# Annex D. Tissue & System Verification

The measuring results for tissue simulating liquid and system check are shown as below.

**Note:**

1. For Section 4.3, the dielectric properties of the tissue simulating liquid have been measured within 24 hours before the SAR testing and within ±10 % of the target values. Liquid temperature during the SAR testing has kept within ±2 ℃.
2. For Section 4.4, The SAR measurement system was validated according to procedures in KDB 865664 D01. The validation status in tabulated summary is as below.
3. For Section 4.5, Comparing to the reference SAR value provided by SPEAG in dipole calibration certificate, the deviation of system check results is within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots please refer to Appendix A of this report.

| Tissue Verification | | | | | | | | | Validation for CW | | | Validation for Modulation | | | | System Validation | | | | | Note | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Plot No. | Frequency (MHz) | Liquid Temp. (°C) | Conductivity (σ) | Permittivity (εr) | Targeted Conductivity (σ) | Targeted Permittivity (εr) | Deviation Conductivity (σ) | Deviation Permittivity (εr) | Sensitivity Range | Probe Linearity | Probe Isotropy | Modulation Type | Duty Factor | PAR | Date | Frequency (MHz) | Targeted 1g SAR (W/kg) | Measured 1g SAR (W/kg) | Normalized 1g SAR (W/kg) | Deviation (%) | Dipole S/N | Probe S/N | DAE S/N |
| S01 | 2450 | 23.4 | 1.861 | 38.027 | 1.8 | 39.2 | 3.39 | -2.99 | Pass | Pass | Pass | OFDM | N/A | Pass | Jul. 28, 2021 | 2450 | 52.70 | 2.67 | 53.40 | 1.33 | 835 | 3650 | 1277 |