

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

Exposure Conditions

Band	PCS 1900	TSL Permittivity	42.4
Frequency [MHz] Channel Number	1909.800 810	TSL Conductivity [S/m]	1.46
Group UID	GSM 10024-DAC	Phantom Section TSL	RightHead HSL
Conversion Factor	8.05	Test Distance [mm]	0.00

Hardware Setup

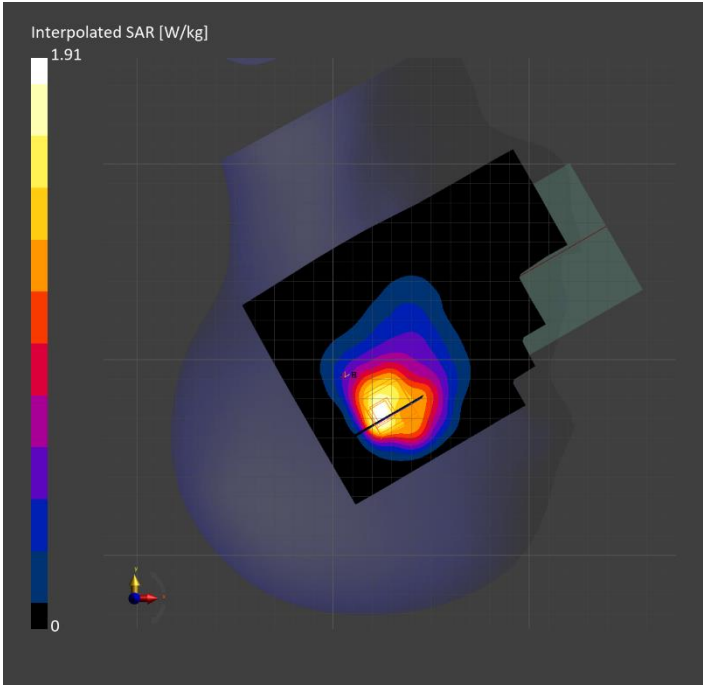
Probe Calibration Date	EX3DV4 - SN7335 2025-01-13	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4ip Sn1892 2025-03-04	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	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%]		84.7
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		8.5
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.91, 25.3, -326.4, -169.9

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.848	1.03
psSAR10g [W/Kg]	0.478	0.515
Power Drift [±0.2 dB]	-0.07	0.09



Band 2: UMTS-FDD (WCDMA), CHEEK

Exposure Conditions

Band	Band 2	TSL Permittivity	42.4
Frequency [MHz] Channel Number	1907.600 9538	TSL Conductivity [S/m]	1.46
Group UID	WCDMA 10011-CAC	Phantom Section TSL	RightHead HSL
Conversion Factor	8.05	Test Distance [mm]	0.00

Hardware Setup

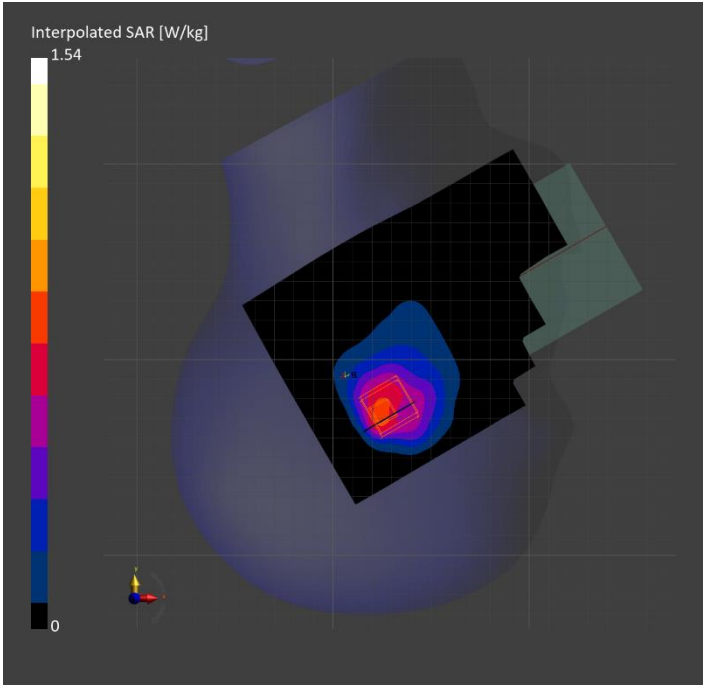
Probe Calibration Date	EX3DV4 - SN7335 2025-01-13	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4ip Sn1892 2025-03-04	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 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%]		80.8
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		9.2
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.54, 25.9, -327.1, -169.9

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.667	0.828
psSAR10g [W/Kg]	0.381	0.414
Power Drift [±0.2 dB]	-0.05	-0.13



Band 41: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)

RBPosition:Mid AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band 41	TSL Permittivity	39.1
Frequency [MHz] Channel Number	2593.000 40620	TSL Conductivity [S/m]	1.87
Group UID	LTE-TDD 10435-AAG	Phantom Section TSL	LeftHead HSL
Conversion Factor	7.16	Test Distance [mm]	0.00

Hardware Setup

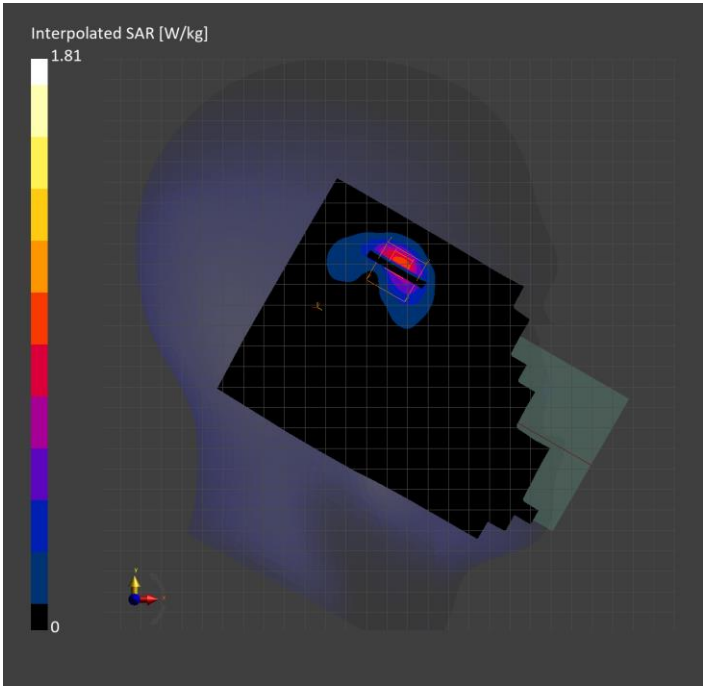
Probe Calibration Date	EX3DV4 - SN7810 2025-05-08	Phantom	Twin-SAM V4.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1434 2025-05-09	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	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%]		75.0
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		5.8
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.81, 46.3, 330.5, -169.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.701	0.738
psSAR10g [W/Kg]	0.287	0.296
Power Drift [±0.2 dB]	N/A	0.01



Band n77: 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid

AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band n77	TSL Permittivity	41.5
Frequency [MHz] Channel Number	3500.010 633334	TSL Conductivity [S/m]	2.76
Group UID	5G NR FR1 TDD 10917-AAD	Phantom Section TSL	LeftHead HSL
Conversion Factor	6.58	Test Distance [mm]	0.00

Hardware Setup

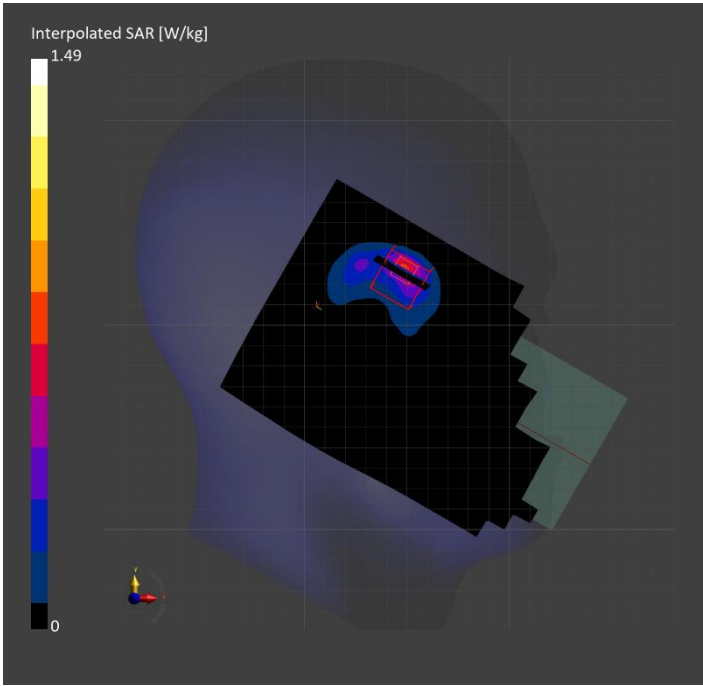
Probe Calibration Date	EX3DV4 - SN3990 Sensor X Disabled 2025-02-07	Phantom	Twin-SAM V5.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1545 2025-02-06	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 29.1
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		74.2
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		6.1
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.49, 49.1, 327.3, -169.3

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.503	0.530
psSAR10g [W/Kg]	0.194	0.203
Power Drift [±0.2 dB]	N/A	-0.00



Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	39.3
Frequency [MHz] Channel Number	2412.000 1	TSL Conductivity [S/m]	1.68
Group UID	WLAN 10415-AAA	Phantom Section TSL	RightHead HSL
Conversion Factor	8.17	Test Distance [mm]	0.00

Hardware Setup

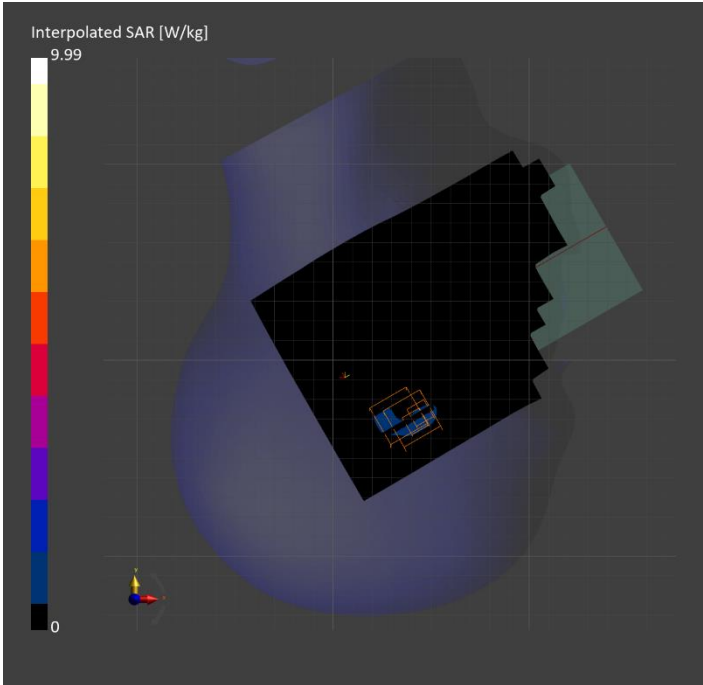
Probe Calibration Date	EX3DV4 - SN3902 2025-03-10	Phantom	Twin-SAM V5.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1259 2025-03-06	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan	Secondary Zoom Scan
Grid Extents [mm]	120.0 x 200.0	45.0 x 50.0 x 31.2	36.4 x 36.4 x 31.2
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5	1.4 x 1.4 x 1.2
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	N/A	Yes	Yes
M2/M1 [> 30%]		74.9	67.4
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		3.6	2.0
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	5.47, 42.4, -331.8, -169.4	9.99, 44.7, -327.5, -169.7

Measurement Results

	Area Scan	Zoom Scan	Secondary Zoom Scan
psSAR1g [W/Kg]	0.985	0.762	0.792
psSAR10g [W/Kg]	0.452	0.285	0.352
Power Drift [±0.2 dB]	N/A	-1.59	1.52



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

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	33.6
Frequency [MHz] Channel Number	5775.000 155	TSL Conductivity [S/m]	5.03
Group UID	WLAN 10544-AAD	Phantom Section TSL	LeftHead HSL
Conversion Factor	5.52	Test Distance [mm]	0.00

Hardware Setup

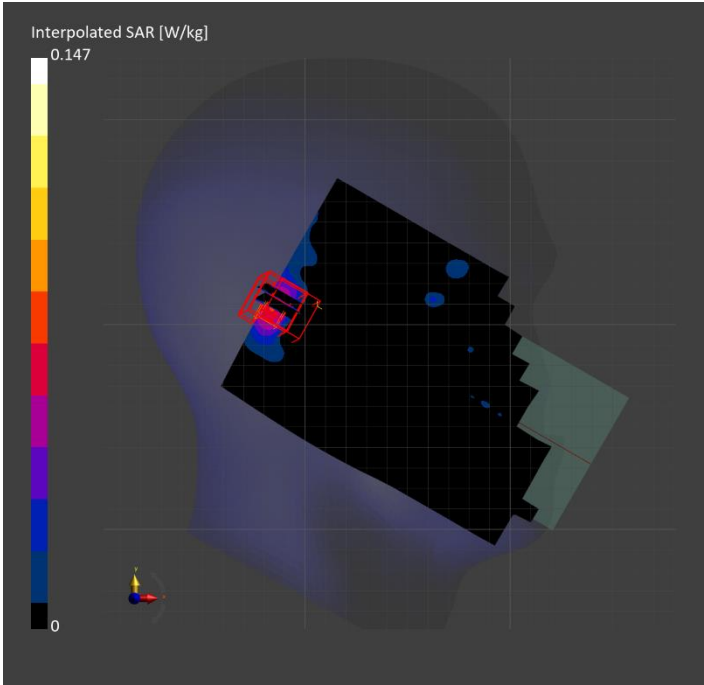
Probe Calibration Date	EX3DV4 - SN7915 2025-03-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4ip Sn1894 2025-03-18	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan	Secondary Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.9	24.0 x 24.0 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%]		77.1	71.6
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		4.1	4.1
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	0.134, -17.0, 304.8, -163.2	0.147, -17.1, 306.2, -163.3

Measurement Results

	Area Scan	Zoom Scan	Secondary Zoom Scan
psSAR1g [W/Kg]	0.053	0.023	0.024
psSAR10g [W/Kg]	0.015	0.006	0.006
Power Drift [±0.2 dB]	N/A	-1.17	-2.40



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

Exposure Conditions

Band	U-NII-5	TSL Permittivity	35.5
Frequency [MHz] Channel Number	6025.000 15	TSL Conductivity [S/m]	5.28
Group UID	WLAN 10755-AAC	Phantom Section TSL	LeftHead HSL
Conversion Factor	5.37	Test Distance [mm]	0.00

Hardware Setup

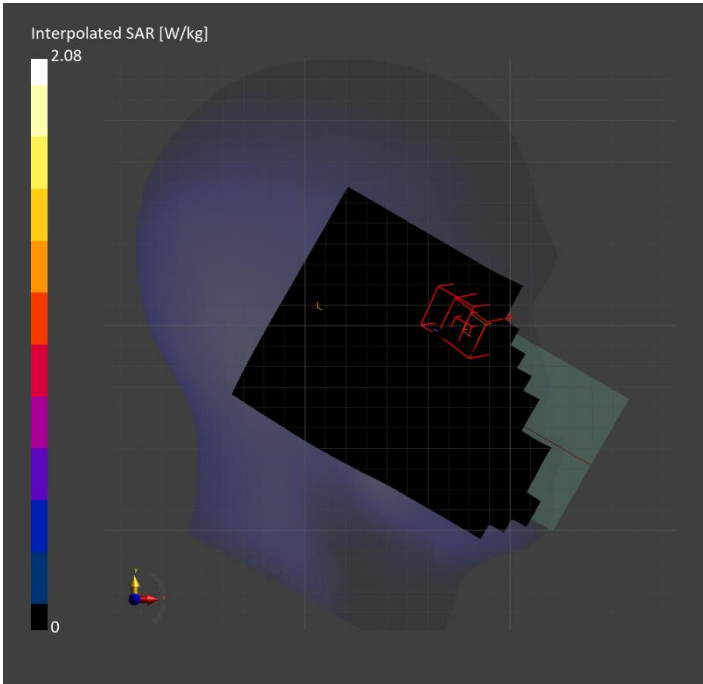
Probe Calibration Date	EX3DV4 - SN7808 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1546 2025-03-06	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005 16.4.0.5005 16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan 1	Zoom Scan 2
Grid Extents [mm]	119.0 x 187.0	22.4 x 22.4 x 25.0	23.8 x 23.8 x 22.9
Grid Steps [mm]	8.5 x 8.5	1.6 x 1.6 x 1.2	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	N/A	Yes	Yes
M2/M1 [> 30%]		22.7	96.3
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		2.7	2.1
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.03, 82.7, 298.6, -157.1	0.044, 80.3, 301.4, -156.9

Measurement Results

	Area Scan	Zoom Scan 1	Zoom Scan 2	APD 1	APD 2
psSAR1g [W/Kg]	0.014	0.014	0.006	N/A	N/A
psSAR8g [W/Kg]	0.004	0.006	0.001	N/A	N/A
psSAR10g [W/Kg]	0.004	0.005	0	N/A	N/A
psAPD (4.0cm ² , sq.) [W/m ²]	N/A	N/A	N/A	0.126	0.024
Power Drift [±0.2 dB]	N/A	9.33	N/A	N/A	N/A



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

Exposure Conditions

Band	U-NII-5	Phantom Section	5G
Frequency [MHz] Channel Number	6025.0 15	Conversion Factor	1.0
Group UID	WLAN, 10755-AAC	Position Test Distance [mm]	EDGE RIGHT 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]	0.344
psPDtot+ [W/m²]	0.358
psPDmod+ [W/m²]	0.382
E _{max} [V/m]	12.2
Power Drift [dB]	-0.72

