

# SAR Dipole Performance Measurement Report

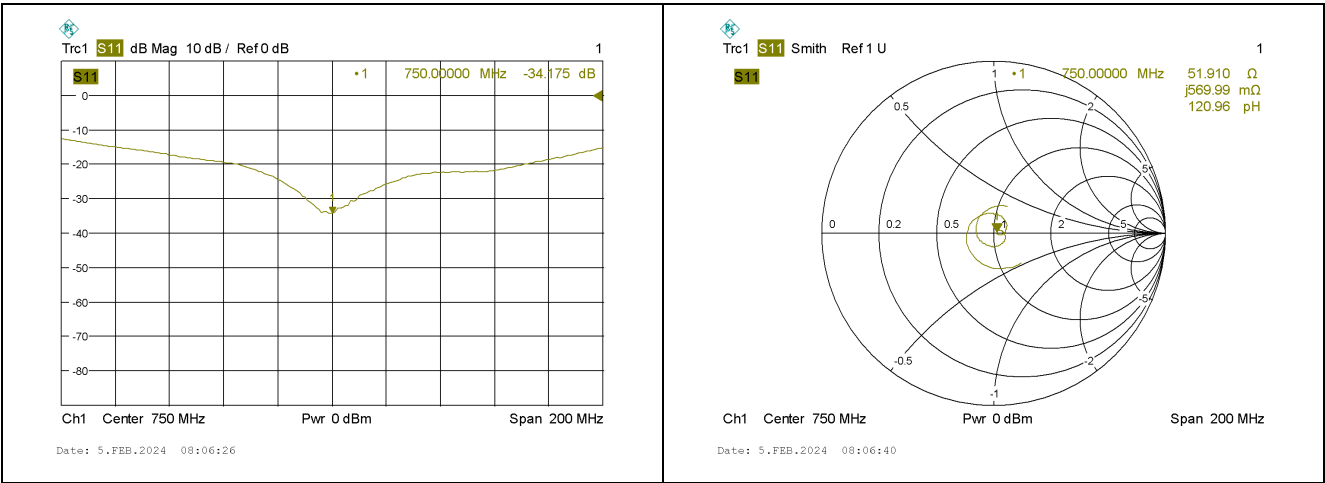
If dipoles are verified in return loss<-20dB, (within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

| Head 750 MHz        |                  |           |           |            |
|---------------------|------------------|-----------|-----------|------------|
| Date of Measurement | Return Loss (dB) | Delta (%) | Impedance | Delta(ohm) |
| 2022.02.11          | -36.40           | -         | 48.6      | -          |
| 2023.02.08          | -30.380          | -16.54    | 52.757    | 4.16       |
| 2024.02.05          | -34.175          | -6.11     | 51.910    | 3.31       |

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

## <Dipole Verification Data>

### Head 750 MHz



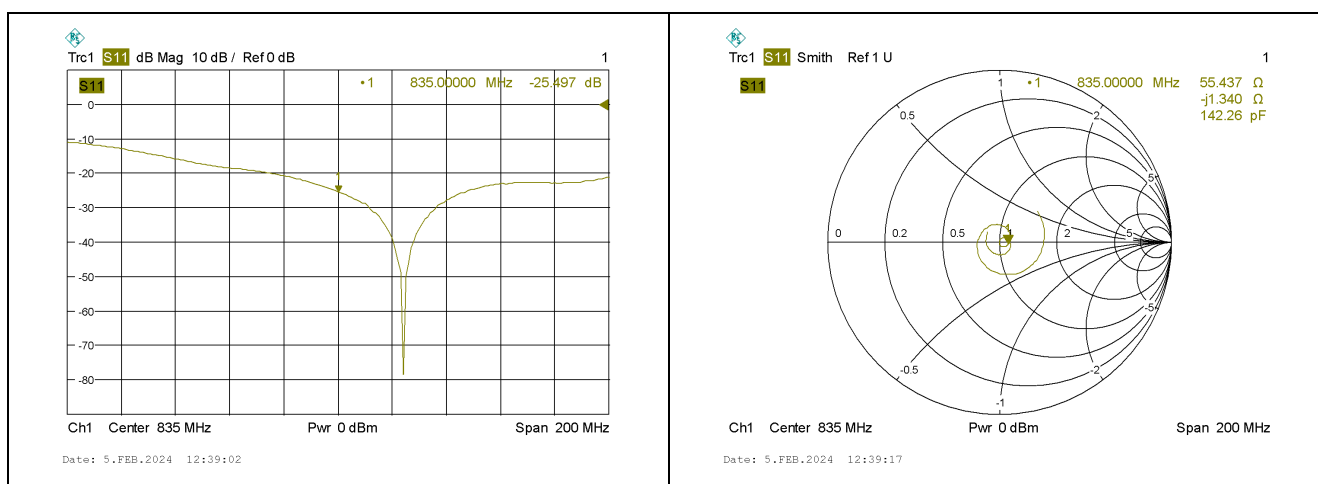


| Head 835 MHz        |                  |           |           |            |
|---------------------|------------------|-----------|-----------|------------|
| Date of Measurement | Return Loss (dB) | Delta (%) | Impedance | Delta(ohm) |
| 2022.02.11          | -25.67           | -         | 54.4      | -          |
| 2023.02.08          | -27.048          | 5.37      | 56.211    | 1.81       |
| 2024.02.05          | -25.497          | -0.67     | 55.437    | 1.037      |

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Head 835MHz



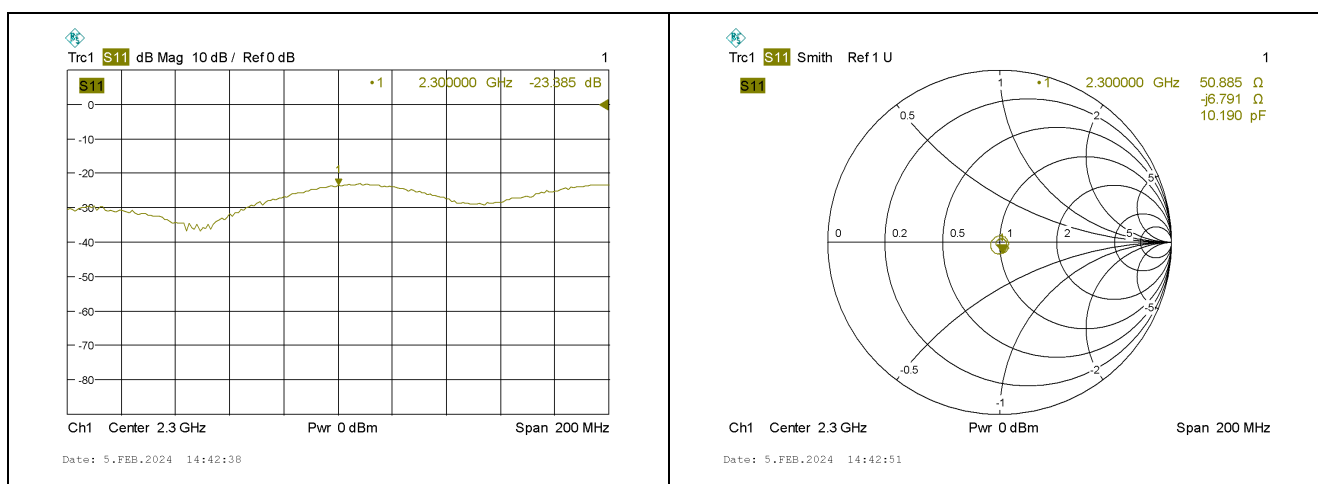


| Head 1800 MHz       |                  |           |           |            |
|---------------------|------------------|-----------|-----------|------------|
| Date of Measurement | Return Loss (dB) | Delta (%) | Impedance | Delta(ohm) |
| 2022.02.11          | -28.69           | -         | 51.9      | -          |
| 2023.02.08          | -25.320          | -11.75    | 47.250    | -4.65      |
| 2024.02.05          | -23.385          | -18.49    | 50.885    | -1.02      |

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

#### <Dipole Verification Data>

#### Head 1800 MHz



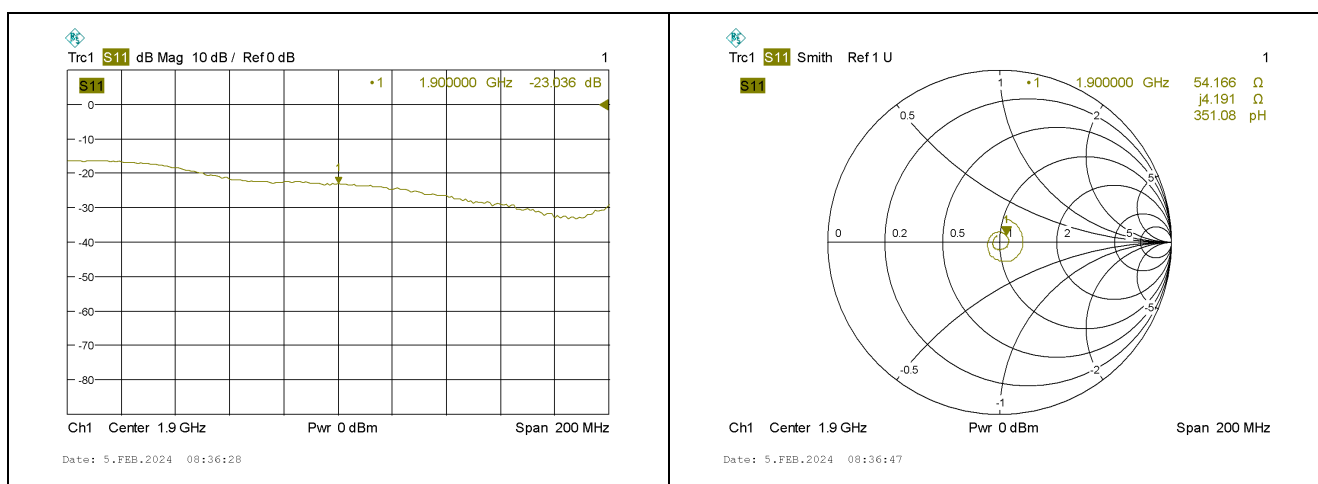


| Head 1900 MHz       |                  |           |           |            |
|---------------------|------------------|-----------|-----------|------------|
| Date of Measurement | Return Loss (dB) | Delta (%) | Impedance | Delta(ohm) |
| 2022.02.11          | -25.33           | -         | 52.4      | -          |
| 2023.02.08          | -23.790          | -6.08     | 49.567    | -2.83      |
| 2024.02.05          | -23.036          | -9.06     | 54.166    | 1.77       |

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

#### <Dipole Verification Data>

#### Head 1900 MHz



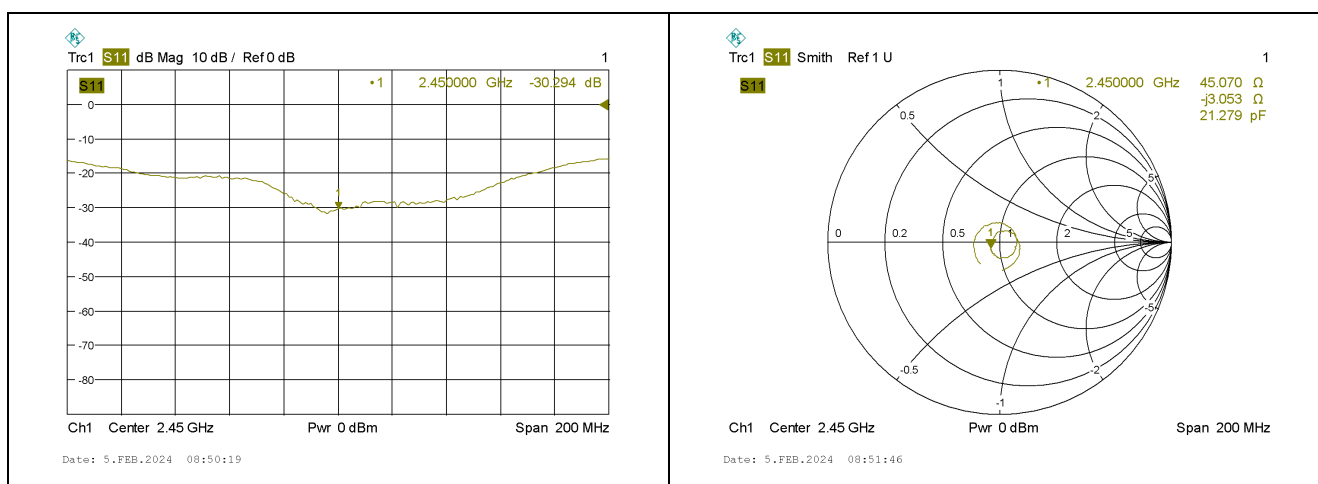


| Head 2450 MHz       |                  |           |           |            |
|---------------------|------------------|-----------|-----------|------------|
| Date of Measurement | Return Loss (dB) | Delta (%) | Impedance | Delta(ohm) |
| 2022.02.11          | -33.65           | -         | 49.2      | -          |
| 2023.02.08          | -29.606          | -12.02    | 51.232    | 2.03       |
| 2024.02.05          | -30.294          | -9.97     | 45.070    | -4.13      |

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

#### <Dipole Verification Data>

#### Head 2450 MHz



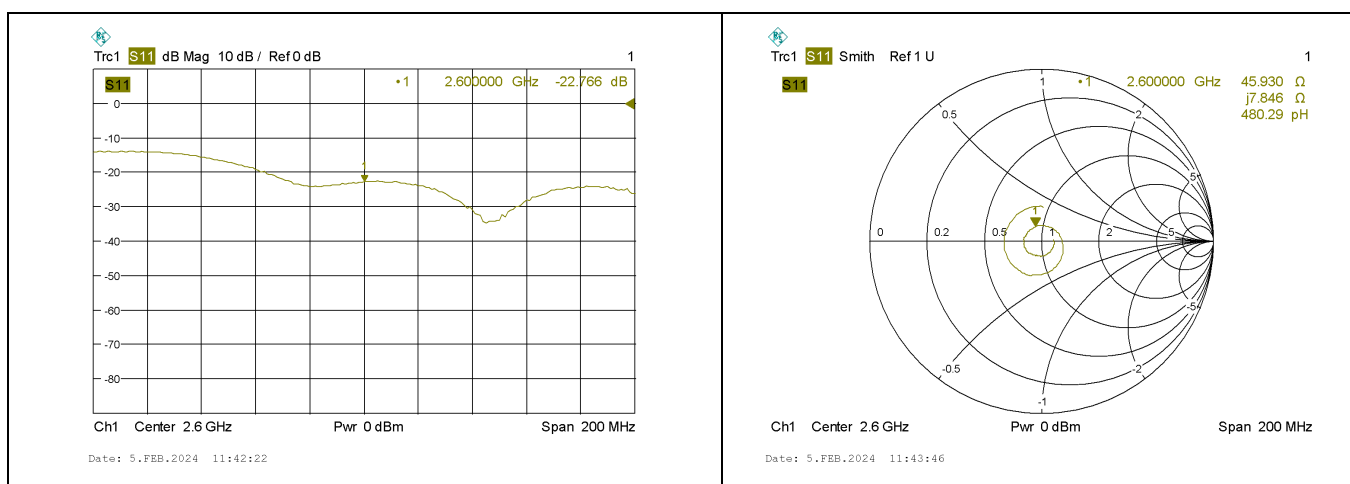


| Head 2600 MHz       |                  |           |           |            |
|---------------------|------------------|-----------|-----------|------------|
| Date of Measurement | Return Loss (dB) | Delta (%) | Impedance | Delta(ohm) |
| 2022.02.11          | -25.00           | -         | 49.8      | -          |
| 2023.02.08          | -24.516          | -1.94     | 50.305    | 0.51       |
| 2024.02.05          | -22.766          | -9.97     | 45.930    | -3.87      |

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

#### <Dipole Verification Data>

#### Head 2600 MHz



\*\*\*\*\*END OF THE REPORT\*\*\*\*\*