

APPENDIX A: SAR TEST DATA

# ELEMENT

## DUT: 2AFBP-AT18G; Type: Portable Transmitter

Communication System: UID:10187 - CAG, LTE-FDD; MAIA: Y; Frequency: 1710.7 MHz

Medium: 1750 Head; Medium parameters used:

$f = 1710.7$  MHz;  $\text{cond} = 1.39$  S/m;  $\text{perm} = 39.1$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/08/2024; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7308; ConvF:(8.53,8.53,8.53); Calibrated: 2024-02-09

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn534; Calibrated: 2024-03-06

Phantom: Twin-SAM V4.0; Serial: 1598

Measurement SW: DASY Module SAR V16.4.0.5005

## Mode: LTE Band 4, Exp: Body| Front Side, Ch. Low, 1.4 MHz Bandwidth, QPSK, 1 RB, 2 RB Offset

**Area Scan (210.0 x 120.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.66 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 0.718 W/kg**

Smallest distance from peaks to all points 3 dB below is 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 80.3 %

