

Appendix C - Highest Measurement Plots

Test Date : 2023-10-23 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

1_GSM850_GPRS12_Right Cheek_Ch251_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | GSM 850 | GSM, 10028 - DAC | 848.800, 251 | 9.67 | 0.957 | 43.5 |

Hardware Setup

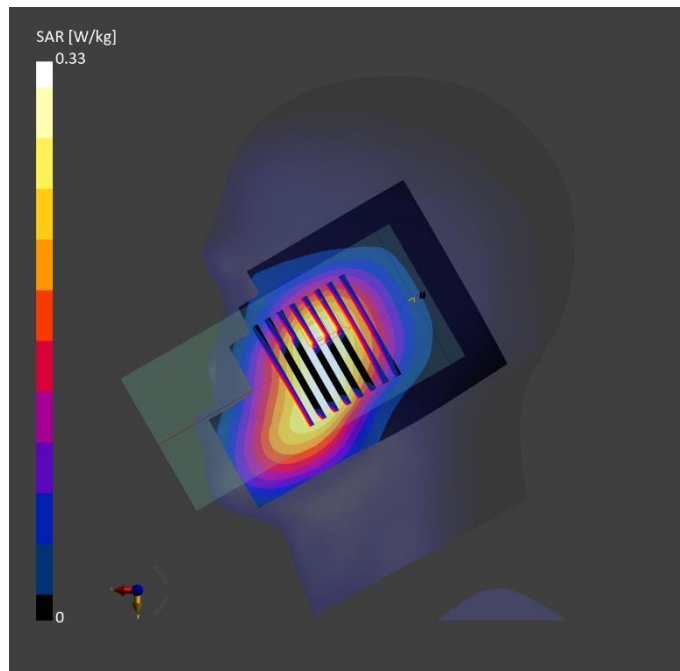
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.289 | 0.305 |
| psSAR-10g [W/kg] | 0.199 | 0.196 |
| Power Drift [dB] | | -0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 83.3 |
| Dist 3dB Peak [mm] | | 6.4 |



Test Date : 2023-10-23 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

2_GSM850_GPRS12_Left Cheek_Ch251_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | GSM 850 | GSM, 10028 - DAC | 848.800, 251 | 9.67 | 0.957 | 43.5 |

Hardware Setup

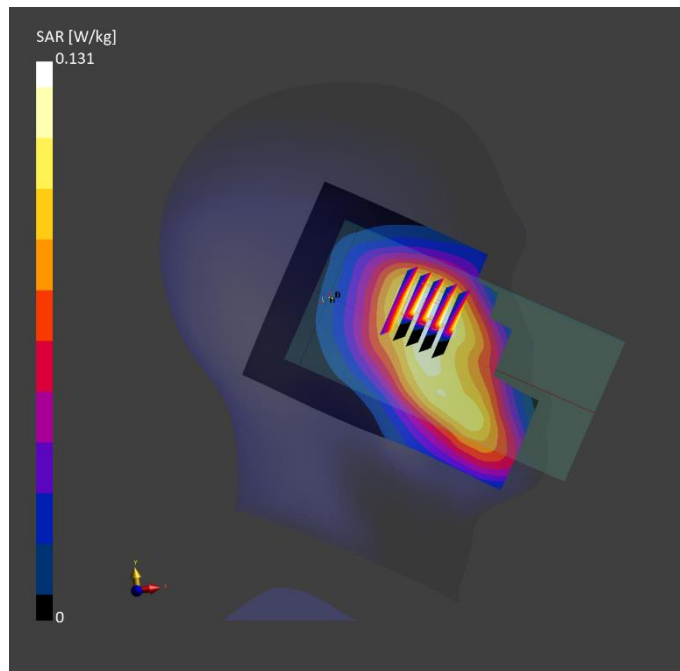
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.111 | 0.126 |
| psSAR-10g [W/kg] | 0.077 | 0.087 |
| Power Drift [dB] | | -0.08 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 82.8 |
| Dist 3dB Peak [mm] | | 6.4 |



Test Date : 2023-10-31 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

3_GSM1900_GPRS10_Right Cheek_Ch810_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | PCS 1900 | GSM, 10024 - DAC | 1909.800, 810 | 8.25 | 1.46 | 41.4 |

Hardware Setup

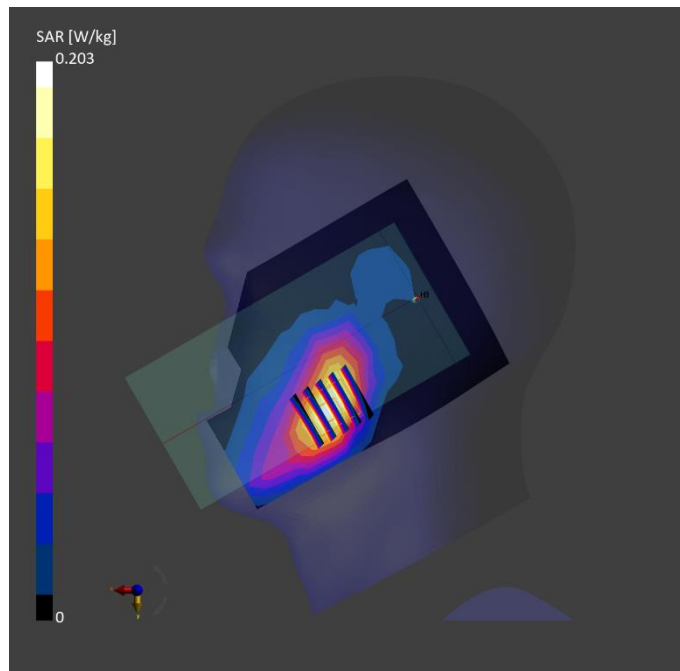
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.166 | 0.174 |
| psSAR-10g [W/kg] | 0.096 | 0.110 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.9 |
| Dist 3dB Peak [mm] | | 13.5 |



Test Date : 2023-10-31 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

4_GSM1900_GPRS10_Left Cheek_Ch512_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | PCS 1900 | GSM, 10024 - DAC | 1850.200, 512 | 8.25 | 1.42 | 41.5 |

Hardware Setup

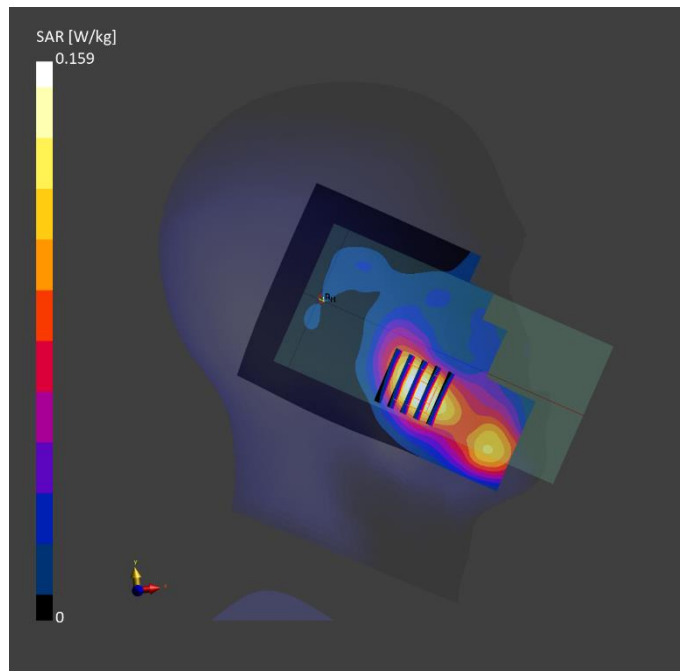
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.102 | 0.114 |
| psSAR-10g [W/kg] | 0.060 | 0.070 |
| Power Drift [dB] | | 0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 71.4 |
| Dist 3dB Peak [mm] | | 12.9 |



Test Date : 2023-10-31 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

5_GSM1900_GPRS12_Left Cheek_Ch810_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | PCS 1900 | GSM, 10028 - DAC | 1909.800, 810 | 8.25 | 1.46 | 41.4 |

Hardware Setup

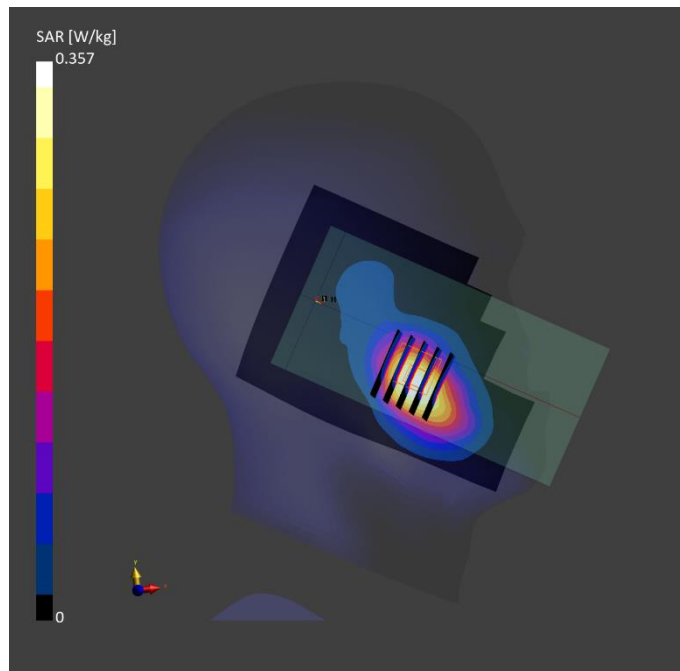
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.237 | 0.277 |
| psSAR-10g [W/kg] | 0.138 | 0.149 |
| Power Drift [dB] | | 0.12 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.3 |
| Dist 3dB Peak [mm] | | 6.4 |



Test Date : 2023-10-31 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

6_GSM1900_GPRS10_Right Cheek_Ch661_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | PCS 1900 | GSM, 10024 - DAC | 1880.000, 661 | 8.25 | 1.44 | 41.4 |

Hardware Setup

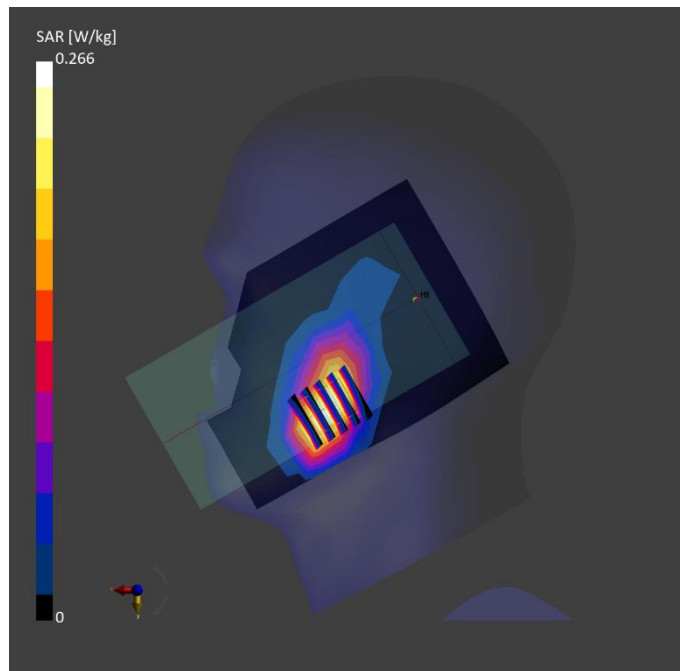
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.216 | 0.222 |
| psSAR-10g [W/kg] | 0.125 | 0.138 |
| Power Drift [dB] | | -0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 78.8 |
| Dist 3dB Peak [mm] | | 12.4 |



Test Date : 2023-10-31 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

7_WCDMA Band II_RMC12.2K_Right Cheek_Ch9262_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 2 | WCDMA, 10457 - AAB | 1852.400, 9262 | 8.25 | 1.43 | 41.5 |

Hardware Setup

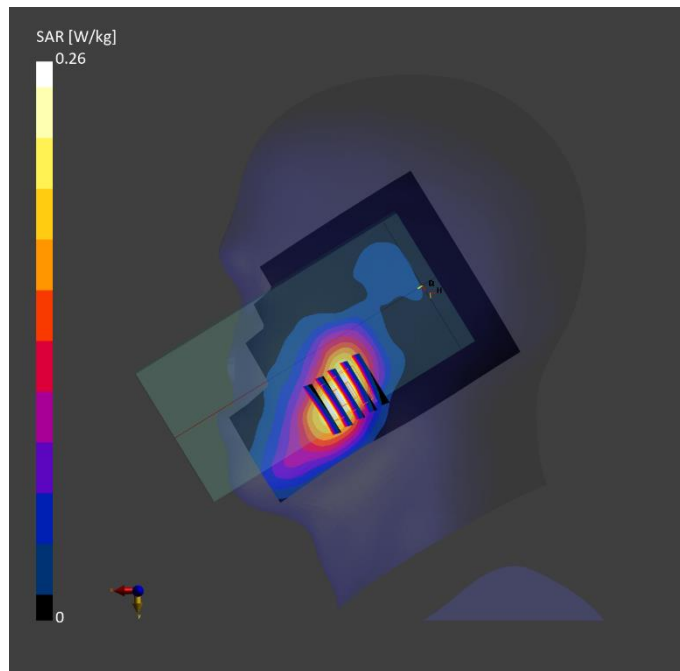
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.192 | 0.203 |
| psSAR-10g [W/kg] | 0.113 | 0.131 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 68.7 |
| Dist 3dB Peak [mm] | | 14.9 |



Test Date : 2023-10-31 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

8_WCDMA Band II_RMC12.2K_Left Cheek_Ch9400_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 2 | WCDMA, 10457 - AAB | 1880.000, 9400 | 8.25 | 1.44 | 41.4 |

Hardware Setup

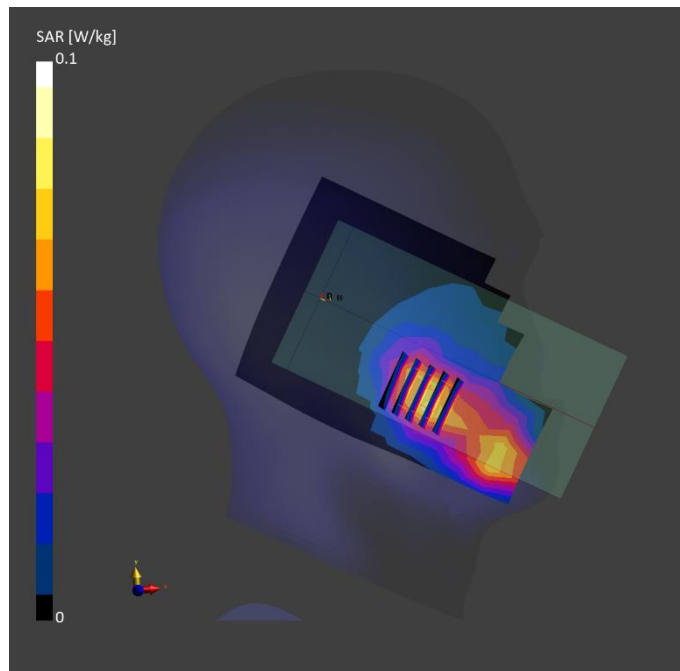
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.069 | 0.072 |
| psSAR-10g [W/kg] | 0.040 | 0.045 |
| Power Drift [dB] | | -0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 68.0 |
| Dist 3dB Peak [mm] | | 15.2 |



Test Date : 2023-10-31 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

9_WCDMA Band II_RMC12.2K_Left Cheek_Ch9262_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 2 | WCDMA, 10457 - AAB | 1852.400, 9262 | 8.25 | 1.43 | 41.5 |

Hardware Setup

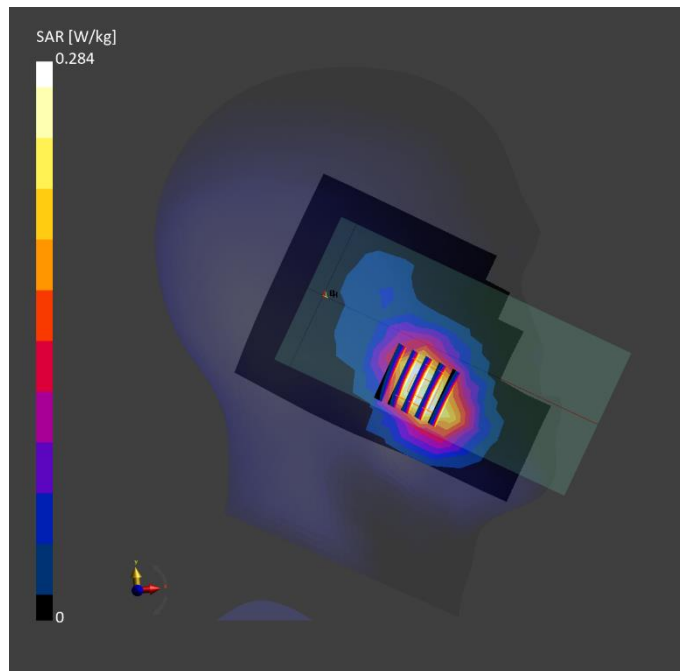
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.255 | 0.279 |
| psSAR-10g [W/kg] | 0.150 | 0.172 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.4 |
| Dist 3dB Peak [mm] | | 14.1 |



Test Date : 2023-10-31 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

10_WCDMA Band II_RMC12.2K_Right Cheek_Ch9400_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 2 | WCDMA, 10457 - AAB | 1880.000, 9400 | 8.25 | 1.44 | 41.4 |

Hardware Setup

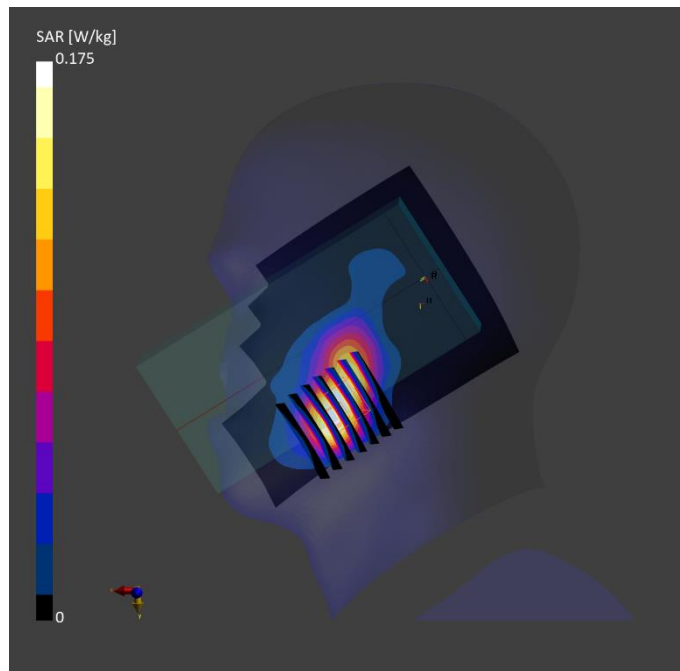
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.117 | 0.126 |
| psSAR-10g [W/kg] | 0.068 | 0.075 |
| Power Drift [dB] | | 0.11 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 59.4 |
| Dist 3dB Peak [mm] | | 12.7 |



Test Date : 2023-10-25 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

11_WCDMA Band IV_RMC12.2K_Right Cheek_Ch1513_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 4 | WCDMA, 10457 - AAB | 1752.600, 1513 | 8.68 | 1.37 | 42.7 |

Hardware Setup

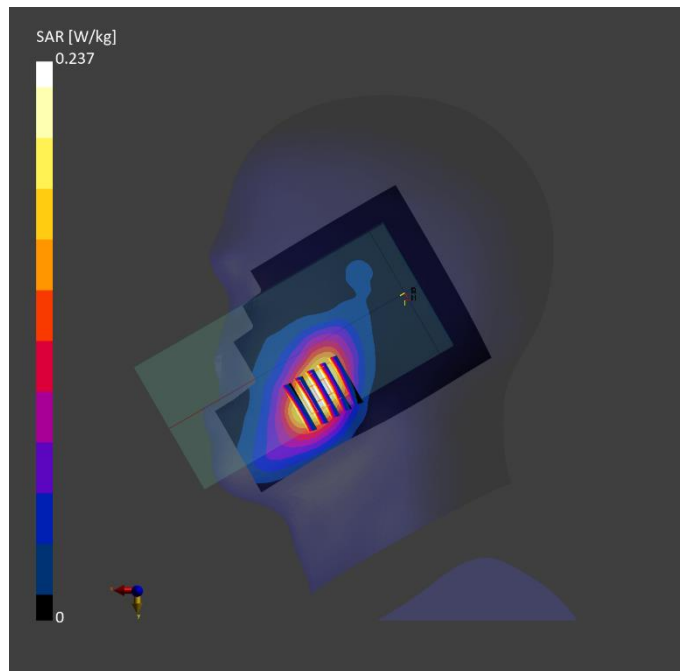
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.223 | 0.238 |
| psSAR-10g [W/kg] | 0.131 | 0.151 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.7 |
| Dist 3dB Peak [mm] | | 14.5 |



Test Date : 2023-10-25 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

12_WCDMA Band IV_RMC12.2K_Left Cheek_Ch1513_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 4 | WCDMA, 10457 - AAB | 1752.600, 1513 | 8.68 | 1.37 | 42.7 |

Hardware Setup

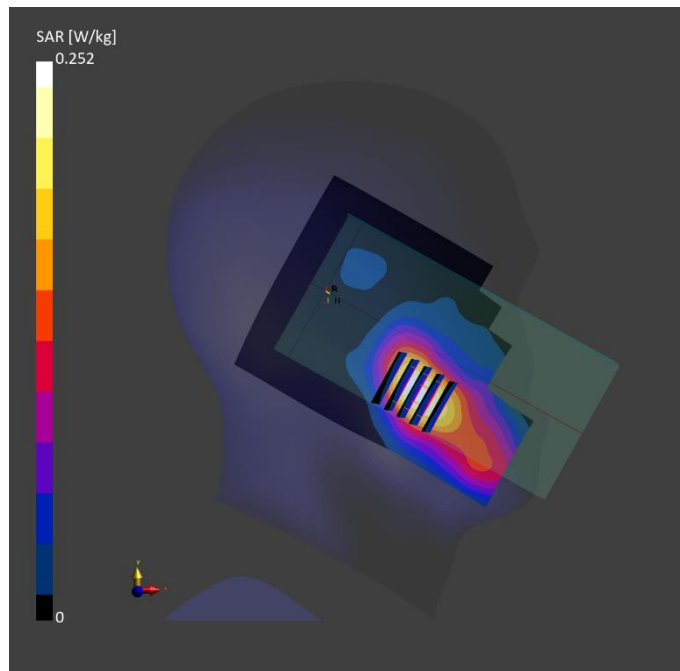
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.091 | 0.097 |
| psSAR-10g [W/kg] | 0.054 | 0.062 |
| Power Drift [dB] | | 0.15 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.2 |
| Dist 3dB Peak [mm] | | 16.2 |



Test Date : 2023-10-25 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

13_WCDMA Band IV_RMC12.2K_Left Cheek_Ch1513_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 4 | WCDMA, 10457 - AAB | 1752.600, 1513 | 8.68 | 1.37 | 42.7 |

Hardware Setup

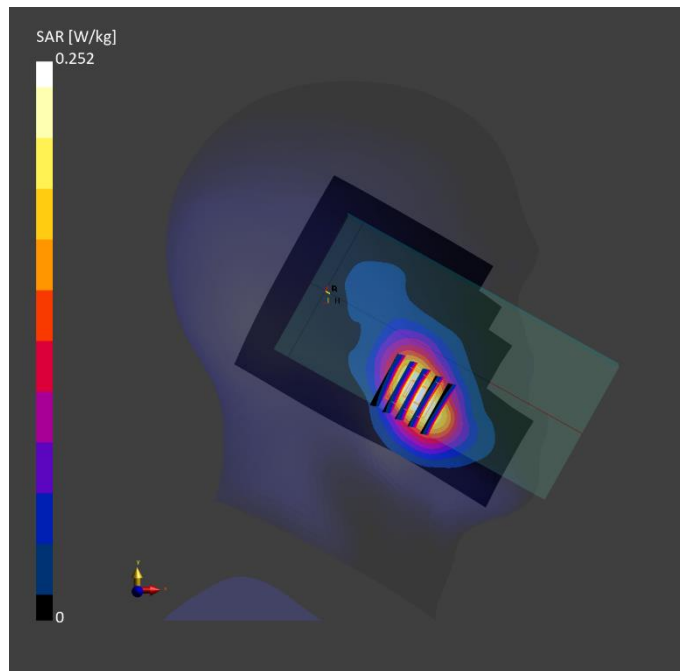
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.179 | 0.191 |
| psSAR-10g [W/kg] | 0.105 | 0.119 |
| Power Drift [dB] | | 0.05 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.3 |
| Dist 3dB Peak [mm] | | 14.1 |



Test Date : 2023-10-25 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

14_WCDMA Band IV_RMC12.2K_Right Cheek_Ch1513_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 4 | WCDMA, 10457 - AAB | 1752.600, 1513 | 8.68 | 1.37 | 42.7 |

Hardware Setup

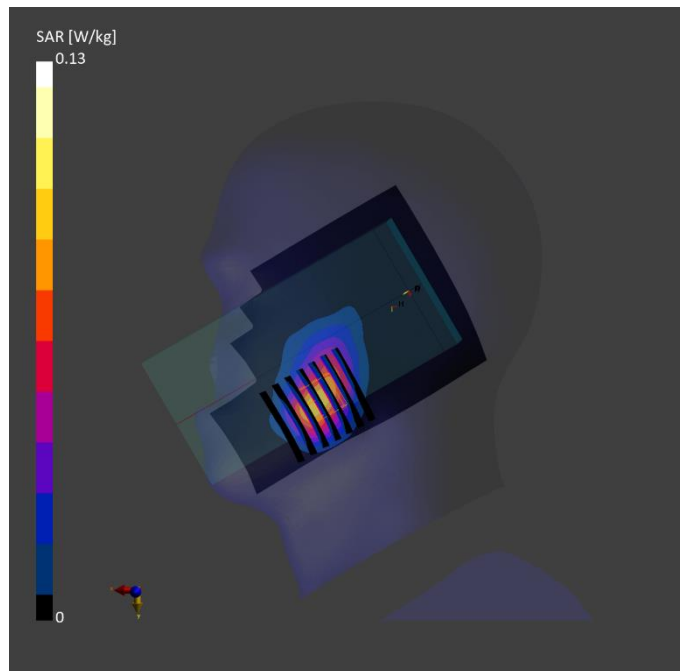
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.096 | 0.097 |
| psSAR-10g [W/kg] | 0.056 | 0.059 |
| Power Drift [dB] | | -0.13 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 58.6 |
| Dist 3dB Peak [mm] | | 12.4 |



Test Date : 2023-10-23 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

15_WCDMA Band V_RMC12.2K_Right Cheek_Ch4182_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 5 | WCDMA, 10457 - AAB | 836.400, 4182 | 9.67 | 0.953 | 43.5 |

Hardware Setup

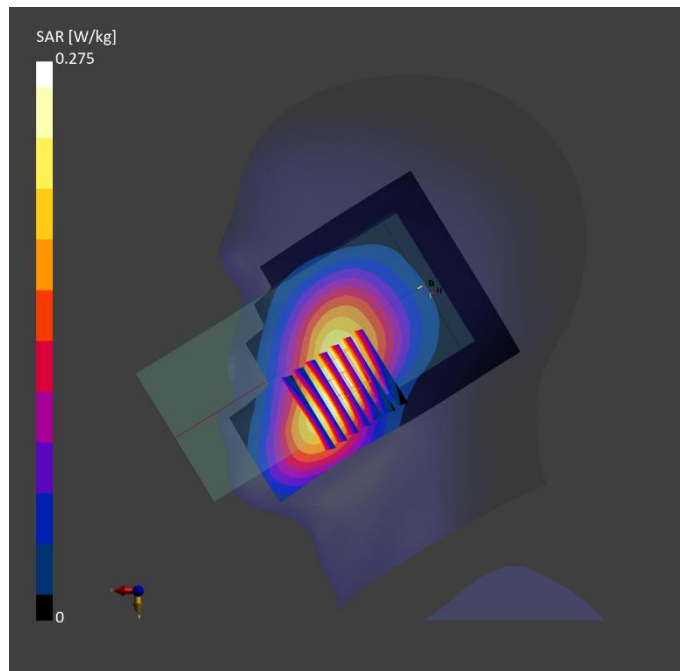
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.219 | 0.229 |
| psSAR-10g [W/kg] | 0.149 | 0.170 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 75.5 |
| Dist 3dB Peak [mm] | | 17.6 |



Test Date : 2023-10-23 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

16_WCDMA Band V_RMC12.2K_Left Cheek_Ch4132_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 5 | WCDMA, 10457 - AAB | 826.400, 4132 | 9.67 | 0.949 | 43.5 |

Hardware Setup

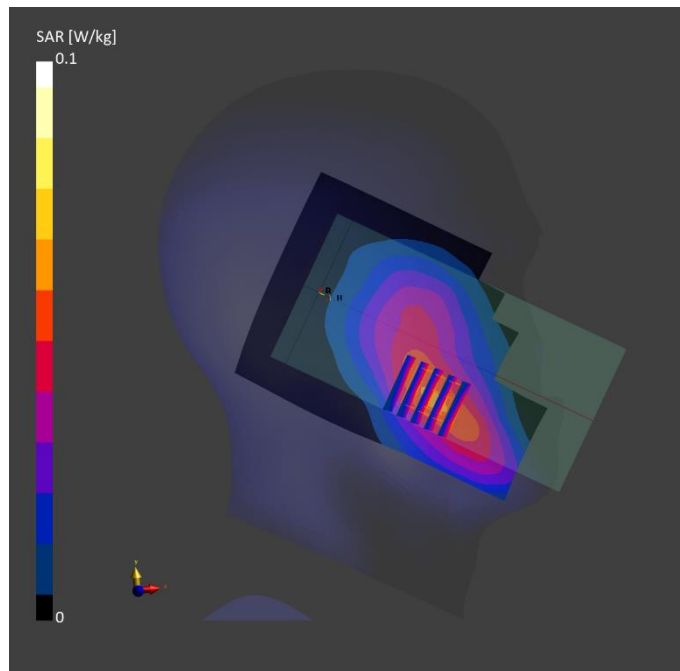
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.052 | 0.054 |
| psSAR-10g [W/kg] | 0.035 | 0.040 |
| Power Drift [dB] | | -0.14 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 72.8 |
| Dist 3dB Peak [mm] | | 15.4 |



Test Date : 2023-10-23 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

25_LTE Band 5_QPSK10M_Right Cheek_Ch20525_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 5 | LTE-FDD, 10175 - CAH | 836.500, 20525 | 9.67 | 0.953 | 43.5 |

Hardware Setup

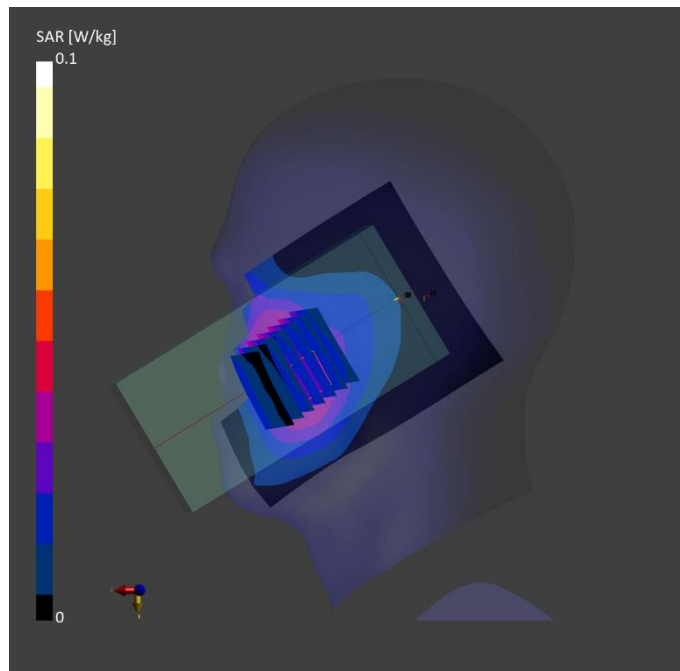
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.041 | 0.044 |
| psSAR-10g [W/kg] | 0.029 | 0.035 |
| Power Drift [dB] | | -0.07 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 80.5 |
| Dist 3dB Peak [mm] | | 28.0 |



Test Date : 2023-10-23 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

26_LTE Band 5_QPSK10M_Left Cheek_Ch20600_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 5 | LTE-FDD, 10175 - CAH | 844.000, 20600 | 9.67 | 0.956 | 43.5 |

Hardware Setup

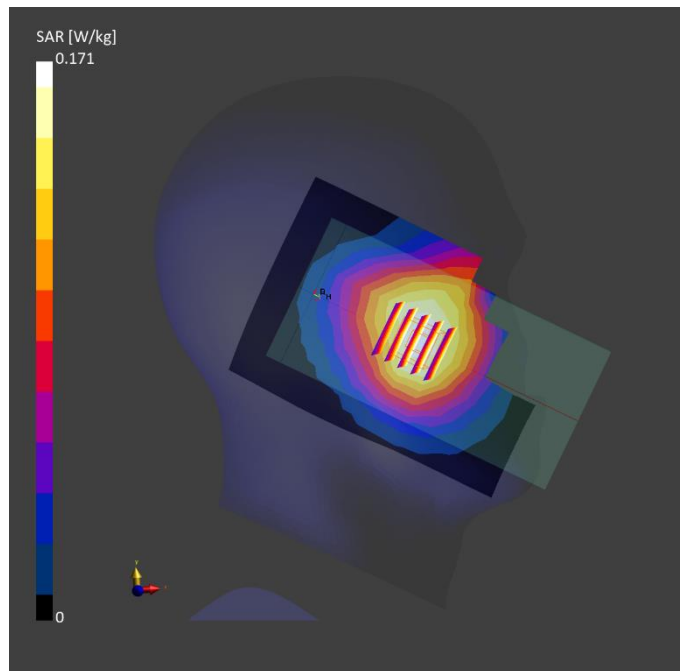
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.152 | 0.163 |
| psSAR-10g [W/kg] | 0.106 | 0.130 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 81.6 |
| Dist 3dB Peak [mm] | | 15.0 |



Test Date : 2023-10-26 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

27_LTE Band 7_QPSK20M_Right Cheek_Ch21100_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 7 | LTE-FDD, 10169 - CAF | 2535.000, 21100 | 7.36 | 1.86 | 40.9 |

Hardware Setup

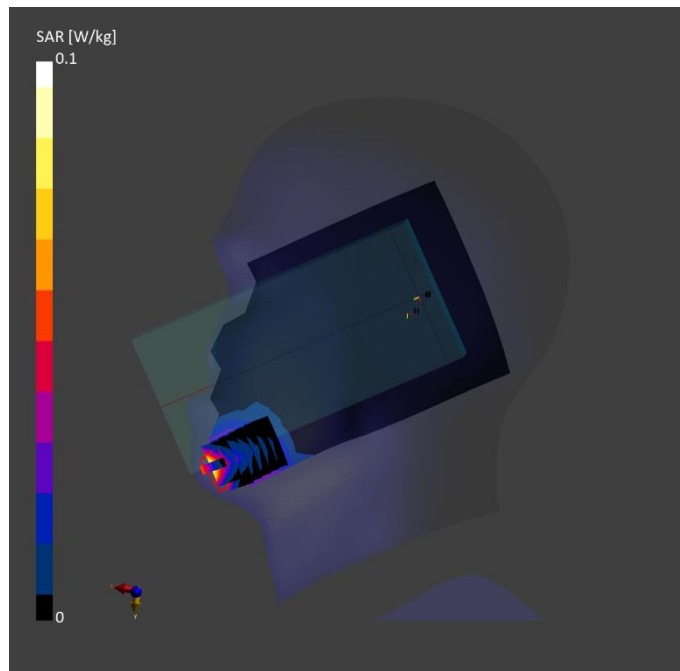
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.086 | 0.087 |
| psSAR-10g [W/kg] | 0.042 | 0.049 |
| Power Drift [dB] | | -0.13 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.0 |
| Dist 3dB Peak [mm] | | 10.2 |



Test Date : 2023-10-26 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

28_LTE Band 7_QPSK20M_Left Cheek_Ch21100_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 7 | LTE-FDD, 10169 - CAF | 2535.000, 21100 | 7.36 | 1.86 | 40.9 |

Hardware Setup

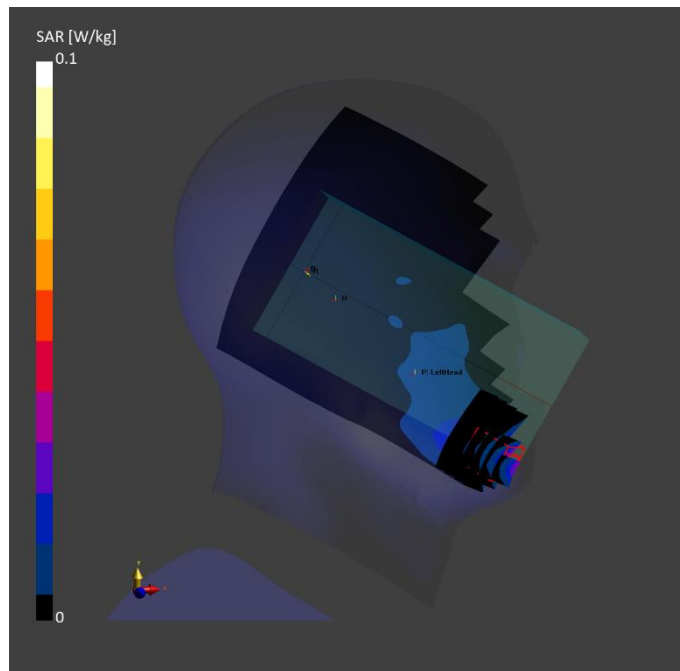
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.035 | 0.033 |
| psSAR-10g [W/kg] | 0.017 | 0.020 |
| Power Drift [dB] | | 0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 72.4 |
| Dist 3dB Peak [mm] | | 9.7 |



Test Date : 2023-10-26 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

29_LTE Band 7_QPSK20M_Left Cheek_Ch21100_1RB_Offset0_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 7 | LTE-FDD, 10169 - CAF | 2535.000, 21100 | 7.36 | 1.86 | 40.9 |

Hardware Setup

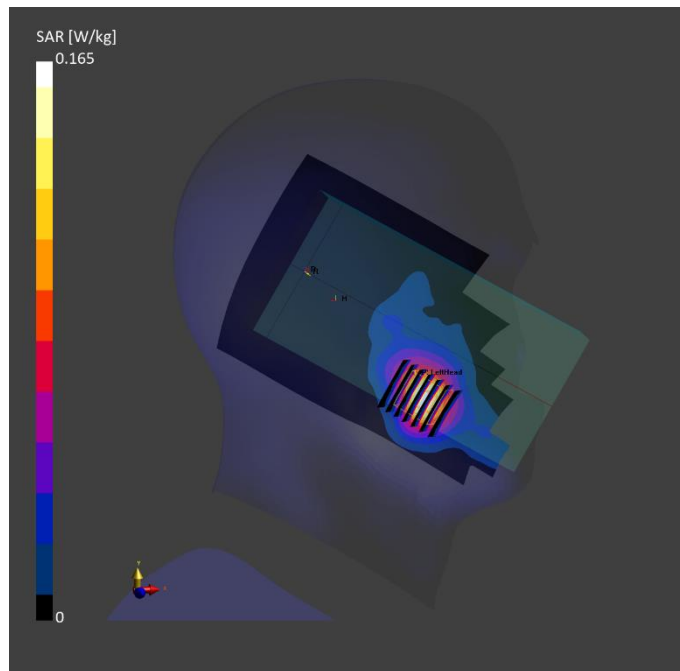
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

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] | 0.107 | 0.112 |
| psSAR-10g [W/kg] | 0.053 | 0.054 |
| Power Drift [dB] | | 0.07 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.7 |
| Dist 3dB Peak [mm] | | 11.4 |



Test Date : 2023-10-26 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

30_LTE Band 7_QPSK20M_Right Cheek_Ch21100_1RB_Offset0_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 7 | LTE-FDD, 10169 - CAF | 2535.000, 21100 | 7.36 | 1.86 | 40.9 |

Hardware Setup

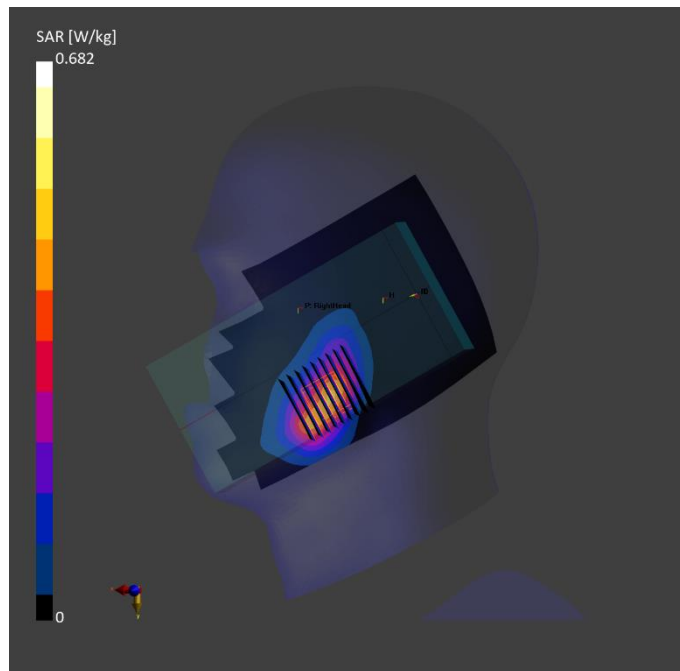
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.449 | 0.479 |
| psSAR-10g [W/kg] | 0.240 | 0.259 |
| Power Drift [dB] | | 0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.2 |
| Dist 3dB Peak [mm] | | 11.1 |



Test Date : 2023-10-24 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

31_LTE Band 12_QPSK10M_Right Cheek_Ch23060_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 12 | LTE-FDD, 10175 - CAH | 704.000, 23060 | 9.81 | 0.879 | 44.7 |

Hardware Setup

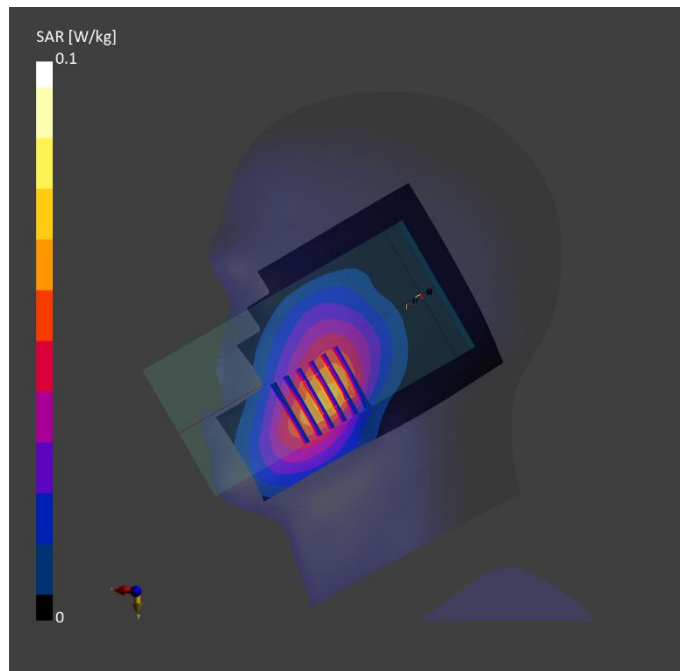
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.063 | 0.065 |
| psSAR-10g [W/kg] | 0.043 | 0.048 |
| Power Drift [dB] | | -0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 73.1 |
| Dist 3dB Peak [mm] | | 14.0 |



Test Date : 2023-10-24 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

32_LTE Band 12_QPSK10M_Left Cheek_Ch23060_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 12 | LTE-FDD, 10175 - CAH | 704.000, 23060 | 9.81 | 0.879 | 44.7 |

Hardware Setup

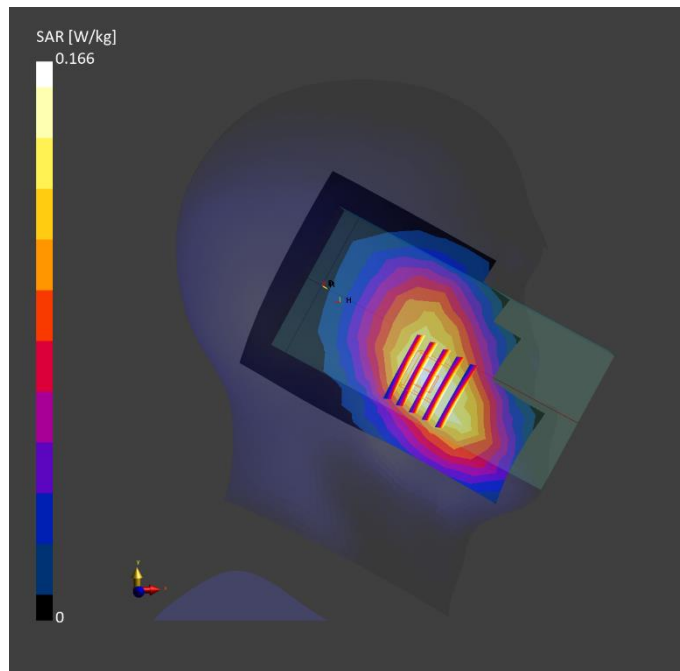
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.151 | 0.158 |
| psSAR-10g [W/kg] | 0.104 | 0.118 |
| Power Drift [dB] | | -0.11 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 73.8 |
| Dist 3dB Peak [mm] | | 17.5 |



Test Date : 2023-10-24 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

33_LTE Band 13_QPSK10M_Right Cheek_Ch23230_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 13 | LTE-FDD, 10175 - CAH | 782.000, 23230 | 9.81 | 0.906 | 44.5 |

Hardware Setup

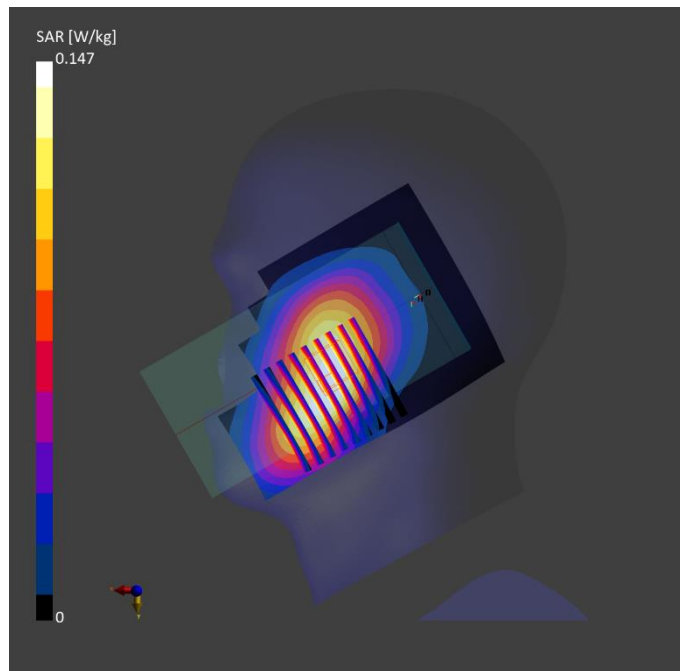
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.118 | 0.123 |
| psSAR-10g [W/kg] | 0.082 | 0.094 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 73.5 |
| Dist 3dB Peak [mm] | | 16.1 |



Test Date : 2023-10-24 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

34_LTE Band 13_QPSK10M_Left Cheek_Ch23230_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 13 | LTE-FDD, 10175 - CAH | 782.000, 23230 | 9.81 | 0.906 | 44.5 |

Hardware Setup

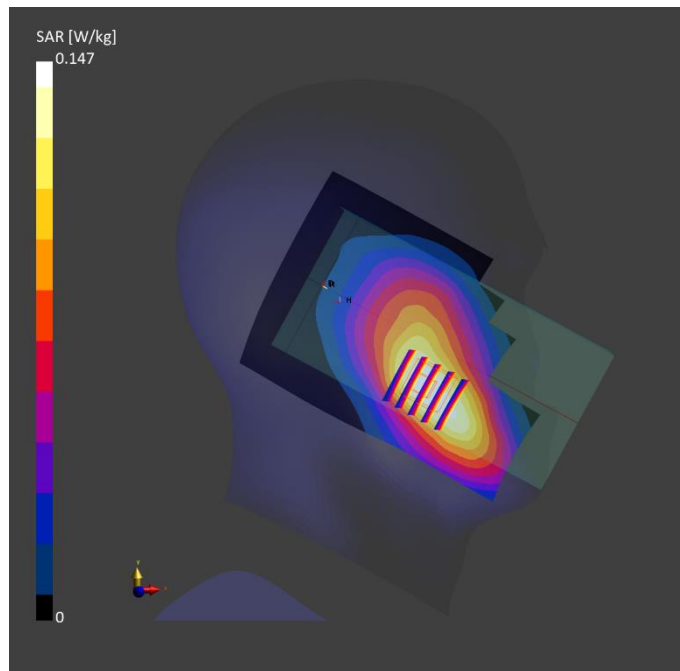
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.114 | 0.119 |
| psSAR-10g [W/kg] | 0.079 | 0.088 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 74.0 |
| Dist 3dB Peak [mm] | | 17.5 |



Test Date : 2023-10-24 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

35_LTE Band 14_QPSK10M_Right Cheek_Ch23330_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 14 | LTE-FDD, 10175 - CAH | 793.000, 23330 | 9.81 | 0.910 | 44.4 |

Hardware Setup

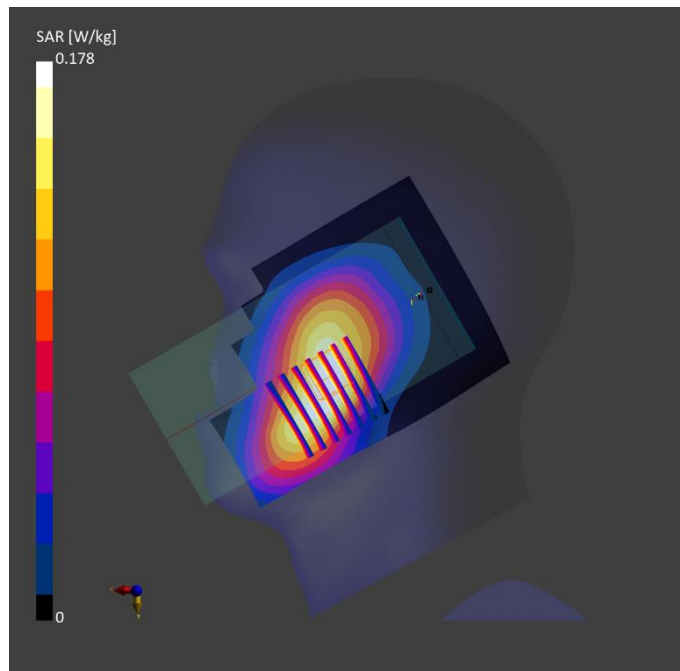
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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 | 0.148 |
| psSAR-10g [W/kg] | 0.097 | 0.111 |
| Power Drift [dB] | | -0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 72.8 |
| Dist 3dB Peak [mm] | | 15.5 |



Test Date : 2023-10-24 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

36_LTE Band 14_QPSK10M_Left Cheek_Ch23330_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 14 | LTE-FDD, 10175 - CAH | 793.000, 23330 | 9.81 | 0.910 | 44.4 |

Hardware Setup

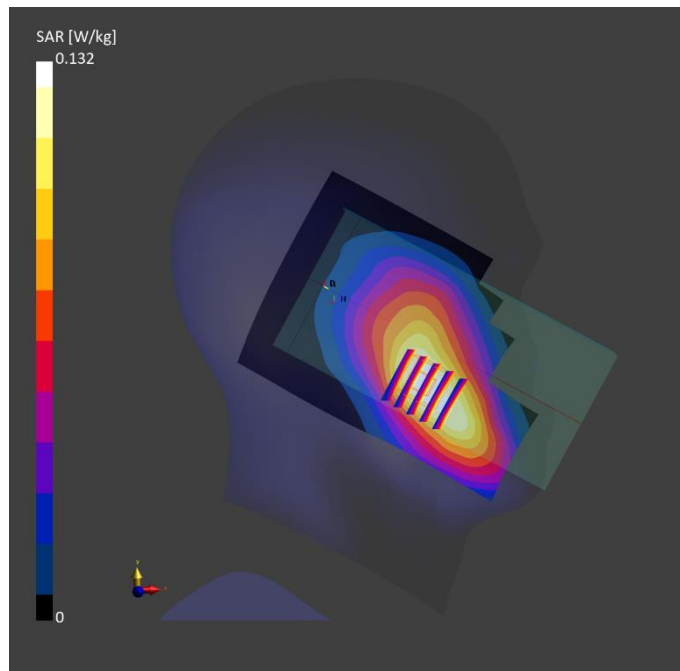
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.101 | 0.107 |
| psSAR-10g [W/kg] | 0.069 | 0.079 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 74.1 |
| Dist 3dB Peak [mm] | | 17.5 |



Test Date : 2023-11-01 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

37_LTE Band 25_QPSK20M_Right Cheek_Ch26365_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 25 | LTE-FDD, 10169 - CAF | 1882.500, 26365 | 7.7 | 1.46 | 42.0 |

Hardware Setup

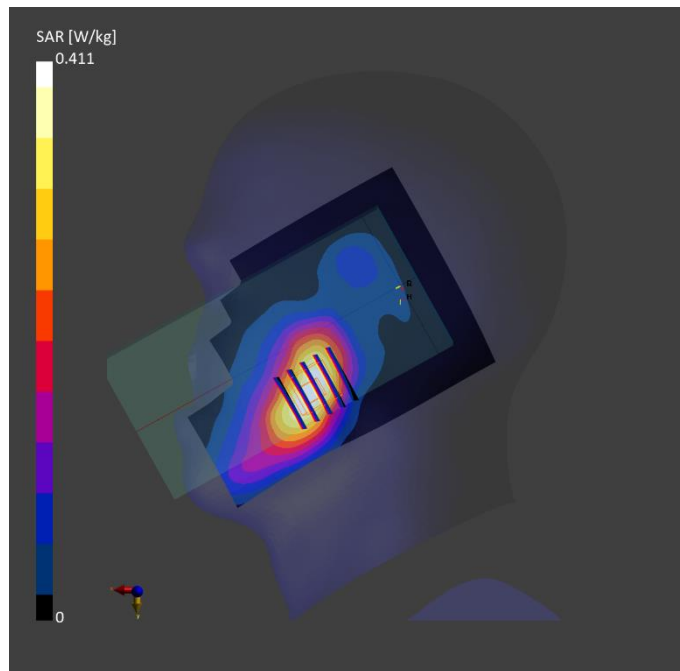
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.316 | 0.330 |
| psSAR-10g [W/kg] | 0.188 | 0.218 |
| Power Drift [dB] | | 0.12 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 72.5 |
| Dist 3dB Peak [mm] | | 14.2 |



Test Date : 2023-11-01 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

38_LTE Band 25_QPSK20M_Left Cheek_Ch26140_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 25 | LTE-FDD, 10169 - CAF | 1860.000, 26140 | 7.7 | 1.45 | 42.0 |

Hardware Setup

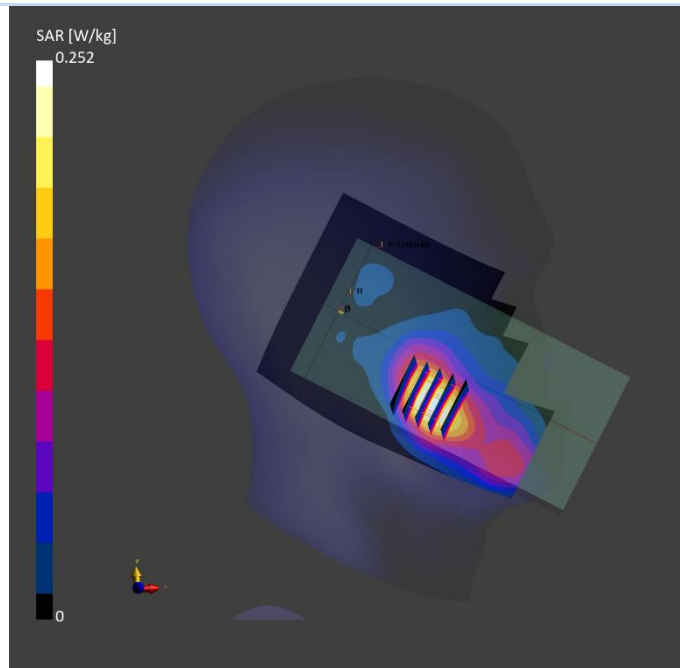
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.180 | 0.193 |
| psSAR-10g [W/kg] | 0.106 | 0.122 |
| Power Drift [dB] | | -0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.1 |
| Dist 3dB Peak [mm] | | 14.3 |



Test Date : 2023-11-01 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

39_LTE Band 25_QPSK20M_Left Cheek_Ch26140_1RB_Offset0_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 25 | LTE-FDD, 10169 - CAF | 1860.000, 26140 | 7.7 | 1.45 | 42.0 |

Hardware Setup

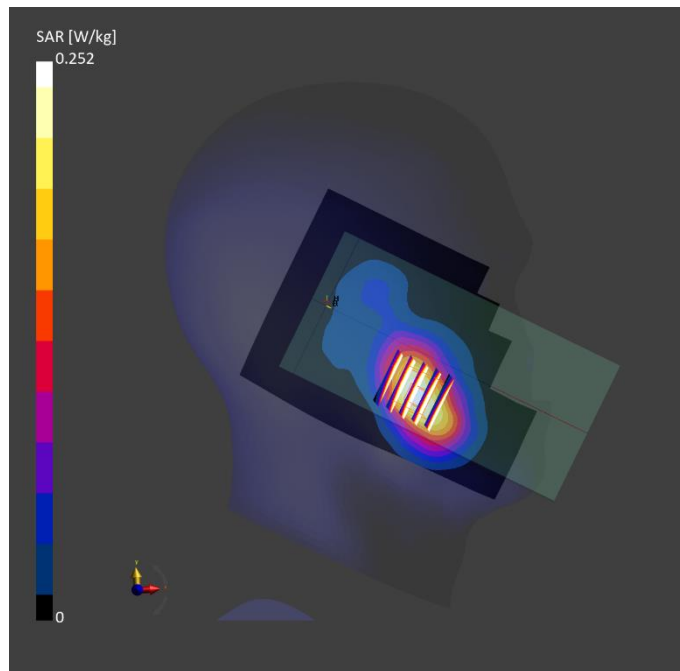
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.443 | 0.483 |
| psSAR-10g [W/kg] | 0.260 | 0.301 |
| Power Drift [dB] | | -0.14 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 70.2 |
| Dist 3dB Peak [mm] | | 12.7 |



Test Date : 2023-11-01 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

40_LTE Band 25_QPSK20M_Right Cheek_Ch26140_1RB_Offset0_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 25 | LTE-FDD, 10169 - CAF | 1860.000, 26140 | 7.7 | 1.45 | 42.0 |

Hardware Setup

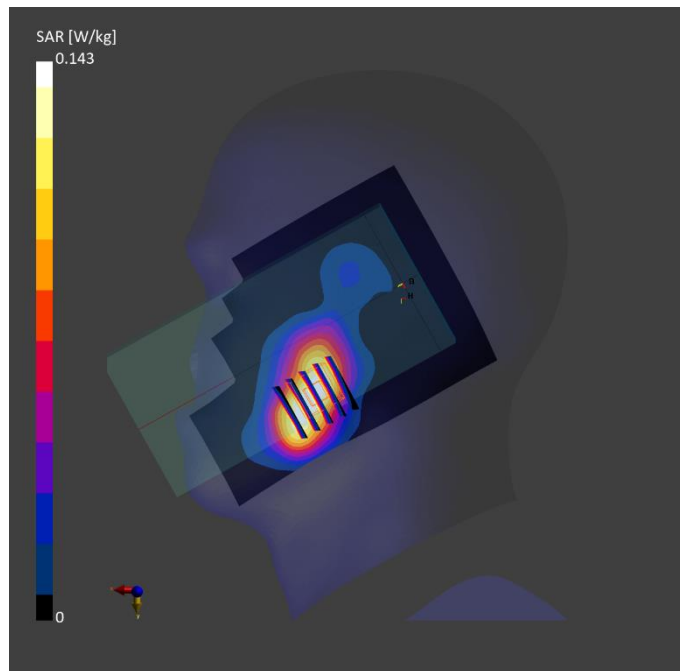
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.108 | 0.112 |
| psSAR-10g [W/kg] | 0.063 | 0.071 |
| Power Drift [dB] | | -0.08 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.1 |
| Dist 3dB Peak [mm] | | 10.4 |



Test Date : 2023-10-23 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

41_LTE Band 26_QPSK15M_Right Cheek_Ch26865_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 26 | LTE-FDD, 10181 - CAF | 831.500, 26865 | 9.67 | 0.951 | 43.5 |

Hardware Setup

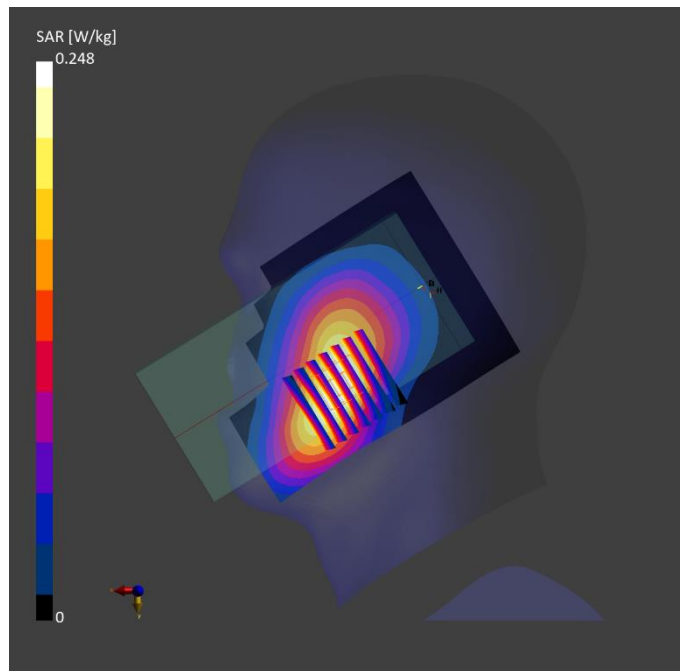
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.197 | 0.205 |
| psSAR-10g [W/kg] | 0.134 | 0.152 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 74.8 |
| Dist 3dB Peak [mm] | | 17.8 |



Test Date : 2023-10-23 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

42_LTE Band 26_QPSK15M_Left Cheek_Ch26865_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 26 | LTE-FDD, 10181 - CAF | 831.500, 26865 | 9.67 | 0.951 | 43.5 |

Hardware Setup

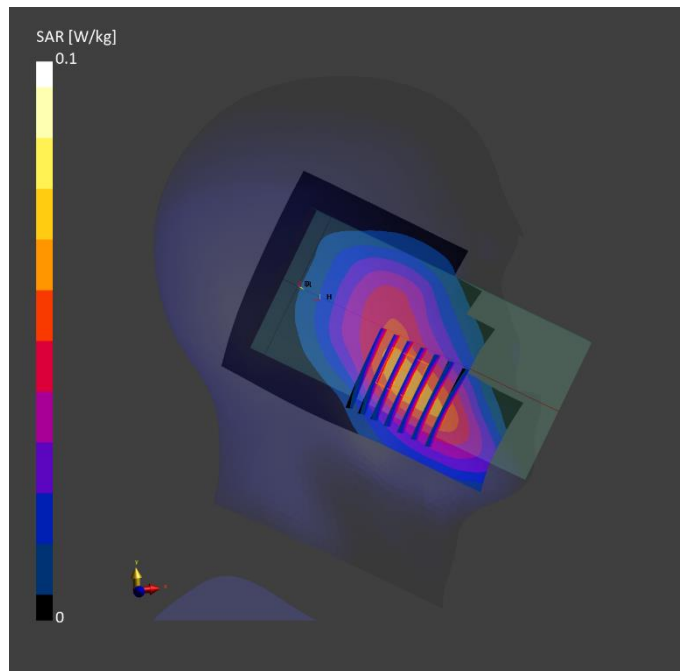
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.056 | 0.059 |
| psSAR-10g [W/kg] | 0.039 | 0.044 |
| Power Drift [dB] | | 0.07 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 74.3 |
| Dist 3dB Peak [mm] | | 17.3 |



Test Date : 2023-11-03 | Ambient Temp : 22.7 °C | Tissue Temp : 22.4 °C

Test Mode

43_LTE Band 30_QPSK10M_Right Cheek_Ch27710_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 30 | LTE-FDD, 10175 - CAH | 2310.000, 27710 | 7.32 | 1.74 | 41.6 |

Hardware Setup

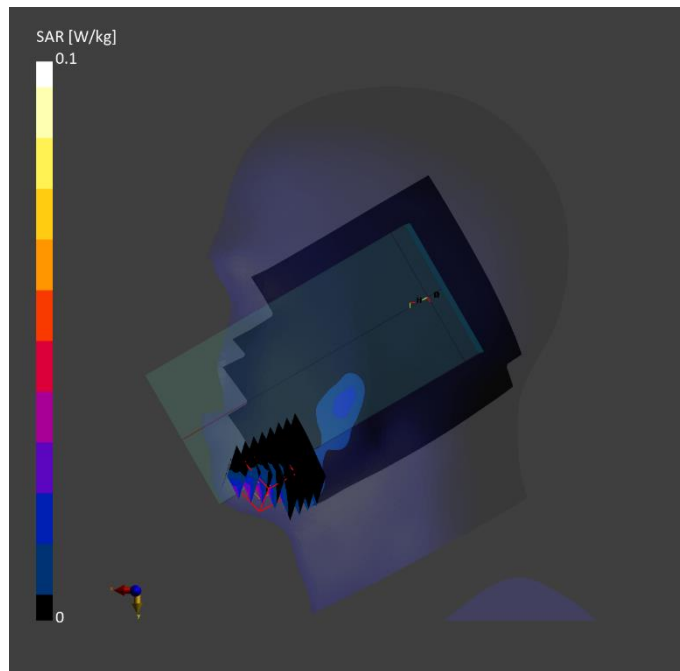
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.035 | 0.036 |
| psSAR-10g [W/kg] | 0.018 | 0.021 |
| Power Drift [dB] | | 0.11 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 70.2 |
| Dist 3dB Peak [mm] | | 10.2 |



Test Date : 2023-11-03 | Ambient Temp : 22.7 °C | Tissue Temp : 22.4 °C

Test Mode

44_LTE Band 30_QPSK10M_Left Cheek_Ch27710_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 30 | LTE-FDD, 10175 - CAH | 2310.000, 27710 | 7.32 | 1.74 | 41.6 |

Hardware Setup

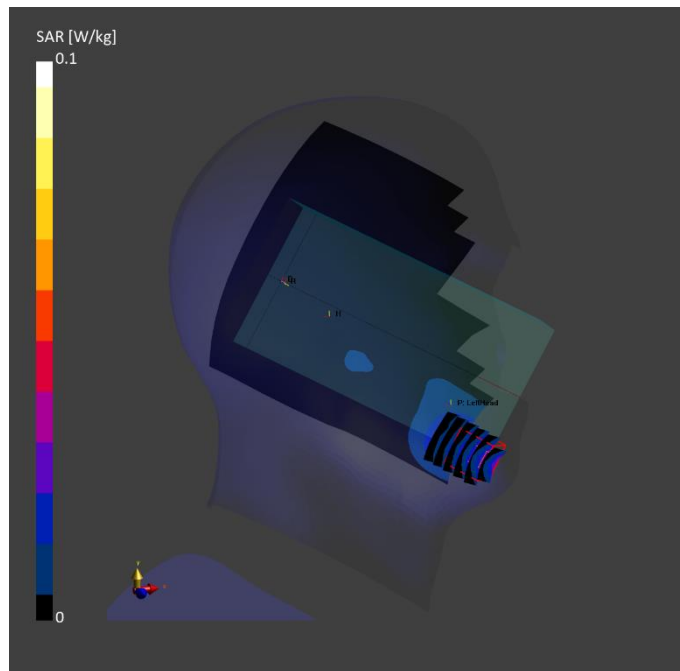
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.032 | 0.030 |
| psSAR-10g [W/kg] | 0.017 | 0.020 |
| Power Drift [dB] | | 0.11 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 72.5 |
| Dist 3dB Peak [mm] | | 12.3 |



Test Date : 2023-11-03 | Ambient Temp : 22.7 °C | Tissue Temp : 22.4 °C

Test Mode

45_LTE Band 30_QPSK10M_Left Cheek_Ch27710_1RB_Offset0_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 30 | LTE-FDD, 10175 - CAH | 2310.000, 27710 | 7.32 | 1.74 | 41.6 |

Hardware Setup

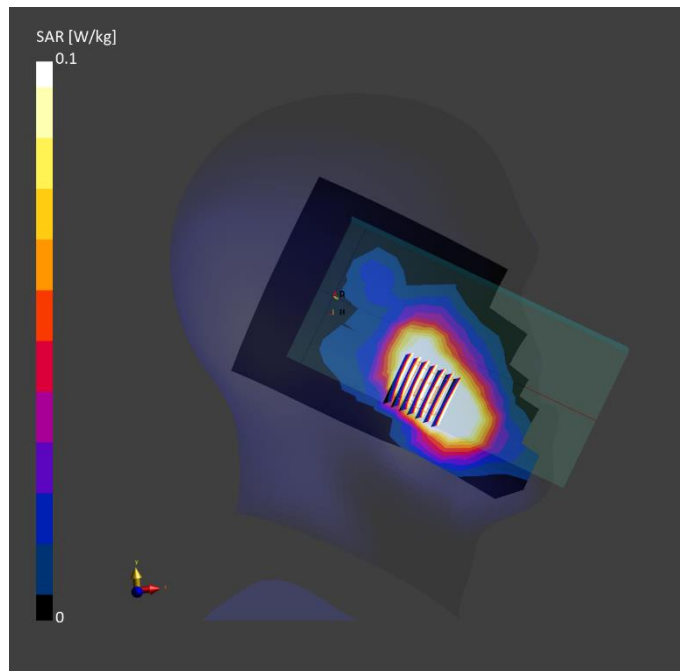
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.191 | 0.200 |
| psSAR-10g [W/kg] | 0.098 | 0.109 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.8 |
| Dist 3dB Peak [mm] | | 9.4 |



Test Date : 2023-11-03 | Ambient Temp : 22.7 °C | Tissue Temp : 22.4 °C

Test Mode

46_LTE Band 30_QPSK10M_Right Cheek_Ch27710_1RB_Offset0_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 30 | LTE-FDD, 10175 - CAH | 2310.000, 27710 | 7.32 | 1.74 | 41.6 |

Hardware Setup

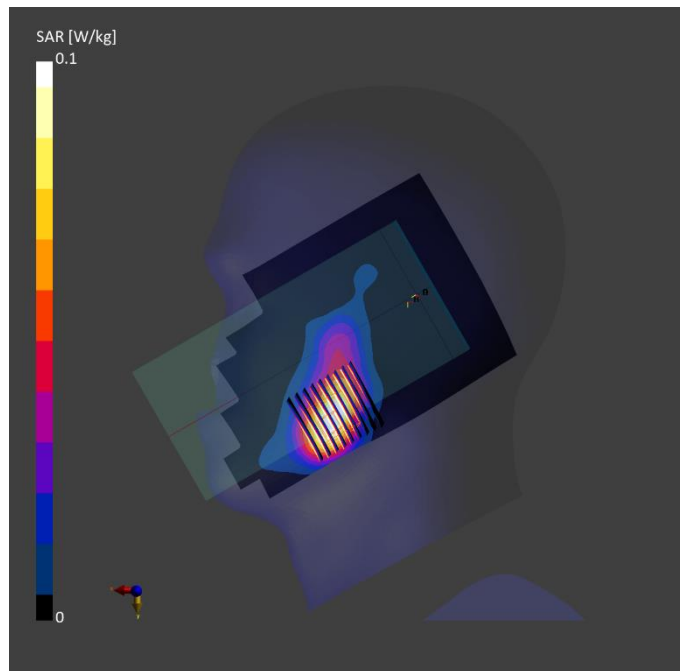
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.147 | 0.151 |
| psSAR-10g [W/kg] | 0.080 | 0.087 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 70.3 |
| Dist 3dB Peak [mm] | | 11.4 |



Test Date : 2023-10-26 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

47_LTE Band 38_QPSK20M_Right Cheek_Ch38000_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 38 | LTE-TDD, 10172 - CAH | 2595.000, 38000 | 7.36 | 1.91 | 40.8 |

Hardware Setup

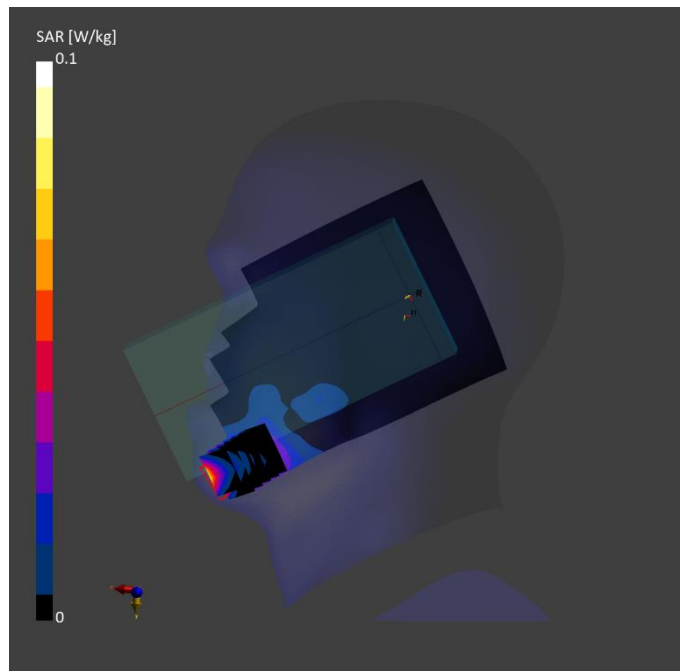
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.067 | 0.069 |
| psSAR-10g [W/kg] | 0.033 | 0.037 |
| Power Drift [dB] | | 0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 64.0 |
| Dist 3dB Peak [mm] | | 9.8 |



Test Date : 2023-10-26 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

48_LTE Band 38_QPSK20M_Left Cheek_Ch38000_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 38 | LTE-TDD, 10172 - CAH | 2595.000, 38000 | 7.36 | 1.91 | 40.8 |

Hardware Setup

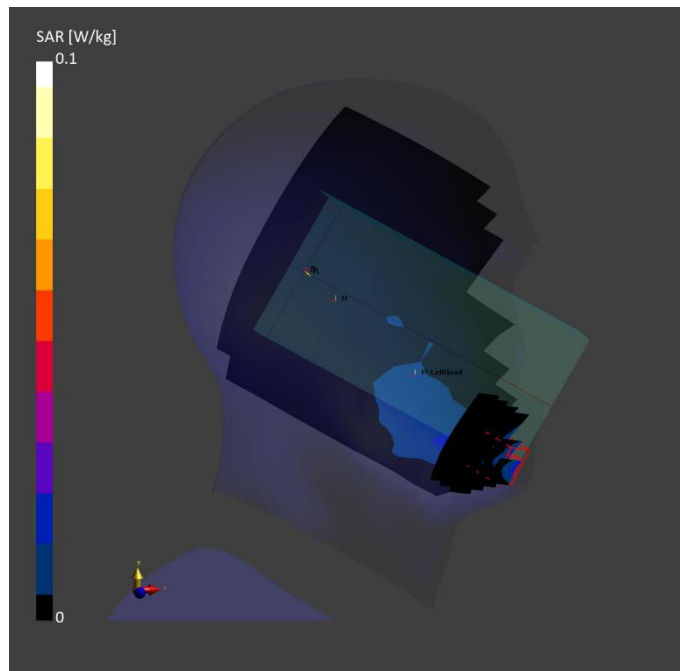
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.019 | 0.020 |
| psSAR-10g [W/kg] | 0.01 | 0.012 |
| Power Drift [dB] | | 0.15 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.8 |
| Dist 3dB Peak [mm] | | 10.8 |



Test Date : 2023-10-26 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

49_LTE Band 38_QPSK20M_Left Cheek_Ch38000_1RB_Offset0_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 38 | LTE-TDD, 10172 - CAH | 2595.000, 38000 | 7.36 | 1.91 | 40.8 |

Hardware Setup

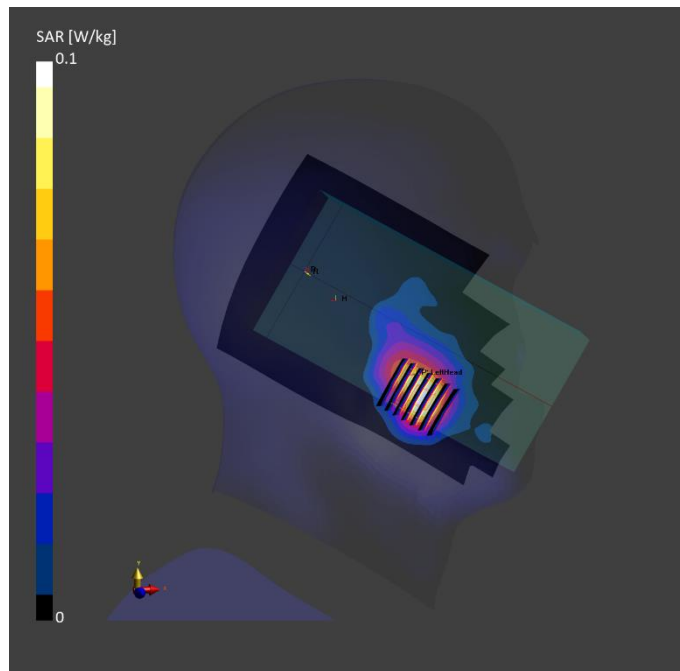
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

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] | 0.096 | 0.103 |
| psSAR-10g [W/kg] | 0.047 | 0.051 |
| Power Drift [dB] | | 0.08 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.4 |
| Dist 3dB Peak [mm] | | 12.1 |



Test Date : 2023-10-26 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

50_LTE Band 38_QPSK20M_Right Cheek_Ch37850_1RB_Offset0_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 38 | LTE-TDD, 10172 - CAH | 2580.000, 37850 | 7.36 | 1.90 | 40.8 |

Hardware Setup

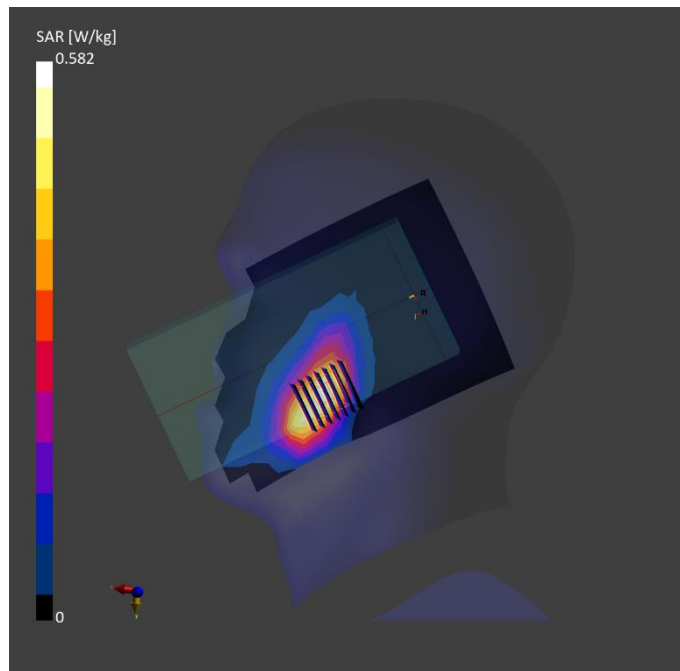
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.487 | 0.527 |
| psSAR-10g [W/kg] | 0.254 | 0.278 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | PoEsitive only | Positive only |
| M2 / M1 [%] | | 56.4 |
| Dist 3dB Peak [mm] | | 10.5 |



Test Date : 2023-11-03 | Ambient Temp : 22.7 °C | Tissue Temp : 22.4 °C

Test Mode

51_LTE Band 40_QPSK20M_Right Cheek_Ch38750_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 40 | LTE-TDD, 10172 - CAH | 2310.000, 38750 | 7.32 | 1.74 | 41.6 |

Hardware Setup

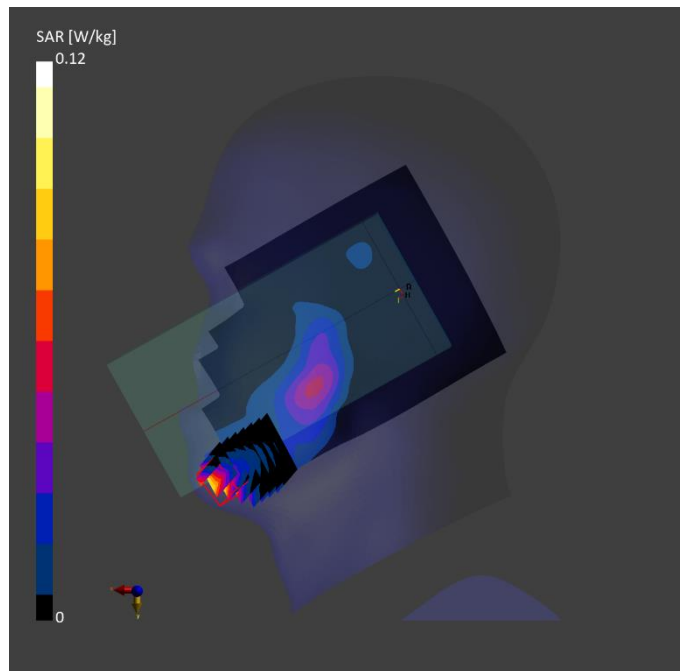
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.092 | 0.093 |
| psSAR-10g [W/kg] | 0.048 | 0.055 |
| Power Drift [dB] | | -0.10 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 71.6 |
| Dist 3dB Peak [mm] | | 11.9 |



Test Date : 2023-11-03 | Ambient Temp : 22.7 °C | Tissue Temp : 22.4 °C

Test Mode

52_LTE Band 40_QPSK20M_Left Cheek_Ch38750_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 40 | LTE-TDD, 10172 - CAH | 2310.000, 38750 | 7.32 | 1.74 | 41.6 |

Hardware Setup

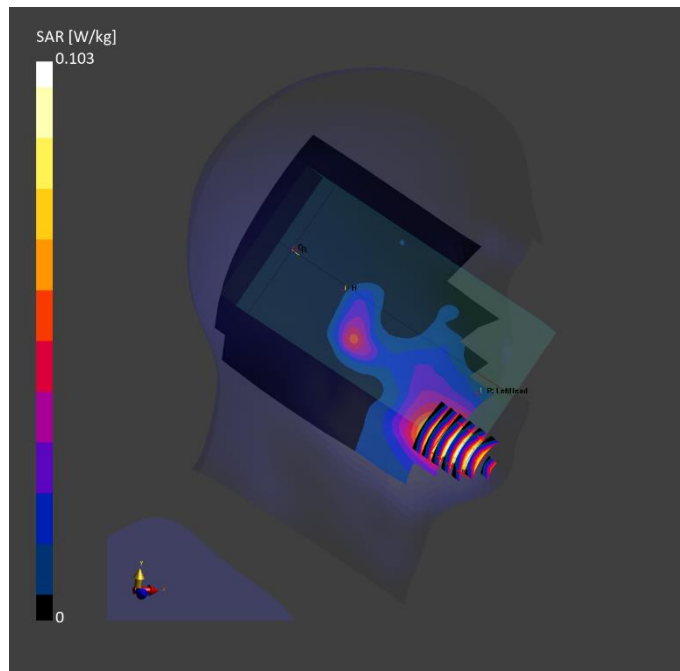
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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 | 0.084 |
| psSAR-10g [W/kg] | 0.045 | 0.052 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 72.5 |
| Dist 3dB Peak [mm] | | 14.8 |



Test Date : 2023-11-03 | Ambient Temp : 22.7 °C | Tissue Temp : 22.4 °C

Test Mode

53_LTE Band 40_QPSK20M_Left Cheek_Ch39150_1RB_Offset0_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 40 | LTE-TDD, 10172 - CAH | 2350.000, 39150 | 7.32 | 1.78 | 41.6 |

Hardware Setup

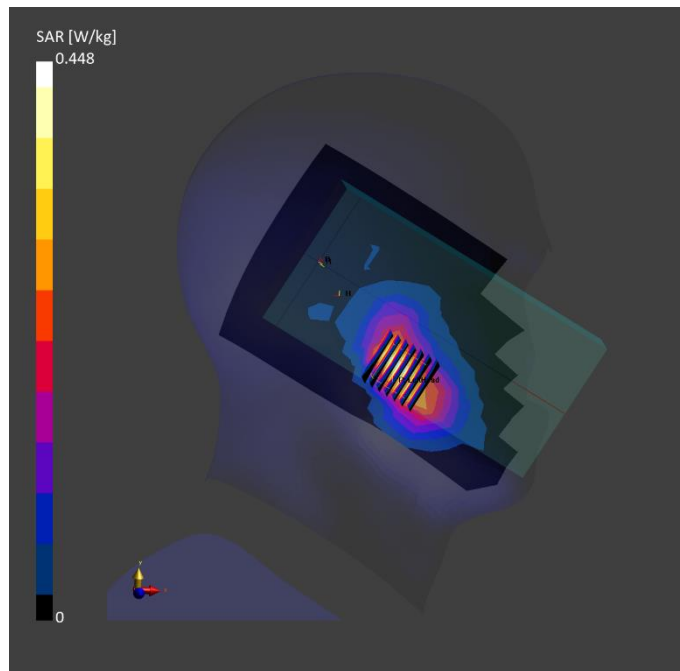
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.348 | 0.375 |
| psSAR-10g [W/kg] | 0.175 | 0.197 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 60.7 |
| Dist 3dB Peak [mm] | | 8.5 |



Test Date : 2023-11-03 | Ambient Temp : 22.7 °C | Tissue Temp : 22.4 °C

Test Mode

54_LTE Band 40_QPSK20M_Right Cheek_Ch39150_1RB_Offset0_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 40 | LTE-TDD, 10172 - CAH | 2350.000, 39150 | 7.32 | 1.78 | 41.6 |

Hardware Setup

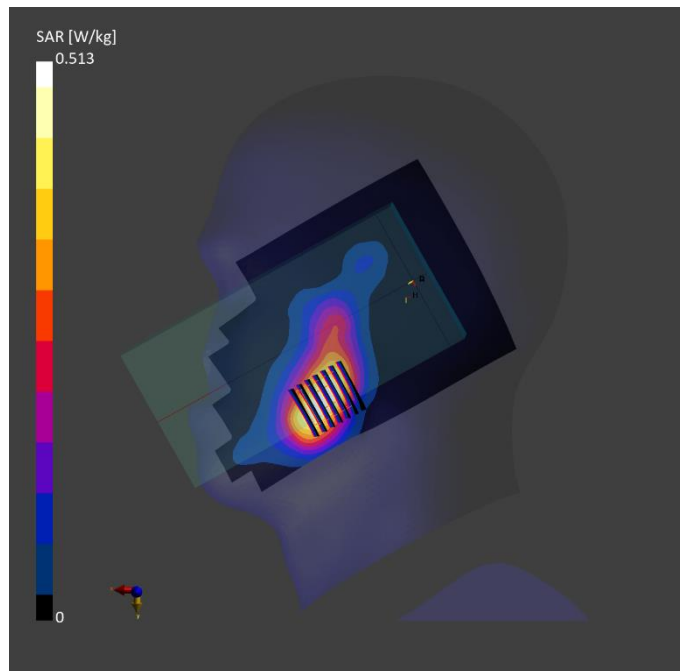
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.354 | 0.372 |
| psSAR-10g [W/kg] | 0.194 | 0.218 |
| Power Drift [dB] | | 0.11 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 68.9 |
| Dist 3dB Peak [mm] | | 11.1 |



Test Date : 2023-11-05 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

Test Mode

55_LTE Band 41_QPSK20M_Right Cheek_Ch41055_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 41 | LTE-TDD, 10172 - CAH | 2636.500, 41055 | 7.36 | 1.96 | 40.6 |

Hardware Setup

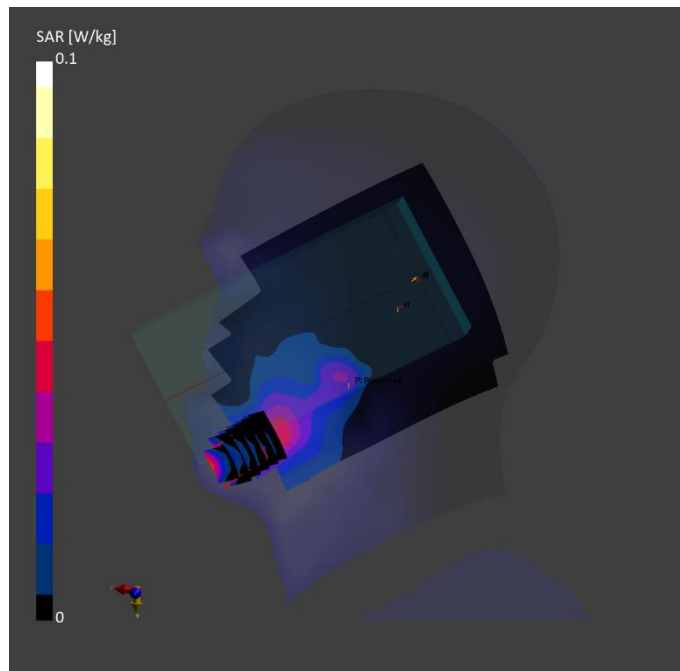
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

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] | 0.056 | 0.056 |
| psSAR-10g [W/kg] | 0.028 | 0.031 |
| Power Drift [dB] | | 0.12 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.4 |
| Dist 3dB Peak [mm] | | 10.1 |



Test Date : 2023-11-05 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

Test Mode

56_LTE Band 41_QPSK20M_Left Cheek_Ch40620_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 41 | LTE-TDD, 10172 - CAH | 2593.000, 40620 | 7.36 | 1.93 | 40.6 |

Hardware Setup

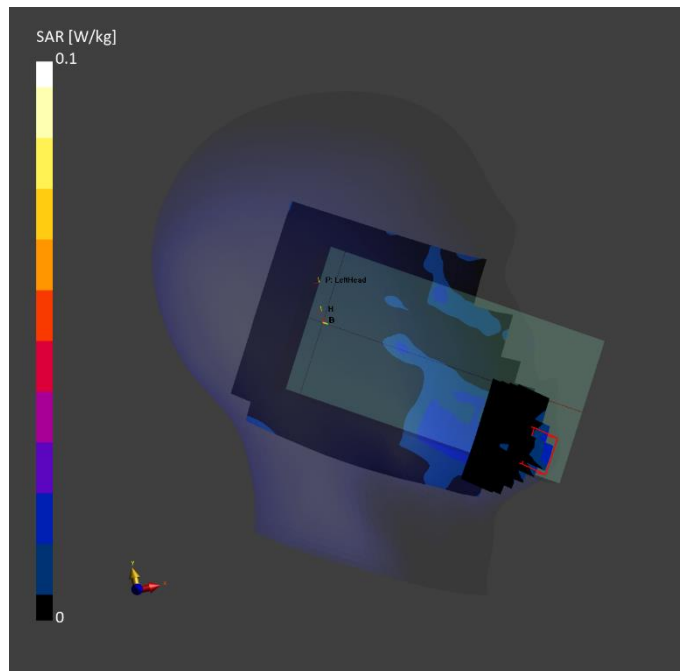
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.025 | 0.042 |
| psSAR-10g [W/kg] | 0.012 | 0.015 |
| Power Drift [dB] | | 0.07 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.8 |
| Dist 3dB Peak [mm] | | 5.4 |



Test Date : 2023-11-05 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

Test Mode

57_LTE Band 41_QPSK20M_Left Cheek_Ch40185_1RB_Offset0_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 41 | LTE-TDD, 10172 - CAH | 2549.500, 40185 | 7.36 | 1.90 | 40.7 |

Hardware Setup

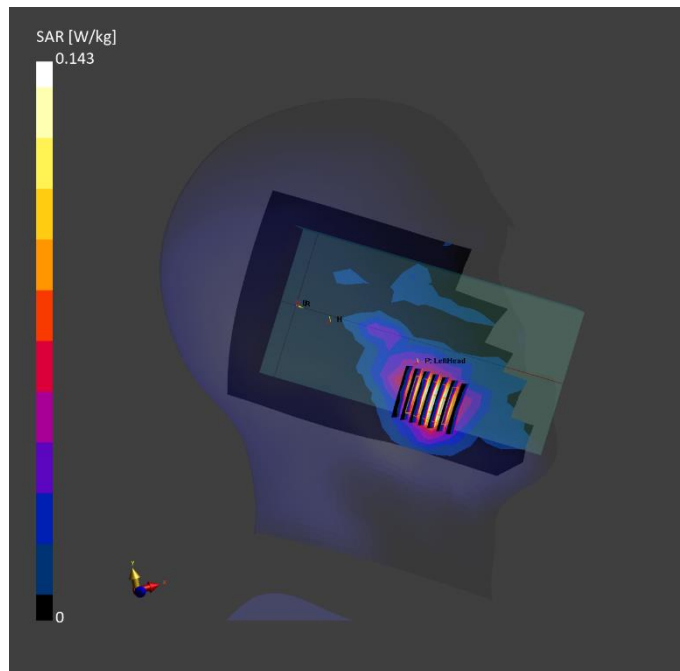
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

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] | 0.122 | 0.137 |
| psSAR-10g [W/kg] | 0.061 | 0.068 |
| Power Drift [dB] | | 0.13 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.7 |
| Dist 3dB Peak [mm] | | 10.3 |



Test Date : 2023-11-05 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

Test Mode

58_LTE Band 41_QPSK20M_Right Cheek_Ch40620_1RB_Offset0_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 41 | LTE-TDD, 10172 - CAH | 2593.000, 40620 | 7.36 | 1.93 | 40.6 |

Hardware Setup

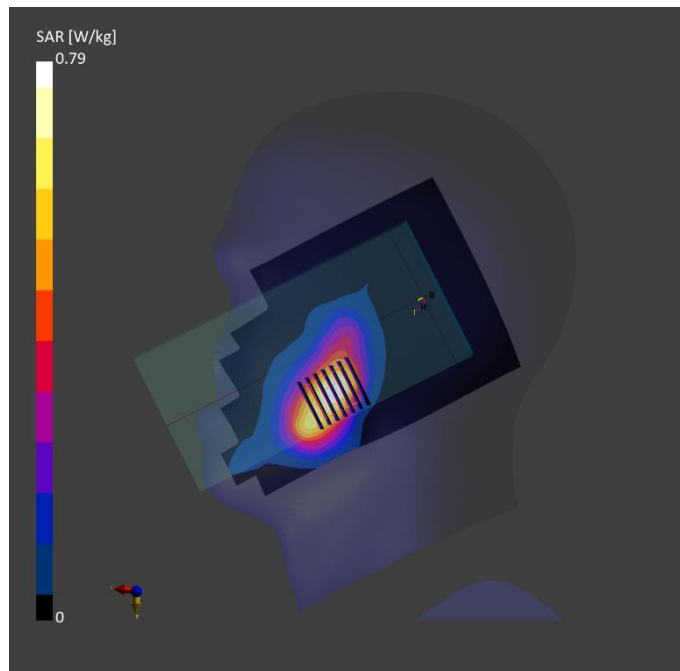
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

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] | 0.529 | 0.553 |
| psSAR-10g [W/kg] | 0.272 | 0.297 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 56.2 |
| Dist 3dB Peak [mm] | | 10.2 |



Test Date : 2023-11-06 | Ambient Temp : 22.8 °C | Tissue Temp : 22.4 °C

Test Mode

59_LTE Band 42_QPSK20M_Left Cheek_Ch43490_1RB_Offset0_Ant 4_w RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 42 | LTE-TDD, 10172 - CAH | 3590.000, 43490 | 6.87 | 2.73 | 38.7 |

Hardware Setup

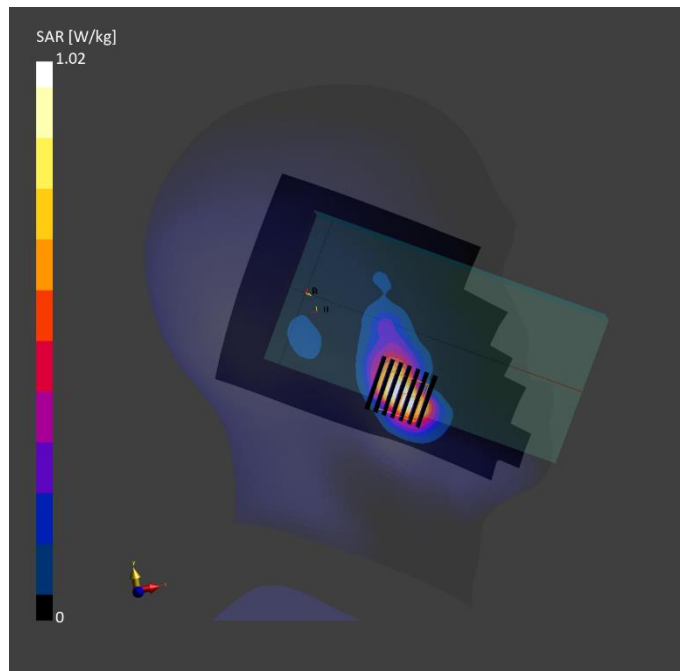
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.530 | 0.571 |
| psSAR-10g [W/kg] | 0.229 | 0.238 |
| Power Drift [dB] | | -0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.0 |
| Dist 3dB Peak [mm] | | 6.6 |



Test Date : 2023-11-06 | Ambient Temp : 22.8 °C | Tissue Temp : 22.4 °C

Test Mode

60_LTE Band 42_QPSK20M_Right Cheek_Ch43490_1RB_Offset0_Ant 5_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 42 | LTE-TDD, 10172 - CAH | 3590.000, 43490 | 6.87 | 2.73 | 38.7 |

Hardware Setup

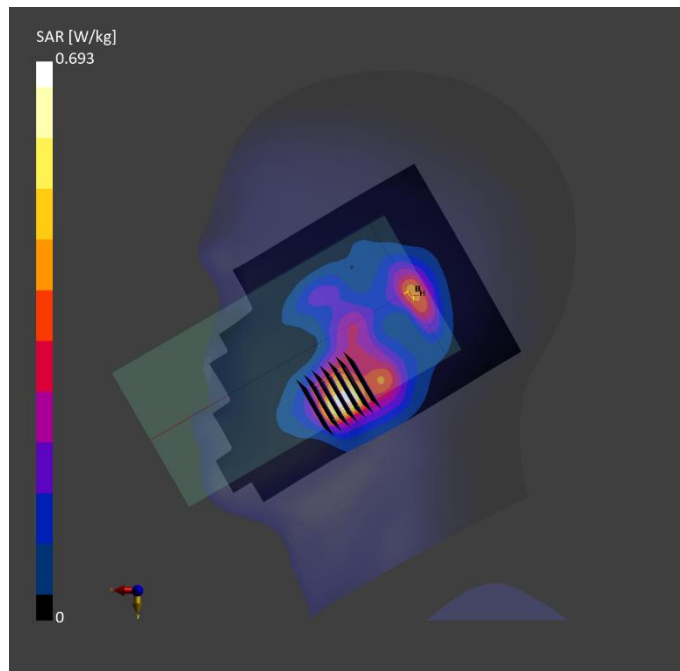
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.399 | 0.418 |
| psSAR-10g [W/kg] | 0.172 | 0.179 |
| Power Drift [dB] | | -0.05 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.6 |
| Dist 3dB Peak [mm] | | 10.5 |



Test Date : 2023-11-06 | Ambient Temp : 22.8 °C | Tissue Temp : 22.4 °C

Test Mode

61_LTE Band 42_QPSK20M_Left Cheek_Ch43490_1RB_Offset0_Ant 6_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 42 | LTE-TDD, 10172 - CAH | 3590.000, 43490 | 6.87 | 2.73 | 38.7 |

Hardware Setup

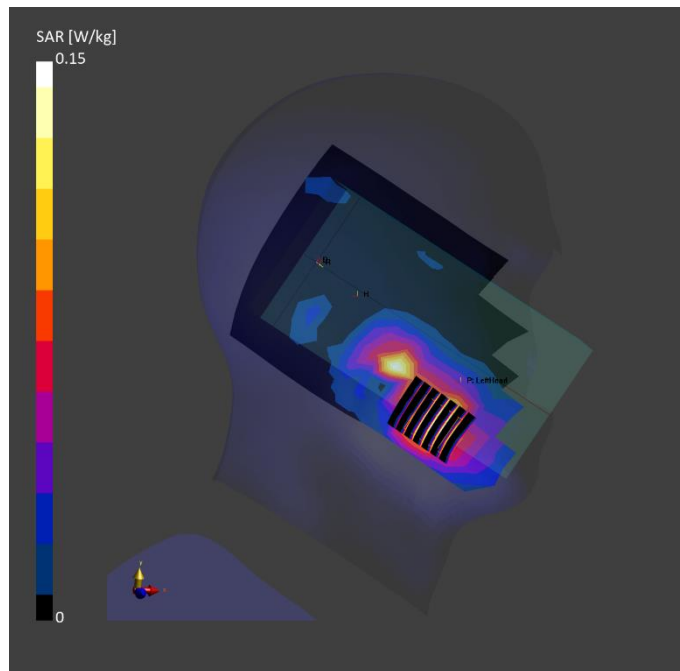
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.116 | 0.116 |
| psSAR-10g [W/kg] | 0.054 | 0.055 |
| Power Drift [dB] | | -0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.8 |
| Dist 3dB Peak [mm] | | 13.7 |



Test Date : 2023-11-06 | Ambient Temp : 22.8 °C | Tissue Temp : 22.4 °C

Test Mode

62_LTE Band 42_QPSK20M_Right Cheek_Ch43490_1RB_Offset0_Ant 7_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 42 | LTE-TDD, 10172 - CAH | 3590.000, 43490 | 6.87 | 2.73 | 38.7 |

Hardware Setup

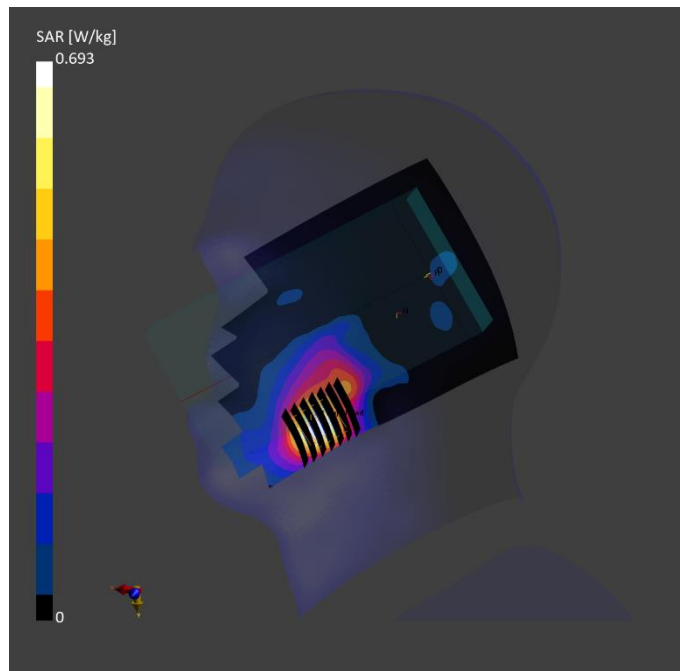
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.105 | 0.110 |
| psSAR-10g [W/kg] | 0.049 | 0.049 |
| Power Drift [dB] | | -0.10 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 68.5 |
| Dist 3dB Peak [mm] | | 13.0 |



Test Date : 2023-11-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.5 °C

Test Mode

63_LTE Band 43_QPSK20M_Left Cheek_Ch44340_1RB_Offset0_Ant 4_w RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 43 | LTE-TDD, 10172 - CAH | 3675.000, 44340 | 6.8 | 2.84 | 39.1 |

Hardware Setup

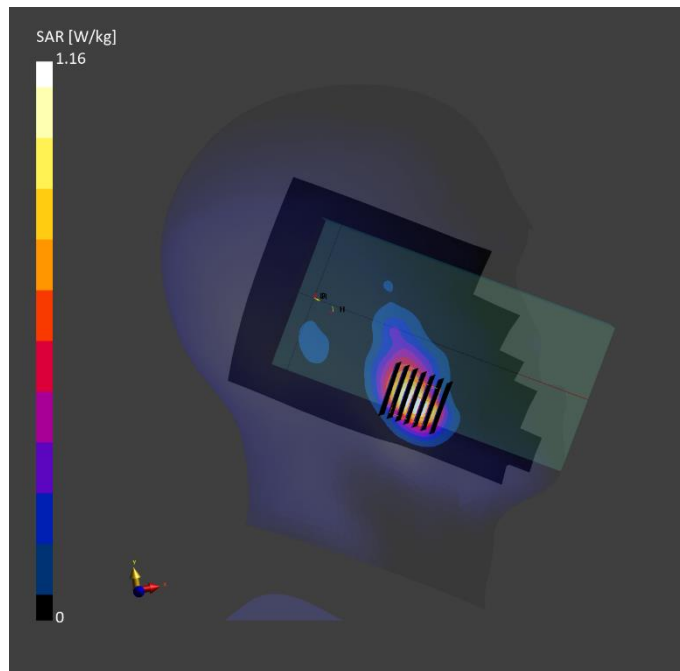
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.571 | 0.588 |
| psSAR-10g [W/kg] | 0.188 | 0.197 |
| Power Drift [dB] | | -0.12 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.1 |
| Dist 3dB Peak [mm] | | 7.8 |



Test Date : 2023-11-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.5 °C

Test Mode

64_LTE Band 43_QPSK20M_Right Cheek_Ch44190_1RB_Offset0_Ant 5_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 43 | LTE-TDD, 10172 - CAH | 3660.000, 44190 | 6.8 | 2.82 | 39.2 |

Hardware Setup

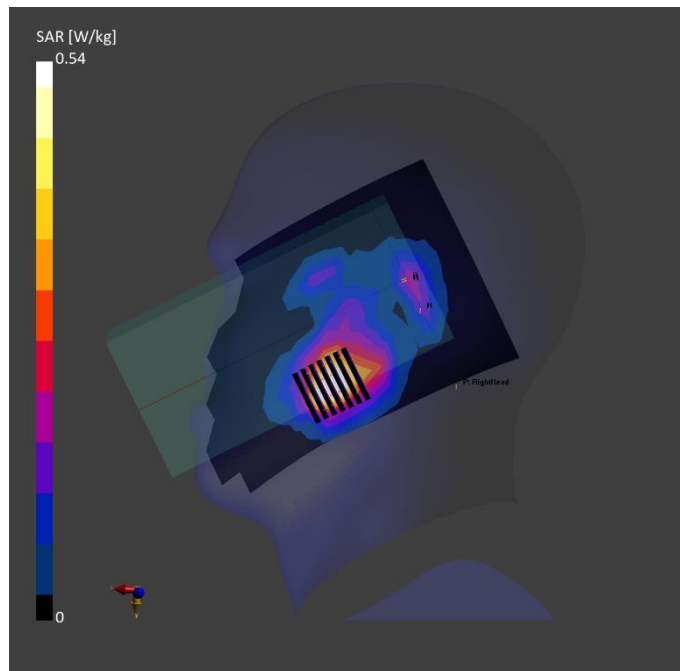
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.511 | 0.530 |
| psSAR-10g [W/kg] | 0.217 | 0.226 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.7 |
| Dist 3dB Peak [mm] | | 11.5 |



Test Date : 2023-11-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.5 °C

Test Mode

65_LTE Band 43_QPSK20M_Left Cheek_Ch44340_1RB_Offset0_Ant 6_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 43 | LTE-TDD, 10172 - CAH | 3675.000, 44340 | 6.8 | 2.84 | 39.1 |

Hardware Setup

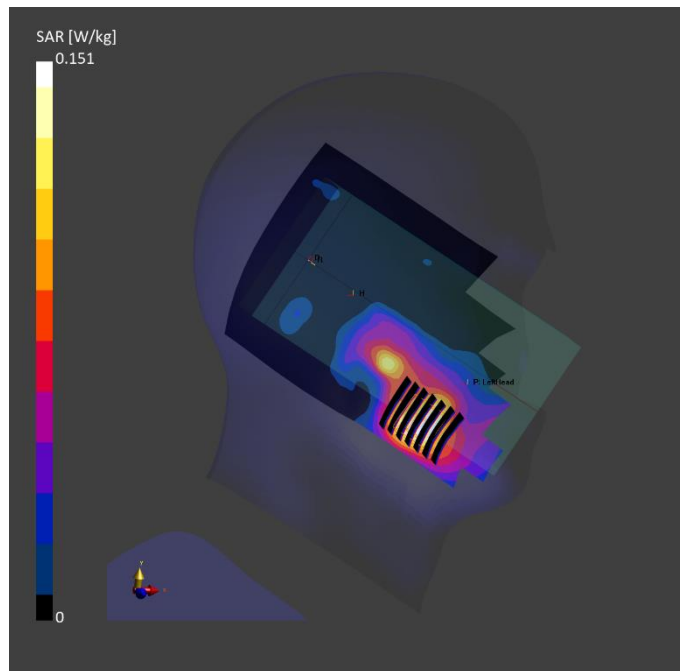
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.092 | 0.096 |
| psSAR-10g [W/kg] | 0.044 | 0.046 |
| Power Drift [dB] | | 0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.7 |
| Dist 3dB Peak [mm] | | 11.6 |



Test Date : 2023-11-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.5 °C

Test Mode

66_LTE Band 43_QPSK20M_Right Cheek_Ch44190_1RB_Offset0_Ant 7_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 43 | LTE-TDD, 10172 - CAH | 3660.000, 44190 | 6.8 | 2.82 | 39.2 |

Hardware Setup

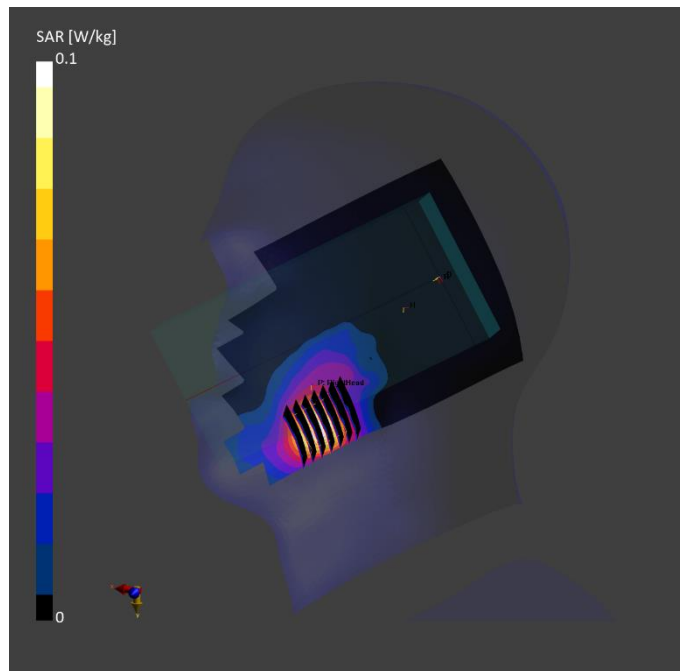
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.078 | 0.080 |
| psSAR-10g [W/kg] | 0.036 | 0.036 |
| Power Drift [dB] | | 0.12 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.7 |
| Dist 3dB Peak [mm] | | 13.5 |



Test Date : 2023-11-07 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

Test Mode

67_LTE Band 48_QPSK20M_Left Cheek_Ch55340_1RB_Offset0_Ant 4_w/RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 48 | LTE-TDD, 10172 - CAH | 3560.000, 55340 | 6.87 | 2.74 | 38.2 |

Hardware Setup

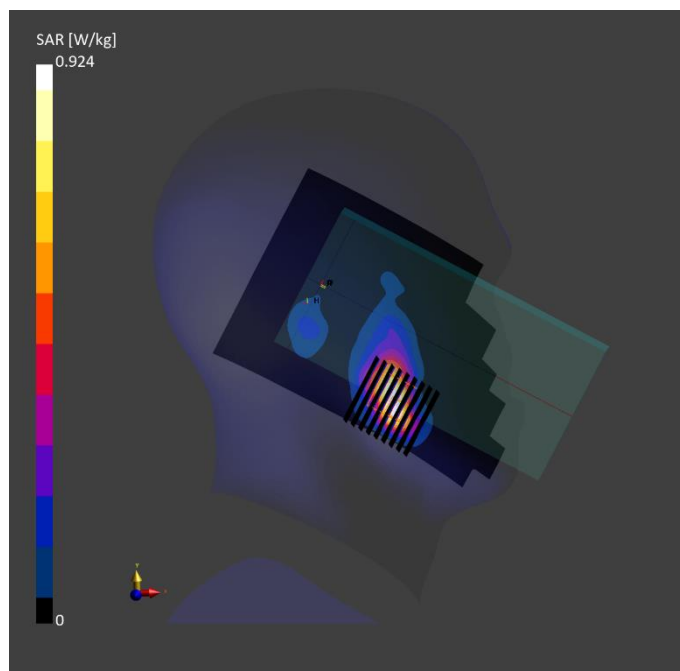
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.448 | 0.532 |
| psSAR-10g [W/kg] | 0.194 | 0.209 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.0 |
| Dist 3dB Peak [mm] | | 5.9 |



Test Date : 2023-11-07 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

Test Mode

68_LTE Band 48_QPSK20M_Right Cheek_Ch56640_1RB_Offset0_Ant 5_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 48 | LTE-TDD, 10172 - CAH | 3690.000, 56640 | 6.8 | 2.86 | 38.0 |

Hardware Setup

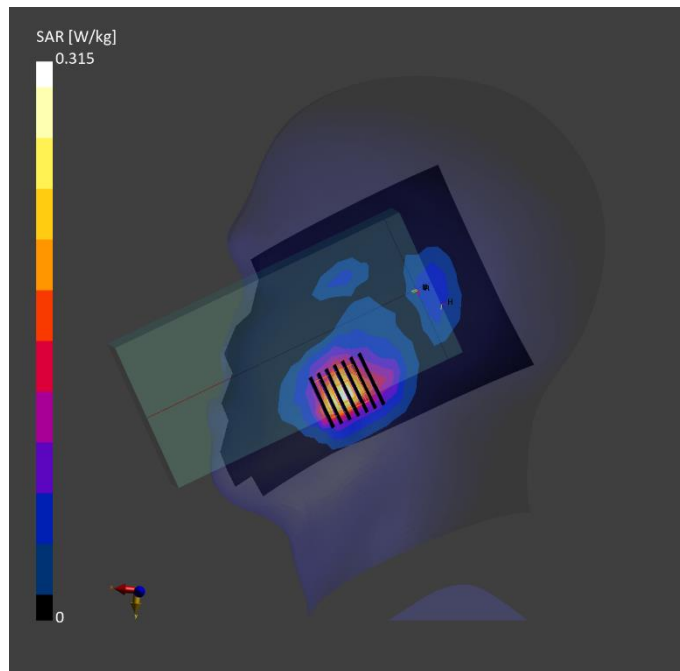
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.237 | 0.246 |
| psSAR-10g [W/kg] | 0.101 | 0.104 |
| Power Drift [dB] | | -0.08 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 64.1 |
| Dist 3dB Peak [mm] | | 10.4 |



Test Date : 2023-11-07 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

Test Mode

69_LTE Band 48_QPSK20M_Left Cheek_Ch55340_1RB_Offset0_Ant 6_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 48 | LTE-TDD, 10172 - CAH | 3560.000, 55340 | 6.87 | 2.74 | 38.2 |

Hardware Setup

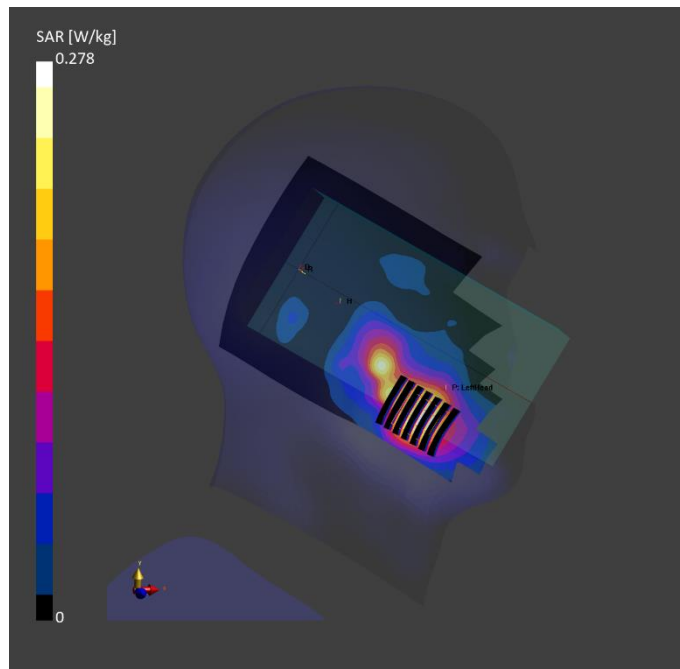
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.173 | 0.179 |
| psSAR-10g [W/kg] | 0.082 | 0.085 |
| Power Drift [dB] | | -0.09 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.4 |
| Dist 3dB Peak [mm] | | 14.0 |



Test Date : 2023-11-07 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

Test Mode

70_LTE Band 48_QPSK20M_Right Cheek_Ch55340_1RB_Offset0_Ant 7_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 48 | LTE-TDD, 10172 - CAH | 3560.000, 55340 | 6.87 | 2.74 | 38.2 |

Hardware Setup

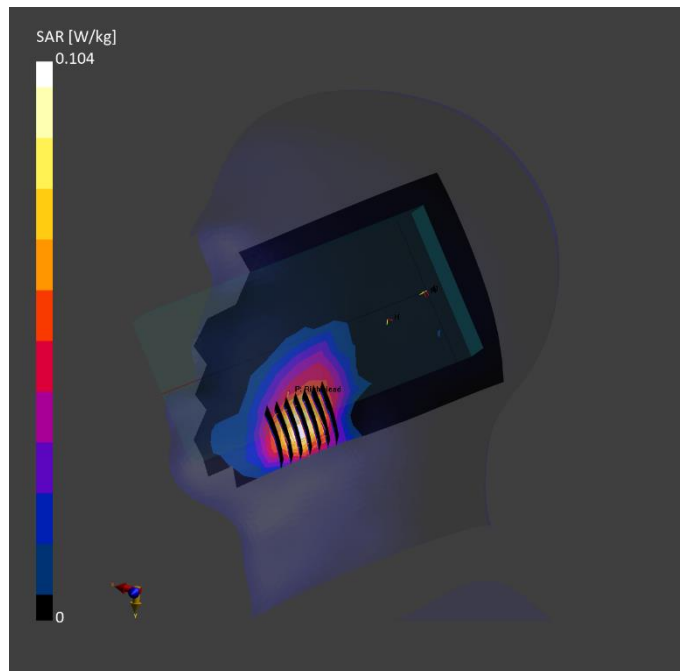
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.081 | 0.084 |
| psSAR-10g [W/kg] | 0.037 | 0.037 |
| Power Drift [dB] | | 0.10 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.9 |
| Dist 3dB Peak [mm] | | 12.0 |



Test Date : 2023-10-25 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

71_LTE Band 66_QPSK20M_Right Cheek_Ch132072_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 66 | LTE-FDD, 10169 - CAF | 1720.000, 132072 | 8.68 | 1.35 | 42.7 |

Hardware Setup

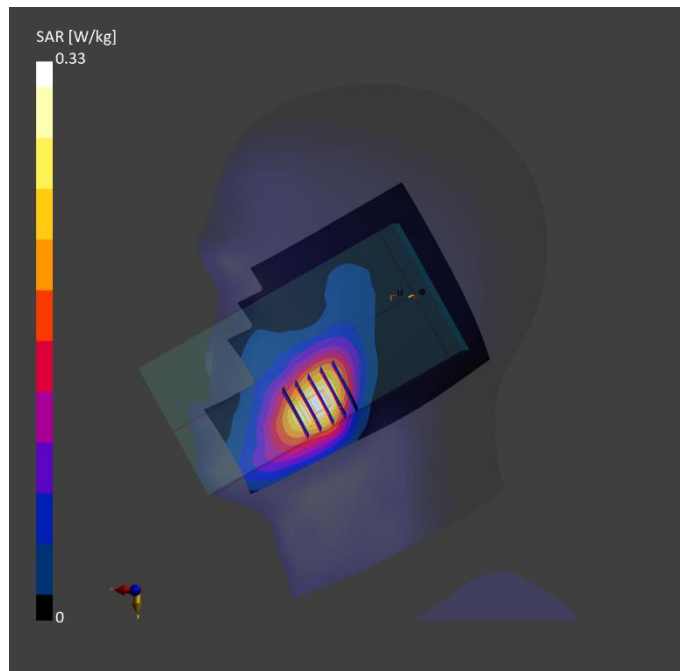
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.255 | 0.262 |
| psSAR-10g [W/kg] | 0.150 | 0.170 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 70.9 |
| Dist 3dB Peak [mm] | | 15.8 |



Test Date : 2023-10-25 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

72_LTE Band 66_QPSK20M_Left Cheek_Ch132322_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 66 | LTE-FDD, 10169 - CAF | 1745.000, 132322 | 8.68 | 1.36 | 42.7 |

Hardware Setup

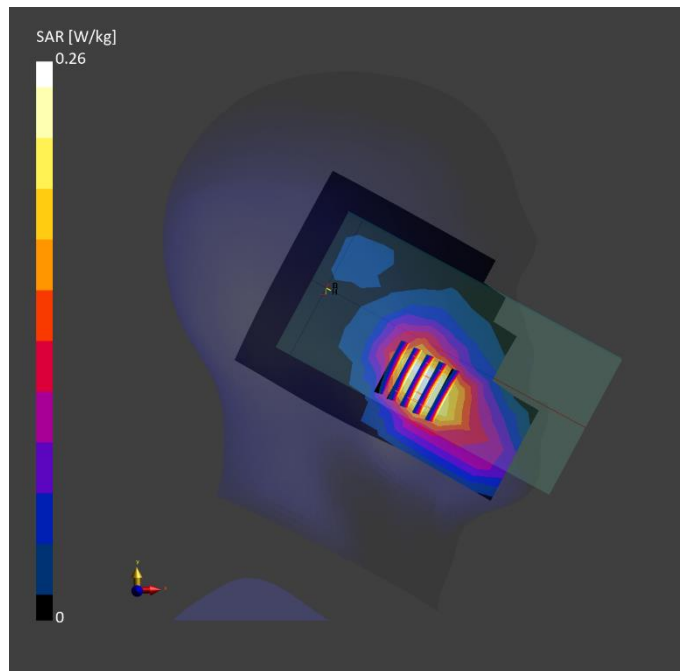
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.240 | 0.262 |
| psSAR-10g [W/kg] | 0.143 | 0.165 |
| Power Drift [dB] | | 0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.2 |
| Dist 3dB Peak [mm] | | 15.6 |



Test Date : 2023-10-25 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

73_LTE Band 66_QPSK20M_Left Cheek_Ch132072_1RB_Offset0_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 66 | LTE-FDD, 10169 - CAF | 1720.000, 132072 | 8.68 | 1.35 | 42.7 |

Hardware Setup

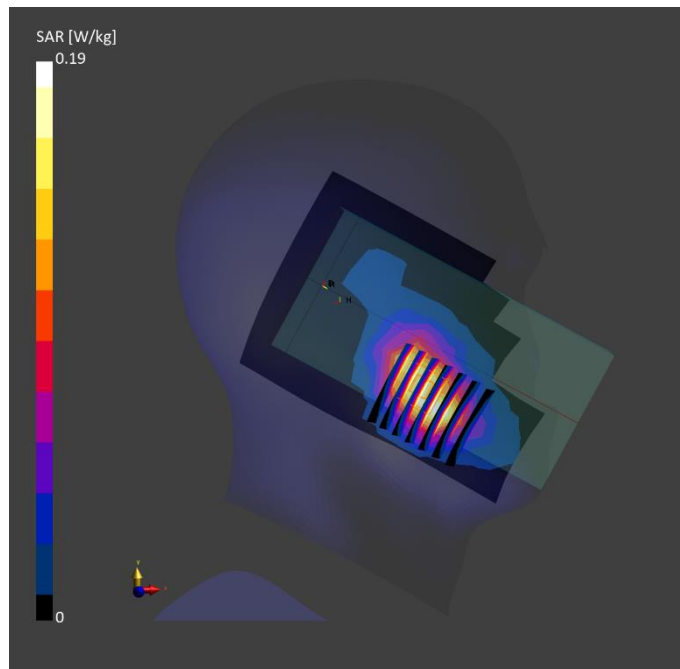
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.163 | 0.171 |
| psSAR-10g [W/kg] | 0.097 | 0.107 |
| Power Drift [dB] | | 0.09 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.4 |
| Dist 3dB Peak [mm] | | 14.1 |



Test Date : 2023-10-25 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

74_LTE Band 66_QPSK20M_Right Cheek_Ch132322_1RB_Offset0_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 66 | LTE-FDD, 10169 - CAF | 1745.000, 132322 | 8.68 | 1.36 | 42.7 |

Hardware Setup

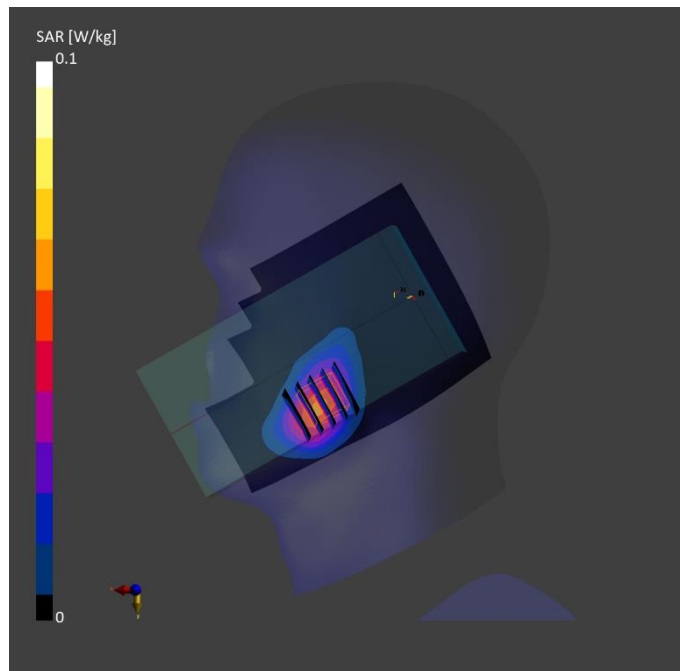
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.051 | 0.048 |
| psSAR-10g [W/kg] | 0.029 | 0.030 |
| Power Drift [dB] | | -0.08 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.7 |
| Dist 3dB Peak [mm] | | 9.5 |



Test Date : 2023-10-24 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

75_LTE Band 71_QPSK20M_Right Cheek_Ch133322_1RB_Offset0_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band 71 | LTE-FDD, 10169 - CAF | 683.000, 133322 | 9.81 | 0.873 | 44.8 |

Hardware Setup

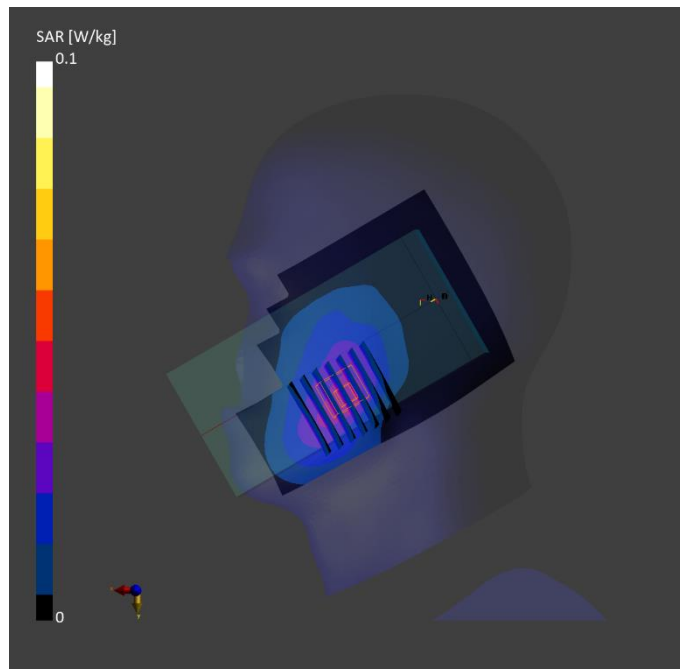
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.035 | 0.035 |
| psSAR-10g [W/kg] | 0.023 | 0.026 |
| Power Drift [dB] | | -0.10 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 74.5 |
| Dist 3dB Peak [mm] | | 14.0 |



Test Date : 2023-10-24 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

76_LTE Band 71_QPSK20M_Left Cheek_Ch133222_1RB_Offset0_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band 71 | LTE-FDD, 10169 - CAF | 673.000, 133222 | 9.81 | 0.869 | 44.8 |

Hardware Setup

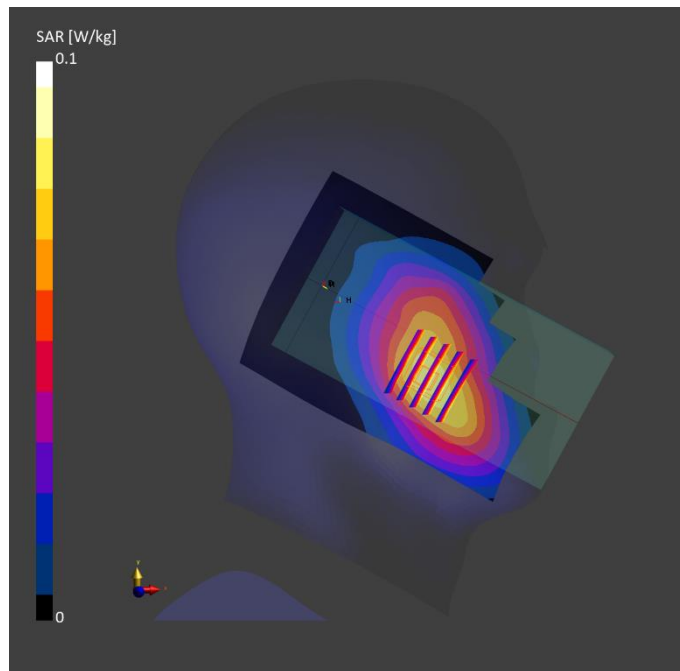
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.079 | 0.080 |
| psSAR-10g [W/kg] | 0.054 | 0.061 |
| Power Drift [dB] | | -0.15 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 76.2 |
| Dist 3dB Peak [mm] | | 5.5 |



Test Date : 2023-10-30 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

Test Mode

77_NR Band n5_DFT-s QPSK20M_Right Cheek_Ch167300_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n5 | 5G NR FR1 FDD, 10931 - AAC | 836.500, 167300 | 9.67 | 0.942 | 44.1 |

Hardware Setup

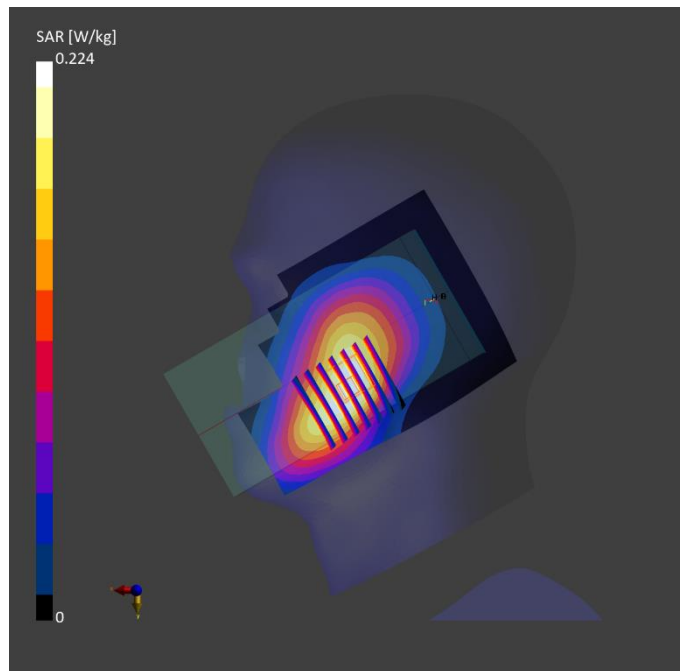
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.176 | 0.185 |
| psSAR-10g [W/kg] | 0.121 | 0.136 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 74.1 |
| Dist 3dB Peak [mm] | | 16.9 |



Test Date : 2023-10-30 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

Test Mode

78_NR Band n5_DFT-s QPSK20M_Left Cheek_Ch167800_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n5 | 5G NR FR1 FDD, 10931 - AAC | 839.000, 167800 | 9.67 | 0.943 | 44.1 |

Hardware Setup

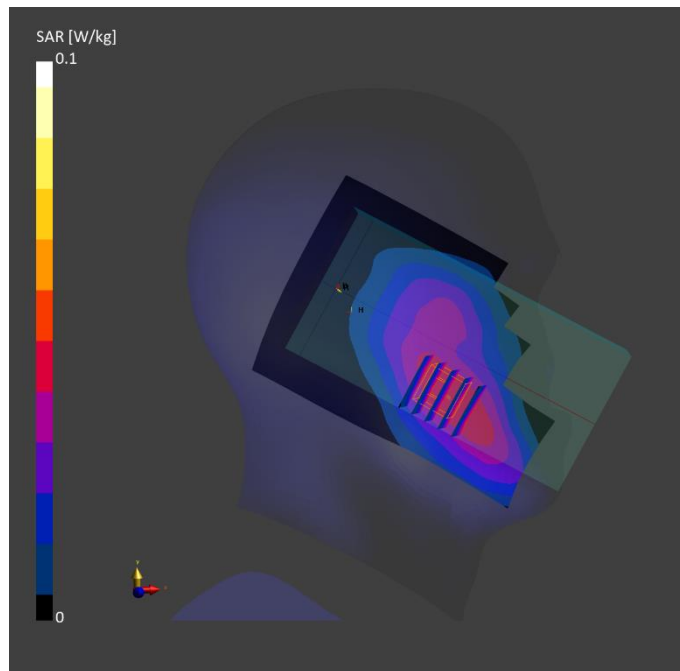
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.044 | 0.045 |
| psSAR-10g [W/kg] | 0.030 | 0.034 |
| Power Drift [dB] | | 0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 75.0 |
| Dist 3dB Peak [mm] | | 17.5 |



Test Date : 2023-11-04 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

79_NR Band n7_DFT-s QPSK20M_Right Cheek_Ch507000_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n7 | 5G NR FR1 FDD, 10931 - AAC | 2535.000, 507000 | 7.36 | 1.92 | 40.8 |

Hardware Setup

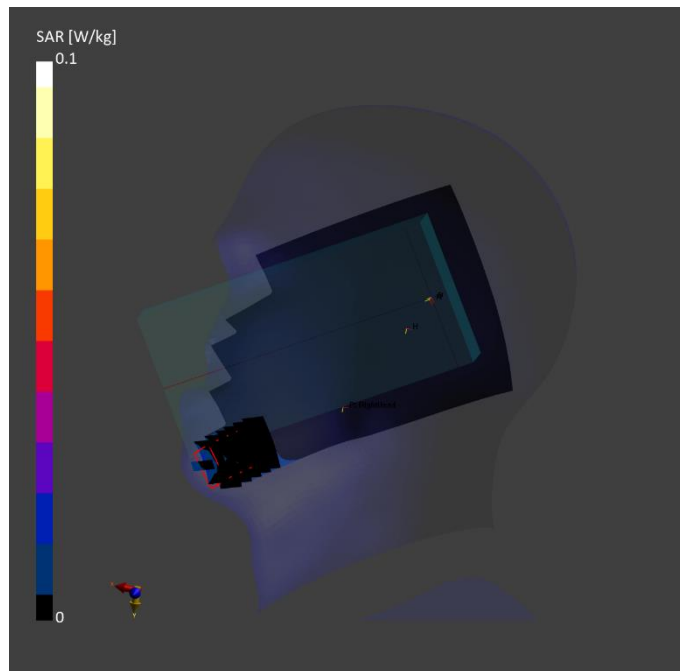
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.075 | 0.073 |
| psSAR-10g [W/kg] | 0.052 | 0.052 |
| Power Drift [dB] | | 0.11 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.3 |
| Dist 3dB Peak [mm] | | 8.1 |



Test Date : 2023-11-04 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

80_NR Band n7_DFT-s QPSK20M_Left Cheek_Ch512000_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n7 | 5G NR FR1 FDD, 10931 - AAC | 2560.000, 512000 | 7.36 | 1.94 | 40.8 |

Hardware Setup

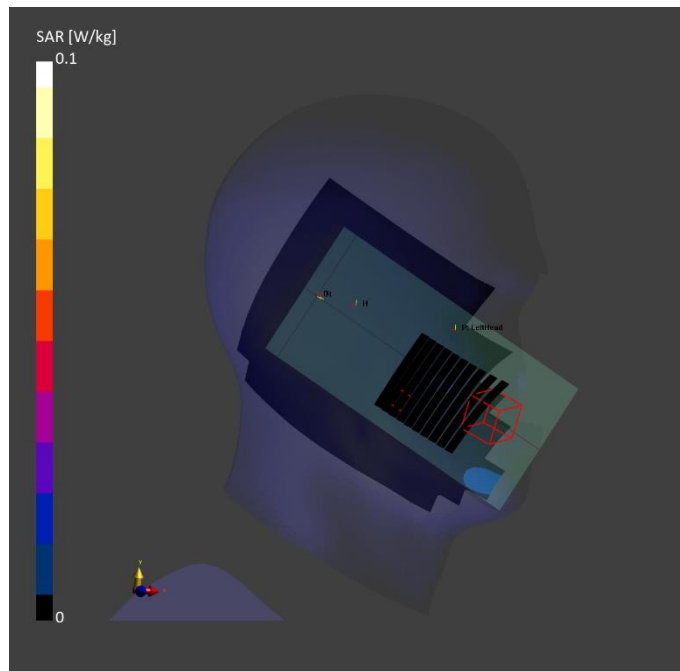
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.009 | 0.003 |
| psSAR-10g [W/kg] | 0.004 | 0.001 |
| Power Drift [dB] | | 0.11 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 75.9 |
| Dist 3dB Peak [mm] | | 5.4 |



Test Date : 2023-11-04 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

81_NR Band n7_DFT-s QPSK20M_Left Cheek_Ch502000_1RB_Offset1_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n7 | 5G NR FR1 FDD, 10931 - AAC | 2510.000, 502000 | 7.36 | 1.90 | 40.9 |

Hardware Setup

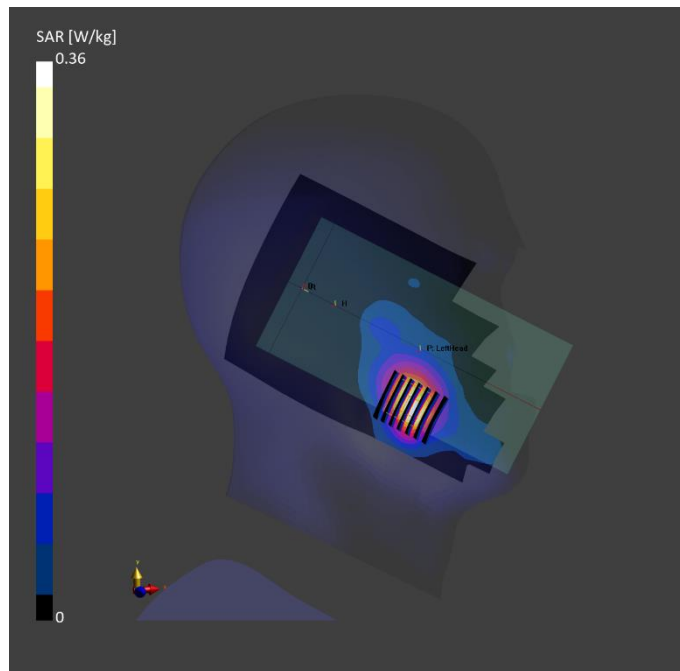
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.213 | 0.235 |
| psSAR-10g [W/kg] | 0.108 | 0.118 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 54.5 |
| Dist 3dB Peak [mm] | | 10.0 |



Test Date : 2023-11-04 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

82_NR Band n7_DFT-s QPSK20M_Right Cheek_Ch512000_1RB_Offset1_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n7 | 5G NR FR1 FDD, 10931 - AAC | 2560.000, 512000 | 7.36 | 1.94 | 40.8 |

Hardware Setup

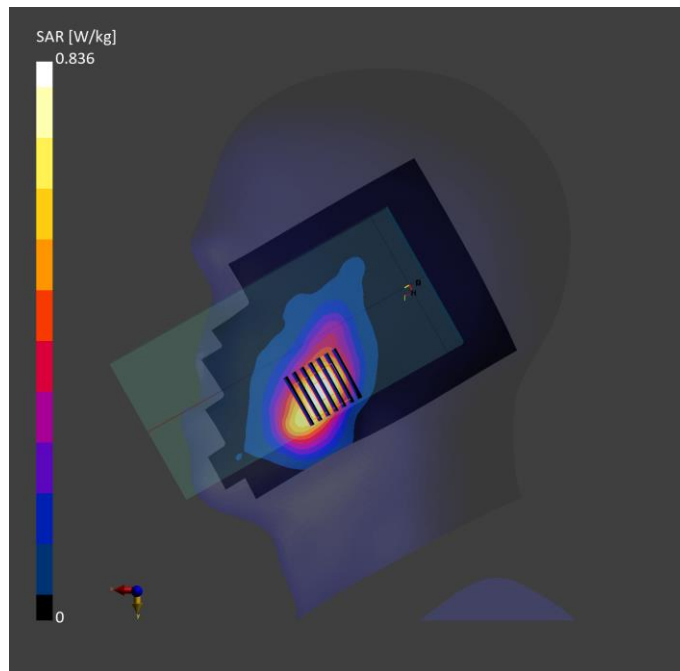
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.486 | 0.513 |
| psSAR-10g [W/kg] | 0.225 | 0.246 |
| Power Drift [dB] | | -0.12 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 55.6 |
| Dist 3dB Peak [mm] | | 10.7 |



Test Date : 2023-10-29 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

83_NR Band n12_DFT-S QPSK15M_Right Cheek_Ch141500_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n12 | 5G NR FR1 FDD, 10930 - AAC | 707.500, 141500 | 9.81 | 0.908 | 44.3 |

Hardware Setup

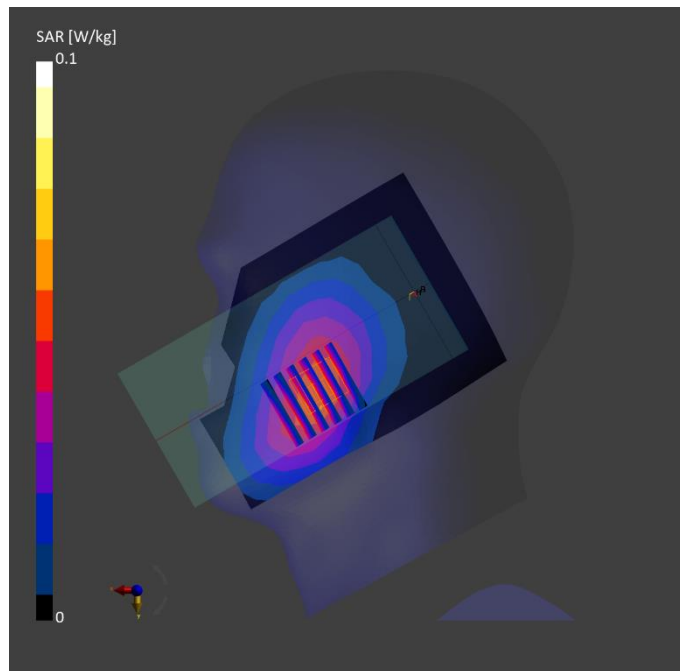
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.053 | 0.054 |
| psSAR-10g [W/kg] | 0.037 | 0.041 |
| Power Drift [dB] | | 0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 74.4 |
| Dist 3dB Peak [mm] | | 14.7 |



Test Date : 2023-10-29 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

84_NR Band n12_DFT-S QPSK15M_Left Cheek_Ch141500_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n12 | 5G NR FR1 FDD, 10930 - AAC | 707.500, 141500 | 9.81 | 0.908 | 44.3 |

Hardware Setup

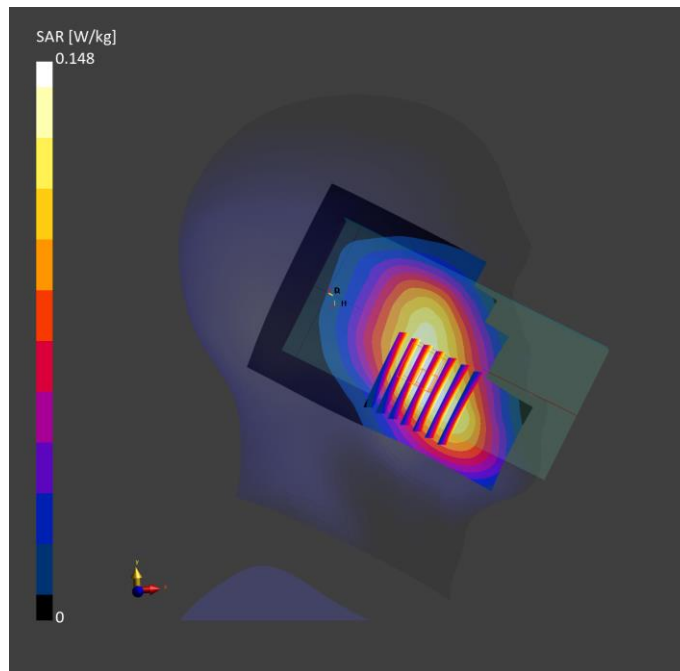
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.119 | 0.125 |
| psSAR-10g [W/kg] | 0.083 | 0.096 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 76.1 |
| Dist 3dB Peak [mm] | | 18.9 |



Test Date : 2023-10-29 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

85_NR Band n13_DFT-S QPSK10M_Right Cheek_Ch156400_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n13 | 5G NR FR1 FDD, 10929 - AAD | 782.000, 156400 | 9.81 | 0.936 | 44.2 |

Hardware Setup

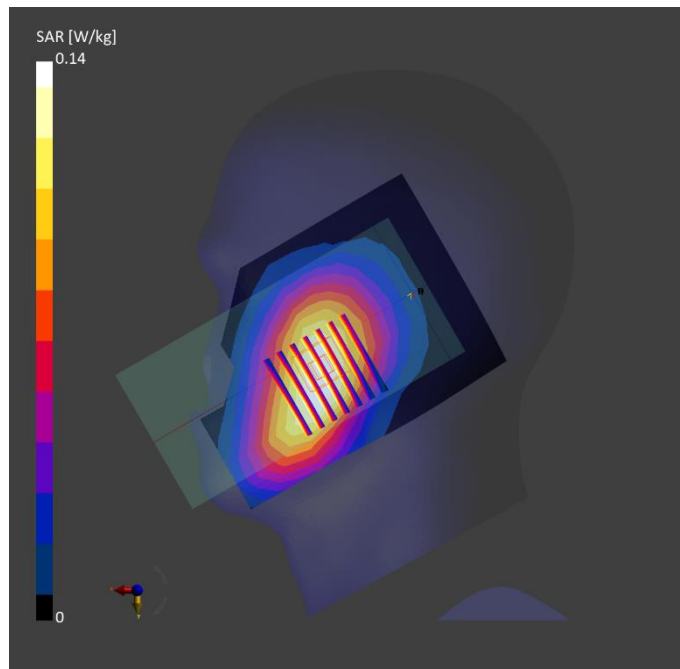
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.126 | 0.130 |
| psSAR-10g [W/kg] | 0.087 | 0.102 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 75.6 |
| Dist 3dB Peak [mm] | | 18.3 |



Test Date : 2023-10-29 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

86_NR Band n13_DFT-S QPSK10M_Left Cheek_Ch156400_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n13 | 5G NR FR1 FDD, 10929 - AAD | 782.000, 156400 | 9.81 | 0.936 | 44.2 |

Hardware Setup

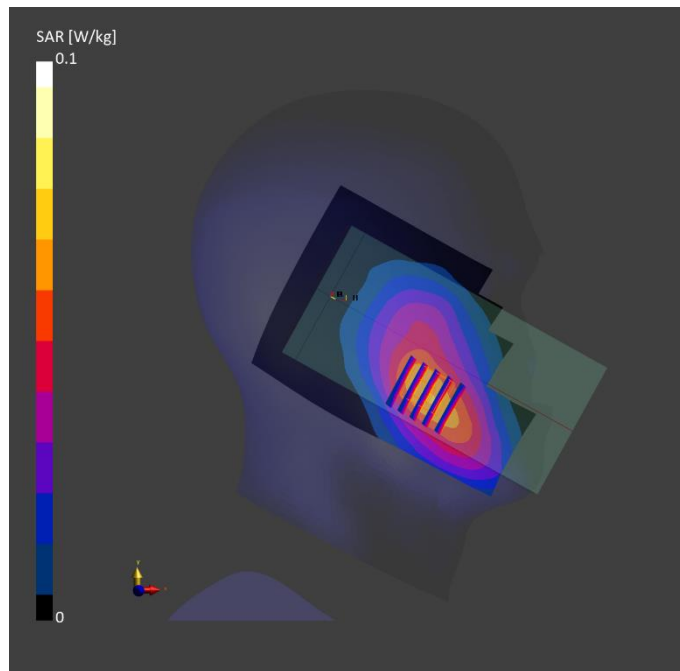
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.059 | 0.061 |
| psSAR-10g [W/kg] | 0.040 | 0.045 |
| Power Drift [dB] | | -0.07 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 75.0 |
| Dist 3dB Peak [mm] | | 17.5 |



Test Date : 2023-10-29 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

87_NR Band n14_DFT-S QPSK10M_Right Cheek_Ch158600_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n14 | 5G NR FR1 FDD, 10929 - AAD | 793.000, 158600 | 9.81 | 0.941 | 44.1 |

Hardware Setup

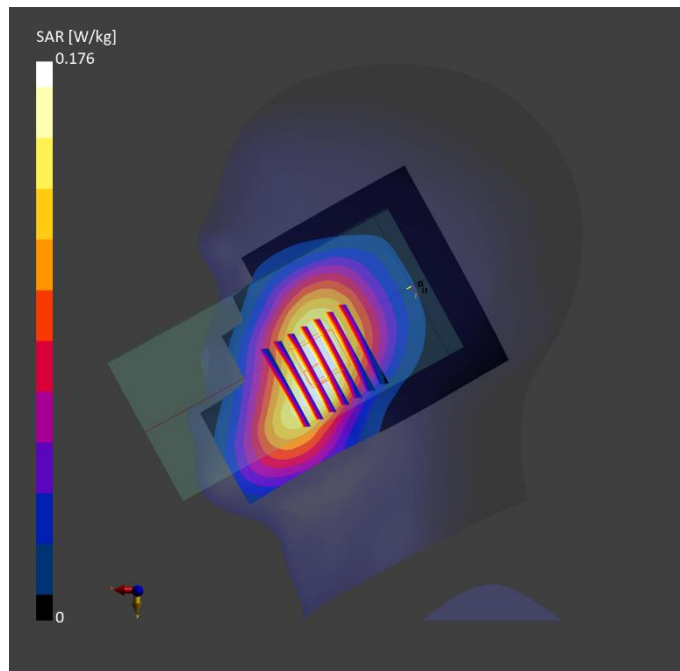
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.144 | 0.149 |
| psSAR-10g [W/kg] | 0.10 | 0.116 |
| Power Drift [dB] | | -0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 76.7 |
| Dist 3dB Peak [mm] | | 19.1 |



Test Date : 2023-10-29 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

88_NR Band n14_DFT-S QPSK10M_Left Cheek_Ch158600_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n14 | 5G NR FR1 FDD, 10929 - AAD | 793.000, 158600 | 9.81 | 0.941 | 44.1 |

Hardware Setup

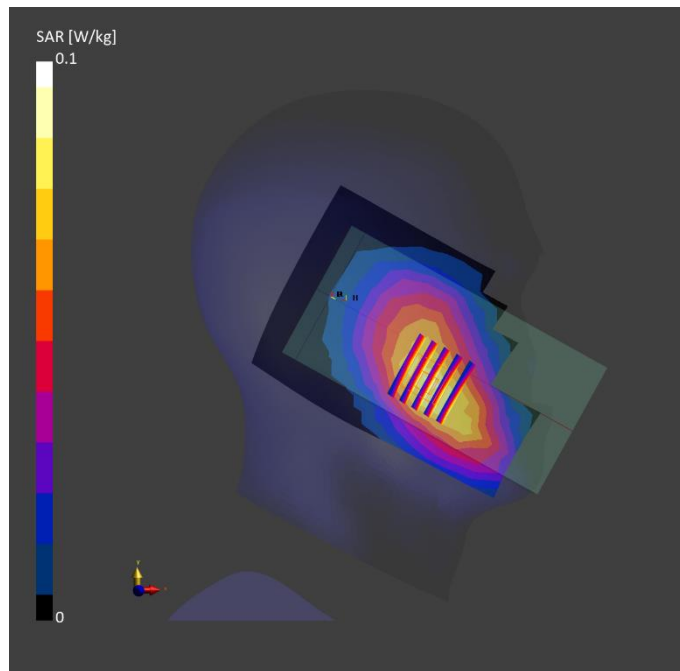
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.077 | 0.080 |
| psSAR-10g [W/kg] | 0.053 | 0.060 |
| Power Drift [dB] | | 0.09 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 74.6 |
| Dist 3dB Peak [mm] | | 29.4 |



Test Date : 2023-11-01 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

89_NR Band n25_DFT-s QPSK20M_Right Cheek_Ch376500_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n25 | 5G NR FR1 FDD, 10931 - AAC | 1882.500, 376500 | 7.7 | 1.46 | 42.0 |

Hardware Setup

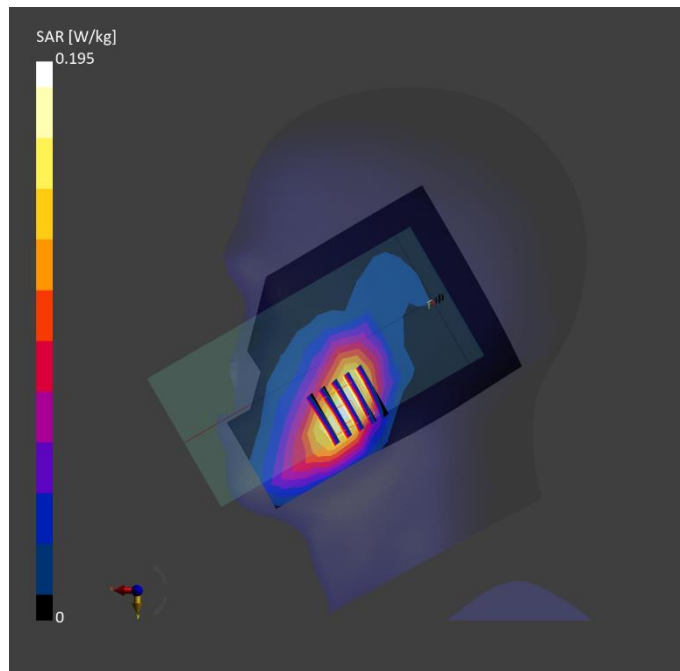
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.160 | 0.168 |
| psSAR-10g [W/kg] | 0.094 | 0.110 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.9 |
| Dist 3dB Peak [mm] | | 13.5 |



Test Date : 2023-11-01 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

90_NR Band n25_DFT-s QPSK20M_Left Cheek_Ch376500_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n25 | 5G NR FR1 FDD, 10931 - AAC | 1882.500, 376500 | 7.7 | 1.46 | 42.0 |

Hardware Setup

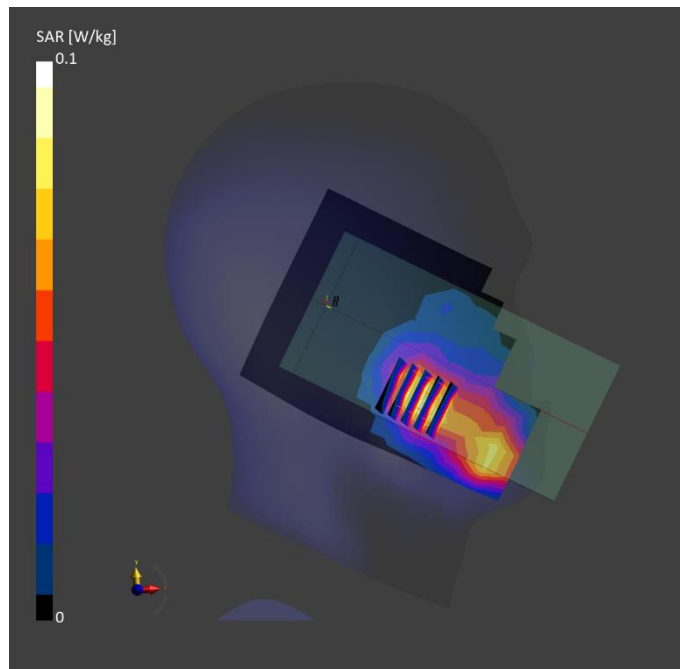
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.075 | 0.079 |
| psSAR-10g [W/kg] | 0.044 | 0.055 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.6 |
| Dist 3dB Peak [mm] | | 14.5 |



Test Date : 2023-11-01 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

91_NR Band n25_DFT-s QPSK20M_Left Cheek_Ch376500_1RB_Offset1_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n25 | 5G NR FR1 FDD, 10931 - AAC | 1882.500, 376500 | 7.7 | 1.46 | 42.0 |

Hardware Setup

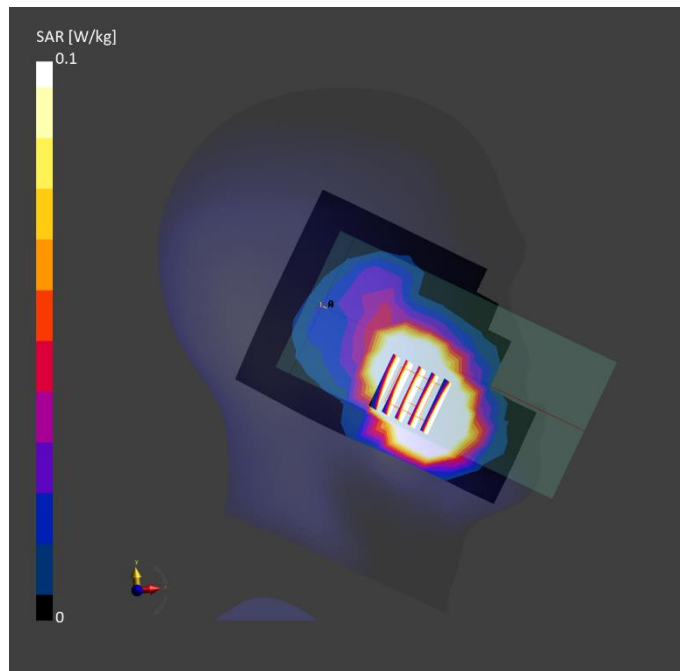
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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 | 0.296 |
| psSAR-10g [W/kg] | 0.156 | 0.182 |
| Power Drift [dB] | | 0.05 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.4 |
| Dist 3dB Peak [mm] | | 14.1 |



Test Date : 2023-11-01 | Ambient Temp : 22.4 °C | Tissue Temp : 22.3 °C

Test Mode

92_NR Band n25_DFT-s QPSK20M_Right Cheek_Ch376500_1RB_Offset1_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n25 | 5G NR FR1 FDD, 10931 - AAC | 1882.500, 376500 | 7.7 | 1.46 | 42.0 |

Hardware Setup

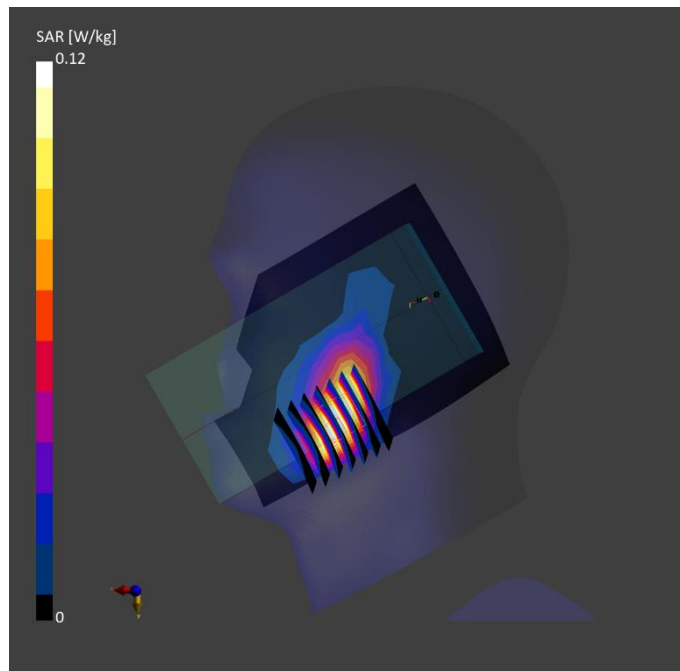
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.104 | 0.111 |
| psSAR-10g [W/kg] | 0.061 | 0.067 |
| Power Drift [dB] | | -0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 68.7 |
| Dist 3dB Peak [mm] | | 12.2 |



Test Date : 2023-11-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.5 °C

Test Mode

93_NR Band n30_DFT-s QPSK10M_Right Cheek_Ch462000_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n30 | 5G NR FR1 FDD, 10929 - AAD | 2310.000, 462000 | 7.32 | 1.72 | 40.8 |

Hardware Setup

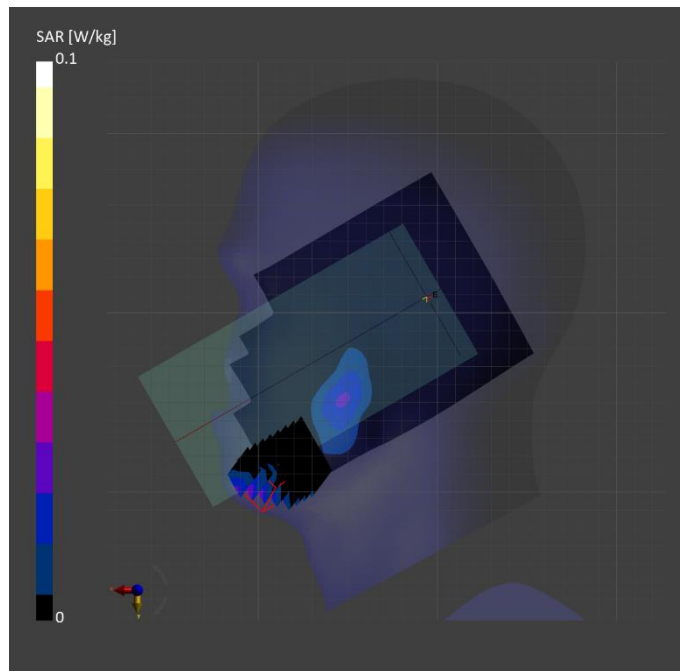
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.036 | 0.036 |
| psSAR-10g [W/kg] | 0.019 | 0.021 |
| Power Drift [dB] | | 0.13 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 71.4 |
| Dist 3dB Peak [mm] | | 9.9 |



Test Date : 2023-11-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.5 °C

Test Mode

94_NR Band n30_DFT-s QPSK10M_Left Cheek_Ch462000_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n30 | 5G NR FR1 FDD, 10929 - AAD | 2310.000, 462000 | 7.32 | 1.72 | 40.8 |

Hardware Setup

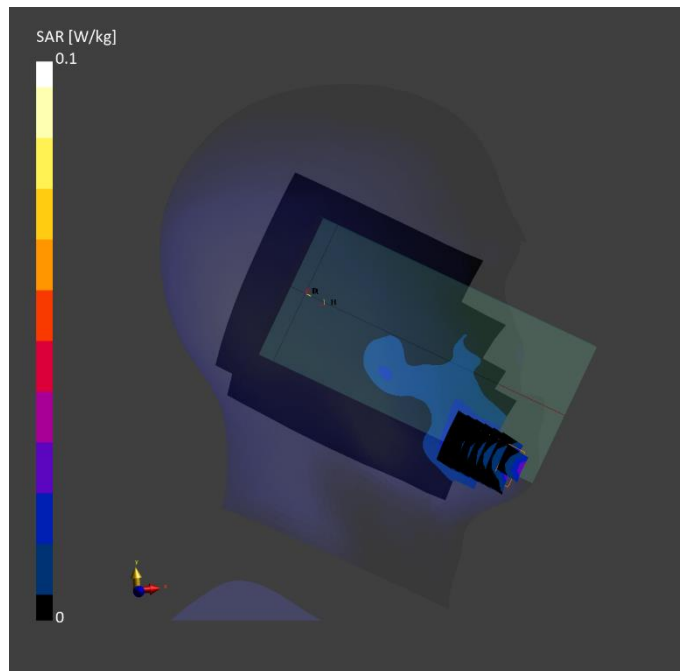
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.036 | 0.035 |
| psSAR-10g [W/kg] | 0.019 | 0.022 |
| Power Drift [dB] | | -0.05 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 70.1 |
| Dist 3dB Peak [mm] | | 14.2 |



Test Date : 2023-11-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.5 °C

Test Mode

95_NR Band n30_DFT-s QPSK10M_Left Cheek_Ch462000_1RB_Offset1_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n30 | 5G NR FR1 FDD, 10929 - AAD | 2310.000, 462000 | 7.32 | 1.72 | 40.8 |

Hardware Setup

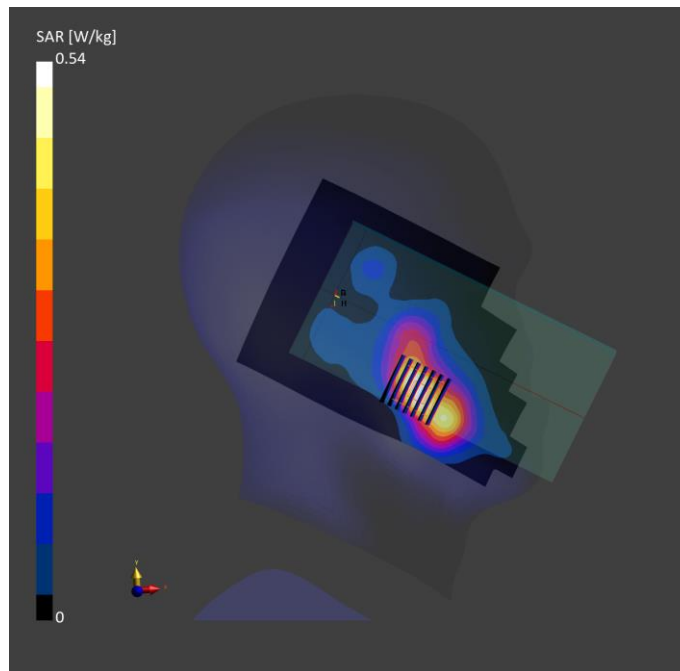
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.332 | 0.368 |
| psSAR-10g [W/kg] | 0.175 | 0.198 |
| Power Drift [dB] | | -0.08 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 59.9 |
| Dist 3dB Peak [mm] | | 9.4 |



Test Date : 2023-11-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.5 °C

Test Mode

96_NR Band n30_DFT-s QPSK10M_Right Cheek_Ch462000_1RB_Offset1_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n30 | 5G NR FR1 FDD, 10929 - AAD | 2310.000, 462000 | 7.32 | 1.72 | 40.8 |

Hardware Setup

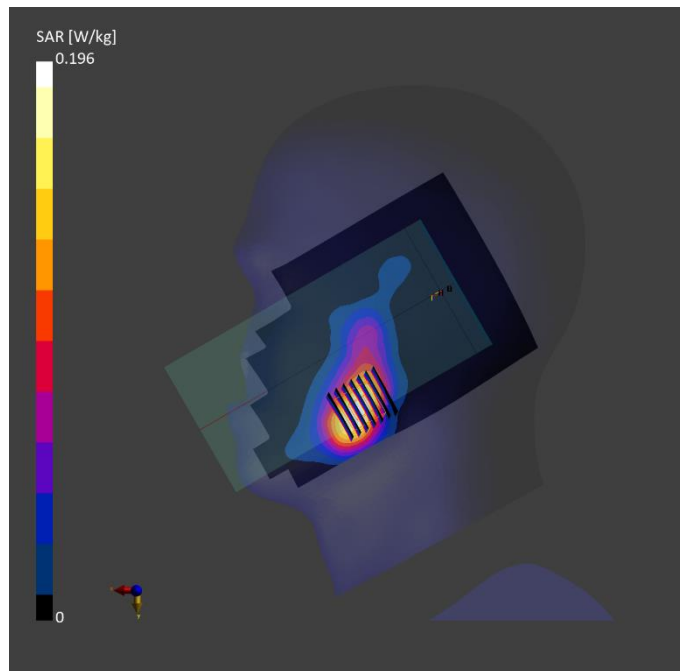
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

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] | 0.141 | 0.143 |
| psSAR-10g [W/kg] | 0.077 | 0.083 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.5 |
| Dist 3dB Peak [mm] | | 12.6 |



Test Date : 2023-10-30 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

Test Mode

97_NR Band n66_DFT-s QPSK20M_Right Cheek_C354000_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n66 | 5G NR FR1 FDD, 10931 - AAC | 1770.000, 354000 | 8.68 | 1.39 | 42.1 |

Hardware Setup

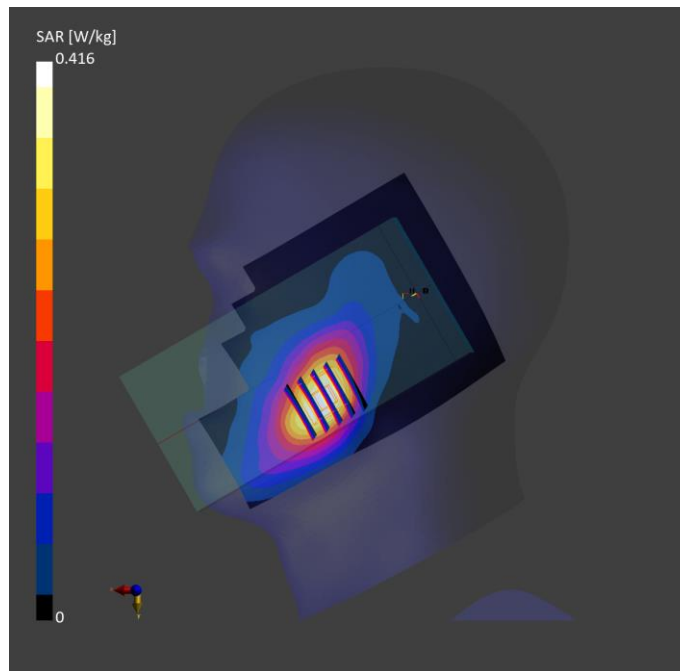
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.301 | 0.324 |
| psSAR-10g [W/kg] | 0.180 | 0.209 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 68.9 |
| Dist 3dB Peak [mm] | | 15.5 |



Test Date : 2023-10-30 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

Test Mode

98_NR Band n66_DFT-s QPSK20M_Right Cheek_C354000_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n66 | 5G NR FR1 FDD, 10931 - AAC | 1770.000, 354000 | 8.68 | 1.39 | 42.1 |

Hardware Setup

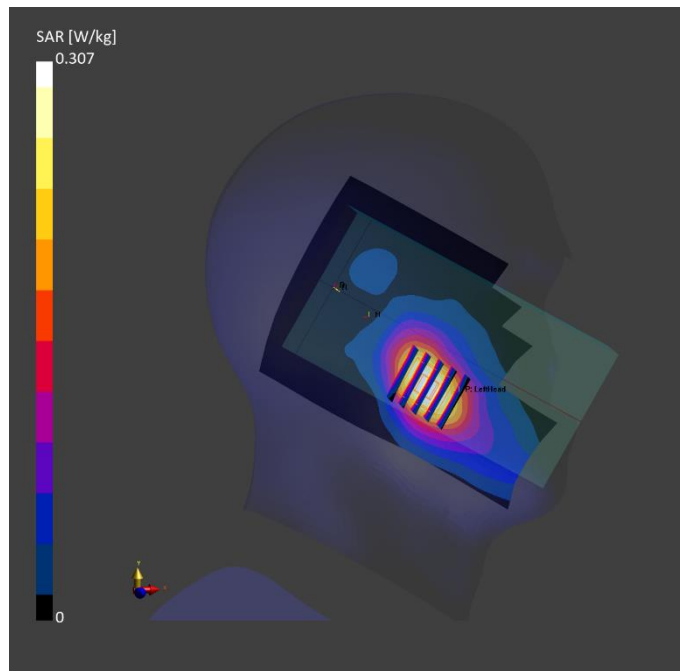
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.223 | 0.237 |
| psSAR-10g [W/kg] | 0.133 | 0.151 |
| Power Drift [dB] | | -0.08 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.8 |
| Dist 3dB Peak [mm] | | 15.6 |



Test Date : 2023-10-30 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

Test Mode

99_NR Band n66_DFT-s QPSK20M_Left Cheek_C354000_1RB_Offset1_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n66 | 5G NR FR1 FDD, 10931 - AAC | 1770.000, 354000 | 8.68 | 1.39 | 42.1 |

Hardware Setup

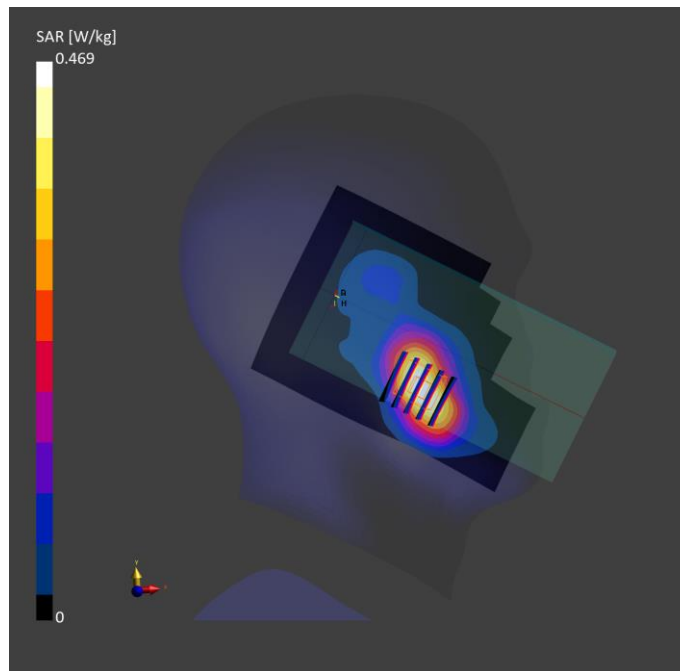
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.327 | 0.355 |
| psSAR-10g [W/kg] | 0.192 | 0.222 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.2 |
| Dist 3dB Peak [mm] | | 13.5 |



Test Date : 2023-10-30 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

Test Mode

100_NR Band n66_DFT-s QPSK20M_Right Cheek_C349000_1RB_Offset1_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n66 | 5G NR FR1 FDD, 10931 - AAC | 1745.000, 349000 | 8.68 | 1.37 | 42.2 |

Hardware Setup

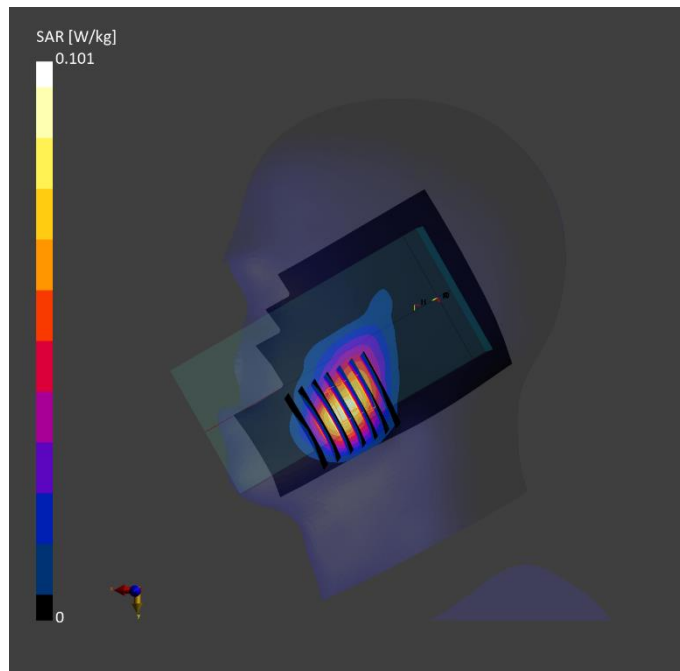
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.072 | 0.072 |
| psSAR-10g [W/kg] | 0.043 | 0.045 |
| Power Drift [dB] | | -0.15 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.0 |
| Dist 3dB Peak [mm] | | 13.1 |



Test Date : 2023-10-29 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

101_NR Band n71_DFT-S QPSK20M_Right Cheek_Ch136100_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n71 | 5G NR FR1 FDD, 10931 - AAC | 680.500, 136100 | 9.81 | 0.901 | 44.5 |

Hardware Setup

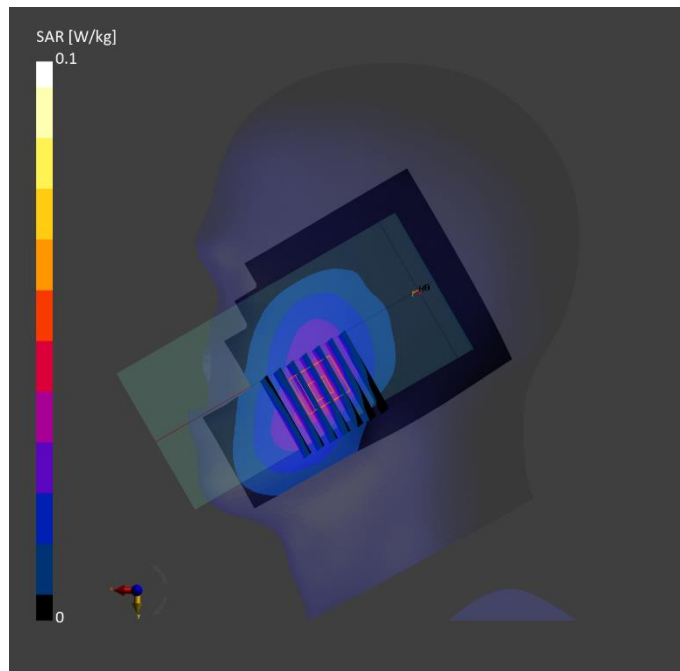
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.034 | 0.034 |
| psSAR-10g [W/kg] | 0.024 | 0.027 |
| Power Drift [dB] | | -0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 76.3 |
| Dist 3dB Peak [mm] | | 14.8 |



Test Date : 2023-10-29 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

102_NR Band n71_DFT-S QPSK20M_Left Cheek_Ch134600_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n71 | 5G NR FR1 FDD, 10931 - AAC | 673.000, 134600 | 9.81 | 0.898 | 44.5 |

Hardware Setup

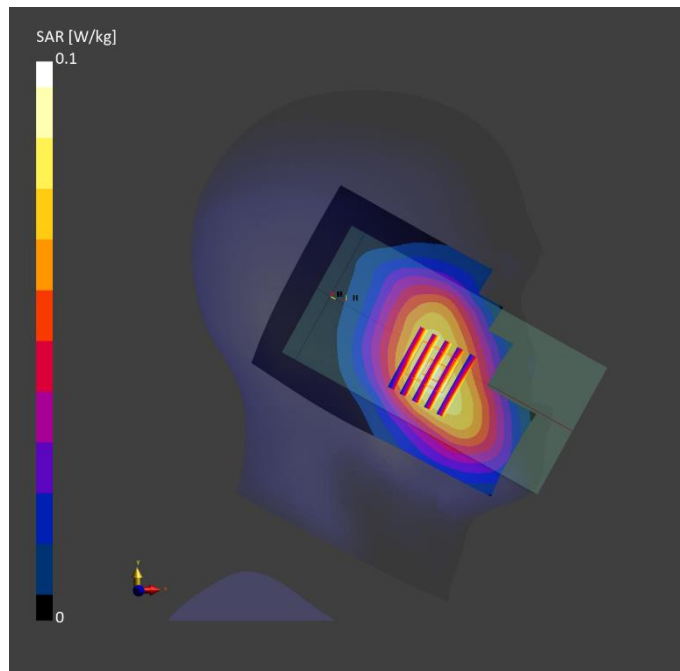
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.084 | 0.084 |
| psSAR-10g [W/kg] | 0.059 | 0.066 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 81.4 |
| Dist 3dB Peak [mm] | | 16.0 |



Test Date : 2023-11-04 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

103_NR Band n38_DFT-s QPSK40M_Right Cheek_Ch519000_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n38 | 5G NR FR1 TDD, 10903 - AAD | 2595.000, 519000 | 7.36 | 1.97 | 40.7 |

Hardware Setup

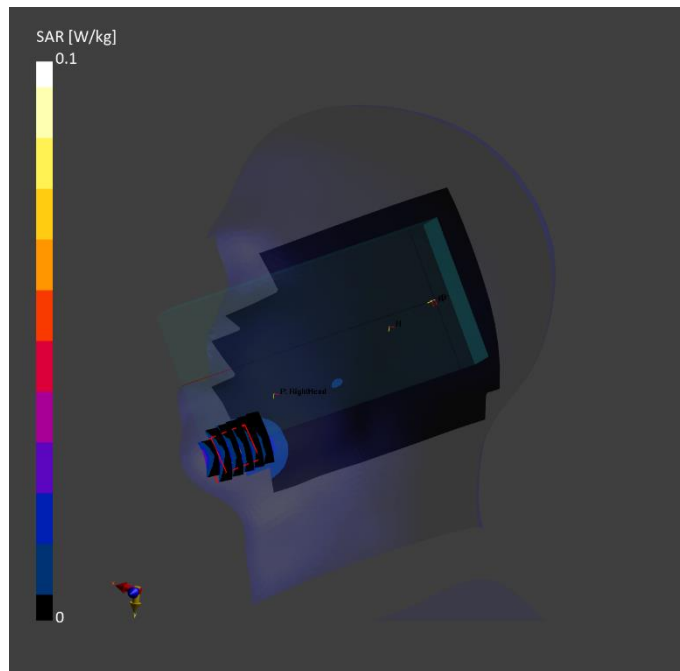
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.035 | 0.032 |
| psSAR-10g [W/kg] | 0.016 | 0.018 |
| Power Drift [dB] | | 0.18 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 63.4 |
| Dist 3dB Peak [mm] | | 10.2 |



Test Date : 2023-11-04 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

104_NR Band n38_DFT-s QPSK40M_Left Cheek_Ch519000_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n38 | 5G NR FR1 TDD, 10903 - AAD | 2595.000, 519000 | 7.36 | 1.97 | 40.7 |

Hardware Setup

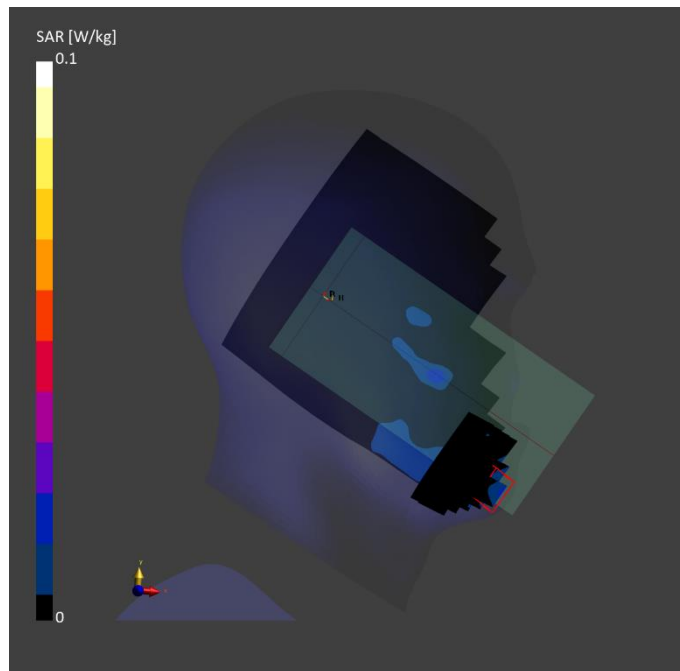
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.021 | 0.019 |
| psSAR-10g [W/kg] | 0.01 | 0.011 |
| Power Drift [dB] | | -0.17 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.8 |
| Dist 3dB Peak [mm] | | 5.5 |



Test Date : 2023-11-04 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

105_NR Band n38_DFT-s QPSK40M_Left Cheek_Ch519000_1RB_Offset1_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n38 | 5G NR FR1 TDD, 10903 - AAD | 2595.000, 519000 | 7.36 | 1.97 | 40.7 |

Hardware Setup

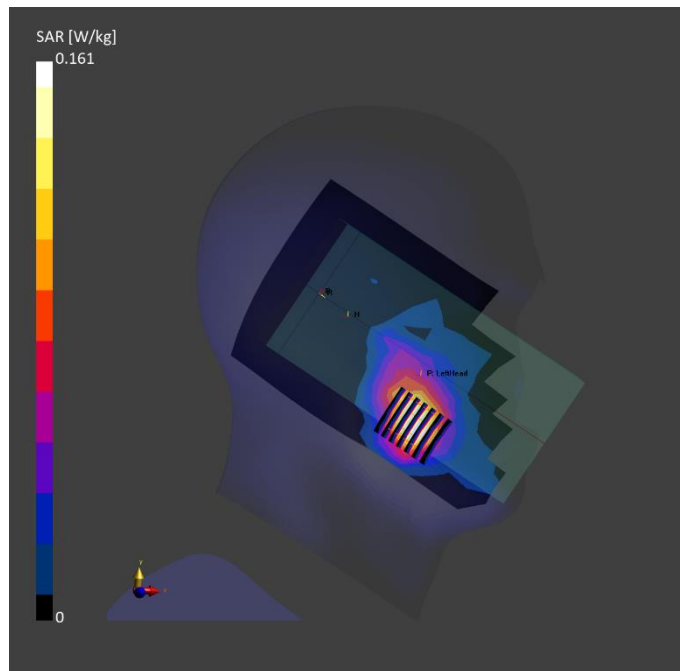
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.145 | 0.154 |
| psSAR-10g [W/kg] | 0.074 | 0.076 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.9 |
| Dist 3dB Peak [mm] | | 10.2 |



Test Date : 2023-11-04 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

106_NR Band n38_DFT-s QPSK40M_Right Cheek_Ch518000_1RB_Offset1_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n38 | 5G NR FR1 TDD, 10903 - AAD | 2590.000, 518000 | 7.36 | 1.96 | 40.7 |

Hardware Setup

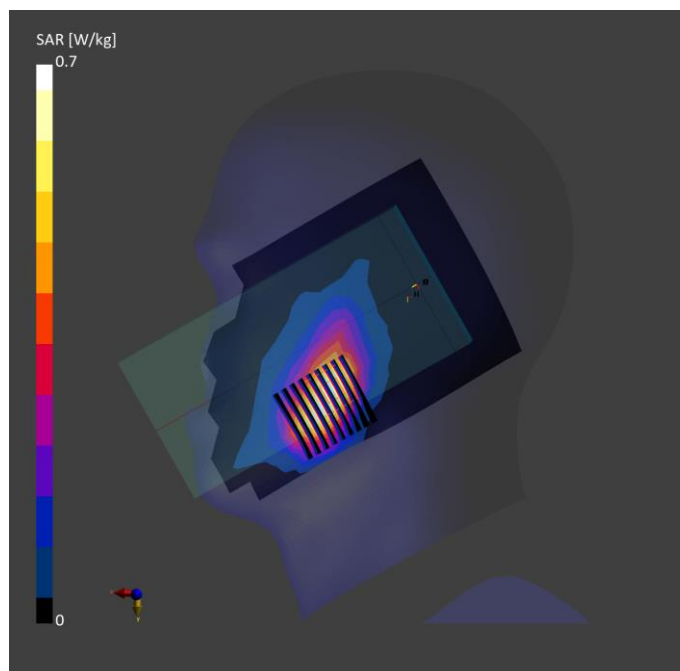
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.498 | 0.521 |
| psSAR-10g [W/kg] | 0.231 | 0.249 |
| Power Drift [dB] | | -0.05 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 57.0 |
| Dist 3dB Peak [mm] | | 10.6 |



Test Date : 2023-11-05 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

Test Mode

107_NR Band n41_DFT-s QPSK100M_Right Cheek_Ch523302_1RB_Offset1_Ant 0_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n41 | 5G NR FR1 TDD, 10866 - AAF | 2616.510, 523302 | 7.36 | 1.95 | 40.6 |

Hardware Setup

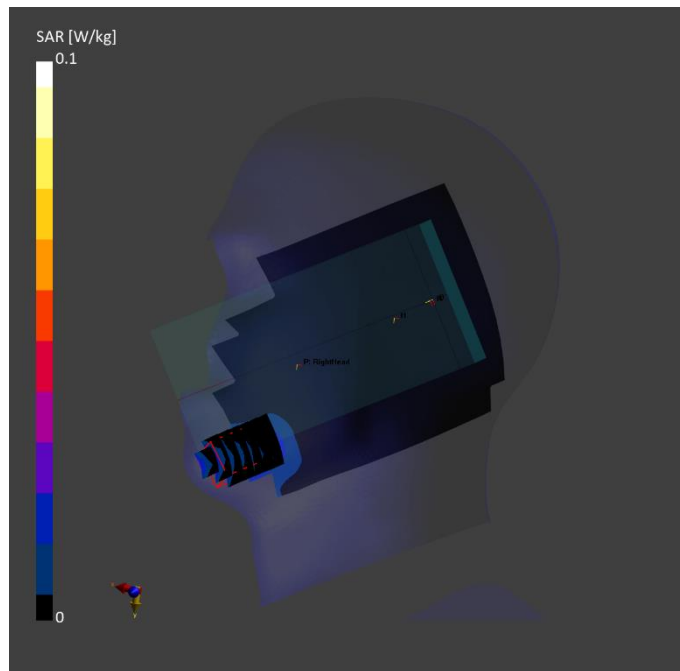
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.036 | 0.036 |
| psSAR-10g [W/kg] | 0.018 | 0.020 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.7 |
| Dist 3dB Peak [mm] | | 8.7 |



Test Date : 2023-11-05 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

Test Mode

108_NR Band n41_DFT-s QPSK100M_Left Cheek_Ch513900_1RB_Offset1_Ant 1_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n41 | 5G NR FR1 TDD, 10866 - AAF | 2569.500, 513900 | 7.36 | 1.91 | 40.7 |

Hardware Setup

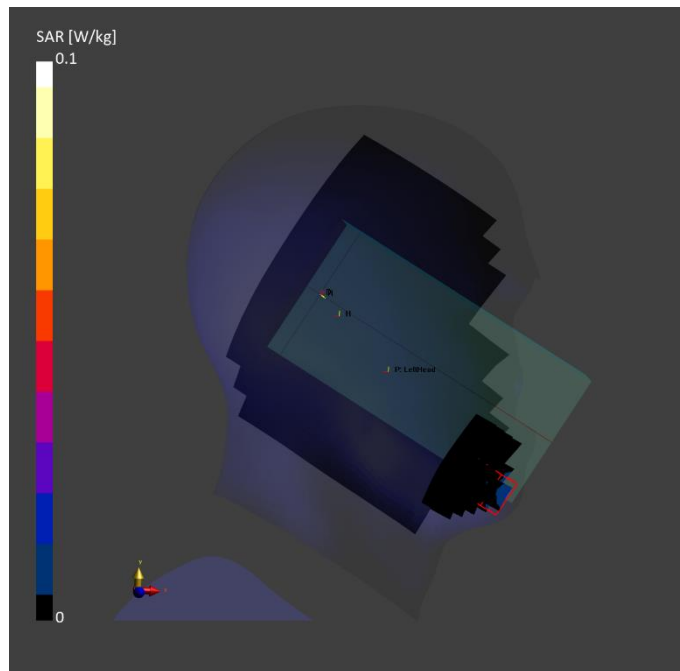
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.017 | 0.017 |
| psSAR-10g [W/kg] | 0.007 | 0.01 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 61.8 |
| Dist 3dB Peak [mm] | | 9.0 |



Test Date : 2023-11-05 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

Test Mode

109_NR Band n41_DFT-s QPSK100M_Left Cheek_Ch518598_1RB_Offset1_Ant 2_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n41 | 5G NR FR1 TDD, 10866 - AAF | 2592.990, 518598 | 7.36 | 1.93 | 40.6 |

Hardware Setup

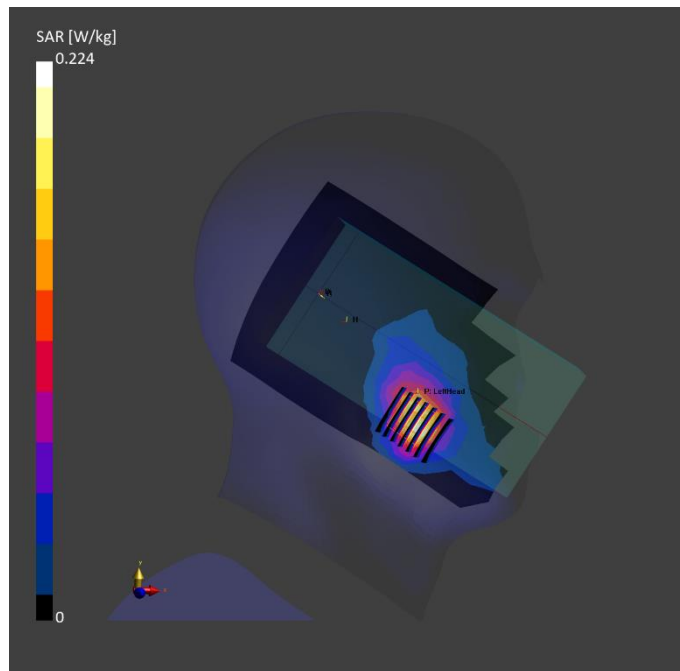
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

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] | 0.178 | 0.193 |
| psSAR-10g [W/kg] | 0.089 | 0.095 |
| Power Drift [dB] | | 0.07 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.8 |
| Dist 3dB Peak [mm] | | 10.7 |



Test Date : 2023-11-05 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

Test Mode

110_NR Band n41_DFT-s QPSK100M_Right Cheek_Ch513900_1RB_Offset0_Ant 3_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n41 | 5G NR FR1 TDD, 10866 - AAF | 2569.500, 513900 | 7.36 | 1.91 | 40.7 |

Hardware Setup

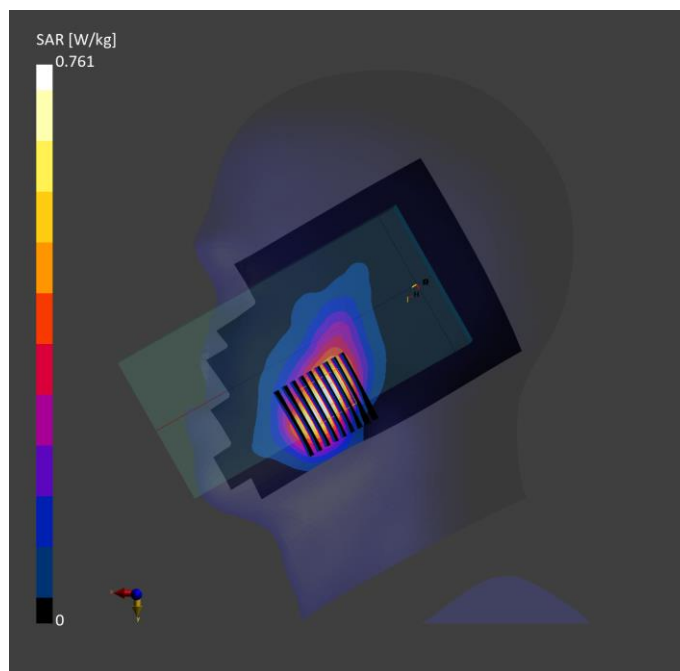
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

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] | 0.517 | 0.549 |
| psSAR-10g [W/kg] | 0.275 | 0.301 |
| Power Drift [dB] | | -0.05 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 57.8 |
| Dist 3dB Peak [mm] | | 10.6 |



Test Date : 2023-11-07 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

Test Mode

111_NR Band n48_DFT-S QPSK40M_Left Cheek_Ch638000_1RB_Offset1_Ant 4_w/RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n48 | 5G NR FR1 TDD, 10903 - AAD | 3569.995, 638000 | 6.87 | 2.75 | 38.2 |

Hardware Setup

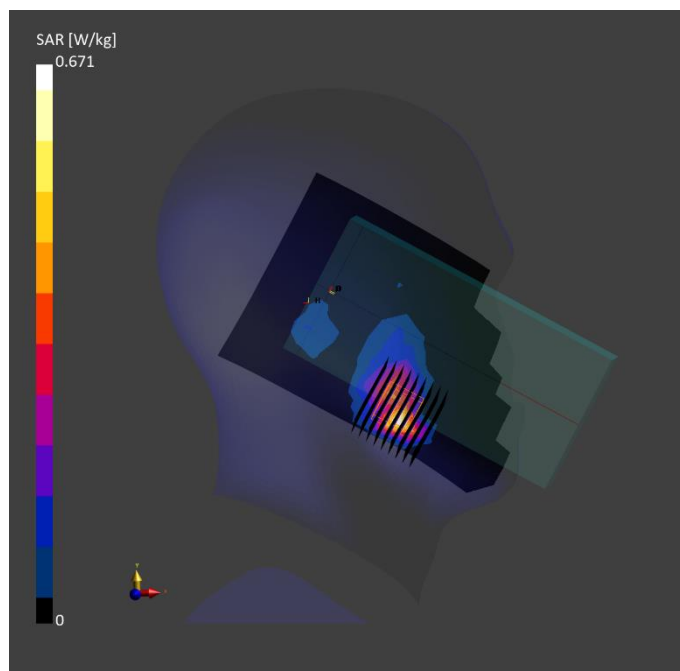
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.464 | 0.529 |
| psSAR-10g [W/kg] | 0.181 | 0.193 |
| Power Drift [dB] | | 0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.0 |
| Dist 3dB Peak [mm] | | 5.9 |



Test Date : 2023-11-07 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

Test Mode

112_NR Band n48_DFT-S QPSK40M_Right Cheek_Ch645332_1RB_Offset1_Ant 5_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n48 | 5G NR FR1 TDD, 10903 - AAD | 3679.975, 645332 | 6.8 | 2.85 | 38.0 |

Hardware Setup

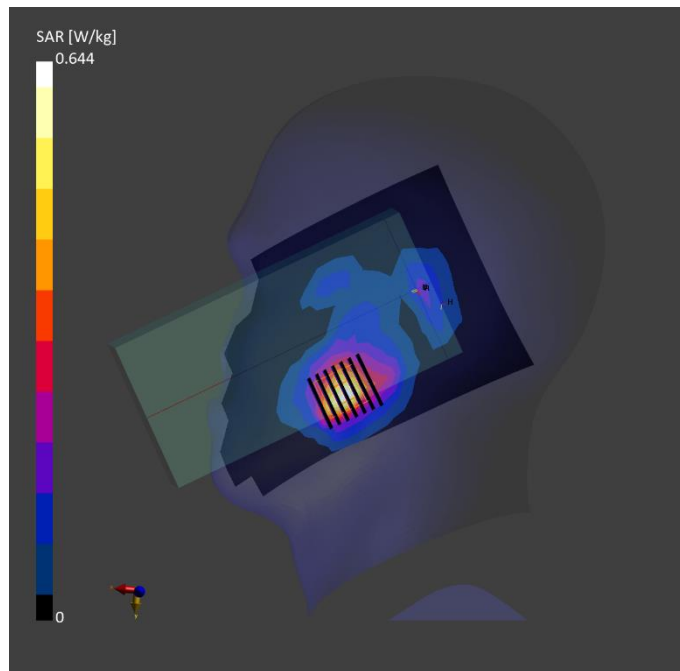
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.484 | 0.495 |
| psSAR-10g [W/kg] | 0.207 | 0.218 |
| Power Drift [dB] | | 0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.2 |
| Dist 3dB Peak [mm] | | 11.5 |



Test Date : 2023-11-07 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

Test Mode

113_NR Band n48_DFT-S QPSK40M_Left Cheek_Ch638000_1RB_Offset1_Ant 6_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n48 | 5G NR FR1 TDD, 10903 - AAD | 3569.995, 638000 | 6.87 | 2.75 | 38.2 |

Hardware Setup

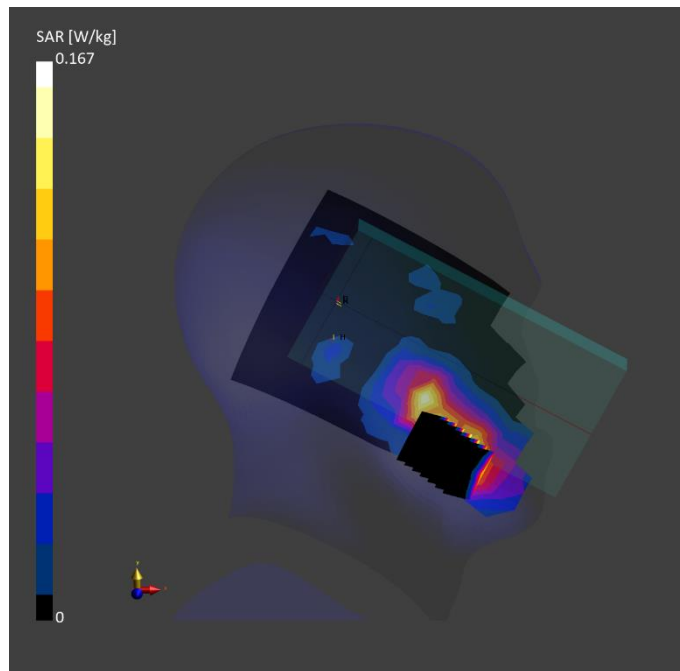
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.138 | 0.142 |
| psSAR-10g [W/kg] | 0.064 | 0.067 |
| Power Drift [dB] | | -0.16 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 70.3 |
| Dist 3dB Peak [mm] | | 13.3 |



Test Date : 2023-11-07 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

Test Mode

114_NR Band n48_DFT-S QPSK40M_Right Cheek_Ch638000_1RB_Offset1_Ant 7_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n48 | 5G NR FR1 TDD, 10903 - AAD | 3569.995, 638000 | 6.87 | 2.75 | 38.2 |

Hardware Setup

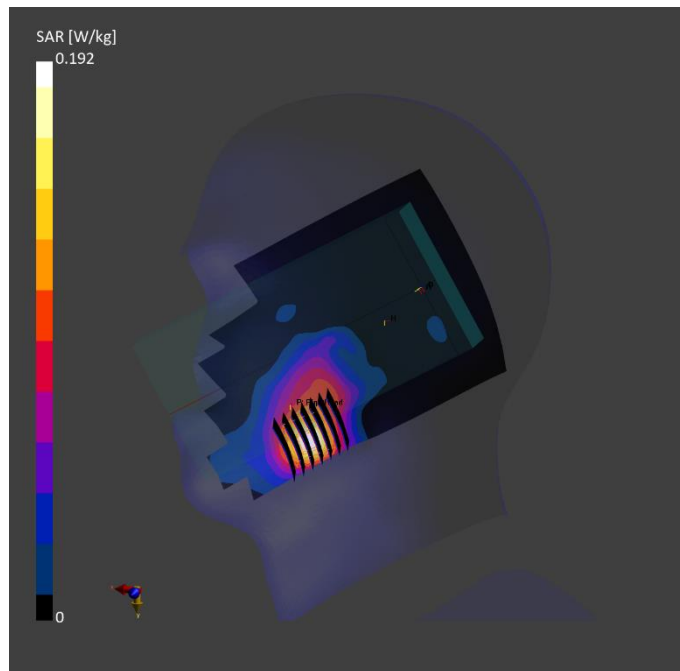
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.112 | 0.115 |
| psSAR-10g [W/kg] | 0.052 | 0.053 |
| Power Drift [dB] | | -0.14 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.4 |
| Dist 3dB Peak [mm] | | 14.2 |



Test Date : 2023-10-27 | Ambient Temp : 22.6 °C | Tissue Temp : 22.2 °C

Test Mode

115_NR Band n77_DFT-S QPSK100M_Left Cheek_Ch633334_1RB_Offset1_Ant 4_w/ RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n77 | 5G NR FR1 TDD, 10866 - AAF | 3500.010, 633334 | 6.87 | 2.74 | 40.0 |

Hardware Setup

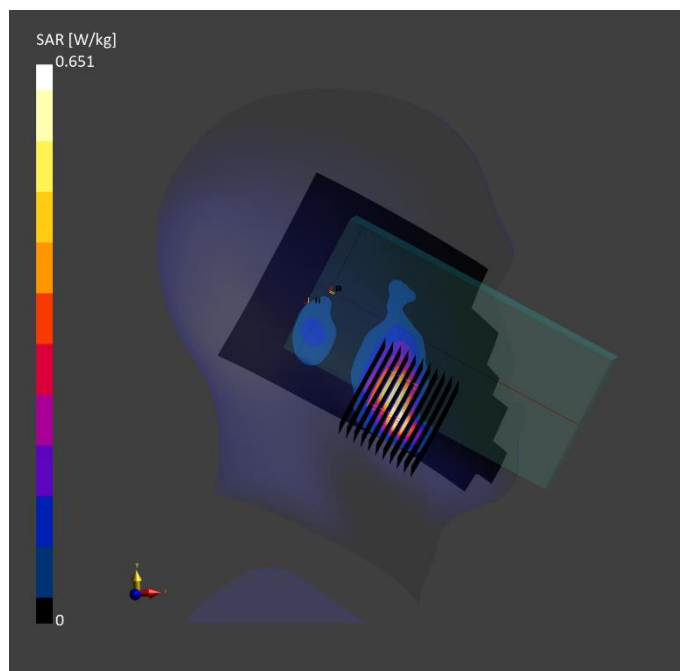
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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 | 0.516 |
| psSAR-10g [W/kg] | 0.274 | 0.283 |
| Power Drift [dB] | | -0.06 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.6 |
| Dist 3dB Peak [mm] | | 6.4 |



Test Date : 2023-10-27 | Ambient Temp : 22.6 °C | Tissue Temp : 22.2 °C

Test Mode

116_NR Band n77_DFT-S QPSK100M_Right Cheek_Ch633334_1RB_Offset1_Ant 5_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n77 | 5G NR FR1 TDD, 10866 - AAF | 3500.010, 633334 | 6.87 | 2.74 | 40.0 |

Hardware Setup

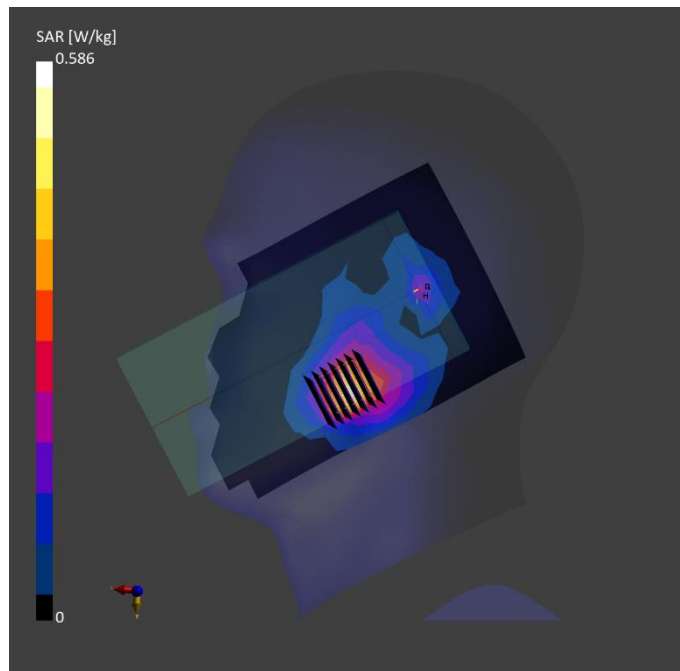
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.446 | 0.470 |
| psSAR-10g [W/kg] | 0.196 | 0.210 |
| Power Drift [dB] | | 0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.1 |
| Dist 3dB Peak [mm] | | 11.4 |



Test Date : 2023-10-27 | Ambient Temp : 22.6 °C | Tissue Temp : 22.2 °C

Test Mode

117_NR Band n77_DFT-S QPSK100M_Left Cheek_Ch637430_1RB_Offset1_Ant 6_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n77 | 5G NR FR1 TDD, 10866 - AAF | 3561.450, 637430 | 6.87 | 2.80 | 39.9 |

Hardware Setup

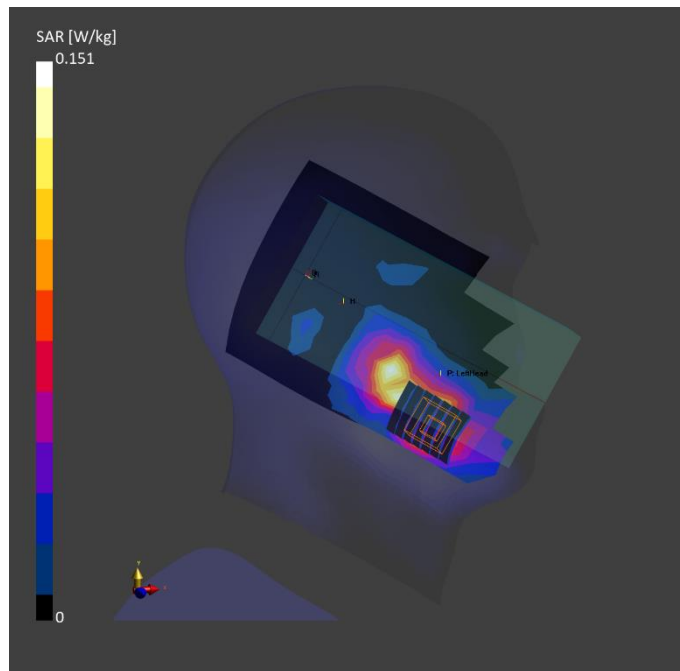
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.122 | 0.125 |
| psSAR-10g [W/kg] | 0.055 | 0.058 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 72.2 |
| Dist 3dB Peak [mm] | | 13.6 |



Test Date : 2023-10-27 | Ambient Temp : 22.6 °C | Tissue Temp : 22.2 °C

Test Mode

118_NR Band n77_DFT-S QPSK100M_Right Cheek_Ch645619_1RB_Offset1_Ant 7_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n77 | 5G NR FR1 TDD, 10866 - AAF | 3684.285, 645619 | 6.8 | 2.92 | 39.7 |

Hardware Setup

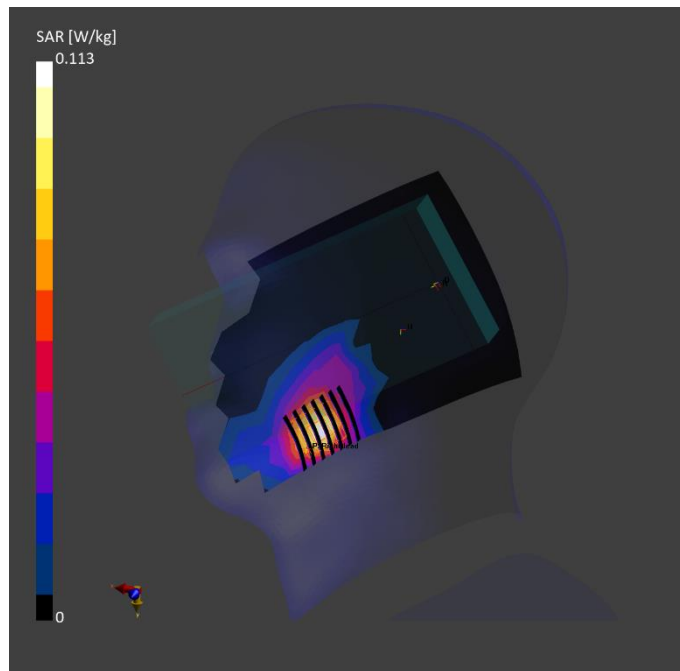
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.088 | 0.092 |
| psSAR-10g [W/kg] | 0.040 | 0.040 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.2 |
| Dist 3dB Peak [mm] | | 12.8 |



Test Date : 2023-10-28 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

119_NR Band n78_DFT-S QPSK100M_Left Cheek_Ch633334_1RB_Offset1_Ant 4_w/ RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n78 | 5G NR FR1 TDD, 10866 - AAF | 3500.010, 633334 | 6.87 | 2.77 | 39.7 |

Hardware Setup

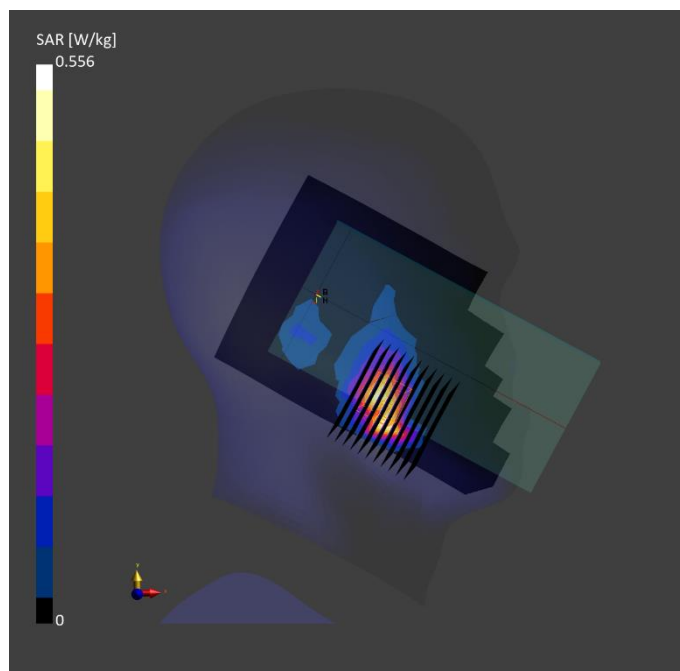
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.407 | 0.547 |
| psSAR-10g [W/kg] | 0.183 | 0.296 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.7 |
| Dist 3dB Peak [mm] | | 6.3 |



Test Date : 2023-10-28 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

120_NR Band n78_DFT-S QPSK100M_Right Cheek_Ch633334_1RB_Offset1_Ant 5_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n78 | 5G NR FR1 TDD, 10866 - AAF | 3500.010, 633334 | 6.87 | 2.77 | 39.7 |

Hardware Setup

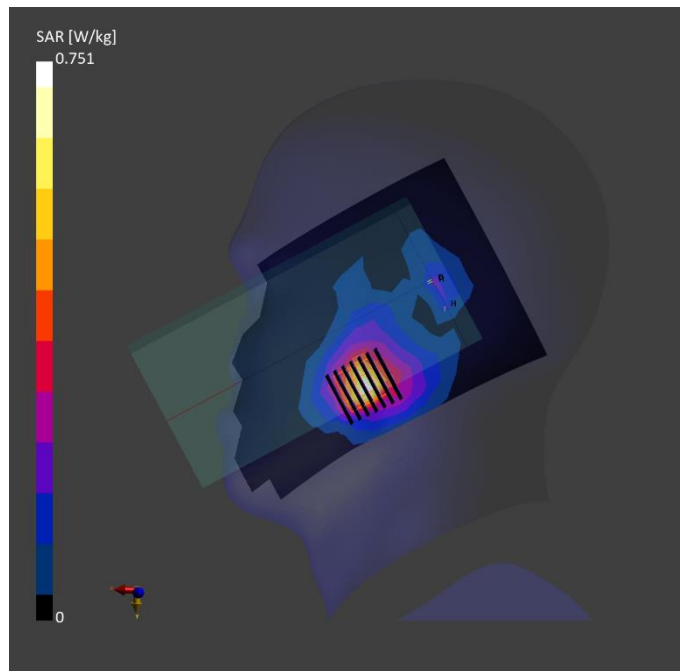
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.563 | 0.559 |
| psSAR-10g [W/kg] | 0.247 | 0.231 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.5 |
| Dist 3dB Peak [mm] | | 11.5 |



Test Date : 2023-10-28 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

121_NR Band n78_DFT-S QPSK100M_Left Cheek_Ch637430_1RB_Offset1_Ant 6_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | Band n78 | 5G NR FR1 TDD, 10866 - AAF | 3561.450, 637430 | 6.87 | 2.83 | 39.6 |

Hardware Setup

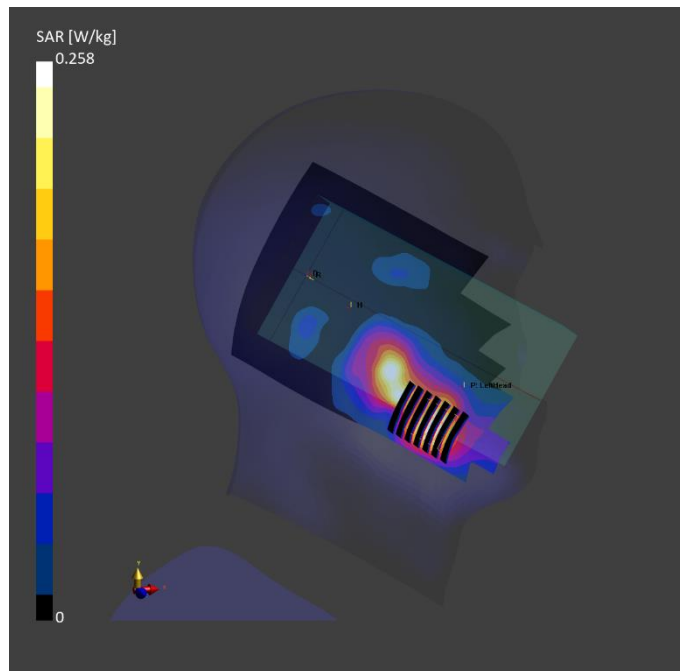
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.164 | 0.170 |
| psSAR-10g [W/kg] | 0.075 | 0.080 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.9 |
| Dist 3dB Peak [mm] | | 13.6 |



Test Date : 2023-10-28 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

122_NR Band n78_DFT-S QPSK100M_Right Cheek_Ch633334_1RB_Offset1_Ant 7_w/o RCV

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | Band n78 | 5G NR FR1 TDD, 10866 - AAF | 3500.010, 633334 | 6.87 | 2.77 | 39.7 |

Hardware Setup

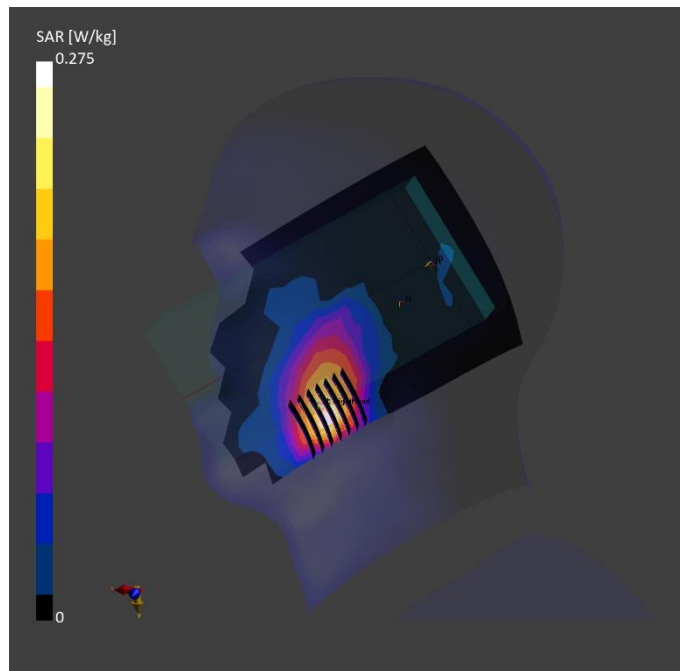
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7737 2023-06-05 | DAE4 Sn1743 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.213 | 0.225 |
| psSAR-10g [W/kg] | 0.100 | 0.109 |
| Power Drift [dB] | | -0.17 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.1 |
| Dist 3dB Peak [mm] | | 15.0 |



Test Date : 2023-10-13 | Ambient Temp : 22.6 °C | Tissue Temp : 22.3 °C

Test Mode

119_WLAN 2.4G_802.11b_Right Cheek_Ch6_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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|-------------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| RightHead | WLAN 2.4GHz | WLAN, 10012 - CAB | 2437.000, 6 | 7.7 | 1.87 | 40.8 |

Hardware Setup

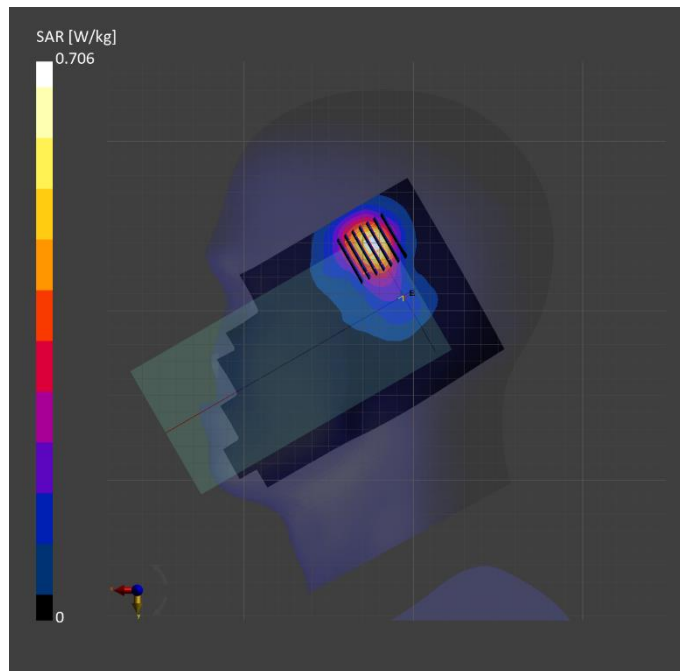
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

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] | 0.294 | 0.398 |
| psSAR-10g [W/kg] | 0.145 | 0.189 |
| Power Drift [dB] | | 0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.4 |
| Dist 3dB Peak [mm] | | 10.6 |



Test Date : 2023-10-13 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

120_WLAN 5.3G_802.11n HT40_Left Cheek_Ch54_Ant 2

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|-----------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | WLAN 5GHz | WLAN, 10599 - AAC | 5270.000, 54 | 5.91 | 4.63 | 35.8 |

Hardware Setup

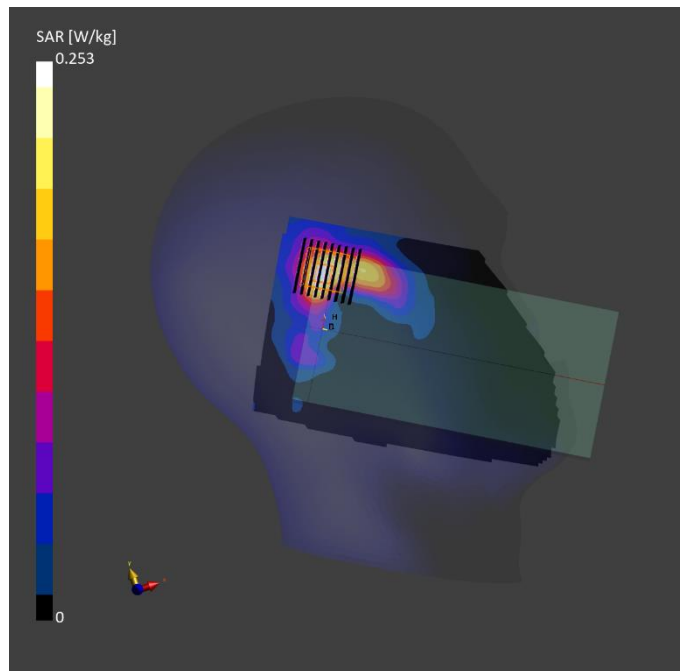
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000_230322 | EX3DV4 - SN7650 / 2023-05-22 | DAE4 Sn1741 / 2023-08-23 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 220.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 4.0 x 4.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | N/A | Yes |
| Grading Ratio | N/A | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg] | 0.223 | 0.110 |
| psSAR-10g [W/kg] | 0.086 | 0.038 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 68.4 |
| Dist 3dB Peak [mm] | | 6.9 |



Test Date : 2023-10-13 | Ambient Temp : 22.6 °C | Tissue Temp : 22.3 °C

Test Mode

122_WLAN 5.6G_802.11ac VHT80_Left Cheek_Ch138_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 | XASB4HB3300008 | Phone |

Exposure Conditions

| Phantom Section | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|-----------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | WLAN 5GHz | WLAN, 10544 - AAC | 5690.000, 138 | 4.57 | 4.9 | 35.5 |

Hardware Setup

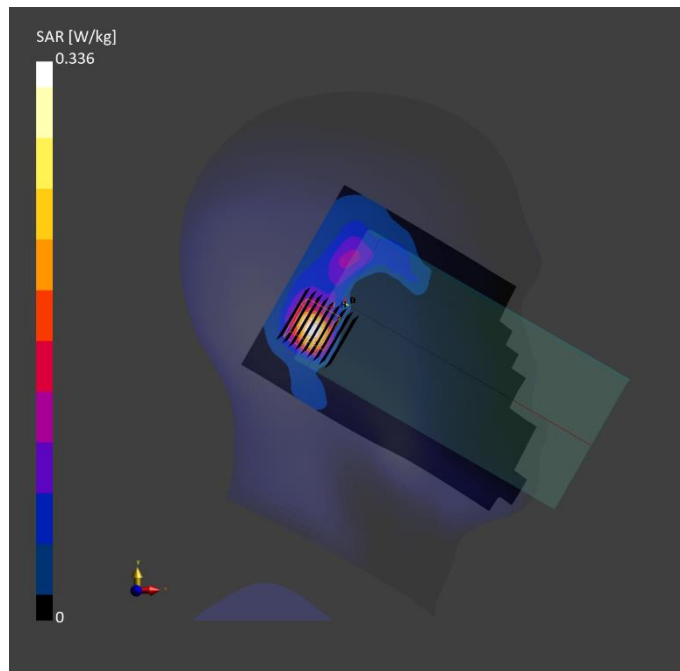
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.308 | 0.299 |
| psSAR-10g [W/kg] | 0.110 | 0.093 |
| Power Drift [dB] | | 0.16 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 70.0 |
| Dist 3dB Peak [mm] | | 8.0 |



Test Date : 2023-10-13 | Ambient Temp : 22.6 °C | Tissue Temp : 22.3 °C

Test Mode

123_WLAN 5.8G_802.11ac VHT160_Left Cheek_Ch163_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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|-----------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | WLAN 5GHz | WLAN, 10554 - AAD | 5815.000, 163 | 4.62 | 5.03 | 35.3 |

Hardware Setup

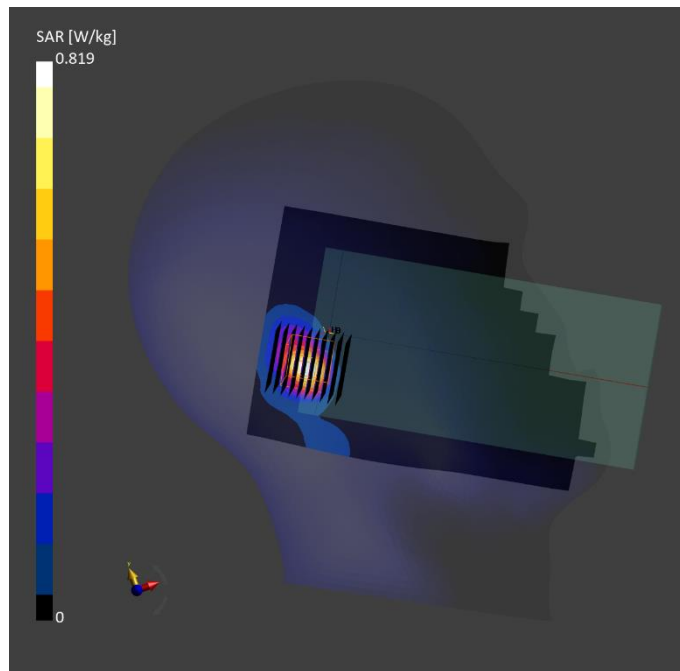
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 220.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 4.0 x 4.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | N/A | Yes |
| Grading Ratio | N/A | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg] | 0.371 | 0.379 |
| psSAR-10g [W/kg] | 0.130 | 0.133 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.5 |
| Dist 3dB Peak [mm] | | 8.6 |



Test Date : 2023-10-13 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

124_Bluetooth_BDR_EDR_Left Cheek_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 | XASB4HB3300008 | Phone |

Exposure Conditions

| Phantom Section | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|------------------|------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | ISM 2.4 GHz Band | Bluetooth, 10030 - CAA | 2441.000, 39 | 8.2 | 1.83 | 40.5 |

Hardware Setup

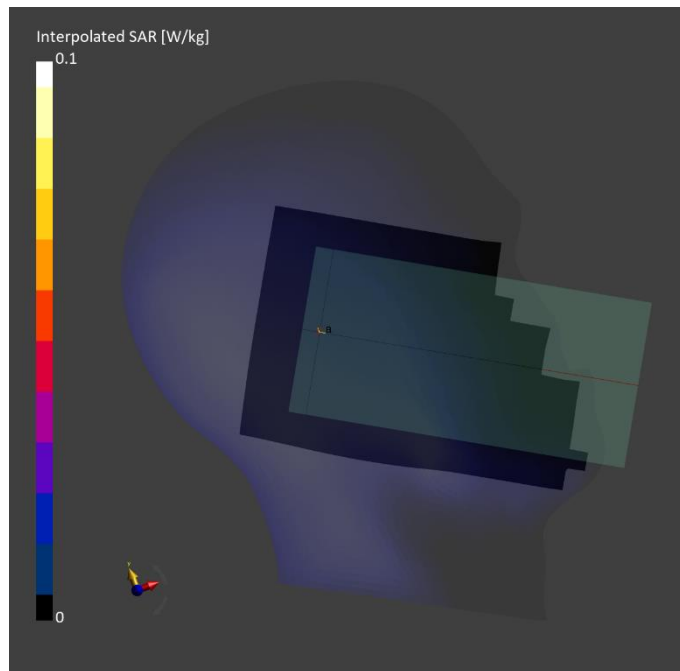
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000_230322 | EX3DV4 - SN7650 / 2023-05-22 | DAE4 Sn1741 / 2023-08-23 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|-----------|
| Grid Extents [mm] | 120.0 x 220.0 | x x |
| Grid Steps [mm] | 12.0 x 10.0 | x x |
| 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 : 2023-10-13 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

125_Bluetooth_BDR_EDR_Left Cheek_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 | XASB4HB3300008 | Phone |

Exposure Conditions

| Phantom Section | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|------------------|------------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | ISM 2.4 GHz Band | Bluetooth, 10030 - CAA | 2441.000, 39 | 8.2 | 1.83 | 40.5 |

Hardware Setup

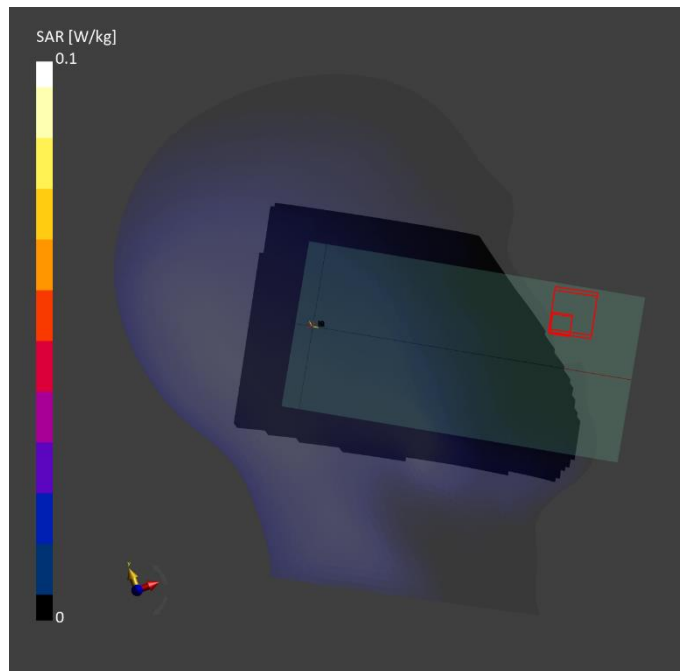
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000_230322 | EX3DV4 - SN7650 / 2023-05-22 | DAE4 Sn1741 / 2023-08-23 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|-----------|
| Grid Extents [mm] | 120.0 x 220.0 | x x |
| Grid Steps [mm] | 12.0 x 10.0 | x x |
| 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 : 2023-10-12 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

126_UNII-5_802.11ax_HE160_Left Cheek_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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| LeftHead | U-NII-5 | WLAN, 10755 - AAC | 6345.000, 79 | 4.43 | 5.81 | 34.5 |

Hardware Setup

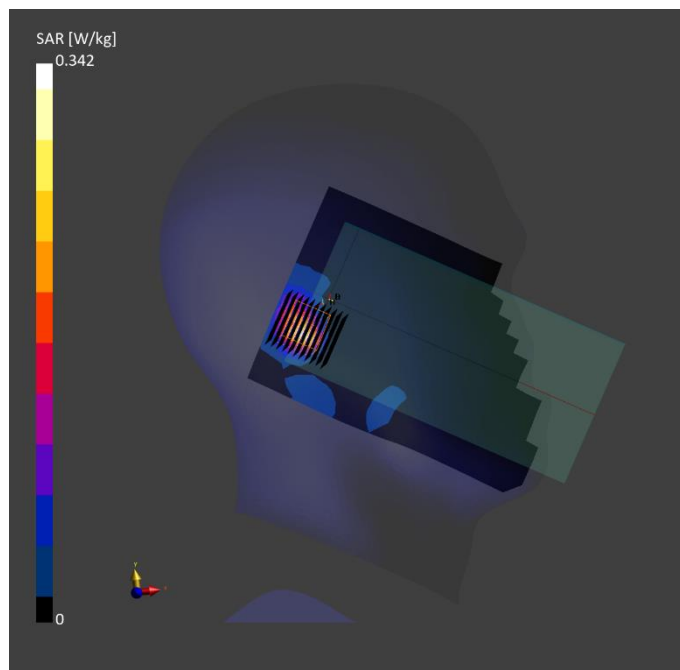
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000 | EX3DV4 - SN7757 2023-08-22 | DAE4 Sn1669 2023-05-23 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 119.0 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] | 0.252 | 0.256 |
| psSAR-10g [W/kg] | 0.081 | 0.087 |
| psAPD (1.0 cm ² , sq) [W/m ²] | | 2.56 |
| psAPD (4.0 cm ² , sq) [W/m ²] | | 1.94 |
| Power Drift [dB] | | 0.18 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 68.6 |
| Dist 3dB Peak [mm] | | 6.7 |



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

Test Mode

127_UNII-5_802.11ax HE160_Left Cheek_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

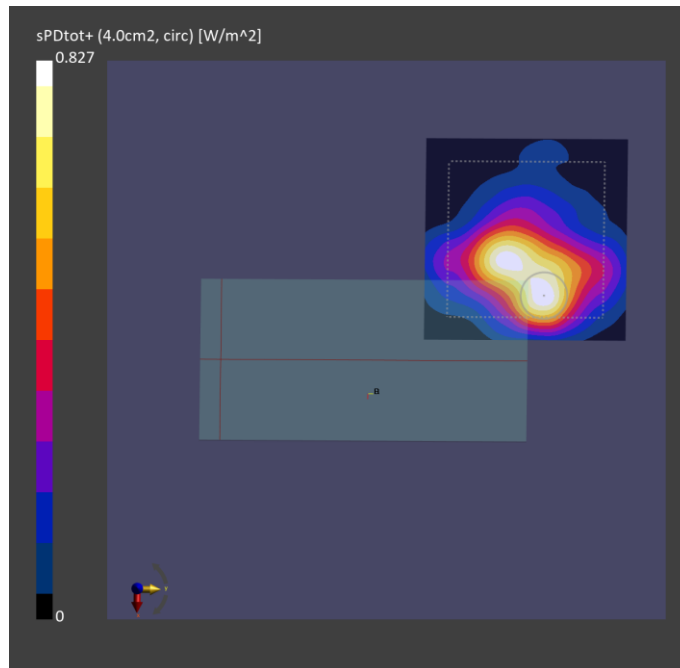
| Phantom | Medium | Probe Calibration Date | DAE Calibration Date |
|---------------|--------|--|--------------------------|
| mmWave - 1102 | Air | EUmmWV3 - SN9403_F1-55GHz / 2022-12-07 | DAE4 Sn1669 / 2023-05-23 |

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] | 0.725 |
| psPD tot+ [W/m ²] | 0.827 |
| psPD mod+ [W/m ²] | 1.02 |
| E max [V/m] | 26.4 |
| Power Drift [dB] | 0.11 |



Test Date : 2023-11-10 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

86_GSM850_GPRS12_Rear Face_5mm_Ch251_Ant 0_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | GSM 850 | GSM, 10028 - DAC | 848.800, 251 | 9.67 | 0.972 | 43.0 |

Hardware Setup

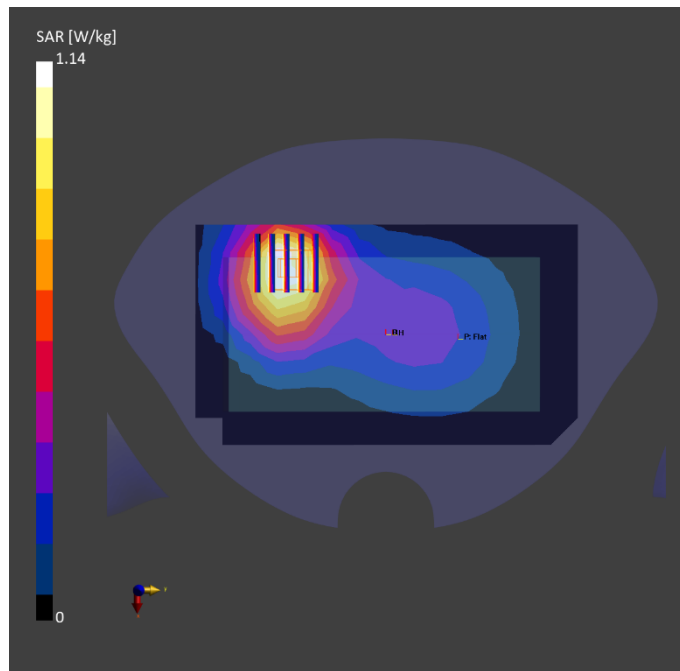
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.876 | 0.871 |
| psSAR-10g [W/kg] | 0.467 | 0.473 |
| Power Drift [dB] | | -0.03 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 61.9 |
| Dist 3dB Peak [mm] | | 19.6 |



Test Date : 2023-11-10 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

Test Mode

87_GSM850_GPRS12_Front Face_5mm_Ch251_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 | XASB4HB3300008 | Phone |

Exposure Conditions

| Phantom Section | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | GSM 850 | GSM, 10028 - DAC | 848.800, 251 | 9.67 | 0.972 | 43.0 |

Hardware Setup

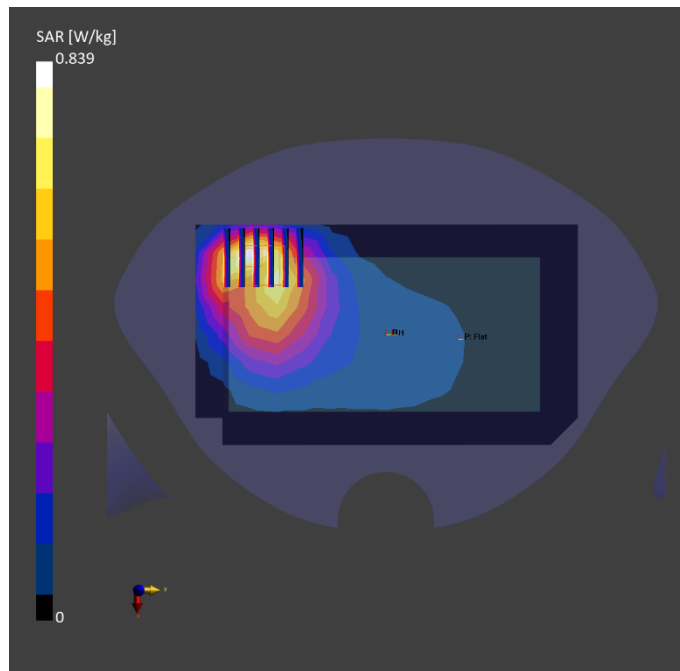
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.707 | 0.704 |
| psSAR-10g [W/kg] | 0.456 | 0.417 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 51.8 |
| Dist 3dB Peak [mm] | | 12.8 |



Test Date : 2023-11-19 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

88_GSM1900_GPRS10_Rear Face_5mm_Ch810_Ant 0_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | PCS 1900 | GSM, 10024 - DAC | 1909.800, 810 | 8.25 | 1.48 | 41.1 |

Hardware Setup

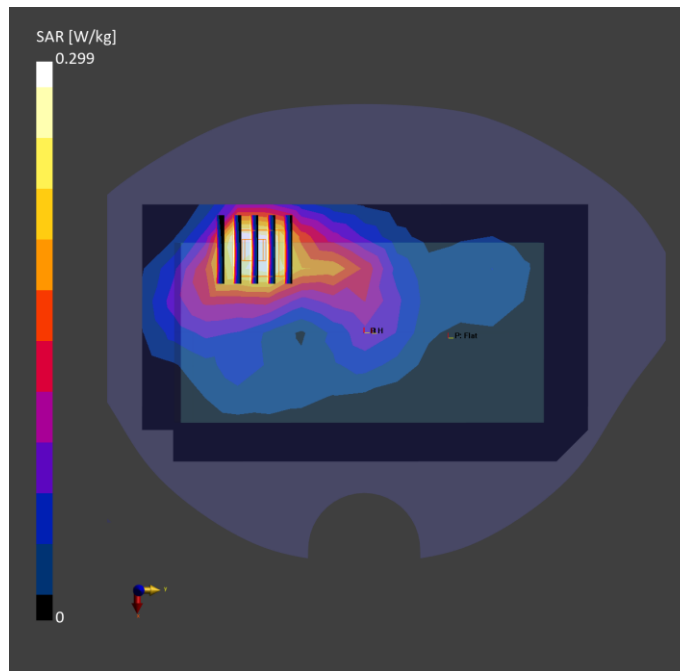
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.279 | 0.297 |
| psSAR-10g [W/kg] | 0.164 | 0.168 |
| Power Drift [dB] | | -0.04 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 55.4 |
| Dist 3dB Peak [mm] | | 15.8 |



Test Date : 2023-11-19 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

89_GSM1900_GPRS10_Front Face_5mm_Ch512_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 | XASB4HB3300008 | Phone |

Exposure Conditions

| Phantom Section | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | PCS 1900 | GSM, 10024 - DAC | 1850.200, 512 | 8.25 | 1.44 | 41.2 |

Hardware Setup

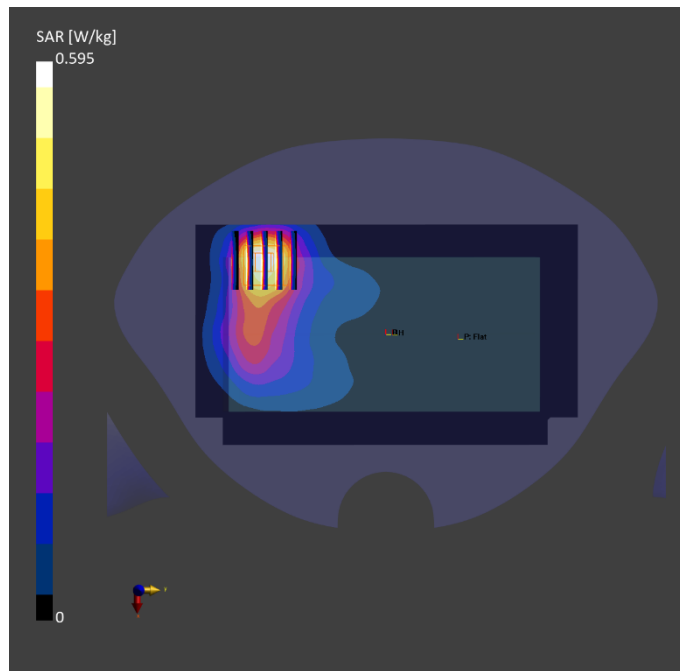
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.510 | 0.578 |
| psSAR-10g [W/kg] | 0.249 | 0.278 |
| Power Drift [dB] | | 0.11 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 59.4 |
| Dist 3dB Peak [mm] | | 11.7 |



Test Date : 2023-11-19 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

90_GSM1900_GPRS10_Rear Face_5mm_Ch661_Ant 2_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | PCS 1900 | GSM, 10024 - DAC | 1880.000, 661 | 8.25 | 1.46 | 41.1 |

Hardware Setup

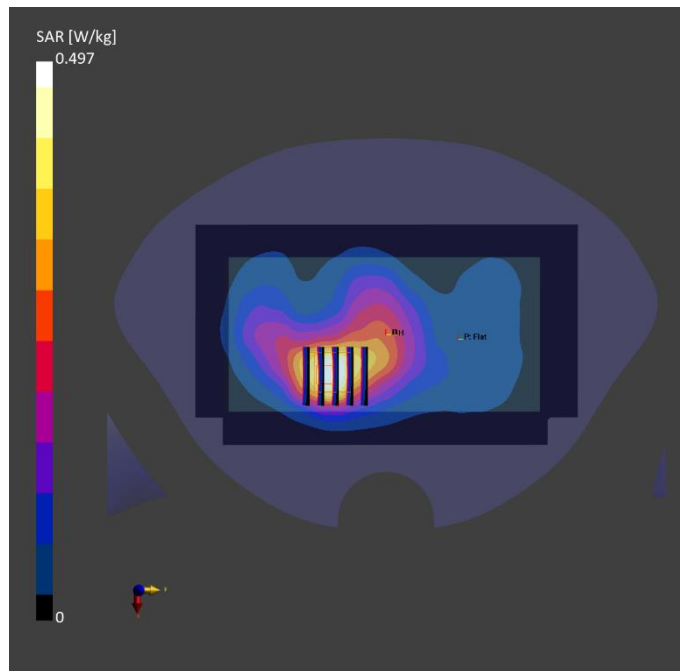
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.307 | 0.339 |
| psSAR-10g [W/kg] | 0.179 | 0.189 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 55.3 |
| Dist 3dB Peak [mm] | | 15.1 |



Test Date : 2023-11-19 | Ambient Temp : 22.5 °C | Tissue Temp : 22.2 °C

Test Mode

91_GSM1900_GPRS12_Rear Face_5mm_Ch512_Ant 3_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | PCS 1900 | GSM, 10028 - DAC | 1850.200, 512 | 8.25 | 1.44 | 41.2 |

Hardware Setup

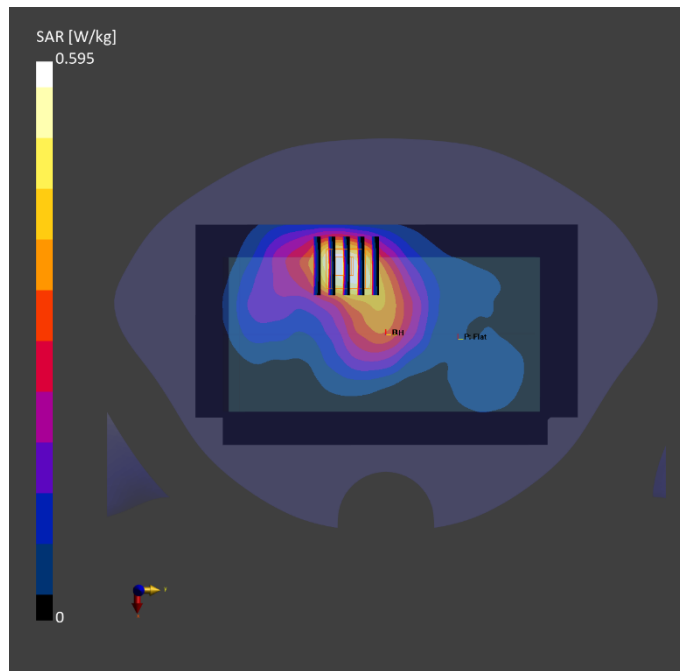
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.353 | 0.393 |
| psSAR-10g [W/kg] | 0.210 | 0.218 |
| Power Drift [dB] | | -0.05 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 54.3 |
| Dist 3dB Peak [mm] | | 14.4 |



Test Date : 2023-11-16 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

92_WCDMA Band II_RMC12.2K_Rear Face_5mm_Ch9400_Ant 0_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | Band 2 | WCDMA, 10011 - CAB | 1880.000, 9400 | 8.25 | 1.42 | 40.8 |

Hardware Setup

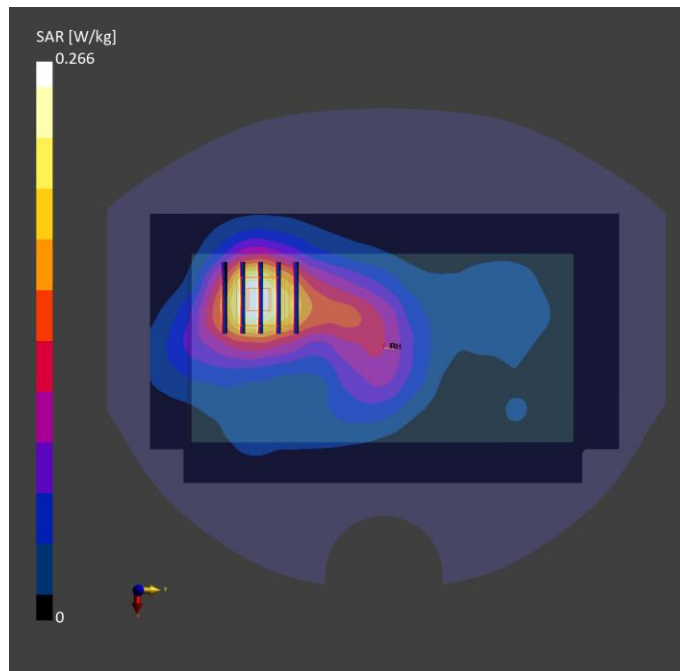
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.393 | 0.416 |
| psSAR-10g [W/kg] | 0.228 | 0.230 |
| Power Drift [dB] | | -0.06 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.6 |
| Dist 3dB Peak [mm] | | 18.3 |



Test Date : 2023-11-16 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

93_WCDMA Band II_RMC12.2K_Front Face_5mm_Ch9262_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 | XASB4HB3300008 | Phone |

Exposure Conditions

| Phantom Section | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | Band 2 | WCDMA, 10011 - CAB | 1852.400, 9262 | 8.25 | 1.40 | 40.9 |

Hardware Setup

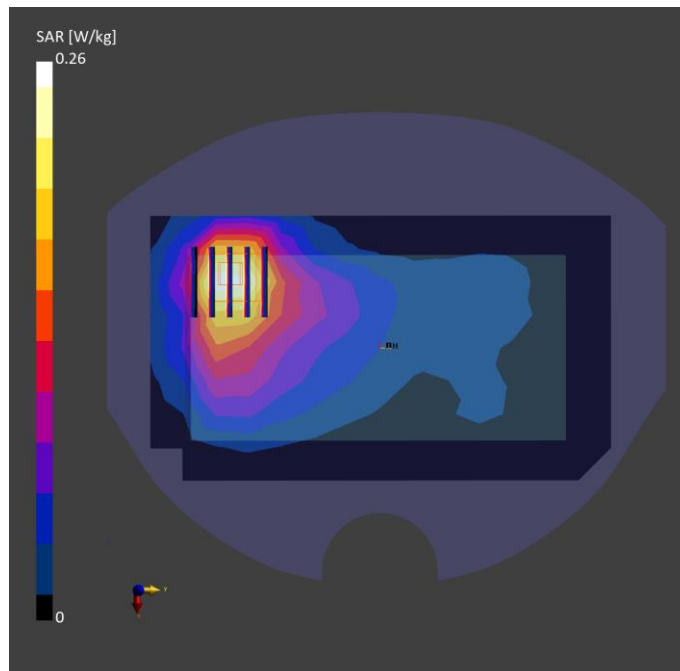
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.330 | 0.348 |
| psSAR-10g [W/kg] | 0.135 | 0.196 |
| Power Drift [dB] | | 0.02 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 67.2 |
| Dist 3dB Peak [mm] | | 13.6 |



Test Date : 2023-11-16 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

94_WCDMA Band II_RMC12.2K_Rear Face_5mm_Ch9400_Ant 2_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | Band 2 | WCDMA, 10011 - CAB | 1880.000, 9400 | 8.25 | 1.42 | 40.8 |

Hardware Setup

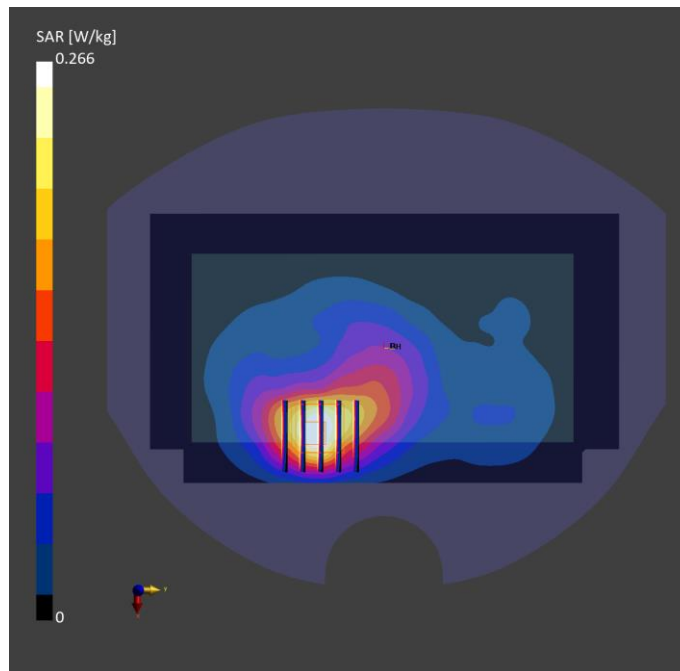
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.296 | 0.476 |
| psSAR-10g [W/kg] | 0.171 | 0.181 |
| Power Drift [dB] | | -0.05 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 69.8 |
| Dist 3dB Peak [mm] | | 14.4 |



Test Date : 2023-11-16 | Ambient Temp : 22.7 °C | Tissue Temp : 22.3 °C

Test Mode

95_WCDMA Band II_RMC12.2K_Rear Face_5mm_Ch9400_Ant 3_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | Band 2 | WCDMA, 10011 - CAB | 1880.000, 9400 | 8.25 | 1.42 | 40.8 |

Hardware Setup

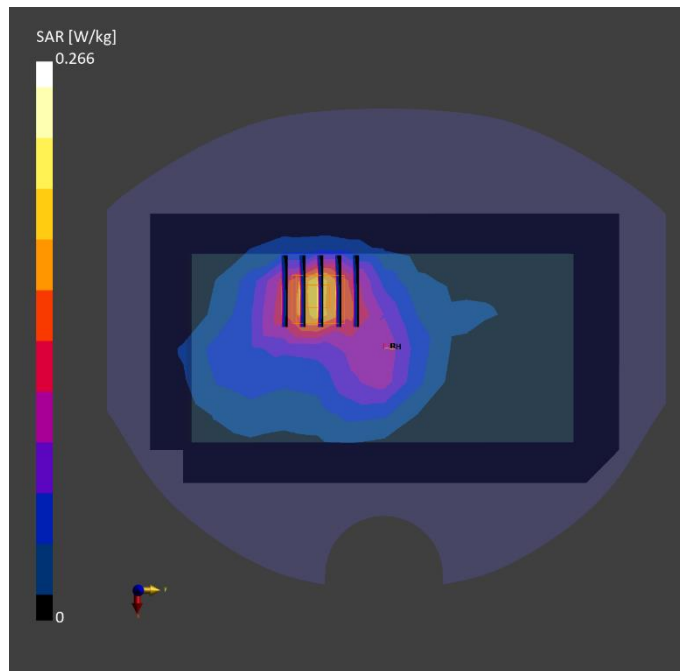
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.178 | 0.197 |
| psSAR-10g [W/kg] | 0.102 | 0.107 |
| Power Drift [dB] | | -0.07 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.4 |
| Dist 3dB Peak [mm] | | 12.8 |



Test Date : 2023-11-18 | Ambient Temp : 22.2 °C | Tissue Temp : 22.1 °C

Test Mode

96_WCDMA Band IV_RMC12.2K_Rear Face_5mm_Ch1413_Ant 0_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | Band 4 | WCDMA, 10011 - CAB | 1732.600, 1413 | 8.68 | 1.39 | 41.8 |

Hardware Setup

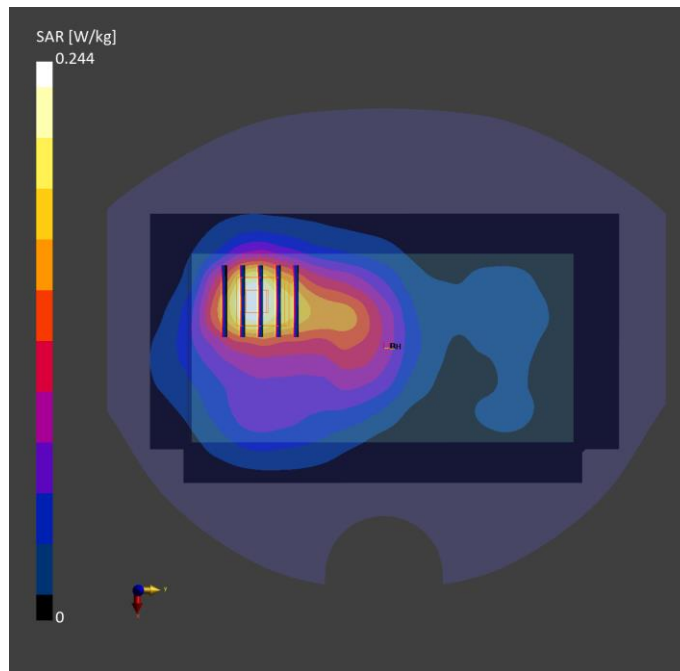
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.234 | 0.348 |
| psSAR-10g [W/kg] | 0.139 | 0.143 |
| Power Drift [dB] | | -0.09 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.7 |
| Dist 3dB Peak [mm] | | 17.1 |



Test Date : 2023-11-18 | Ambient Temp : 22.2 °C | Tissue Temp : 22.1 °C

Test Mode

97_WCDMA Band IV_RMC12.2K_Front Face_5mm_Ch1413_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 | XASB4HB3300008 | Phone |

Exposure Conditions

| Phantom Section | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | Band 4 | WCDMA, 10011 - CAB | 1732.600, 1413 | 8.68 | 1.39 | 41.8 |

Hardware Setup

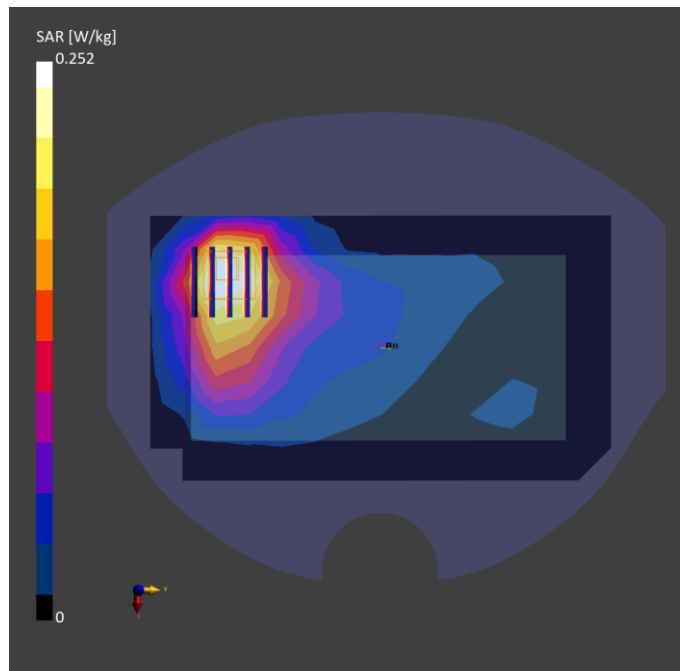
| Phantom | Tissue Simulating Liquid | Probe Calibration Date | DAE Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 2023-08-24 | DAE4 Sn1742 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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 | 0.355 |
| psSAR-10g [W/kg] | 0.142 | 0.154 |
| Power Drift [dB] | | -0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 66.3 |
| Dist 3dB Peak [mm] | | 14.8 |



Test Date : 2023-11-18 | Ambient Temp : 22.2 °C | Tissue Temp : 22.1 °C

Test Mode

98_WCDMA Band IV_RMC12.2K_Rear Face_5mm_Ch1413_Ant 2_w/o

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 | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat | Band 4 | WCDMA, 10011 - CAB | 1732.600, 1413 | 8.68 | 1.39 | 41.8 |

Hardware Setup

| Phantom | Tissue Simulating Liquid | Probe / Calibration Date | DAE / Calibration Date |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000 | EX3DV4 - SN7756 / 2023-08-24 | DAE4 Sn1742 / 2023-08-17 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 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] | 0.354 | 0.376 |
| psSAR-10g [W/kg] | 0.148 | 0.152 |
| Power Drift [dB] | | 0.01 |
| TSL Correction | Positive only | Positive only |
| M2 / M1 [%] | | 65.2 |
| Dist 3dB Peak [mm] | | 13.7 |

