

# Appendix A

System Check 2450 MHz Head
System Check 5300 MHz Head
System Check 5600 MHz Head
System Check 5800 MHz Head

## System Performance Check Report

## Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D2450V2 – SN1099	2450.0	HSL	20.0	4.1	3.9	5.5	-2.8

## Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0--	2450.000, 0	7.27	1.81	40.8

## Hardware Setup

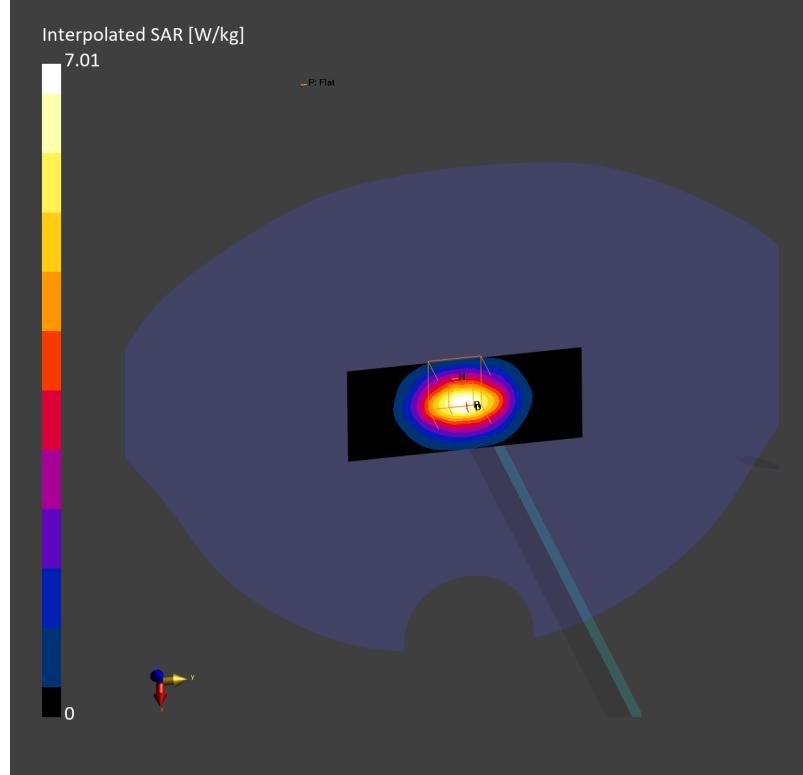
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7758, 2024-09-12	DAE4ip Sn1846, 2024-12-10

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

## Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-06, 12:12	2025-03-06, 12:19
psSAR1g [W/Kg]	5.34	5.31
psSAR10g [W/Kg]	2.47	2.47
Power Drift [dB]	-0.00	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



## System Performance Check Report

## Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D5GHzV2 - SN1371	5300.0	HSL	20.0	1.5	1.8	0.6	-1.4

## Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10	CW, 0--		5300.000, 0	5.35	4.81	36.7

## Hardware Setup

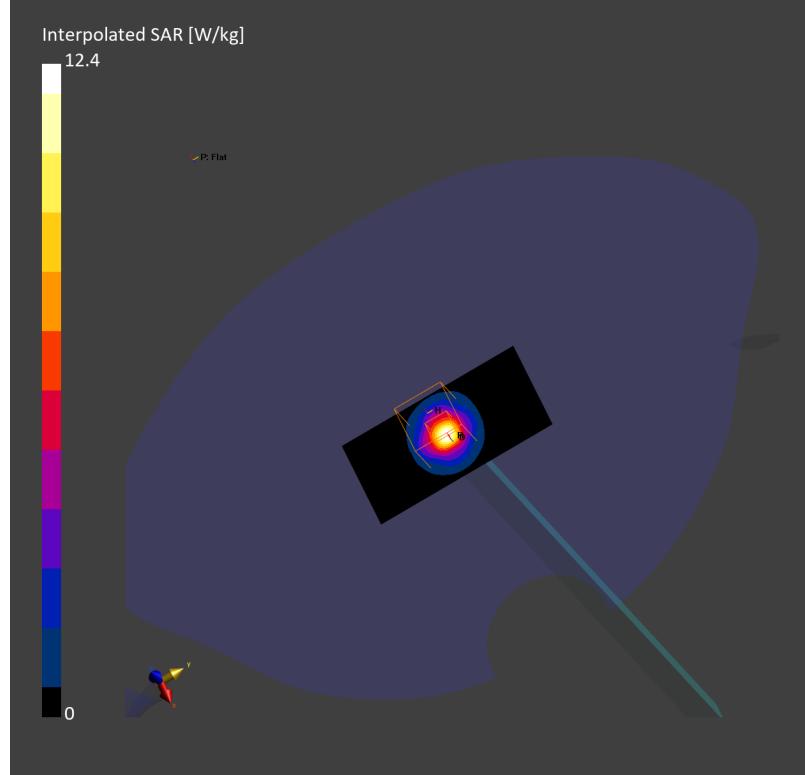
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2168	HSL5GHz	EX3DV4 - SN7758, 2024-09-12	DAE4ip Sn1846, 2024-12-10

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

## Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-16, 08:14	2025-03-16, 08:20
psSAR1g [W/Kg]	7.83	8.18
psSAR10g [W/Kg]	2.19	2.34
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



## System Performance Check Report

## Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D5GHzV2 - SN1371	5600.0	HSL	20.0	2.1	2.9	0.3	-1.4

## Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10	CW, 0--		5600.000, 0	4.65	5.16	35.5

## Hardware Setup

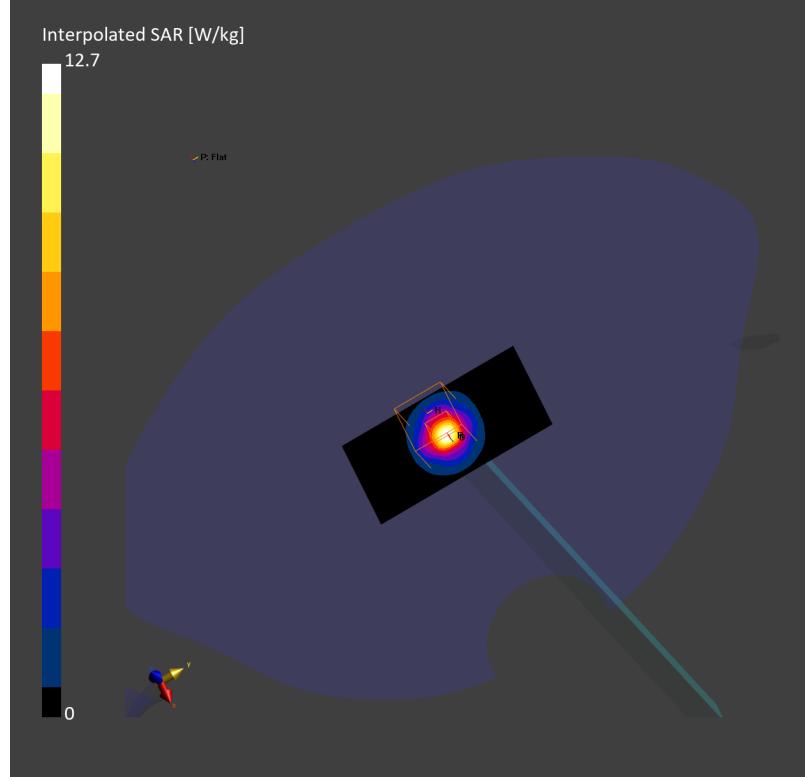
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2168	HSL5GHz	EX3DV4 - SN7758, 2024-09-12	DAE4ip Sn1846, 2024-12-10

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

## Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-16, 08:35	2025-03-16, 08:41
psSAR1g [W/Kg]	8.09	8.40
psSAR10g [W/Kg]	2.26	2.40
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



## System Performance Check Report

## Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D5GHzV2 - SN1371	5800.0	HSL	20.0	-4.2	-2.8	-5.6	1.4

## Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10	CW, 0--		5800.000, 0	4.81	5.38	35.5

## Hardware Setup

Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2168	HSL5GHz	EX3DV4 - SN7758, 2024-09-12	DAE4ip Sn1846, 2024-12-10

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

## Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-17, 08:48	2025-03-17, 08:55
psSAR1g [W/Kg]	7.37	7.63
psSAR10g [W/Kg]	2.06	2.17
Power Drift [dB]	-0.00	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

