

PCS 1900: GPRS-FDD (TDMA, GMSK, TN 0-1), CHEEK

Exposure Conditions

Band	PCS 1900	TSL Permittivity	42.8
Frequency [MHz] Channel Number	1909.800 810	TSL Conductivity [S/m]	1.36
Group UID	GSM 10024-DAC	Phantom Section TSL	LeftHead HSL
Conversion Factor	7.81	Test Distance [mm]	0.00

Hardware Setup

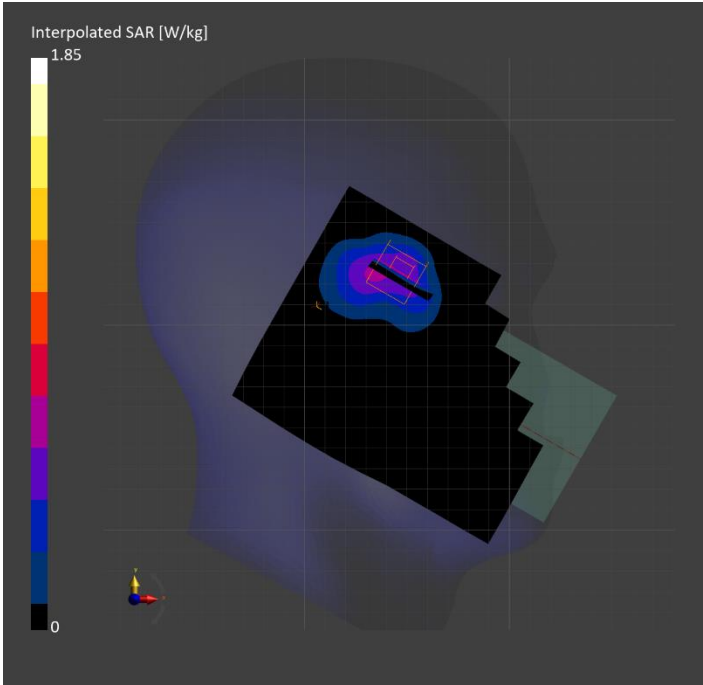
Probe Calibration Date	EX3DV4 - SN7908 2025-03-03	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1433 2025-02-05	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	34.2 x 34.2 x 33.4
Grid Steps [mm]	15.0 x 15.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		77.1
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		4.7
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.85, 47.1, 327.1, -169.6

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.532	0.758
psSAR10g [W/Kg]	0.304	0.344
Power Drift [±0.2 dB]	N/A	-0.05



Band 2: UMTS-FDD (WCDMA), TILT

Exposure Conditions

Band	Band 2	TSL Permittivity	42.9
Frequency [MHz] Channel Number	1852.400 9262	TSL Conductivity [S/m]	1.32
Group UID	WCDMA 10011-CAC	Phantom Section TSL	RightHead HSL
Conversion Factor	7.81	Test Distance [mm]	0.00

Hardware Setup

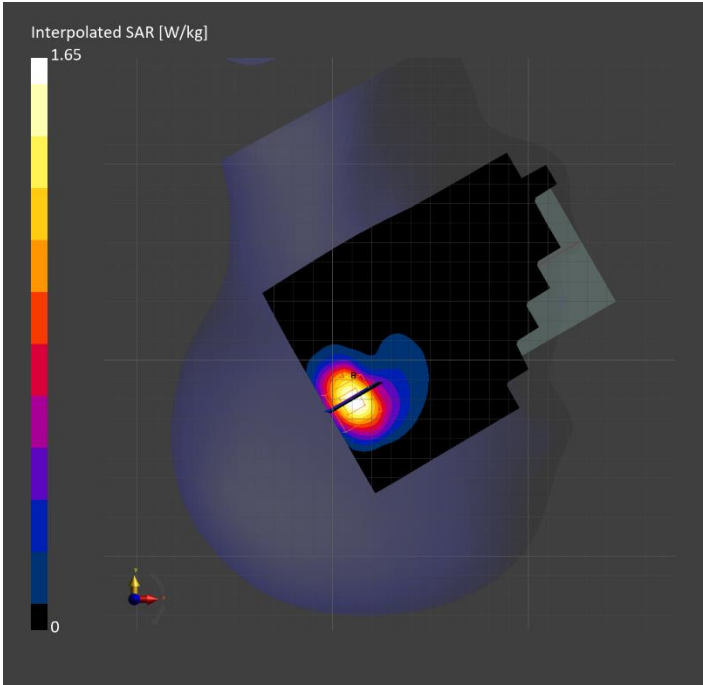
Probe Calibration Date	EX3DV4 - SN7908 2025-03-03	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1433 2025-02-05	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	31.2 x 31.2 x 31.2
Grid Steps [mm]	15.0 x 15.0	5.2 x 5.2 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		80.9
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		7.0
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.65, 9.3, -321.1, -168.8

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.845	0.821
psSAR10g [W/Kg]	0.440	0.404
Power Drift [±0.2 dB]	N/A	-0.04



Band 48: LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)

AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band 48	TSL Permittivity	38.2
Frequency [MHz] Channel Number	3646.700 56207	TSL Conductivity [S/m]	3.00
Group UID	LTE-TDD 10512-AAG	Phantom Section TSL	RightHead HSL
Conversion Factor	5.73	Test Distance [mm]	0.00

Hardware Setup

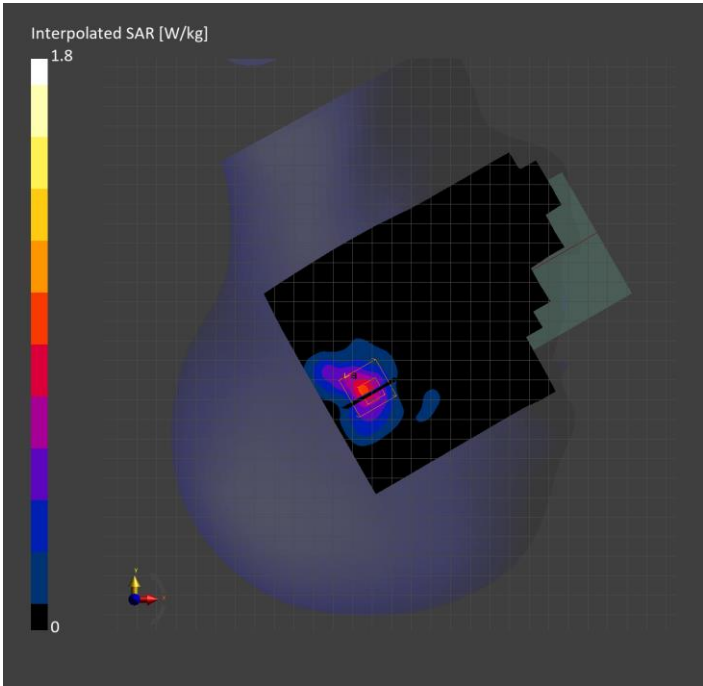
Probe Calibration Date	EX3DV4 - SN3749 2025-01-13	Phantom	Twin-SAM V5.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1380 2025-02-06	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	31.2 x 31.2 x 33.4
Grid Steps [mm]	10.0 x 10.0	3.9 x 3.9 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		78.4
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		5.3
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.80, 19.2, -315.5, -169.8

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.651	0.729
psSAR10g [W/Kg]	0.263	0.273
Power Drift [±0.2 dB]	N/A	0.06



Band n41: 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, $\pi/2$ BPSK, 30 kHz) RBPosition:Low

AntennaCfg:SISO, TILT

Exposure Conditions

Band	Band n41	TSL Permittivity	38.5
Frequency [MHz] Channel Number	2592.990 518598	TSL Conductivity [S/m]	1.86
Group UID	5G NR FR1 TDD 10866-AAF	Phantom Section TSL	LeftHead HSL
Conversion Factor	6.97	Test Distance [mm]	0.00

Hardware Setup

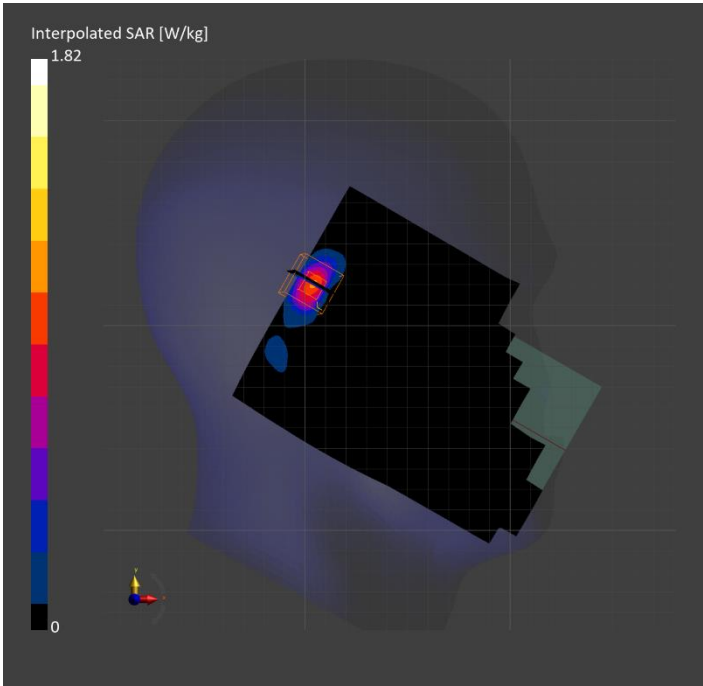
Probe Calibration Date	EX3DV4 - SN3885 2024-11-05	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1359 2025-01-08	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		79.0
Dist 3dB Peak [> Grid Steps $\Delta x, \Delta y$ mm]		6.1
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.82, 3.0, 320.3, -162.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.759	0.772
psSAR10g [W/Kg]	0.266	0.285
Power Drift [± 0.2 dB]	N/A	0.02



Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	40.4
Frequency [MHz] Channel Number	2437.000 6	TSL Conductivity [S/m]	1.66
Group UID	WLAN 10415-AAA	Phantom Section TSL	LeftHead HSL
Conversion Factor	8.17	Test Distance [mm]	0.00

Hardware Setup

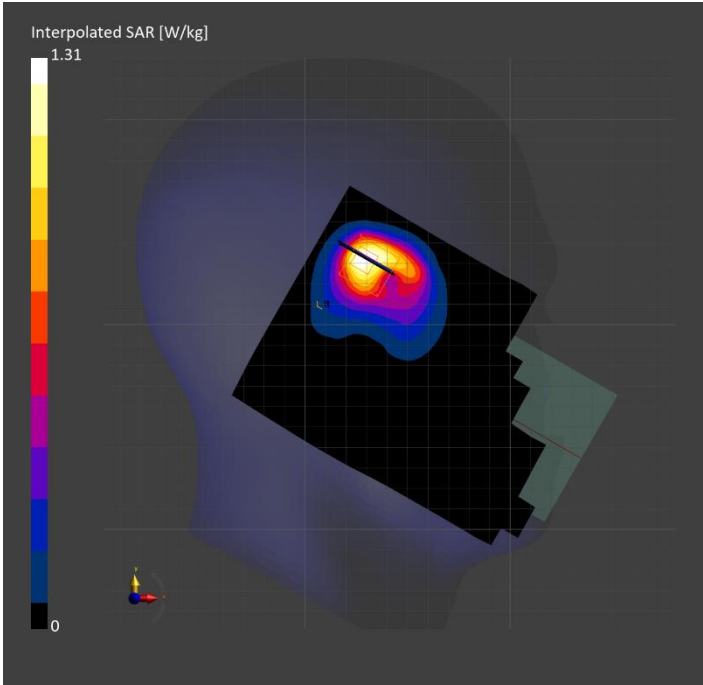
Probe Calibration Date	EX3DV4 - SN3902 2025-03-10	Phantom	Twin-SAM V5.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1259 2025-03-06	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	31.5 x 31.5 x 31.2
Grid Steps [mm]	10.0 x 10.0	4.5 x 4.5 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		82.8
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		8.1
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.32, 28.7, 331.8, -169.6

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.701	0.721
psSAR10g [W/Kg]	0.351	0.350
Power Drift [±0.2 dB]	N/A	-0.04



WLAN 5GHz: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle), TILT

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	37.0
Frequency [MHz] Channel Number	5775.000 155	TSL Conductivity [S/m]	5.14
Group UID	WLAN 10544-AAD	Phantom Section TSL	RightHead HSL
Conversion Factor	5.14	Test Distance [mm]	0.00

Hardware Setup

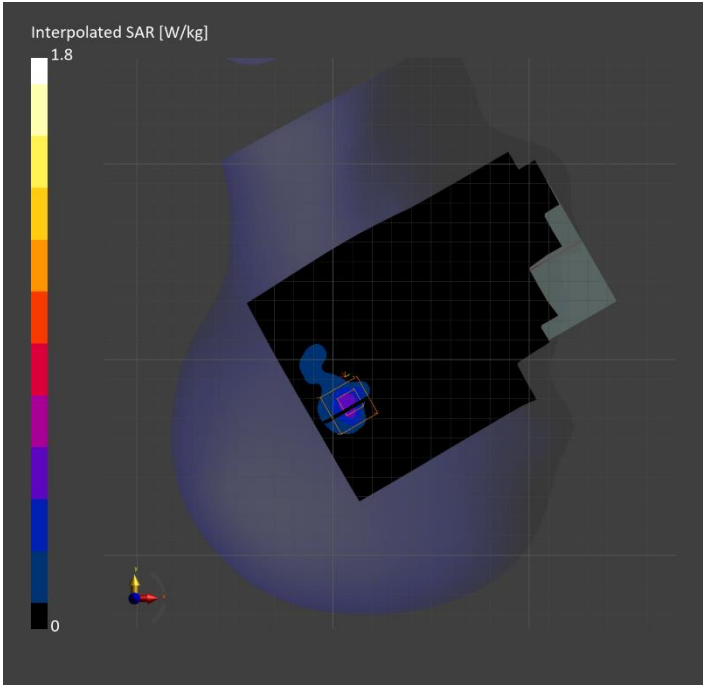
Probe Calibration Date	EX3DV4 - SN3989 2025-01-13	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1257 2024-09-10	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan	Secondary Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 36.0 x 22.9	32.0 x 36.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	N/A	Yes	Yes
M2/M1 [> 30%]		56.4	57.2
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		4.5	4.7
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.80, 8.3, -321.8, -168.6	1.80, 8.3, -321.8, -168.6

Measurement Results

	Area Scan	Zoom Scan	Secondary Zoom Scan
psSAR1g [W/Kg]	0.377	0.408	0.406
psSAR10g [W/Kg]	0.120	0.123	0.125
Power Drift [±0.2 dB]	N/A	-0.31	-0.41



U-NII-8: IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), CHEEK

Exposure Conditions

Band	U-NII-8	TSL Permittivity	32.8
Frequency [MHz] Channel Number	6985.000 207	TSL Conductivity [S/m]	6.57
Group UID	WLAN 10755-AAC	Phantom Section TSL	RightHead HSL
Conversion Factor	5.51	Test Distance [mm]	0.00

Hardware Setup

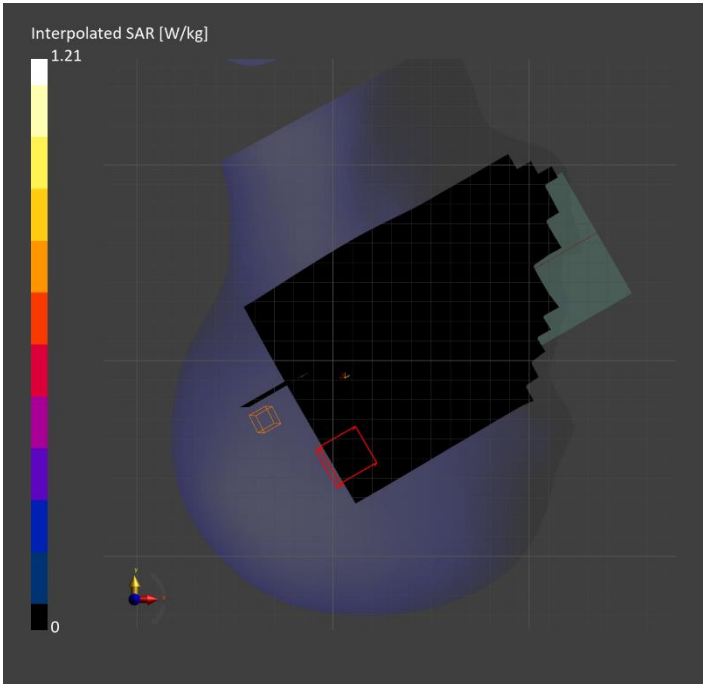
Probe Calibration Date	EX3DV4 - SN3772 2025-02-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1258 2025-03-11	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005 16.4.0.5005 N/A		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 187.0	22.0 x 22.0 x 25.0
Grid Steps [mm]	8.5 x 8.5	1.0 x 1.0 x 1.2
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		N/A
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		N/A
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	N/A, N/A

Measurement Results

	Area Scan	Zoom Scan	APD
psSAR1g [W/Kg]	0.005	0	N/A
psSAR8g [W/Kg]	0	0	N/A
psSAR10g [W/Kg]	0	0	N/A
psAPD (4.0cm², sq.) [W/m²]	N/A	N/A	0
Power Drift [±0.2 dB]	N/A	N/A	N/A



U-NII-7: IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), EDGE LEFT

Exposure Conditions

Band	U-NII-7	Phantom Section	5G
Frequency [MHz] Channel Number	6665.0 143	Conversion Factor	1.0
Group UID	WLAN, 10755-AAC	Position Test Distance [mm]	EDGE LEFT 2.00

Hardware Setup

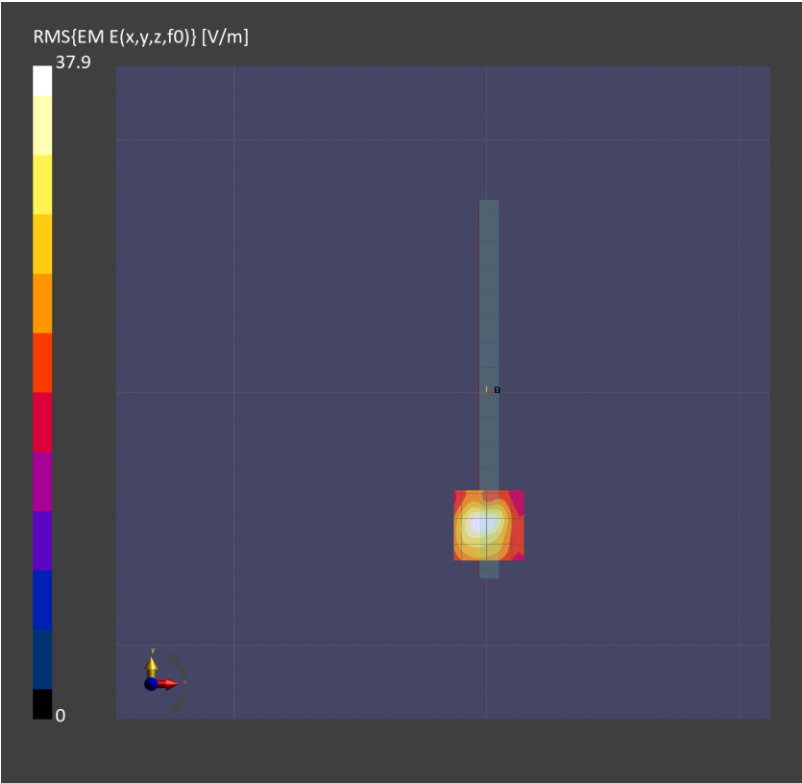
Probe Calibration Date	EUmmWV4 - SN9532_F1-55GHz 2025-02-17	Phantom	mmWave xxxx
DAE Calibration Date	DAE4 Sn1548 2025-02-07	Medium	Air -
Software Version	3.2.0.1840		

Scan Setup

Scan Type	5G Scan	Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0412 x 0.0412	Sensor Surface [mm]	2.0

Measurement Results

Avg. Area [cm²]	4.00
psPDn+ [W/m²]	1.73
psPDtot+ [W/m²]	1.90
psPDmod+ [W/m²]	2.12
E _{max} [V/m]	37.9
Power Drift [dB]	0.06



Custom Band: CW, EDGE TOP

Exposure Conditions

Band	Custom Band	Phantom Section	5G
Frequency [MHz] Channel Number	28300.0 28300000	Conversion Factor	1.0
Group UID	CW, 0--	Position Test Distance [mm]	EDGE TOP 2.00

Hardware Setup

Probe Calibration Date	EUmmWV4 - SN9532_F1-55GHz 2025-02-17	Phantom	mmWave xxxx
DAE Calibration Date	DAE4 Sn1548 2025-02-07	Medium	Air -
Software Version	3.2.2.2358		

Scan Setup

Scan Type	5G Scan	Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.19269041484905072 x 0.19269041484905072	Sensor Surface [mm]	2.0

Measurement Results

Avg. Area [cm²]	4.00
psPDn+ [W/m²]	0.543
psPDtot+ [W/m²]	0.575
psPDmod+ [W/m²]	0.590
E _{max} [V/m]	21.1
H _{max} [A/m]	0.066
Power Drift [dB]	0.05

