

Measurement Report for PCS 1900: GPRS-FDD (TDMA, GMSK, TN 0-1), TILT

Exposure Conditions

Band	PCS 1900	TSL Permittivity	38.2
Frequency [MHz] Channel Number	1880.000 661	TSL Conductivity [S/m]	1.40
Group UID	GSM 10024-DAC	Phantom Section TSL	RightHead HSL
Conversion Factor	7.53	Test Distance [mm]	0.00

Hardware Setup

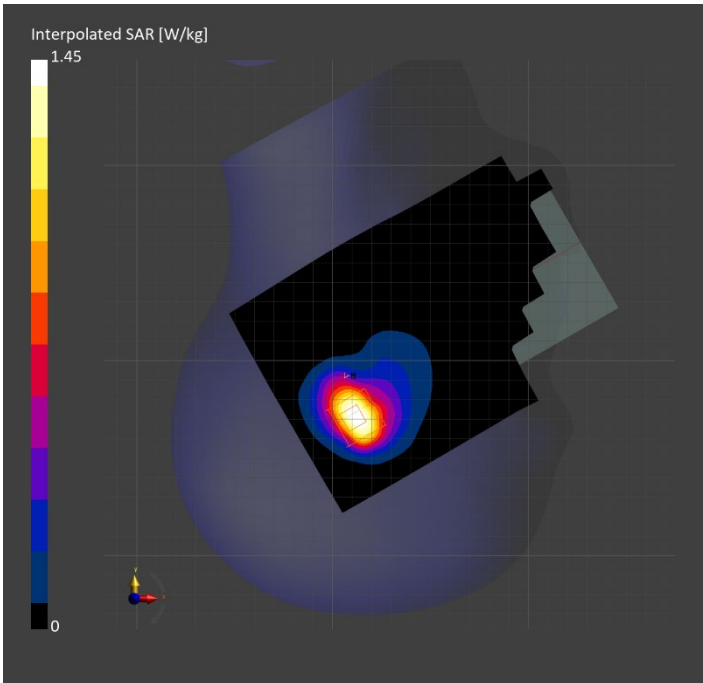
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
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 [%]		79.0
Dist 3dB Peak [mm]		8.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.708	0.689
psSAR10g [W/Kg]	0.369	0.337
Power Drift [dB]	N/A	-0.04



Measurement Report for Band 2: UMTS-FDD (WCDMA), CHEEK

Exposure Conditions

Band	Band 2	TSL Permittivity	38.3
Frequency [MHz] Channel Number	1880.000 9400	TSL Conductivity [S/m]	1.43
Group UID	WCDMA 10011-CAC	Phantom Section TSL	RightHead HSL
Conversion Factor	7.53	Test Distance [mm]	0.00

Hardware Setup

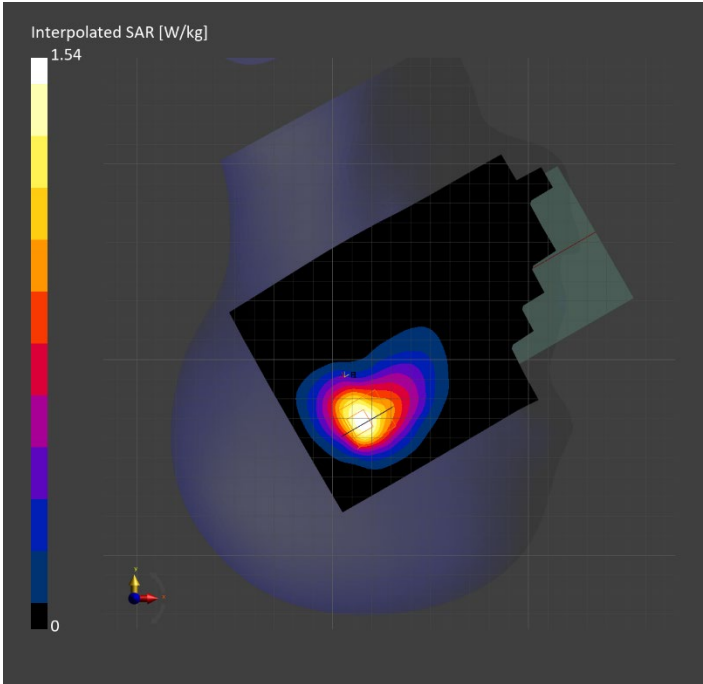
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
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 [%]		76.7
Dist 3dB Peak [mm]		8.6

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.770	0.731
psSAR10g [W/Kg]	0.420	0.391
Power Drift [dB]	N/A	0.03



Measurement Report for Band 66: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)

RBPosition:Mid AntennaCfg:SISO, TILT

Exposure Conditions

Band	Band 66	TSL Permittivity	40.2
Frequency [MHz] Channel Number	1770.000 132572	TSL Conductivity [S/m]	1.32
Group UID	LTE-FDD 10169-CAF	Phantom Section TSL	RightHead HSL
Conversion Factor	8.98	Test Distance [mm]	0.00

Hardware Setup

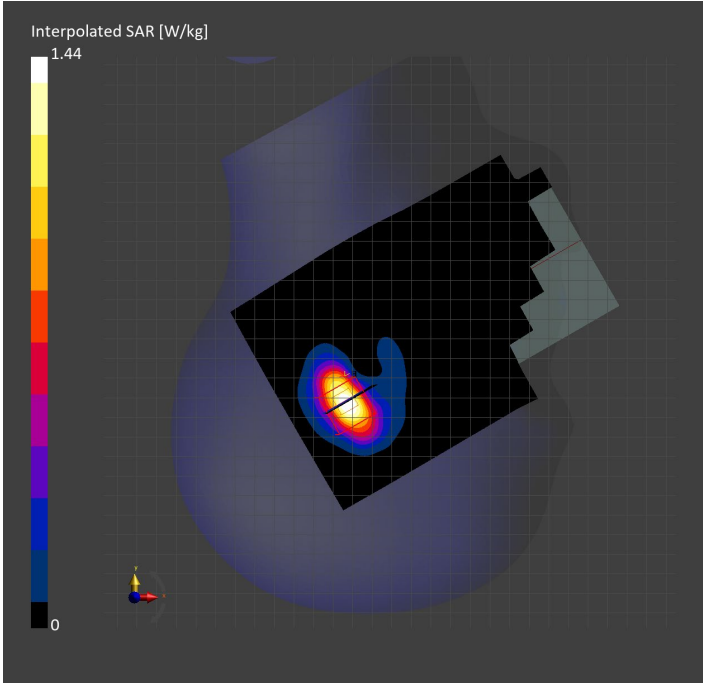
Probe Calibration Date	EX3DV4 - SN3989 2023-01-26	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1257 2022-09-20	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
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 [%]		83.4
Dist 3dB Peak [mm]		6.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.725	0.723
psSAR10g [W/Kg]	0.356	0.344
Power Drift [dB]	N/A	-0.04



Measurement Report for Band n41: 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band n41	TSL Permittivity	37.7
Frequency [MHz] Channel Number	2592.990 518598	TSL Conductivity [S/m]	2.00
Group UID	5G NR FR1 TDD 10917-AAD	Phantom Section TSL	LeftHead HSL
Conversion Factor	7.32	Test Distance [mm]	0.00

Hardware Setup

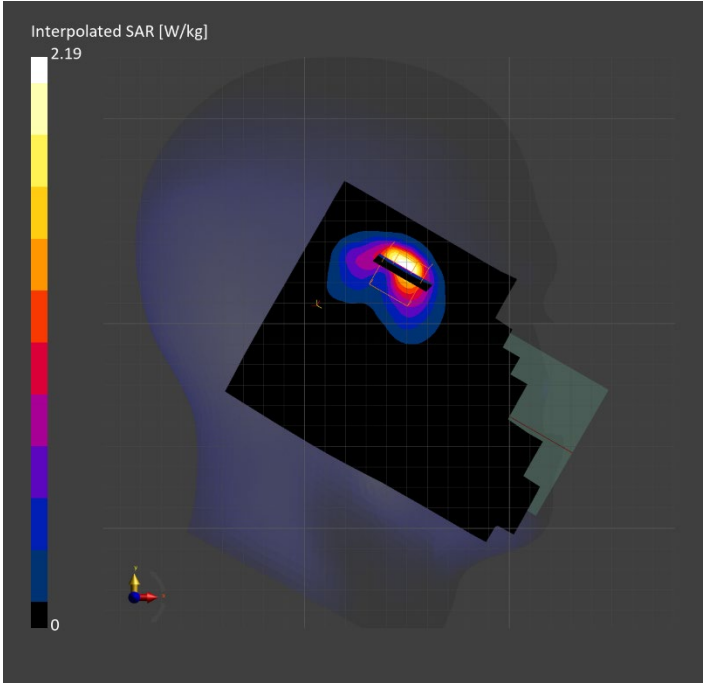
Probe Calibration Date	EX3DV4 - SN3885 2022-09-20	Phantom	Twin-SAM V5.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1548 2023-02-14	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 30.0
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 [%]		72.3
Dist 3dB Peak [mm]		5.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.766	0.795
psSAR10g [W/Kg]	0.319	0.313
Power Drift [dB]	N/A	0.02



Measurement Report for WLAN 2.4GHz: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), CHEEK

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	37.8
Frequency [MHz] Channel Number	2412.000 1	TSL Conductivity [S/m]	1.81
Group UID	WLAN 10415-AAA	Phantom Section TSL	LeftHead HSL
Conversion Factor	7.33	Test Distance [mm]	0.00

Hardware Setup

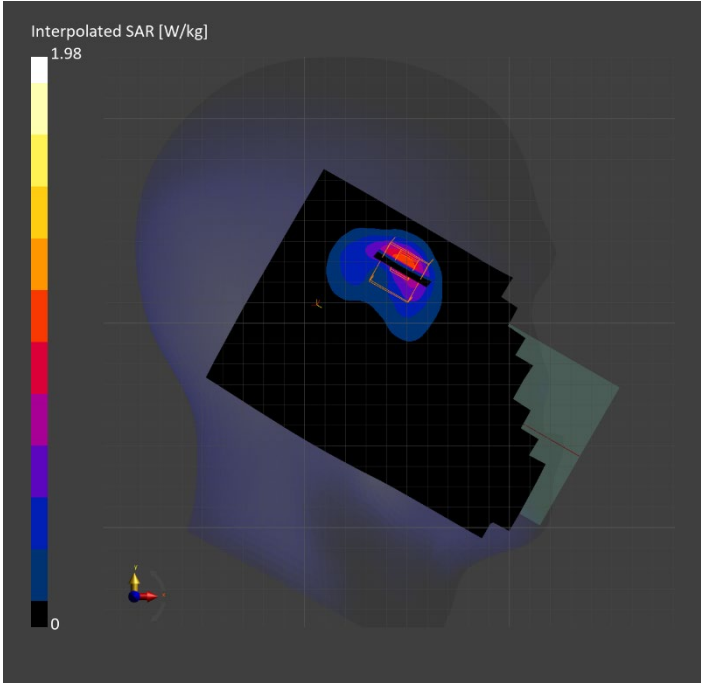
Probe Calibration Date	EX3DV4 - SN3772 2023-02-13	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1359 2023-01-24	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
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 [%]		74.6
Dist 3dB Peak [mm]		5.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.817	0.821
psSAR10g [W/Kg]	0.357	0.354
Power Drift [dB]	N/A	0.03



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

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	36.2
Frequency [MHz] Channel Number	5775.000 155	TSL Conductivity [S/m]	5.22
Group UID	WLAN 10544-AAD	Phantom Section TSL	RightHead HSL
Conversion Factor	4.86	Test Distance [mm]	0.00

Hardware Setup

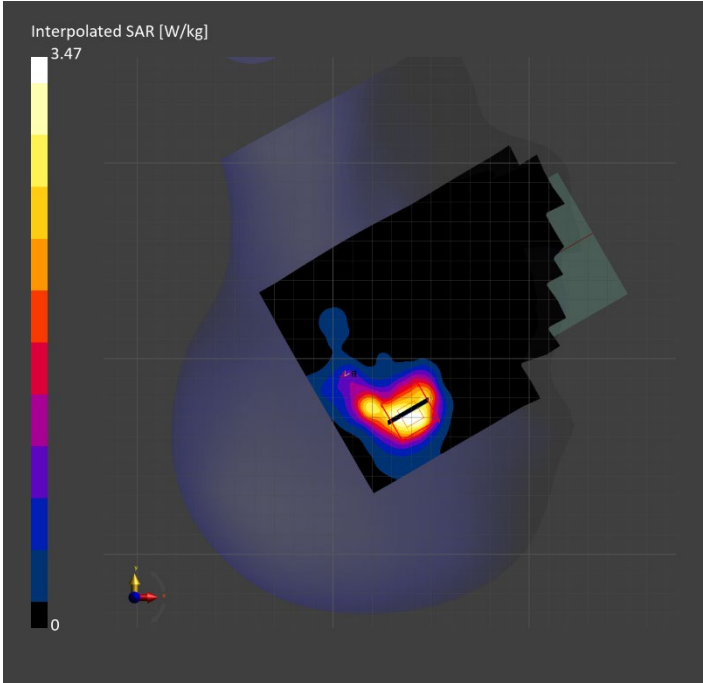
Probe Calibration Date	EX3DV4 - SN7810 2023-04-25	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1439 2023-03-16	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		5.7

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.603	0.815
psSAR10g [W/Kg]	0.236	0.265
Power Drift [dB]	N/A	0.02



Measurement Report for n258: CW, EDGE RIGHT

Exposure Conditions

Band	Custom Band	Phantom Section	5G
Frequency [MHz] Channel Number	24350.0 2018333	Conversion Factor	1.0
Group UID	CW, 0--	Position Test Distance [mm]	EDGE RIGHT 2.00

Hardware Setup

Probe Calibration Date	EUmmWV4 - SN9589_F1-55GHz 2022-09-20	Phantom	mmWave xxxx
DAE Calibration Date	DAE4 Sn1377 2022-09-15	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]	0.1657954629531585 x 0.1657954629531585	Sensor Surface [mm]	2.0

Measurement Results

Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.18
psPDtot+ [W/m ²]	3.12
psPDmod+ [W/m ²]	3.77
E _{max} [V/m]	95.0
Power Drift [dB]	0.01

