

Appendix A

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| System Check 2450 MHz Head |
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Summary

| Dipole | Frequency [MHz] | TSL | Power [dBm] | Dev. 1g [%] | Dev. 10g [%] | Dev. Peak [%] | Iso. Error [%] |
|------------------|-----------------|-----|-------------|-------------|--------------|---------------|----------------|
| D2450V2 – SN1099 | 2450.0 | HSL | 20.0 | –0.8 | –0.1 | –0.6 | –1.7 |

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 | 1.81 | 39.8 |

Hardware Setup

| Phantom | TSL | Probe, Calibration Date | DAE, Calibration Date |
|---|---------|-----------------------------|---------------------------|
| Twin-SAM V8.0 (30deg probe tilt) – 2168 | HSL2450 | EX3DV4 – SN7812, 2024-06-25 | 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 | All points | All points |
| Scan Method | Measured | Measured |

Measurement Results

| | Area Scan | Zoom Scan |
|---------------------|-------------------|-------------------|
| Date | 2025-01-04, 17:15 | 2025-01-04, 17:25 |
| psSAR1g [W/Kg] | 5.06 | 5.09 |
| psSAR10g [W/Kg] | 2.37 | 2.38 |
| Power Drift [dB] | 0.01 | 0.00 |
| Power Scaling | Disabled | Disabled |
| Scaling Factor [dB] | | |
| TSL Correction | No correction | No correction |

