

Appendix D

Per KDB 865664 D01, guidance, dipoles longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

- a. When the measured SAR deviates from the calibrated SAR value by less than 10%.
- b. When the most recent return loss result, measured at least annually, deviates by less than 20% from the previous measurement.
- c. When the most recent measurement of the impedance, measured at least annually, deviates by more than 5 Ω from the previous measurement.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Return Loss

| Dipole Type | Dipole Serial Number | SPEAG Cal. Date | Frequency (MHz) | Return Loss Measured (dB) | | Deviation | Result |
|-------------|----------------------|-----------------|-----------------|---------------------------|------------|-----------|--------|
| | | | | Target | Meas. | (%) | |
| | | | | 2024/08/23 | 2024/10/15 | | |
| D2450V2 | 728 | 2024/08/23 | 2450 | -22.581 | -24.475 | 7.74% | Pass |

Note:

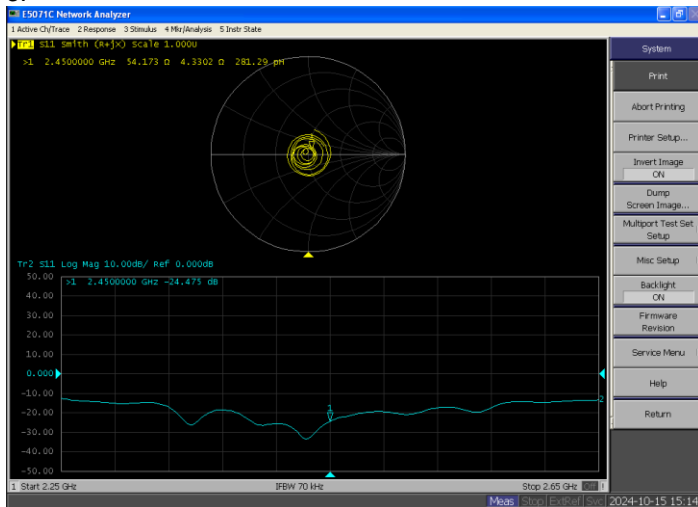
- Recent return-loss result need deviates by less than 20% from the previous measurement.
- Network Analyzer has been measured with calibration kit.

Impedance:

| Dipole Type | Dipole Serial Number | SPEAG Cal. Date | Frequency (MHz) | Impedance Measured (Ω) | | Deviation | Result |
|-------------|----------------------|-----------------|-----------------|------------------------|------------|-----------|--------|
| | | | | Target | Meas. | (Ω) | |
| | | | | 2024/08/23 | 2024/10/15 | | |
| D2450V2 | 728 | 2024/08/23 | 2450 | 52.977 | 54.173 | 1.20 | Pass |

Note:

- Recent impedance result need deviates by less than 5 Ω from the previous measurement.
- Network Analyzer has been measured with calibration kit.
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System check:

| Dipole Type | Dipole Serial Number | SPEAG Cal. Date | Frequency (MHz) | System check Measured (W/kg) | | | | 1g SAR Deviation | 10g SAR Deviation | Result |
|-------------|----------------------|-----------------|-----------------|------------------------------|---------|------------|---------|------------------|-------------------|--------|
| | | | | Target | | Meas. | | (%) | (%) | |
| | | | | 2024/08/23 | | 2024/10/15 | | | | |
| | | | | 1g SAR | 10g SAR | 1g SAR | 10g SAR | | | |
| D2450V2 | 728 | 2024/08/23 | 2450 | 13.20 | 6.22 | 13.70 | 6.35 | 3.79% | 2.09% | Pass |

Note:

Recent system check result need deviates by less than 10% from the previous measurement.

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Measurement Report

Dipole_D2450-SN:728

Ambient temperature: 22.1°C; Liquid temperature: 21.5°C

Exposure Conditions

| | | | | |
|------------------------------|------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Position, Test Distance [mm] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat, Head Simulating Liquid | FRONT, 10.00 | 8.05 | 1.824 | 38.915 |

Hardware Setup

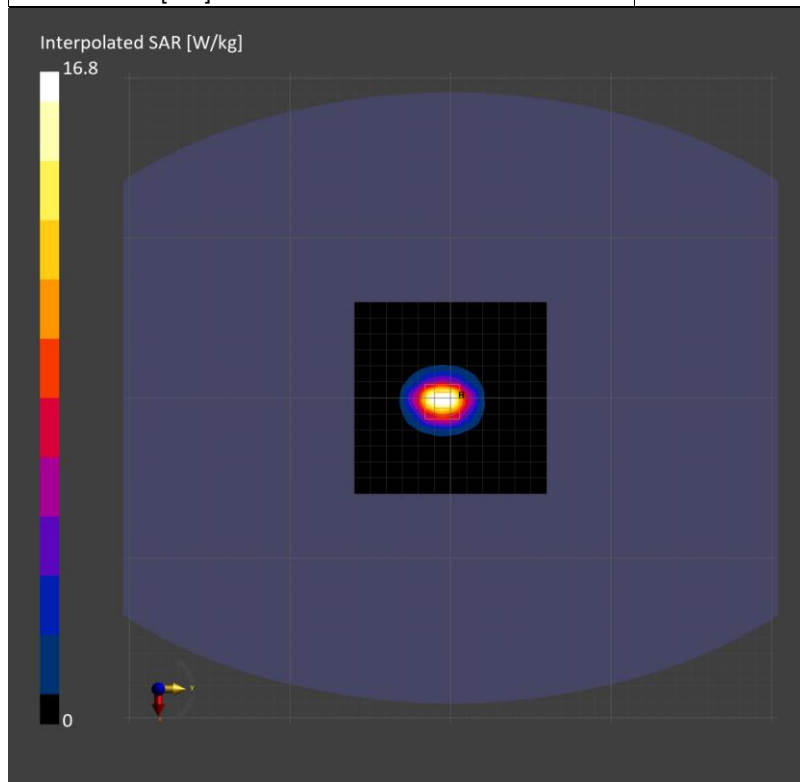
| | | |
|---------|-----------------------------|------------------------|
| Phantom | Probe, Calibration Date | DAE, Calibration Date |
| ELI | EX3DV4 - SN7686, 2023-09-21 | DAE4 Sn558, 2023-11-20 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 120.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 12.0 x 12.0 | 5.0 x 5.0 x 5.0 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|------------|------------|
| Date | 2024-10-15 | 2024-10-15 |
| psSAR1g [W/kg] | 13.3 | 13.7 |
| psSAR8g [W/kg] | 6.86 | 7.02 |
| psSAR10g [W/kg] | 6.20 | 6.35 |
| Power Drift [dB] | -0.03 | 0.02 |
| M2/M1 [%] | | 54.3 |
| Dist 3dB Peak [mm] | | 9.3 |



- End of report -

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