

Date: 2024-03-19

System Check_Head_6500MHz**DUT: D6.5GHzV2 - SN1083**

Communication System: CW; Frequency: 6500.000 MHz

Medium: HSL_6G_240319 Medium parameters used: $f = 6500.000$ MHz; $\sigma = 6.09$ S/m; $\epsilon_r = 34.7$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7785; ConvF(4.88, 4.81, 4.7); Calibrated: 2023-11-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1800; Calibrated: 2023-05-31
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2144; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW

Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 23.5 W/kg; SAR (10g) = 4.54 W/kg;

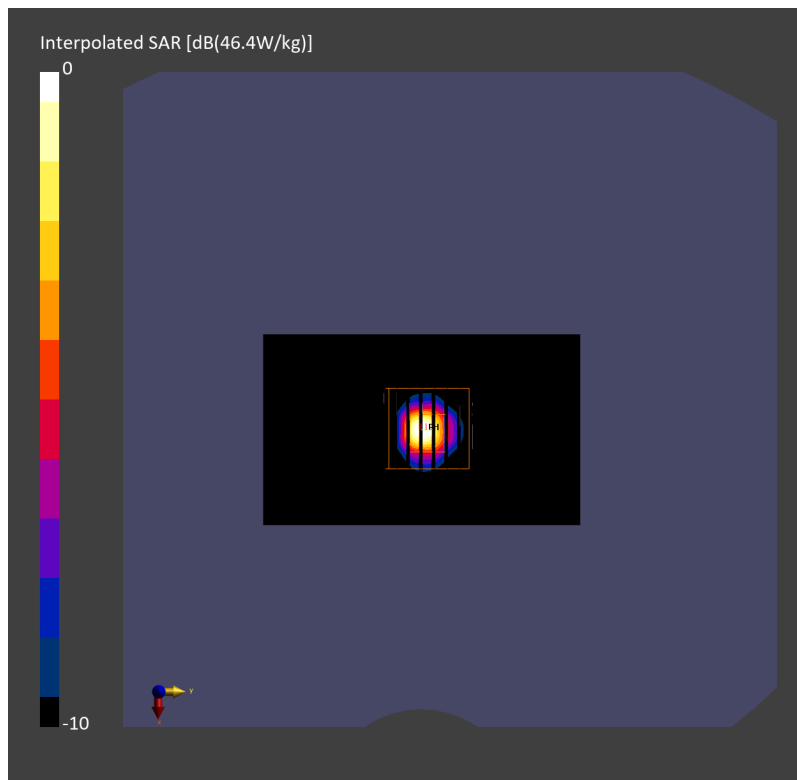
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = 0.00 dB

SAR (1g) = 27.0 W/kg; SAR (8g) = 6.11 W/kg; SAR (10g) = 5.02 W/kg

Smallest distance from peaks to all points 3 dB below = 4.6 mm

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

psAPD (1.0cm², sq) = 270 [W/m²]; psAPD (4.0cm², sq) = 122 [W/m²]

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Communication System: CW; Frequency: 6500.000 MHz

Medium: HSL_6G_240319 Medium parameters used: $f = 6500.000$ MHz; $\sigma = 6.09$ S/m; $\epsilon_r = 34.7$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7694; ConvF(5.2, 5.2, 5.2); Calibrated: 2023-10-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1800; Calibrated: 2023-05-31
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2144; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW

Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 22.7 W/kg; SAR (10g) = 4.53 W/kg;

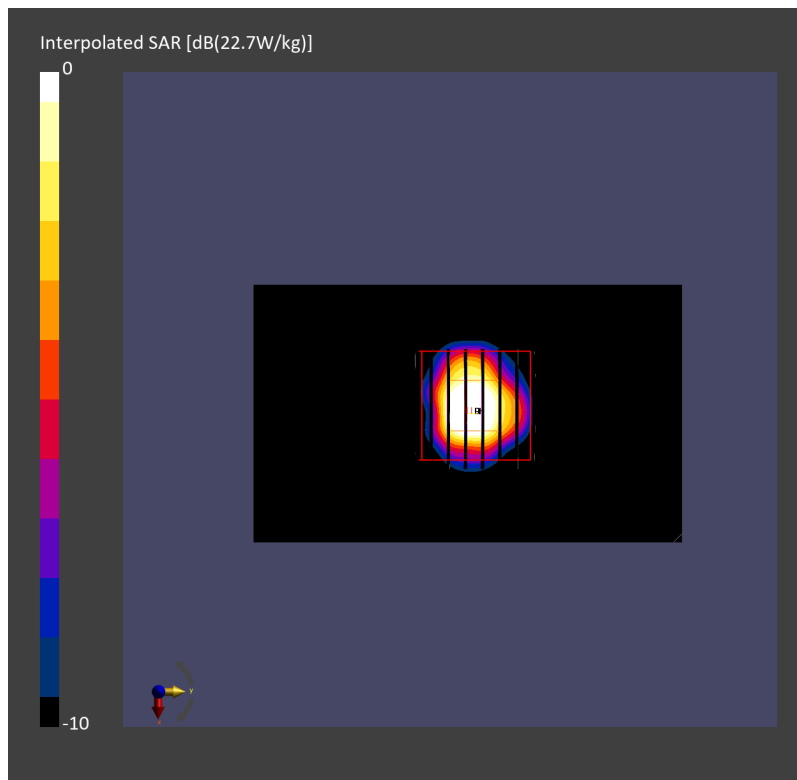
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = 0.05 dB

SAR (1g) = 26.8 W/kg; SAR (8g) = 6.08 W/kg; SAR (10g) = 5.00 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 51.0 %

psAPD (1.0cm², sq) = 268 [W/m²]; psAPD (4.0cm², sq) = 122 [W/m²]

Date: 2024-03-21

System Check_Head_6500MHz**DUT: D6.5GHzV2 - SN1083**

Communication System: CW; Frequency: 6500.000 MHz

Medium: HSL_6G_240321 Medium parameters used: $f = 6500.000$ MHz; $\sigma = 6.15$ S/m; $\epsilon_r = 34.6$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7785; ConvF(4.88, 4.81, 4.7); Calibrated: 2023-11-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1800; Calibrated: 2023-05-31
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2144; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW

Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 23.6 W/kg; SAR (10g) = 4.54 W/kg;

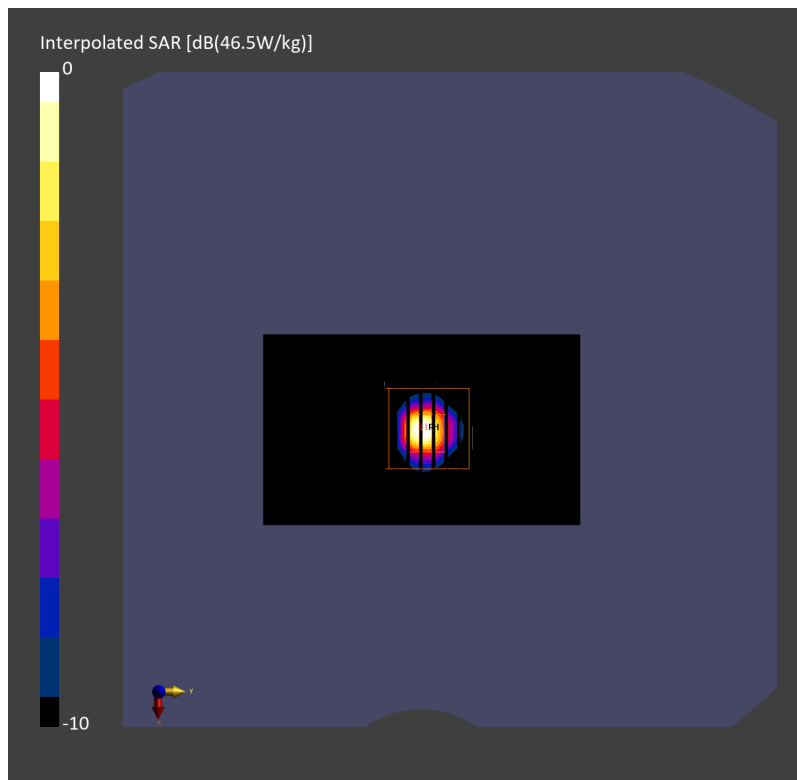
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = 0.00 dB

SAR (1g) = 27.2 W/kg; SAR (8g) = 6.16 W/kg; SAR (10g) = 5.06 W/kg

Smallest distance from peaks to all points 3 dB below = 4.6 mm

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

psAPD (1.0cm², sq) = 272 [W/m²]; psAPD (4.0cm², sq) = 123 [W/m²]

Date: 2024-03-24

System Check_Head_6500MHz**DUT: D6.5GHzV2 - SN1083**

Communication System: CW; Frequency: 6500.000 MHz

Medium: HSL_6G_240324 Medium parameters used: $f = 6500.000$ MHz; $\sigma = 6.17$ S/m; $\epsilon_r = 34.7$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7785; ConvF(4.88, 4.81, 4.7); Calibrated: 2023-11-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1800; Calibrated: 2023-05-31
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2144; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW

Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 25.2 W/kg; SAR (10g) = 4.86 W/kg;

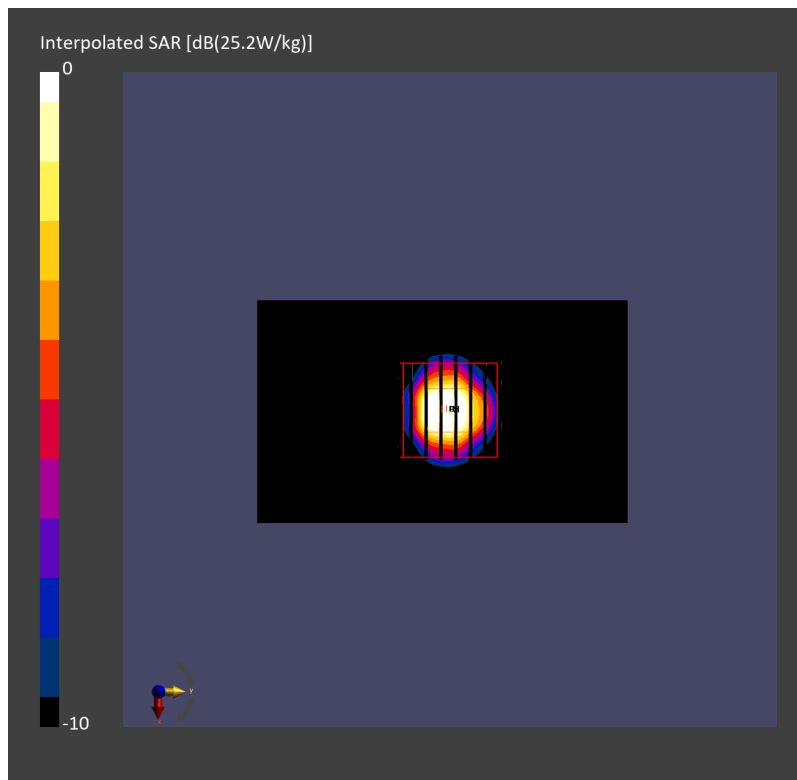
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = -0.03 dB

SAR (1g) = 28.7 W/kg; SAR (8g) = 6.48 W/kg; SAR (10g) = 5.32 W/kg

Smallest distance from peaks to all points 3 dB below = 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 50.4 %

psAPD (1.0cm², sq) = 287 [W/m²]; psAPD (4.0cm², sq) = 130 [W/m²]

Date: 2024-03-26

System Check_Head_6500MHz**DUT: D6.5GHzV2 - SN1083**

Communication System: CW; Frequency: 6500.000 MHz

Medium: HSL_6G_240326 Medium parameters used: $f = 6500.000$ MHz; $\sigma = 6.16$ S/m; $\epsilon_r = 35.1$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7785; ConvF(4.88, 4.81, 4.7); Calibrated: 2023-11-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1800; Calibrated: 2023-05-31
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2144; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW

Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 24.8 W/kg; SAR (10g) = 4.96 W/kg;

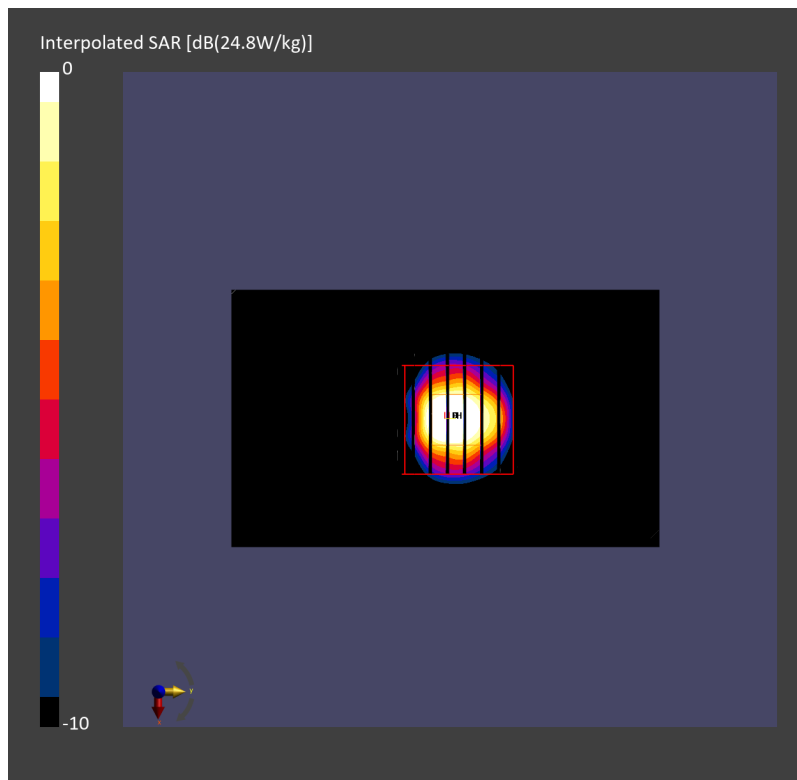
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = -0.13 dB

SAR (1g) = 27.3 W/kg; SAR (8g) = 6.16 W/kg; SAR (10g) = 5.06 W/kg

Smallest distance from peaks to all points 3 dB below = 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 50.5 %

psAPD (1.0cm², sq) = 273 [W/m²]; psAPD (4.0cm², sq) = 123 [W/m²]

Date: 2025-02-12

System Check_Head_6500MHz**DUT: D6.5GHzV2 - SN1083**

Communication System: CW; Frequency: 6500.000 MHz; Duty Cycle: 1:1

Medium: HSL_6G_250212 Medium parameters used: $f = 6500.000$ MHz; $\sigma = 5.86$ S/m; $\epsilon_r = 33.5$

Ambient Temperature: 23.6°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7902; ConvF(5.07, 5.09, 4.97); Calibrated: 2024-12-16
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn854; Calibrated: 2024-08-14
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2149; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW, 0--

Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 24.8 W/kg; SAR (10g) = 4.88 W/kg;

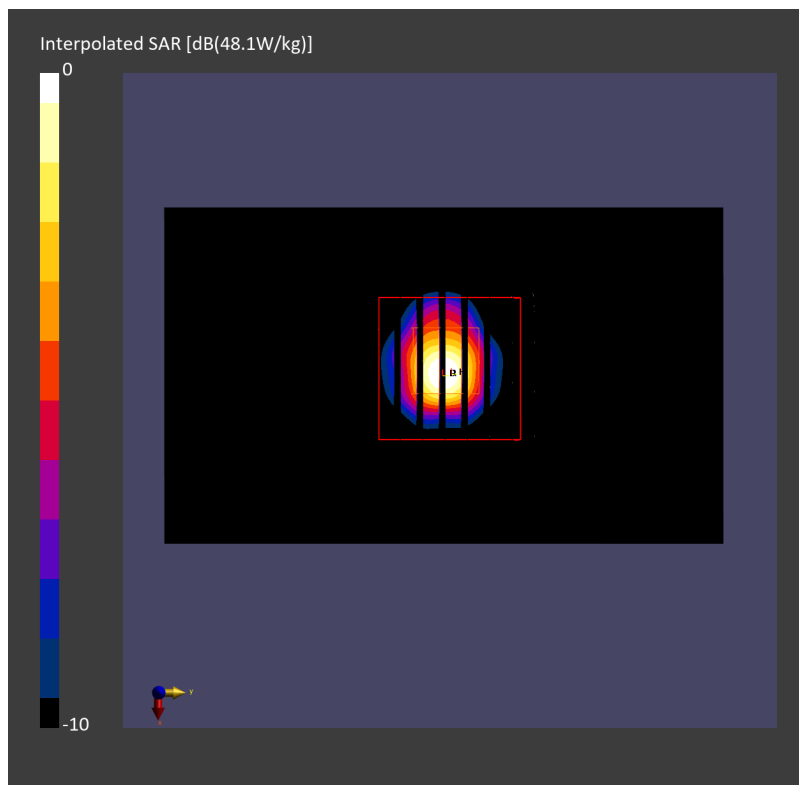
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = 0.04 dB

SAR (1g) = 28.4 W/kg; SAR (8g) = 6.51 W/kg; SAR (10g) = 5.34 W/kg

Smallest distance from peaks to all points 3 dB below = 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 53.7 %

psAPD (1.0cm², sq) = 284 [W/m²]; psAPD (4.0cm², sq) = 130 [W/m²]

Measurement Report for Device

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	Software Version	DUT Type
Device,	70.0 x 50.0 x 8.0	3.2.0.1840	5G Verification Source

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	FRONT, 10.00	10000.0	1.0

Hardware Setup

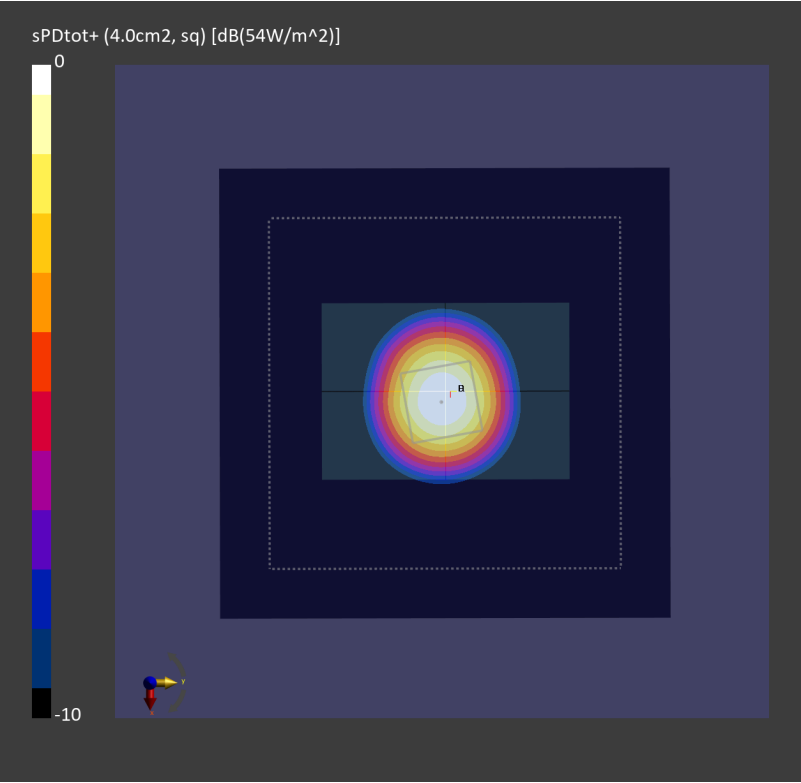
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1044	Air –	EUmmWV4 – SN9441_F1–55GHz, 2023–11–17	DAE4 Sn1694, 2023–11–17

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Date	2024–03–14
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	53.8
psPDtot+ [W/m ²]	54.0
H _{max} [A/m]	0.401
E _{max} [V/m]	152
max _(Stot) [W/m ²]	60.5
Power Drift [dB]	0.11
IPDn	97.4



Measurement Report for Device

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	Software Version	DUT Type
Device,	70.0 x 50.0 x 8.0	3.2.0.1840	5G Verification Source

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	FRONT, 10.00	10000.0	1.0

Hardware Setup

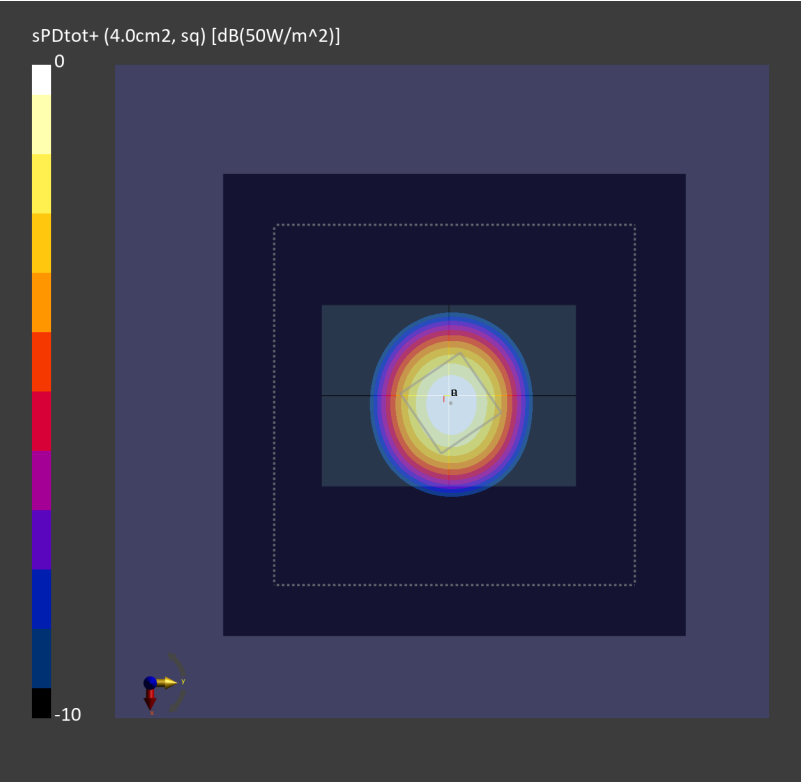
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1044	Air –	EUmmWV4 – SN9441_F1–55GHz, 2023–11–17	DAE4 Sn661, 2023–05–23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Date	2024–03–28
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	49.9
psPDtot+ [W/m ²]	50.0
H _{max} [A/m]	0.388
E _{max} [V/m]	147
max _(Stot) [W/m ²]	56.2
Power Drift [dB]	0.10
IPDn	91.5



Measurement Report for Device

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	Software Version	DUT Type
Device,	100.0 x 100.0 x 172.0	3.2.0.1840	5G Verification Source

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	FRONT, 10.00	10000.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1207	Air –	EUmmWV3 – SN9424_F1–55GHz, 2024–03–12	DAE4 Sn854, 2024–08–14

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Date	2025-02-13
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	57.0
psPDtot+ [W/m ²]	57.4
H _{max} [A/m]	0.443
E _{max} [V/m]	155
max _(Stot) [W/m ²]	67.3
Power Drift [dB]	0.03

