

# Appendix C: System Check Plots

## RF SAFETY LABORATORY

### System Verification

#### Verification Conditions

| Verification Source | Power [dBm] | Phantom Section | Test Distance [mm] | Signal, UID | Frequency [MHz] | ConvF (x, y, z) |
|---------------------|-------------|-----------------|--------------------|-------------|-----------------|-----------------|
| D2450V2 – SN1112    | 17.0        | Flat            | 10                 | CW, 0       | 2450.000        | 7.84, 7.84,7.84 |

#### Test Setup

| Test Date  | Ambient Temp [°C] | TSL Temp [°C] | Measurement SW | Phantom              | TSL Type               | Cond. [S/m] | Perm. | Probe, Cal. Date            | DAE, Cal. Date            |
|------------|-------------------|---------------|----------------|----------------------|------------------------|-------------|-------|-----------------------------|---------------------------|
| 2025-03-12 | 24.5              | 22.7          | 16.4.0.5005    | Twin-SAM V8.0 – 2159 | Head Simulating Liquid | 1.81        | 37.3  | EX3DV4 – SN7872, 2024-03-15 | DAE4ip Sn1843, 2024-08-14 |

#### Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 40.0 x 80.0 | 30.0 x 30.0 x 31.2 |
| Grid Steps [mm]     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Grading Ratio       | N/A         | 1.5                |

#### Measurement Results

|                         | SAR [W/kg] or APD [W/m²] | Deviation [%] |
|-------------------------|--------------------------|---------------|
| psSAR1g                 | 2.50                     | -1.42         |
| psSAR10g                | 1.16                     | -2.34         |
| Peak SAR (Extrapolated) | 5.54                     | 6.08          |
| psAPD (4.0 cm², sq)     | N/A                      | N/A           |

