

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: C3K-00002101; Type: Wireless Module; Serial: 4C624

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.000 MHz

Medium: 2450 Head; Medium parameters used:

f = 2462.000 MHz; cond = 1.85 S/m; perm = 39.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/15/2025; Ambient Temp: 22.4°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7406; ConvF:(7.24,6.85,7.63); Calibrated: 2024-07-05

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

Electronics: DAE4 Sn1677; Calibrated: 2024-07-08

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna R, 22 MHz Bandwidth,
Exp: Power Mode 2| Top Edge, Ch. 11, 1Mbps**

Area Scan (48.0 x 320.0): Measurement grid: dx=8.0 mm, dy=10.0 mm

Zoom Scan (31.5 x 31.5 x 31.2): Measurement grid: dx=4.5 mm, dy=4.5 mm, dz=1.5 mm; Graded Ratio: 1.5

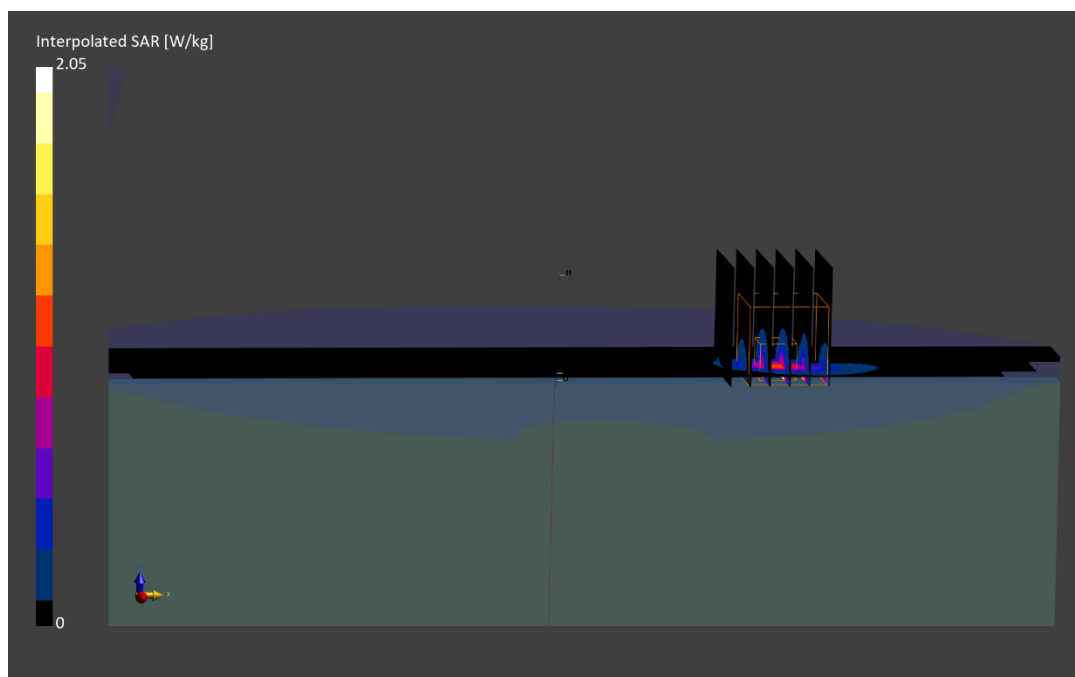
Reference Value = 0.61 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.731 W/kg

Smallest distance from peaks to all points 3 dB below is 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 72.1 %



ELEMENT

DUT: C3K-00002101; Type: Wireless Module; Serial: 4C624

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

Medium: 5200-5800 Head; Medium parameters used:

f = 5855.000 MHz; cond = 5.24 S/m; perm = 34.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/13/2025; Ambient Temp: 19.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7803; ConvF:(4.78,4.89,4.97); Calibrated: 2024-06-28

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

Electronics: DAE4 Sn1583; Calibrated: 2024-07-08

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

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna R, 80 MHz Bandwidth, U-NII-4, Exp: Power
Mode 2 | Top Edge, Ch. 171, 29.3 Mbps**

Area Scan (48.0 x 320.0): Measurement grid: dx=8.0 mm, dy=10.0 mm

Zoom Scan (28.0 x 28.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

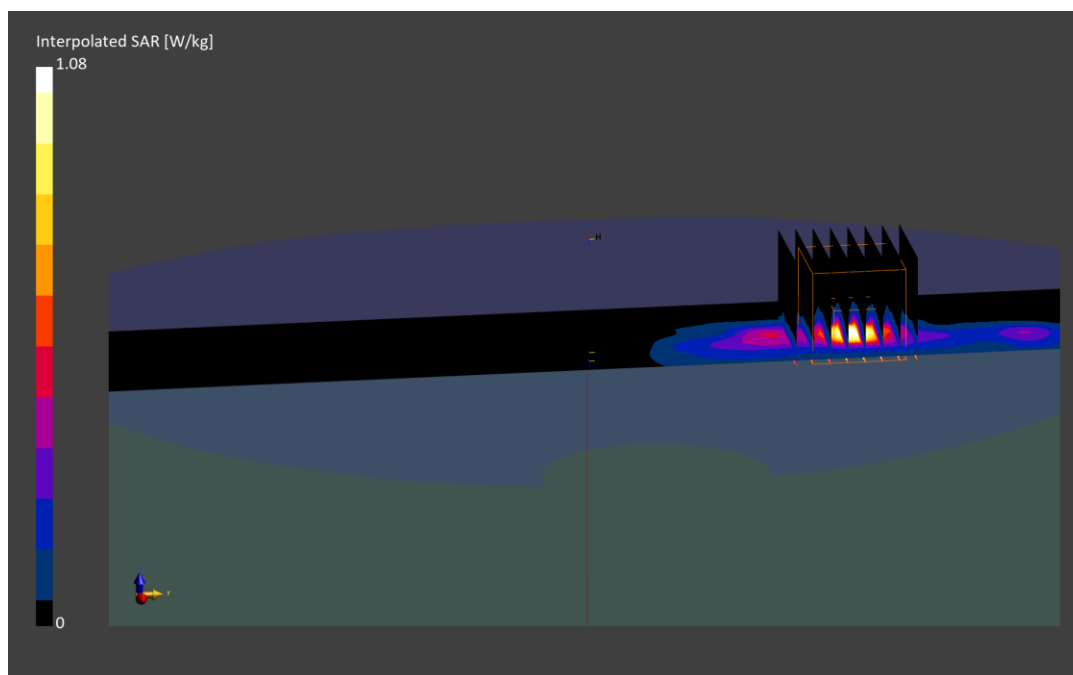
Reference Value = 0.76 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 4.11 W/kg

SAR(1 g) = 0.817 W/kg

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.0 %



ELEMENT

DUT: C3K-00002101; Type: Wireless Module; Serial: 4C624

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

Medium: 5200-5800 Head; Medium parameters used:

f = 5855.000 MHz; cond = 5.24 S/m; perm = 34.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/13/2025; Ambient Temp: 19.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7803; ConvF:(4.78,4.89,4.97); Calibrated: 2024-06-28

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

Electronics: DAE4 Sn1583; Calibrated: 2024-07-08

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

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna L, 80 MHz Bandwidth, U-NII-4, Exp: Power
Mode 2 | Top Edge, Ch. 171, 29.3 Mbps**

Area Scan (48.0 x 320.0): Measurement grid: dx=8.0 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

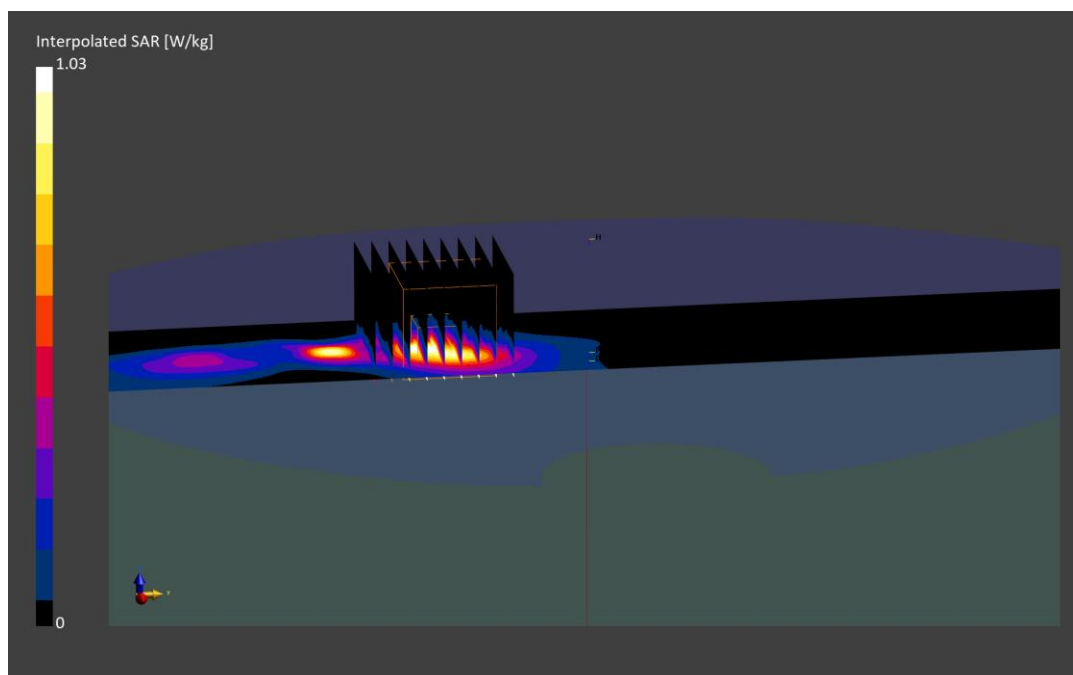
Reference Value = 0.63 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 0.848 W/kg

Smallest distance from peaks to all points 3 dB below is 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.8 %



ELEMENT

DUT: C3K-00002101; Type: Wireless Module; Serial: 4C424

Communication System: UID:10755 - AAC, WLAN; MAIA: Y; Frequency: 6665.000 MHz

Medium: 6000 Head; Medium parameters used:

f = 6665.000 MHz; cond = 6.18 S/m; perm = 33.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/20/2025; Ambient Temp: 19.2°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7527; ConvF:(5.15,4.68,5.36); Calibrated: 2024-03-08

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

Electronics: DAE4 Sn1272; Calibrated: 2024-03-12

Phantom: Twin-SAM V8.0; Serial: 1979

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna R, 160 MHz Bandwidth, U-NII-7, Exp: Power
Mode 2| Top Edge, Ch. 143, 72.05 Mbps**

Area Scan (48.0 x 306.0): Measurement grid: dx=8.0 mm, dy=8.5 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

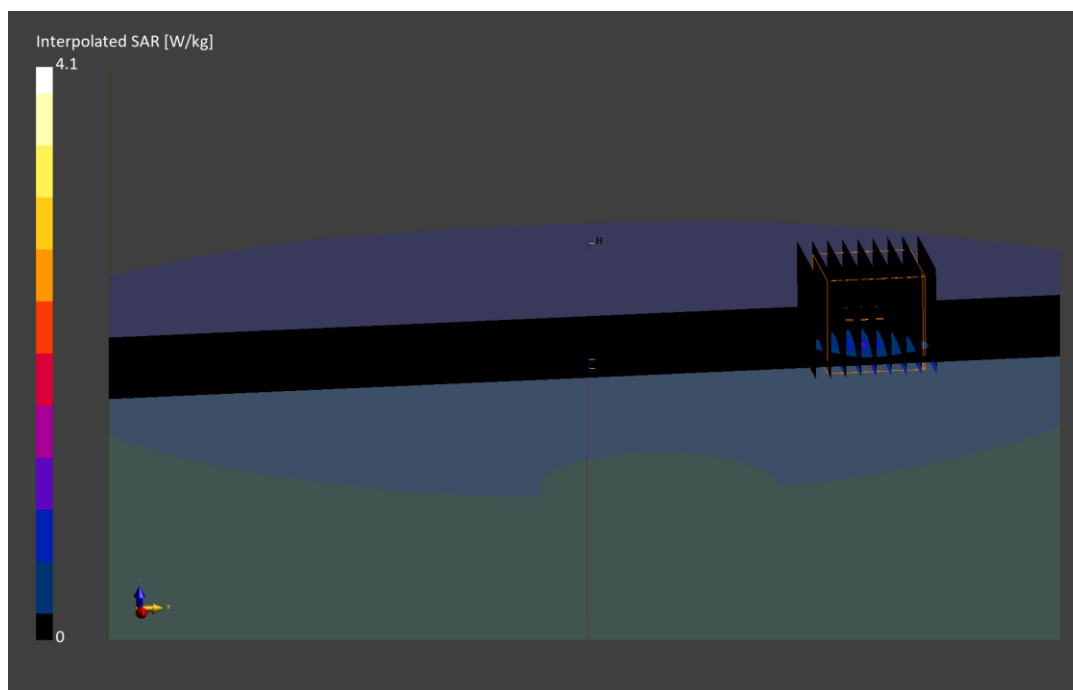
Reference Value = 0.33 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.10 W/kg

SAR(1 g) = 0.782 W/kg; APD(4cm²) = 4.95 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 50.0 %



ELEMENT

DUT: C3K-00002101; Type: Wireless Module; Serial: 4BT24

Communication System: UID:10755 - AAC, WLAN; MAIA: Y; Frequency: 6665.000 MHz

Medium: 6000 Head; Medium parameters used:

f = 6665.000 MHz; cond = 6.18 S/m; perm = 33.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/20/2025; Ambient Temp: 19.2°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7527; ConvF:(5.15,4.68,5.36); Calibrated: 2024-03-08

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

Electronics: DAE4 Sn1272; Calibrated: 2024-03-12

Phantom: Twin-SAM V8.0; Serial: 1979

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna L, 160 MHz Bandwidth, U-NII-7, Exp: Power Mode 2| Top Edge, Ch. 143, 72.05 Mbps

Area Scan (48.0 x 306.0): Measurement grid: dx=8.0 mm, dy=8.5 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

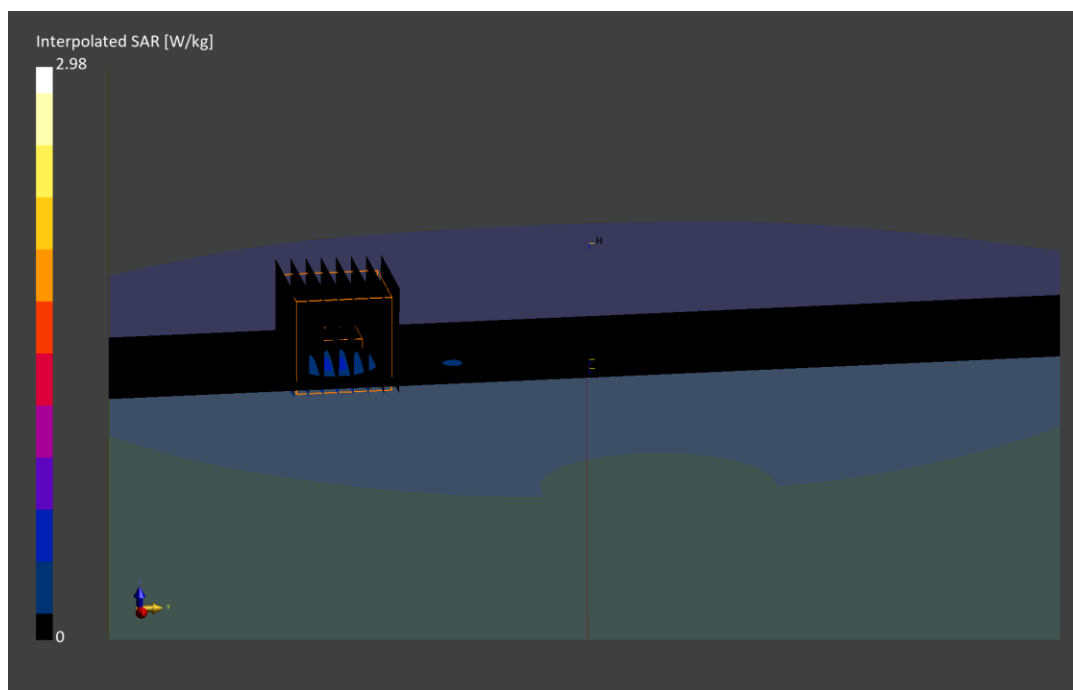
Reference Value = 0.23 W/kg; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.98 W/kg

SAR(1 g) = 0.537 W/kg; APD(4cm²) = 3.15 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 48.6 %



ELEMENT

DUT: C3K-00002101; Type: Wireless Module; Serial: 4C724

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

Medium: 2450 Head; Medium parameters used:

$f = 2480.000$ MHz; $\text{cond} = 1.84$ S/m; $\text{perm} = 37.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/22/2025; Ambient Temp: 24.5°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7406; ConvF:(7.24,6.85,7.63); Calibrated: 2024-07-05

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

Electronics: DAE4 Sn1677; Calibrated: 2024-07-08

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz Bluetooth, Antenna L, Exp: Power Mode 2 | Top Edge, Ch. 78, 1 Mbps

Area Scan (48.0 x 320.0): Measurement grid: $dx=8.0$ mm, $dy=10.0$ mm

Zoom Scan (31.5 x 31.5 x 31.2): Measurement grid: $dx=4.5$ mm, $dy=4.5$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

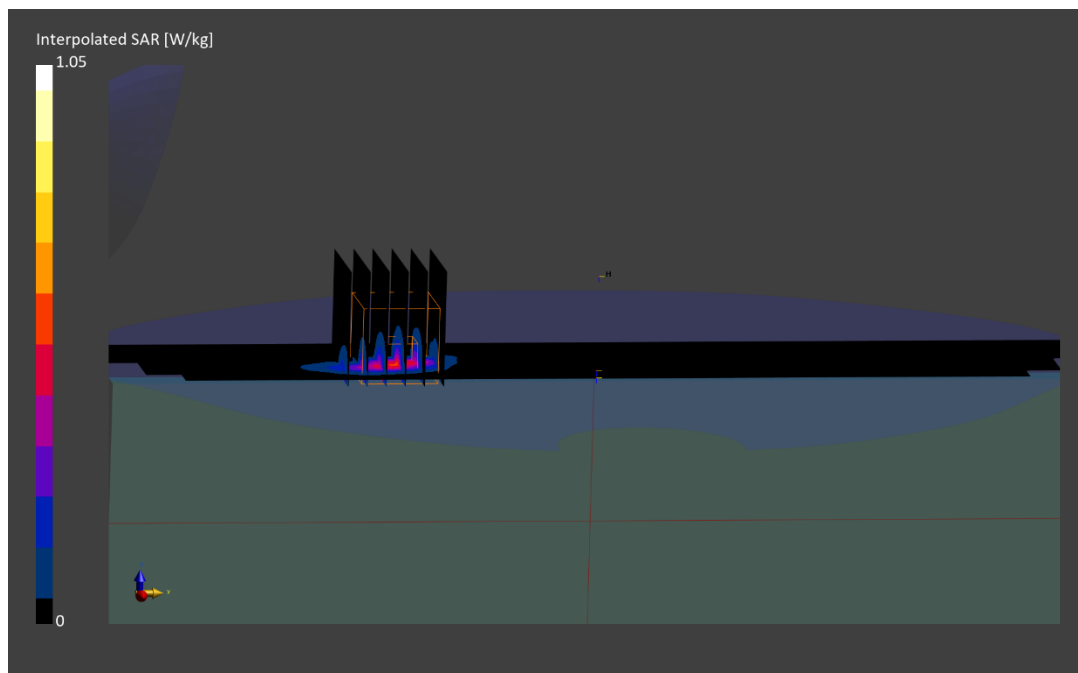
Reference Value = 0.33 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.387 W/kg

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 76.1 %



Date: 2025-01-20

Mode: 6GHz WIFI/ IEEE 802.11ax, Antenna R, 320 MHz Bandwidth, U-NII-5, Exp: Top Edge, Ch. 31, 144.11 Mbps

Device Under Test Properties

DUT	Serial Number	DUT Type
C3K-00002101	4BT24	Wireless Module

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE TOP	2.00	31	10755	6105.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9622, 2024-02-02	DAE4 - SN1449, 2024-09-10

Software Setup

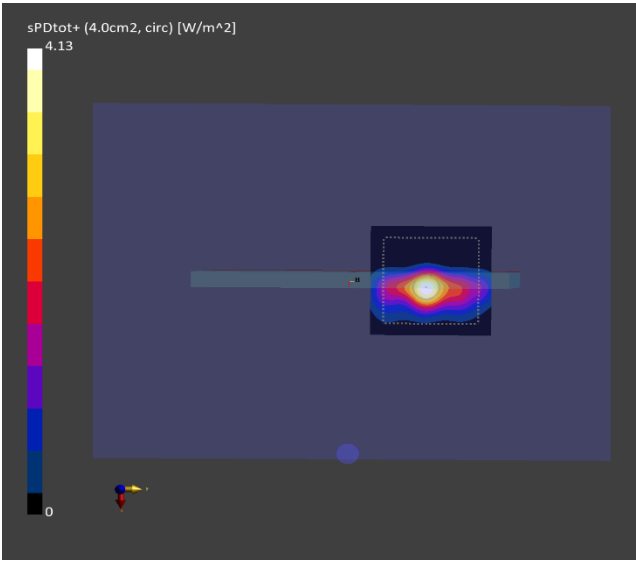
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	4.13
pS _n avg [W/m²]	3.44
E _{peak} [V/m]	71.5
Power Drift [dB]	-0.08



Date: 2025-01-20

Mode: 6GHz WIFI/ IEEE 802.11be, Antenna L, 320 MHz Bandwidth, U-NII-5, Exp: Top Edge, Ch. 31, 144.11 Mbps

Device Under Test Properties

DUT	Serial Number	DUT Type
C3K-00002101	4BT24	Wireless Module

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE TOP	2.00	31	10755	6105.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9622, 2024-02-02	DAE4 - SN1449, 2024-09-10

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]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	2.36
pS _n avg [W/m²]	1.81
E _{peak} [V/m]	47.4
Power Drift [dB]	-0.25

