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Appendix C: System Performance Check

Report Date : 07-Jun-2013
By Operator : Dino Chen
DUT : Dinole

DUT : Dipole

Frequency: 2450.00 MHz Max. Transmit Pwr: 1 W

APREL ALSAS-10U System Description

Phantom Data

Name : Universal Phantom

Type : ALS-P-UP-1

Tissue Data

Type : Body

Frequency: 2450.00 MHz

Probe Data

Name : E-field Probe Model : ALS-E-020

Serial No. : 266

Last Calib. Date: 20-Aug-2012

Measurement Data Crest Factor : 1

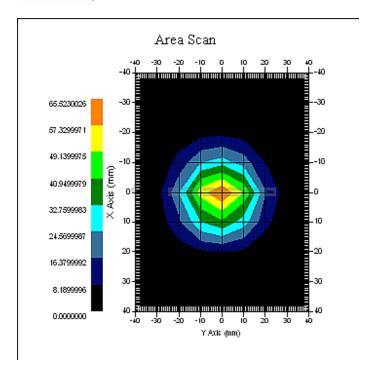
Scan Type : Complete Tissue Temp. : 22.00 °C Ambient Temp. : 21.70 °C

Area Scan : 9x9x1 : Measurement x=10mm, y=10mm, z=4mm Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Separation : 1cm





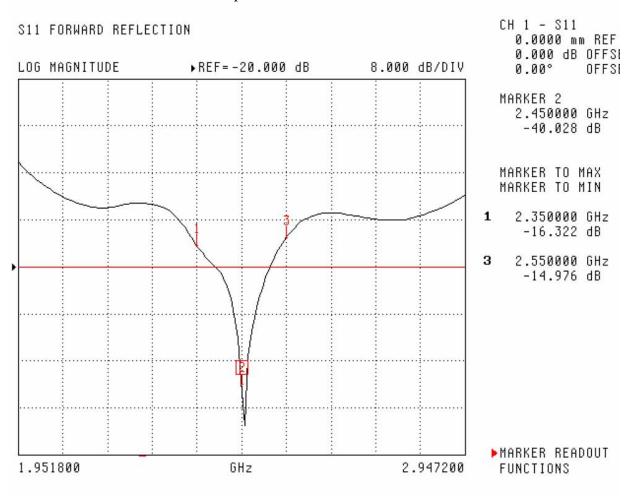


1 gram SAR value : 53.112 W/kg 10 gram SAR value : 25.083 W/kg Area Scan Peak SAR : 65.339 W/kg Zoom Scan Peak SAR : 104.09 W/kg



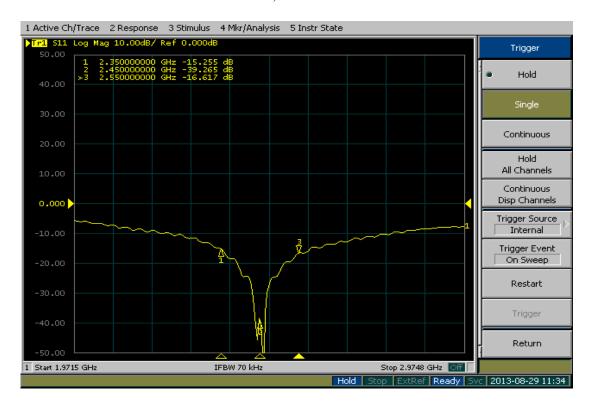
Electrical Calibration			
Test	Result	Validation	Difference
S11	-16.32dB	-16.62dB	1.8%
Impedance	10.33 Ω	13.97 Ω	3.64 Ω

S11 Parameter Return Loss –Cal. report

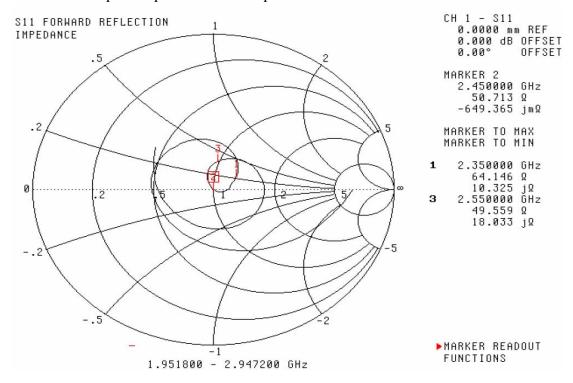




S11 Parameter Return Loss – Self Check, Date 08/29/2013

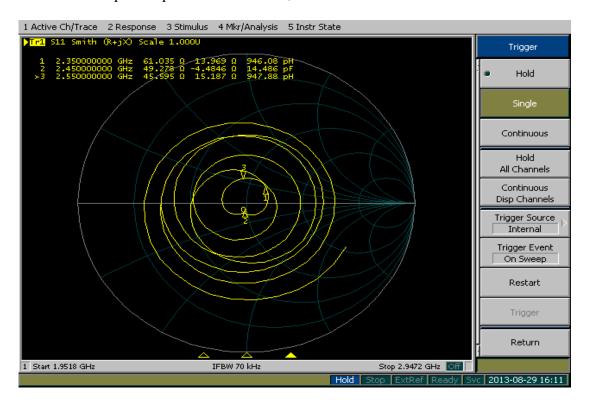


Smith Chart Dipole Impedance -Cal. Report



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Smith Chart Dipole Impedance –self check, Date 08/29/2013





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Appendix C: System Performance Check

: 11-Jun-2013 Report Date By Operator : Dino Chen

DUT : Dipole

Frequency : 5200.00 MHz Max. Transmit Pwr: 1 W

APREL ALSAS-10U System Description

Phantom Data

: Universal Phantom Name

: ALS-P-UP-1 Type

Tissue Data

Type : Body

Frequency : 5200.00 MHz

Probe Data

Name : E-field Probe : ALS-E-020 Model

Serial No. : 266

Last Calib. Date: 20-Aug-2012

Measurement Data Crest Factor : 1

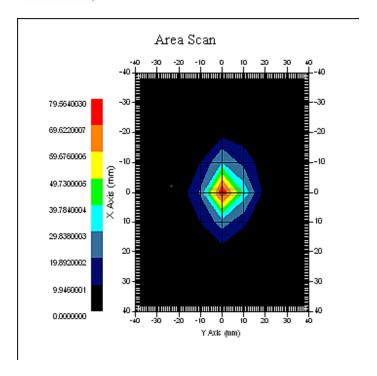
Scan Type : Complete Tissue Temp. : 22.00 °C Ambient Temp. : 21.70 °C

Area Scan : 9x9x1 : Measurement x=10mm, y=10mm, z=4mm Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Separation : 1cm





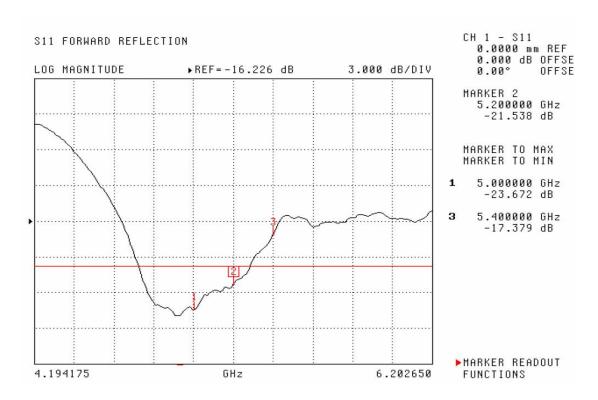


1 gram SAR value : 69.311 W/kg 10 gram SAR value : 22.089 W/kg Area Scan Peak SAR : 79.482 W/kg Zoom Scan Peak SAR : 188.662 W/kg



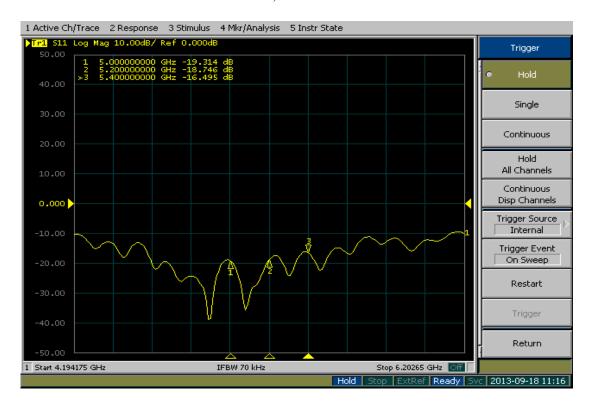
Electrical Calibration			
Test	Result	Validation	Diference
S11	-23.67	-19.31dB	18.41%
Impedance	51.17Ω	53.93 Ω	2.76Ω

S11 Parameter Return Loss -Cal. report

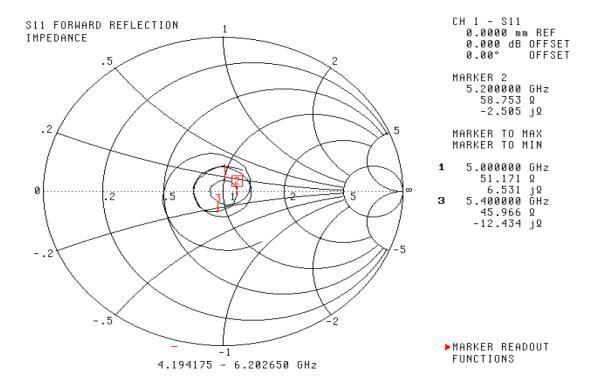




S11 Parameter Return Loss – Self Check, Date 09/18/2013



Smith Chart Dipole Impedance -Cal. Report

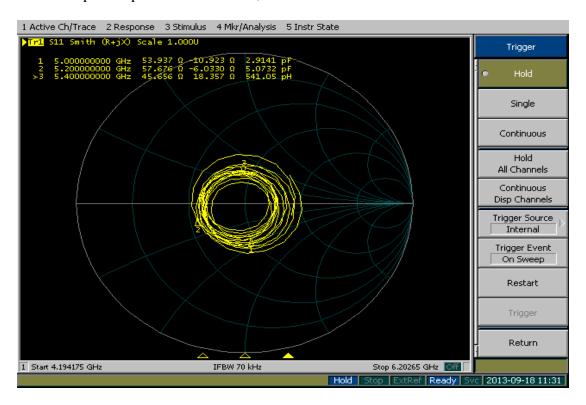


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Report Number: ISL-13LR100FSAR

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Smith Chart Dipole Impedance –self check, Date 09/18/2013





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Appendix C: System Performance Check

Report Date :11-Jun-2013 By Operator : Dino Chen

DUT : Dipole

Frequency: 5600.00 MHz Max. Transmit Pwr: 1 W

APREL ALSAS-10U System Description

Phantom Data

Name : Universal Phantom

Type : ALS-P-UP-1

Tissue Data

Type : Body

Frequency: 5600.00 MHz

Probe Data

Name : E-field Probe Model : ALS-E-020

Serial No. : 266

Last Calib. Date: 20-Aug-2012

Measurement Data Crest Factor : 1

Scan Type : Complete Tissue Temp. : 22.00 °C Ambient Temp. : 21.70 °C

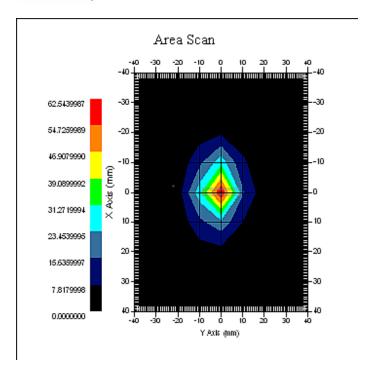
Area Scan : 9x9x1 : Measurement x=10mm, y=10mm, z=4mm Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Separation : 1cm



Report Number: ISL-13LR100FSAR



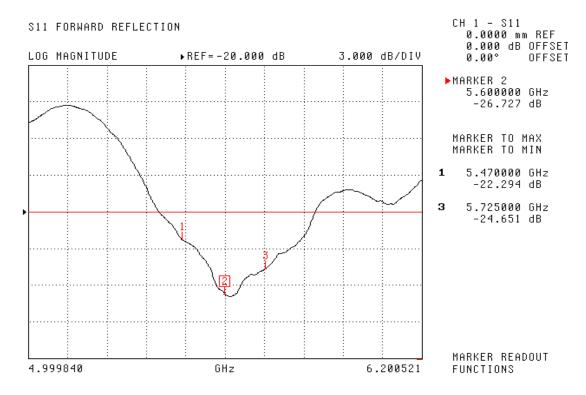


1 gram SAR value : 65.273 W/kg 10 gram SAR value : 21.348 W/kg Area Scan Peak SAR : 62.544 W/kg Zoom Scan Peak SAR : 181.334 W/kg



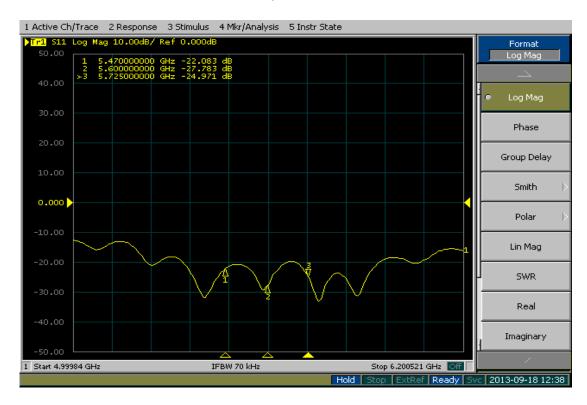
Electrical Calibration			
Test	Result	Validation	Diference
S11	-26.727dB	-27.783dB	3.95%
Impedance	53.674Ω	51.579Ω	-2.09 Ω

S11 Parameter Return Loss -Cal. report

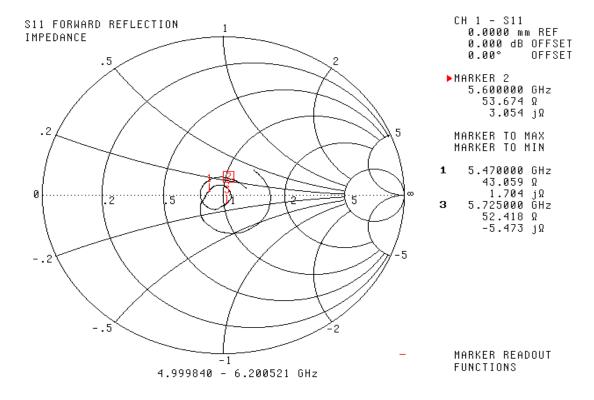




S11 Parameter Return Loss – Self Check, Date 09/18/2013



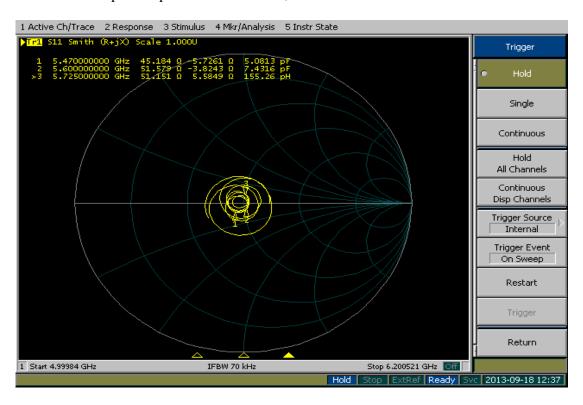
Smith Chart Dipole Impedance -Cal. Report



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Appendix C: System Performance Check

Report Date :11-Jun-2013 By Operator : Dino Chen

DUT : Dipole

Frequency: 5800.00 MHz Max. Transmit Pwr: 1 W

APREL ALSAS-10U System Description

Phantom Data

Name : Universal Phantom

Type : ALS-P-UP-1

Tissue Data

Type : Body

Frequency: 5800.00 MHz

Probe Data

Name : E-field Probe Model : ALS-E-020

Serial No. : 266

Last Calib. Date: 20-Aug-2012

Measurement Data Crest Factor : 1

Scan Type : Complete Tissue Temp. : 22.00 °C Ambient Temp. : 21.70 °C

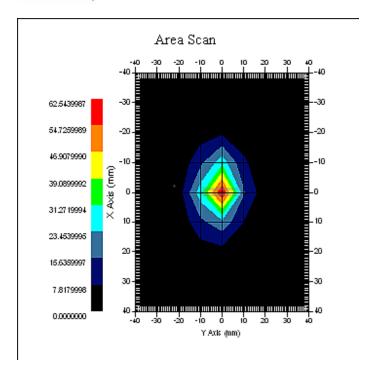
Area Scan : 9x9x1 : Measurement x=10mm, y=10mm, z=4mm Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Separation : 1cm



Report Number: ISL-13LR100FSAR



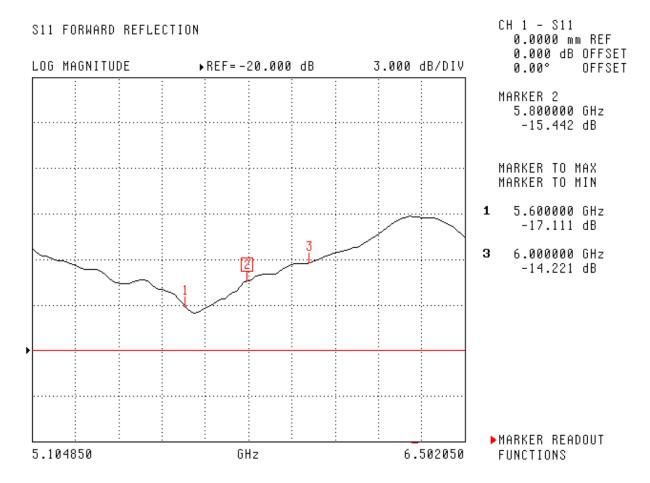


1 gram SAR value : 58.478 W/kg 10 gram SAR value : 20.117 W/kg Area Scan Peak SAR : 62.641 W/kg Zoom Scan Peak SAR : 162.059 W/kg



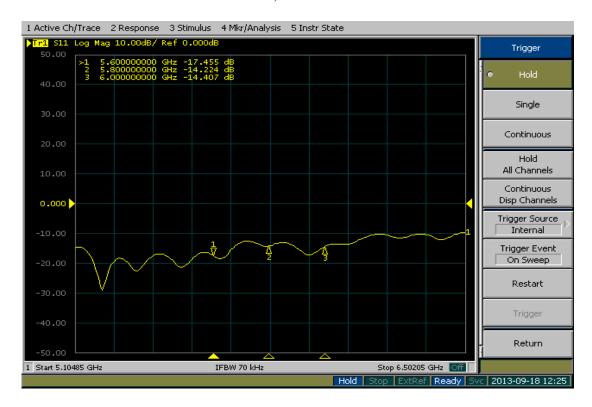
Electrical Calibration			
Test	Result	Validation	Diference
S11	-17.11dB	-17.45dB	1.98%
Impedance	49.33 Ω	47.85 Ω	-1.48Ω

S11 Parameter Return Loss –Cal. report

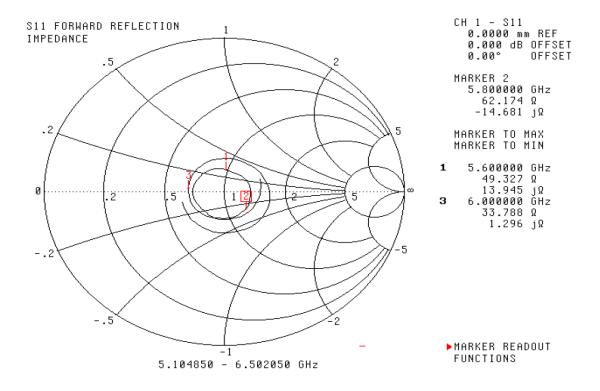




S11 Parameter Return Loss – Self Check, Date 09/18/2013



Smith Chart Dipole Impedance -Cal. Report



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Smith Chart Dipole Impedance –self check, Date 09/18/2013

