NCL CALIBRATION LABORATORIES

Report No: RSZ151102002-20

Calibration File No: DC-1531 Project Number: BACL-5745

CERTIFICATE OF CALIBRATION

It is certified that the equipment identified below has been calibrated in the NCL CALIBRATION LABORATORIES by qualified personnel following recognized procedures and using transfer standards traceable to NRC/NIST.

BACL Head & Body Validation Dipole

Manufacturer: APREL Laboratories
Part number: ALS-D-1750-S-2
Frequency: 1750 MHz
Serial No: 198-00304

Customer: ISL

Calibrated: 8th October, 2013 Released on: 8th October, 2013

This Calibration Certificate is Incomplete Unless Accompanied with the Calibration Results Summary

Released By:

Art Brennan, Quality Manager

NCL CALIBRATION LABORATORIES

Suite 102, 303 Terry Fox Dr, OTTAWA, ONTARIO CANADA K2K 3J1 Division of APREL Lab. TEL: (613) 435-8300 FAX: (613) 435-8306

SAR Evaluation Report 127 of 164

Division of APREL Laboratories.

Conditions

Dipole 198-00304 was an original calibration.

Ambient Temperature of the Laboratory: 22 °C +/- 0.5 °C Temperature of the Tissue: 21 °C +/- 0.5 °C

We the undersigned attest that to the best of our knowledge the calibration of this subject has been accurately conducted and that all information contained within the results pages have been reviewed for accuracy.

Art Brennan, Quality Manager

Constantin Teodorian, Test Engineer

Report No: RSZ151102002-20

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 128 of 164

Division of APREL Laboratories.

Calibration Results Summary

The following results relate the Calibrated Dipole and should be used as a quick reference for the user.

Mechanical Dimensions

Length: 75 mm Height: 42 mm

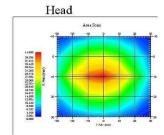
Electrical Calibration

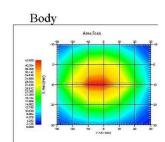
Test	Result Head	Result Body
S11 R/L	-25.567	-20.548 dB
SWR	1.111U	1.207 U
Impedance	53.637Ω	55.929 Ω

System Validation Results, 1750 MHz

1	1g	10g	
Head	37.02	18.99	
Body	36.65	18.85	

Туре	Epsilon	Sigma	
Head	38.51	1.36	
Body	51.79	1.53	





This page has been reviewed for content and attested to by signature within this document.

3

Report No: RSZ151102002-20

Division of APREL Laboratories.

Introduction

This Calibration Report has been produced in line with the SSI Dipole Calibration Procedure SSI-TP-018-ALSAS. The results contained within this report are for Validation Dipole. The calibration routine consisted of a three-step process. Step 1 was a mechanical verification of the dipole to ensure that it meets the mechanical specifications. Step 2 was an Electrical Calibration for the Validation Dipole, where the SWR, Impedance, and the Return loss were assessed. Step 3 involved a System Validation using the ALSAS-10U, along with APREL E-030 130 MHz to 26 GHz E-Field Probe Serial Number 215.

References

SSI-TP-018-ALSAS Dipole Calibration Procedure

SSI-TP-016 Tissue Calibration Procedure

IEEE 1528 "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques"

IEC-62209 "Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures"

Part 1: "Procedure to determine the Specific Absorption Rate (SAR) for hand-held devices used in close proximity of the ear (frequency range of 300 MHz to 3 GHz)" IEC-62209 "Human exposure to radio frequency fields from hand-held and bodymounted wireless communication devices – Human models, instrumentation, and procedures"

Part 2 *Draft*: "Procedure to determine the Specific Absorption Rate (SAR) for handheld devices used in close proximity of the ear (frequency range of 30 MHz to 6 GHz)"

Conditions

Ambient Temperature of the Laboratory: 22 °C +/- 0.5°C Temperature of the Tissue: 20 °C +/- 0.5°C

This was an original calibration taken from stock.

Dipole Calibration uncertainty

The calibration uncertainty for the dipole is made up of various parameters presented below.

Mechanical1%Positioning Error1.22%Electrical1.7%Tissue2.2%Dipole Validation2.2%

TOTAL 8.32% (16.64% K=2)

4

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 130 of 164

Division of APREL Laboratories.

Dipole Calibration Results

Mechanical Verification

Measured	Measured
Length	Height
75 mm	42 mm

Tissue Validation

Frequency	Permittivity ε	Conductivity σ
1750 Head	38.23	1.38
1750 Body	52.86	1.54

5

Report No: RSZ151102002-20

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 131 of 164

Division of APREL Laboratories.

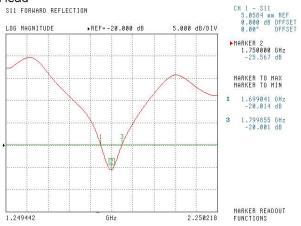
Electrical Calibration

Test	Result Head	Result Body
S11 R/L	-25.567	-20.548 dB
SWR	1.111U	1.207 U
Impedance	53.637Ω	55.929 Ω

The Following Graphs are the results as displayed on the Vector Network Analyzer.

S11 Parameter Return Loss

Head



Body



6

Report No: RSZ151102002-20

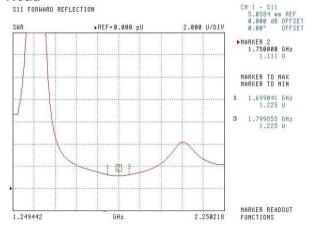
This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 132 of 164

Division of APREL Laboratories.

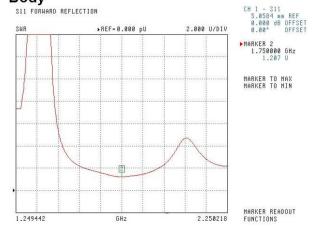
SWR

Head



Body



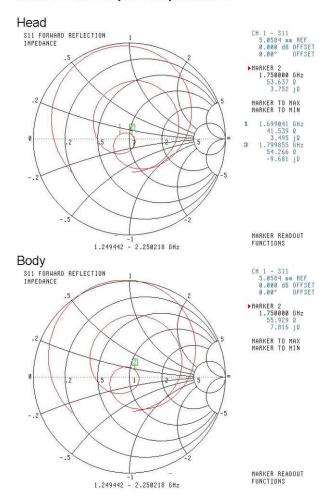


This page has been reviewed for content and attested to by signature within this document.

133 of 164 **SAR Evaluation Report**

Division of APREL Laboratories.

Smith Chart Dipole Impedance



8

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 134 of 164

Division of APREL Laboratories.

Test Equipment

The test equipment used during Probe Calibration, manufacturer, model number and, current calibration status are listed and located on the main APREL server R:\NCL\Calibration Equipment\Instrument List May 2013

.

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 135 of 164

9

Report No: RSZ151102002-20

NCL CALIBRATION LABORATORIES

Report No: RSZ151102002-20

Calibration File No: DC-1601 Project Number: BAC-dipole -cal-5779

CERTIFICATE OF CALIBRATION

It is certified that the equipment identified below has been calibrated in the NCL CALIBRATION LABORATORIES by qualified personnel following recognized procedures and using transfer standards traceable to NRC/NIST.

Validation Dipole (Head & Body)

Manufacturer: APREL Laboratories Part number: ALS-D-1900-S-2 Frequency: 1900 MHz Serial No: 210-00710

Customer: Bay Area Compliance Laboratory (China)

Calibrated: 9th October, 2014 Released on: 9th October, 2014

This Calibration Certificate is Incomplete Unless Accompanied with the Calibration Results Summary

Released By:

Art Brennan, Quality Manager

NCL CALIBRATION LABORATORIES

e 102, 303 Terry Fox Dr. Division of APREL Lab.
Kanata, ONTARIO TEL: (613) 435-8300
CANADA K2K3J1 FAX: (613)435-8306

136 of 164 SAR Evaluation Report

Division of APREL Laboratories.

Conditions

Dipole 210-00710 was received in good condition and was a re-calibration.

Ambient Temperature of the Laboratory: 22 °C +/- 0.5°C Temperature of the Tissue: 21 °C +/- 0.5°C

Attestation

The below named signatories have conducted the calibration and review of the data which is presented in this calibration report.

We the undersigned attest that to the best of our knowledge the calibration of this subject has been accurately conducted and that all information contained within the results pages have been reviewed for accuracy.

Report No: RSZ151102002-20

Art Brennan, Quality Manager

Maryna Nesterova ¢alibration Engineer

Primary Measurement Standards

 Instrument
 Serial Number
 Cal due date

 Tektronix USB Power Meter
 11C940
 May 14, 2015

 Network Analyzer Anritsu 37347C
 002106
 Feb. 20, 2015

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 137 of 164

Division of APREL Laboratories.

Calibration Results Summary

The following results relate the Calibrated Dipole and should be used as a quick reference for the user.

Mechanical Dimensions

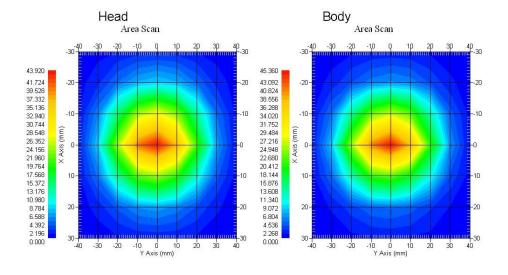
Length: 67.1 mm **Height:** 38.9 mm

Electrical Specification

Tissue	Frequency	SWR:	Return Loss	Impedance
Head	1900MHz	1.084 U	-27.92 dB	52.247 Ω
Body	1900MHz	1.128 U	-24.40 dB	52.618 Ω

System Validation Results

	Tissue	Frequency	1 Gram	10 Gram	Peak
	Head	1900 MHz	39.481	20.44	73.364
Г	Body	1900 MHz	39.715	20.552	73.565



This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 138 of 164

3

Report No: RSZ151102002-20

Division of APREL Laboratories.

Introduction

This Calibration Report has been produced in line with the SSI Dipole Calibration Procedure SSI-TP-018-ALSAS. The results contained within this report are for Validation Dipole 210-00710. The calibration routine consisted of a three-step process. Step 1 was a mechanical verification of the dipole to ensure that it meets the mechanical specifications. Step 2 was an Electrical Calibration for the Validation Dipole, where the SWR, Impedance, and the Return loss were assessed. Step 3 involved a System Validation using the ALSAS-10U, along with APREL E-020 30 MHz to 6 GHz E-Field Probe Serial Number 225.

References

- IEC-62209 "Human exposure to radio frequency fields from hand-held and bodymounted wireless communication devices – Human models, instrumentation, and procedures"
- Part 2: "Procedure to determine the Specific Absorption Rate (SAR) for handheld devices used in close proximity of the ear (frequency range of 30 MHz to 6 GHz)"
- TP-D01-032-E020-V2 E-Field probe calibration procedure
- D22-012-Tissue dielectric tissue calibration procedure
- D28-002-Dipole procedure for validation of SAR system using a dipole
- IEEE 1309 Draft Standard for Calibration of Electromagnetic Field Sensors and Probes, Excluding Antennas, from 9kHz to 40GHz

Conditions

Dipole 210-00710 was a recalibration.

Ambient Temperature of the Laboratory: 22 °C +/- 0.5°C Temperature of the Tissue: 20 °C +/- 0.5°C

Dipole Calibration uncertainty

The calibration uncertainty for the dipole is made up of various parameters presented below.

Mechanical1%Positioning Error1.22%Electrical1.7%Tissue2.2%Dipole Validation2.2%

TOTAL 8.32% (16.64% K=2)

2

Report No: RSZ151102002-20

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 139 of 164

Division of APREL Laboratories.

Dipole Calibration Results

Mechanical Verification

	APREL	APREL	Measured	Measured
	Length	Height	Length	Height
ſ	68.0 mm	39.5 mm	67.1mm	38.9 mm

Electrical Validation

Tissue	Frequency	SWR:	Return Loss	Impedance
Head	1900MHz	1.084 U	-27.92 dB	52.247 Ω
Body	1900MHz	1.128 U	-24.40 dB	52.618 Ω

Tissue Validation

	Dielectric constant, ε _r	Conductivity, o [S/m]
Head Tissue 1900MHz	40.20	1.38
Body Tissue 1900MHz	52.63	1.46

5

Report No: RSZ151102002-20

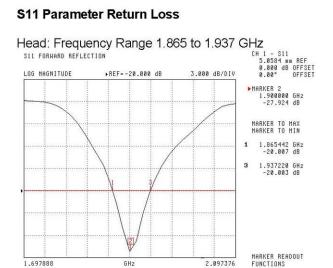
This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 140 of 164

Division of APREL Laboratories.

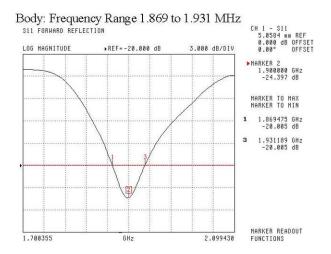
The Following Graphs are the results as displayed on the Vector Network Analyzer.

1.697888



2.097376

GHz



This page has been reviewed for content and attested to by signature within this document.

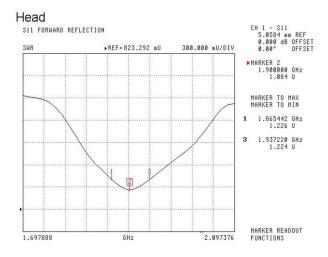
141 of 164 SAR Evaluation Report

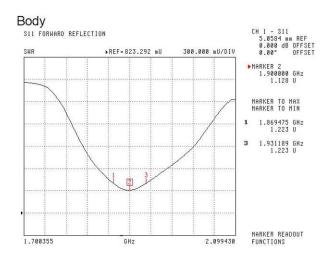
6

Report No: RSZ151102002-20

Division of APREL Laboratories.

SWR





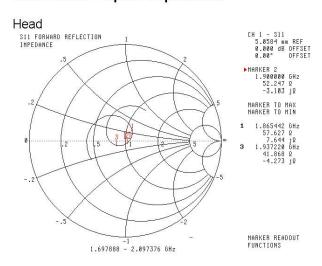
This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 142 of 164

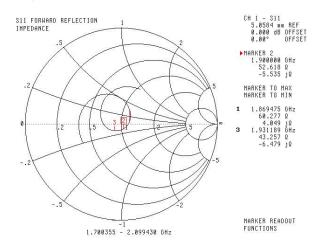
7

Division of APREL Laboratories.

Smith Chart Dipole Impedance



Body



This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 143 of 164

8

Division of APREL Laboratories.

Test Equipment

The test equipment used during Probe Calibration, manufacturer, model number and, current calibration status are listed and located on the main APREL server R:\NCL\Calibration Equipment\Instrument List 2014

9

Report No: RSZ151102002-20

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 144 of 164

NCL CALIBRATION LABORATORIES

Report No: RSZ151102002-20

Calibration File No: DC-1602 Project Number: BAC-dipole-cal-5779

CERTIFICATE OF CALIBRATION

It is certified that the equipment identified below has been calibrated in the NCL CALIBRATION LABORATORIES by qualified personnel following recognized procedures and using transfer standards traceable to NRC/NIST.

Validation Dipole (Head & Body)

Manufacturer: APREL Laboratories Part number: ALS-D-2450-S-2 Frequency: 2450 MHz Serial No: 220-00758

Customer: Bay Area Compliance Laboratory

Calibrated: 9th October, 2014 Released on: 9th October, 2014

This Calibration Certificate is Incomplete Unless Accompanied with the Calibration Results Summary

Released By:

Art Brennan, Quality Manager

NCL CALIBRATION LABORATORIES e 102, 303 Terry Fox Dr. Division of APREL Lab.
Kanata, ONTARIO TEL: (613) 435-8300
CANADA K2K 3J1 FAX: (613)435-8306

SAR Evaluation Report 145 of 164

Division of APREL Laboratories.

Conditions

Dipole 220-00758 was received in good condition and was a re-calibration.

Ambient Temperature of the Laboratory: 22 °C +/- 0.5°C Temperature of the Tissue: 21 °C +/- 0.5°C

Attestation

The below named signatories have conducted the calibration and review of the data which is presented in this calibration report.

We the undersigned attest that to the best of our knowledge the calibration of this subject has been accurately conducted and that all information contained within the results pages have been reviewed for accuracy.

Report No: RSZ151102002-20

Art Brennan, Quality Manager

Maryna Nesterova Calibration Engineer

Primary Measurement Standards

InstrumentSerial NumberCal due dateTektronix USB Power Meter11C940May 14, 2015Network Analyzer Anritsu 37347C002106Feb. 20, 2015

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 146 of 164

Division of APREL Laboratories.

Calibration Results Summary

The following results relate the Calibrated Dipole and should be used as a quick reference for the user.

Mechanical Dimensions

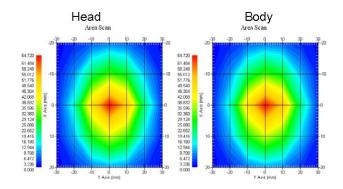
Length:52.4 mmHeight:30.3 mm

Electrical Specification

Tissue	Frequency	SWR:	Return Loss	Impedance
Head	2450 MHz	1.014 U	-45.184 dB	50.006Ω
Body	2450 MHz	1.070 U	-29.453 dB	50.672 Ω

System Validation Results

Tissue	Frequency	1 Gram	10 Gram	Peak
Head	2450 MHz	54.916	25.327	111.97
Body	2450 MHz	52.418	24.691	103.91



3

Report No: RSZ151102002-20

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 147 of 164

Division of APREL Laboratories.

Introduction

This Calibration Report has been produced in line with the SSI Dipole Calibration Procedure SSI-TP-018-ALSAS. The results contained within this report are for Validation Dipole 220-00758. The calibration routine consisted of a three-step process. Step 1 was a mechanical verification of the dipole to ensure that it meets the mechanical specifications. Step 2 was an Electrical Calibration for the Validation Dipole, where the SWR, Impedance, and the Return loss were assessed. Step 3 involved a System Validation using the ALSAS-10U, along with APREL E-020 30 MHz to 6 GHz E-Field Probe Serial Number 225.

References

SSI-TP-018-ALSAS Dipole Calibration Procedure

SSI-TP-016 Tissue Calibration Procedure

IEEE 1528 "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques"

IEC-62209 "Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures"

Part 1: "Procedure to determine the Specific Absorption Rate (SAR) for hand-held devices used in close proximity of the ear (frequency range of 300 MHz to 3 GHz)" IEC-62209 "Human exposure to radio frequency fields from hand-held and bodymounted wireless communication devices – Human models, instrumentation, and procedures"

Part 2 Draft: "Procedure to determine the Specific Absorption Rate (SAR) for handheld devices used in close proximity of the ear (frequency range of 30 MHz to 6 GHz)"

Conditions

Dipole 220-00758 was a re-calibration.

Ambient Temperature of the Laboratory: $22 \,^{\circ}\text{C} \,^{+/-} \,^{0.5^{\circ}\text{C}}$ Temperature of the Tissue: $20 \,^{\circ}\text{C} \,^{+/-} \,^{0.5^{\circ}\text{C}}$

Dipole Calibration uncertainty

The calibration uncertainty for the dipole is made up of various parameters presented below.

Mechanical1%Positioning Error1.22%Electrical1.7%Tissue2.2%Dipole Validation2.2%

TOTAL 8.32% (16.64% K=2)

4

Report No: RSZ151102002-20

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 148 of 164

Division of APREL Laboratories.

Dipole Calibration Results

Mechanical Verification

APREL	APREL	Measured	Measured
Length	Height	Length	Height
51.5 mm	30.4 mm	52.4 mm	30.3 mm

Electrical Specification

Tissue	Frequency	SWR:	Return Loss	Impedance
Head	2450 MHz	1.014 U	-45.184 dB	50.006Ω
Body	2450 MHz	1.070 U	-29.453 dB	50.672 Ω

Tissue Validation

	Dielectric constant, ε _r	Conductivity, o [S/m]
Head Tissue 2450MHz	37.26	1.84
Body Tissue 2450MHz	53.61	1.90

5

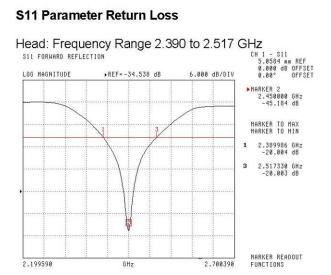
Report No: RSZ151102002-20

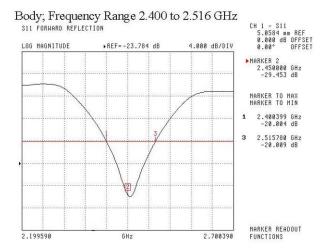
This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 149 of 164

Division of APREL Laboratories.

The Following Graphs are the results as displayed on the Vector Network Analyzer.





This page has been reviewed for content and attested to by signature within this document.

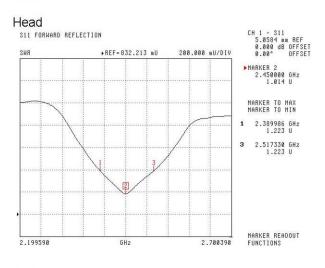
150 of 164 SAR Evaluation Report

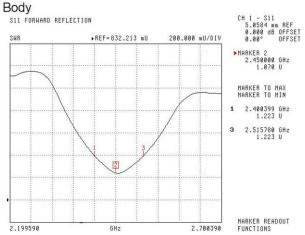
6

Report No: RSZ151102002-20

Division of APREL Laboratories.

SWR





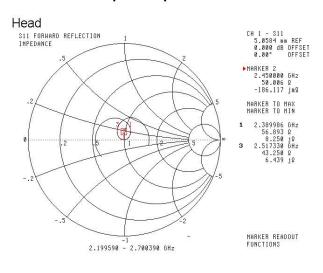
This page has been reviewed for content and attested to by signature within this document.

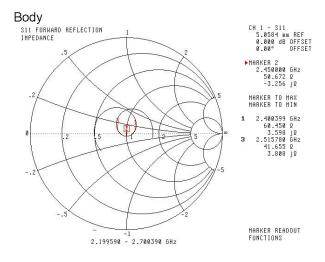
SAR Evaluation Report 151 of 164

7

Division of APREL Laboratories.

Smith Chart Dipole Impedance





This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 152 of 164

8

Division of APREL Laboratories.

Test Equipment

The test equipment used during Probe Calibration, manufacturer, model number and, current calibration status are listed and located on the main APREL server R:\NCL\Calibration Equipment\Instrument List May 2014.

9

Report No: RSZ151102002-20

This page has been reviewed for content and attested to by signature within this document.

SAR Evaluation Report 153 of 164

APPENDIX D EUT TEST POSITION PHOTOS

Liquid depth ≥ 15cm

Report No: RSZ151102002-20



Body-worn Back Setup Photo (10mm)



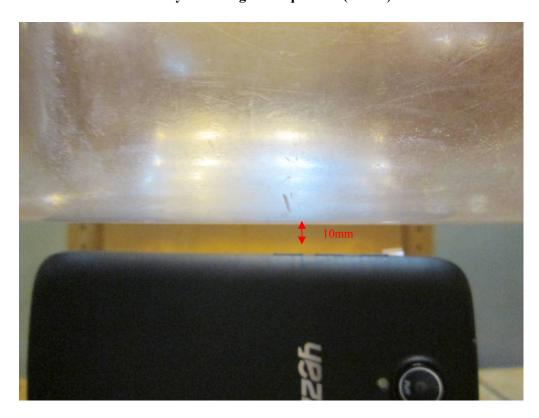
SAR Evaluation Report 154 of 164

Body-worn Left Setup Photo (10mm)

Report No: RSZ151102002-20

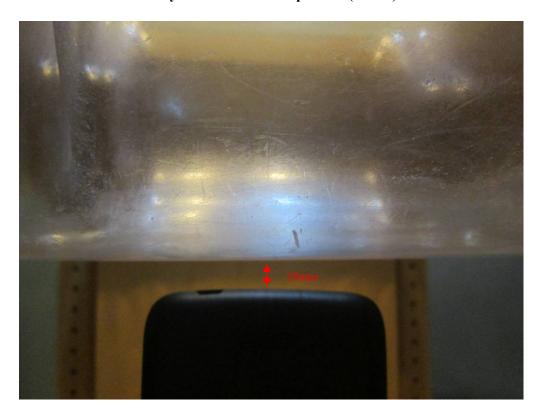


Body-worn Right Setup Photo (10mm)



SAR Evaluation Report 155 of 164

Body-worn Bottom Setup Photo (10mm)



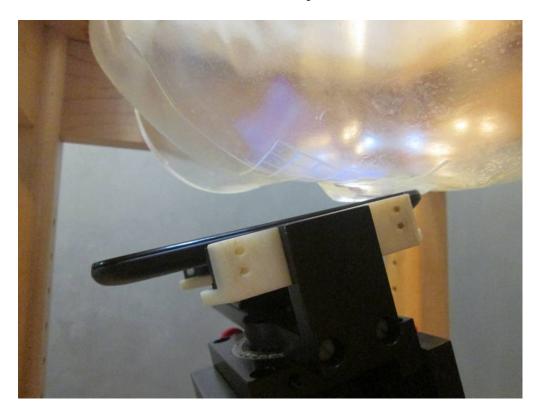
Left Head Touch Setup Photo



SAR Evaluation Report 156 of 164

Left Head Tilt Setup Photo

Report No: RSZ151102002-20



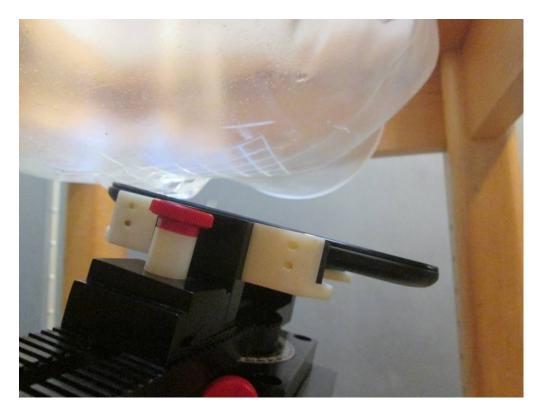
Right Head Touch Setup Photo



SAR Evaluation Report 157 of 164

Right Head Tilt Setup Photo

Report No: RSZ151102002-20



SAR Evaluation Report 158 of 164

APPENDIX E EUT PHOTOS

EUT - Front View



EUT – Back View



SAR Evaluation Report 159 of 164

EUT -Left Side View

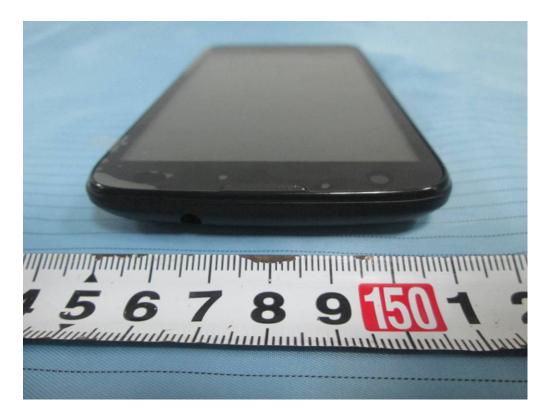


EUT – Right Side View

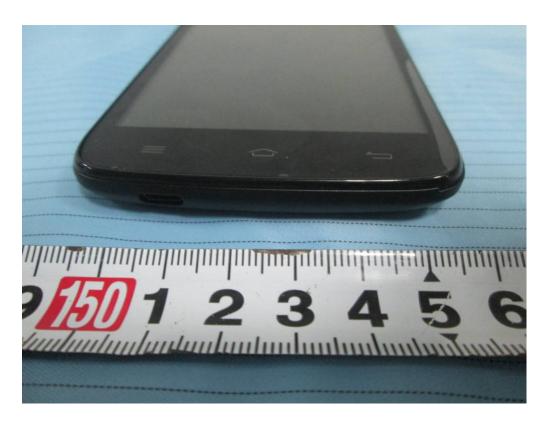


SAR Evaluation Report 160 of 164

EUT - Top View



EUT – Bottom View



SAR Evaluation Report 161 of 164

EUT – Uncover View

Report No: RSZ151102002-20



SAR Evaluation Report 162 of 164

APPENDIX F INFORMATIVE REFERENCES

- [1] Federal Communications Commission, \Report and order: Guidelines for evaluating the environmental effects of radiofrequency radiation", Tech. Rep. FCC 96-326, FCC, Washington, D.C. 20554, 1996.
- [2] David L. Means Kwok Chan, Robert F. Cleveland, \Evaluating compliance with FCC guidelines for human exposure to radiofrequency electromagnetic fields", Tech. Rep., Federal Communication Commission, O ce of Engineering & Technology, Washington, DC, 1997.
- [3] Thomas Schmid, Oliver Egger, and Niels Kuster, \Automated E-_eld scanning system for dosimetricPage 163 of 164 assessments", IEEE Transactions on Microwave Theory and Techniques, vol. 44, pp. 105{113, Jan. 1996.
- [4] Niels Kuster, Ralph K.astle, and Thomas Schmid, \Dosimetric evaluation of mobile communications equipment with known precision", IEICE Transactions on Communications, vol. E80-B, no. 5, pp. 645 (652, May 1997.
- [5] CENELEC, \Considerations for evaluating of human exposure to electromagnetic fields (EMFs) from mobile telecommunication equipment (MTE) in the frequency range 30MHz 6GHz", Tech. Rep., CENELEC, European Committee for Electrotechnical Standardization, Brussels, 1997.
- [6] ANSI, ANSI/IEEE C95.1-1992: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz, The Institute of Electrical and Electronics Engineers, Inc., New York, NY 10017, 1992.
- [7] Katja Pokovic, Thomas Schmid, and Niels Kuster, \Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies", in ICECOM _ 97, Dubrovnik, October 15 {17, 1997, pp. 120-24.
- [8] Katja Pokovic, Thomas Schmid, and Niels Kuster, \E-field probe with improved isotropy in brain simulating liquids", in Proceedings of the ELMAR, Zadar, Croatia, 23 {25 June, 1996, pp. 172-175.
- [9] Volker Hombach, Klaus Meier, Michael Burkhardt, Eberhard K. uhn, and Niels Kuster, \The dependence of EM energy absorption upon human head modeling at 900 MHz", IEEE Transactions on Microwave Theory and Techniques, vol. 44, no. 10, pp. 1865-1873, Oct. 1996.
- [10] Klaus Meier, Ralf Kastle, Volker Hombach, Roger Tay, and Niels Kuster, \The dependence of EM energy absorption upon human head modeling at 1800 MHz", IEEE Transactions on Microwave Theory and Techniques, Oct. 1997, in press.
- [11] W. Gander, Computermathematik, Birkhaeuser, Basel, 1992.
- [12] W. H. Press, S. A. Teukolsky, W. T. Vetterling, and B. P. Flannery, Numerical Recepies in C, The Art of Scientific Computing, Second Edition, Cambridge University Press, 1992. Dosimetric Evaluation of Sample device, month 1998 9
- [13] NIS81 NAMAS, \The treatment of uncertainty in EMC measurement", Tech. Rep., NAMAS Executive, National Physical Laboratory, Teddington, Middlesex, England, 1994.
- [14] Barry N. Taylor and Christ E. Kuyatt, \Guidelines for evaluating and expressing the uncertainty of NIST measurement results", Tech. Rep., National Institute of Standards and Technology, 1994. Dosimetric Evaluation of Sample device, month 1998 10.

SAR Evaluation Report 163 of 164

PRODUCT SIMILARITY DECLARATION LETTE



DDM Brands LLC
Address: 1616 NW, 84TH Ave. Miami, Florida, U.S.A 33126
Tel: +1 3057750325 Fax: +1 3057750325

Product Similarity Declaration

Report No: RSZ151102002-20

November 12, 2015

To Whom It May Concern,

We, <u>DDM Brands LLC</u>, hereby declare that we have a product named as <u>4G Mobile Phone</u> (Model number: <u>ANDY 5E LTE</u>) was tested by BACL, meanwhile, for our marketing purpose, we would like to list a series models (<u>ANDY 5EL LTE</u>, <u>AM5EL191</u>, <u>AM5EL192</u>, <u>ANDY C5E LTE</u>, <u>ANDY C5EL LTE</u>, <u>AC5EL191</u>, <u>AC5EL192</u>, <u>AM5EL151</u>, <u>AC5EL192</u>, <u>AC5EL151</u>) on reports and certificate, all the models are identical schematics, only named differently.

No other changes are made to them

We confirm that all information above is true, and we'll be responsible for all the consequences. Please contact me if you have any question.

Sincerely,

Signature:

Luis Sosa

CEO

***** END OF REPORT *****

SAR Evaluation Report 164 of 164