

APPENDIX 1

SAR Measurement Data

TABLE OF CONTENTS

EXHIBIT 1. SYSTEM VERIFICATION 3

EXHIBIT 2. PRESCAN 10

EXHIBIT 3. HEAD SAR MEASUREMENT 24

EXHIBIT 4. BODY SAR MEASUREMENT 48

EXHIBIT 1. SYSTEM VERIFICATION

	Type	Frequency (MHz)	SAR1g			SAR10g		
			Reference (W/kg)	Measured	Delta %	Reference (W/kg)	Measured	Delta %
Bluetooth	Head	150	3.91	3.95	0.01	2.65	2.58	-0.03
	Body	150	4.12	4.02	-0.02	2.77	2.62	-0.05
	Head	150	3.91	3.44	-0.12	2.65	2.22	-0.16
	Body	150	4.12	4.21	0.02	2.77	2.77	0.00
	Body	2450	12.7	12.3	-3.15%	6.03	6.16	2.16%
	Head	2450	13.3	13	-2.26%	6.26	6.49	3.67%

File Name: [Sys.Ver.Check-D150MHz ICOM-641Q Head.da52:0](#)

DUT: CLA-150 - SN4006; Type: CLA-150; Serial: SN4006

Communication System: UID 10000, CW; Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 52.941$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

CLA Calibration for HSL-LF Tissue_CLA150/touch configuration, Pin=1W (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.13 V/m; Power Drift = 0.24 dB

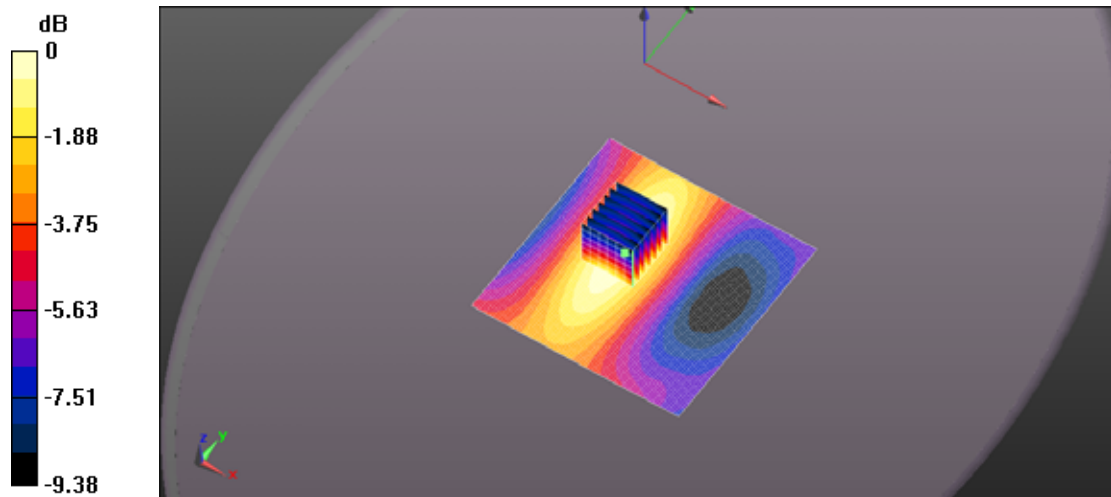
Peak SAR (extrapolated) = 6.62 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.58 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.54 W/kg

CLA Calibration for HSL-LF Tissue_CLA150/touch configuration, Pin=1W (EX-Probe)/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.58 W/kg



0 dB = 4.54 W/kg = 6.57 dBW/kg

File Name: [Sys.Ver.Check-D150MHz ICOM-641Q Head 21 May 2026.da52:0](#)

DUT: CLA-150 - SN4006; Type: CLA-150; Serial: SN4006

Communication System: UID 10000, CW; Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 52.941$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

CLA Calibration for HSL-LF Tissue_CLA150/touch configuration, Pin=1W (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.45 V/m; Power Drift = -0.06 dB

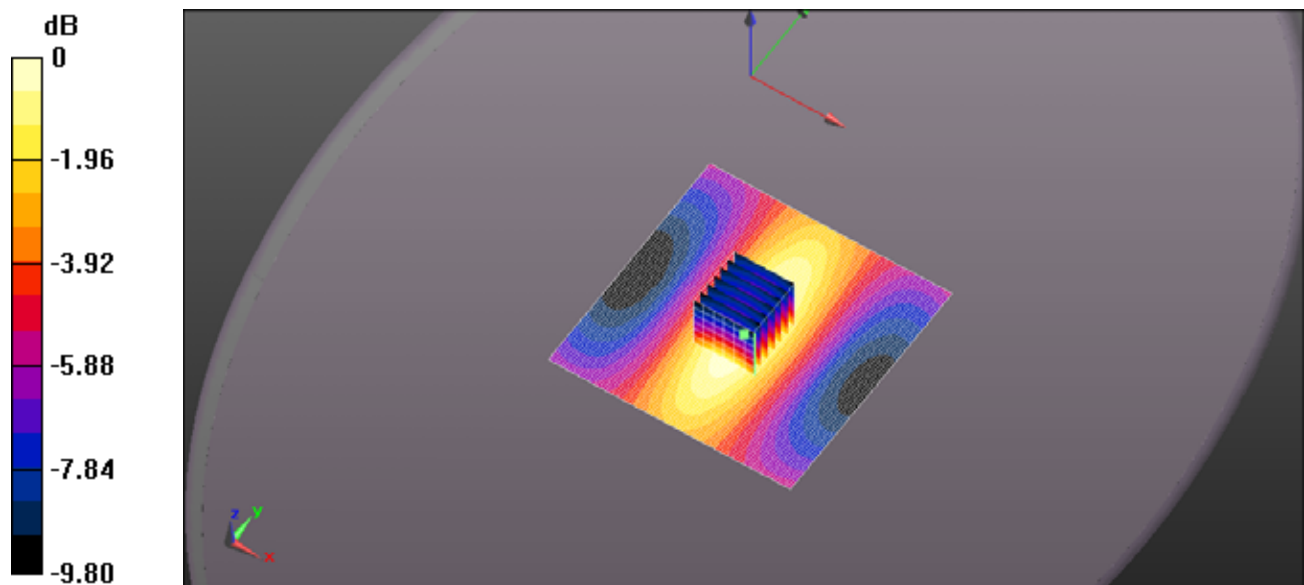
Peak SAR (extrapolated) = 5.87 W/kg

SAR(1 g) = 3.44 W/kg; SAR(10 g) = 2.22 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.98 W/kg

CLA Calibration for HSL-LF Tissue_CLA150/touch configuration, Pin=1W (EX-Probe)/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.98 W/kg



0 dB = 3.98 W/kg = 6.00 dBW/kg

File Name: [Sys.Ver.Check-D150MHz ICOM-641Q body.da52:0](#)

DUT: CLA-150 - SN4006; Type: CLA-150; Serial: SN4006

Communication System: UID 10000, CW; Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.778$ S/m; $\epsilon_r = 60.294$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

CLA Calibration for MSL-LF Tissue_CLA150/touch configuration, Pin=1W (ES-Probe)/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm
Reference Value = 77.06 V/m; Power Drift = -0.00 dB

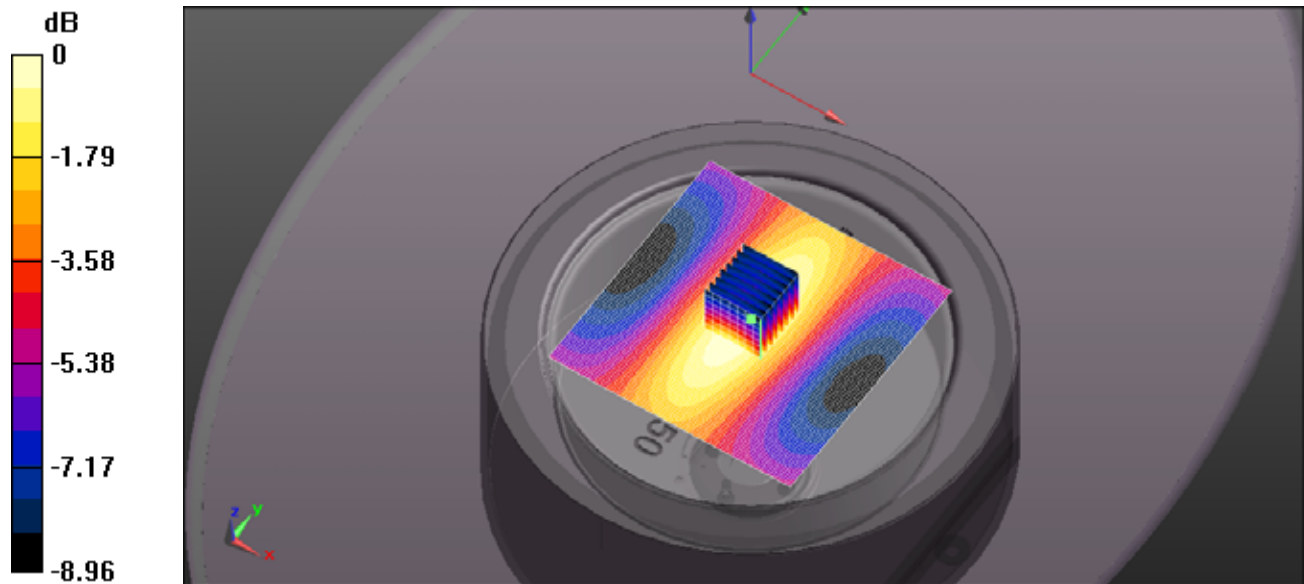
Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 4.02 W/kg; SAR(10 g) = 2.62 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.63 W/kg

CLA Calibration for MSL-LF Tissue_CLA150/touch configuration, Pin=1W (ES-Probe)/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.69 W/kg



0 dB = 4.63 W/kg = 6.66 dBW/kg

File Name: [Sys.Ver.Check-D150MHz ICOM-641Q body 25 May 2026.da52:0](#)

DUT: CLA-150 - SN4006; Type: CLA-150; Serial: SN4006

Communication System: UID 10000, CW; Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 62.049$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

CLA Calibration for MSL-LF Tissue_CLA150/touch configuration, Pin=1W (ES-Probe)/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm
Reference Value = 61.94 V/m; Power Drift = -0.31 dB

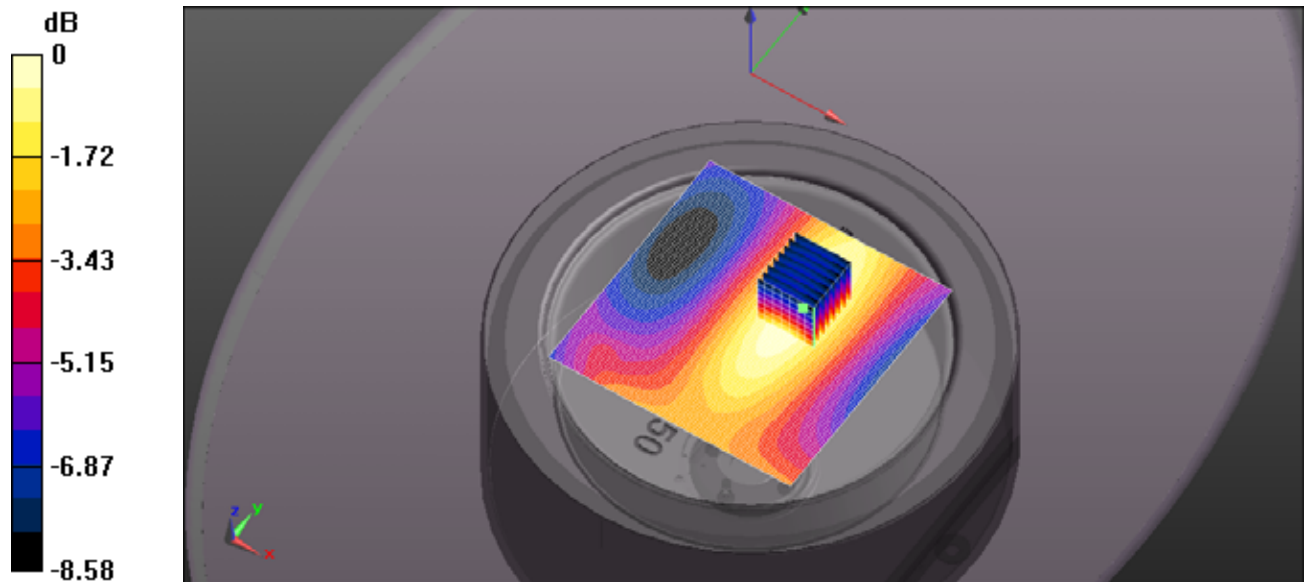
Peak SAR (extrapolated) = 7.22 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.77 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.76 W/kg

CLA Calibration for MSL-LF Tissue_CLA150/touch configuration, Pin=1W (ES-Probe)/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.77 W/kg



0 dB = 4.76 W/kg = 6.77 dBW/kg

File Name: System Verification - 2450MHz Body(ICOM-641) Final.da52:0

DUT: D2450V2 - SN821; Type: D2450V2; Serial: SN821

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 2.014$ S/m; $\epsilon_r = 50.857$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(4.48, 4.62, 4.50); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

System Verification at 2.45GHz_Body/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 66.67 V/m; Power Drift = 0.43 dB

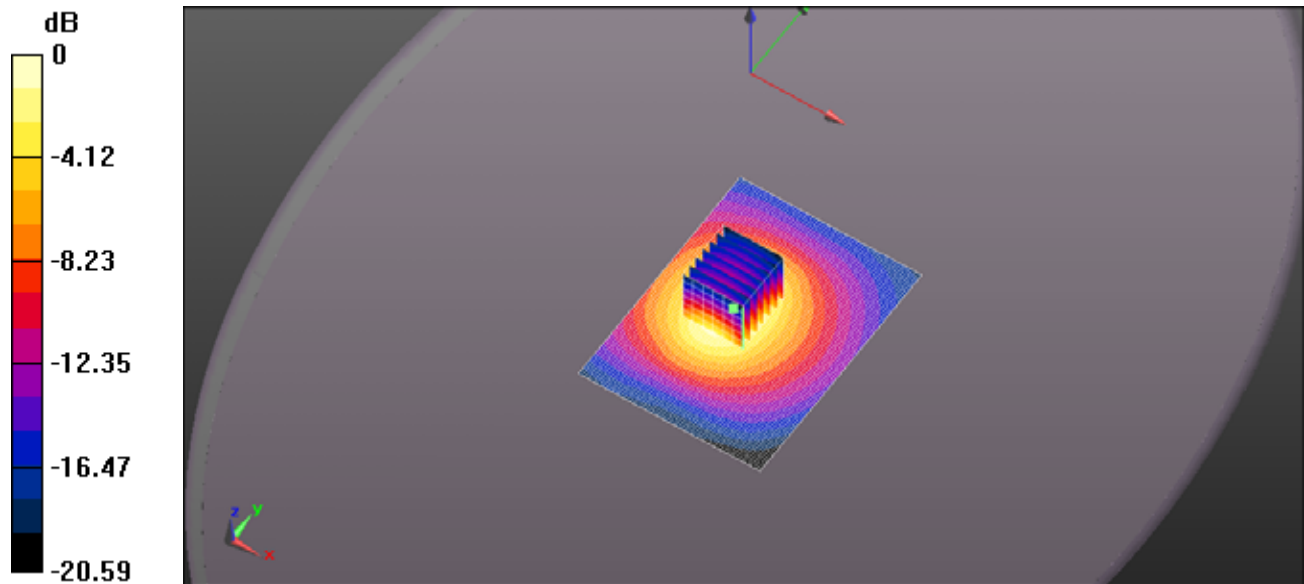
Peak SAR (extrapolated) = 24.0 W/kg

SAR(1 g) = 12.3 W/kg; SAR(10 g) = 6.16 W/kg

Maximum value of SAR (measured) = 15.6 W/kg

System Verification at 2.45GHz_Body/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.9 W/kg



0 dB = 15.6 W/kg = 11.94 dBW/kg

File Name: [System Verification - 2450MHz Head\(ICOM-641\) Final.da52:0](#)

DUT: D2450V2 - SN821; Type: D2450V2; Serial: SN821

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.863$ S/m; $\epsilon_r = 37.439$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(4.48, 4.62, 4.50); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

System Verification at 2.45GHz_Head/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 81.53 V/m; Power Drift = 0.36 dB

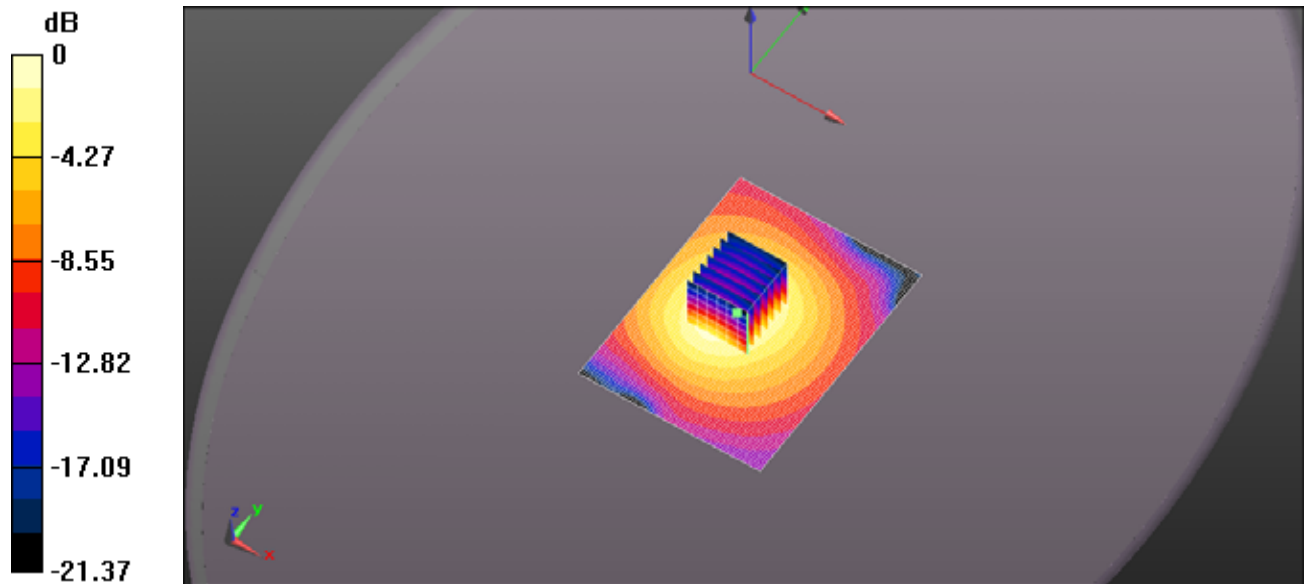
Peak SAR (extrapolated) = 24.9 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.49 W/kg

Maximum value of SAR (measured) = 16.6 W/kg

System Verification at 2.45GHz_Head/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 17.3 W/kg



0 dB = 16.6 W/kg = 12.21 dBW/kg

EXHIBIT 2. PRESCAN

Head

Battery	Antenna	Power (W)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				(MHz)			(dB)
BP-303N	FA- S67VC 155MHz	7.09	3	150	1.58	1.19	-0.88
BP-316		7.09	3	150	1.59	1.2	-1.02
BP-305		1.01	3	150	0.001	0.001	0.001
BP-303		7.09	3	150	1.3	0.98	-1

File Name: Head Prescan ICOM-641 FA-S67VC 155Hz BP-303N 150MHz.da52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.731$ S/m; $\epsilon_r = 52.913$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Head Prescan BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.84 W/kg

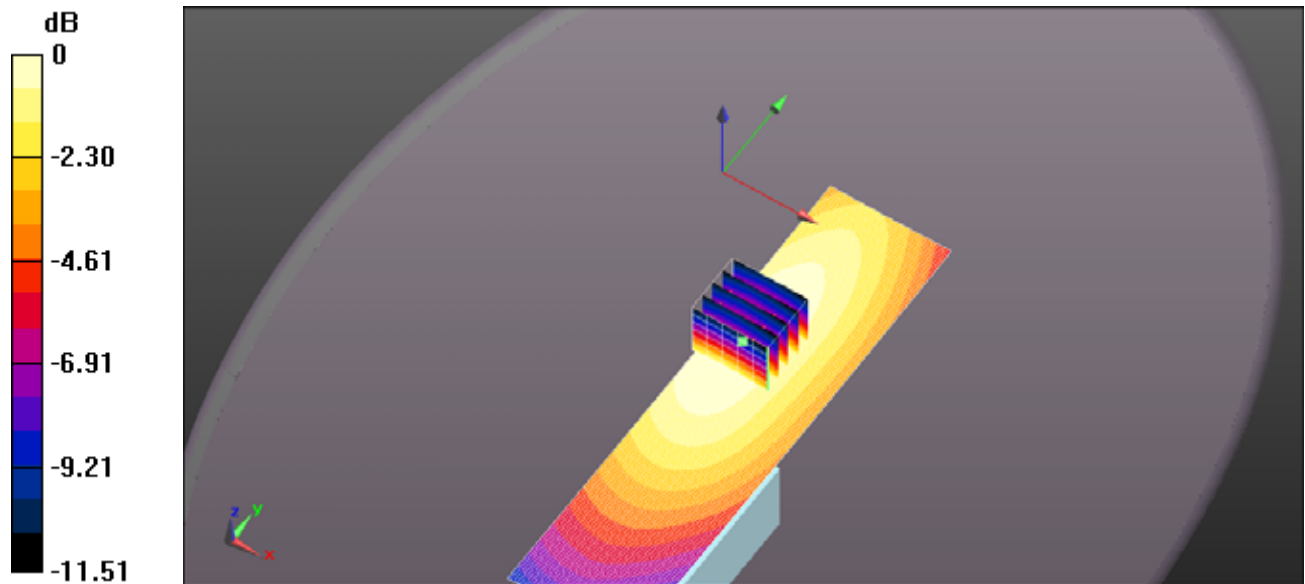
ICOM 641 150 MHz Head Prescan BP316/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 46.96 V/m; Power Drift = -0.88 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 1.58 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.84 W/kg = 2.65 dBW/kg

File Name: [Head Prescan ICOM-641 FA-S67VC 155Hz BP-316 150MHz.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.731$ S/m; $\epsilon_r = 52.913$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Head Prescan BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.86 W/kg

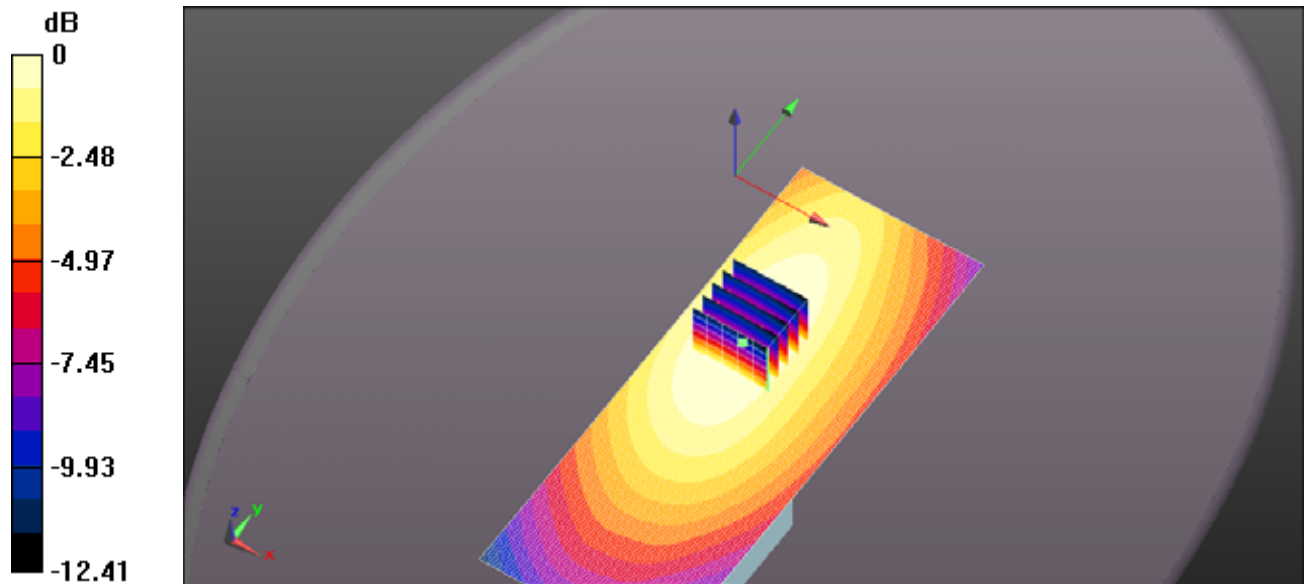
ICOM 641 150 MHz Head Prescan BP316/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 47.29 V/m; Power Drift = -1.02 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 1.59 W/kg; SAR(10 g) = 1.2 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.86 W/kg = 2.70 dBW/kg

File Name: [Head Prescan ICOM-641 FA-S67VC 155Hz BP-305 150MHz.da52:0](#)

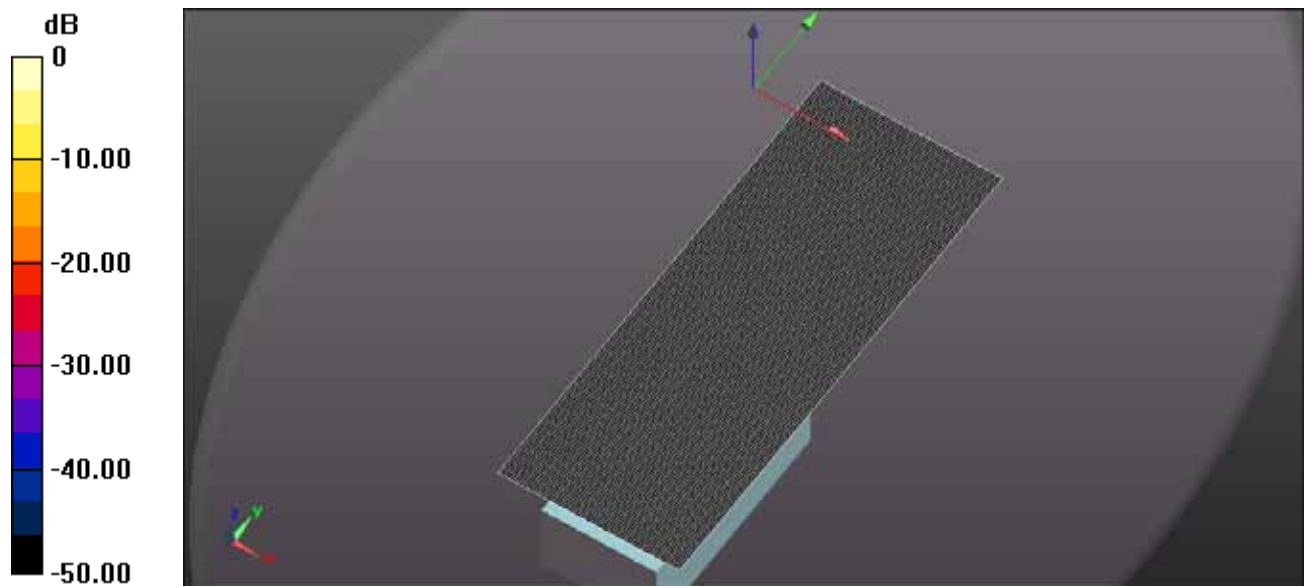
DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.731 \text{ S/m}$; $\epsilon_r = 52.913$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Head Prescan BP305/Head - $d=25\text{mm}$, $P_{in}=1\text{W}$ (ES-Probe)/Area
Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0 W/kg



0 dB = 0 W/kg = -999.00 dBW/kg

File Name: [Head Prescan ICOM-641 FA-S67VC 155Hz BP-303 150MHz.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.731$ S/m; $\epsilon_r = 52.913$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Head Prescan BP303/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

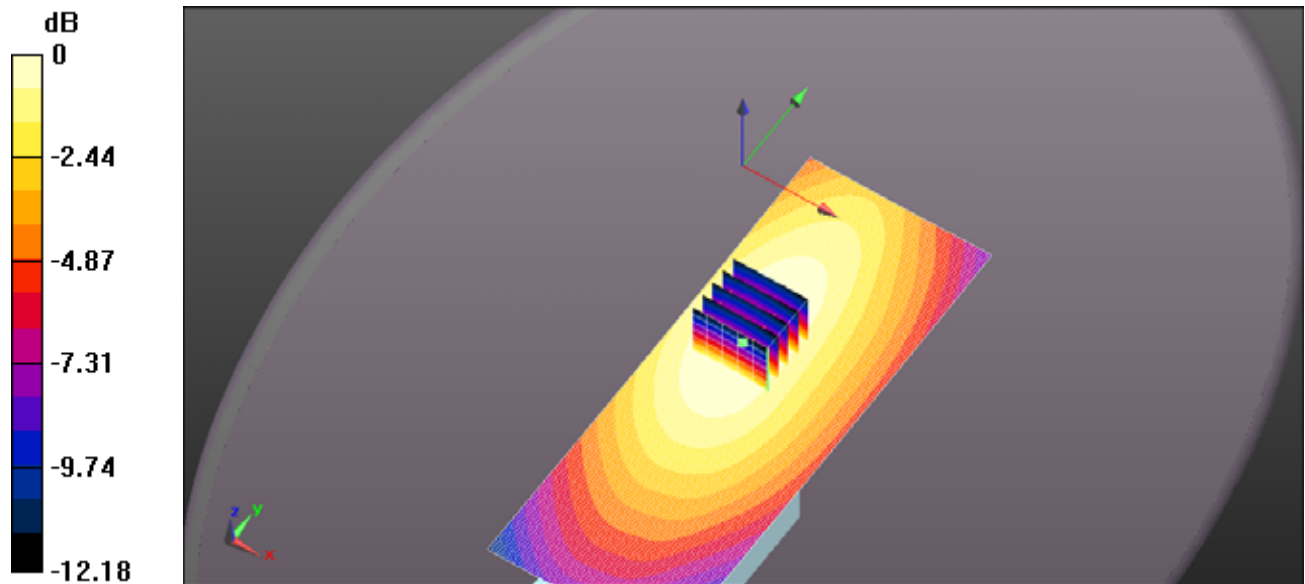
ICOM 641 150 MHz Head Prescan BP303/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 43.36 V/m; Power Drift = -1.00 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.980 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.53 W/kg = 1.84 dBW/kg

Body Prescan MB133

Battery	Antenna	Power (W)	CH	CH. Freq (MHz)	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift (dB)
BP-303N	FA-S67VC 155MHz	7.09	3	150	2.79	2.09	-0.62
BP-316		7.09	3	150	1.81	1.22	-0.65
BP-305		1.01	3	150	0.283	0.179	1.86
BP-303		7.09	3	150	1.92	1.44	-0.73

Body Prescan MB136

Battery	Antenna	Power (W)	CH	CH. Freq	Body SAR1g (W/Kg)	Body SAR10g (W/Kg)	Power Drift
				(MHz)			(dB)
BP-303N	FA-S67VC 155MHz	7.09	3	150	0.702	0.498	-0.96
BP-316		7.09	3	150	0.685	0.525	-0.53
BP-305		1.01	3	150	<0.001	<0.001	<0.001
BP-303		7.09	3	150	0.822	0.63	-0.48

File Name: Body Prescan ICOM-641 FA-S67VC 155Hz BP-303N 150MHz.da52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 60.643$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Prescan BP303N d=25mm, Pin=7W (ES-Probe)/Area Scan

(61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.24 W/kg

ICOM 641 150 MHz Prescan BP303N/ d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7)

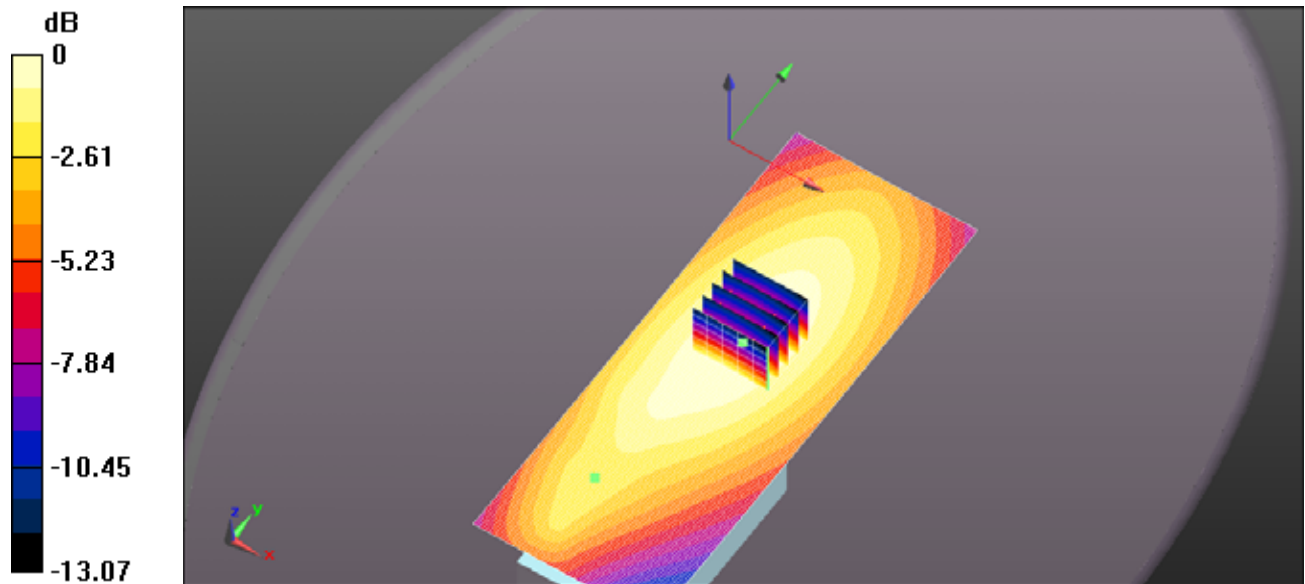
(6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 64.01 V/m; Power Drift = -0.62 dB

Peak SAR (extrapolated) = 4.13 W/kg

SAR(1 g) = 2.79 W/kg; SAR(10 g) = 2.09 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.14 W/kg



0 dB = 3.24 W/kg = 5.11 dBW/kg

File Name: [Body Prescan ICOM-641 FA-S67VC 155MHz BP-316 150MHz.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 60.643$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Prescan BP316/d=25mm, Pin=7W (ES-Probe)/Area Scan

(61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.12 W/kg

ICOM 641 150 MHz Prescan BP316/d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7)

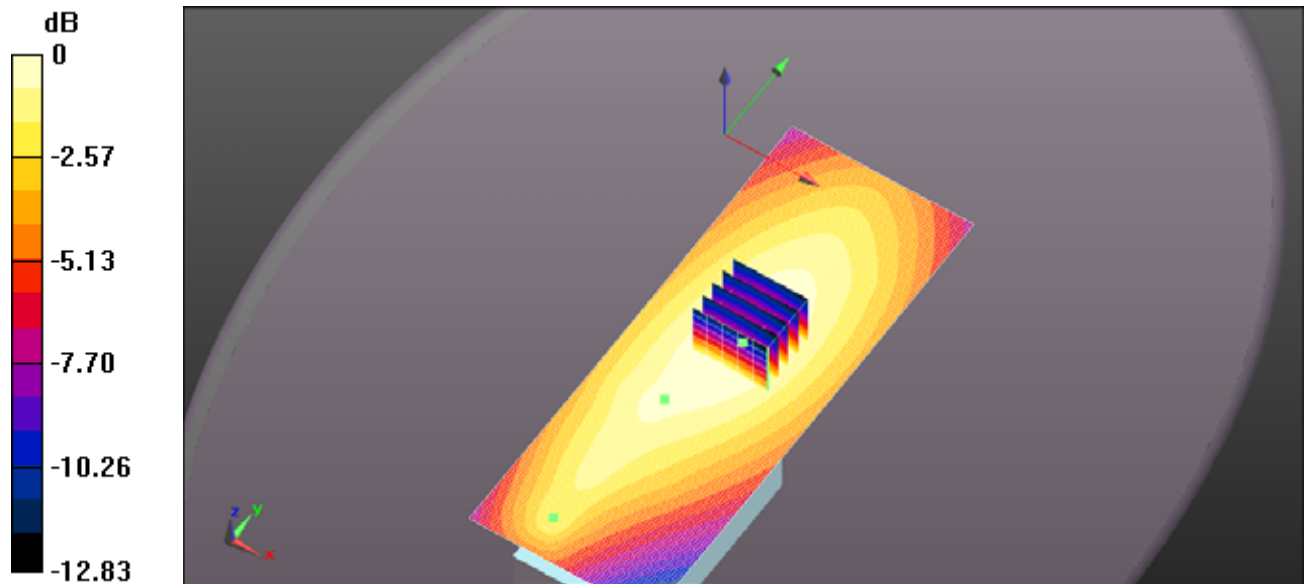
(6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.18 V/m; Power Drift = -0.65 dB

Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 1.81 W/kg; SAR(10 g) = 1.36 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.12 W/kg = 3.27 dBW/kg

File Name: [Body Prescan ICOM-641 FA-S67VC 155Hz BP-305 150MHz.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.761 \text{ S/m}$; $\epsilon_r = 60.643$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Prescan BP305/d=25mm, Pin=1W (ES-Probe)/Area Scan

(61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.264 W/kg

ICOM 641 150 MHz Prescan BP305/d=25mm, Pin=1W (ES-Probe)/Zoom Scan (5x5x7)

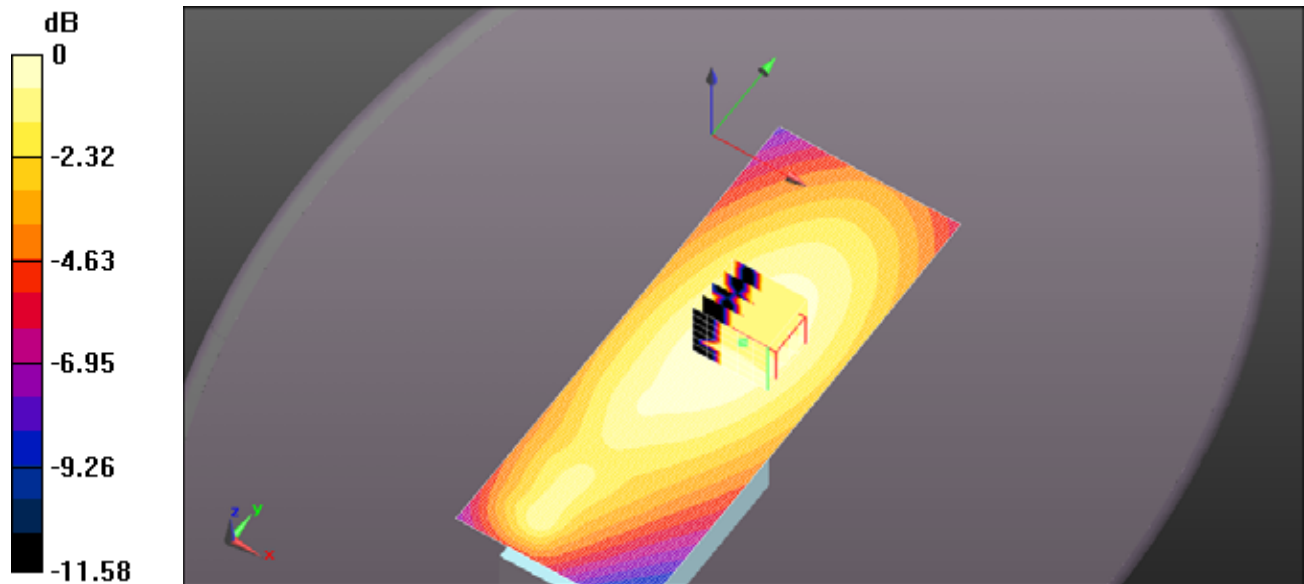
(6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.68 V/m ; Power Drift = 1.86 dB

Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.283 W/kg ; SAR(10 g) = 0.179 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.236 W/kg



0 dB = 0.264 W/kg = -5.79 dBW/kg

File Name: [Body Prescan ICOM-641 FA-S67VC 155Hz BP-303 150MHz.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 60.643$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Prescan BP303/d=0mm, Pin=7W (ES-Probe)/Area Scan

(61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.29 W/kg

ICOM 641 150 MHz Prescan BP303/d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7)

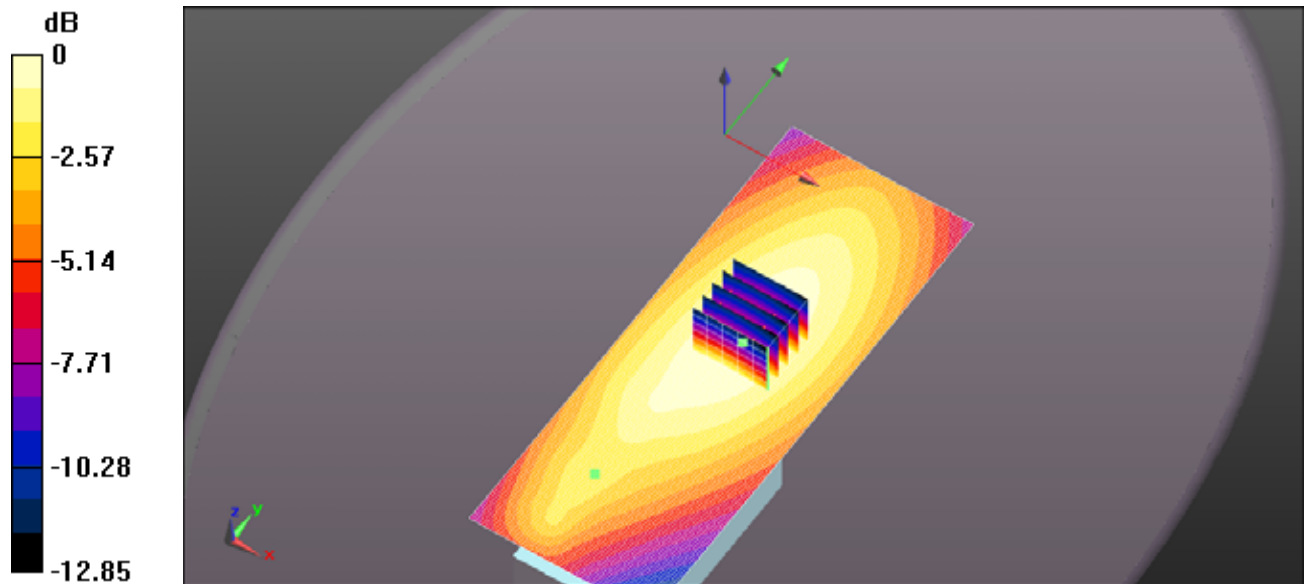
(6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 54.39 V/m; Power Drift = -0.73 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 1.92 W/kg; SAR(10 g) = 1.44 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.15 W/kg



0 dB = 2.29 W/kg = 3.59 dBW/kg

File Name: [Body Prescan MB 136 ICOM-641 FA-S67VC 155Hz BP-303N 150MHz.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 60.643$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Body Prescan BP303N MB136/d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.872 W/kg

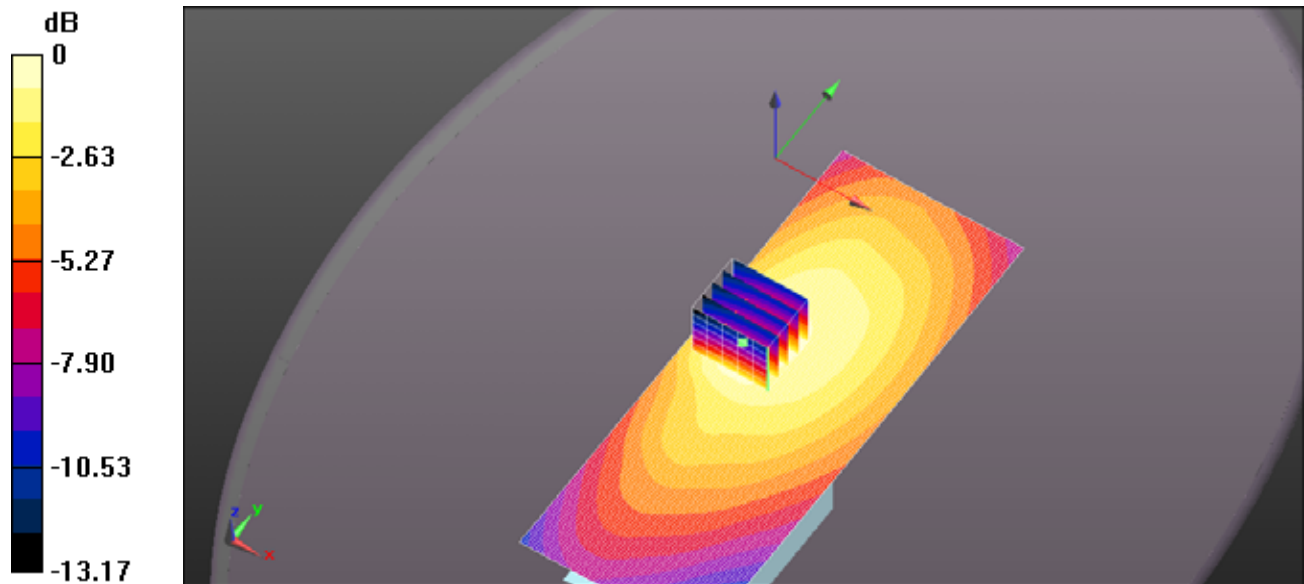
ICOM 641 150 MHz Body Prescan BP303N MB136/d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.41 V/m; Power Drift = -0.96 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.498 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.872 W/kg = -0.59 dBW/kg

File Name: [Body Prescan MB 136 ICOM-641 FA-S67VC 155Hz BP-316 150MHz.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 60.643$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

**ICOM 641 150 MHz Body Prescan BP316 MB136/d=0mm, Pin=7W (ES-Probe)/Area
Scan (61x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.803 W/kg

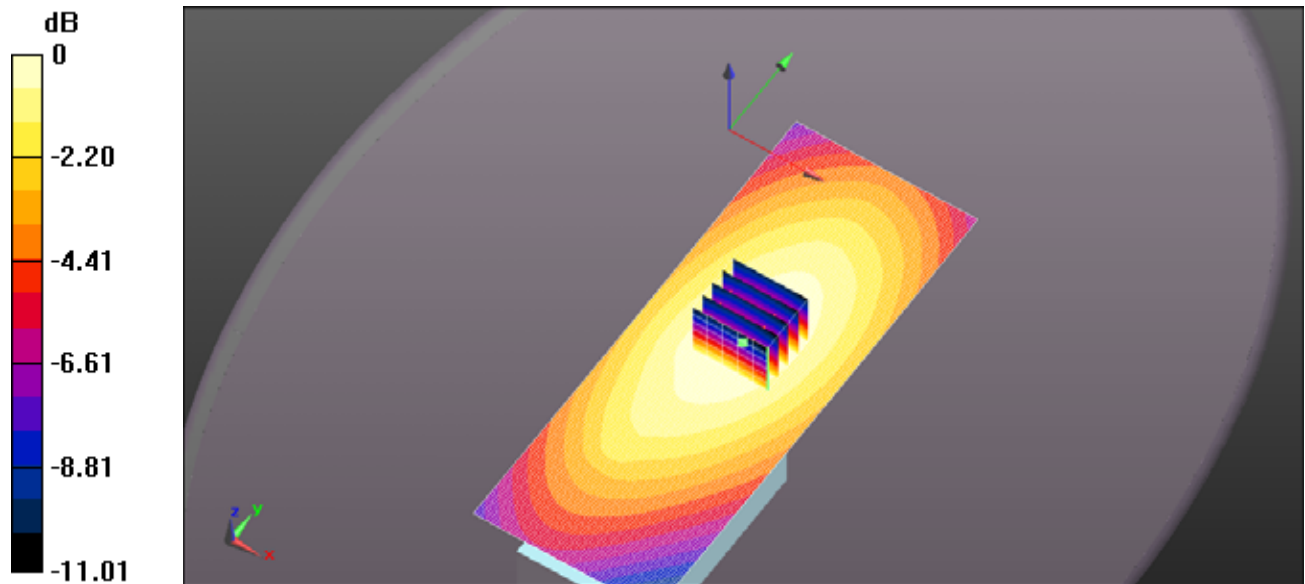
**ICOM 641 150 MHz Body Prescan BP316 MB136/d=0mm, Pin=7W (ES-Probe)/Zoom
Scan (5x5x7) (6x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 32.29 V/m; Power Drift = -0.53 dB

Peak SAR (extrapolated) = 0.983 W/kg

SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.525 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.760 W/kg



0 dB = 0.803 W/kg = -0.95 dBW/kg

File Name: Body Prescan MB 136 ICOM-641 FA-S67VC 155Hz BP-305 150MHz.da52:0

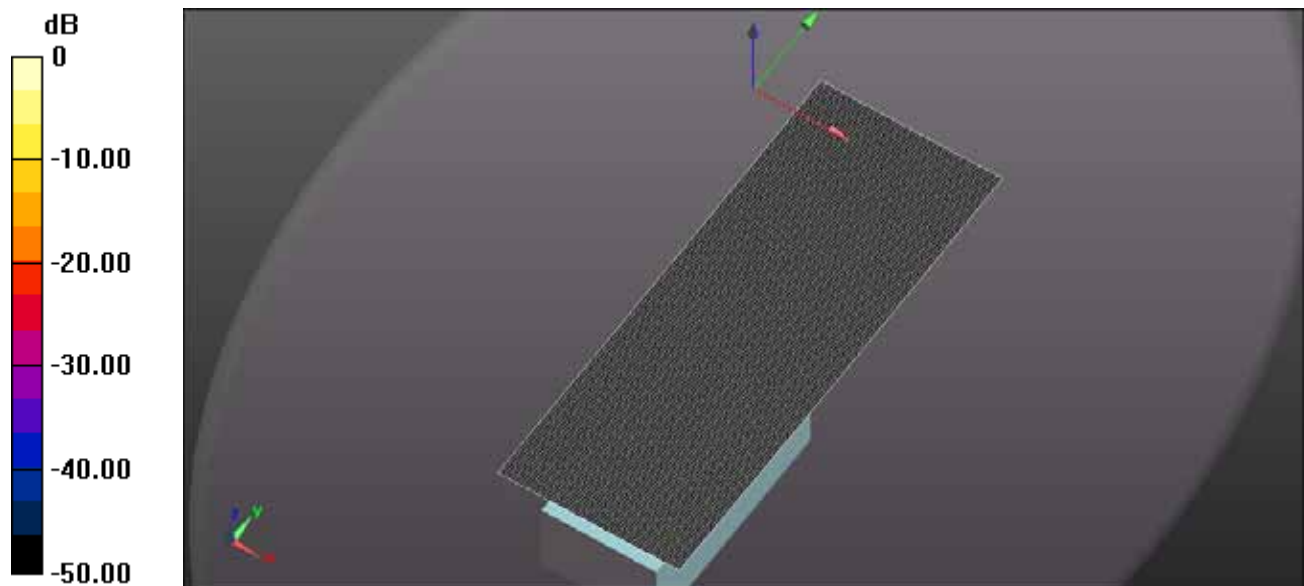
DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 62.049$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Body Prescan BP305 MB136/ d=0mm, Pin=1W (ES-Probe)/Area
Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0 W/kg



0 dB = 0 W/kg = -999.00 dBW/kg

File Name: [Body Prescan MB 136 ICOM-641 FA-S67VC 155Hz BP-303 150MHz.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.765 \text{ S/m}$; $\epsilon_r = 62.049$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Body Prescan BP303 MB136/d=0mm, Pin=7W (ES-Probe)/Area

Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.966 W/kg

ICOM 641 150 MHz Body Prescan BP303 MB136/d=0 mm, Pin=7W (ES-

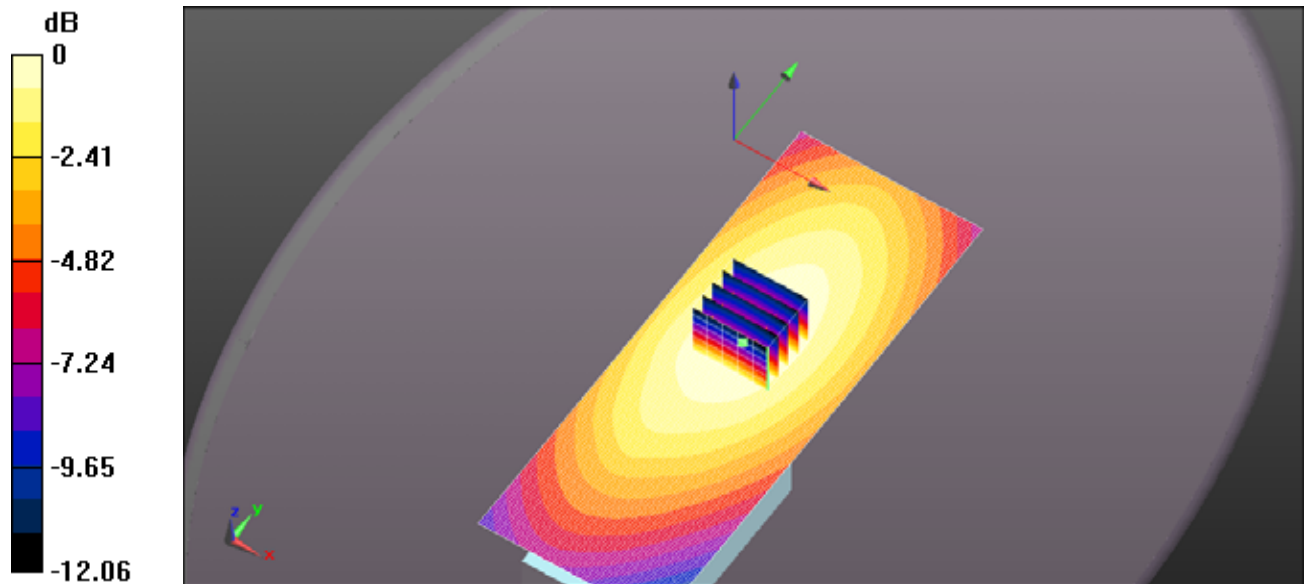
Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.75 V/m ; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.822 W/kg ; SAR(10 g) = 0.630 W/kg (SAR corrected for target medium)

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



0 dB = 0.966 W/kg = -0.15 dBW/kg

EXHIBIT 3. HEAD SAR MEASUREMENT

HEAD BP-316						
Antenna	Power (W)	Channel	MHz	1g	10g	Power Drift (dB)
FA-S81V 136-150 MHz	4.96	1	136	0.944	0.722	-0.93
	4.82	2	143	**	**	**
	7.09	3	150	0.403	0.306	-0.81
FA-S82V 148-162 MHz	4.86	3	148	1.55	1.13	-0.21
	7.1	4	156	1.19	0.9	-1.02
	7.05	6	162	**	**	**
FA-S83V 160-174 MHz	7.05	5	160	4.11	3.11	-0.12
	4.98	7	167	**	**	**
	4.84	9	174	0.467	0.349	-0.39
FA-S81VS 136-150 MHz	4.96	1	136	**	**	**
	4.82	2	143	0.851	0.582	-0.19
	7.09	3	150	**	**	**
FA-S82VS 148-162 MHz	4.86	10	148	1.18	0.794	-0.11
	7.1	4	156	**	**	**
	7.05	6	162	0.227	0.143	-2.13
FA-S83VS 160-174 MHz	7.05	5	160	**	**	**
	4.98	7	167	1.19	0.797	-0.29
	4.98	8	174	**	**	**
FA-S67VC 136MHz	4.96	1	136	1.65	1.22	-0.35
	4.82	2	143	**	**	**
	7.09	3	150	1.2	0.907	-0.81
	7.1	4	156	***	**	**
	7.05	6	162	0.285	0.196	-2.33
	4.98	8	168	**	**	**
	4.84	9	174	0.0694	0.052	-0.78
FA-S67VC 155MHz	4.96	1	136	**	**	**
	4.82	2	143	0.881	0.648	-0.24
	7.09	3	150	**	**	**
	7.1	4	156	2.57	1.92	-1.08
	7.05	6	162	**	**	**
	4.98	8	168	0.949	0.705	-0.55
	4.84	9	174	**	**	**

FA-S67VC 174MHz	4.96	1	136	0.152	0.103	0.11
	4.82	2	143	**	**	**
	7.09	3	150	0.327	0.244	-0.55
	7.1	4	156	**	**	**
	7.05	6	162	0.344	0.255	-4.46
	4.98	8	168	**	**	**
	4.84	9	174	2.26	1.67	-0.78

File Name: [FA-S81V 136MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 136 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136$ MHz; $\sigma = 0.726$ S/m; $\epsilon_r = 53.455$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 150 MHz Head 136MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.09 W/kg

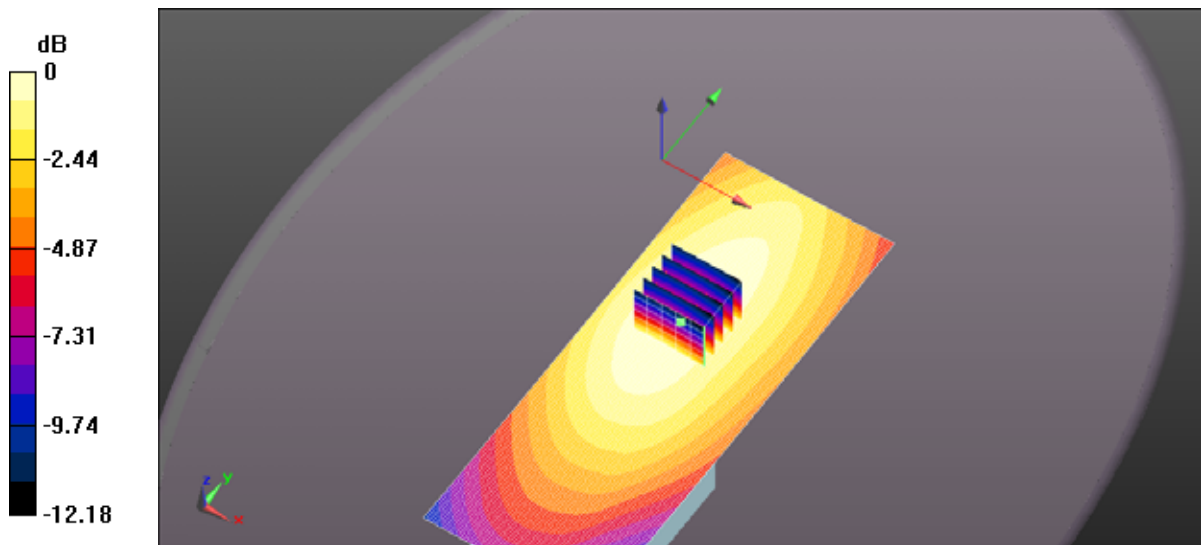
ICOM 641 150 MHz Head 136MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 37.94 V/m; Power Drift = -0.93 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.722 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.09 W/kg = 0.36 dBW/kg

File Name: [FA-S81V 150MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.731 \text{ S/m}$; $\epsilon_r = 52.913$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S81V Head 150MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.462 W/kg

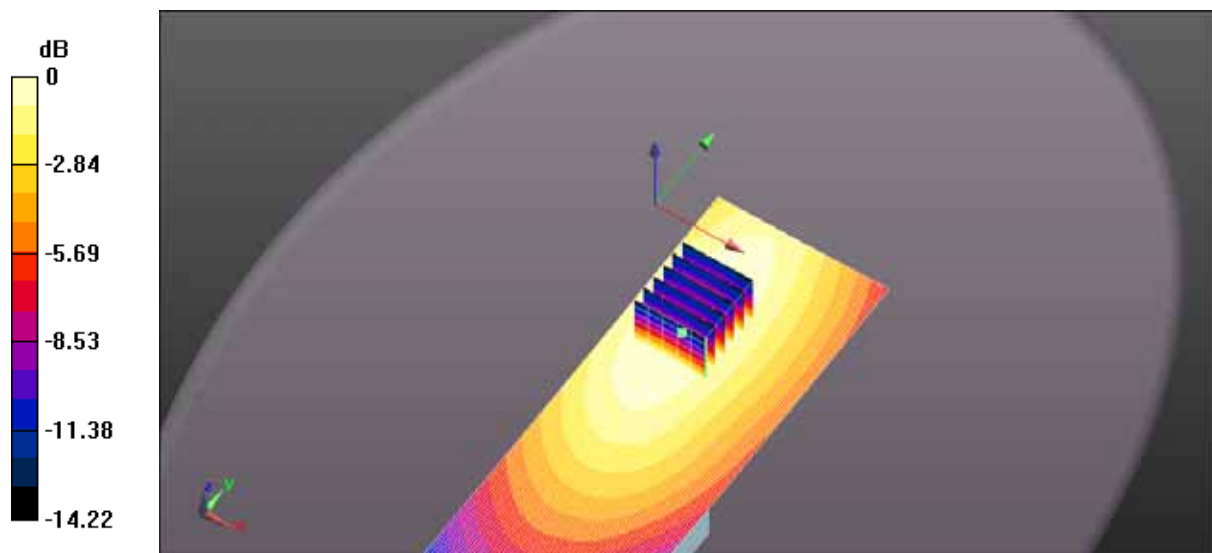
ICOM 641 FA-S81V Head 150MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.30 V/m ; Power Drift = -0.81 dB

Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = 0.403 W/kg ; SAR(10 g) = 0.306 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.448 W/kg



0 dB = 0.462 W/kg = -3.35 dBW/kg

File Name: [FA-S82V 156MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 156 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 156 \text{ MHz}$; $\sigma = 0.735 \text{ S/m}$; $\epsilon_r = 52.483$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82V Head 156MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.39 W/kg

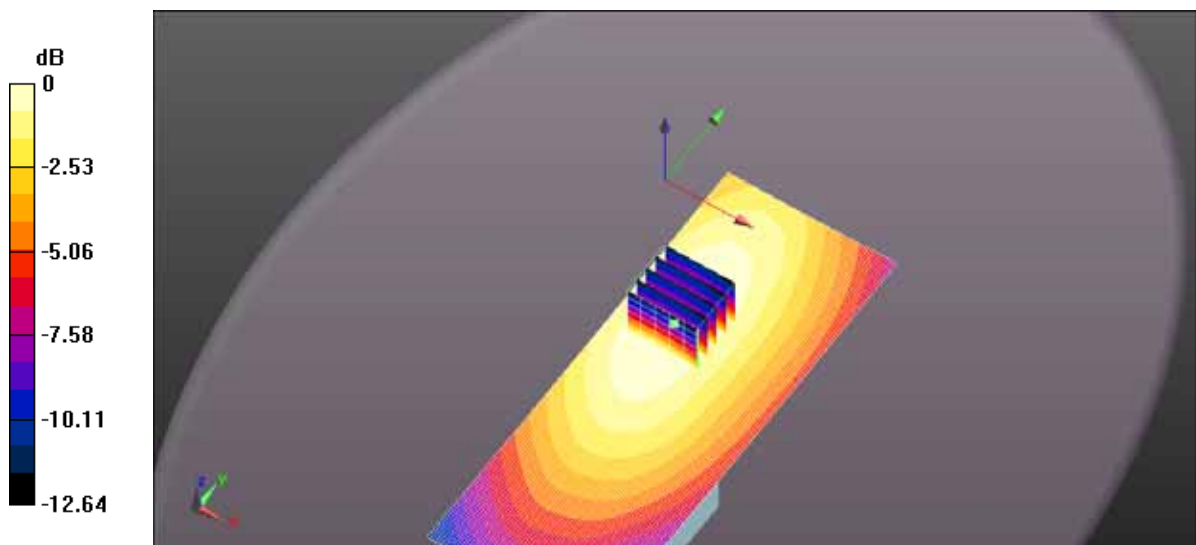
ICOM 641 FA-S82V Head 156MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.61 V/m ; Power Drift = -1.02 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.19 W/kg ; SAR(10 g) = 0.900 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.39 W/kg = 1.42 dBW/kg

File Name: [FA-S83V 160MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 160 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 160 \text{ MHz}$; $\sigma = 0.736 \text{ S/m}$; $\epsilon_r = 52.305$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S83V Head 160MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 4.62 W/kg

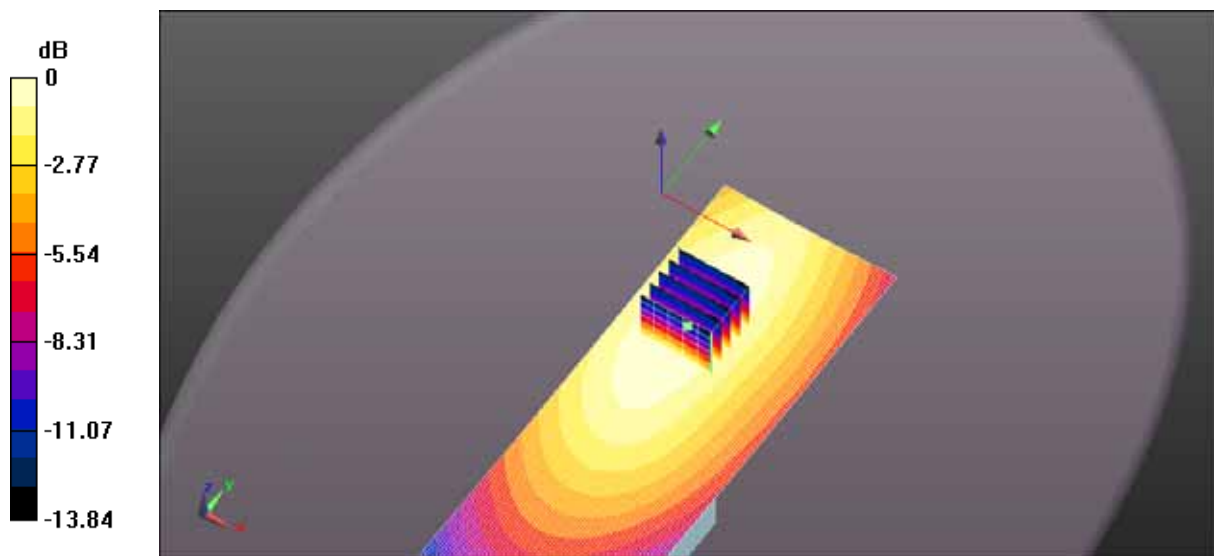
ICOM 641 FA-S83V Head 160MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 65.29 V/m ; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 6.05 W/kg

SAR(1 g) = 4.11 W/kg ; SAR(10 g) = 3.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.59 W/kg



0 dB = 4.62 W/kg = 6.64 dBW/kg

File Name: [FA-S83V 174MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 174 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 174 \text{ MHz}$; $\sigma = 0.746 \text{ S/m}$; $\epsilon_r = 51.743$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S83V Head 174MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.533 W/kg

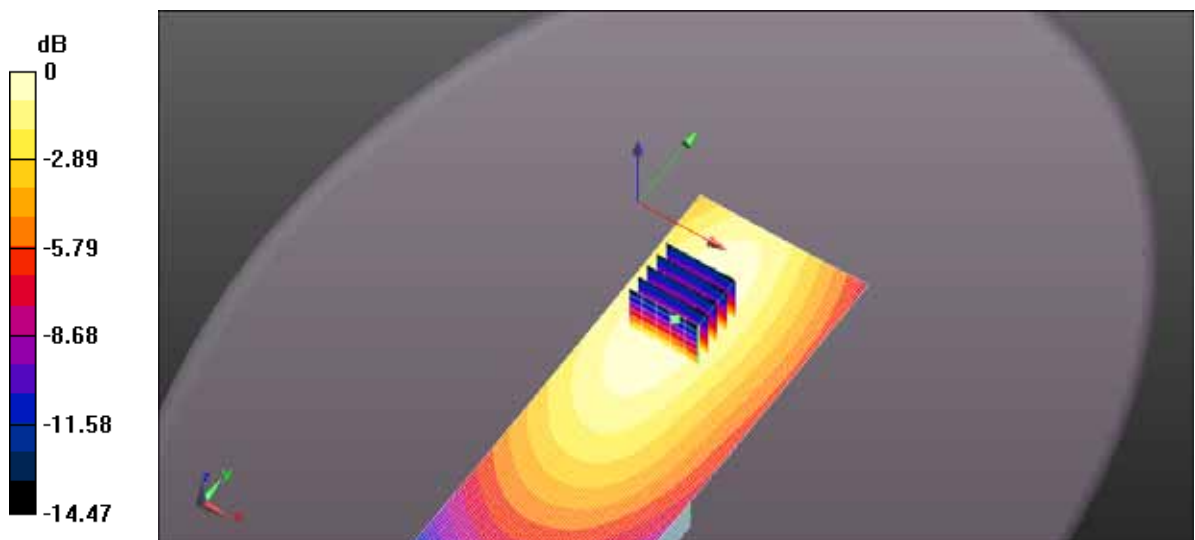
ICOM 641 FA-S83V Head 174MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.29 V/m ; Power Drift = -0.36 dB

Peak SAR (extrapolated) = 0.700 W/kg

SAR(1 g) = 0.467 W/kg ; SAR(10 g) = 0.349 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.523 W/kg



0 dB = 0.533 W/kg = -2.73 dBW/kg

File Name: [FA-S81VS 143MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 143 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 143$ MHz; $\sigma = 0.727$ S/m; $\epsilon_r = 52.88$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S81VS Head 143MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.992 W/kg

ICOM 641 FA-S81VS Head 143MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

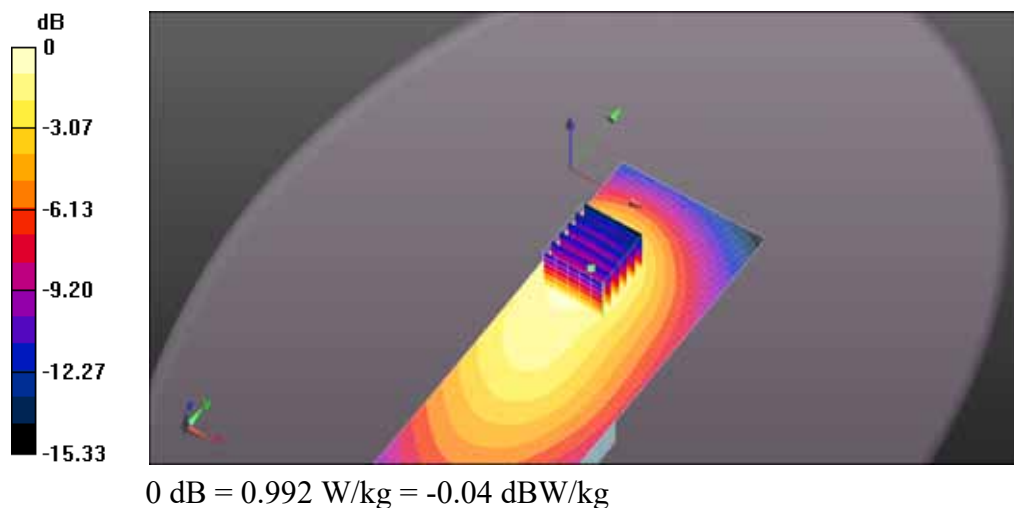
Reference Value = 27.98 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.582 W/kg (SAR corrected for target medium)

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.986 W/kg



File Name: [FA-S82VS 150MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.73 \text{ S/m}$; $\epsilon_r = 54.598$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section ;
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82VS Head 150MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.66 W/kg

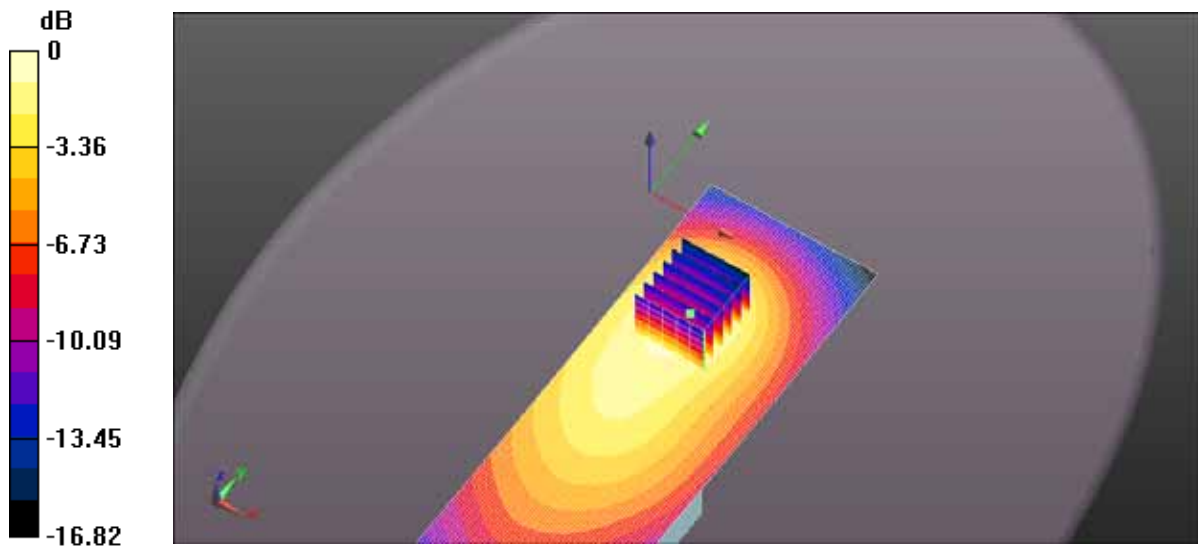
ICOM 641 FA-S82VS Head 150MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 43.34 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.11 W/kg

SAR(1 g) = 2.18 W/kg ; SAR(10 g) = 1.46 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.52 W/kg



0 dB = 2.66 W/kg = 4.25 dBW/kg

File Name: [FA-S82VS 162MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 162 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 162 \text{ MHz}$; $\sigma = 0.741 \text{ S/m}$; $\epsilon_r = 54.067$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82VS Head 162MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.303 W/kg

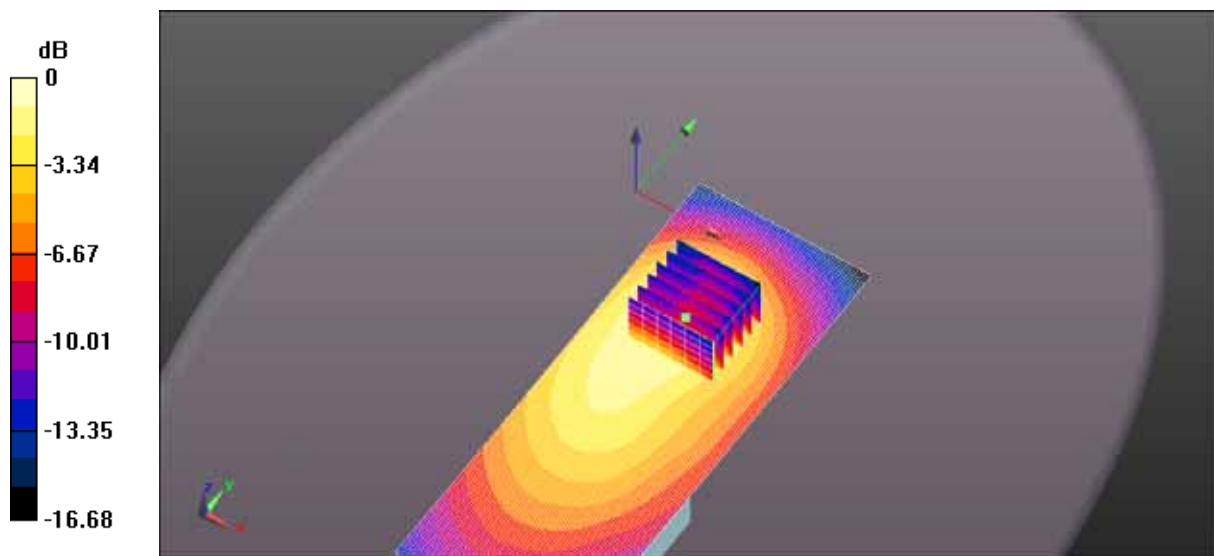
ICOM 641 FA-S82VS Head 162MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (7x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.55 V/m ; Power Drift = -2.13 dB

Peak SAR (extrapolated) = 0.440 W/kg

SAR(1 g) = 0.227 W/kg ; SAR(10 g) = 0.143 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.277 W/kg



$0 \text{ dB} = 0.303 \text{ W/kg} = -5.19 \text{ dBW/kg}$

File Name: [FA-S83VS 167MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 167 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 167$ MHz; $\sigma = 0.745$ S/m; $\epsilon_r = 53.928$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S83VS Head 167MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

ICOM 641 FA-S83VS Head 167MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

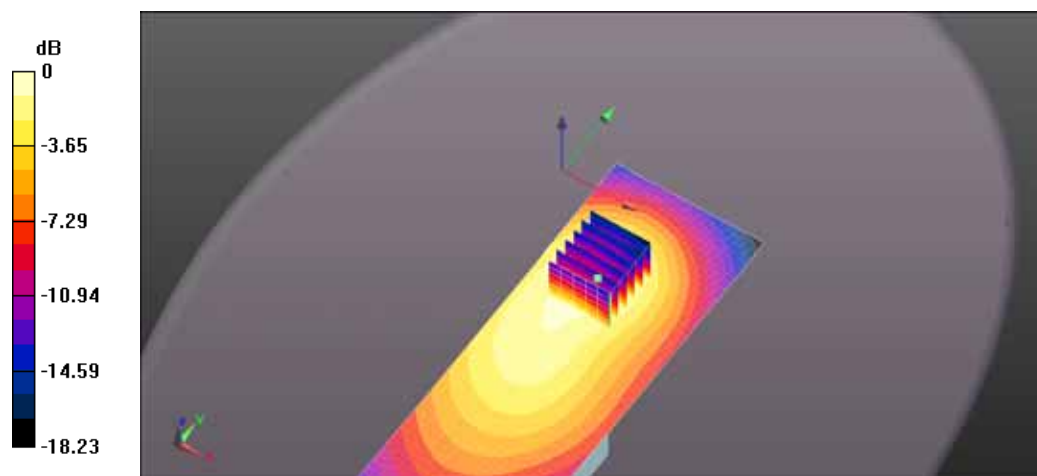
Reference Value = 33.09 V/m; Power Drift = -0.29 dB

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.797 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

File Name: [FA-S67VC 136MHz ICOM-641 150MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.73 \text{ S/m}$; $\epsilon_r = 54.598$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section ;
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 136MHz Head 150MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.38 W/kg

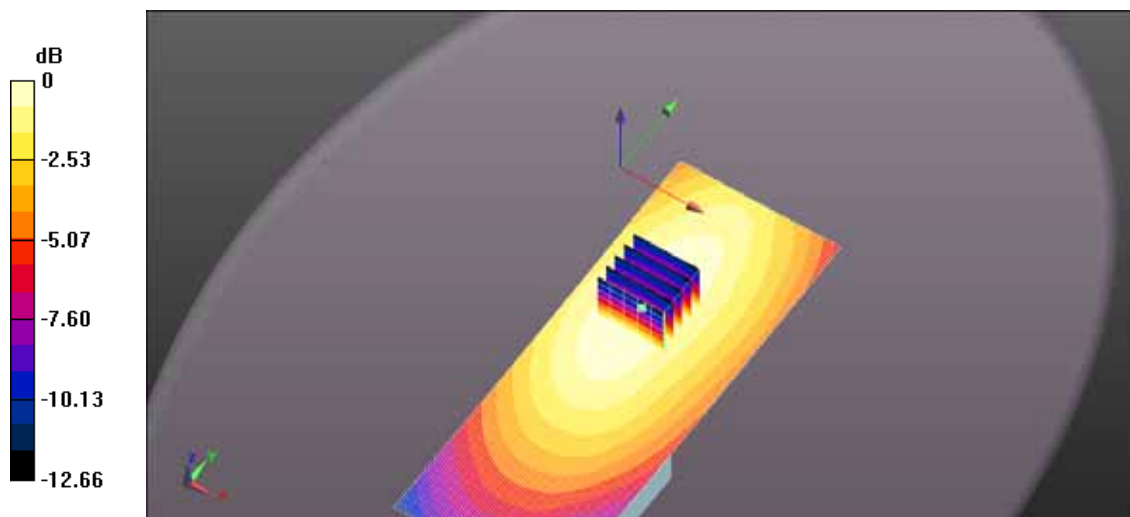
ICOM 641 FA-S67VC 136MHz Head 150MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.82 V/m ; Power Drift = -0.81 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.2 W/kg ; SAR(10 g) = 0.907 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

File Name: [FA-S67VC 136MHz ICOM-641 162MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number Communication

System: UID 0, CW (0); Frequency: 162 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 162$ MHz; $\sigma = 0.741$ S/m; $\epsilon_r = 54.067$; $\rho = 1000$ kg/m³; Phantom section: Flat
Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 136MHz Head 162MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area
Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.374 W/kg

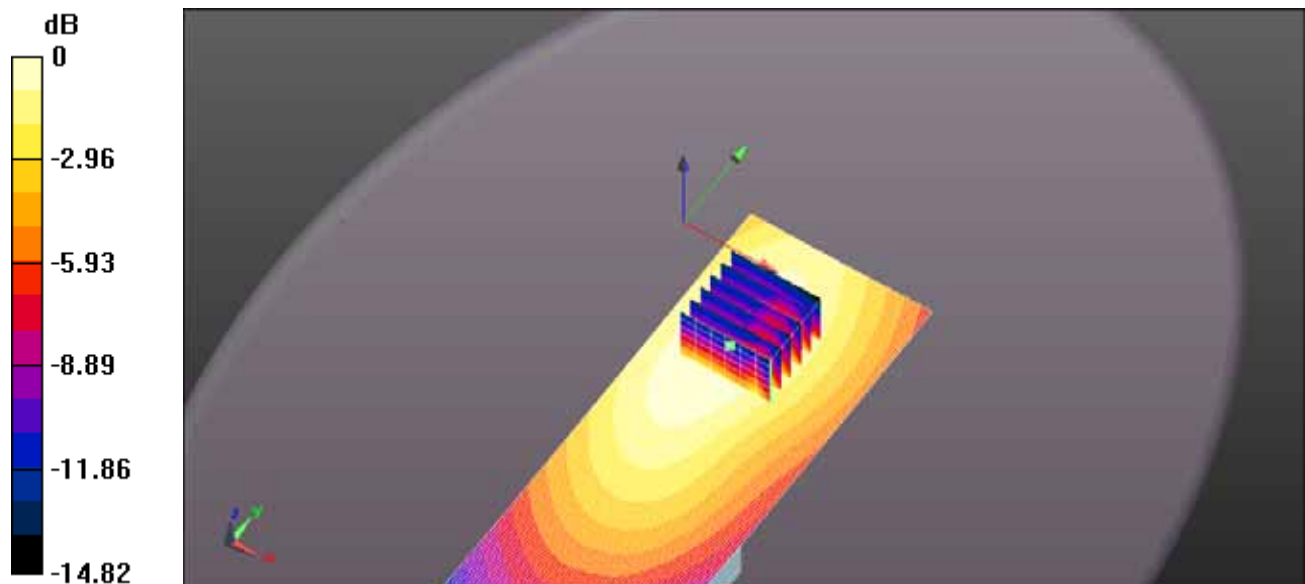
ICOM 641 FA-S67VC 136MHz Head 162MHz BP316/Head - d=25mm, Pin=7W (ES-
Probe)/Zoom Scan (5x5x7) (7x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.16 V/m; Power Drift = -2.33 dB

Peak SAR (extrapolated) = 0.440 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.196 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.374 W/kg = -4.27 dBW/kg

File Name: [FA-S67VC 136MHz ICOM-641 174MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication

System: UID 0, CW (0); Frequency: 174 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 174$ MHz; $\sigma = 0.751$ S/m; $\epsilon_r = 53.381$; $\rho = 1000$ kg/m³; Phantom section: Flat
Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 136MHz Head 174MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area
Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0793 W/kg

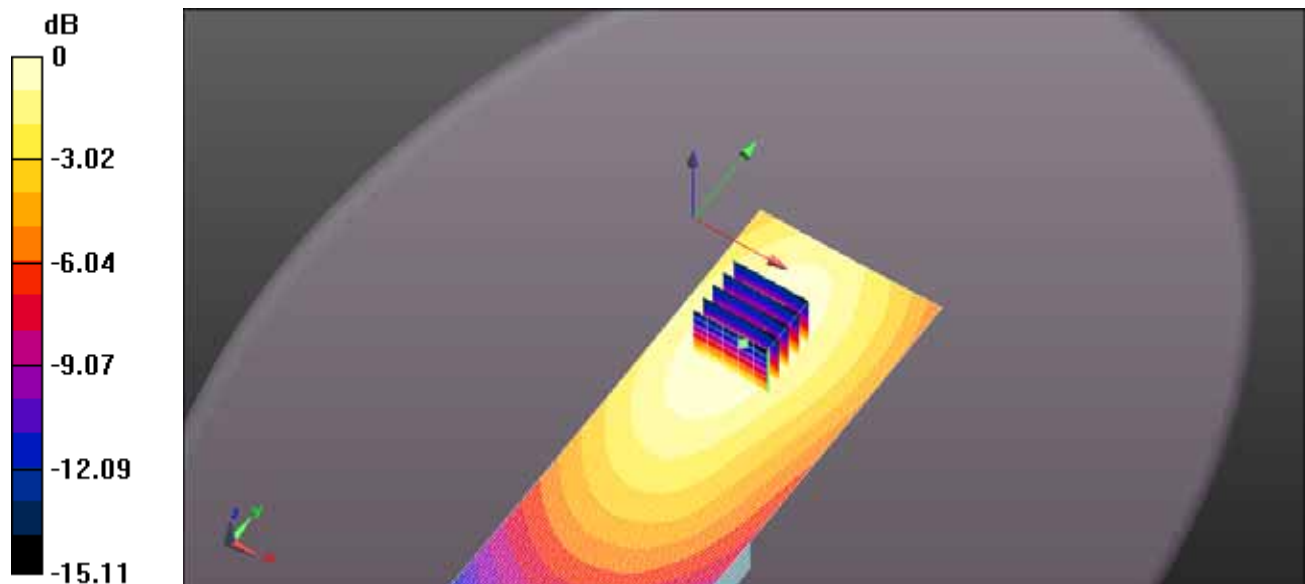
ICOM 641 FA-S67VC 136MHz Head 174MHz BP316/Head - d=25mm, Pin=5W (ES-
Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.228 V/m; Power Drift = -0.78 dB

Peak SAR (extrapolated) = 0.103 W/kg

SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.052 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0775 W/kg



0 dB = 0.0793 W/kg = -11.01 dBW/kg

File Name: [FA-S67VC 155MHz ICOM-641 156MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication

System: UID 0, CW (0); Frequency: 156 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 156 \text{ MHz}$; $\sigma = 0.735 \text{ S/m}$; $\epsilon_r = 54.16$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section ;

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 136MHz Head 156MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area
Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.97 W/kg

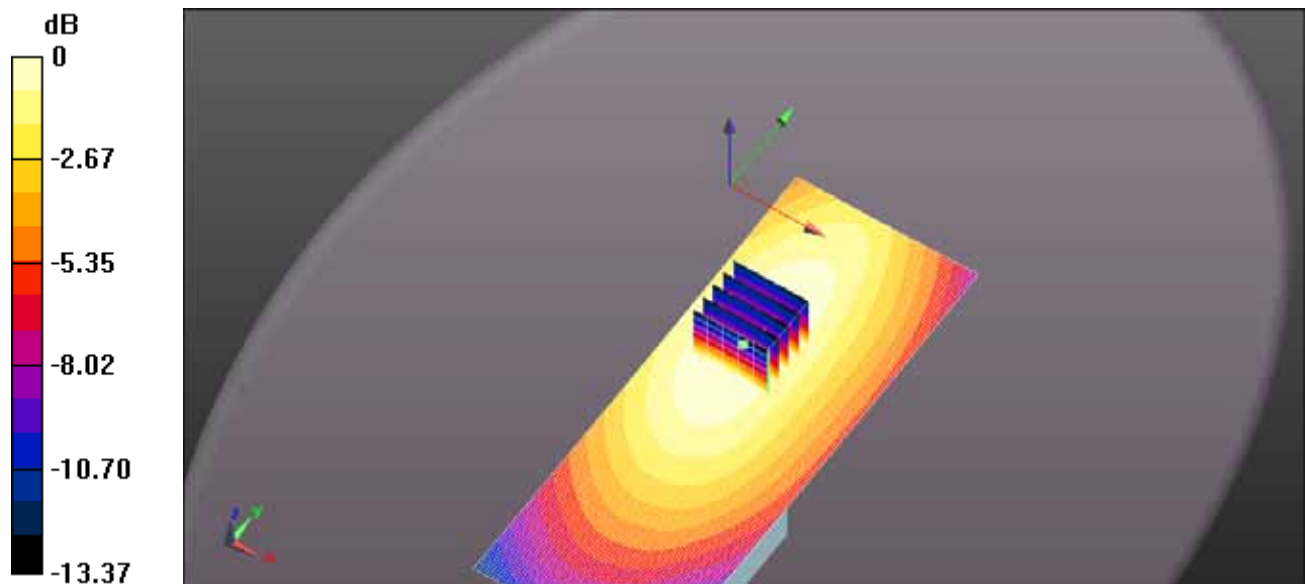
ICOM 641 FA-S67VC 136MHz Head 156MHz BP316/Head - d=25mm, Pin=7W (ES-
Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 59.43 V/m; Power Drift = -1.08 dB

Peak SAR (extrapolated) = 3.83 W/kg

SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.89 W/kg



0 dB = 2.97 W/kg = 4.73 dBW/kg

File Name: [FA-S67VC 155MHz ICOM-641 168MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number Communication
System: UID 0, CW (0); Frequency: 168 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 168 \text{ MHz}$; $\sigma = 0.746 \text{ S/m}$; $\epsilon_r = 53.806$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

**ICOM 641 FA-S67VC 155MHz Head 168MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area
Scan (61x161x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.09 W/kg

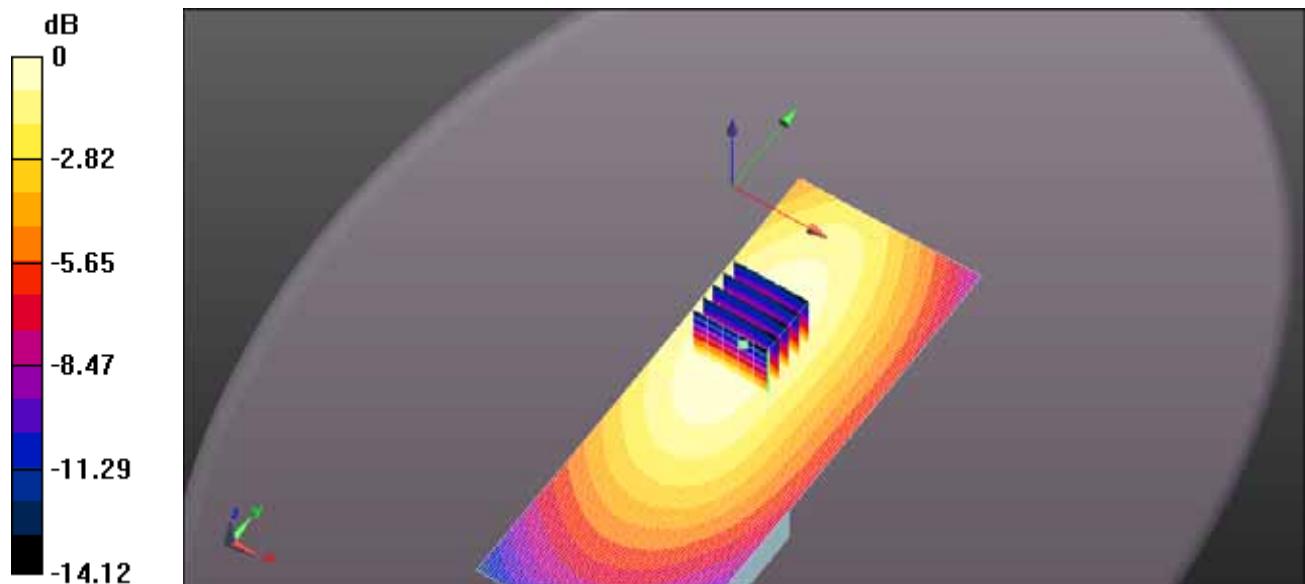
**ICOM 641 FA-S67VC 155MHz Head 168MHz BP316/Head - d=25mm, Pin=5W (ES-
Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0:** Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.77 V/m ; Power Drift = -0.55 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.949 W/kg ; SAR(10 g) = 0.705 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.07 W/kg



$0 \text{ dB} = 1.09 \text{ W/kg} = 0.38 \text{ dBW/kg}$

File Name: [FA-S67VC 174MHz ICOM-641 150MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication

System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150$ MHz; $\sigma = 0.73$ S/m; $\epsilon_r = 54.598$; $\rho = 1000$ kg/m³; Phantom section: Flat Section ;

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 174MHz Head 150MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area
Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.375 W/kg

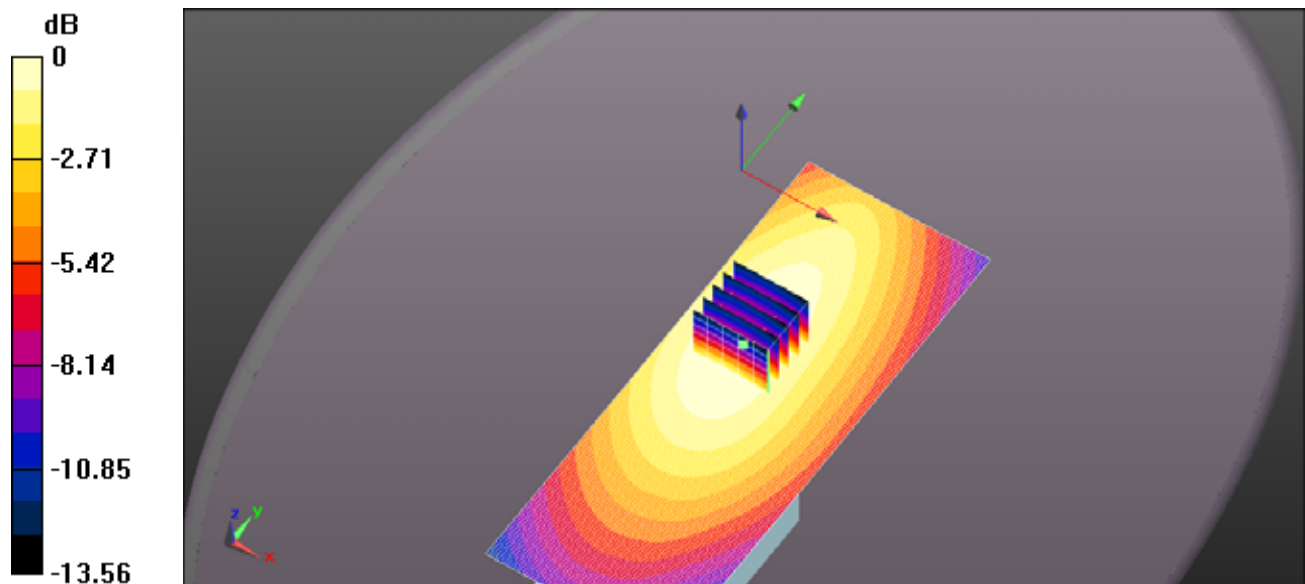
ICOM 641 FA-S67VC 174MHz Head 150MHz BP316/Head - d=25mm, Pin=7W (ES-
Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.56 V/m; Power Drift = -0.55 dB

Peak SAR (extrapolated) = 0.491 W/kg

SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.244 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.375 W/kg = -4.26 dBW/kg

File Name: [FA-S67VC 174MHz ICOM-641 162MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number Communication

System: UID 0, CW (0); Frequency: 162 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 162$ MHz; $\sigma = 0.741$ S/m; $\epsilon_r = 54.067$; $\rho = 1000$ kg/m³; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 174MHz Head 162MHz BP316/Head - d=25mm, Pin=7W (ES-Probe)/Area
Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

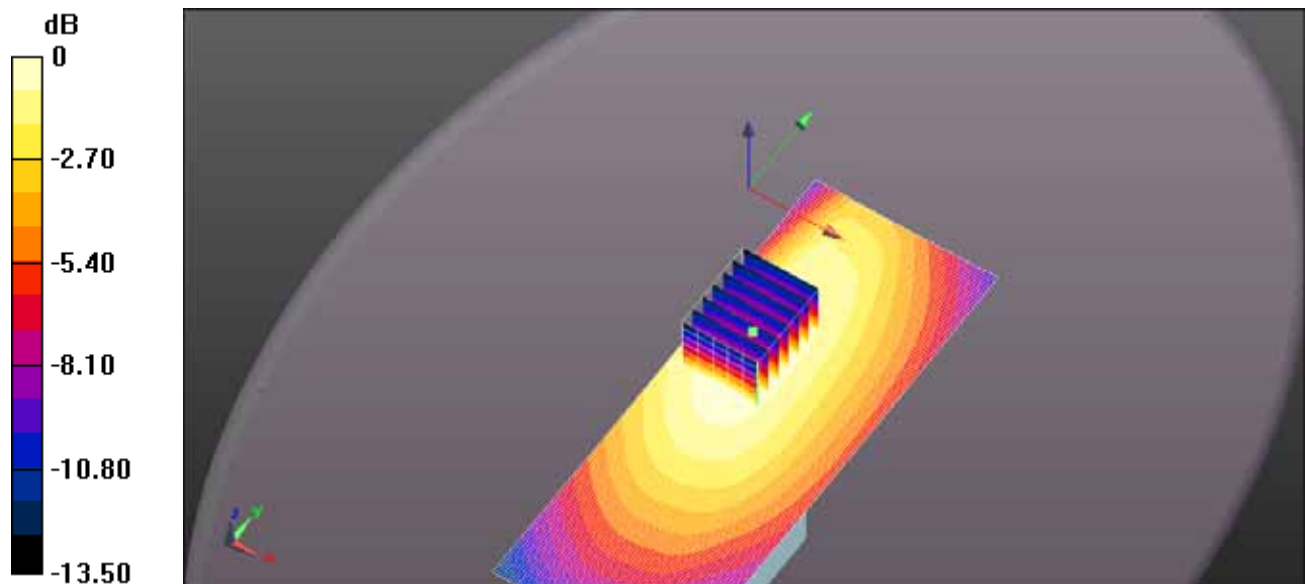
ICOM 641 FA-S67VC 174MHz Head 162MHz BP316/Head - d=25mm, Pin=7W (ES-
Probe)/Zoom Scan (5x5x7) (6x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 32.45 V/m; Power Drift = -4.46 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.255 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.936 W/kg = -0.29 dBW/kg

File Name: [FA-S67VC 174MHz ICOM-641 174MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number Communication

System: UID 0, CW (0); Frequency: 174 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 174$ MHz; $\sigma = 0.751$ S/m; $\epsilon_r = 53.381$; $\rho = 1000$ kg/m³; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 174MHz Head 174MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area
Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.62 W/kg

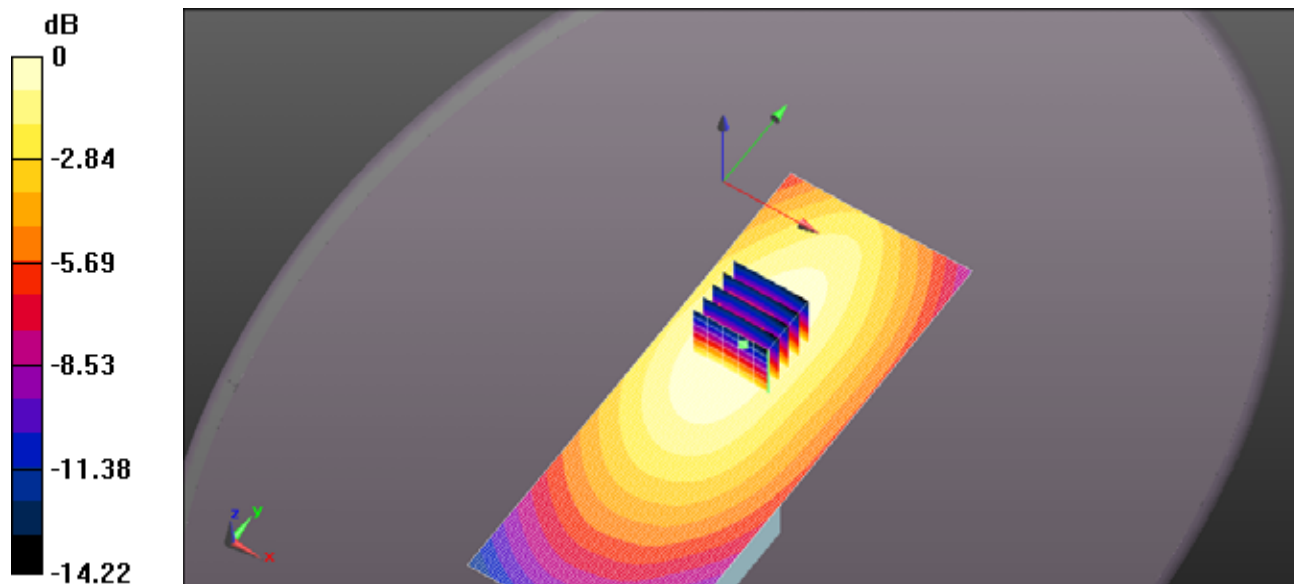
ICOM 641 FA-S67VC 174MHz Head 174MHz BP316/Head - d=25mm, Pin=5W (ES-
Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 53.56 V/m; Power Drift = -0.78 dB

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.67 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.54 W/kg



0 dB = 2.62 W/kg = 4.18 dBW/kg

File Name: [FA-S82V 148MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 148 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 148 \text{ MHz}$; $\sigma = 0.741 \text{ S/m}$; $\epsilon_r = 52.819$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82V Head 148MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.77 W/kg

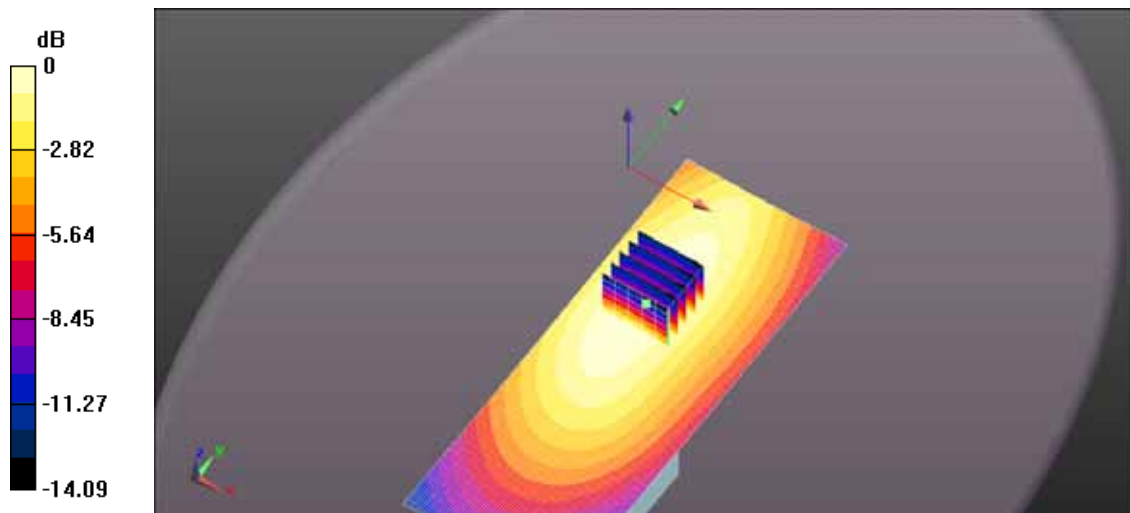
ICOM 641 FA-S82V Head 148MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 40.90 V/m ; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 2.37 W/kg

SAR(1 g) = 1.55 W/kg ; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)

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



0 dB = 1.77 W/kg = 2.48 dBW/kg

File Name: [FA-S82VS 148MHz ICOM-641 BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 148 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 148 \text{ MHz}$; $\sigma = 0.741 \text{ S/m}$; $\epsilon_r = 52.819$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82VS Head 148MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.42 W/kg

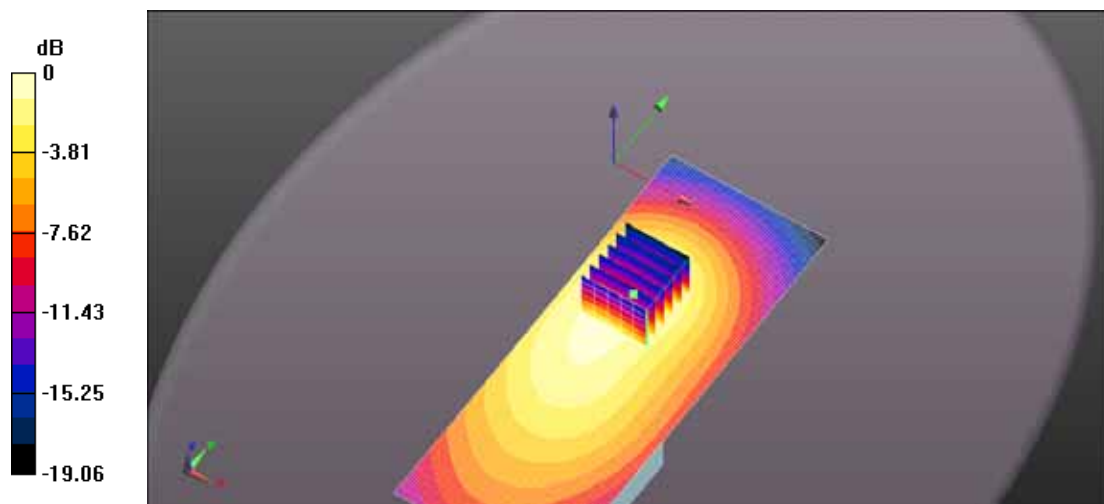
ICOM 641 FA-S82VS Head 148MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.62 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.18 W/kg ; SAR(10 g) = 0.794 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.36 W/kg



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

File Name: FA-S67VC 136MHz ICOM-641 136MHz BP-316.da52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 136 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 136 \text{ MHz}$; $\sigma = 0.734 \text{ S/m}$; $\epsilon_r = 53.218$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 136MHz Head 150MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.88 W/kg

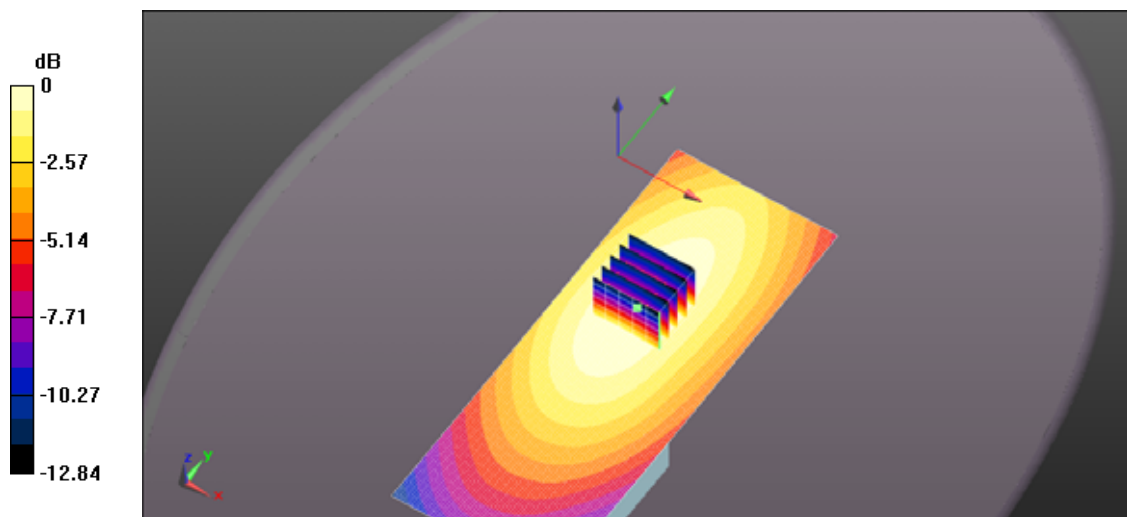
ICOM 641 FA-S67VC 136MHz Head 150MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 46.29 V/m ; Power Drift = -0.35 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.65 W/kg ; SAR(10 g) = 1.22 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.85 W/kg



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

File Name: [FA-S67VC 155MHz ICOM-641 143MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 143 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 143$ MHz; $\sigma = 0.737$ S/m; $\epsilon_r = 52.966$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 155MHz Head 143MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.02 W/kg

ICOM 641 FA-S67VC 155MHz Head 143MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

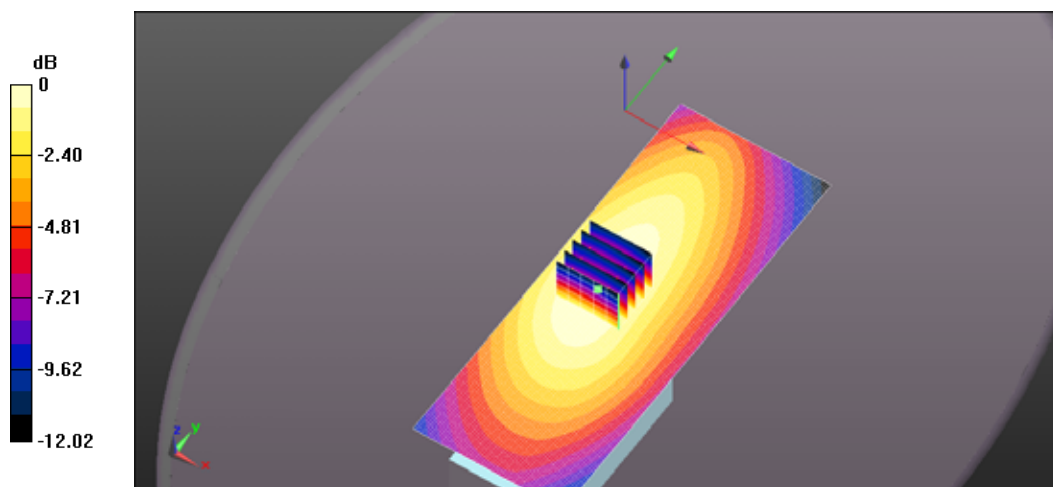
Reference Value = 33.49 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.648 W/kg (SAR corrected for target medium)

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.991 W/kg



0 dB = 1.02 W/kg = 0.07 dBW/kg

File Name: [FA-S67VC 174MHz ICOM-641 143MHz BP-316.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 136 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 136 \text{ MHz}$; $\sigma = 0.734 \text{ S/m}$; $\epsilon_r = 53.218$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat
Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 174MHz Head 136MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.159 W/kg

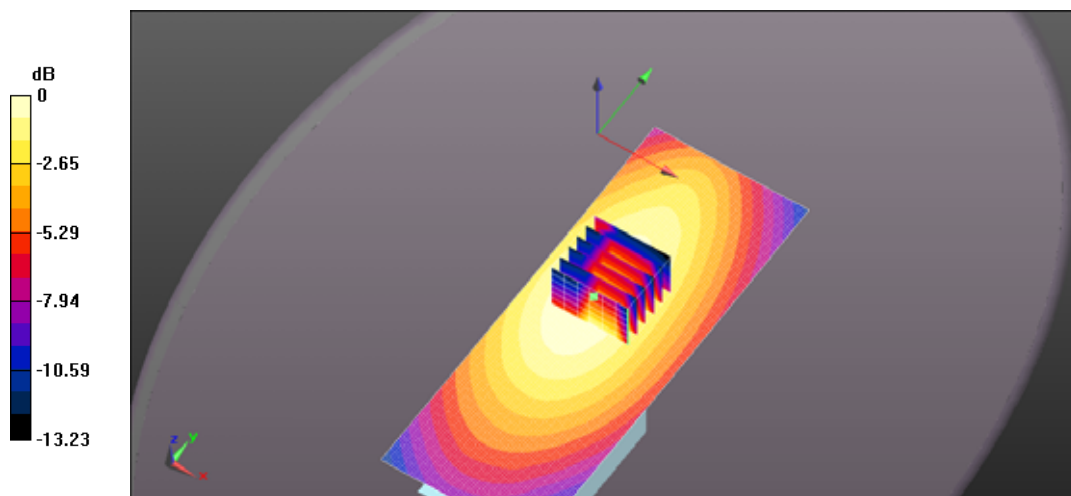
ICOM 641 FA-S67VC 174MHz Head 136MHz BP316/Head - d=25mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (7x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.07 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.152 W/kg ; SAR(10 g) = 0.103 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg = -8.00 dBW/kg

EXHIBIT 4. BODY SAR MEASUREMENT

BODY BP-303N MB-133						
Antenna	Power (W)	Channel	MHz	1g	10g	Power Drift (dB)
FA-S81V 136-150 MHz	4.96	1	136	0.784	0.591	-0.31
	4.82	2	143	**	**	**
	7.09	3	150	0.394	0.296	-0.94
FA-S82V 148-162 MHz	4.86	3	148	1.6	1.21	-0.18
	7.1	4	156	0.786	0.588	-0.46
	7.05	6	162	**	**	**
FA-S83V 160-174 MHz	7.05	5	160	3.93	2.97	0.58
	4.98	7	167	**	**	**
	4.98	8	174	2.97	2.21	-0.45
FA-S81VS 136-150 MHz	4.96	1	136	**	**	**
	4.82	2	143	0.879	0.601	-0.63
	7.09	3	150	**	**	**
FA-S82VS 148-162 MHz	4.86	10	148	1.72	1.15	0.06
	7.09	3	150	5.85	2.54	-0.42
	7.1	4	156	**	**	**
	7.05	6	162	0.193	0.13	-2.2
FA-S83VS 160-174 MHz	7.05	5	160	**	**	**
	4.98	7	167	1.34	0.923	-0.72
	4.98	8	174	**	**	**
FA-S67VC 136MHz	4.96	1	136	1.29	0.97	-0.55
	4.82	2	143	**	**	**
	7.09	3	150	1.09	0.823	-0.53
	7.1	4	156	**	**	**
	7.05	6	162	0.299	0.195	-2.09
	4.98	8	168	**	**	**
	4.84	9	174	0.0831	0.0568	-4.6
FA-S67VC 155MHz	4.96	1	136	**	**	**
	4.82	2	143	0.828	0.622	-0.37
	7.09	3	150	**	**	**
	7.1	4	156	3.11	2.34	-0.91
	7.05	6	162	**	**	**
	4.98	8	168	3.27	1.34	-0.48
	4.84	9	174	**	**	**

FA-S67VC 174MHz	4.96	1	136	0.638	0.25	0.14
	4.82	2	143	**	**	**
	7.09	3	150	0.459	0.344	-0.58
	7.1	4	156	**	**	**
	7.05	6	162	0.562	0.417	-3.94
	4.98	8	168	**	**	**
	4.84	9	174	2.63	1.95	-0.59

File Name: [FA-S81V 136MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 136 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 136 \text{ MHz}$; $\sigma = 0.764 \text{ S/m}$; $\epsilon_r = 61.716$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S81V 136 MHz Body BP303N/d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.893 W/kg

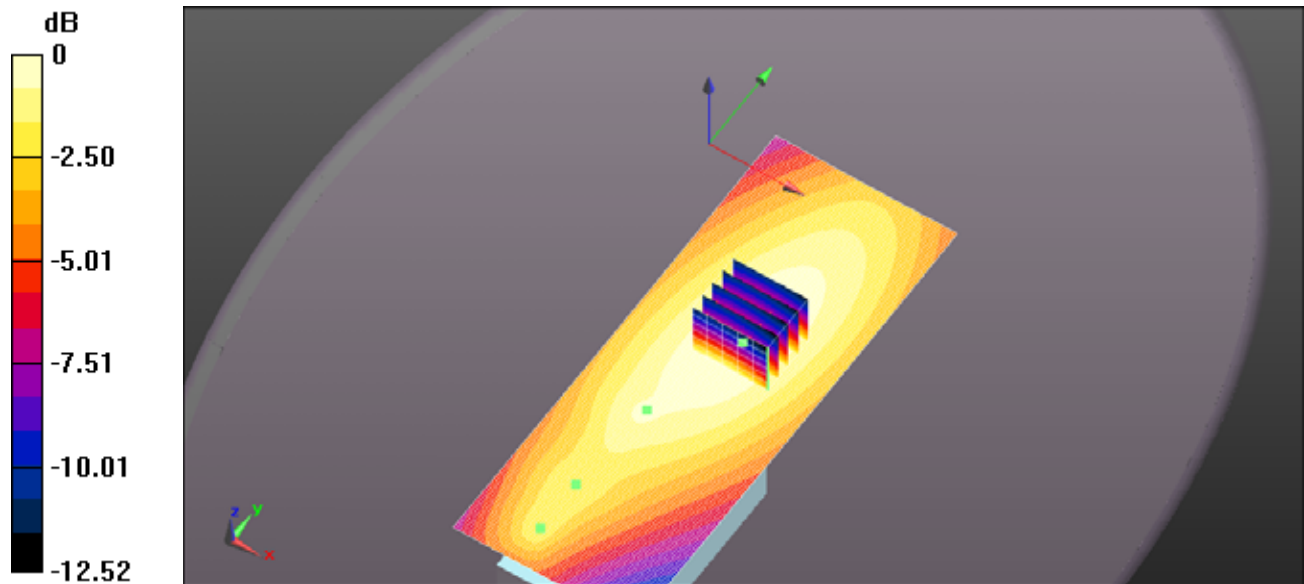
ICOM 641 FA-S81V 136 MHz Body BP303N/d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.24 V/m ; Power Drift = -0.31 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.784 W/kg ; SAR(10 g) = 0.591 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.876 W/kg



0 dB = 0.893 W/kg = -0.49 dBW/kg

File Name: [FA-S81V 150MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 62.049$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S81V 150 MHz Body BP303N d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.467 W/kg

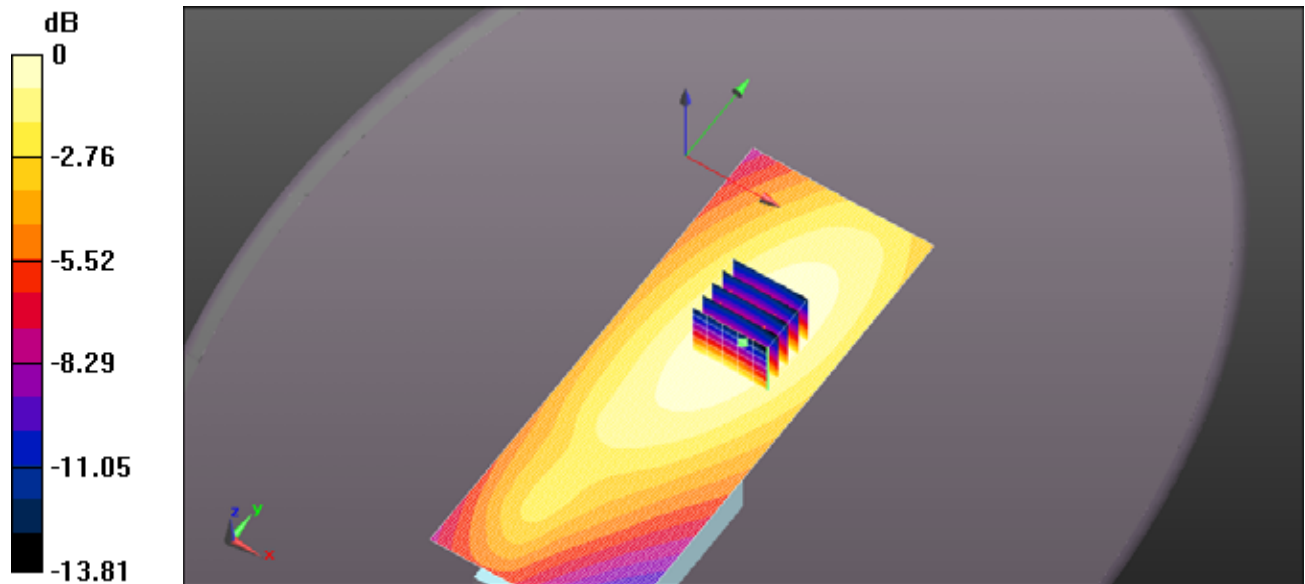
ICOM 641 FA-S81V 150 MHz Body BP303N d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 24.18 V/m; Power Drift = -0.94 dB

Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.296 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.440 W/kg



0 dB = 0.467 W/kg = -3.30 dBW/kg

File Name: [FA-S82V 156MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 156 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 156 \text{ MHz}$; $\sigma = 0.767 \text{ S/m}$; $\epsilon_r = 62.202$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82V 150 MHz Body BP303N d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.932 W/kg

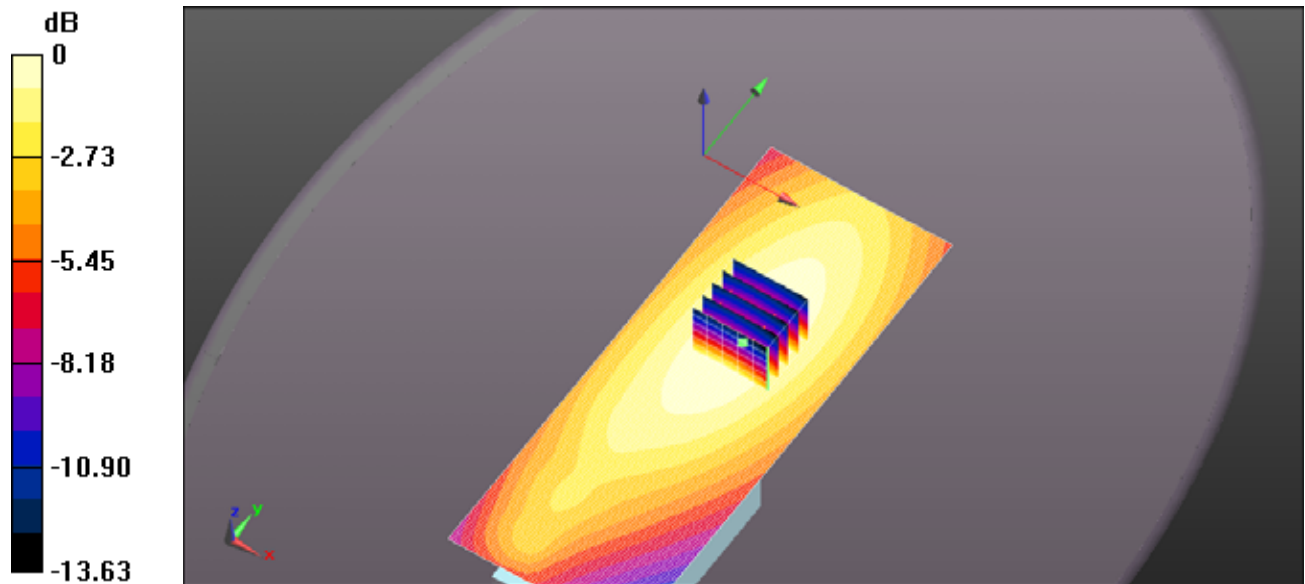
ICOM 641 FA-S82V 150 MHz Body BP303N d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.68 V/m ; Power Drift = -0.47 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.786 W/kg ; SAR(10 g) = 0.588 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.880 W/kg



0 dB = 0.932 W/kg = -0.30 dBW/kg

File Name: [The FA-S83V 160MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 160 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 160$ MHz; $\sigma = 0.767$ S/m; $\epsilon_r = 62.196$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S83V Body 160MHz BP303N/d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.71 W/kg

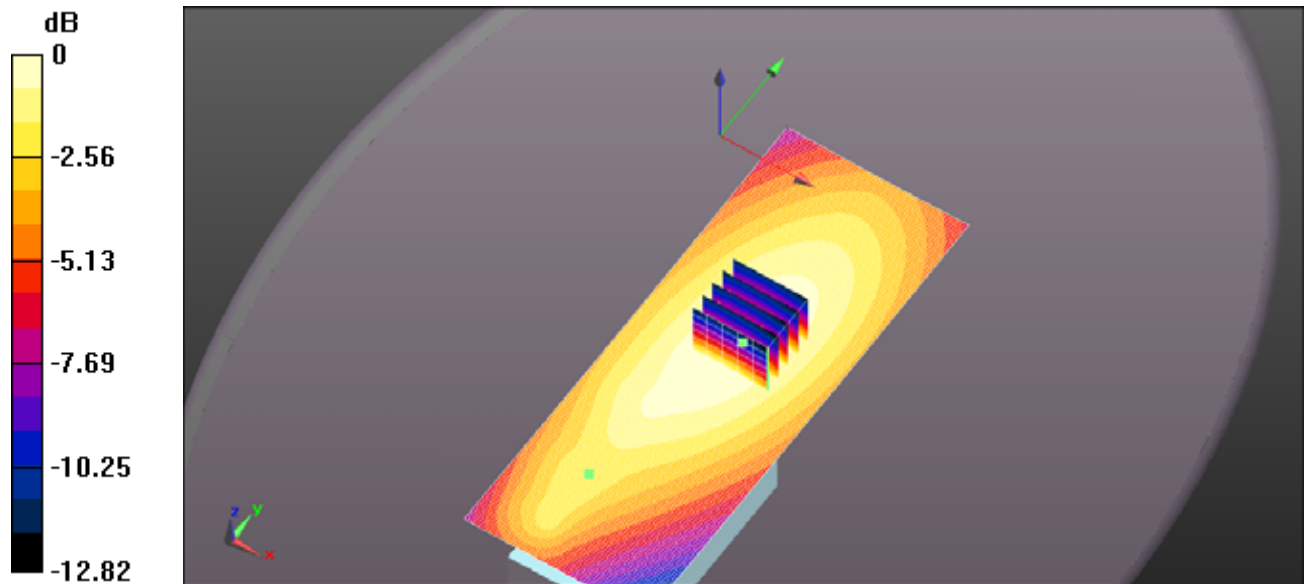
ICOM 641 FA-S83V Body 160MHz BP303N/d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 76.77 V/m; Power Drift = -0.58 dB

Peak SAR (extrapolated) = 5.70 W/kg

SAR(1 g) = 3.93 W/kg; SAR(10 g) = 2.97 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.37 W/kg



0 dB = 4.71 W/kg = 6.73 dBW/kg

File Name: [FA-S83V 174MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 174 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 174$ MHz; $\sigma = 0.775$ S/m; $\epsilon_r = 61.848$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S83V 174 MHz Body BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.44 W/kg

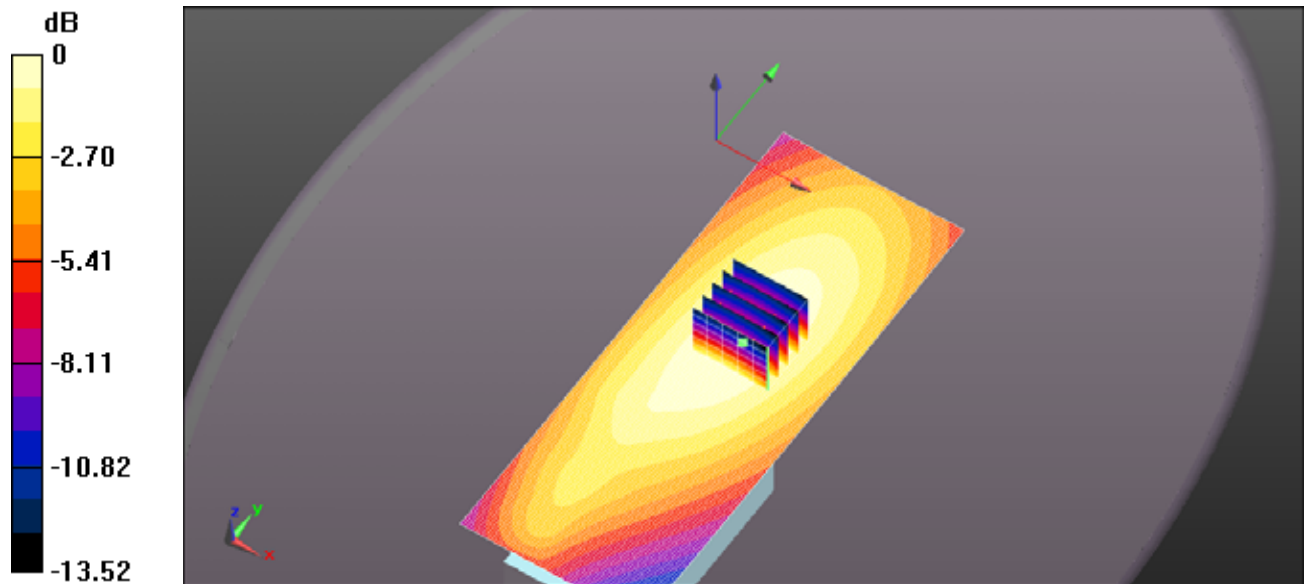
ICOM 641 FA-S83V 174 MHz Body BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 64.73 V/m; Power Drift = -0.45 dB

Peak SAR (extrapolated) = 4.39 W/kg

SAR(1 g) = 2.97 W/kg; SAR(10 g) = 2.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.34 W/kg



0 dB = 3.44 W/kg = 5.37 dBW/kg

File Name: [FA-S81VS 143MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 143 \text{ MHz}$; $\sigma = 0.766 \text{ S/m}$; $\epsilon_r = 62.089$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S81VS 143 MHz Body BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

ICOM 641 FA-S81VS 143 MHz Body BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x6x7)/Cube 0:

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

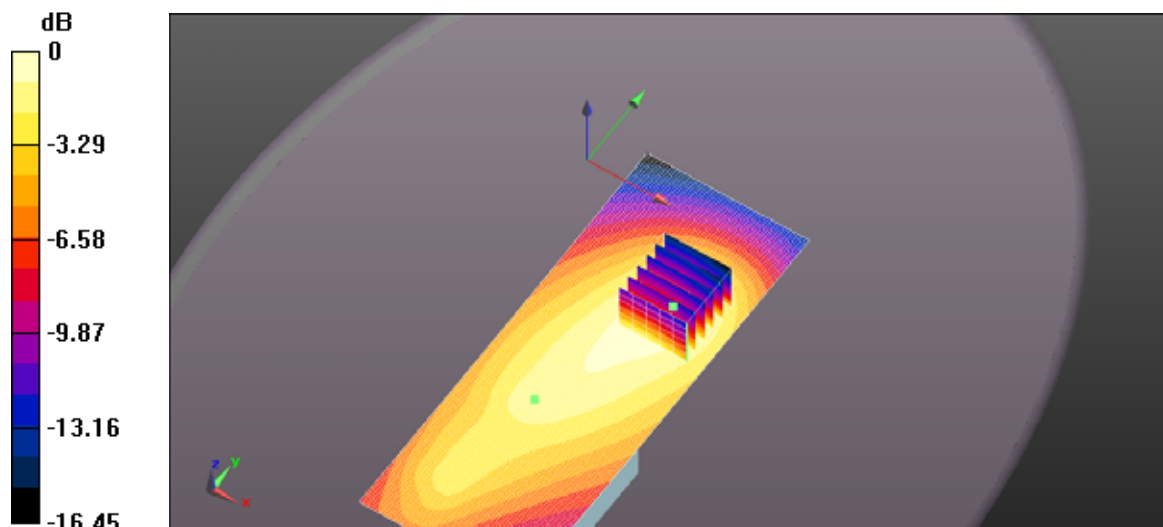
Reference Value = 33.89 V/m ; Power Drift = -0.63 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.879 W/kg ; SAR(10 g) = 0.601 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.04 W/kg = 0.15 dBW/kg

File Name: [FA-S82VS 150MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 62.049$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82VS 150 MHz Body BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.19 W/kg

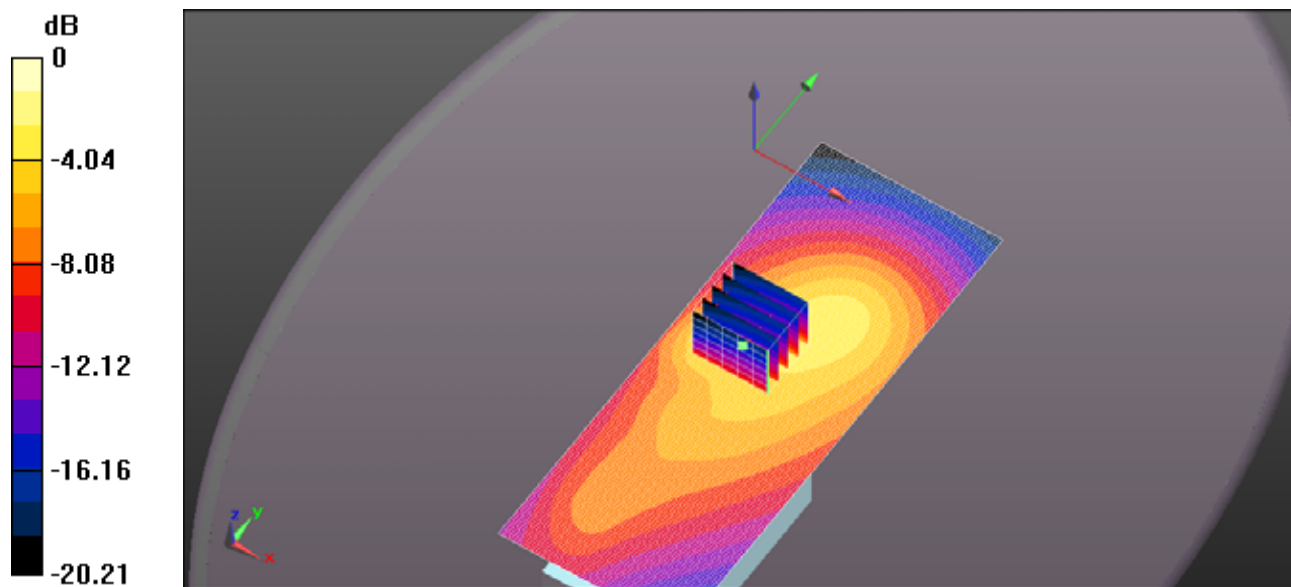
ICOM 641 FA-S82VS 150 MHz Body BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.94 V/m; Power Drift = -0.42 dB

Peak SAR (extrapolated) = 27.4 W/kg

SAR(1 g) = 5.85 W/kg; SAR(10 g) = 2.54 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.01 W/kg



0 dB = 6.19 W/kg = 7.92 dBW/kg

File Name: [FA-S82VS 162MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 162 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 162 \text{ MHz}$; $\sigma = 0.768 \text{ S/m}$; $\epsilon_r = 62.147$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82VS 162 MHz Body BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.316 W/kg

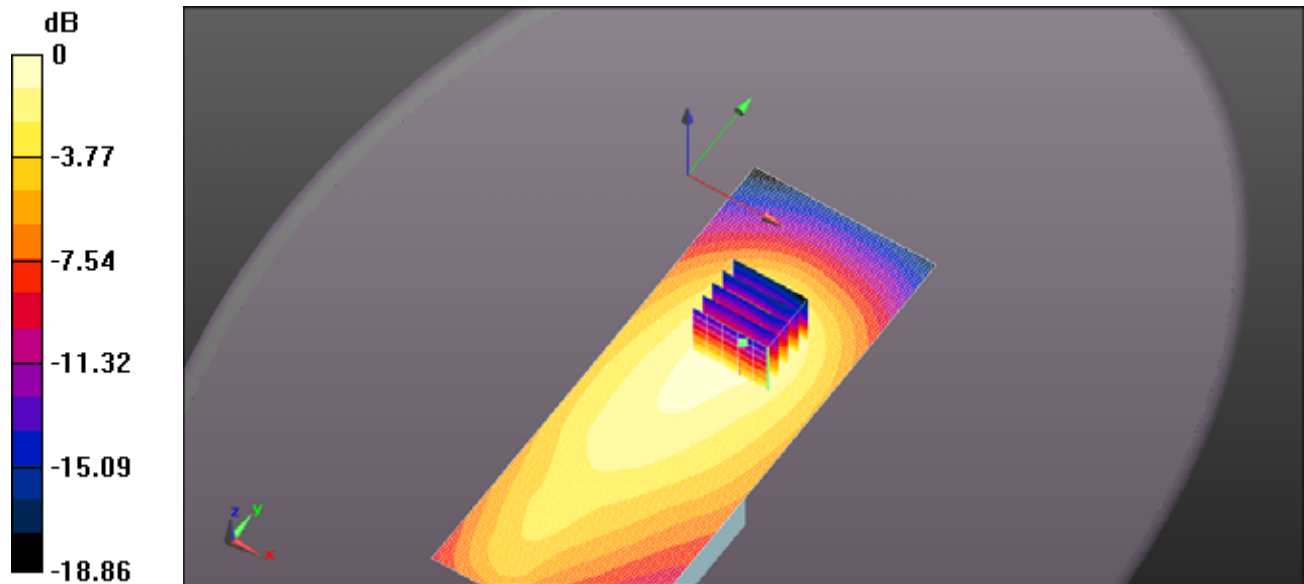
ICOM 641 FA-S82VS 162 MHz Body BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.37 V/m ; Power Drift = -2.20 dB

Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.193 W/kg ; SAR(10 g) = 0.130 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.316 W/kg = -5.01 dBW/kg

File Name: [FA-S83VS 167MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 167 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 167 \text{ MHz}$; $\sigma = 0.77 \text{ S/m}$; $\epsilon_r = 62.154$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S83VS 167 MHz Body BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

ICOM 641 FA-S83VS 167 MHz Body BP303N/Body - d=0mm, Pin=5W (ES-

Probe)/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

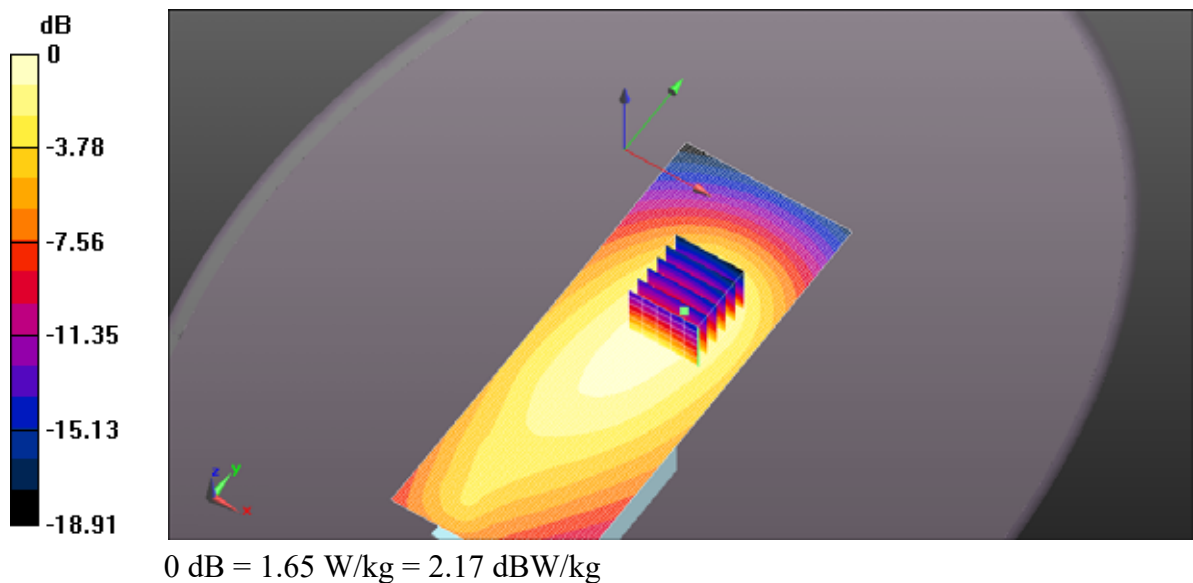
Reference Value = 43.61 V/m ; Power Drift = -0.72 dB

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 1.34 W/kg ; SAR(10 g) = 0.923 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



File Name: [FA-S67VC 136MHz ICOM-641 150MHz BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.765 \text{ S/m}$; $\epsilon_r = 62.049$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 150 MHz Body BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.27 W/kg

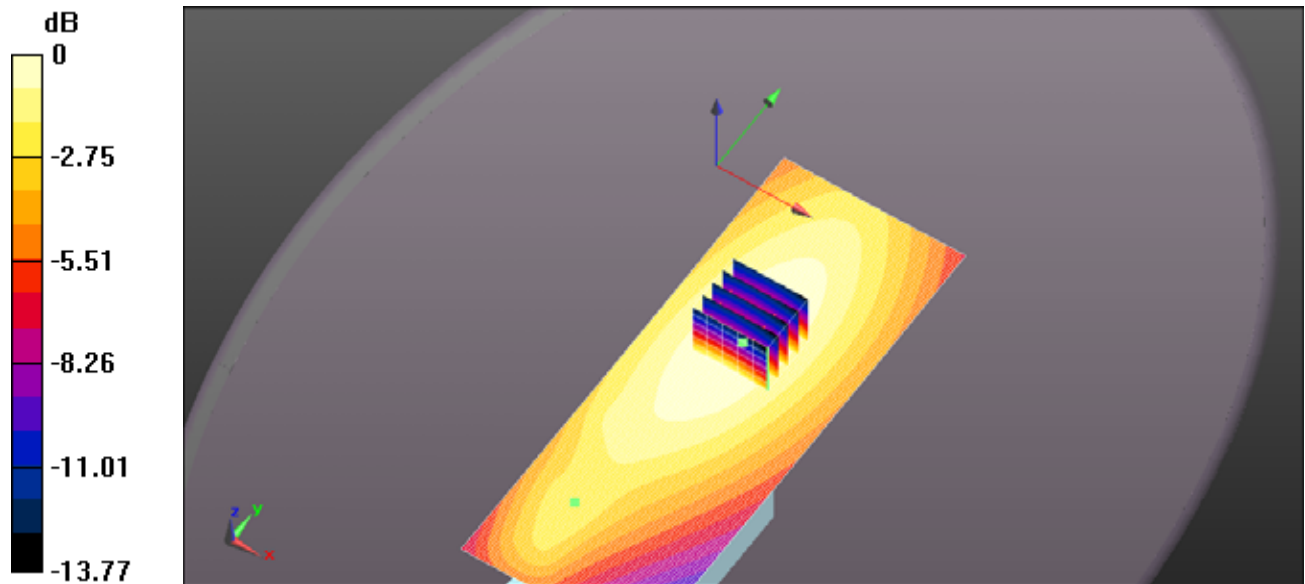
ICOM 641 FA-S67VC 150 MHz Body BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.40 V/m ; Power Drift = -0.57 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 1.09 W/kg ; SAR(10 g) = 0.823 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.27 W/kg = 1.05 dBW/kg

File Name: [FA-S67VC 136MHz ICOM-641 162MHz BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 162 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 162 \text{ MHz}$; $\sigma = 0.768 \text{ S/m}$; $\epsilon_r = 62.147$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 136 MHz Body 162MHz BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.396 W/kg

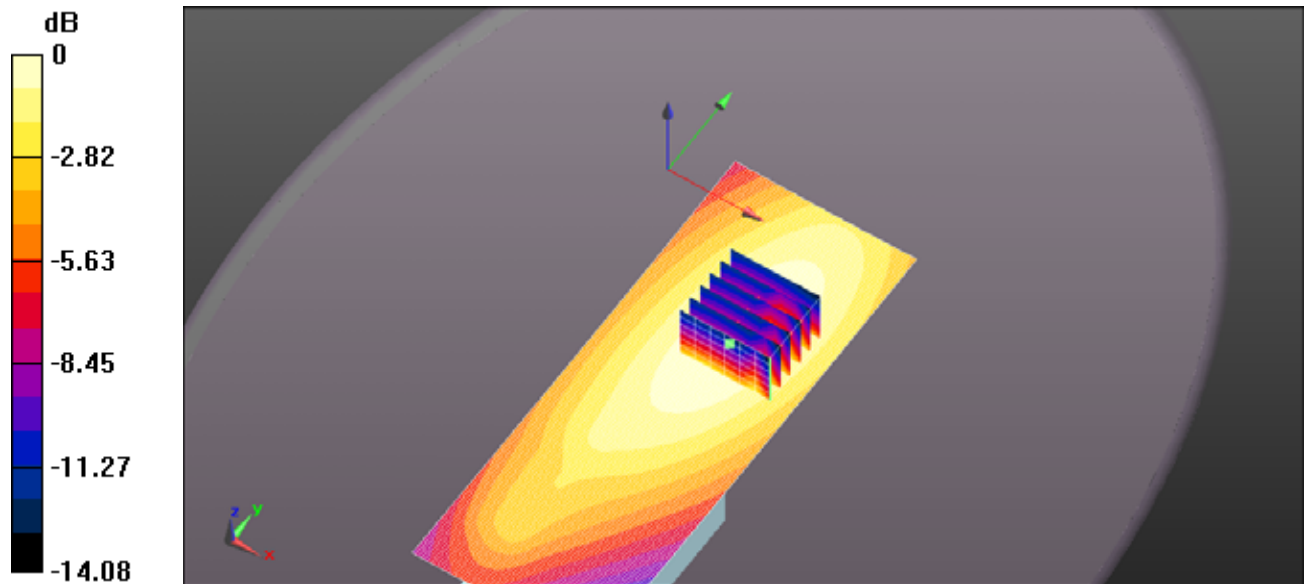
ICOM 641 FA-S67VC 136 MHz Body 162MHz BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (7x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.57 V/m ; Power Drift = -2.09 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.299 W/kg ; SAR(10 g) = 0.195 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.335 W/kg



0 dB = 0.396 W/kg = -4.02 dBW/kg

File Name: [FA-S67VC 136MHz ICOM-641 174MHz BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 174 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 174$ MHz; $\sigma = 0.775$ S/m; $\epsilon_r = 61.848$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 136 MHz Body 174MHz BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0888 W/kg

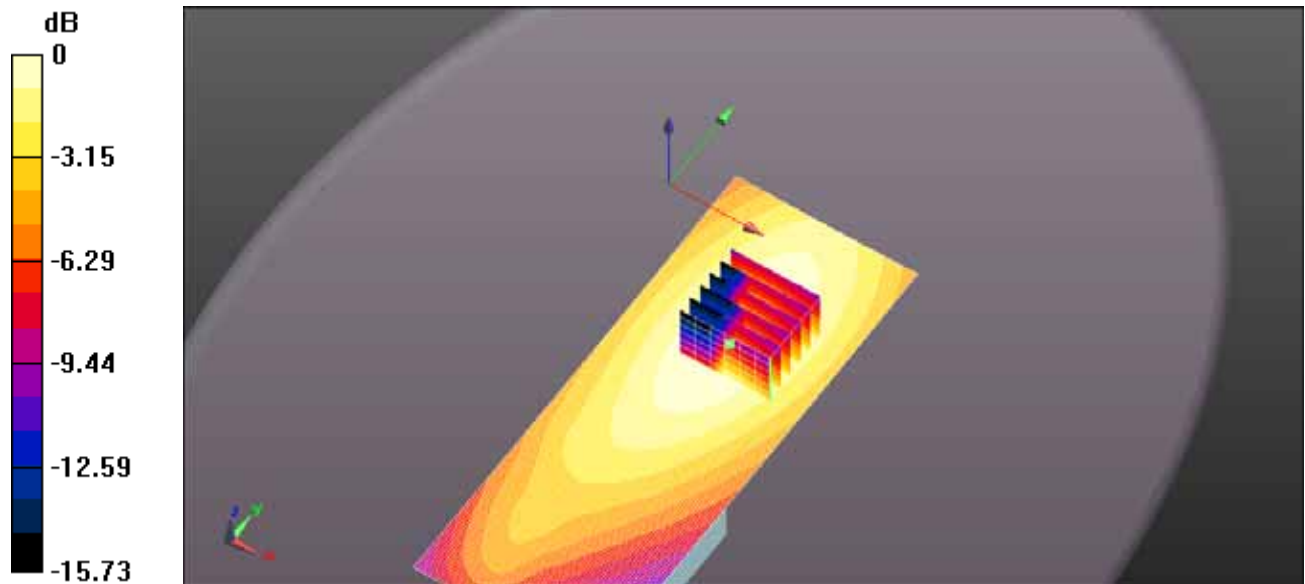
ICOM 641 FA-S67VC 136 MHz Body 174MHz BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (7x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.957 V/m; Power Drift = -4.60 dB

Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.057 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0869 W/kg



0 dB = 0.0888 W/kg = -10.52 dBW/kg

File Name: [FA-S67VC ICOM-641 155MHz BP-303N 156MHz MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 156 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 156 \text{ MHz}$; $\sigma = 0.767 \text{ S/m}$; $\epsilon_r = 62.202$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 155 MHz Body 156MHz BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.65 W/kg

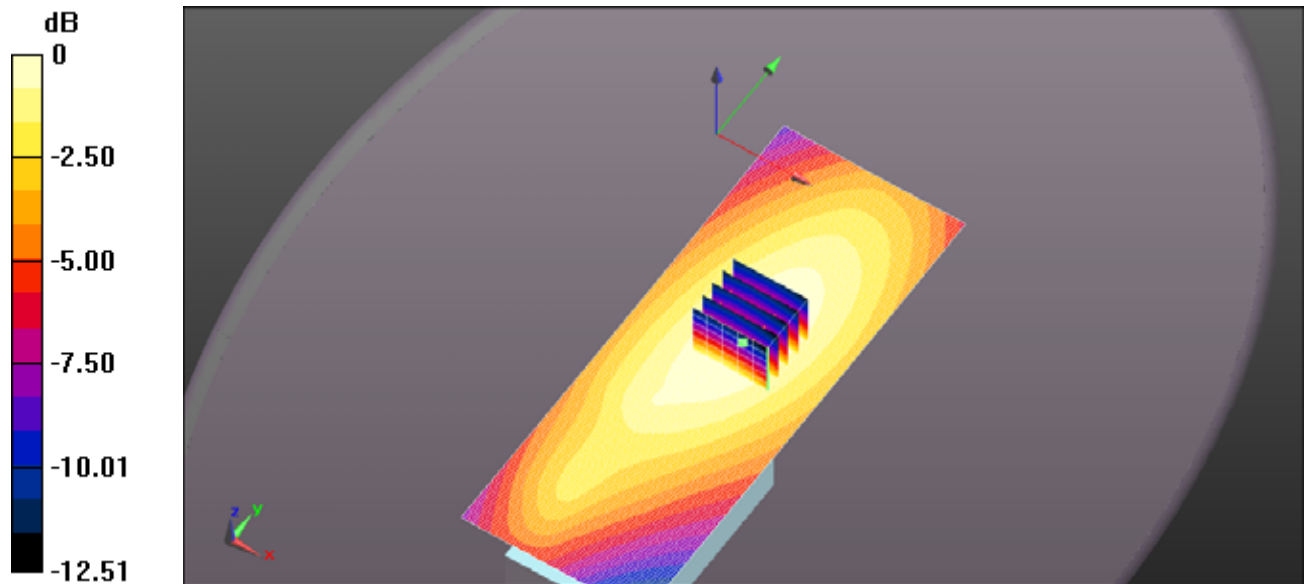
ICOM 641 FA-S67VC 155 MHz Body 156MHz BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 70.72 V/m ; Power Drift = -0.91 dB

Peak SAR (extrapolated) = 4.56 W/kg

SAR(1 g) = 3.11 W/kg ; SAR(10 g) = 2.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.47 W/kg



0 dB = 3.65 W/kg = 5.62 dBW/kg

File Name: [FA-S67VC ICOM-641 155MHz BP-303N 168MHz MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 168 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 168 \text{ MHz}$; $\sigma = 0.771 \text{ S/m}$; $\epsilon_r = 62.234$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 155 MHz Body 168MHz BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 4.93 W/kg

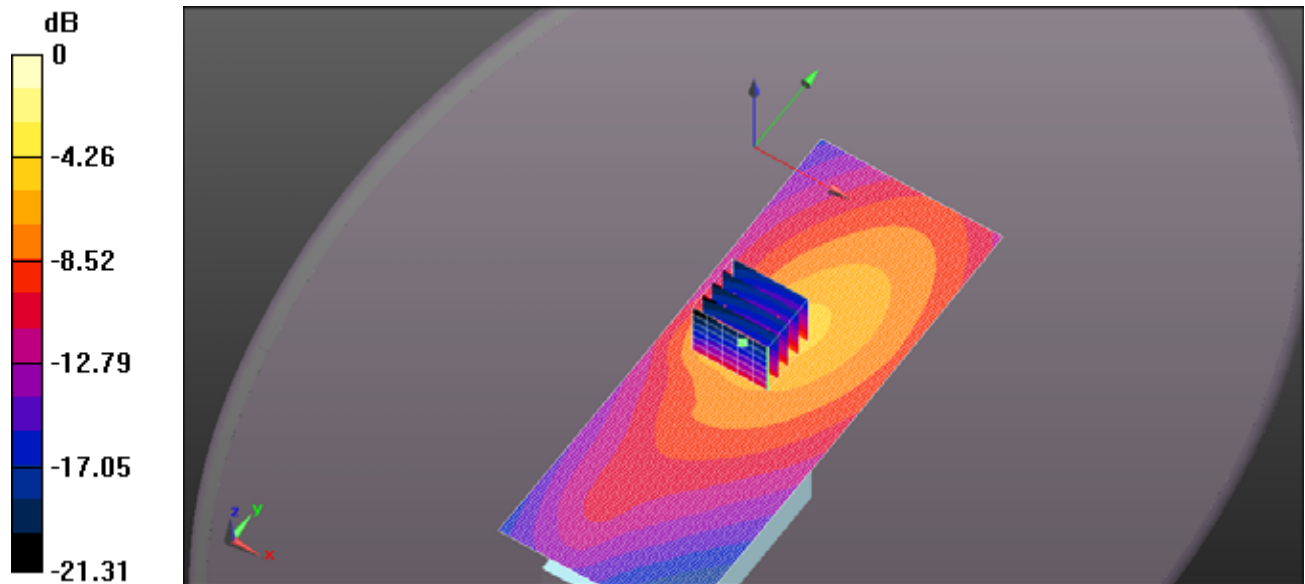
ICOM 641 FA-S67VC 155 MHz Body 168MHz BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.67 V/m ; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 3.27 W/kg ; SAR(10 g) = 1.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.56 W/kg



0 dB = 4.93 W/kg = 6.92 dBW/kg

File Name: [FA-S67VC ICOM-641 174MHz BP-303N 150MHz MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 150 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 150$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 62.049$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 174 MHz Body 150MHz BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.533 W/kg

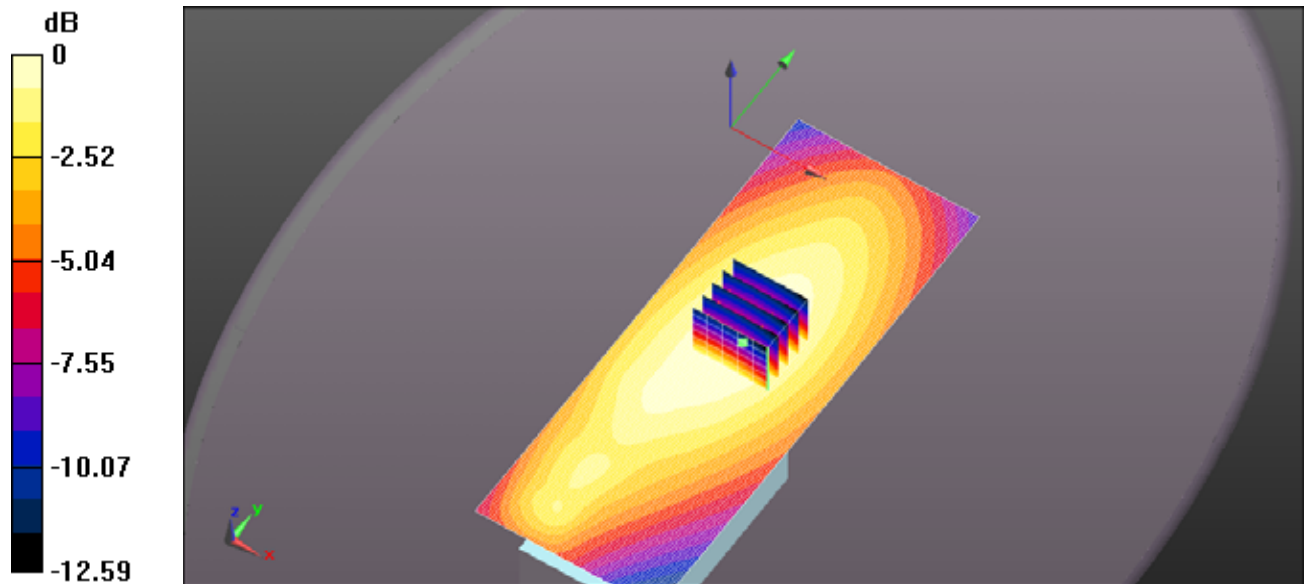
ICOM 641 FA-S67VC 174 MHz Body 150MHz BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 26.47 V/m; Power Drift = -0.58 dB

Peak SAR (extrapolated) = 0.693 W/kg

SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.344 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.515 W/kg



0 dB = 0.533 W/kg = -2.73 dBW/kg

File Name: [FA-S67VC ICOM-641 174MHz BP-303N 162MHz MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 162 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 162 \text{ MHz}$; $\sigma = 0.768 \text{ S/m}$; $\epsilon_r = 62.147$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 174 MHz Body 162MHz BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.45 W/kg

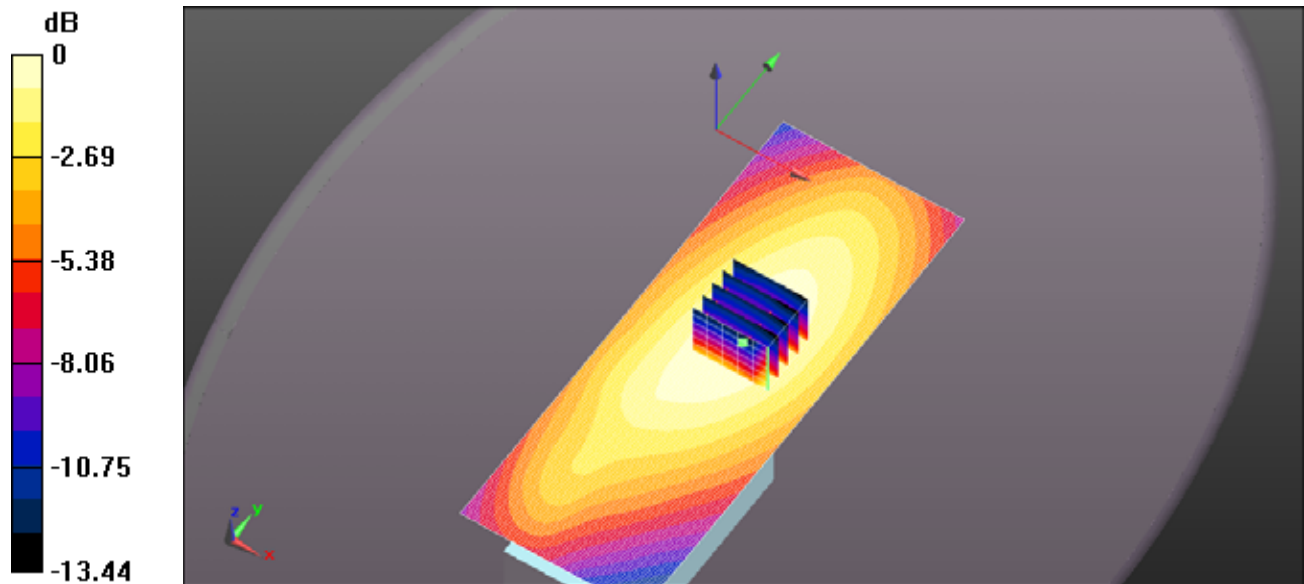
ICOM 641 FA-S67VC 174 MHz Body 162MHz BP303N/Body - d=0mm, Pin=7W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 43.23 V/m ; Power Drift = -3.94 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.562 W/kg ; SAR(10 g) = 0.417 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.932 W/kg



0 dB = 1.45 W/kg = 1.60 dBW/kg

File Name: [FA-S67VC ICOM-641 174MHz BP-303N 174MHz MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 174 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 174 \text{ MHz}$; $\sigma = 0.775 \text{ S/m}$; $\epsilon_r = 61.848$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.15, 7.32, 7.16); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 174 MHz Body 174MHz BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.05 W/kg

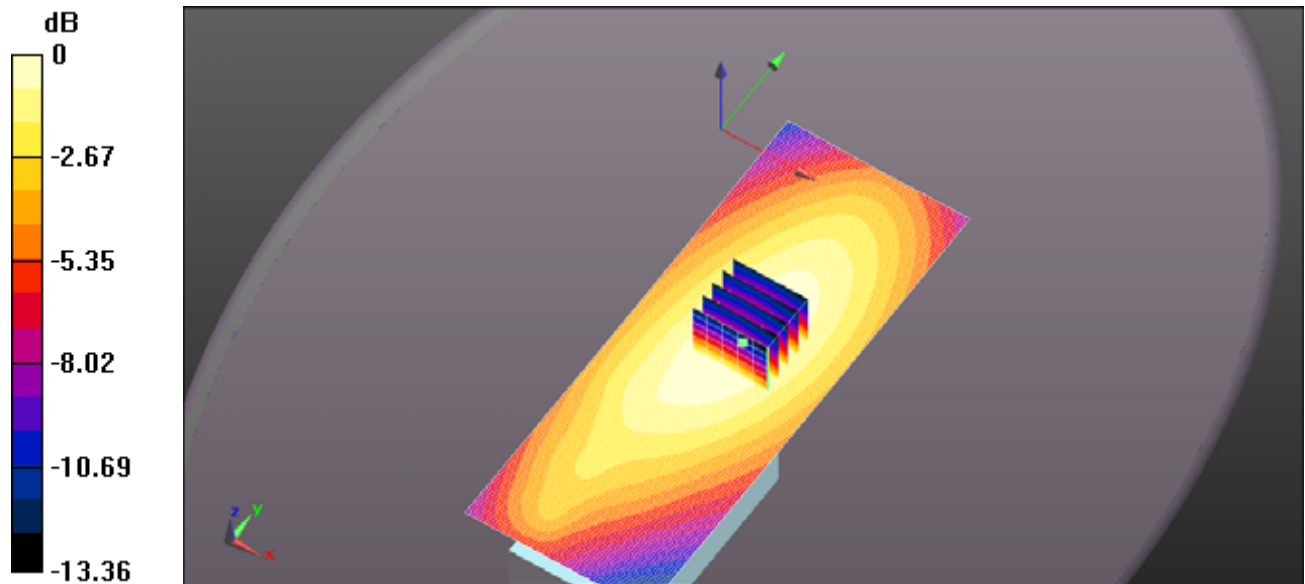
ICOM 641 FA-S67VC 174 MHz Body 174MHz BP303N/Body - d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 63.02 V/m ; Power Drift = -0.59 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.63 W/kg ; SAR(10 g) = 1.95 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.94 W/kg



File Name: [FA-S67VC 174MHz ICOM-641 136MHz BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 136 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 136 \text{ MHz}$; $\sigma = 0.764 \text{ S/m}$; $\epsilon_r = 61.716$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 174 MHz Body BP303N 136MHz/d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.966 W/kg

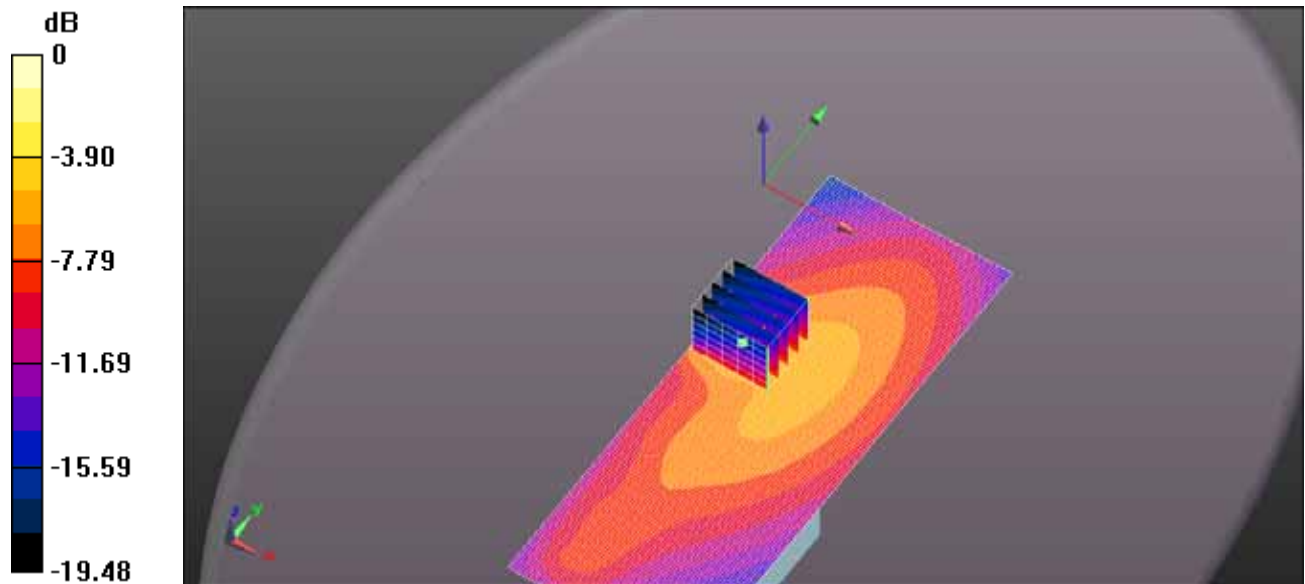
ICOM 641 FA-S67VC 174 MHz Body BP303N 136MHz/d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.95 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.52 W/kg

SAR(1 g) = 0.638 W/kg ; SAR(10 g) = 0.250 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.873 W/kg



0 dB = 0.966 W/kg = -0.15 dBW/kg

File Name: [FA-S82V 148MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 148 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 148 \text{ MHz}$; $\sigma = 0.765 \text{ S/m}$; $\epsilon_r = 62.051$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82V 150 MHz Body BP303N/d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.83 W/kg

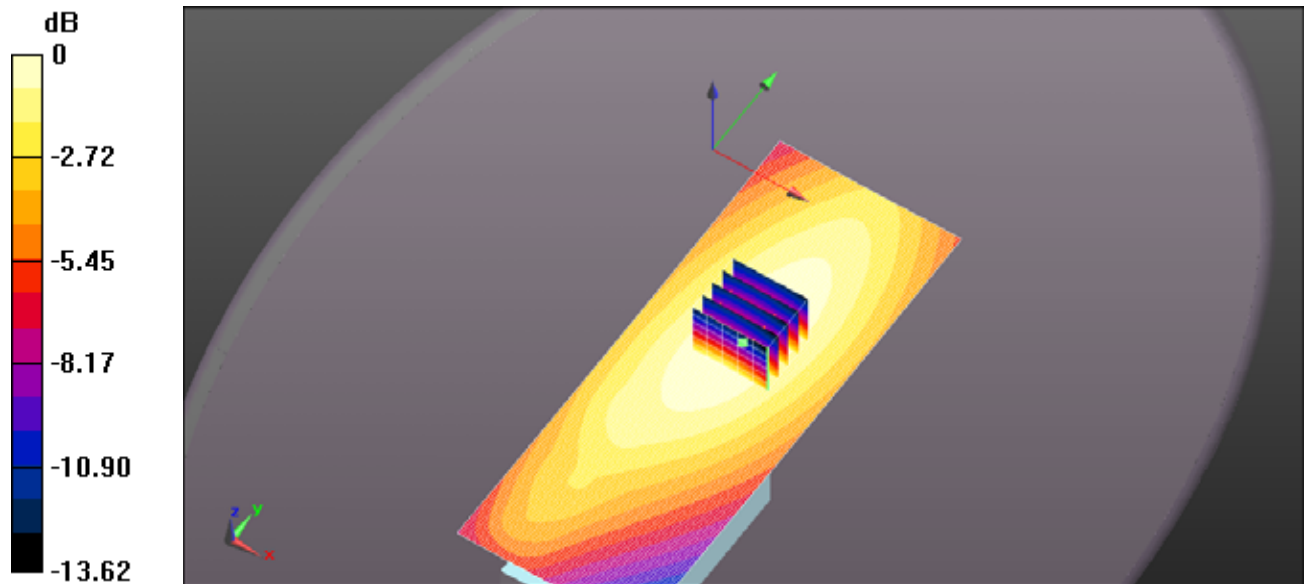
ICOM 641 FA-S82V 150 MHz Body BP303N/d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 45.38 V/m ; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 1.6 W/kg ; SAR(10 g) = 1.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.79 W/kg



0 dB = 1.83 W/kg = 2.63 dBW/kg

File Name: [FA-S82VS 148MHz ICOM-641 BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 148 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 148 \text{ MHz}$; $\sigma = 0.765 \text{ S/m}$; $\epsilon_r = 62.051$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S82VS 150 MHz Body BP303N/d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.09 W/kg

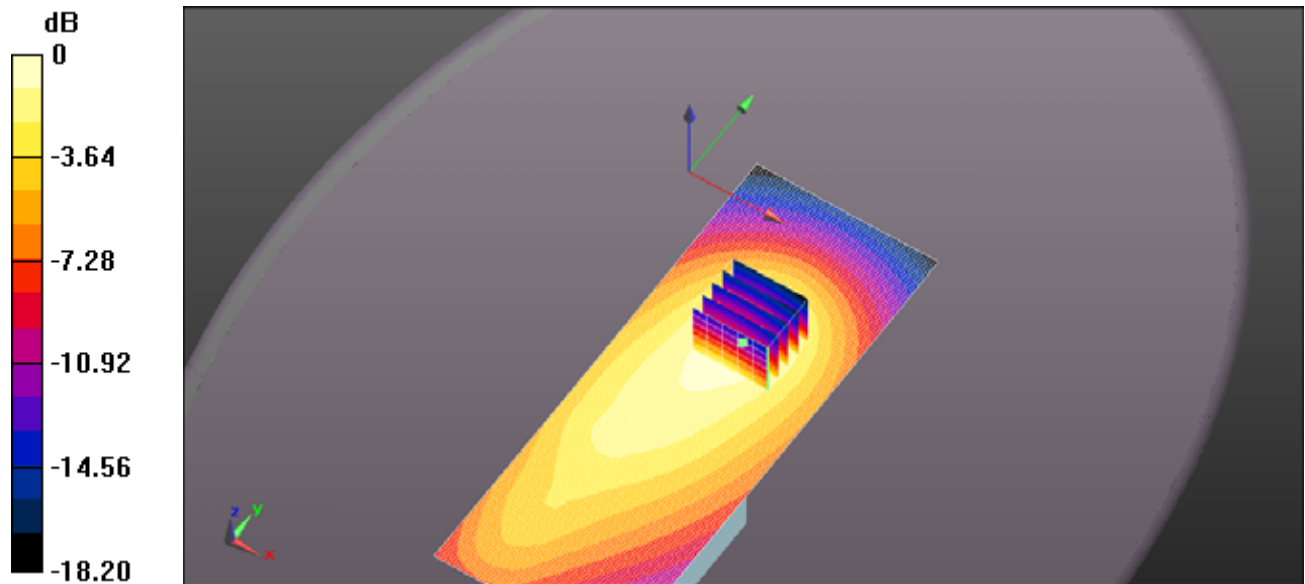
ICOM 641 FA-S82VS 150 MHz Body BP303N/d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 41.41 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 1.72 W/kg ; SAR(10 g) = 1.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 2.09 W/kg = 3.21 dBW/kg

File Name: [FA-S67VC 136MHz ICOM-641 136MHz BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 136 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 136 \text{ MHz}$; $\sigma = 0.764 \text{ S/m}$; $\epsilon_r = 61.716$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 136 MHz Body BP303N 136MHz/d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.52 W/kg

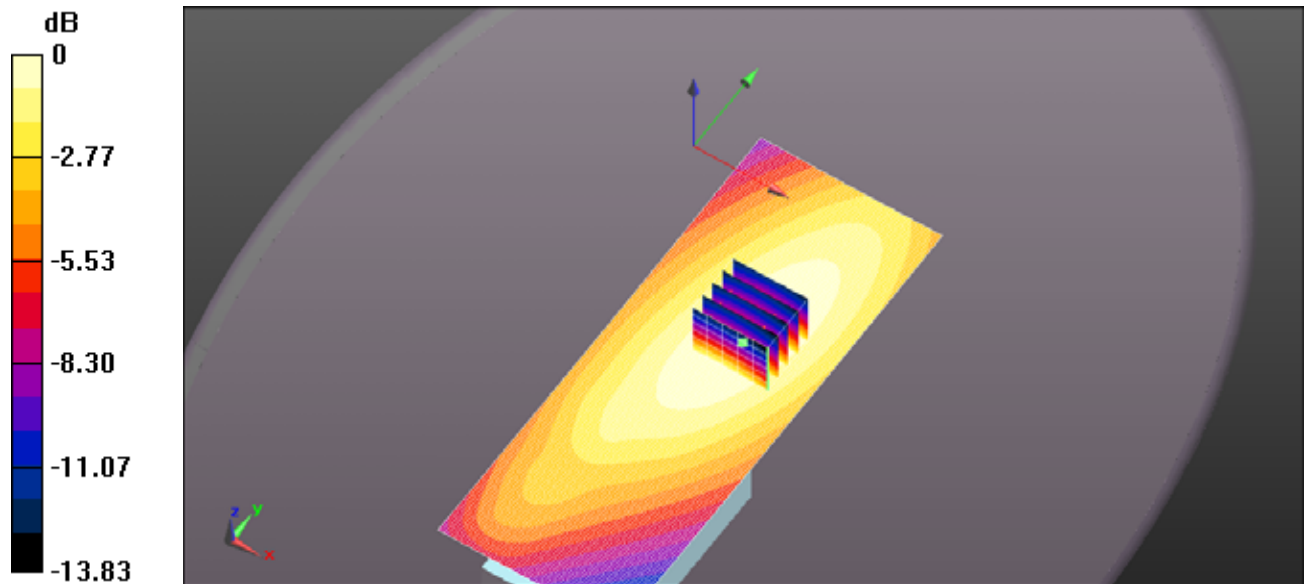
ICOM 641 FA-S67VC 136 MHz Body BP303N 136MHz/d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.86 V/m ; Power Drift = -0.55 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 1.29 W/kg ; SAR(10 g) = 0.970 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

File Name: [FA-S67VC 155MHz ICOM-641 143MHz BP-303N MB133.da52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number

Communication System: UID 0, CW (0); Frequency: 143 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 143$ MHz; $\sigma = 0.766$ S/m; $\epsilon_r = 62.089$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.26, 7.47, 7.34); Calibrated: 3/20/2026;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 7/29/2025
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

ICOM 641 FA-S67VC 155 MHz Body BP303N 143MHz/d=0mm, Pin=5W (ES-Probe)/Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.950 W/kg

ICOM 641 FA-S67VC 155 MHz Body BP303N 143MHz/d=0mm, Pin=5W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

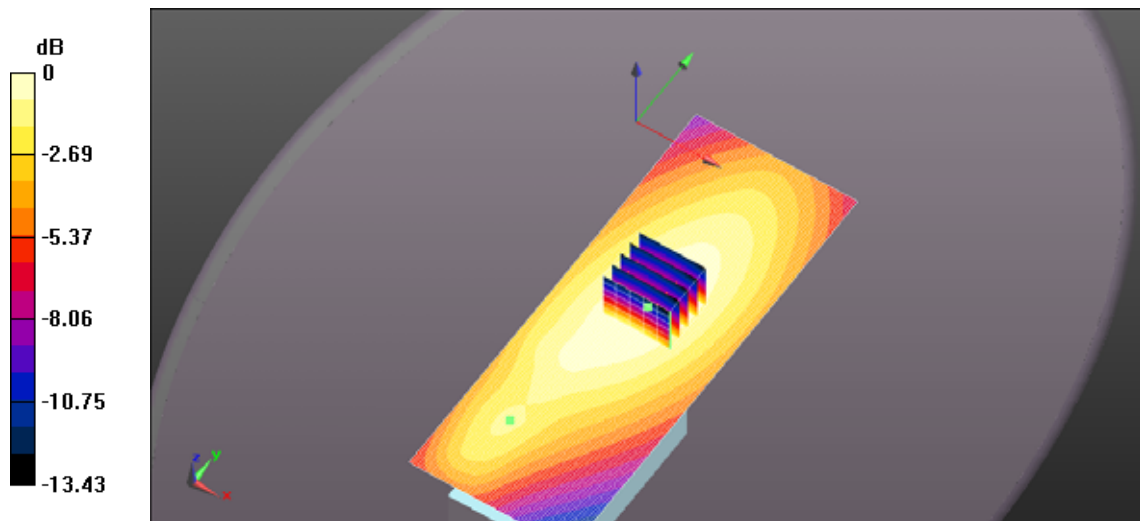
Reference Value = 34.06 V/m; Power Drift = -0.37 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.828 W/kg; SAR(10 g) = 0.622 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.926 W/kg



0 dB = 0.950 W/kg = -0.22 dBW/kg

Bluetooth

Power (mW)	CH	CH. Freq (MHz)	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift (dB)
			BP-316	BP-316	
10.3	0	2402	<0.001	<0.001	NA
10.1	39	2440	<0.001	<0.001	NA
9.3	78	2480	<0.001	<0.001	NA

Power (mW)	CH	CH. Freq (MHz)	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift (dB)
			BP-316	BP-316	
10.3	0	2402	<0.001	<0.001	NA
10.1	39	2440	<0.001	<0.001	NA
9.3	78	2480	<0.001	<0.001	NA

NA: No power drift as all area scans completed with no detectable hot spots for the zoom scan to analyze.

The measured SAR for the new 12.8mW BT module UT-136A was found to be less than 0.001 W/Kg.