



### Appendix B. System Performance Check

#### Tissue Calibration Result :

##### 6.1.3

Frequency (MHz)	Liquid Temp	Measured Values (W/kg)		Target Values (W/kg)		Deviation[%]		Limit	Measured. Date
		$\sigma$	$\epsilon_r$ (e')	$\sigma$	$\epsilon_r$ (e')	1g	10g	%	
2450	20.6	1.82	41	1.8	39.2	1.11%	4.59%	±5%	2024/3/15

#### Result of System Performance Check :

##### 6.1.7

Frequency (MHz)	Dipole S/N	Measured SAR Values (W/kg)		Target SAR Values (W/kg)		Deviation[%]		Limit	Measured. Date
		1g	10g	1g	10g	1g	10g	%	
2450	914	12.3	5.87	13	5.92	-5.38%	-0.84%	±10%	2024/3/15



### System Performance Check Report

#### Summary

Dipole	Frequency [MHz]
D2450V2 - SN914	2450.0

#### Exposure Conditions

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--	2450.000, 0	7.97	1.82	41.0

#### Hardware Setup

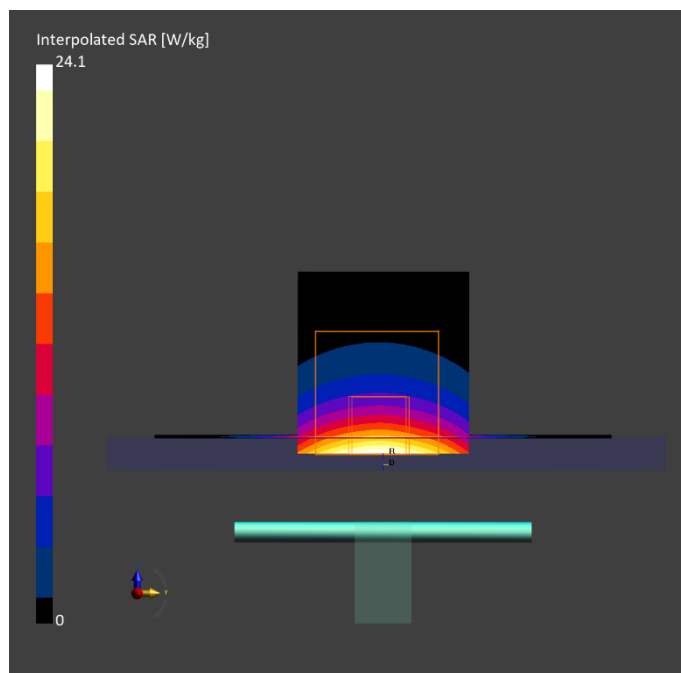
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL2450	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

#### Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	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

#### Measurement Results

	Area Scan	Zoom Scan
Date	2024-03-15	2024-03-15
psSAR1g [W/Kg]	12.2	12.3
psSAR10g [W/Kg]	5.69	5.87
Power Drift [dB]	0.01	0.04
TSL Correction	No correction	No correction





### Appendix C. Measured EIRP Power

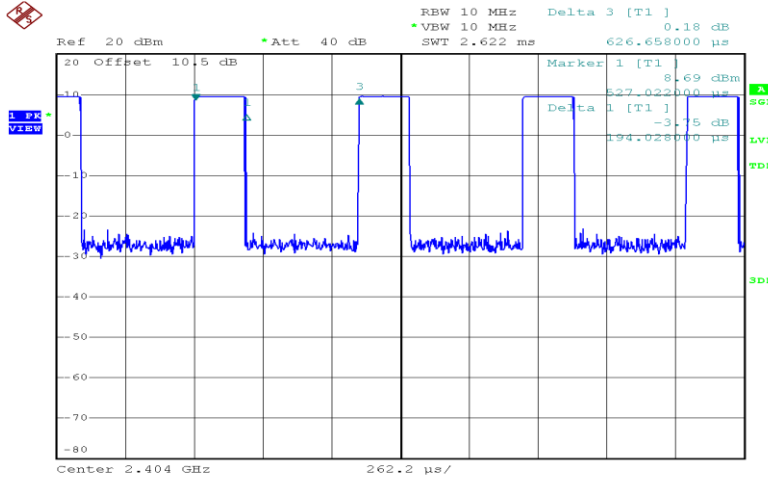
**SRD:**

Frequency	Modulation	Channel	Data Rate	Conducted Power	Target power	EIRP power
2402	GFSK	0	1M	9.12	9.5	9.58
2440	GFSK	18	1M	8.81	9.0	9.27
2480	GFSK	39	1M	8.5	9.0	8.96
2404	GFSK	1	2M	9.14	9.5	9.60
2440	GFSK	18	2M	8.79	9.0	9.25
2478	GFSK	38	2M	8.51	9.0	8.97



### Considerations Related to Bluetooth for Setup and Testing

#### SRD



Date: 16.MAR.2024 16:39:51

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
GFSK(2MB)	0.19	0.63	30.96%



### Appendix D. SAR Measurement Data

<SAR>

Plot.No	Band	Mode	Channel	Frequency (MHz)	Data Rate	Test Position	Gap (mm)	Avg Power (dBm)	Tune-up (dBm)	EIRP Power (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g(W/Kg)
	SRD	GFSK	1	2404	2M	Up	0	9.14	9.5	9.60	30.96	0.013	0.05
	SRD	GFSK	1	2404	2M	Down	0	9.14	9.5	9.60	30.96	0.012	0.04
1	SRD	GFSK	1	2404	2M	Front	0	9.14	9.5	9.60	30.96	0.039	0.14
	SRD	GFSK	18	2440	2M	Front	0	8.79	9.0	9.60	30.96	0.035	0.12
	SRD	GFSK	38	2478	2M	Front	0	8.51	9.0	9.60	30.96	0.031	0.11
	SRD	GFSK	1	2404	2M	Back	0	9.14	9.5	9.60	30.96	0.004	0.01
	SRD	GFSK	1	2404	2M	Tip	0	9.14	9.5	9.60	30.96	0.003	0.01



01\_SRD\_GFSK\_CH01\_2M\_Front\_0mm

Device under Test Properties

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	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2404.000, 2	7.97	1.77	40.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL2450	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 80.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-03-15	2024-03-15
psSAR1g [W/kg]	0.038	0.039
psSAR10g [W/kg]	0.019	0.018
Power Drift [dB]	-0.09	0.03
M2/M1 [%]		84.1
Dist 3dB Peak [mm]		11.0

