# Appendix E SAR Measurement data

E.1 Evaluation procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the E-field at a fixed location above the ear point or central position of flat phantom was used as a reference value for assessing the power drop.

Step 2: The SAR distribution at the exposed side of head or body position was measured at a distance of each device from the inner surface of the shell. The area covered the entire dimension of the antenna of EUT and the horizontal grid spacing was 15 mm x 15 mm, 12 mm x 12 mm or 10 mm x 10 mm. Based on these data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Around this point found in the Step 2 (area scan), a volume of 30 mm x 30 mm x 30 mm or more was assessed by measuring 7 x 7 x 7 points at least for below 3 GHz and a volume of 28 mm x 28 mm x 22.5 mm or more was assessed by measuring 8 x 8 x 6(ratio step method (\*1)) points at least for 5 GHz band.

And for any secondary peaks found in the Step2 which are within 2 dB of maximum peak and not with this Step3 (Zoom scan) is repeated. On the basis of this data set, the spatial peak SAR value was evaluated under the following procedure:

(1). The data at the surface were extrapolated, since the center of the dipoles is 1mm(EX3DV4) away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.3 mm. The extrapolation was based on a least square algorithm [4]. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.

(2). The maximum interpolated value was searched with a straightforward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed by the 3D-Spline interpolation algorithm. The 3D-Spline is composed of three one-dimensional splines with the "Not a knot"-condition (in x, y and z-directions) [4], [5]. The volume was integrated with the trapezoidal-algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the average.

(3). All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

\*1. Ratio step method parameters used;

The first measurement point: 2 mm from the phantom surface, the initial grid separation: 2 mm, subsequent graded grid ratio: 1.5

These parameters comply with the requirement of the KDB 865664D01.

Step 4: Re-measurement of the E-field at the same location as in Step 1.

Confirmation after SAR testing

It was checked that the power drift [W] is within +/-5 %. The verification of power drift during the SAR test is that DASY5 system calculates the power drift by measuring the e-filed at the same location at beginning and the end of the scan measurement for each test position.

DASY5 system calculation Power drift value[dB] =20log(Ea)/(Eb) Before SAR testing : Eb[V/m] After SAR testing : Ea[V/m]

Limit of power drift[W] =+/-5 % X[dB]=10log[P]=10log(1.05/1)=10log(1.05)-10log(1)=0.212 dB

from E-filed relations with power.  $p=E^2/\eta=E^2/$ Therefore, The correlation of power and the E-filed XdB=10log(P)=10log(E)^2=20log(E)

Therefore,

The calculated power drift of DASY5 System must be the less than +/-0.212 dB.

#### E.2 Plot No. W2-1 WCDMA2 Full/Rear tilt edge4 ch 9262 RMC12.2k 0 mm 2024/04/23

#### **Communication System info**

Communication System: UID 0, #WCDMA (0) Communication System Band: Band IIDuty Cycle: 1:1 Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

#### Probe info:

Probe: EX3DV4 - SN3917 / Calibrated: 2023/05/23 ConvF(8.21, 8.21, 8.21) @ 1852.4 MHz Medium parameters used (interpolated): f = 1852.4 MHz;  $\sigma$  = 1.37 S/m;  $\epsilon_r$  = 39.602;  $\rho$  = 1000 kg/m<sup>3</sup> Sensor-Surface: 1.4 mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4 mm (Mechanical Surface Detection)

#### DAE info:

Electronics: DAE4 Sn509 / Calibrated: 2023/08/04

#### Phantom info:

Phantom: ELI v4.0 (20 deg probe tilt)/Phantom section: Flat Section Type: QDOVA001BB Serial: TP:1045 **Software info** DASY52 52.10.4(1535) SEMCAD X 14.6.14(7501)

WCDMA2 Full/Rear tilt edge4 ch 9262 RMC12.2k 0 mm/Area Scan (101x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation. Maximum value of SAR (interpolated) = 1.01 W/kg

WCDMA2 Full/Rear tilt edge4 ch 9262 RMC12.2k 0 mm/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm

Reference Value = 27.43 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 1.14 W/kg **SAR(1 g) = 0.686 W/kg; SAR(10 g) = 0.411 W/kg** Smallest distance from peaks to all points 3 dB below = 16.4 mm Ratio of SAR at M2 to SAR at M1 = 60.2%

Info: Interpolated medium parameters used for SAR evaluation. Maximum value of SAR (measured) = 0.967 W/kg

Note: Liquid temp. is kept within the 2 degree.C. during the test.



E.3 Plot No. W2-2 WCDMA 2 Red/Edge4 ch 9400 RMC12.2k 0 mm 2024/04/24 6:20:31 **Communication System info** Communication System: UID 0, #WCDMA (0) Communication System Band: Band IIDuty Cycle: 1:1 Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

#### Probe info:

Probe: EX3DV4 - SN3917 / Calibrated: 2023/05/23 ConvF(8.21, 8.21, 8.21) @ 1880 MHz Medium parameters used: f = 1880 MHz;  $\sigma$  = 1.386 S/m;  $\epsilon_r$  = 39.56;  $\rho$  = 1000 kg/m<sup>3</sup> Sensor-Surface: 1.4 mm (Mechanical Surface Detection)

#### DAE info:

Electronics: DAE4 Sn509 / Calibrated: 2023/08/04

#### Phantom info:

Phantom: ELI v4.0 (20deg probe tilt)/Phantom section: Flat Section Type: QDOVA001BB Serial: TP:1045 **Software info** DASY52 52.10.4(1535) SEMCAD X 14.6.14(7501)

WCDMA 2 Red/Edge4 ch 9400 RMC12.2k 0 mm/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.889 W/kg

# WCDMA 2 Red/Edge4 ch 9400 RMC12.2k 0 mm/Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm

Reference Value = 26.30 V/m; Power Drift = -0.11 dB Peak SAR (extrapolated) = 1.10 W/kg SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.275 W/kg Smallest distance from peaks to all points 3 dB below = 8 mm Ratio of SAR at M2 to SAR at M1 = 50.5 % Maximum value of SAR (measured) = 0.901 W/kg

Note: Liquid temp. is kept within the 2 degree.C. during the test.



# E.4 Plot No. W4-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversion	on TSL Conductivity		rity	TSL
[mm]	[MHz]	Factor		[S/m]		Permittivity
Rear tilt edge4 9 mm	1712.400	8.49		1.35		40.2
Hardware Setup						
Phantom	TSL, Measured	Date	Probe, Calibration		DA	E, Calibration
			Date		Date	
ELI V5.0 (20deg probe	HBBL-600-1000	0 Checked:	EX3D	V4 - SN3917,	DAE	E4 Sn1369,
tilt) - 1203	2024-Apr-29		2023-05	5-23	2023-	05-23

Scans Setup	-	-
Scan	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	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	-	-
Measurement Results Scan	- Area Scan	- Zoom Scan
Measurement Results Scan Date	- Area Scan 2024-04-29, 10:58	- Zoom Scan 2024-04-29, 11:04
Measurement Results Scan Date psSAR1g [W/Kg]	- Area Scan 2024-04-29, 10:58 0.969	- Zoom Scan 2024-04-29, 11:04 0.988
Measurement Results Scan Date psSAR1g [W/Kg] psSAR10g [W/Kg]	- Area Scan 2024-04-29, 10:58 0.969 0.568	- Zoom Scan 2024-04-29, 11:04 0.988 0.593
Measurement Results Scan Date psSAR1g [W/Kg] psSAR10g [W/Kg] Power Drift [dB]	- Area Scan 2024-04-29, 10:58 0.969 0.568 -0.00	- Zoom Scan 2024-04-29, 11:04 0.988 0.593 0.00
Measurement ResultsScanDatepsSAR1g [W/Kg]psSAR10g [W/Kg]Power Drift [dB]Power Scaling	- Area Scan 2024-04-29, 10:58 0.969 0.568 -0.00 Disabled	- Zoom Scan 2024-04-29, 11:04 0.988 0.593 0.00 Disabled
Measurement Results   Scan   Date   psSAR1g [W/Kg]   psSAR10g [W/Kg]   Power Drift [dB]   Power Scaling   TSL Correction	- Area Scan 2024-04-29, 10:58 0.969 0.568 -0.00 Disabled No correction	- Zoom Scan 2024-04-29, 11:04 0.988 0.593 0.00 Disabled No correction
Measurement ResultsScanDatepsSAR1g [W/Kg]psSAR10g [W/Kg]Power Drift [dB]Power ScalingTSL CorrectionM2/M1 [%]	- Area Scan 2024-04-29, 10:58 0.969 0.568 -0.00 Disabled No correction -	- Zoom Scan 2024-04-29, 11:04 0.988 0.593 0.00 Disabled No correction 81.4



# E.5 Plot No. W4-2 Room Temp 23.0 deg.C / Liquid Temp 23.0 deg.C SAR1 Exposure Conditions

SANT Exposure cond					
Position, Test Distance	Frequency	Conversion	TSL Conductivity	TSL	
[mm]	[MHz]	Factor	[S/m]	Permittivity	
EDGE4, 0.00 mm	1732.600	8.77	1.34	38.1	
Hardware Setup					
Phantom	TSL, Measured	Date	Probe, Calibration Date	DAE, Calibration Date	
ELI V5.0 (20deg probe	HBBL-600-1000	0 Checked:1.75	EX3DV4 - SN3825,	DAE4 Sn1369,	
tilt) - 1203	0415, 2024-Apr	-15	2023-07-12	2023-05-23	
Scans Setup		_	-		
Scan		Area Scan	Zoom Sca	n	
Grid Extents [mm]		60.0 x 240.0	30.0 x 30.0	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	Measured	
Measurement Results	5	_	-		
Scan		Area Scan	Zoom Sca	n	
Date		2024-04-16, 08:53	3 2024-04-1	6, 08:59	
psSAR1g [W/Kg]		0.487	0.571		
psSAR10g [W/Kg]		0.281	0.283		
Power Drift [dB]		-0.00	0.00		
Power Scaling		Disabled	Disabled		
TSL Correction		Positive only	Positive or	nly	
M2/M1 [%]		-	80.0		
Dist 3dB Peak [mm]		_	8.4		



# E.6 Plot No. W5-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Convers	ion TSL Co	nductivity	TSL
[mm]	[MHz]	Factor	[S/m]	-	Permittivity
BACK, 0.00	836.600	9.64	0.928		42.2
Hardware Setup					
Phantom	TSL, Measure	d Date	Probe, Calibrati	on Date DAE,	Calibration
				Date	
ELI V5.0 (20deg probe	HBBL-600-100	000 Checked:	EX3DV4 - SN3	825, DAE	4 Sn1369, 2023-
tilt) - 1203	2024-Apr-23		2023-07-12	05-23	3
Scans Setup			_		_
Scan			Area Scan		Zoom Scan
Grid Extents [mm]			120.0 x 120.0	3	$0.0 \times 30.0 \times 30.0$
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			All points		All points
Scan Method			Measured		Measured
Measurement Results			-		-
Scan			Area Scan		Zoom Scan
Date		20	024-04-23, 13:01	20	024-04-23, 13:16
psSAR1g [W/Kg]			0.708		0.711
psSAR10g [W/Kg]			0.464		0.467
Power Drift [dB]			-0.06		-0.01
Power Scaling			Disabled		Disabled
TSL Correction			No correction		No correction
M2/M1 [%]			-		84.0
Dist 3dB Peak [mm]			-		15.7



# E.7 Plot No. W5-2 Room Temp 23.0 deg.C / Liquid Temp 23.0 deg.C SAR1 Exposure Conditions

Position, Test Distance [mm	] Frequency [MHz]	Conversion Fa	actor TSL Con	ductivity [S/m]	TSL Permittivity
EDGE4 LEFT, 0.00 mm	836.600	9.64	0.919		42.1
Hardware Setup					
Phantom	TSL, Measured Date	Pr	robe, Calibratior	Date DAE	, Calibration Date
ELI V5.0 (20deg probe tilt) -	HBBL-600-10000 Che	cked: 2024-E	X3DV4 - SN382	5, 2023- DAE	4 Sn1369, 2023-
1203	Apr-21	07	7-12	05-23	3

Scans Setup	-	-
Scan	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 240.0	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	-	-
Scan	Area Scan	Zoom Scan
Date	2024-04-22, 09:56	2024-04-22, 10:05
psSAR1g [W/Kg]	0.711	0.777
psSAR10g [W/Kg]	0.458	0.418
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]	-	77.8
Dist 3dB Peak [mm]	-	9.6



# E.8 Plot No. L4-1 Room Temp 23.0 deg.C / Liquid Temp 23.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Convers	ion TSL	Conductivit	y TSL
[mm]	[MHz]	Factor	[S/m]		Permittivity
EDGE4, 19 mm	1732.500	8.77	1.34		38.1
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Calib	ration Date	DAE, Calibration Date
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SI	N3825,	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-15		2023-07-12		05-23
Scane Satur					
Scans Setup		- Aroa Saan		- 700m So	<u></u>
Ocall Grid Extents [mm]		Alea Scall 60.0 v 240.0		20011 30	an N 0 x 30 0
Grid Stens [mm]		$15.0 \times 15.0$		60x60	v 1 5
Sensor Surface [mm]		3.0		1 4	X 1.5
Graded Grid		0.0 N/A		Yes	
Grading Ratio		N/A		1.5	
MAIA		N/A		N/A	
Surface Detection		All points		All points	5
Scan Method		Measured		Measure	d
Measurement Results		-		-	
Scan		Area Scan		Zoom So	an
Date		2024-04-15, 1	7:58	2024-04-	15, 18:13
psSAR1g [W/Kg]		0.749		0.804	
psSAR10g [W/Kg]		0.454		0.489	
Power Drift [dB]		-0.05		-0.01	
Power Scaling		Disabled		Disabled	
TSL Correction		Positive only		Positive	only
M2/M1 [%]		-		83.0	
Dist 3dB Peak [mm]		-		18.8	



# E.9 Plot No. L4-2 Room Temp 23.0 deg.C / Liquid Temp 23.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	/ Conver	sion	TSL Conductiv	vity TSL
[mm]	[MHz]	Factor		[S/m]	Permittivity
EDGE4, 0.00 mm	1732.500	8.77		1.34	38.1
Hardware Setup					
Phantom	TSL, Measur	ed Date	Probe,	Calibration Dat	te DAE, Calibration
ELIV5.0 (20deg probe	HBBL-600-10	000 Checked	EX3DV	4 - SN3825.	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-15		2023-0	7-12	05-23
Scans Satur				L	
Scan		- Area Scan		Zoom	Scan
Grid Extents [mm]		60.0 x 240.0		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		Measu	red
Measurement Results		-		-	
Scan		Area Scan		Zoom	Scan
Date		2024-04-16,	04:23	2024-0	04-16, 04:30
psSAR1g [W/Kg]		0.537		0.627	
psSAR10g [W/Kg]		0.309		0.310	
Power Drift [dB]		0.00		-0.01	
Power Scaling		Disabled		Disable	ed
TSL Correction		Positive only		Positiv	e only
M2/M1 [%]		-		79.4	
Dist 3dB Peak [mm]		-		8.4	



# E.10 Plot No. L5-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL Co	onductivity	/ TSL
[mm]	[MHz]	Factor	[S/m]	-	Permittivity
Rear tilt edge4, 9.00 mm	n 836.500	9.64	0.928		42.2
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Calibra	tion Date	DAE, Calibration Date
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	825,	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-23		2023-07-12		05-23
Scans Setun		L		L	
Scan		Area Scan		Zoom Sca	an
Grid Extents [mm]		120 0 x 120 0		30 0 x 30	0 x 30 0
Grid Steps [mm]		15.0 x 15.0		6.0 x 6.0 x	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		All points		All points	
Scan Method		Measured		Measured	1
Measurement Results		-		-	
Scan		Area Scan		Zoom Sca	an
Date		2024-04-24, 08	3:11	2024-04-2	24, 08:26
psSAR1g [W/Kg]		0.664		0.676	
psSAR10g [W/Kg]		0.436		0.446	
Power Drift [dB]		-0.02		-0.01	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correc	tion
M2/M1 [%]		-		83.8	
Dist 3dB Peak [mm]		-		16.7	



# E.11 Plot No. L5-2 Room Temp 22.0 deg.C / Liquid Temp 21.5 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL Co	onductivity	TSL
[mm]	[MHz]	Factor	[S/m]	-	Permittivity
EDGE 4, 0.00 mm	836.500	10.04	0.923		40.0
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Calibrat	tion Date	DAE, Calibration
FLLV50(20deg probe	HBBI -600-10	000 Checked	EX3DV4 - SN3	917	DAE4 Sn1369 2023-
tilt) - 1203	2024-Apr-25	ooo oneeked.	2023-05-23	517,	05-23
Scans Setup		_		-	
Scan		Area Scan		Zoom Sca	an
Grid Extents [mm]		60.0 x 240.0		30.0 x 30.	.0 x 30.0
Grid Steps [mm]		15.0 x 15.0		5.9 x 5.9 x	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		_		-	
Scan		Area Scan		Zoom Sca	an
Date		2024-04-25, 20	):52	2024-04-2	25, 21:06
psSAR1g [W/Kg]		0.727		0.675	
psSAR10g [W/Kg]		0.439		0.373	
Power Drift [dB]		0.00		-0.04	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correc	tion
M2/M1 [%]		-		77.7	
Dist 3dB Peak [mm]		-		8.3	



#### E.12 Plot No. L7-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL Co	onductivity	TSL
[mm]	[MHz]	Factor	[S/m]	-	Permittivity
Rear tilt edge1, 0.00 mm	າ 2510.000	7.47	1.84		39.2
Hardware Setup					
Phantom	TSL, Measure	d Date	Probe, Calibrat	tion Date D/	AE, Calibration
				Da	ate
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	917, DA	AE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-24		2023-05-23	05	5-23
Scans Setup		-		-	
Scan		Area Scan		Zoom Scan	
Grid Extents [mm]		100.0 x 100.0		30.0 x 30.0	x 30.0
Grid Steps [mm]		10.0 x 10.0		5.0 x 5.0 x 1	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		-		-	
Scan		Area Scan		Zoom Scan	
Date		2024-04-24, 09	9:56	2024-04-24	, 10:04
psSAR1g [W/Kg]		0.597		0.605	
psSAR10g [W/Kg]		0.330		0.336	
Power Drift [dB]		-0.04		0.09	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correctio	n
M2/M1 [%]		-		81.2	
Dist 3dB Peak [mm]		-		20.6	



# E.13 Plot No. L7-2 Room Temp 22.5 deg.C / Liquid Temp 22.5 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Con	version	TSL Co	nductivity	y T	<b>FSL</b>
[mm]	[MHz]	Fact	tor	[S/m]	-	F	Permittivity
EDGE 4, 0.00 mm	2510.000	7.47	,	1.95		(·)	39.2
Hardware Setup							
Phantom	TSL, Measure	ed Date	Pro	obe, Calibrat	on Date	DAE, 0 Date	Calibration
ELI V5.0 (20deg probe	HBBL-600-10	000 Check	ed: EX	3DV4 - SN3	917.	DAE4	Sn1369, 2023-
tilt) - 1203	2024-Apr-30		202	23-05-23	- )	05-23	,
Scans Setup		-		•	-		
Scan		Area Scar	า		Zoom Sc	an	
Grid Extents [mm]		60.0 x 240	).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		
Grading Ratio		N/A			1.5		
MAIA		N/A			N/A		
Surface Detection		VMS + 6p			√MS + 6p	C	
Scan Method		Measured			Measure	d	
Measurement Results		-		•	-		
Scan		Area Scar	า		Zoom Sc	an	
Date		2024-04-3	80, 10:47		2024-04-	30, 10:	54
psSAR1g [W/Kg]		0.474			0.495		
psSAR10g [W/Kg]		0.224			0.223		
Power Drift [dB]		-0.03		•	0.03		
Power Scaling		Disabled			Disabled		
TSL Correction		No correc	tion		No correc	ction	
M2/M1 [%]		-			79.0		
Dist 3dB Peak [mm]		-			3.1		



# E.14 Plot No. L12-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL Co	onductivity	TSL
[mm]	[MHz]	Factor	[S/m]	-	Permittivity
Rear tilt edge1, 0.00 mm	n 707.500	9.79	0.898		43.3
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Calibra	tion Date	OAE, Calibration
				[	Date
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	3825, E	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-22		2023-07-12	0	5-23
Scans Setup		-		-	
Scan		Area Scan		Zoom Sca	n
Grid Extents [mm]		120.0 x 120.0		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		All points		All points	
Scan Method		Measured		Measured	
Measurement Results		-		-	
Scan		Area Scan		Zoom Sca	n
Date		2024-04-22, 20	):46	2024-04-22	2, 21:01
psSAR1g [W/Kg]		0.362		0.374	
psSAR10g [W/Kg]		0.251		0.265	
Power Drift [dB]		-0.00		-0.01	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correct	ion
M2/M1 [%]		-		87.7	
Dist 3dB Peak [mm]		-		> 15.0	



# E.15 Plot No. L12-2 Room Temp 22.0 deg.C / Liquid Temp 21.5 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	C	Conversio	on	TSL Co	onductivity		TSL
[mm]	[MHz]	F	actor		[S/m]			Permittivity
EDGE 4, 0.00 mm	707.500	1	0.09		0.878			40.5
Hardware Setup								
Phantom	TSL, Measure	ed Date		Probe,	Calibrat	ion Date	DAE, Date	Calibration
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked: EX3		EX3DV	4 - SN3	917,	DAE4	Sn1369, 2023-
tilt) - 1203	2024-Apr-25			2023-0	5-23		05-23	·
		1				1		
Scans Setup		-				-		
Scan		Area S	ican			Zoom Sc	an	
Grid Extents [mm]		60.0 x 240.0			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 + 6	þ	
Scan Method		Measu	red			Measure	d	
Measurement Results		-				-		
Scan		Area S	ican			Zoom Sc	an	
Date		2024-0	)4-25, 21	:11		2024-04-	25, 21	:20
psSAR1g [W/Kg]		0.704				0.697		
psSAR10g [W/Kg]		0.403				0.346		
Power Drift [dB]		0.00				0.00		
Power Scaling		Disable	ed			Disabled		
TSL Correction		No cor	rection			No correc	ction	
M2/M1 [%]		-				69.0		
Dist 3dB Peak [mm]		-				7.2		



# E.16 Plot No. L13-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

	<b>-</b>	0			TO
Position, Test Distance	Frequency	Conversi	on ISLCo	onductivity	ISL
[mm]	[MHz]	Factor	[S/m]		Permittivity
Rear tilt edge1, 0.00 mm	n 782.000	9.79	0.922		43.1
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Calibrat	ion Date DA	AE, Calibration
				Da	ate
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	825, DA	E4 Sn1369, 2023-
tilt) - 1203	2024-Apr-22		2023-07-12	05	-23
Scans Setup		-		-	
Scan		Area Scan		Zoom Scan	
Grid Extents [mm]		120.0 x 120.0		30.0 x 30.0 x	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		All points		All points	
Scan Method		Measured		Measured	
Measurement Results		-		-	
Scan		Area Scan		Zoom Scan	
Date		2024-04-22, 16	6:07	2024-04-22,	16:33
psSAR1g [W/Kg]		0.579		0.595	
psSAR10g [W/Kg]		0.403		0.421	
Power Drift [dB]		-0.02		-0.02	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correctio	n
M2/M1 [%]		-		85.6	
Dist 3dB Peak [mm]		-		22.7	



# E.17 Plot No. L13-2 Room Temp 22.0 deg.C / Liquid Temp 21.5 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Co	onversio	n	TSL Co	onductivity	V	TSL
[mm]	[MHz]	Fa	actor		[S/m]			Permittivity
EDGE 4, 0.00 mm	782.000	10	.09		0.903			40.2
Hardware Setup								
Phantom	TSL, Measure	ed Date		Probe,	Calibrat	ion Date	DAE, Date	Calibration
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked: EX3D		EX3DV	4 - SN3	917,	DAE4	Sn1369, 2023-
tilt) - 1203	2024-Apr-25	20		2023-0	5-23		05-23	•
		1				1		
Scans Setup		-				-		
Scan		Area Sc	an			Zoom Sc	an	
Grid Extents [mm]		60.0 x 240.0			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 + 6	бр			VMS + 6	D	
Scan Method		Measure	əd			Measure	d	
Measurement Results		-				-		
Scan		Area Sc	an			Zoom Sc	an	
Date		2024-04	-26, 07	:21		2024-04-	26, 07	:33
psSAR1g [W/Kg]		0.822				0.840		
psSAR10g [W/Kg]		0.497				0.438		
Power Drift [dB]		0.02				-0.03		
Power Scaling		Disabled	d			Disabled		
TSL Correction		No corre	ection			No correc	ction	
M2/M1 [%]		-				74.3		
Dist 3dB Peak [mm]		-				7.2		



# E.18 Plot No. L14-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL C	onductivity	TSL	
[mm]	[MHz]	Factor	[S/m]		Permittivity	
Rear tilt edge1, 0.00 mm	793.000	9.79	0.926		43.0	
Hardware Setup						
Phantom	TSL, Measure	ed Date	Probe, Calibra	tion Date	DAE, Calibration	
					Date	
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	825,	DAE4 Sn1369, 2023-	
tilt) - 1203	2024-Apr-22		2023-07-12		05-23	
		1		1		
Scans Setup		-		-		
Scan		Area Scan		Zoom Sca	an	
Grid Extents [mm]		120.0 x 120.0		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		All points		All points		
Scan Method		Measured		Measured		
Measurement Results		-		-		
Scan		Area Scan		Zoom Sca	an	
Date		2024-04-22, 16	6:50	2024-04-2	22, 17:15	
psSAR1g [W/Kg]		0.595		0.606		
psSAR8g [W/Kg]		0.432		0.448		
psSAR10g [W/Kg]		0.412		0.429		
Power Drift [dB]		-0.00		-0.01		
Power Scaling		Disabled		Disabled		
TSL Correction		No correction		No correct	tion	
M2/M1 [%]		-		85.4		
Dist 3dB Peak [mm]		-		21.7		



# E.19 Plot No. L14-2 Room Temp 22.0 deg.C / Liquid Temp 21.5 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL	Conductivi	ty TSL
[mm]	[MHz]	Factor	[S/n	ן [	Permittivity
EDGE 4, 0.00 mm	793.000	10.09	0.90	)7	40.2
Hardware Setup					
Phantom	TSL, Measured	l Date	Probe, Calik	oration Date	DAE, Calibration
ELI V5.0 (20deg probe	HBBL-600-100	00 Checked:	EX3DV4 - S	N3917,	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-25		2023-05-23	-	05-23
Scans Setup	-			-	
Scan	ŀ	Area Scan		Zoom So	can
Grid Extents [mm]	6	60.0 x 240.0		30.0 x 3	0.0 x 30.0
Grid Steps [mm]	1	5.0 x 15.0		6.0 x 6.0	) x 1.5
Sensor Surface [mm]	3	3.0		1.4	
Graded Grid	٦	N/A		Yes	
Grading Ratio		N/A		1.5	
MAIA	۲	N/A		N/A	
Surface Detection	Ν.	/MS + 6p		VMS + 6	òp
Scan Method	Ν	leasured		Measure	ed
Measurement Results	-			-	
Scan	ŀ	Area Scan		Zoom So	can
Date	2	2024-04-26, 00	D:12	2024-04	-26, 00:24
psSAR1g [W/Kg]	C	).740		0.696	
psSAR8g [W/Kg]	0	).474		0.393	
psSAR10g [W/Kg]	C	).442		0.366	
Power Drift [dB]	0	0.00		0.04	
Power Scaling		Disabled		Disablec	1
TSL Correction	٢	lo correction		No corre	ection
M2/M1 [%]	-			74.8	
Dist 3dB Peak [mm]	-			7.3	



# E.20 Plot No. L25-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Convers	ion TSL	Conductivity	y TSL
[mm]	[MHz]	Factor	[S/m]		Permittivity
Rear tilt edge1, 0.00 mm	າ 1905.000	8.21	1.46		39.8
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Calib	ration Date	DAE, Calibration
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SI	N3917,	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-29		2023-05-23		05-23
Scans Setun		L		L	
Scan		Area Scan		Zoom Sc	an
Grid Extents [mm]		120.0 x 120.0		30.0 x 30	0.0 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 + 6	р
Scan Method		Measured		Measure	d
Measurement Results		-		-	
Scan		Area Scan		Zoom Sc	an
Date		2024-04-29, 19	9:52	2024-04-	29, 19:59
psSAR1g [W/Kg]		0.629		0.652	
psSAR10g [W/Kg]		0.361		0.379	
Power Drift [dB]		-0.00		-0.00	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correct	ction
M2/M1 [%]		-		83.5	
Dist 3dB Peak [mm]		-		16.1	



# E.21 Plot No. L25-2 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL Co	onductivity	/ TSL
[mm]	[MHz]	Factor	[S/m]	-	Permittivity
Rear tilt edge4, 0.00 mm	n 1882.500	8.21	1.45		39.8
Hardware Setup					
Phantom	TSL, Measure	d Date	Probe, Calibra	tion Date	DAE, Calibration
					Date
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	3917,	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-29		2023-05-23		05-23
		T		1	
Scans Setup		-		-	
Scan		Area Scan		Zoom Sca	an
Grid Extents [mm]		120.0 x 120.0		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	0
Scan Method		Measured		Measured	b
Measurement Results		-		-	
Scan		Area Scan		Zoom Sca	an
Date		2024-04-29, 16	6:04	2024-04-2	29, 16:10
psSAR1g [W/Kg]		0.543		0.524	
psSAR10g [W/Kg]		0.288		0.276	
Power Drift [dB]		-0.00		-0.01	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correc	ction
M2/M1 [%]		-		79.7	
Dist 3dB Peak [mm]		-		10.8	



# E.22 Plot No. L26-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Desition Test Distance		0		والمار والمحاج والمحاج	TO
Position, Test Distance	Frequency	Conversi	on ISLC	onductivity	ISL
[mm]	[MHz]	Factor	[S/m]		Permittivity
Rear tilt edge1, 0.00 mm	831.500	9.64	0.940		42.8
Hardware Setup					_
Phantom	TSL, Measure	ed Date	Probe, Calibrat	tion Date	DAE, Calibration
				[	Date
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	825, 1	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-22		2023-07-12		05-23
Scans Setup		-		-	
Scan		Area Scan		Zoom Sca	In
Grid Extents [mm]		120.0 x 120.0		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		All points		All points	
Scan Method		Measured		Measured	
Measurement Results		-		-	
Scan		Area Scan		Zoom Sca	n
Date		2024-04-22, 21	:17	2024-04-2	22, 21:40
psSAR1g [W/Kg]		0.653		0.664	
psSAR10g [W/Kg]		0.445		0.461	
Power Drift [dB]		-0.01		0.02	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correct	tion
M2/M1 [%]		-		84.1	
Dist 3dB Peak [mm]		-		19.6	



# E.23 Plot No. L26-2 Room Temp 22.0 deg.C / Liquid Temp 21.5 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Convers	sion T	SL Conductivity	y TSL
[mm]	[MHz]	Factor	[5	S/m]	Permittivity
EDGE 4, 0.00	831.500	10.04	0	.921	40.0
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Ca	alibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe	HBBL-600-100	000 Checked:	EX3DV4	- SN3917,	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-25		2023-05-	23	05-23
Scans Setup		-		-	
Scan		Area Scan		Zoom Sc	an
Grid Extents [mm]		60.0 x 240.0		30.0 x 30	).0 x 30.0
Grid Steps [mm]		15.0 x 15.0		5.9 x 5.9	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 + 6	р
Scan Method		Measured		Measure	d
Measurement Results		-		-	
Scan		Area Scan		Zoom Sc	an
Date		2024-04-26, 0	0:29	2024-04-	26, 00:42
psSAR1g [W/Kg]		0.789		0.739	
psSAR10g [W/Kg]		0.477		0.407	
Power Drift [dB]		0.00		-0.01	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correc	ction
M2/M1 [%]		-		77.9	
Dist 3dB Peak [mm]		-		8.3	



# E.24 Plot No. L42L48-1 Room Temp 24.0 deg.C / Liquid Temp 23.5 deg.C SAR2 Exposure Conditions

Position, Test Distance	Frequency	ency Conve		TSL Co	SL Conductivity		TSL
[mm]	[MHz]	Facto	r	[S/m]		-	Permittivity
EDGE4, 19.00 mm	3512.500	6.71		2.68			38.5
Hardware Setup							
Phantom	TSL, Measured [	Date	Probe, Cali	ibration l	Date	DAE, C	alibration Date
ELI V5.0 (20deg probe tilt) -	HBBL-600-1000	)	EX3DV4 -	SN3825	2023-	DAE4 S	Sn1372, 2024-
1207	Checked: 2024-Apr-25		07-12			03-12	
Scans Setup	-				-		
Scan	Area	Scan			Zoom S	Scan	
Grid Extents [mm]	60.0	x 240.	0		28.0 x 2	28.0 x 2	8.0
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		
Grading Ratio	N/A				1.5		
ΜΑΙΑ	Y				Y		
Surface Detection	All po	oints			All poin	ts	
Scan Method	Meas	sured			Measu	red	
Measurement Results	-				-		
Scan	Area	Scan			Zoom S	Scan	
Date	2024	-04-25	6, 17:39		2024-0	4-25, 17	:56
psSAR1g [W/Kg]	0.270	)			0.275		
psSAR10g [W/Kg]	0.127	7			0.130		
Power Drift [dB]	0.01				0.13		
Power Scaling	Disab	bled			Disable	ed	
TSL Correction	Posit	ive on	ly		Positive	e only	
M2/M1 [%]	-				77.8		
Dist 3dB Peak [mm]	-				14.8		



# E.25 Plot No. L42L48-2 Room Temp 22.0 deg.C / Liquid Temp 21.5 deg.C SAR2 Exposure Conditions

Position, Test Distance	Frequency Conv		ersion TSL C		Conductivity		TSL
[mm]	[MHz]	Facto	r	[S/m]		-	Permittivity
EDGE4, 0.00 mm	3512.500	6.71		2.67			38.0
Hardware Setup							
Phantom	TSL, Measured	Date	Probe, Cal	ibration l	Date	DAE, C	alibration Date
ELI V5.0 (20deg probe tilt) -	HBBL-600-1000	00	EX3DV4 -	SN3825	, 2023-	DAE4 S	Sn1372, 2024-
1207	Checked:		07-12			03-12	
	2024-Api-20						
Scans Setup	_				-		
Scan	Area	a Scan			Zoom S	Scan	
Grid Extents [mm]	60.0	) x 240.	0		28.0 x 2	28.0 x 28	3.0
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		
Grading Ratio	N/A				1.5		
MAIA	Y				N/A		
Surface Detection	VM:	S + 6p			VMS +	6р	
Scan Method	Mea	asured			Measur	ed	
Measurement Results	-				-		
Scan	Are	a Scan			Zoom S	Scan	
Date	202	4-04-26	6, 16:46		2024-0	4-26, 16	:54
psSAR1g [W/Kg]	0.36	6			0.388		
psSAR10g [W/Kg]	0.12	20			0.122		
Power Drift [dB]	-0.0	3			-0.00		
Power Scaling	Disa	abled			Disable	d	
TSL Correction	Pos	itive on	ly		Positive	only	
M2/M1 [%]	-				79.9		
Dist 3dB Peak [mm]	-				6.8		



# E.26 Plot No. L66-1 Room Temp 23.0 deg.C / Liquid Temp 23.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL (	Conductivity	y TSL
[mm]	[MHz]	Factor	[S/m]		Permittivity
Rear tilt edge4 9 mm	1720.000	8.77	1.27		37.9
Hardware Setup					
Phantom	TSL, Measure	d Date	Probe, Calibr	ation Date	DAE, Calibration
				10005	
ELI V5.0 (20deg probe	HBBL-600-100	JUU Checkea:	EX3DV4 - SN	13825,	DAE4 SN1369, 2023-
uiit) - 1203	2024-Apr-17		2023-07-12		05-23
Scans Setup		-		_	
Scan		Area Scan		Zoom Sc	an
Grid Extents [mm]		120.0 x 120.0		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		All points		All points	i i i i i i i i i i i i i i i i i i i
Scan Method		Measured		Measure	d
Measurement Results		-		-	
Scan		Area Scan		Zoom Sc	an
Date		2024-04-18, 03	3:42	2024-04-	18, 03:57
psSAR1g [W/Kg]		0.765		0.798	
psSAR10g [W/Kg]		0.452		0.481	
Power Drift [dB]		-0.01		-0.00	
Power Scaling		Disabled		Disabled	
TSL Correction		Positive only		Positive of	only
M2/M1 [%]		-		82.7	
Dist 3dB Peak [mm]		-		18.1	



# E.27 Plot No. L66-2 Room Temp 23.0 deg.C / Liquid Temp 23.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL C	onductivity	TSL
[mm]	[MHz]	Factor	[S/m]	-	Permittivity
EDGE4, 0.00 mm	1720.000	8.77	1.33		38.1
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Calibra	tion Date D	OAE, Calibration
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	3825, C	AE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-15		2023-07-12	0	5-23
		1		1	
Scans Setup		-		-	
Scan		Area Scan		Zoom Scar	า
Grid Extents [mm]		60.0 x 240.0		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		-		-	
Scan		Area Scan		Zoom Scar	า
Date		2024-04-16, 05	5:32	2024-04-16	6, 05:39
psSAR1g [W/Kg]		0.483		0.563	
psSAR10g [W/Kg]		0.279		0.279	
Power Drift [dB]		-0.00		-0.01	
Power Scaling		Disabled		Disabled	
TSL Correction		Positive only		Positive on	ly
M2/M1 [%]		-		79.4	
Dist 3dB Peak [mm]		-		8.4	



#### E.28 Plot No. L71-1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

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Position, Test Distance	Frequency	Conversi	on TSL C	onductivity	TSL
[mm]	[MHz]	Factor	[S/m]	-	Permittivity
Rear tilt edge1, 0.00 mm	n 680.500	9.79	0.890		43.3
Hardware Setup					
Phantom	TSL, Measure	ed Date	Probe, Calibra	tion Date D	AE, Calibration
				Da	ate
ELI V5.0 (20deg probe	HBBL-600-10	000 Checked:	EX3DV4 - SN3	825, D	AE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-22		2023-07-12	05	5-23
Scans Setup		-		-	
Scan		Area Scan		Zoom Scan	
Grid Extents [mm]		120.0 x 120.0		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		All points		All points	
Scan Method		Measured		Measured	
Measurement Results		-		-	
Scan		Area Scan		Zoom Scan	
Date		2024-04-22, 22	2:36	2024-04-22	, 22:51
psSAR1g [W/Kg]		0.422		0.433	
psSAR10g [W/Kg]		0.294		0.306	
Power Drift [dB]		-0.01		-0.01	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correctio	on
M2/M1 [%]		-		86.5	
Dist 3dB Peak [mm]		-		> 15.0	



# E.29 Plot No. L71-2 Room Temp 22.0 deg.C / Liquid Temp 21.5 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Convers	ion	TSL Cor	nductivit	y 🛛	SL
[mm]	[MHz]	Factor		[S/m]		F	Permittivity
EDGE 4, 0.00 mm	680.500	10.09		0.869		4	0.6
Hardware Setup							
Phantom	TSL, Measured	d Date	Probe, (	Calibratio	on Date	DAE, 0 Date	Calibration
ELI V5.0 (20deg probe	HBBL-600-100	00 Checked:	EX3DV4	4 - SN39	17,	DAE4	Sn1369, 2023-
tilt) - 1203	2024-Apr-25		2023-05	5-23	·	05-23	
Scans Setup	-	-		_			
Scan		Area Scan		Z	loom Sc	an	
Grid Extents [mm]		60.0 x 240.0		3	0.0 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		Y	′es		
Grading Ratio		N/A		1	.5		
MAIA		N/A		Ν	I/A		
Surface Detection		VMS + 6p		$\sim$	′MS + 6	р	
Scan Method		Measured		Ν	leasure	d	
Measurement Results	-	-		-			
Scan		Area Scan		Z	loom Sc	an	
Date		2024-04-25, 2	2:50	2	024-04-	25, 23:	03
psSAR1g [W/Kg]		0.622		C	.604		
psSAR8g [W/Kg]		0.387		C	.328		
psSAR10g [W/Kg]		0.357		C	.302		
Power Drift [dB]		0.01		_1	0.02		
Power Scaling		Disabled			Disabled		
TSL Correction		No correction		Ν	lo corre	ction	
M2/M1 [%]		-		7	1.1		
Dist 3dB Peak [mm]		-		7	.2		



# E.30 Plot No. RP1 Room Temp 22.0 deg.C / Liquid Temp 22.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Conversi	on TSL C	Conductivity	y TSL
[mm]	[MHz]	Factor	[S/m]		Permittivity
Rear tilt edge4 9 mm	1712.400	8.49	1.35		40.2
Hardware Setup					
Phantom	TSL, Measure	d Date	Probe, Calibra	ation Date	DAE, Calibration
					Date
ELI V5.0 (20deg probe	HBBL-600-100	000 Checked:	EX3DV4 - SN	3917,	DAE4 Sn1369, 2023
tilt) - 1203	2024-Apr-29		2023-05-23		05-23
Scans Setup		-		-	
Scan		Area Scan		Zoom Sc	an
Grid Extents [mm]		120.0 x 120.0		30.0 x 30	0.0 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 + 6	р
Scan Method		Measured		Measure	d
Measurement Results		-		-	
Scan		Area Scan		Zoom Sc	an
Date		2024-04-29, 12	2:12	2024-04-	29, 12:23
psSAR1g [W/Kg]		0.974		0.970	
psSAR10g [W/Kg]		0.570		0.585	
Power Drift [dB]		-0.01		-0.00	
Power Scaling		Disabled		Disabled	
TSL Correction		No correction		No correc	ction
M2/M1 [%]		-		84.1	
Dist 3dB Peak [mm]		-		15.6	



# E.31 Plot No. RP2 Room Temp 23.0 deg.C / Liquid Temp 23.0 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Convers	ion TSL C	onductivity	/ TSL		
[mm]	[MHz]	Factor	[S/m]	-	Permittivity		
EDGE4, 19 mm	1732.500	8.77	1.34		38.1		
Hardware Setup							
Phantom	TSL, Measure	ed Date	Probe, Calibra	tion Date	DAE, Calibration Date		
ELI V5.0 (20dea probe	HBBL-600-10	000 Checked:	EX3DV4 - SN	3825.	DAE4 Sn1369, 2023-		
tilt) - 1203	2024-Apr-15		2023-07-12	,	05-23		
Scans Setup		-		-			
Scan		Area Scan		Zoom Sca	Zoom Scan		
Grid Extents [mm]		60.0 x 240.0		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		All points		All points			
Scan Method		Measured		Measured	ł		
Measurement Results		-		-			
Scan		Area Scan		Zoom Sca	an		
Date		2024-04-15, 23	3:53	2024-04-	16, 00:08		
psSAR1g [W/Kg]		0.744		0.786			
psSAR10g [W/Kg]		0.448		0.479			
Power Drift [dB]		-0.01		-0.03			
Power Scaling		Disabled		Disabled			
TSL Correction		Positive only		Positive only			
M2/M1 [%]		-		83.5			
Dist 3dB Peak [mm]		-		18.8			



# E.32 Plot No. PR3 Room Temp 22.0 deg.C / Liquid Temp 21.5 deg.C SAR1 Exposure Conditions

Position, Test Distance	Frequency	Convers	sion	TSL Conductivi	ty TSL
[mm]	[MHz]	Factor		[S/m]	Permittivity
EDGE 4, 0.00 mm	782.000	10.09		0.903	40.2
Hardware Setup					
Phantom	TSL, Measure	d Date	Probe,	Calibration Date	e DAE, Calibration Date
ELI V5.0 (20deg probe	HBBL-600-100	000 Checked:	EX3DV	4 - SN3917,	DAE4 Sn1369, 2023-
tilt) - 1203	2024-Apr-25		2023-05	5-23	05-23
Scans Setup		-		-	
Scan		Area Scan		Zoom S	can
Grid Extents [mm]		60.0 x 240.0		30.0 x 3	0.0 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 + 6	Sp
Scan Method		Measured		Measure	ed
Measurement Results		-		-	
Scan		Area Scan		Zoom S	can
Date		2024-04-25, 2	21:25	2024-04	-25, 21:37
psSAR1g [W/Kg]		0.840		0.835	
psSAR8g [W/Kg]		0.533		0.467	
psSAR10g [W/Kg]		0.496		0.434	
Power Drift [dB]		0.00		0.04	
Power Scaling		Disabled		Disabled	b
TSL Correction		No correction		No corre	ection
M2/M1 [%]		-		73.7	
Dist 3dB Peak [mm]		-		7.2	

