

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

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

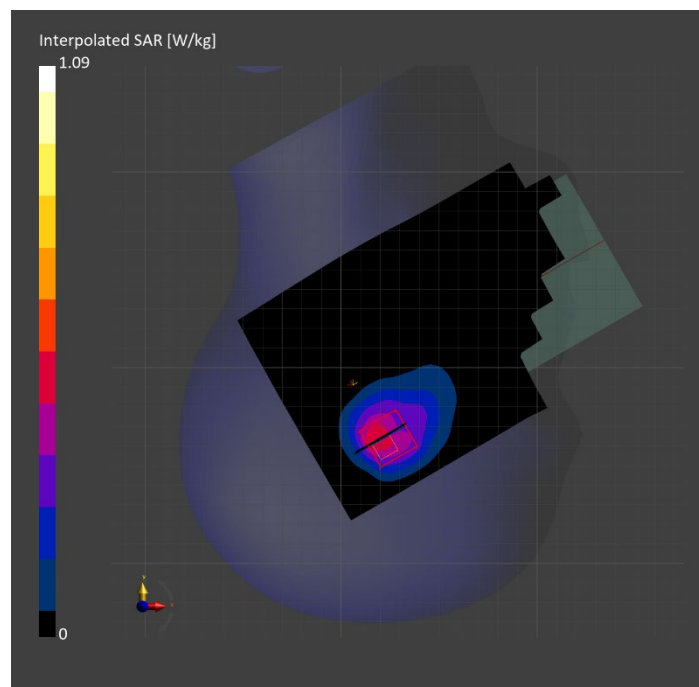
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

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 [%]		72.3
Dist 3dB Peak [mm]		7.1

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.424	0.458
psSAR10g [W/Kg]	0.233	0.233
Power Drift [dB]	N/A	0.15



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

Exposure Conditions

Band	Band 4	TSL Permittivity	39.9
Frequency [MHz] Channel Number	1752.600 1513	TSL Conductivity [S/m]	1.36
Group UID	WCDMA 10011-CAC	Phantom Section TSL	RightHead HSL
Conversion Factor	8.02	Test Distance [mm]	0.00

Hardware Setup

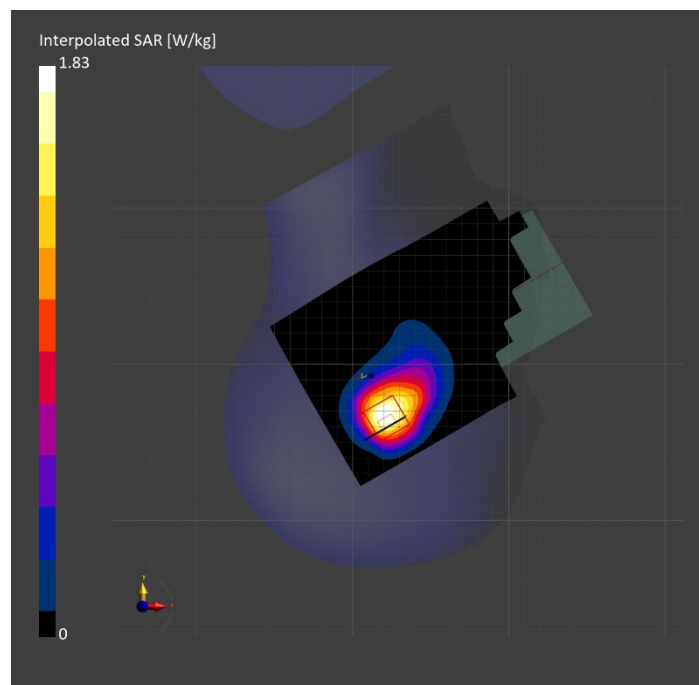
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

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 [%]		72.4
Dist 3dB Peak [mm]		8.6

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.827	0.787
psSAR10g [W/Kg]	0.483	0.439
Power Drift [dB]	N/A	0.00



Measurement Report for Band 66: LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band 66	TSL Permittivity	39.9
Frequency [MHz] Channel Number	1745.000 132322	TSL Conductivity [S/m]	1.36
Group UID	LTE-FDD 10100-CAF	Phantom Section TSL	LeftHead HSL
Conversion Factor	8.02	Test Distance [mm]	0.00

Hardware Setup

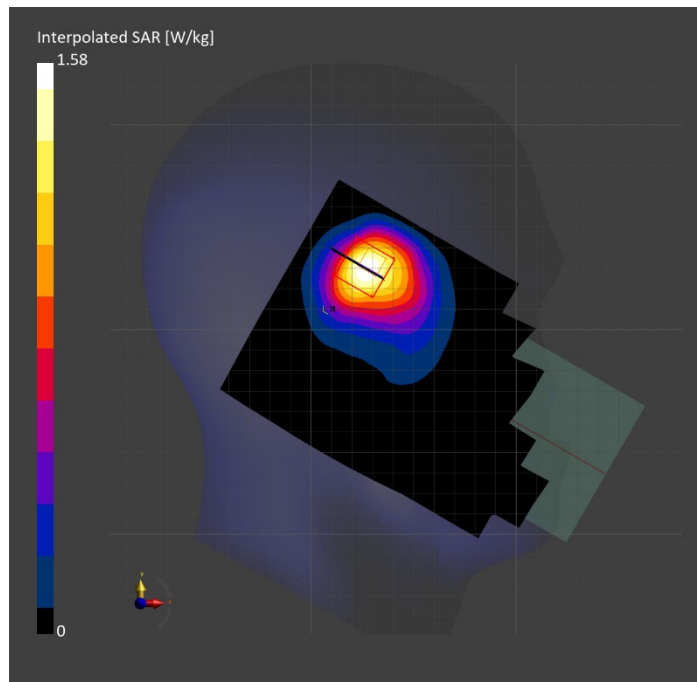
Probe Calibration Date	EX3DV4 - SN7807 2023-04-11	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 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 [%]		77.7
Dist 3dB Peak [mm]		8.6

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.739	0.746
psSAR10g [W/Kg]	0.426	0.403
Power Drift [dB]	N/A	0.00



Measurement Report for Band n30: 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, CHEEK

Exposure Conditions

Band	Band n30	TSL Permittivity	39.3
Frequency [MHz] Channel Number	2310.000 462000	TSL Conductivity [S/m]	1.63
Group UID	5G NR FR1 FDD 10929-AAD	Phantom Section TSL	RightHead HSL
Conversion Factor	7.71	Test Distance [mm]	0.00

Hardware Setup

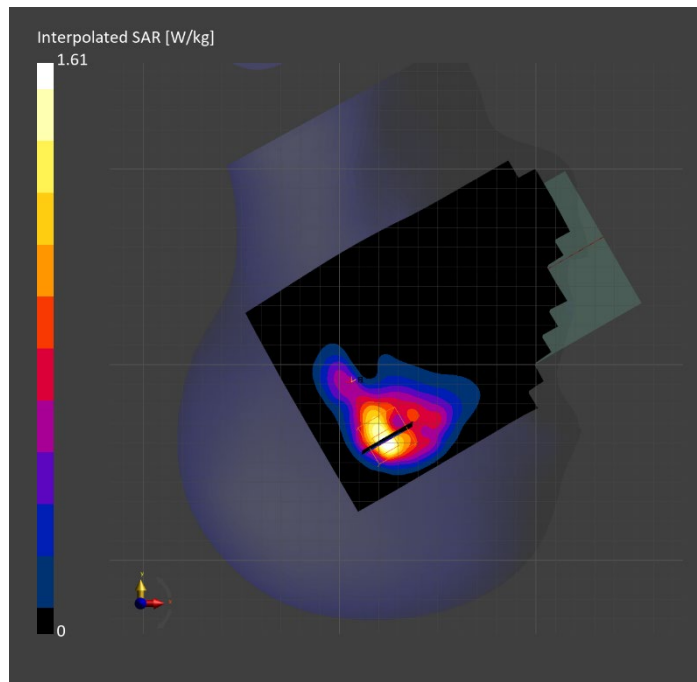
Probe Calibration Date	EX3DV4 - SN7482 2023-04-18	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1380 2023-02-14	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 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 [%]		73.7
Dist 3dB Peak [mm]		5.9

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.616	0.651
psSAR10g [W/Kg]	0.297	0.295
Power Drift [dB]	N/A	-0.02



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	39.6
Frequency [MHz] Channel Number	2437.000 6	TSL Conductivity [S/m]	1.78
Group UID	WLAN 10012-CAB	Phantom Section TSL	LeftHead HSL
Conversion Factor	7.64	Test Distance [mm]	0.00

Hardware Setup

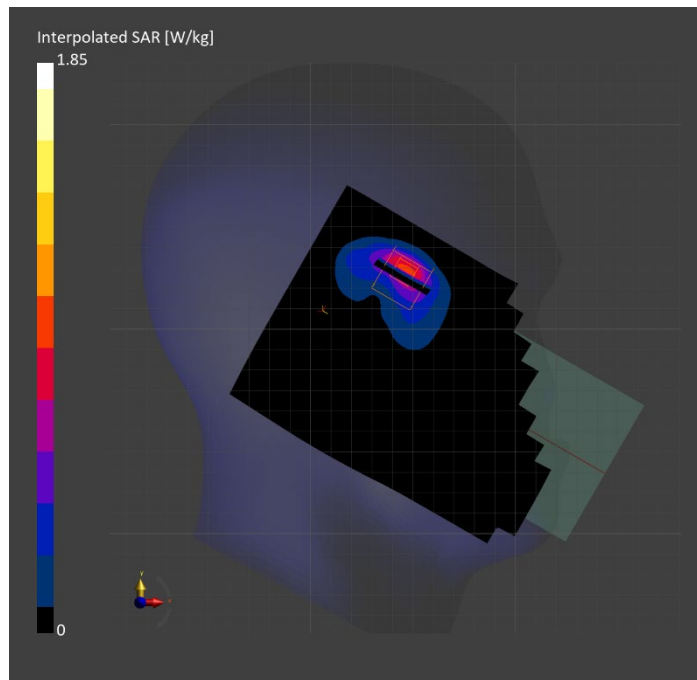
Probe Calibration Date	EX3DV4 - SN7587 2023-04-18	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1239 2023-03-16	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 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 [%]		75.9
Dist 3dB Peak [mm]		6.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.715	0.761
psSAR10g [W/Kg]	0.324	0.336
Power Drift [dB]	N/A	-0.01



Measurement Report for U-NII-1, U-NII-2A: IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK), CHEEK

Exposure Conditions

Band	U-NII-1, U-NII-2A	TSL Permittivity	35.9
Frequency [MHz] Channel Number	5230.000 46	TSL Conductivity [S/m]	4.69
Group UID	WLAN 10114-CAE	Phantom Section TSL	RightHead HSL
Conversion Factor	5.56	Test Distance [mm]	0.00

Hardware Setup

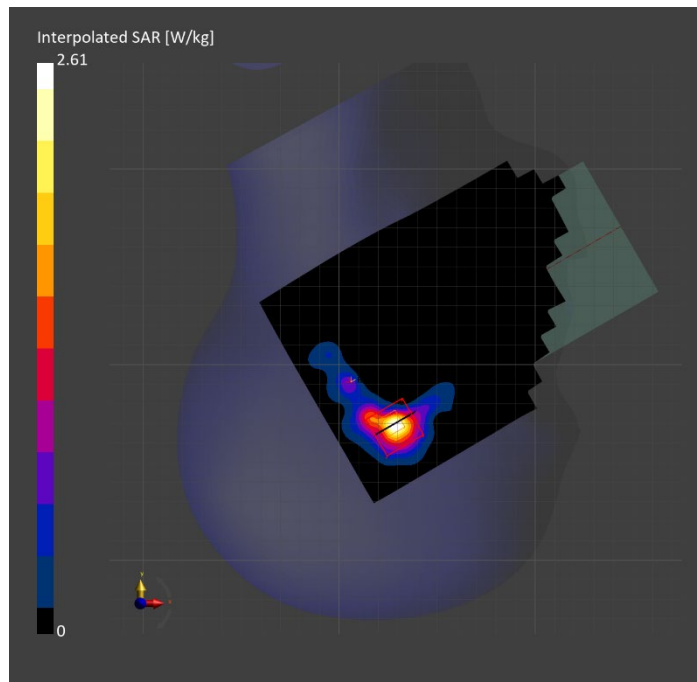
Probe Calibration Date	EX3DV4 - SN7810 2023-04-25	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1439 2023-03-16	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 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 [%]		66.0
Dist 3dB Peak [mm]		4.1

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.567	0.670
psSAR10g [W/Kg]	0.181	0.216
Power Drift [dB]	N/A	-0.06



Measurement Report for Custom Band: CW, EDGE RIGHT

Exposure Conditions

Band	Custom Band	Phantom Section	5G
Frequency [MHz] Channel Number	25200.0 2032499	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	3.2.2.2358		

Scan Setup

Scan Type	5G Scan	Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.17158298424721127 x 0.17158298424721127	Sensor Surface [mm]	2.0

Measurement Results

Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.12
psPDtot+ [W/m ²]	3.23
psPDmod+ [W/m ²]	3.90
E _{max} [V/m]	95.5
Power Drift [dB]	-0.22

