Appendix C: System Check Plots

RF SAFETY LABORATORY

System Verification

Verification Conditions

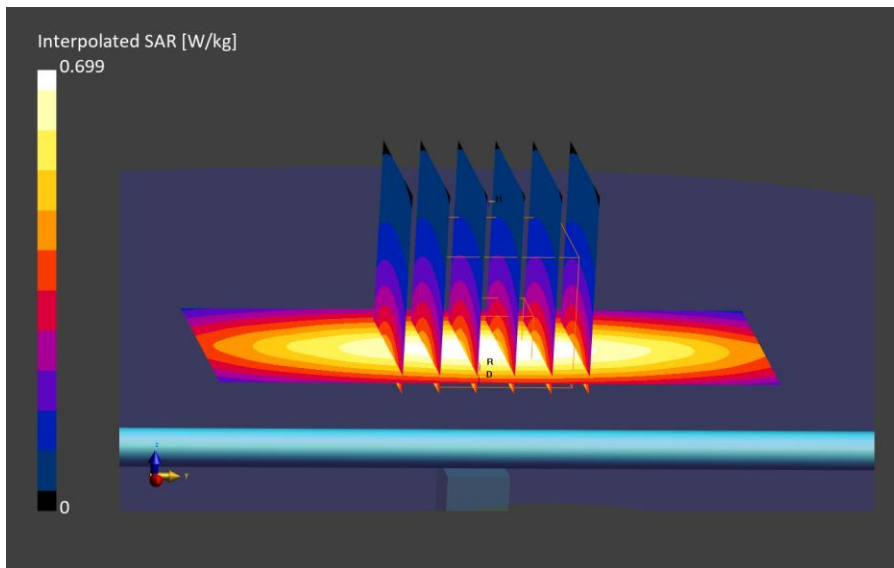| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D750V3 – SN1235	17.0	Flat	15	CW, 0	750.000	9.57

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-19	22.9	21.5	16.2.4.2524	Twin-SAM V8.0 – 2165	HSL	0.896	42.6	EX3DV4 – SN7859, 2023-12-19	DAE4ip Sn1844, 2023-11-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	0.443	1.71
psSAR10g	0.292	2.39
Peak SAR (Extrapolated)	0.699	10.69

RF SAFETY LABORATORY

System Verification

Verification Conditions

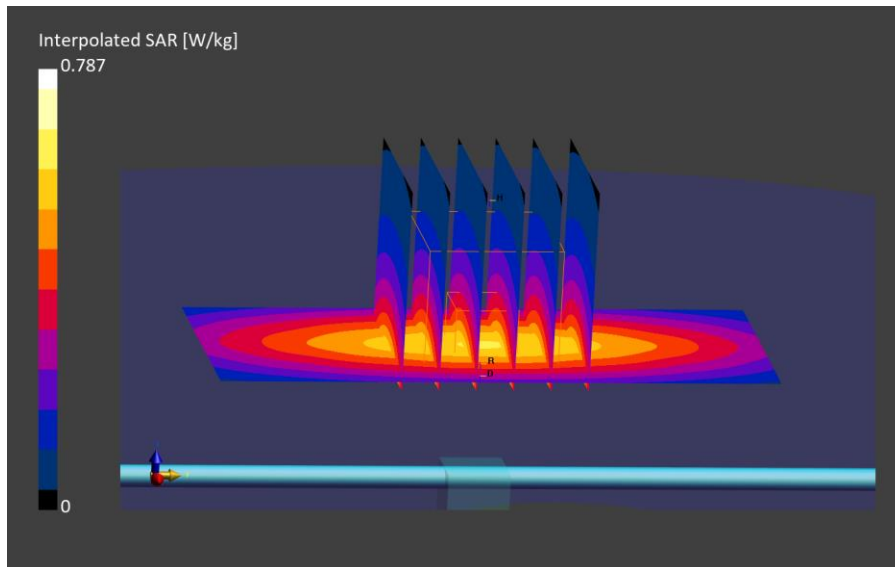| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D835V2 – SN4d311	17.0	Flat	15	CW, 0	835.000	9.24

Test Setup

Test Date	Ambient Temp [℃]	TSL Temp [℃]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-19	22.9	21.5	16.2.4.2524	Twin-SAM V8.0 – 2165	HSL	0.928	42.4	EX3DV4 – SN7859, 2023-12-19	DAE4ip Sn1844, 2023-11-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	0.514	4.44
psSAR10g	0.336	5.24
Peak SAR (Extrapolated)	0.787	11.37

RF SAFETY LABORATORY

System Verification

Verification Conditions

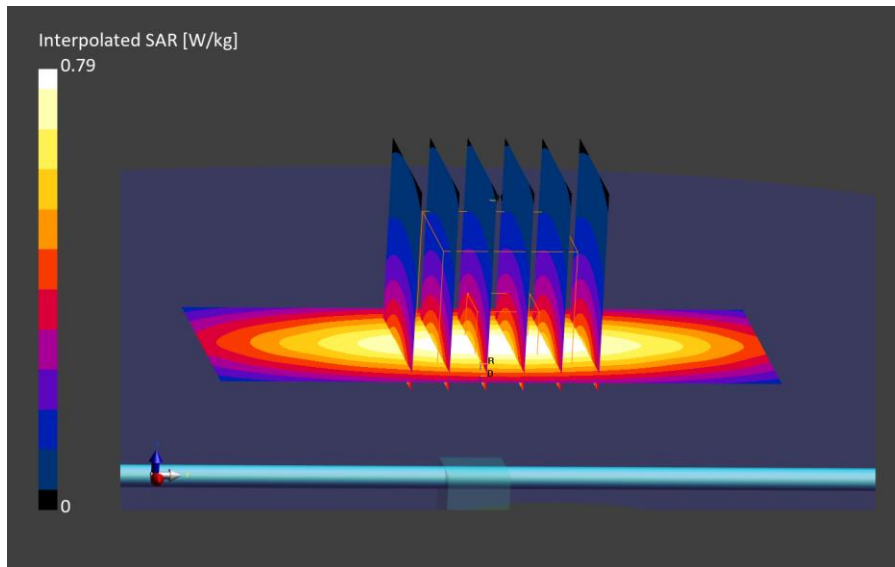| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D835V2 – SN4d311	17.0	Flat	15	CW, 0	835.000	9.24

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-21	23.5	21.5	16.2.4.2524	Twin-SAM V8.0 – 2165	HSL	0.941	41.9	EX3DV4 – SN7859, 2023-12-19	DAE4ip Sn1844, 2023-11-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	0.517	5.05
psSAR10g	0.338	5.87
Peak SAR (Extrapolated)	0.790	11.79

RF SAFETY LABORATORY

System Verification

Verification Conditions

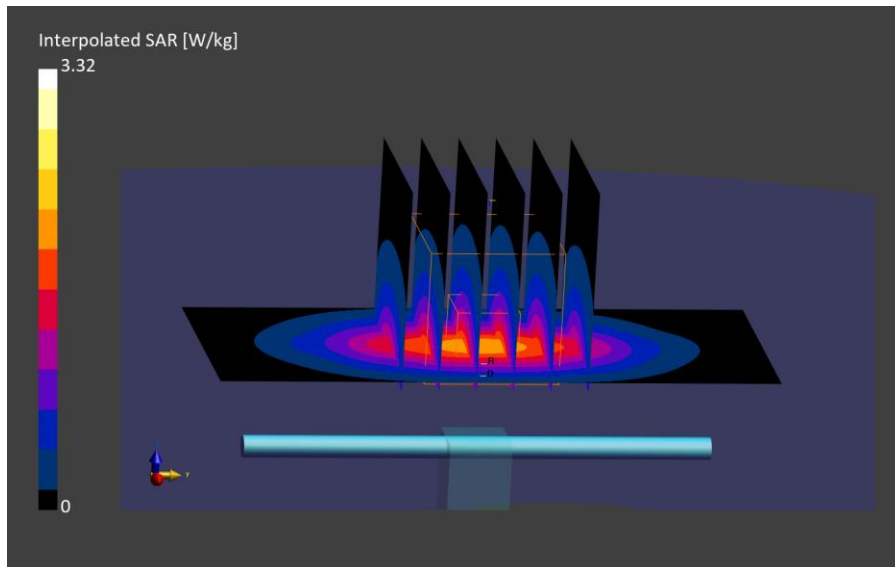| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D1750V2 – SN1205	17.0	Flat	10	CW, 0	1750.000	8.36

Test Setup

Test Date	Ambient Temp [℃]	TSL Temp [℃]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-19	22.7	22.2	16.2.4.2524	Twin-SAM V8.0 – 2159	HSL	1.37	39.1	EX3DV4 – SN7836, 2023-10-11	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	1.74	-4.88
psSAR10g	0.925	-3.87
Peak SAR (Extrapolated)	3.32	2.07

RF SAFETY LABORATORY

System Verification

Verification Conditions

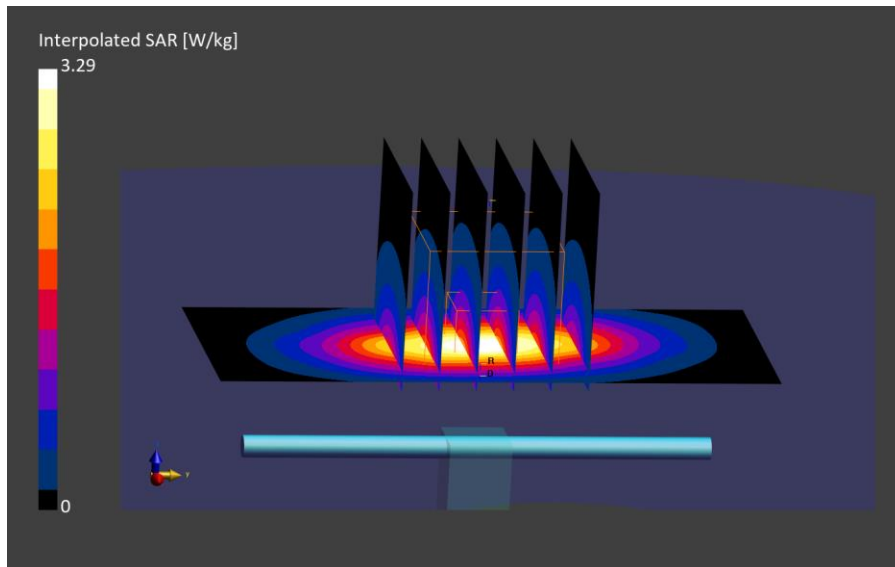| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D1750V2 – SN1205	17.0	Flat	10	CW, 0	1750.000	8.36

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024–02–21	23.1	22	16.2.4.2524	Twin–SAM V8.0 – 2159	HSL	1.37	38.8	EX3DV4 – SN7836, 2023–10–11	DAE4ip Sn1839, 2023–10–09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	1.74	−4.88
psSAR10g	0.922	−4.19
Peak SAR (Extrapolated)	3.30	1.45

RF SAFETY LABORATORY

System Verification

Verification Conditions

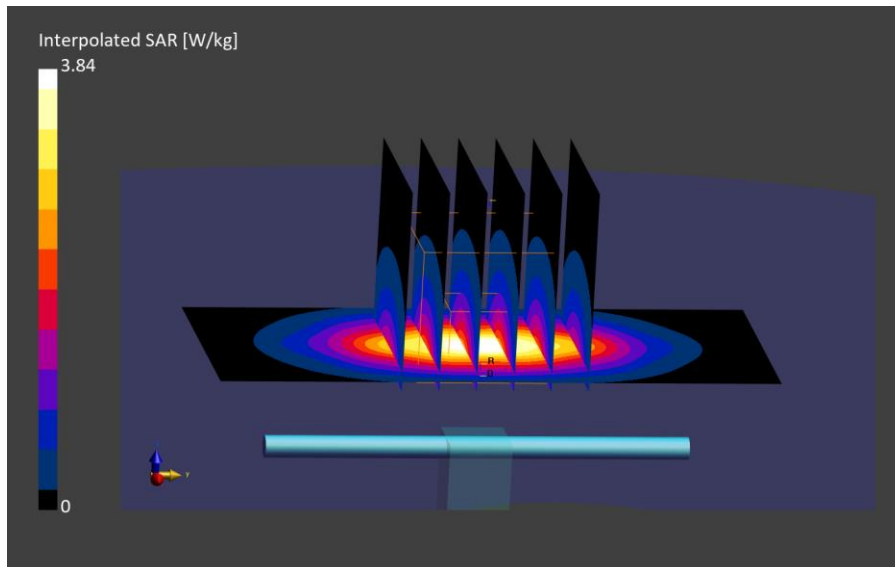| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D1900V2 – SN5d252	17.0	Flat	10	CW, 0	1900.000	8.26

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-19	22.7	22.2	16.2.4.2524	Twin-SAM V8.0 – 2159	HSL	1.46	38.8	EX3DV4 – SN7836, 2023-10-11	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	1.99	-0.24
psSAR10g	1.03	-2.14
Peak SAR (Extrapolated)	3.84	6.27

RF SAFETY LABORATORY

System Verification

Verification Conditions

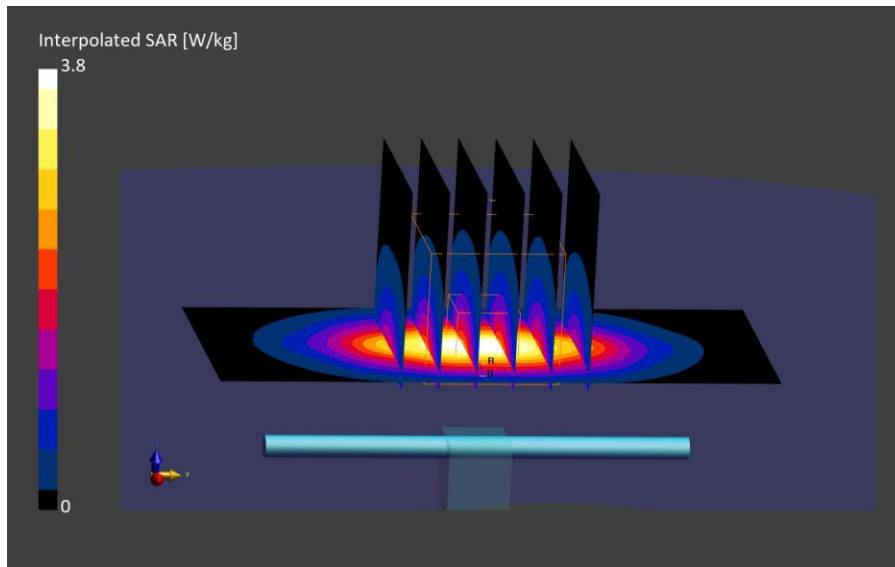| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D1900V2 – SN5d252	17.0	Flat	10	CW, 0	1900.000	8.26

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-21	23.1	22	16.2.4.2524	Twin-SAM V8.0 – 2159	HSL	1.45	38.5	EX3DV4 – SN7836, 2023-10-11	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	1.98	-0.74
psSAR10g	1.02	-3.09
Peak SAR (Extrapolated)	3.80	5.16

RF SAFETY LABORATORY

System Verification

Verification Conditions

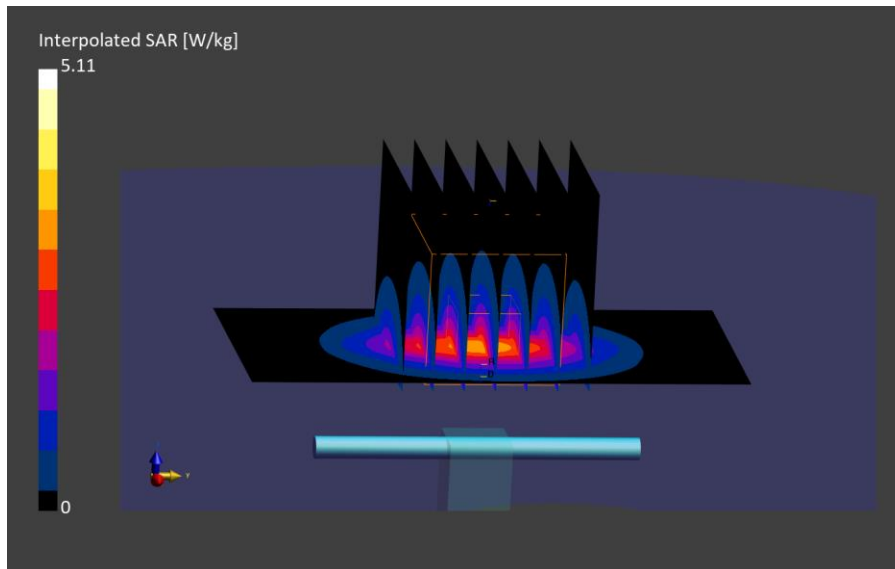| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D2450V2 – SN1112	17.0	Flat	10	CW, 0	2450.000	7.11

Test Setup

Test Date	Ambient Temp [℃]	TSL Temp [℃]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-21	23.1	20.8	16.2.4.2524	Twin-SAM V8.0 – 2164	HSL	1.85	39.9	EX3DV4 – SN7857, 2023-12-19	DAE4ip Sn1843, 2023-11-02

Scans 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	2.45	-5.63
psSAR10g	1.14	-6.78
Peak SAR (Extrapolated)	5.11	-2.15

RF SAFETY LABORATORY

System Verification

Verification Conditions

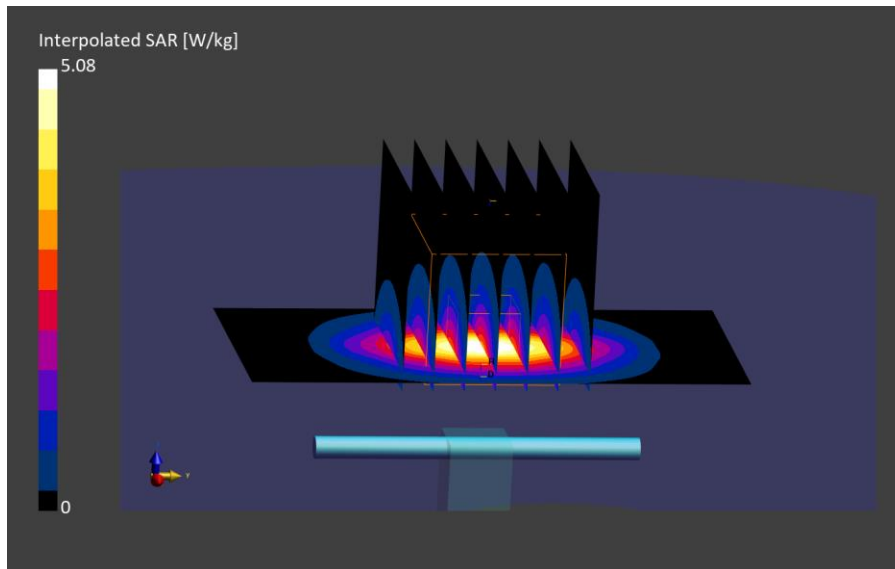| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D2450V2 – SN1112	17.0	Flat	10	CW, 0	2450.000	7.11

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024–03–04	23.1	21.3	16.2.4.2524	Twin–SAM V8.0 – 2164	HSL	1.78	36.5	EX3DV4 – SN7857, 2023–12–19	DAE4ip Sn1843, 2023–11–02

Scans 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	2.45	−5.63
psSAR10g	1.14	−6.78
Peak SAR (Extrapolated)	5.08	−2.73

RF SAFETY LABORATORY

System Verification

Verification Conditions

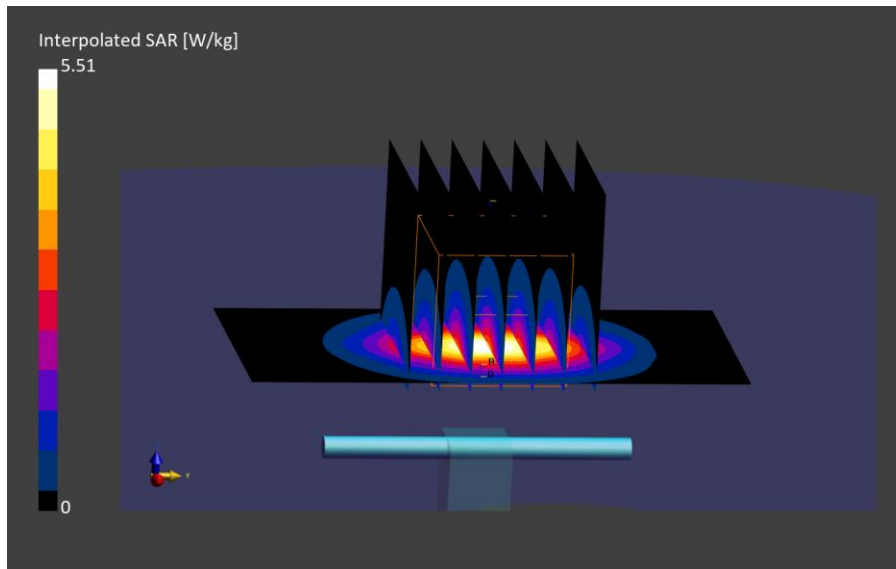| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D2600V2 – SN1215	17.0	Flat	10	CW, 0	2600.000	7.1

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-19	23.1	21.1	16.2.4.2524	Twin-SAM V8.0 – 2164	HSL	1.97	39.0	EX3DV4 – SN7857, 2023-12-19	DAE4ip Sn1843, 2023-11-02

Scans 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	2.60	-9.31
psSAR10g	1.17	-9.52
Peak SAR (Extrapolated)	5.51	-6.91

RF SAFETY LABORATORY

System Verification

Verification Conditions

Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D5GHzV2 – SN1396	17.0	Flat	10	CW, 0	5250.000	5.33

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-28	23.4	21.5	16.2.4.2524	Twin-SAM V8.0 – 2159	HSL	4.39	34.4	EX3DV4 – SN7836, 2023-10-11	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.4

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	3.66	-9.84
psSAR10g	1.06	-8.04
Peak SAR (Extrapolated)	13.5	-13.17

RF SAFETY LABORATORY

System Verification

Verification Conditions

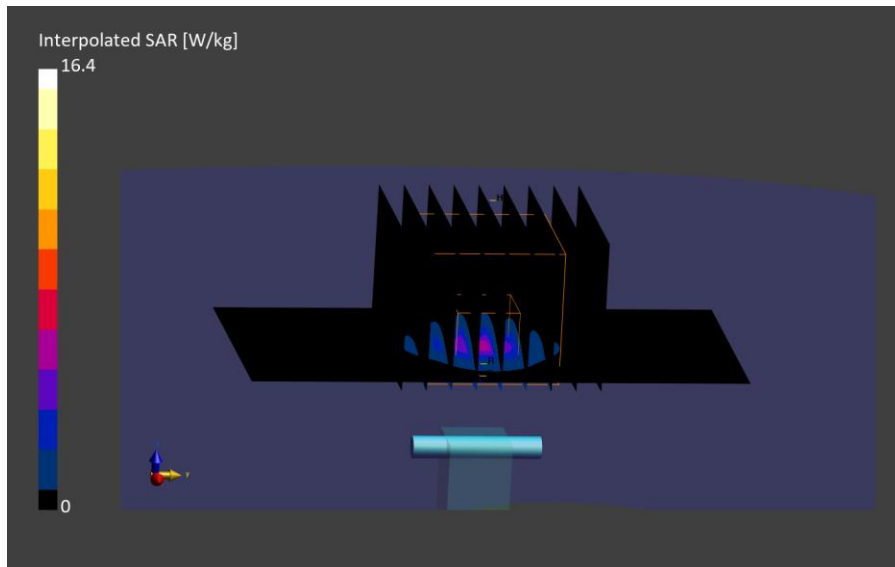| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D5GHzV2 – SN1396	17.0	Flat	10	CW, 0	5600.000	4.6

Test Setup

Test Date	Ambient Temp [℃]	TSL Temp [℃]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-28	23.4	21.5	16.2.4.2524	Twin-SAM V8.0 – 2159	HSL	4.76	33.8	EX3DV4 – SN7836, 2023-10-11	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.4

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	4.09	-2.62
psSAR10g	1.16	-3.16
Peak SAR (Extrapolated)	16.4	-3.7

RF SAFETY LABORATORY

System Verification

Verification Conditions

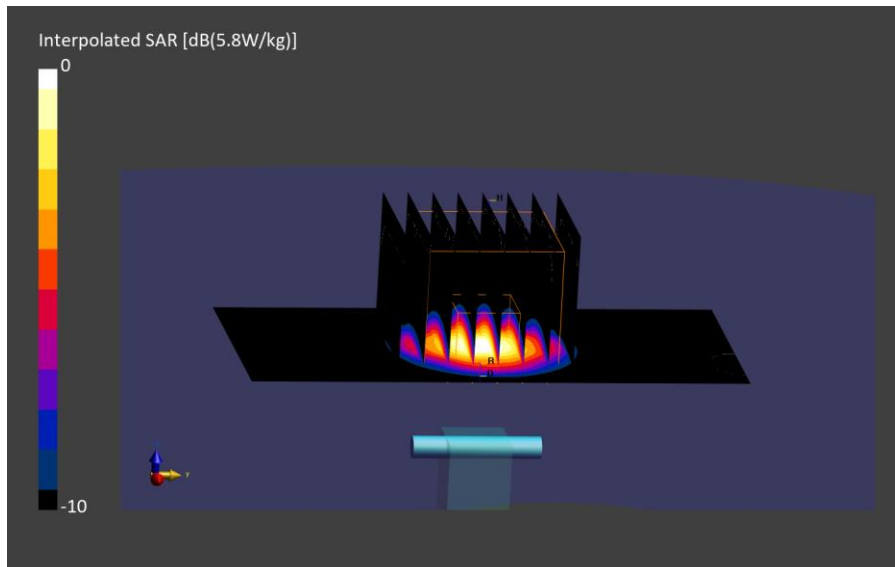| Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D5GHzV2 – SN1396	17.0	Flat	10	CW, 0	5750.000	4.78

Test Setup

Test Date	Ambient Temp [℃]	TSL Temp [℃]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-02-28	23.4	21.5	16.2.4.2524	Twin-SAM V8.0 – 2159	HSL	4.92	33.5	EX3DV4 – SN7836, 2023-10-11	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.4

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	3.70	-8.97
psSAR10g	1.06	-7.64
Peak SAR (Extrapolated)	15.1	-9.55

RF SAFETY LABORATORY

System Verification

Verification Conditions

Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D5GHzV2 – SN1396	17.0	Flat	10	CW, 0	5250.000	5.33

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-03-11	22.5	21.9	16.2.4.2524	Twin-SAM V8.0 – 2159	HSL	4.55	36.3	EX3DV4 – SN7836, 2023-10-11	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.4

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	3.71	-8.61
psSAR10g	1.06	-8.04
Peak SAR (Extrapolated)	13.9	-10.59

RF SAFETY LABORATORY

System Verification

Verification Conditions

Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
D5GHzV2 – SN1396	17.0	Flat	10	CW, 0	5600.000	4.6

Test Setup

Test Date	Ambient Temp [℃]	TSL Temp [℃]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-03-11	22.5	21.9	16.2.4.2524	Twin-SAM V8.0 – 2159	HSL	4.93	35.7	EX3DV4 – SN7836, 2023-10-11	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.4

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	3.94	-6.19
psSAR10g	1.11	-7.33
Peak SAR (Extrapolated)	16.2	-4.88

RF SAFETY LABORATORY

System Verification

Verification Conditions

Verification Source	Power [dBm]	Phantom Section	Test Distance [mm]	Signal, UID	Frequency [MHz]	ConvF (x, y, z)
CLA-13 – SN1041	24.5	Flat	0	CW, 0	13.000	17.1

Test Setup

Test Date	Ambient Temp [℃]	TSL Temp [℃]	Measurement SW	Phantom	TSL Type	Cond. [S/m]	Perm.	Probe, Cal. Date	DAE, Cal. Date
2024-03-13	21.5	22.4	16.2.4.2524	ELI V8.0 – 2216	HSL	0.726	53.8	EX3DV4 – SN7853, 2023-11-14	DAE4ip Sn1839, 2023-10-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 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
Grading Ratio	N/A	1.5

Measurement Results

	SAR [W/kg]	Deviation [%]
psSAR1g	0.126	-2.17
psSAR10g	0.078	-1.51