

# Appendix A

|                            |
|----------------------------|
| System Check 2450 MHz Head |
|----------------------------|

Summary

|                  |                 |     |             |             |              |               |                |
|------------------|-----------------|-----|-------------|-------------|--------------|---------------|----------------|
| Dipole           | Frequency [MHz] | TSL | Power [dBm] | Dev. 1g [%] | Dev. 10g [%] | Dev. Peak [%] | Iso. Error [%] |
| D2450V2 – SN1099 | 2450.0          | HSL | 20.0        | 1.5         | 1.0          | 4.0           | 2.7            |

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              | 1.79                   | 39.5             |

Hardware Setup

|   |         |                             |                           |
|---|---------|-----------------------------|---------------------------|
| Phantom                                 | TSL     | Probe, Calibration Date     | DAE, Calibration Date     |
| Twin-SAM V8.0 (30deg probe tilt) – 2173 | HSL2450 | EX3DV4 – SN7812, 2024-06-25 | DAE4ip Sn1847, 2024-12-31 |

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, 12:43 | 2025-03-06, 12:50 |
| psSAR1g [W/Kg]      | 5.05              | 5.19              |
| psSAR10g [W/Kg]     | 2.34              | 2.41              |
| Power Drift [dB]    | -0.02             | 0.12              |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor [dB] |                   |                   |
| TSL Correction      | No correction     | No correction     |

