

## Annex F. Calibration Certificates

| ID      | Device                           | Type/Model | Serial Number | Manufacturer | Calibration Certificate                                                             |
|---------|----------------------------------|------------|---------------|--------------|-------------------------------------------------------------------------------------|
| 443-000 | E-field Probe                    | EUmmWV2    | 9538          | SPEAG        |  |
| 001-006 | Dosimetric E-field Probe         | EX3DV4     | 7325          | SPEAG        |  |
| 096-000 | 6500MHz System Validation Dipole | D6.5GHzV2  | 1013          | SPEAG        |  |

### Dipole calibration

According to the KDB 865664 D01, a dipole must be calibrated using a fully validated SAR system according to the tissue dielectric parameters and SAR probe calibration frequency required for device testing. However, instead of the typical annual calibration recommended by measurement standards, 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 remain stable according to the following requirements.

1. When the most recent return-loss result, measured at least annually, deviates by less than 20% from the previous measurement (i.e. value in dB  $\times$  0.2) or not meeting the required 20 dB minimum return-loss requirement.
2. When the most recent measurement of the real or imaginary parts of the impedance, measured at least annually, deviates by less than 5  $\Omega$  from the previous measurement

| Dipole ID #096-000      |                  |                        |            |
|-------------------------|------------------|------------------------|------------|
| Dipole 6500MHz Head TSL |                  |                        |            |
|                         | Return Loss [dB] | Impedance [ $\Omega$ ] | Date       |
| Initial Calibration     | -24.5            | 49.4 - 5.9 j           | 2020-09-25 |
| Last calibration        | -27.2            | 49.8 - 4.4 j           | 2021-09-10 |