

Appendix A

System Check 750 MHz Head
System Check 835 MHz Head
System Check 1750 MHz Head
System Check 1900 MHz Head
System Check 1950 MHz Head

System Performance Check Report

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Dipole	Frequency [MHz	:]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	lso. Error [%]
D750V3 - SN1231	750.0		HSL	24.0	-5.7	-5.8	11.5	6.9
xposure 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	750.000, 0		9.65	0.906	42.3
lardware Setup								
Phantom			TSL	Probe, Ca	libration Date		DAE, Calibration Date	

HSL750

Twin-SAM V8.0 (30deg probe tilt) - 2168

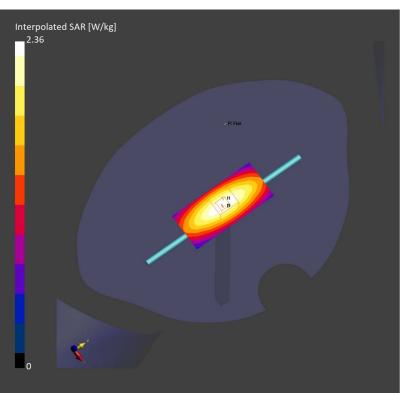
Measurement Results

EX3DV4 - SN7812, 2024-06-25

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	All points
Scan Method	Measured	Measured

	Area Scan	Zoom Scan
Date	2024-08-28, 10:29	2024-08-28, 10:39
psSAR1g [W/Kg]	2.04	2.07
psSAR10g [W/Kg]	1.36	1.35
Power Drift [dB]	-0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

DAE4ip Sn1846, 2023-11-29



System Performance Check Report

Summary	

Dipole	Frequency [MI	Hz] TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	lso. Error [%]
D835V2 – SN4d302	835.0	HSL	24.0	-5.6	-5.9	9.3	-6.9
xposure 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	0.918	42.2

HSL835

Twin-SAM V8.0 (30deg probe tilt) - 2168

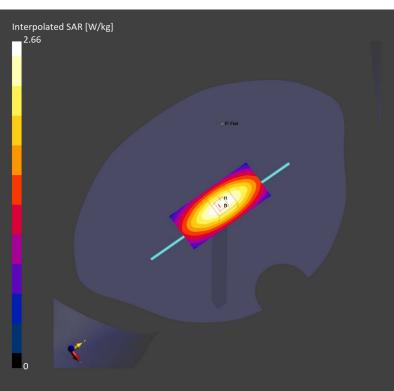
Measurement Results

EX3DV4 - SN7812, 2024-06-25

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
Date	2024-08-28, 10:08	2024-08-28, 10:15
psSAR1g [W/Kg]	2.30	2.33
psSAR10g [W/Kg]	1.51	1.51
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

DAE4ip Sn1846, 2023-11-29



System Performance Check Report

Summary								
Dipole	Frequency [Mł	Hz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	lso. Error [%]
D835V2 - SN4d302	835.0		HSL	24.0	0.6	2.4	1.4	0.3
Exposure Condition	S							
Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permitt
Flat, HSL	15		CW, 0	835.000, 0		8.88	0.920	42.3
Hardware Setup								
Phantom			TSL	Probe,	Calibration Date		DAE, Calibration Date	

HSL835

Twin-SAM V8.0 (30deg probe tilt) - 2168

Measurement Results

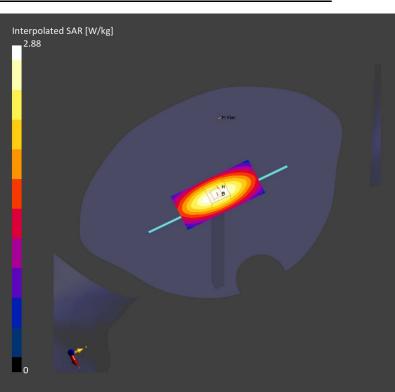
EX3DV4 - SN7858, 2024-01-09

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	All points	All points
Scan Method	Measured	Measured

	Area Scan	Zoom Scan
Date	2024-10-15, 10:14	2024-10-15, 10:24
psSAR1g [W/Kg]	2.49	2.48
psSAR10g [W/Kg]	1.64	1.64
Power Drift [dB]	-0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

DAE4ip Sn1846, 2023-11-29

TSL Permittivity



System Performance Check Report

Summary								
Dipole	Frequency [MI	Hz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	lso. Error [%]
D1750V2 - SN1115	1750.0		HSL	24.0	-4.2	-2.4	3.7	1.8
Exposure Condition	S							
Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [l	MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	1750.000, 0)	7.78	1.39	40.4
Hardware Setup								
Phantom			TSL	Pr	obe, Calibration Date		DAE, Calibration Date	
Twin-SAM V8.0 (30deg probe tilt) – 2168 HSL175			750 EX	(3DV4 – SN7858, 2024–0	1–09	DAE4ip Sn1846, 2023-1	1-29	

Zoom Scan

1.4

Yes

1.5

N/A

VMS + 6p

32.0 x 32.0 x 30.0 6.0 x 6.0 x 1.5

Scans Setup	
	Area Scan
Grid Extents [mm]	40.0 x 90.0
Grid Steps [mm]	10.0 x 15.0

Sensor Surface [mm]

Graded Grid

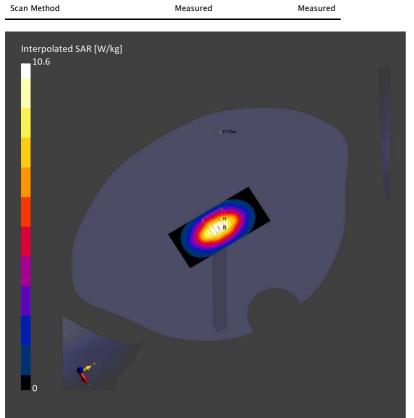
Grading Ratio

Surface Detection

MAIA

Measurement Results

	Area Scan	Zoom Scan
Date	2024-08-27, 10:25	2024-08-27, 10:31
psSAR1g [W/Kg]	8.53	8.95
psSAR10g [W/Kg]	4.59	4.81
Power Drift [dB]	0.04	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



3.0

N/A

N/A

N/A

VMS + 6p

System Performance Check Report

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Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	lso. Error [%]
D1900V2 - SN512	1900.0		HSL	24.0	6.8	7.2	8.2	-0.8
xposure Condition	S							
Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MH:	z], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW. 0	1900.000. 0		7.43	1.41	40.5

HSL1900

Twin-SAM V8.0 (30deg probe tilt) - 2168

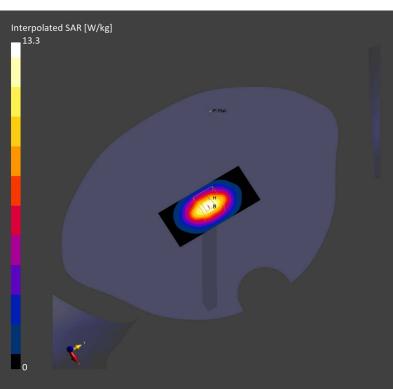
Measurement Results

EX3DV4 - SN7858, 2024-01-09

Area Scan	Zoom Scan
40.0 × 90.0	32.0 x 32.0 x 30.0
10.0 x 15.0	6.0 x 6.0 x 1.5
3.0	1.4
N/A	Yes
N/A	1.5
N/A	N/A
VMS + 6p	VMS + 6p
Measured	Measured
	40.0 x 90.0 10.0 x 15.0 3.0 N/A N/A N/A VMS + 6p

	Area Scan	Zoom Scan
Date	2024-08-27, 10:54	2024-08-27, 11:01
psSAR1g [W/Kg]	10.6	10.6
psSAR10g [W/Kg]	5.46	5.52
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

DAE4ip Sn1846, 2023-11-29



System Performance Check Report

Summary								
Dipole	Frequency [MI	Hz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	lso. Error [%]
D1950V3 - SN1266	1950.0		HSL	24.0	0.9	2.4	4.9	-1.0
Exposure Condition	S							
Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [M	/Hz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	1950.000, 0		7.45	1.41	40.6
Hardware Setup								
Phantom			TSL	Pro	bbe, Calibration Date		DAE, Calibration Date	
Twin-SAM V8.0 (30deg probe tilt) – 2168 HSL1950			950 EX	3DV4 – SN7858, 2024–0	1-09	DAE4ip Sn1846, 2023-1	1-29	

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

	Area Scan	Zoom Scan
Date	2024-10-15, 10:35	2024-10-15, 10:41
psSAR1g [W/Kg]	10.3	10.3
psSAR10g [W/Kg]	5.26	5.36
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

