
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2023/10/17

4_RF 2.4GHz_2.4G Wireless_CH39_Back_5mm_ANT Main

DUT: Dongle; Type: R55ES-D

Communication System: UID 0, WLAN 2.4G; Frequency: 2480 MHz

Communication System PAR: 0dB

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(7.58, 7.58, 7.58) @ 2480 MHz; Calibrated: 2022/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Maximum value of SAR (measured) = 0.105 W/kg

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

Reference Value = 7.669 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.029 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 0.101 W/kg

