

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

Exposure Conditions

Band	PCS 1900	TSL Permittivity	39.4
Frequency [MHz] Channel Number	1909.800 810	TSL Conductivity [S/m]	1.40
Group UID	GSM 10024-DAC	Phantom Section TSL	RightHead HSL
Conversion Factor	7.81	Test Distance [mm]	0.00

Hardware Setup

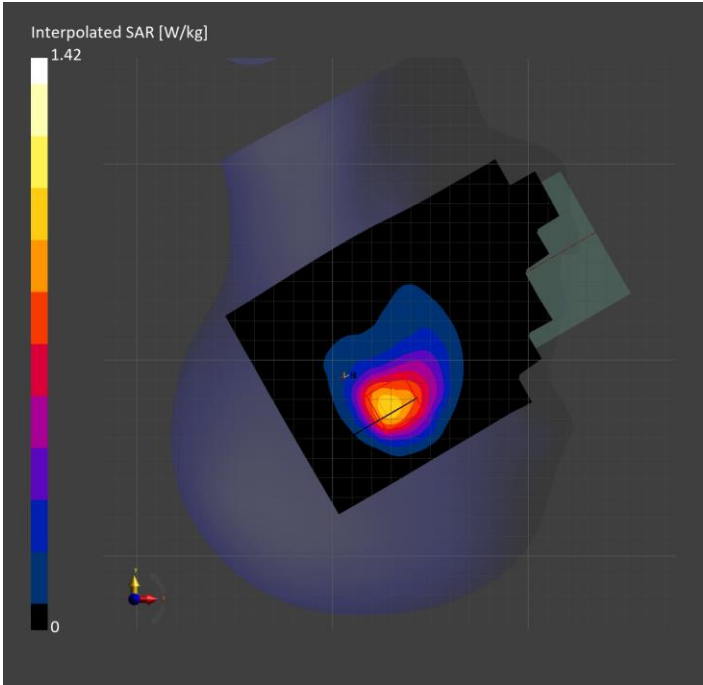
Probe Calibration Date	EX3DV4 - SN7908 2025-03-03	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1433 2025-02-05	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	42.0 x 42.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		85.8
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		7.0
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.42, 29.1, -321.5, -170.3

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.843	0.795
psSAR10g [W/Kg]	0.479	0.472
Power Drift [±0.2 dB]	N/A	-0.16



Band 4: UMTS-FDD (WCDMA), CHEEK

Exposure Conditions

Band	Band 4	TSL Permittivity	42.6
Frequency [MHz] Channel Number	1732.600 1413	TSL Conductivity [S/m]	1.27
Group UID	WCDMA 10011-CAC	Phantom Section TSL	LeftHead HSL
Conversion Factor	7.6	Test Distance [mm]	0.00

Hardware Setup

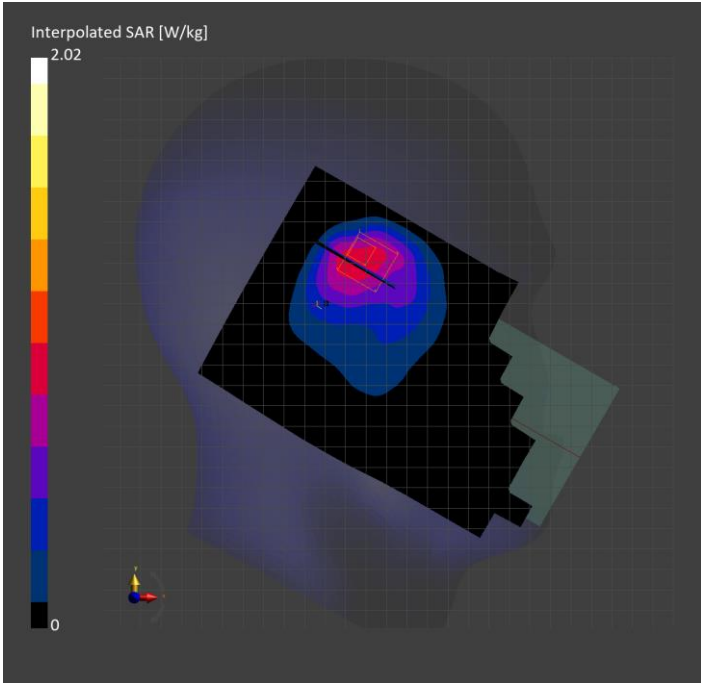
Probe Calibration Date	EX3DV4 - SN7807 2025-05-08	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1796 2025-05-09	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	46.4 x 46.4 x 31.2
Grid Steps [mm]	15.0 x 15.0	5.8 x 5.8 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		79.6
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		7.5
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	2.02, 27.8, 336.0, -169.3

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.795	0.981
psSAR10g [W/Kg]	0.480	0.539
Power Drift [±0.2 dB]	N/A	0.00



Band 25: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) RBPosition:Mid

AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band 25	TSL Permittivity	40.0
Frequency [MHz] Channel Number	1882.500 26365	TSL Conductivity [S/m]	1.43
Group UID	LTE-FDD 10297-AAE	Phantom Section TSL	RightHead HSL
Conversion Factor	8.05	Test Distance [mm]	0.00

Hardware Setup

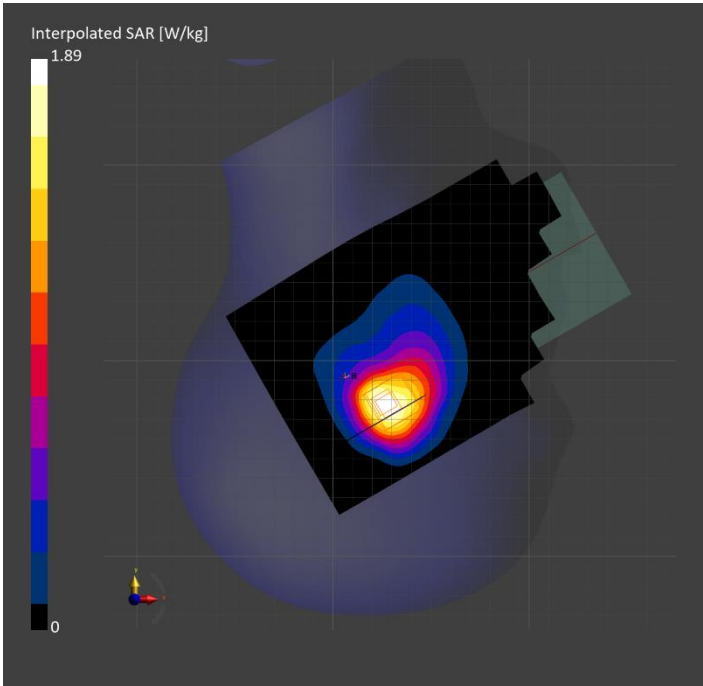
Probe Calibration Date	EX3DV4 - SN7335 2025-01-13	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4ip Sn1892 2025-03-04	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	54.0 x 54.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		85.4
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		7.3
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.89, 25.8, -321.5, -170.1

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.02	1.00
psSAR10g [W/Kg]	0.585	0.602
Power Drift [±0.2 dB]	-0.03	-0.13



Band n26: 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) RBPosition:Mid

AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band n26	TSL Permittivity	44.8
Frequency [MHz] Channel Number	831.500 166300	TSL Conductivity [S/m]	0.908
Group UID	5G NR FR1 FDD 10939-AAC	Phantom Section TSL	RightHead HSL
Conversion Factor	9.09	Test Distance [mm]	0.00

Hardware Setup

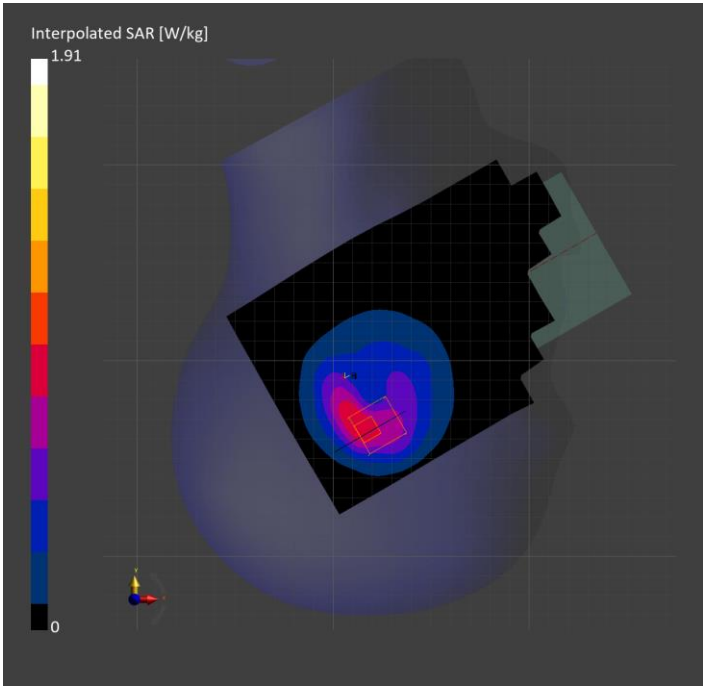
Probe Calibration Date	EX3DV4 - SN7909 2025-02-05	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4ip Sn1883 2025-02-17	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	42.0 x 42.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		74.3
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		9.4
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.91, 17.3, -335.5, -168.9

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.800	0.838
psSAR10g [W/Kg]	0.496	0.450
Power Drift [±0.2 dB]	N/A	0.01



Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	39.4
Frequency [MHz] Channel Number	2437.000 6	TSL Conductivity [S/m]	1.77
Group UID	WLAN 10415-AAA	Phantom Section TSL	RightHead HSL
Conversion Factor	8.17	Test Distance [mm]	0.00

Hardware Setup

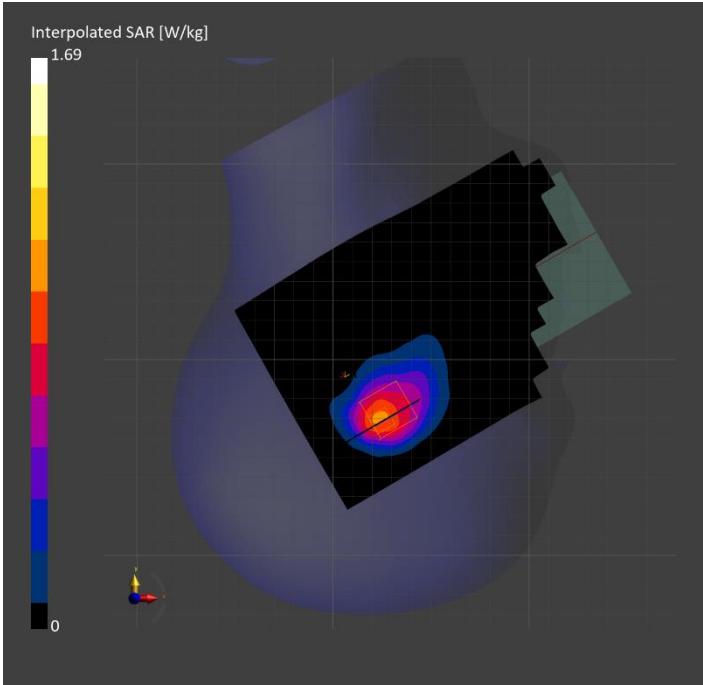
Probe Calibration Date	EX3DV4 - SN3902 2025-03-10	Phantom	Twin-SAM V5.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1259 2025-03-06	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	50.0 x 50.0 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%]		78.7
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		7.9
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.69, 24.4, -331.5, -169.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.814	0.831
psSAR10g [W/Kg]	0.432	0.458
Power Drift [±0.2 dB]	N/A	0.03



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

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	37.8
Frequency [MHz] Channel Number	5610.000 122	TSL Conductivity [S/m]	5.17
Group UID	WLAN 10544-AAD	Phantom Section TSL	LeftHead HSL
Conversion Factor	5.0	Test Distance [mm]	0.00

Hardware Setup

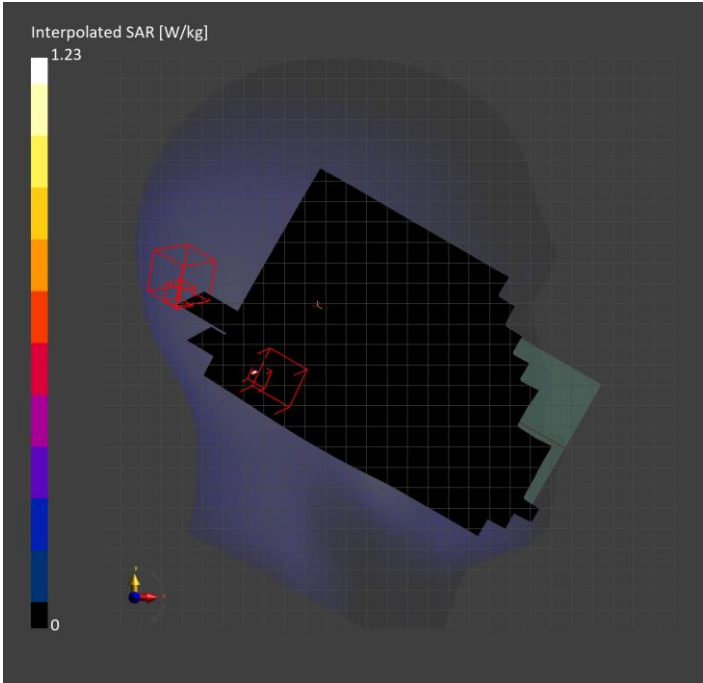
Probe Calibration Date	EX3DV4 - SN7820 2025-05-08	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1797 2025-05-09	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan	Secondary Zoom Scan
Grid Extents [mm]	120.0 x 200.0	36.0 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%]		N/A	N/A
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		0.9	0.0
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.23, -24.3, 274.1, -153.2	0.091, -61.2, 314.7, -139.9

Measurement Results

	Area Scan	Zoom Scan	Secondary Zoom Scan
psSAR1g [W/Kg]	0.004	0.045	0
psSAR10g [W/Kg]	0	0.005	0
Power Drift [±0.2 dB]	N/A	N/A	-0.56



U-NII-5: IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), TILT

Exposure Conditions

Band	U-NII-5	TSL Permittivity	34.6
Frequency [MHz] Channel Number	6345.000 79	TSL Conductivity [S/m]	5.98
Group UID	WLAN 10755-AAC	Phantom Section TSL	LeftHead HSL
Conversion Factor	5.37	Test Distance [mm]	0.00

Hardware Setup

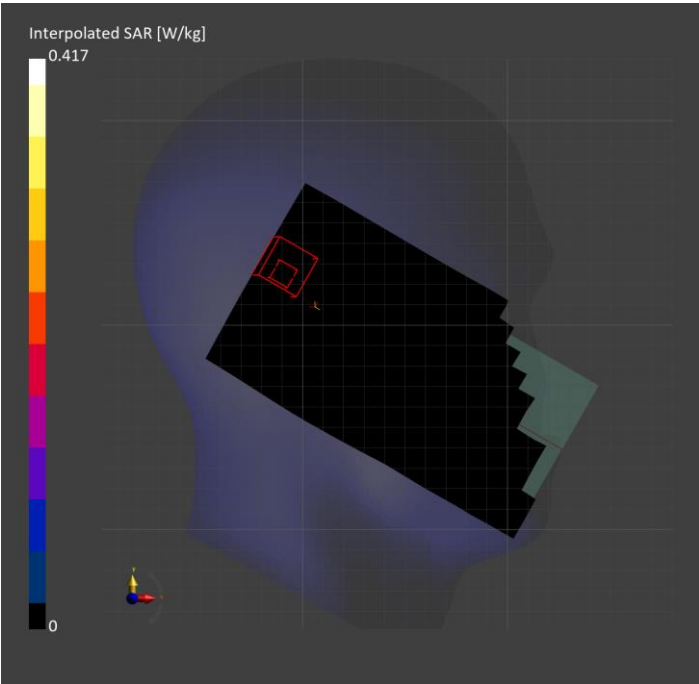
Probe Calibration Date	EX3DV4 - SN7808 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1546 2025-03-06	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005 16.4.0.5005 16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 204.0	23.2 x 23.2 x 25.0
Grid Steps [mm]	8.5 x 8.5	2.9 x 2.9 x 1.2
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		73.2
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		2.9
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	0.418, -7.6, 328.8, -161.5

Measurement Results

	Area Scan	Zoom Scan	APD
psSAR1g [W/Kg]	0.006	0.004	N/A
psSAR8g [W/Kg]	0.003	0	N/A
psSAR10g [W/Kg]	0.002	0	N/A
psAPD (4.0cm², sq.) [W/m²]	N/A	N/A	0.019
Power Drift [±0.2 dB]	N/A	-2.73	-2.73



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

Exposure Conditions

Band	U-NII-7	Phantom Section	5G
Frequency [MHz] Channel Number	6825.0 175	Conversion Factor	1.0
Group UID	WLAN, 10755-AAC	Position Test Distance [mm]	EDGE BOTTOM 2.00

Hardware Setup

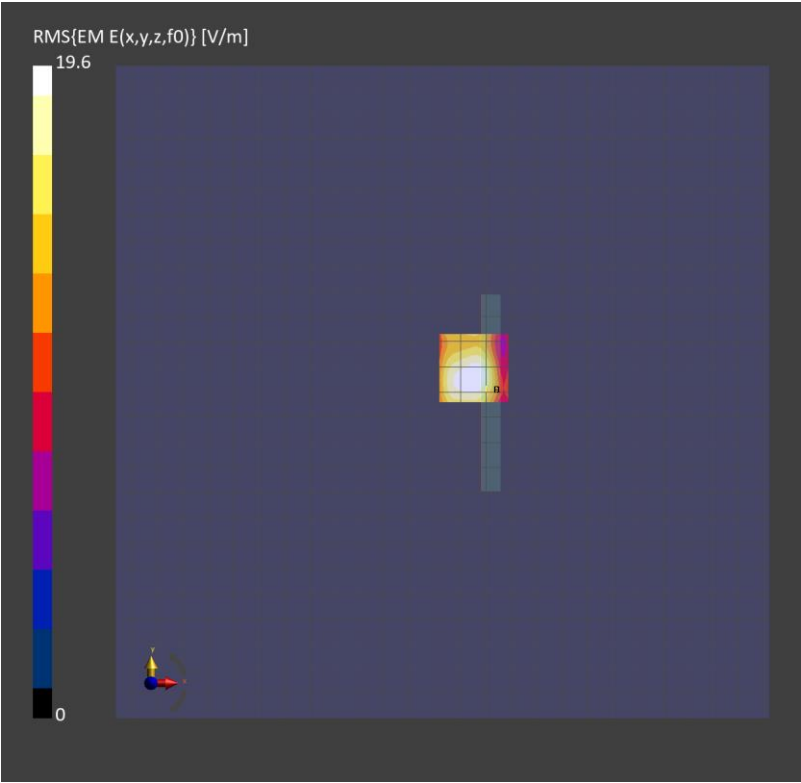
Probe Calibration Date	EUmmWV4 - SN9493_F1-55GHz 2025-01-13	Phantom	mmWave xxxx
DAE Calibration Date	DAE4 Sn1716 2025-03-11	Medium	Air -
Software Version	3.2.0.1840		

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]	0.606
psPDtot+ [W/m²]	0.654
psPDmod+ [W/m²]	0.674
E _{max} [V/m]	19.6
Power Drift [dB]	-0.22



Custom Band: CW, EDGE TOP

Exposure Conditions

Band	Custom Band	Phantom Section	5G
Frequency [MHz] Channel Number	38500.0 38500000	Conversion Factor	1.0
Group UID	CW, 0--	Position Test Distance [mm]	EDGE TOP 2.00

Hardware Setup

Probe Calibration Date	EUmmWV4 - SN9493_F1-55GHz 2025-01-13	Phantom	mmWave xxxx
DAE Calibration Date	DAE4 Sn1716 2025-03-11	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]	0.25 x 0.25	Sensor Surface [mm]	2.0

Measurement Results

Avg. Area [cm²]	4.00
psPDn+ [W/m²]	3.00
psPDtot+ [W/m²]	3.53
psPDmod+ [W/m²]	3.76
E _{max} [V/m]	101
H _{max} [A/m]	0.246
Power Drift [dB]	0.06

