

APPENDIX 1

SAR Measurement Data

Table of Contents

EXHIBIT 1.	SAR MEASUREMENTS RESULTS	3
EXHIBIT 2.	EXTREMITY(HAND)SAR MEASUREMENTS.....	4
	FILE NAME: DIGI-160Q 2405 MHz ZB1 HORIZONTAL DOWN.DA52:0.....	4
	FILE NAME: DIGI-160Q 2405 MHz ZB1 HORIZONTAL UP.DA52:0	5
	FILE NAME: DIGI-160Q 2405 MHz ZB1 TIP MODE.DA52:0.....	6
	FILE NAME: DIGI-160Q 2480 MHz ZB1 TIP MODE.DA52:0.....	7
	FILE NAME: DIGI-160Q 2480 MHz ZB1 HORIZONTAL DOWN.DA52:0.....	8
	FILE NAME: DIGI-160Q 2480 MHz ZB1 HORIZONTAL UP.DA52:0	9
	FILE NAME: DIGI-160Q 2440 MHz ZB1 HORIZONTAL UP.DA52:0	10
	FILE NAME: DIGI-160Q 2405 MHz ZB1 VERTICAL BACK.DA52:0	11
	FILE NAME: DIGI-160Q 2480 MHz ZB1 VERTICAL BACK.DA52:0	12
	FILE NAME: DIGI-160Q 2405 MHz ZB1 VERTICAL FRONT.DA52:0.....	13
	FILE NAME: DIGI-160Q 2480 MHz ZB1 VERTICAL FRONT.DA52:0.....	14
	FILE NAME: DIGI-160Q 2402 MHz BLE VERTICAL BACK.DA52:0.....	15
	FILE NAME: DIGI-160Q 2480 MHz BLE VERTICAL BACK.DA52:0.....	16
	FILE NAME: DIGI-160Q 2402 MHz BLE VERTICAL FRONT.DA52:0.....	17
	FILE NAME: DIGI-160Q 2480 MHz BLE VERTICAL FRONT.DA52:0.....	18
	FILE NAME: DIGI-160Q 2402 MHz BLE HORIZONTAL DOWN.DA52:0	19
	FILE NAME: DIGI-160Q 2480 MHz BLE HORIZONTAL DOWN.DA52:0	20
	FILE NAME: DIGI-160Q 2402 MHz BLE HORIZONTAL UP.DA52:0	21
	FILE NAME: DIGI-160Q 2440 MHz BLE HORIZONTAL UP.DA52:0	22
	FILE NAME: DIGI-160Q 2480 MHz BLE HORIZONTAL UP.DA52:0	23
	FILE NAME: DIGI-160Q 2402 MHz BLE TIP MODE.DA52:0	24
	FILE NAME: DIGI-160Q 2480 MHz BLE TIP MODE.DA52:0	25

EXHIBIT 1. SAR MEASUREMENTS RESULTS

ZigBee	Power (dBm)	CH	CH. Freq (MHz)	Extremity(Hand) SAR10g (W/Kg)	Power Drift (dB)
Vertical Front	19.44	11	2405.000	0.7	-1.13
	19.37	18	2440.000	**	**
	13.28	26	2480.000	0.178	-1.02
Vertical Back	19.44	11	2405.000	0.927	-0.77
	19.37	18	2440.000	**	**
	13.28	26	2480.000	0.241	-0.44
Horizontal Up	19.44	11	2405.000	2.23	0.16
	19.37	18	2440.000	2.15	-0.16
	13.28	26	2480.000	0.527	-0.3
Horizontal Down	19.44	11	2405.000	1.21	-0.05
	19.37	18	2440.000	**	**
	13.28	26	2480.000	0.326	-0.38
Tip Mode	19.44	11	2405.000	0.0615	-0.48
	19.37	18	2440.000	**	**
	13.28	26	2480.000	0.0228	-0.86

BLE	Power (dBm)	CH	CH. Freq (MHz)	Extremity(Hand)SAR10g (W/Kg)	Power Drift (dB)
Vertical Front	19.60	0	2402.000	0.856	0.16
	19.45	19	2440.000	**	**
	15.27	39	2480.000	0.276	0.28
Vertical Back	19.60	0	2402.000	1.01	0.04
	19.45	19	2440.000	**	**
	15.27	39	2480.000	0.34	0
Horizontal Up	19.60	0	2402.000	2.12	0.14
	19.45	19	2440.000	2.07	0.14
	15.27	39	2480.000	0.679	0.01
Horizontal Down	19.60	0	2402.000	1.42	-0.51
	19.45	19	2440.000	**	**
	15.27	39	2480.000	0.481	-0.51
Tip Mode	19.60	0	2402.000	0.0906	0.09
	19.45	19	2440.000	**	**
	15.27	39	2480.000	0.0307	-0.29

** SAR Test Reduction Applied For Radio.

EXHIBIT 2. EXTREMITY(HAND)SAR MEASUREMENTS

FILE NAME: [DIGI-160Q 2405 MHZ ZBI HORIZONTAL DOWN.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

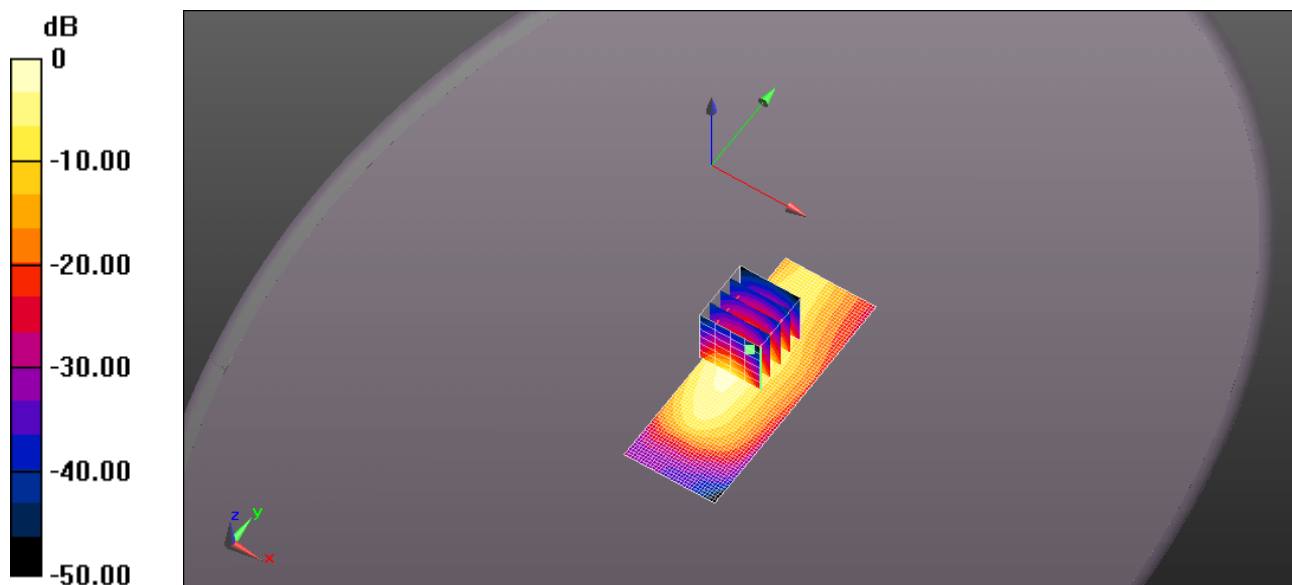
Communication System: UID 0, CW (0); Frequency: 2405 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2405$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 51.169$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal down d= 0mm/Area Scan (31x81x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.48 W/kg

DIGI-160Q Extremity SAR/Horizontal down d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.25 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.31 W/kg
SAR(1 g) = 2.65 W/kg; SAR(10 g) = 1.21 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.35 W/kg



0 dB = 4.48 W/kg = 6.51 dBW/kg

FILE NAME: [DIGI-160Q 2405 MHZ ZB1 HORIZONTAL UP.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

Communication System: UID 0, CW (0); Frequency: 2405 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2405$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 51.169$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal Up d= 0mm/Area Scan (41x81x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 10.9 W/kg

DIGI-160Q Extremity SAR/Horizontal Up d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

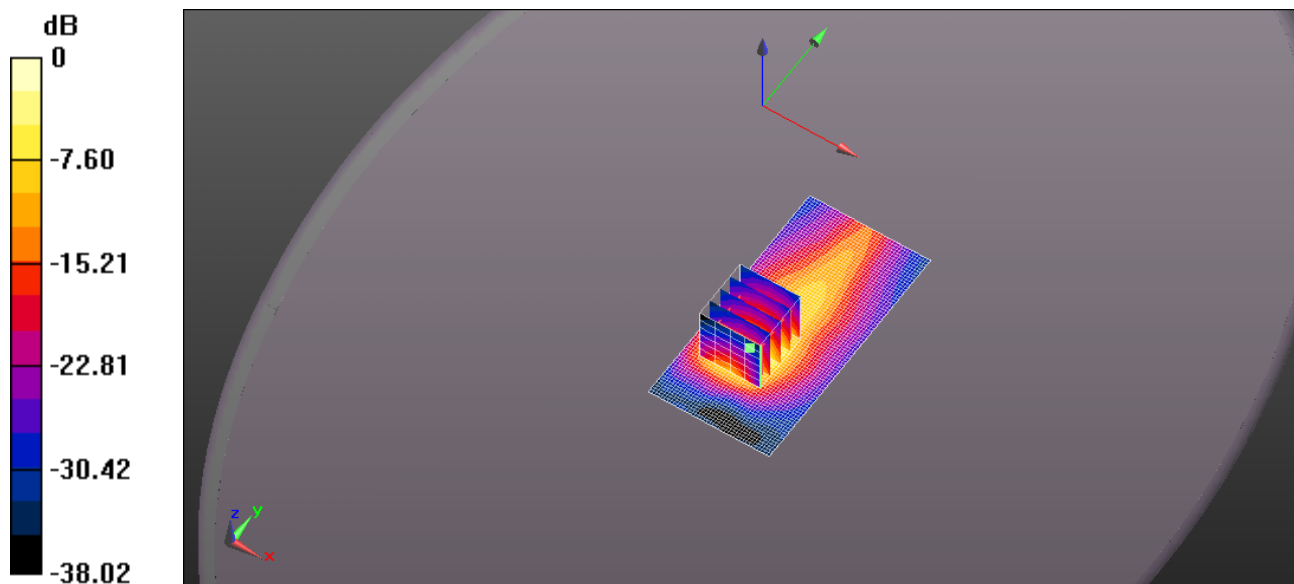
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 57.65 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.23 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.28 W/kg



0 dB = 10.9 W/kg = 10.38 dBW/kg

FILE NAME: [DIGI-160Q 2405 MHZ ZB1 TIP MODE.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

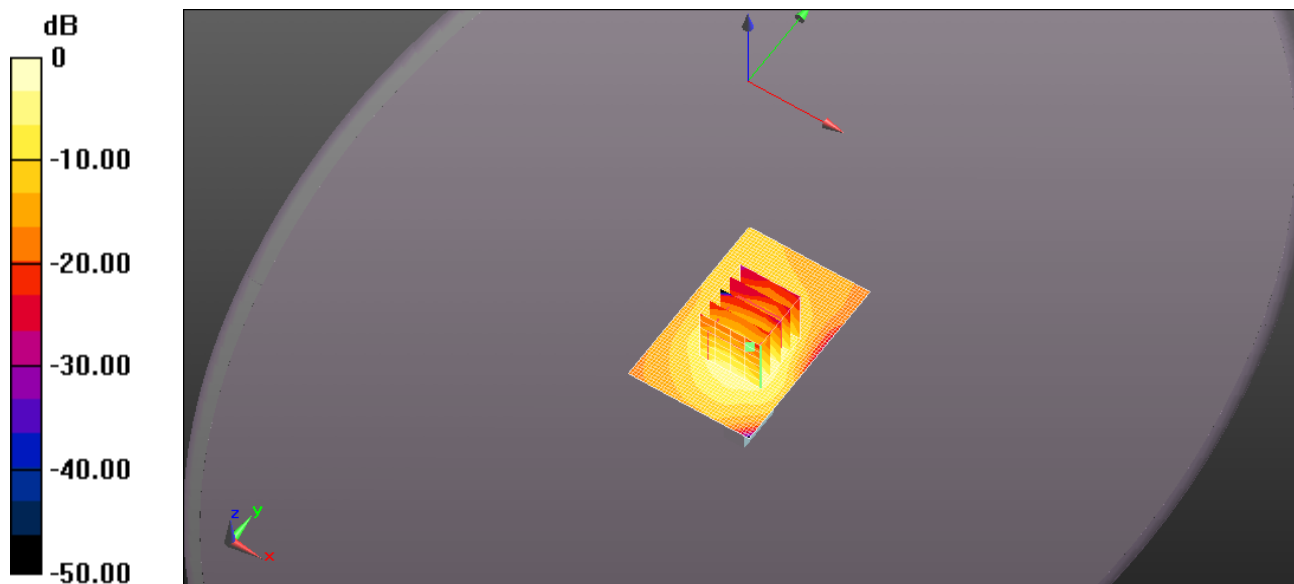
Communication System: UID 0, CW (0); Frequency: 2405 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2405$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 51.169$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Tip Mode d= 0mm/Area Scan (41x61x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.232 W/kg

DIGI-160Q Extremity SAR/Tip Mode d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.39 V/m; Power Drift = -0.48 dB
Peak SAR (extrapolated) = 0.383 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.061 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.290 W/kg



0 dB = 0.232 W/kg = -6.35 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ ZB1 TIP MODE.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Tip Mode d= 0mm/Area Scan (41x61x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.146 W/kg

DIGI-160Q Extremity SAR/Tip Mode d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

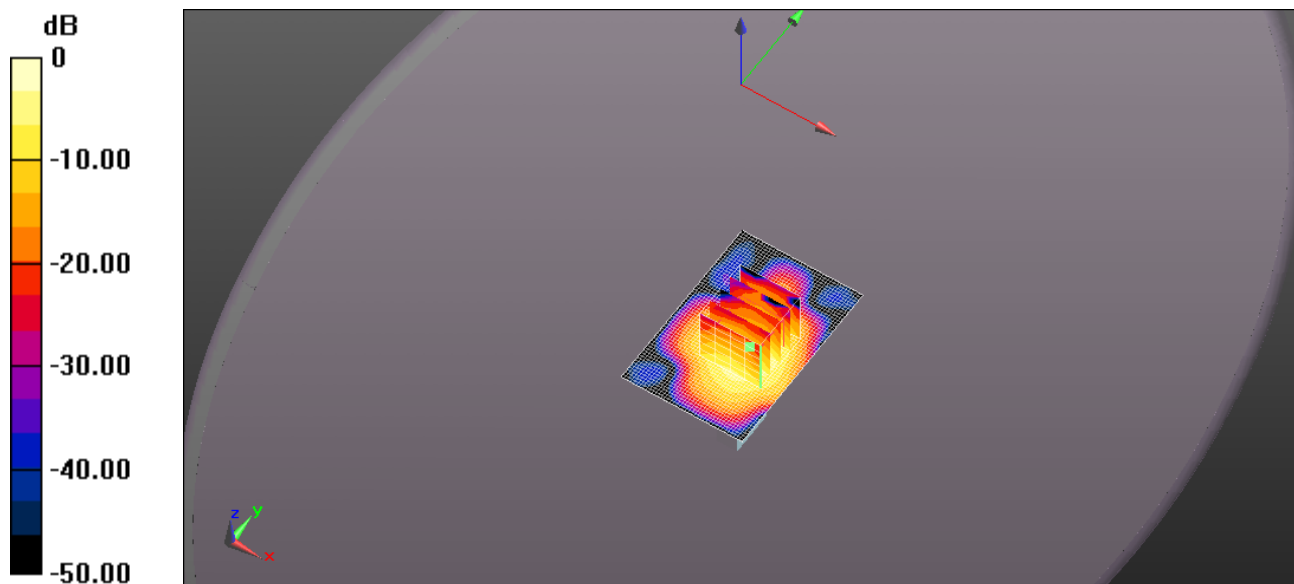
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 8.011 V/m; Power Drift = -0.86 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.023 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.126 W/kg



0 dB = 0.146 W/kg = -8.34 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ ZB1 HORIZONTAL DOWN.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

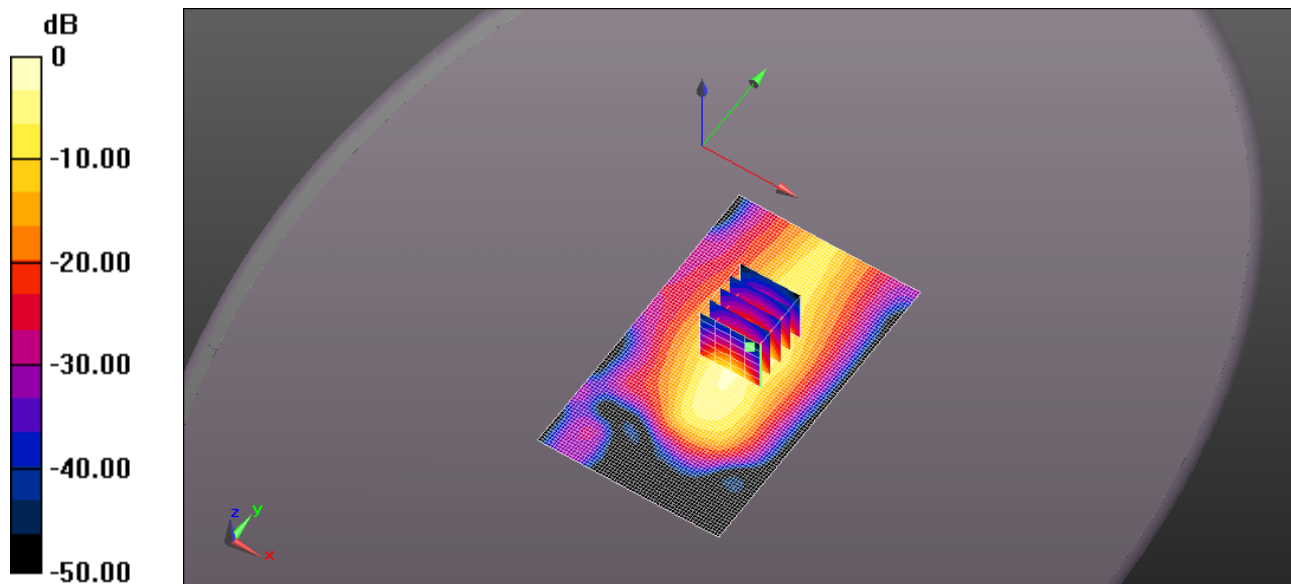
Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal Down d= 0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

DIGI-160Q Extremity SAR/Horizontal Down d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.28 V/m; Power Drift = -0.38 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.326 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.22 W/kg = 0.85 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ ZB1 HORIZONTAL UP.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

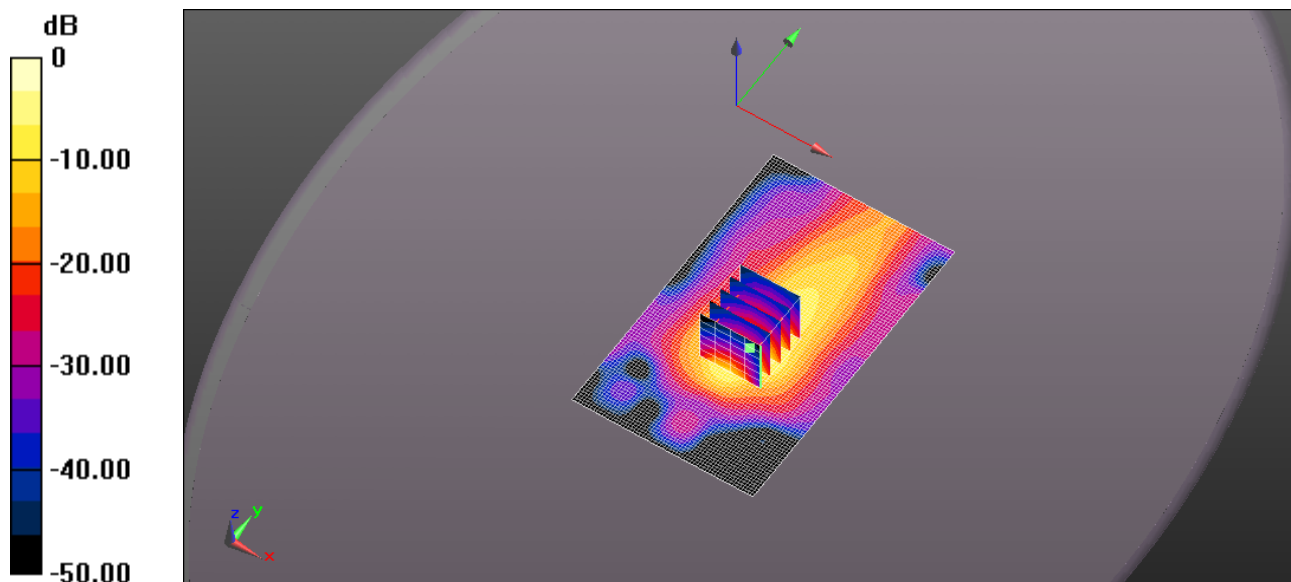
Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal Up d= 0mm/Area Scan (61x101x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.25 W/kg

DIGI-160Q Extremity SAR/Horizontal Up d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.15 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.527 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 2.25 W/kg = 3.52 dBW/kg

FILE NAME: [DIGI-160Q 2440 MHZ ZB1 HORIZONTAL UP.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

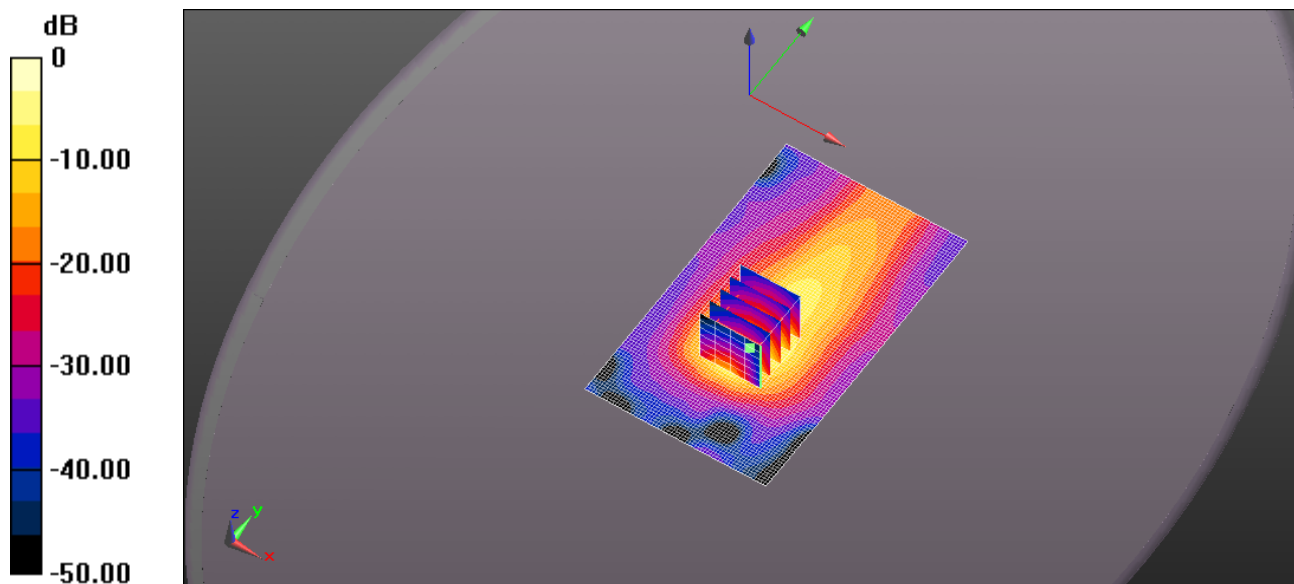
Communication System: UID 0, CW (0); Frequency: 2440 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2440$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 51.056$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal Up d= 0mm/Area Scan (61x101x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.32 W/kg

DIGI-160Q Extremity SAR/Horizontal Up d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 68.80 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 11.6 W/kg
SAR(1 g) = 5.26 W/kg; SAR(10 g) = 2.15 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.76 W/kg



0 dB = 9.32 W/kg = 9.69 dBW/kg

FILE NAME: [DIGI-160Q 2405 MHZ ZB1 VERTICAL BACK.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

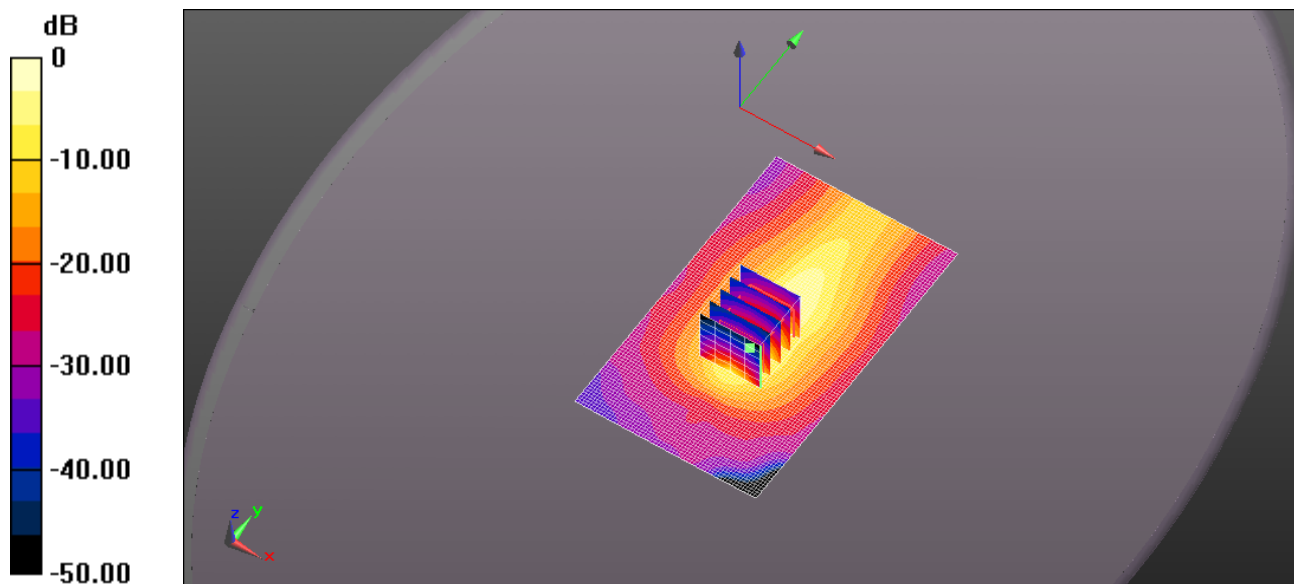
Communication System: UID 0, CW (0); Frequency: 2405 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2405$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 51.169$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Vertical Back d= 0mm/Area Scan (61x101x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.42 W/kg

DIGI-160Q Extremity SAR/Vertical Back d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.94 V/m; Power Drift = -0.77 dB
Peak SAR (extrapolated) = 5.12 W/kg
SAR(1 g) = 2.13 W/kg; SAR(10 g) = 0.927 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.87 W/kg



0 dB = 4.42 W/kg = 6.45 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ ZB1 VERTICAL BACK.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Vertical Back d= 0mm/Area Scan (61x101x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

DIGI-160Q Extremity SAR/Vertical Back d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

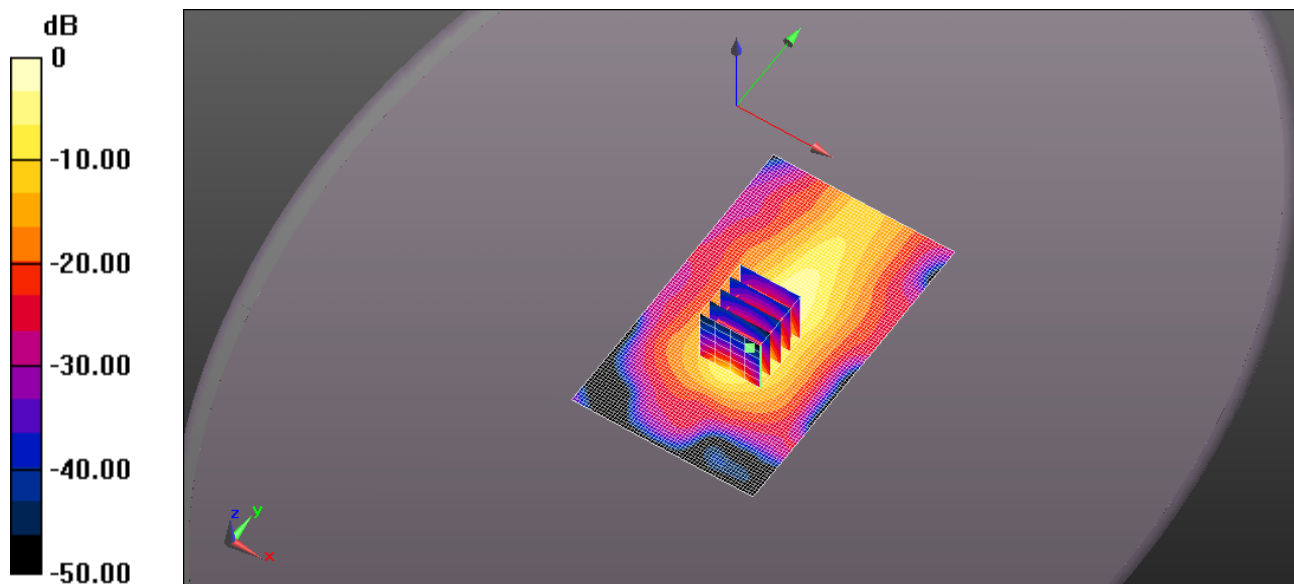
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.77 V/m; Power Drift = -0.44 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.241 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.16 W/kg = 0.65 dBW/kg

FILE NAME: [DIGI-160Q 2405 MHZ ZB1 VERTICAL FRONT.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

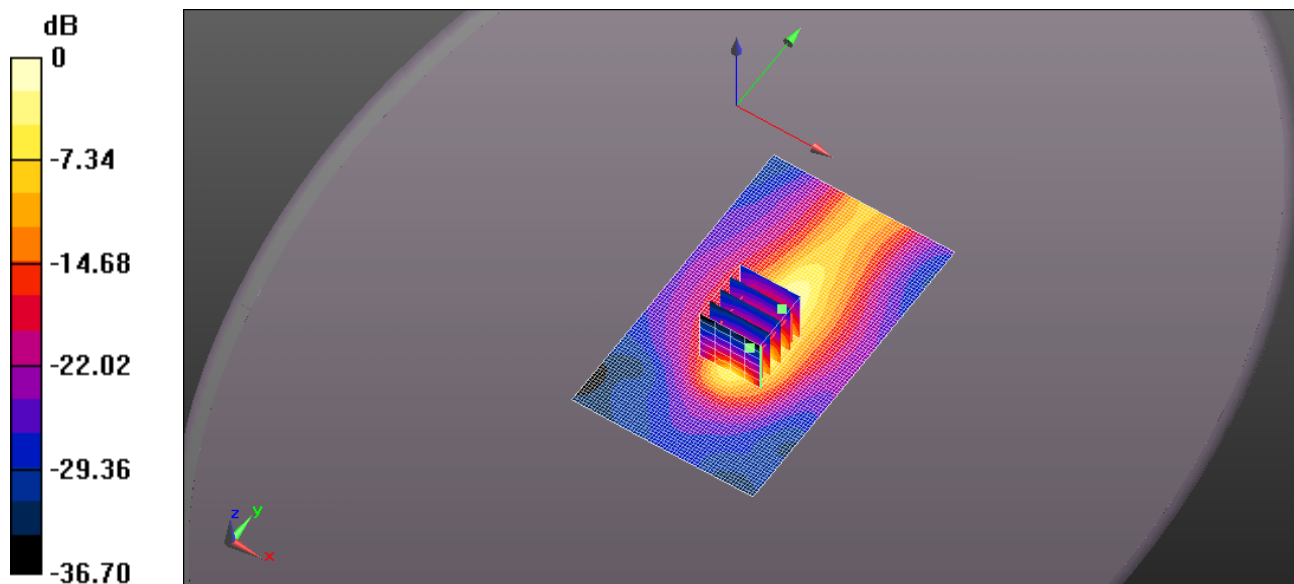
Communication System: UID 0, CW (0); Frequency: 2405 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2405$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 51.169$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Vertical Front d= 0mm/Area Scan (61x101x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.45 W/kg

DIGI-160Q Extremity SAR/Vertical Front d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 43.33 V/m; Power Drift = -1.13 dB
Peak SAR (extrapolated) = 5.43 W/kg
SAR(1 g) = 1.79 W/kg; SAR(10 g) = 0.700 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.81 W/kg



0 dB = 3.45 W/kg = 5.37 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ ZB1 VERTICAL FRONT.DA52:0](#)

DUT: DIGI Xbee3 with Zigbee; Type: USB Dongle

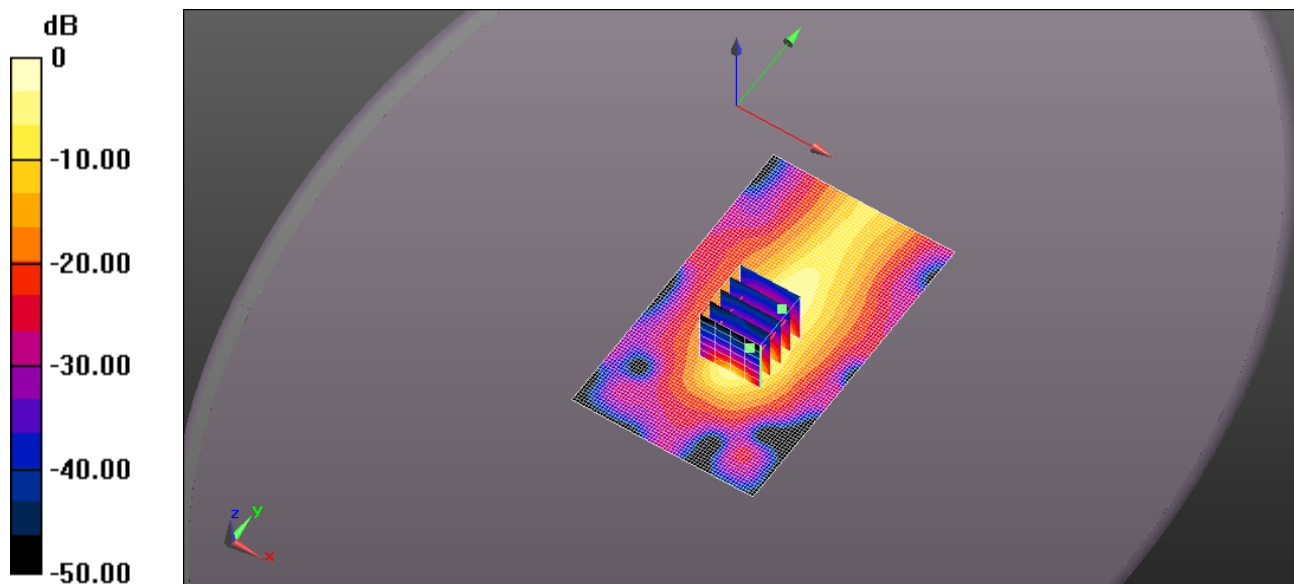
Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Vertical Front d= 0mm/Area Scan (61x101x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.919 W/kg

DIGI-160Q Extremity SAR/Vertical Front d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.69 V/m; Power Drift = -1.02 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.178 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.06 W/kg



FILE NAME: [DIGI-160Q 2402 MHZ BLE VERTICAL BACK.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

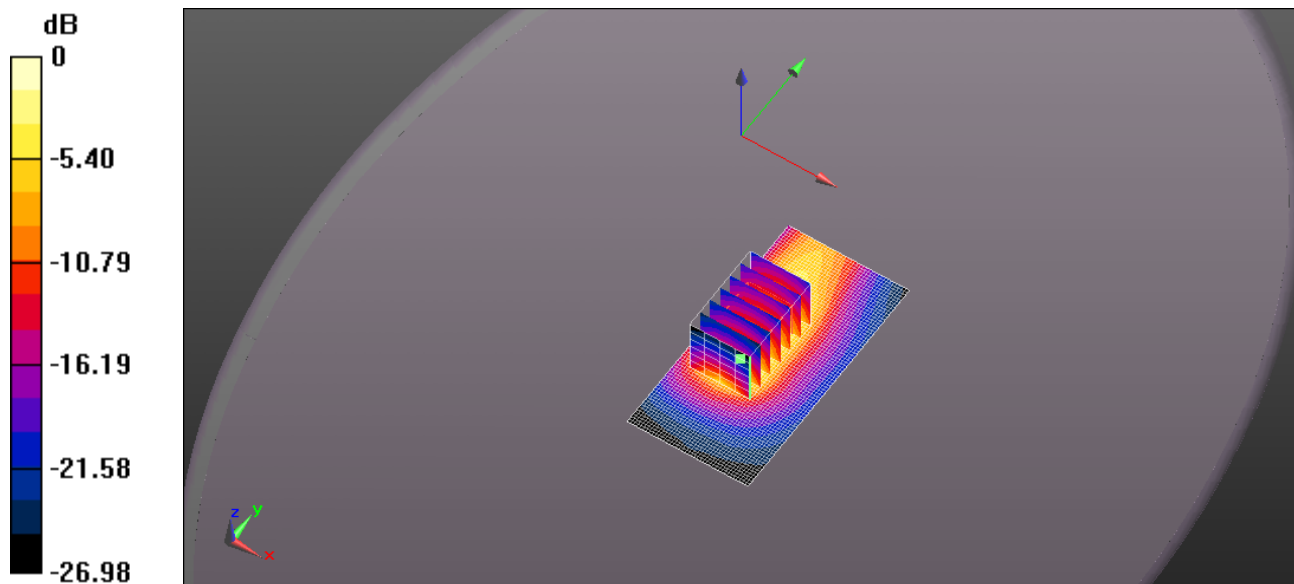
Communication System: UID 0, CW (0); Frequency: 2402 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.852$ S/m; $\epsilon_r = 51.18$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Vertical Back d= 0mm/Area Scan (41x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.37 W/kg

DIGI-160Q Extremity SAR/Vertical Back d= 0mm/Zoom Scan (5x5x7) (5x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.80 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 5.19 W/kg
SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.01 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.05 W/kg



0 dB = 3.37 W/kg = 5.28 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ BLE VERTICAL BACK.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

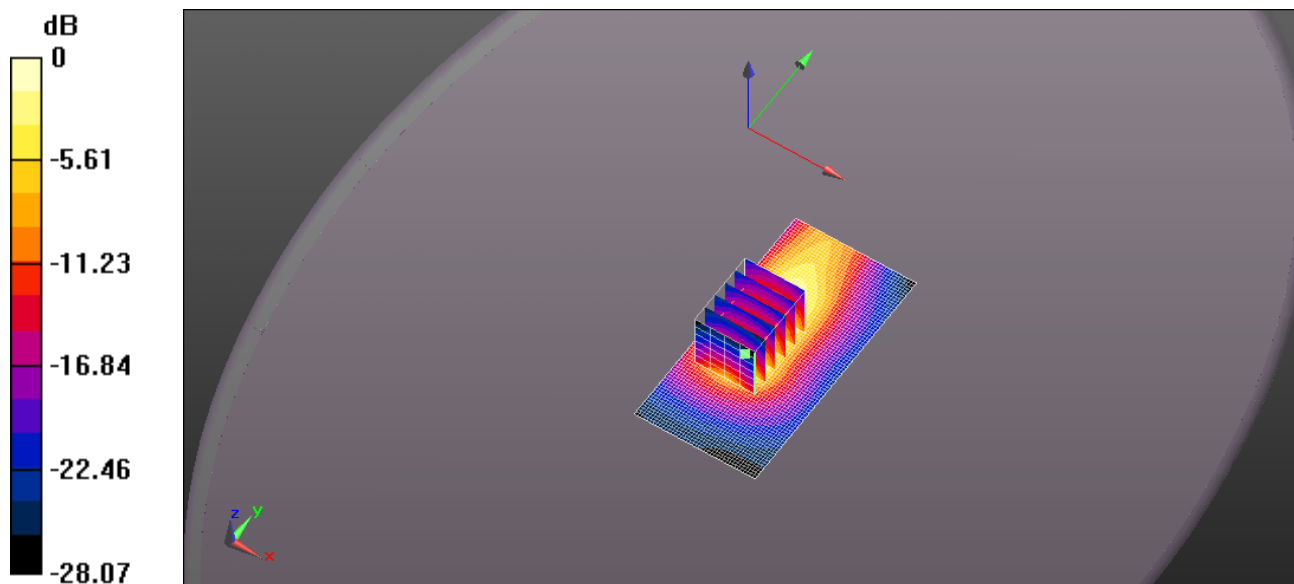
Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Vertical Back d= 0mm/Area Scan (41x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.20 W/kg

DIGI-160Q Extremity SAR/Vertical Back d= 0mm/Zoom Scan (5x5x7) (5x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.94 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.340 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.47 W/kg



0 dB = 1.20 W/kg = 0.78 dBW/kg

FILE NAME: [DIGI-160Q 2402 MHZ BLE VERTICAL FRONT.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

Communication System: UID 0, CW (0); Frequency: 2402 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.852$ S/m; $\epsilon_r = 51.18$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Vertical Front d= 0mm/Area Scan (41x81x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 3.90 W/kg

DIGI-160Q Extremity SAR/Vertical Front d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

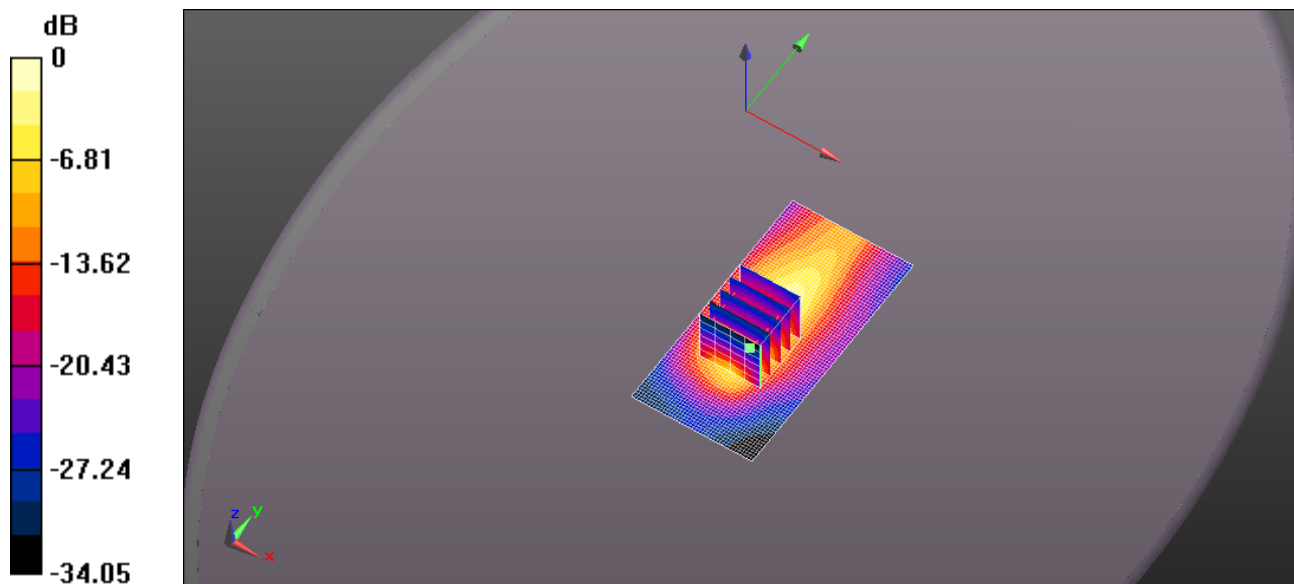
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 41.95 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 6.71 W/kg

SAR(1 g) = 2.2 W/kg; SAR(10 g) = 0.856 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.60 W/kg



FILE NAME: [DIGI-160Q 2480 MHZ BLE VERTICAL FRONT.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Vertical Front d= 0mm/Area Scan (41x81x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.26 W/kg

DIGI-160Q Extremity SAR/Vertical Front d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

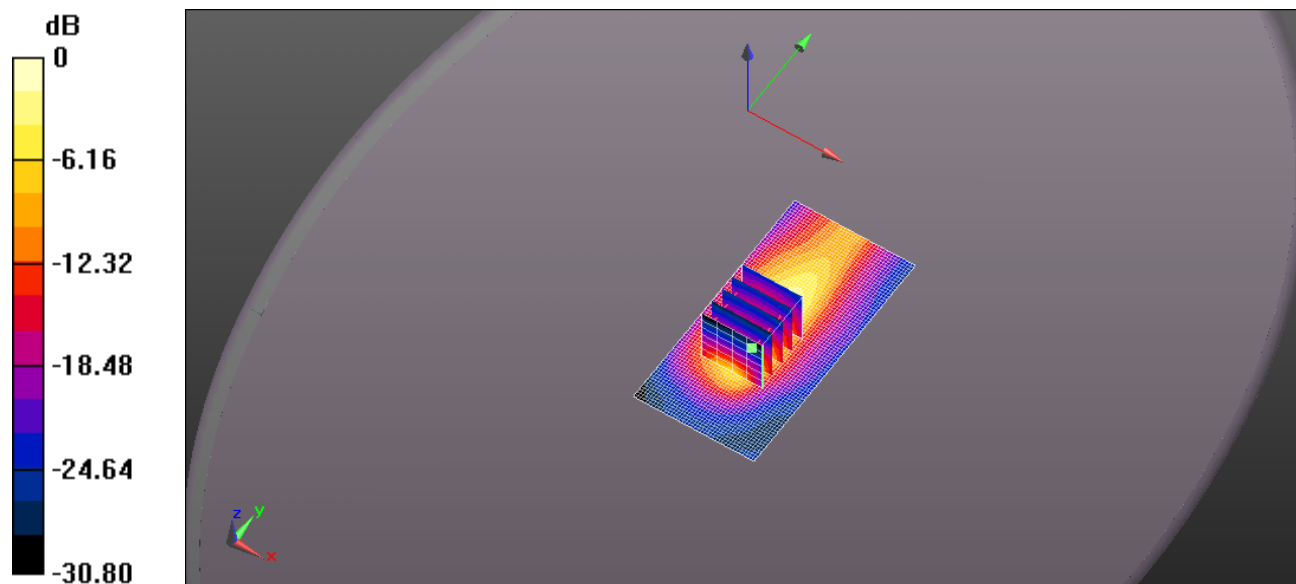
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 23.39 V/m; Power Drift = 0.28 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.276 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

FILE NAME: [DIGI-160Q 2402 MHZ BLE HORIZONTAL DOWN.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

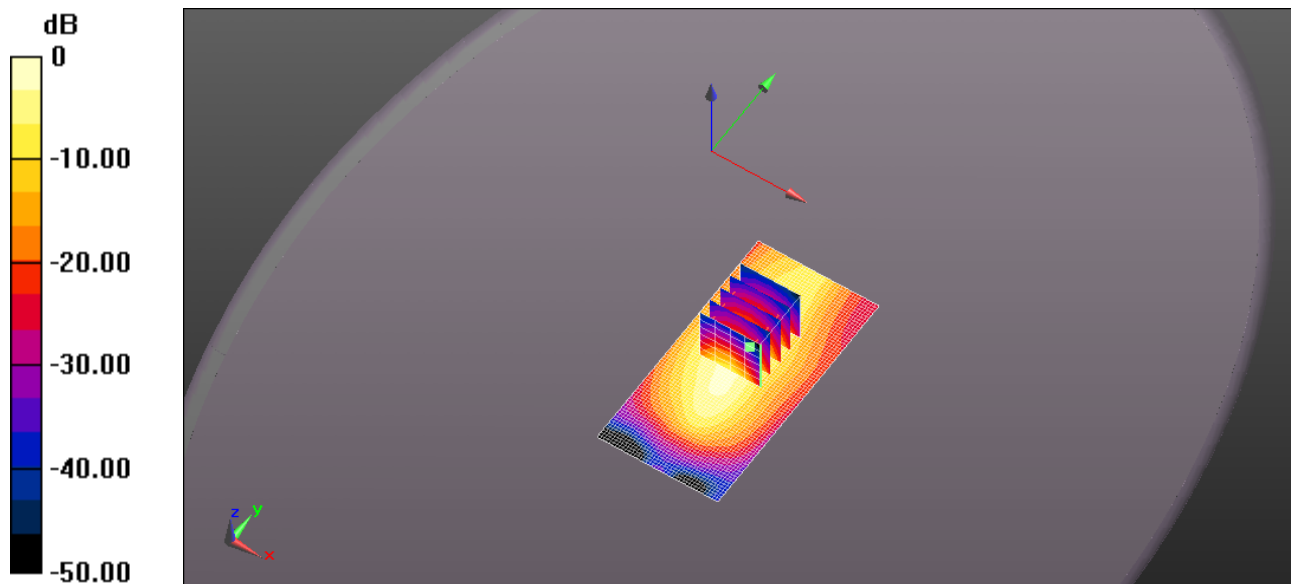
Communication System: UID 0, CW (0); Frequency: 2402 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.852$ S/m; $\epsilon_r = 51.18$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal down d= 0mm/Area Scan (41x81x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.80 W/kg

DIGI-160Q Extremity SAR/Horizontal down d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.44 V/m; Power Drift = -0.51 dB
Peak SAR (extrapolated) = 6.11 W/kg
SAR(1 g) = 3.08 W/kg; SAR(10 g) = 1.42 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.85 W/kg



0 dB = 4.80 W/kg = 6.81 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ BLE HORIZONTAL DOWN.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

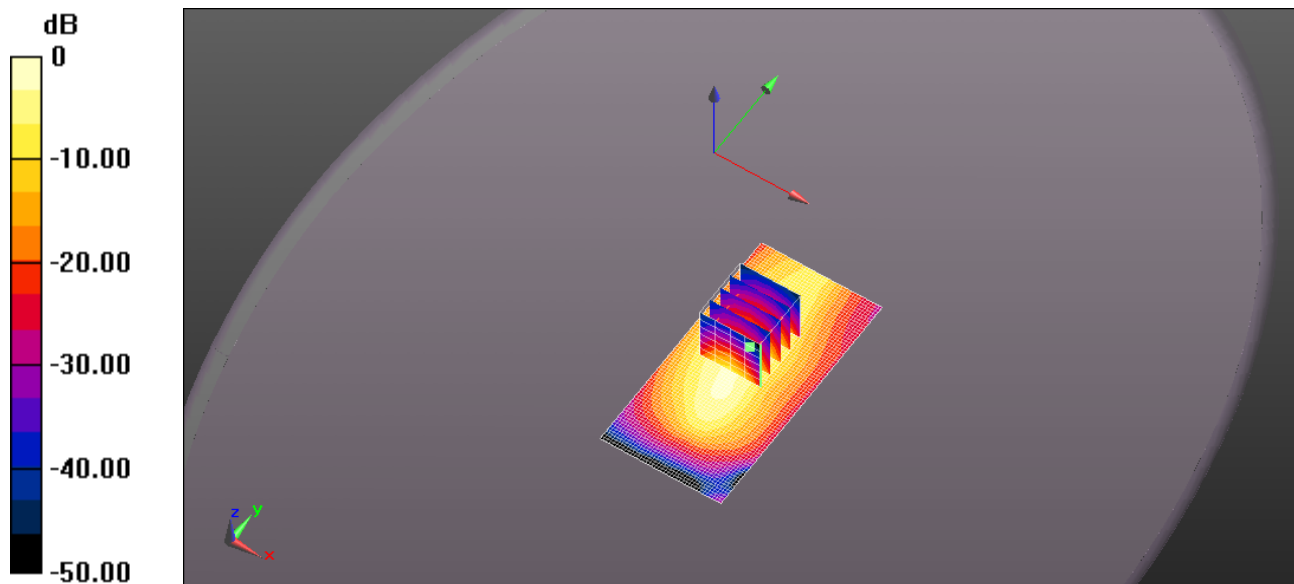
Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal down d= 0mm/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.68 W/kg

DIGI-160Q Extremity SAR/Horizontal down d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.89 V/m; Power Drift = -0.51 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.481 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.68 W/kg = 2.25 dBW/kg

FILE NAME: [DIGI-160Q 2402 MHZ BLE HORIZONTAL UP.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

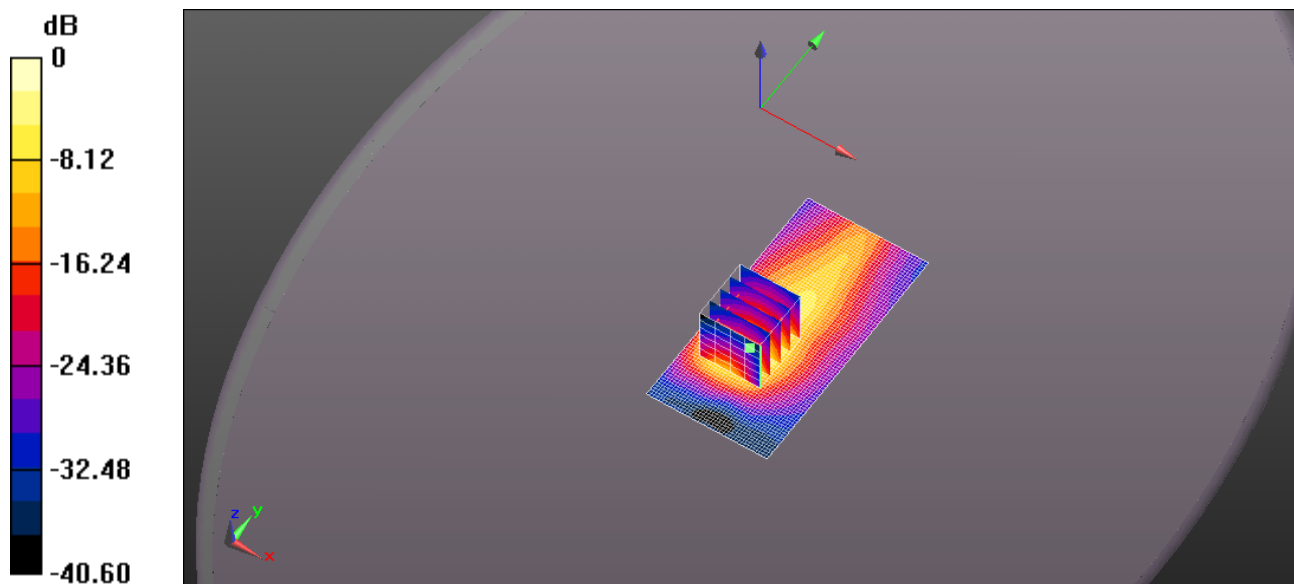
Communication System: UID 0, CW (0); Frequency: 2402 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.852$ S/m; $\epsilon_r = 51.18$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal up d= 0mm/Area Scan (41x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.2 W/kg

DIGI-160Q Extremity SAR/Horizontal up d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 50.98 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 11.2 W/kg
SAR(1 g) = 5.13 W/kg; SAR(10 g) = 2.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.66 W/kg



0 dB = 10.2 W/kg = 10.07 dBW/kg

FILE NAME: [DIGI-160Q 2440 MHZ BLE HORIZONTAL UP.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

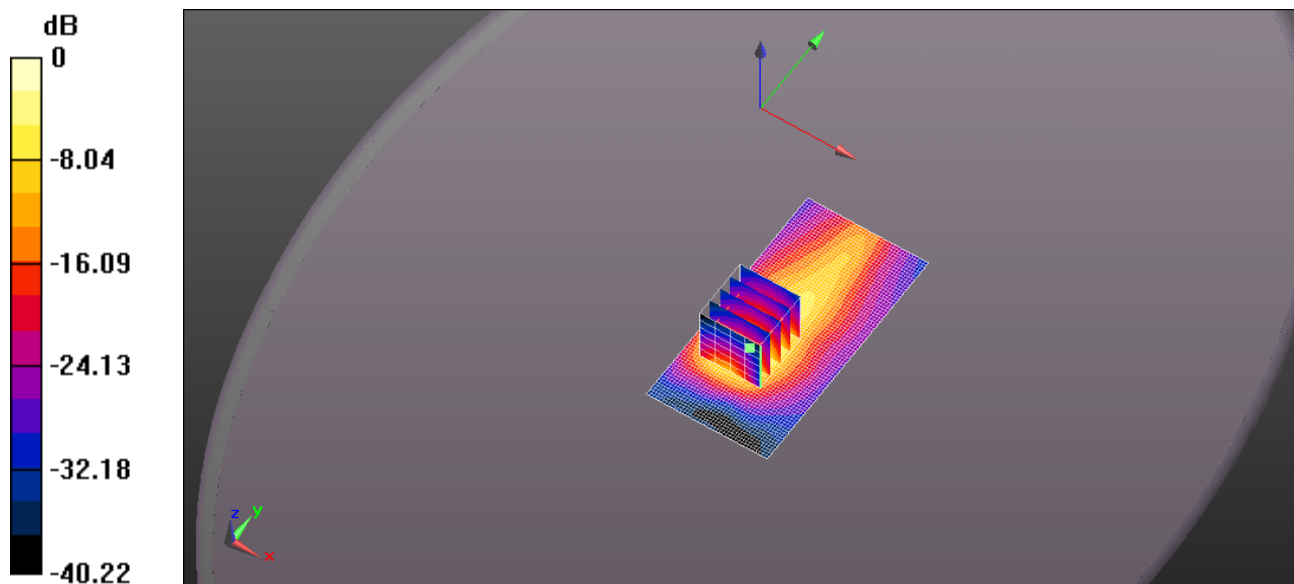
Communication System: UID 0, CW (0); Frequency: 2440 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2440$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 51.056$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal up d= 0mm/Area Scan (41x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.86 W/kg

DIGI-160Q Extremity SAR/Horizontal up d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 49.60 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 11.2 W/kg
SAR(1 g) = 5.06 W/kg; SAR(10 g) = 2.07 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.57 W/kg



0 dB = 9.86 W/kg = 9.94 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ BLE HORIZONTAL UP.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

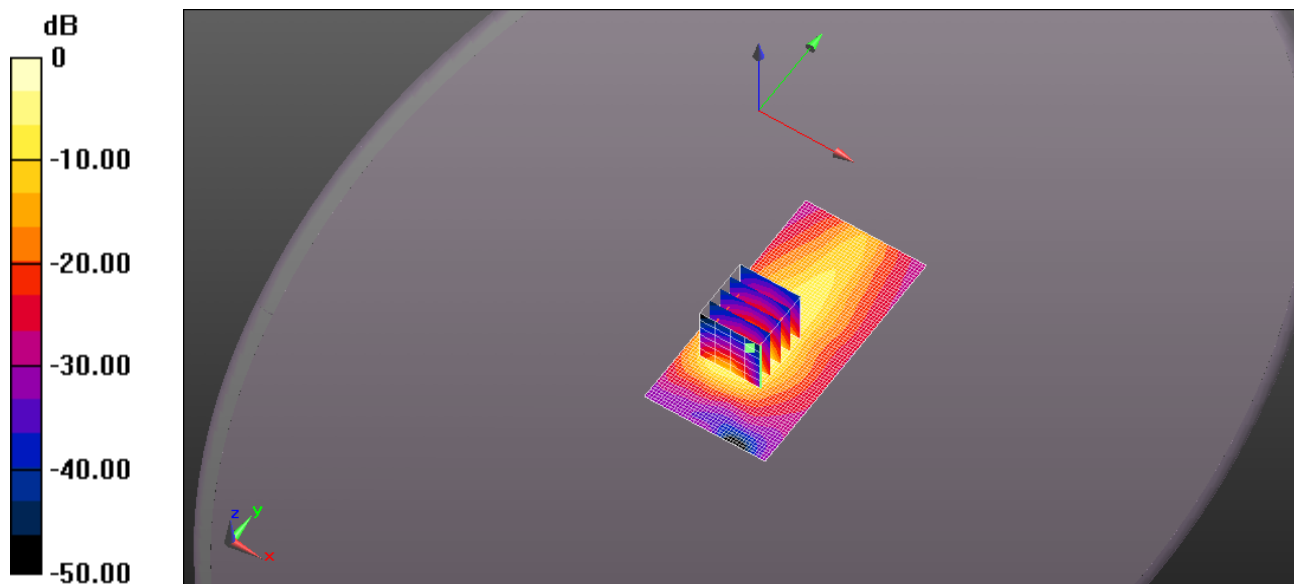
Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Horizontal up d= 0mm/Area Scan (41x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.12 W/kg

DIGI-160Q Extremity SAR/Horizontal up d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.52 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 1.67 W/kg; SAR(10 g) = 0.679 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.90 W/kg



0 dB = 3.12 W/kg = 4.94 dBW/kg

FILE NAME: [DIGI-160Q 2402 MHZ BLE TIP MODE.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

Communication System: UID 0, CW (0); Frequency: 2402 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.852$ S/m; $\epsilon_r = 51.18$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Tip Mode d= 0mm/Area Scan (41x61x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.382 W/kg

DIGI-160Q Extremity SAR/Tip Mode d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

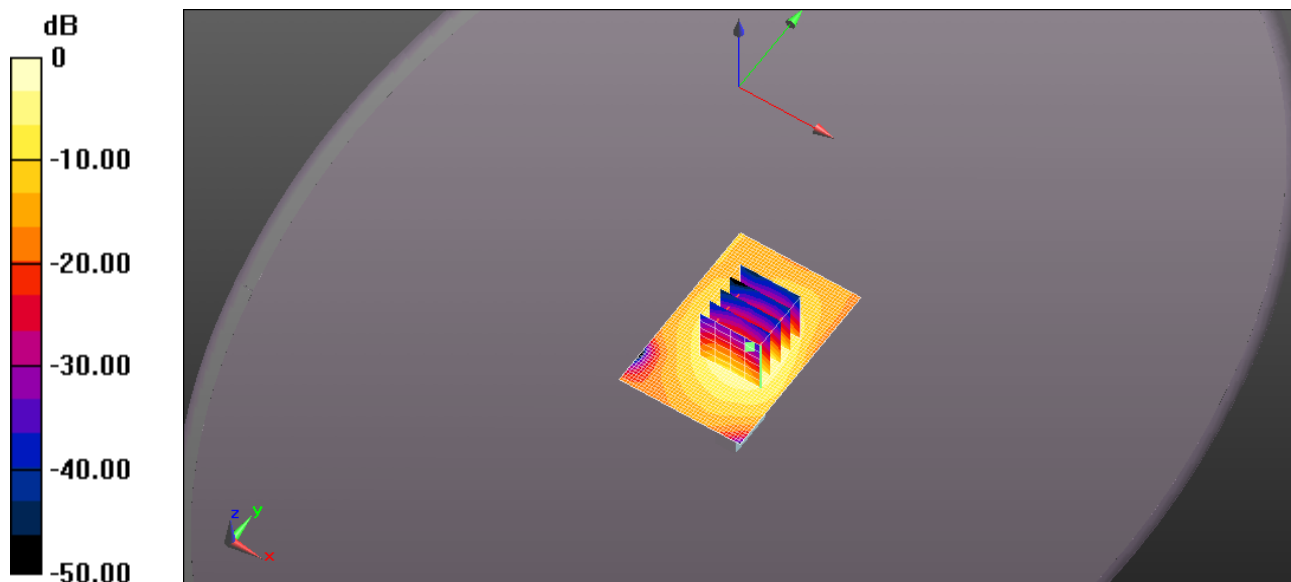
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.59 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.491 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.091 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.357 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

FILE NAME: [DIGI-160Q 2480 MHZ BLE TIP MODE.DA52:0](#)

DUT: DIGI Xbee3 with BLE; Type: USB Dongle

Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 50.935$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.19, 7.19, 7.19); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

DIGI-160Q Extremity SAR/Tip Mode d= 0mm/Area Scan (41x61x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.176 W/kg

DIGI-160Q Extremity SAR/Tip Mode d= 0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

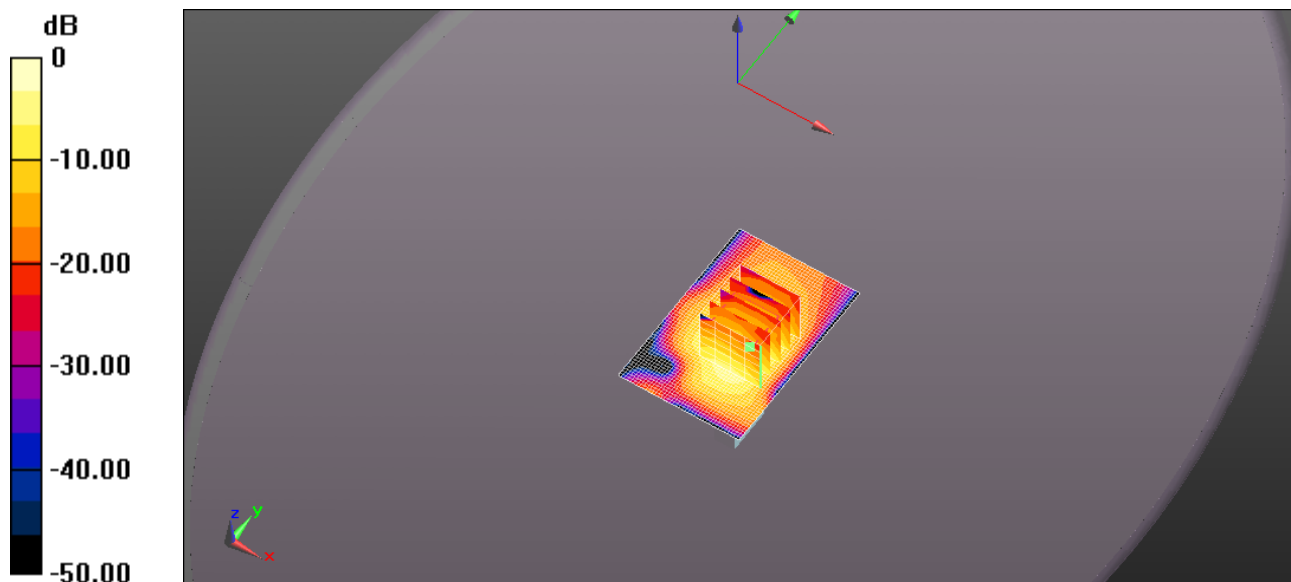
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 8.938 V/m; Power Drift = -0.29 dB

Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.031 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.176 W/kg = -7.54 dBW/kg