

APPENDIX A: SAR TEST PLOTS

FCC ID C3K00002101	RF EXPOSURE PART 1 TEST REPORT	Approved by: Technical Manager
DUT Type: Wireless Module	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo. 	APPENDIX A

ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 7BTFT2609

Communication System: UID:10315 - AAB, WLAN; MAIA: Y; Frequency: 2412.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2412.000$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 38.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/06/2026; Ambient Temp: 21.8°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna 4, 22 MHz Bandwidth, Exp: Body| Bottom Edge, Ch. 1, 1Mbps

Area Scan (80.0 x 280.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (45.0 x 45.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

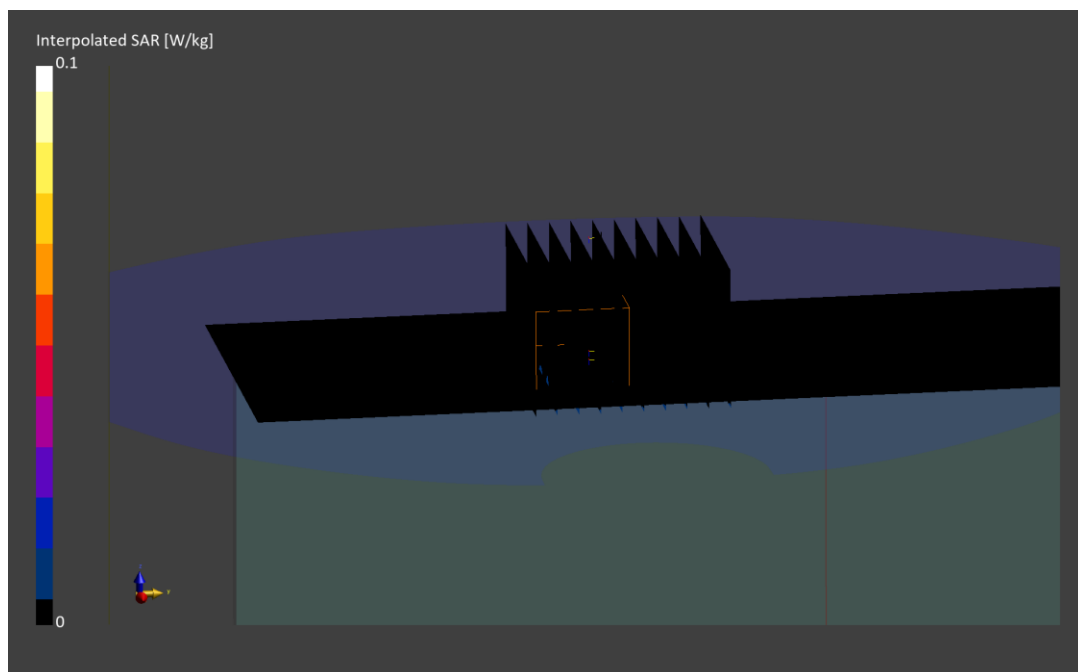
Reference Value = -0.00 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.1 W/kg

SAR(1 g) = 0.006 W/kg

Smallest distance from peaks to all points 3 dB below is 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 90.0 %



ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 4TDRD2609

Communication System: UID:10315, WLAN; MAIA: Y; Frequency: 2437.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2437.000 MHz; cond = 1.76 S/m; perm = 40.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 06/10/2026; Ambient Temp: 20.7°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna 3, 22 MHz Bandwidth, Exp: Body| Top Edge,
Ch. 6, 1Mbps**

Area Scan (40.0 x 320.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

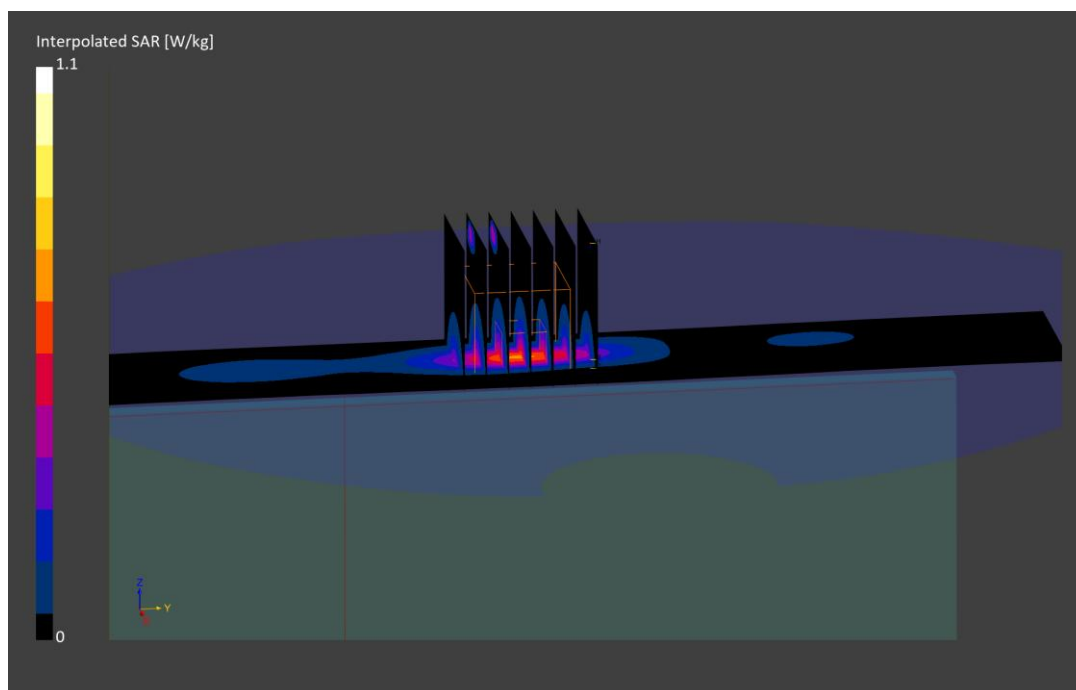
Reference Value = 0.06 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.1 W/kg

SAR(1 g) = 0.475 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 77.2 %



ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 4TDQ2609

Communication System: UID:10417 - AAD, WLAN; MAIA: Y; Frequency: 5825.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 5825.000$ MHz; $\text{cond} = 5.17$ S/m; $\text{perm} = 34.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 25.00 mm

Test Date: 06/29/2026; Ambient Temp: 24.2°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3914; ConvF:(5.37,4.86,4.88); Calibrated: 2026-05-08

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn728; Calibrated: 2026-05-07

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11a, Antenna 3, 20 MHz Bandwidth, U-NII-3, Exp: Body|
Back Side, Ch. 165, 6.0 Mbps**

Area Scan (320.0 x 220.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

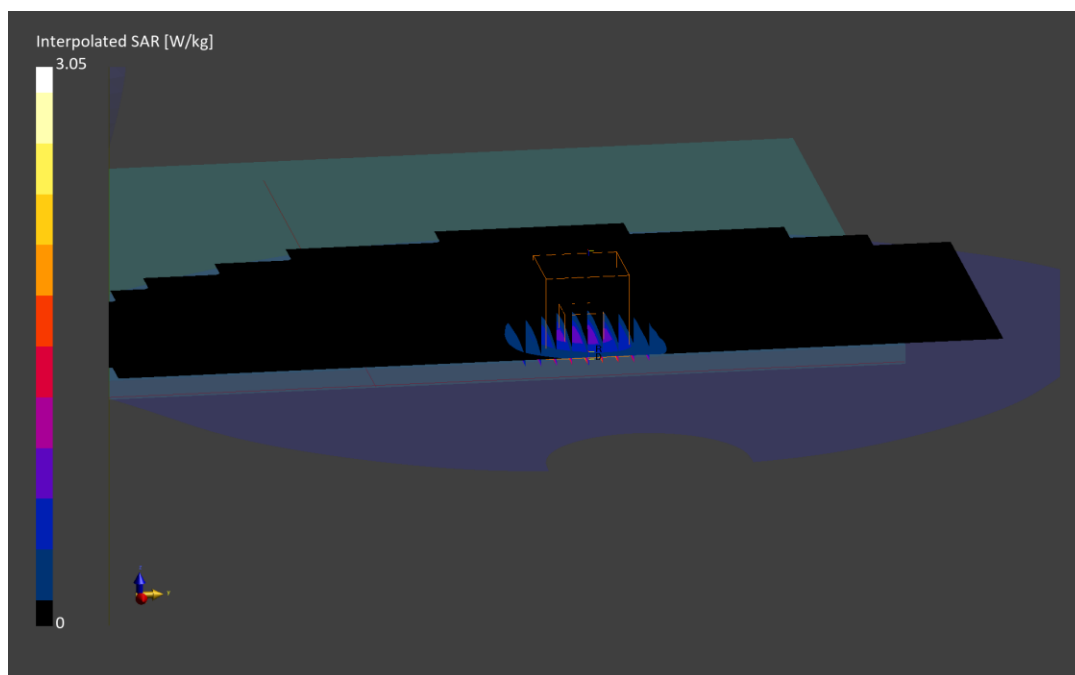
Reference Value = 0.63 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.05 W/kg

SAR(1 g) = 0.810 W/kg

Smallest distance from peaks to all points 3 dB below is 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 58.4 %



ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: TC326093

Communication System: UID:10544, CW; MAIA: Y; Frequency: 5855.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 5855.000$ MHz; $\text{cond} = 5.20$ S/m; $\text{perm} = 35.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/18/2026; Ambient Temp: 20.5°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7661; ConvF:(5.07,5.39,5.38); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1558; Calibrated: 2025-06-05

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna 3, 80 MHz Bandwidth, U-NII-4, Exp: Body|
Bottom Edge, Ch. 171, 29.3 Mbps**

Area Scan (80.0 x 160.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (40.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

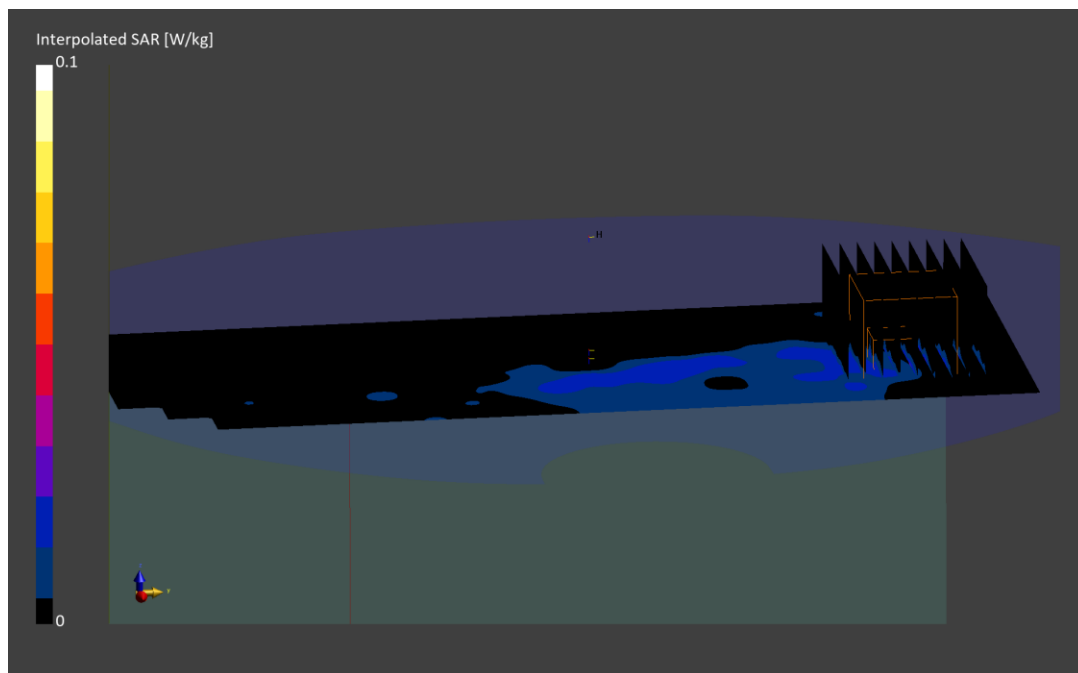
Reference Value = -0.01 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.1 W/kg

SAR(1 g) = 0.019 W/kg

Smallest distance from peaks to all points 3 dB below is 14.0 mm

Ratio of SAR at M2 to SAR at M1 = 50.7 %



ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 7BTFT2609

Communication System: UID:11026, WiFi (802.11be); MAIA: Y; Frequency: 6105.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 6105.000 MHz; cond = 5.44 S/m; perm = 35.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/01/2026; Ambient Temp: 20.0°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7406; ConvF:(5.58,5.24,5.67); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: 6 GHz WIFI/ IEEE 802.11be, Antenna 3, 320 MHz Bandwidth, U-NII-5, Exp: Body|
Bottom Edge, Ch. 31, 136.1 Mbps**

Area Scan (55.0 x 306.0): Measurement grid: dx=5.0 mm, dy=8.5 mm

Zoom Scan (34.0 x 30.6 x 22.9): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

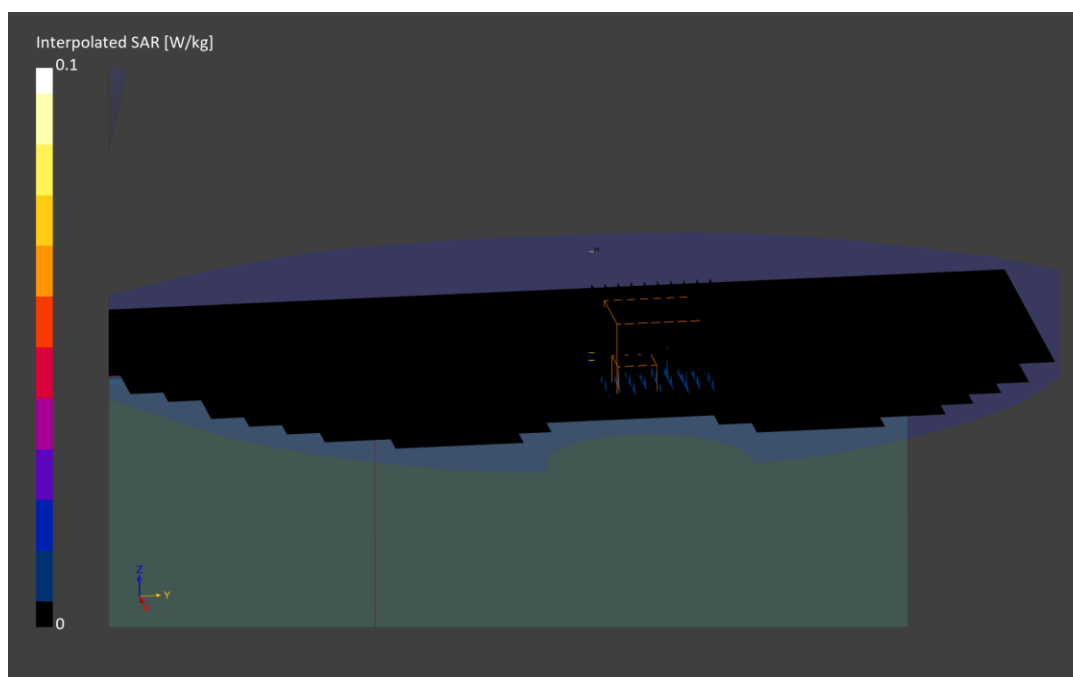
Reference Value = 0.00 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.1 W/kg

SAR(1 g) = 0.012 W/kg; APD(4cm²) = 0.120 W/m²

Smallest distance from peaks to all points 3 dB below is 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 67.7 %



ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 7BTD32609

Communication System: UID:11026, WiFi (802.11be); MAIA: Y; Frequency: 6425.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 6425.000$ MHz; $\text{cond} = 5.95$ S/m; $\text{perm} = 34.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/27/2026; Ambient Temp: 20.3°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7406; ConvF:(5.58,5.24,5.67); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: 6 GHz WIFI/ IEEE 802.11be, Antenna 3, 320 MHz Bandwidth, U-NII-6, Exp: Body|
Back Side, Ch. 95, 136.1 Mbps**

Area Scan (306.0 x 221.0): Measurement grid: $dx=8.5$ mm, $dy=8.5$ mm

Zoom Scan (34.0 x 37.4 x 22.9): Measurement grid: $dx=3.4$ mm, $dy=3.4$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

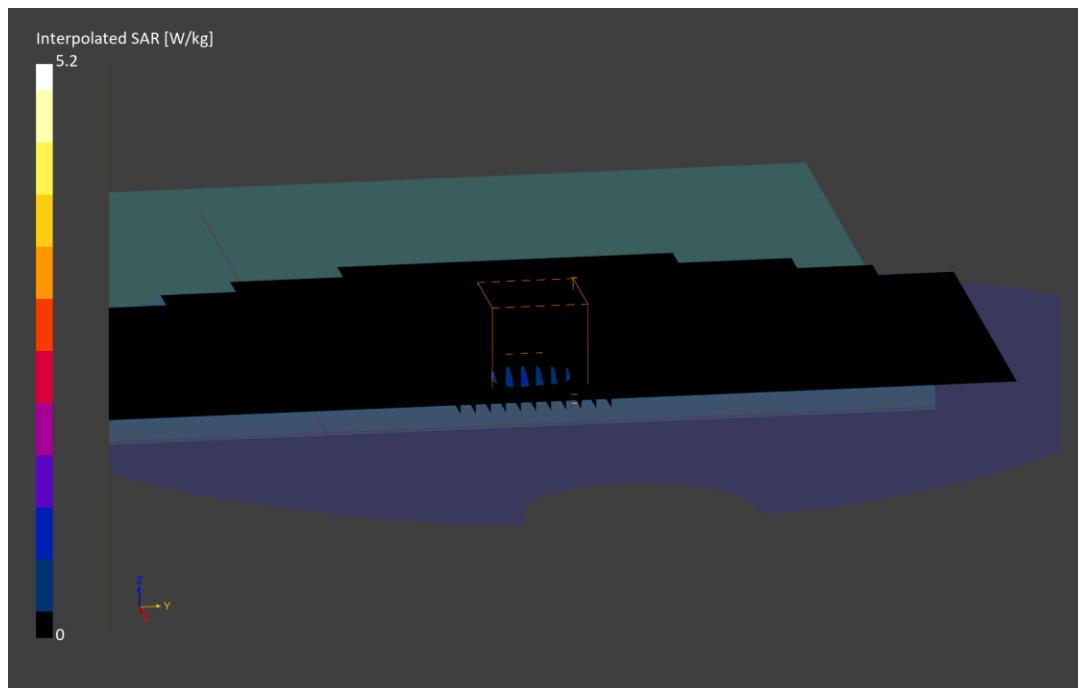
Reference Value = -0.02 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.2 W/kg

SAR(1 g) = 0.855 W/kg; APD(4cm²) = 5.18 W/m²

Smallest distance from peaks to all points 3 dB below is 4.1 mm

Ratio of SAR at M2 to SAR at M1 = 45.5 %



ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 7BTDH2609

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2480.000$ MHz; $\text{cond} = 1.84$ S/m; $\text{perm} = 40.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/22/2026; Ambient Temp: 20.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz Bluetooth, Antenna 4, Exp: Body| Bottom Side, Ch. 78, 1 Mbps

Area Scan (40.0 x 320.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 35.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

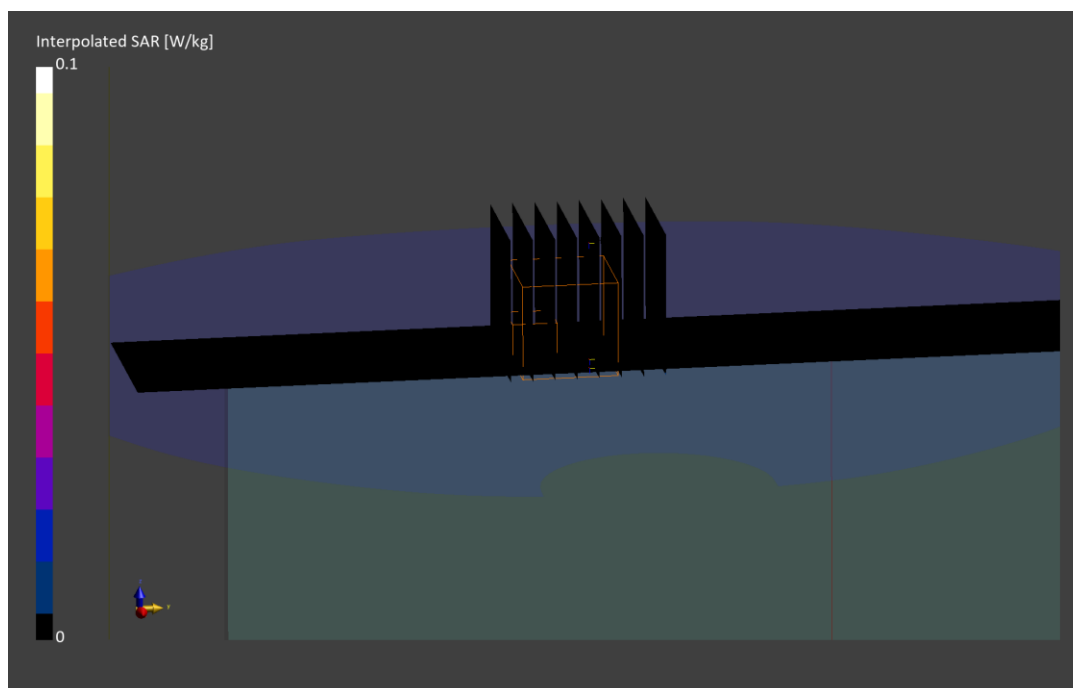
Reference Value = 0.00 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.1 W/kg

SAR(1 g) = 0.001 W/kg

Smallest distance from peaks to all points 3 dB below is 2.3 mm

Ratio of SAR at M2 to SAR at M1 = N/A %



ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 4TDRD2609

Communication System: UID:10670, Bluetooth; MAIA: Y; Frequency: 2440.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2440.000$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 40.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 06/10/2026; Ambient Temp: 20.7°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz Bluetooth LE, Antenna 3, Exp: Body| Top Edge, Ch. 17, 1 Mbps

Area Scan (40.0 x 320.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

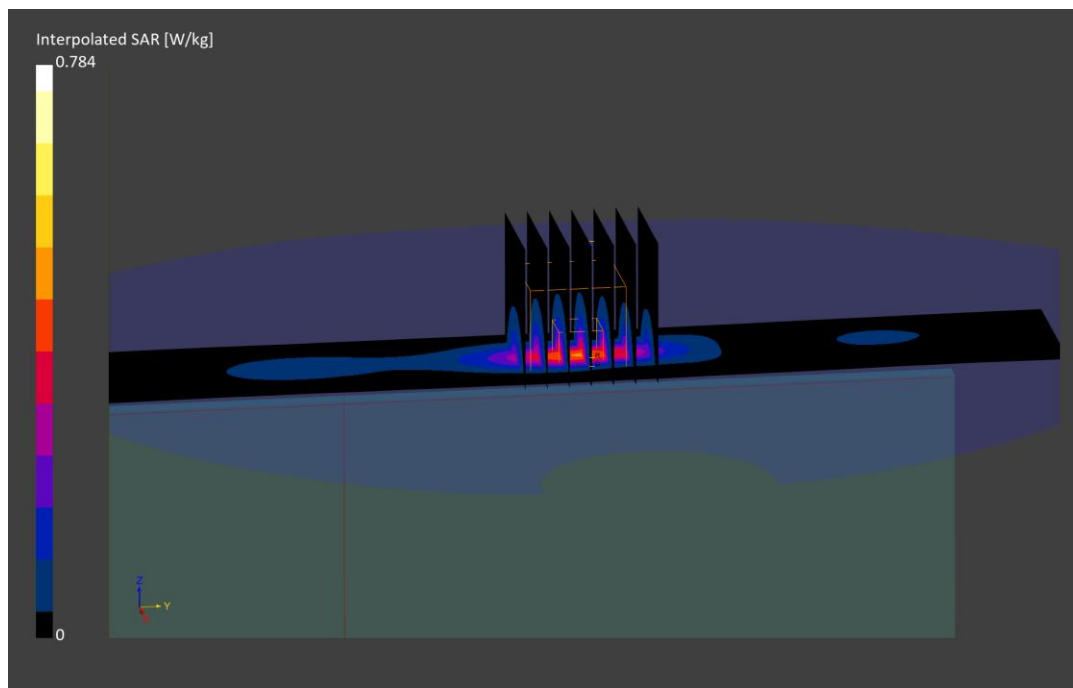
Reference Value = 0.18 W/kg; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.784 W/kg

SAR(1 g) = 0.340 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 77.2 %



Date: 2026-06-08

Mode: 6GHz WIFI/ IEEE 802.11be, Antenna 3, 320 MHz Bandwidth, U-NII-5, Exp: Bottom Edge, Ch. 31, 136.1 Mbps

Device Under Test Properties

DUT	Serial Number	DUT Type
C3K00002101	4TDQ2609	Wireless Module

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE BOTTOM	2.00	31	11026	6105.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389, 2026-01-14	DAE4ip - SN1638, 2026-02-09

Software Setup

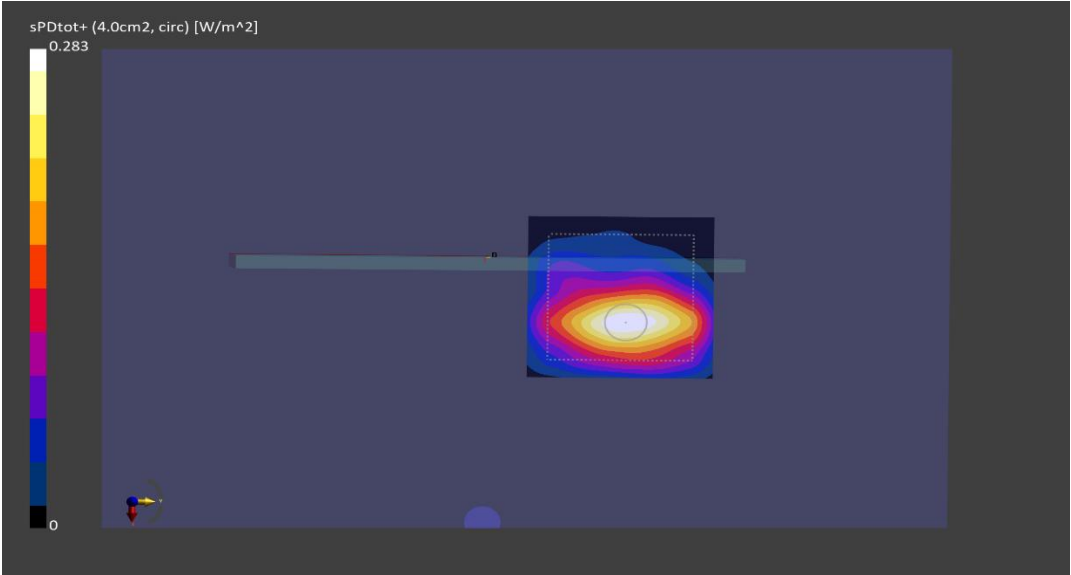
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.042 x 0.042
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	0.283
pS _n avg [W/m²]	0.278
E _{peak} [V/m]	11.1
Power Drift [dB]	-0.18



Date: 2026-06-01

Mode: 6GHz WIFI/ IEEE 802.11be, Antenna 4, 320 MHz Bandwidth, U-NII-6, Exp: Back Side, Ch. 95, 136.1 Mbps

Device Under Test Properties

DUT	Serial Number	DUT Type
C3K00002101	4TDQ2609	Wireless Module

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BACK	2.00	95	11026	6425.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389, 2026-01-14	DAE4ip - SN1638, 2026-02-09

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.044 x 0.044
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	3.29
pS _n avg [W/m²]	2.94
E _{peak} [V/m]	59.1
Power Drift [dB]	-0.15

