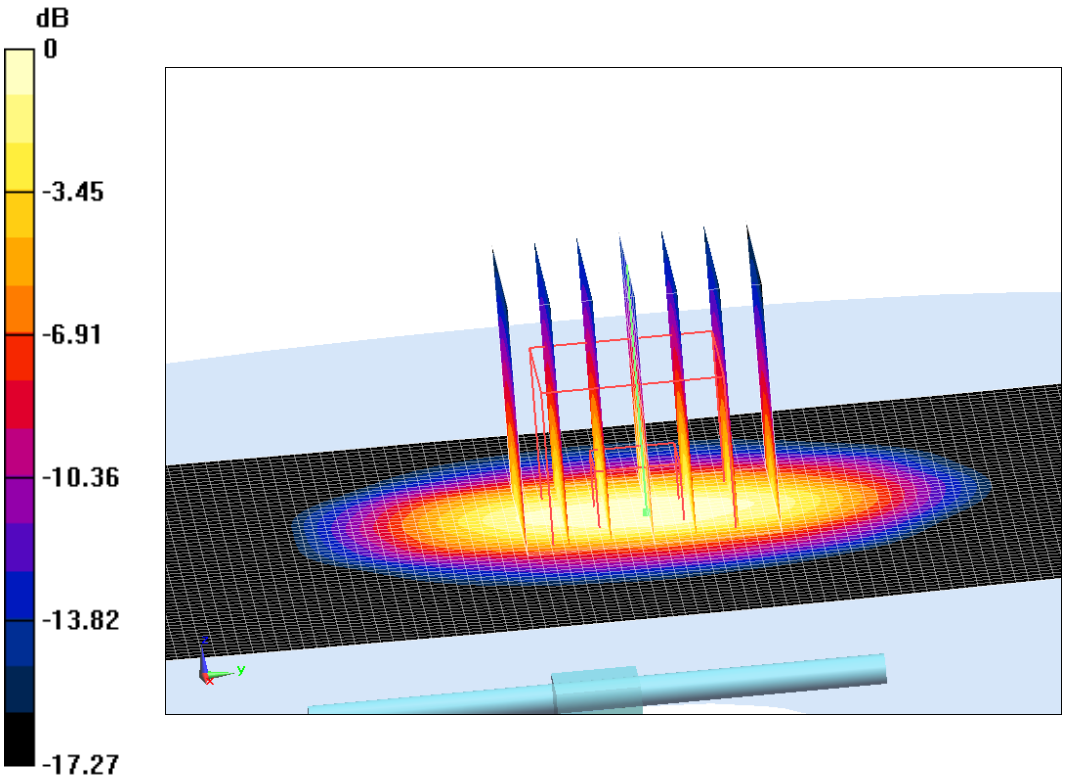
1900 MHz

Date: 11/22/2019
Electronics: DAE4 Sn771
Medium: Head 1900 MHz
Medium parameters used: f = 1900 MHz; σ =1.39 mho/m; ε_r = 39.55; ρ = 1000 kg/m^3
Ambient Temperature: 22.5ºC Liquid Temperature: 22.3ºC
Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

System Validation /Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 107.26 V/m; Power Drift = 0.02
Fast SAR: SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.2 W/kg
Maximum value of SAR (interpolated) = 15.34 W/kg

System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value =107.26 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 17.52 W/kg
SAR(1 g) = 10.07 W/kg; SAR(10 g) = 5.15 W/kg
Maximum value of SAR (measured) = 14.81 W/kg



0 dB = 14.81 W/kg = 11.71 dB W/kg

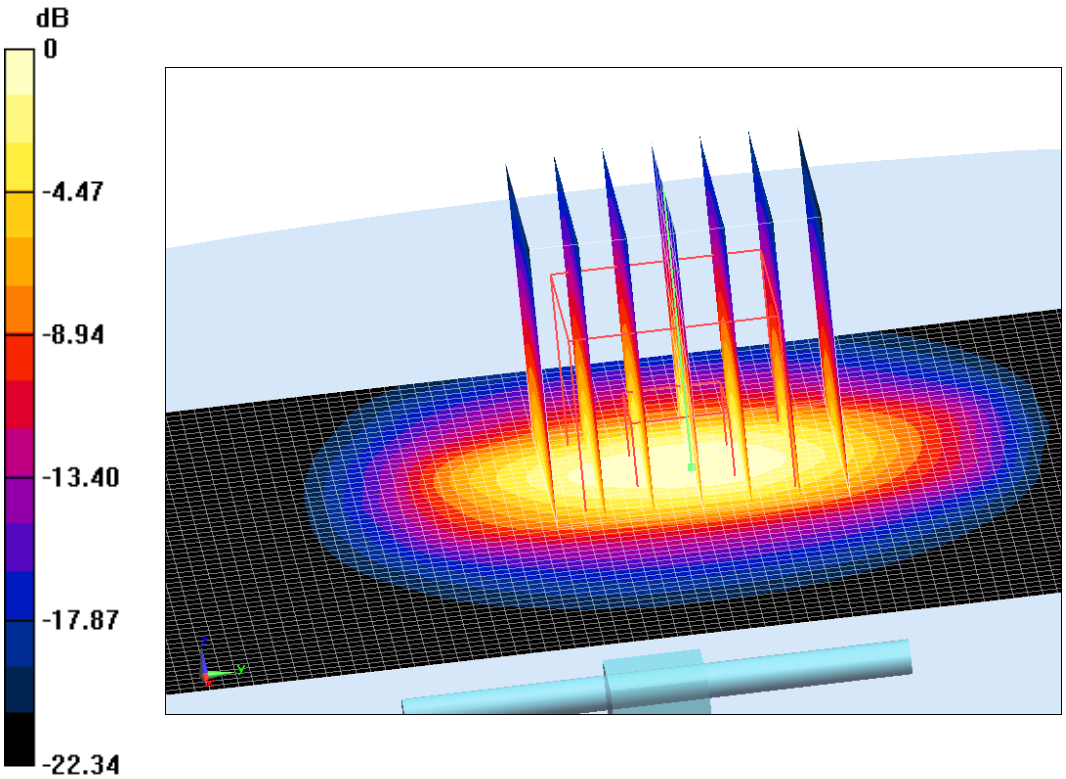
Fig.B.4 validation 1900 MHz 250mW

2450 MHz

Date: 11/23/2019
Electronics: DAE4 Sn771
Medium: Head 2450 MHz
Medium parameters used: f = 2450 MHz; σ =1.784 mho/m; ε_r = 39.05; ρ = 1000 kg/m^3
Ambient Temperature: 22.5ºC Liquid Temperature: 22.3ºC
Communication System: CW Frequency: 2450 MHz Duty Cycle: 1:1
Probe: EX3DV4 – SN3617 ConvF(7.62,7.62,7.62)

System Validation /Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 116.72 V/m; Power Drift = -0.08
Fast SAR: SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.97 W/kg
Maximum value of SAR (interpolated) = 21.99 W/kg

System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value =116.72 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 25.53 W/kg
SAR(1 g) = 13.14 W/kg; SAR(10 g) = 6.16 W/kg
Maximum value of SAR (measured) = 21.92 W/kg



0 dB = 21.92 W/kg = 13.41 dB W/kg

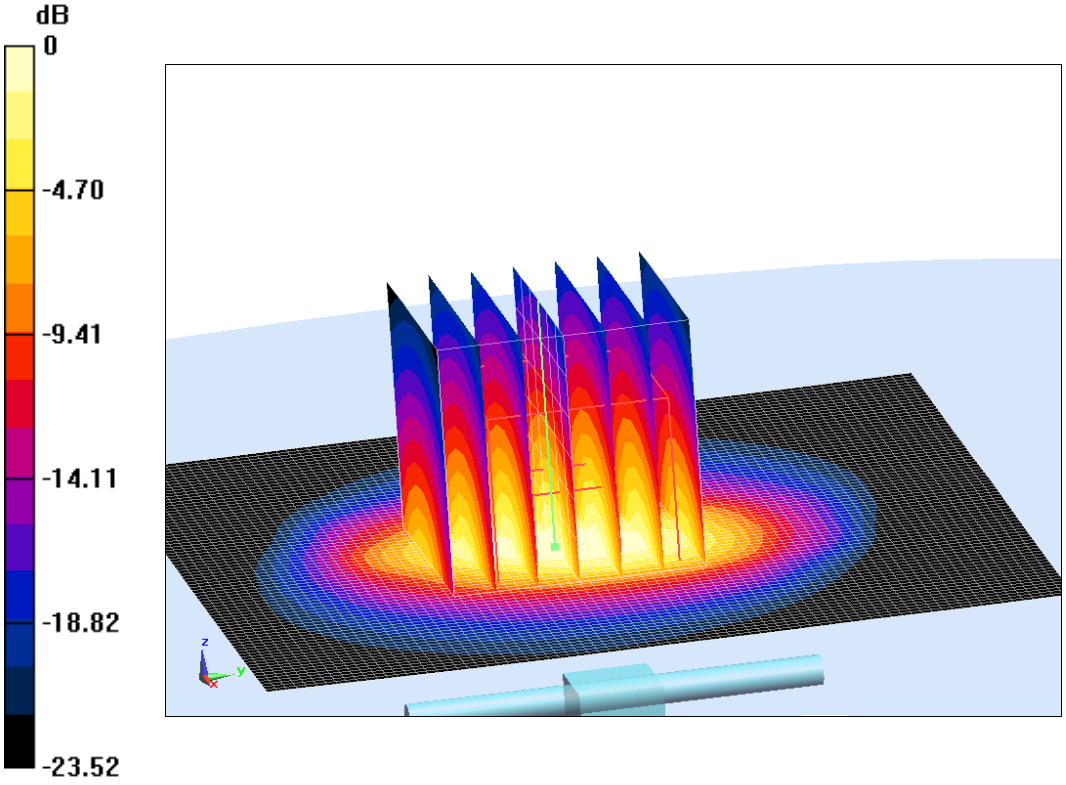
Fig.B.5 validation 2450 MHz 250mW

2600 MHz

Date: 11/23/2019
Electronics: DAE4 Sn771
Medium: Head 2600 MHz
Medium parameters used: f = 2600 MHz; σ =1.966 mho/m; ε_r = 39.57; ρ = 1000 kg/m^3
Ambient Temperature: 22.5ºC Liquid Temperature: 22.3ºC
Communication System: CW Frequency: 2600 MHz Duty Cycle: 1:1
Probe: EX3DV4 – SN3617 ConvF(7.19,7.19,7.19)

System Validation /Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 118.31 V/m; Power Drift = -0.05
Fast SAR: SAR(1 g) = 13.82 W/kg; SAR(10 g) = 6.2 W/kg
Maximum value of SAR (interpolated) = 25.14 W/kg

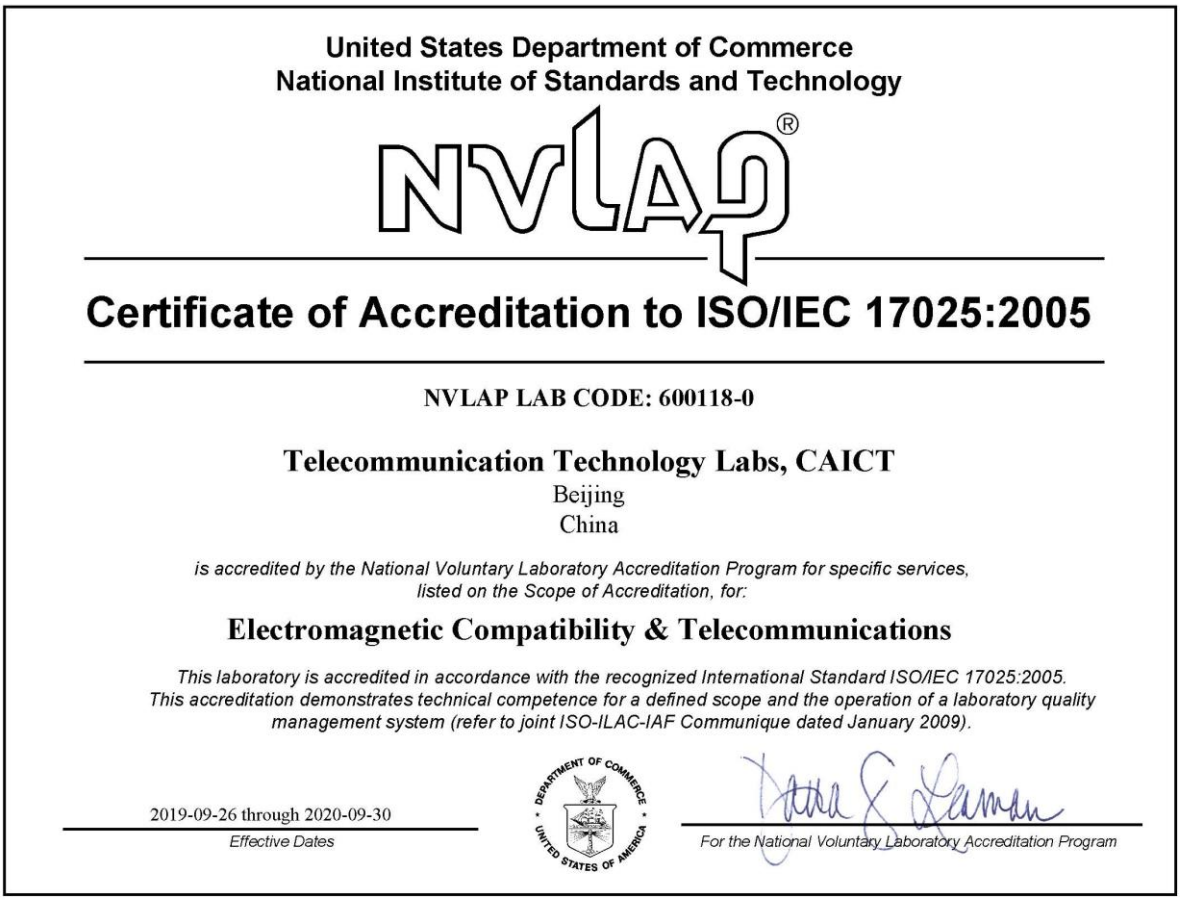
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value =118.31 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 28.68 W/kg
SAR(1 g) = 14.17 W/kg; SAR(10 g) = 6.31 W/kg
Maximum value of SAR (measured) = 23.74 W/kg



0 dB = 23.74 W/kg = 13.75 dB W/kg

Fig.B.6 validation 2600 MHz 250mW

ANNEX J Accreditation Certificate



United States Department of Commerce
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NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT
Beijing
China

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Electromagnetic Compatibility & Telecommunications

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2019-09-26 through 2020-09-30
Effective Dates

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

For the National Voluntary Laboratory Accreditation Program