

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. HEAD SAR MEASUREMENTS

					Device Back Facing Phantom (Required Mounting per User Manual)			Device Front Facing Phantom (Least Antenna Separation Distance)		
						Measured HEAD			Measured HEAD	
Device Model	Device S/N	Channel	Frequency (MHz)	Power (dBm)	Power Drift (dB)	SAR1g (mW/g)	SAR10g (mW/g)	Power Drift (dB)	SAR1g (mW/g)	SAR10g (mW/g)
QT-5100 Incognito 100mW	10395	1	470	20.13	0.000	1.340	0.797	0.000	1.360	0.799
		2	489	19.97	0.200	0.824	0.487			
		3	508	19.96	0.380	0.655	0.382			
		4	526	19.97	0.210	0.643	0.375			
		5	545	20.03	0.270	0.603	0.352			

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 470MHz 100mW front-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470$ MHz; $\sigma = 0.858$ S/m; $\epsilon_r = 44.721$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head front, P=100mW, d=0mm/Area Scan (71x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.91 W/kg

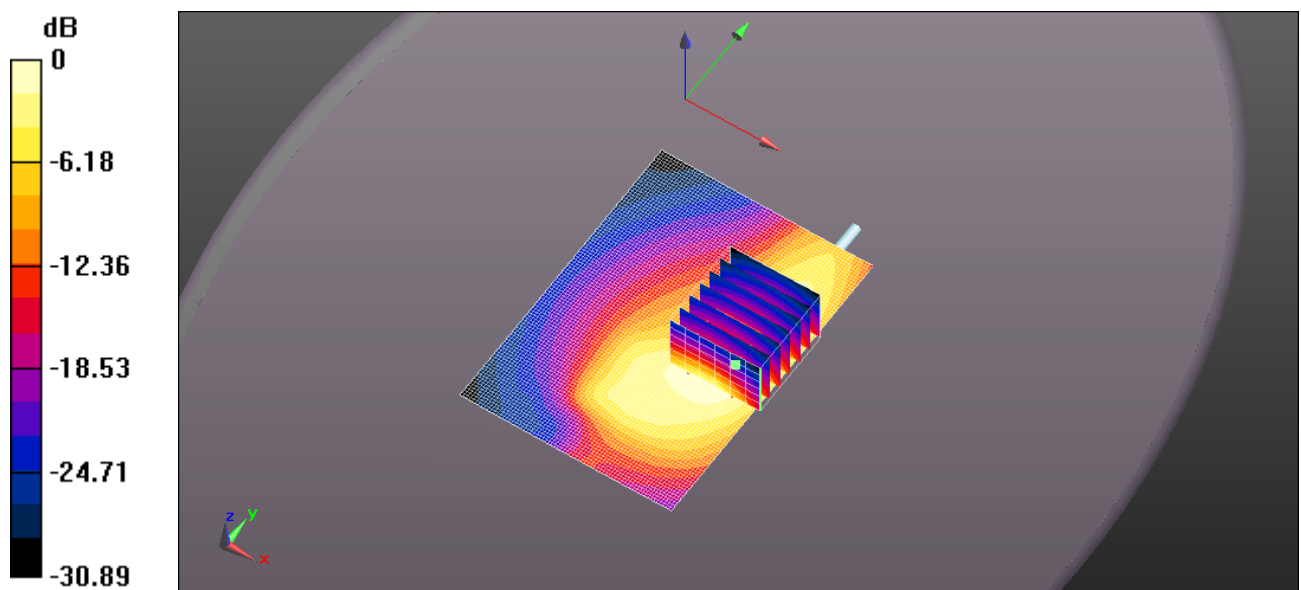
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Reference Value = 49.81 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.799 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.91 W/kg = 2.80 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 470MHz 100mW back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470$ MHz; $\sigma = 0.858$ S/m; $\epsilon_r = 44.721$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.26 W/kg

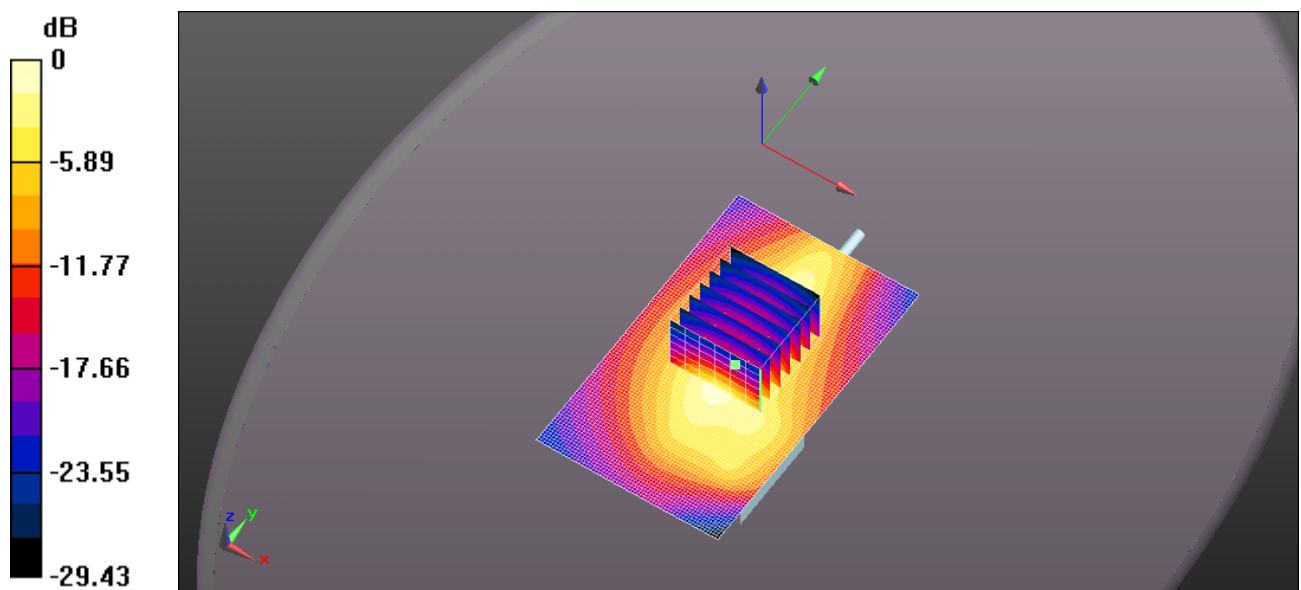
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Reference Value = 22.91 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.797 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 2.26 W/kg = 3.54 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 489MHz 100mW back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 489 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 489$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 44.338$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

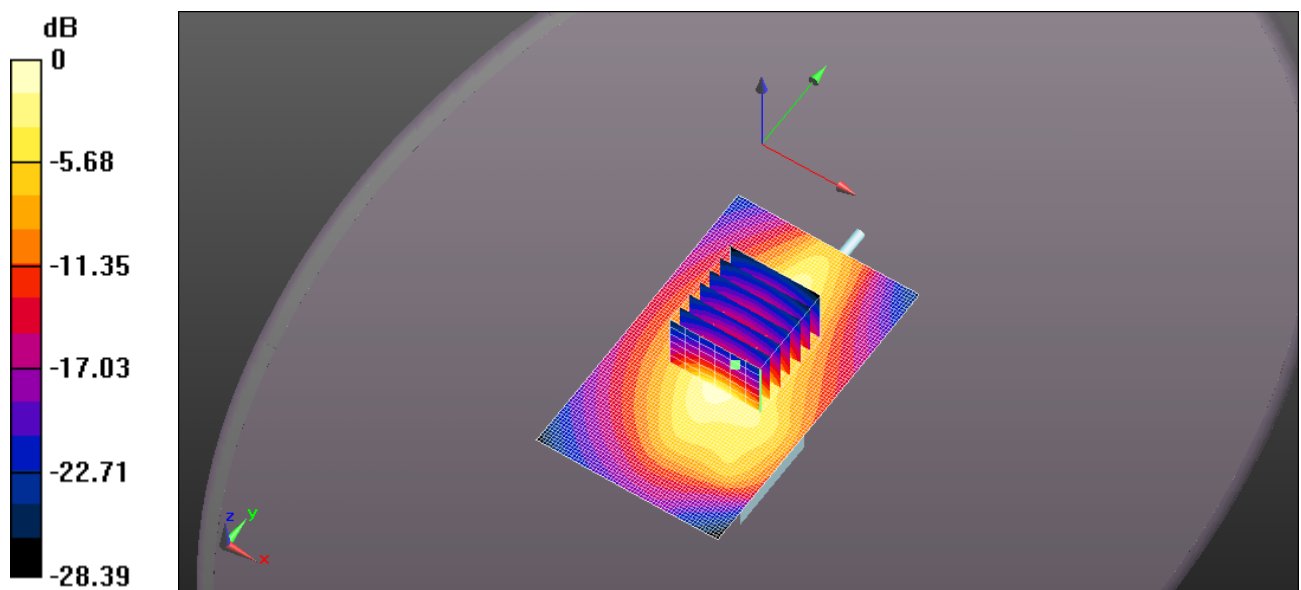
Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.33 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.487 W/kg (SAR corrected for target medium)



Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 508MHz 100mW back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 508 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 508 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 43.932$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

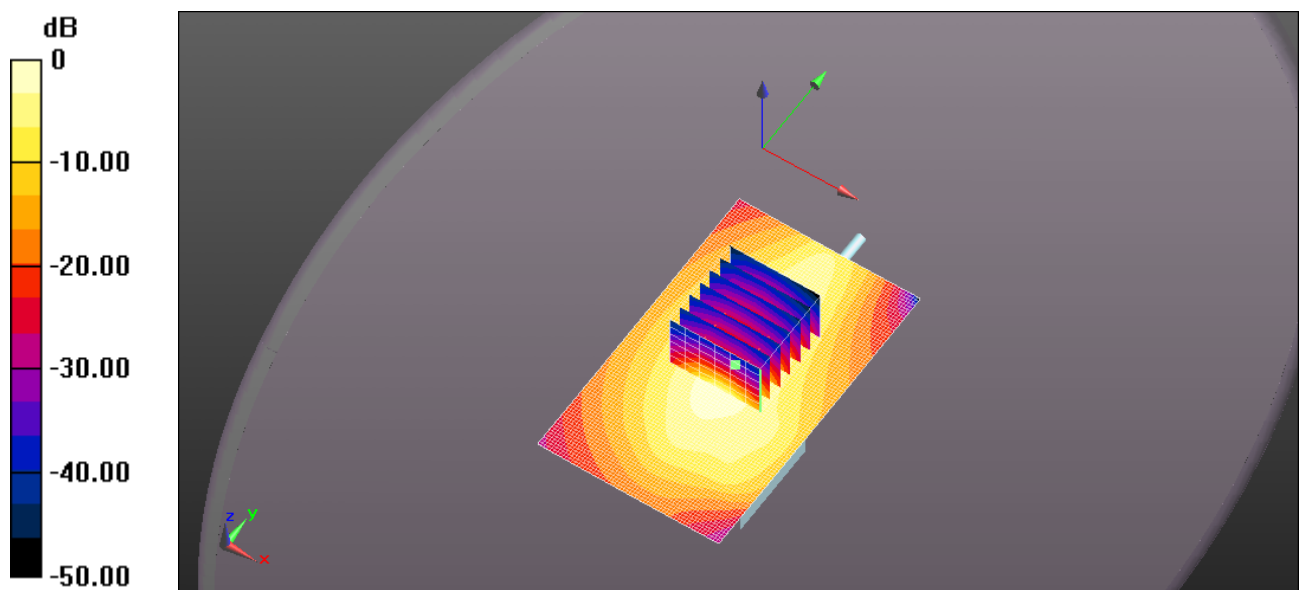
Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.72 V/m; Power Drift = 0.38 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.382 W/kg (SAR corrected for target medium)



0 dB = 1.18 W/kg = 0.71 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 526MHz 100mW back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 43.761$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

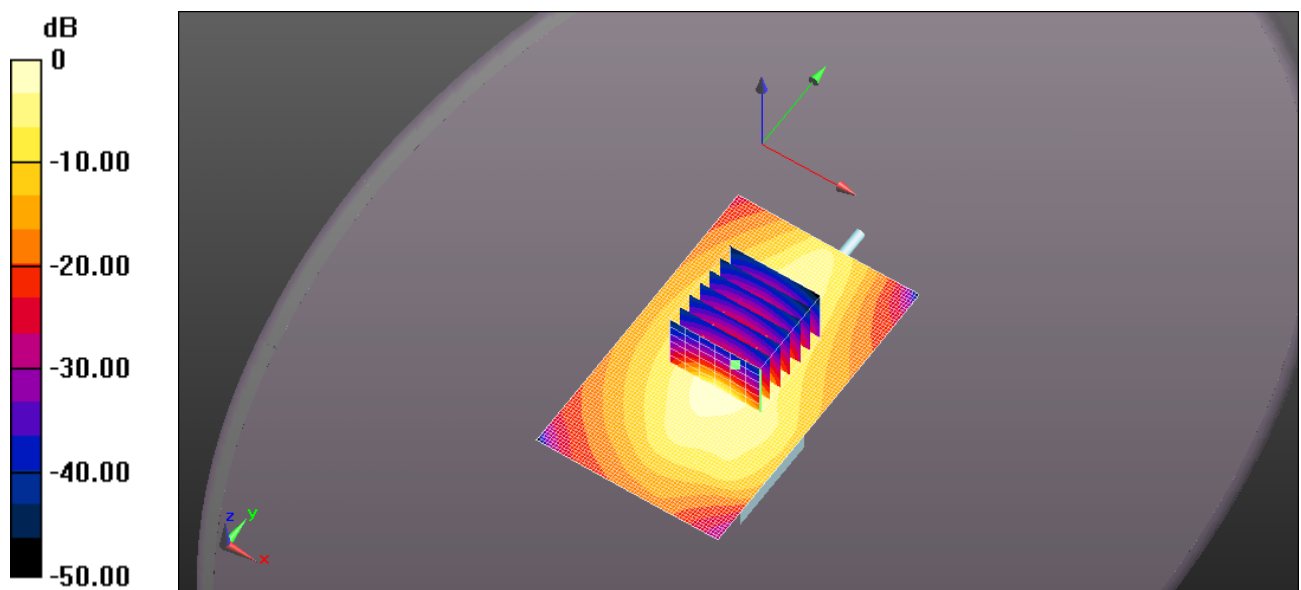
Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.15 V/m; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.643 W/kg; SAR(10 g) = 0.375 W/kg (SAR corrected for target medium)



0 dB = 1.07 W/kg = 0.28 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 545MHz 100mW back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 43.498$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

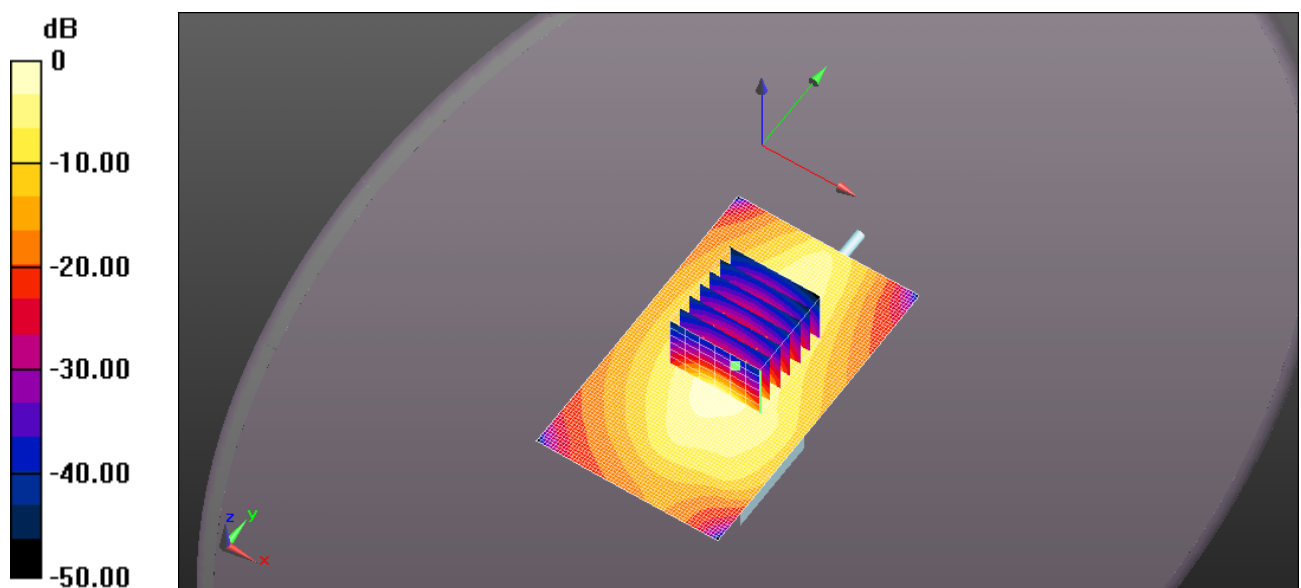
Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Configuration_Head_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Head back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.69 V/m; Power Drift = 0.27 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.352 W/kg (SAR corrected for target medium)



0 dB = 1.01 W/kg = 0.04 dBW/kg

EXHIBIT 2. BODY SAR MEASUREMENTS

					Device Back Facing Phantom (Required Mounting Per User Manual)			Device Front Facing Phantom (Least antenna separation distance)		
Device Model	Device S/N	Channel	Frequency (MHz)	Power (dBm)	Power Drift (dB)	Measured BODY		Power Drift (dB)	Measured BODY	
						SAR1g (mW/g)	SAR10g (mW/g)		SAR1g (mW/g)	SAR10g (mW/g)
QT-5100 PlayerMic 100mW	20326	1	470	19.87	0.350	0.573	0.350	0.080	1.160	0.661
		2	489	20.02				0.000	0.789	0.456
		3	508	19.85				0.000	0.567	0.327
		4	526	20.04				0.000	0.545	0.306
		5	545	19.99				0.000	0.570	0.321

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMic 470MHz 100mW Front-20326.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20326

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 57.603$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (51x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.96 W/kg

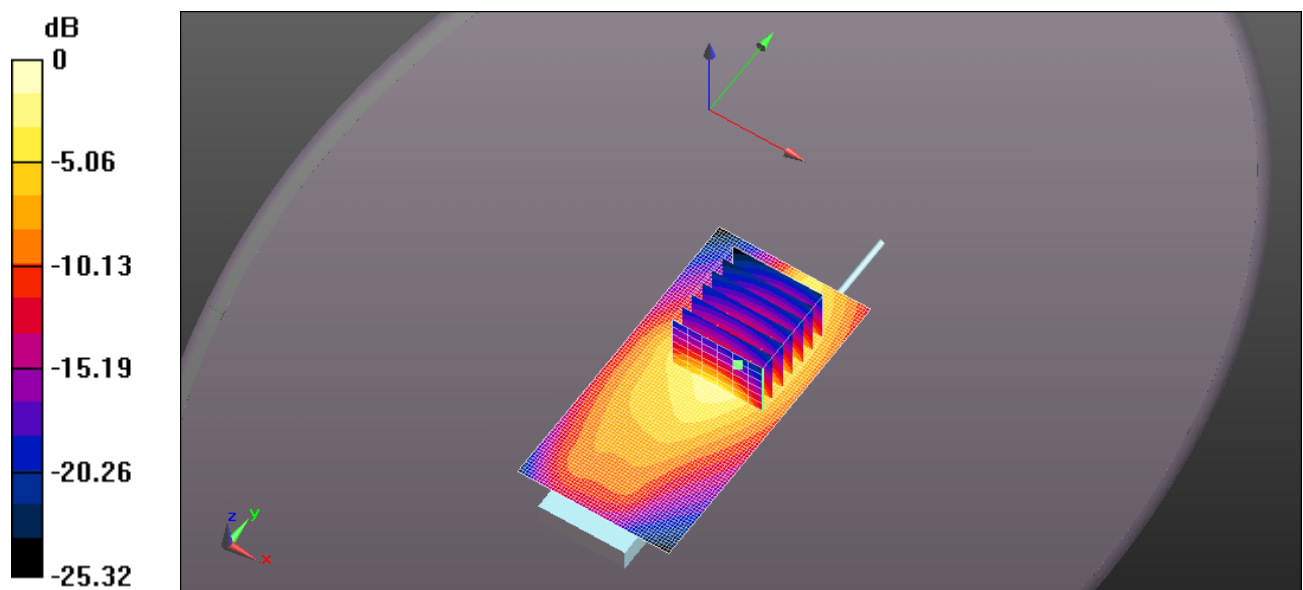
Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 43.60 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.16 W/kg ; SAR(10 g) = 0.661 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.96 W/kg = 2.92 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMic 470MHz 100mW Back-20326.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20326

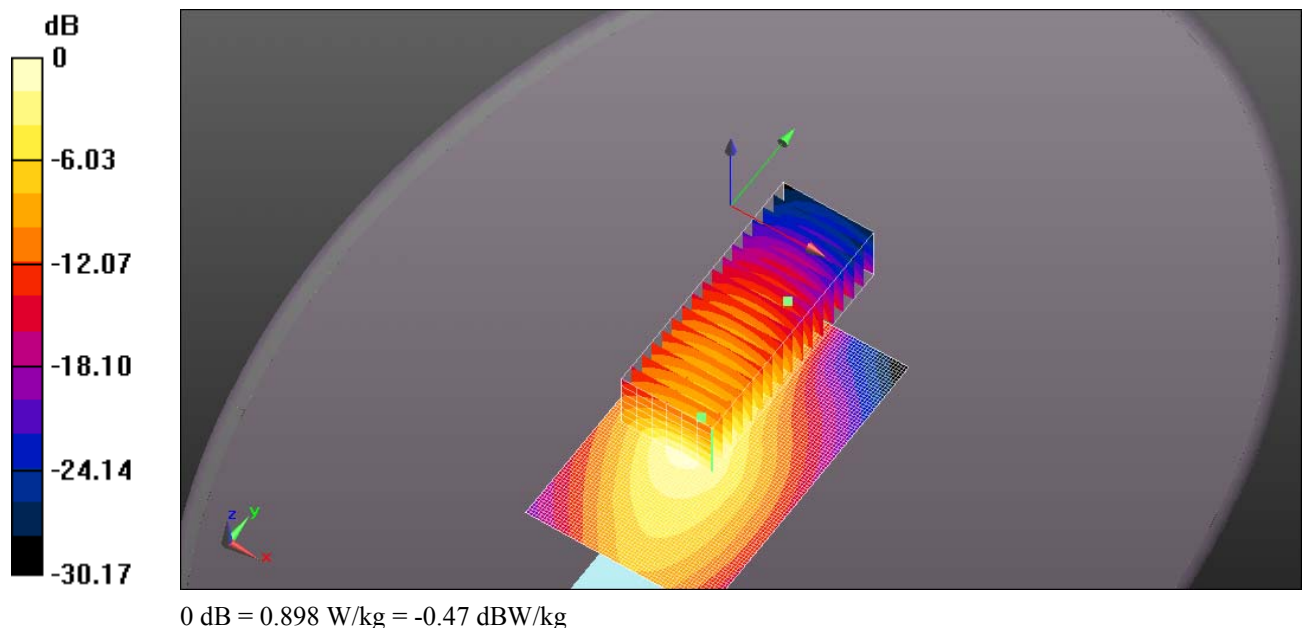
Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 57.603$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.898 W/kg

Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x17x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.91 V/m ; Power Drift = 0.35 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.573 W/kg ; SAR(10 g) = 0.350 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.676 W/kg



Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMic 489MHz 100mW Front-20326.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20326

Communication System: UID 0, CW (0); Frequency: 489 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 489$ MHz; $\sigma = 0.943$ S/m; $\epsilon_r = 57.254$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

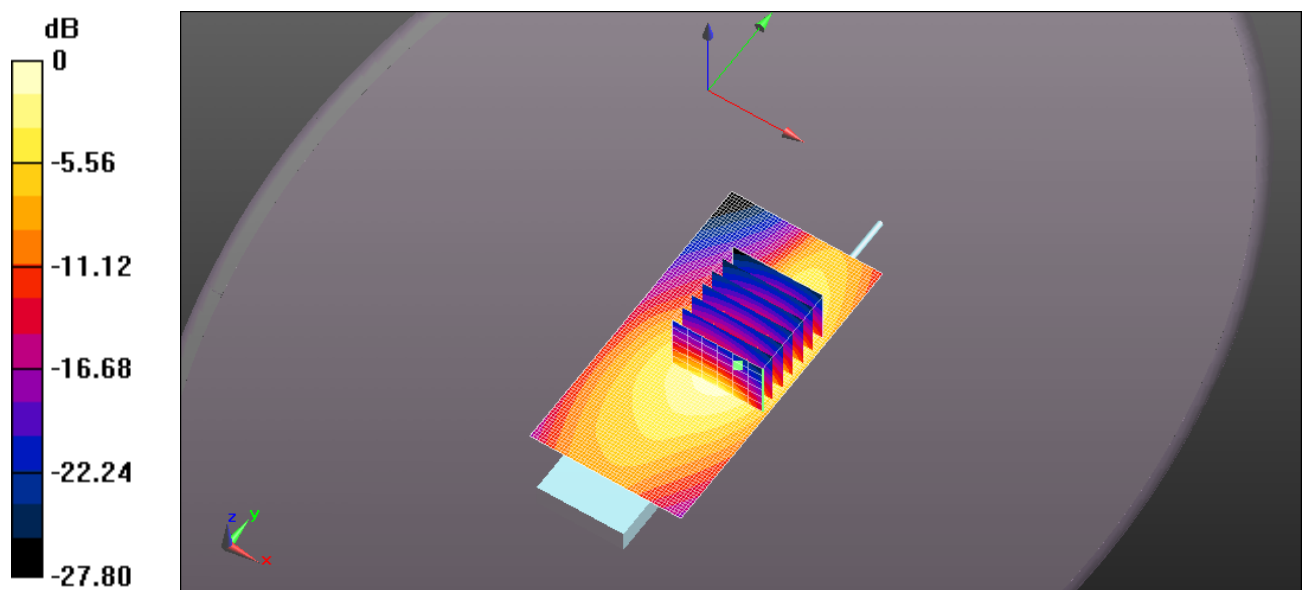
Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 37.20 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.456 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.973 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMic 508MHz 100mW Front-20326.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20326

Communication System: UID 0, CW (0); Frequency: 508 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 508 \text{ MHz}$; $\sigma = 0.958 \text{ S/m}$; $\epsilon_r = 56.963$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.832 W/kg

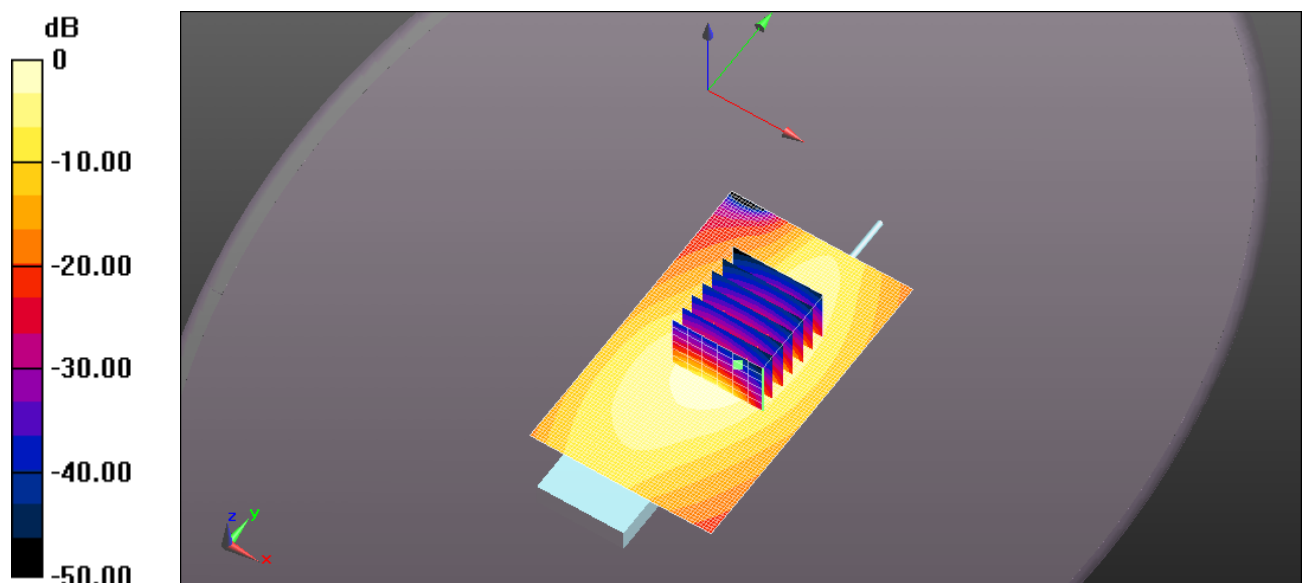
Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.79 V/m ; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.567 W/kg ; SAR(10 g) = 0.327 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.710 W/kg



0 dB = 0.832 W/kg = -0.80 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMic 526MHz 100mW Front-20326.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20326

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526 \text{ MHz}$; $\sigma = 0.975 \text{ S/m}$; $\epsilon_r = 56.757$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.826 W/kg

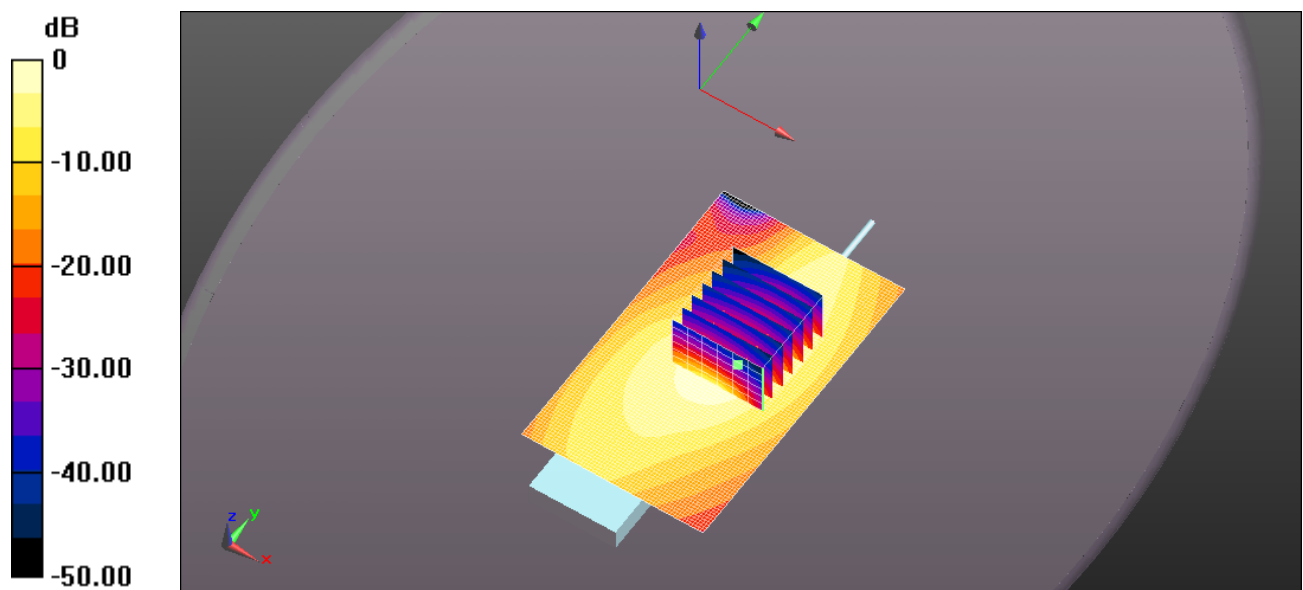
Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.05 V/m ; Power Drift = -0.33 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.545 W/kg ; SAR(10 g) = 0.306 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.708 W/kg



0 dB = 0.826 W/kg = -0.83 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMic 545MHz 100mW Front-20326.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20326

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 56.57$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.877 W/kg

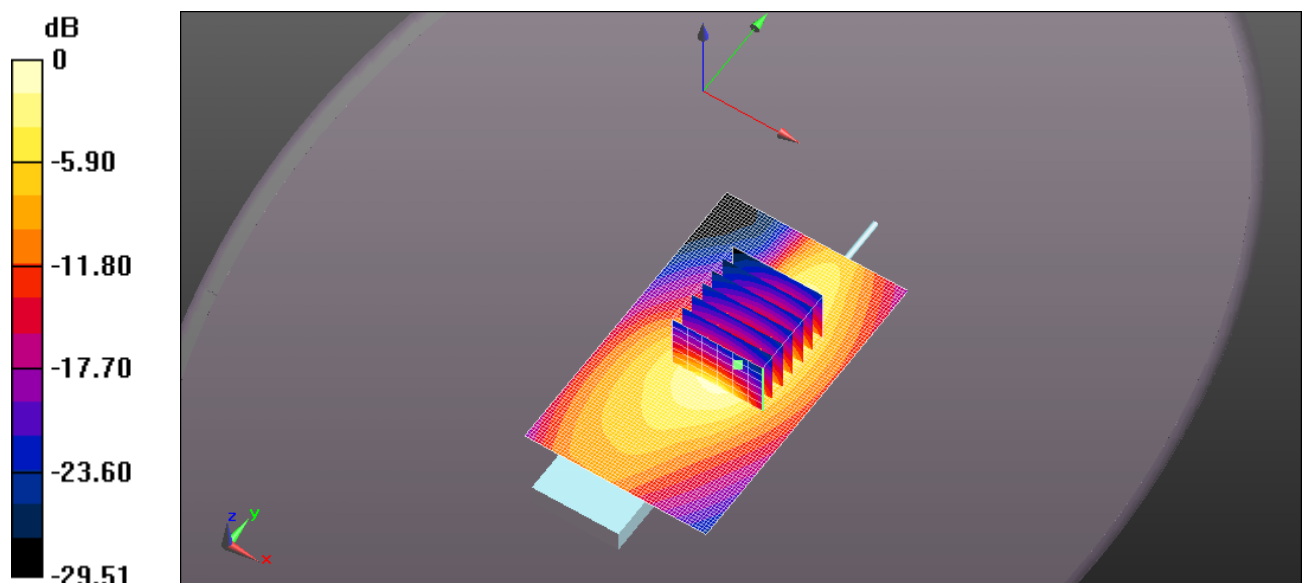
Configuration_Body_Q5X QT-5100 PlayerMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.96 V/m ; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.570 W/kg ; SAR(10 g) = 0.321 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.741 W/kg



0 dB = 0.877 W/kg = -0.57 dBW/kg

Wireless Microphone Audio Transmitter, M/N:QT-5100A

					Device Back Facing Phantom (Required Mounting Per User Manual)			Device Front Facing Phantom (Least antenna separation distance)		
Device Model	Device S/N	Channel	Frequency (MHz)	Power (dBm)	Power Drift (dB)	Measured BODY		Power Drift (dB)	Measured BODY	
						SAR1g (mW/g)	SAR10g (mW/g)		SAR1g (mW/g)	SAR10g (mW/g)
QT-5100 PlayerMicS 100mW	20324	1	470	19.89	0.150	1.160	0.688	0.050	1.420	0.828
		2	489	20.02				0.110	0.834	0.484
		3	508	20.05				0.130	0.625	0.354
		4	526	20.13				0.130	0.667	0.379
		5	545	20.14				0.020	0.623	0.357

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMicS 470MHz 100mW Front-20324.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20324

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 57.603$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (51x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 2.26 W/kg

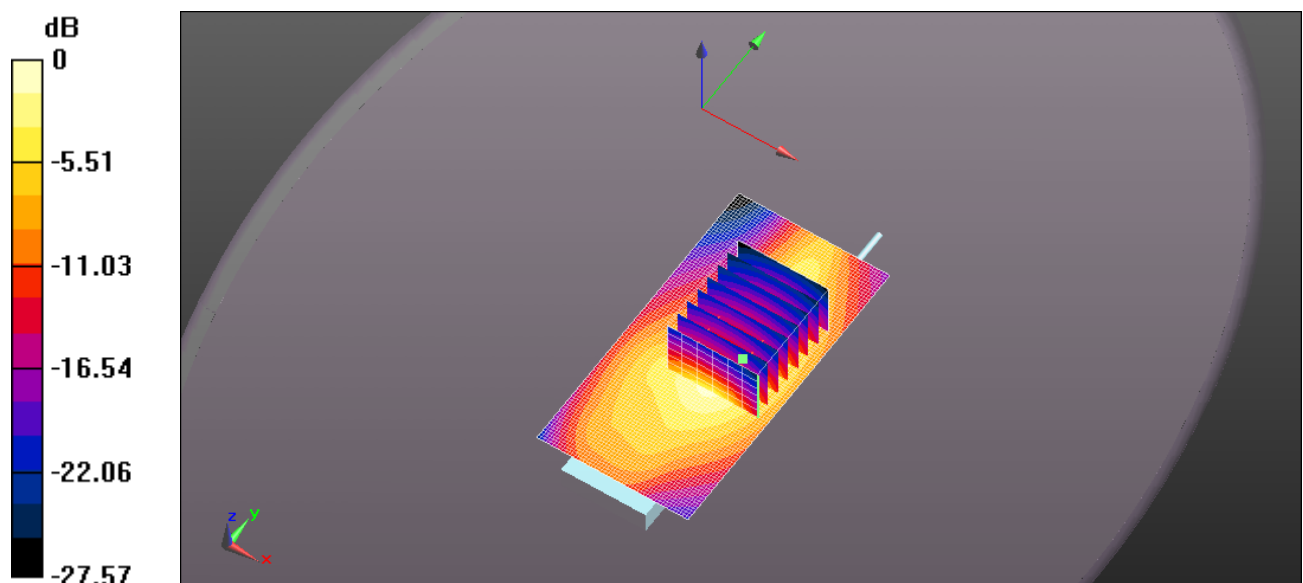
Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x8x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 50.35 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 1.42 W/kg ; SAR(10 g) = 0.828 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 2.26 W/kg = 3.55 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMicS 470MHz 100mW Back-20324.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20324

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 57.603$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.93 W/kg

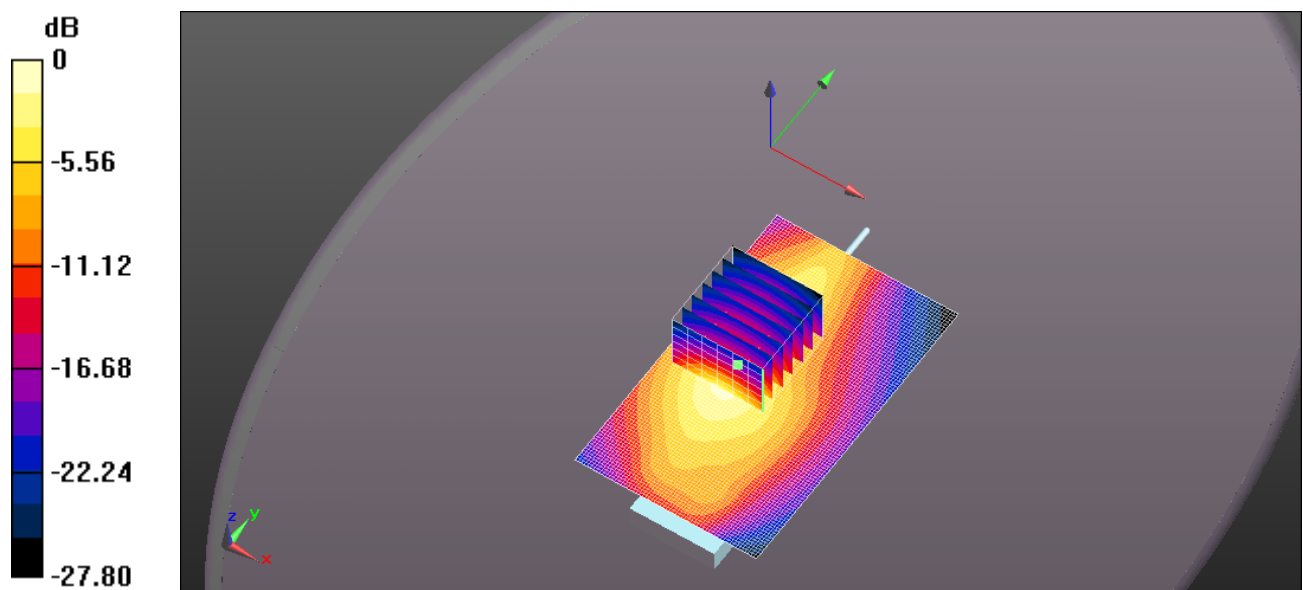
Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.77 V/m ; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.16 W/kg ; SAR(10 g) = 0.688 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.93 W/kg = 2.85 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMicS 489MHz 100mW Front-20324.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20324

Communication System: UID 0, CW (0); Frequency: 489 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 489$ MHz; $\sigma = 0.943$ S/m; $\epsilon_r = 57.254$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.42 W/kg

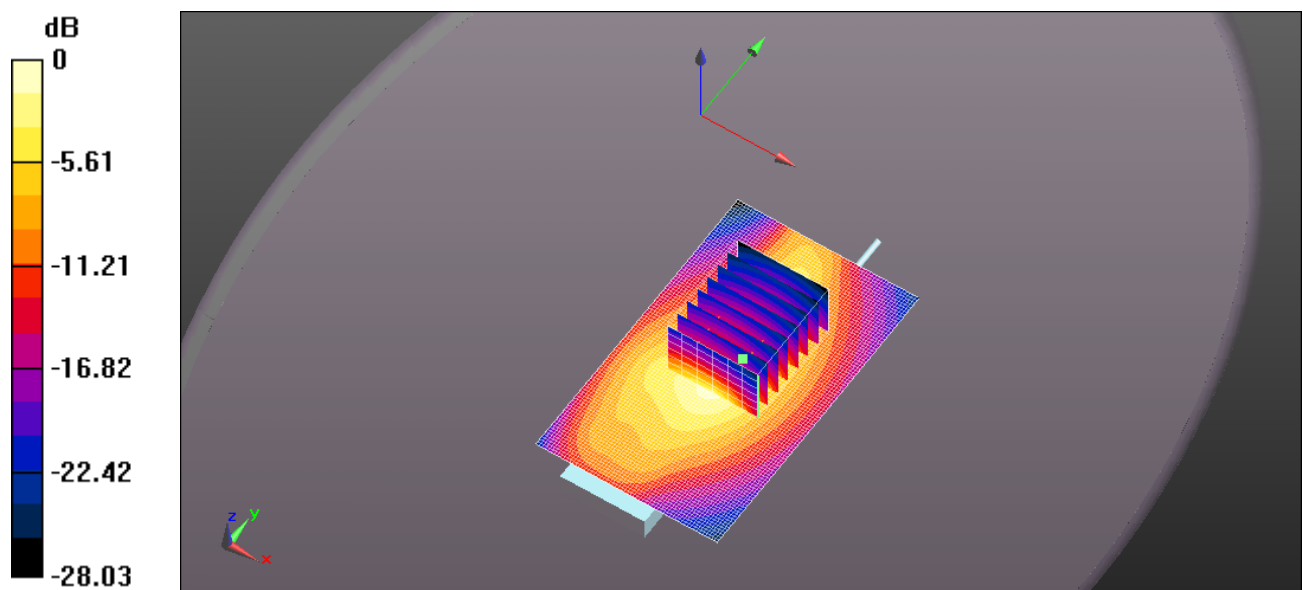
Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x8x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 37.04 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.484 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.42 W/kg = 1.53 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMicS 508MHz 100mW Front-20324.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20324

Communication System: UID 0, CW (0); Frequency: 508 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 508$ MHz; $\sigma = 0.958$ S/m; $\epsilon_r = 56.963$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

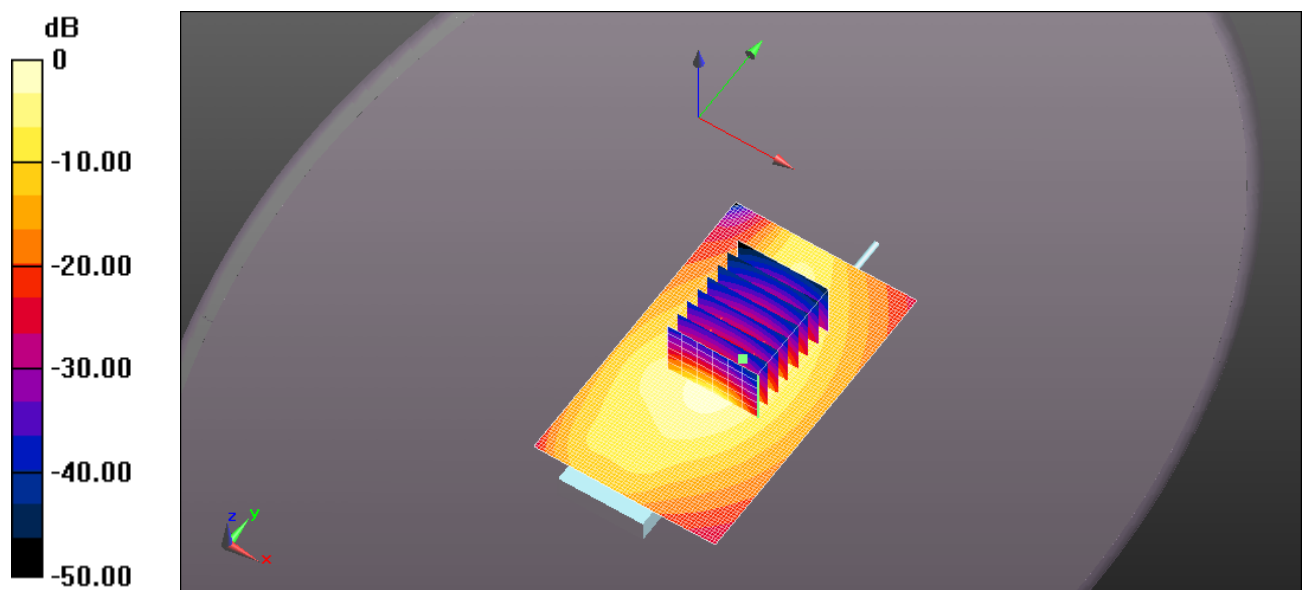
Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x8x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 32.44 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.354 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.793 W/kg



0 dB = 1.09 W/kg = 0.39 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMicS 526MHz 100mW Front-20324.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20324

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526 \text{ MHz}$; $\sigma = 0.975 \text{ S/m}$; $\epsilon_r = 56.757$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.17 W/kg

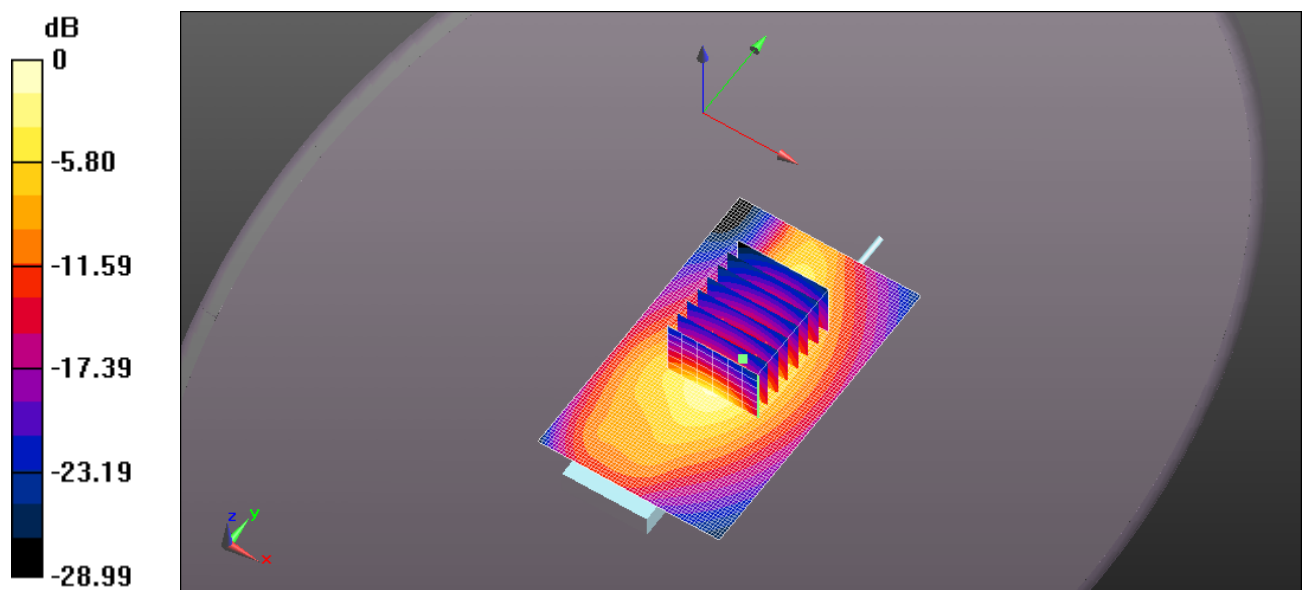
Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x8x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.08 V/m ; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.667 W/kg ; SAR(10 g) = 0.379 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.855 W/kg



0 dB = 1.17 W/kg = 0.70 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 PlayerMicS 545MHz 100mW Front-20324.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20324

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 56.57$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.05 W/kg

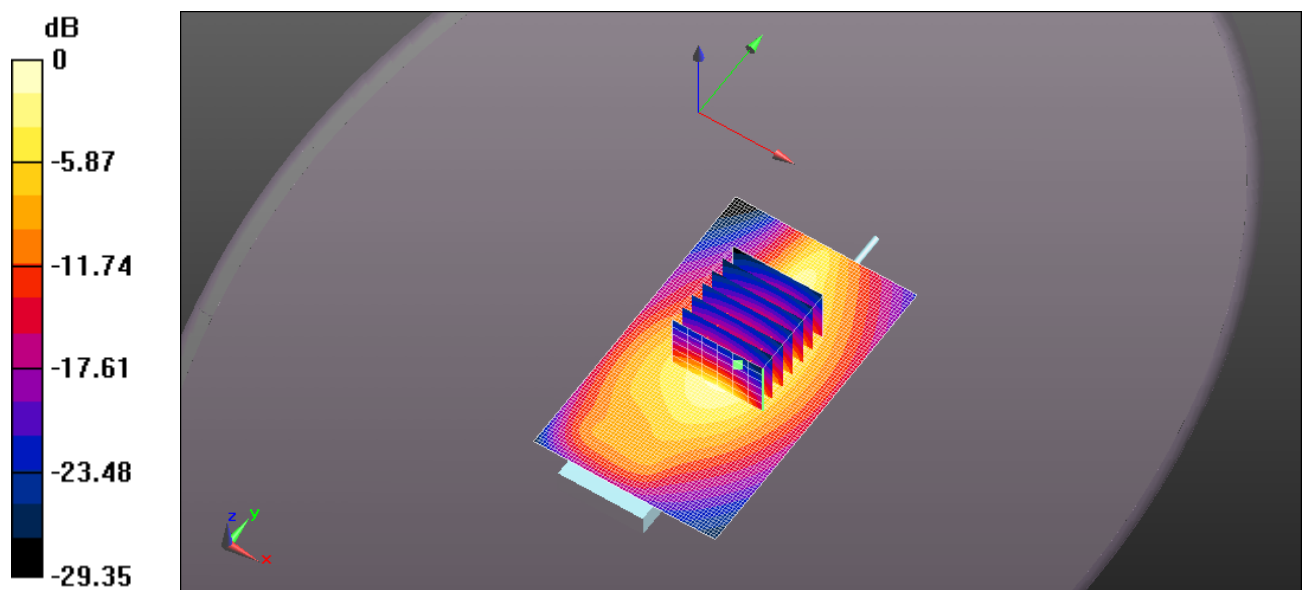
Configuration_Body_Q5X QT-5100 PlayerMicS Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.20 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.623 W/kg ; SAR(10 g) = 0.357 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.798 W/kg



0 dB = 1.05 W/kg = 0.23 dBW/kg

Wireless Microphone Audio Transmitter, M/N:QT-5100A

					Device Back Facing Phantom (Required Mounting Per User Manual)			Device Front Facing Phantom (Least antenna separation distance)		
Device Model	Device S/N	Channel	Frequency (MHz)	Power (dBm)	Power Drift (dB)	Measured BODY		Power Drift (dB)	Measured BODY	
						SAR1g (mW/g)	SAR10g (mW/g)		SAR1g (mW/g)	SAR10g (mW/g)
QT-5100 Incognito 100mW	10395	1	470	20.13	0.100	1.360	0.805	0.140	1.010	0.569
		2	489	19.97	0.250	0.773	0.459			
		3	508	19.96	0.410	0.533	0.308			
		4	526	19.97	0.440	0.559	0.324			
		5	545	20.03	0.160	0.560	0.329			

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 470MHz 100mW Back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.603$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.10 W/kg

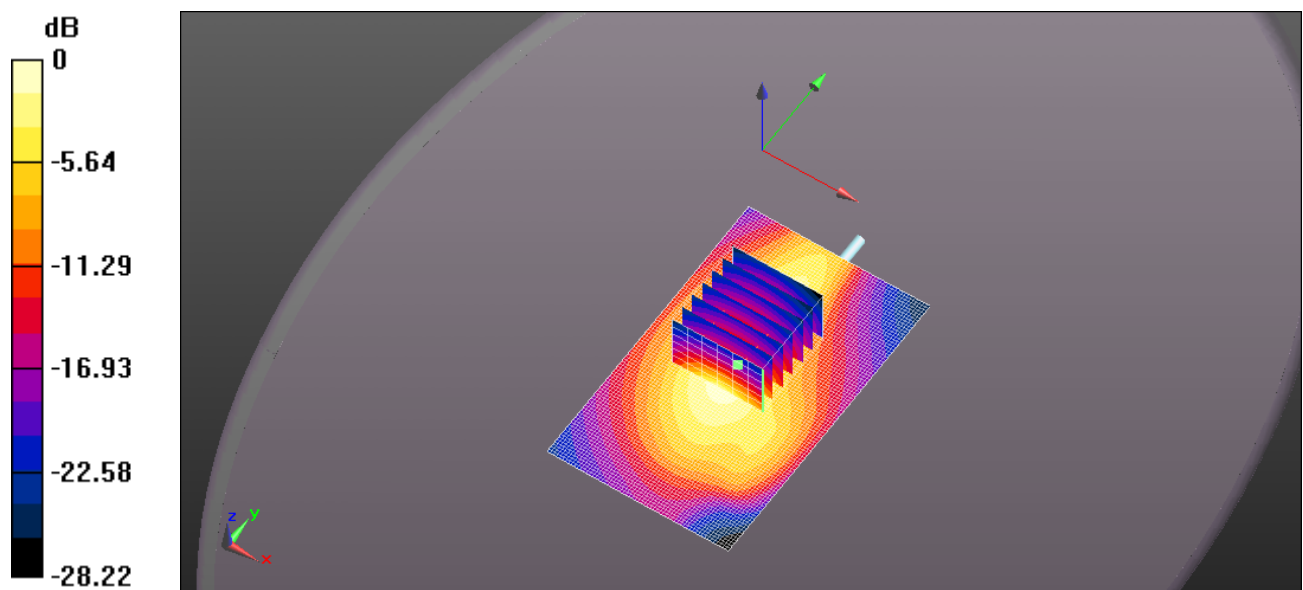
Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.90 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.805 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.65 W/kg



Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 470MHz 100mW Front-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.603$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.69 W/kg

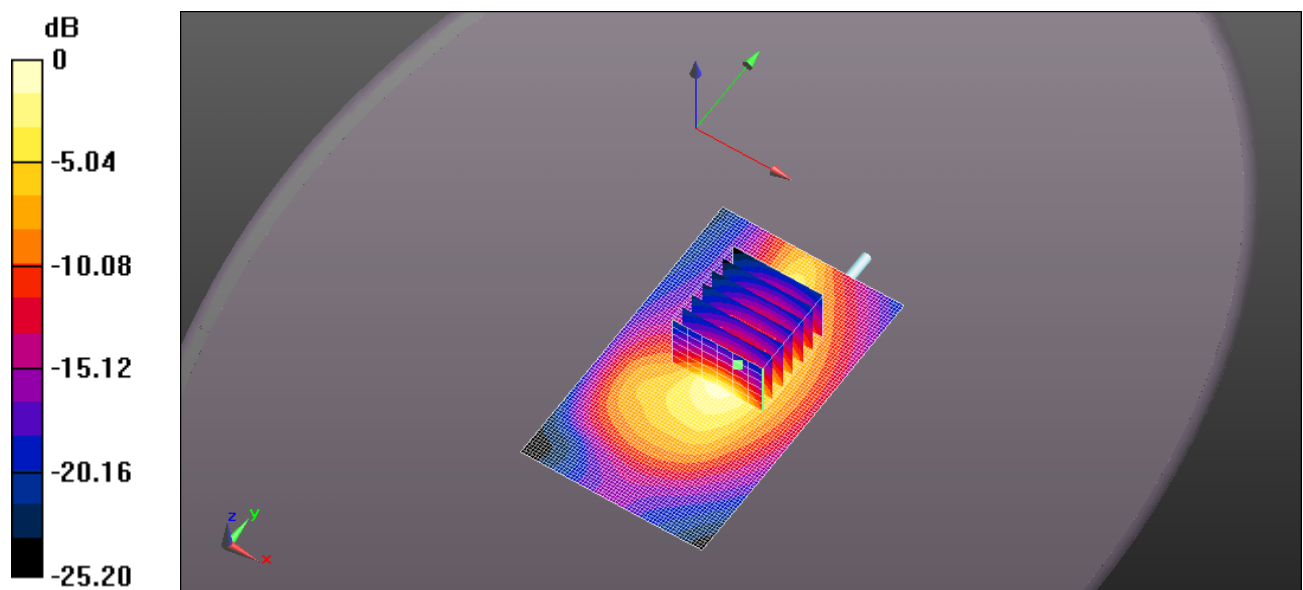
Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 37.56 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.569 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.69 W/kg = 2.29 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 489MHz 100mW Back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 489 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 489 \text{ MHz}$; $\sigma = 0.943 \text{ S/m}$; $\epsilon_r = 57.254$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.22 W/kg

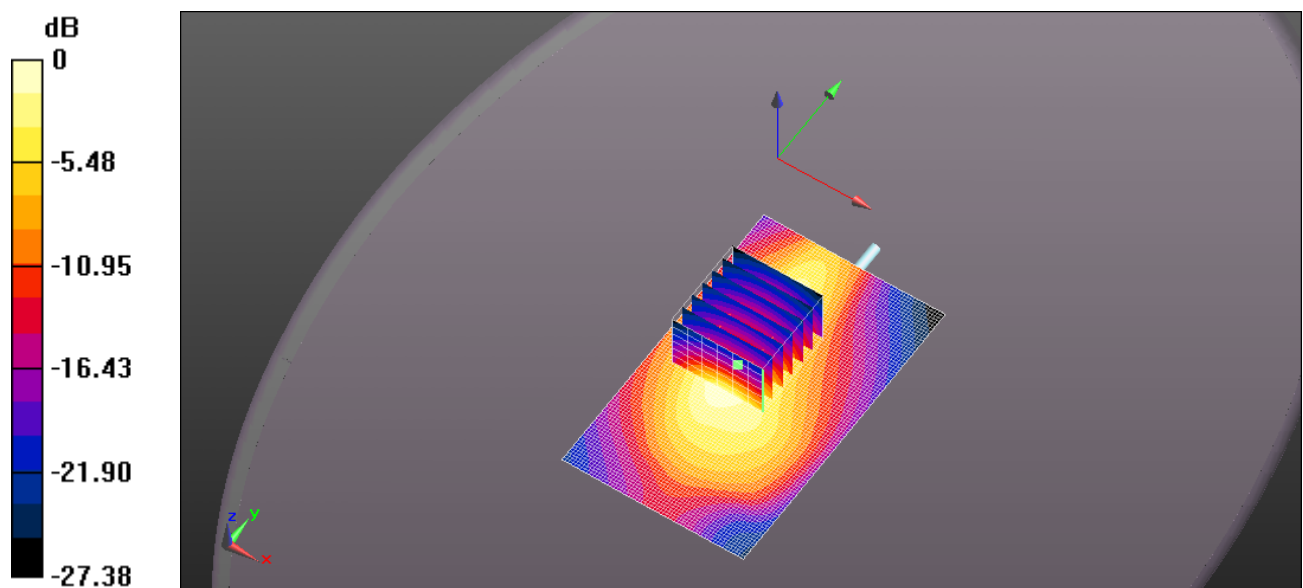
Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.05 V/m ; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.773 W/kg ; SAR(10 g) = 0.459 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.936 W/kg



$0 \text{ dB} = 1.22 \text{ W/kg} = 0.85 \text{ dBW/kg}$

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 508MHz 100mW Back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 508 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 508$ MHz; $\sigma = 0.958$ S/m; $\epsilon_r = 56.963$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.829 W/kg

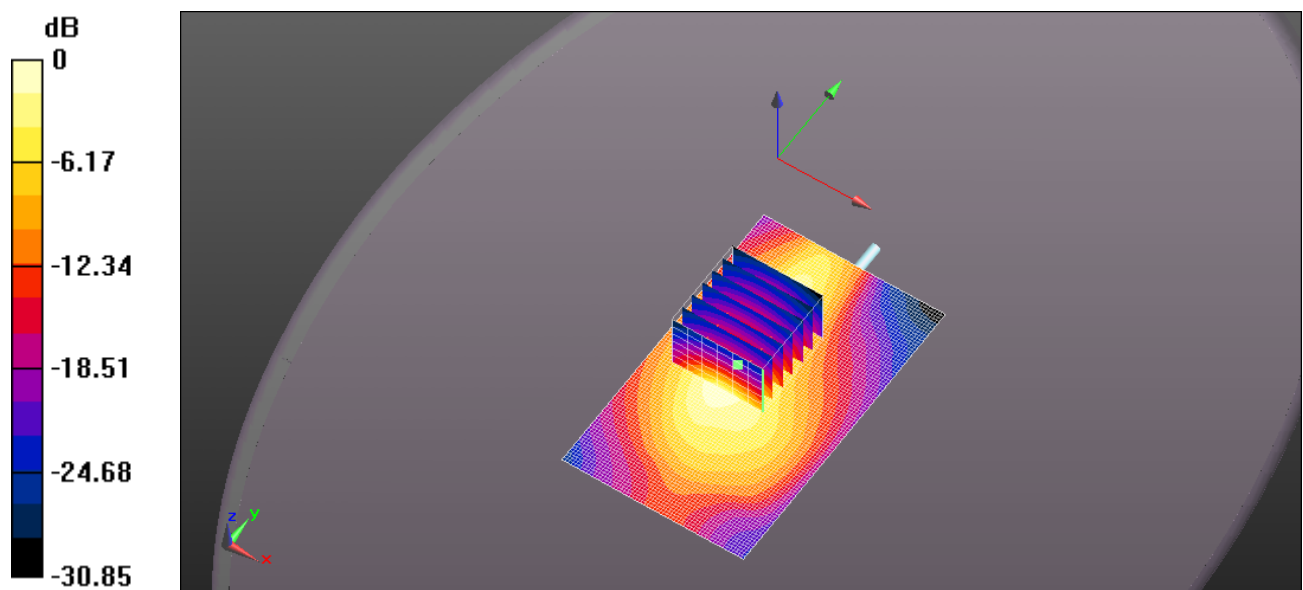
Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.103 V/m; Power Drift = 0.41 dB

Peak SAR (extrapolated) = 0.981 W/kg

SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.308 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.665 W/kg



0 dB = 0.829 W/kg = -0.81 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 526MHz 100mW Back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526$ MHz; $\sigma = 0.975$ S/m; $\epsilon_r = 56.757$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.891 W/kg

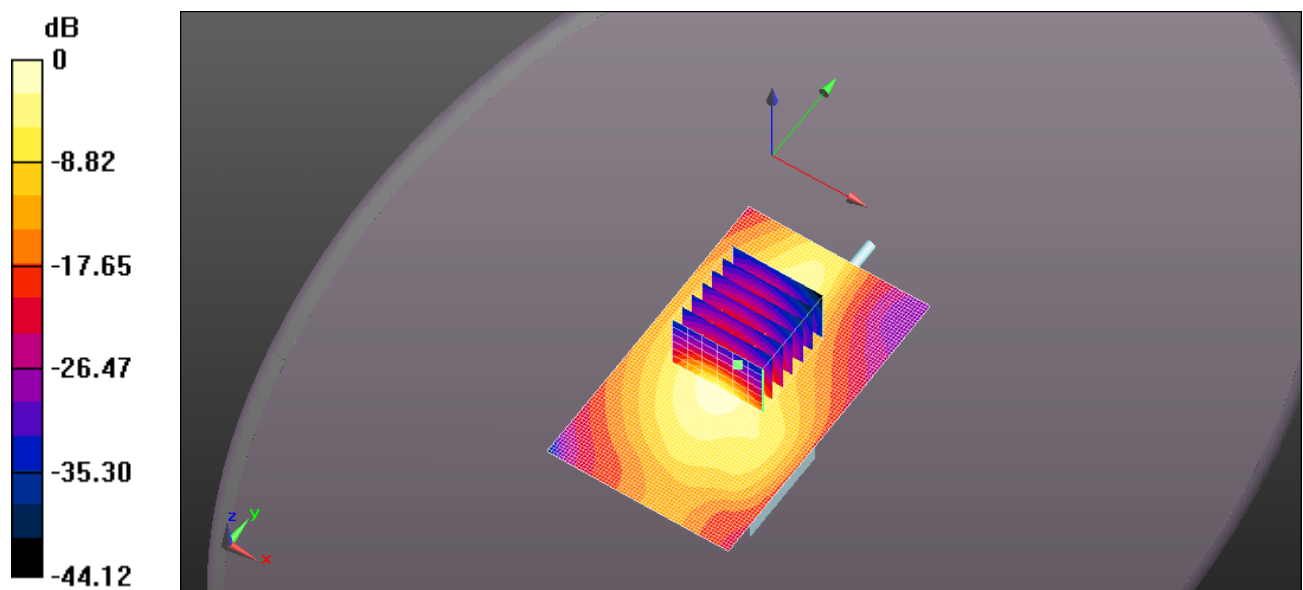
Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.209 V/m; Power Drift = 0.44 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.324 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.703 W/kg



0 dB = 0.891 W/kg = -0.50 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 Incognito 545MHz 100mW Back-10395.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 10395

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 56.57$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.999 W/kg

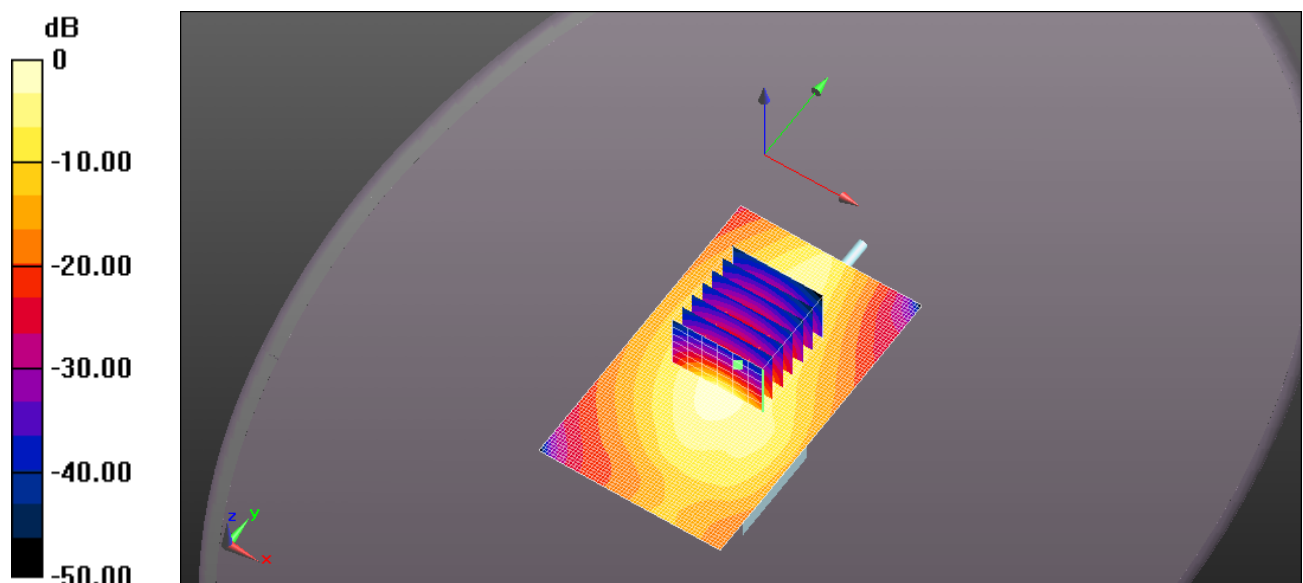
Configuration_Body_Q5X QT-5100 Incognito Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.93 V/m ; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.560 W/kg ; SAR(10 g) = 0.329 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.717 W/kg



0 dB = 0.999 W/kg = -0.01 dBW/kg

Wireless Microphone Audio Transmitter, M/N:QT-5100A

					Device Back Facing Phantom (Required Mounting Per User Manual)			Device Front Facing Phantom (Least antenna separation distance)		
Device Model	Device S/N	Channel	Frequency (MHz)	Power (dBm)	Power Drift (dB)	Measured BODY		Power Drift (dB)	Measured BODY	
						SAR1g (mW/g)	SAR10g (mW/g)		SAR1g (mW/g)	SAR10g (mW/g)
QT-5100 BELTMIC 100mW	20274	1	470	19.85	0.000	0.376	0.236	0.120	1.070	0.632
		2	489	19.96				0.200	0.752	0.441
		3	508	16.97				0.180	0.565	0.332
		4	526	19.91				0.190	0.556	0.330
		5	545	20.01				0.190	0.518	0.307

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 BeltMic 470MHz 100mW Front-20274.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20274

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 57.603$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.87 W/kg

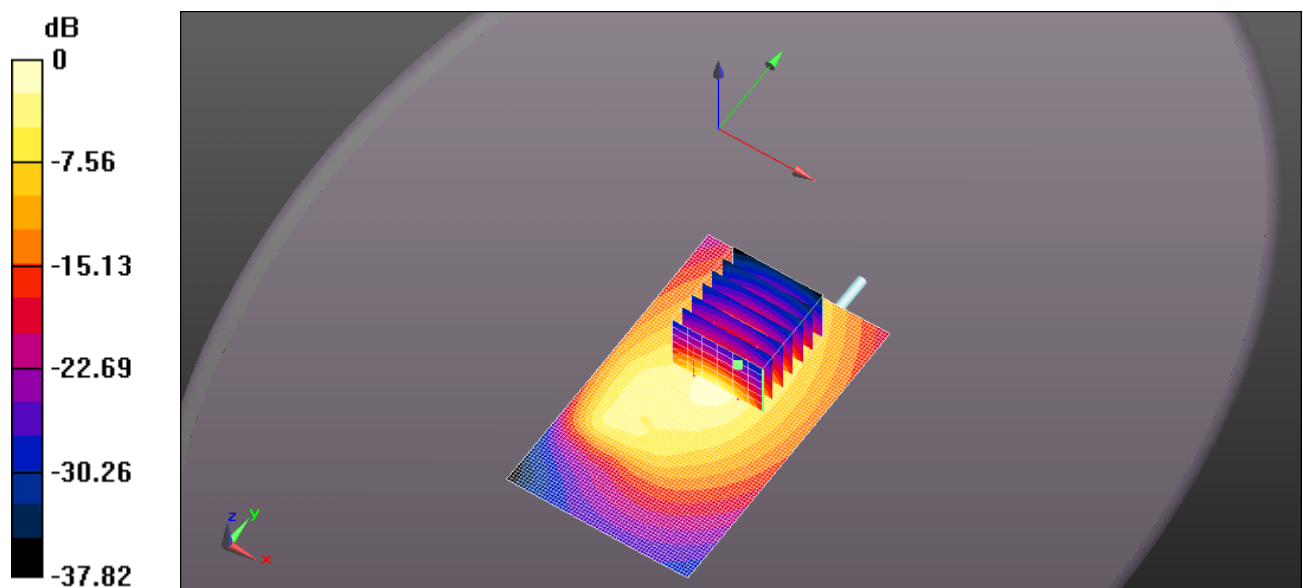
Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.80 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.07 W/kg ; SAR(10 g) = 0.632 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.87 W/kg = 2.73 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 BeltMic 470MHz 100mW Back-20274.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20274

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.603$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.700 W/kg

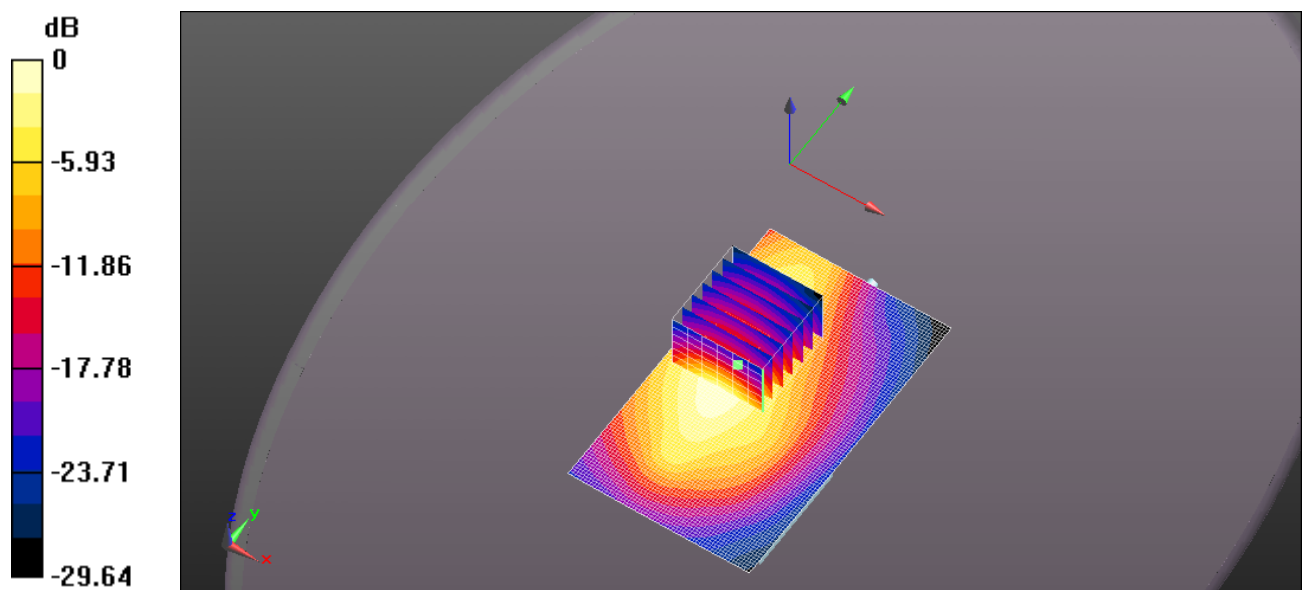
Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.608 V/m; Power Drift = -0.46 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.236 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.438 W/kg



0 dB = 0.700 W/kg = -1.55 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 BeltMic 489MHz 100mW Front-20274.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20274

Communication System: UID 0, CW (0); Frequency: 489 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 489 \text{ MHz}$; $\sigma = 0.943 \text{ S/m}$; $\epsilon_r = 57.254$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.30 W/kg

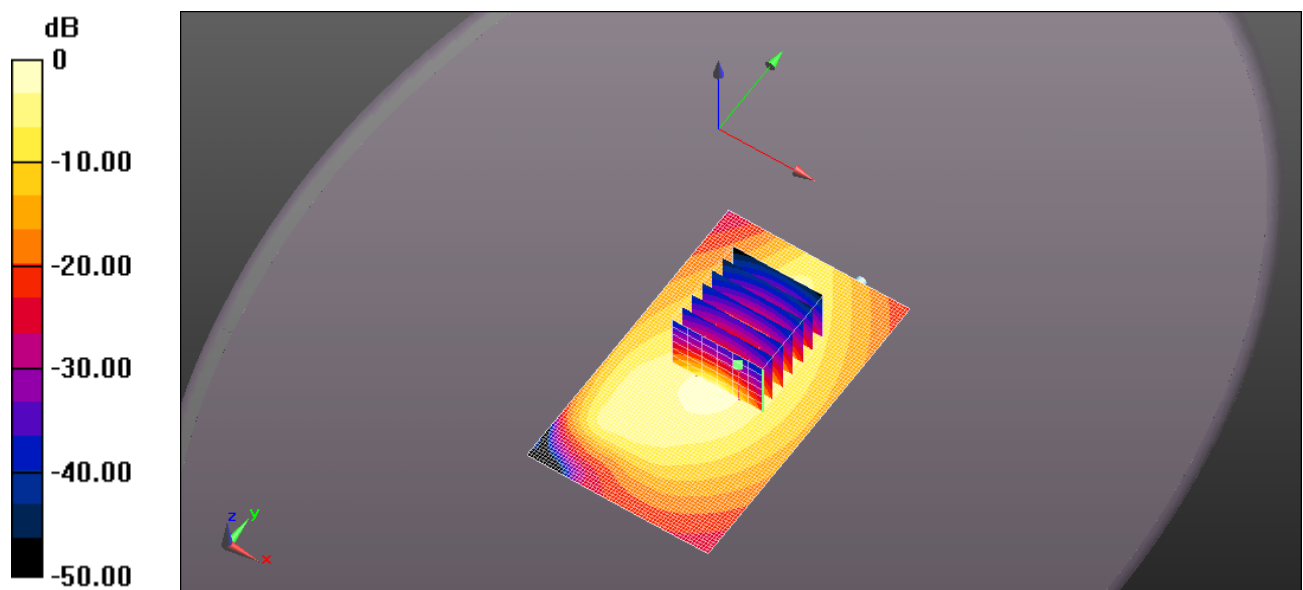
Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.32 V/m ; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.752 W/kg ; SAR(10 g) = 0.441 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.929 W/kg



Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 BeltMic 508MHz 100mW Front-20274.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20274

Communication System: UID 0, CW (0); Frequency: 508 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 508 \text{ MHz}$; $\sigma = 0.958 \text{ S/m}$; $\epsilon_r = 56.963$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.974 W/kg

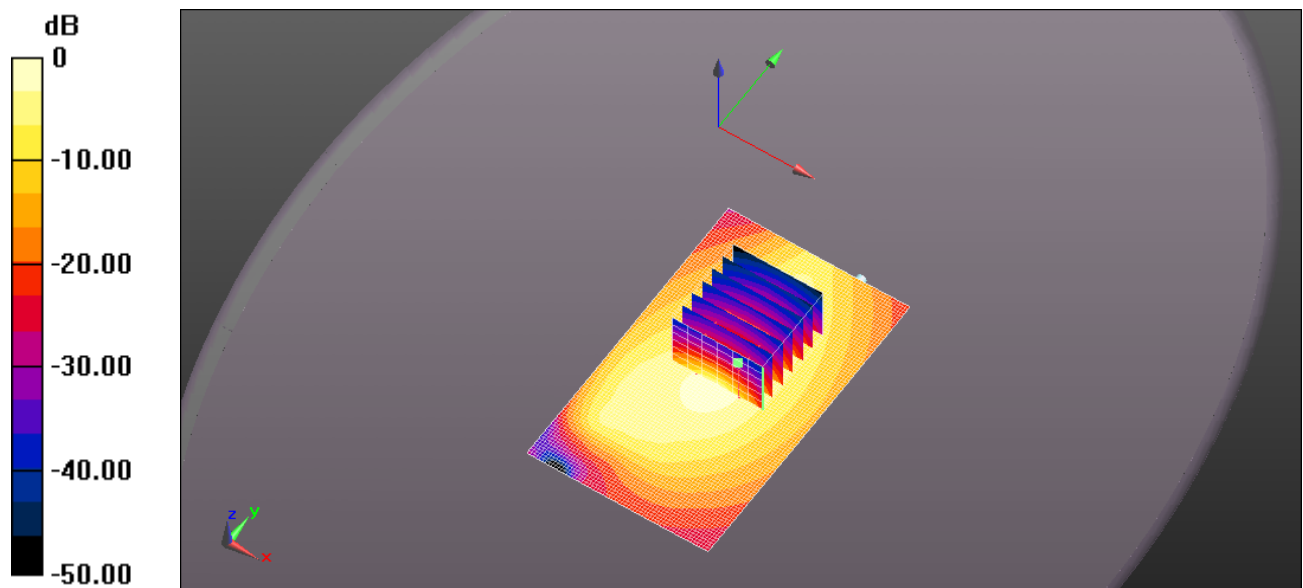
Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.01 V/m ; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.565 W/kg ; SAR(10 g) = 0.332 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.703 W/kg



0 dB = 0.974 W/kg = -0.12 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 BeltMic 526MHz 100mW Front-20274.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20274

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526$ MHz; $\sigma = 0.975$ S/m; $\epsilon_r = 56.757$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.931 W/kg

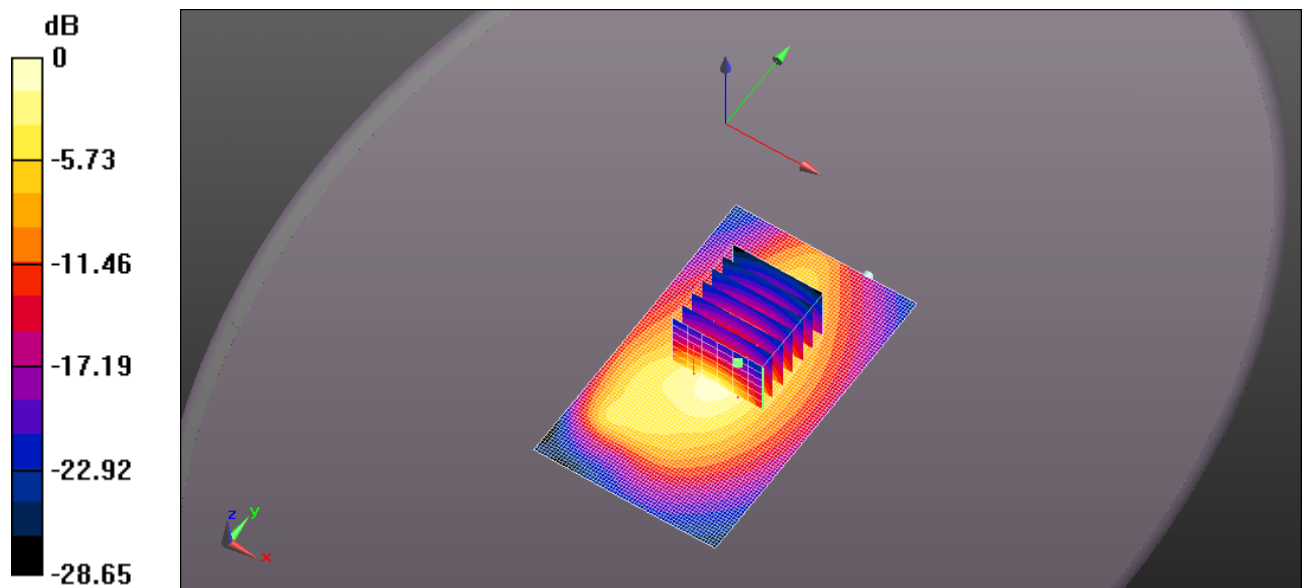
Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.37 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.330 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.686 W/kg



0 dB = 0.931 W/kg = -0.31 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 BeltMic 545MHz 100mW Front-20274.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20274

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 56.57$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.875 W/kg

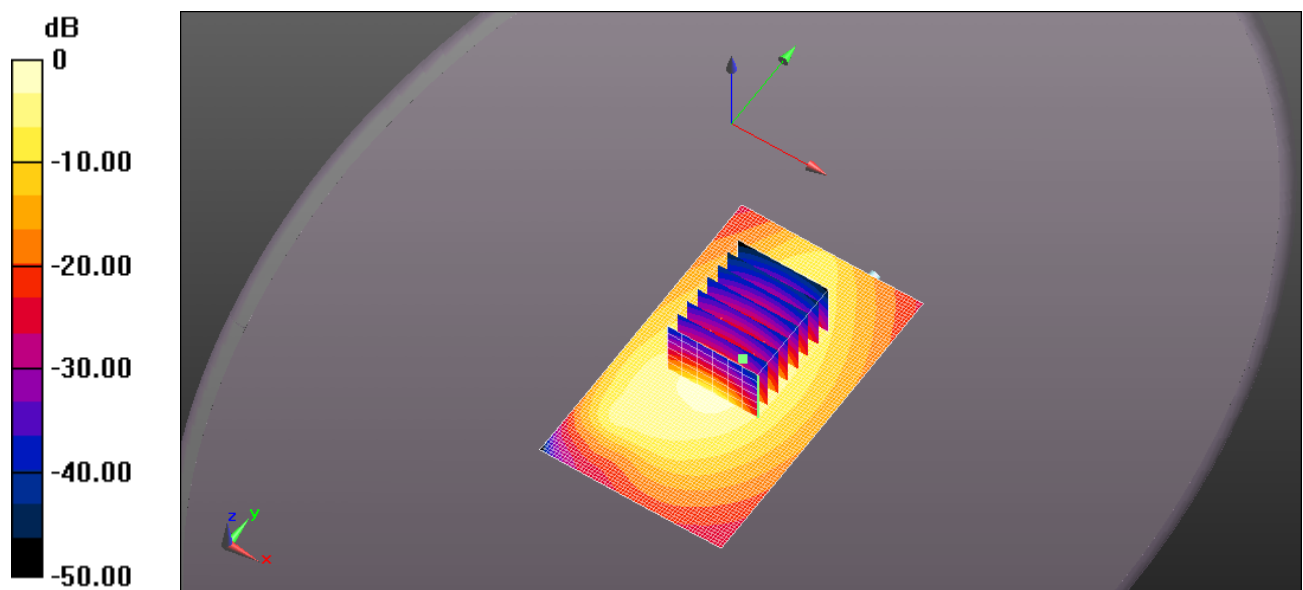
Configuration_Body_Q5X QT-5100 BeltMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x8x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.35 V/m ; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.518 W/kg ; SAR(10 g) = 0.307 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.658 W/kg



0 dB = 0.875 W/kg = -0.58 dBW/kg

					Device Back Facing Phantom (Required Mounting Per User Manual)			Device Front Facing Phantom (Least antenna separation distance)		
Device Model	Device S/N	Channel	Frequency (MHz)	Power (dBm)	Power Drift (dB)	Measured BODY		Power Drift (dB)	Measured BODY	
						SAR1g (mW/g)	SAR10g (mW/g)		SAR1g (mW/g)	SAR10g (mW/g)
QT-5100 REFMIC 100mW	20268	1	470	20.12	0.070	0.768	0.484	0.130	0.941	0.561
		2	489	19.93				0.140	0.567	0.337
		3	508	20.16				0.140	0.521	0.317
		4	526	20.01				0.180	0.460	0.281
		5	545	19.84				0.210	0.390	0.238

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMic 470MHz 100mW Front-20268.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20268

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.603$; $\rho = 1000$ kg/m³ ; Phantom section: Flat
Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.58 W/kg

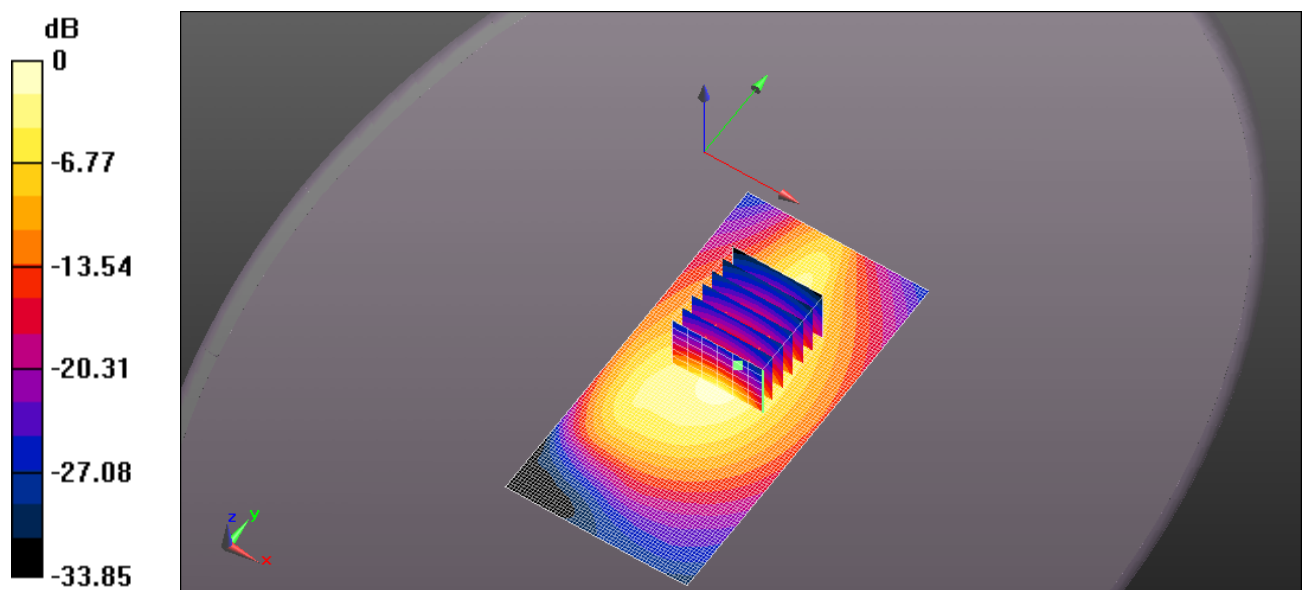
Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.19 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.561 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.15 W/kg



Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMic 470MHz 100mW Back-20268-2.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20268

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.603$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

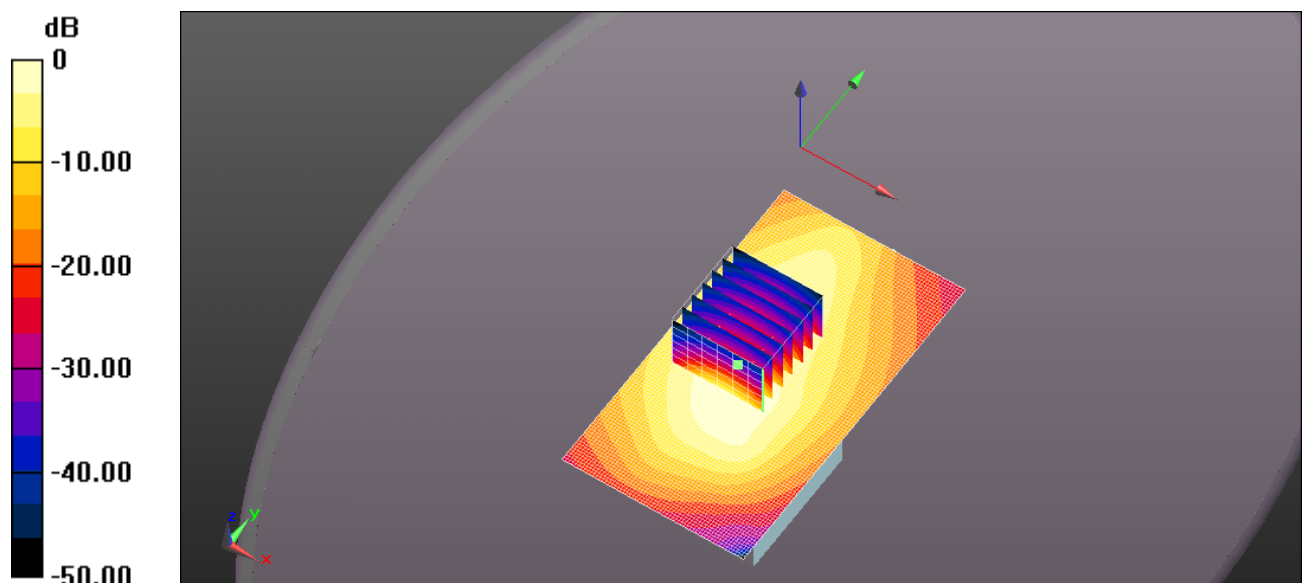
Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.625 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.484 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.914 W/kg



0 dB = 1.22 W/kg = 0.87 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMic 489MHz 100mW Front-20268.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20268

Communication System: UID 0, CW (0); Frequency: 489 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 489$ MHz; $\sigma = 0.943$ S/m; $\epsilon_r = 57.254$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.967 W/kg

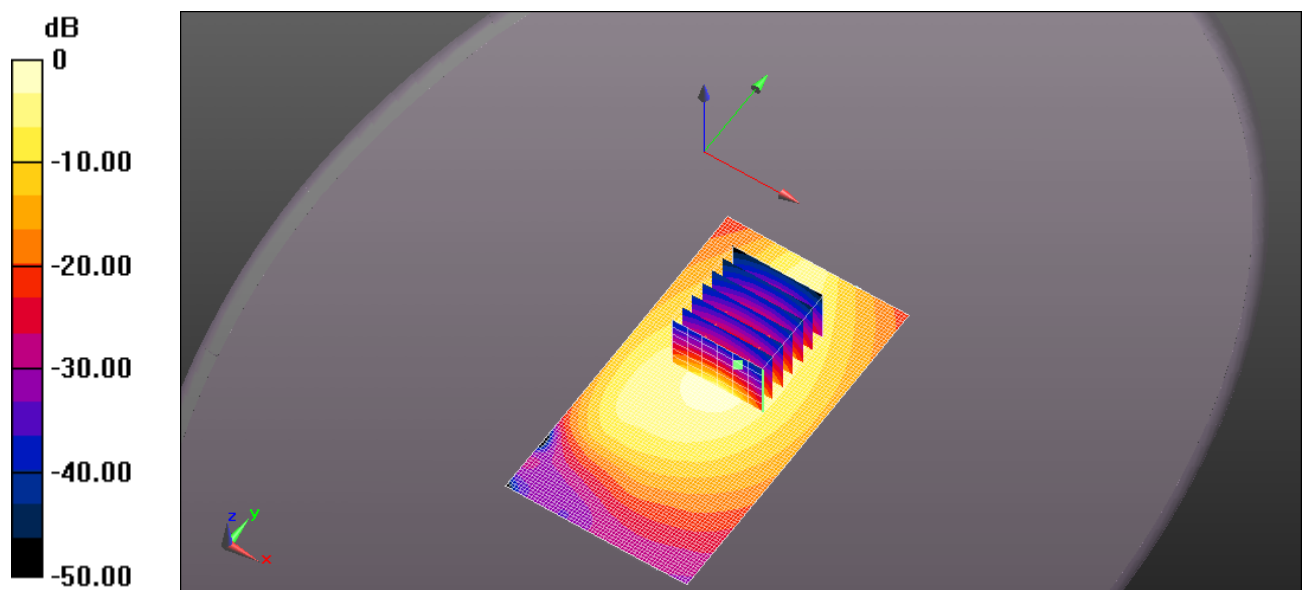
Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.85 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.337 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.702 W/kg



0 dB = 0.967 W/kg = -0.15 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMic 508MHz 100mW Front-20268.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20268

Communication System: UID 0, CW (0); Frequency: 508 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 508 \text{ MHz}$; $\sigma = 0.958 \text{ S/m}$; $\epsilon_r = 56.963$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x111x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.884 W/kg

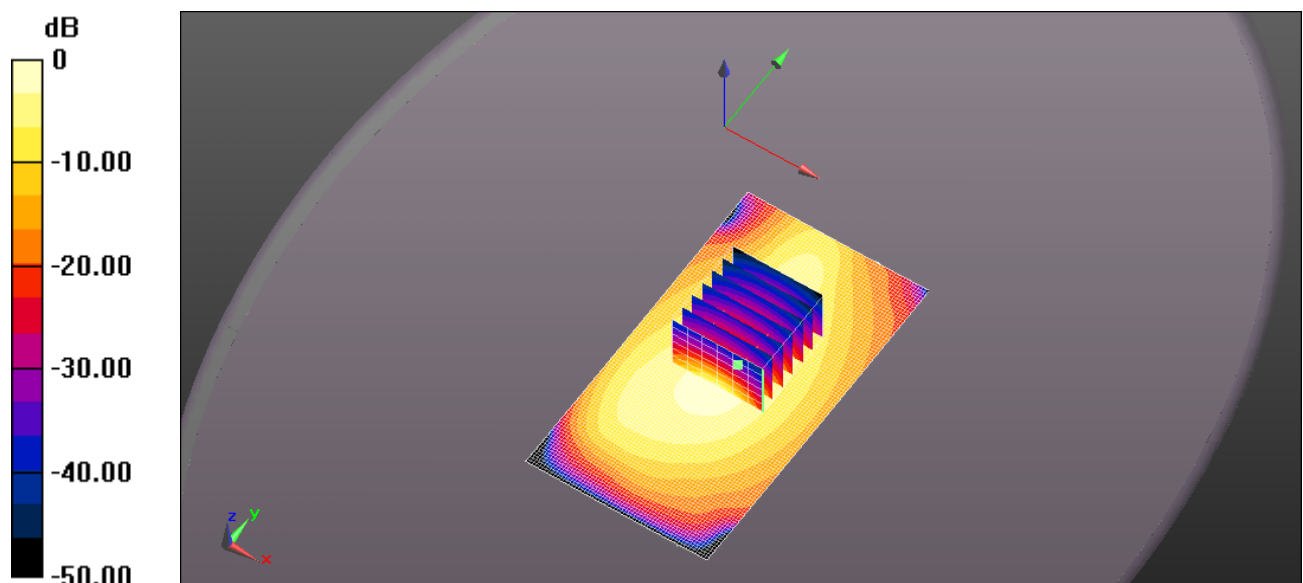
Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.20 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.904 W/kg

SAR(1 g) = 0.521 W/kg ; SAR(10 g) = 0.317 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.642 W/kg



0 dB = 0.884 W/kg = -0.53 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMic 526MHz 100mW Front-20268.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20268

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526$ MHz; $\sigma = 0.975$ S/m; $\epsilon_r = 56.757$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.770 W/kg

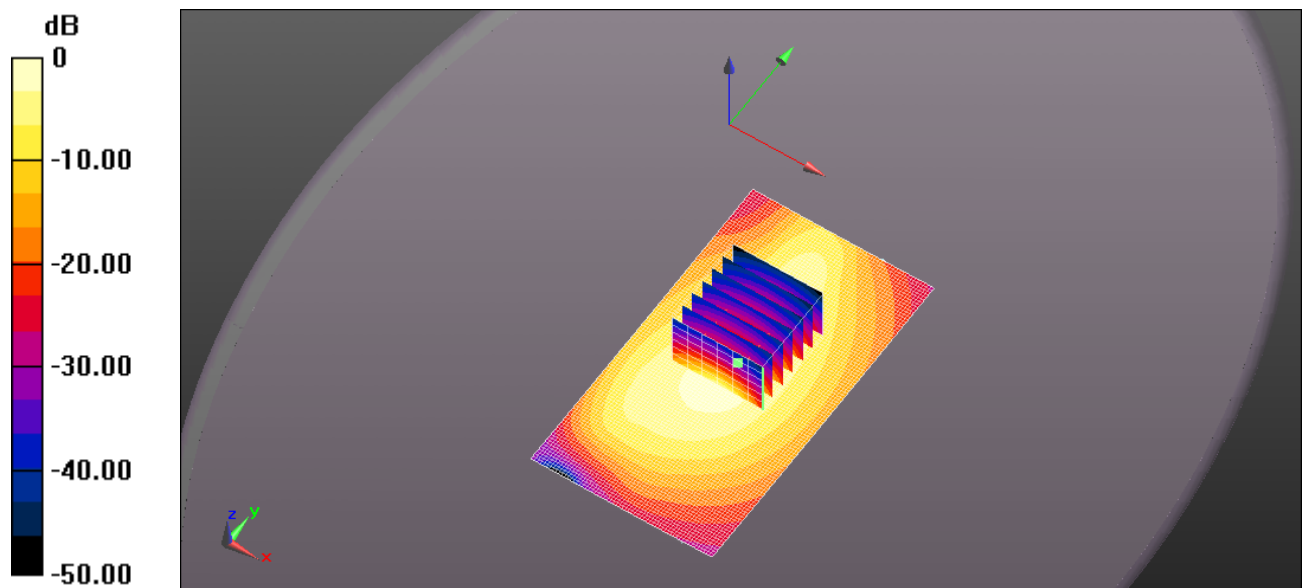
Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.67 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.808 W/kg

SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.281 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.576 W/kg



0 dB = 0.770 W/kg = -1.14 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMic 545MHz 100mW Front-20268.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20268

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 56.57$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x111x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.661 W/kg

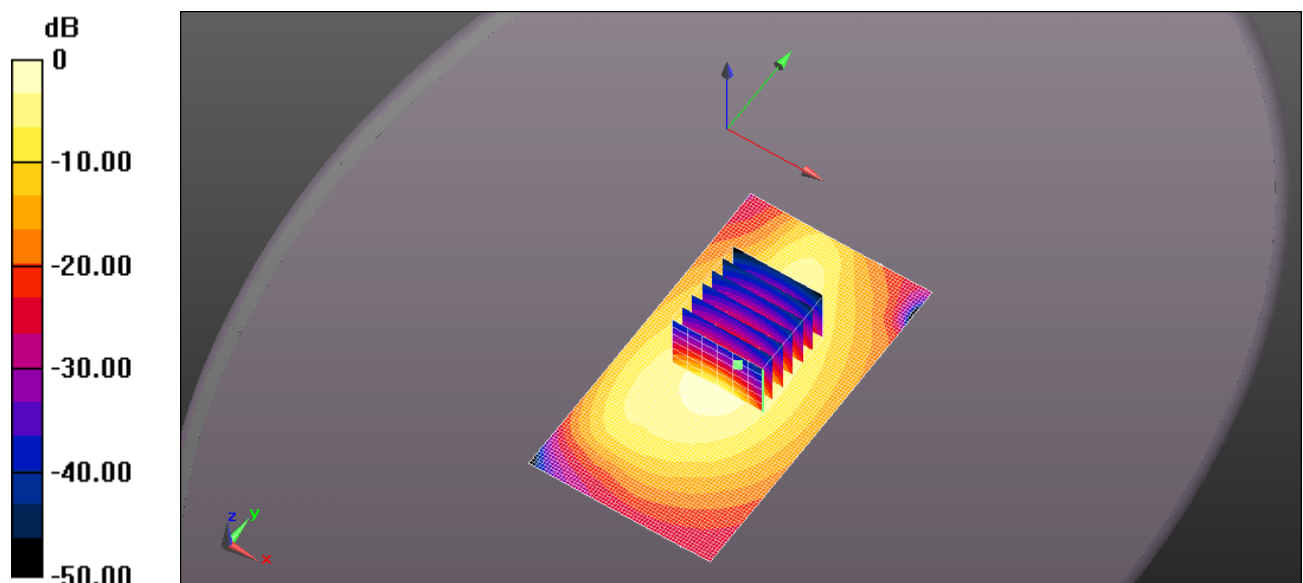
Configuration_Body_Q5X QT-5100 RefMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.11 V/m ; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 0.697 W/kg

SAR(1 g) = 0.390 W/kg ; SAR(10 g) = 0.238 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.496 W/kg



0 dB = 0.661 W/kg = -1.80 dBW/kg

Wireless Microphone Audio Transmitter, M/N:QT-5100A

					Device Back Facing Phantom (Required Mounting Per User Manual)			Device Front Facing Phantom (Least antenna separation distance)		
Device Model	Device S/N	Channel	Frequency (MHz)	Power (dBm)	Power Drift (dB)	Measured BODY		Power Drift (dB)	Measured BODY	
						SAR1g (mW/g)	SAR10g (mW/g)		SAR1g (mW/g)	SAR10g (mW/g)
QT-5100 REFMICH 100mW	20271(250mW)	1	470	24.02				0.260	1.120	0.720
		2	489	24.03				0.340	0.979	0.635
		3	508	23.89				0.230	1.130	0.728
		4	526	23.80	0.130	0.686	0.436	0.130	1.290	0.841
		5	545	24.00	0.170	0.770	0.490	0.190	1.240	0.803

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMicHD 470MHz 250mW Front-20271.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20271

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.603$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.75 W/kg

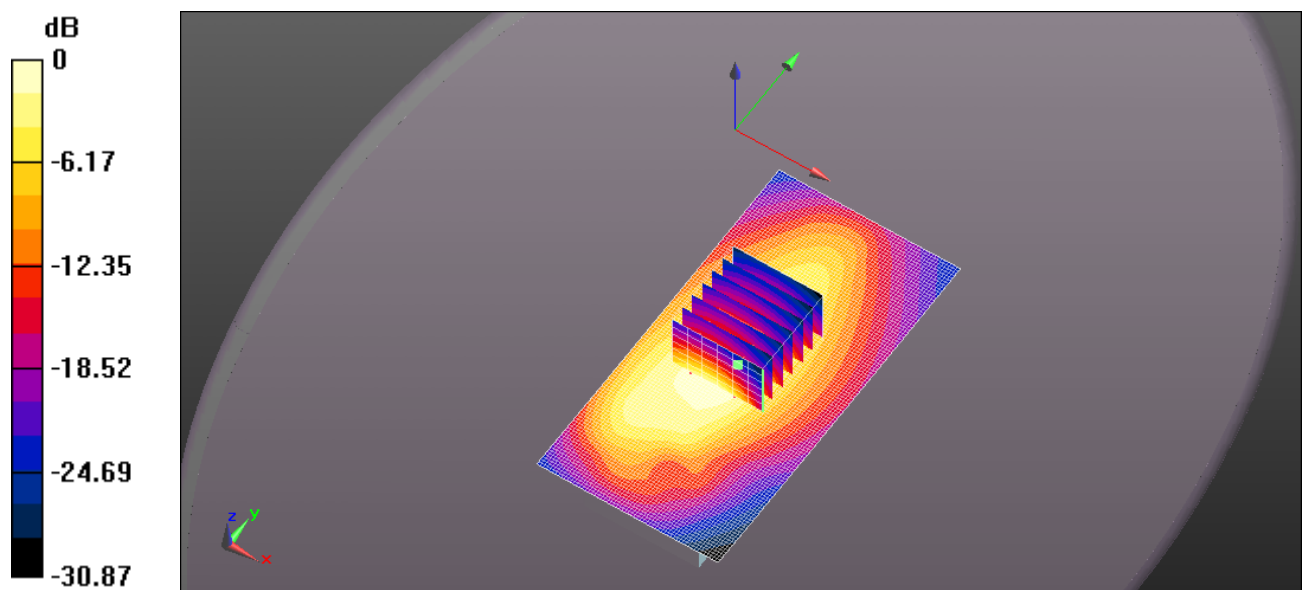
Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.26 V/m; Power Drift = 0.26 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.720 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.75 W/kg = 2.42 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMicHD 489MHz 250mW Front-20271.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20271

Communication System: UID 0, CW (0); Frequency: 489 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 489 \text{ MHz}$; $\sigma = 0.943 \text{ S/m}$; $\epsilon_r = 57.254$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.55 W/kg

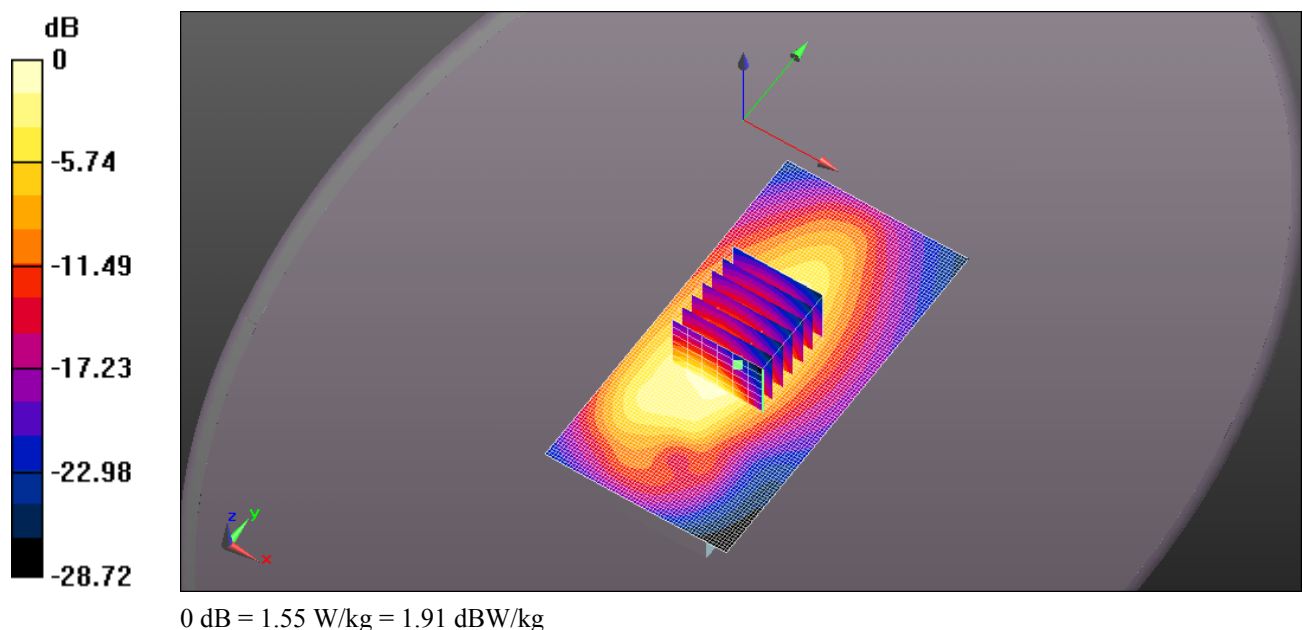
Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.76 V/m ; Power Drift = 0.34 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.979 W/kg ; SAR(10 g) = 0.635 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.15 W/kg



Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMicHD 508MHz 250mW Front-20271.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20271

Communication System: UID 0, CW (0); Frequency: 508 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 508$ MHz; $\sigma = 0.958$ S/m; $\epsilon_r = 56.963$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.72 W/kg

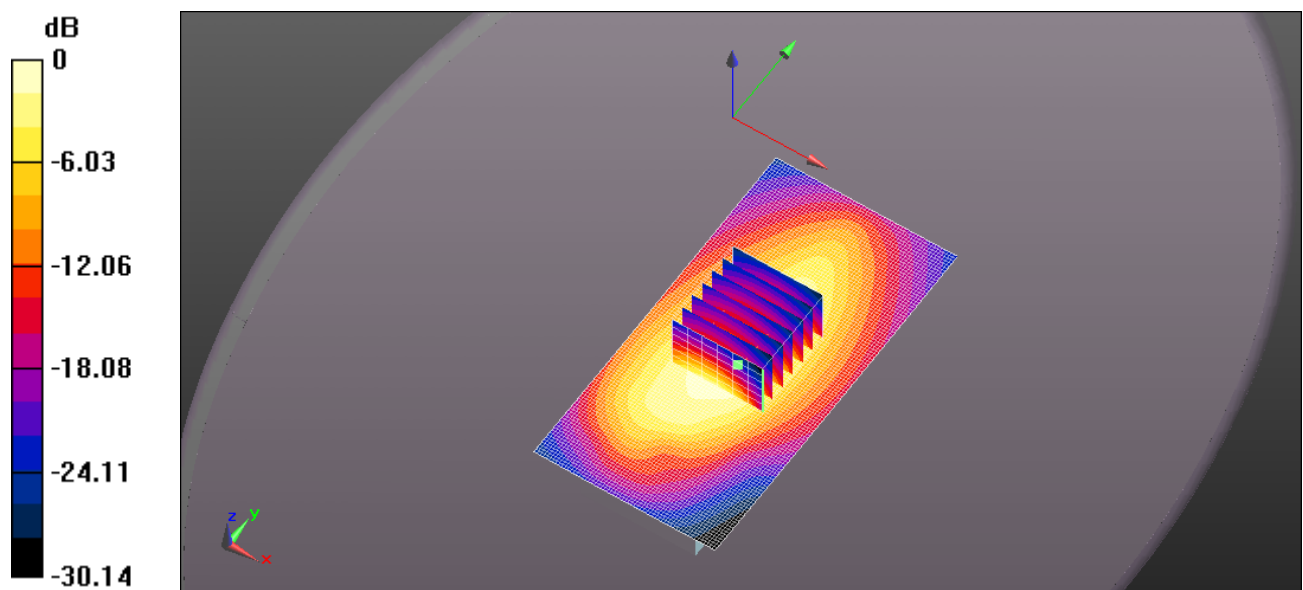
Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.65 V/m; Power Drift = 0.23 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.728 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.72 W/kg = 2.35 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMicHD 526MHz 250mW Front-20271.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20271

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526$ MHz; $\sigma = 0.975$ S/m; $\epsilon_r = 56.757$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.93 W/kg

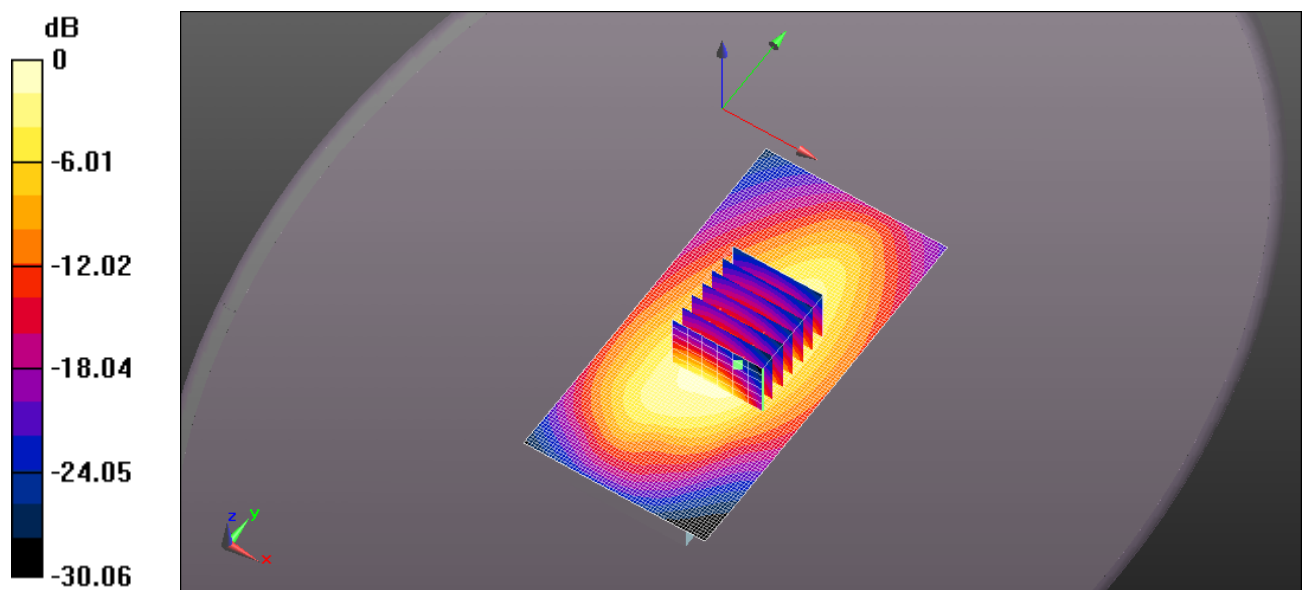
Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 38.42 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.841 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.93 W/kg = 2.86 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMicHD 526MHz 250mW Back-20271.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20271

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526 \text{ MHz}$; $\sigma = 0.975 \text{ S/m}$; $\epsilon_r = 56.757$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Back, P=250mW, d=0mm/Area Scan (71x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.12 W/kg

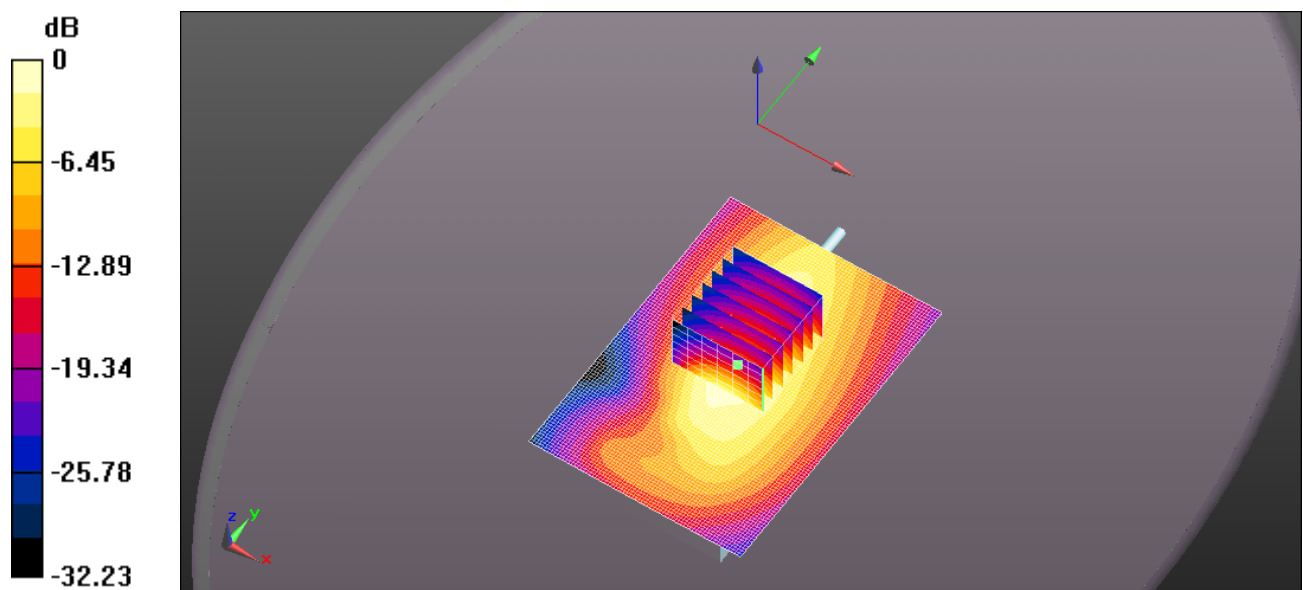
Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Back, P=250mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.01 V/m ; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.686 W/kg ; SAR(10 g) = 0.436 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.835 W/kg



0 dB = 1.12 W/kg = 0.51 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMicHD 545MHz 250mW Front-20271.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20271

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 56.57$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.88 W/kg

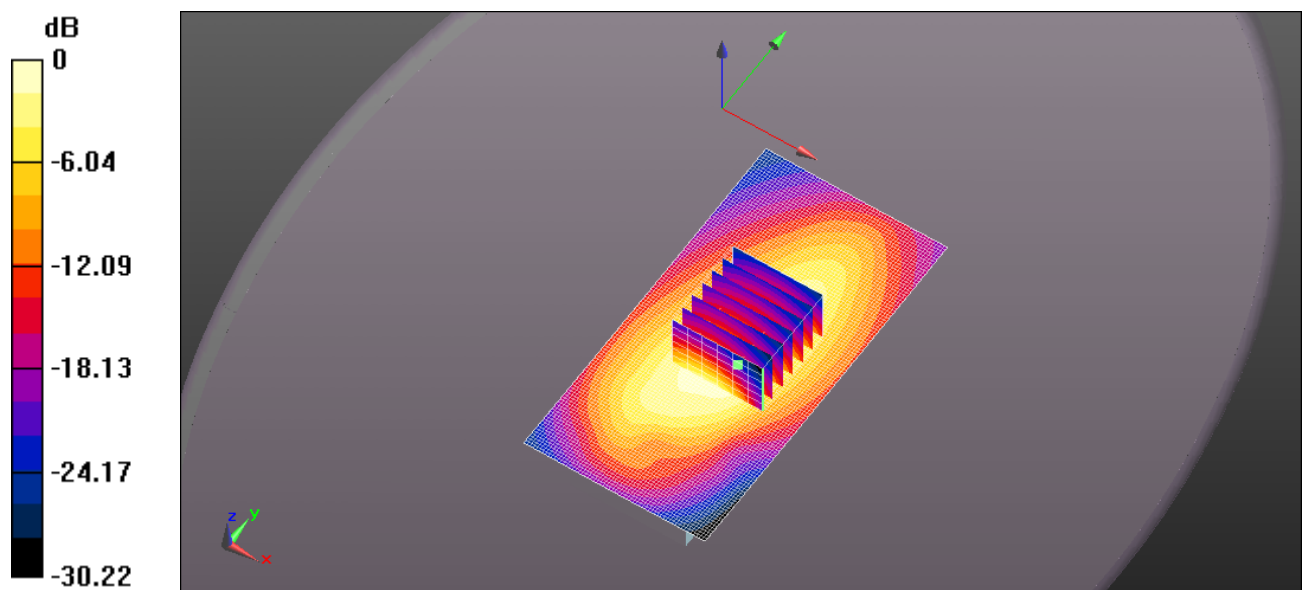
Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Front, P=250mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.10 V/m ; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.24 W/kg ; SAR(10 g) = 0.803 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.51 W/kg



0 dB = 1.88 W/kg = 2.74 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 RefMicHD 545MHz 250mW Back-20271.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20271

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 56.57$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Back, P=250mW, d=0mm/Area Scan (71x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.26 W/kg

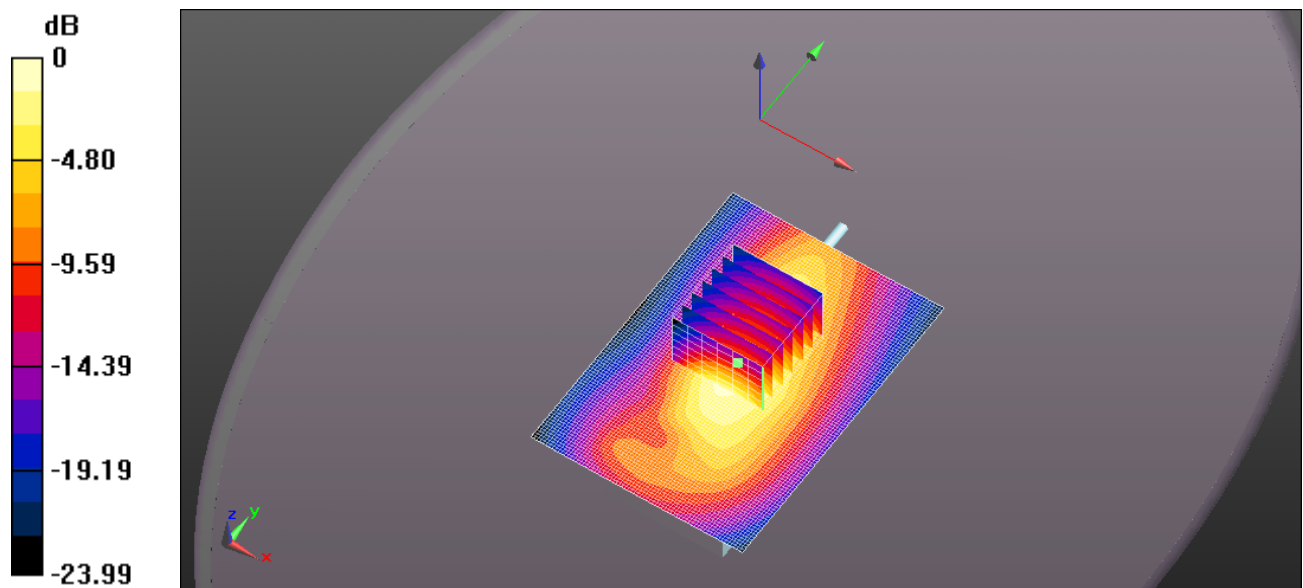
Configuration_Body_Q5X QT-5100 RefMicHD Low Band 470-545MHz 250mW/Body Back, P=250mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.32 V/m ; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.770 W/kg ; SAR(10 g) = 0.490 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.948 W/kg



0 dB = 1.26 W/kg = 1.02 dBW/kg

Wireless Microphone Audio Transmitter, M/N:QT-5100A

					Device Back Facing Phantom (Required Mounting Per User Manual)			Device Front Facing Phantom (Least antenna separation distance)		
					Power Drift (dB)	Measured BODY		Power Drift (dB)	Measured BODY	
Device Model	Device S/N	Channel	Frequency (MHz)	Power (dBm)		SAR1g (mW/g)	SAR10g (mW/g)		SAR1g (mW/g)	SAR10g (mW/g)
QT-5100 AquaMic 100mW	20300	1	470	19.96	0.210	0.892	0.574	0.190	0.944	0.565
		2	489	20.08				0.230	0.816	0.473
		3	508	19.94				0.220	0.678	0.398
		4	526	20.03				0.230	0.637	0.376
		5	545	19.95				0.260	0.626	0.370

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 AquaMic 470MHz 100mW Front-20300.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20300

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.603$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.56 W/kg

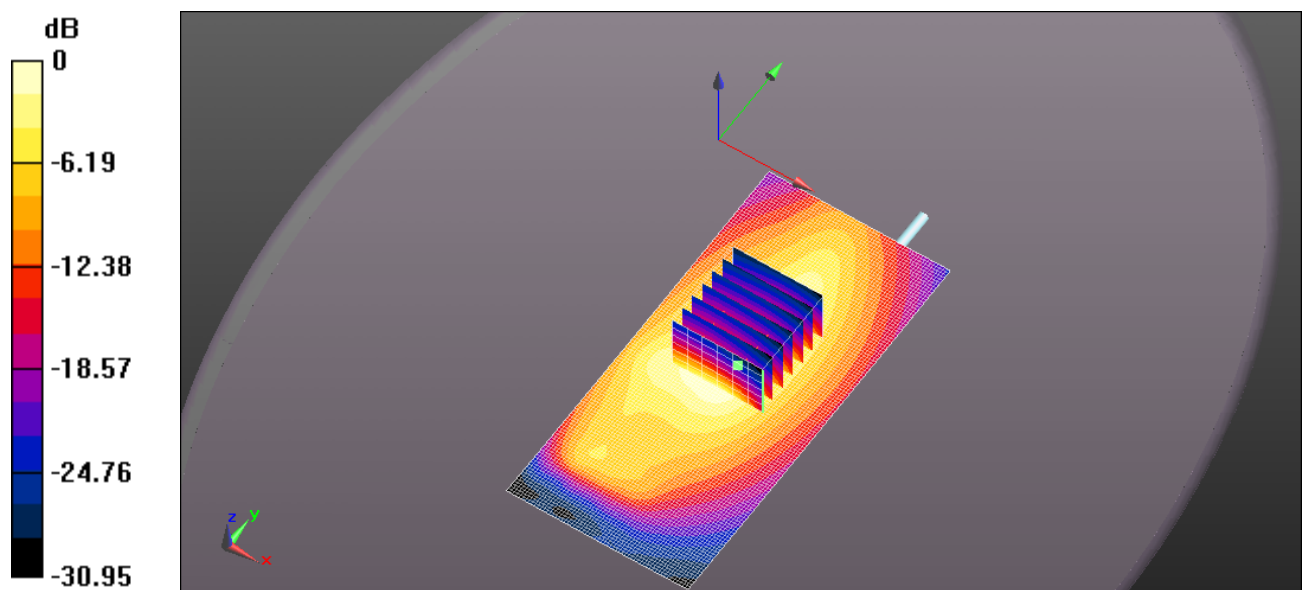
Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.55 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.565 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.56 W/kg = 1.92 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 AquaMic 470MHz 100mW Back-20300.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20300

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.603$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

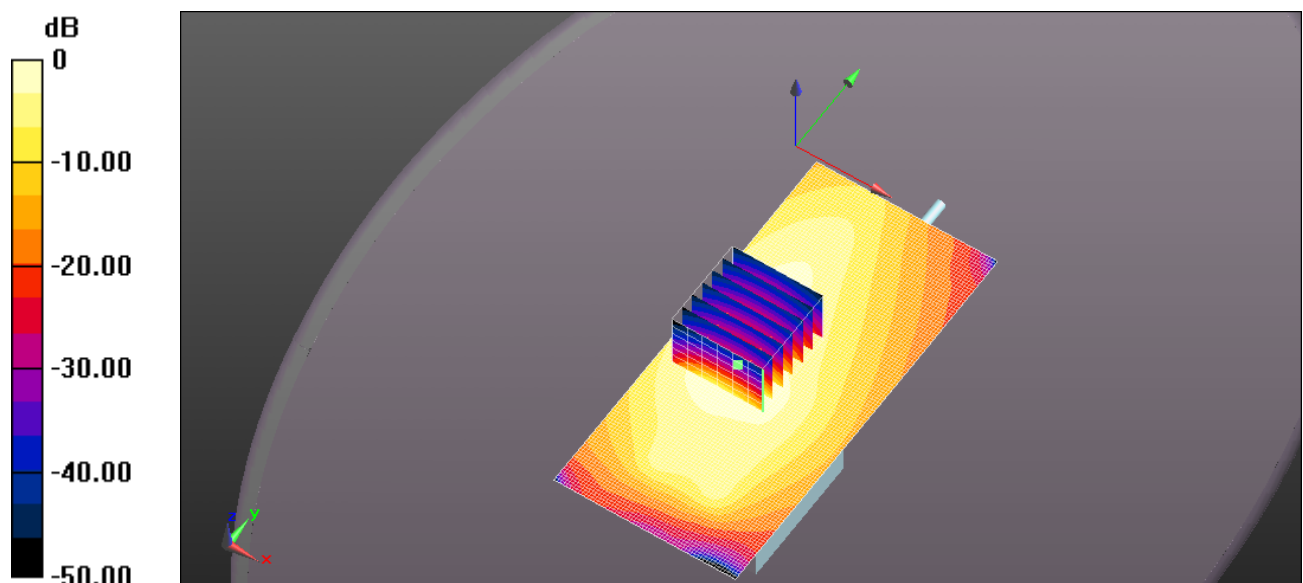
Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Back, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.79 V/m; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.574 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.28 W/kg = 1.06 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 AquaMic 489MHz 100mW Front-20300.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20300

Communication System: UID 0, CW (0); Frequency: 489 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 489$ MHz; $\sigma = 0.943$ S/m; $\epsilon_r = 57.254$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.36 W/kg

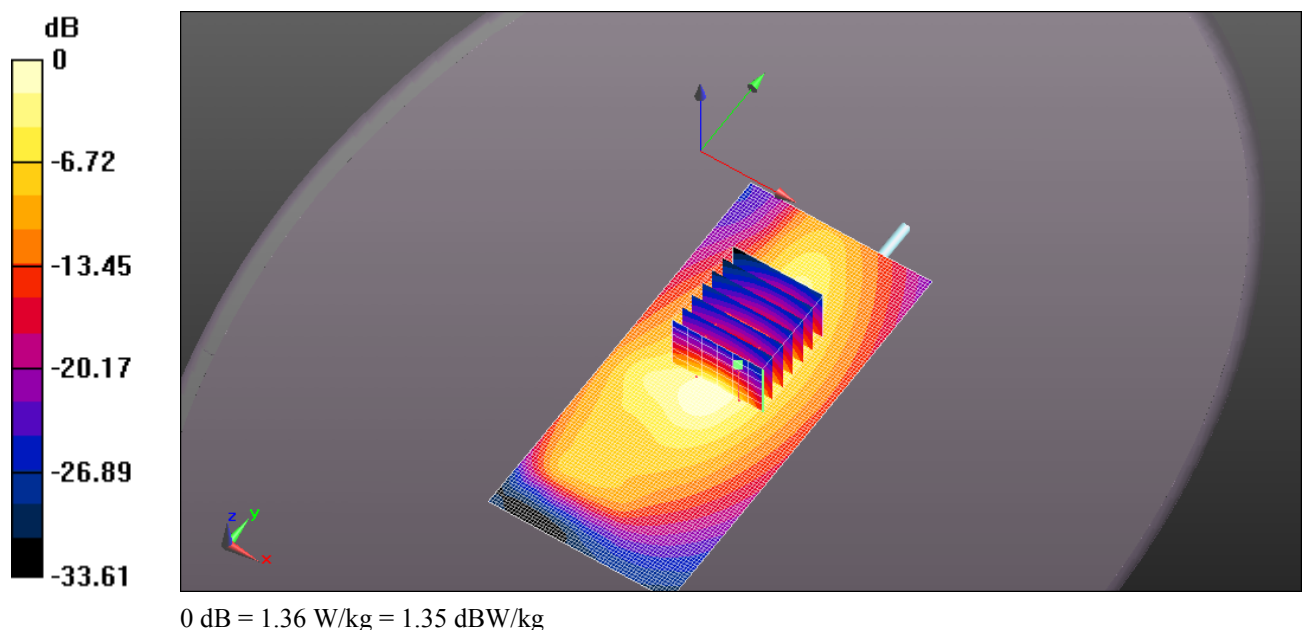
Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.27 V/m; Power Drift = 0.23 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.816 W/kg; SAR(10 g) = 0.473 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.00 W/kg



Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 AquaMic 508MHz 100mW Front-20300.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20300

Communication System: UID 0, CW (0); Frequency: 508 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 508 \text{ MHz}$; $\sigma = 0.958 \text{ S/m}$; $\epsilon_r = 56.963$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.12 W/kg

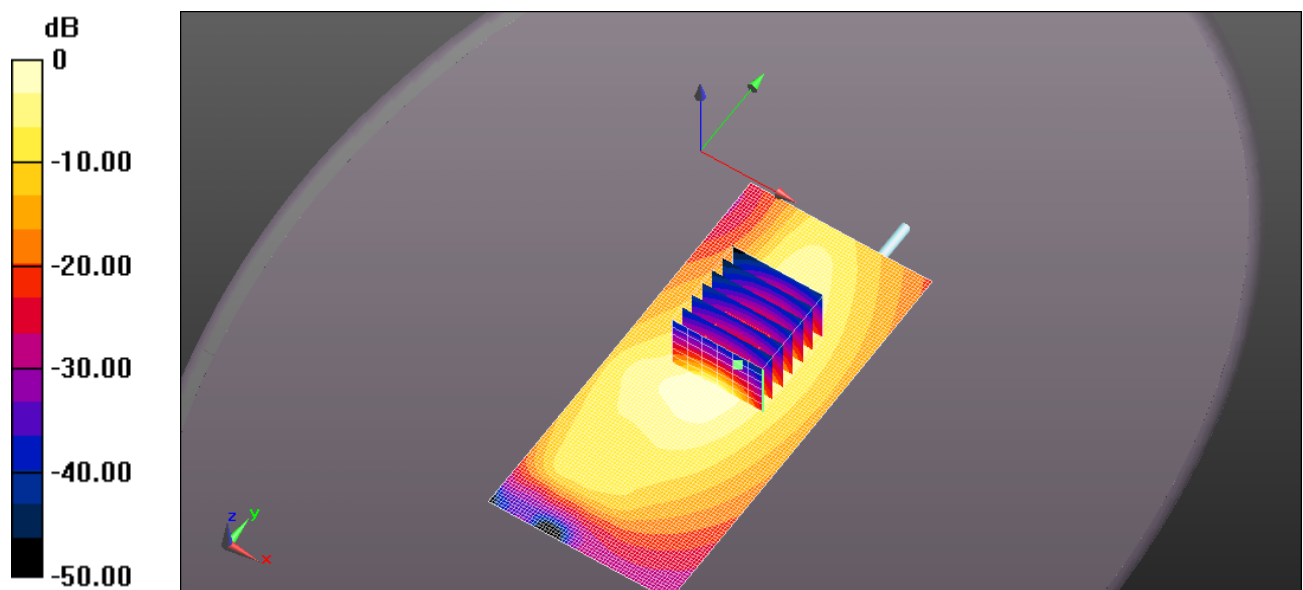
Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.13 V/m; Power Drift = 0.22 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.398 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.832 W/kg



0 dB = 1.12 W/kg = 0.48 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 AquaMic 526MHz 100mW Front-20300.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20300

Communication System: UID 0, CW (0); Frequency: 526 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 526 \text{ MHz}$; $\sigma = 0.975 \text{ S/m}$; $\epsilon_r = 56.757$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.06 W/kg

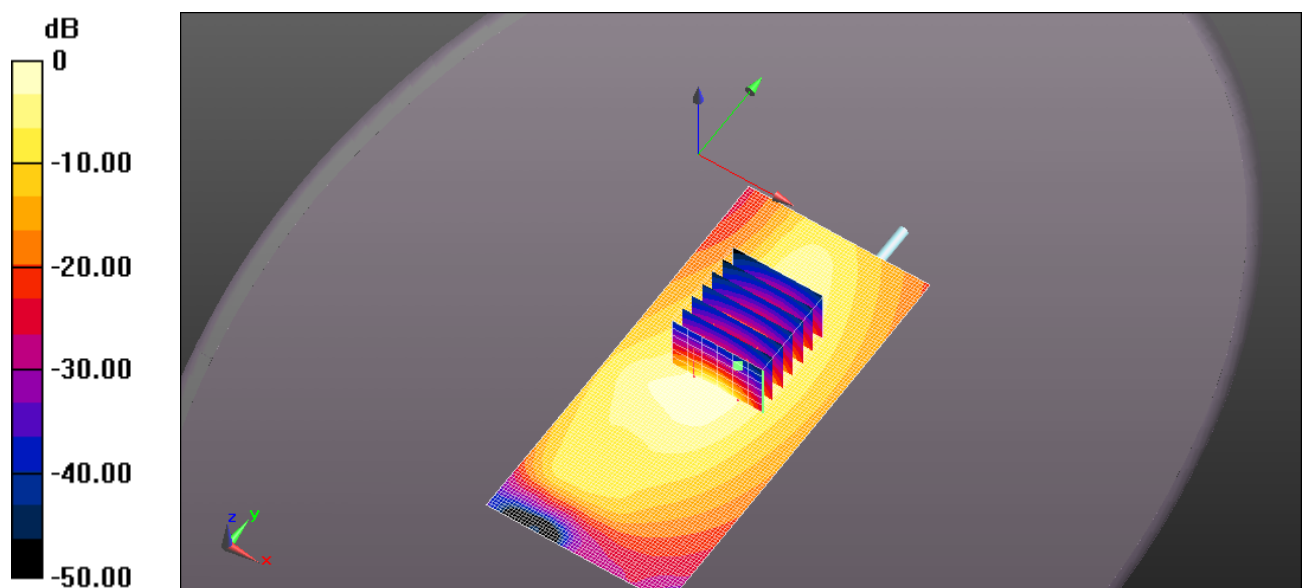
Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.22 V/m ; Power Drift = 0.23 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.637 W/kg ; SAR(10 g) = 0.376 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.791 W/kg



0 dB = 1.06 W/kg = 0.24 dBW/kg

Test Laboratory: Ultratech Group of Labs

File Name: [Q5X-064Q QT-5100 AquaMic 545MHz 100mW Front-20300.da52:0](#)

DUT: QT-5100; Type: UHF Transmitter; Serial: 20300

Communication System: UID 0, CW (0); Frequency: 545 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 545 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 56.57$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/21/2017
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.04 W/kg

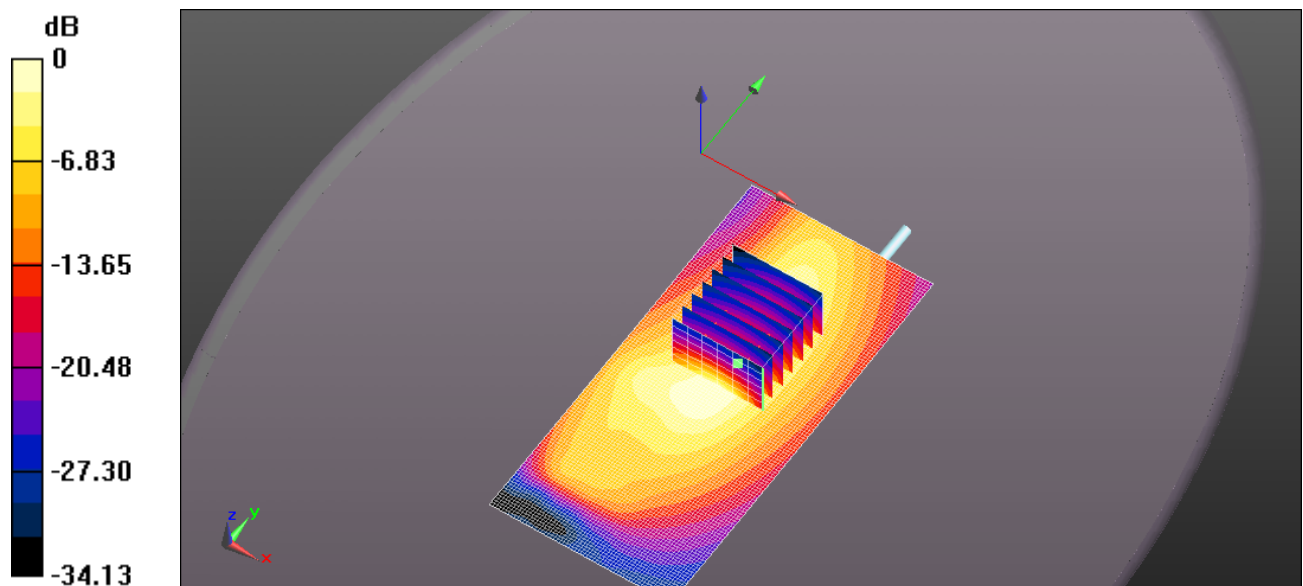
Configuration_Body_Q5X QT-5100 AquaMic Low Band 470-545MHz 100mW/Body Front, P=100mW, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.65 V/m; Power Drift = 0.26 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.626 W/kg; SAR(10 g) = 0.370 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.800 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg