

# **Appendix A**

System Check 750 MHz Head
System Check 835 MHz Head
System Check 1750 MHz Head
System Check 1900 MHz Head

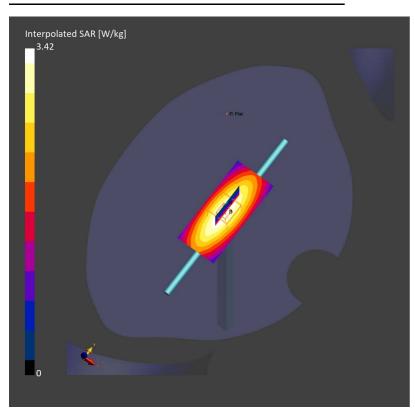
#### System Performance Check Report

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Dipole	Frequency [MHz	z]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D750V3 - SN1231	750.0		HSL	24.0	-6.8	-7.6	8.1	1.8
Exposure Condition	S							
Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MF	lz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		CW, 0	750.000, 0		9.65	0.894	42.7
Hardware Setup								
Phantom		TSL,	Measured [	Date	Probe, Ca	libration Date	DAE, Calibration	n Date
Twin-SAM V8.0 (30deg	probe tilt) – 2173	HSL	750 Charge:	xxxx, 2024-Jul-	-15 EX3DV4 -	SN7812. 2024-06-25	DAE4ip Sn1847	. 2024-01-04

Scans Setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	32.0 x 32.0 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

Area Scan	Zoom Scan
2024-07-15	2024-07-15
2.07	2.02
1.38	1.31
-0.16	-0.00
Disabled	Disabled
No correction	No correction
	2024-07-15 2.07 1.38 -0.16 Disabled



#### System Performance Check Report

Twin-SAM V8.0 (30deg probe tilt) - 2173

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Dipole	Frequency [MF	Hz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D835V2 - SN4d302	835.0		HSL	24.0	-3.4	-4.6	10.5	1.8
Exposure Condition	s							
Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz	], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		CW, 0	835.000, 0		9.35	0.898	42.1
Hardware Setup								
Phantom		TSL, Measured Date		Probe, Ca	libration Date	DAE, Calibration	n Date	

HSL835 Charge: xxxx, 2024-Jul-15

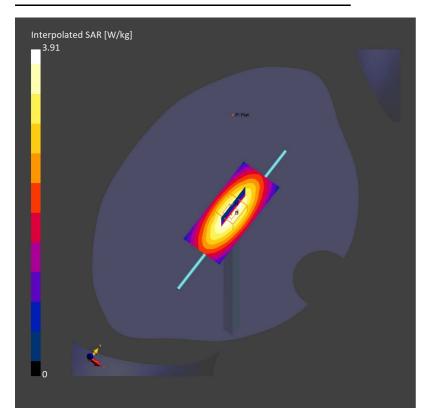
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Scans Setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 × 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results		
	Area Scan	Zoom Scan
Date	2024-07-15	2024-07-15
psSAR1g [W/Kg]	2.31	2.34
psSAR10g [W/Kg]	1.52	1.51
Power Drift [dB]	0.09	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

DAE4ip Sn1847, 2024-01-04

EX3DV4 - SN7812, 2024-06-25



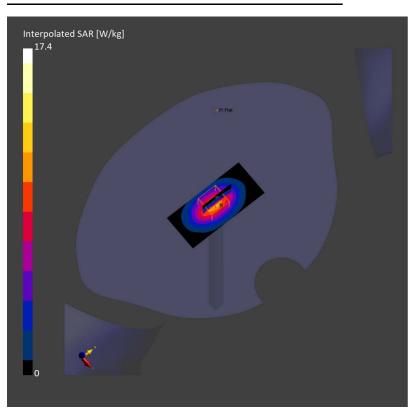
# System Performance Check Report

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Dipole	Frequency [MF	łz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]	
D1750V2 - SN1115	1750.0		HSL	24.0	0.8	2.3	6.7	1.0	
Exposure Condition:	5								
Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz]	], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	
Flat, HSL	10		CW, 0	1750.000, 0		7.78	1.38	40.2	
Hardware Setup									
Phantom		TSL	, Measured D	ate	Probe, Ca	llibration Date	DAE, Calibration	n Date	
Twin-SAM V8.0 (30deg probe tilt) - 2168		HSL1750 Charge: xxxx, 2024-Jul-15			5 EX3DV4 -	EX3DV4 - SN7858, 2024-01-09		DAE4ip Sn1846, 2023-11-29	

Scans Setup				
	Area Scan	Zoom Scan		
Grid Extents [mm]	40.0 x 90.0	32.0 x 32.0 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	2024-07-15	2024-07-15			
psSAR1g [W/Kg]	9.40	9.39			
psSAR10g [W/Kg]	5.07	5.03			
Power Drift [dB]	-0.07	-0.01			
Power Scaling	Disabled	Disabled			
Scaling Factor [dB]					
TSL Correction	No correction	No correction			



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Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D1900V2 - SN512	1900.0	HSL	24.0	6.7	6.8	9.9	0.9
Exposure Conditions	S						
Phantom Section, TSL	Test Distance [mm]	Band Group, UIE	Frequency [MH	z], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10	CW, 0	1900.000, 0		7.43	1.42	40.3
Hardware Setup							
Phantom		TSL, Measured	Date	Probe, Ca	alibration Date	DAE, Calibratio	n Date
Twin-SAM V8.0 (30deg	probe tilt) – 2168	HSL1900 Charg	ge: xxxx, 2024-Jul-	15 EX3DV4	- SN7858, 2024-01-09	DAE4ip Sn1846	5, 2023-11-29

Scaling Factor [dB]
TSL Correction

Scans	

scans setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 × 90.0	32.0 x 32.0 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	2024-07-15	2024-07-15
psSAR1g [W/Kg]	10.6	10.6
psSAR10g [W/Kg]	5.53	5.51
Power Drift [dB]	0.00	-0.03
Power Scaling	Disabled	Disabled

No correction

No correction

