

Appendix B

Detailed Test Results

WIFI 2.4G for Body
BT for Body
58GHz for Body

Test Laboratory: SGS-SAR Lab

HY-MHR202 WIFI 2.4G 802.11b 11CH Top side 0mm

DUT: HY-MHR202;

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium: HSL2450;Medium parameters used: $f = 2462$ MHz; $\sigma = 1.892$ S/m; $\epsilon_r = 38.826$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(7.4, 7.32, 7.42); Calibrated: 2023-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2023-03-27
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (9x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.354 W/kg

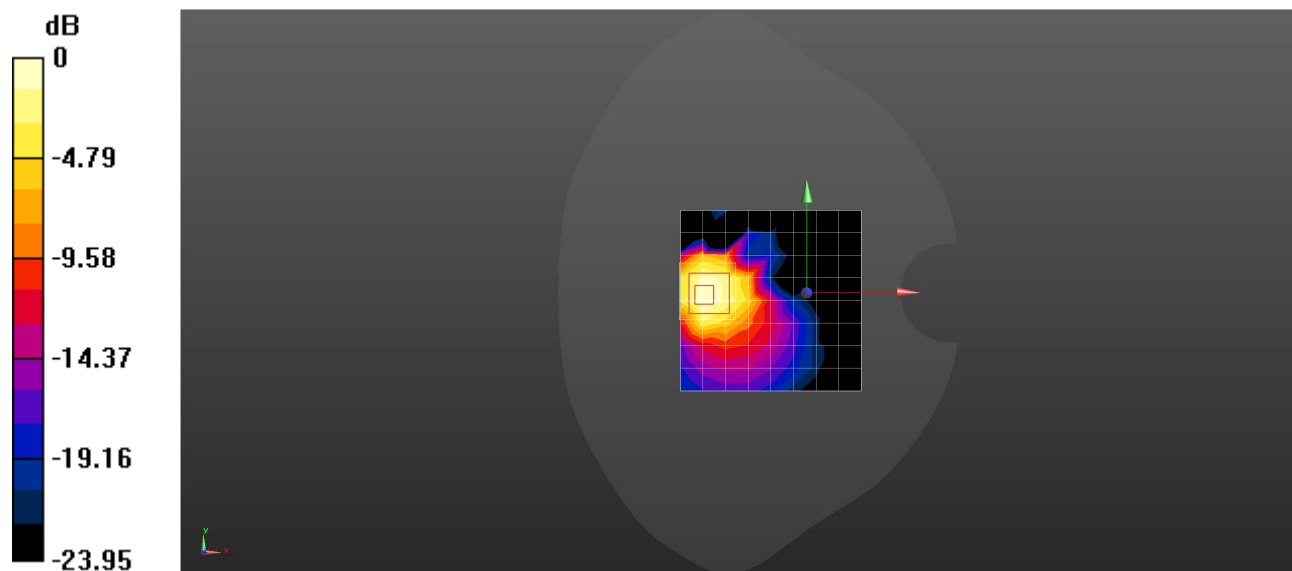
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.479 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.413 W/kg

SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.329 W/kg



0 dB = 0.329 W/kg = -4.83 dBW/kg

Test Laboratory: SGS-SAR Lab

HY-MHR202 Bluetooth 3-DH5 0CH Top side 0mm

DUT: HY-MHR202;

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used: $f = 2402$ MHz; $\sigma = 1.826$ S/m; $\epsilon_r = 39.027$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(7.4, 7.32, 7.42); Calibrated: 2023-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2023-03-27
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.111 W/kg

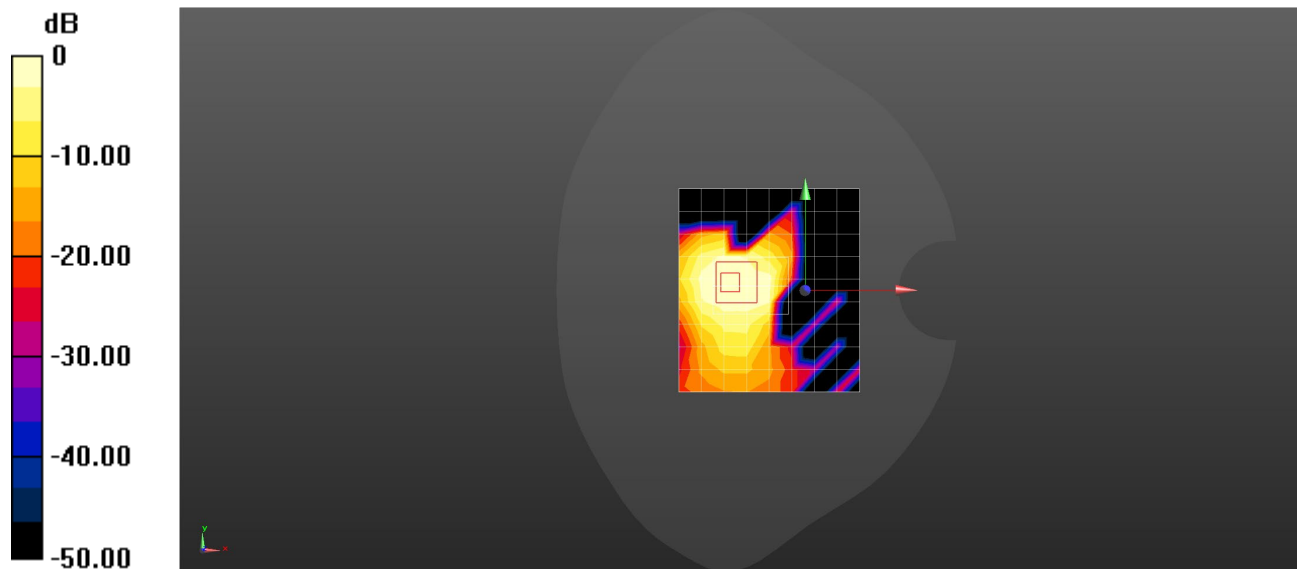
Configuration/Body/Zoom Scan (9x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.657 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.135 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.112 W/kg = -9.51 dBW/kg

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
HY-MHR202	65.0 x 65.0 x 50.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE BOTTOM, 2.00	Validation band	CW, 10881-AAE	58000.0, 58000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1777	Air -	EUmmWV4 - SN9533_F55-110GHz, 2023-08-18	DAE4 Sn1663, 2023-03-27

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2024-03-16
Avg. Area [cm2]	1.00
psPDn+ [W/m2]	0.392
psPDtot+ [W/m2]	0.397
psPDmod+ [W/m2]	0.400
E _{max} [V/m]	13.5
Power Drift [dB]	-0.08

