

# Appendix A

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| System Check 2450 MHz Head |
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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        | 0.9         | 6.8          | –0.0          | 4.6            |

Exposure Conditions

| Phantom Section, TSL         | Test Distance [mm] | Band    | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|------------------------------|--------------------|---------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, Head Simulating Liquid | 10                 | CW, 0-- |            | 2450.000, 0                     | 6.97              | 1.82                   | 39.5             |

Hardware Setup

| Phantom                                 | TSL     | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------------------------------|---------|-----------------------------|---------------------------|
| Twin-SAM V8.0 (30deg probe tilt) – 2173 | HSL2450 | EX3DV4 – SN7858, 2026–02–20 | DAE4ip Sn1847, 2026–03–17 |

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                | 2026–07–29, 16:19 | 2026–07–29, 16:26 |
| psSAR1g [W/Kg]      | 4.94              | 5.21              |
| psSAR10g [W/Kg]     | 2.43              | 2.56              |
| Power Drift [dB]    | 0.08              | 0.07              |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor [dB] |                   |                   |
| TSL Correction      | No correction     | No correction     |

