

APPENDIX I: SUPPLEMENTAL DATA 0MM TEST

I.1 Introduction

I.1.1 Objective

This appendix documents the SAR measurements performed at a 0 mm separation distance to establish the reference dataset used for configuration screening and worst-case operating condition identification.

The resulting dataset provides the technical basis for selecting the operating configurations requiring evaluation at the applicable FCC compliance separation distances in accordance with the approved FCC SAR test reduction methodology.

The measurements documented in this appendix are provided as reference data only and are not intended to demonstrate final FCC SAR compliance.

I.1.2 Regulatory Background

The SAR evaluation methodology applied to this device follows the FCC OET approved test reduction approach for this device platform.

Under the approved methodology, comprehensive SAR measurements were performed at 0 mm separation distance to establish a reference dataset for configuration screening, worst-case identification, and FCC compliance test configuration selection.

The final FCC SAR compliance evaluation is documented separately in the associated FCC RF Exposure Compliance Report Serial No. 1M2603250028-04. Except for the evaluation separation distance, all measurements documented in this appendix were performed using the same SAR measurement system, equipment, procedures, tissue dielectric parameters, system verification requirements, quality controls, measurement process, and reporting methodology.

Accordingly, all conducted output power measurements, SAR measurement procedures, system verification, tissue dielectric verification, measurement uncertainty, and quality assurance requirements are identical to those applied for FCC compliance testing unless otherwise specified in this appendix.

This appendix supplements the associated FCC RF Exposure Compliance Report by documenting only the additional 0 mm reference measurements used to support configuration screening and worst-case operating condition selection in accordance with the approved FCC test reduction methodology.

I.1.3 Test Methodology

Instead of repeating the complete FCC compliance methodology, this appendix documents only the additional 0 mm SAR reference measurements performed for configuration screening.

Unless otherwise specified, all SAR measurements were performed in accordance with the methodology described in the associated FCC RF Exposure compliance report using the same measurement system, equipment, procedures, and quality assurance process.

All measurements documented in this appendix were conducted at a 0 mm separation distance, which is the only intentional difference from the associated FCC compliance evaluation.

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To minimize duplication with the associated FCC compliance report, supporting measurement records and technical evidence that are common to both evaluations have been intentionally omitted from this appendix. Such information is maintained as part of the complete compliance documentation and is available upon request.

This appendix is intended to supplement, and not replace, the associated FCC RF Exposure Compliance Report.

I.2 Conducted Powers

The conducted output power data presented below were used in conjunction with the measured 0 mm SAR results to support operating configuration selection in accordance with the approved KDB Inquiry response.

I.2.1 2.4 GHz WIFI

Table I-1
2.4 GHz WIFI Conducted Powers – Antenna 3

2.4GHz WIFI (20MHz 802.11b SISO ANT 3)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.63
2437	6		10.54
2462	11		10.65

Table I-2
2.4 GHz WIFI Conducted Powers – Antenna 4

2.4GHz WIFI (20MHz 802.11b SISO ANT 4)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.75
2437	6		10.38
2462	11		10.44

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I.2.2 5 GHz WIFI

Table I-3
5 GHz WIFI Conducted Powers – Antenna 3

5GHz WIFI (80MHz 802.11ac SISO ANT 3)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.21
UNII-2A	5290	58	8.75
UNII-2C	5530	106	6.89
	5610	122	6.71
	5690	138	7.13
UNII-3	5775	155	6.44
UNII-4	5855	171	6.71

Table I-4
5 GHz WIFI Conducted Powers – Antenna 4

5GHz WIFI (80MHz 802.11ac SISO ANT 4)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.16
UNII-2A	5290	58	9.46
UNII-2C	5530	106	7.47
	5610	122	7.36
	5690	138	7.69
UNII-3	5775	155	7.55
UNII-4	5855	171	7.12

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I.2.3 2.4 GHz Bluetooth

Table I-5
2.4 GHz Bluetooth RF Power B – Antenna 3

Frequency [MHz]	Data Rate [Mbps]	Mod.	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	1.0	GFSK	0	10.71	11.776
2441	1.0	GFSK	39	11.15	13.032
2480	1.0	GFSK	78	11.09	12.853

Table I-6
2.4 GHz Bluetooth RF Power – Antenna 4

Frequency [MHz]	Data Rate [Mbps]	Mod.	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	1.0	GFSK	0	10.07	10.162
2441	1.0	GFSK	39	10.52	11.272
2480	1.0	GFSK	78	10.24	10.568

Table I-7
2.4 GHz Bluetooth LE RF Power – Antenna 3

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Bluetooth Mode	Peak Conducted Power	
				[dBm]	[mW]
2402	1 Mbps	37	LE	12.28	16.904
2440	1 Mbps	17	LE	12.45	17.579
2480	1 Mbps	39	LE	12.36	17.219

Table I-8
2.4 GHz Bluetooth LE RF Power – Antenna 4

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Bluetooth Mode	Peak Conducted Power	
				[dBm]	[mW]
2402	1 Mbps	37	LE	11.03	12.677
2440	1 Mbps	17	LE	11.64	14.588
2480	1 Mbps	39	LE	11.56	14.322

I.3 Standalone SAR

The SAR measurement results presented below constitute the 0 mm reference dataset established in accordance with the FCC OET approved KDB Inquiry response for this device. These results were used to identify the operating configurations requiring evaluation at the applicable FCC compliance separation distances, as specified in the approved inquiry response.

Table I-9
2.4 GHz WIFI Antenna 3 Index 1| Plot I10

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Accessory	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	78TC32609	97.22	0.00	2412.00	1	1.0	11.5	10.65	Back	0	0.798	1.222	1.029	0.991	0.619		11.5	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	78TC32609	97.22	0.05	2437.00	6	1.0	11.5	10.54	Back	0	0.875	1.247	1.029	1.126	0.700	Plot	11.0	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	Keyboard	78TC32609	97.22	0.06	2437.00	6	1.0	11.5	10.54	Back	0	0.142	1.247	1.029	0.182	0.114		18.8	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	78TC32609	97.22	0.05	2462.00	11	1.0	11.5	10.65	Back	0	0.606	1.216	1.029	1.011	0.622		11.0	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	78TC32609	97.22	0.05	2412.00	1	1.0	11.5	10.65	Top	0	0.620	1.222	1.029	0.782	0.495		12.5	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	78TC32609	97.22	-0.01	2437.00	6	1.0	11.5	10.54	Top	0	0.655	1.247	1.029	0.840	0.525		12.2	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	78TC32609	97.22	0.05	2462.00	11	1.0	11.5	10.65	Top	0	0.606	1.216	1.029	0.831	0.521		12.2	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	4TDQ2609	97.22	0.08	2462.00	11	1.0	11.5	10.65	Bottom	0	0.000	1.216	1.029	0.000	0.000		30.5	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	4TDQ2609	97.22	0.00	2462.00	11	1.0	11.5	10.65	Right	0	0.011	1.216	1.029	0.014	0.009		30.1	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	3	N/A	4TDQ2609	97.22	0.00	2462.00	11	1.0	11.5	10.65	Left	0	0.006	1.216	1.029	0.008	0.005		32.7	
ANSI/IEEE C63.1 1997 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table I-10
2.4 GHz WIFI Antenna 4 Index 1

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Accessory	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	4	N/A	78TC32609	96.57	0.13	2412.00	1	1.0	11.5	10.75	Back	0	0.686	1.189	1.036	0.845	0.528		12.2	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	4	N/A	78TC32609	96.57	0.05	2437.00	6	1.0	11.5	10.38	Back	0	0.674	1.294	1.036	0.904	0.565		11.9	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	4	Keyboard	78TC32609	96.57	0.05	2437.00	6	1.0	11.5	10.38	Back	0	0.169	1.294	1.036	0.227	0.142		17.9	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	4	N/A	78TC32609	96.57	0.09	2462.00	11	1.0	11.5	10.44	Back	0	0.613	1.276	1.036	0.810	0.506		12.4	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	4	N/A	78TC32609	96.57	0.05	2412.00	1	1.0	11.5	10.75	Top	0	0.626	1.189	1.036	0.771	0.462		12.2	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	4	N/A	4TDQ2609	96.57	0.05	2412.00	1	1.0	11.5	10.75	Bottom	0	0.000	1.189	1.036	0.000	0.000		30.5	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	4	N/A	4TDQ2609	96.57	0.06	2412.00	1	1.0	11.5	10.75	Right	0	0.005	1.189	1.036	0.006	0.004		33.6	
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	4	N/A	4TDQ2609	96.57	0.02	2412.00	1	1.0	11.5	10.75	Left	0	0.020	1.189	1.036	0.012	0.008		30.5	
ANSI/IEEE C63.1 1997 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table I-11
5 GHz WIFI Antenna 3 Index 1| Plot I11

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Accessory	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	-0.03	5290.00	58	U-NII-2A	29.3	9.50	8.75	Back	0	0.787	1.189	1.010	0.945	0.591	Plot	9.7
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	Keyboard	7CR4R2609	99.04	-0.05	5290.00	58	U-NII-2A	29.3	9.50	8.75	Back	0	0.211	1.189	1.010	0.253	0.158		15.4
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	-0.01	5690.00	138	U-NII-2C	29.3	8.25	7.13	Back	0	0.500	1.294	1.010	0.613	0.408		10.0
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	-0.15	5775.00	155	U-NII-3	29.3	8.75	6.44	Back	0	0.295	1.352	1.010	0.403	0.252		11.8
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	-0.04	5855.00	171	U-NII-4	29.3	7.75	6.71	Back	0	0.502	1.271	1.010	0.644	0.403		9.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	-0.05	5290.00	58	U-NII-2A	29.3	9.50	8.75	Top	0	0.202	1.189	1.010	0.243	0.152		15.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.20	5690.00	138	U-NII-2C	29.3	8.25	7.13	Top	0	0.106	1.294	1.010	0.139	0.087		16.8
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.02	5775.00	155	U-NII-3	29.3	7.75	6.44	Top	0	0.095	1.352	1.010	0.130	0.081		16.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.04	5855.00	171	U-NII-4	29.3	7.75	6.71	Top	0	0.132	1.271	1.010	0.169	0.106		15.4
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.03	5290.00	58	U-NII-2A	29.3	9.50	8.75	Bottom	0	0.000	1.189	1.010	0.000	0.000		48.7
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.03	5690.00	138	U-NII-2C	29.3	8.25	7.13	Bottom	0	0.000	1.294	1.010	0.000	0.000		47.0
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.01	5775.00	155	U-NII-3	29.3	7.75	6.44	Bottom	0	0.000	1.352	1.010	0.000	0.000		46.3
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.03	5290.00	58	U-NII-2A	29.3	9.50	8.75	Right	0	0.000	1.189	1.010	0.000	0.000		48.7
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.09	5690.00	138	U-NII-2C	29.3	8.25	7.13	Right	0	0.000	1.294	1.010	0.000	0.000		47.0
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.03	5775.00	155	U-NII-3	29.3	7.75	6.44	Right	0	0.001	1.352	1.010	0.001	0.001		36.3
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.04	5855.00	171	U-NII-4	29.3	7.75	6.71	Right	0	0.000	1.271	1.010	0.000	0.000		46.7
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.06	5290.00	58	U-NII-2A	29.3	9.50	8.75	Left	0	0.000	1.189	1.010	0.000	0.000		48.7
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.01	5690.00	138	U-NII-2C	29.3	8.25	7.13	Left	0	0.000	1.294	1.010	0.000	0.000		47.0
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.06	5775.00	155	U-NII-3	29.3	7.75	6.44	Left	0	0.000	1.352	1.010	0.000	0.000		46.3
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	3	N/A	7CR4R2609	99.04	0.04	5855.00	171	U-NII-4	29.3	7.75	6.71	Left	0	0.000	1.271	1.010	0.000	0.000		46.6
ANSI/IEEE C63.1 1997 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table I-12
5 GHz WIFI Antenna 4 Index 1

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Accessory	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.07	5290.00	58	U-NII-2A	29.3	10.00	9.46	Back	0	0.547	1.132	1.010	0.625	0.393		12.0
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	-0.04	5690.00	138	U-NII-2C	29.3	8.75	7.69	Back	0	0.472	1.276	1.010	0.608	0.380		10.8
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	-0.14	5775.00	155	U-NII-3	29.3	8.75	7.55	Back	0	0.572	1.318	1.010	0.761	0.476		9.5
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	Keyboard	7CR4R2609	99.04	0.03	5775.00	155	U-NII-3	29.3	8.75	7.55	Back	0	0.152	1.318	1.010	0.202	0.126		15.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.03	5855.00	171	U-NII-4	29.3	8.50	7.12	Back	0	0.541	1.374	1.010	0.751	0.469		9.7
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	-0.19	5290.00	58	U-NII-2A	29.3	10.00	9.46	Top	0	0.139	1.132	1.010	0.159	0.099		17.9
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.00	5690.00	138	U-NII-2C	29.3	8.75	7.69	Top	0	0.187	1.276	1.010	0.215	0.134		15.4
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.15	5775.00	155	U-NII-3	29.3	8.75	7.55	Top	0	0.136	1.312	1.010	0.011	0.007		29.4
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.06	5855.00	171	U-NII-4	29.3	8.50	7.12	Top	0	0.122	1.374	1.010	0.169	0.106		16.2
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.00	5690.00	138	U-NII-2C	29.3	8.75	7.69	Bottom	0	0.000	1.276	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.06	5855.00	171	U-NII-4	29.3	8.50	7.12	Bottom	0	0.000	1.374	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.00	5690.00	138	U-NII-2C	29.3	8.75	7.69	Bottom	0	0.000	1.276	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.03	5290.00	58	U-NII-2A	29.3	10.00	9.46	Right	0	0.000	1.132	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	-0.04	5690.00	138	U-NII-2C	29.3	8.75	7.69	Right	0	0.000	1.276	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	-0.14	5775.00	155	U-NII-3	29.3	8.75	7.55	Right	0	0.000	1.318	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.08	5853.00	171	U-NII-4	29.3	8.50	7.12	Right	0	0.000	1.374	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.00	5690.00	138	U-NII-2C	29.3	8.75	7.69	Left	0	0.000	1.276	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.01	5690.00	138	U-NII-2C	29.3	8.75	7.69	Left	0	0.000	1.276	1.010	0.000	0.000		47.6
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.06	5775.00	155	U-NII-3	29.3	8.75	7.55	Left	0	0.002	1.318	1.010	0.003	0.002		34.4
Body	5 GHz WIFU / IEEE 802.11ac	80	OFDM	4	N/A	7CR4R2609	99.04	0.04	5853.00	171	U-NII-4	29.3	8.50	7.12	Left	0	0.001	1.374	1.010	0.007	0.004		35.0
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																						Body	
Uncontrolled Exposure/General Population																						1.6 W/kg (mW/g) averaged over 10 min	

Table I-13
2.4 GHz Bluetooth Antenna 3| Plot I12

Exposure	Band / Mode	Service / Modulation	Ant.	Accessory	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	2.4 GHz Bluetooth	FHSS	3	N/A	78TFT2609	76.86	-0.16	2441.00	39	1	12.5	11.15	Back	0	0.540	1.365	1.015	0.748	0.468	
Body	2.4 GHz Bluetooth LE	DSSS	3	N/A	78TFT2609	85.32	0.01	2440.00	17	1	12.5	12.45	Back	0	0.917	1.012	1.020	0.947	0.592	Plot
Body	2.4 GHz Bluetooth LE	DSSS	3	Keyboard	78TC32609	85.32	0.06	2440.00	17	1	12.5	12.45	Back	0	0.139	1.012	1.020	0.143	0.089	
Body	2.4 GHz Bluetooth LE	DSSS	3	N/A	78TC32609	85.32	0.15	2402.00	37	1	12.5	12.28	Back	0	0.611	1.052	1.020	0.656	0.410	
Body	2.4 GHz Bluetooth LE	DSSS	3	N/A	78TC32609	85.32	0.08	2480.00	39	1	12.5	12.36	Back	0	0.748	1.033	1.020	0.788	0.493	
Body	2.4 GHz Bluetooth LE	DSSS	3	N/A	78TC32609	85.32	0.11	2440.00	17	1	12.5	12.45	Top	0	0.654	1.012	1.020	0.675	0.422	
Body	2.4 GHz Bluetooth LE	DSSS	3	N/A	78TC32609	85.32	0.06	2440.00	17	1	12.5	12.45	Bottom	0	0.000	1.012	1.020	0.000	0.000	
Body	2.4 GHz Bluetooth LE	DSSS	3	N/A	78TC32609	85.32	0.05	2440.00	17	1	12.5	12.45	Right	0	0.014	1.012	1.020	0.014	0.009	
Body	2.4 GHz Bluetooth LE	DSSS	3	N/A	78TC32609	85.32	0.09	2440.00	17	1	12.5	12.45	Left	0	0.004	1.012	1.020	0.004	0.003	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram					

Table I-14
2.4 GHz Bluetooth Antenna 4

Exposure	Band / Mode	Service / Modulation	Ant.	Accessory	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	2.4 GHz Bluetooth	FHSS	4	N/A	78TFT2609	76.85	0.00	2441.00	39	1	12.5	10.52	Back	0	0.422	1.578	1.015	0.676	0.423	
Body	2.4 GHz Bluetooth LE	DSSS	4	N/A	78TFT2609	85.33	0.09	2440.00	17	1	12.5	11.64	Back	0	0.672	1.219	1.020	0.836	0.523	
Body	2.4 GHz Bluetooth LE	DSSS	4	N/A	78TC32609	85.33	0.09	2402.00	37	1	12.5	11.03	Back	0	0.592	1.403	1.020	0.847	0.529	
Body	2.4 GHz Bluetooth LE	DSSS	4	Keyboard	78TC32609	85.33	0.07	2402.00	37	1	12.5	11.03	Back	0	0.110	1.403	1.020	0.157	0.098	
Body	2.4 GHz Bluetooth LE	DSSS	4	N/A	78TC32609	85.33	0.09	2480.00	39	1	12.5	11.56	Back	0	0.632	1.242	1.020	0.801	0.501	
Body	2.4 GHz Bluetooth LE	DSSS	4	N/A	78TC32609	85.33	0.07	2440.00	17	1	12.5	11.64	Top	0	0.558	1.219	1.020	0.694	0.434	
Body	2.4 GHz Bluetooth LE	DSSS	4	N/A	78TC32609	85.33	0.06	2440.00	17	1	12.5	11.64	Bottom	0	0.000	1.219	1.020	0.000	0.000	
Body	2.4 GHz Bluetooth LE	DSSS	4	N/A	78TC32609	85.33	0.06	2440.00	17	1	12.5	11.64	Right	0	0.013	1.219	1.020	0.016	0.010	
Body	2.4 GHz Bluetooth LE	DSSS	4	N/A	78TC32609	85.33	0.06	2440.00	17	1	12.5	11.64	Left	0	0.034	1.219	1.020	0.037	0.011	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram					

Note: Unless otherwise specified, only representative measurement results are presented in this appendix. Complete supporting measurement records, including additional screening configurations and associated technical evidence, are maintained as part of the complete compliance documentation and are available upon request.

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I.4 Tissue Verification

Table I-15
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
05/26/2026	2450 Head	19.6	2300	1.665	38.789	1.670	39.500	-0.30%	-1.80%
			2310	1.672	38.778	1.679	39.480	-0.42%	-1.78%
			2320	1.680	38.766	1.687	39.460	-0.41%	-1.76%
			2400	1.740	38.661	1.756	39.289	-0.91%	-1.60%
			2450	1.776	38.587	1.800	39.200	-1.33%	-1.56%
			2480	1.797	38.551	1.833	39.162	-1.96%	-1.56%
			2500	1.812	38.526	1.855	39.136	-2.32%	-1.56%
			2510	1.818	38.515	1.866	39.123	-2.57%	-1.55%
			2535	1.839	38.487	1.893	39.092	-2.85%	-1.55%
			2550	1.851	38.452	1.909	39.073	-3.04%	-1.59%
			2560	1.858	38.429	1.920	39.060	-3.23%	-1.62%
			2600	1.891	38.332	1.964	39.009	-3.72%	-1.74%
			2650	1.932	38.253	2.018	38.945	-4.26%	-1.78%
			2680	1.960	38.192	2.051	38.907	-4.44%	-1.84%
06/04/2026	2450 Head	19.4	2700	1.978	38.149	2.073	38.882	-4.58%	-1.89%
			2300	1.713	37.940	1.670	39.500	2.57%	-3.95%
			2310	1.721	37.925	1.679	39.480	2.50%	-3.94%
			2320	1.729	37.912	1.687	39.460	2.49%	-3.92%
			2400	1.793	37.824	1.756	39.289	2.11%	-3.73%
			2450	1.834	37.744	1.800	39.200	1.89%	-3.71%
			2480	1.858	37.689	1.833	39.162	1.36%	-3.76%
			2500	1.873	37.655	1.855	39.136	0.97%	-3.78%
			2510	1.882	37.636	1.866	39.123	0.86%	-3.80%
			2535	1.903	37.592	1.893	39.092	0.53%	-3.84%
			2550	1.915	37.562	1.909	39.073	0.31%	-3.87%
			2560	1.924	37.541	1.920	39.060	0.21%	-3.89%
			2600	1.957	37.473	1.964	39.009	-0.36%	-3.94%
			2650	1.996	37.372	2.018	38.945	-1.09%	-4.04%
			2680	2.023	37.319	2.051	38.907	-1.37%	-4.08%
			2700	2.037	37.292	2.073	38.882	-1.74%	-4.09%

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Table I-16
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
04/27/2026	5200-5800 Head	19.0	5150	4.408	36.698	4.608	36.050	-4.34%	1.80%
			5160	4.417	36.687	4.618	36.040	-4.35%	1.80%
			5170	4.419	36.662	4.629	36.030	-4.54%	1.75%
			5180	4.420	36.602	4.635	36.009	-4.64%	1.65%
			5190	4.423	36.531	4.645	35.998	-4.78%	1.48%
			5200	4.435	36.480	4.655	35.986	-4.73%	1.37%
			5210	4.446	36.451	4.666	35.975	-4.71%	1.32%
			5220	4.461	36.427	4.676	35.963	-4.60%	1.29%
			5240	4.499	36.428	4.696	35.940	-4.20%	1.36%
			5250	4.515	36.444	4.706	35.929	-4.06%	1.43%
			5260	4.525	36.451	4.717	35.917	-4.07%	1.49%
			5270	4.531	36.451	4.727	35.906	-4.15%	1.52%
			5280	4.537	36.438	4.737	35.894	-4.22%	1.52%
			5290	4.541	36.401	4.748	35.883	-4.36%	1.44%
			5300	4.544	36.342	4.758	35.871	-4.50%	1.31%
			5310	4.550	36.273	4.768	35.860	-4.57%	1.15%
			5320	4.558	36.216	4.778	35.849	-4.60%	1.02%
			5500	4.765	35.920	4.963	35.643	-3.99%	0.78%
			5510	4.775	35.957	4.973	35.632	-3.98%	0.91%
			5520	4.785	35.956	4.983	35.620	-3.97%	0.94%
			5530	4.796	35.917	4.994	35.609	-3.96%	0.86%
			5540	4.805	35.855	5.004	35.597	-3.98%	0.72%
			5550	4.818	35.817	5.014	35.586	-3.91%	0.65%
			5560	4.832	35.771	5.024	35.574	-3.82%	0.55%
			5580	4.847	35.684	5.045	35.551	-3.92%	0.37%
			5600	4.871	35.645	5.065	35.529	-3.83%	0.33%
			5610	4.885	35.642	5.076	35.518	-3.76%	0.35%
			5620	4.895	35.642	5.086	35.506	-3.76%	0.38%
			5640	4.926	35.620	5.106	35.483	-3.53%	0.39%
			5660	4.958	35.622	5.127	35.460	-3.30%	0.46%
			5670	4.968	35.601	5.137	35.449	-3.29%	0.43%
			5680	4.976	35.569	5.147	35.437	-3.32%	0.37%
			5690	4.980	35.535	5.158	35.426	-3.45%	0.31%
			5700	4.985	35.486	5.168	35.414	-3.54%	0.20%
			5710	4.994	35.453	5.178	35.403	-3.55%	0.14%
			5720	5.006	35.421	5.188	35.391	-3.51%	0.08%
			5745	5.036	35.352	5.214	35.363	-3.41%	-0.03%
			5750	5.045	35.344	5.219	35.357	-3.33%	-0.04%
			5755	5.057	35.339	5.224	35.351	-3.20%	-0.03%
			5765	5.081	35.341	5.234	35.340	-2.92%	0.00%
			5775	5.103	35.344	5.245	35.329	-2.71%	0.04%
			5785	5.119	35.358	5.255	35.317	-2.59%	0.12%
			5795	5.130	35.361	5.265	35.305	-2.56%	0.16%
			5805	5.135	35.354	5.275	35.294	-2.65%	0.17%
			5825	5.131	35.304	5.296	35.271	-3.12%	0.09%
			5835	5.134	35.264	5.305	35.230	-3.22%	0.10%
			5845	5.143	35.206	5.315	35.210	-3.24%	-0.01%
			5850	5.150	35.180	5.320	35.200	-3.20%	-0.06%
			5855	5.157	35.161	5.325	35.197	-3.15%	-0.10%
			5875	5.195	35.130	5.347	35.183	-2.84%	-0.15%
			5885	5.223	35.125	5.357	35.177	-2.50%	-0.15%
			5905	5.267	35.140	5.379	35.163	-2.08%	-0.07%

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2. The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

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I.5 Test System Verification

Prior to SAR assessment, the system is verified to $\pm 10\%$ of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in the SAR System Validation Appendix.

Table I-17
System Verification Results

System Verification TARGET & MEASURED																	
SAR System	Tissue Frequency (MHz)	Tissue Type	Date	Amb. Temp. (C)	Liquid Temp. (C)	Input Power (W)	Source SN	Probe SN	DAE	Measured SAR 1g (W/kg)	1W Target SAR 1g (W/kg)	1W Normalized SAR 1g (W/kg)	Deviation 1g (%)	Measured SAR 10g (W/kg)	1W Target SAR 10g (W/kg)	1W Normalized SAR 10g (W/kg)	Deviation 10g (%)
L	2450	Head	05/26/2026	22.2	19.6	0.10	719	7539	1450	5.59	52.20	55.90	7.09%	2.62	24.60	26.20	6.50%
L	2450	Head	06/04/2026	20.3	19.4	0.10	719	7539	1450	5.34	52.20	53.40	2.30%	2.49	24.60	24.90	1.22%
S	5250	Head	04/27/2026	21.4	19.0	0.05	1057	7661	1558	3.74	79.40	74.80	-5.79%	1.07	22.70	21.40	-5.73%
S	5600	Head	04/27/2026	21.4	19.0	0.05	1057	7661	1558	3.93	82.80	78.60	-5.07%	1.12	23.60	22.40	-5.08%
S	5750	Head	04/27/2026	21.4	19.0	0.05	1057	7661	1558	3.69	79.80	73.80	-7.52%	1.06	22.70	21.20	-6.61%
S	5850	Head	04/27/2026	21.4	19.0	0.05	1057	7661	1558	3.93	81.50	78.60	-3.56%	1.11	23.00	22.20	-3.48%

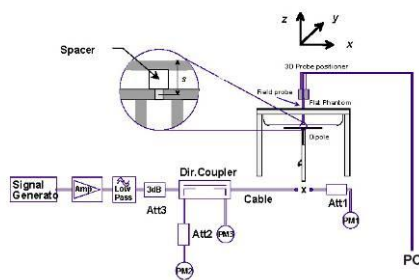


Figure I-1
System Verification Setup Diagram



Figure I-2
System Verification Setup Photo

I.6 SAR Test Plots

Per FCC KDB 865664 D02, the SAR plot is required for the highest measured SAR in each exposure condition per wireless mode and frequency band. The plots required to support the data presented in section I.3 are included below.

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ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 7BTC32609

Communication System: UID:10315, WLAN; MAIA: Y; Frequency: 2437.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2437.000$ MHz; $\text{cond} = 1.82$ S/m; $\text{perm} = 37.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/04/2026; Ambient Temp: 20.3°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna 3, 22 MHz Bandwidth, Exp: Body| Back Side,
Ch. 6, 1Mbps**

Area Scan (320.0 x 220.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (36.0 x 36.0 x 31.2): Measurement grid: $dx=3.0$ mm, $dy=3.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

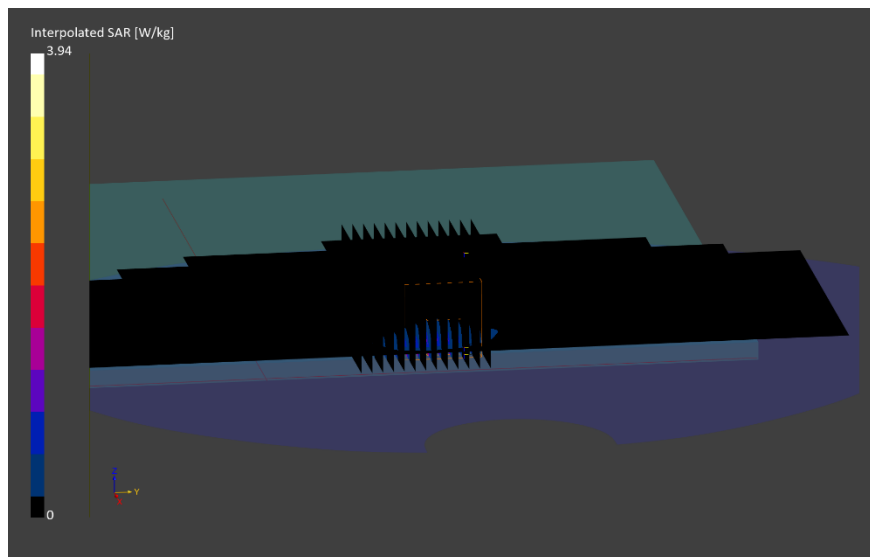
Reference Value = 0.60 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.94 W/kg

SAR(1 g) = 0.873 W/kg

Smallest distance from peaks to all points 3 dB below is 3.4 mm

Ratio of SAR at M2 to SAR at M1 = 53.2 %



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ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 7CR4R2609

Communication System: UID:10544, WLAN; MAIA: Y; Frequency: 5290.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 5290.000$ MHz; $\text{cond} = 4.54$ S/m; $\text{perm} = 36.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/27/2026; Ambient Temp: 21.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.7,6.07,6.06); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1558; Calibrated: 2025-06-05

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna 3, 80 MHz Bandwidth, U-NII-2A, Exp: Body|
Back Side, Ch. 58, 29.3 Mbps**

Area Scan (320.0 x 220.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

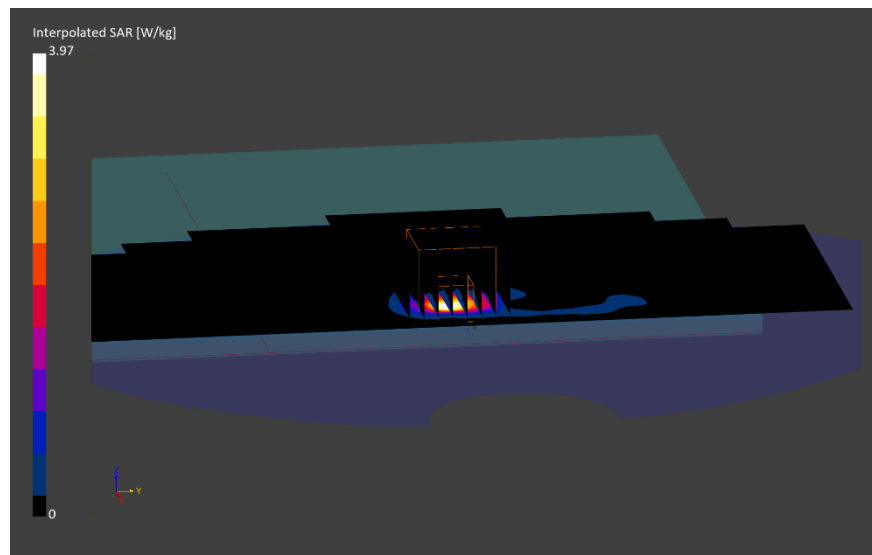
Reference Value = 0.57 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.97 W/kg

SAR(1 g) = 0.787 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 56.7 %



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ELEMENT

DUT: C3K00002101; Type: Wireless Module; Serial: 7BTFT2609

Communication System: UID:10670, Bluetooth; MAIA: Y; Frequency: 2440.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2440.000$ MHz; $\text{cond} = 1.77$ S/m; $\text{perm} = 38.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/26/2026; Ambient Temp: 22.2°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz Bluetooth LE, Antenna 3, Exp: Body| Back Side, Ch. 17, 1 Mbps

Area Scan (320.0 x 220.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (38.0 x 38.0 x 31.2): Measurement grid: $dx=3.8$ mm, $dy=3.8$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

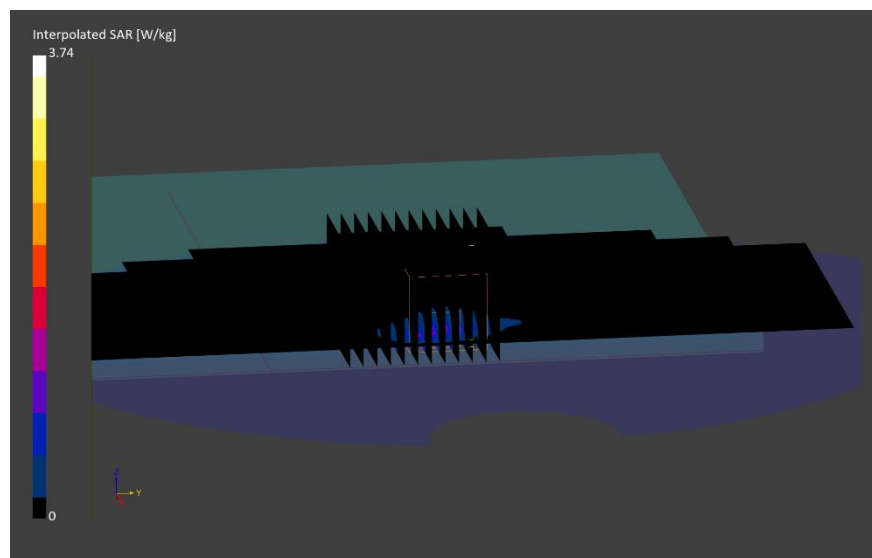
Reference Value = 0.64 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 0.917 W/kg

Smallest distance from peaks to all points 3 dB below is 4.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.2 %



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I.7 SAR Dipole Verification Plots

The SAR Dipole Verification Plots associated with the test system verifications presented in Section I.5 are included below.

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ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN719

Communication System: UID: 0, CW; Frequency: 2450.000 MHz
 Medium: Head Simulating Liquid; Medium parameters used:
 $f = 2450.000$ MHz; $\text{cond} = 1.78$ S/m; $\text{perm} = 38.6$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 05/26/2026; Ambient Temp: 22.2°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1450; Calibrated: 2026-03-10
 Phantom: Twin-SAM V8.0; Serial: 1966
 Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

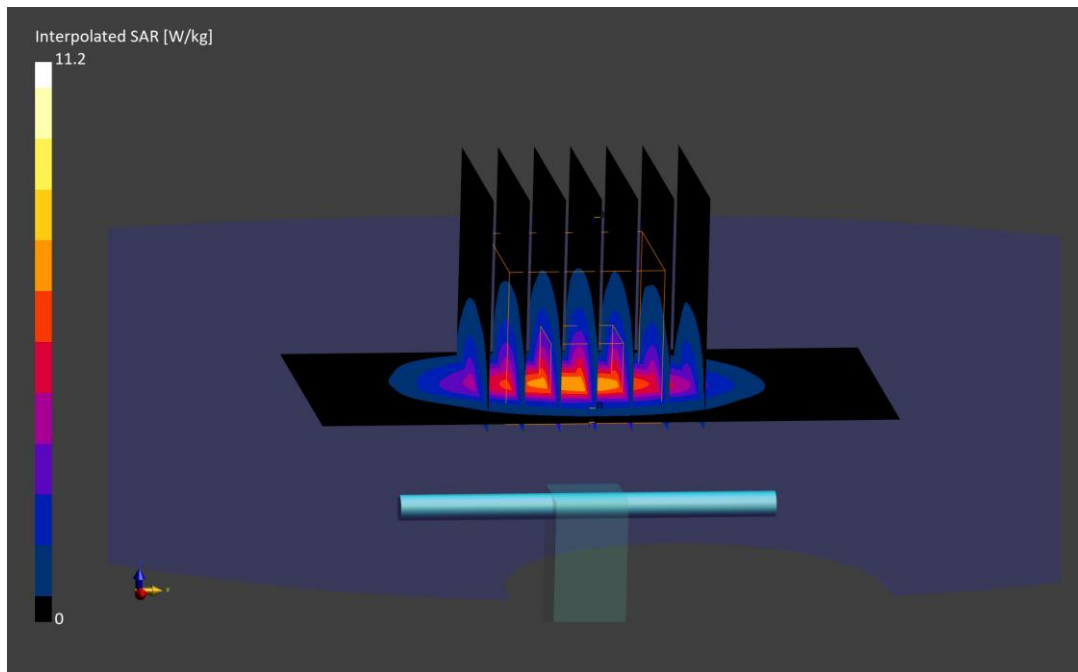
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.59 W/kg; SAR(10 g) = 2.62 W/kg

Deviation (1 g) = 7.09%; Deviation (10 g) = 6.50%



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ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN719

Communication System: UID: 0, CW; Frequency: 2450.000 MHz
 Medium: Head Simulating Liquid; Medium parameters used:
 $f = 2450.000$ MHz; $\text{cond} = 1.83$ S/m; $\text{perm} = 37.7$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 06/04/2026; Ambient Temp: 20.3°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1450; Calibrated: 2026-03-10
 Phantom: Twin-SAM V8.0; Serial: 1966
 Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

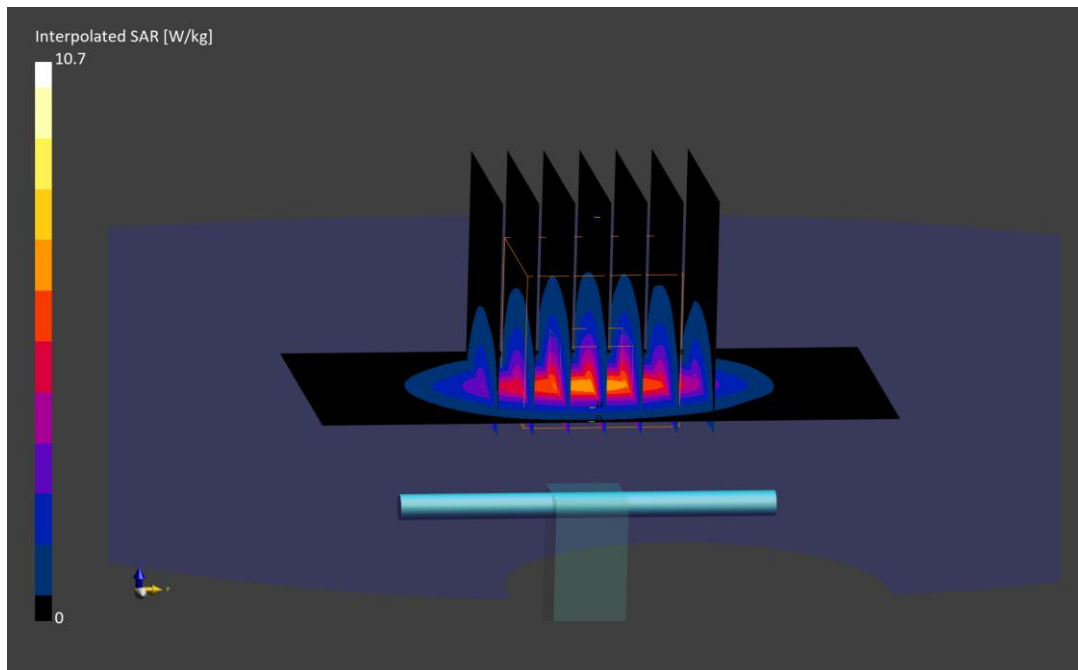
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 5.34 W/kg; SAR(10 g) = 2.49 W/kg

Deviation (1 g) = 2.30%; Deviation (10 g) = 1.22%



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ELEMENT

DUT: Dipole 5250.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5250.000 MHz
 Medium: Head Simulating Liquid; Medium parameters used:
 $f = 5250.000$ MHz; $\text{cond} = 4.51$ S/m; $\text{perm} = 36.4$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 04/27/2026; Ambient Temp: 21.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.7,6.07,6.06); Calibrated: 2025-06-11
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1558; Calibrated: 2025-06-05
 Phantom: Twin-SAM V8.0; Serial: 2065
 Measurement SW: DASY Module SAR V16.4.0.5005

5250.0 MHz System Verification at 17.0 dBm (50 mW)

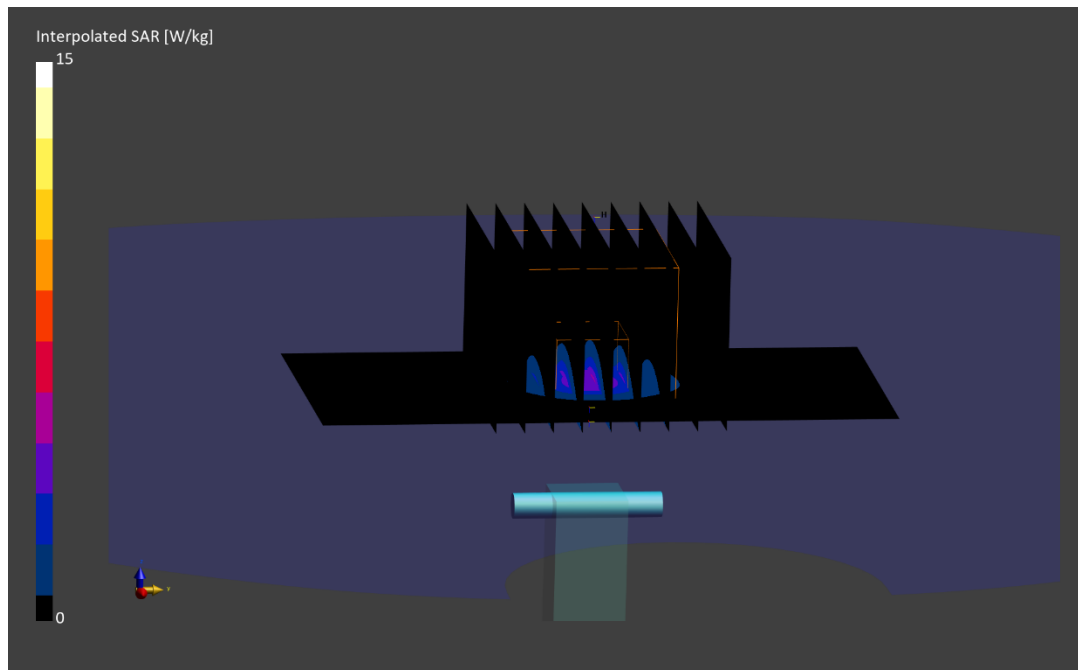
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 15.0 W/kg

SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.07 W/kg

Deviation (1 g) = -5.79%; Deviation (10 g) = -5.73%



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ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1057

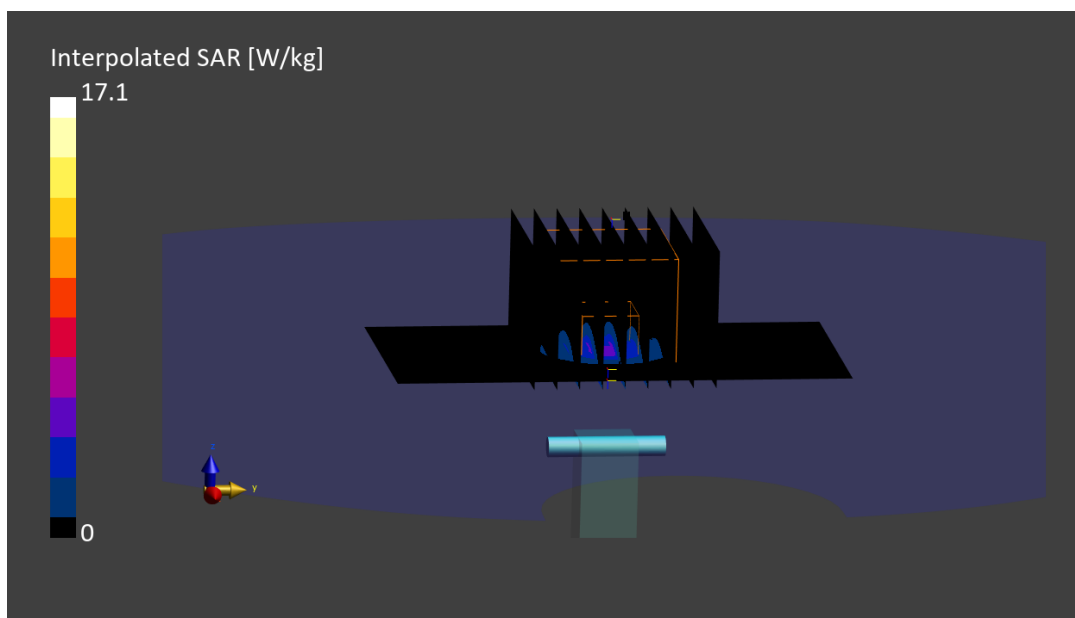
Communication System: UID: 0, CW; Frequency: 5600.000 MHz
 Medium: Head Simulating Liquid; Medium parameters used:
 $f = 5600.000$ MHz; $\text{cond} = 4.87$ S/m; $\text{perm} = 35.6$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 04/27/2026; Ambient Temp: 21.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.13,5.46,5.46); Calibrated: 2025-06-11
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1558; Calibrated: 2025-06-05
 Phantom: Twin-SAM V8.0; Serial: 2065
 Measurement SW: DASY Module SAR V16.4.0.5005

5600.0 MHz System Verification at 17.0 dBm (50 mW)

Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm
Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4
 Peak SAR (extrapolated) = 17.1 W/kg
SAR(1 g) = 3.93 W/kg; SAR(10 g) = 1.12 W/kg
 Deviation (1 g) = -5.07%; Deviation (10 g) = -5.08%



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ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5750.000 MHz
 Medium: Head Simulating Liquid; Medium parameters used:
 $f = 5750.000$ MHz; $\text{cond} = 5.04$ S/m; $\text{perm} = 35.3$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 04/27/2026; Ambient Temp: 21.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.27,5.61,5.61); Calibrated: 2025-06-11
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1558; Calibrated: 2025-06-05
 Phantom: Twin-SAM V8.0; Serial: 2065
 Measurement SW: DASY Module SAR V16.4.0.5005

5750.0 MHz System Verification at 17.0 dBm (50 mW)

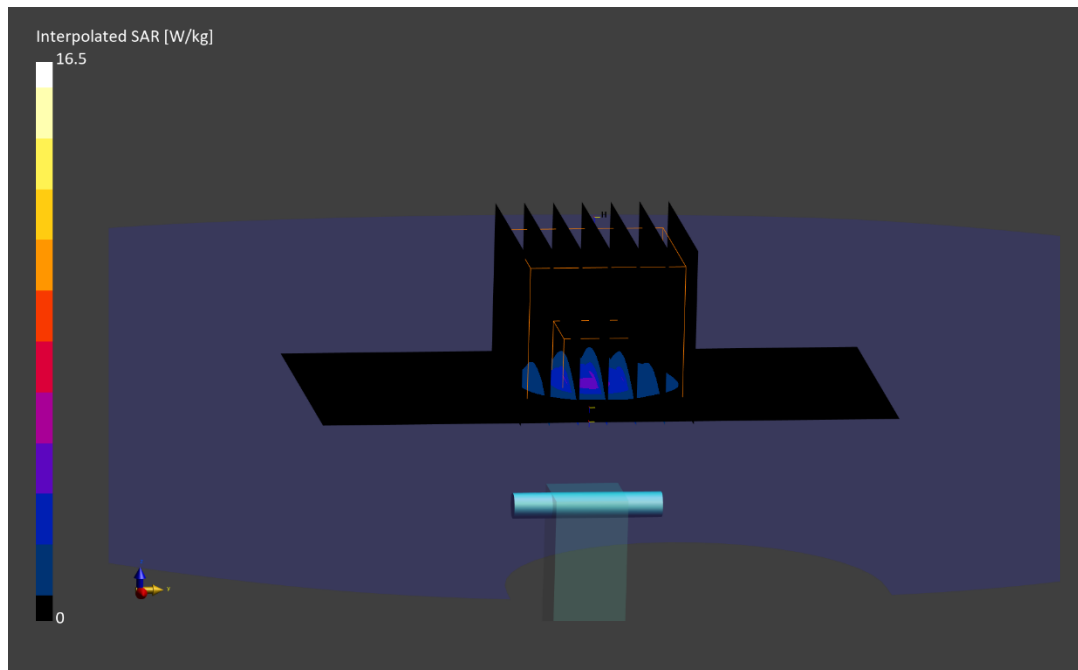
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 24.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 3.69 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = -7.52%; Deviation (10 g) = -6.61%



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ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5850.000 MHz
 Medium: Head Simulating Liquid; Medium parameters used:
 $f = 5850.000$ MHz; $\text{cond} = 5.15$ S/m; $\text{perm} = 35.2$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 04/27/2026; Ambient Temp: 21.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.07,5.39,5.38); Calibrated: 2025-06-11
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1558; Calibrated: 2025-06-05
 Phantom: Twin-SAM V8.0; Serial: 2065
 Measurement SW: DASY Module SAR V16.4.0.5005

5850.0 MHz System Verification at 17.0 dBm (50 mW)

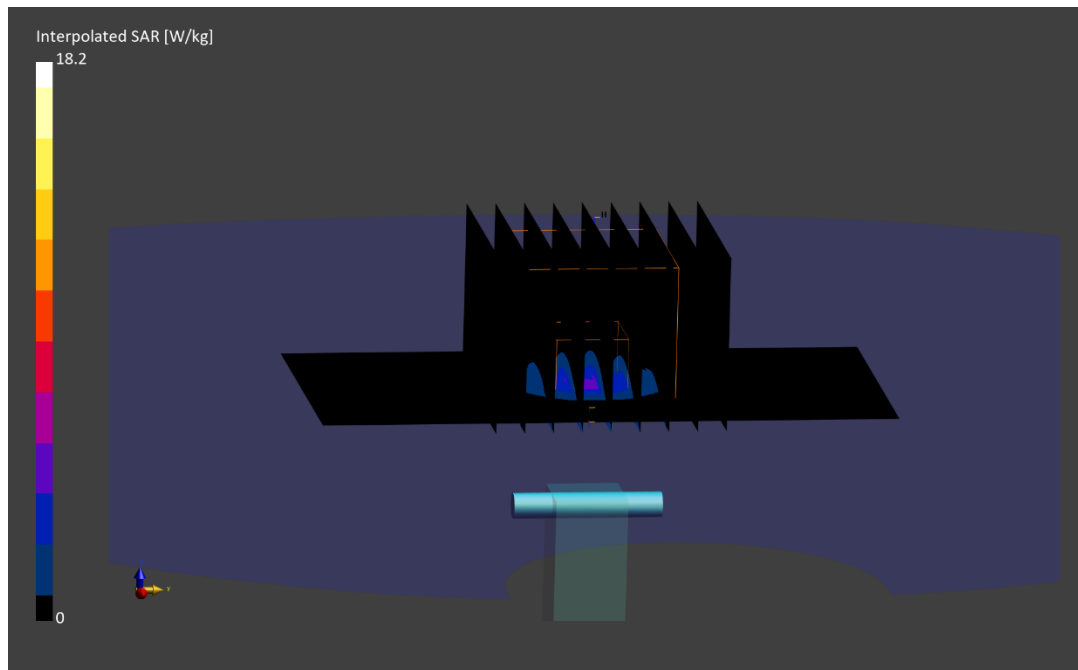
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 3.93 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -3.56%; Deviation (10 g) = -3.48%



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