

Appendix C

Highest Test Plot

Dahua DHI-UAV-R10-RH 802.11b 11CH top edge 0mm-Antenna bent 90 degree_Controller

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Communication System: UID 0, WiFi (0); Frequency: 2462 MHz

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.999$ S/m; $\epsilon_r = 51.404$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(7.63, 7.63, 7.63); Calibrated: 2016/12/27;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn427; Calibrated: 2016/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1235
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (18x22x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.823 W/kg

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

Reference Value = 0.9440 V/m; Power Drift = -1.19 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 0.906 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.9440 V/m; Power Drift = -1.19 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.760 W/kg

