

APPENDIX D RETURN LOSS&IMPEDANCE MEASUREMENT**D750V3 - SN:1194 Extended Dipole Calibrations**

Per FCC KDB 865664 D01, calibration intervals of up to 3 years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements.

1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20 dB minimum return-loss requirement.
3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from calibration date.

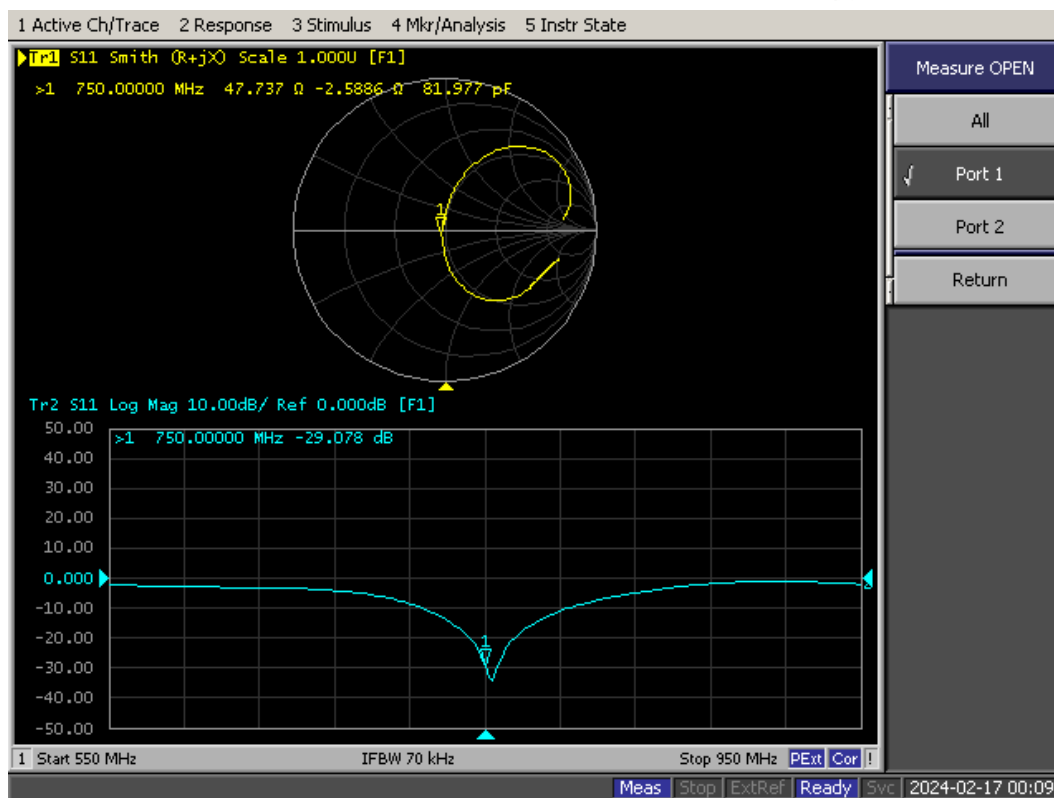
Calibrated Equipment:

Verification Date	Equipment	Model	S/N	Calibration Date	Calibration Due Date
2024/02/17	Simulated Tissue Liquid Head	HBBL600-10000V6	220406-1	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/01/12	2025/01/11
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR
2025/02/16	Simulated Tissue Liquid Head	HBBL600-10000V6	2200808-2	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/10/08	2025/10/07
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR

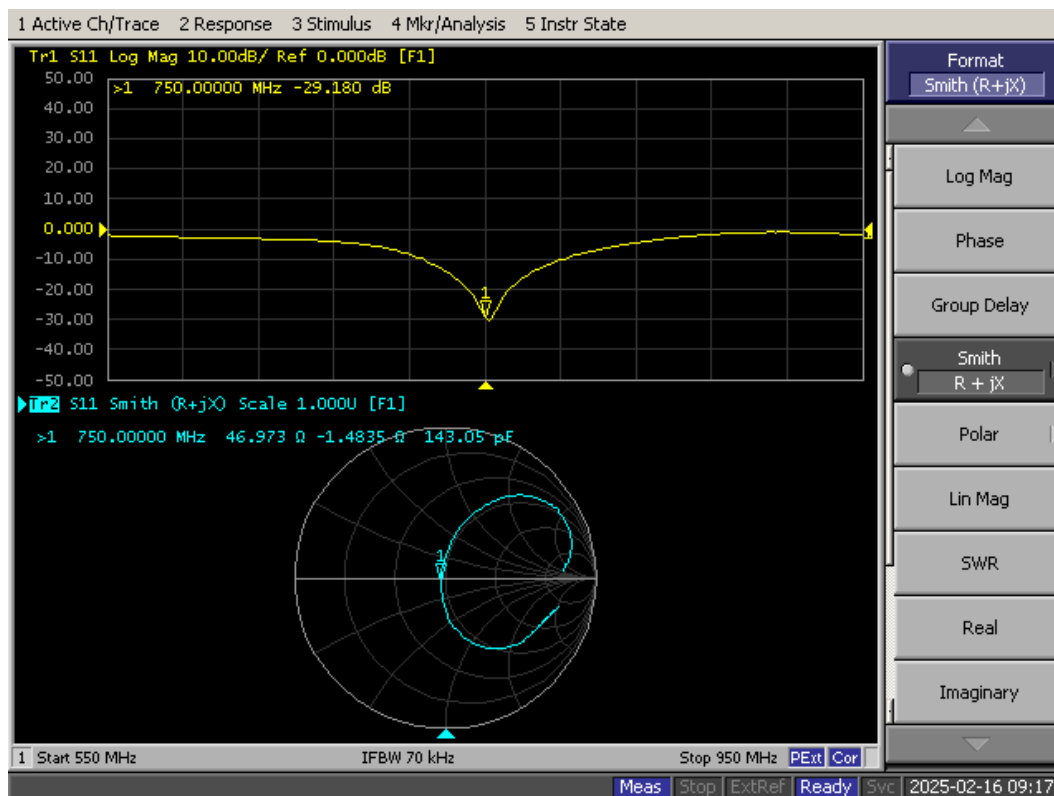
Test Data:

D750V3 - SN:1194						
750MHz Head						
Date of Measurement	Return Loss (dB)	Delta (%)	Real Impedence(Ω)	Delta (Ω)	Imaginary Impedence(Ω)	Delta (Ω)
2023/2/17	-28.9	/	50.8	/	-3.54	/
2024/2/17	-29.1	0.69	47.7	3.1	-2.59	0.95
2025/2/16	-29.2	1.04	47.0	3.8	-1.48	2.06

Calibrated By: Lance Li

Lance Li

Calibrated By: Lance Li

Lance Li

D1800V2 - SN: 2d018 Extended Dipole Calibrations

Per FCC KDB 865664 D01, calibration intervals of up to 3 years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements.

1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20 dB minimum return-loss requirement.
3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from calibration date.

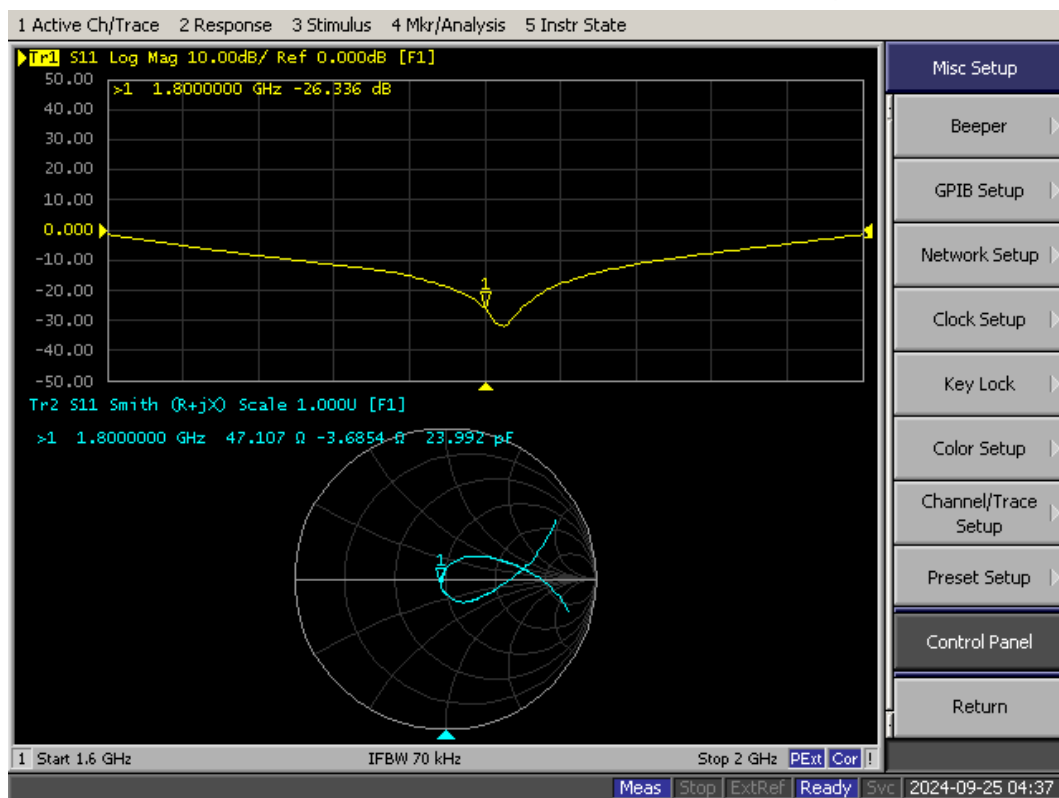
Calibrated Equipment:

Verification Date	Equipment	Model	S/N	Calibration Date	Calibration Due Date
2024/09/25	Simulated Tissue Liquid Head	HBBL600-10000V6	220406-1	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/01/12	2025/01/11
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR
2025/09/24	Simulated Tissue Liquid Head	HBBL600-10000V6	220406-1	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/10/08	2025/10/07
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR

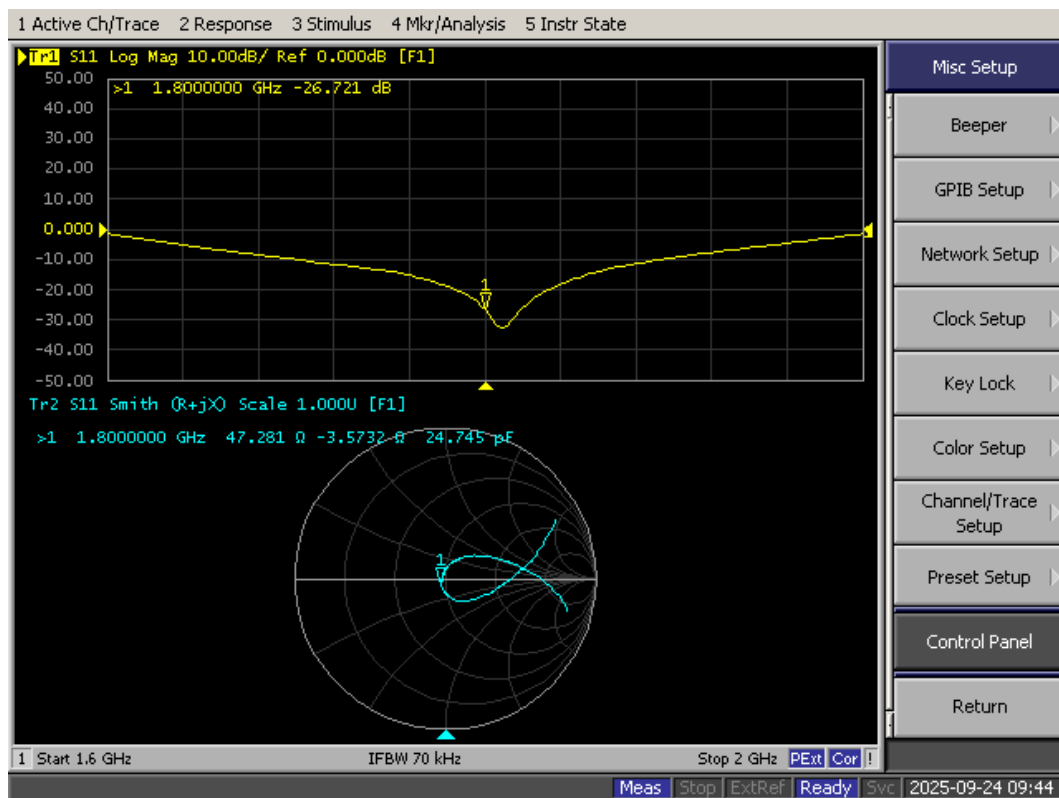
Test Data:

D1800V2 - SN: 2d018						
1800MHz Head						
Date of Measurement	Return Loss (dB)	Delta (%)	Real Impedence(Ω)	Delta (Ω)	Imaginary Impedence(Ω)	Delta (Ω)
2023/9/26	-28.9	/	47.2	/	-2.01	/
2024/9/25	-26.3	9.0	47.1	0.1	-3.69	1.69
2025/09/24	-26.7	7.6	47.3	0.1	-3.57	1.56

Calibrated By: Lance Li

Lance Li

Calibrated By: Lance Li

Lance Li

D2450V2 - SN:751 Extended Dipole Calibrations

Per FCC KDB 865664 D01, calibration intervals of up to 3 years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements.

1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20 dB minimum return-loss requirement.
3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from calibration date.

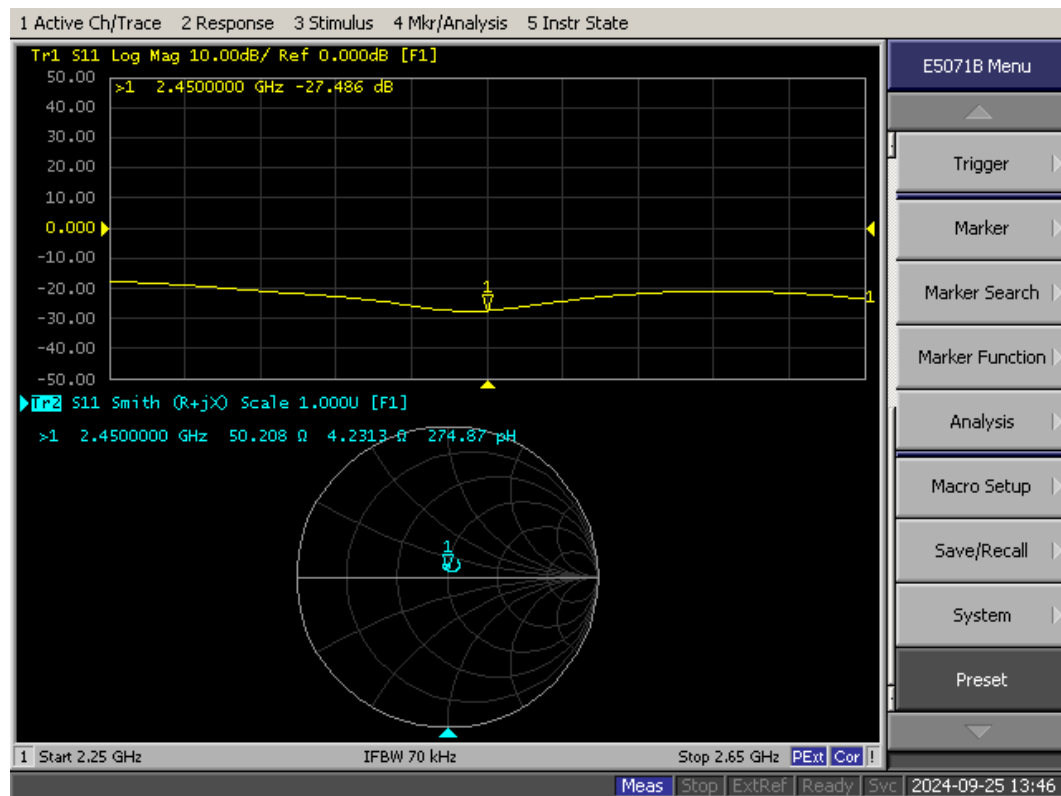
Calibrated Equipment:

Verification Date	Equipment	Model	S/N	Calibration Date	Calibration Due Date
2024/09/25	Simulated Tissue Liquid Head	HBBL600-10000V6	220406-1	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/01/12	2025/01/11
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR
2025/09/24	Simulated Tissue Liquid Head	HBBL600-10000V6	220406-1	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/10/08	2025/10/07
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR

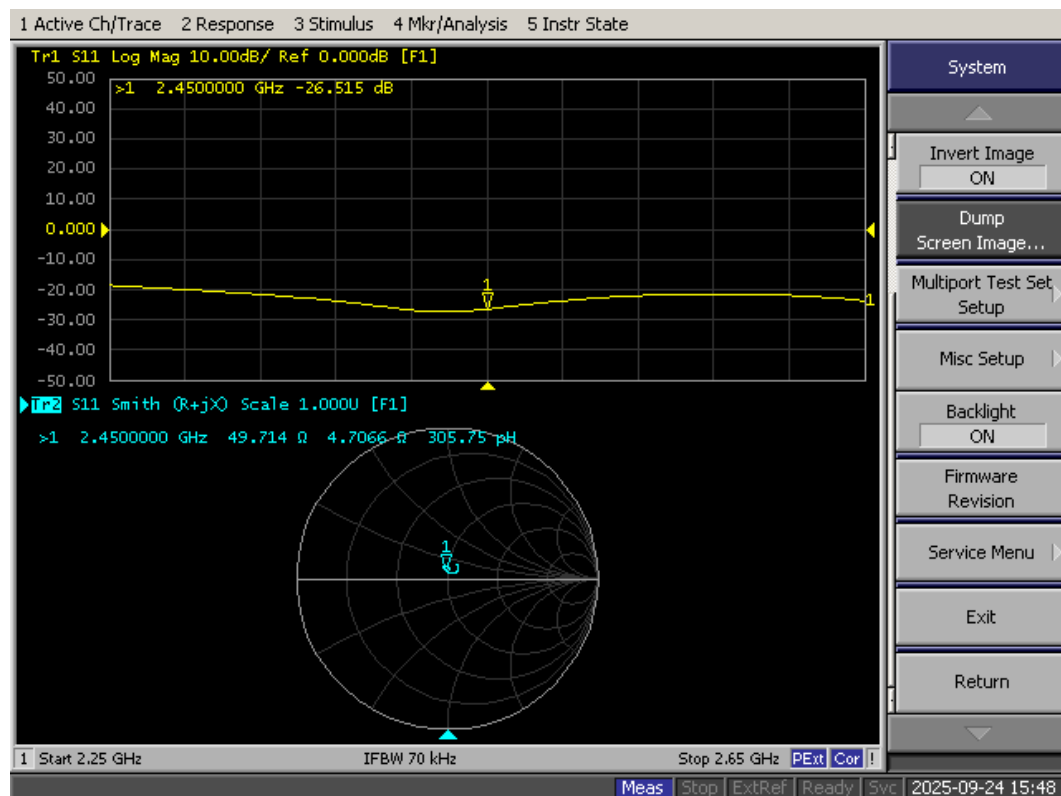
Test Data:

D2450V2 - SN:751						
2450MHz Head						
Date of Measurement	Return Loss (dB)	Delta (%)	Real Impedence(Ω)	Delta (Ω)	Imaginary Impedence(Ω)	Delta (Ω)
2023/09/26	-25.2	/	53.9	/	4.18	/
2024/09/25	-27.5	9.1	50.2	3.7	4.23	0.05
2025/09/24	-26.5	5.2	49.7	4.2	4.7	0.52

Calibrated By: Lance Li

Lance Li

Calibrated By: Lance Li

Lance Li

D2600V2 - SN:1073 Extended Dipole Calibrations

Per FCC KDB 865664 D01, calibration intervals of up to 3 years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements.

1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20 dB minimum return-loss requirement.
3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from calibration date.

Calibrated Equipment:

Verification Date	Equipment	Model	S/N	Calibration Date	Calibration Due Date
2024/02/05	Simulated Tissue Liquid Head	HBBL600-10000V6	220406-1	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/01/12	2025/01/11
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR
2025/01/27	Simulated Tissue Liquid Head	HBBL600-10000V6	2200808-2	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/10/08	2025/10/07
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR

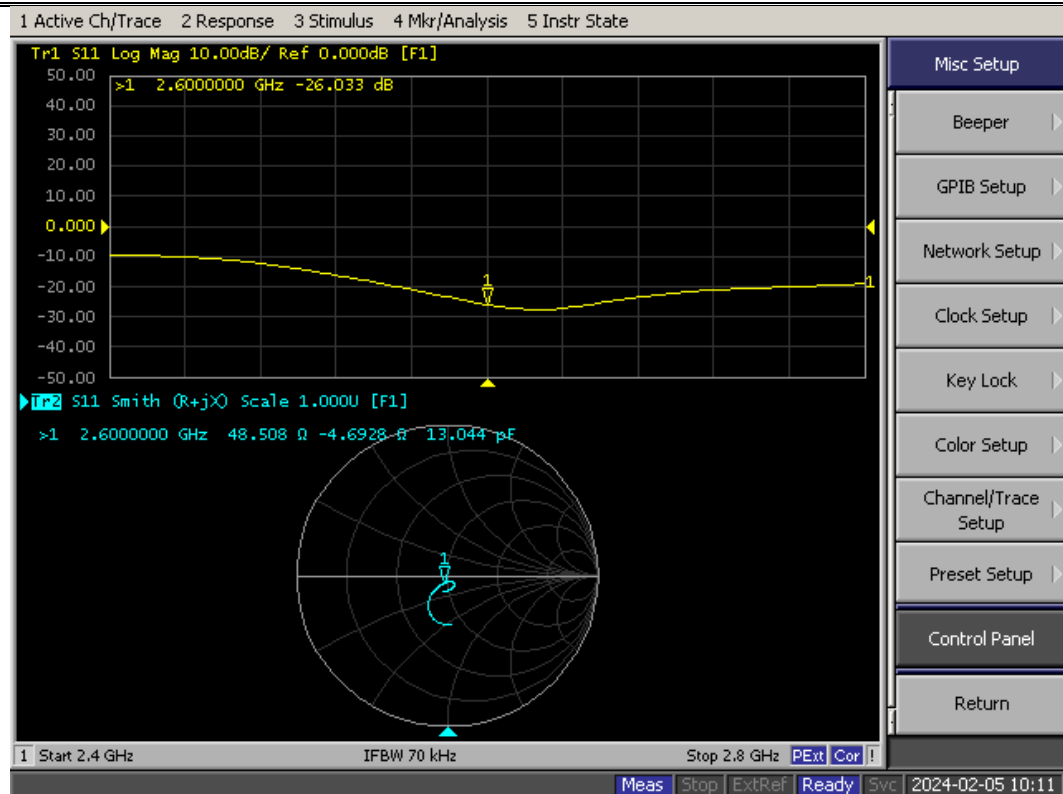
Test Data:

D2600V2 - SN:1073						
2600MHz Head						
Date of Measurement	Return Loss (dB)	Delta (%)	Real Impedence(Ω)	Delta (Ω)	Imaginary Impedence(Ω)	Delta (Ω)
2023/02/17	-23.7	/	48.6	/	-6.32	/
2024/02/05	-26.0	9.7	48.5	0.10	-4.69	1.63
2025/01/27	-23.7	0	49.4	0.80	-6.46	0.14

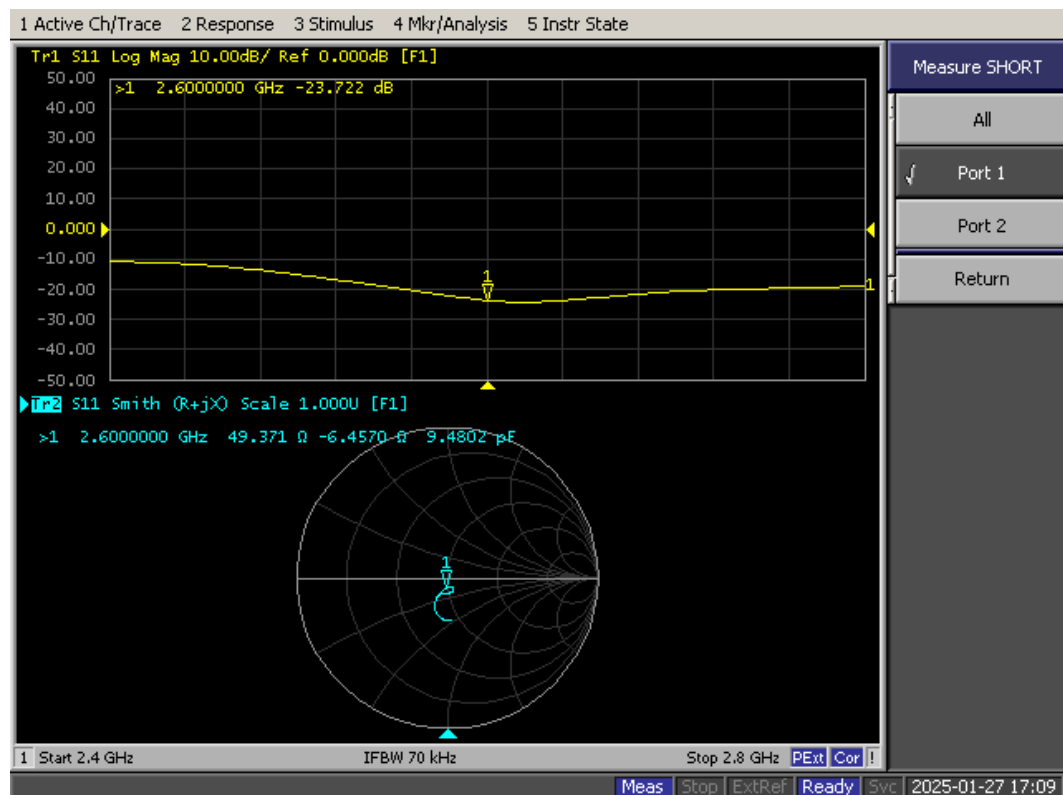
Calibrated By:

Lance Li





Calibrated By: Lance Li

Lance Li

D5GHzV2 - SN:1301 Extended Dipole Calibrations

Per FCC KDB 865664 D01, calibration intervals of up to 3 years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements.

1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20 dB minimum return-loss requirement.
3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from calibration date.

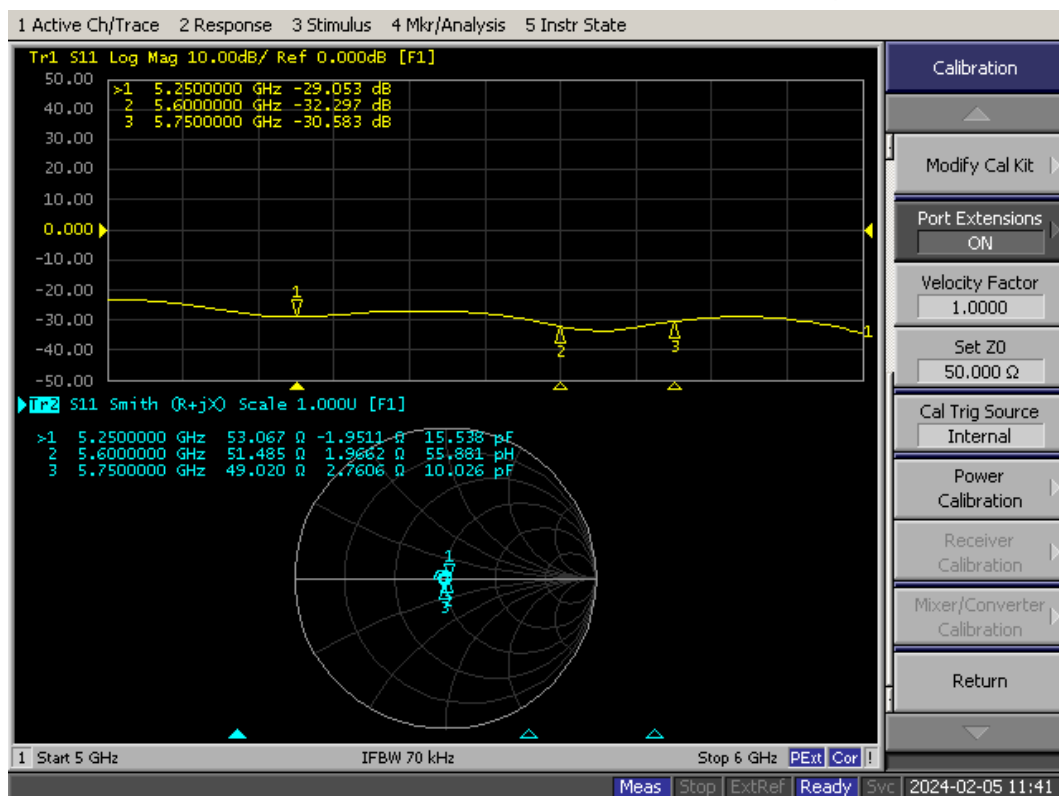
Calibrated Equipment:

Verification Date	Equipment	Model	S/N	Calibration Date	Calibration Due Date
2024/02/05	Simulated Tissue Liquid Head	HBBL600-10000V6	220406-1	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/01/12	2025/01/11
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR
2025/01/27	Simulated Tissue Liquid Head	HBBL600-10000V6	2200808-2	Each Time	
	SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
	Network Analyzer	E5071B	MY42403851	2024/10/08	2025/10/07
	Network Analyzer Calibration Kit	85033E	MY53402696	NCR	NCR

Test Data:

D5GHzV2-SN:1301						
5250MHz Head						
Date of Measurement	Return Loss (dB)	Delta (%)	Real Impedence(Ω)	Delta (Ω)	Imaginary Impedence(Ω)	Delta (Ω)
2023/02/16	-32.6	/	48.1	/	-1.23	/
2024/02/05	-29.1	10.7	53.1	5.00	-1.95	0.72
2025/01/27	-32.3	0.92	52.3	4.2	-0.90	0.33
5600MHz Head						
Date of Measurement	Return Loss (dB)	Delta (%)	Real Impedence(Ω)	Delta (Ω)	Imaginary Impedence(Ω)	Delta (Ω)
2023/02/16	-29.5	/	52.4	/	2.45	/
2024/02/05	-32.3	9.5	51.5	0.9	1.97	0.48
2025/01/27	-32.8	11.2	50.4	2	2.26	0.19
5750MHz Head						
Date of Measurement	Return Loss (dB)	Delta (%)	Real Impedence(Ω)	Delta (Ω)	Imaginary Impedence(Ω)	Delta (Ω)
2023/02/16	-30.1	/	51.4	/	2.84	/
2024/02/05	-30.6	1.7	49.0	2.40	2.76	0.08
2025/01/27	-32.6	8.3	50.2	1.20	2.33	0.51

Calibrated By: Lance Li

Lance Li

Calibrated By: Lance Li

Lance Li