

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

Exposure Conditions

Band	PCS 1900	TSL Permittivity	39.7
Frequency [MHz] Channel Number	1880.000 661	TSL Conductivity [S/m]	1.43
Group UID	GSM 10024-DAC	Phantom Section TSL	RightHead HSL
Conversion Factor	7.53	Test Distance [mm]	0.00

Hardware Setup

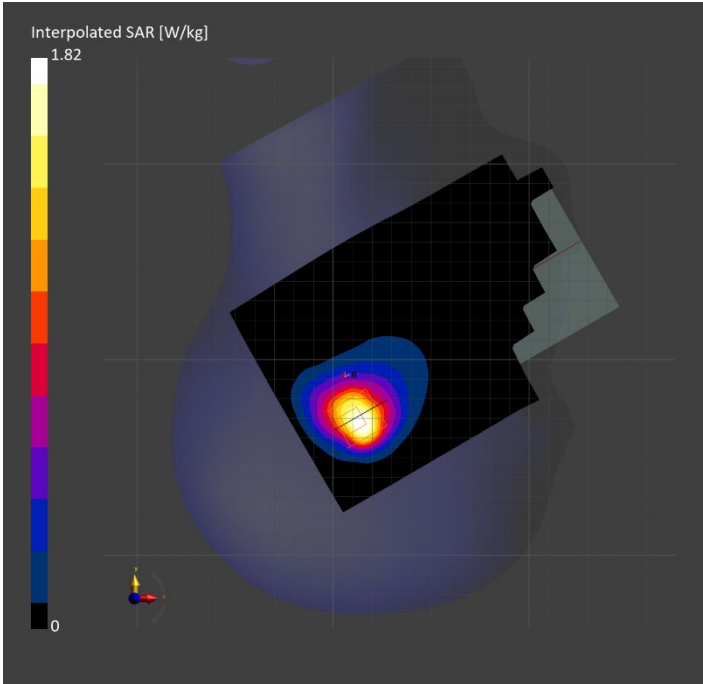
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

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 [%]		73.5
Dist 3dB Peak [mm]		7.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.742	0.769
psSAR10g [W/Kg]	0.393	0.373
Power Drift [dB]	N/A	-0.02



Measurement Report for Band 4: UMTS-FDD (WCDMA), TILT

Exposure Conditions

Band	Band 4	TSL Permittivity	40.0
Frequency [MHz] Channel Number	1732.600 1413	TSL Conductivity [S/m]	1.35
Group UID	WCDMA 10011-CAC	Phantom Section TSL	RightHead HSL
Conversion Factor	8.02	Test Distance [mm]	0.00

Hardware Setup

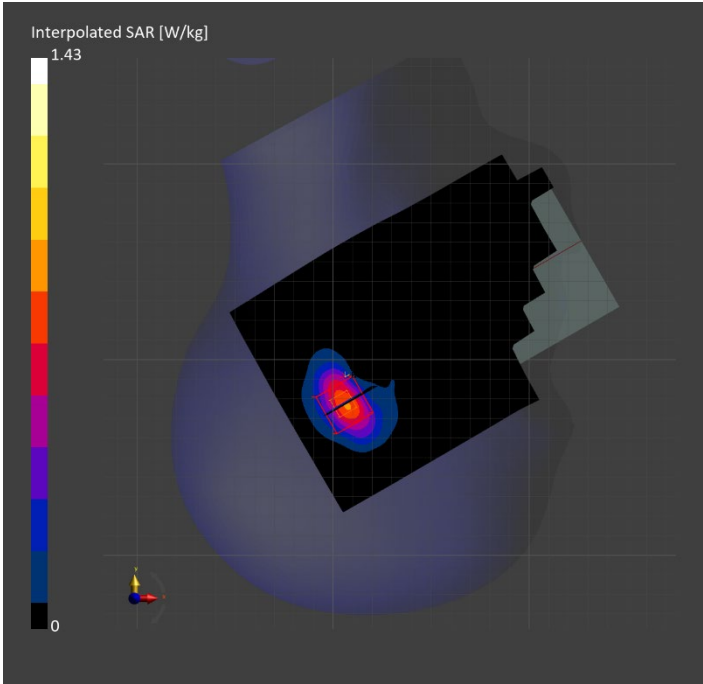
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

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 [%]		81.2
Dist 3dB Peak [mm]		6.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.667	0.686
psSAR10g [W/Kg]	0.333	0.325
Power Drift [dB]	N/A	-0.01



Measurement Report for Band 48: LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)

RBPosition:Mid AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band 48	TSL Permittivity	36.3
Frequency [MHz] Channel Number	3560.000 55340	TSL Conductivity [S/m]	2.89
Group UID	LTE-TDD 10151-CAH	Phantom Section TSL	RightHead HSL
Conversion Factor	6.78	Test Distance [mm]	0.00

Hardware Setup

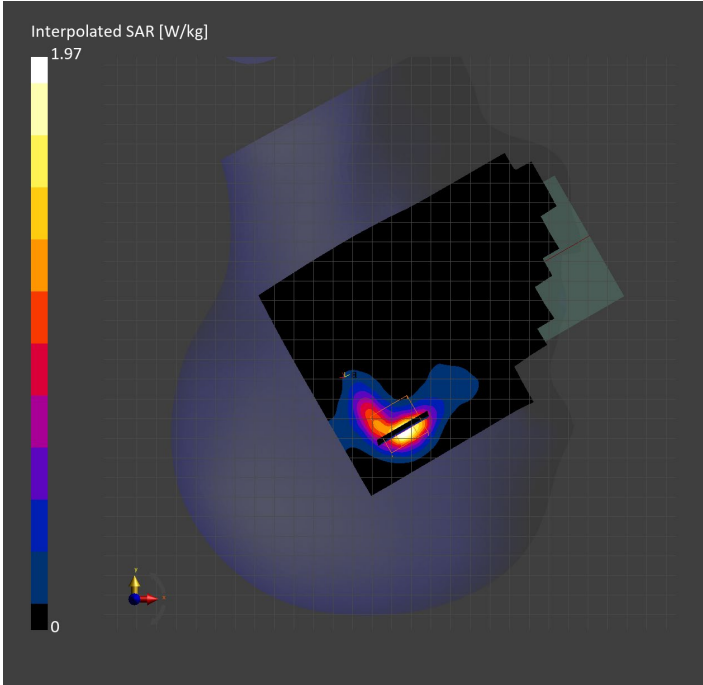
Probe Calibration Date	EX3DV4 - SN3989 2023-01-26	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1257 2022-09-20	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 28.0
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 [%]		71.8
Dist 3dB Peak [mm]		5.1

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.633	0.640
psSAR10g [W/Kg]	0.233	0.231
Power Drift [dB]	N/A	-0.00



Measurement Report for Band n70: 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band n70	TSL Permittivity	40.0
Frequency [MHz] Channel Number	1702.500 340500	TSL Conductivity [S/m]	1.33
Group UID	5G NR FR1 FDD 10938-AAC	Phantom Section TSL	LeftHead HSL
Conversion Factor	8.02	Test Distance [mm]	0.00

Hardware Setup

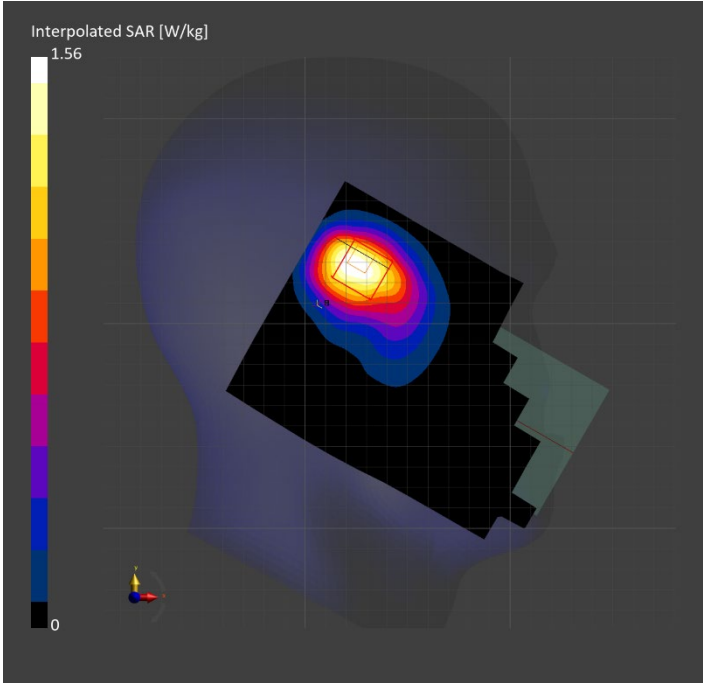
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	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 [%]		75.8
Dist 3dB Peak [mm]		7.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.796	0.790
psSAR10g [W/Kg]	0.469	0.458
Power Drift [dB]	N/A	-0.06



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

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	38.0
Frequency [MHz] Channel Number	2462.000 11	TSL Conductivity [S/m]	1.84
Group UID	WLAN 10012-CAB	Phantom Section TSL	LeftHead HSL
Conversion Factor	7.04	Test Distance [mm]	0.00

Hardware Setup

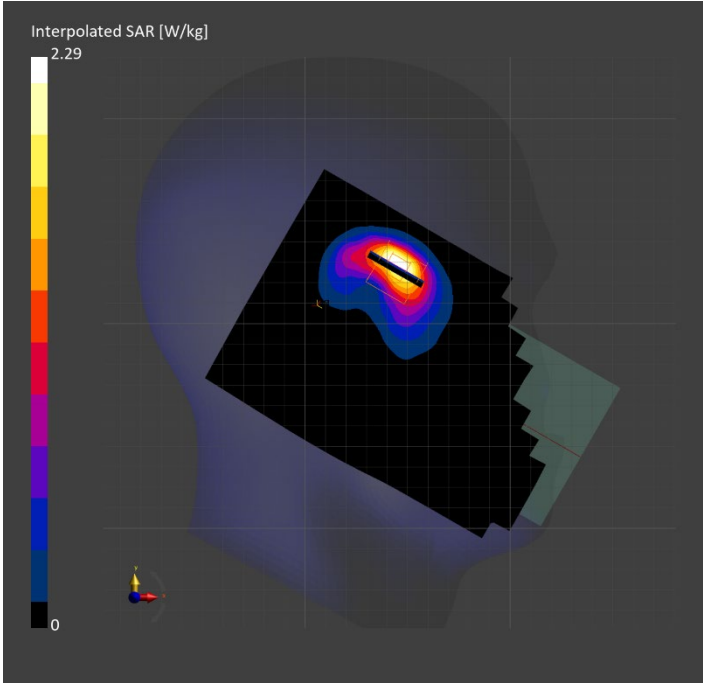
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 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 [%]		72.7
Dist 3dB Peak [mm]		6.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.731	0.852
psSAR10g [W/Kg]	0.340	0.354
Power Drift [dB]	N/A	-0.02



Measurement Report for U-NII-1, U-NII-2A: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle), CHEEK

Exposure Conditions

Band	U-NII-1, U-NII-2A	TSL Permittivity	35.7
Frequency [MHz] Channel Number	5270.000 54	TSL Conductivity [S/m]	4.50
Group UID	WLAN 10544-AAD	Phantom Section TSL	RightHead HSL
Conversion Factor	5.35	Test Distance [mm]	0.00

Hardware Setup

Probe Calibration Date	EX3DV4 - SN3991 2022-09-22	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1674 2023-05-11	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	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 [%]		70.6
Dist 3dB Peak [mm]		4.6

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.741	0.847
psSAR10g [W/Kg]	0.287	0.329
Power Drift [dB]	N/A	0.07

