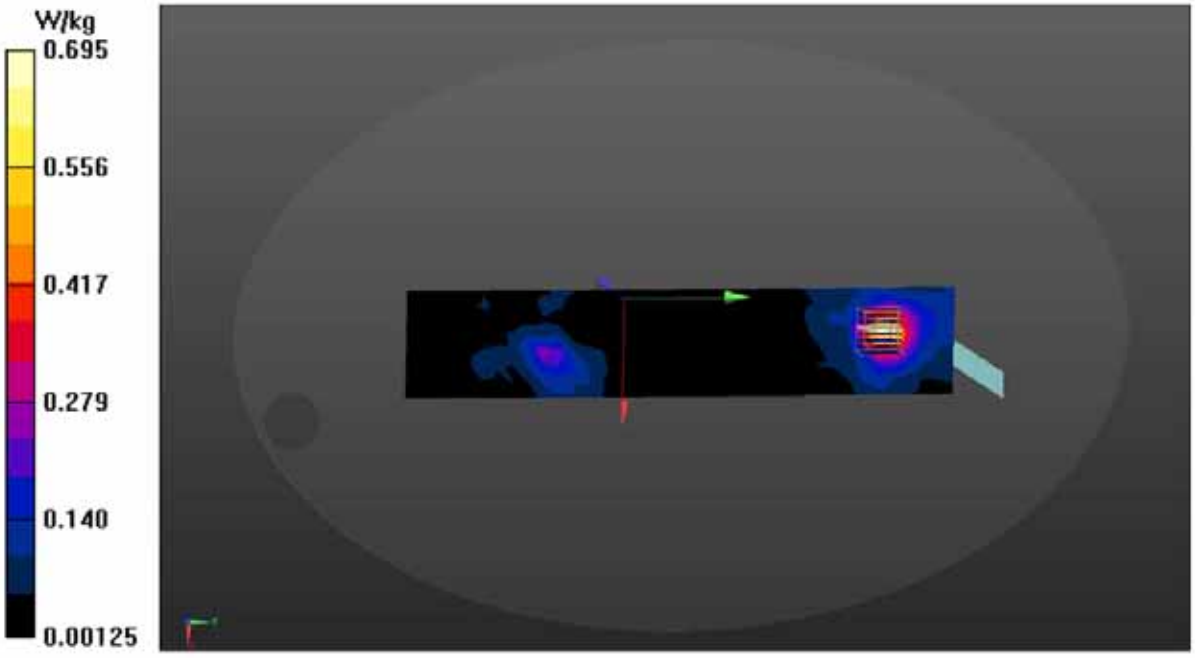
Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5260 MHz;Duty Cycle:1:1.47
Medium parameters used: f = 5260 MHz; σ = 5.419 S/m; ε_r = 47.452; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (8x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.695 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.271 V/m; Power Drift = 7.61 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.195 W/kg
Maximum value of SAR (measured) = 0.779 W/kg



Date: 6/6/2016

Test Laboratory: Audix_SAR Lab

P19 Wi-Fi 802.11ac-VHT20 CH 52 5260MHz Right

DUT: TC12A-W

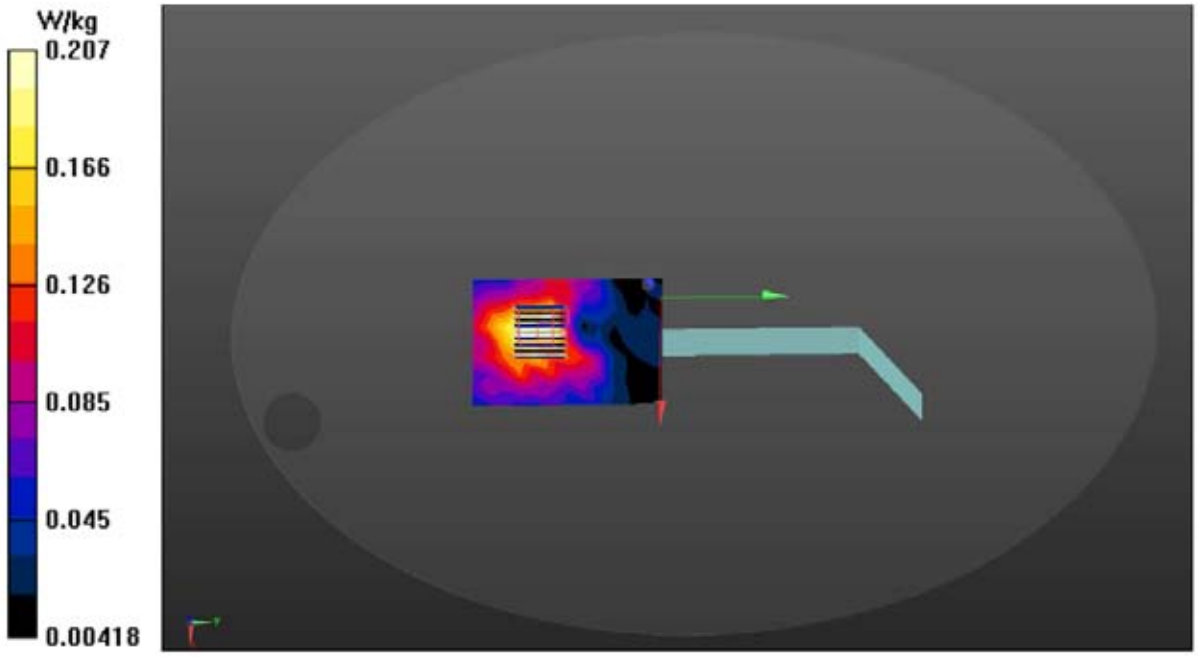
Communication System: UID 0, WIFI 5G 802.11VHT_20 (0); Frequency: 5260 MHz;Duty Cycle:1:1.47
Medium parameters used: f = 5260 MHz; σ = 5.419 S/m; ε_r = 47.452; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.207 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.617 V/m; Power Drift = -1.47 dB
Peak SAR (extrapolated) = 0.445 W/kg
SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.222 W/kg



Test Date: 2016. 06. 04 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 07 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 08 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 14 Temperature : 23℃ Humidity : 25%

Liquid Temperature : 21.7℃					Depth of Liquid: **>** 15cm				
Test Mode: 5GHz									
Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency		Conducted power (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR	Limit (W/kg)
			Channel	MHz					
802.11ac-VHT40 (UNII Band I)									
Front	Fixed	0.5	46	5230	19.29	**0.441**	1.05	**0.46**	1.6
Back	Fixed	0.5	46	5230	19.29	0.243	1.05	0.26	1.6
Top	Fixed	0.5	46	5230	19.29	0.392	1.05	0.41	1.6
Right	Fixed	0.5	46	5230	19.29	0.160	1.05	0.17	1.6
802.11ac-VHT40 (UNII Band II-2A)									
Front	Fixed	0.5	54	5270	19.02	0.429	1.12	0.48	1.6
Back	Fixed	0.5	54	5270	19.02	0.233	1.12	0.26	1.6
Top	Fixed	0.5	54	5270	19.02	**0.444**	1.12	**0.50**	1.6
Right	Fixed	0.5	54	5270	19.02	0.148	1.12	0.17	1.6
802.11ac-VHT40 (UNII Band II-2C)									
Front	Fixed	0.5	118	5590	19.12	**0.495**	1.09	**0.54**	1.6
Back	Fixed	0.5	118	5590	19.12	0.302	1.09	0.33	1.6
Top	Fixed	0.5	118	5590	19.12	0.347	1.09	0.38	1.6
Right	Fixed	0.5	118	5590	19.12	0.177	1.09	0.19	1.6
802.11ac-VHT40 (UNII Band III)									
Front	Fixed	0.5	159	5795	18.79	**0.453**	1.05	**0.48**	1.6
Back	Fixed	0.5	159	5795	18.79	0.219	1.05	0.23	1.6
Top	Fixed	0.5	159	5795	18.79	0.225	1.05	0.24	1.6
Right	Fixed	0.5	159	5795	18.79	0.058	1.05	0.06	1.6

Remark: The worst SAR was measured at 5 mm distance.

Date: 6/4/2016

Test Laboratory: Audix_SAR Lab

P31 Wi-Fi 802.11ac-VHT40 CH 46 5230MHz Front

DUT: TC12A-W

Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5230 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5230 MHz; σ = 5.383 S/m; ε_r = 47.536; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

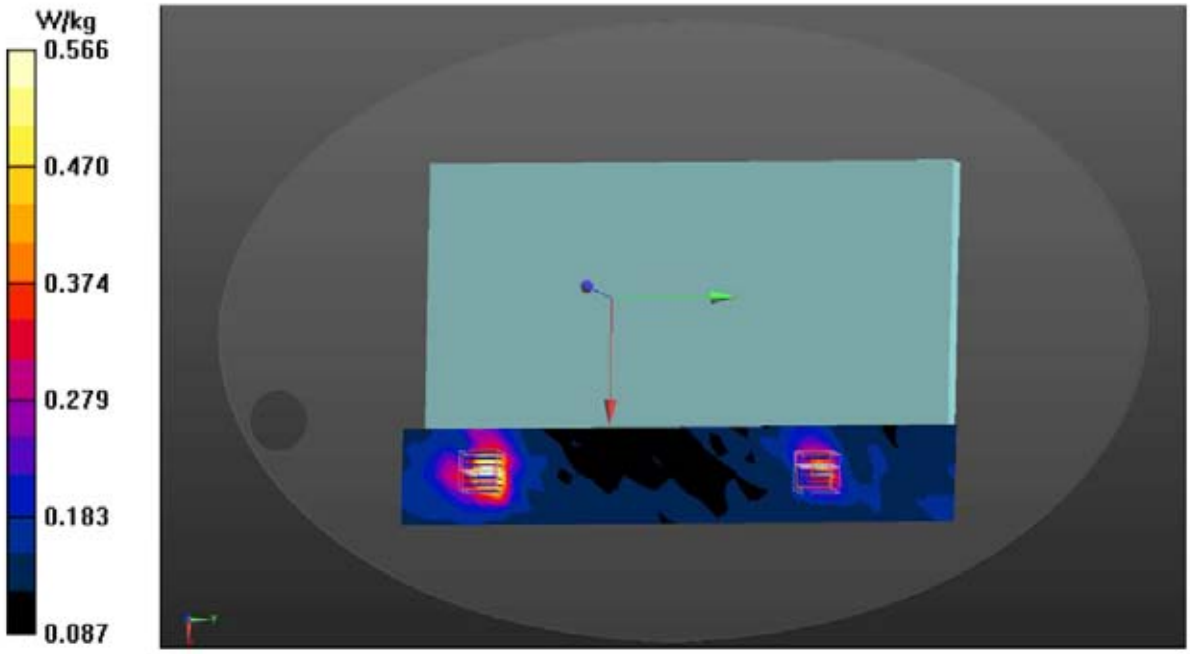
DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.566 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.618 V/m; Power Drift = 1.33 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.275 W/kg
Maximum value of SAR (measured) = 0.652 W/kg

Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.618 V/m; Power Drift = 1.33 dB
Peak SAR (extrapolated) = 0.982 W/kg
SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.223 W/kg
Maximum value of SAR (measured) = 0.461 W/kg



Date: 6/4/2016

Test Laboratory: Audix_SAR Lab

P32 Wi-Fi 802.11ac-VHT40 CH 46 5230MHz Back

DUT: TC12A-W

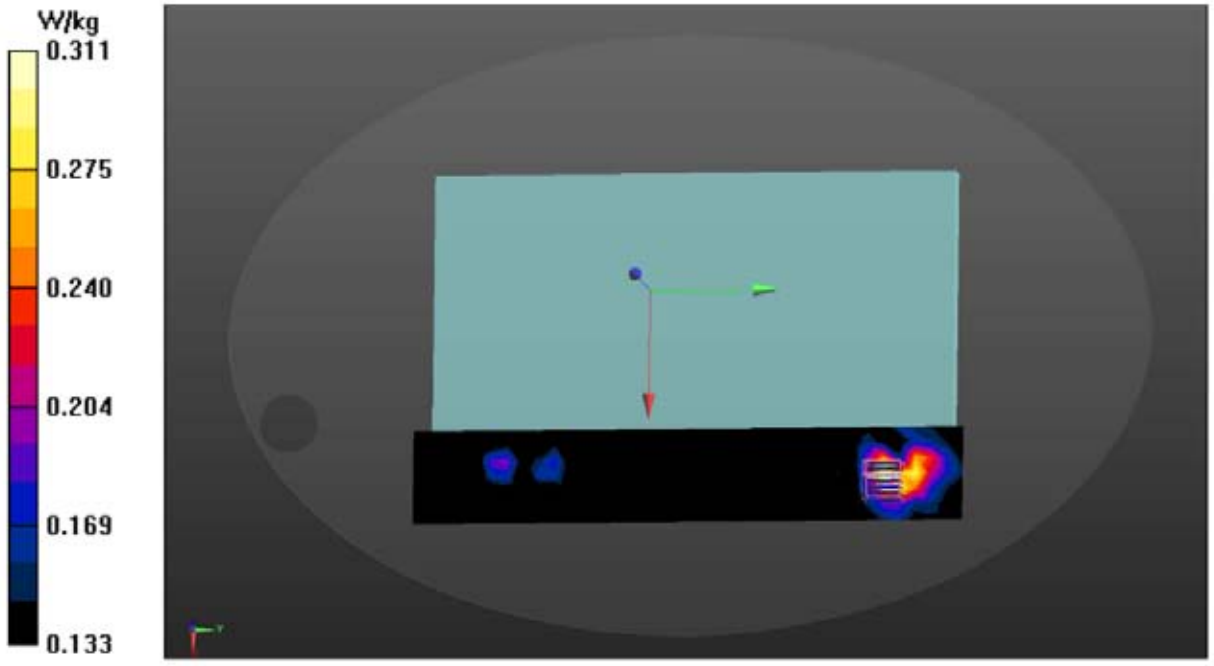
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5230 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5230 MHz; σ = 5.383 S/m; ε_r = 47.536; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.305 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.987 V/m; Power Drift = 1.43 dB
Peak SAR (extrapolated) = 0.532 W/kg
SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.311 W/kg



Date: 6/4/2016

Test Laboratory: Audix_SAR Lab

P33 Wi-Fi 802.11ac-VHT40 CH 46 5230MHz Top

DUT: TC12A-W

Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5230 MHz;Duty Cycle:1:1.82

Medium parameters used: f = 5230 MHz; σ = 5.383 S/m; ε_r = 47.536; ρ = 1000 kg/m^3

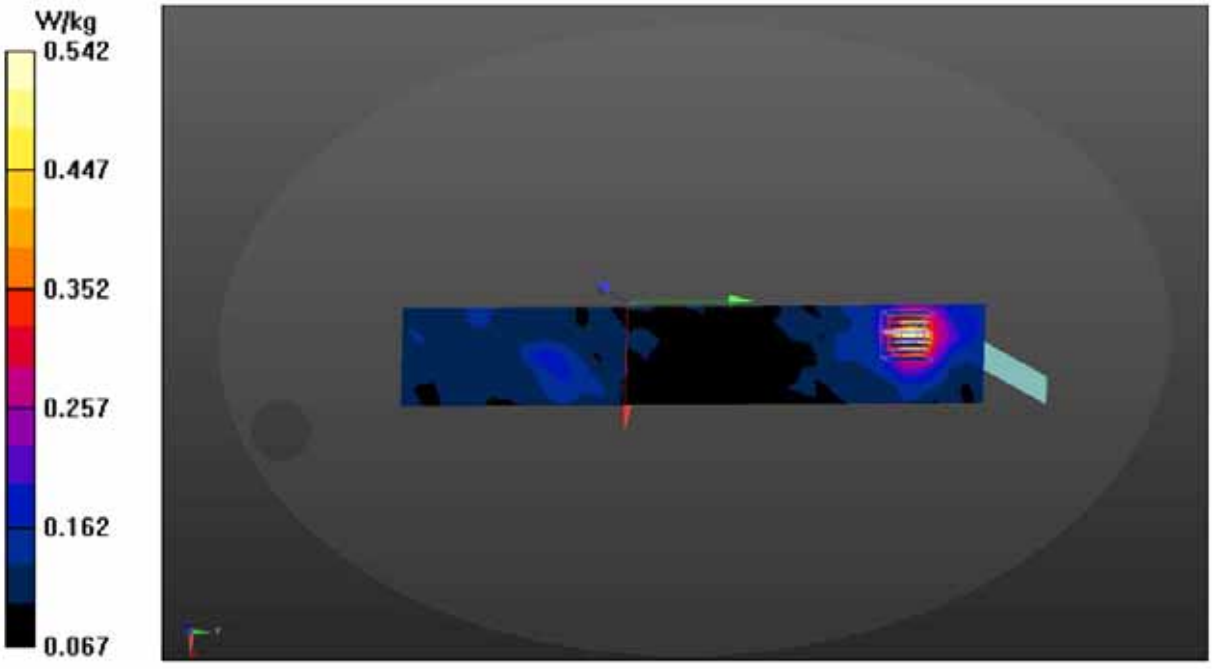
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.542 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.800 V/m; Power Drift = 1.05 dB
Peak SAR (extrapolated) = 0.987 W/kg
SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.230 W/kg
Maximum value of SAR (measured) = 0.585 W/kg



Date: 6/4/2016

Test Laboratory: Audix_SAR Lab

P34 Wi-Fi 802.11ac-VHT40 CH 46 5230MHz Right

DUT: TC12A-W

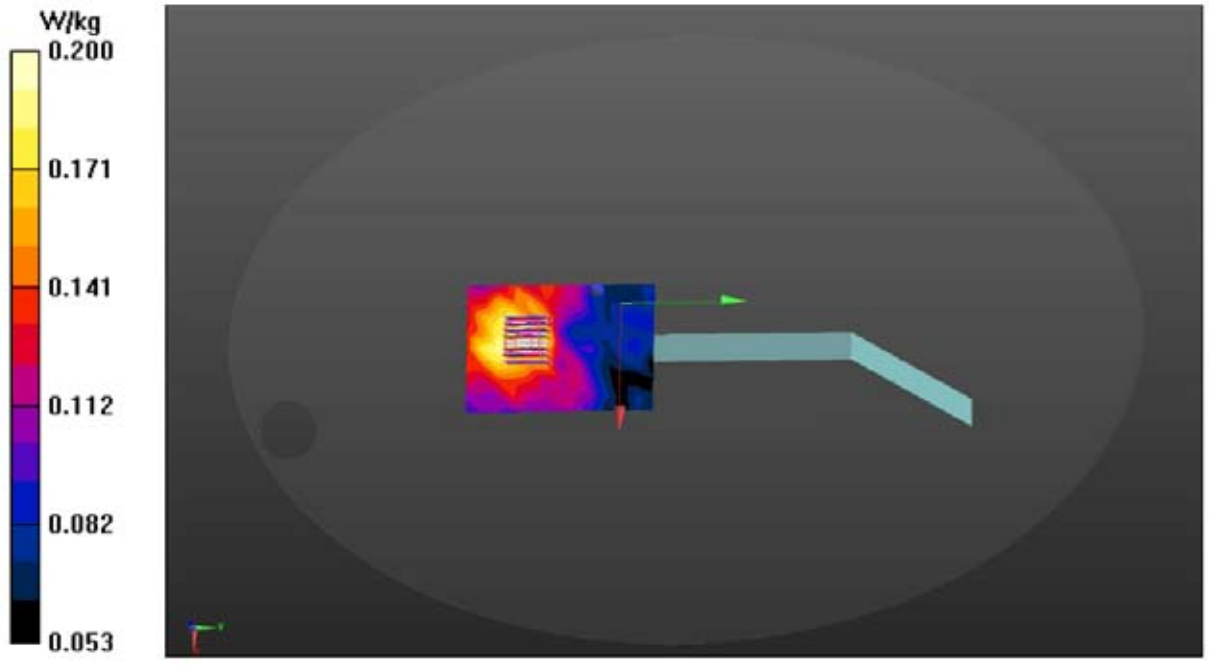
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5230 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5230 MHz; σ = 5.383 S/m; ε_r = 47.536; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.200 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.248 V/m; Power Drift = 1.67 dB
Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.124 W/kg
Maximum value of SAR (measured) = 0.211 W/kg



Date: 6/7/2016

Test Laboratory: Audix_SAR Lab

P35 Wi-Fi 802.11ac-VHT40 CH 54 5270MHz Front

DUT: TC12A-W

Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5270 MHz;Duty Cycle:1:1
Medium parameters used: f = 5270 MHz; σ = 5.435 S/m; ε_r = 47.419; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

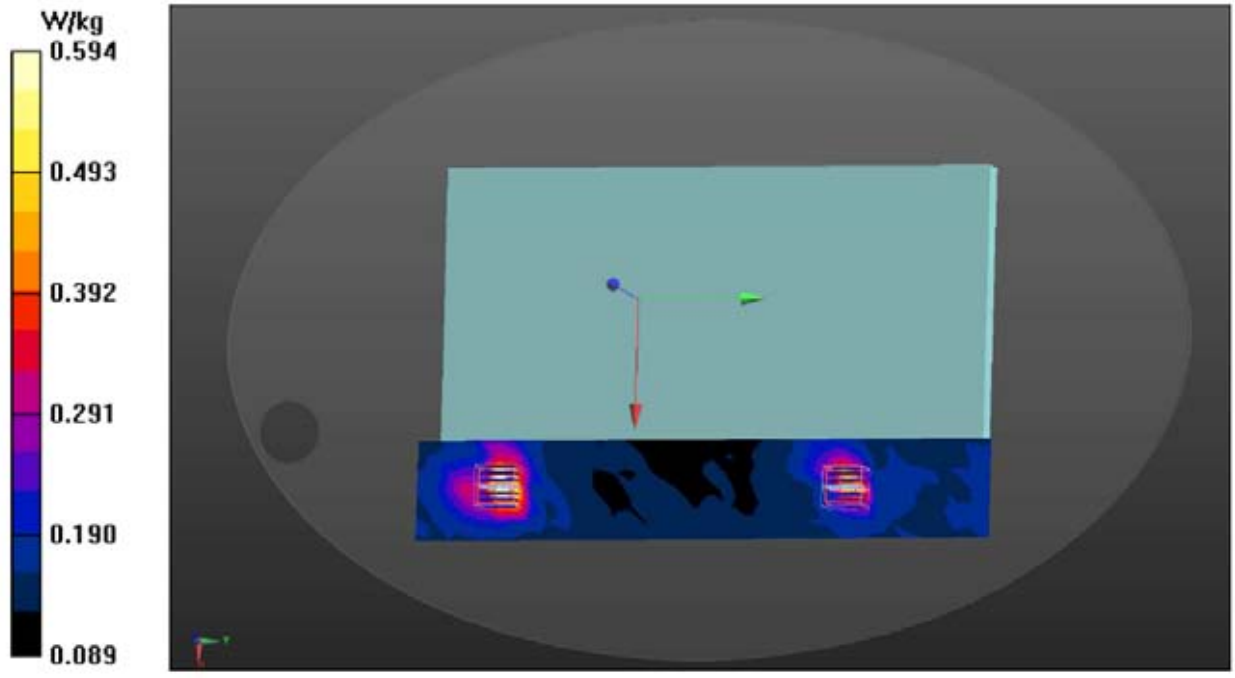
DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.594 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.195 V/m; Power Drift = 0.68 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.281 W/kg
Maximum value of SAR (measured) = 0.632 W/kg

Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.195 V/m; Power Drift = 0.68 dB
Peak SAR (extrapolated) = 0.946 W/kg
SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.242 W/kg
Maximum value of SAR (measured) = 0.504 W/kg



Date: 6/7/2016

Test Laboratory: Audix_SAR Lab

P36 Wi-Fi 802.11ac-VHT40 CH 54 5270MHz Back

DUT: TC12A-W

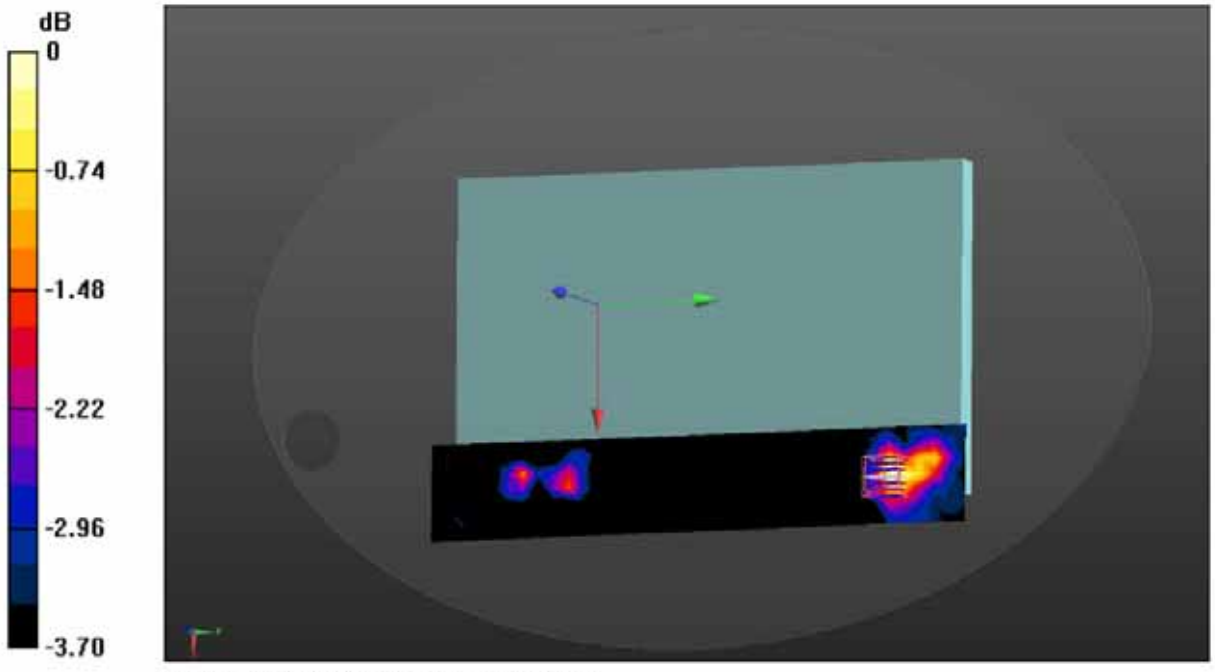
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5270 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5270 MHz; σ = 5.435 S/m; ε_r = 47.419; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.312 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.960 V/m; Power Drift = 1.89 dB
Peak SAR (extrapolated) = 0.439 W/kg
SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.188 W/kg
Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg = -5.11 dBW/kg

Date: 6/7/2016

Test Laboratory: Audix_SAR Lab

P37 Wi-Fi 802.11ac-VHT40 CH 54 5270MHz Top

DUT: TC12A-W

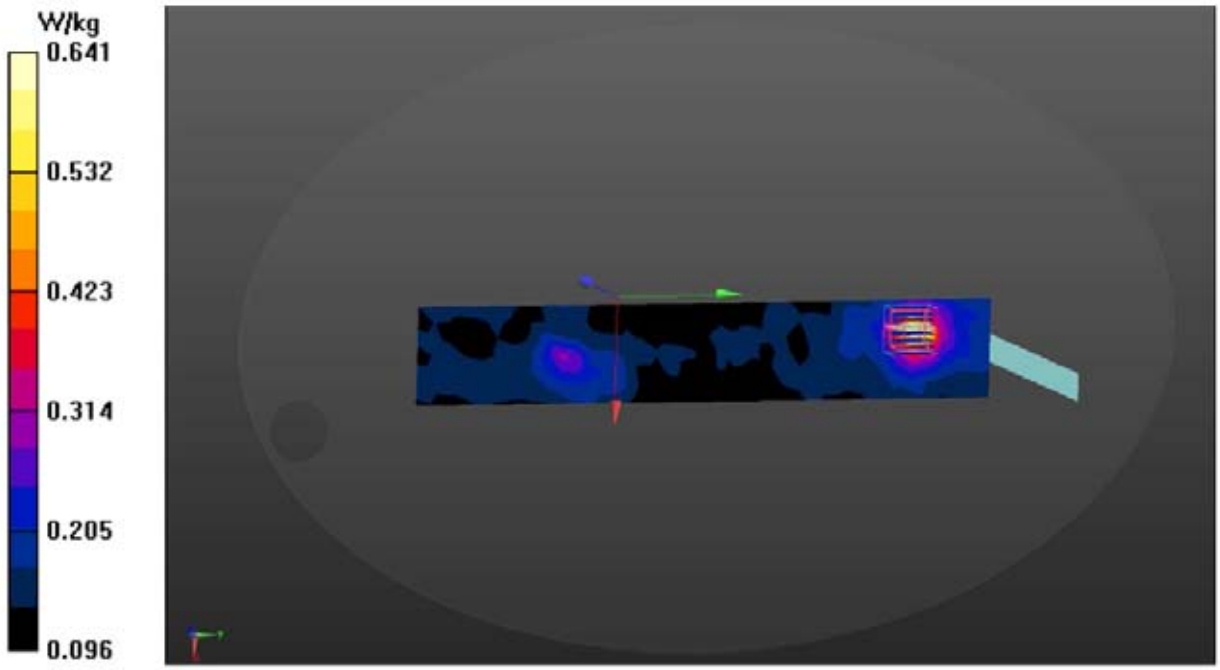
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5270 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5270 MHz; σ = 5.435 S/m; ε_r = 47.419; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.641 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.697 V/m; Power Drift = 1.36 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.277 W/kg
Maximum value of SAR (measured) = 0.664 W/kg



Date/e: 6/7/2016

Test Laboratory: Audix_SAR Lab

P38 Wi-Fi 802.11ac-VHT40 CH 54 5270MHz Right

DUT: TC12A-W

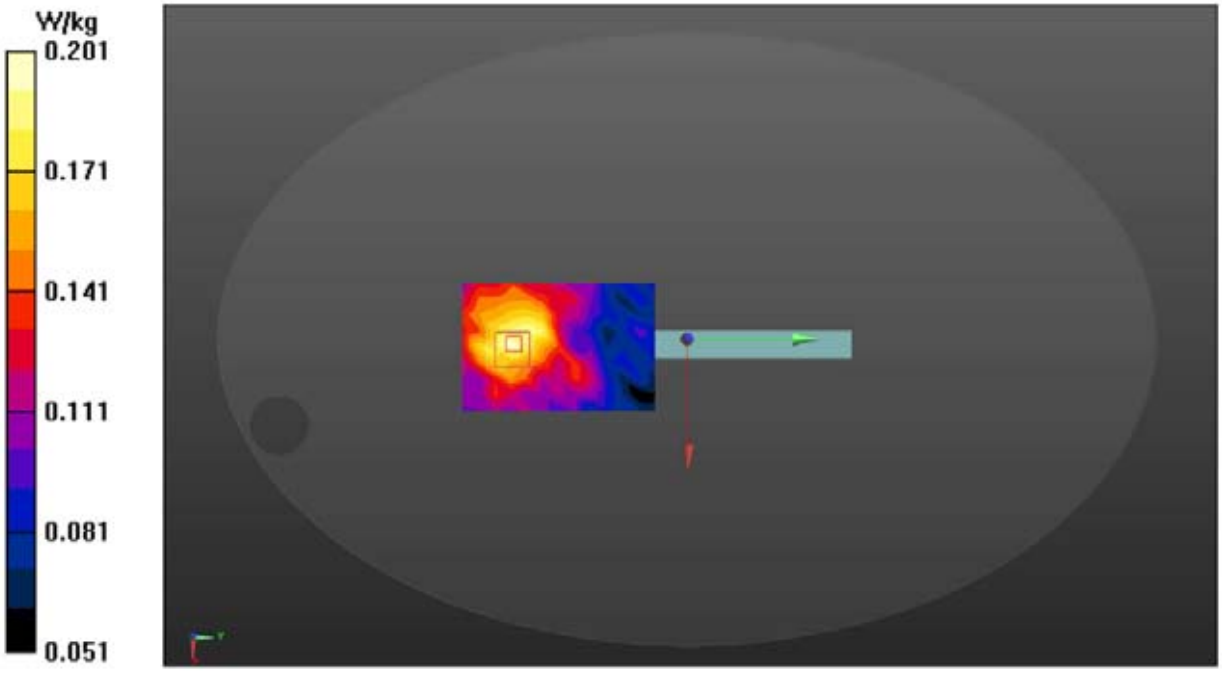
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5230 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5230 MHz; σ = 5.383 S/m; ε_r = 47.536; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.201 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.619 V/m; Power Drift = 0.42 dB
Peak SAR (extrapolated) = 0.316 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.121 W/kg
Maximum value of SAR (measured) = 0.196 W/kg



Date: 6/8/2016

Test Laboratory: Audix_SAR Lab

P39 Wi-Fi 802.11ac-VHT40 CH 118 5590MHz Front

DUT: TC12A-W

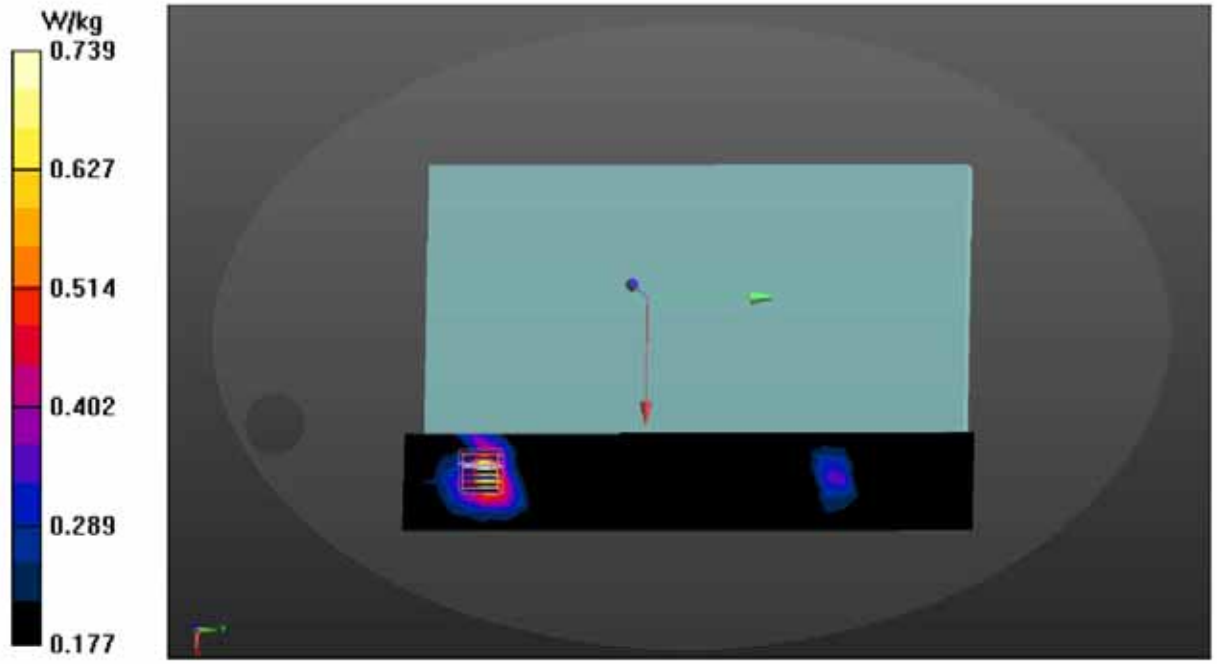
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5590 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5590 MHz; σ = 5.875 S/m; ε_r = 46.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.735 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.493 V/m; Power Drift = 1.62 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.324 W/kg
Maximum value of SAR (measured) = 0.739 W/kg



Date: 6/8/2016

Test Laboratory: Audix_SAR Lab

P40 Wi-Fi 802.11ac-VHT40 CH 118 5590MHz Back

DUT: TC12A-W

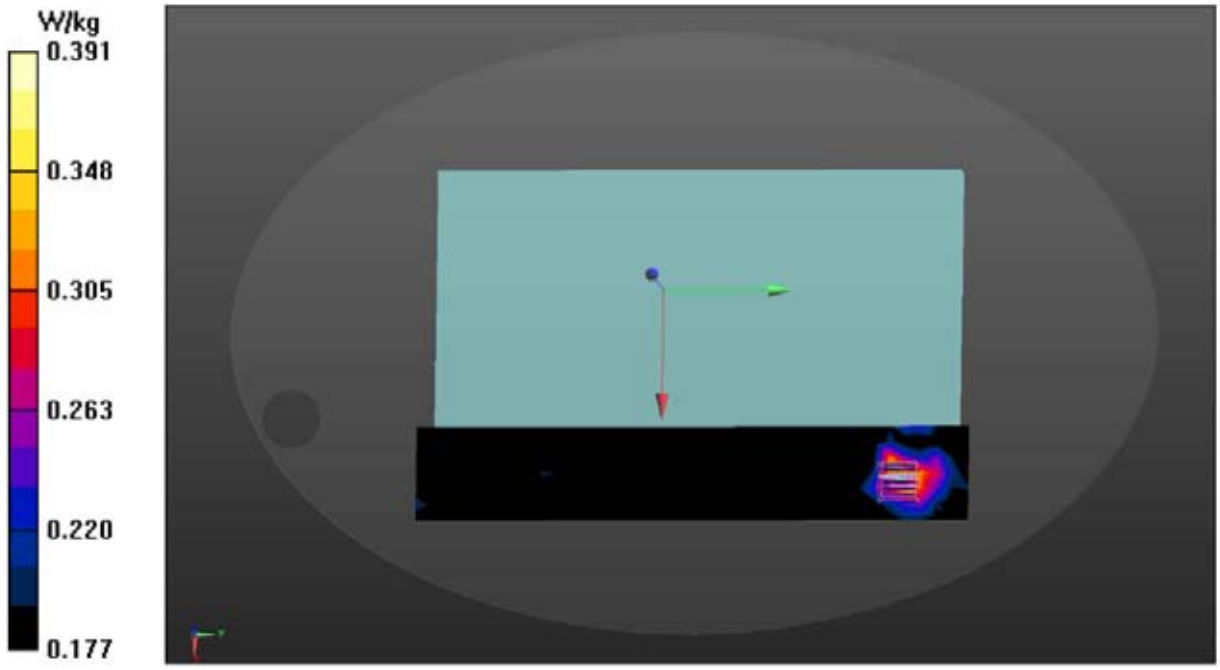
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5590 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5590 MHz; σ = 5.875 S/m; ε_r = 46.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.351 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.544 V/m; Power Drift = 1.68 dB
Peak SAR (extrapolated) = 0.721 W/kg
SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.251 W/kg
Maximum value of SAR (measured) = 0.391 W/kg



Date: 6/8/2016

Test Laboratory: Audix_SAR Lab

P41 Wi-Fi 802.11ac-VHT40 CH 118 5590MHz Top

DUT: TC12A-W

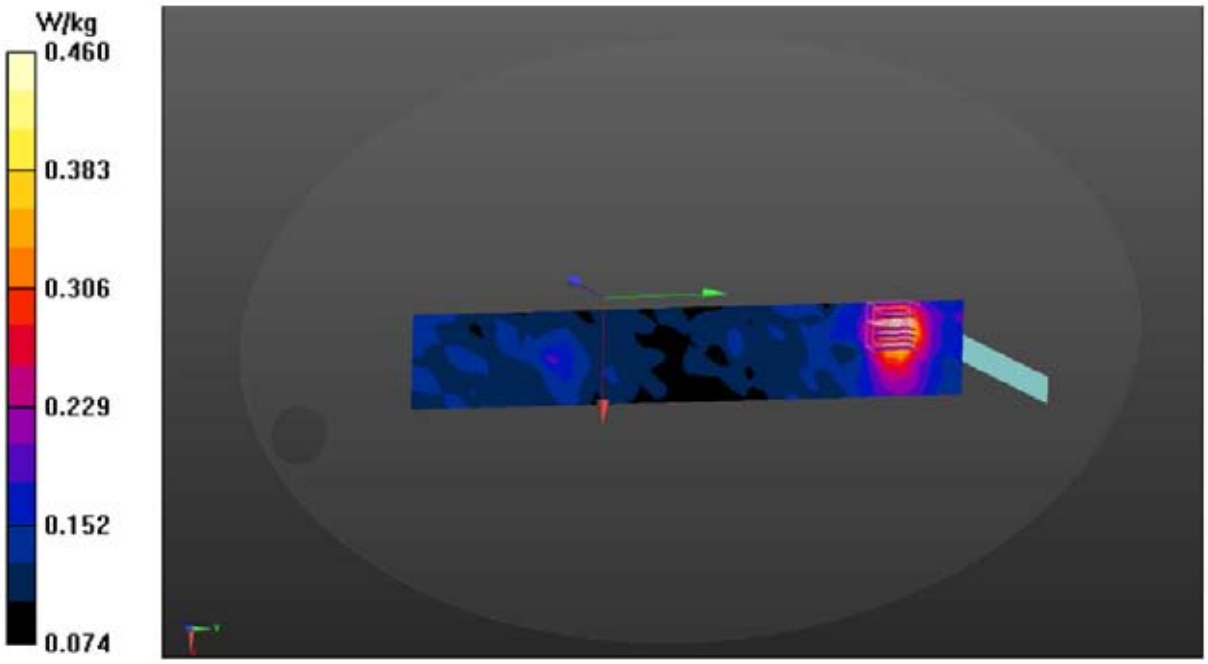
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5590 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5590 MHz; σ = 5.875 S/m; ε_r = 46.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.460 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.836 V/m; Power Drift = 0.68 dB
Peak SAR (extrapolated) = 0.732 W/kg
SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.262 W/kg
Maximum value of SAR (measured) = 0.486 W/kg



Date: 6/8/2016

Test Laboratory: Audix_SAR Lab

P42 Wi-Fi 802.11ac-VHT40 CH 118 5590MHz Right

DUT: TC12A-W

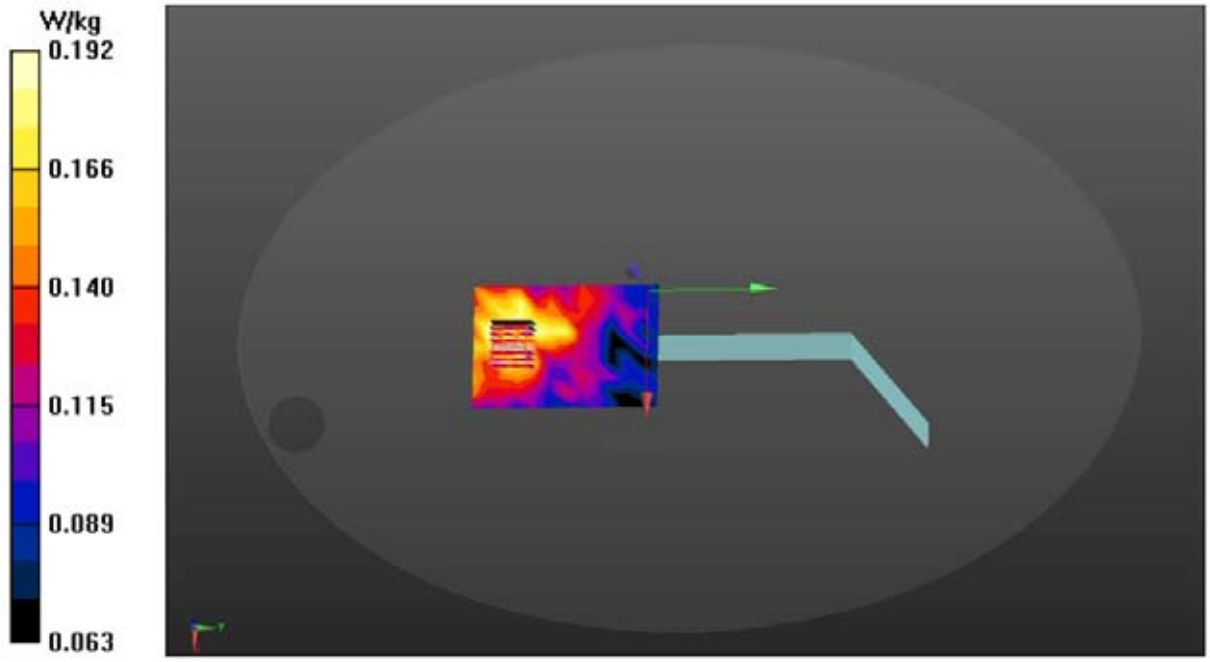
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5590 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5590 MHz; σ = 5.875 S/m; ε_r = 46.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.192 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.686 V/m; Power Drift = -1.89 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.149 W/kg
Maximum value of SAR (measured) = 0.215 W/kg



Date: 6/14/2016

Test Laboratory: Audix_SAR Lab

P43 Wi-Fi 802.11ac-VHT40 CH 159 5795MHz Front

DUT: TC12A-W

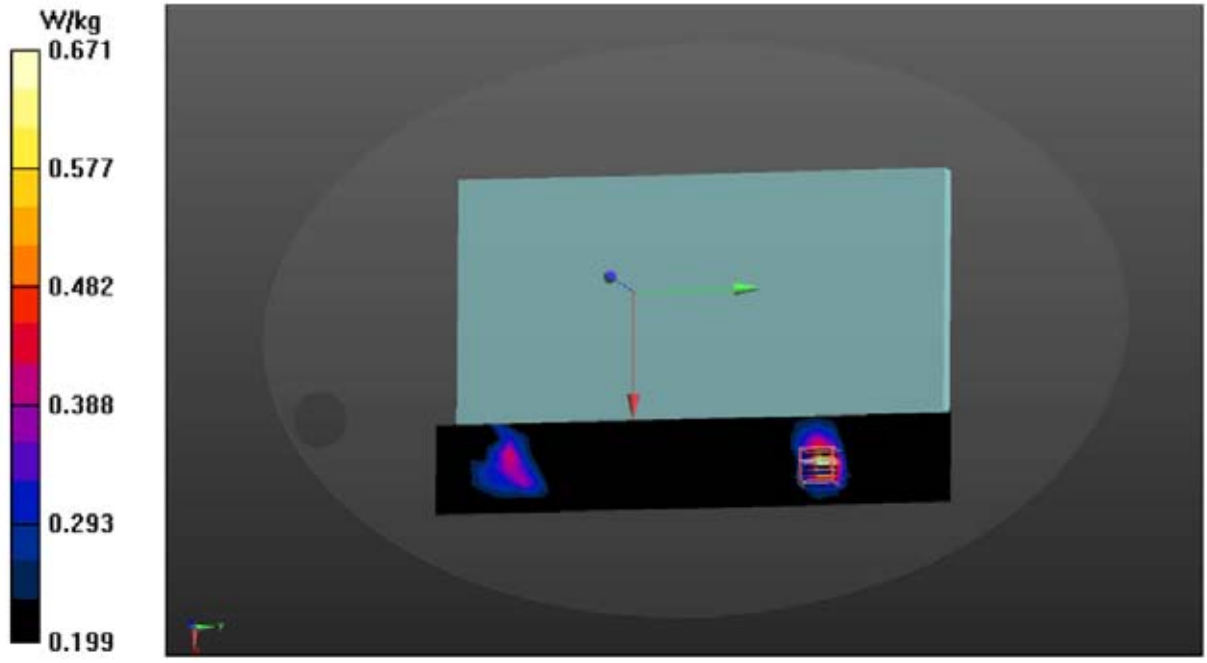
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5795 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.377; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.603 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.050 V/m; Power Drift = 1.26 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.305 W/kg
Maximum value of SAR (measured) = 0.671 W/kg



Date: 6/14/2016

Test Laboratory: Audix_SAR Lab

P44 Wi-Fi 802.11ac-VHT40 CH 159 5795MHz Back

DUT: TC12A-W

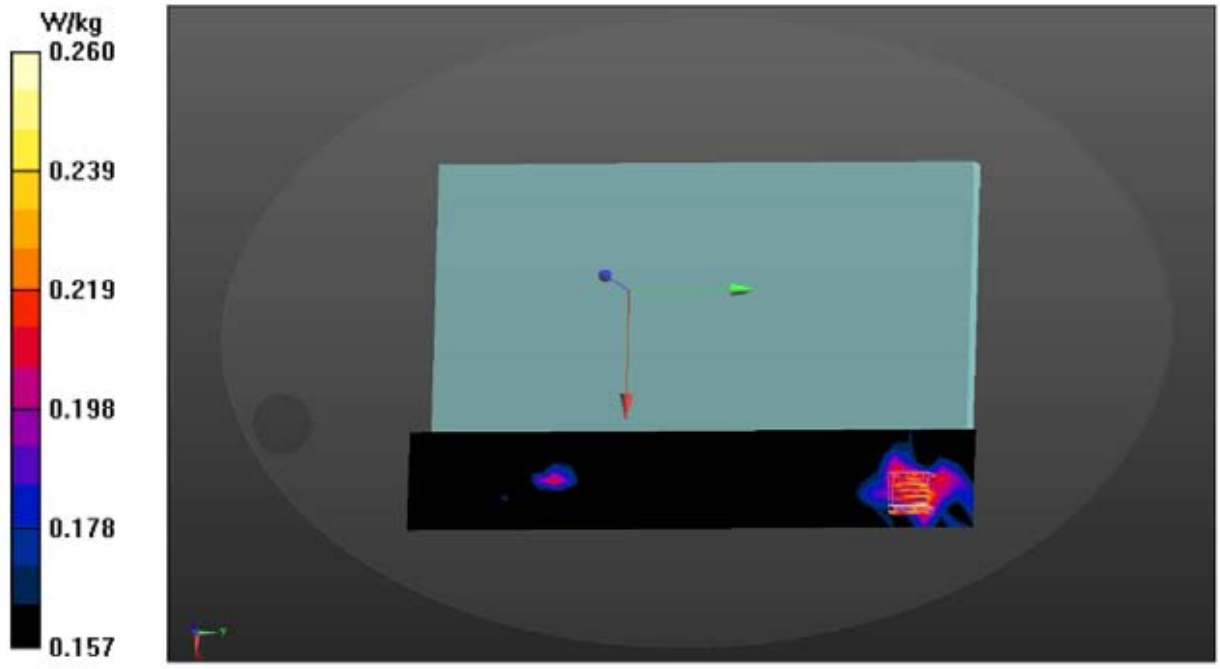
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5795 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.377; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.239 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.890 V/m; Power Drift = 0.54 dB
Peak SAR (extrapolated) = 0.303 W/kg
SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.208 W/kg
Maximum value of SAR (measured) = 0.260 W/kg



Date: 6/14/2016

Test Laboratory: Audix_SAR Lab

P45 Wi-Fi 802.11ac-VHT40 CH 159 5795MHz Top

DUT: TC12A-W

Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5795 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.377; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

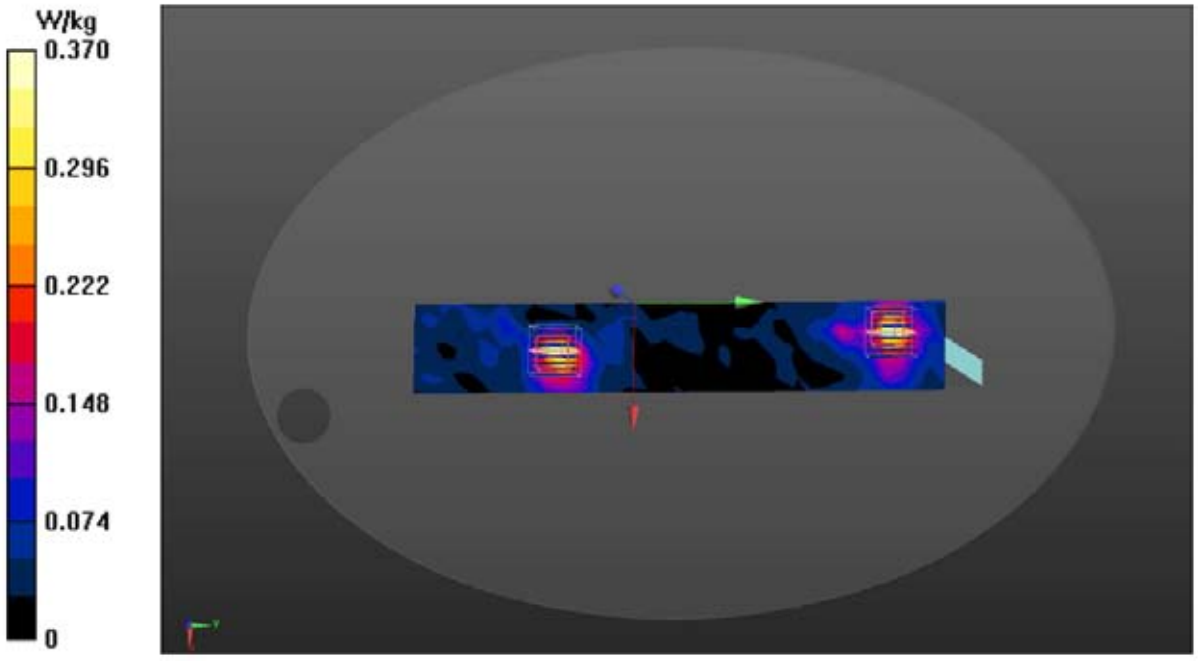
DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.370 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.712 V/m; Power Drift = 1.10 dB
Peak SAR (extrapolated) = 0.745 W/kg
SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.108 W/kg
Maximum value of SAR (measured) = 0.350 W/kg

Zoom Scan (9x9x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.712 V/m; Power Drift = 1.10 dB
Peak SAR (extrapolated) = 0.809 W/kg
SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.115 W/kg
Maximum value of SAR (measured) = 0.378 W/kg



Date: 6/14/2016

Test Laboratory: Audix_SAR Lab

P46 Wi-Fi 802.11ac-VHT40 CH 159 5795MHz Right

DUT: TC12A-W

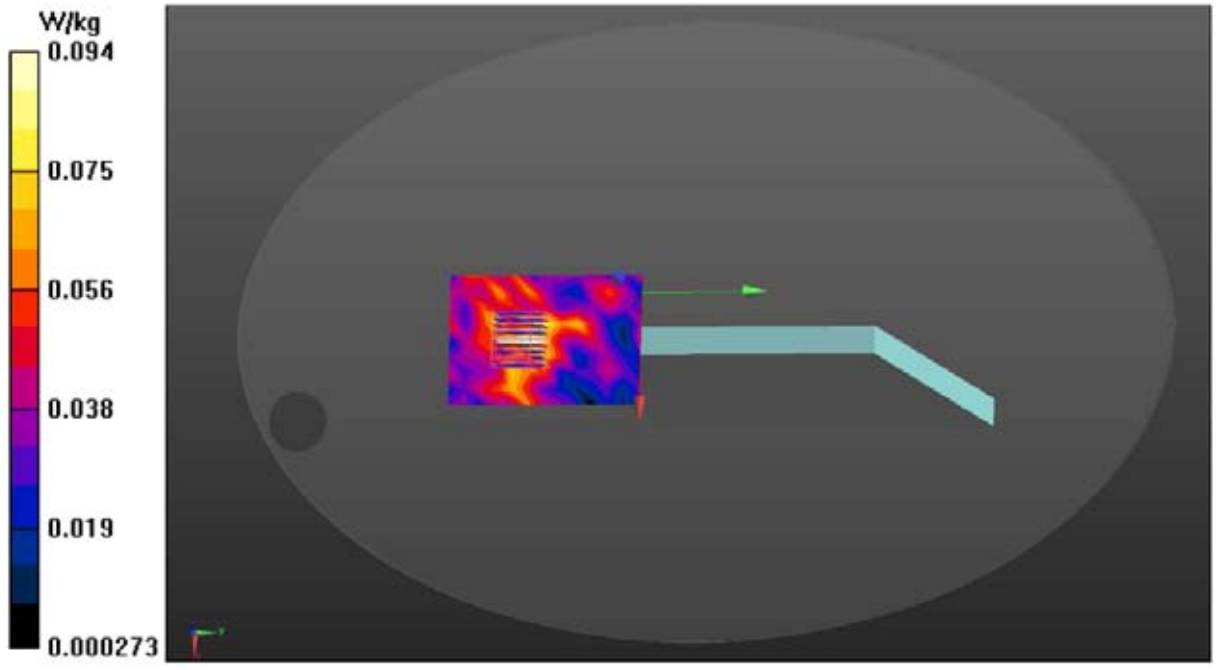
Communication System: UID 0, WIFI 5G 802.11VHT_40 (0); Frequency: 5795 MHz;Duty Cycle:1:1.82
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.377; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.0882 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.5930 V/m; Power Drift = 1.61 dB
Peak SAR (extrapolated) = 0.163 W/kg
SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.039 W/kg
Maximum value of SAR (measured) = 0.0937 W/kg



Test Date: 2016. 06. 06 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 07 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 13 Temperature : 23℃ Humidity : 25%
Test Date: 2016. 06. 14 Temperature : 23℃ Humidity : 25%

Liquid Temperature : 21.7℃						Depth of Liquid: **>** 15cm			
Test Mode: 5GHz									
Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency		Conducted power (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR	Limit (W/kg)
			Channel	MHz					
802.11ac-VHT80 (UNII Band I)									
Front	Fixed	0.5	42	5210	12.74	**0.189**	1.06	**0.20**	1.6
Back	Fixed	0.5	42	5210	12.74	0.159	1.06	0.17	1.6
Top	Fixed	0.5	42	5210	12.74	0.087	1.06	0.09	1.6
Right	Fixed	0.5	42	5210	12.74	0.099	1.06	0.11	1.6
802.11ac-VHT80 (UNII Band II-2A)									
Front	Fixed	0.5	58	5290	14.26	**0.246**	1.06	**0.26**	1.6
Back	Fixed	0.5	58	5290	14.26	0.167	1.06	0.18	1.6
Top	Fixed	0.5	58	5290	14.26	0.104	1.06	0.11	1.6
Right	Fixed	0.5	58	5290	14.26	0.145	1.06	0.15	1.6
802.11ac-VHT80 (UNII Band II-2C)									
Front	Fixed	0.5	122	5610	18.56	**0.549**	1.11	**0.61**	1.6
Back	Fixed	0.5	122	5610	18.56	0.285	1.11	0.32	1.6
Top	Fixed	0.5	122	5610	18.56	0.284	1.11	0.31	1.6
Right	Fixed	0.5	122	5610	18.56	0.103	1.11	0.11	1.6
802.11ac-VHT80 (UNII Band III)									
Front	Fixed	0.5	155	5775	16.28	**0.306**	1.05	**0.32**	1.6
Back	Fixed	0.5	155	5775	16.28	0.218	1.05	0.23	1.6
Top	Fixed	0.5	155	5775	16.28	0.117	1.05	0.12	1.6
Right	Fixed	0.5	155	5775	16.28	0.043	1.05	0.05	1.6

Remark: The worst SAR was measured at 5 mm distance.

Date: 6/6/2016

Test Laboratory: Audix_SAR Lab

P47 Wi-Fi 802.11ac-VHT80 CH 42 5210MHz Front

DUT: TC12A-W

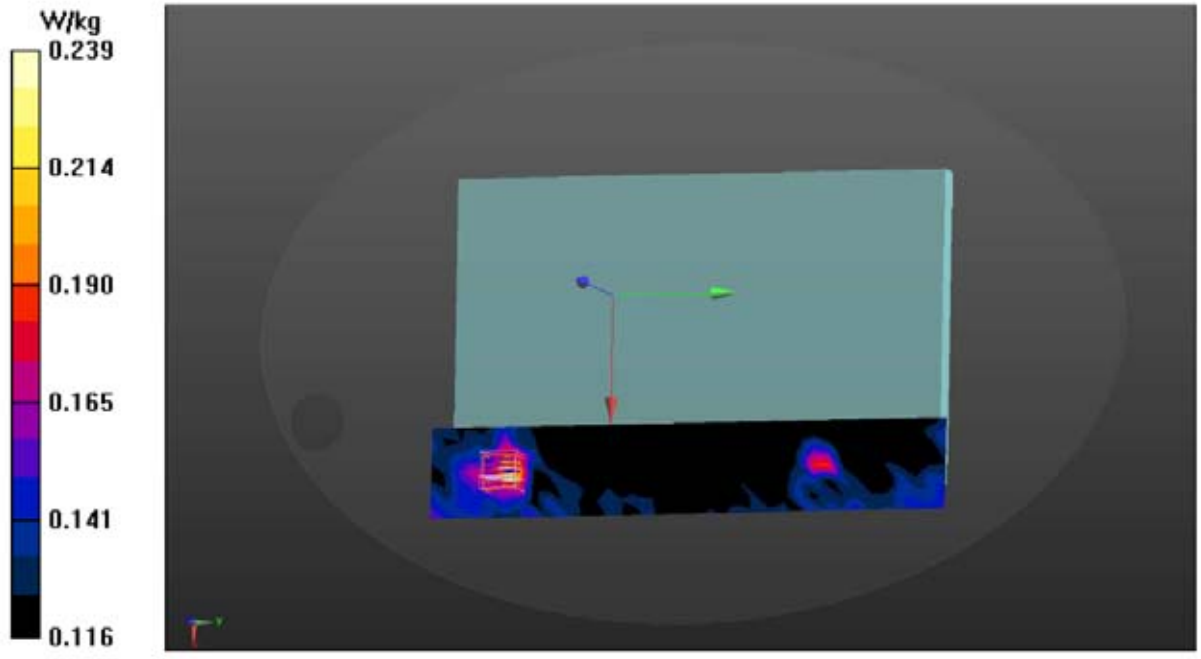
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5210 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5210 MHz; σ = 5.358 S/m; ε_r = 47.578; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.235 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.257 V/m; Power Drift = 0.92 dB
Peak SAR (extrapolated) = 0.290 W/kg
SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.170 W/kg
Maximum value of SAR (measured) = 0.239 W/kg



Date: 6/6/2016

Test Laboratory: Audix_SAR Lab

P48 Wi-Fi 802.11ac-VHT80 CH 42 5210MHz Back

DUT: TC12A-W

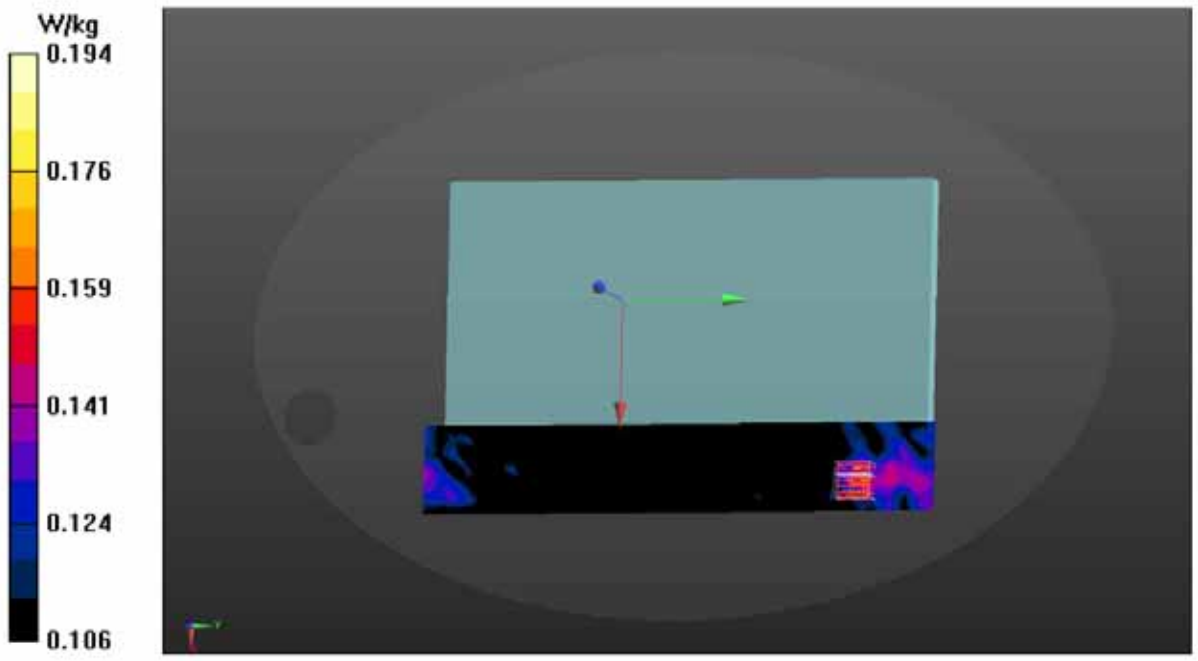
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5210 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5210 MHz; σ = 5.358 S/m; ε_r = 47.578; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.163 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.815 V/m; Power Drift = 1.61 dB
Peak SAR (extrapolated) = 0.195 W/kg
SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.147 W/kg
Maximum value of SAR (measured) = 0.194 W/kg



Date: 6/6/2016

Test Laboratory: Audix_SAR Lab

P49 Wi-Fi 802.11ac-VHT80 CH 42 5210MHz Top

DUT: TC12A-W

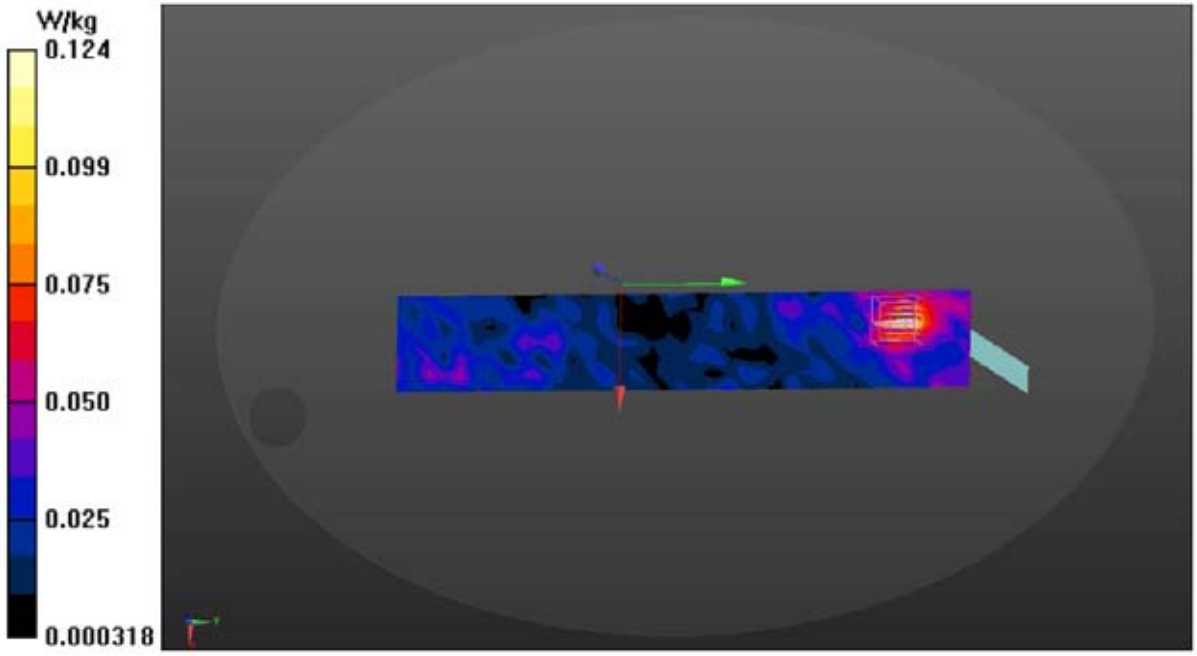
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5210 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5210 MHz; σ = 5.358 S/m; ε_r = 47.578; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.124 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.860 V/m; Power Drift = 0.44 dB
Peak SAR (extrapolated) = 0.242 W/kg
SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.137 W/kg



Date: 6/6/2016

Test Laboratory: Audix_SAR Lab

P50 Wi-Fi 802.11ac-VHT80 CH 42 5210MHz Right

DUT: TC12A-W

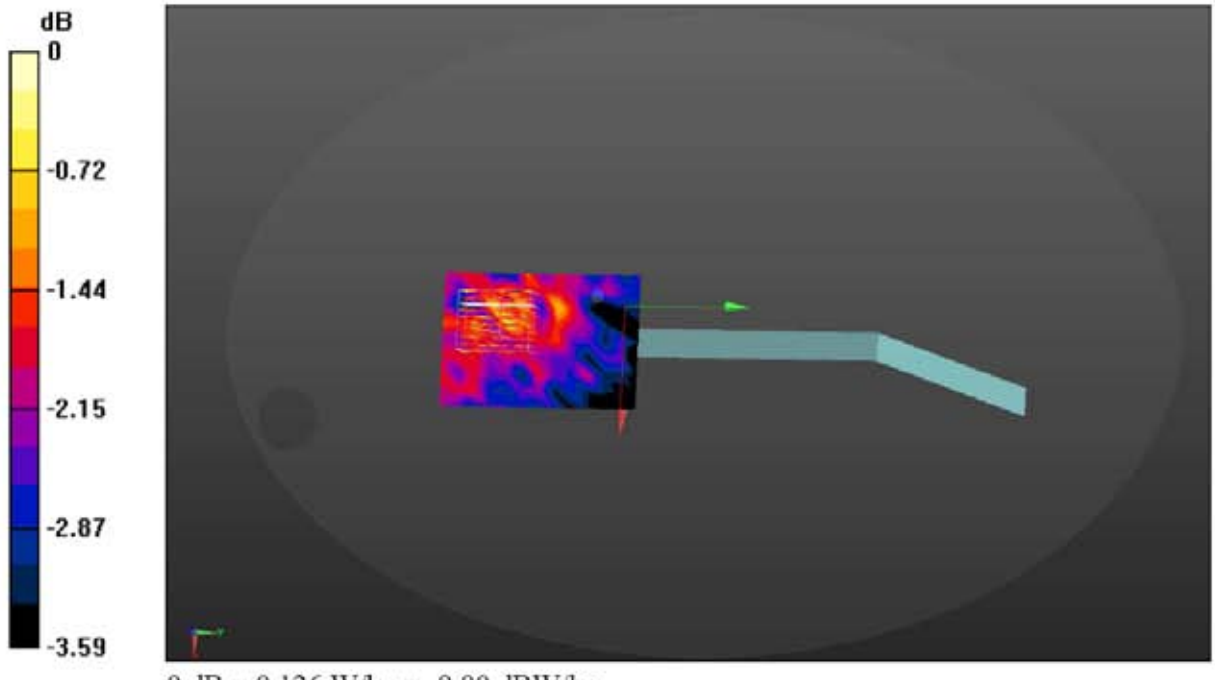
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5210 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5210 MHz; σ = 5.358 S/m; ε_r = 47.578; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.54, 4.54, 4.54); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.111 W/kg

Zoom Scan (10x12x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.464 V/m; Power Drift = 0.70 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.092 W/kg
Maximum value of SAR (measured) = 0.126 W/kg



0 dB = 0.126 W/kg = -9.00 dBW/kg

Date: 6/7/2016

Test Laboratory: Audix_SAR Lab

P51 Wi-Fi 802.11ac-VHT80 CH 58 5290MHz Front

DUT: TC12A-W

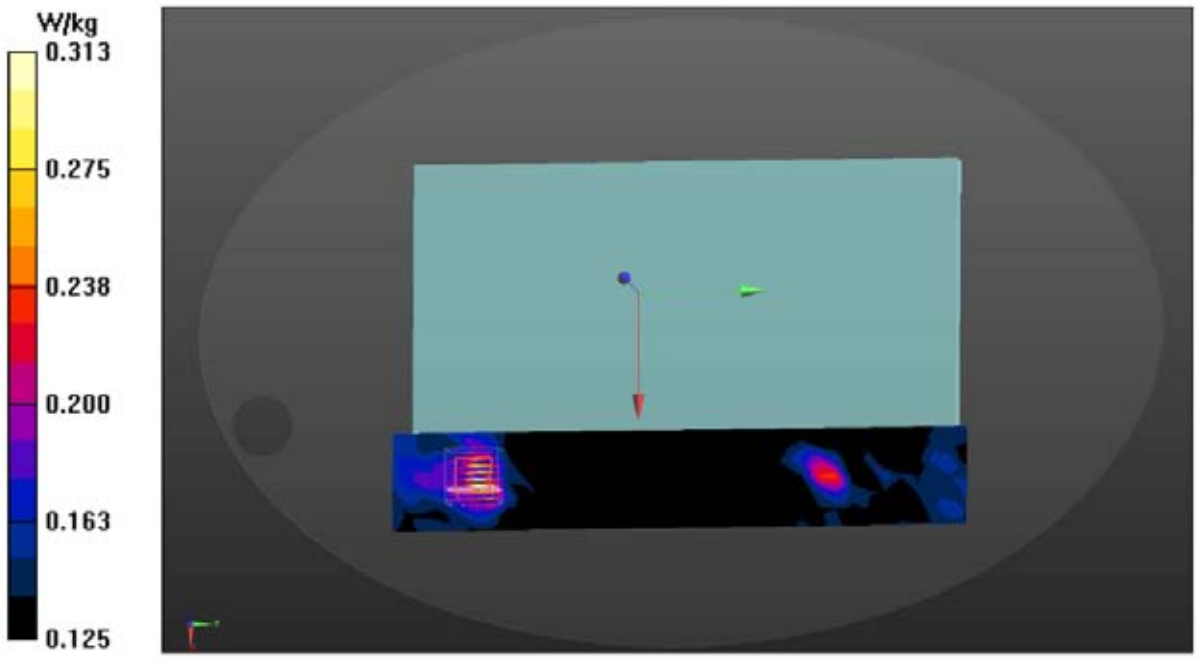
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5290 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5290 MHz; σ = 5.472 S/m; ε_r = 47.377; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.300 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.203 V/m; Power Drift = 1.97 dB
Peak SAR (extrapolated) = 0.493 W/kg
SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.200 W/kg
Maximum value of SAR (measured) = 0.313 W/kg



Date: 6/7/2016

Test Laboratory: Audix_SAR Lab

P52 Wi-Fi 802.11ac-VHT80 CH 58 5290MHz Back

DUT: TC12A-W

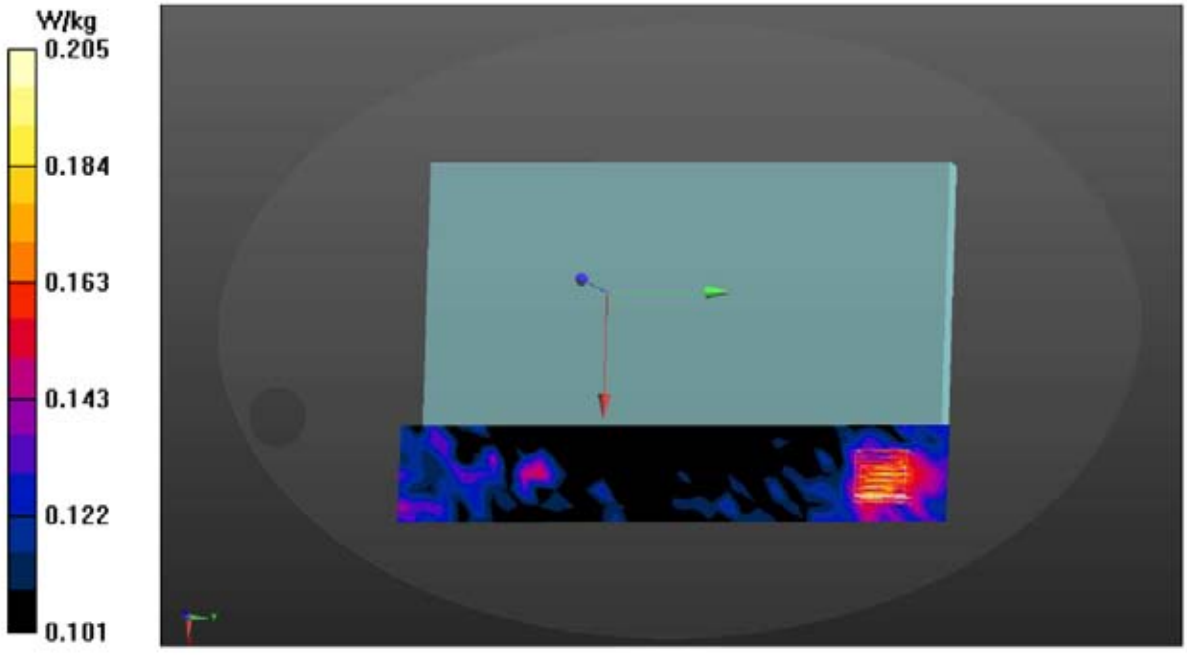
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5290 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5290 MHz; σ = 5.472 S/m; ε_r = 47.377; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.189 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.785 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.209 W/kg
SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.160 W/kg
Maximum value of SAR (measured) = 0.205 W/kg



Date: 6/7/2016

Test Laboratory: Audix_SAR Lab

P53 Wi-Fi 802.11ac-VHT80 CH 58 5290MHz Top

DUT: TC12A-W

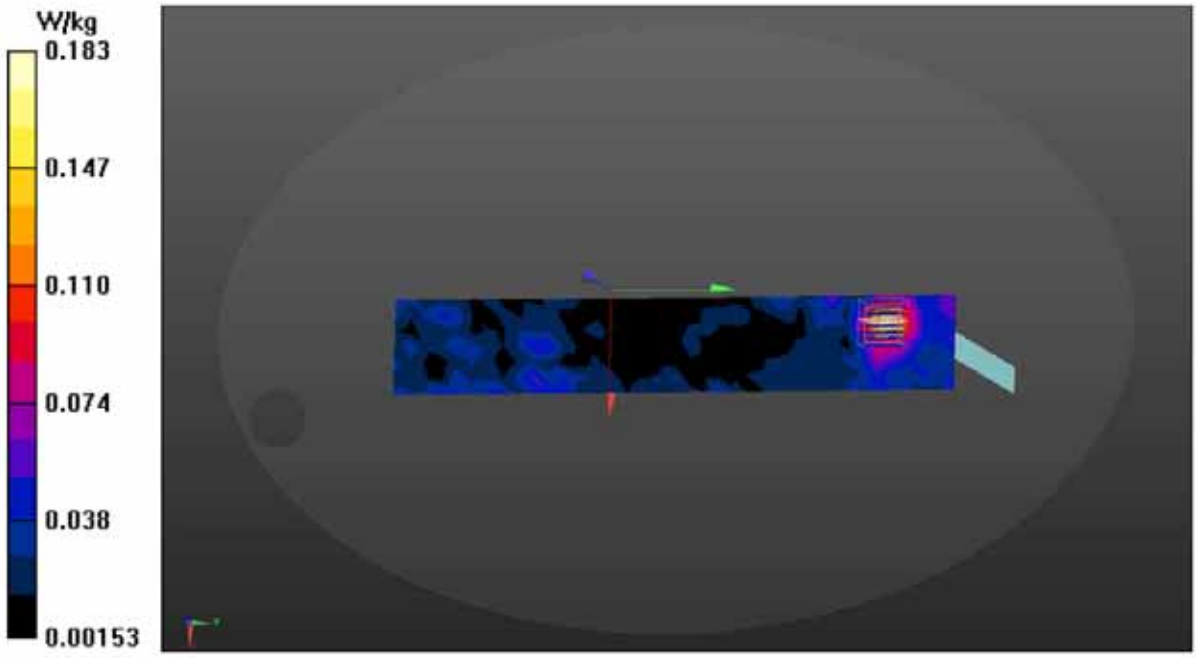
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5290 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5290 MHz; σ = 5.472 S/m; ε_r = 47.377; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.183 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.127 V/m; Power Drift = -0.92 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.168 W/kg



Date/: 6/7/2016

Test Laboratory: Audix_SAR Lab

P54 Wi-Fi 802.11ac-VHT80 CH 58 5290MHz Right

DUT: TC12A-W

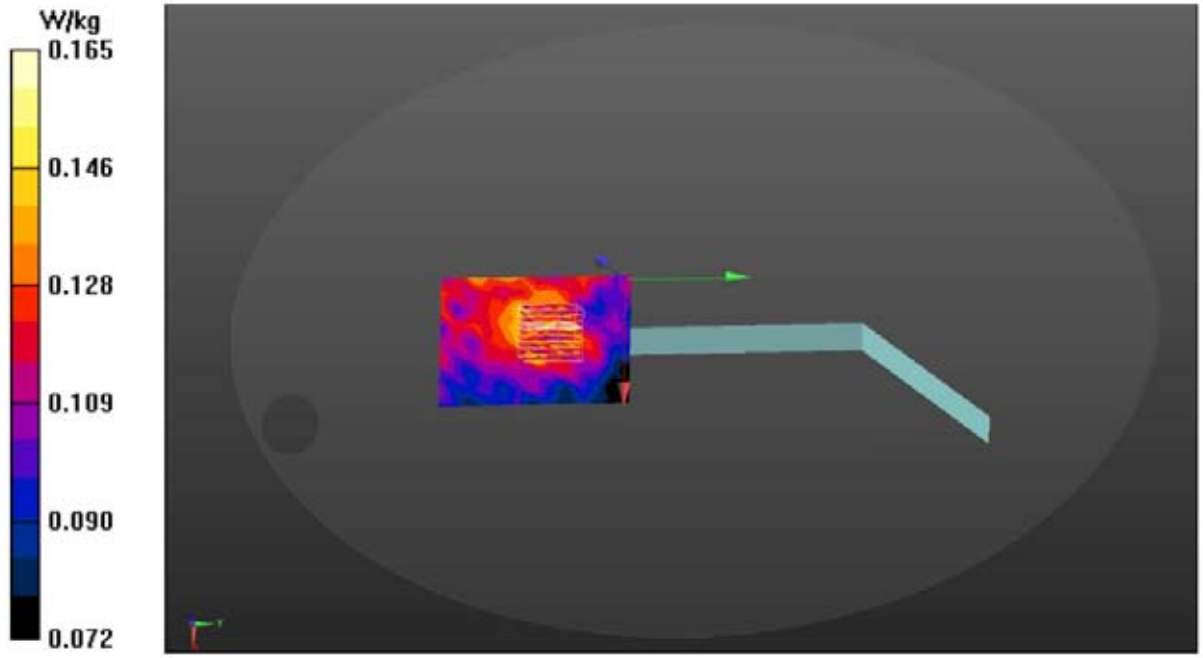
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5290 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5290 MHz; σ = 5.472 S/m; ε_r = 47.377; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.36, 4.36, 4.36); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.150 W/kg

Zoom Scan (9x10x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.830 V/m; Power Drift = -1.36 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.165 W/kg



Date: 6/13/2016

Test Laboratory: Audix_SAR Lab

P55 Wi-Fi 802.11ac-VHT80 CH 122 5610MHz Front

DUT: TC12A-W

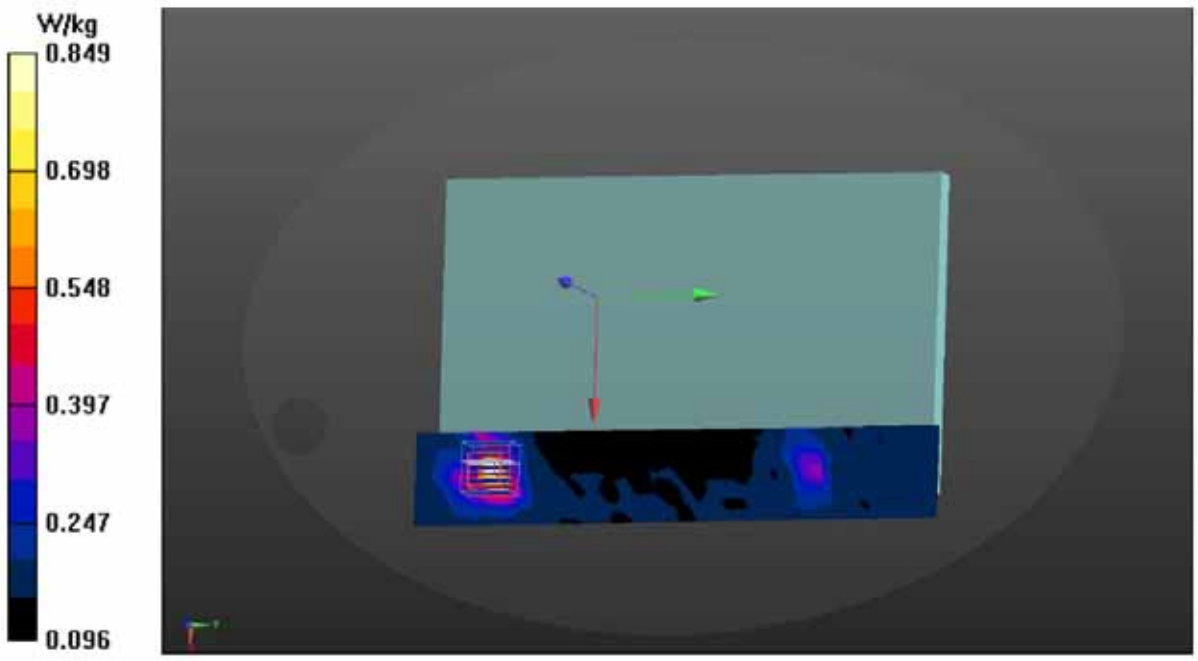
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5610 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5610 MHz; σ = 5.909 S/m; ε_r = 46.734; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.849 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.886 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.347 W/kg
Maximum value of SAR (measured) = 0.852 W/kg



Date: 6/13/2016

Test Laboratory: Audix_SAR Lab

P56 Wi-Fi 802.11ac-VHT80 CH 122 5610MHz Back

DUT: TC12A-W

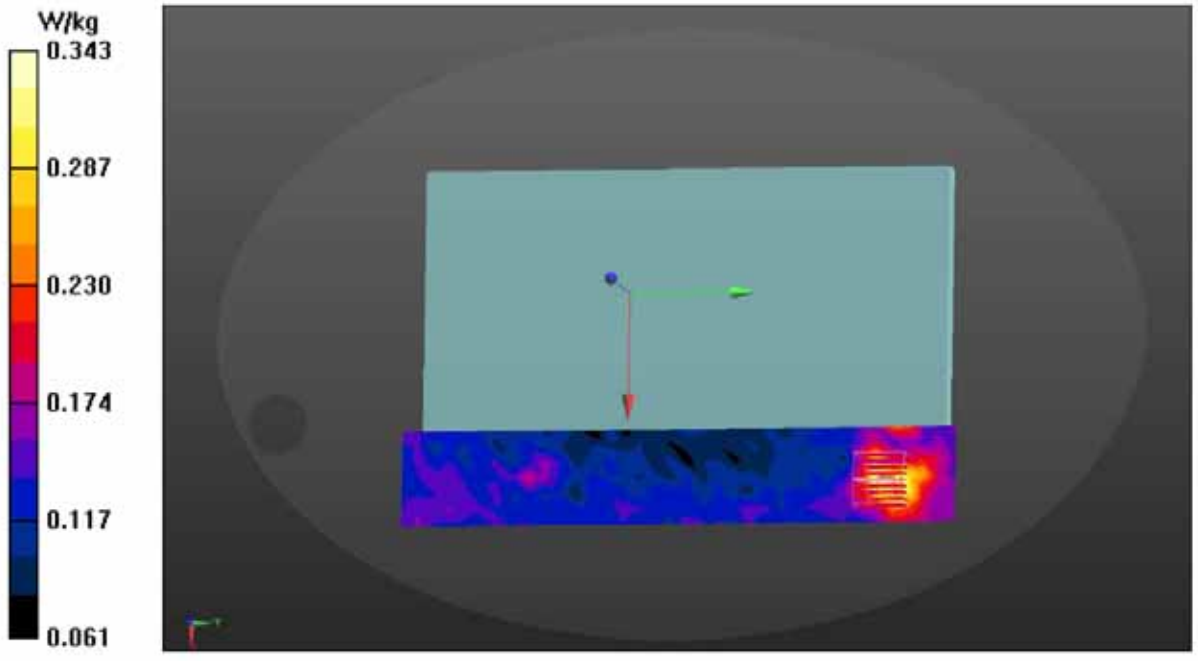
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5610 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5610 MHz; σ = 5.909 S/m; ε_r = 46.734; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.343 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.529 V/m; Power Drift = 1.56 dB
Peak SAR (extrapolated) = 0.618 W/kg
SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.232 W/kg
Maximum value of SAR (measured) = 0.369 W/kg



Date: 6/13/2016

Test Laboratory: Audix_SAR Lab

P57 Wi-Fi 802.11ac-VHT80 CH 122 5610MHz Top

DUT: TC12A-W

Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5610 MHz;Duty Cycle:1:2.22

Medium parameters used: f = 5610 MHz; σ = 5.909 S/m; ε_r = 46.734; ρ = 1000 kg/m^3

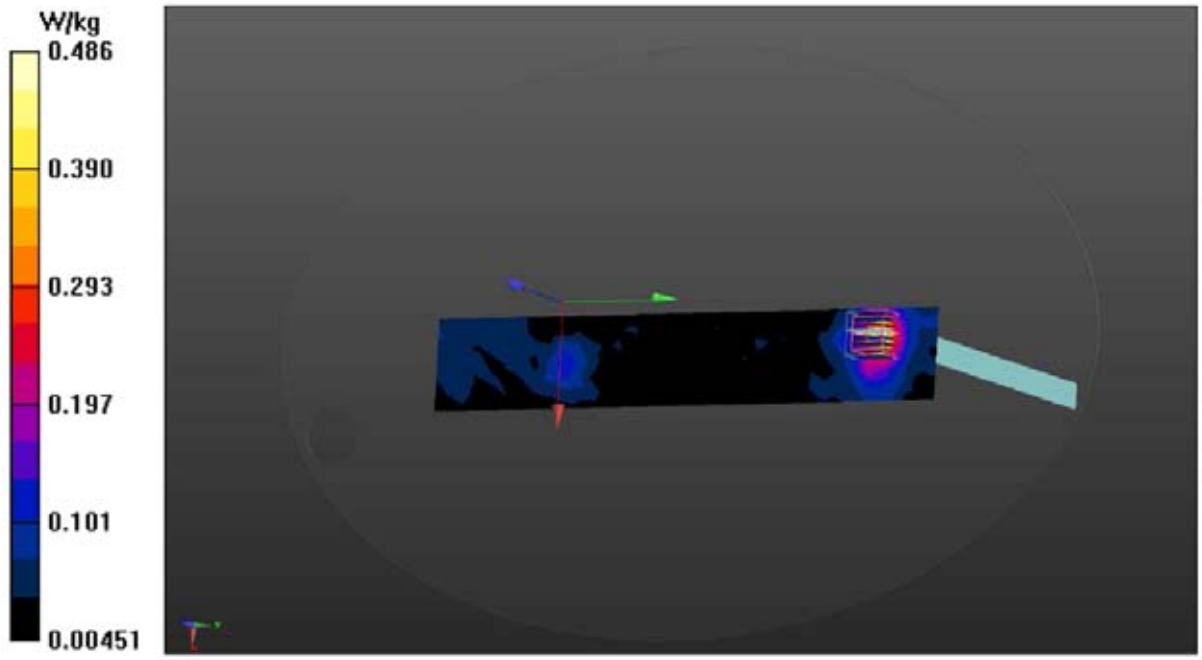
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.486 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.417 V/m; Power Drift = 1.62 dB
Peak SAR (extrapolated) = 0.925 W/kg
SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.135 W/kg
Maximum value of SAR (measured) = 0.473 W/kg



Date: 6/13/2016

Test Laboratory: Audix_SAR Lab

P58 Wi-Fi 802.11ac-VHT80 CH 122 5610MHz Right

DUT: TC12A-W

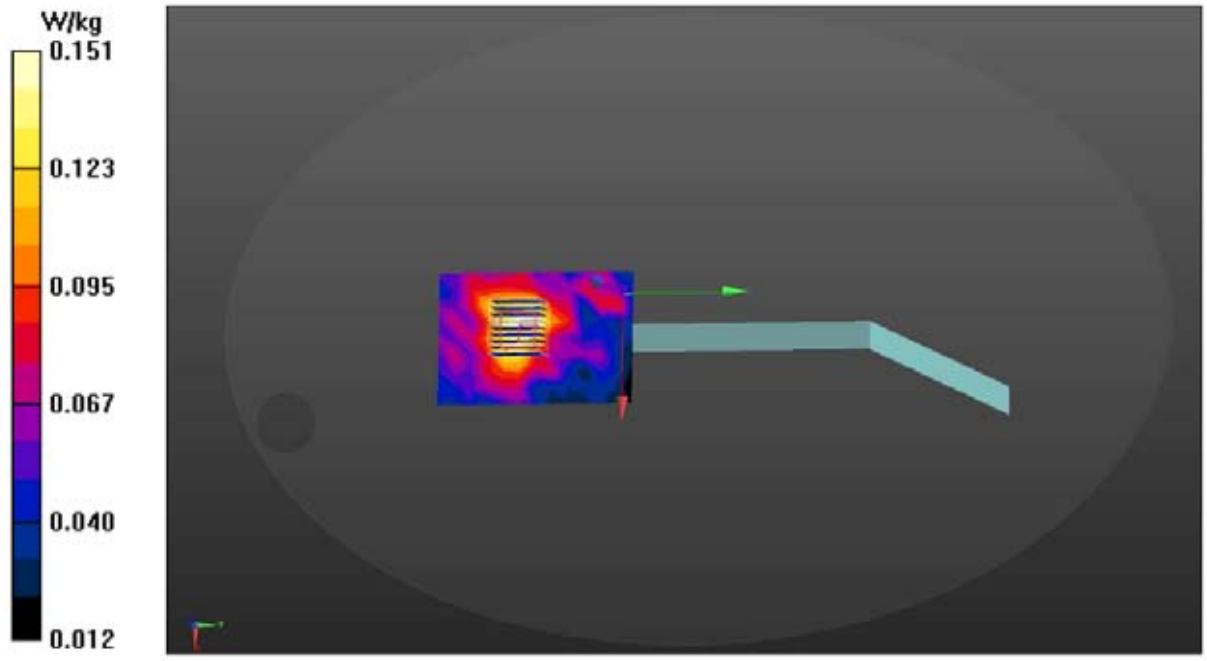
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5610 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5610 MHz; σ = 5.909 S/m; ε_r = 46.734; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(3.79, 3.79, 3.79); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.151 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.322 V/m; Power Drift = 0.24 dB
Peak SAR (extrapolated) = 0.342 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.060 W/kg
Maximum value of SAR (measured) = 0.170 W/kg



Date: 6/14/2016

Test Laboratory: Audix_SAR Lab

P59 Wi-Fi 802.11ac-VHT80 CH 155 5775MHz Front

DUT: TC12A-W

Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5775 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5775 MHz; σ = 6.152 S/m; ε_r = 46.391; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

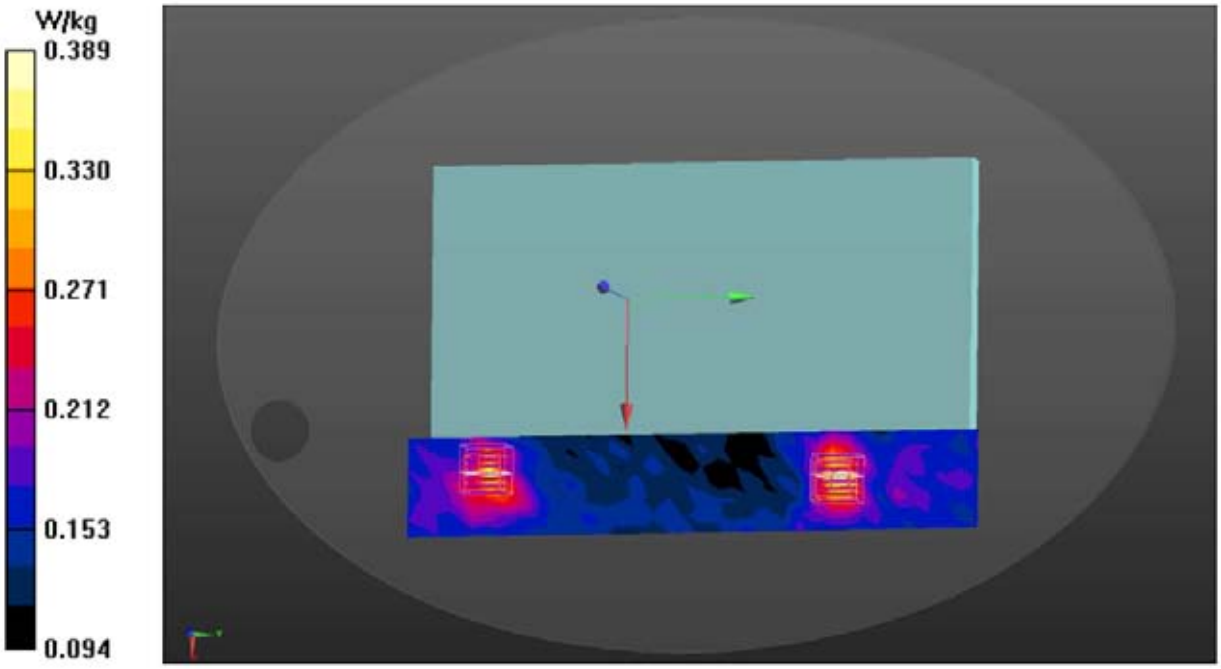
DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.389 W/kg

Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.067 V/m; Power Drift = 0.24 dB
Peak SAR (extrapolated) = 0.844 W/kg
SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.243 W/kg
Maximum value of SAR (measured) = 0.401 W/kg

Zoom Scan (8x8x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.067 V/m; Power Drift = 0.24 dB
Peak SAR (extrapolated) = 0.501 W/kg
SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.229 W/kg
Maximum value of SAR (measured) = 0.333 W/kg



Date: 6/14/2016

Test Laboratory: Audix_SAR Lab

P60 Wi-Fi 802.11ac-VHT80 CH 155 5775MHz Back

DUT: TC12A-W

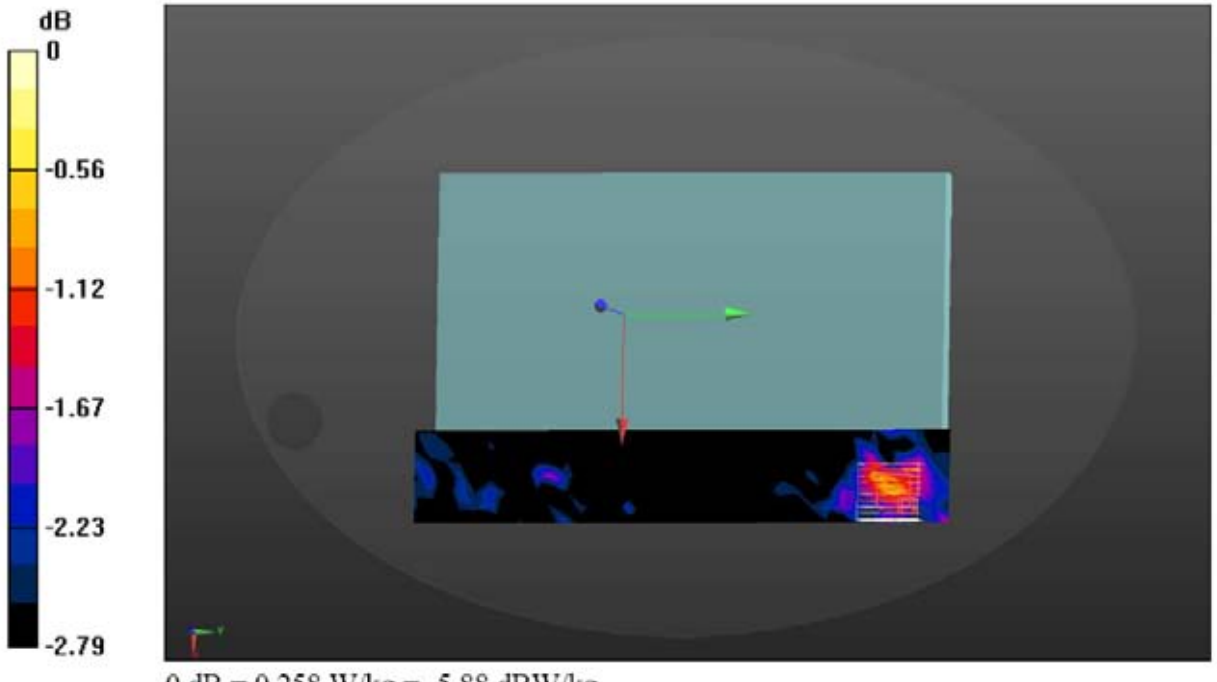
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5775 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5775 MHz; σ = 6.152 S/m; ε_r = 46.391; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 25.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x36x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.215 W/kg

Zoom Scan (10x11x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.565 V/m; Power Drift = 1.70 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.198 W/kg
Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.258 W/kg = -5.88 dBW/kg

Date: 6/14/2016

Test Laboratory: Audix_SAR Lab

P61 Wi-Fi 802.11ac-VHT80 CH 155 5775MHz Top

DUT: TC12A-W

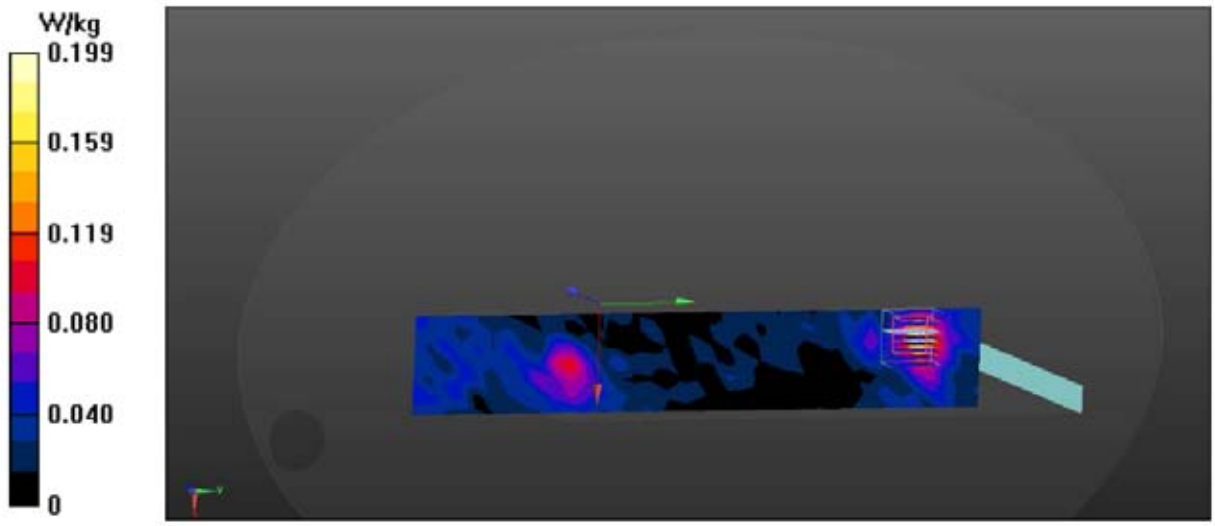
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5775 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5775 MHz; σ = 6.152 S/m; ε_r = 46.391; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x37x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.199 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.579 V/m; Power Drift = 1.84 dB
Peak SAR (extrapolated) = 0.344 W/kg
SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.069 W/kg
Maximum value of SAR (measured) = 0.191 W/kg



Date: 6/14/2016

Test Laboratory: Audix_SAR Lab

P62 Wi-Fi 802.11ac-VHT80 CH 155 5775MHz Right

DUT: TC12A-W

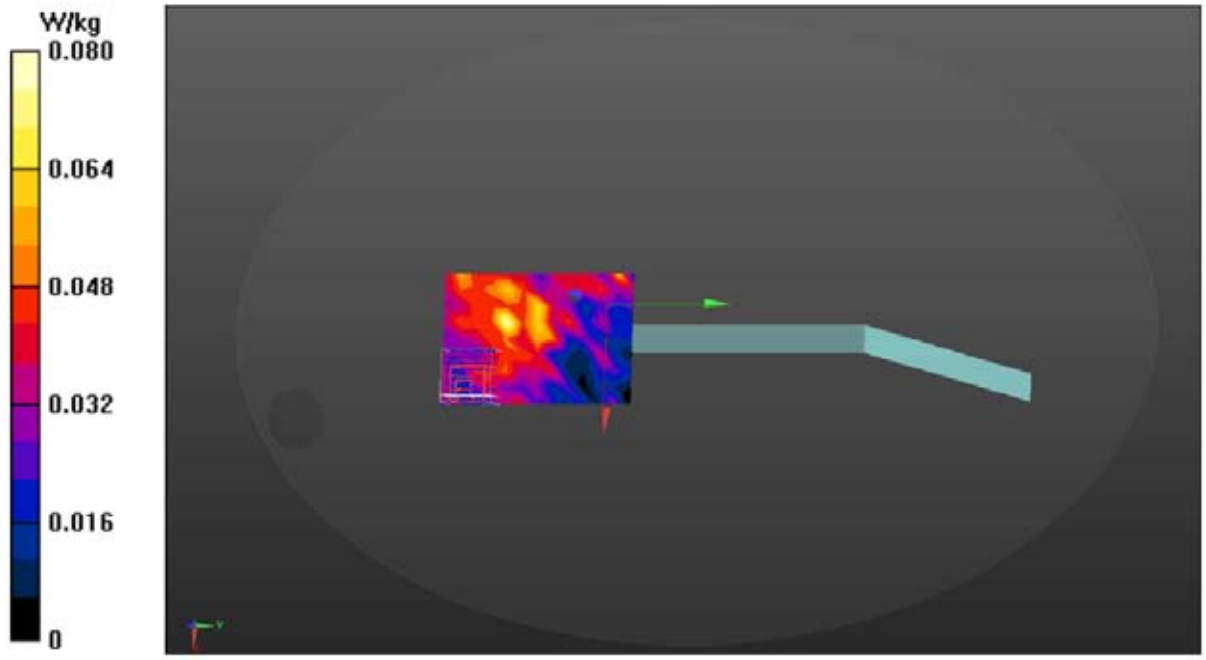
Communication System: UID 0, WIFI 5G 802.11VHT_80 (0); Frequency: 5775 MHz;Duty Cycle:1:2.22
Medium parameters used: f = 5775 MHz; σ = 6.152 S/m; ε_r = 46.391; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.15, 4.15, 4.15); Calibrated: 9/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 9/24/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1170
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

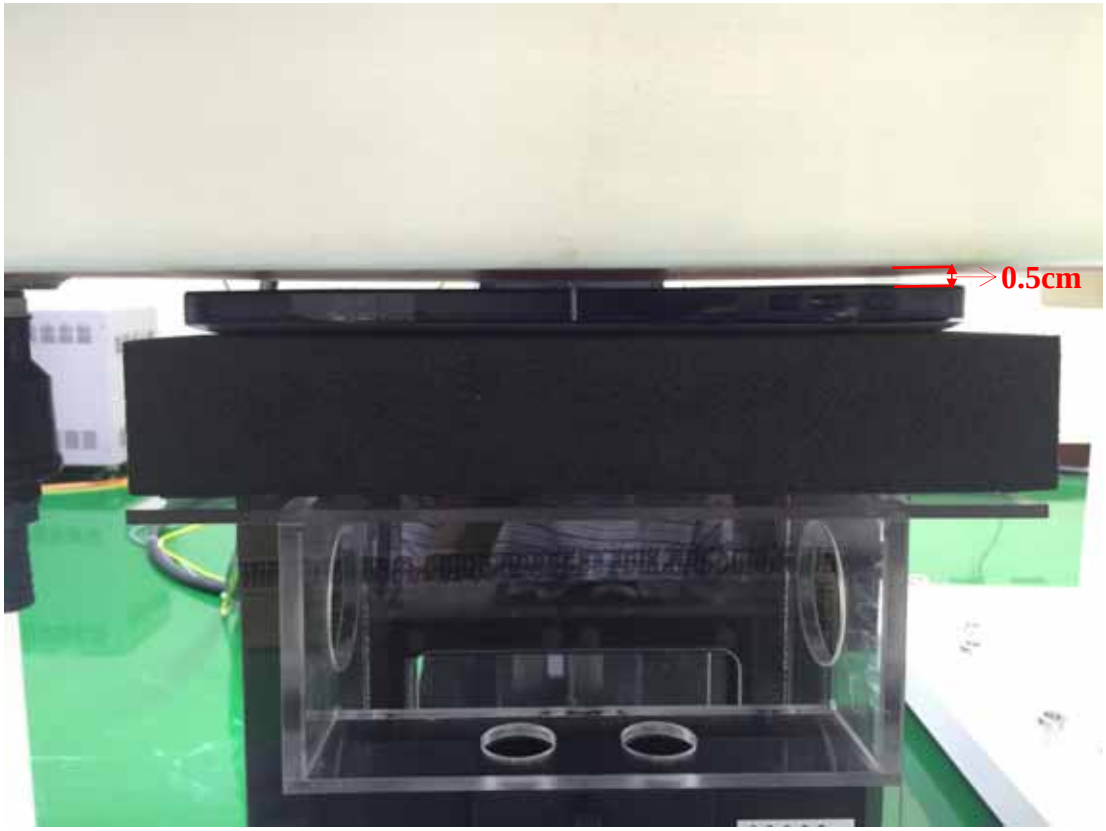
Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.0797 W/kg

Zoom Scan (9x9x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.263 V/m; Power Drift = -1.59 dB
Peak SAR (extrapolated) = 0.157 W/kg
SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.025 W/kg
Maximum value of SAR (measured) = 0.0645 W/kg



7. PHOTOGRAPHS OF MEASUREMENT

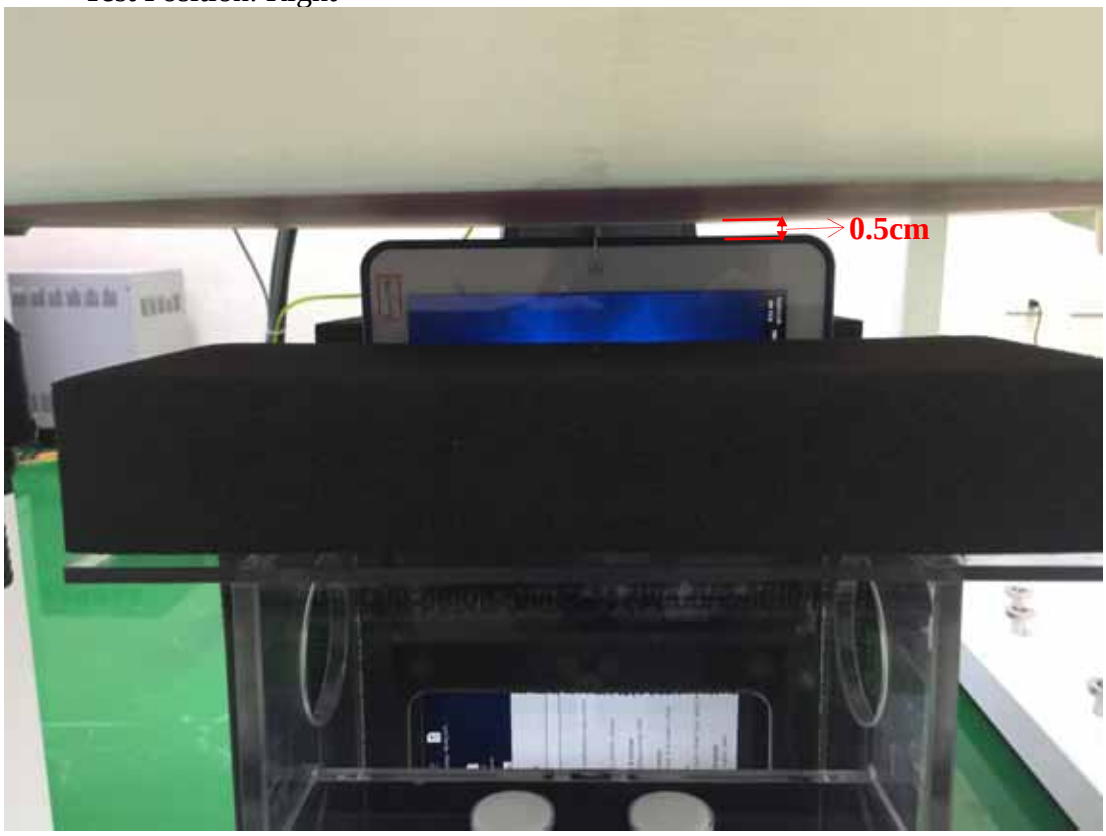
Test Position: Front



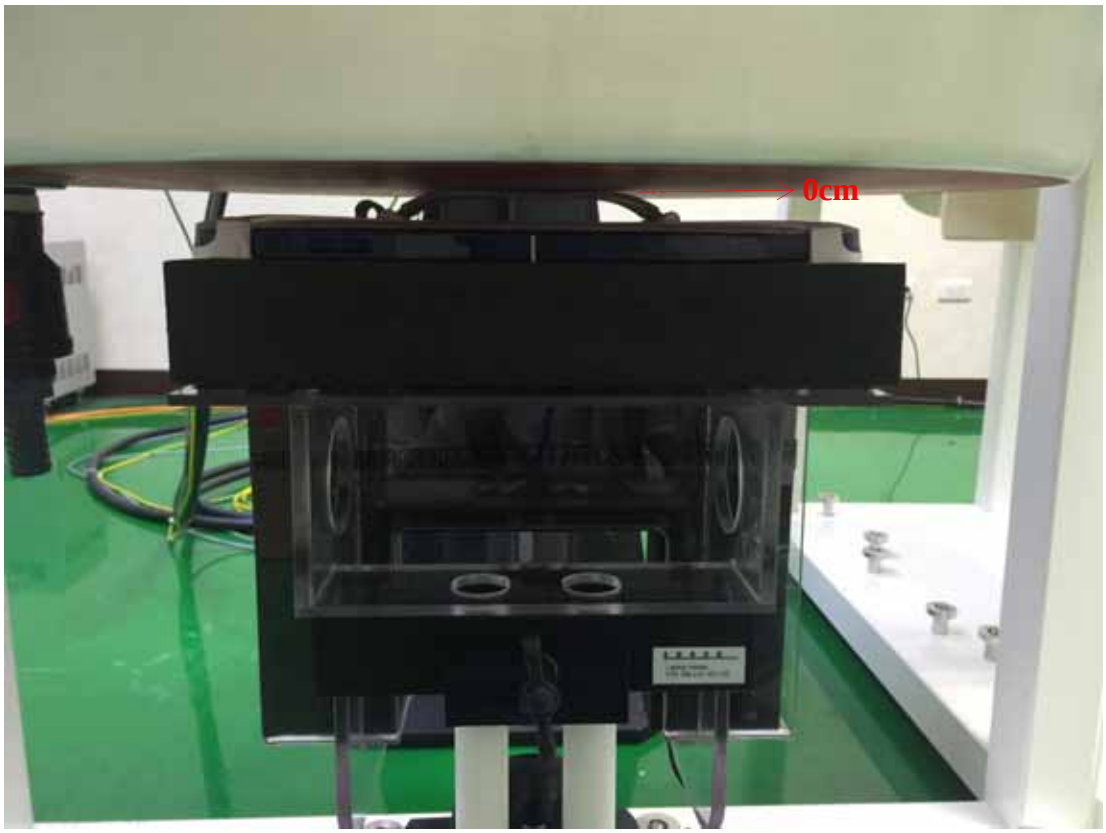
Test Position: Back

Test Position: Top

Test Position: Right



Test Position: Back With Case



Depth of the Liquid in the Phantom-Zoom In