



Appendix B

Detailed Test Results

2.4GHz for Head



Date:2026/9/17

Test Laboratory: LCS-SAR Lab

2.4G MSK 78CH Head Cheek**DUT: Allcomm Full-Duplex Intercom System ; Type: 290-0010 ; Serial: C260625002-1**

Communication System: UID 0, 2.4GHz (0); Frequency: 2480 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2480 \text{ MHz}$; $\sigma = 1.886 \text{ S/m}$; $\epsilon_r = 38.265$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.38, 7.38, 7.38); Calibrated: 2026/3/2;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2026/3/2
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head /Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.487 W/kg

Configuration/Head /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.526 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.536 W/kg

