

Measurement Report for Handheld microphone, , , CW, Channel 0 (450.000 MHz)

Device Under Test Properties– System Performance check

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Handheld microphone, Kingdom	N/A x N/A x N/A		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	450.000, 0	10.72	0.851	44.7

Hardware Setup

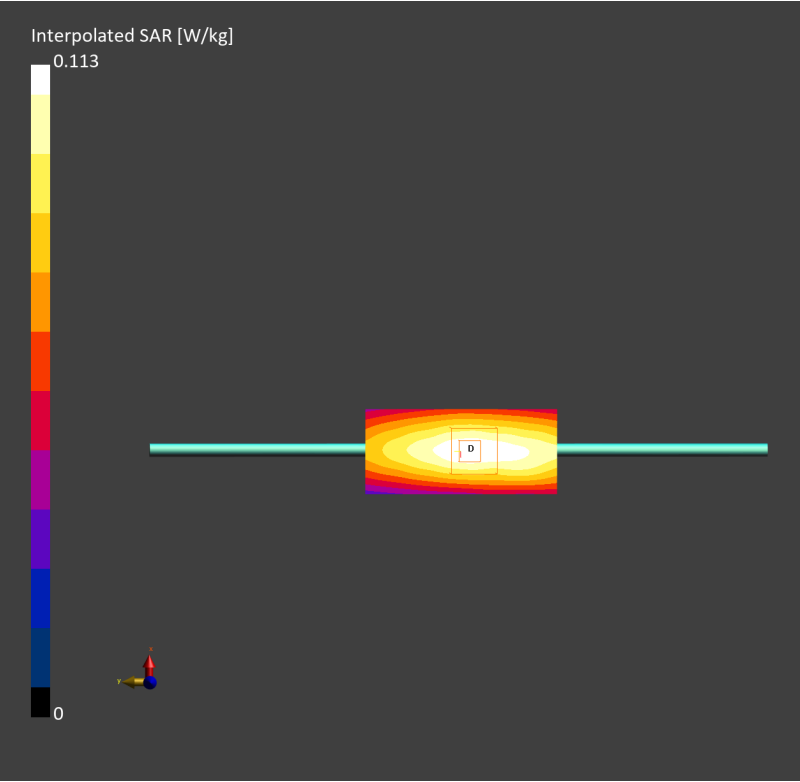
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2186	HSL450 Charge: xxxx, 2025-Mar-20	EX3DV4 – SN7871, 2024-04-24	DAE4ip Sn1859, 2024-03-26

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-20, 13:56	2025-03-20, 14:02
psSAR1g [W/Kg]	0.099	0.10
psSAR10g [W/Kg]	0.069	0.066
Power Drift [dB]	-0.05	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.7
Dist 3dB Peak [mm]		> 15.0



Plot 2

Measurement Report for Handheld microphone, FRONT, Custom Band, CW, Channel 542000 (542.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Handheld microphone, Kingdom	255.0 x 45.0 x 45.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Custom Band	CW, 0--	542.000, 542000	10.72	0.927	43.2

Hardware Setup

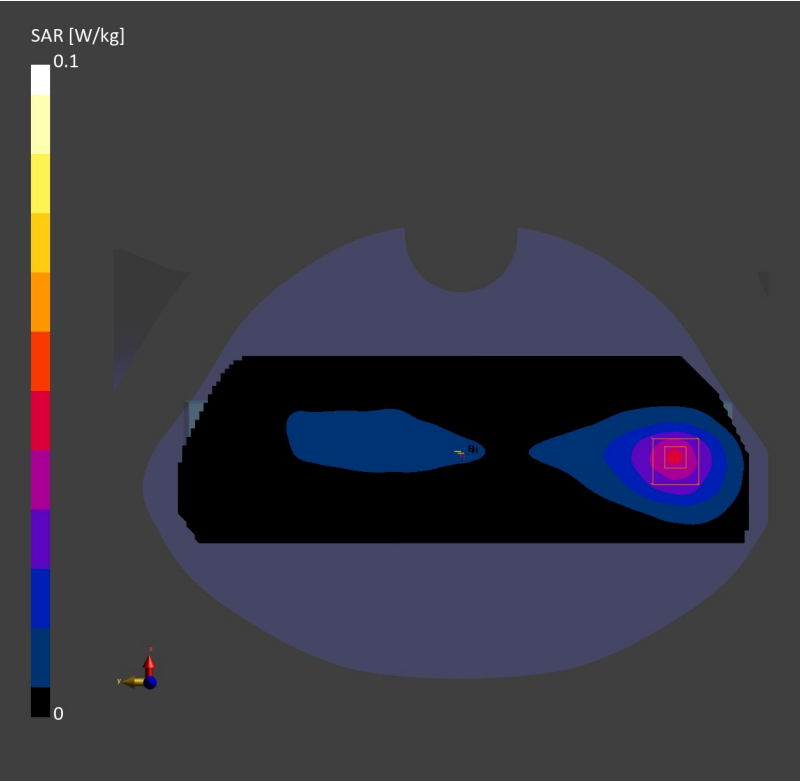
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2186	HSL450 Charge: xxxx, 2025-Mar-20	EX3DV4 – SN7871, 2024-04-24	DAE4ip Sn1859, 2024-03-26

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 300.0	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
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-20, 15:37	2025-03-20, 15:43
psSAR1g [W/Kg]	0.039	0.050
psSAR10g [W/Kg]	0.026	0.024
Power Drift [dB]	-0.05	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.3
Dist 3dB Peak [mm]		8.5



Plot 3

Measurement Report for Handheld microphone, FRONT, Custom Band, CW, Channel 546000 (546.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Handheld microphone, Kingdom	255.0 x 45.0 x 45.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Custom Band	CW, 0--	546.000, 546000	10.72	0.930	43.2

Hardware Setup

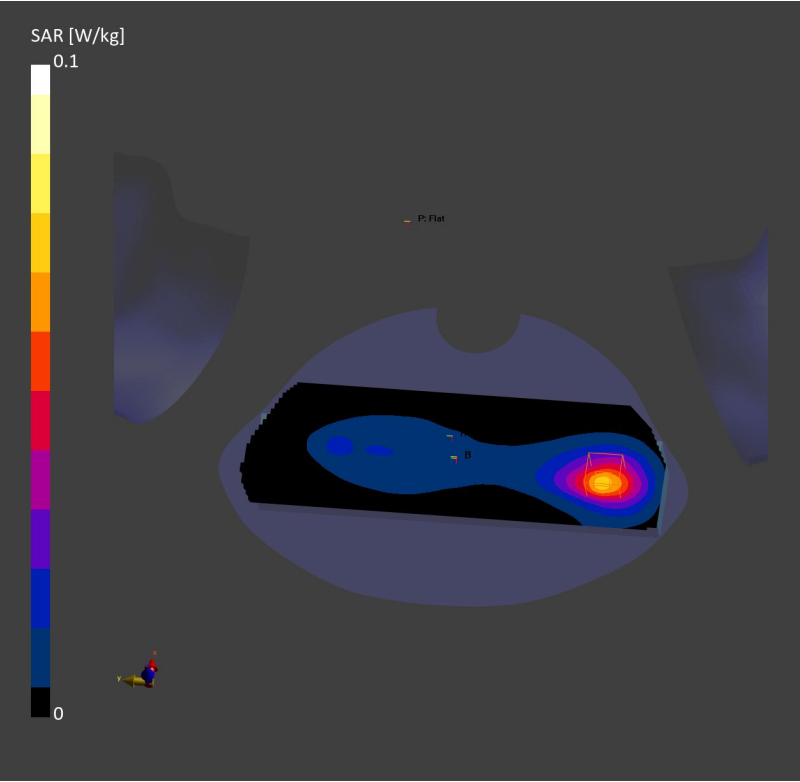
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2186	HSL450 Charge: xxxx, 2025-Mar-20	EX3DV4 – SN7871, 2024-04-24	DAE4ip Sn1859, 2024-03-26

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 300.0	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
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-21, 09:13	2025-03-21, 09:19
psSAR1g [W/Kg]	0.065	0.081
psSAR10g [W/Kg]	0.042	0.039
Power Drift [dB]	0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.0
Dist 3dB Peak [mm]		8.7



Plot 4

Measurement Report for Handheld microphone, FRONT, D600V3, CW, Channel 0 (550.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Handheld microphone, Kingdom	255.0 x 45.0 x 45.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	D600V3	CW, 0--	550.000, 0	10.72	0.934	43.1

Hardware Setup

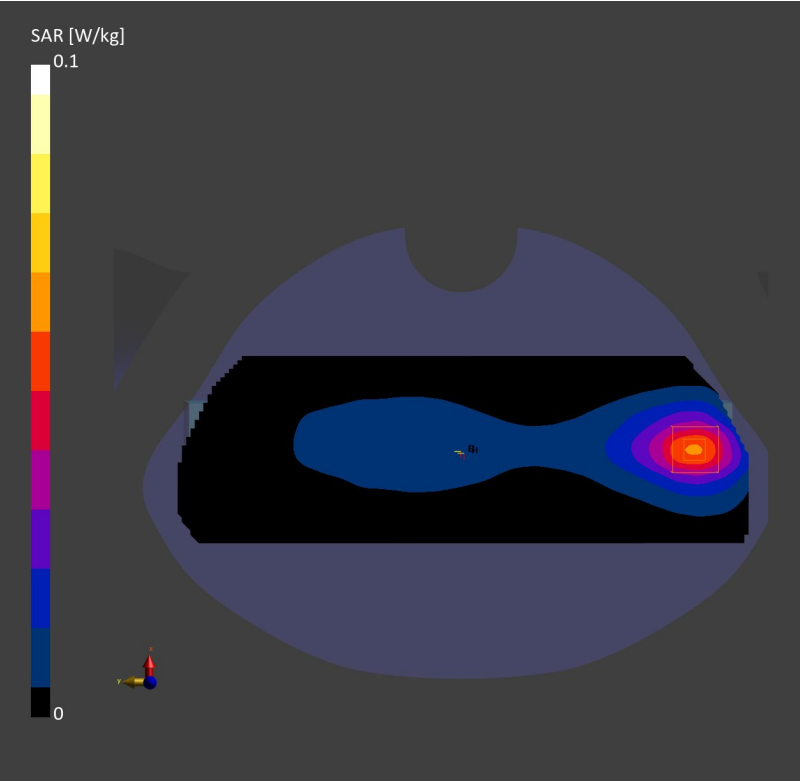
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2186	HSL450 Charge: xxxx, 2025-Mar-20	EX3DV4 – SN7871, 2024-04-24	DAE4ip Sn1859, 2024-03-26

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 300.0	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
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-20, 14:40	2025-03-20, 14:46
psSAR1g [W/Kg]	0.061	0.062
psSAR10g [W/Kg]	0.037	0.030
Power Drift [dB]	-0.08	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.8
Dist 3dB Peak [mm]		8.5



Measurement Report for Handheld microphone, BACK, Custom Band, CW, Channel 542000 (542.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Handheld microphone, Kingdom	255.0 x 45.0 x 45.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	Custom Band	CW, 0--	542.000, 542000	10.72	0.927	43.2

Hardware Setup

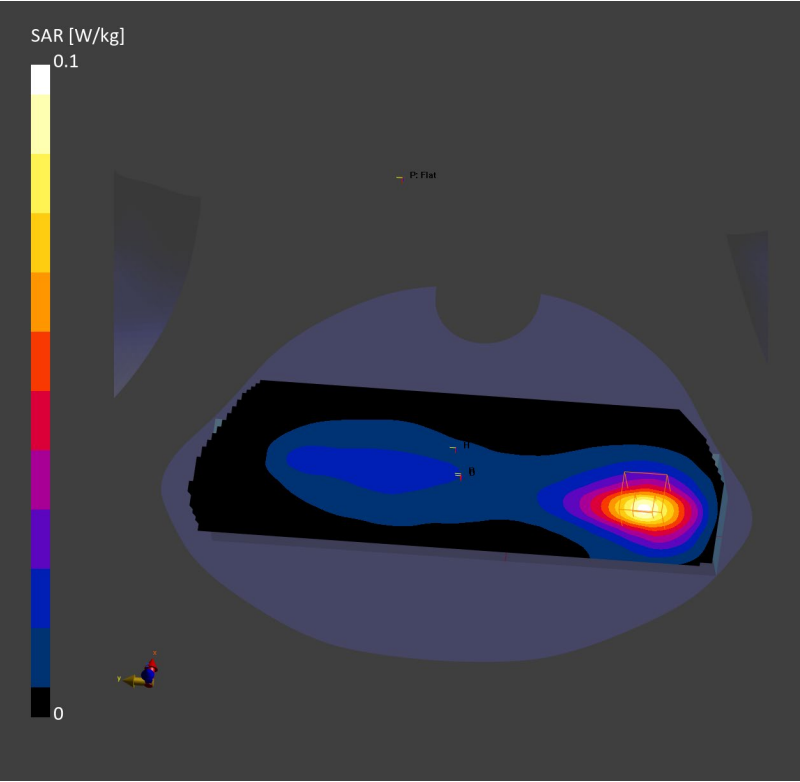
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2186	HSL450 Charge: xxxx, 2025-Mar-20	EX3DV4 – SN7871, 2024-04-24	DAE4ip Sn1859, 2024-03-26

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 300.0	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
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-21, 10:52	2025-03-21, 10:59
psSAR1g [W/Kg]	0.088	0.091
psSAR10g [W/Kg]	0.055	0.045
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.4
Dist 3dB Peak [mm]		8.7



Measurement Report for Handheld microphone, BACK, Custom Band, CW, Channel 546000 (546.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Handheld microphone, Kingdom	255.0 x 45.0 x 45.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	Custom Band	CW, 0--	546.000, 546000	10.72	0.930	43.2

Hardware Setup

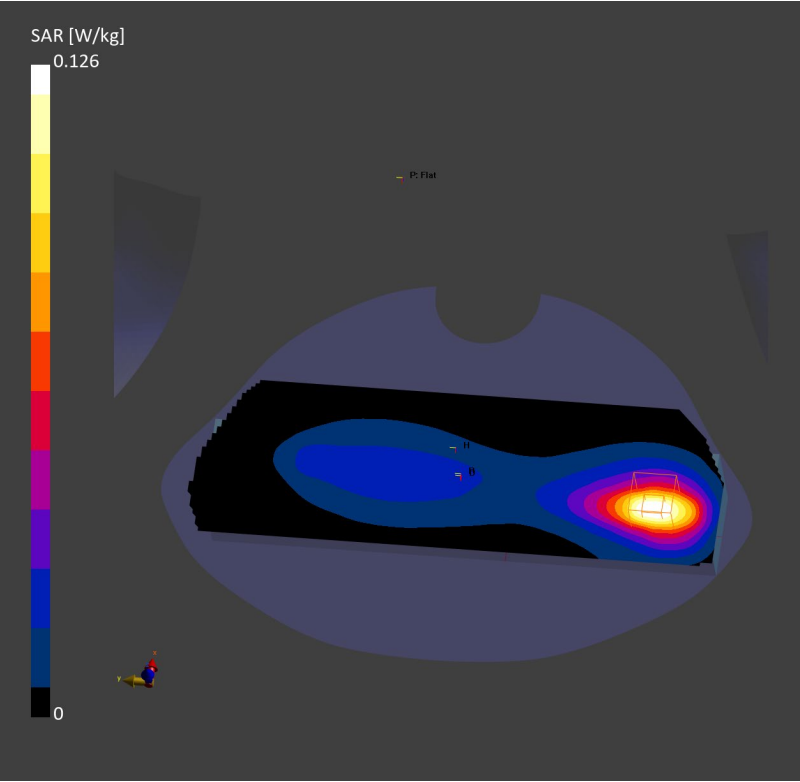
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2186	HSL450 Charge: xxxx, 2025-Mar-20	EX3DV4 – SN7871, 2024-04-24	DAE4ip Sn1859, 2024-03-26

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 300.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.7 x 5.7 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-21, 11:22	2025-03-21, 11:30
psSAR1g [W/Kg]	0.122	0.131
psSAR10g [W/Kg]	0.075	0.064
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.0
Dist 3dB Peak [mm]		6.9



Plot 7

Measurement Report for Handheld microphone, BACK, D600V3, CW, Channel 0 (550.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Handheld microphone, Kingdom	255.0 x 45.0 x 45.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D600V3	CW, 0--	550.000, 0	10.72	0.934	43.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2186	HSL450 Charge: xxxx, 2025-Mar-20	EX3DV4 – SN7871, 2024-04-24	DAE4ip Sn1859, 2024-03-26

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 300.0	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
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-21, 10:24	2025-03-21, 10:30
psSAR1g [W/Kg]	0.107	0.118
psSAR10g [W/Kg]	0.068	0.058
Power Drift [dB]	-0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.3
Dist 3dB Peak [mm]		8.5

