

APPENDIX A: SAR TEST PLOTS

# ELEMENT

**DUT: C3K2095; Type: Portable Computing Device; Serial: QVC24**

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

Medium: 2450 Head; Medium parameters used:

$f = 2412.000$  MHz;  $\text{cond} = 1.79$  S/m;  $\text{perm} = 37.5$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/15/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.9°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 MIMO, 22 MHz Bandwidth, Exp: Body|  
Bottom Edge, Ch. 1, 1Mbps**

**Area Scan (60.0 x 300.0):** Measurement grid:  $dx=10.0$  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

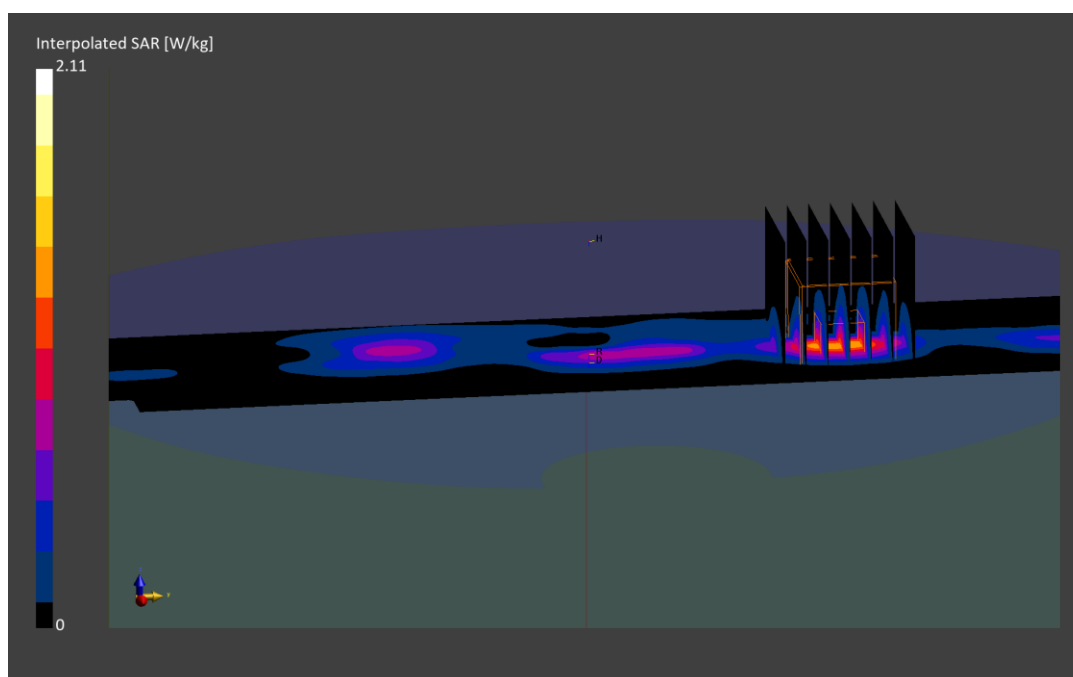
Reference Value = 0.90 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.11 W/kg

**SAR(1 g) = 0.983 W/kg**

Smallest distance from peaks to all points 3 dB below is 6.0 mm

Ratio of SAR at M2 to SAR at M1 = 79.9 %



# ELEMENT

**DUT: C3K2095; Type: Portable Computing Device; Serial: R8384**

Communication System: UID:10544 - AAD, WLAN; MAIA: Y; Frequency: 5775.000 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5775.000$  MHz;  $\text{cond} = 5.12$  S/m;  $\text{perm} = 35.3$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/30/2024; Ambient Temp: 21.4°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7803; ConvF:(4.79,4.89,4.98); 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-3, Exp: Body|  
Bottom Edge, Ch. 155, 29.3 Mbps**

**Area Scan (60.0 x 320.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (24.0 x 28.0 x 22.9):** Measurement grid:  $dx=4.0$  mm,  $dy=4.0$  mm,  $dz=1.4$  mm; Graded Ratio: 1.4

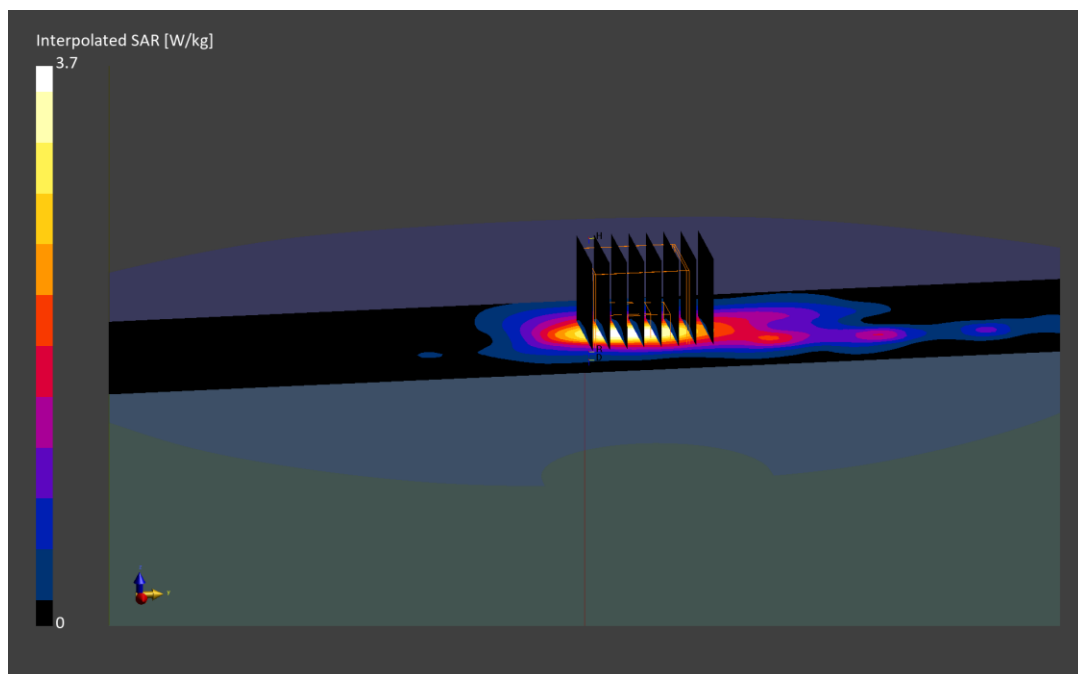
Reference Value = 0.66 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.70 W/kg

**SAR(1 g) = 0.839 W/kg**

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.8 %



# ELEMENT

**DUT: C3K2095; Type: Portable Computing Device; Serial: QVV24**

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

Medium: 6000 Head; Medium parameters used:

f = 6665.000 MHz; cond = 6.13 S/m; perm = 33.7; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/26/2024; Ambient Temp: 19.5°C; Tissue Temp: 19.5°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: Body|  
Bottom Edge, Ch. 143, 72.10Mbps**

**Area Scan (51.0 x 323.0):** Measurement grid: dx=8.5 mm, dy=8.5 mm

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

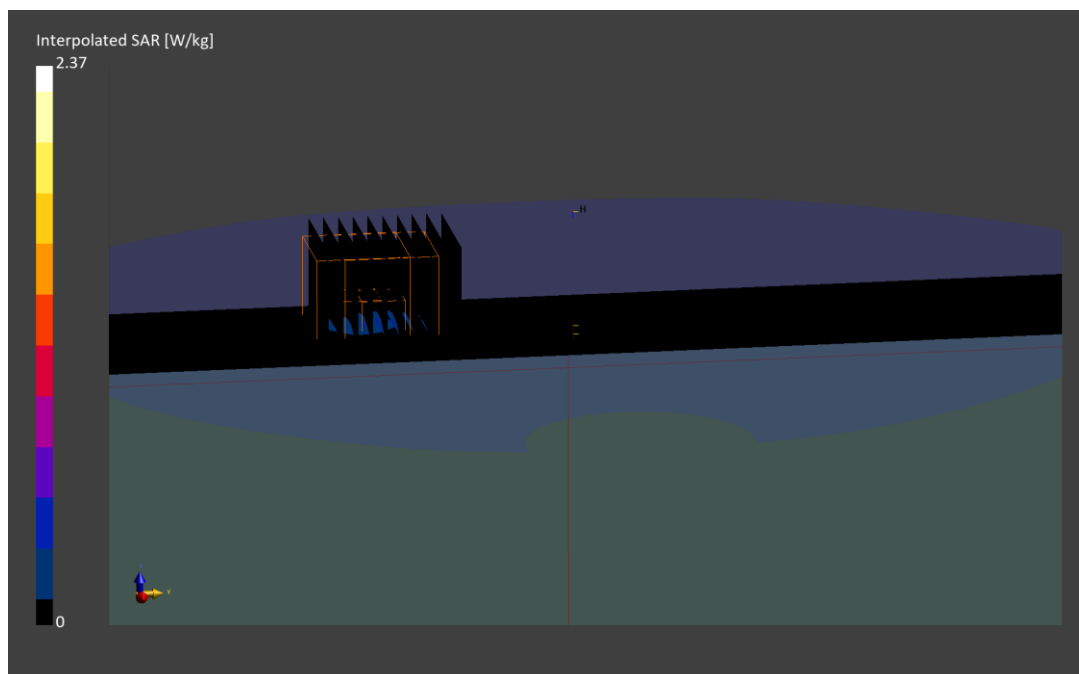
Reference Value = 0.17 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.37 W/kg

**SAR(1 g) = 0.455 W/kg, APD(4cm<sup>2</sup>) = 3.04 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 6.9 mm

Ratio of SAR at M2 to SAR at M1 = 47.9 %



# ELEMENT

**DUT: C3K2095; Type: Portable Computing Device; Serial: QVC24**

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2441.000$  MHz;  $\text{cond} = 1.82$  S/m;  $\text{perm} = 38.7$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/18/2024; Ambient Temp: 23.1°C; Tissue Temp: 22.5°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 R, Exp: Body| Bottom Edge, Ch. 39, 1 Mbps**

**Area Scan (60.0 x 320.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (36.8 x 36.8 x 31.2):** Measurement grid:  $dx=4.6$  mm,  $dy=4.6$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

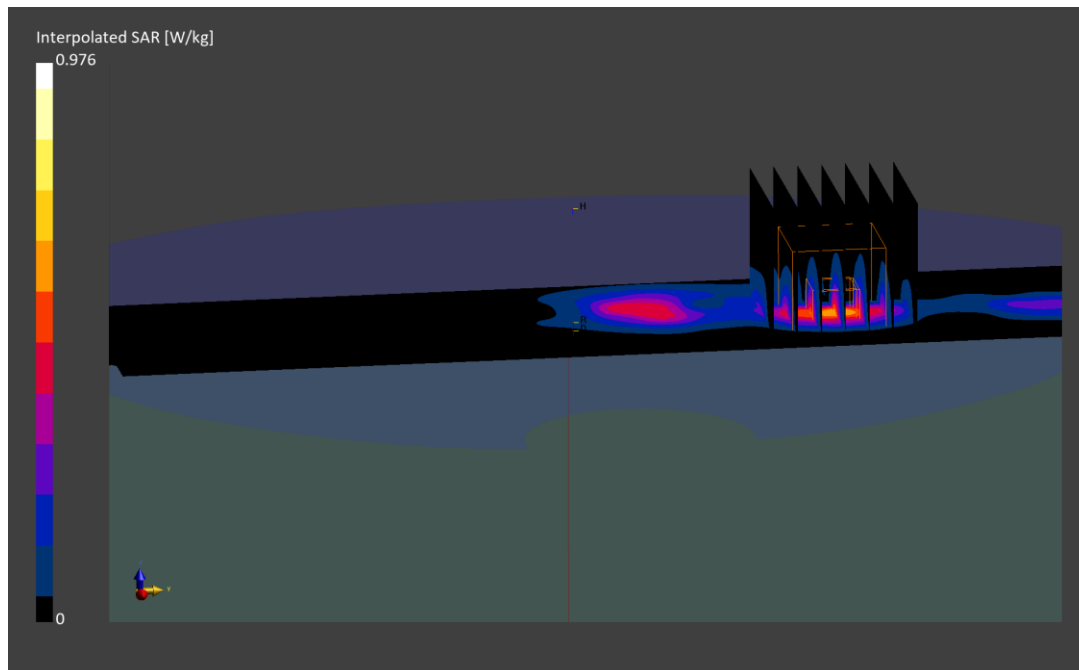
Reference Value = 0.14 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.976 W/kg

**SAR(1 g) = 0.455 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 = 78.5 %



Date: 2024-12-19

Mode: 6GHz WIFI/ IEEE 802.11ax, Antenna MIMO, 160 MHz Bandwidth, U-NII-7, Exp: Bottom Edge, Ch. 143, 144.1 Mbps

Device Under Test Properties

|         |               |                           |
|---------|---------------|---------------------------|
| DUT     | Serial Number | DUT Type                  |
| C3K2095 | R7J24         | Portable Computing Device |

Exposure Conditions

|                 |             |                    |         |            |                 |
|-----------------|-------------|--------------------|---------|------------|-----------------|
| Phantom Section | Position    | Test Distance [mm] | Channel | Group, UID | Frequency [MHz] |
| 5G              | EDGE BOTTOM | 2.00               | 143     | 10755      | 6665.0          |

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]   | 150.0 x 150.0 |
| 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 <sub>tot</sub> avg [W/m²] | 3.46    |
| pS <sub>n</sub> avg [W/m²]   | 2.61    |
| E <sub>peak</sub> [V/m]      | 45.1    |
| Power Drift [dB]             | 0.20    |

