

Test Date : 2023-10-27 | Ambient Temp : 21.9 °C | Tissue Temp : 21.4 °C

Test Mode

28_LTE Band 14_QPSK10M_Left Side_10mm_Ch23330_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 14	LTE-FDD, 10175 - CAH	793.000, 23330	10.63	0.872	43.3

Hardware Setup

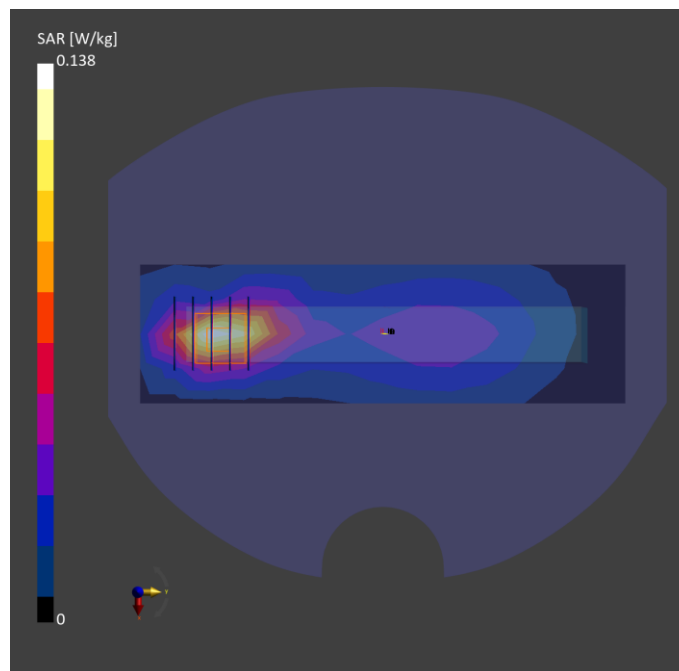
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.115	0.114
psSAR-10g [W/kg]	0.067	0.062
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.6
Dist 3dB Peak [mm]		9.6



Test Date : 2023-11-01 | Ambient Temp : 22.0 °C | Tissue Temp : 21.7 °C

Test Mode

29_LTE Band 25_QPSK20M_Right Side_10mm_Ch26140_1RB_Offset0_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 25	LTE-FDD, 10169 - CAF	1860.000, 26140	8.64	1.36	37.3

Hardware Setup

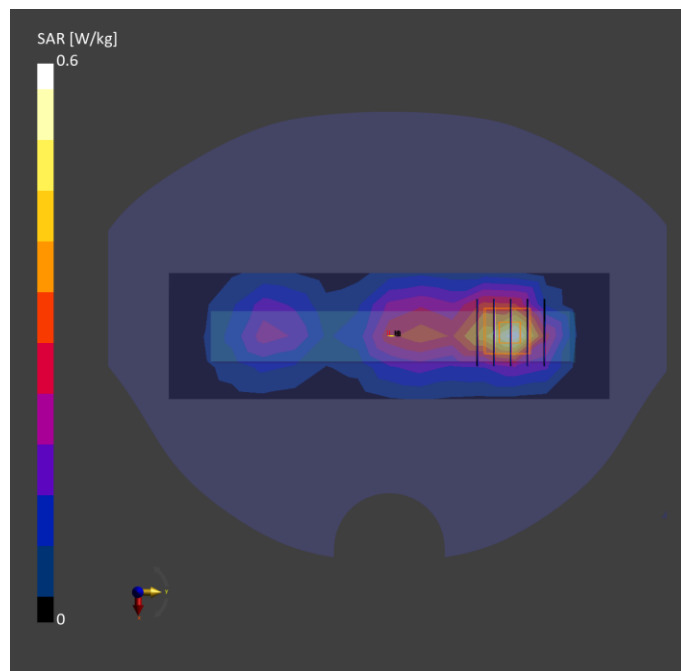
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.482	0.496
psSAR-10g [W/kg]	0.259	0.271
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.0
Dist 3dB Peak [mm]		12.2



Test Date : 2023-11-01 | Ambient Temp : 22.0 °C | Tissue Temp : 21.7 °C

Test Mode

30_LTE Band 25_QPSK20M_Left Side_10mm_Ch26140_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 25	LTE-FDD, 10169 - CAF	1860.000, 26140	8.64	1.36	37.3

Hardware Setup

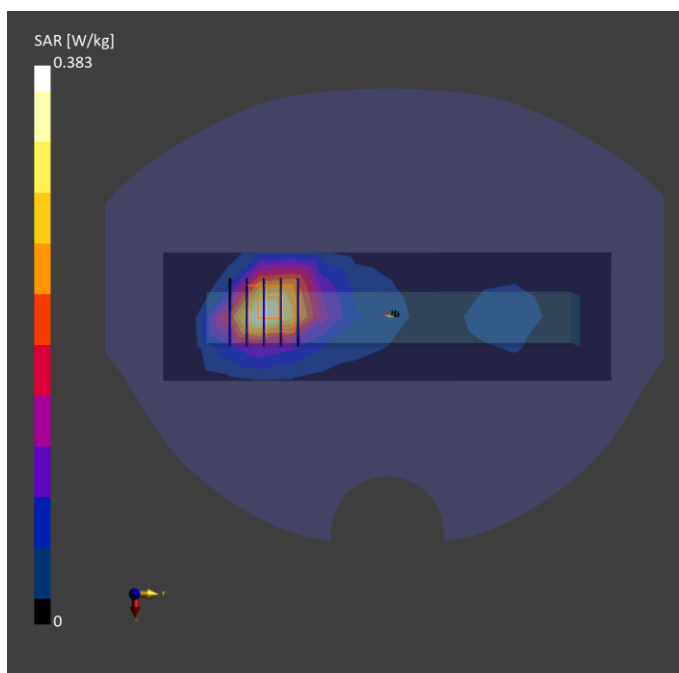
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.326	0.342
psSAR-10g [W/kg]	0.181	0.190
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.5
Dist 3dB Peak [mm]		13.6



Test Date : 2023-11-01 | Ambient Temp : 22.0 °C | Tissue Temp : 21.7 °C

Test Mode

31_LTE Band 25_QPSK20M_Left Side_10mm_Ch26365_1RB_Offset0_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 25	LTE-FDD, 10169 - CAF	1882.500, 26365	8.64	1.37	37.3

Hardware Setup

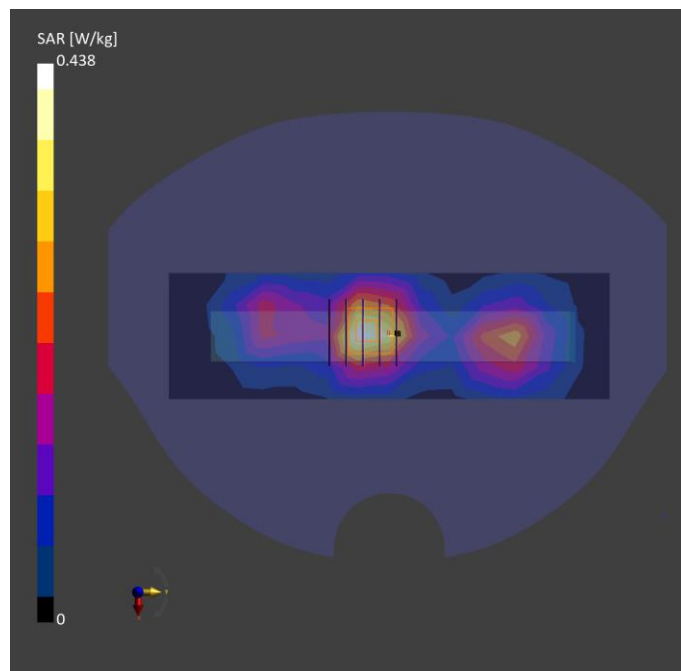
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.369	0.390
psSAR-10g [W/kg]	0.206	0.225
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.1
Dist 3dB Peak [mm]		15.8



Test Date : 2023-11-01 | Ambient Temp : 22.0 °C | Tissue Temp : 21.7 °C

Test Mode

32_LTE Band 25_QPSK20M_Right Side_10mm_Ch26365_1RB_Offset0_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 25	LTE-FDD, 10169 - CAF	1882.500, 26365	8.64	1.37	37.3

Hardware Setup

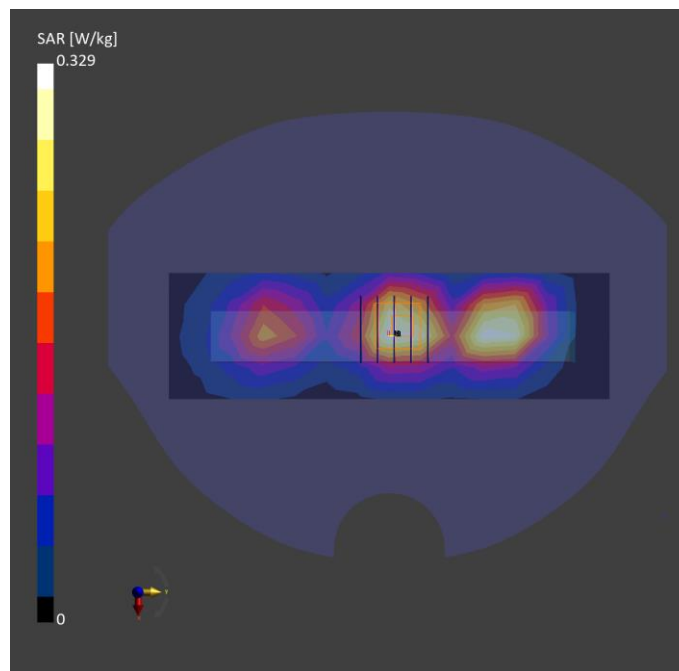
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.290	0.329
psSAR-10g [W/kg]	0.165	0.185
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.6
Dist 3dB Peak [mm]		15.1



Test Date : 2023-10-25 | Ambient Temp : 21.9 °C | Tissue Temp : 21.6 °C

Test Mode

33_LTE Band 26_QPSK15M_Right Side_10mm_Ch26765_1RB_Offset0_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 26	LTE-FDD, 10181 - CAF	821.500, 26765	10.38	0.914	43.3

Hardware Setup

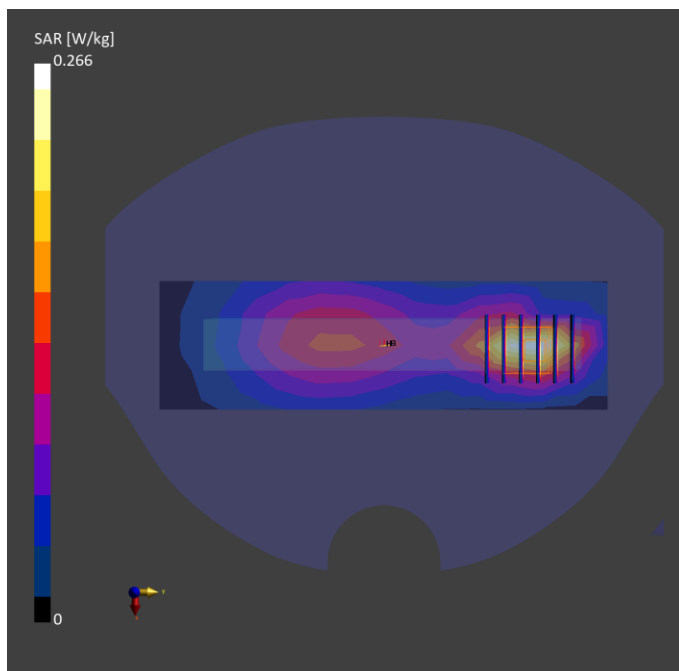
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.229	0.230
psSAR-10g [W/kg]	0.139	0.127
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.8
Dist 3dB Peak [mm]		11.2



Test Date : 2023-10-25 | Ambient Temp : 21.9 °C | Tissue Temp : 21.6 °C

Test Mode

34_LTE Band 26_QPSK15M_Left Side_10mm_Ch26965_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 26	LTE-FDD, 10181 - CAF	841.500, 26965	10.38	0.922	43.3

Hardware Setup

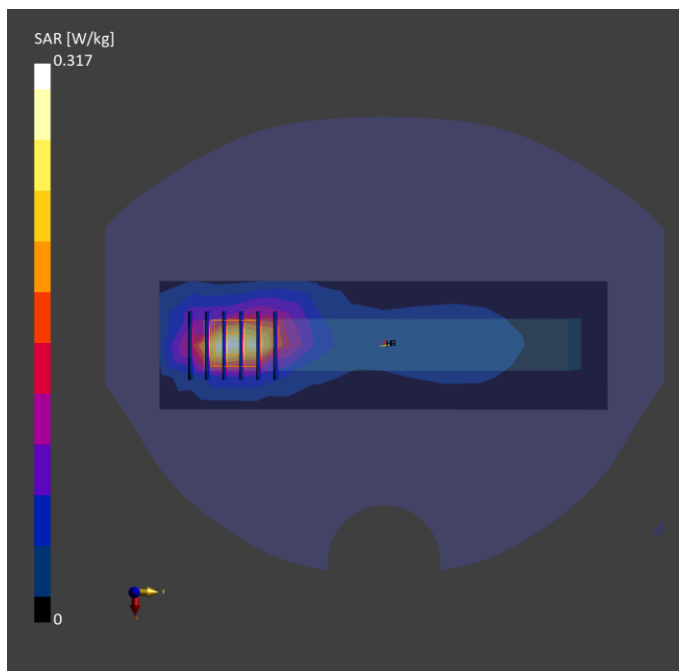
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.265	0.261
psSAR-10g [W/kg]	0.153	0.142
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.9
Dist 3dB Peak [mm]		9.6



Test Date : 2023-10-30 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

35_LTE Band 30_QPSK10M_Right Side_10mm_Ch27710_25RB_Offset0_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 30	LTE-FDD, 10154 - CAH	2310.000, 27710	8.48	1.64	36.7

Hardware Setup

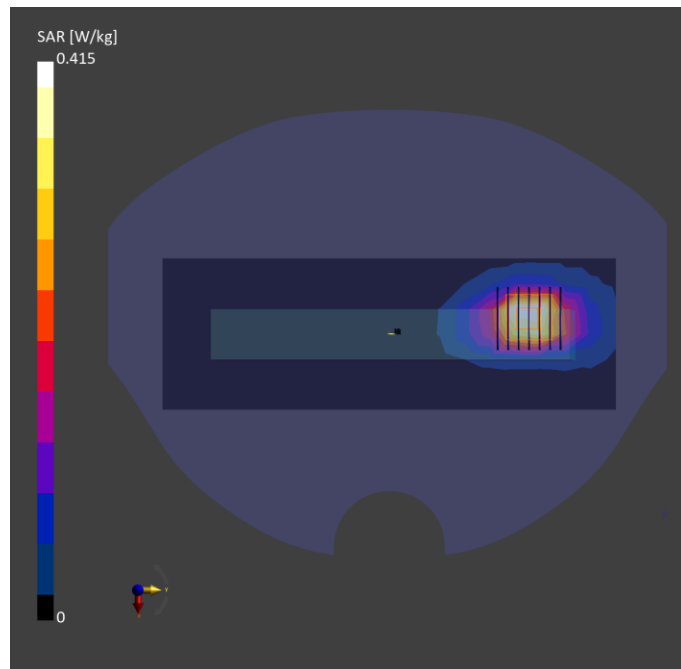
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.380	0.420
psSAR-10g [W/kg]	0.193	0.199
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.2
Dist 3dB Peak [mm]		9.9



Test Date : 2023-10-30 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

36_LTE Band 30_QPSK10M_Left Side_10mm_Ch27710_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 30	LTE-FDD, 10175 - CAH	2310.000, 27710	8.48	1.64	36.7

Hardware Setup

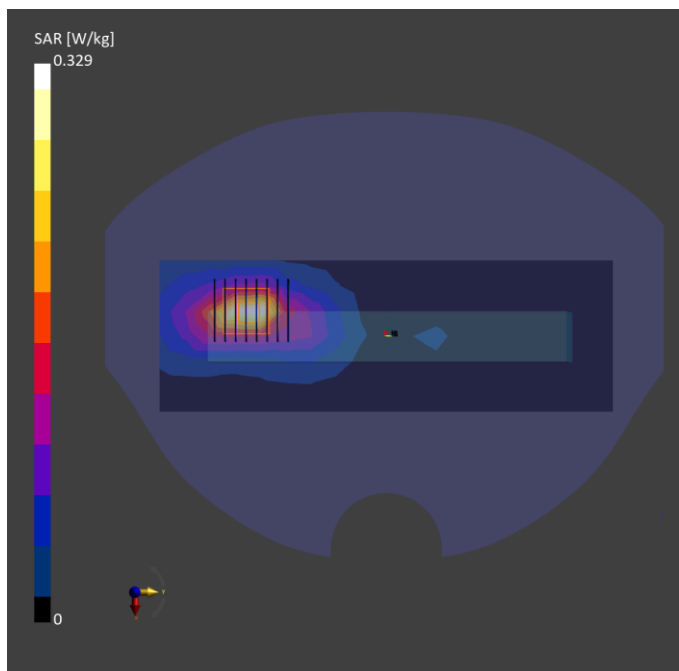
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.257	0.269
psSAR-10g [W/kg]	0.126	0.131
Power Drift [dB]		-0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.2
Dist 3dB Peak [mm]		10.0



Test Date : 2023-10-30 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

37_LTE Band 30_QPSK10M_Left Side_10mm_Ch27710_25RB_Offset0_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 30	LTE-FDD, 10154 - CAH	2310.000, 27710	8.48	1.64	36.7

Hardware Setup

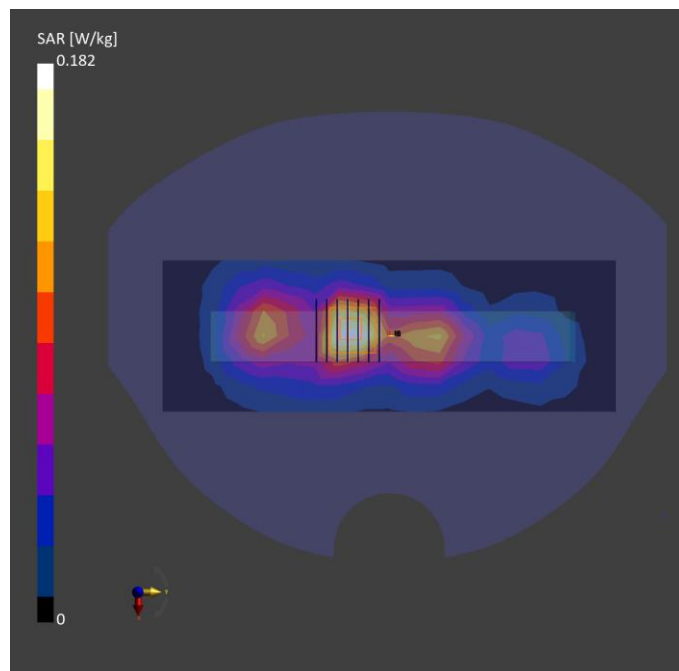
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.157	0.171
psSAR-10g [W/kg]	0.082	0.086
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.6
Dist 3dB Peak [mm]		13.0



Test Date : 2023-10-30 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

38_LTE Band 30_QPSK10M_Rear Face_10mm_Ch27710_1RB_Offset0_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 30	LTE-FDD, 10175 - CAH	2310.000, 27710	8.48	1.64	36.7

Hardware Setup

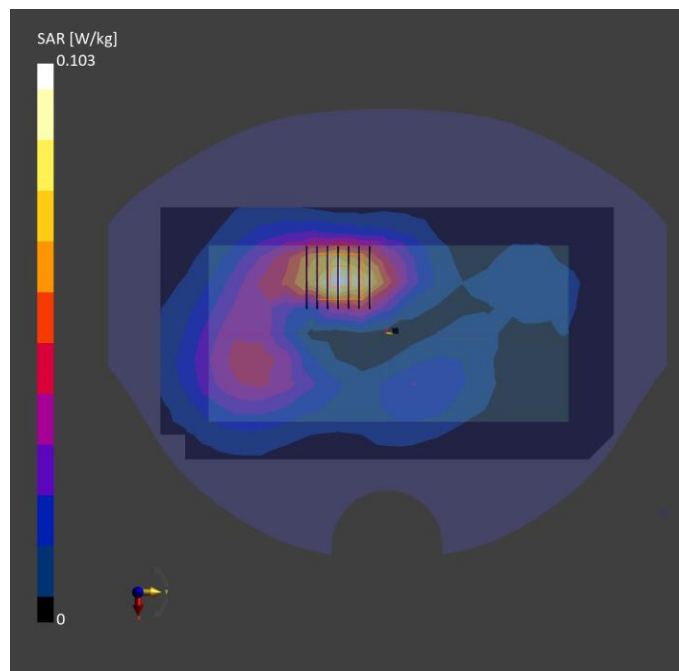
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.084	0.088
psSAR-10g [W/kg]	0.045	0.046
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		52.2
Dist 3dB Peak [mm]		13.2



Test Date : 2023-11-04 | Ambient Temp : 22.2 °C | Tissue Temp : 21.7 °C

Test Mode

39_LTE Band 38_QPSK20M_Right Side_10mm_Ch37850_1RB_Offset0_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 38	LTE-TDD, 10172 - CAH	2580.000, 37850	8.04	1.93	38.8

Hardware Setup

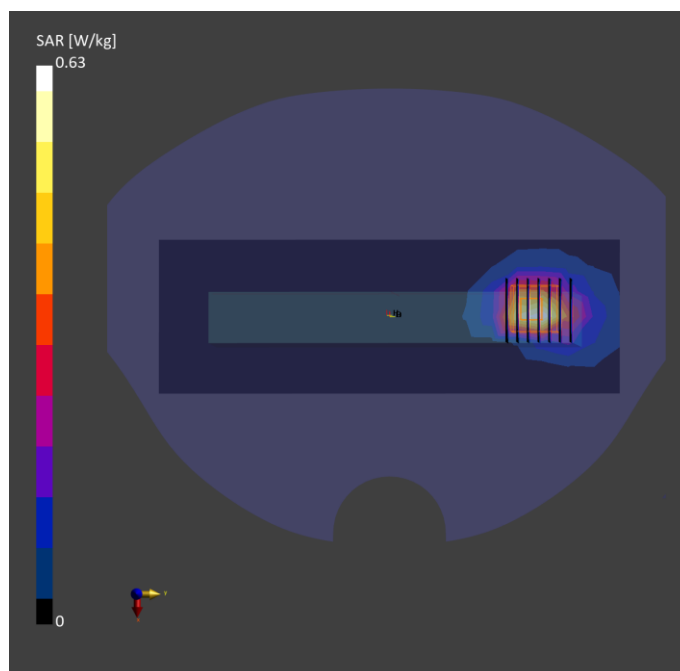
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.516	0.564
psSAR-10g [W/kg]	0.242	0.254
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.4
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-04 | Ambient Temp : 22.2 °C | Tissue Temp : 21.7 °C

Test Mode

40_LTE Band 38_QPSK20M_Left Side_10mm_Ch37850_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 38	LTE-TDD, 10172 - CAH	2580.000, 37850	8.04	1.93	38.8

Hardware Setup

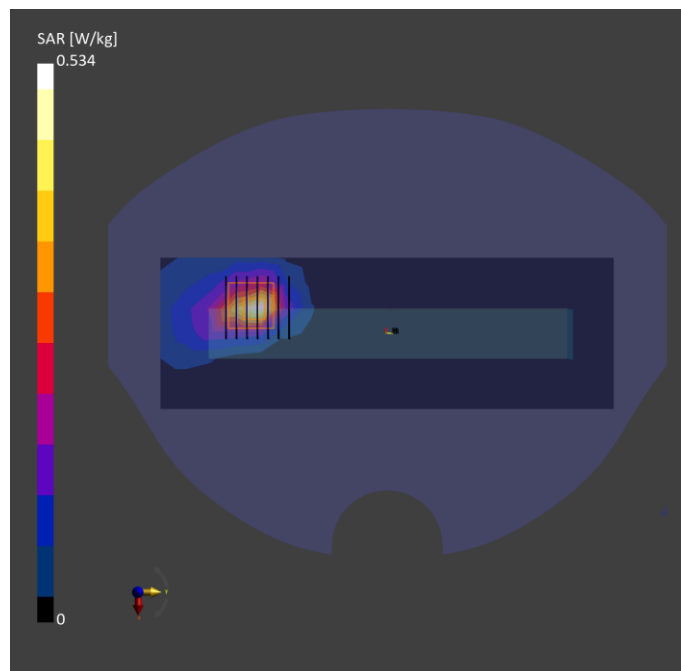
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.393	0.420
psSAR-10g [W/kg]	0.174	0.185
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		45.6
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-04 | Ambient Temp : 22.2 °C | Tissue Temp : 21.7 °C

Test Mode

41_LTE Band 38_QPSK20M_Left Side_10mm_Ch37850_1RB_Offset0_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 38	LTE-TDD, 10172 - CAH	2580.000, 37850	8.04	1.93	38.8

Hardware Setup

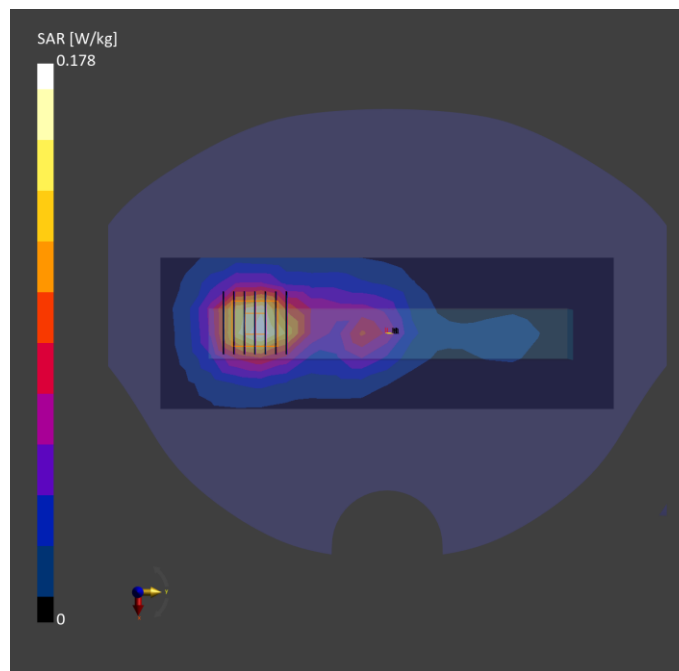
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.150	0.159
psSAR-10g [W/kg]	0.079	0.083
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.6
Dist 3dB Peak [mm]		14.4



Test Date : 2023-11-04 | Ambient Temp : 22.2 °C | Tissue Temp : 21.7 °C

Test Mode

42_LTE Band 38_QPSK20M_Right Side_10mm_Ch38000_1RB_Offset0_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 38	LTE-TDD, 10172 - CAH	2595.000, 38000	8.04	1.95	38.8

Hardware Setup

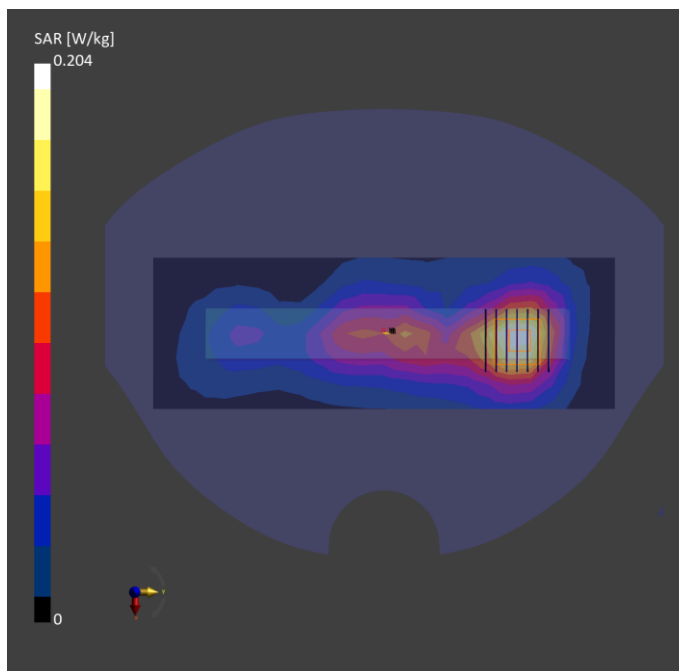
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 220.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.172	0.179
psSAR-10g [W/kg]	0.091	0.095
Power Drift [dB]		0.10
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.9
Dist 3dB Peak [mm]		16.2



Test Date : 2023-11-06 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

43_LTE Band 40_QPSK20M_Right Side_10mm_Ch38750_1RB_Offset0_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 40	LTE-TDD, 10172 - CAH	2310.000, 38750	8.48	1.69	39.8

Hardware Setup

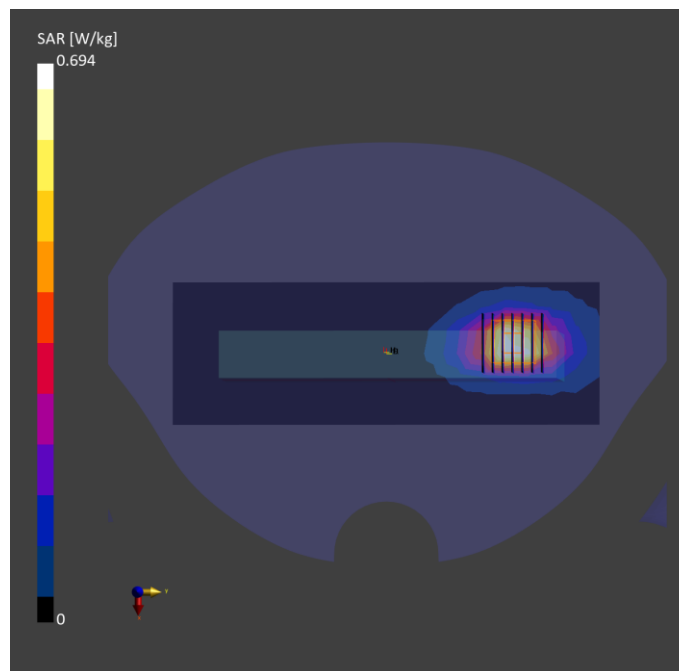
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.628	0.585
psSAR-10g [W/kg]	0.321	0.331
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.0
Dist 3dB Peak [mm]		10.0



Test Date : 2023-11-06 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

44_LTE Band 40_QPSK20M_Left Side_10mm_Ch38750_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 40	LTE-TDD, 10172 - CAH	2310.000, 38750	8.48	1.69	39.8

Hardware Setup

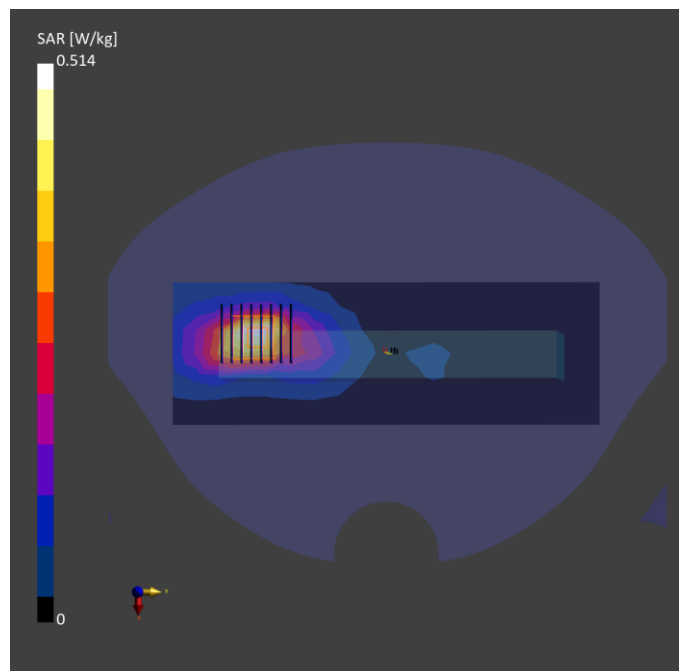
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.432	0.475
psSAR-10g [W/kg]	0.223	0.233
Power Drift [dB]		-0.09
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.9
Dist 3dB Peak [mm]		9.3



Test Date : 2023-11-06 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

45_LTE Band 40_QPSK20M_Left Side_10mm_Ch38750_1RB_Offset0_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 40	LTE-TDD, 10172 - CAH	2310.000, 38750	8.48	1.69	39.8

Hardware Setup

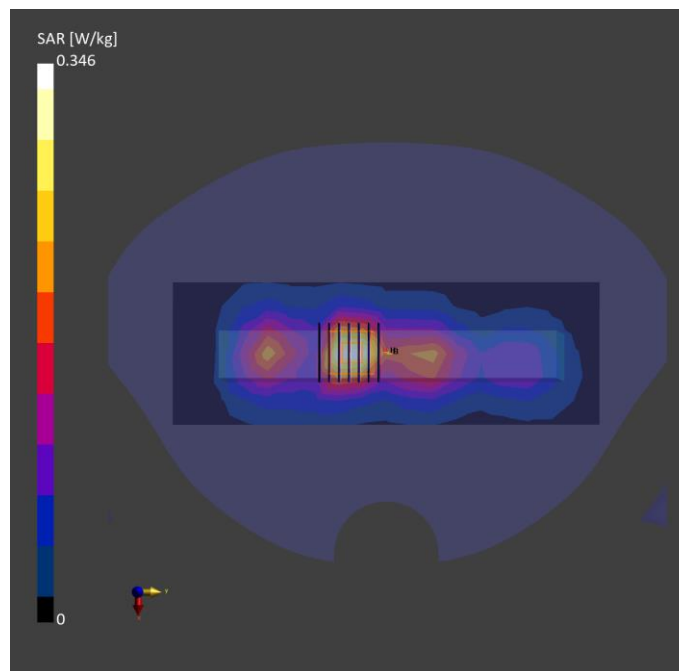
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.294	0.316
psSAR-10g [W/kg]	0.152	0.159
Power Drift [dB]		-0.10
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.7
Dist 3dB Peak [mm]		13.4



Test Date : 2023-11-06 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

46_LTE Band 40_QPSK20M_Right Side_10mm_Ch38750_1RB_Offset0_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 40	LTE-TDD, 10172 - CAH	2310.000, 38750	8.48	1.69	39.8

Hardware Setup

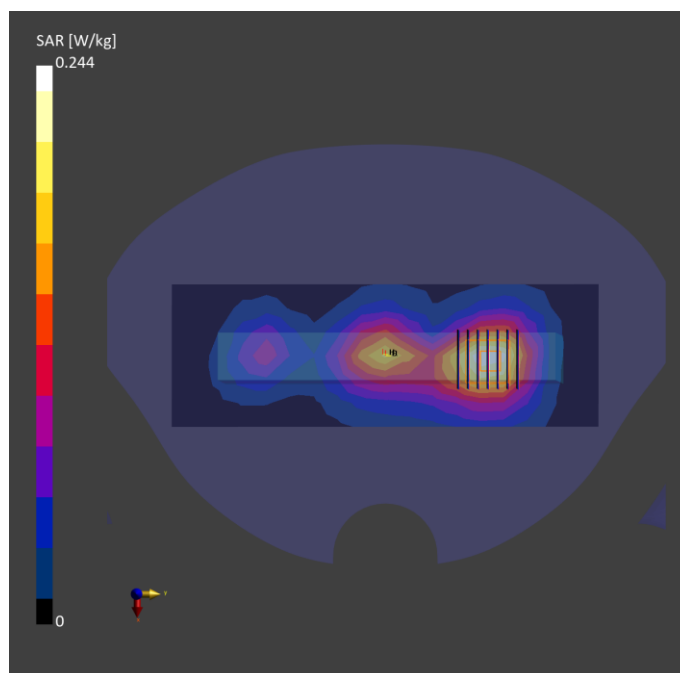
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.208	0.212
psSAR-10g [W/kg]	0.115	0.120
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.2
Dist 3dB Peak [mm]		17.9



Test Date : 2023-11-07 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

47_LTE Band 41_QPSK20M_Right Side_10mm_Ch40185_1RB_Offset0_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 41	LTE-TDD, 10172 - CAH	2549.500, 40185	8.04	1.87	39.5

Hardware Setup

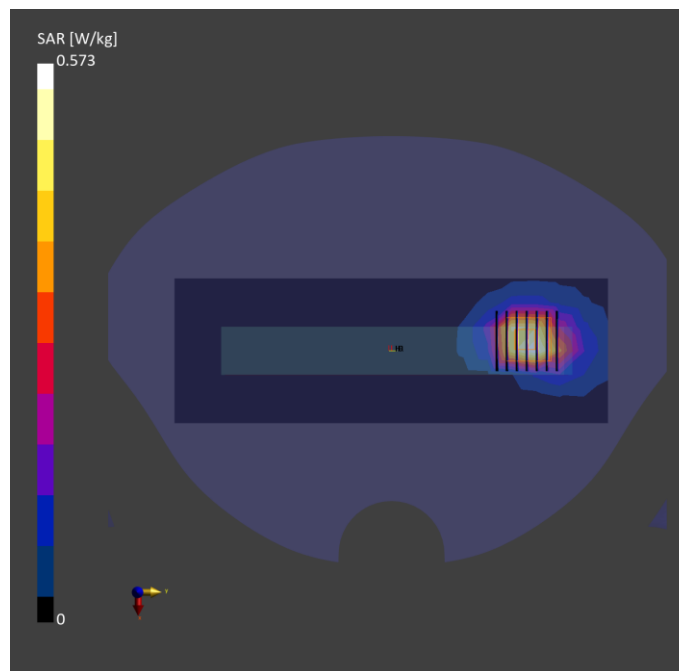
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.504	0.567
psSAR-10g [W/kg]	0.247	0.259
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.0
Dist 3dB Peak [mm]		9.1



Test Date : 2023-11-07 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

48_LTE Band 41_QPSK20M_Left Side_10mm_Ch40620_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 41	LTE-TDD, 10172 - CAH	2593.000, 40620	8.04	1.91	39.4

Hardware Setup

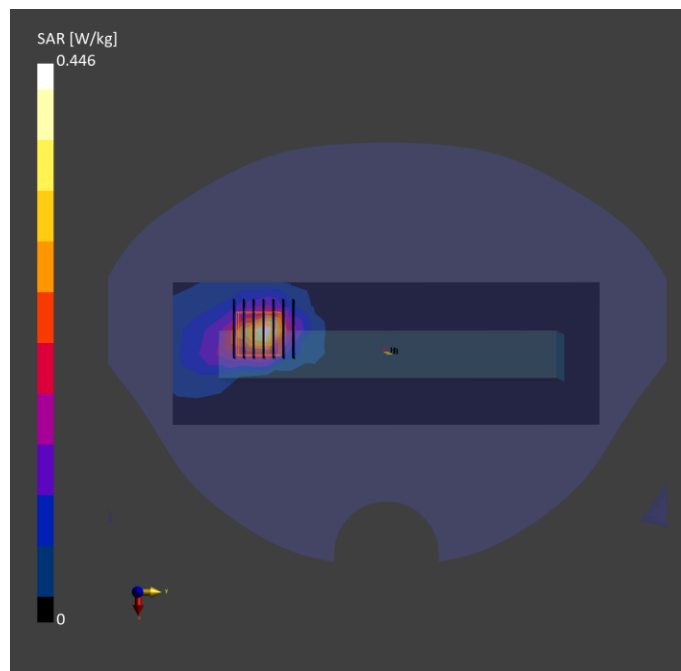
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.336	0.371
psSAR-10g [W/kg]	0.152	0.164
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		45.8
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-07 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

49_LTE Band 41_QPSK20M_Left Side_10mm_Ch40185_1RB_Offset0_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 41	LTE-TDD, 10172 - CAH	2549.500, 40185	8.04	1.87	39.5

Hardware Setup

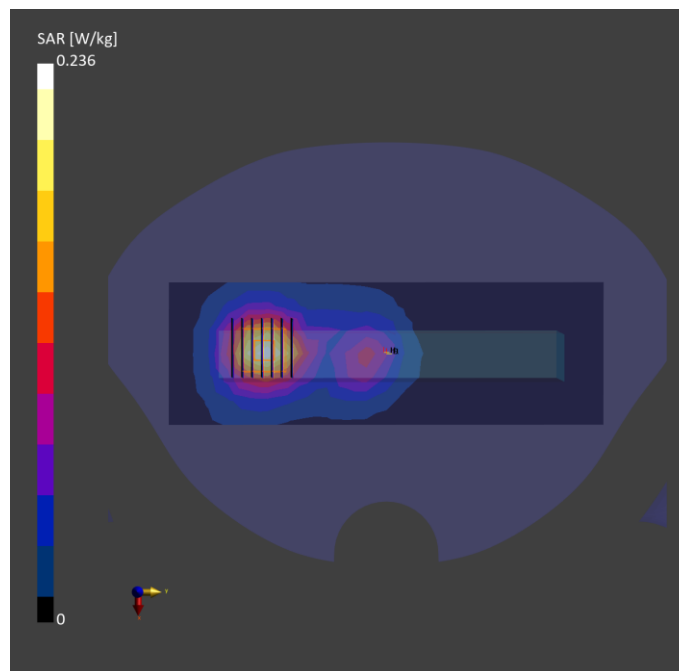
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 220.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.191	0.201
psSAR-10g [W/kg]	0.099	0.106
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.3
Dist 3dB Peak [mm]		14.6



Test Date : 2023-11-07 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

50_LTE Band 41_QPSK20M_Right Side_10mm_Ch40620_1RB_Offset0_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 41	LTE-TDD, 10172 - CAH	2593.000, 40620	8.04	1.91	39.4

Hardware Setup

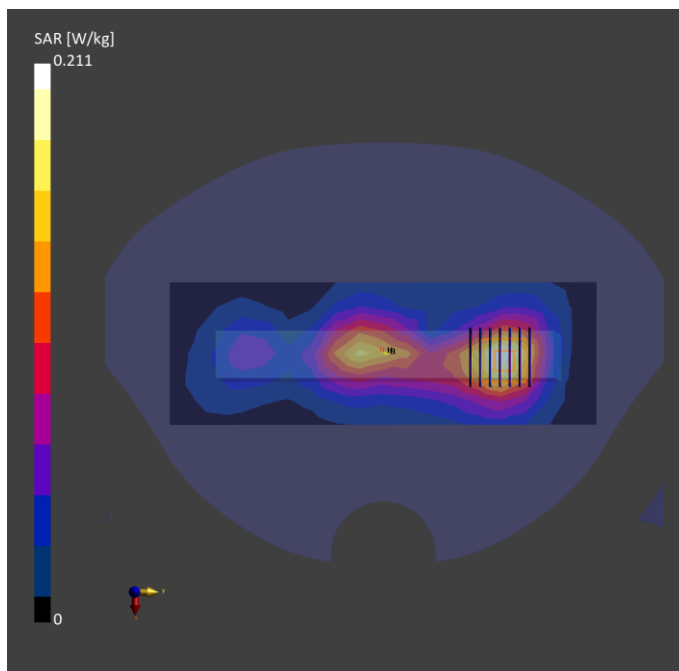
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.173	0.181
psSAR-10g [W/kg]	0.091	0.096
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.0
Dist 3dB Peak [mm]		16.3



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.4 °C

Test Mode

51_LTE Band 42_QPSK20M_Left Side_10mm_Ch43490_1RB_Offset0_Ant 4

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 42	LTE-TDD, 10172 - CAH	3590.000, 43490	6.87	2.81	39.3

Hardware Setup

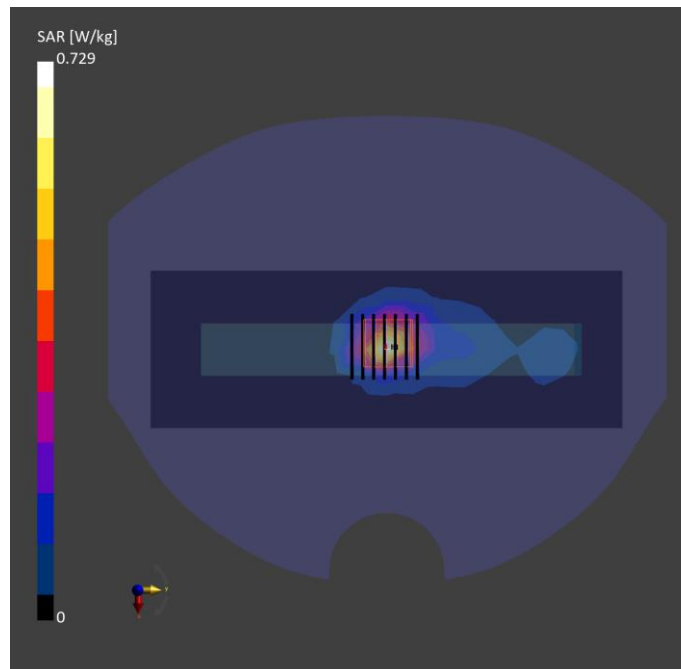
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.525	0.585
psSAR-10g [W/kg]	0.205	0.229
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.5
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.4 °C

Test Mode

52_LTE Band 42_QPSK20M_Right Side_10mm_Ch43490_1RB_Offset0_Ant 5

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 42	LTE-TDD, 10172 - CAH	3590.000, 43490	6.87	2.81	39.3

Hardware Setup

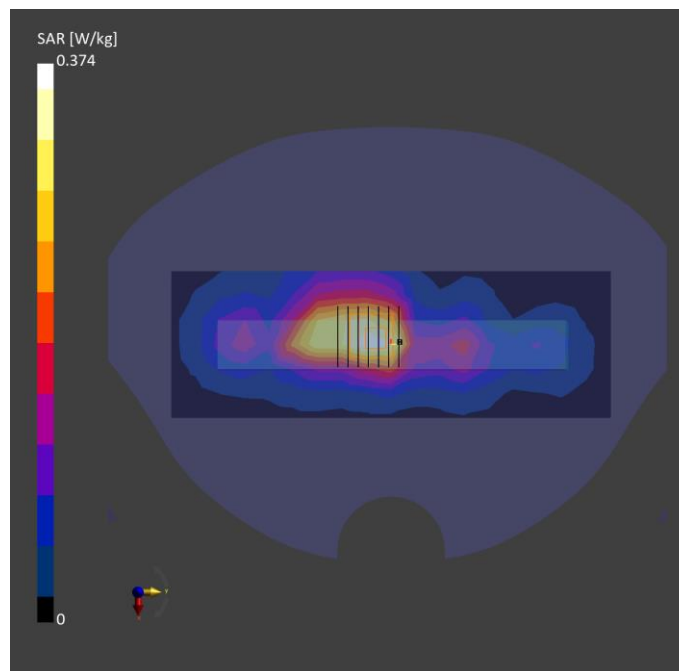
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.309	0.332
psSAR-10g [W/kg]	0.149	0.156
Power Drift [dB]		-0.07
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.5
Dist 3dB Peak [mm]		14.0



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.4 °C

Test Mode

53_LTE Band 42_QPSK20M_Left Side_10mm_Ch43490_1RB_Offset0_Ant 6

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 42	LTE-TDD, 10172 - CAH	3590.000, 43490	6.87	2.81	39.3

Hardware Setup

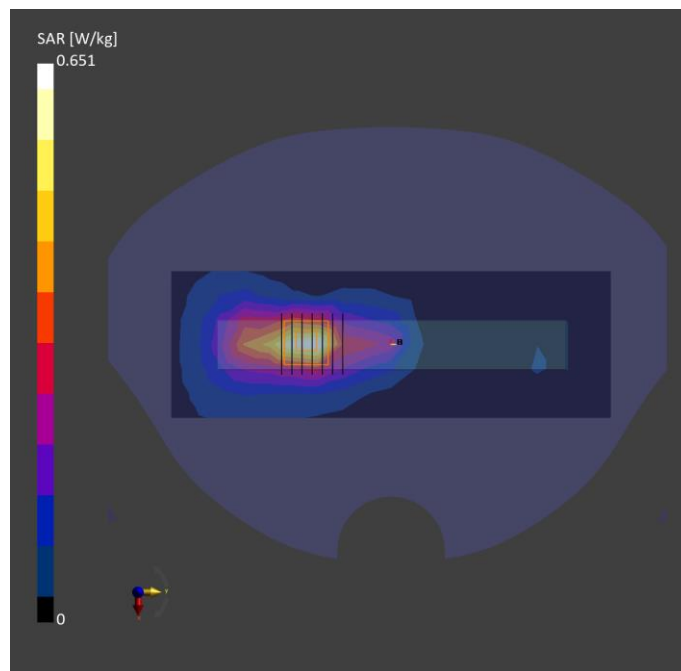
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.509	0.548
psSAR-10g [W/kg]	0.225	0.241
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.9
Dist 3dB Peak [mm]		10.5



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.4 °C

Test Mode

54_LTE Band 42_QPSK20M_Right Side_10mm_Ch43490_1RB_Offset0_Ant 7

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 42	LTE-TDD, 10172 - CAH	3590.000, 43490	6.87	2.81	39.3

Hardware Setup

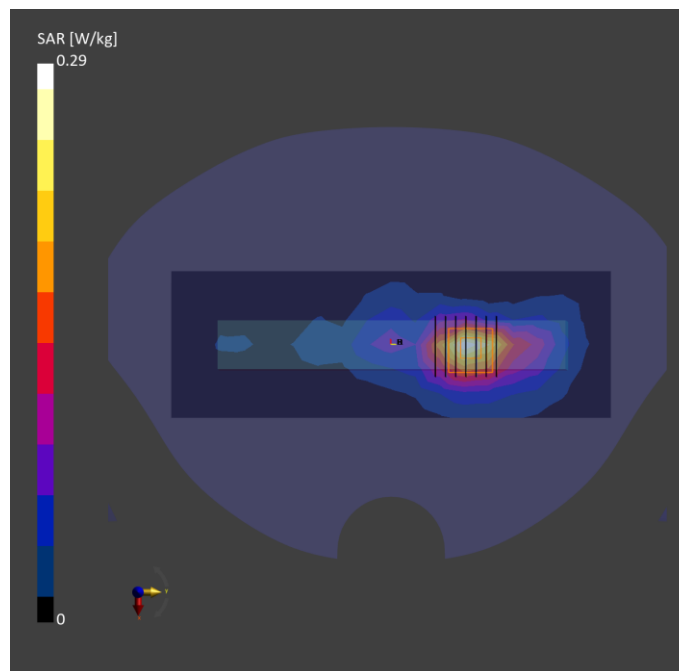
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.225	0.237
psSAR-10g [W/kg]	0.099	0.104
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.6
Dist 3dB Peak [mm]		9.9



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.2 °C

Test Mode

55_LTE Band 43_QPSK20M_Left Side_10mm_Ch44190_1RB_Offset0_Ant 4

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 43	LTE-TDD, 10172 - CAH	3660.000, 44190	6.8	2.84	39.2

Hardware Setup

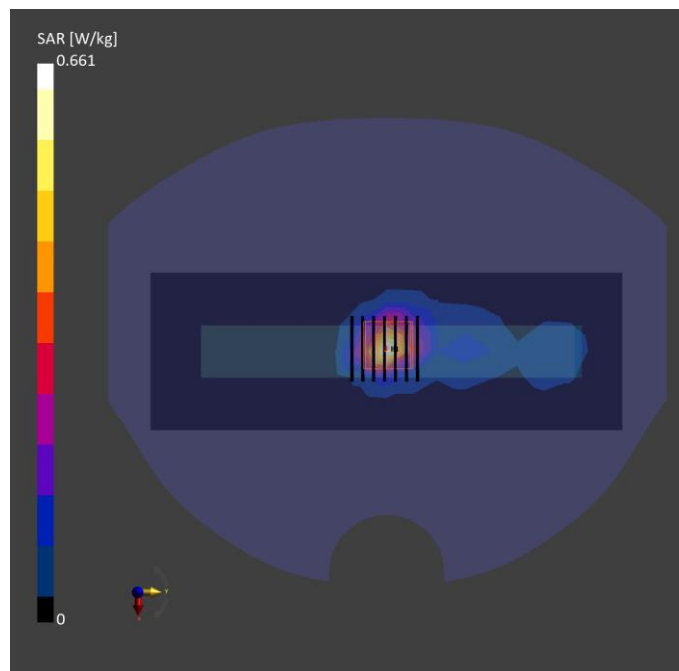
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.470	0.514
psSAR-10g [W/kg]	0.178	0.197
Power Drift [dB]		-0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.8
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.2 °C

Test Mode

56_LTE Band 43_QPSK20M_Right Side_10mm_Ch44190_1RB_Offset0_Ant 5

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 43	LTE-TDD, 10172 - CAH	3660.000, 44190	6.8	2.84	39.2

Hardware Setup

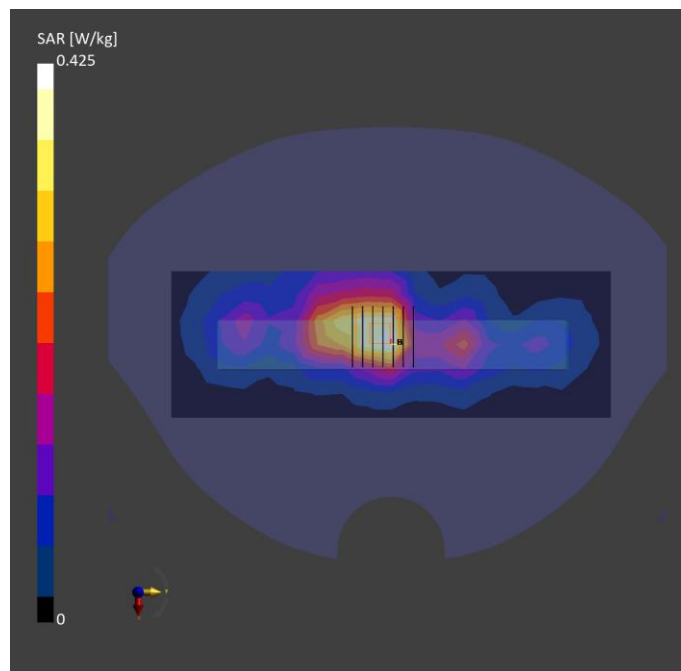
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.355	0.391
psSAR-10g [W/kg]	0.168	0.178
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.4
Dist 3dB Peak [mm]		13.0



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.2 °C

Test Mode

57_LTE Band 43_QPSK20M_Left Side_10mm_Ch44190_1RB_Offset0_Ant 6

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 43	LTE-TDD, 10172 - CAH	3660.000, 44190	6.8	2.84	39.2

Hardware Setup

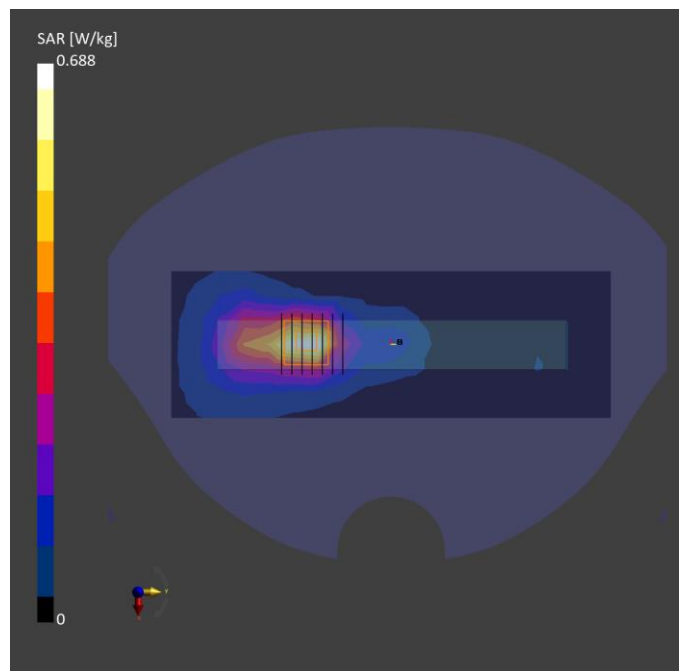
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.544	0.587
psSAR-10g [W/kg]	0.237	0.254
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.1
Dist 3dB Peak [mm]		10.5



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.2 °C

Test Mode

58_LTE Band 43_QPSK20M_Right Side_10mm_Ch44190_1RB_Offset0_Ant 7

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 43	LTE-TDD, 10172 - CAH	3660.000, 44190	6.8	2.84	39.2

Hardware Setup

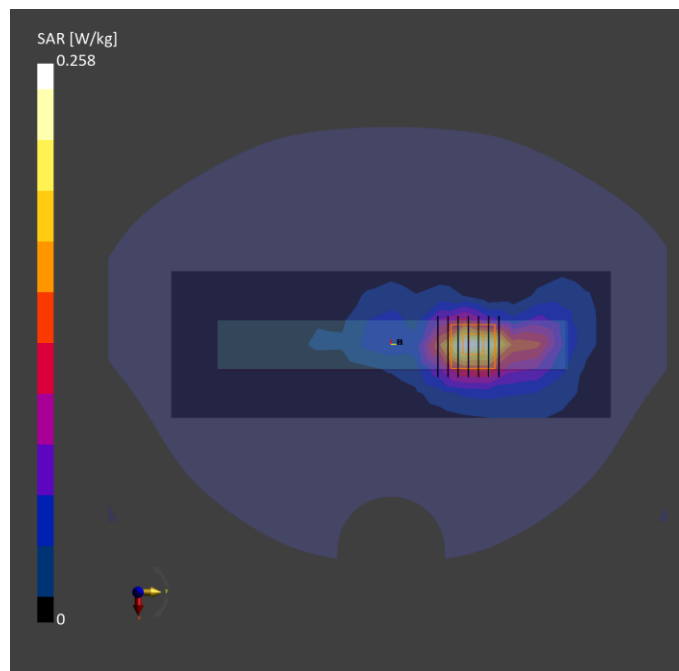
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.201	0.213
psSAR-10g [W/kg]	0.087	0.091
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.8
Dist 3dB Peak [mm]		10.3



Test Date : 2023-11-22 | Ambient Temp : 22.1 °C | Tissue Temp : 21.5 °C

Test Mode

59_LTE Band 48_QPSK20M_Left Side_10mm_Ch55340_1RB_Offset0_Ant 4

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 48	LTE-TDD, 10172 - CAH	3560.000, 55340	6.87	2.77	39.3

Hardware Setup

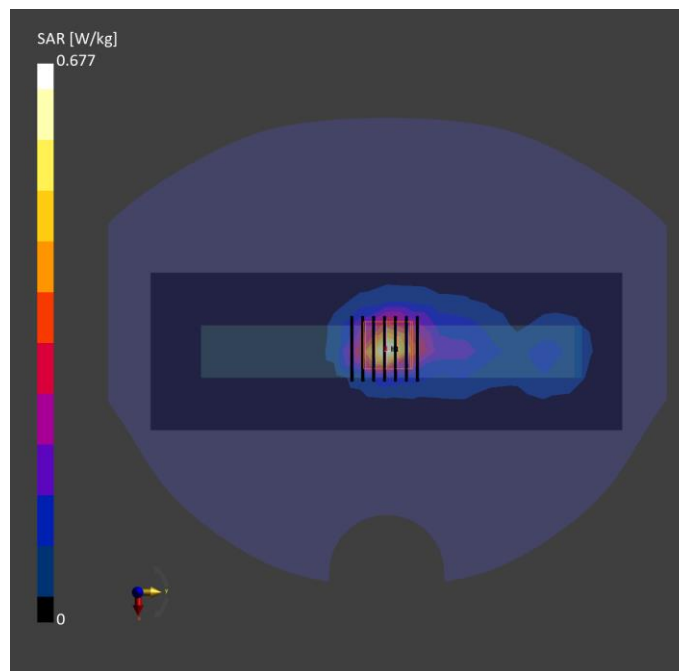
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.491	0.541
psSAR-10g [W/kg]	0.196	0.216
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.8
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-22 | Ambient Temp : 22.1 °C | Tissue Temp : 21.5 °C

Test Mode

60_LTE Band 48_QPSK20M_Right Side_10mm_Ch56207_1RB_Offset0_Ant 5

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 48	LTE-TDD, 10172 - CAH	3646.700, 56207	6.8	2.84	39.1

Hardware Setup

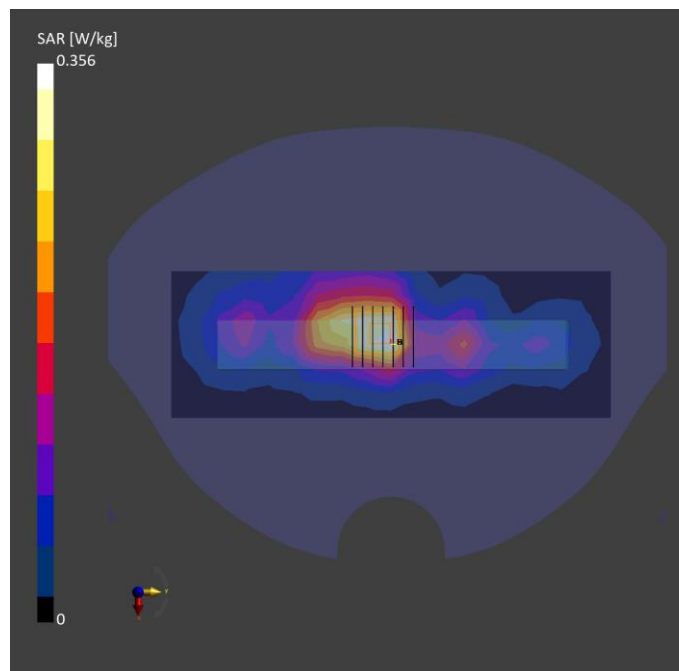
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.298	0.332
psSAR-10g [W/kg]	0.142	0.151
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.8
Dist 3dB Peak [mm]		13.0



Test Date : 2023-11-22 | Ambient Temp : 22.1 °C | Tissue Temp : 21.5 °C

Test Mode

61_LTE Band 48_QPSK20M_Left Side_10mm_Ch56207_1RB_Offset0_Ant 6

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 48	LTE-TDD, 10172 - CAH	3646.700, 56207	6.8	2.84	39.1

Hardware Setup

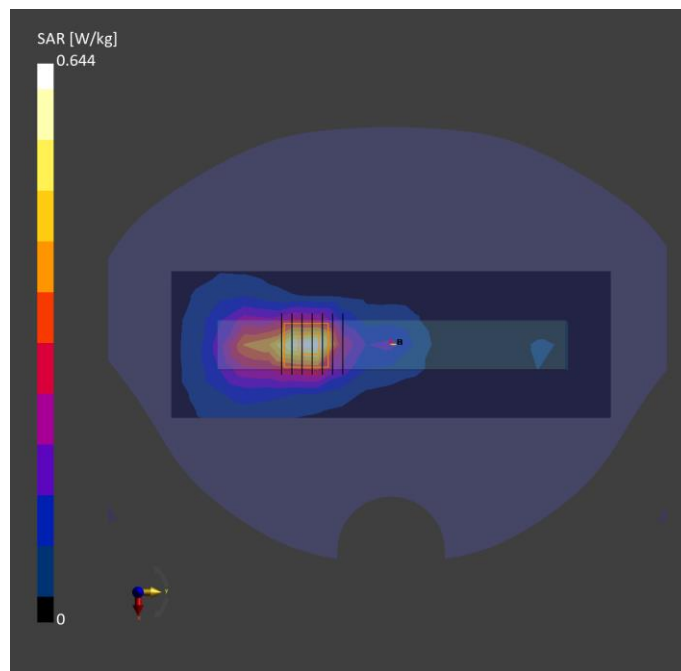
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.503	0.527
psSAR-10g [W/kg]	0.218	0.230
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.8
Dist 3dB Peak [mm]		11.1



Test Date : 2023-11-22 | Ambient Temp : 22.1 °C | Tissue Temp : 21.5 °C

Test Mode

62_LTE Band 48_QPSK20M_Right Side_10mm_Ch55340_1RB_Offset0_Ant 7

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 48	LTE-TDD, 10172 - CAH	3560.000, 55340	6.87	2.77	39.3

Hardware Setup

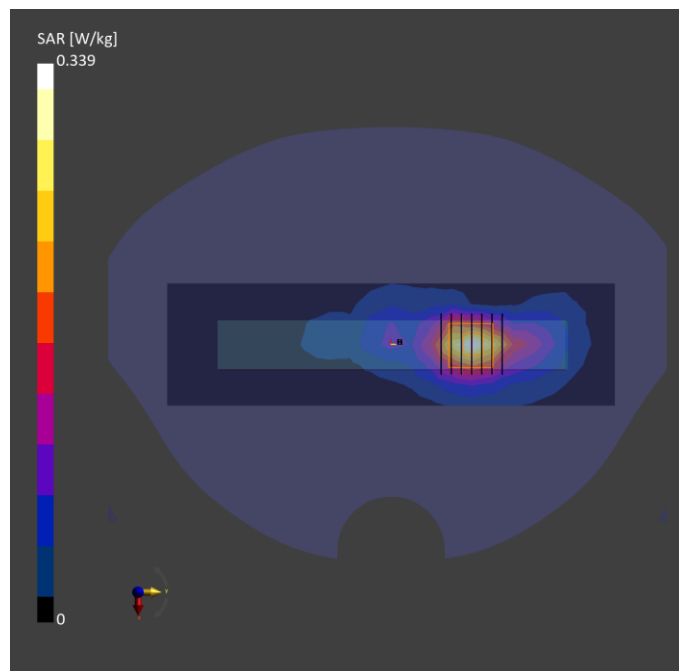
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 220.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.256	0.261
psSAR-10g [W/kg]	0.112	0.113
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.5
Dist 3dB Peak [mm]		10.2



Test Date : 2023-11-08 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

63_LTE Band 66_QPSK20M_Right Side_10mm_Ch132322_1RB_Offset0_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 66	LTE-FDD, 10169 - CAF	1745.000, 132322	8.96	1.31	40.7

Hardware Setup

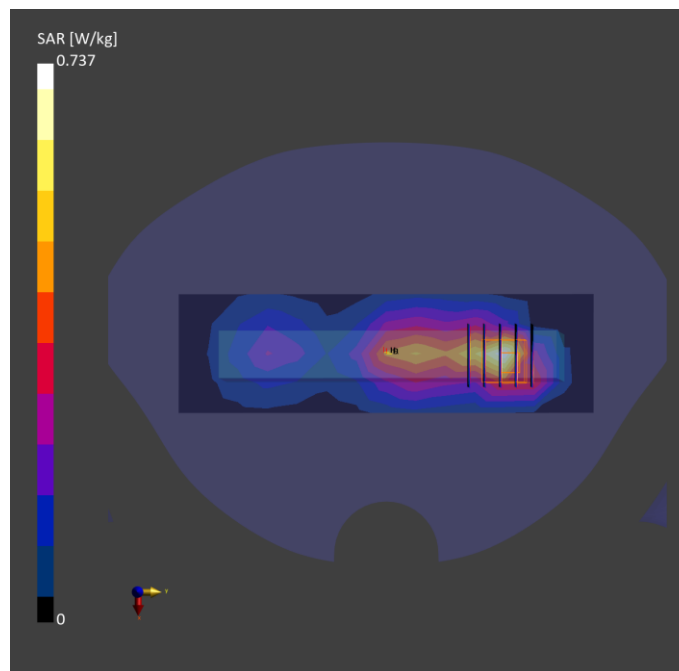
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.604	0.574
psSAR-10g [W/kg]	0.320	0.337
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.3
Dist 3dB Peak [mm]		10.2



Test Date : 2023-11-08 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

64_LTE Band 66_QPSK20M_Left Side_10mm_Ch132072_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 66	LTE-FDD, 10169 - CAF	1720.000, 132072	8.96	1.30	40.7

Hardware Setup

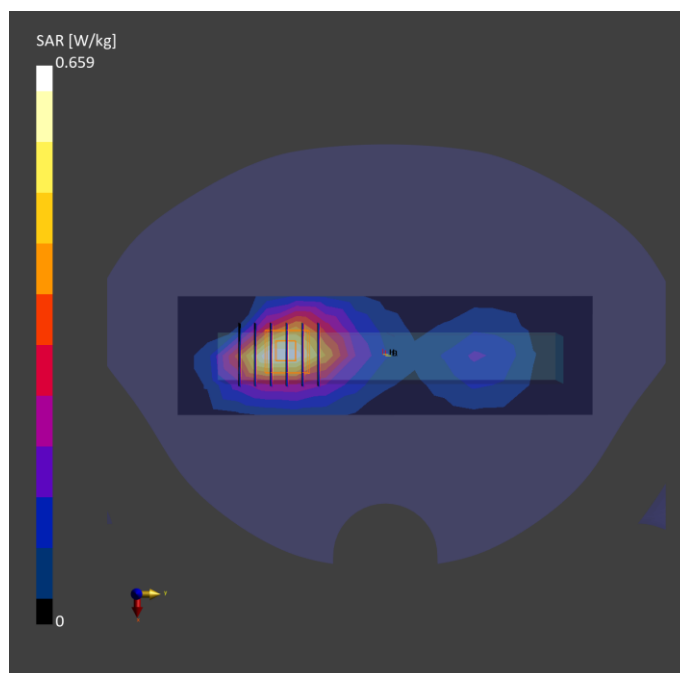
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.589	0.523
psSAR-10g [W/kg]	0.335	0.348
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.0
Dist 3dB Peak [mm]		13.7



Test Date : 2023-11-08 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

65_LTE Band 66_QPSK20M_Left Side_10mm_Ch132322_1RB_Offset0_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 66	LTE-FDD, 10169 - CAF	1745.000, 132322	8.96	1.31	40.7

Hardware Setup

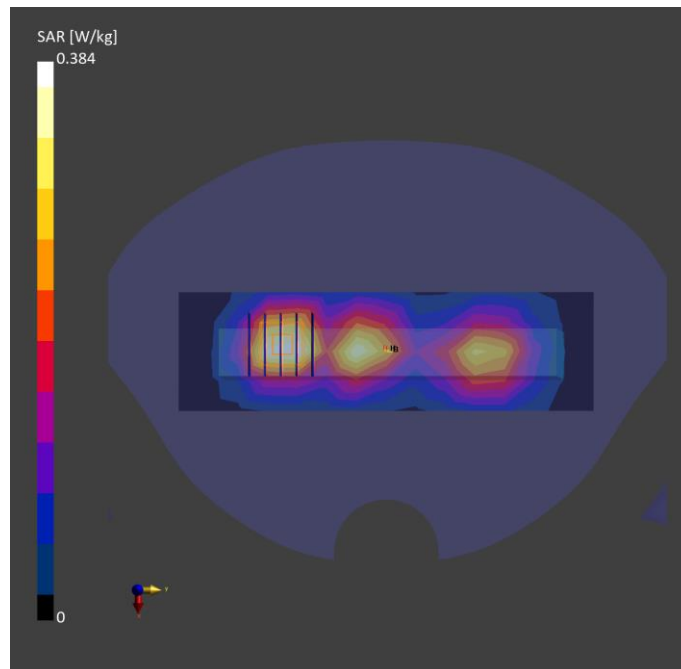
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.355	0.397
psSAR-10g [W/kg]	0.202	0.226
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.4
Dist 3dB Peak [mm]		15.2



Test Date : 2023-11-08 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

66_LTE Band 66_QPSK20M_Right Side_10mm_Ch132572_1RB_Offset0_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 66	LTE-FDD, 10169 - CAF	1770.000, 132572	8.96	1.33	40.6

Hardware Setup

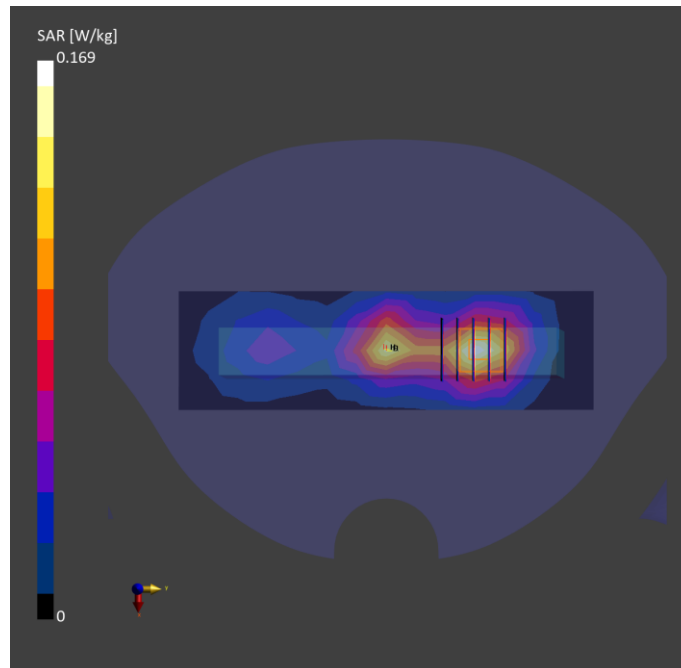
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.141	0.147
psSAR-10g [W/kg]	0.078	0.087
Power Drift [dB]		0.12
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.4
Dist 3dB Peak [mm]		15.8



Test Date : 2023-10-31 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

67_LTE Band 71_QPSK20M_Bottom Side_10mm_Ch133222_1RB_Offset0_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 71	LTE-FDD, 10169 - CAF	673.000, 133222	9.1	0.872	43.3

Hardware Setup

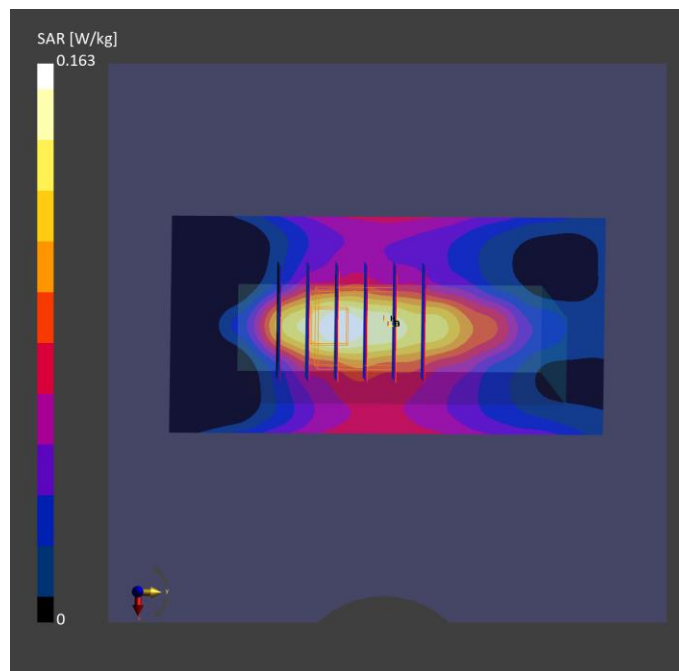
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2102	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.126	0.113
psSAR-10g [W/kg]	0.076	0.072
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.4
Dist 3dB Peak [mm]		13.7



Test Date : 2023-10-31 | Ambient Temp : 22.4 °C | Tissue Temp : 22.0 °C

Test Mode

68_LTE Band 71_QPSK20M_Bottom Side_10mm_Ch133322_1RB_Offset0_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 71	LTE-FDD, 10169 - CAF	683.000, 133322	10.63	0.846	40.1

Hardware Setup

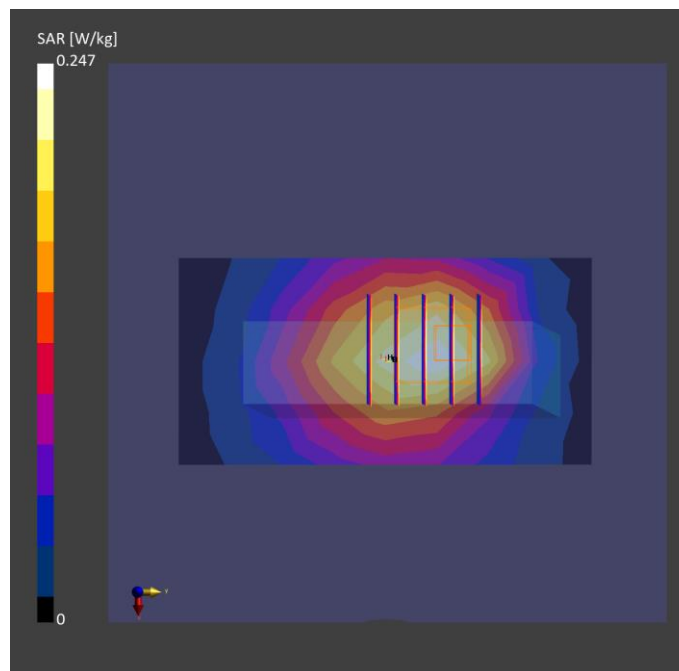
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.225	0.248
psSAR-10g [W/kg]	0.151	0.156
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.1
Dist 3dB Peak [mm]		14.4



Test Date : 2023-11-09 | Ambient Temp : 22.1 °C | Tissue Temp : 21.7 °C

Test Mode

69_NR Band n5_DFT-S QPSK20M_Right Side_10mm_Ch167800_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n5	5G NR FR1 FDD, 10931 - AAC	839.000, 167800	10.38	0.887	42.4

Hardware Setup

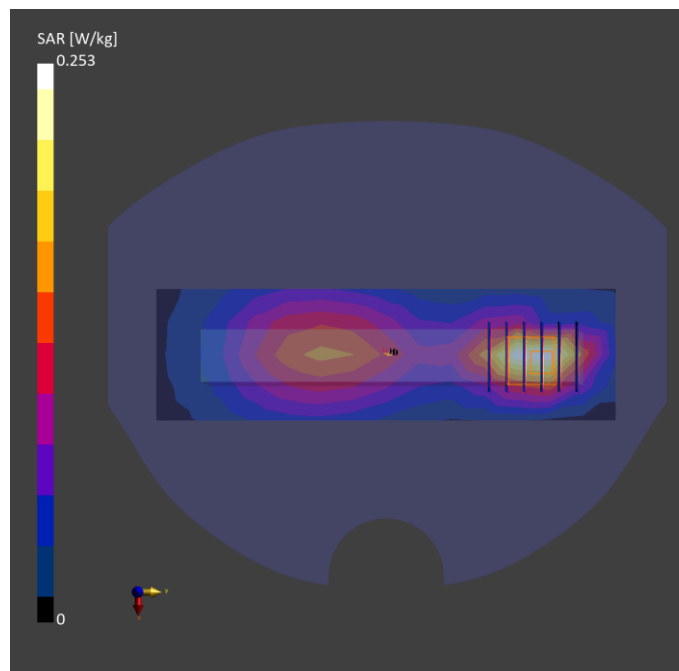
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.230	0.237
psSAR-10g [W/kg]	0.139	0.129
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.1
Dist 3dB Peak [mm]		9.6



Test Date : 2023-11-09 | Ambient Temp : 22.1 °C | Tissue Temp : 21.7 °C

Test Mode

70_NR Band n5_DFT-S QPSK20M_Left Side_10mm_Ch166800_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n5	5G NR FR1 FDD, 10931 - AAC	834.000, 166800	10.38	0.885	42.4

Hardware Setup

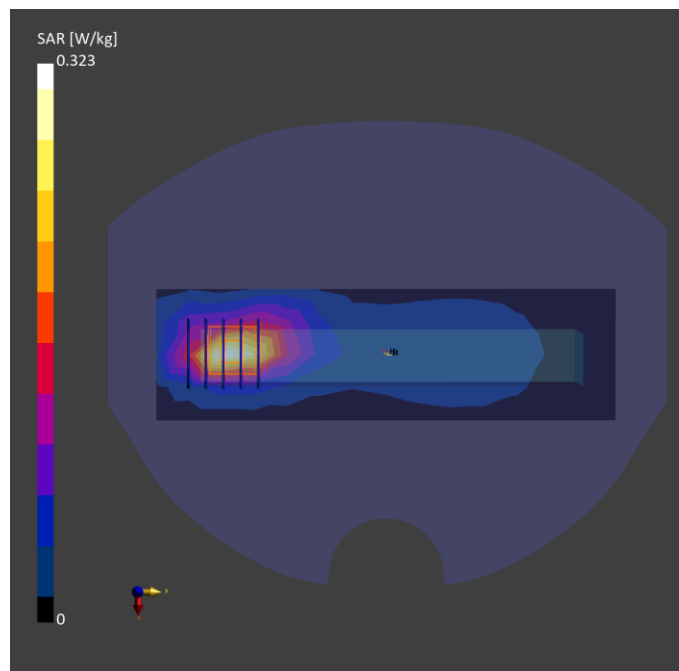
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.273	0.273
psSAR-10g [W/kg]	0.157	0.148
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		52.4
Dist 3dB Peak [mm]		10.8



Test Date : 2023-10-24 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

71_NR Band n7_DFT-S QPSK20M_Right Side_10mm_Ch502000_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n7	5G NR FR1 FDD, 10931 - AAC	2510.000, 502000	8.04	1.90	40.4

Hardware Setup

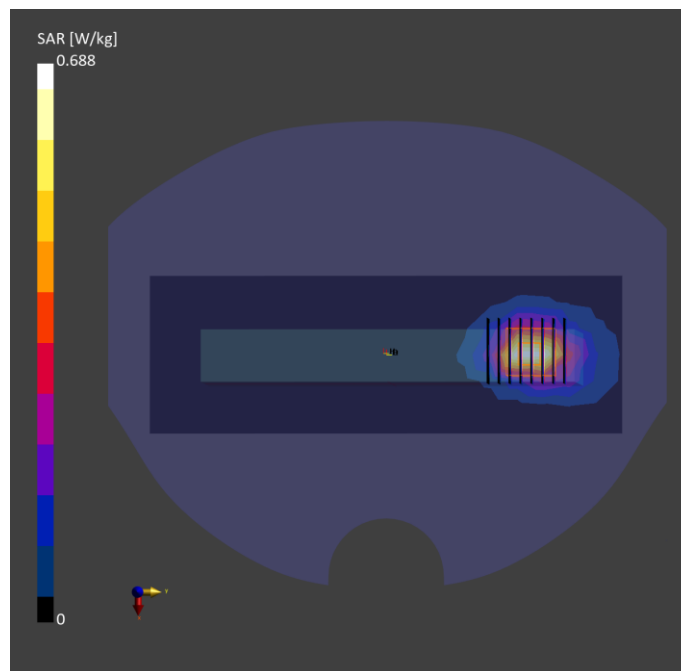
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.557	0.583
psSAR-10g [W/kg]	0.256	0.267
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.5
Dist 3dB Peak [mm]		9.1



Test Date : 2023-10-24 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

72_NR Band n7_DFT-S QPSK20M_Left Side_10mm_Ch502000_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n7	5G NR FR1 FDD, 10931 - AAC	2510.000, 502000	8.04	1.90	40.4

Hardware Setup

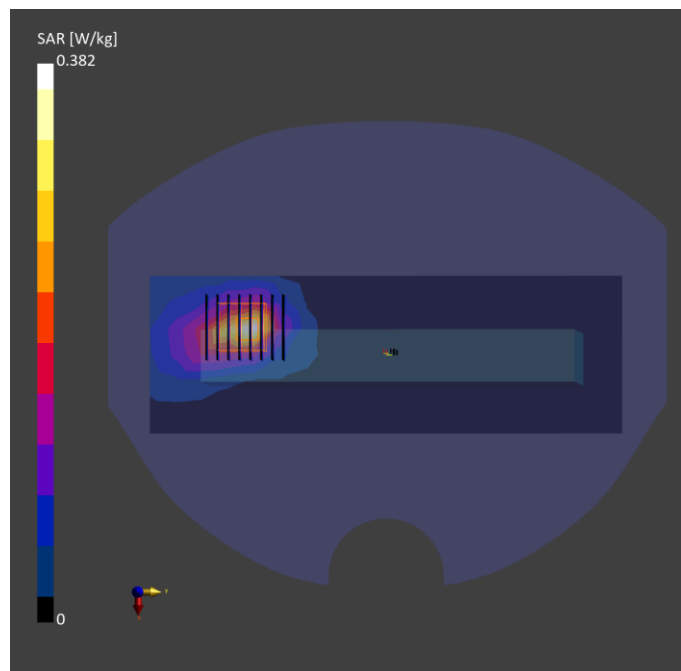
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.286	0.301
psSAR-10g [W/kg]	0.132	0.140
Power Drift [dB]		-0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		47.1
Dist 3dB Peak [mm]		9.9



Test Date : 2023-10-24 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

73_NR Band n7_DFT-S QPSK20M_Left Side_10mm_Ch502000_1RB_Offset1_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n7	5G NR FR1 FDD, 10931 - AAC	2510.000, 502000	8.04	1.90	40.4

Hardware Setup

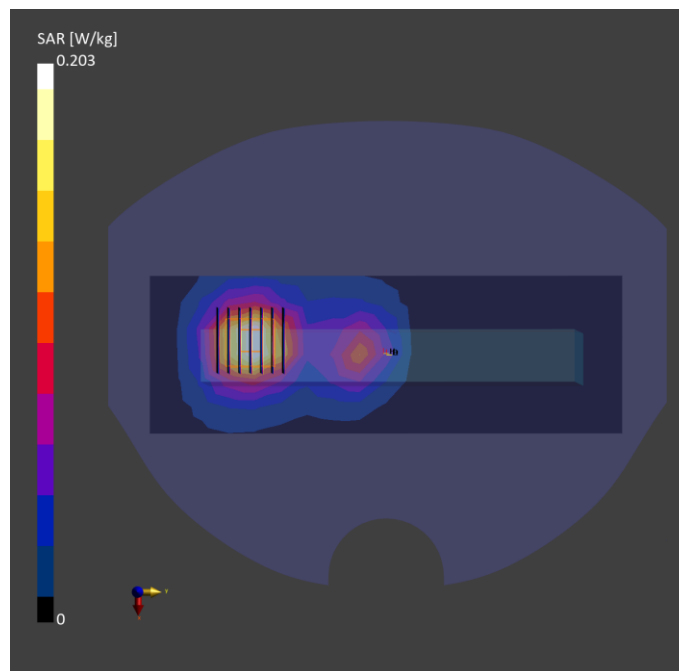
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.176	0.188
psSAR-10g [W/kg]	0.092	0.099
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		52.8
Dist 3dB Peak [mm]		14.6



Test Date : 2023-10-24 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

74_NR Band n7_DFT-S QPSK20M_Right Side_10mm_Ch507000_1RB_Offset1_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n7	5G NR FR1 FDD, 10931 - AAC	2535.000, 507000	8.04	1.92	40.3

Hardware Setup

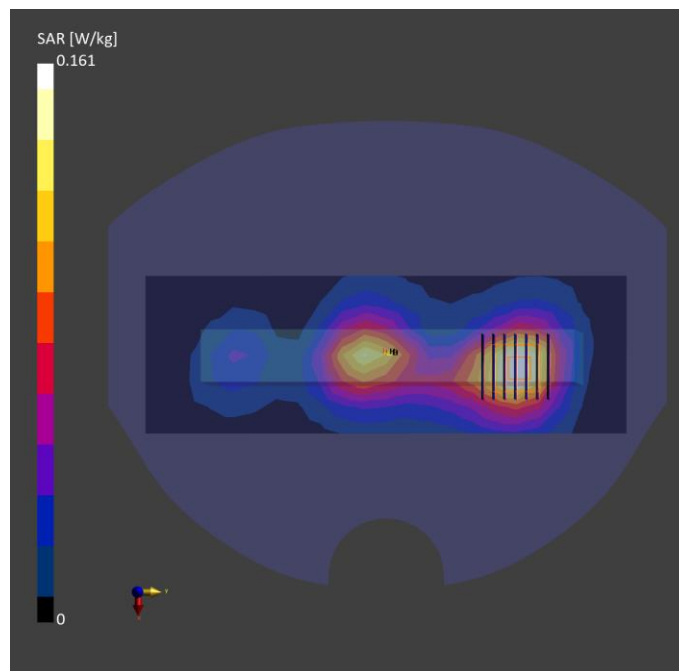
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 220.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.139	0.145
psSAR-10g [W/kg]	0.074	0.078
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		52.4
Dist 3dB Peak [mm]		15.9



Test Date : 2023-11-10 | Ambient Temp : 22.0 °C | Tissue Temp : 21.6 °C

Test Mode

75_NR Band n12_DFT-S QPSK15M_Bottom Side_10mm_Ch141500_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n12	5G NR FR1 FDD, 10930 - AAC	707.500, 141500	10.63	0.839	42.8

Hardware Setup

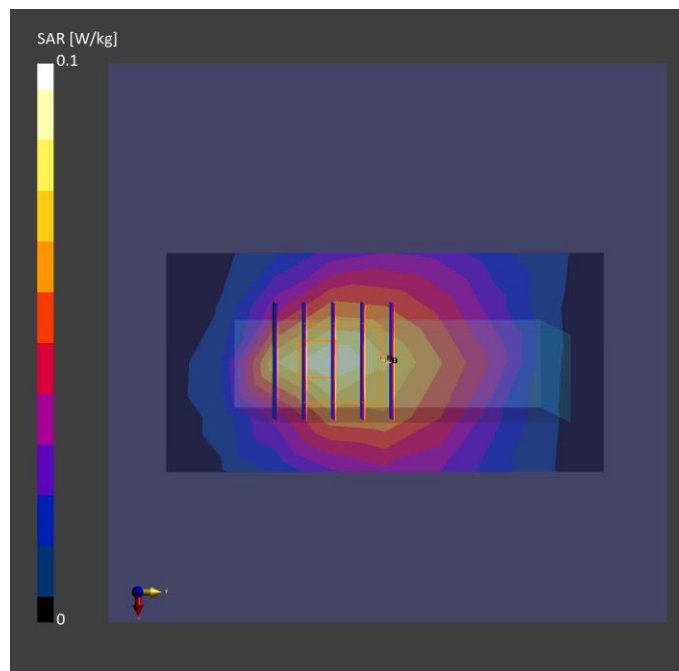
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.087	0.089
psSAR-10g [W/kg]	0.057	0.057
Power Drift [dB]		-0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		53.4
Dist 3dB Peak [mm]		13.8



Test Date : 2023-11-10 | Ambient Temp : 22.0 °C | Tissue Temp : 21.6 °C

Test Mode

76_NR Band n12_DFT-S QPSK15M_Bottom Side_10mm_Ch141300_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n12	5G NR FR1 FDD, 10930 - AAC	706.500, 141300	10.63	0.838	42.8

Hardware Setup

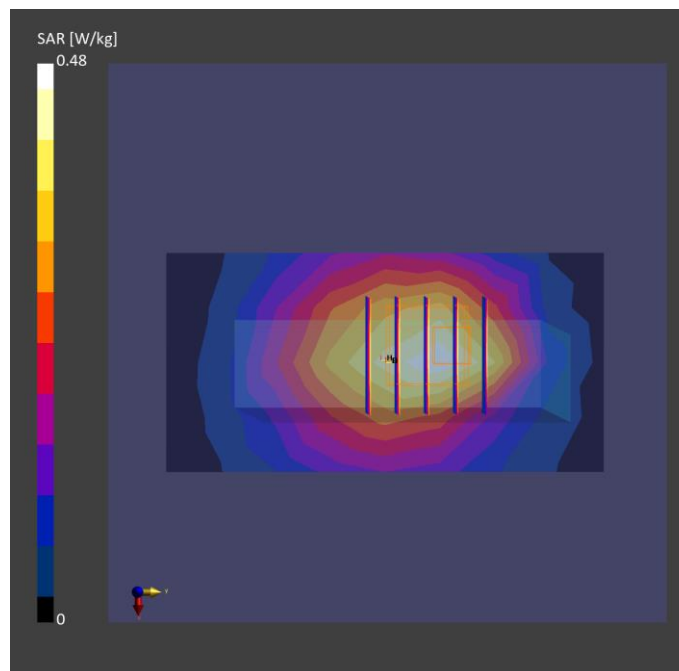
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.445	0.479
psSAR-10g [W/kg]	0.295	0.302
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.2
Dist 3dB Peak [mm]		12.9



Test Date : 2023-11-10 | Ambient Temp : 22.0 °C | Tissue Temp : 21.6 °C

Test Mode

77_NR Band n13_DFT-S QPSK10M_Bottom Side_10mm_Ch156400_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n13	5G NR FR1 FDD, 10929 - AAD	782.000, 156400	10.63	0.866	42.6

Hardware Setup

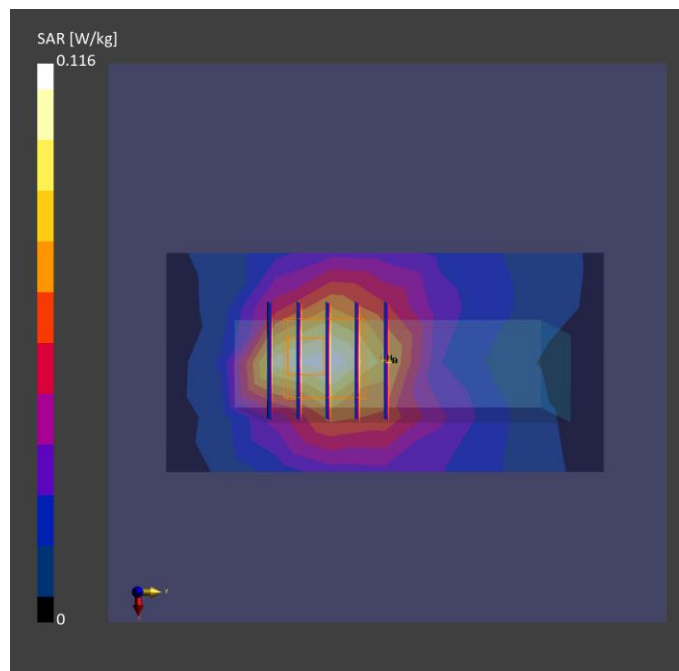
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.105	0.112
psSAR-10g [W/kg]	0.068	0.067
Power Drift [dB]		-0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.8
Dist 3dB Peak [mm]		11.6



Test Date : 2023-11-10 | Ambient Temp : 22.0 °C | Tissue Temp : 21.6 °C

Test Mode

78_NR Band n13_DFT-S QPSK10M_Left Side_10mm_Ch156400_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n13	5G NR FR1 FDD, 10929 - AAD	782.000, 156400	10.63	0.866	42.6

Hardware Setup

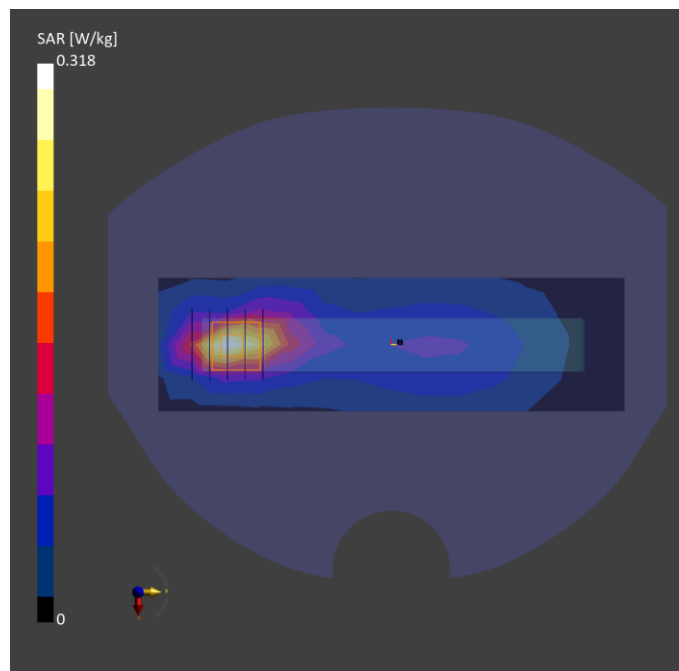
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.266	0.262
psSAR-10g [W/kg]	0.152	0.139
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.9
Dist 3dB Peak [mm]		9.6



Test Date : 2023-11-10 | Ambient Temp : 22.0 °C | Tissue Temp : 21.6 °C

Test Mode

79_NR Band n14_DFT-S QPSK10M_Bottom Side_10mm_Ch158600_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n14	5G NR FR1 FDD, 10929 - AAD	793.000, 158600	10.63	0.869	42.6

Hardware Setup

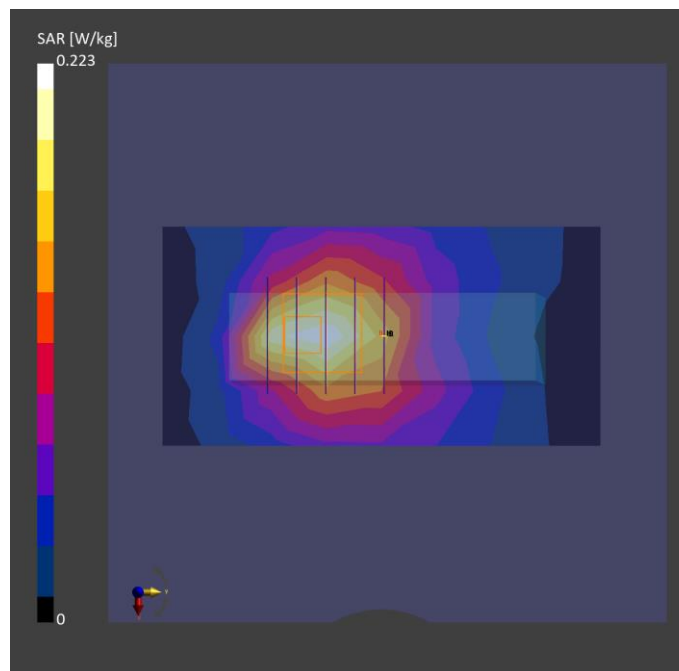
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.203	0.214
psSAR-10g [W/kg]	0.130	0.131
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		52.1
Dist 3dB Peak [mm]		12.9



Test Date : 2023-11-10 | Ambient Temp : 22.0 °C | Tissue Temp : 21.6 °C

Test Mode

80_NR Band n14_DFT-S QPSK10M_Left Side_10mm_Ch158600_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n14	5G NR FR1 FDD, 10929 - AAD	793.000, 158600	10.63	0.869	42.6

Hardware Setup

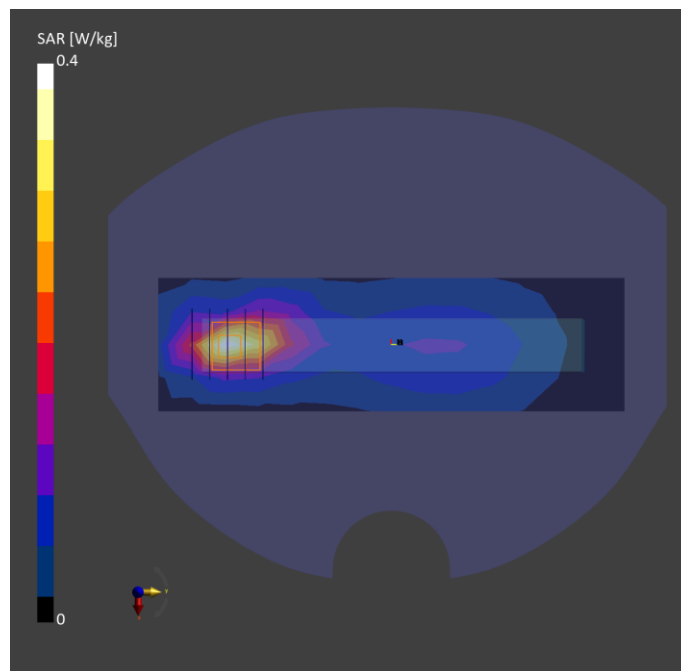
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.334	0.325
psSAR-10g [W/kg]	0.189	0.171
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.7
Dist 3dB Peak [mm]		9.6



Test Date : 2023-11-16 | Ambient Temp : 22.2 °C | Tissue Temp : 22.0 °C

Test Mode

81_NR Band n25_DFT-S QPSK20M_Right Side_10mm_Ch376500_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n25	5G NR FR1 FDD, 10931 - AAC	1882.500, 376500	8.64	1.44	42.1

Hardware Setup

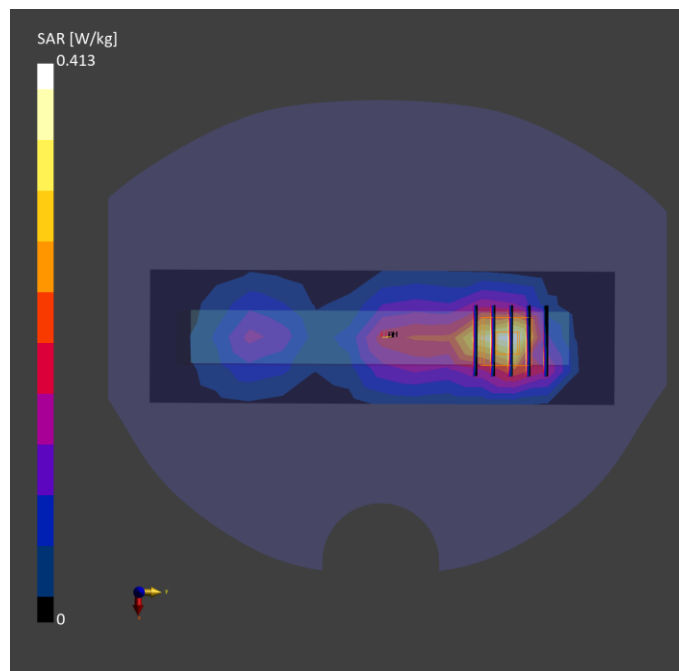
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.342	0.359
psSAR-10g [W/kg]	0.185	0.197
Power Drift [dB]		0.09
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.1
Dist 3dB Peak [mm]		12.9



Test Date : 2023-11-16 | Ambient Temp : 22.2 °C | Tissue Temp : 22.0 °C

Test Mode

82_NR Band n25_DFT-S QPSK20M_Left Side_10mm_Ch372000_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n25	5G NR FR1 FDD, 10931 - AAC	1860.000, 372000	8.64	1.43	42.1

Hardware Setup

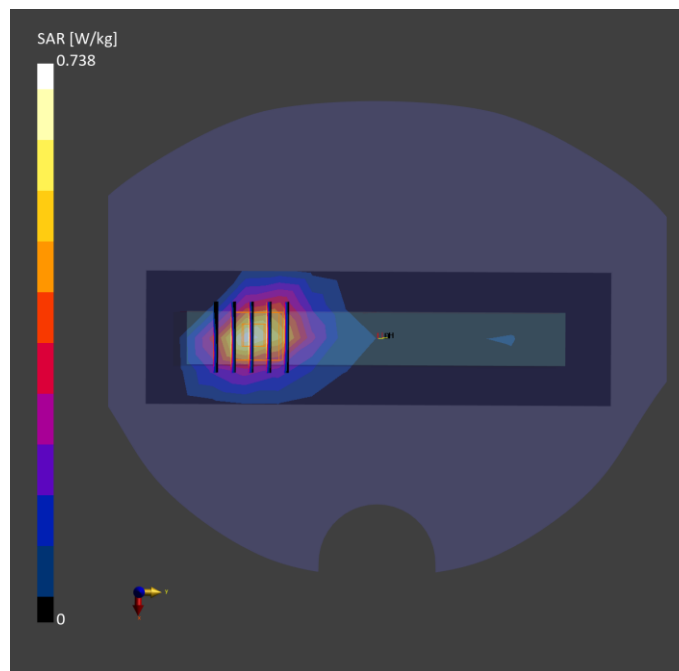
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.600	0.566
psSAR-10g [W/kg]	0.322	0.339
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.9
Dist 3dB Peak [mm]		12.5



Test Date : 2023-11-16 | Ambient Temp : 22.2 °C | Tissue Temp : 22.0 °C

Test Mode

83_NR Band n25_DFT-S QPSK20M_Left Side_10mm_Ch376500_1RB_Offset1_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n25	5G NR FR1 FDD, 10931 - AAC	1882.500, 376500	8.64	1.44	42.1

Hardware Setup

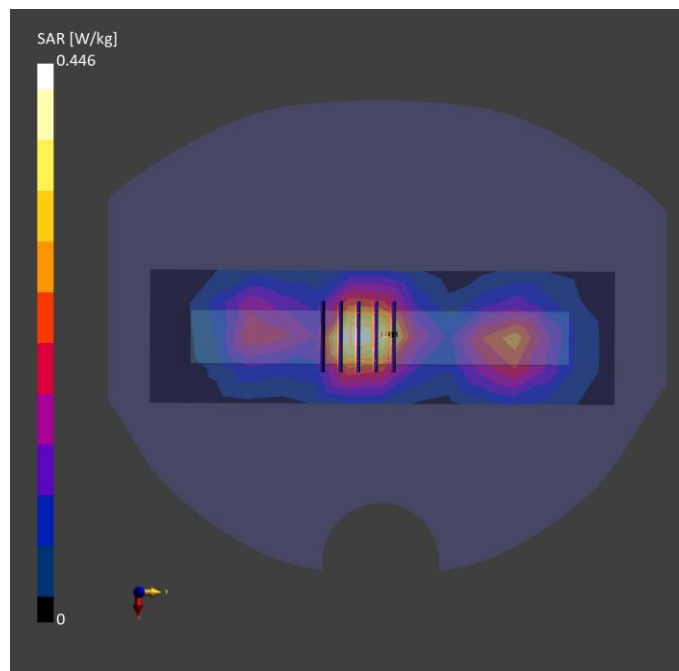
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.380	0.404
psSAR-10g [W/kg]	0.212	0.233
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.8
Dist 3dB Peak [mm]		16.1



Test Date : 2023-11-16 | Ambient Temp : 22.2 °C | Tissue Temp : 22.0 °C

Test Mode

84_NR Band n25_DFT-S QPSK20M_Right Side_10mm_Ch376500_1RB_Offset1_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n25	5G NR FR1 FDD, 10931 - AAC	1882.500, 376500	8.64	1.44	42.1

Hardware Setup

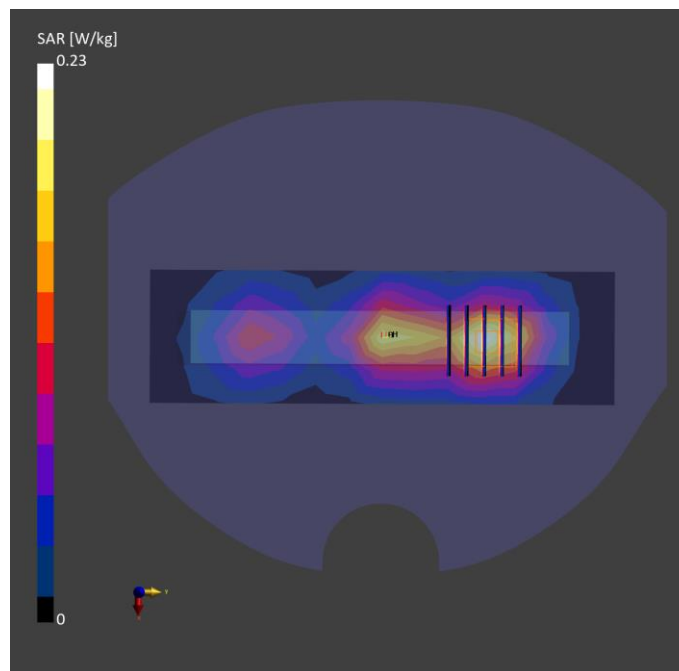
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.188	0.200
psSAR-10g [W/kg]	0.105	0.117
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.1
Dist 3dB Peak [mm]		15.2



Test Date : 2023-11-17 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °C

Test Mode

85_NR Band n30_DFT-S QPSK10M_Right Side_10mm_Ch462000_25RB_Offset14_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n30	5G NR FR1 FDD, 10937 - AAD	2310.000, 462000	8.48	1.73	41.5

Hardware Setup

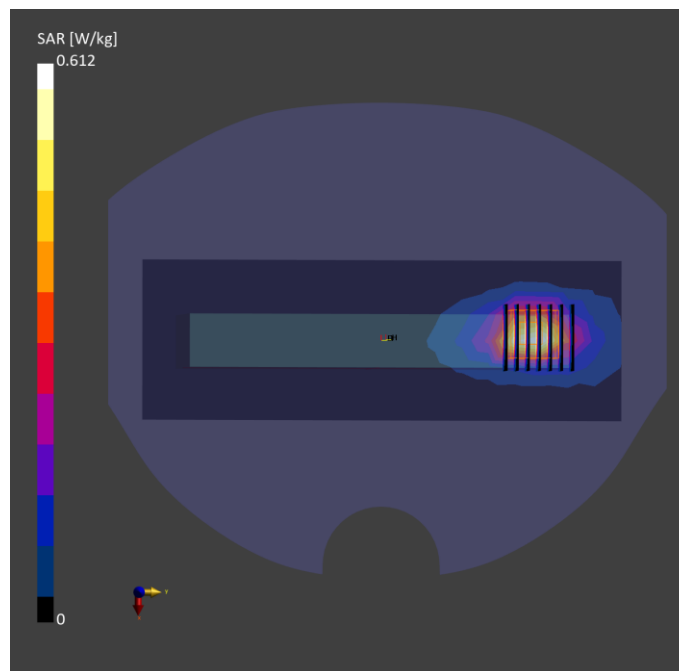
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.499	0.533
psSAR-10g [W/kg]	0.241	0.250
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.4
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-17 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °C

Test Mode

86_NR Band n30_DFT-S QPSK10M_Left Side_10mm_Ch462000_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n30	5G NR FR1 FDD, 10929 - AAD	2310.000, 462000	8.48	1.73	41.5

Hardware Setup

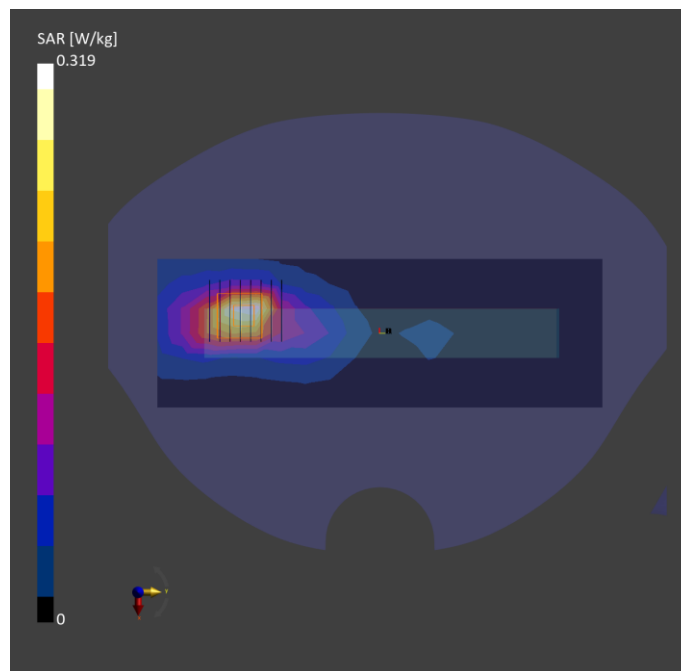
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.264	0.294
psSAR-10g [W/kg]	0.134	0.144
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.6
Dist 3dB Peak [mm]		10.0



Test Date : 2023-11-17 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °C

Test Mode

87_NR Band n30_DFT-S QPSK10M_Left Side_10mm_Ch462000_25RB_Offset14_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n30	5G NR FR1 FDD, 10937 - AAD	2310.000, 462000	8.48	1.73	41.5

Hardware Setup

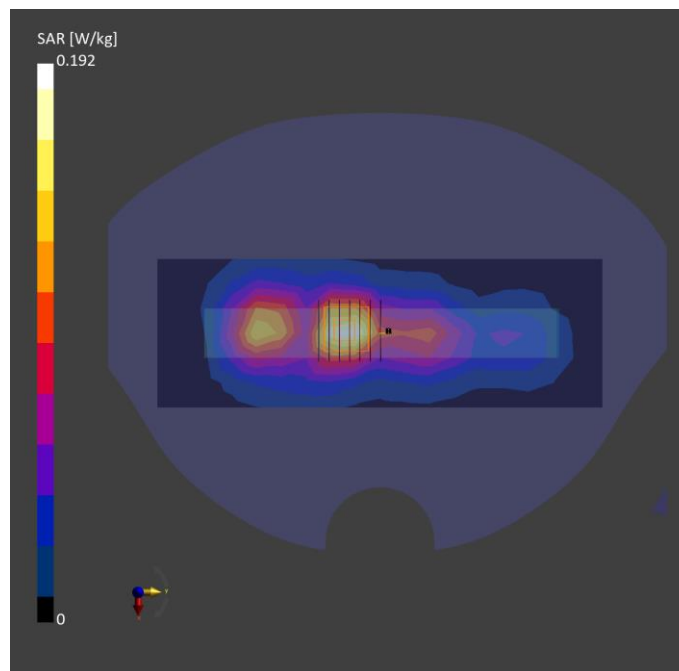
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.158	0.171
psSAR-10g [W/kg]	0.082	0.086
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.6
Dist 3dB Peak [mm]		13.5



Test Date : 2023-11-17 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °C

Test Mode

88_NR Band n30_DFT-S QPSK10M_Rear Face_10mm_Ch462000_1RB_Offset1_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n30	5G NR FR1 FDD, 10929 - AAD	2310.000, 462000	8.48	1.73	41.5

Hardware Setup

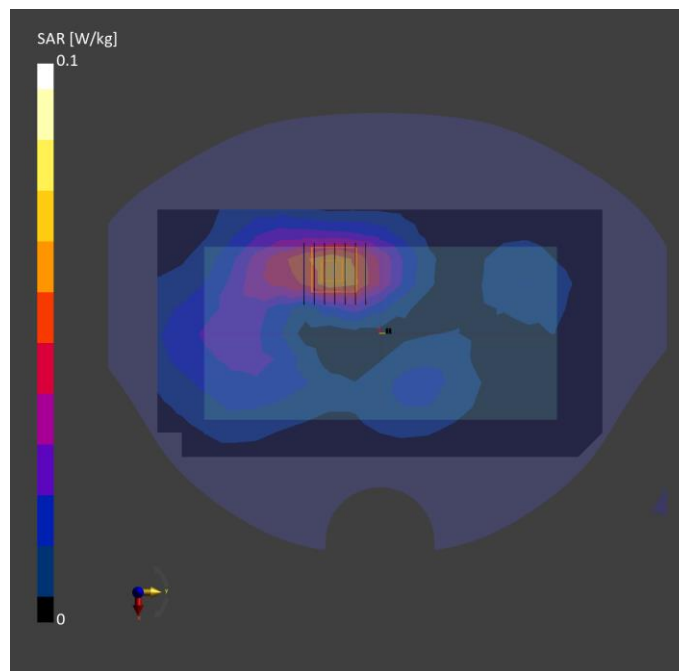
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.059	0.061
psSAR-10g [W/kg]	0.032	0.033
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.2
Dist 3dB Peak [mm]		12.6



Test Date : 2023-11-20 | Ambient Temp : 22.4 °C | Tissue Temp : 22.1 °C

Test Mode

89_NR Band n66_DFT-S QPSK20M_Right Side_10mm_Ch344000_50RB_Offset28_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n66	5G NR FR1 FDD, 10939 - AAC	1720.000, 344000	8.96	1.35	42.3

Hardware Setup

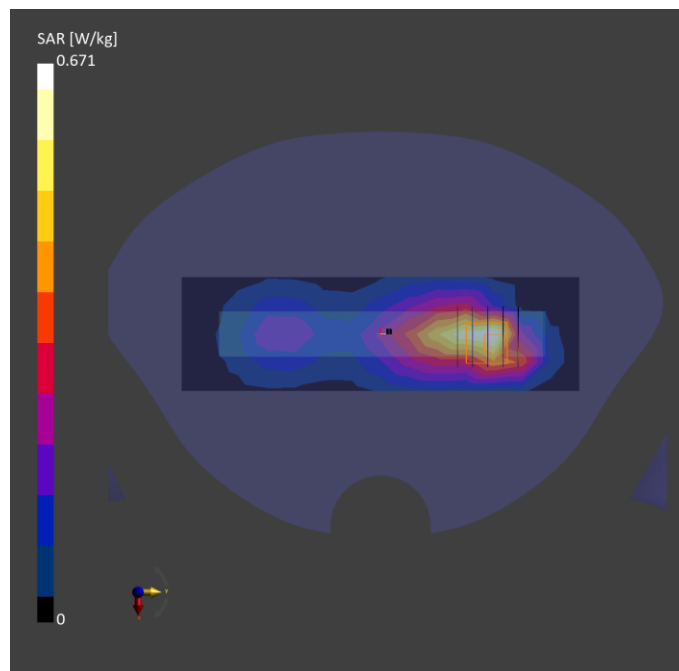
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.576	0.559
psSAR-10g [W/kg]	0.323	0.335
Power Drift [dB]		-0.09
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.1
Dist 3dB Peak [mm]		10.2



Test Date : 2023-11-20 | Ambient Temp : 22.4 °C | Tissue Temp : 22.1 °C

Test Mode

90_NR Band n66_DFT-S QPSK20M_Left Side_10mm_Ch344000_50RB_Offset28_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n66	5G NR FR1 FDD, 10939 - AAC	1720.000, 344000	8.96	1.35	42.3

Hardware Setup

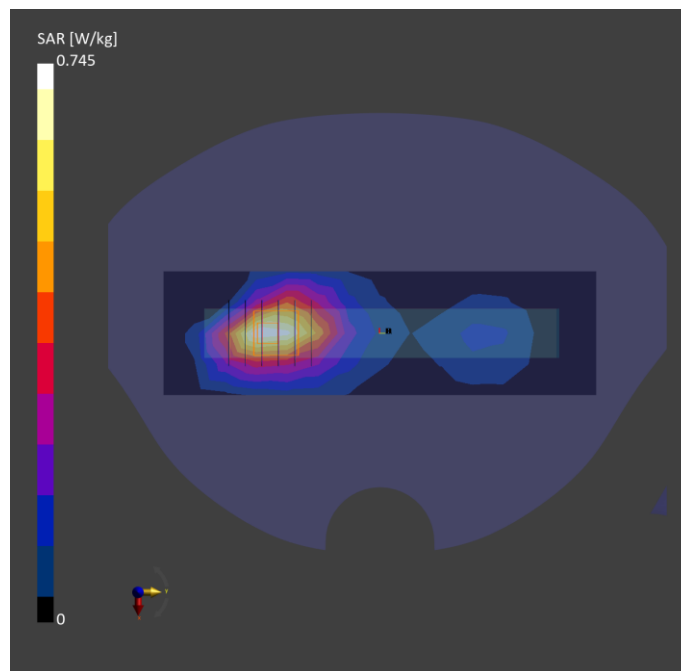
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.644	0.569
psSAR-10g [W/kg]	0.364	0.375
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.5
Dist 3dB Peak [mm]		12.5



Test Date : 2023-11-20 | Ambient Temp : 22.4 °C | Tissue Temp : 22.1 °C

Test Mode

91_NR Band n66_DFT-S QPSK20M_Left Side_10mm_Ch344000_1RB_Offset1_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n66	5G NR FR1 FDD, 10931 - AAC	1720.000, 344000	8.96	1.35	42.3

Hardware Setup

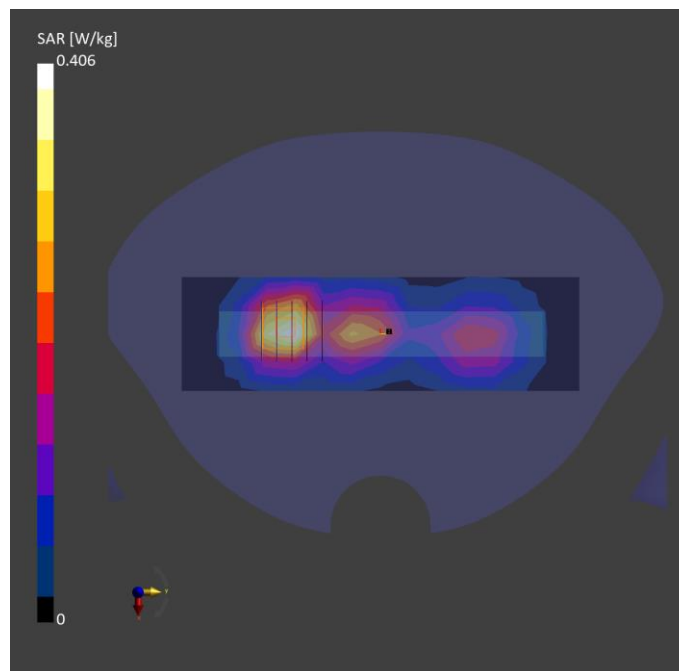
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.351	0.383
psSAR-10g [W/kg]	0.199	0.220
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.9
Dist 3dB Peak [mm]		15.8



Test Date : 2023-11-20 | Ambient Temp : 22.4 °C | Tissue Temp : 22.1 °C

Test Mode

92_NR Band n66_DFT-S QPSK20M_Right Side_10mm_Ch344000_1RB_Offset1_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n66	5G NR FR1 FDD, 10931 - AAC	1720.000, 344000	8.96	1.35	42.3

Hardware Setup

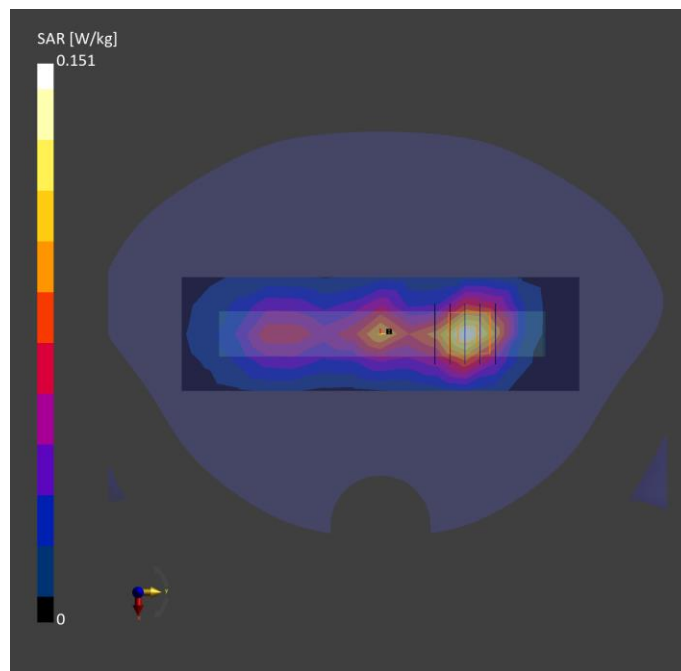
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.125	0.128
psSAR-10g [W/kg]	0.069	0.075
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.8
Dist 3dB Peak [mm]		15.8



Test Date : 2023-11-21 | Ambient Temp : 22.3 °C | Tissue Temp : 22.0 °C

Test Mode

93_NR Band n71_DFT-S QPSK20M_Bottom Side_10mm_Ch136100_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n71	5G NR FR1 FDD, 10931 - AAC	680.500, 136100	10.63	0.861	44.3

Hardware Setup

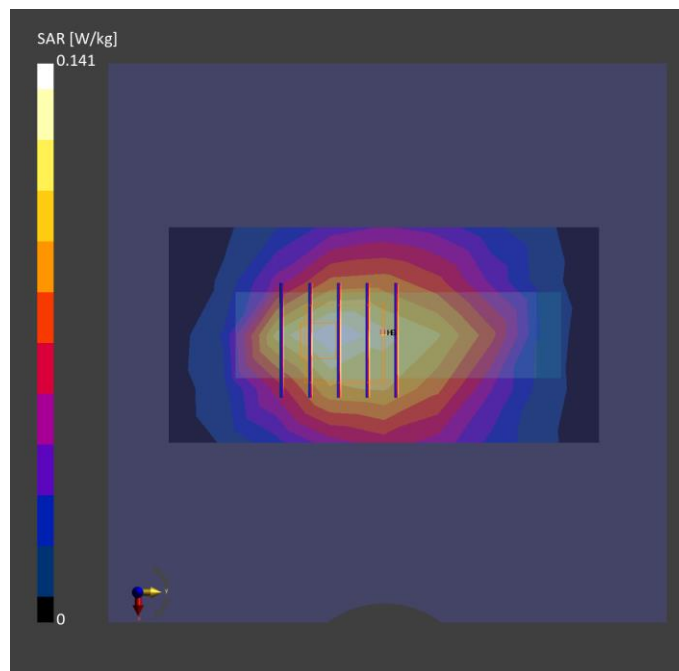
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.128	0.132
psSAR-10g [W/kg]	0.085	0.086
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.0
Dist 3dB Peak [mm]		15.8



Test Date : 2023-11-21 | Ambient Temp : 22.3 °C | Tissue Temp : 22.0 °C

Test Mode

94_NR Band n71_DFT-S QPSK20M_Bottom Side_10mm_Ch136100_50RB_Offset28_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n71	5G NR FR1 FDD, 10939 - AAC	680.500, 136100	10.63	0.861	44.3

Hardware Setup

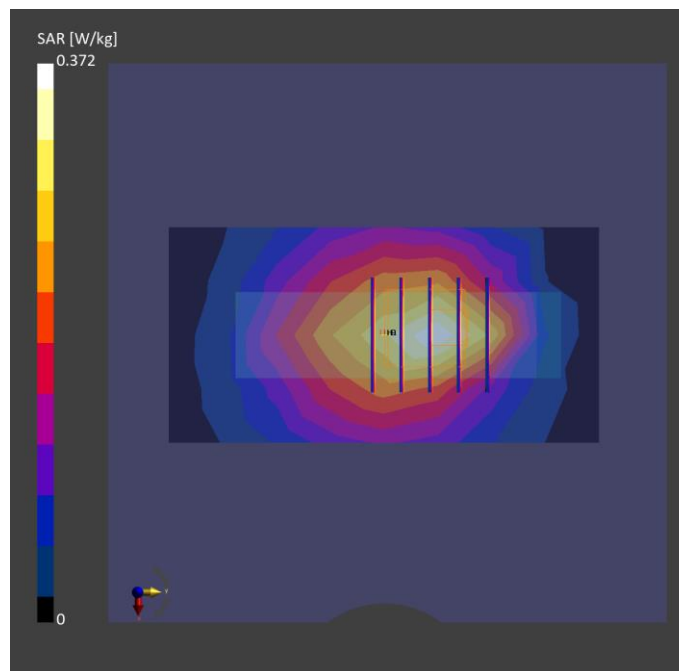
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.332	0.351
psSAR-10g [W/kg]	0.215	0.216
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.6
Dist 3dB Peak [mm]		12.2



Test Date : 2023-11-15 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

95_NR Band n38_DFT-S QPSK40M_Right Side_10mm_Ch518000_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n38	5G NR FR1 TDD, 10903 - AAD	2590.000, 518000	8.04	1.94	41.1

Hardware Setup

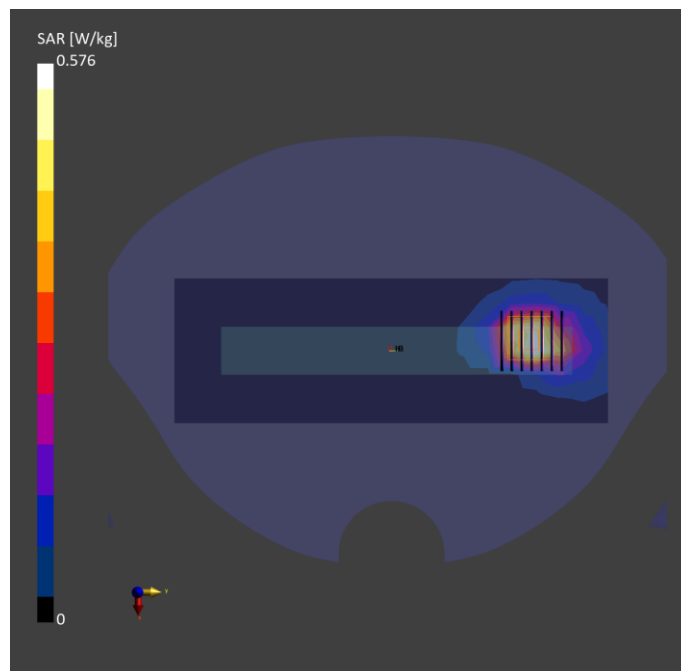
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.506	0.572
psSAR-10g [W/kg]	0.246	0.262
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.6
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-15 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

96_NR Band n38_DFT-S QPSK40M_Left Side_10mm_Ch518000_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n38	5G NR FR1 TDD, 10903 - AAD	2590.000, 518000	8.04	1.94	41.1

Hardware Setup

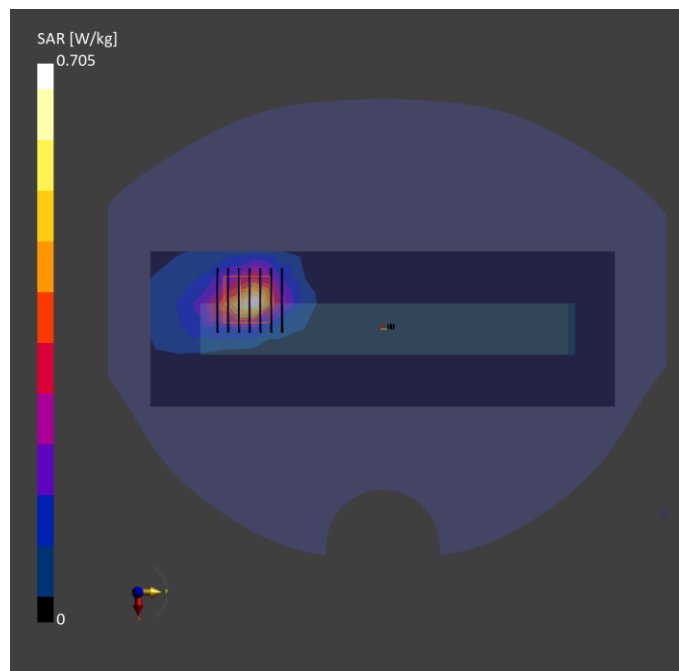
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.518	0.545
psSAR-10g [W/kg]	0.226	0.242
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		47.1
Dist 3dB Peak [mm]		9.9



Test Date : 2023-11-15 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

97_NR Band n38_DFT-S QPSK40M_Left Side_10mm_Ch518000_1RB_Offset1_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n38	5G NR FR1 TDD, 10903 - AAD	2590.000, 518000	8.04	1.94	41.1

Hardware Setup

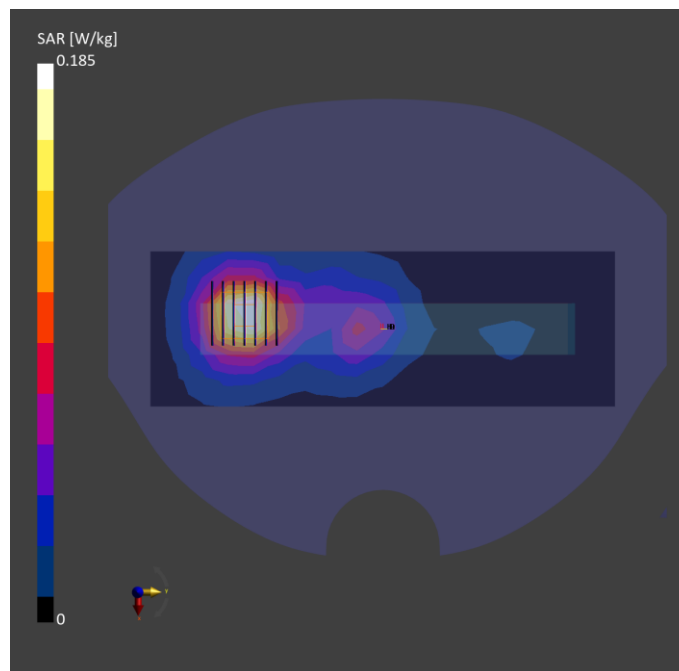
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.163	0.179
psSAR-10g [W/kg]	0.085	0.092
Power Drift [dB]		0.13
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.7
Dist 3dB Peak [mm]		14.2



Test Date : 2023-11-15 | Ambient Temp : 21.9 °C | Tissue Temp : 21.5 °C

Test Mode

98_NR Band n38_DFT-S QPSK40M_Right Side_10mm_Ch519000_1RB_Offset1_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n38	5G NR FR1 TDD, 10903 - AAD	2595.000, 519000	8.04	1.94	38.78

Hardware Setup

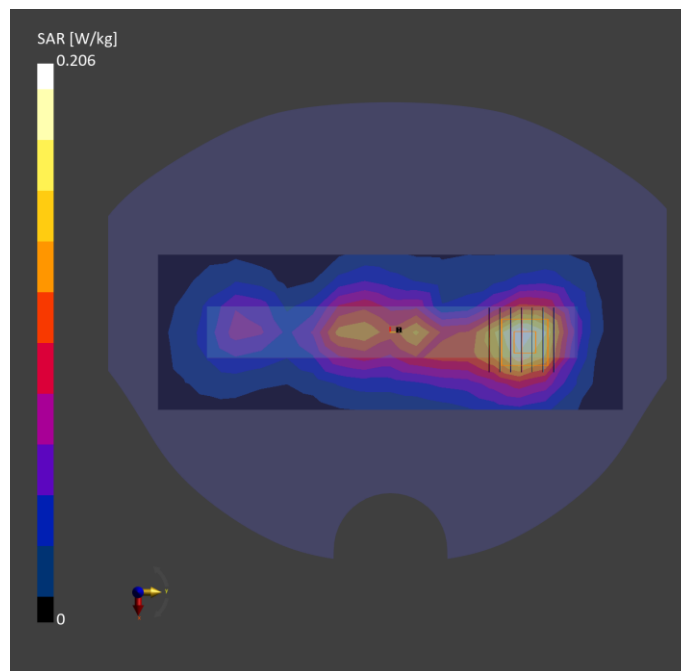
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.173	0.182
psSAR-10g [W/kg]	0.092	0.097
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		52.0
Dist 3dB Peak [mm]		16.2



Test Date : 2023-11-23 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

99_NR Band n41_DFT-S QPSK100M_Right Side_10mm_Ch510000_1RB_Offset1_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n41	5G NR FR1 TDD, 10866 - AAF	2550.000, 510000	8.04	1.97	41.1

Hardware Setup

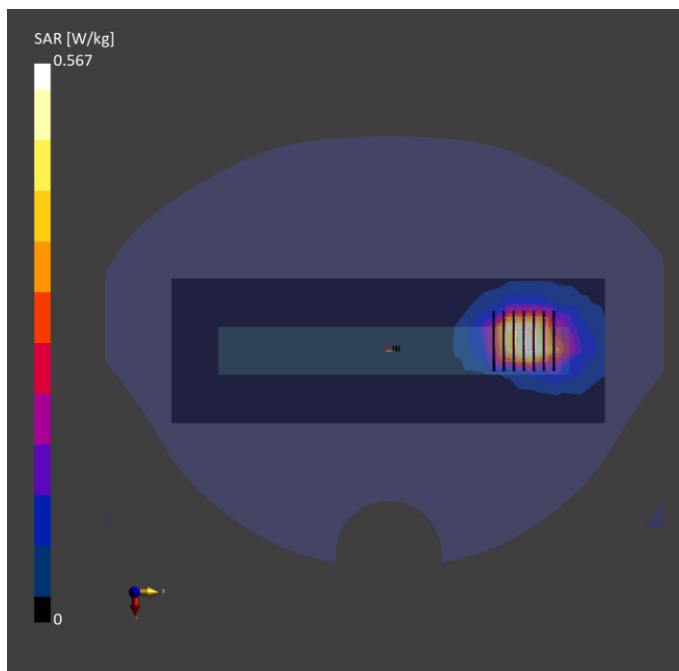
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.501	0.509
psSAR-10g [W/kg]	0.247	0.232
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.5
Dist 3dB Peak [mm]		9.3



Test Date : 2023-11-23 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

100_NR Band n41_DFT-S QPSK100M_Left Side_10mm_Ch518598_1RB_Offset1_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n41	5G NR FR1 TDD, 10866 - AAF	2592.990, 518598	8.04	2.01	41.1

Hardware Setup

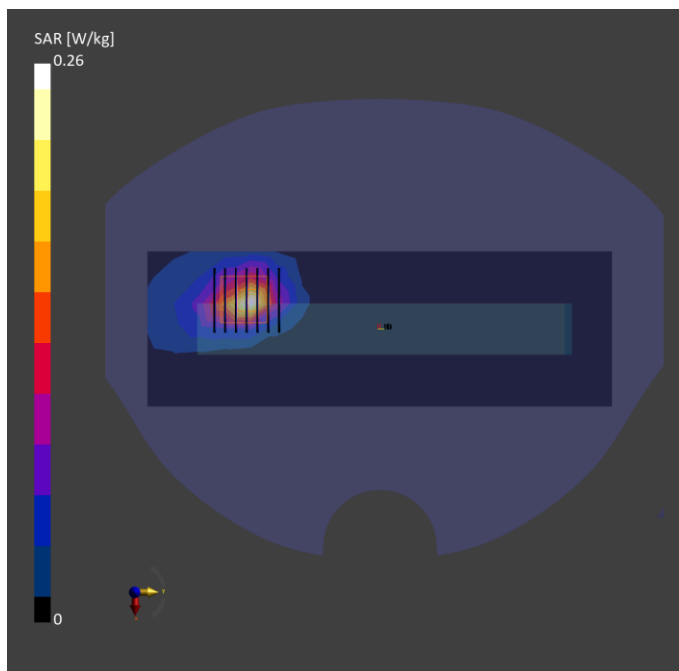
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.188	0.199
psSAR-10g [W/kg]	0.082	0.088
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		46.4
Dist 3dB Peak [mm]		10.0



Test Date : 2023-11-23 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

101_NR Band n41_DFT-S QPSK100M_Left Side_10mm_Ch510000_1RB_Offset1_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n41	5G NR FR1 TDD, 10866 - AAF	2550.000, 510000	8.04	1.97	41.1

Hardware Setup

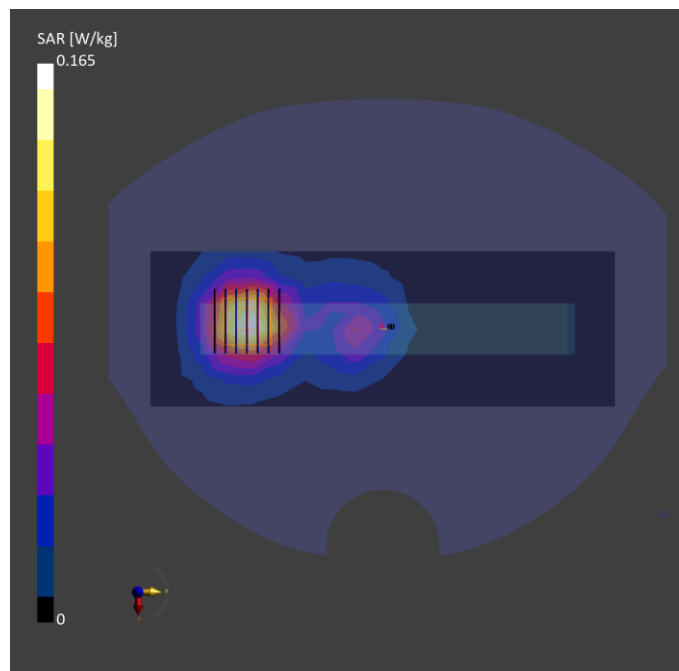
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.136	0.144
psSAR-10g [W/kg]	0.071	0.074
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.6
Dist 3dB Peak [mm]		13.5



Test Date : 2023-11-23 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8 °C

Test Mode

102_NR Band n41_DFT-S QPSK100M_Right Side_10mm_Ch523302_1RB_Offset1_Ant 3

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n41	5G NR FR1 TDD, 10866 - AAF	2616.510, 523302	8.04	2.03	41.0

Hardware Setup

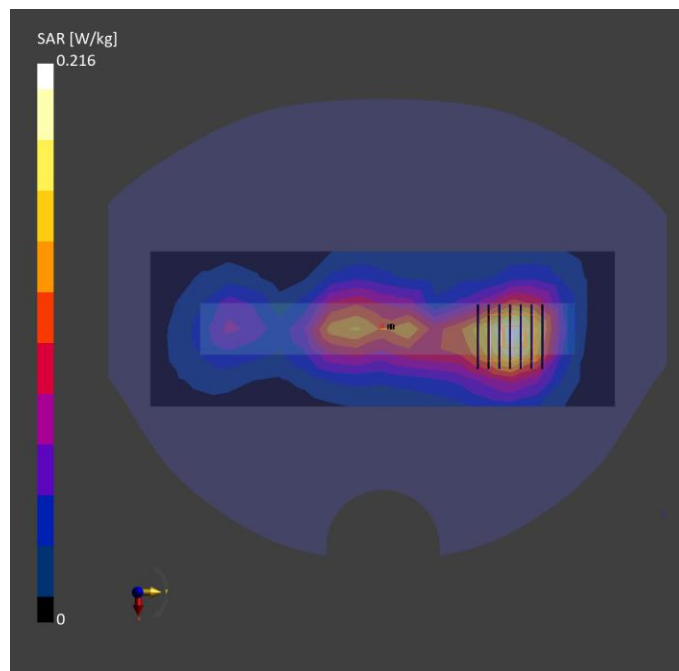
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.177	0.183
psSAR-10g [W/kg]	0.094	0.098
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.9
Dist 3dB Peak [mm]		16.2



Test Date : 2023-11-24 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

Test Mode

103_NR Band n48_DFT-S QPSK40M_Left Side_10mm_Ch642888_1RB_Offset1_Ant 4

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n48	5G NR FR1 TDD, 10903 - AAD	3643.315, 642888	6.8	2.86	38.9

Hardware Setup

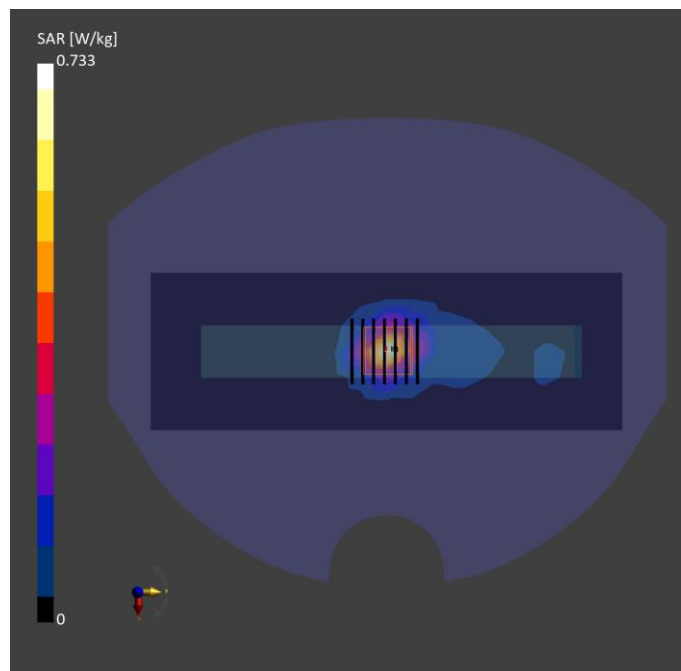
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.506	0.482
psSAR-10g [W/kg]	0.188	0.207
Power Drift [dB]		-0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.0
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-24 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

Test Mode

104_NR Band n48_DFT-S QPSK40M_Right Side_10mm_Ch642888_1RB_Offset1_Ant 5

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n48	5G NR FR1 TDD, 10903 - AAD	3643.315, 642888	6.8	2.86	38.9

Hardware Setup

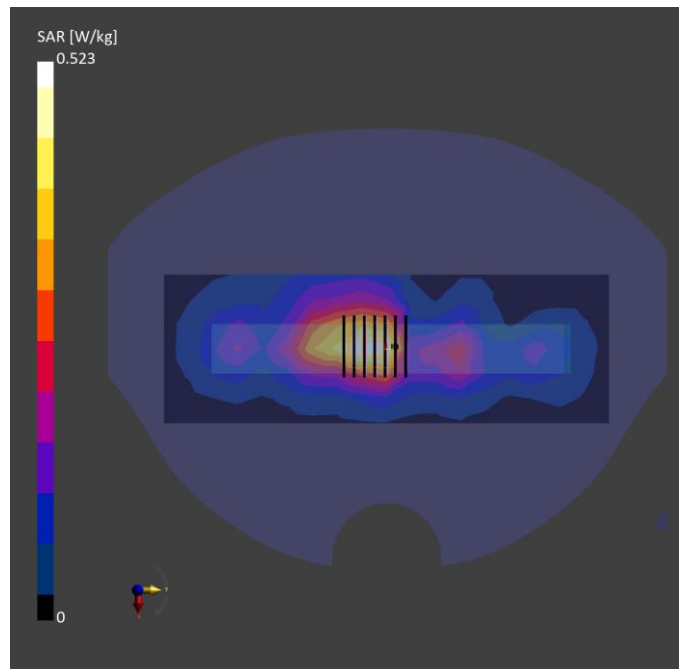
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.429	0.479
psSAR-10g [W/kg]	0.199	0.218
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.8
Dist 3dB Peak [mm]		12.7



Test Date : 2023-11-24 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

Test Mode

105_NR Band n48_DFT-S QPSK40M_Left Side_10mm_Ch638000_1RB_Offset1_Ant 6

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n48	5G NR FR1 TDD, 10903 - AAD	3570.000, 638000	6.87	2.79	39.0

Hardware Setup

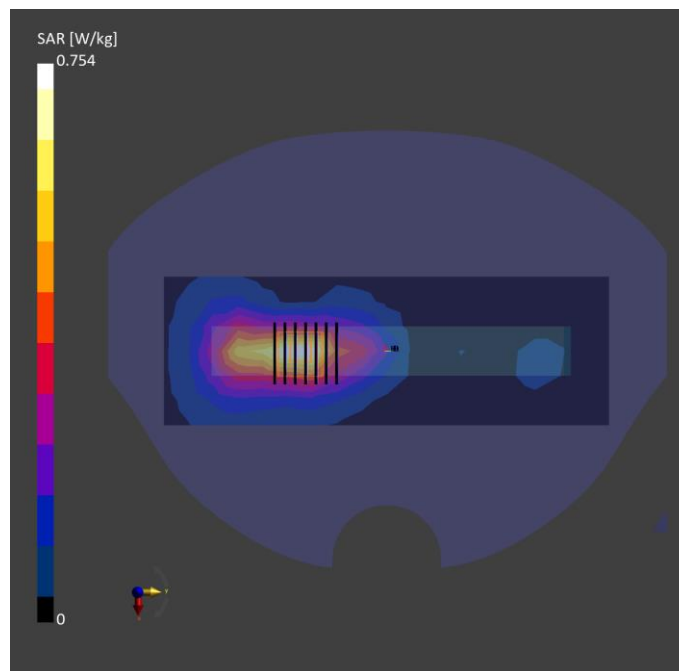
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.592	0.549
psSAR-10g [W/kg]	0.263	0.280
Power Drift [dB]		0.14
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.3
Dist 3dB Peak [mm]		10.2



Test Date : 2023-11-24 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

Test Mode

106_NR Band n48_DFT-S QPSK40M_Right Side_10mm_Ch638000_1RB_Offset1_Ant 7

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n48	5G NR FR1 TDD, 10903 - AAD	3570.000, 638000	6.87	2.79	39.0

Hardware Setup

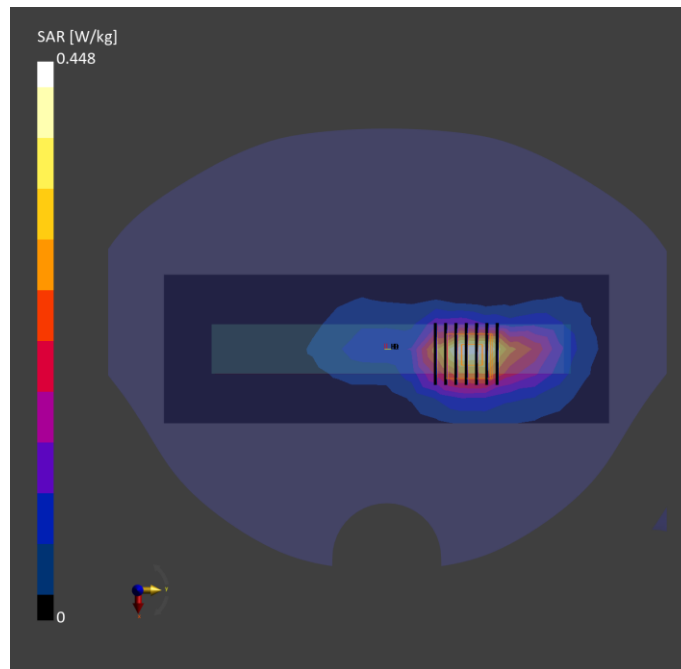
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.363	0.391
psSAR-10g [W/kg]	0.163	0.172
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.4
Dist 3dB Peak [mm]		10.2



Test Date : 2023-11-19 | Ambient Temp : 22.5 °C | Tissue Temp : 22.0 °C

Test Mode

107_NR Band n77_DFT-S QPSK100M_Left Side_10mm_Ch641524_1RB_Offset1_Ant 4

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n77	5G NR FR1 TDD, 10866 - AAF	3622.860, 641524	6.8	2.83	39.2

Hardware Setup

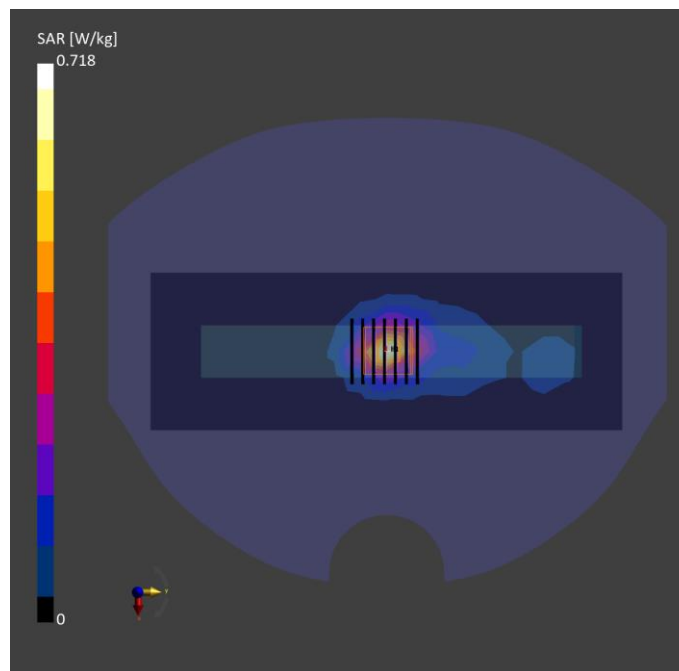
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.504	0.538
psSAR-10g [W/kg]	0.193	0.212
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.9
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-19 | Ambient Temp : 22.5 °C | Tissue Temp : 22.0 °C

Test Mode

108_NR Band n77_DFT-S QPSK100M_Right Side_10mm_Ch641524_1RB_Offset1_Ant 5

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n77	5G NR FR1 TDD, 10866 - AAF	3622.860, 641524	6.8	2.83	39.2

Hardware Setup

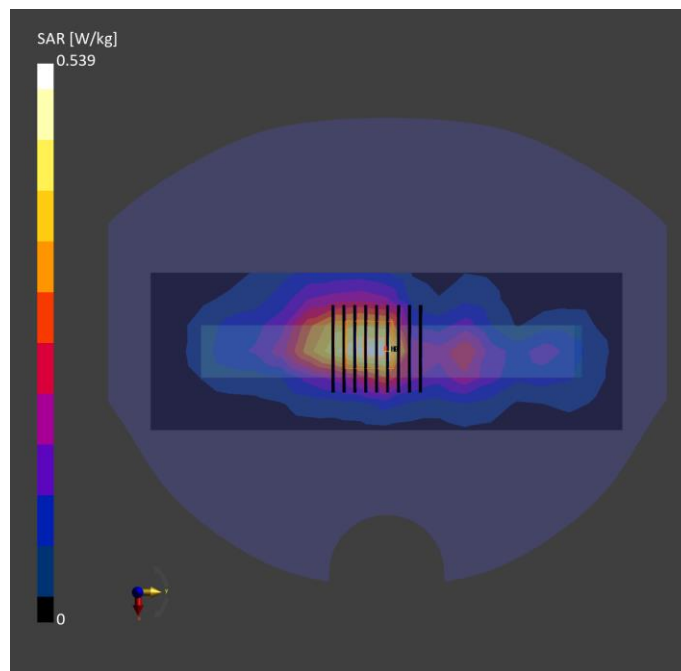
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.438	0.480
psSAR-10g [W/kg]	0.206	0.222
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.7
Dist 3dB Peak [mm]		13.7



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.0 °C

Test Mode

109_NR Band n77_DFT-S QPSK100M_Left Side_10mm_Ch662000_135RB_Offset69_Ant 6

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n77	5G NR FR1 TDD, 10917 - AAD	3930.000, 662000	6.77	3.11	38.7

Hardware Setup

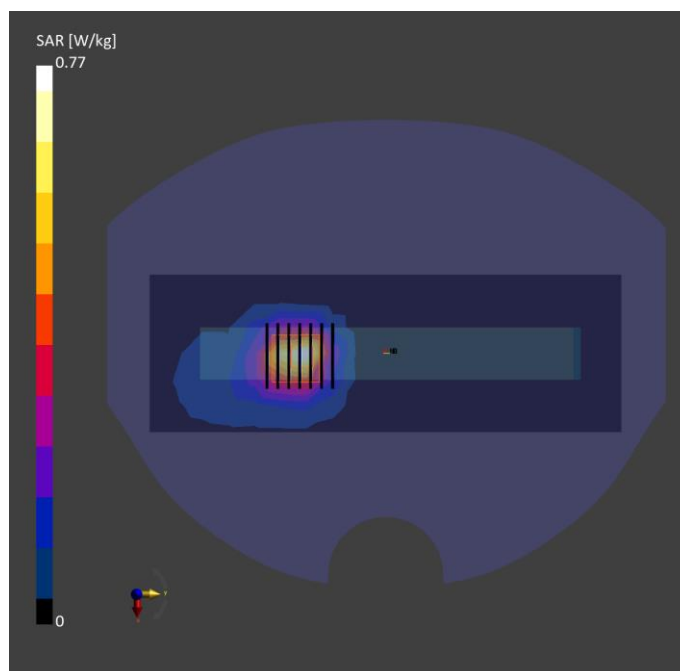
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.585	0.530
psSAR-10g [W/kg]	0.239	0.259
Power Drift [dB]		-0.17
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.2
Dist 3dB Peak [mm]		9.9



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.0 °C

Test Mode

110_NR Band n77_DFT-S QPSK100M_Right Side_10mm_Ch633334_1RB_Offset1_Ant 7

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n77	5G NR FR1 TDD, 10866 - AAF	3500.010, 633334	6.87	2.72	39.4

Hardware Setup

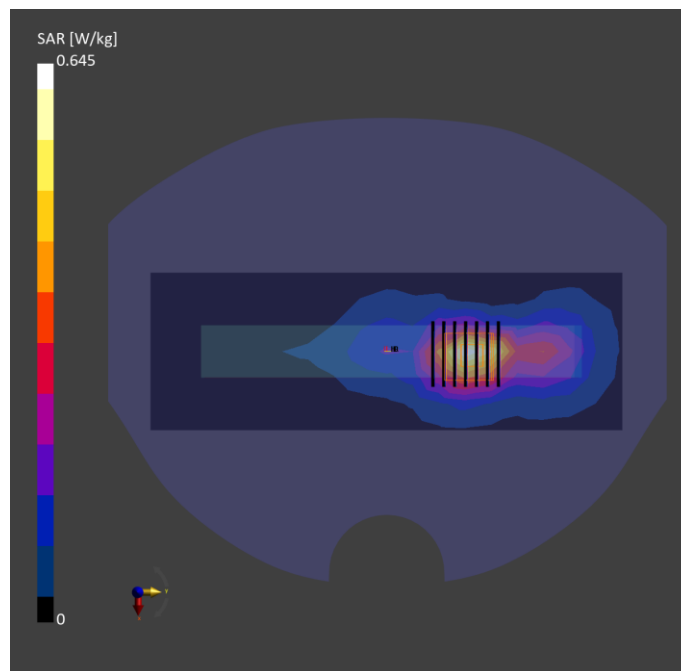
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.498	0.534
psSAR-10g [W/kg]	0.218	0.235
Power Drift [dB]		-0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.8
Dist 3dB Peak [mm]		10.0



Test Date : 2023-11-22 | Ambient Temp : 22.1 °C | Tissue Temp : 21.7 °C

Test Mode

111_NR Band n78_DFT-S QPSK100M_Left Side_10mm_Ch641524_1RB_Offset1_Ant 4

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n78	5G NR FR1 TDD, 10866 - AAF	3622.860, 641524	6.8	2.81	39.3

Hardware Setup

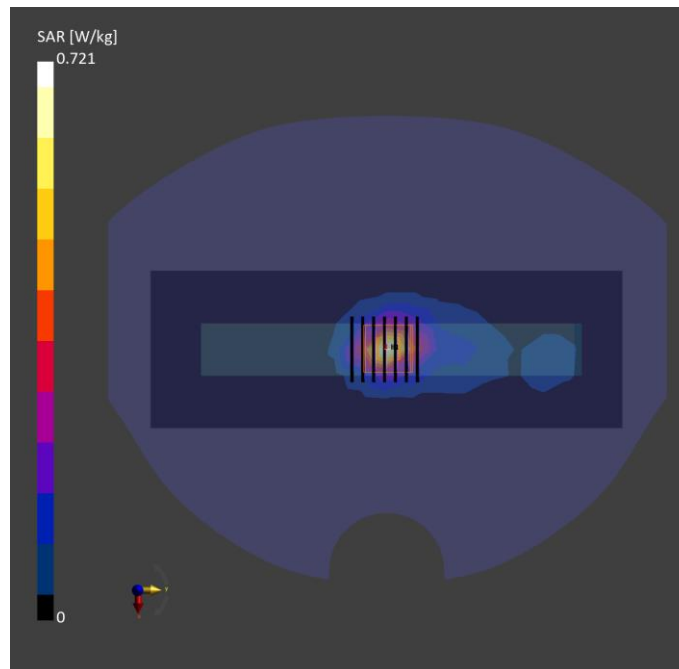
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.507	0.546
psSAR-10g [W/kg]	0.194	0.214
Power Drift [dB]		-0.10
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.6
Dist 3dB Peak [mm]		9.0



Test Date : 2023-11-22 | Ambient Temp : 22.1 °C | Tissue Temp : 21.7 °C

Test Mode

112_NR Band n78_DFT-S QPSK100M_Right Side_10mm_Ch641524_1RB_Offset1_Ant 5

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n78	5G NR FR1 TDD, 10866 - AAF	3622.860, 641524	6.8	2.81	39.3

Hardware Setup

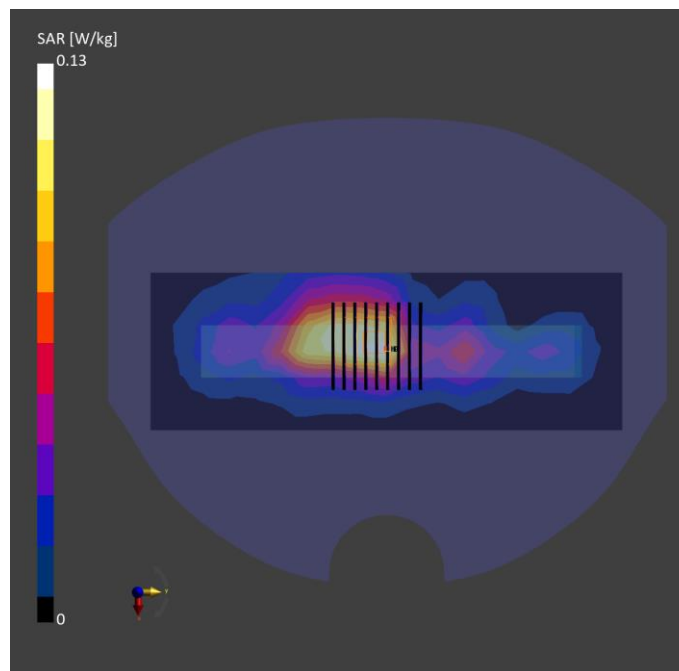
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.109	0.116
psSAR-10g [W/kg]	0.052	0.053
Power Drift [dB]		-0.19
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.9
Dist 3dB Peak [mm]		13.0



Test Date : 2023-11-24 | Ambient Temp : 22.1 °C | Tissue Temp : 21.7 °C

Test Mode

113_NR Band n78_DFT-S QPSK100M_Left Side_10mm_Ch649714_1RB_Offset1_Ant 6

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n78	5G NR FR1 TDD, 10866 - AAF	3745.710, 649714	6.8	2.92	39.1

Hardware Setup

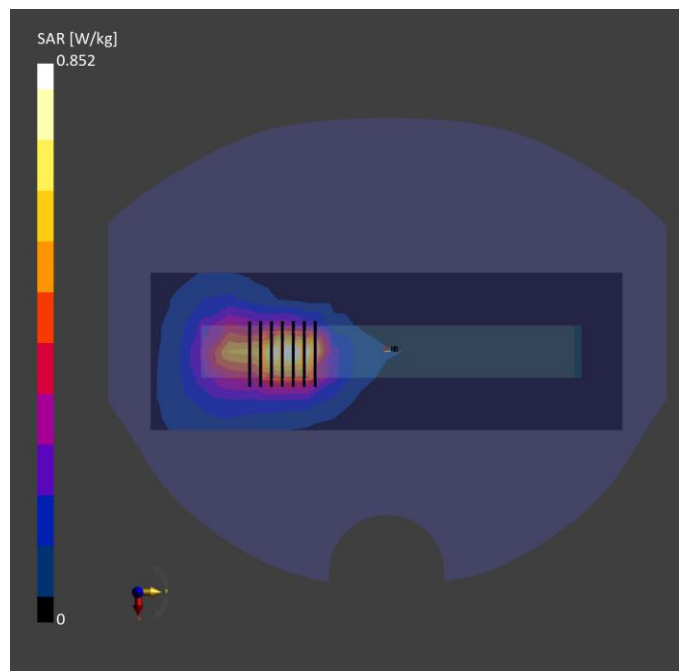
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.667	0.582
psSAR-10g [W/kg]	0.288	0.299
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.1
Dist 3dB Peak [mm]		11.0



Test Date : 2023-11-24 | Ambient Temp : 22.1 °C | Tissue Temp : 21.7 °C

Test Mode

114_NR Band n78_DFT-S QPSK100M_Right Side_10mm_Ch633334_1RB_Offset1_Ant 7

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n78	5G NR FR1 TDD, 10866 - AAF	3500.010, 633334	6.87	2.70	39.4

Hardware Setup

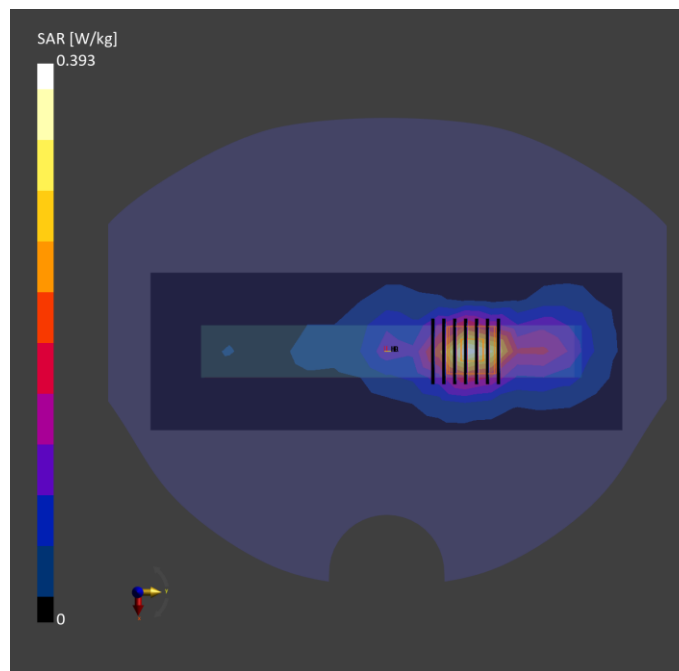
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.304	0.323
psSAR-10g [W/kg]	0.132	0.140
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.9
Dist 3dB Peak [mm]		10.5



Test Date : 2023-11-03 | Ambient Temp : 22.1 °C | Tissue Temp : 21.6 °C

Test Mode

115_WLAN 2.4G_802.11n HT40_Left Side_10mm_Ch6_Ant 1+2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 2.4GHz	WLAN, 10599 - AAC	2437.000, 6	8.2	1.72	36.5

Hardware Setup

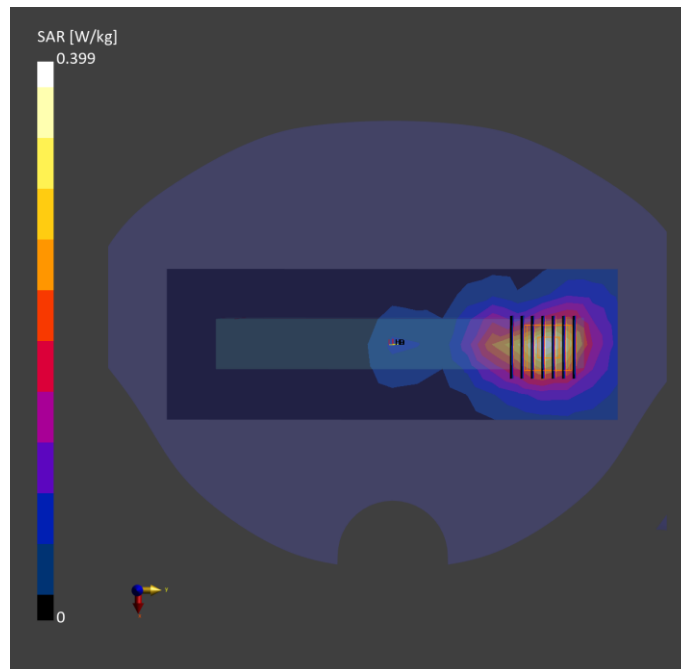
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.315	0.332
psSAR-10g [W/kg]	0.162	0.171
Power Drift [dB]		0.18
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.4
Dist 3dB Peak [mm]		12.7



Test Date : 2023-11-20 | Ambient Temp : 22.4 °C | Tissue Temp : 22.1 °C

Test Mode

116_WLAN 5.2G_802.11ac VHT80_Right Side_10mm_Ch42_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10544 - AAC	5210.000, 42	5.91	4.48	35.9

Hardware Setup

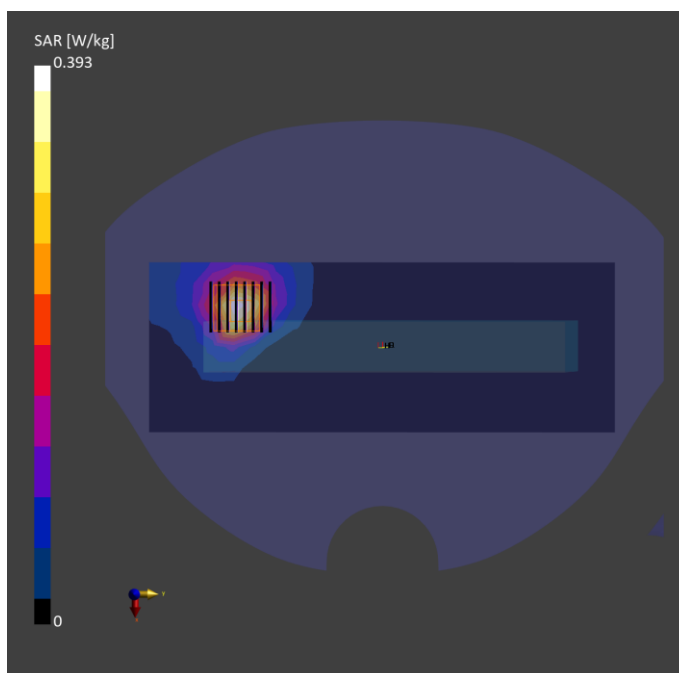
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 220.0	24.0 x 24.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.296	0.320
psSAR-10g [W/kg]	0.114	0.118
Power Drift [dB]		-0.07
TSL Correction	Positive only	Positive only
M2 / M1 [%]		66.7
Dist 3dB Peak [mm]		9.8



Test Date : 2023-11-23 | Ambient Temp : 22.4 °C | Tissue Temp : 22.1 °C

Test Mode

123_WLAN 5.8G_802.11ac VHT160_Left Side_10mm_Ch163_Ant 1+2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300101	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAD	5815.000, 163	4.9	5.21	35.8

Hardware Setup

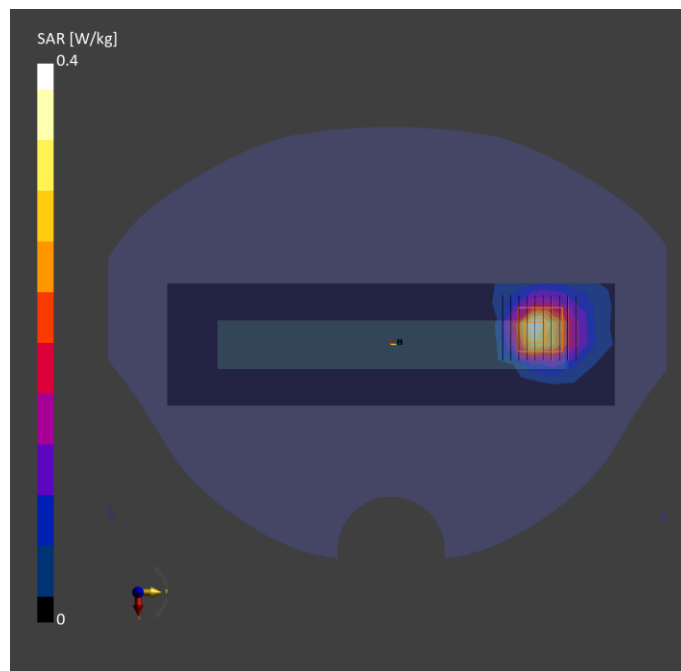
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 220.0	24.0 x 24.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.303	0.307
psSAR-10g [W/kg]	0.112	0.105
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.6
Dist 3dB Peak [mm]		9.2



Test Date : 2023-11-03 | Ambient Temp : 22.1 °C | Tissue Temp : 21.6 °C

Test Mode

118_BT_BDR_Left Side_10mm_Ch39_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	ISM 2.4 GHz Band	Bluetooth, 10032 - CAA	2441.000, 39	8.2	1.73	36.5

Hardware Setup

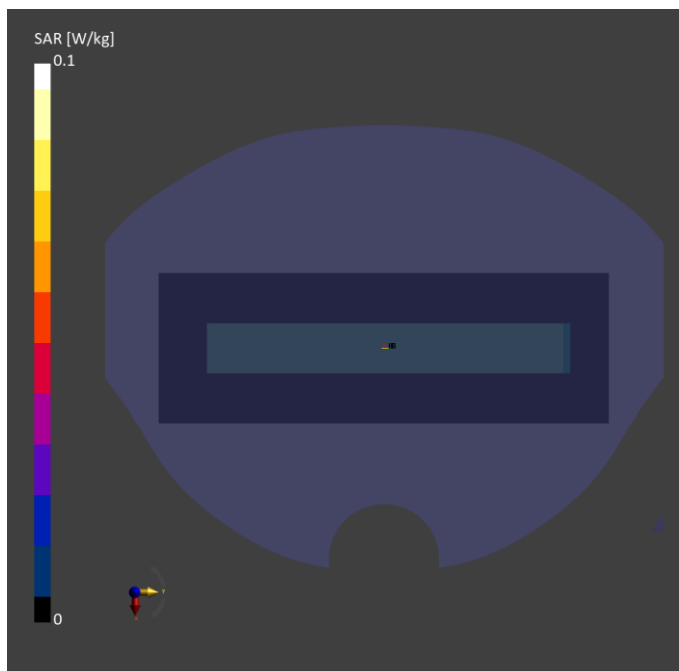
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	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	
Graded Grid	N/A	
Grading Ratio	N/A	

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0	
psSAR-10g [W/kg]	0	
Power Drift [dB]		
TSL Correction	Positive only	
M2 / M1 [%]		
Dist 3dB Peak [mm]		



Test Date : 2023-11-03 | Ambient Temp : 22.1 °C | Tissue Temp : 21.6 °C

Test Mode

119_BT_BDR_Top Side_10mm_Ch39_Ant 2

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	ISM 2.4 GHz Band	Bluetooth, 10032 - CAA	2441.000, 39	8.2	1.73	36.5

Hardware Setup

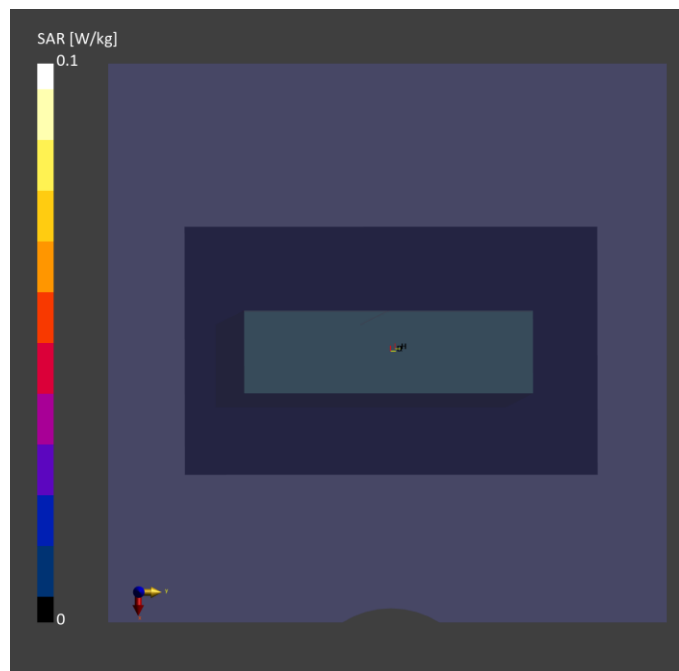
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2115	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	
Graded Grid	N/A	
Grading Ratio	N/A	

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0	
psSAR-10g [W/kg]	0	
Power Drift [dB]		
TSL Correction	Positive only	
M2 / M1 [%]		
Dist 3dB Peak [mm]		



Test Date : 2023-11-16 | Ambient Temp : 22.5 °C | Tissue Temp : 21.7 °C

Test Mode

175_LTE Band 42_QPSK20M_Left Side_0mm_Ch43490_1RB_Offset0_Ant 4_w/o

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 42	LTE-TDD, 10172 - CAH	3460.000, 43490	6.87	2.66	38.1

Hardware Setup

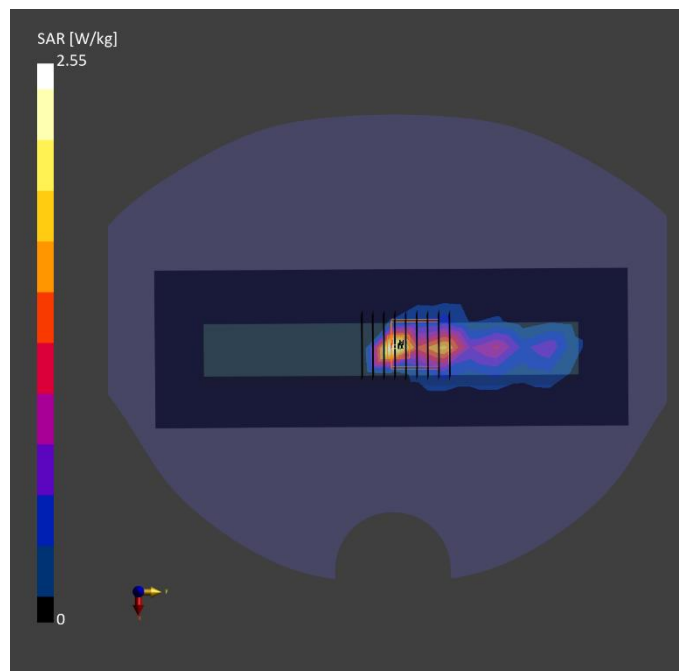
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2102	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	1.53	1.65
psSAR-10g [W/kg]	0.517	0.528
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.8
Dist 3dB Peak [mm]		5.0



Test Date : 2023-11-16 | Ambient Temp : 22.5 °C | Tissue Temp : 21.7 °C

Test Mode

176_LTE Band 48_QPSK20M_Left Side_0mm_Ch55340_1RB_Offset0_Ant 4_w/o

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band 48	LTE-TDD, 10172 - CAH	3560.000, 55340	6.87	2.74	37.9

Hardware Setup

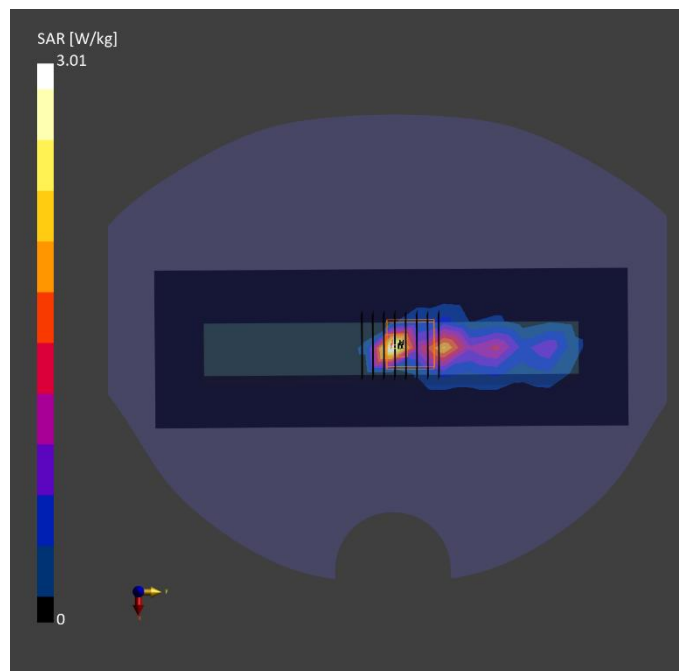
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2102	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	1.70	1.84
psSAR-10g [W/kg]	0.521	0.556
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.1
Dist 3dB Peak [mm]		5.0



Test Date : 2023-11-16 | Ambient Temp : 22.5 °C | Tissue Temp : 21.7 °C

Test Mode

177_NR Band 48_DFT-S QPSK40M_Left Side_0mm_Ch642888_1RB_Offset1_Ant 4_w/o

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n48	5G NR FR1 TDD, 10903 - AAB	3643.320, 642888	6.87	2.82	37.8

Hardware Setup

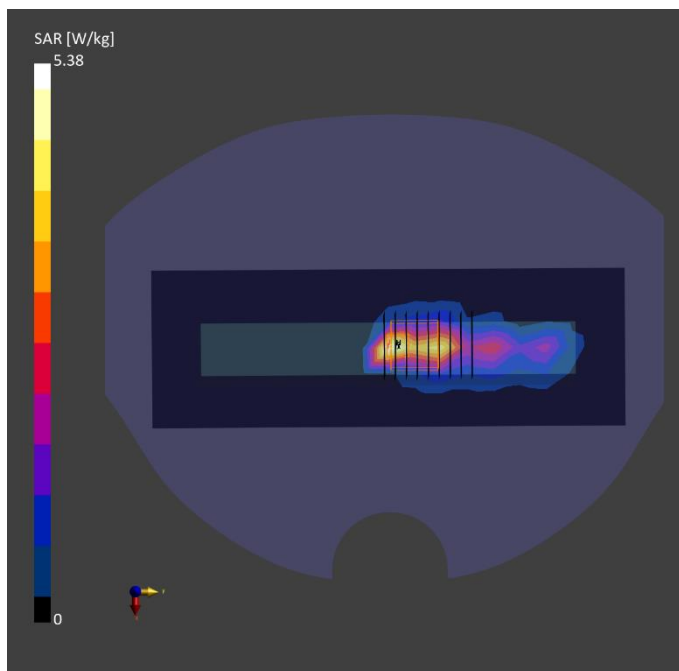
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2102	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	3.61	3.84
psSAR-10g [W/kg]	1.21	1.22
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.8
Dist 3dB Peak [mm]		5.4



Test Date : 2023-11-16 | Ambient Temp : 22.5 °C | Tissue Temp : 21.7 °C

Test Mode

178_NR Band 77_DFT-S QPSK100M_Left Side_0mm_Ch641524_1RB_Offset1_Ant 4_w/o

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300066	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Band n77	5G NR FR1 TDD, 10866 - AAF	3622.860, 641524	6.68	2.80	37.9

Hardware Setup

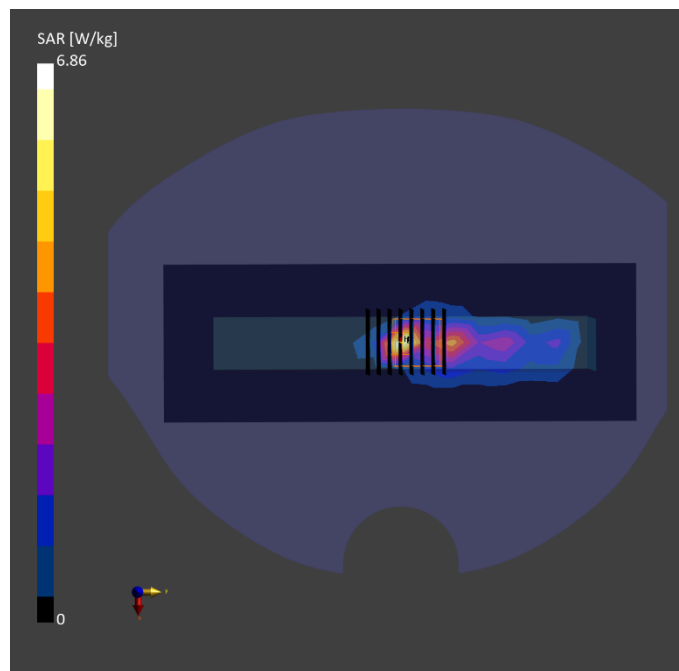
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2102	HBBL-600-10000	EX3DV4 - SN7737 / 2023-06-05	DAE4 Sn1743 / 2023-08-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 2.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	3.77	3.82
psSAR-10g [W/kg]	1.19	1.21
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.6
Dist 3dB Peak [mm]		5.1



Test Date : 2023-10-11 | Ambient Temp : 22.6 °C | Tissue Temp : 21.6 °C

Test Mode

170_WLAN 5.3G_802.11ac VHT160_Left Side_0mm_Ch50_Ant 1_w/o

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300020	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAD	5250.000, 50	5.02	4.55	36.4

Hardware Setup

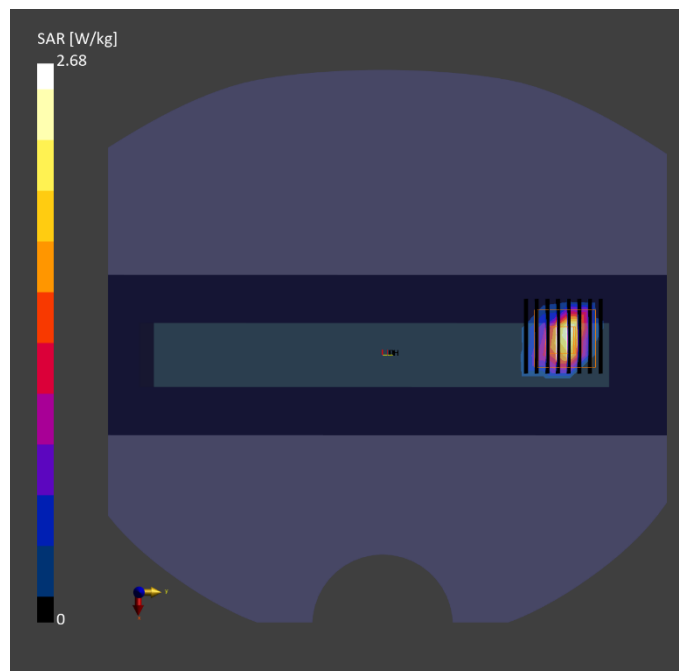
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2101	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 220.0	24.0 x 24.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	1.82	3.18
psSAR-10g [W/kg]	0.486	0.604
Power Drift [dB]		-0.12
TSL Correction	Positive only	Positive only
M2 / M1 [%]		65.2
Dist 3dB Peak [mm]		7.0



Test Date : 2023-10-11 | Ambient Temp : 22.6 °C | Tissue Temp : 21.6 °C

Test Mode

171_WLAN 5.6G_802.11ac VHT160_Left Side_0mm_Ch114_Ant 1_w/o

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300020	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAD	5570.000, 114	4.29	4.9	35.9

Hardware Setup

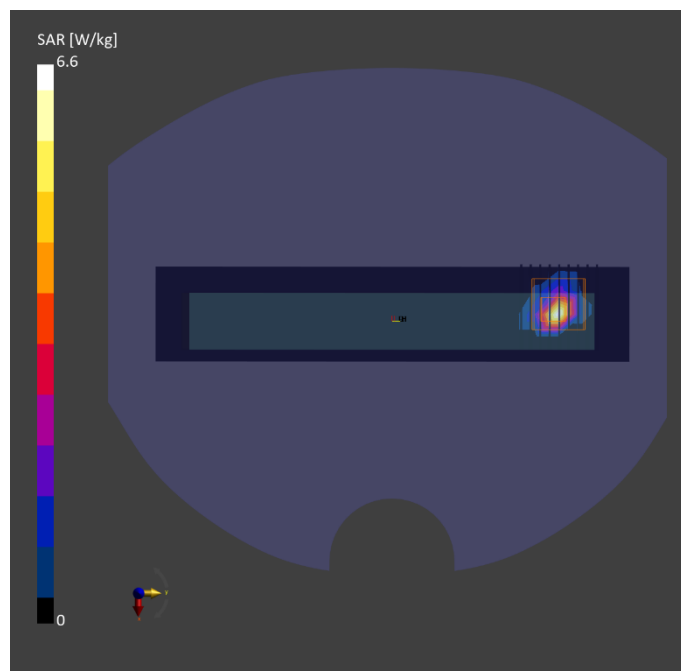
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2101	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 200.0	24.0 x 24.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	3.52	5.28
psSAR-10g [W/kg]	0.801	0.990
Power Drift [dB]		-0.13
TSL Correction	Positive only	Positive only
M2 / M1 [%]		67.6
Dist 3dB Peak [mm]		6.2



Test Date : 2023-10-12 | Ambient Temp : 22.8 °C | Tissue Temp : 21.9 °C

Test Mode

173_UNII-5_802.11ax HE160_Left Side_0mm_Ch79_Ant 1_w/o

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300020	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	U-NII-5	WLAN, 10755 - AAC	6345.000, 79	4.47	5.80	34.5

Hardware Setup

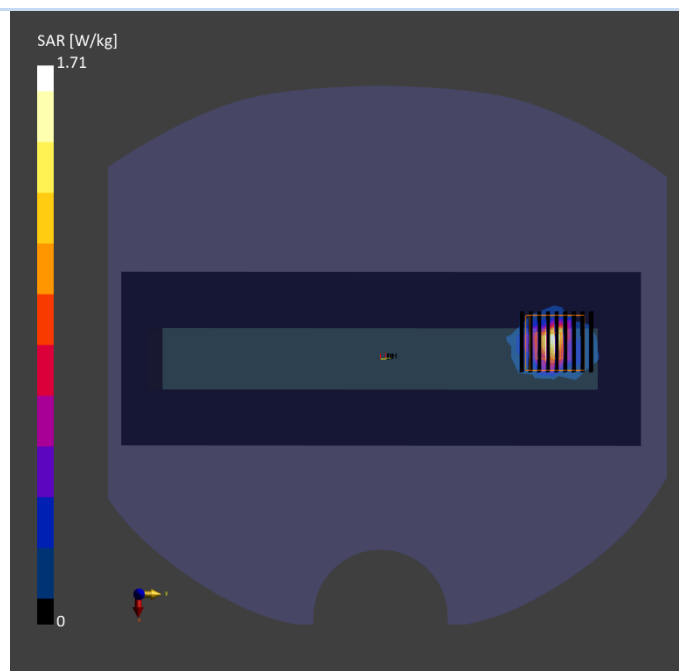
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2102	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	1.06	1.47
psSAR-10g [W/kg]	0.261	0.286
psAPD (1.0 cm ² , sq) [W/m ²]		14.7
psAPD (4.0 cm ² , sq) [W/m ²]		6.86
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		68.6
Dist 3dB Peak [mm]		12.0



Test Date : 2023-11-11 | Ambient Temp : 22.5 °C

Test Mode

173_UNII-5_802.11ax HE160_Left Side_0mm_Ch79_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ECOM	Smart-Ex 03	XASB4HB3300008	Phone

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-5	WLAN, 10755 - AAC	6345.0, 79	1.0

Hardware Setup

Phantom	Medium	Probe / Calibration Date	DAE / Calibration Date
mmWave - 1102	Air	EUmmWV3 - SN9403_F1-55GHz / 2022-12-07	DAE4 Sn1669 / 2023-05-23

Scan Setup

	5G Scan
Grid Extents [mm]	95.0 x 95.0
Grid Steps [mm]	0.0529 x 0.0529
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	2.66
psPD tot+ [W/m ²]	2.85
psPD mod+ [W/m ²]	3.22
E max [V/m]	57.7
Power Drift [dB]	0.13

