

# 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

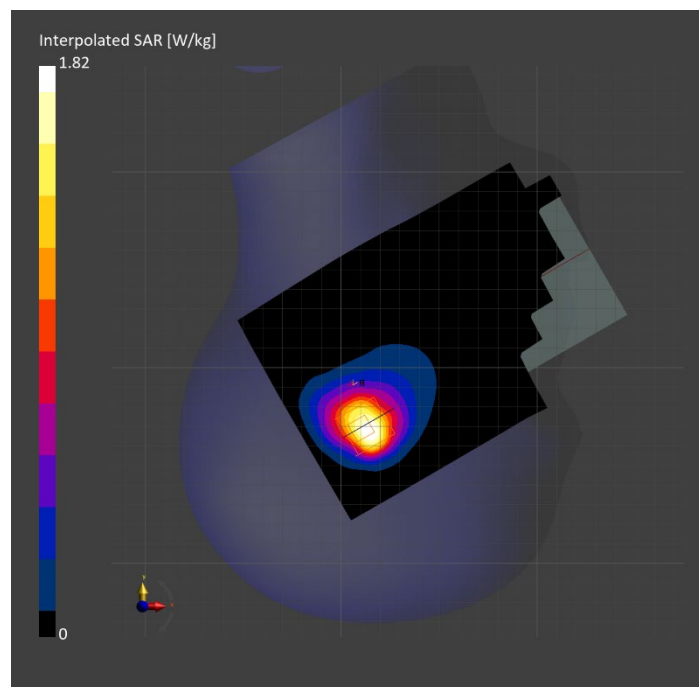
Probe   Calibration Date	EX3DV4 - SN7807   2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE   Calibration Date	DAE4 Sn1799   2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

## 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	<b>0.769</b>
psSAR10g [W/Kg]	0.393	<b>0.373</b>
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

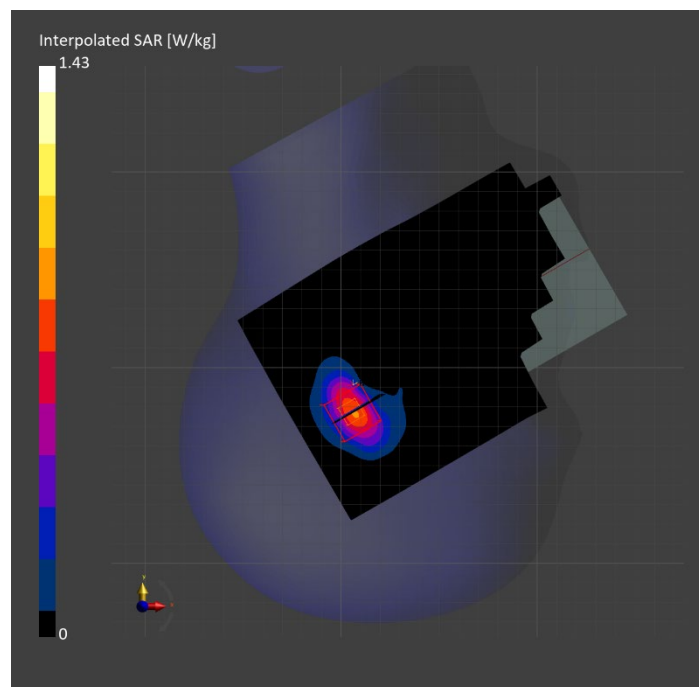
Probe   Calibration Date	EX3DV4 - SN7807   2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE   Calibration Date	DAE4 Sn1799   2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

## 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	<b>0.686</b>
psSAR10g [W/Kg]	0.333	<b>0.325</b>
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

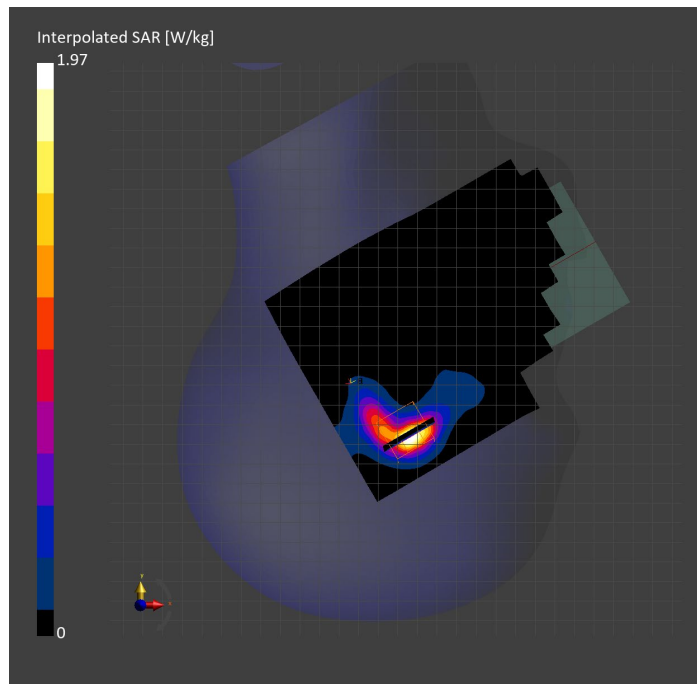
Probe   Calibration Date	EX3DV4 - SN3989   2023-01-26	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE   Calibration Date	DAE4 Sn1257   2022-09-20	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

## 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	<b>0.640</b>
psSAR10g [W/Kg]	0.233	<b>0.231</b>
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

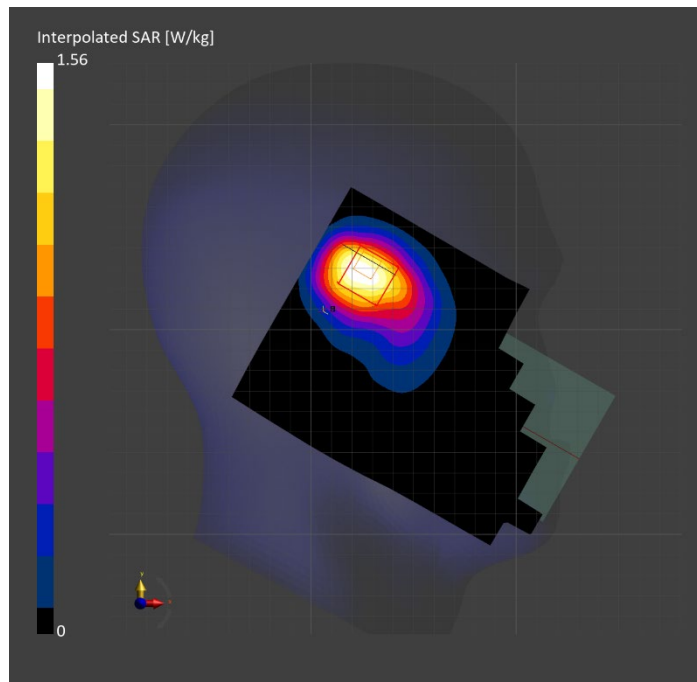
Probe   Calibration Date	EX3DV4 - SN7807   2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE   Calibration Date	DAE4 Sn1799   2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

## 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	<b>0.790</b>
psSAR10g [W/Kg]	0.469	<b>0.458</b>
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

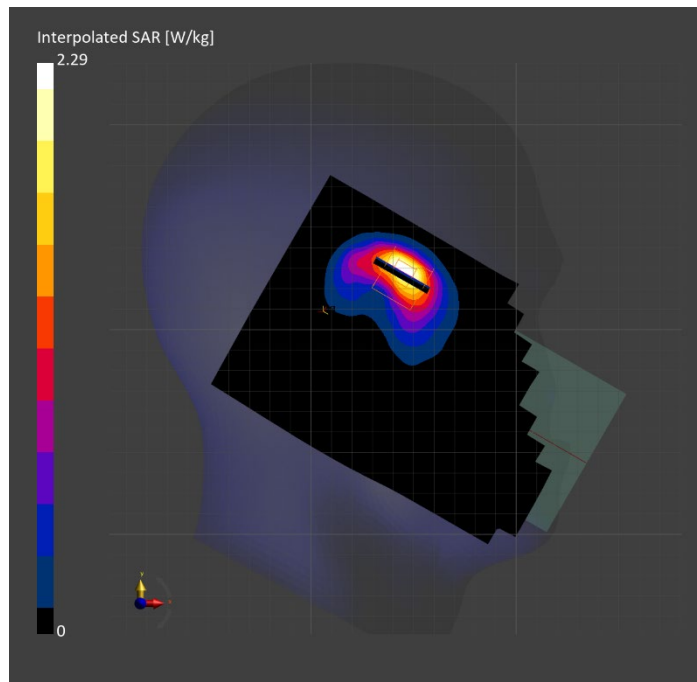
Probe   Calibration Date	EX3DV4 - SN7807   2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE   Calibration Date	DAE4 Sn1799   2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

## 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	<b>0.852</b>
psSAR10g [W/Kg]	0.340	<b>0.354</b>
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	<b>0.847</b>
psSAR10g [W/Kg]	0.287	<b>0.329</b>
Power Drift [dB]	N/A	0.07

