

Appendix D

Per KDB 865664 D01, guidance, dipoles longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

- a. When the measured SAR deviates from the calibrated SAR value by less than 10%.
- b. When the most recent return loss result, measured at least annually, deviates by less than 20% from the previous measurement.
- c. When the most recent measurement of the impedance, measured at least annually, deviates by more than 5 Ω from the previous measurement.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Return Loss

Dipole Type	Dipole Serial Number	SPEAG Cal. Date	Frequency (MHz)	Return Loss Measured (dB)		Deviation	Result
				Target	Meas.	(%)	
				2024/08/23	2024/10/15		
D2450V2	728	2024/08/23	2450	-22.581	-24.475	7.74%	Pass

Note:

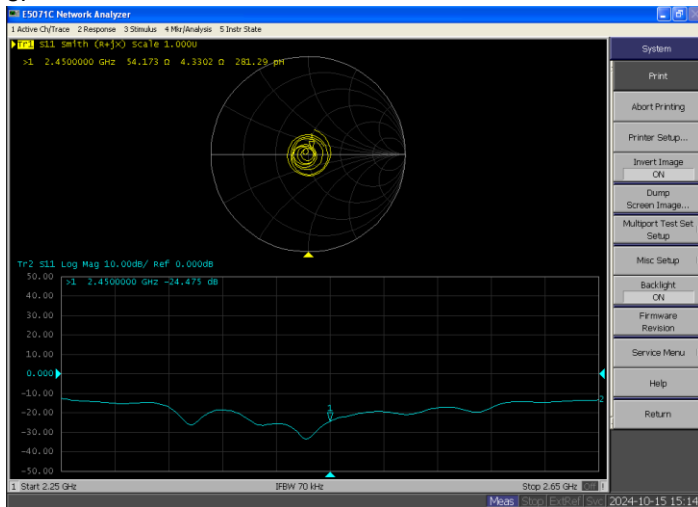
- Recent return-loss result need deviates by less than 20% from the previous measurement.
- Network Analyzer has been measured with calibration kit.

Impedance:

Dipole Type	Dipole Serial Number	SPEAG Cal. Date	Frequency (MHz)	Impedance Measured (Ω)		Deviation	Result
				Target	Meas.	(Ω)	
				2024/08/23	2024/10/15		
D2450V2	728	2024/08/23	2450	52.977	54.173	1.20	Pass

Note:

- Recent impedance result need deviates by less than 5 Ω from the previous measurement.
- Network Analyzer has been measured with calibration kit.
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System check:

Dipole Type	Dipole Serial Number	SPEAG Cal. Date	Frequency (MHz)	System check Measured (W/kg)				1g SAR Deviation	10g SAR Deviation	Result
				Target		Meas.		(%)	(%)	
				2024/08/23		2024/10/15				
				1g SAR	10g SAR	1g SAR	10g SAR			
D2450V2	728	2024/08/23	2450	13.20	6.22	13.70	6.35	3.79%	2.09%	Pass

Note:

Recent system check result need deviates by less than 10% from the previous measurement.

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Measurement Report

Dipole_D2450-SN:728

Ambient temperature: 22.1°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 10.00	8.05	1.824	38.915

Hardware Setup

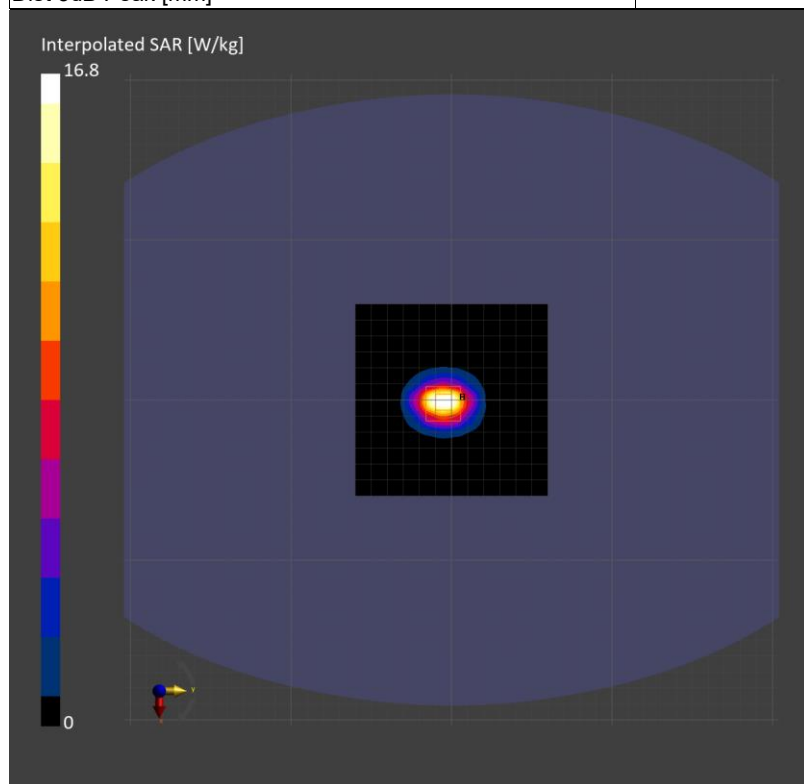
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-10-15	2024-10-15
psSAR1g [W/kg]	13.3	13.7
psSAR8g [W/kg]	6.86	7.02
psSAR10g [W/kg]	6.20	6.35
Power Drift [dB]	-0.03	0.02
M2/M1 [%]		54.3
Dist 3dB Peak [mm]		9.3



- End of report -

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