NATC-010Q SAR APPENDIX 1

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Contents

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Measurement Summary

Antenna	Power (dBm)	CH	CH. Freq (MHz)	Power Drift(dB)	Body SAR1g (W/Kg)	Body SAR10g (W/Kg)
Integral PCB Antenna	25.62	1	903.4	-0.54	1.80	1.22
Integral PCB Antenna	26.28	2	915.4	-0.36	2.28	1.54
Integral PCB Antenna	25.47	3	926.6	-0.16	1.76	1.19

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File Name: EX 903.4 MHz Body Belt Clip Touch a.da52:0

DUT: Yapalong 5000 ; Type: Body Worn; Serial: Yapalong 5000

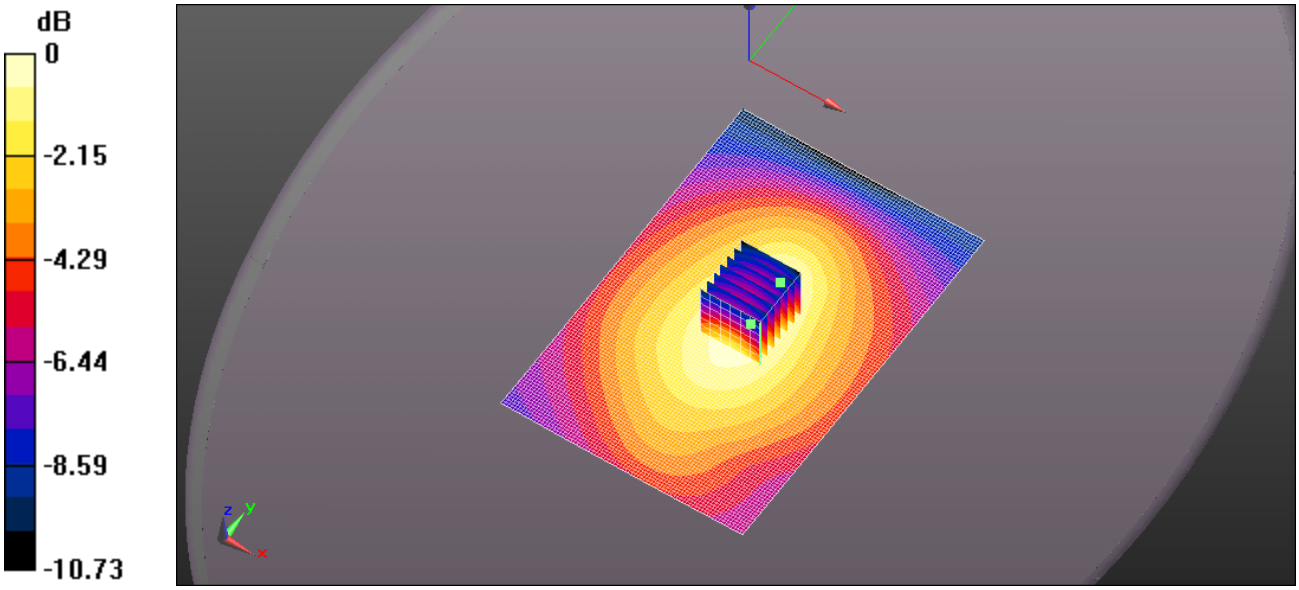
Communication System: UID 0, CW (0); Frequency: 903.4 MHz; Duty Cycle: 1:1
Medium parameters used: f = 903.75 MHz; σ = 1.058 S/m; ε_r = 54.564; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ;
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.31, 9.31, 9.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

SAR Body Measurement Yapalong 5000/d=0mm, P=27dBm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.51 V/m; Power Drift = -0.54 dB
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 1.8 W/kg; SAR(10 g) = 1.22 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.31 W/kg

SAR Body Measurement Yapalong 5000/d=0mm, P=27dBm (ES-Probe)/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.37 W/kg



0 dB = 2.31 W/kg = 3.63 dBW/kg

File Name: EX 915.4 MHz Body Belt Clip Touch.da52:0

DUT: Yapalong 5000 ; Type: Body Worn; Serial: Yapalong 5000

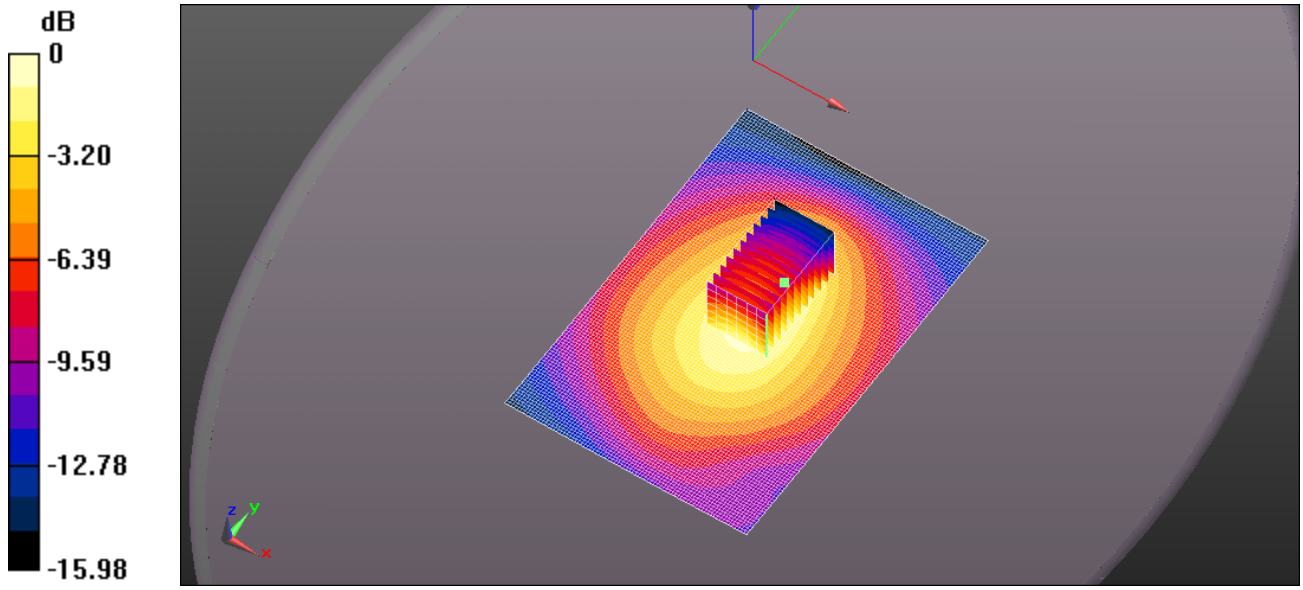
Communication System: UID 0, CW (0); Frequency: 915.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 915.4 MHz; σ = 1.069 S/m; ε_r = 54.531; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.31, 9.31, 9.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

SAR Body Measurement Yapalong 5000/d=0mm, P=27dBm,(ES-Probe)/Zoom Scan (7x7x7) (7x11x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.44 V/m; Power Drift = -0.36 dB
Peak SAR (extrapolated) = 3.52 W/kg
SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.54 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.93 W/kg

SAR Body Measurement Yapalong 5000/d=0mm, P=27dBm (ES-Probe)/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.18 W/kg



0 dB = 2.93 W/kg = 4.66 dBW/kg

File Name: EX 926.6 MHz Body Belt Clip Touch.da52:0

DUT: Yapalong 5000 ; Type: Body Worn; Serial: Yapalong 5000

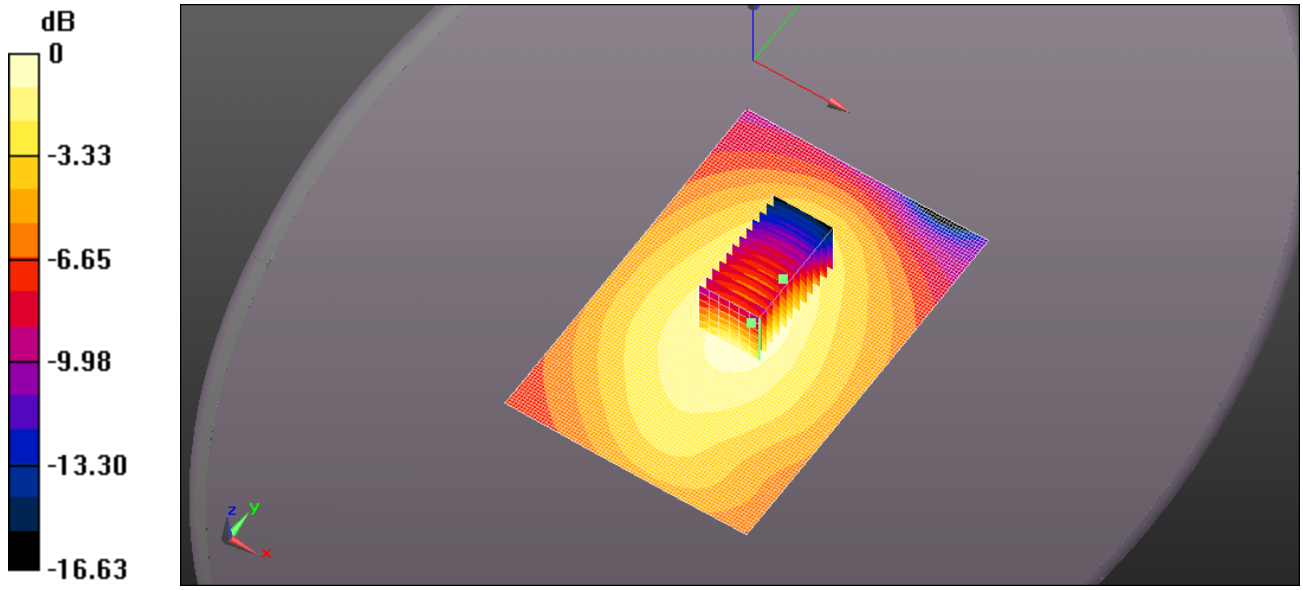
Communication System: UID 0, CW (0); Frequency: 926.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 926.6 MHz; σ = 1.08 S/m; ε_r = 54.459; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.31, 9.31, 9.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

SAR Body Measurement Yapalong 5000/d=0mm, P=27dBm (ES-Probe)/Zoom Scan (7x7x7) (7x12x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.02 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.81 W/kg
SAR(1 g) = 1.76 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.23 W/kg

SAR Body Measurement Yapalong 5000/d=0mm, P=27dBm (ES-Probe)/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.52 W/kg



0 dB = 2.23 W/kg = 3.49 dBW/kg

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