Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

Impedance	47.7 Ω – 2.7 jΩ
Return Loss	-28.7 dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance	52.0 Ω + 0.7 jΩ
Return Loss	-33.6 dB

Antenna Parameters with Head TSL at 5750 MHz

Impedance	52.3 Ω + 2.6 jΩ
Return Loss	-29.3 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.194 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.
The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D5GHzV2 - SN1262	5250	HSL	20

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	10		CW, 0--	5250, 0	5.68	4.58	35.6

Hardware Setup

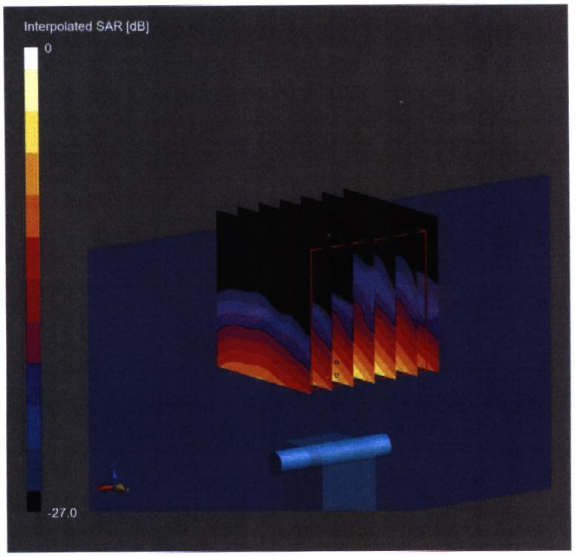
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center	HSL, 2025-01-17	EX3DV4 - SN7349, 2025-01-10	DAE4ip Sn1836, 2024-10-28

Scans Setup

	Zoom Scan
Grid Extents [mm]	22 x 22 x 22
Grid Steps [mm]	4.0 x 4.0 x 1.4
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.4
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

Measurement Results

	Zoom Scan
Date	2025-01-17
psSAR1g [W/Kg]	7.78
psSAR10g [W/Kg]	2.23
Power Drift [dB]	-0.09
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative



0 dB = 31.3 W/Kg

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D5GHzV2 - SN1262	5600	HSL	20

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	10		CW, 0--	5600, 0	5.21	4.96	35.0

Hardware Setup

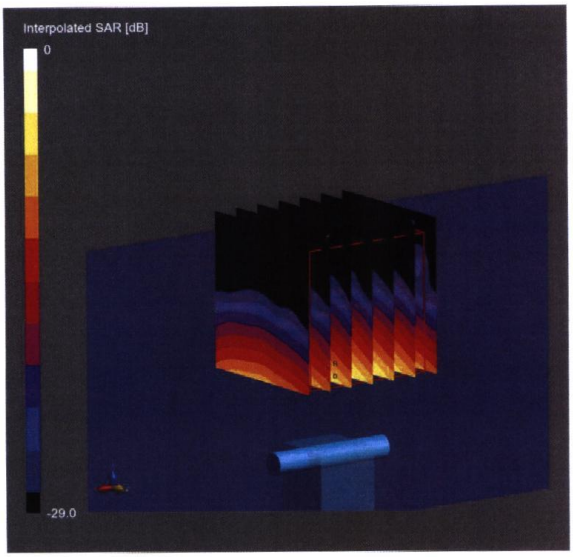
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center	HSL, 2025-01-17	EX3DV4 - SN7349, 2025-01-10	DAE4ip Sn1836, 2024-10-28

Scans Setup

	Zoom Scan
Grid Extents [mm]	22 x 22 x 22
Grid Steps [mm]	4.0 x 4.0 x 1.4
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.4
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

Measurement Results

	Zoom Scan
Date	2025-01-17
psSAR1g [W/Kg]	8.12
psSAR10g [W/Kg]	2.34
Power Drift [dB]	-0.02
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative



0 dB = 35.1 W/Kg

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D5GHzV2 - SN1262	5750	HSL	20

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	10		CW, 0--	5750, 0	5.38	5.12	34.8

Hardware Setup

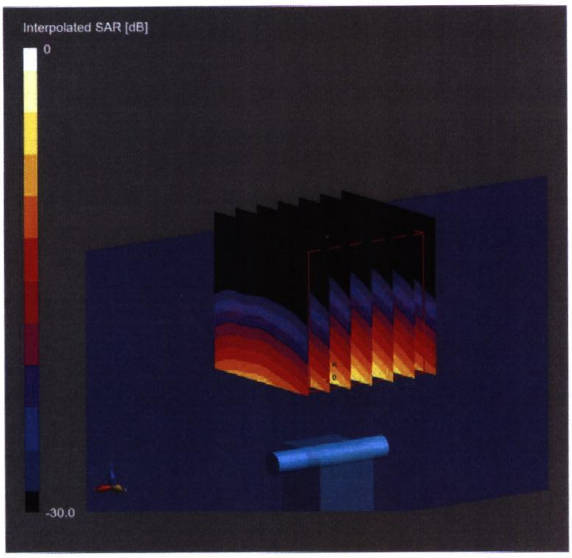
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center	HSL, 2025-01-17	EX3DV4 - SN7349, 2025-01-10	DAE4ip Sn1836, 2024-10-28

Scans Setup

	Zoom Scan
Grid Extents [mm]	22 x 22 x 22
Grid Steps [mm]	4.0 x 4.0 x 1.4
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.4
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

Measurement Results

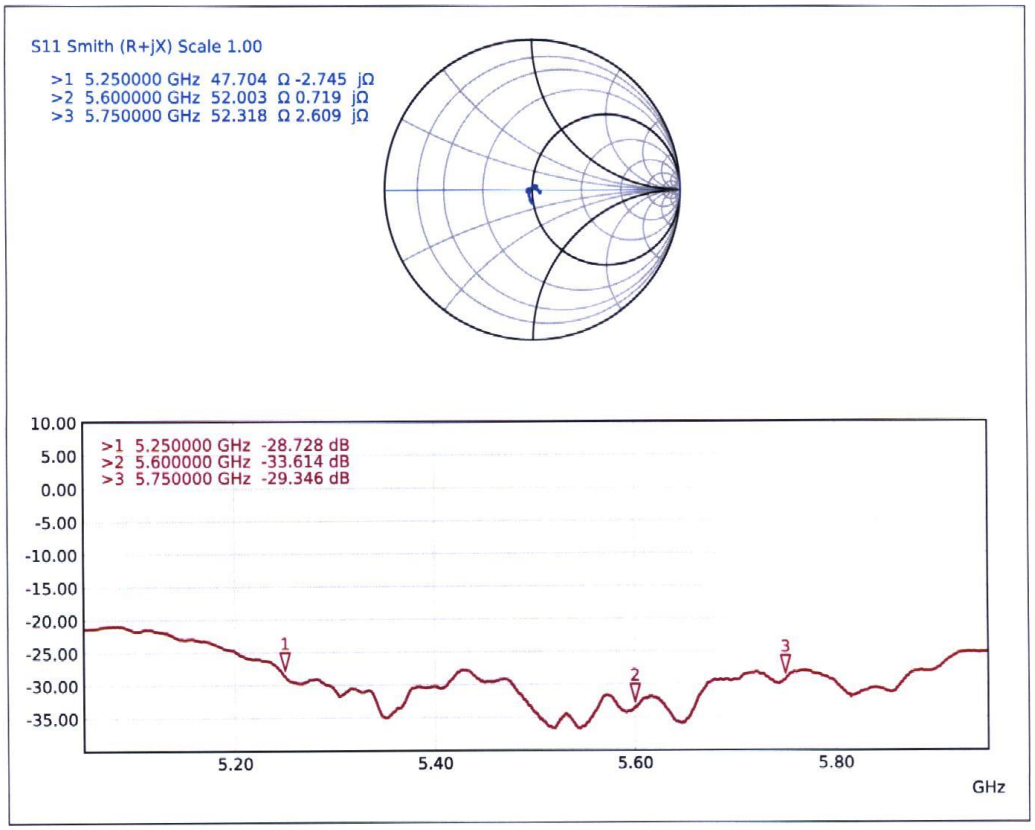
	Zoom Scan
Date	2025-01-17
psSAR1g [W/Kg]	7.61
psSAR10g [W/Kg]	2.17
Power Drift [dB]	-0.01
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative



0 dB = 33.9 W/Kg

D5GHzV2 - SN: 1262 January 17, 2025

Impedance Measurement Plot for Head TSL



Certificate No: D5GHzV2-1262_Jan25 Page 9 of 9

900 MHz Dipole Calibration Certificate

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client	CTTL Beijing	Certificate No.	D900V2-1d051_Jul24

CALIBRATION CERTIFICATE

Object	D900V2 - SN: 1d051
Calibration procedure(s)	QA CAL-05.v12 Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz
Calibration date	July 9, 2024

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Power Sensor R&S NRP18A	SN: 101859	21-Mar-24 (No. 4030A315007801)	Mar-25
Spectrum Analyzer R&S FSV40	SN: 101832	25-Jan-24 (No. 4030-315007551)	Jan-25
Mismatch; Short [S4188] Attenuator [S4423]	SN: 1152	28-Mar-24 (No. 217-04050)	Mar-25
OCP DAK-12	SN: 1016	05-Oct-23 (No. OCP-DAK12-1016_Oct23)	Oct-24
OCP DAK-3.5	SN: 1249	05-Oct-23 (No. OCP-DAK3.5-1249_Oct23)	Oct-24
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25
DAE4ip	SN: 1836	10-Jan-24 (No. DAE4ip-1836_Jan24)	Jan-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Source Box	SN: 1000	28-May-24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 0001-300719404)	May-25
Mismatch; SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

	Name	Function	Signature
Calibrated by	Paulo Pina	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	

Issued: July 9, 2024

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Glossary

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528,"Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY8 Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with spacer
Zoom Scan Resolution	dx, dy = 6mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	900MHz ±1MHz	

Head TSL parameters at 900 MHz

The following parameters and calculations were applied.

	Temperature	**Permittivity**	**Conductivity**
Nominal Head TSL parameters	22.0 °C	41.5	0.970 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	42.1 ±6%	0.960 mho/m ±6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 900 MHz

SAR averaged over 1 cm^3 (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	2.74 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	10.9 W/kg ±17.0% ($k = 2$)

SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	1.74 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.93 W/kg ±16.5% ($k = 2$)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 900 MHz

Impedance	49.4 Ω – 0.3 jΩ
Return Loss	-43.8 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.405 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D900V2 - SN1d051	900	HSL	24

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	15		CW, 0--	900, 0	9.39	0.96	42.1

Hardware Setup

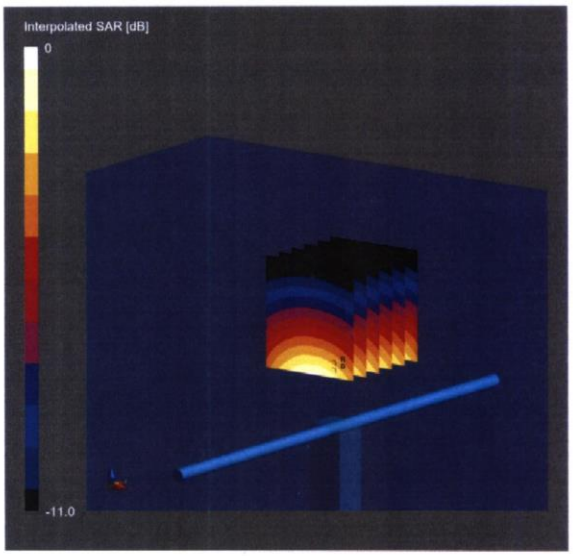
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Flat V4.9 mod	HSL, 2024-07-09	EX3DV4 - SN7349, 2024-06-03	DAE4ip Sn1836, 2024-01-10

Scans Setup

	Zoom Scan
Grid Extents [mm]	30 x 30 x 30
Grid Steps [mm]	6.0 x 6.0 x 1.5
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.5
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

Measurement Results

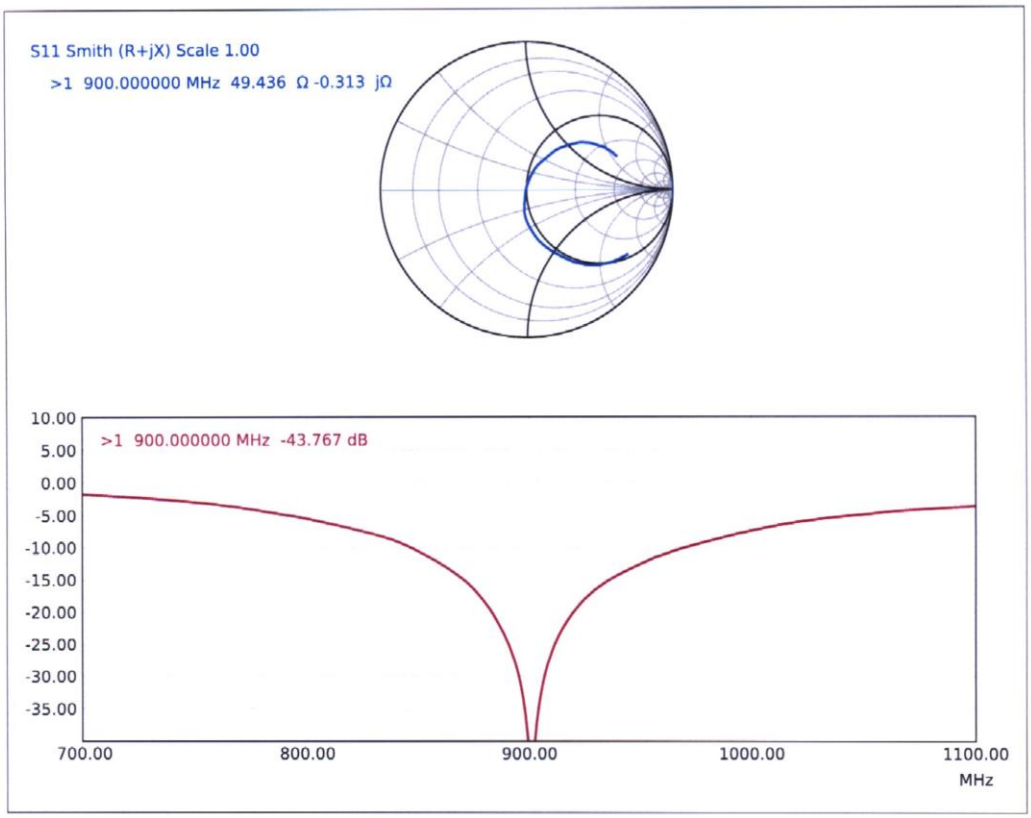
	Zoom Scan
Date	2024-07-09
psSAR1g [W/Kg]	2.74
psSAR10g [W/Kg]	1.74
Power Drift [dB]	0.00
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative



0 dB = 4.32 W/Kg

D900V2 - SN: 1d051 July 9, 2024

Impedance Measurement Plot for Head TSL

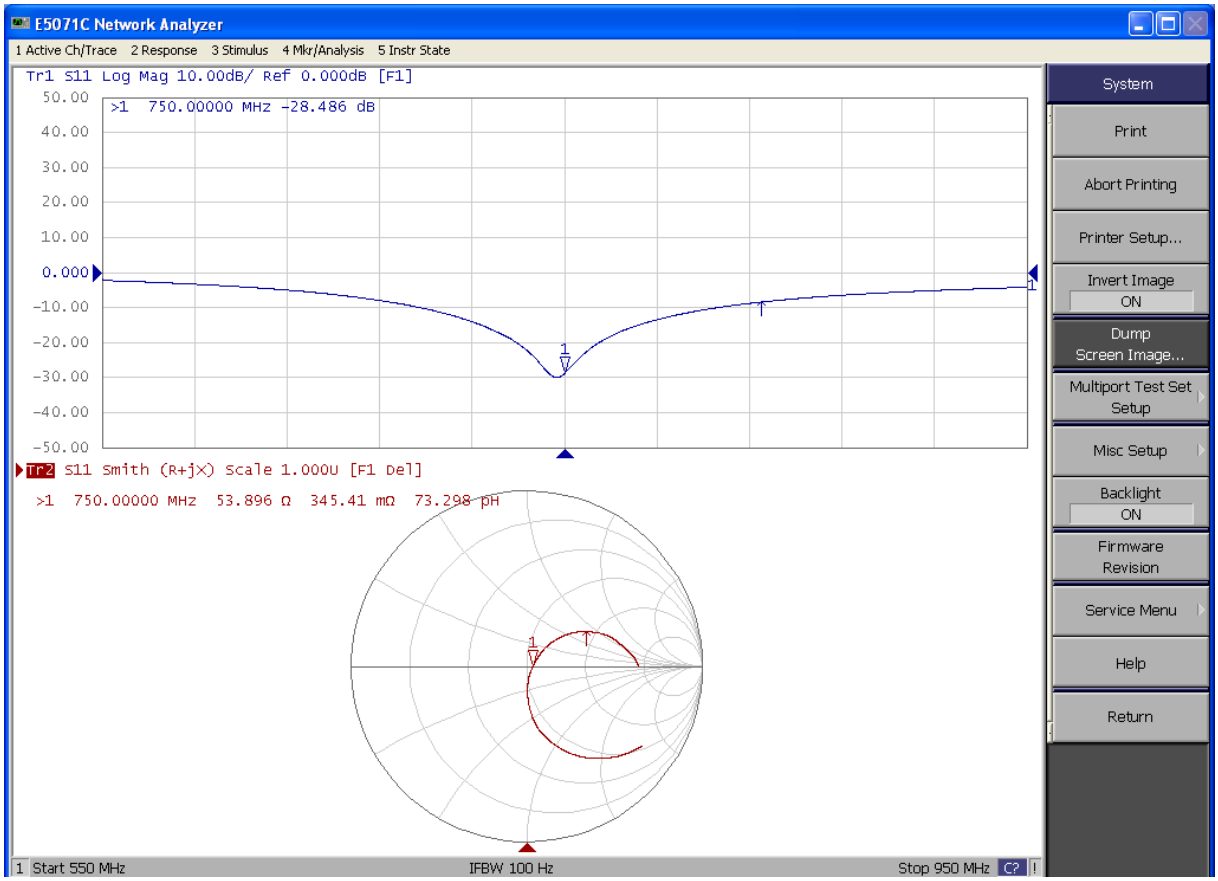


ANNEX I Extended Calibration SAR Dipole

Referring to KDB865664 D01, if dipoles are verified in return loss (<-20dBm, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

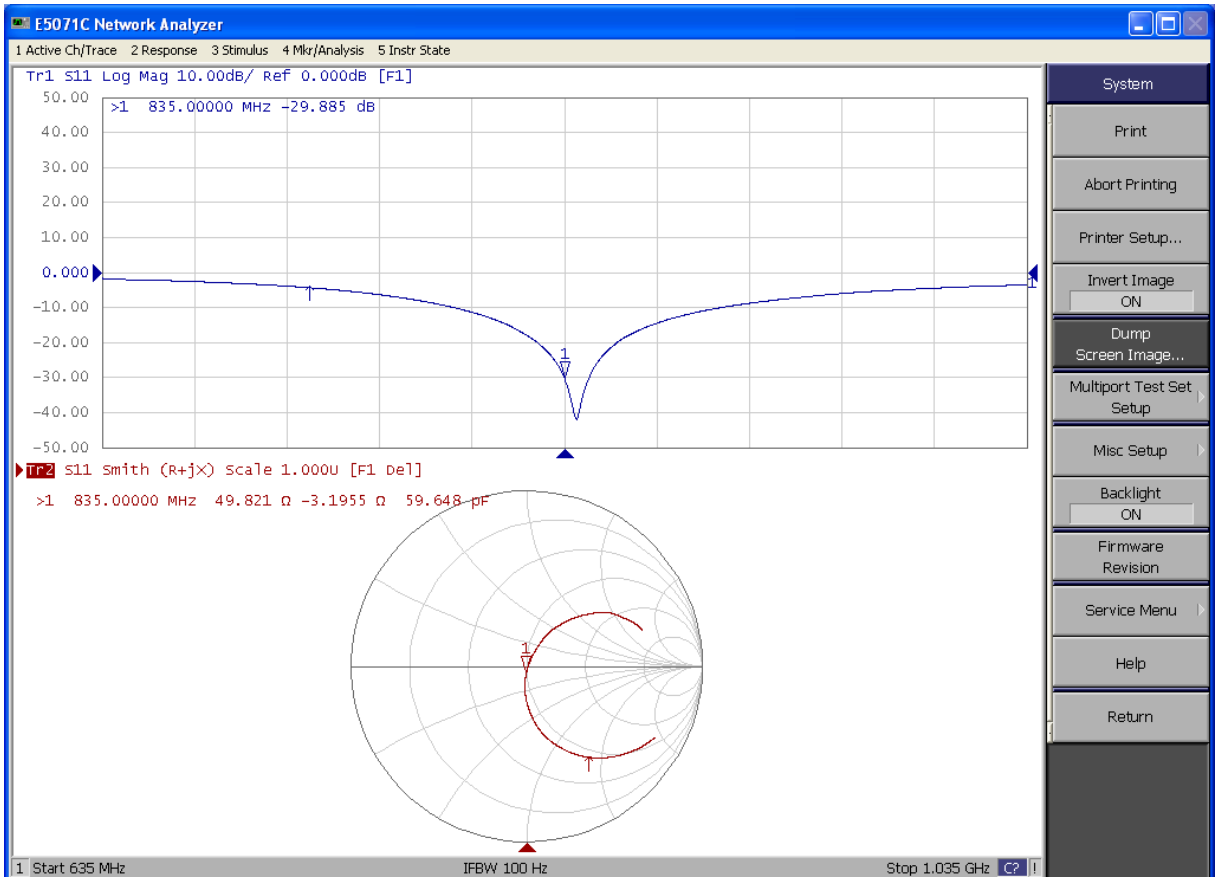
Justification of Extended Calibration SAR Dipole D750V3– serial no.1017

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2024-07-09	-30.09	/	53.15	/	-0.69	/
2025-07-02	-28.49	5.32	53.90	-0.75	0.35	-1.19



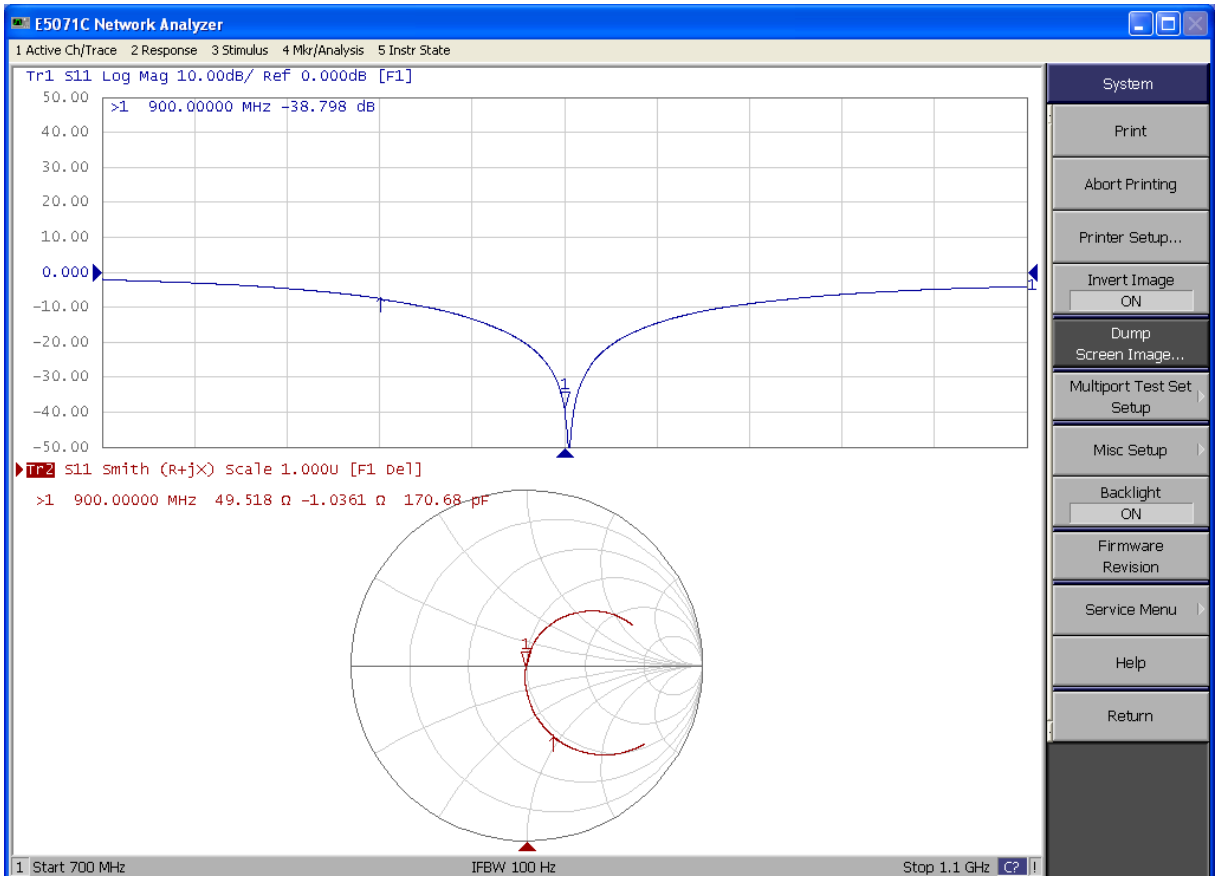
Justification of Extended Calibration SAR Dipole D835V2– serial no.4d069

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2024-07-09	-26.79	/	51.11	/	-4.50	/
2025-07-02	-29.89	11.57	49.82	1.29	-3.20	-1.30



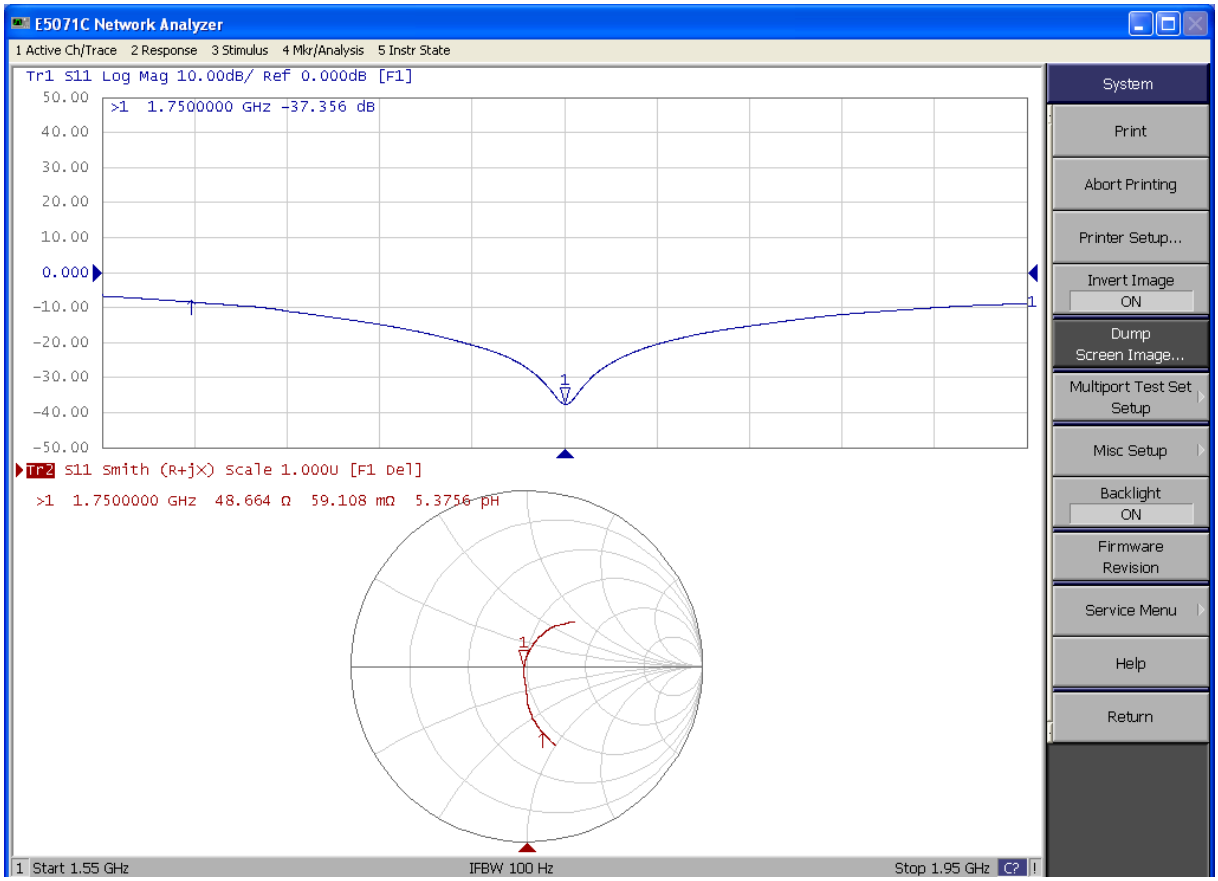
Justification of Extended Calibration SAR Dipole D900V2– serial no.1d051

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2024-07-09	-43.77	/	49.44	/	-0.31	/
2025-07-02	-38.80	11.35	49.52	-0.08	-1.04	0.73



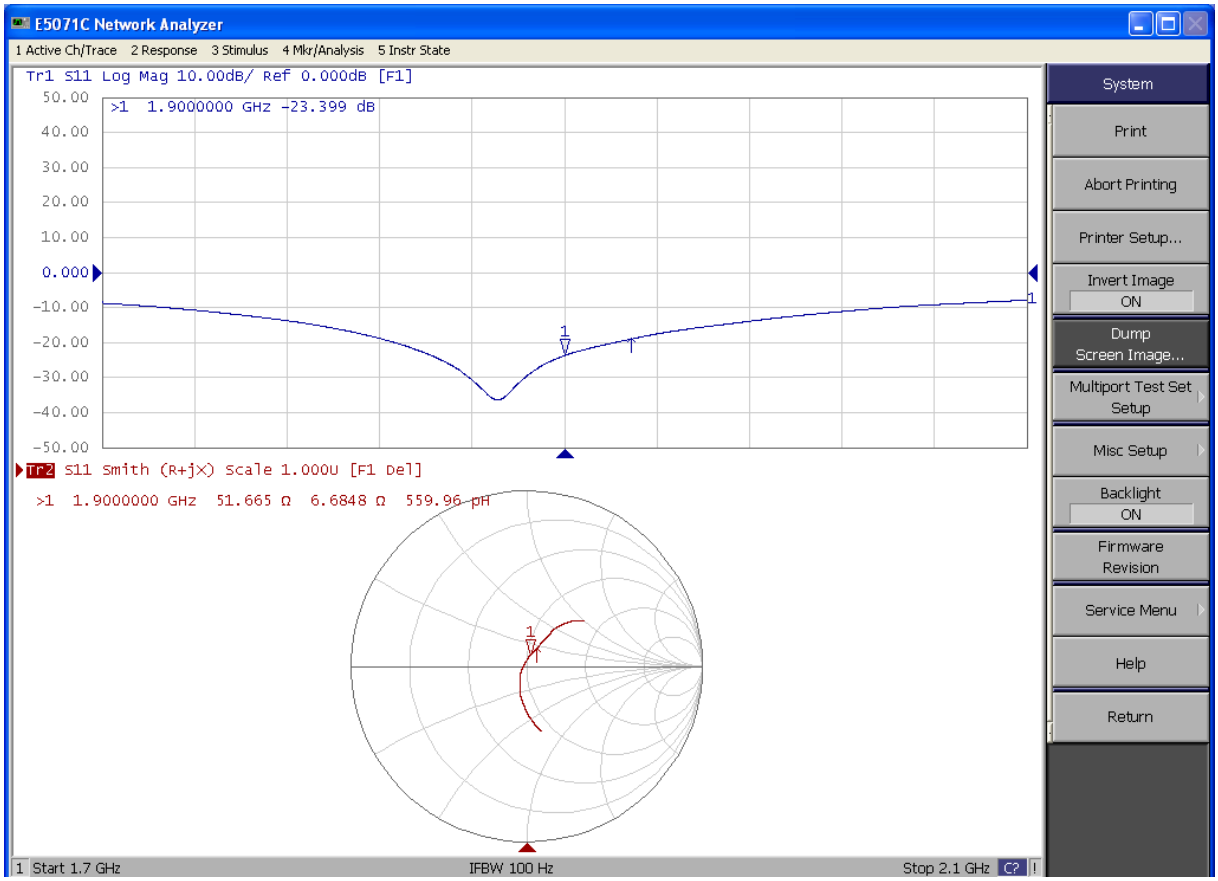
Justification of Extended Calibration SAR Dipole D1750V2– serial no. 1003

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2024-07-11	-40.98	/	49.20	/	-0.39	/
2025-07-02	-37.36	8.83	48.66	0.54	0.06	-1.75



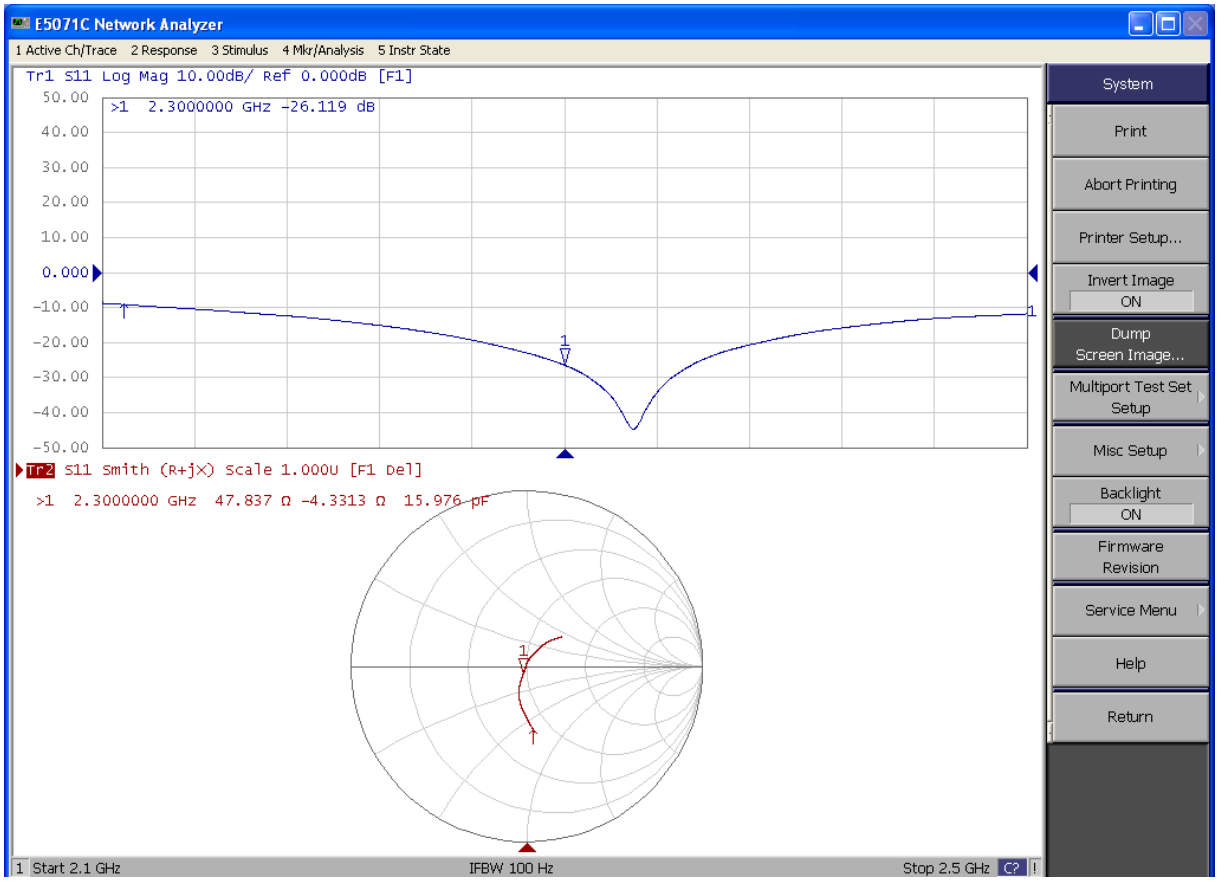
Justification of Extended Calibration SAR Dipole D1900V2– serial no. 5d101

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2024-07-08	-27.31	/	49.38	/	4.24	/
2025-07-02	-23.40	14.32	51.67	-2.29	6.68	-2.44



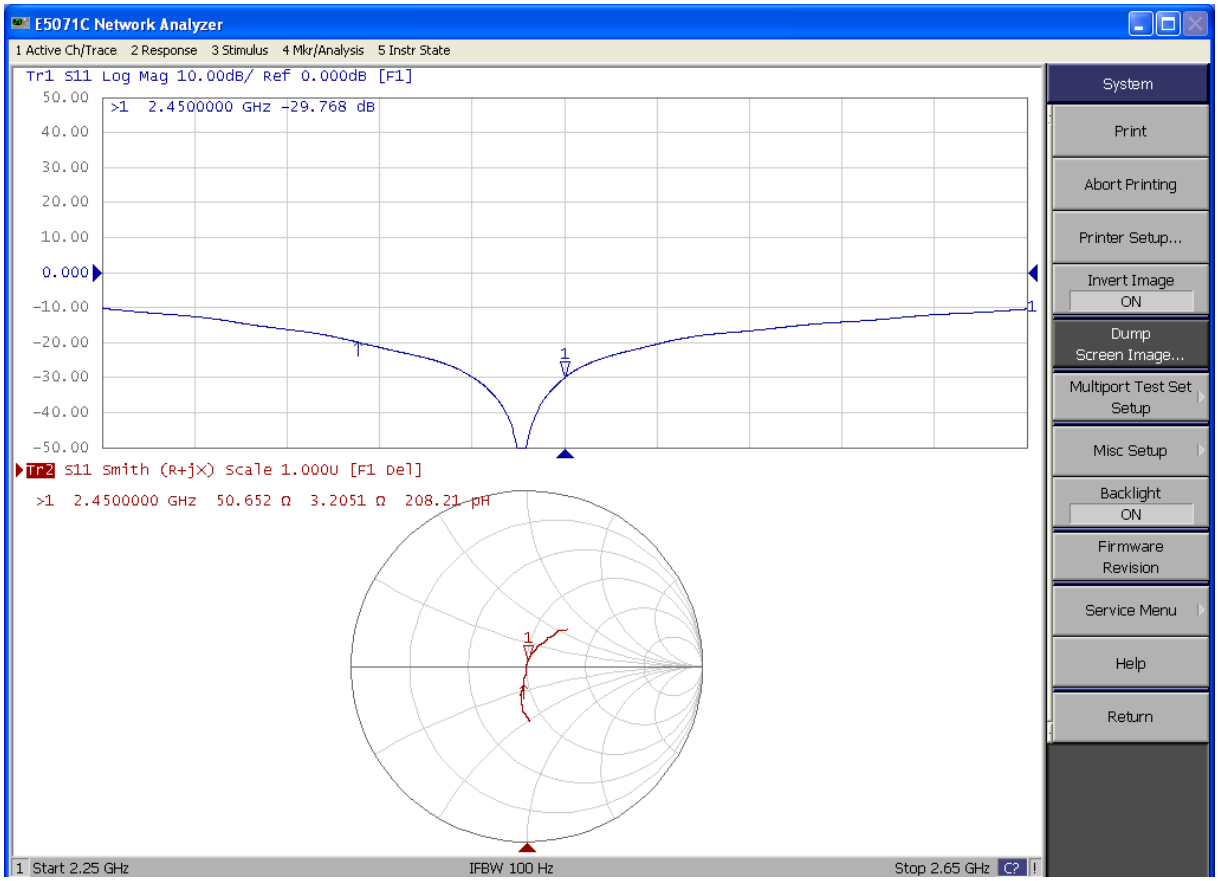
Justification of Extended Calibration SAR Dipole D2300V2– serial no. 1018

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2024-07-10	-26.64	/	48.58	/	-4.37	/
2025-07-02	-26.12	1.95	47.84	0.74	-4.33	-0.04



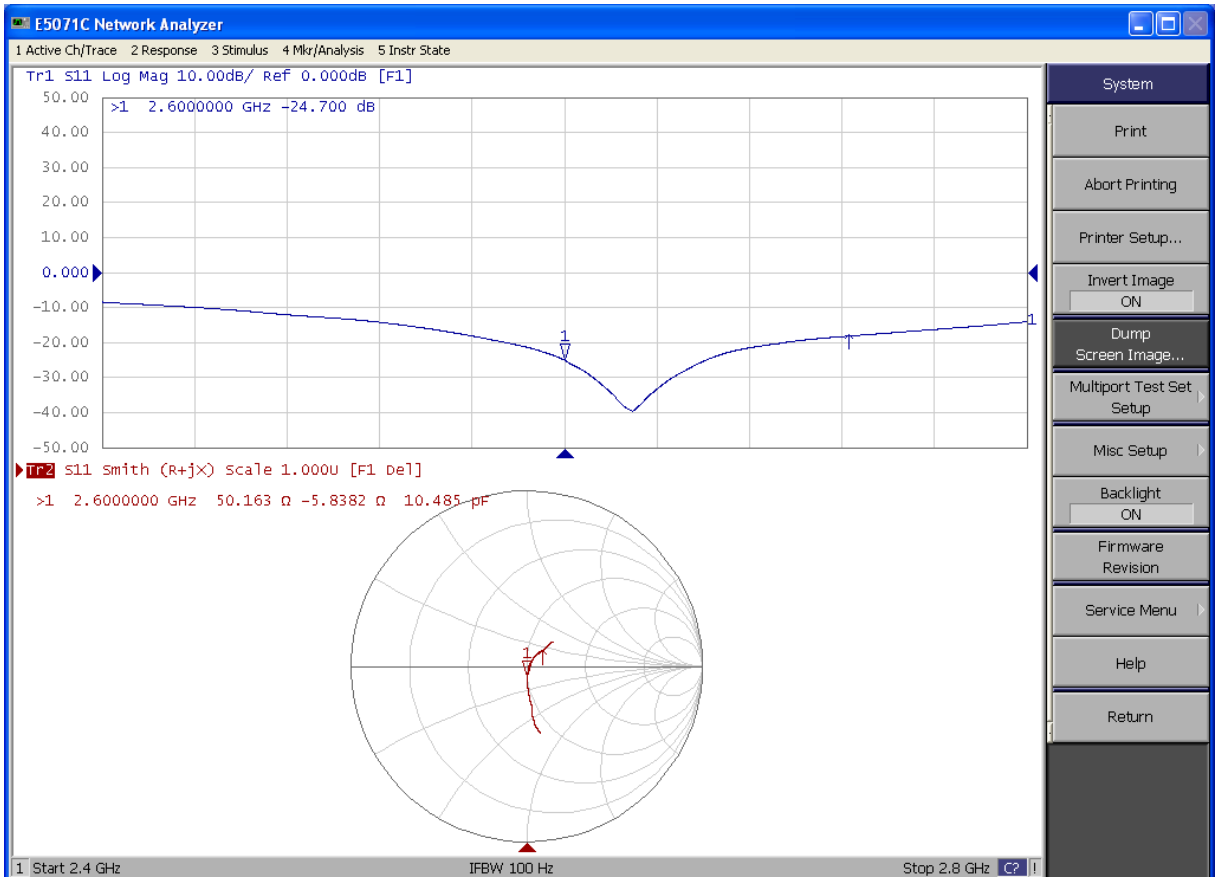
Justification of Extended Calibration SAR Dipole D2450V2– serial no. 853

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2024-07-10	-29.16	/	52.43	/	2.62	/
2025-07-02	-29.77	2.09	50.65	1.78	3.21	-0.59



Justification of Extended Calibration SAR Dipole D2600V2– serial no. 1012

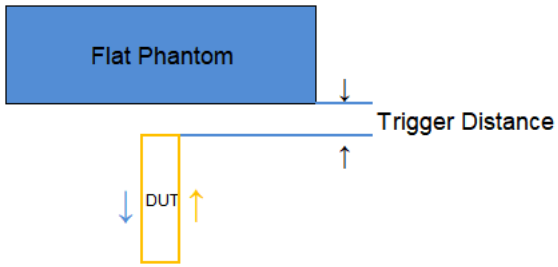
Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2024-07-10	-22.71	/	47.31	/	-6.61	/
2025-07-02	-24.70	8.76	50.16	-2.85	-5.84	-0.77



ANNEX J SAR Sensor Triggering Data Summary

The device was tested by the test lab to determine the proximity sensor triggering distances for the Back/Left/Bottom side of the device. To ensure all production units are compliant, the smallest separation distance determined by the sensor triggering minus 1 mm, must be used as the test separation distance for SAR testing.

The Proximity sensor triggering distance measurement method are as below:



The following table is the summary of the trigger distance.

Band	Trigger distance-Back side		Trigger distance-Bottom side		Trigger distance-Left side	
	Moving toward Phantom	Moving away from Phantom	Moving toward Phantom	Moving away from Phantom	Moving toward Phantom	Moving away from Phantom
PCS1900	30mm	30mm	20mm	20mm	6mm	6mm
WCDMA Band Ⅱ	30mm	30mm	20mm	20mm	6mm	6mm
WCDMA BandⅣ	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 2	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 4	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 7	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 25	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 30	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 40	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 66	30mm	30mm	20mm	20mm	6mm	6mm

The following tables summarize the key power reduction information for proximity sensor.

Main Antenna			
Band	Test position	Sensor Trigger Distance range (DUT to Phantom)	Power reduction amount(dB)
PCS1900 GPRS 1TS	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	1.5
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	1.5
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	1.5

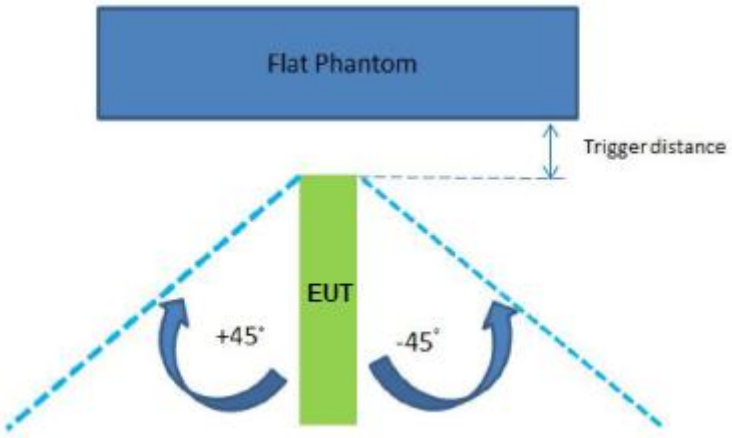
		distance>20mm	0.0
PCS1900 GPRS 2TS	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	1.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	1.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	1.0
		distance>20mm	0.0
PCS1900 GPRS 3TS	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	1.5
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	1.5
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	1.5
		distance>20mm	0.0
PCS1900 GPRS 4TS	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	2.5
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	2.5
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	2.5
		distance>20mm	0.0
WCDMA Band Ⅱ RMC	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	4.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	4.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	4.0
		distance>20mm	0.0
WCDMA Band Ⅳ RMC	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	7.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	7.0
		distance>6mm	0.0
	Right side	N/A	0.0

	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	7.0
		distance>20mm	0.0
LTE Band 2 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	4.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	4.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	4.0
		distance>20mm	0.0
LTE Band 4 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	5.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	5.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	5.0
		distance>20mm	0.0
LTE Band 7 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	2.5
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	2.5
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	2.5
		distance>20mm	0.0
LTE Band 25 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	4.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	4.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	4.0
		distance>20mm	0.0
LTE Band 30 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	3.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	3.0

		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	3.0
		distance>20mm	0.0
LTE Band 40 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	2.5
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	2.5
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	2.5
		distance>20mm	0.0
LTE Band 66 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	5.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	5.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	5.0
		distance>20mm	0.0

Tilt Angle Influences to Proximity Sensor Triggering:

The following procedure is used to determine the tilt angle influences to proximity sensor triggering.



Summary of tilt angle:

Test position	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
		-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
Back side	30mm	on	on	on	on	on	on	on	on	on	on	on
Bottom side	20mm	on	on	on	on	on	on	on	on	on	on	on
Left side	6mm	on	on	on	on	on	on	on	on	on	on	on

Proximity Sensor Coverage Area:

Proximity Sensor Coverage Area are not request when the antenna and sensor are collocated and the peak SAR location is overlapping with the sensor.

ANNEX K Accreditation Certificate

Accredited Laboratory

A2LA has accredited

TELECOMMUNICATION TECHNOLOGY LABS, CAICT

Beijing, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 23rd day of July 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7049.01
Valid to July 31, 2026

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.