



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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Rev.: 01

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Appendix B

Detailed Test Results

1. WIFI
WIFI 2.4G
WIFI 5G
2. BT
BT

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Test Laboratory: SGS-SAR Lab

AIR2511 WIFI2.4G 802.11b Ch6 Back side with Belt clip 0mm

DUT: AIR2511; Type: Smart Recorder; Serial: NA

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.007

Medium: HSL2450;Medium parameters used: $f = 2437$ MHz; $\sigma = 1.767$ S/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.03, 8.03, 8.03); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (6x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.585 W/kg

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

Reference Value = 8.35 V/m; Power Drift = 0.01 dB

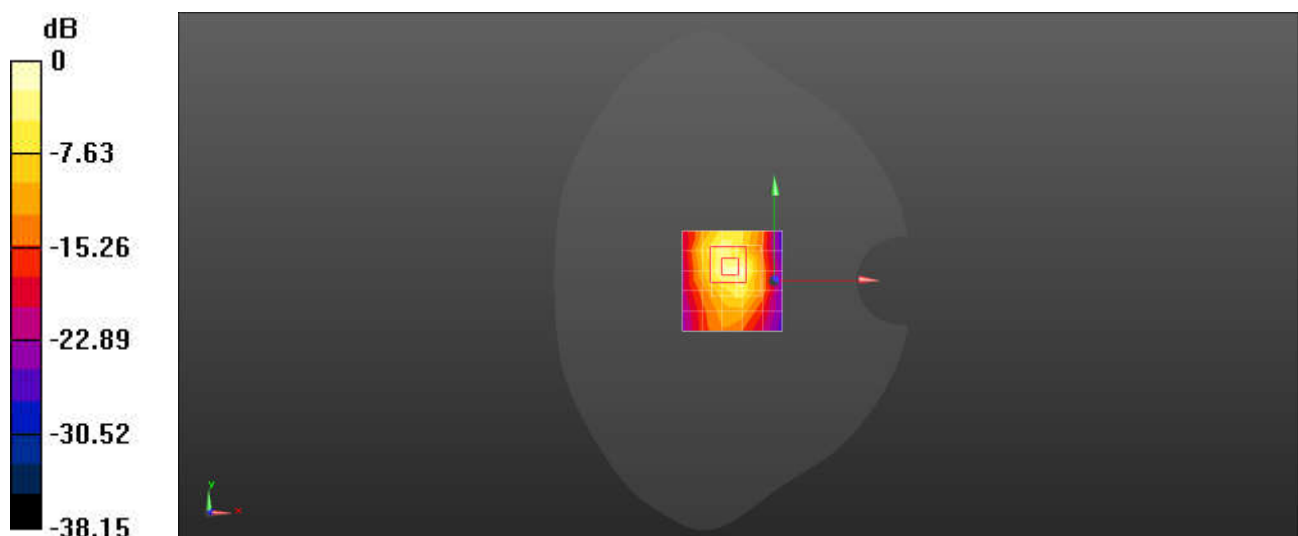
Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.143 W/kg

Smallest distance from peaks to all points 3 dB below = 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 45.2%

Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.701 W/kg = -1.54 dBW/kg

Test Laboratory: SGS-SAR Lab

AIR2511 WIFI2.4G 802.11b Ch6 Back side 0mm

DUT: AIR2511; Type: Smart Recorder; Serial: NA

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.007

Medium: HSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.767$ S/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.03, 8.03, 8.03); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (6x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.853 W/kg

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

Reference Value = 12.16 V/m; Power Drift = -0.08 dB

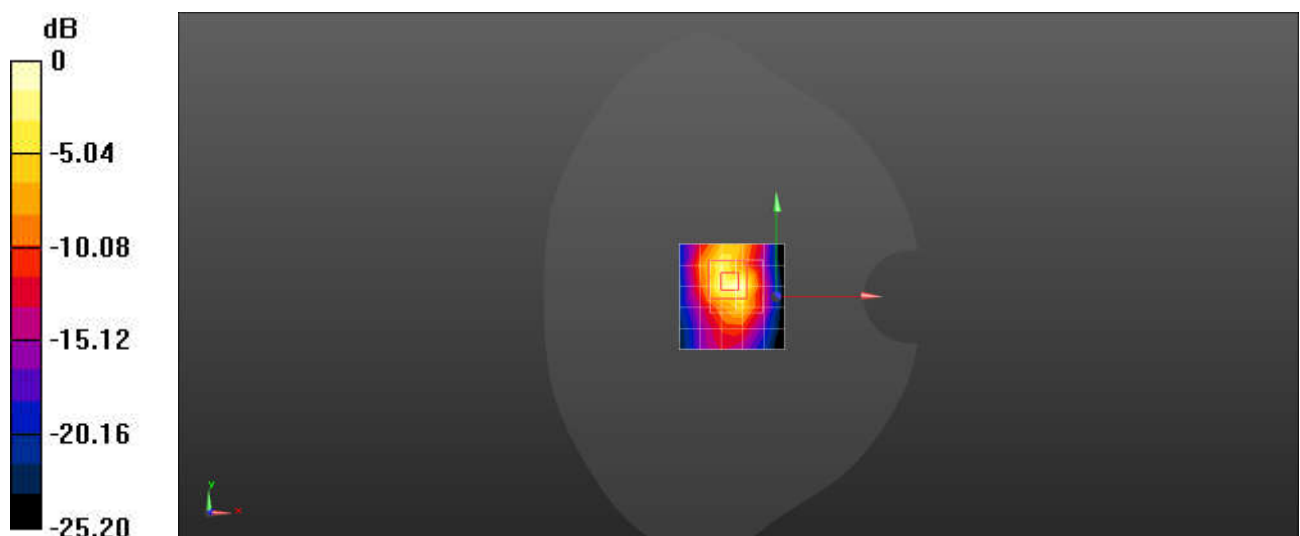
Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.208 W/kg

Smallest distance from peaks to all points 3 dB below = 5 mm

Ratio of SAR at M2 to SAR at M1 = 46.2%

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

Test Laboratory: SGS-SAR Lab

AIR2511 WIFI5G 802.11a Ch36 Back side with Belt clip 0mm

DUT: AIR2511; Type: Smart Recorder; Serial: NA

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5180 MHz;Duty Cycle: 1:1.014

Medium: HSL5000;Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.668 \text{ S/m}$; $\epsilon_r = 36.797$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(5.73, 5.73, 5.73); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (7x7x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.05 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 9.25 V/m ; Power Drift = 0.09 dB

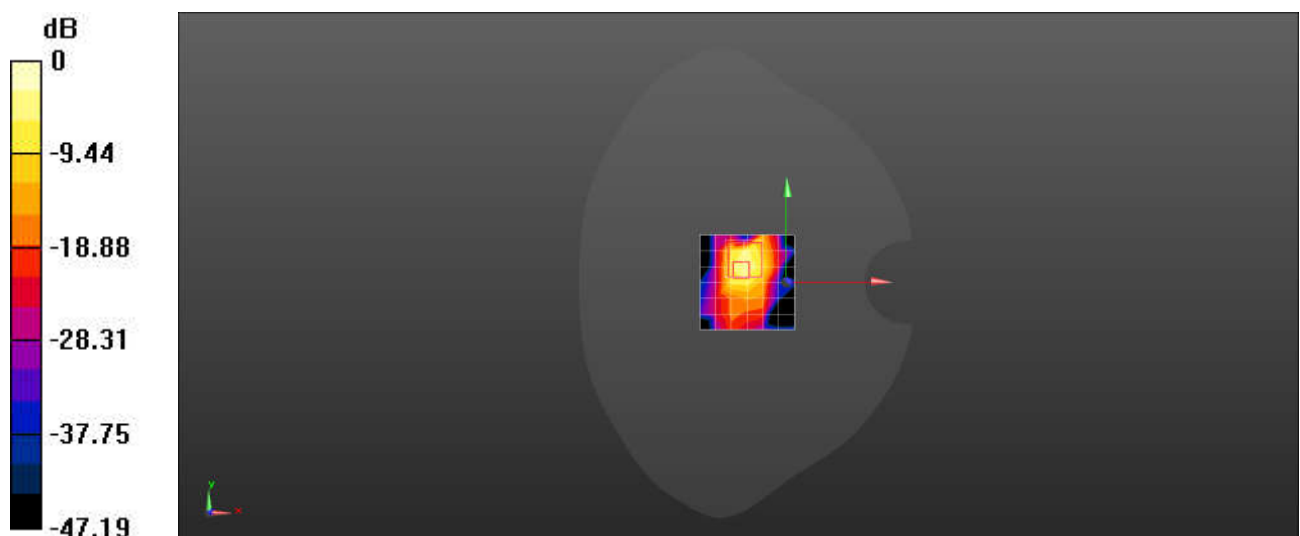
Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 0.811 W/kg ; SAR(10 g) = 0.184 W/kg

Smallest distance from peaks to all points 3 dB below = 4.7 mm

Ratio of SAR at M2 to SAR at M1 = 68.5%

Maximum value of SAR (measured) = 2.43 W/kg



0 dB = 2.43 W/kg = 3.86 dBW/kg

Test Laboratory: SGS-SAR Lab

AIR2511 WIFI5G 802.11a Ch36 Back side 0mm

DUT: AIR2511; Type: Smart Recorder; Serial: NA

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5180 MHz; Duty Cycle: 1:1.014

Medium: HSL5000; Medium parameters used: $f = 5180$ MHz; $\sigma = 4.668$ S/m; $\epsilon_r = 36.797$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(5.73, 5.73, 5.73); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.29 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.20 V/m; Power Drift = 0.01 dB

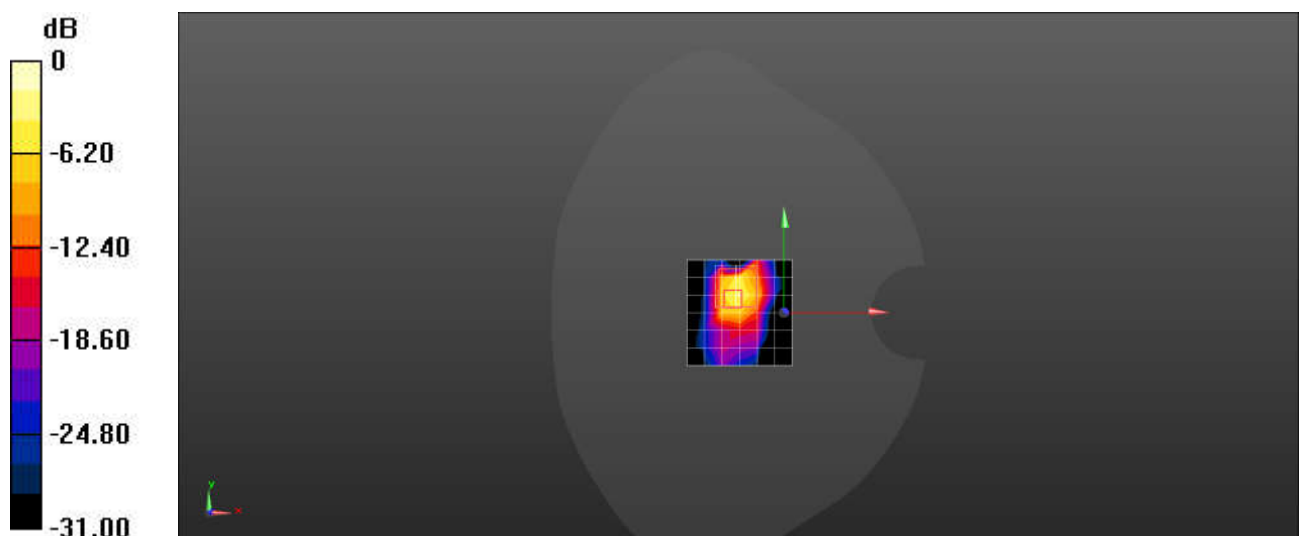
Peak SAR (extrapolated) = 4.16 W/kg

SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.251 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 74.3%

Maximum value of SAR (measured) = 2.93 W/kg



0 dB = 2.93 W/kg = 4.67 dBW/kg

Test Laboratory: SGS-SAR Lab

AIR2511 Bluetooth DH5 Ch39 Back side with Belt clip 0mm

DUT: AIR2511; Type: Smart Recorder; Serial: NA

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.297

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.771$ S/m; $\epsilon_r = 39.172$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.03, 8.03, 8.03); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (6x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0688 W/kg

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

Reference Value = 6.498 V/m; Power Drift = 0.02 dB

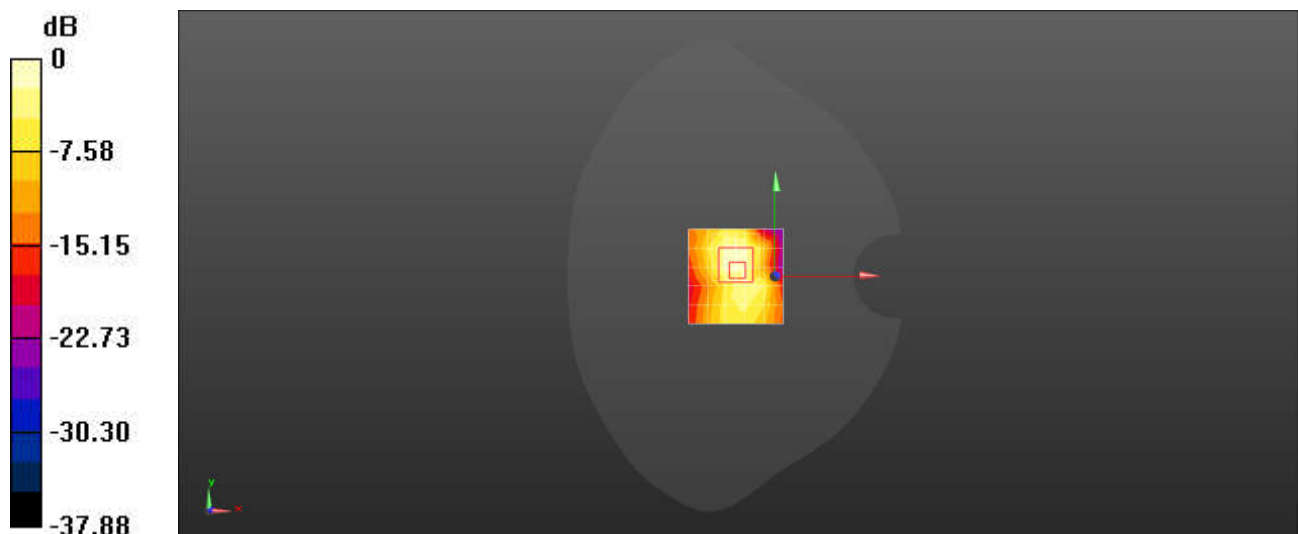
Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.022 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 59.1%

Maximum value of SAR (measured) = 0.0742 W/kg



0 dB = 0.0742 W/kg = -11.29 dBW/kg

Test Laboratory: SGS-SAR Lab

AIR2511 Bluetooth DH5 Ch39 Back side 0mm

DUT: AIR2511; Type: Smart Recorder; Serial: NA

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.297

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.771$ S/m; $\epsilon_r = 39.172$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.03, 8.03, 8.03); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (6x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0759 W/kg

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

Reference Value = 7.322 V/m; Power Drift = -0.09 dB

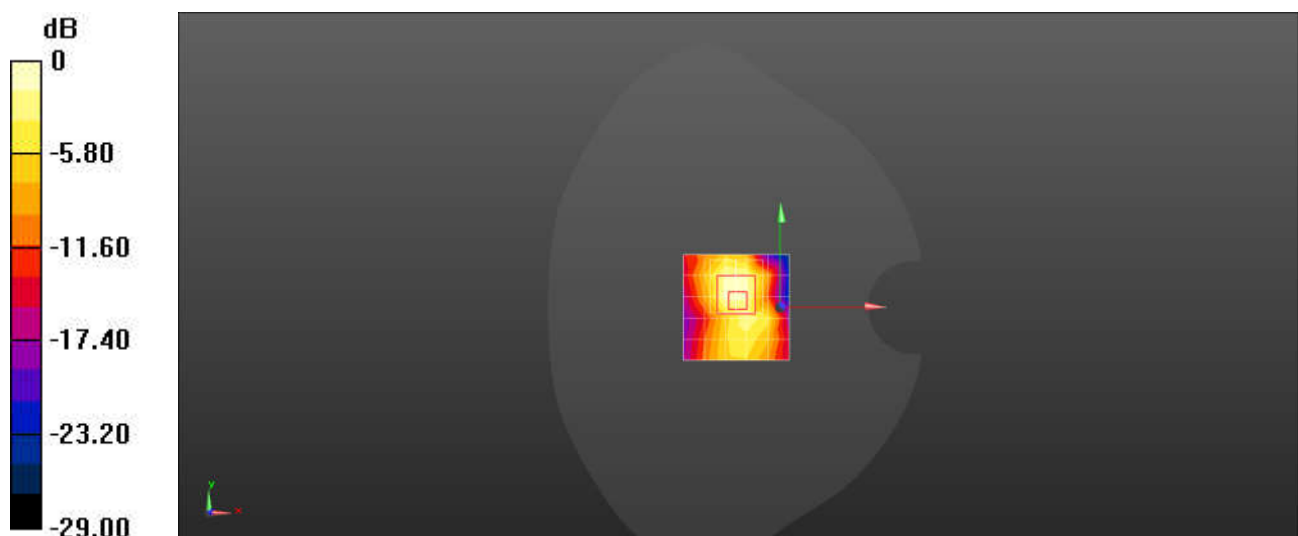
Peak SAR (extrapolated) = 0.114 W/kg

SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.028 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 48.1%

Maximum value of SAR (measured) = 0.0889 W/kg



0 dB = 0.0889 W/kg = -10.51 dBW/kg



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