

APPENDIX F - RETURN LOSS AND IMPEDANCE MEASUREMENT

D1750V2 - SN:1141 Extended Dipole Calibrations

Referring to KDB865664 D01, if dipoles are verified in return loss(< -20dB, 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.

Test Equipment Information:

Equipment	Model	S/N	Calibration Date	Calibration Due Date
Simulated Tissue Liquid Head	HBBL600-10000V6	SL AAH U126 CA (Batch:250429-1)	N/A	N/A
Twin SAM	Twin SAM V5.0	1097	NCR	NCR
Network Analyzer	E5071C	MY46519680	2024/07/11	2025/07/10
Network Analyzer Calibration Kit	50 Ω	51026	NCR	NCR

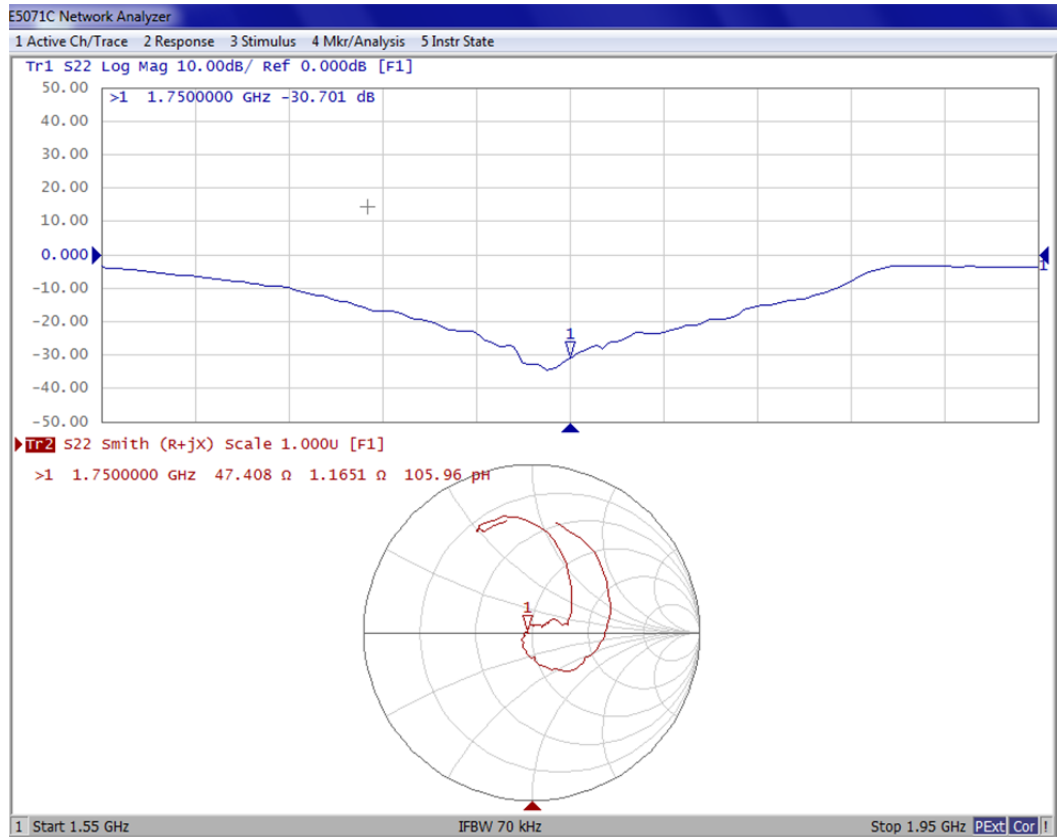
Justification of the extended calibration

D1750V2 - SN:1141						
1750MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2024/6/17 (Cal. Report)	-30.3	/	47.2	/	-0.96	/
2025/6/15 (Extended)	-30.7	1.32%	47.4	0.2	1.17	2.13

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

Dipole Verification Data> D1750V2 - SN:1141 (Date of Measurement: 2025/6/15)

1750MHz - Head



	Name	Tilt	Signature
Calibrated By:	Mark Dong	SAR Engineer	Mark Dong
Approved By:	Brave Lu	SAR Supervisor	Brave Lu

D2450V2 - SN:971 Extended Dipole Calibrations

Referring to KDB865664 D01, if dipoles are verified in return loss(< -20dB, 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.

Test Equipment Information:

Equipment	Model	S/N	Calibration Date	Calibration Due Date
Simulated Tissue Liquid Head	HBBL600-10000V6	SL AAH U126 CA (Batch:250429-1)	N/A	N/A
Twin SAM	Twin SAM V5.0	1097	NCR	NCR
Network Analyzer	E5071C	MY46519680	2024/07/11	2025/07/10
Network Analyzer Calibration Kit	50 Ω	51026	NCR	NCR

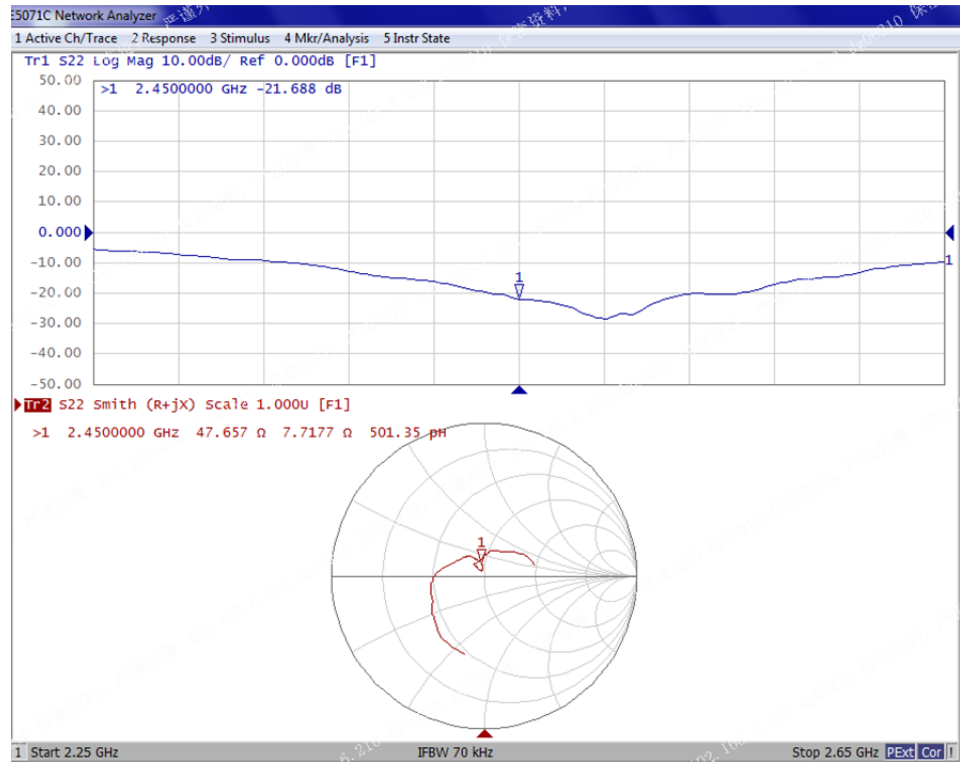
Justification of the extended calibration

D2450V2 - SN:971						
2450MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2024/6/15 (Cal. Report)	-23.0	/	52.3	/	6.84	/
2025/6/10 (Extended)	-21.69	5.7%	47.66	4.64	7.72	-0.88

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

Dipole Verification Data> D2450V2 - SN:971 (Date of Measurement: 2025/6/10)

2450MHz - Head



	Name	Tilt	Signature
Calibrated By:	Mark Dong	SAR Engineer	Mark Dong
Approved By:	Brave Lu	SAR Supervisor	Brave Lu