

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

**Test Mode**

**99\_WCDMA Band IV\_RMC12.2K\_Rear Face\_5mm\_Ch1413\_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 4 | WCDMA, 10011 - CAB | 1732.600, 1413                  | 8.68              | 1.39                   | 41.8             |

**Hardware Setup**

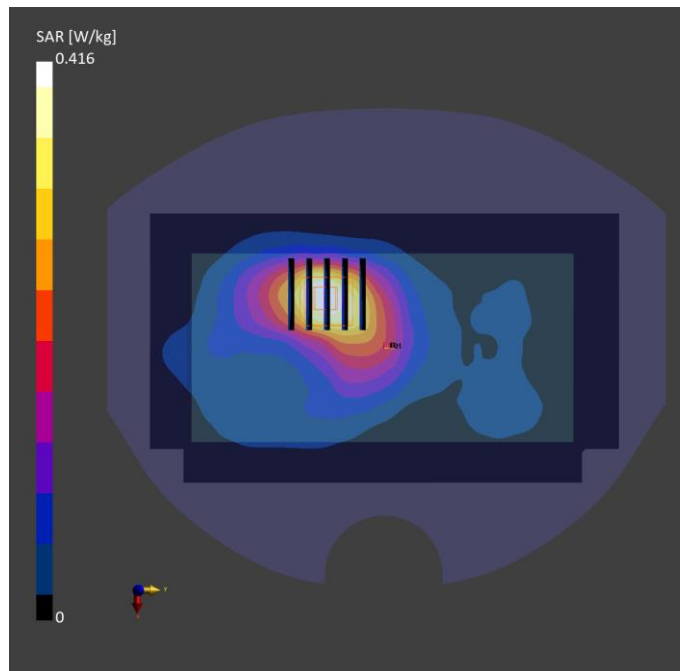
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.112         | <b>0.118</b>  |
| psSAR-10g [W/kg]   | 0.067         | <b>0.067</b>  |
| Power Drift [dB]   |               | -0.14         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.5          |
| Dist 3dB Peak [mm] |               | 14.4          |



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

**Test Mode**

**100\_WCDMA Band V\_RMC12.2K\_Rear Face\_5mm\_Ch4233\_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 5 | WCDMA, 10011 - CAB | 846.600, 4233                   | 9.67              | 0.971                  | 43.0             |

**Hardware Setup**

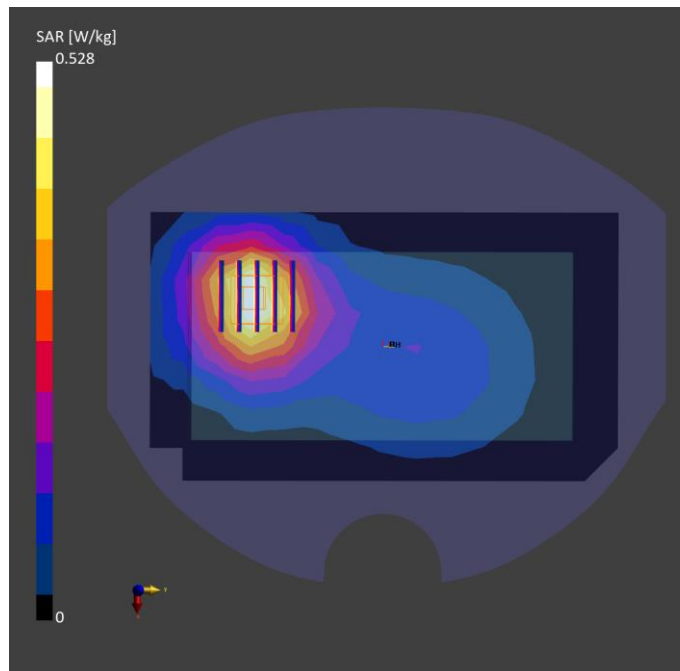
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.475         | <b>0.488</b>  |
| psSAR-10g [W/kg]   | 0.314         | <b>0.316</b>  |
| Power Drift [dB]   |               | -0.16         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.1          |
| Dist 3dB Peak [mm] |               | 19.6          |



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

**Test Mode**

**101\_WCDMA Band V\_RMC12.2K\_Front Face\_5mm\_Ch4182\_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 5 | WCDMA, 10011 - CAB | 836.400, 4182                   | 9.67              | 0.967                  | 43.1             |

**Hardware Setup**

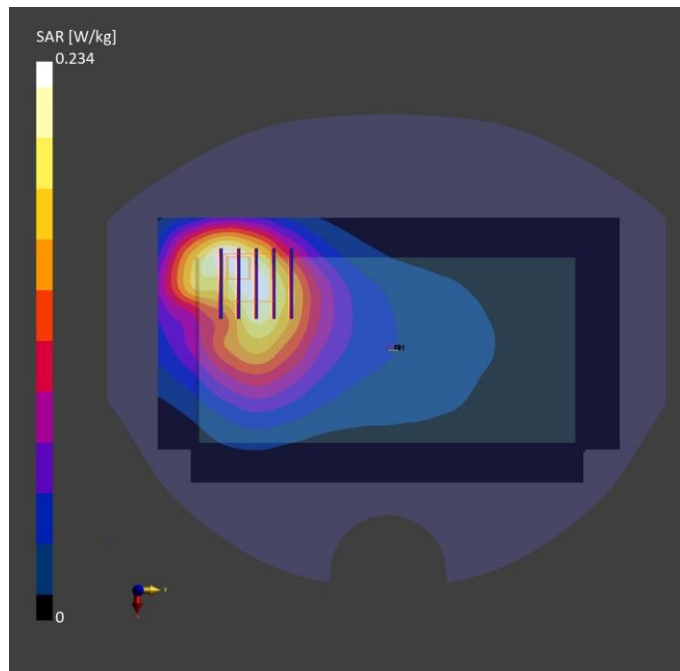
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.226         | <b>0.234</b>  |
| psSAR-10g [W/kg]   | 0.153         | <b>0.149</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.6          |
| Dist 3dB Peak [mm] |               | 14.4          |



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

**Test Mode**

**110\_LTE Band 5\_QPSK10M\_Front Face\_5mm\_Ch20600\_1RB\_Offset0\_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 5 | LTE-FDD, 10175 - CAH | 844.000, 20600                  | 9.67              | 0.969                  | 43.1             |

**Hardware Setup**

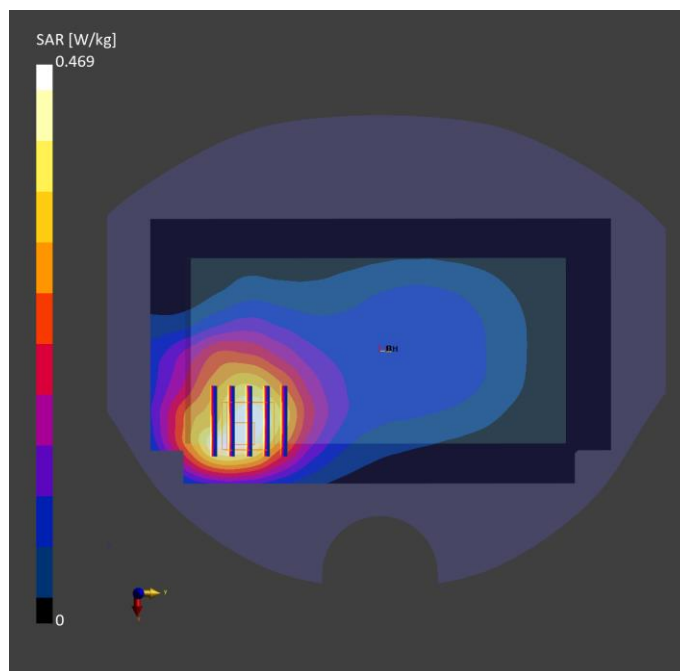
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.462         | <b>0.482</b>  |
| psSAR-10g [W/kg]   | 0.311         | <b>0.305</b>  |
| Power Drift [dB]   |               | -0.13         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.1          |
| Dist 3dB Peak [mm] |               | 17.4          |



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

**Test Mode**

**111\_LTE Band 5\_QPSK10M\_Front Face\_5mm\_Ch20450\_1RB\_Offset0\_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 5 | LTE-FDD, 10175 - CAH | 829.000, 20450                  | 9.67              | 0.964                  | 43.1             |

**Hardware Setup**

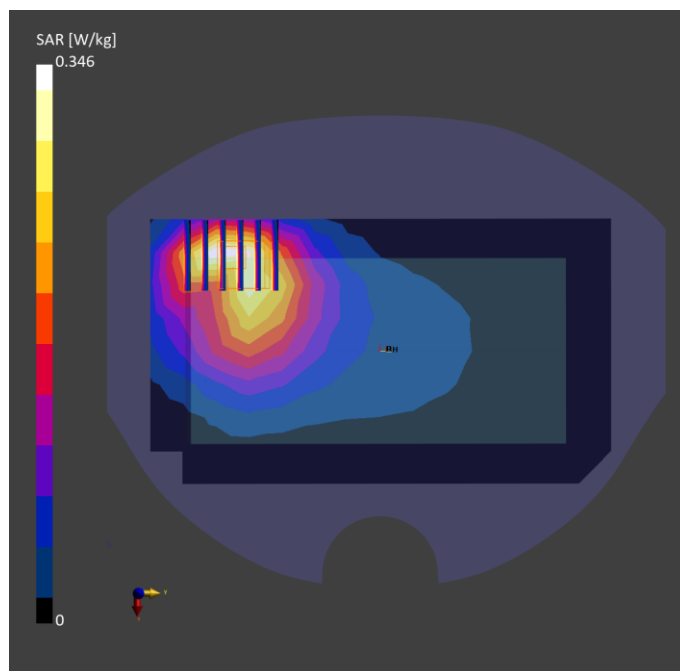
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.299         | <b>0.293</b>  |
| psSAR-10g [W/kg]   | 0.196         | <b>0.183</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.0          |
| Dist 3dB Peak [mm] |               | 13.7          |



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.3 °C

**Test Mode**

**112\_LTE Band 7\_QPSK20M\_Front Face\_5mm\_Ch21100\_1RB\_Offset0\_Ant 0\_w/**

**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 7 | LTE-FDD, 10169 - CAF | 2535.000, 21100                 | 7.36              | 1.93                   | 39.7             |

**Hardware Setup**

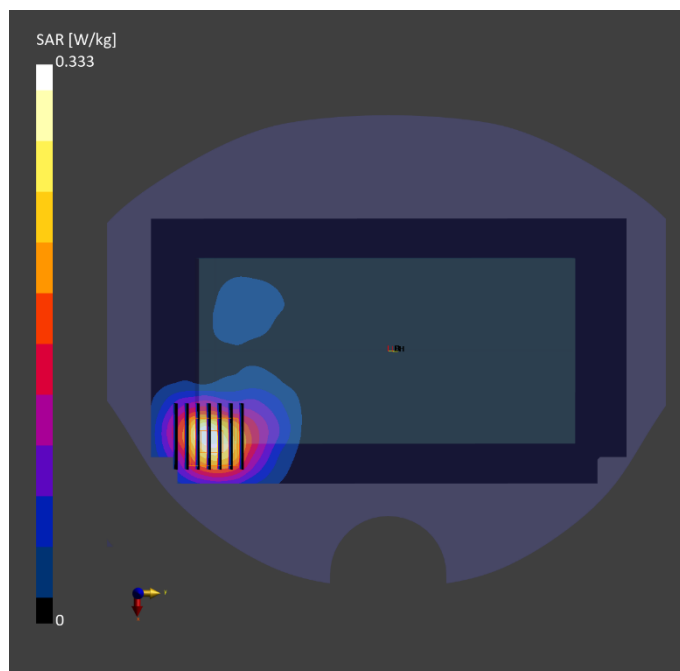
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.303         | <b>0.310</b>  |
| psSAR-10g [W/kg]   | 0.124         | <b>0.145</b>  |
| Power Drift [dB]   |               | -0.08         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.4          |
| Dist 3dB Peak [mm] |               | 10.8          |



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.3 °C

**Test Mode**

**113\_LTE Band 7\_QPSK20M\_Front Face\_5mm\_Ch21100\_1RB\_Offset0\_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 7 | LTE-FDD, 10169 - CAF | 2535.000, 21100                 | 7.36              | 1.93                   | 39.7             |

**Hardware Setup**

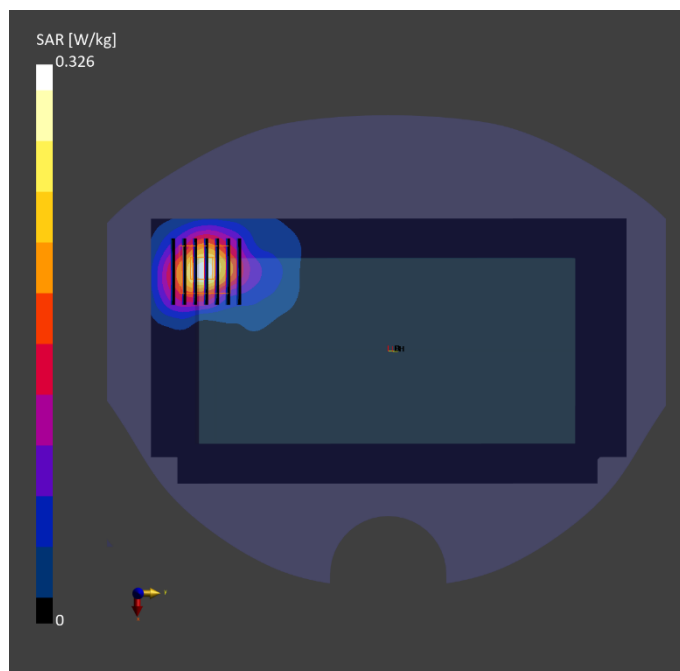
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.333         | <b>0.356</b>  |
| psSAR-10g [W/kg]   | 0.147         | <b>0.150</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 70.1          |
| Dist 3dB Peak [mm] |               | 11.5          |



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.3 °C

**Test Mode**

**114\_LTE Band 7\_QPSK20M\_Front Face\_5mm\_Ch20850\_1RB\_Offset0\_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 7 | LTE-FDD, 10169 - CAF | 2510.000, 20850                 | 7.36              | 1.91                   | 39.7             |

**Hardware Setup**

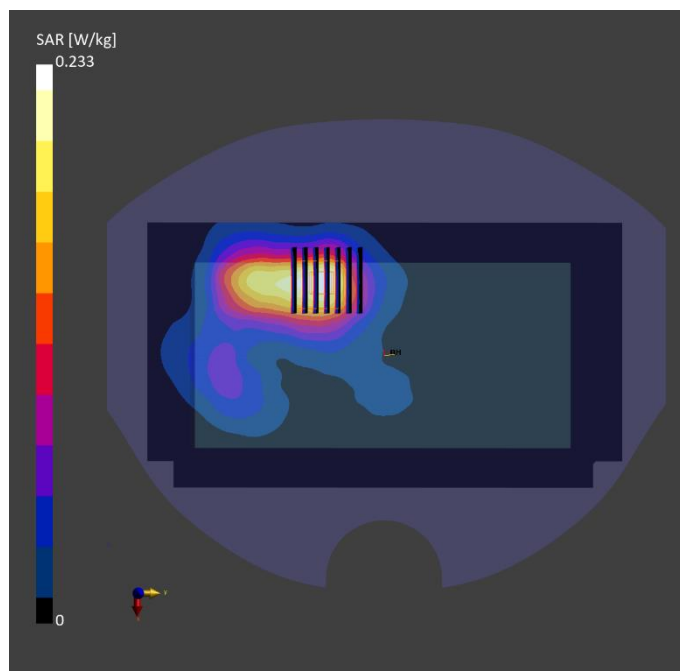
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.148         | <b>0.151</b>  |
| psSAR-10g [W/kg]   | 0.079         | <b>0.081</b>  |
| Power Drift [dB]   |               | -0.12         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 72.0          |
| Dist 3dB Peak [mm] |               | 11.8          |





Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.3 °C

**Test Mode**

**115\_LTE Band 7\_QPSK20M\_Rear Face\_5mm\_Ch21100\_1RB\_Offset0\_Ant 3\_w/**

**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 7 | LTE-FDD, 10169 - CAF | 2535.000, 21100                 | 7.36              | 1.93                   | 39.7             |

**Hardware Setup**

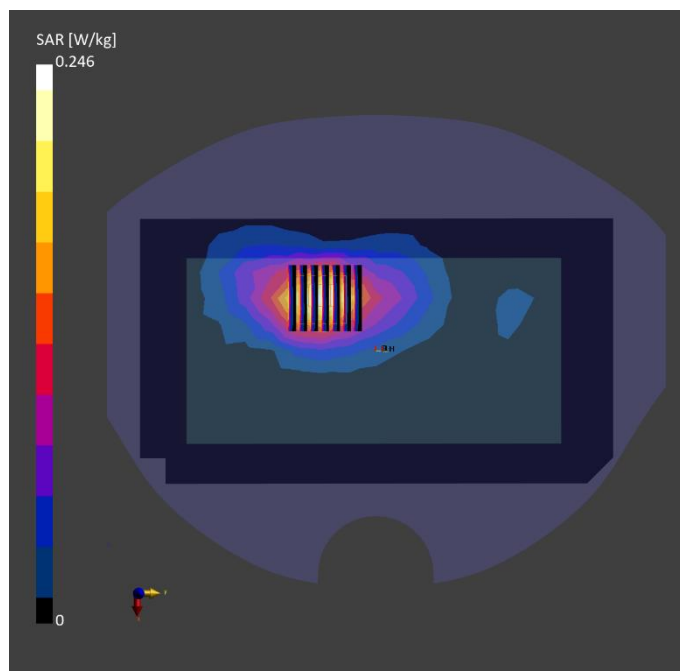
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.345         | <b>0.352</b>  |
| psSAR-10g [W/kg]   | 0.131         | <b>0.143</b>  |
| Power Drift [dB]   |               | -0.10         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 67.5          |
| Dist 3dB Peak [mm] |               | 11.8          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**116\_LTE Band 12\_QPSK10M\_Rear Face\_5mm\_Ch23095\_1RB\_Offset0\_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 12 | LTE-FDD, 10175 - CAH | 707.500, 23095                  | 9.81              | 0.897                  | 44.3             |

**Hardware Setup**

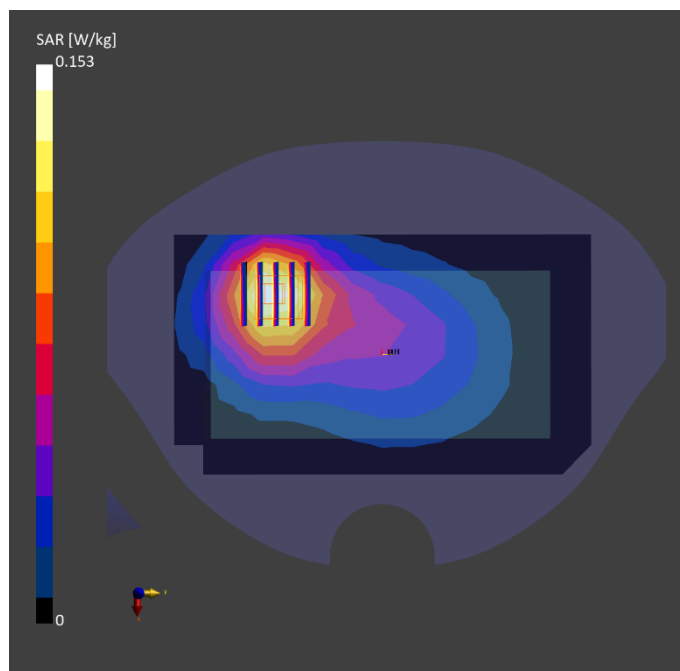
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.138         | <b>0.140</b>  |
| psSAR-10g [W/kg]   | 0.093         | <b>0.092</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 73.7          |
| Dist 3dB Peak [mm] |               | 20.4          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**117\_LTE Band 12\_QPSK10M\_Front Face\_5mm\_Ch23130\_1RB\_Offset0\_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 12 | LTE-FDD, 10175 - CAH | 711.000, 23130                  | 9.81              | 0.899                  | 44.3             |

**Hardware Setup**

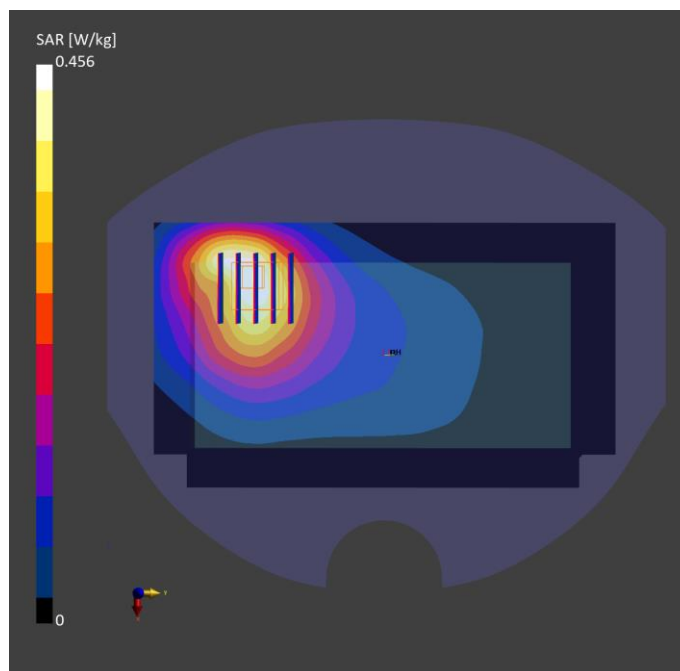
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.324         | <b>0.331</b>  |
| psSAR-10g [W/kg]   | 0.221         | <b>0.215</b>  |
| Power Drift [dB]   |               | 0.03          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.7          |
| Dist 3dB Peak [mm] |               | 20.1          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**118\_LTE Band 13\_QPSK10M\_Front Face\_5mm\_Ch23230\_1RB\_Offset0\_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 13 | LTE-FDD, 10175 - CAH | 782.000, 23230                  | 9.81              | 0.924                  | 44.1             |

**Hardware Setup**

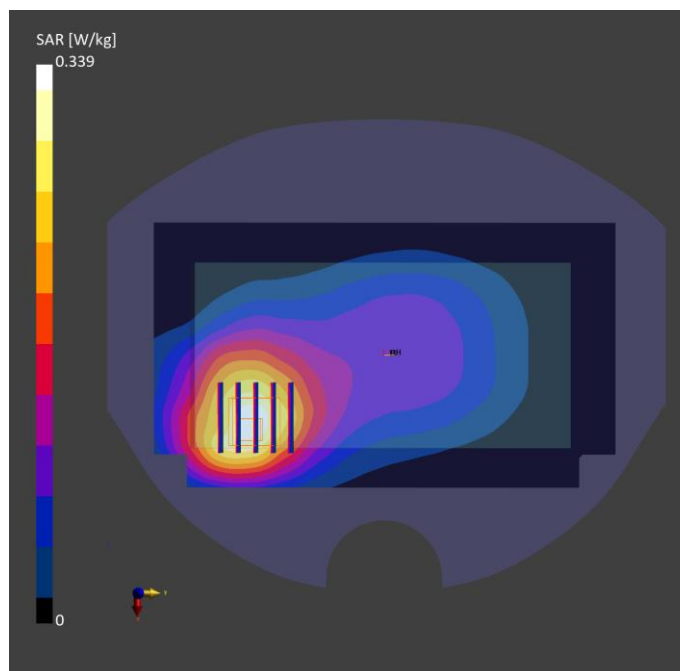
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.242         | <b>0.249</b>  |
| psSAR-10g [W/kg]   | 0.164         | <b>0.162</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 67.1          |
| Dist 3dB Peak [mm] |               | 20.1          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**119\_LTE Band 13\_QPSK10M\_Front Face\_5mm\_Ch23230\_1RB\_Offset0\_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 13 | LTE-FDD, 10175 - CAH | 782.000, 23230                  | 9.81              | 0.924                  | 44.1             |

**Hardware Setup**

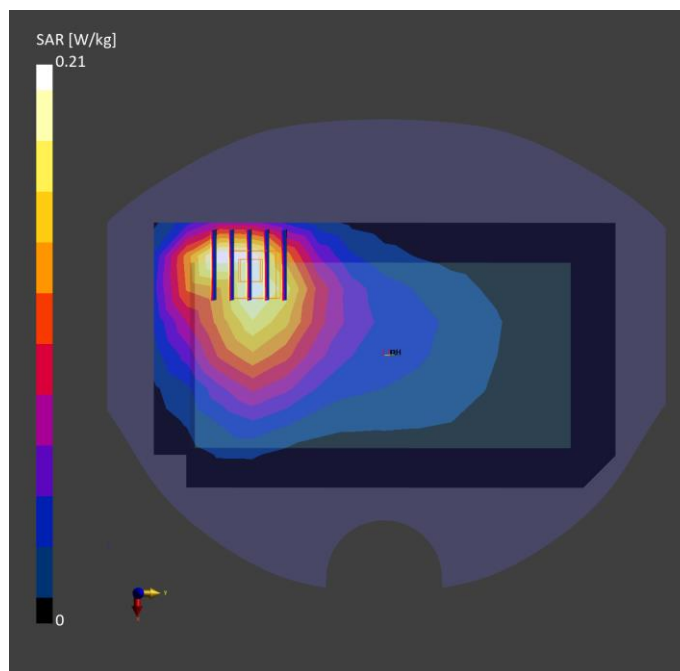
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.190         | <b>0.293</b>  |
| psSAR-10g [W/kg]   | 0.128         | <b>0.123</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.8          |
| Dist 3dB Peak [mm] |               | 16.4          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**120\_LTE Band 14\_QPSK10M\_Rear Face\_5mm\_Ch23330\_1RB\_Offset0\_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 14 | LTE-FDD, 10175 - CAH | 793.000, 23330                  | 9.81              | 0.928                  | 44.0             |

**Hardware Setup**

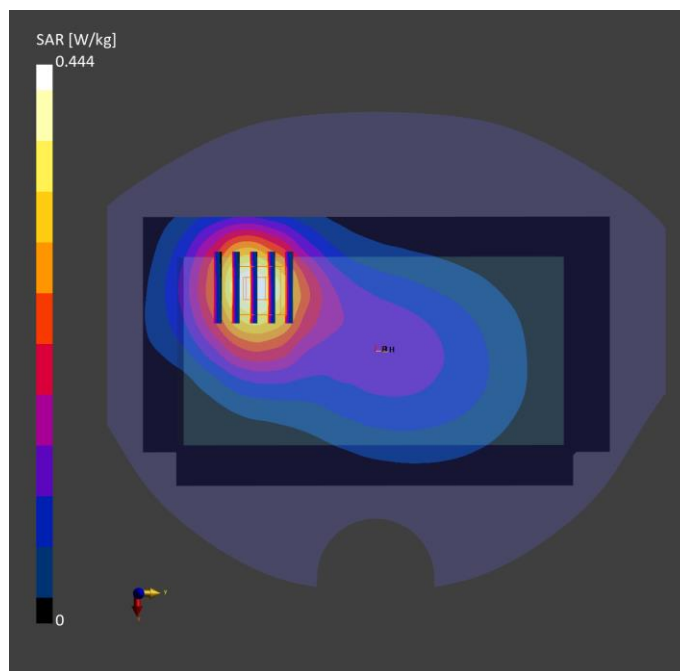
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.318         | <b>0.326</b>  |
| psSAR-10g [W/kg]   | 0.212         | <b>0.211</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 72.6          |
| Dist 3dB Peak [mm] |               | 20.4          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**121\_LTE Band 14\_QPSK10M\_Front Face\_5mm\_Ch23330\_1RB\_Offset0\_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 14 | LTE-FDD, 10175 - CAH | 793.000, 23330                  | 9.81              | 0.928                  | 44.0             |

**Hardware Setup**

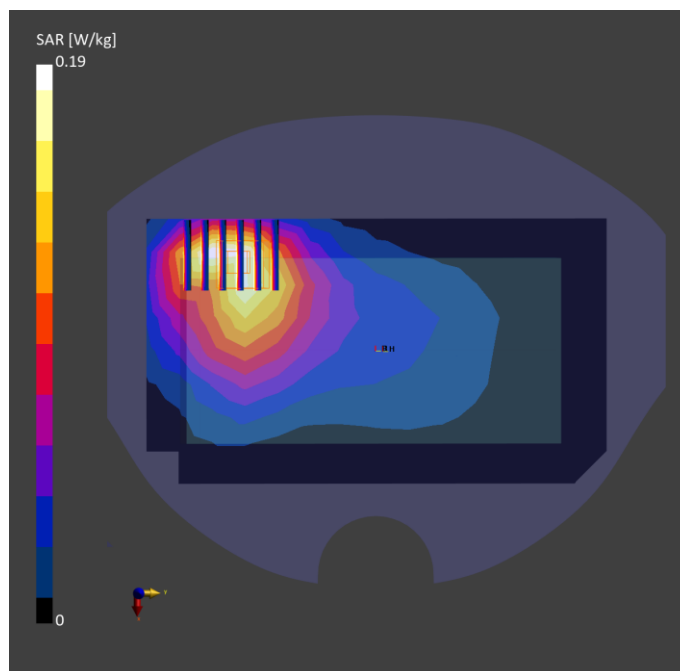
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.168         | <b>0.267</b>  |
| psSAR-10g [W/kg]   | 0.112         | <b>0.105</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.0          |
| Dist 3dB Peak [mm] |               | 13.7          |



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

**Test Mode**

**122\_LTE Band 25\_QPSK20M\_Front Face\_5mm\_Ch26140\_1RB\_Offset0\_Ant 0\_w/**

**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 25 | LTE-FDD, 10169 - CAF | 1860.000, 26140                 | 8.25              | 1.45                   | 41.2             |

**Hardware Setup**

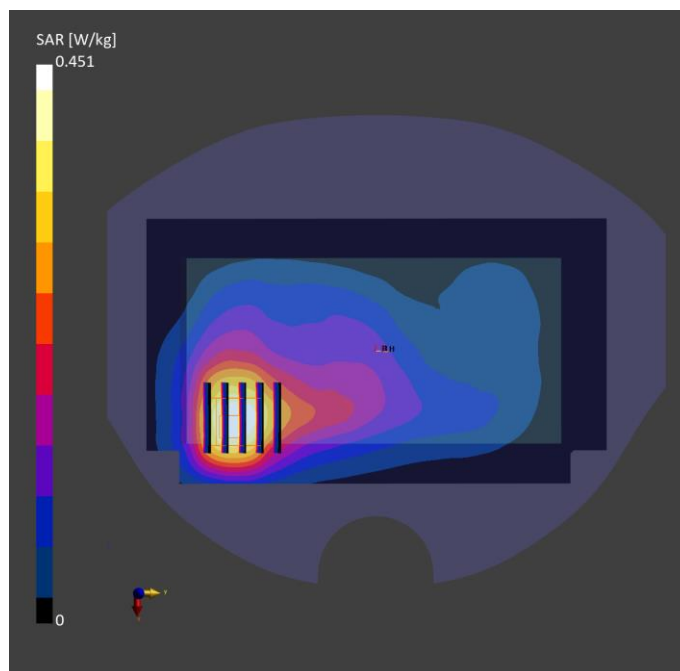
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.305         | <b>0.431</b>  |
| psSAR-10g [W/kg]   | 0.183         | <b>0.226</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.4          |
| Dist 3dB Peak [mm] |               | 17.1          |





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

**Test Mode**

**123\_LTE Band 25\_QPSK20M\_Front Face\_5mm\_Ch26140\_1RB\_Offset0\_Ant 1\_w/**

**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 25 | LTE-FDD, 10169 - CAF | 1860.000, 26140                 | 8.25              | 1.45                   | 41.2             |

**Hardware Setup**

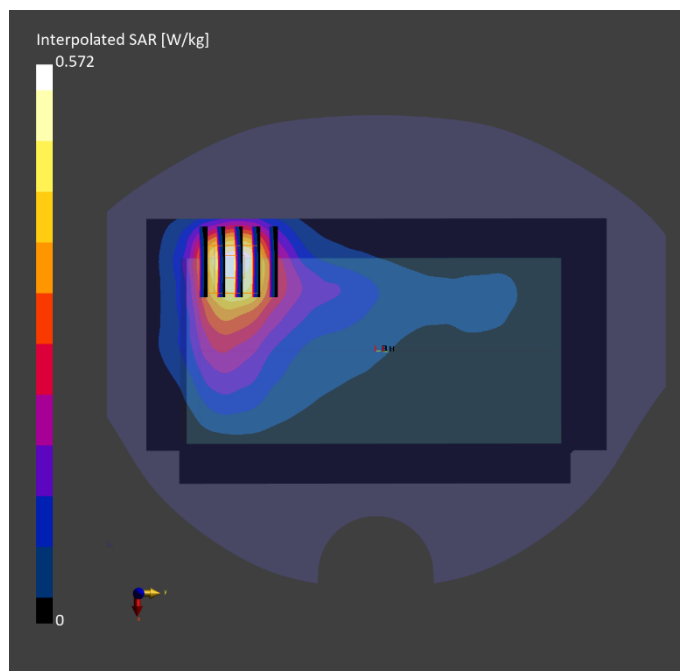
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.322         | <b>0.449</b>  |
| psSAR-10g [W/kg]   | 0.188         | <b>0.239</b>  |
| Power Drift [dB]   |               | -0.05         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.1          |
| Dist 3dB Peak [mm] |               | 14.5          |



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

**Test Mode**

**124\_LTE Band 25\_QPSK20M\_Rear Face\_5mm\_Ch26590\_1RB\_Offset0\_Ant 2\_w/**

**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 25 | LTE-FDD, 10169 - CAF | 1905.000, 26590                 | 8.25              | 1.47                   | 41.1             |

**Hardware Setup**

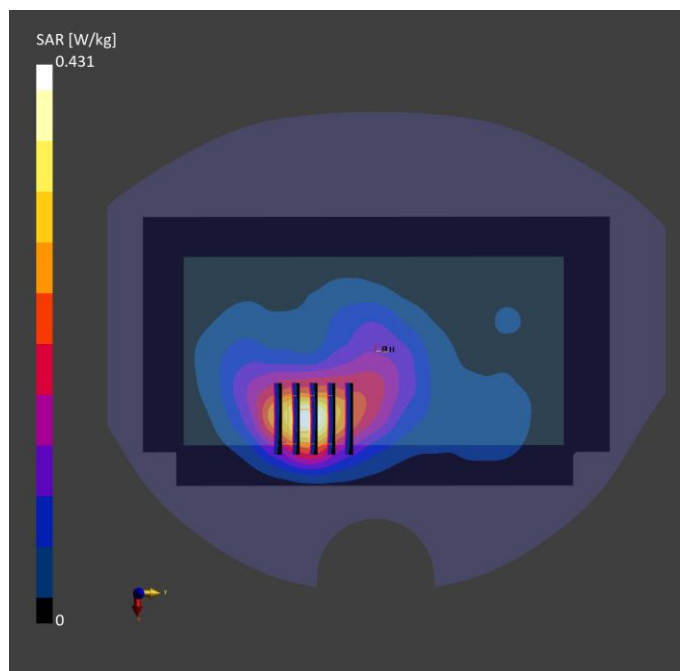
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.378         | <b>0.394</b>  |
| psSAR-10g [W/kg]   | 0.163         | <b>0.186</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 75.0          |
| Dist 3dB Peak [mm] |               | 14.4          |



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

**Test Mode**

**125\_LTE Band 25\_QPSK20M\_Rear Face\_5mm\_Ch26590\_1RB\_Offset0\_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 25 | LTE-FDD, 10169 - CAF | 1905.000, 26590                 | 8.25              | 1.47                   | 41.1             |

**Hardware Setup**

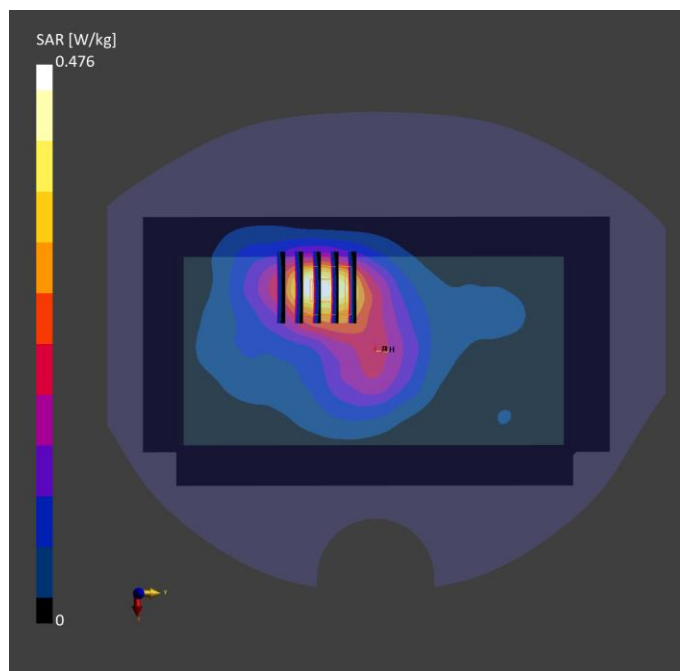
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.298         | <b>0.322</b>  |
| psSAR-10g [W/kg]   | 0.165         | <b>0.175</b>  |
| Power Drift [dB]   |               | -0.05         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.8          |
| Dist 3dB Peak [mm] |               | 12.8          |



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

**Test Mode**

**126\_LTE Band 26\_QPSK15M\_Rear Face\_5mm\_Ch26865\_1RB\_Offset0\_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 26 | LTE-FDD, 10181 - CAF | 831.500, 26865                  | 9.67              | 0.965                  | 43.1             |

**Hardware Setup**

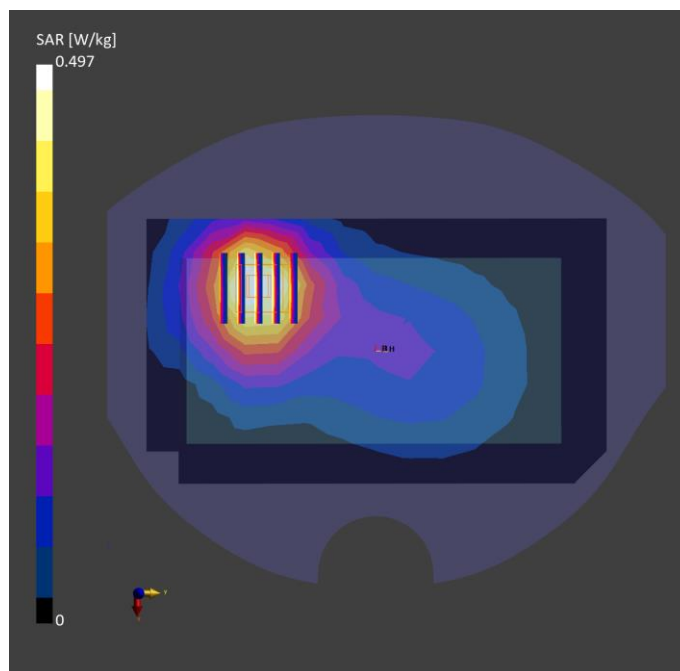
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.480         | <b>0.489</b>  |
| psSAR-10g [W/kg]   | 0.317         | <b>0.313</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.8          |
| Dist 3dB Peak [mm] |               | 20.4          |



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

**Test Mode**

**127\_LTE Band 26\_QPSK15M\_Front Face\_5mm\_Ch26765\_1RB\_Offset0\_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 26 | LTE-FDD, 10181 - CAF | 821.500, 26765                  | 9.67              | 0.960                  | 43.1             |

**Hardware Setup**

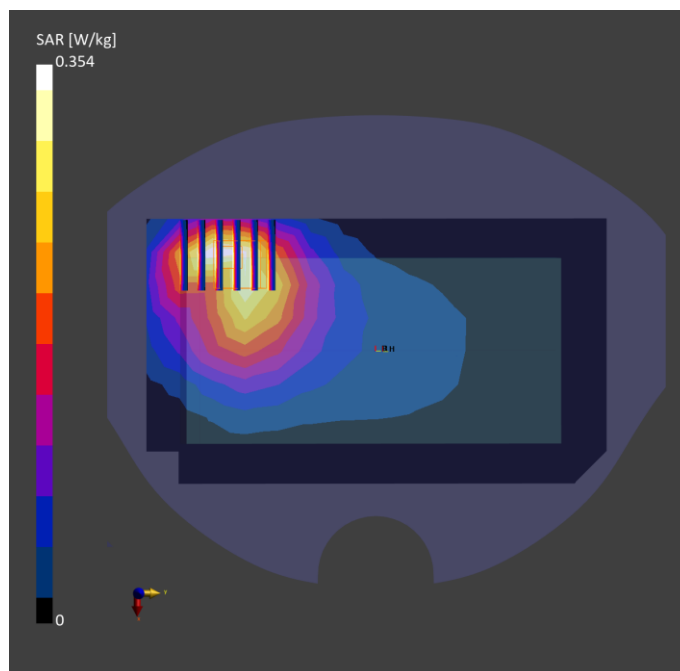
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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         | <b>0.302</b>  |
| psSAR-10g [W/kg]   | 0.203         | <b>0.189</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.8          |
| Dist 3dB Peak [mm] |               | 13.7          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**128\_LTE Band 30\_QPSK10M\_Rear Face\_5mm\_Ch27710\_1RB\_Offset0\_Ant 0\_w/**

**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 30 | LTE-FDD, 10175 - CAH | 2310.000, 27710                 | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

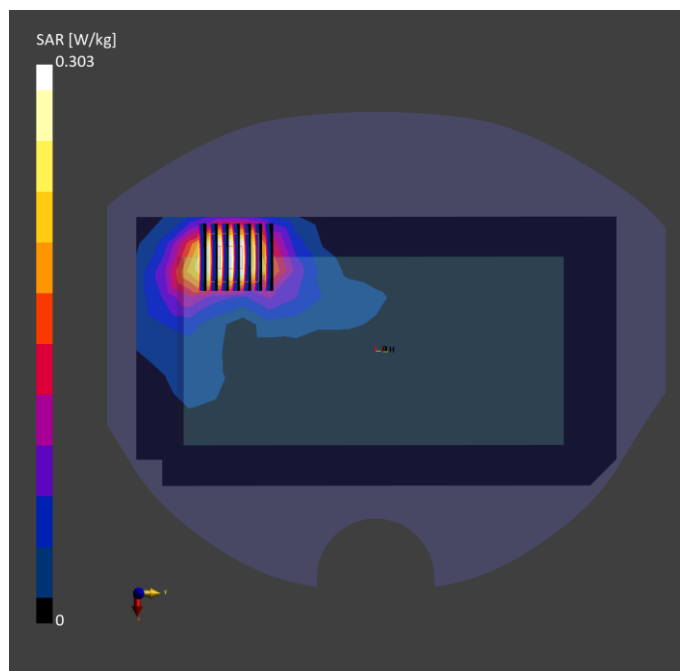
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.280         | <b>0.406</b>  |
| psSAR-10g [W/kg]   | 0.150         | <b>0.189</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 71.8          |
| Dist 3dB Peak [mm] |               | 11.0          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**129\_LTE Band 30\_QPSK10M\_Rear Face\_5mm\_Ch27710\_1RB\_Offset0\_Ant 1\_w/**

**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 30 | LTE-FDD, 10175 - CAH | 2310.000, 27710                 | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

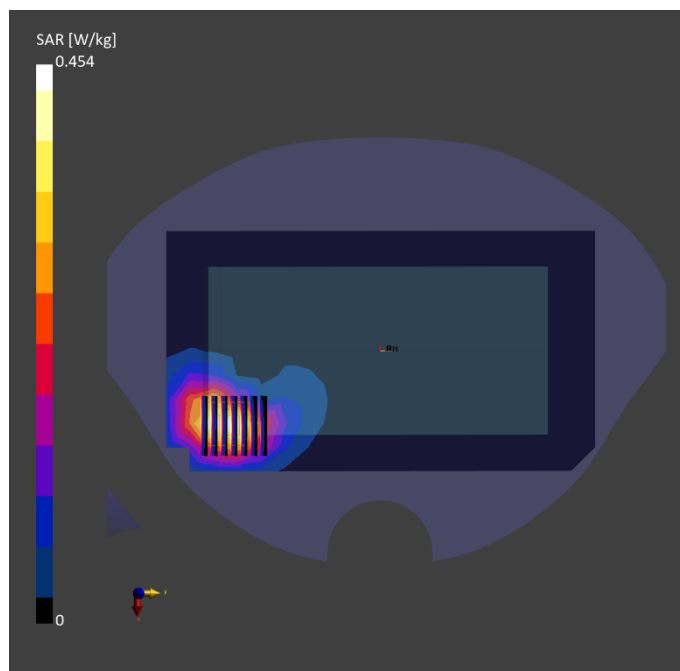
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.381         | <b>0.493</b>  |
| psSAR-10g [W/kg]   | 0.200         | <b>0.237</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.3          |
| Dist 3dB Peak [mm] |               | 12.0          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**130\_LTE Band 30\_QPSK10M\_Rear Face\_5mm\_Ch27710\_1RB\_Offset0\_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 30 | LTE-FDD, 10175 - CAH | 2310.000, 27710                 | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

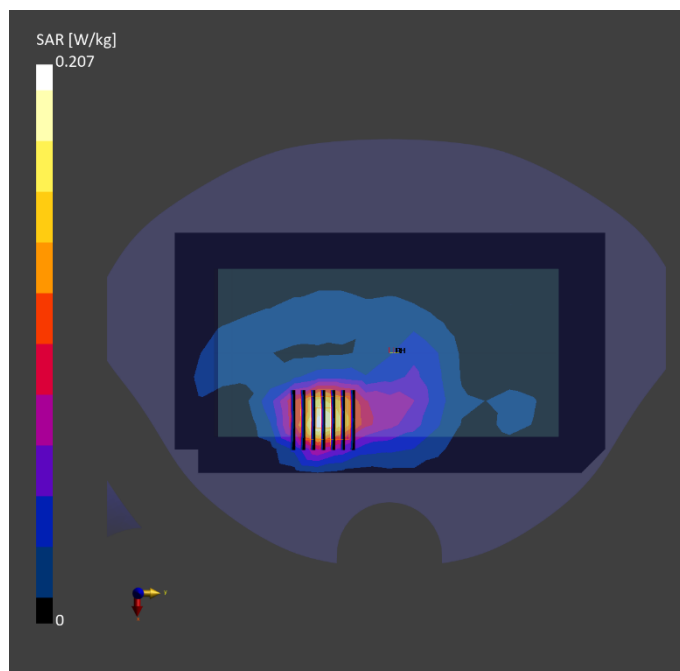
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.169         | <b>0.180</b>  |
| psSAR-10g [W/kg]   | 0.087         | <b>0.089</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.5          |
| Dist 3dB Peak [mm] |               | 12.1          |





Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**131\_LTE Band 30\_QPSK10M\_Rear Face\_5mm\_Ch27710\_1RB\_Offset0\_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 30 | LTE-FDD, 10175 - CAH | 2310.000, 27710                 | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

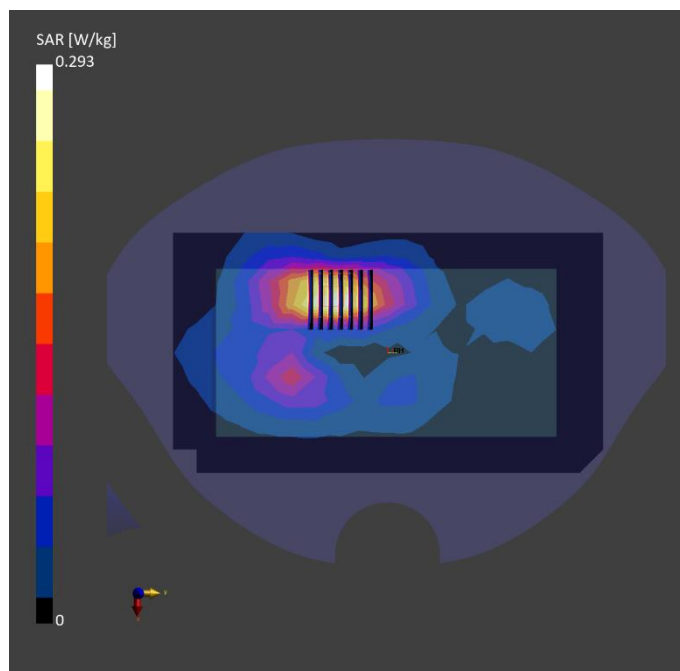
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.243         | <b>0.357</b>  |
| psSAR-10g [W/kg]   | 0.127         | <b>0.156</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 71.0          |
| Dist 3dB Peak [mm] |               | 11.5          |



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.3 °C

**Test Mode**

**132\_LTE Band 38\_QPSK20M\_Rear Face\_5mm\_Ch38000\_1RB\_Offset0\_Ant 0\_w/**

**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 38 | LTE-TDD, 10172 - CAH | 2595.000, 38000                 | 7.36              | 1.97                   | 39.5             |

**Hardware Setup**

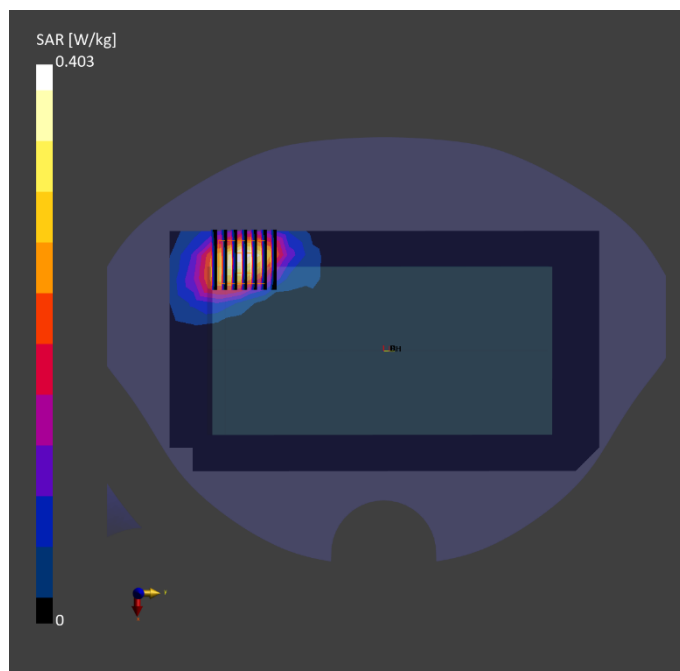
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.323         | <b>0.386</b>  |
| psSAR-10g [W/kg]   | 0.163         | <b>0.188</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 71.1          |
| Dist 3dB Peak [mm] |               | 10.8          |



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.3 °C

**Test Mode**

**133\_LTE Band 38\_QPSK20M\_Rear Face\_5mm\_Ch38150\_1RB\_Offset0\_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 38 | LTE-TDD, 10172 - CAH | 2610.000, 38150                 | 7.36              | 1.98                   | 39.5             |

**Hardware Setup**

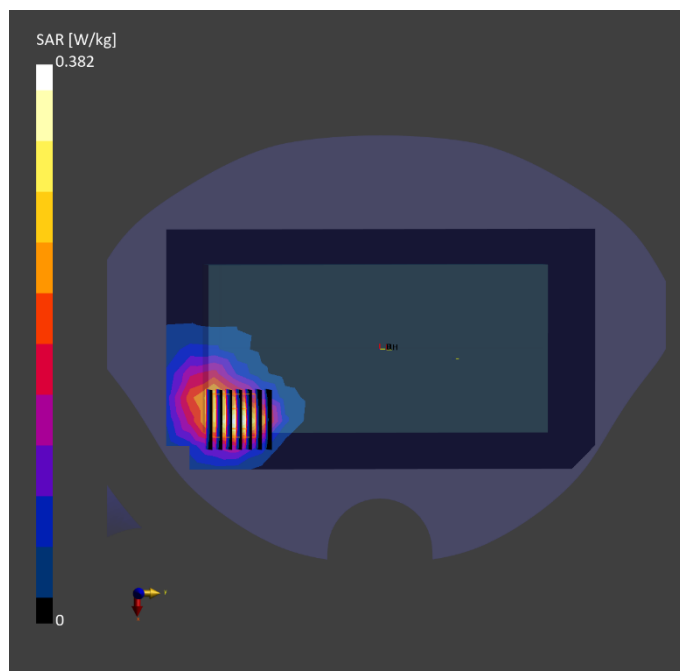
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 216.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 12.0 x 12.0   | 5.0 x 5.0 x 5.0    |
| Sensor Surface [mm] | 3.0           | 1.4                |
| Graded Grid         | N/A           | Yes                |
| Grading Ratio       | N/A           | 1.4                |

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.393         | <b>0.398</b>  |
| psSAR-10g [W/kg]   | 0.167         | <b>0.179</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.5          |
| Dist 3dB Peak [mm] |               | 10.2          |



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.3 °C

**Test Mode**

**134\_LTE Band 38\_QPSK20M\_Front Face\_5mm\_Ch37850\_1RB\_Offset0\_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 38 | LTE-TDD, 10172 - CAH | 2580.000, 37850                 | 7.36              | 1.96                   | 39.6             |

**Hardware Setup**

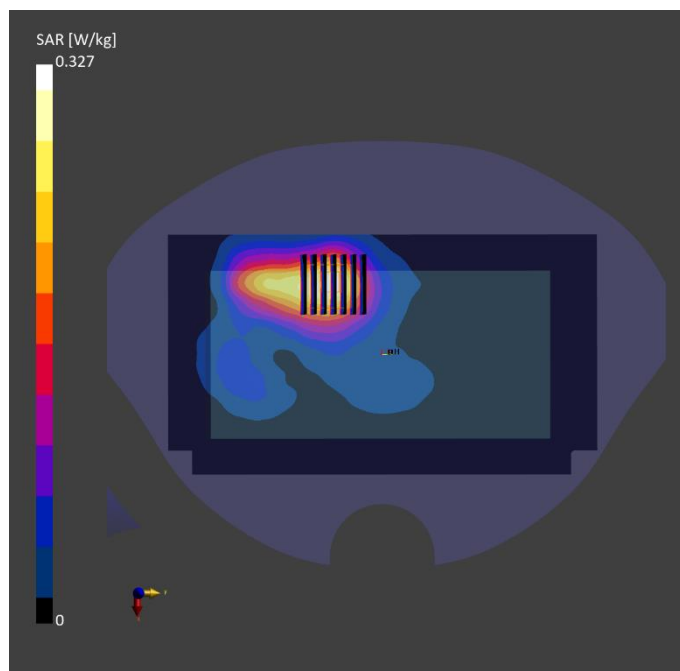
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.210         | <b>0.213</b>  |
| psSAR-10g [W/kg]   | 0.112         | <b>0.115</b>  |
| Power Drift [dB]   |               | -0.14         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.3          |
| Dist 3dB Peak [mm] |               | 12.4          |



Test Date : 2023-11-21 | Ambient Temp : 22.5 °C | Tissue Temp : 22.3 °C

**Test Mode**

**135\_LTE Band 38\_QPSK20M\_Rear Face\_5mm\_Ch38000\_1RB\_Offset0\_Ant 3\_w/**

**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 38 | LTE-TDD, 10172 - CAH | 2595.000, 38000                 | 7.36              | 1.97                   | 39.5             |

**Hardware Setup**

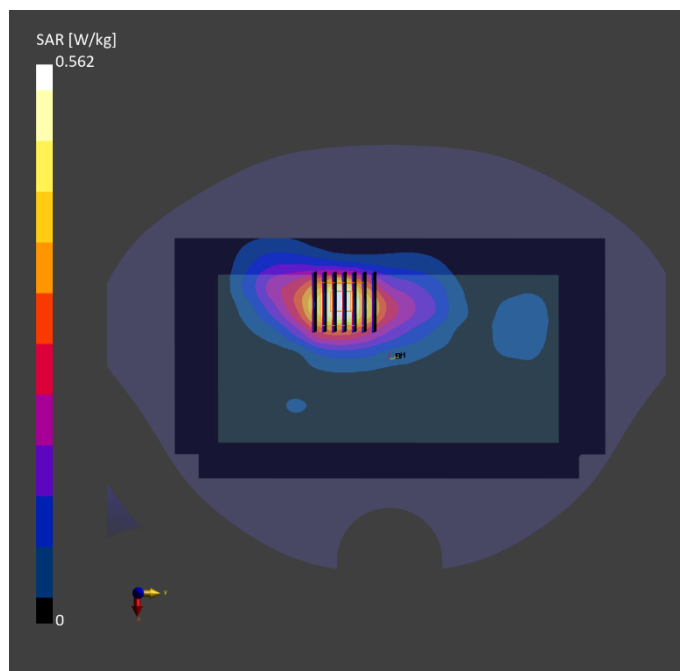
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.431         | <b>0.443</b>  |
| psSAR-10g [W/kg]   | 0.173         | <b>0.189</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.3          |
| Dist 3dB Peak [mm] |               | 11.0          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**136\_LTE Band 40\_QPSK20M\_Rear Face\_5mm\_Ch38750\_1RB\_Offset0\_Ant 0\_w/**

**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 40 | LTE-TDD, 10172 - CAH | 2310.000, 38750                 | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

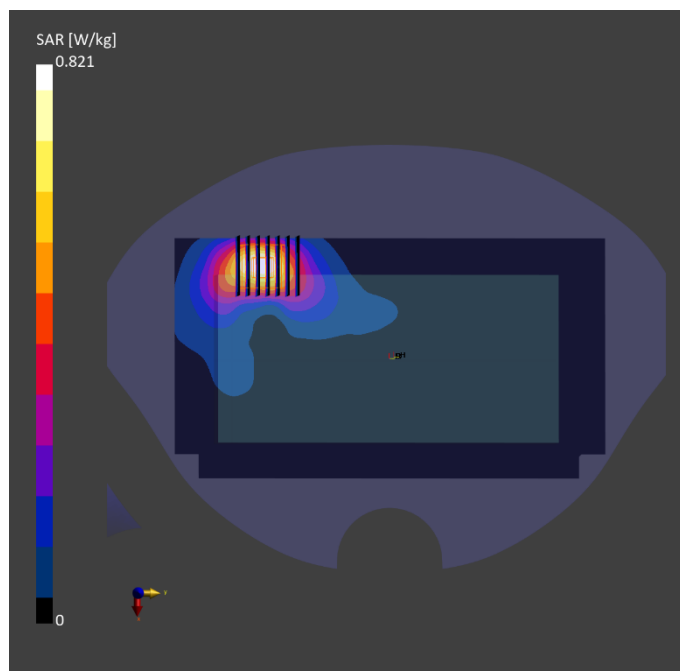
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.457         | <b>0.521</b>  |
| psSAR-10g [W/kg]   | 0.205         | <b>0.214</b>  |
| Power Drift [dB]   |               | 0.02          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 71.6          |
| Dist 3dB Peak [mm] |               | 10.2          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**137\_LTE Band 40\_QPSK20M\_Rear Face\_5mm\_Ch38750\_1RB\_Offset0\_Ant 1\_w/**

**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 40 | LTE-TDD, 10172 - CAH | 2310.000, 38750                 | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

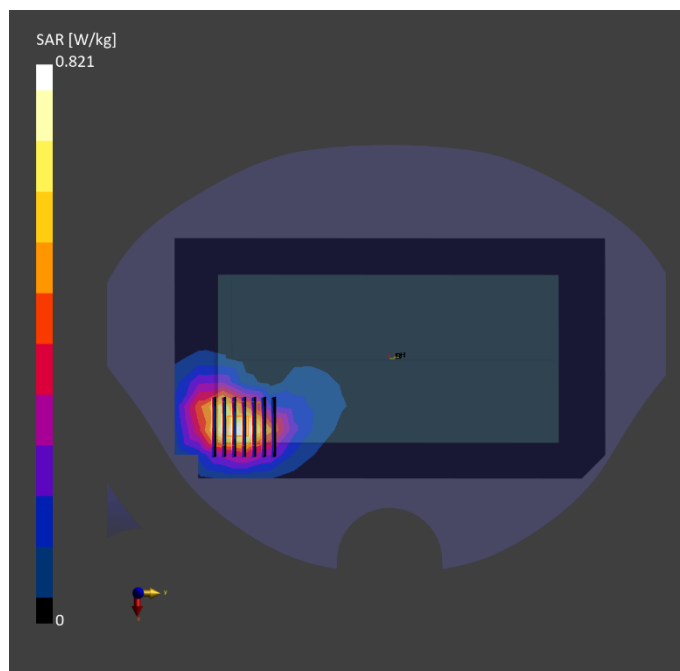
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.488         | <b>0.494</b>  |
| psSAR-10g [W/kg]   | 0.158         | <b>0.168</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.8          |
| Dist 3dB Peak [mm] |               | 11.7          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**138\_LTE Band 40\_QPSK20M\_Front Face\_5mm\_Ch38750\_1RB\_Offset0\_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 40 | LTE-TDD, 10172 - CAH | 2310.000, 38750                 | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

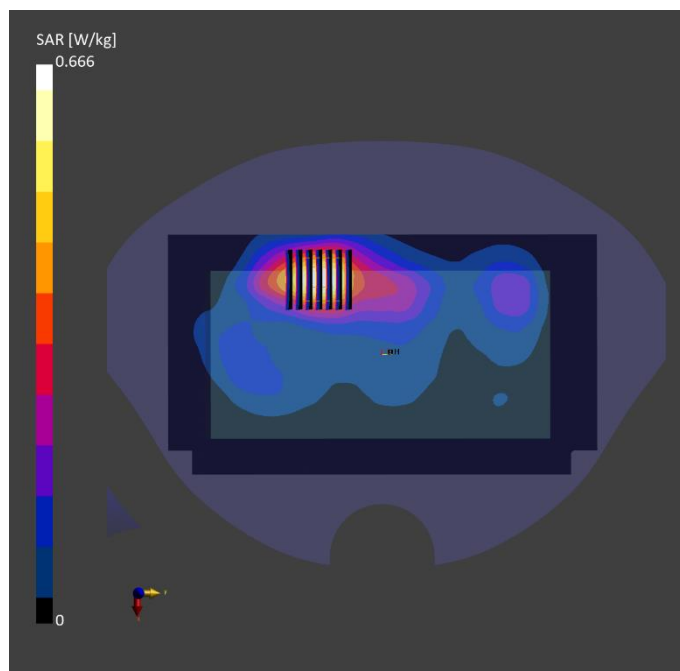
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.408         | <b>0.435</b>  |
| psSAR-10g [W/kg]   | 0.218         | <b>0.226</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 72.3          |
| Dist 3dB Peak [mm] |               | 11.8          |





Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**139\_LTE Band 40\_QPSK20M\_Front Face\_5mm\_Ch38750\_1RB\_Offset0\_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 40 | LTE-TDD, 10172 - CAH | 2310.000, 38750                 | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

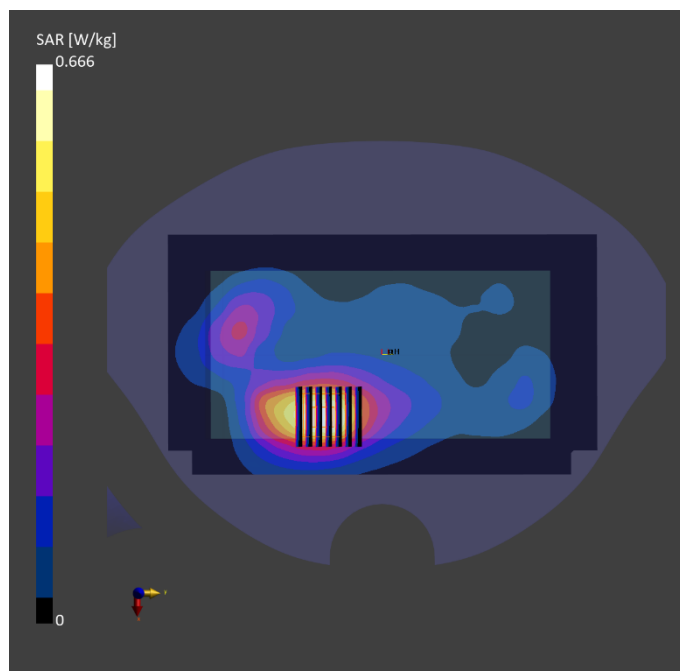
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.365         | <b>0.386</b>  |
| psSAR-10g [W/kg]   | 0.203         | <b>0.210</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 72.1          |
| Dist 3dB Peak [mm] |               | 13.7          |



Test Date : 2023-11-22 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

**Test Mode**

**140\_LTE Band 41\_QPSK20M\_Rear Face\_5mm\_Ch40620\_1RB\_Offset0\_Ant 0\_w/**

**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 41 | LTE-TDD, 10172 - CAH | 2593.000, 40620                 | 7.36              | 1.99                   | 40.5             |

**Hardware Setup**

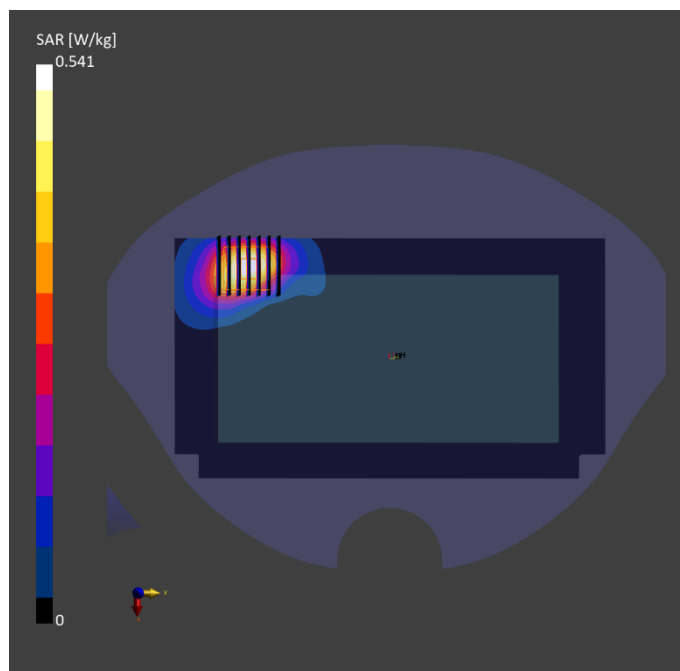
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.435         | <b>0.461</b>  |
| psSAR-10g [W/kg]   | 0.190         | <b>0.221</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 70.7          |
| Dist 3dB Peak [mm] |               | 11.0          |



Test Date : 2023-11-22 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

**Test Mode**

**141\_LTE Band 41\_QPSK20M\_Rear Face\_5mm\_Ch40620\_1RB\_Offset0\_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 41 | LTE-TDD, 10172 - CAH | 2593.000, 40620                 | 7.36              | 1.99                   | 40.5             |

**Hardware Setup**

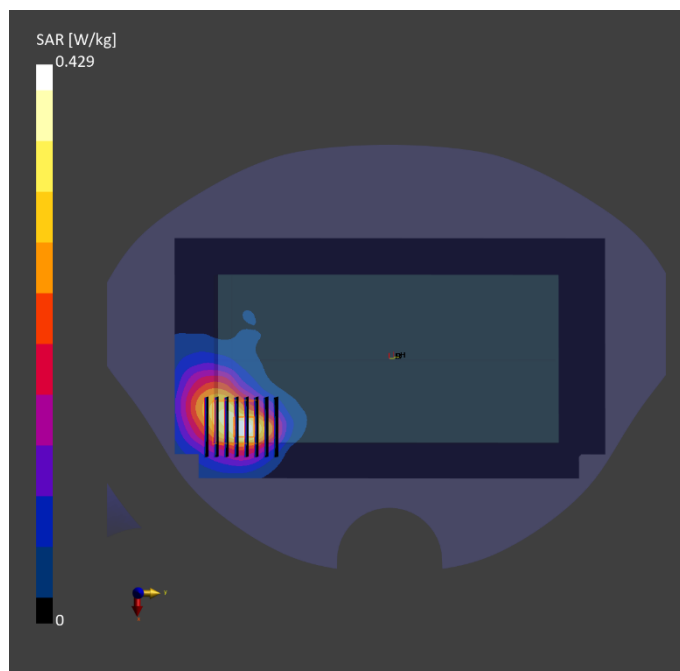
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.317         | <b>0.374</b>  |
| psSAR-10g [W/kg]   | 0.143         | <b>0.144</b>  |
| Power Drift [dB]   |               | -0.09         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.9          |
| Dist 3dB Peak [mm] |               | 9.9           |



Test Date : 2023-11-22 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

**Test Mode**

**142\_LTE Band 41\_QPSK20M\_Front Face\_5mm\_Ch40620\_1RB\_Offset0\_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 41 | LTE-TDD, 10172 - CAH | 2593.000, 40620                 | 7.36              | 1.99                   | 40.5             |

**Hardware Setup**

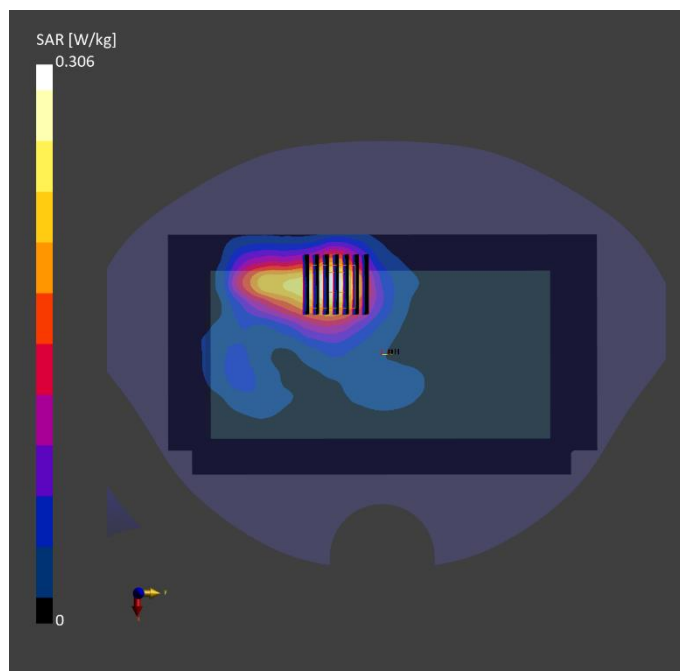
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.189         | <b>0.193</b>  |
| psSAR-10g [W/kg]   | 0.099         | <b>0.102</b>  |
| Power Drift [dB]   |               | -0.07         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.4          |
| Dist 3dB Peak [mm] |               | 10.8          |



Test Date : 2023-11-22 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

**Test Mode**

**143\_LTE Band 41\_QPSK20M\_Rear Face\_5mm\_Ch40185\_1RB\_Offset0\_Ant 3\_w/**

**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 41 | LTE-TDD, 10172 - CAH | 2549.500, 40185                 | 7.36              | 1.95                   | 40.6             |

**Hardware Setup**

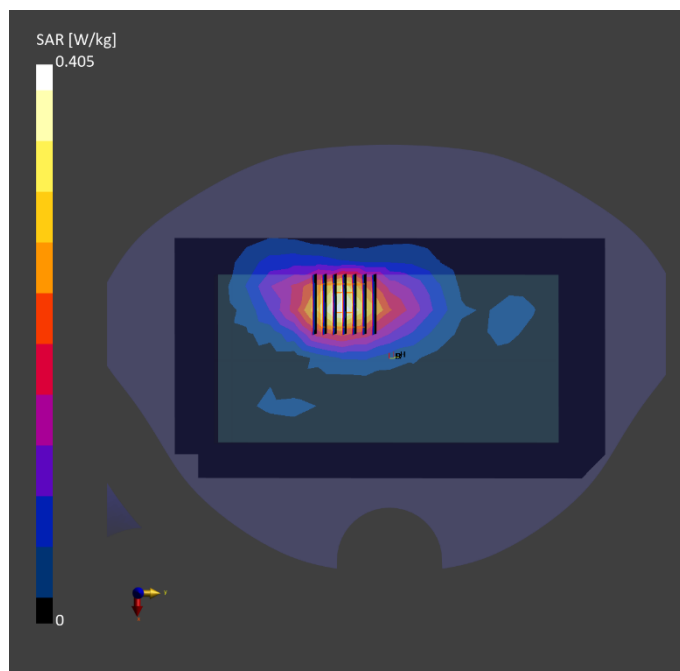
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.329         | <b>0.446</b>  |
| psSAR-10g [W/kg]   | 0.173         | <b>0.218</b>  |
| Power Drift [dB]   |               | -0.07         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 77.3          |
| Dist 3dB Peak [mm] |               | 12.0          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**144\_LTE Band 42\_QPSK20M\_Rear Face\_5mm\_Ch42190\_1RB\_Offset0\_Ant 4\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 42 | LTE-TDD, 10172 - CAH | 3460.000, 42190                 | 6.87              | 2.68                   | 38.9             |

**Hardware Setup**

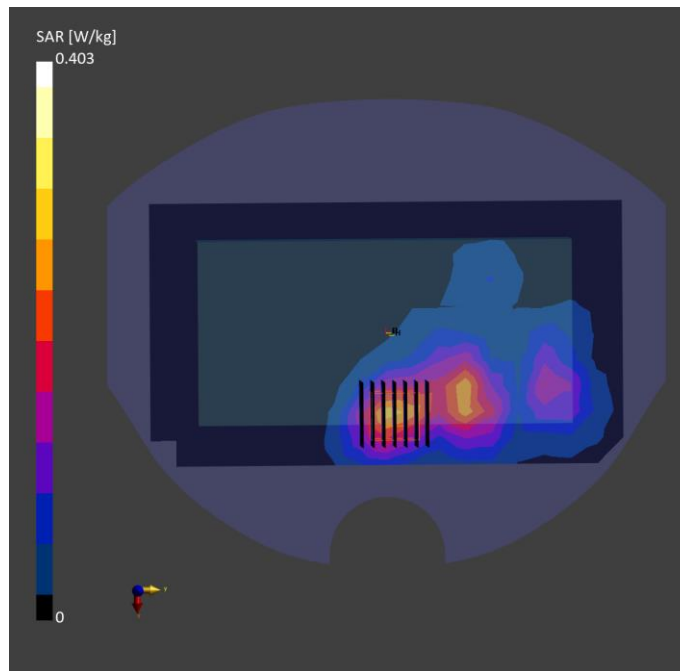
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.229         | <b>0.241</b>  |
| psSAR-10g [W/kg]   | 0.105         | <b>0.110</b>  |
| Power Drift [dB]   |               | -0.07         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 63.6          |
| Dist 3dB Peak [mm] |               | 13.5          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**145\_LTE Band 42\_QPSK20M\_Rear Face\_5mm\_Ch43490\_1RB\_Offset0\_Ant 5\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 42 | LTE-TDD, 10172 - CAH | 3590.000, 43490                 | 6.87              | 2.80                   | 38.7             |

**Hardware Setup**

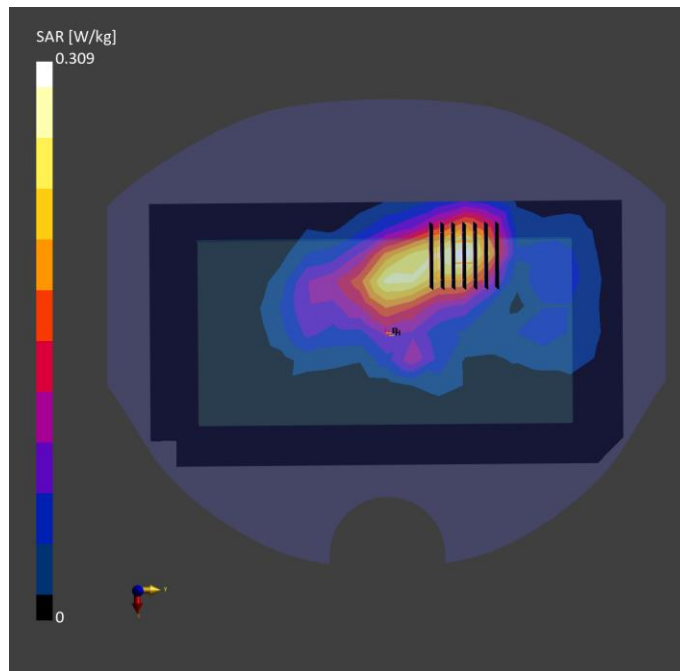
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.241         | <b>0.244</b>  |
| psSAR-10g [W/kg]   | 0.115         | <b>0.113</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 58.8          |
| Dist 3dB Peak [mm] |               | 13.0          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**146\_LTE Band 42\_QPSK20M\_Rear Face\_5mm\_Ch43490\_1RB\_Offset0\_Ant 6\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 42 | LTE-TDD, 10172 - CAH | 3590.000, 43490                 | 6.87              | 2.80                   | 38.7             |

**Hardware Setup**

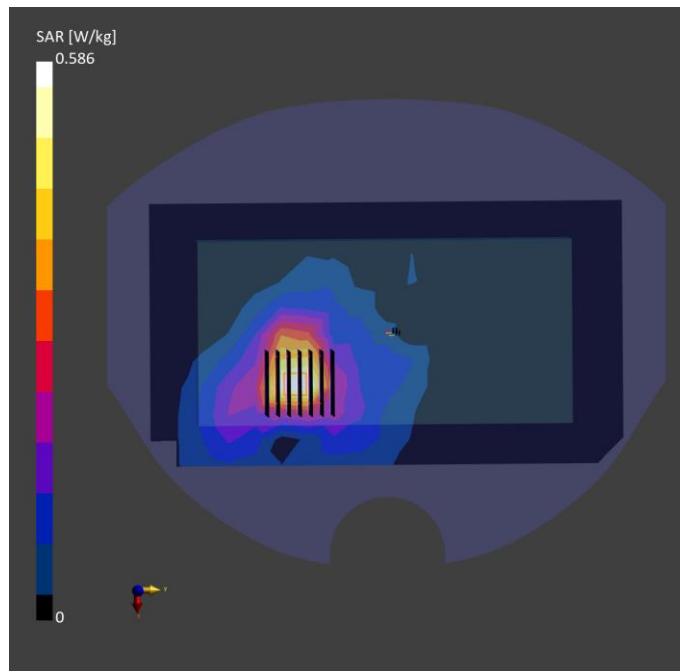
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.471         | <b>0.479</b>  |
| psSAR-10g [W/kg]   | 0.193         | <b>0.193</b>  |
| Power Drift [dB]   |               | 0.02          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 60.5          |
| Dist 3dB Peak [mm] |               | 10.2          |





Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**147\_LTE Band 42\_QPSK20M\_Rear Face\_5mm\_Ch43490\_1RB\_Offset0\_Ant 7\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 42 | LTE-TDD, 10172 - CAH | 3590.000, 43490                 | 6.87              | 2.80                   | 38.7             |

**Hardware Setup**

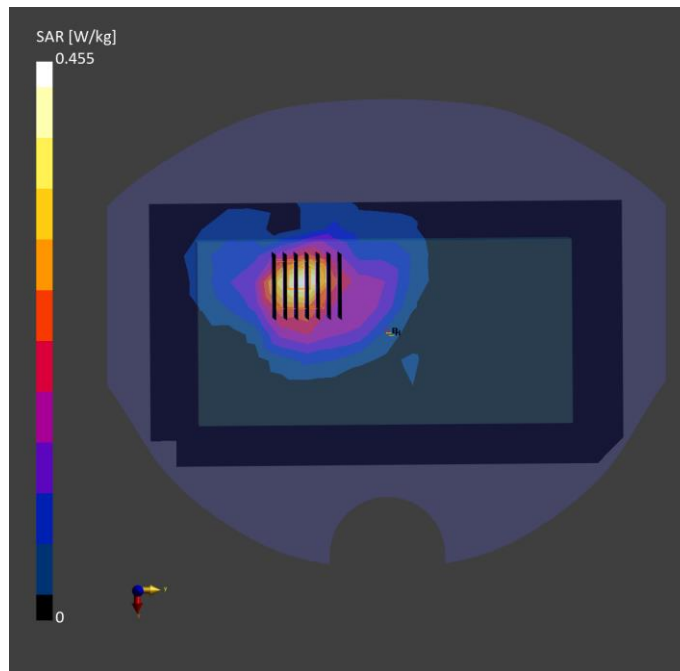
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.347         | <b>0.370</b>  |
| psSAR-10g [W/kg]   | 0.153         | <b>0.156</b>  |
| Power Drift [dB]   |               | 0.04          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 61.7          |
| Dist 3dB Peak [mm] |               | 9.3           |



Test Date : 2023-11-15 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

**Test Mode**

**148\_LTE Band 43\_QPSK20M\_Rear Face\_5mm\_Ch44340\_1RB\_Offset0\_Ant 4\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 43 | LTE-TDD, 10172 - CAH | 3675.000, 44340                 | 6.8               | 2.82                   | 38.7             |

**Hardware Setup**

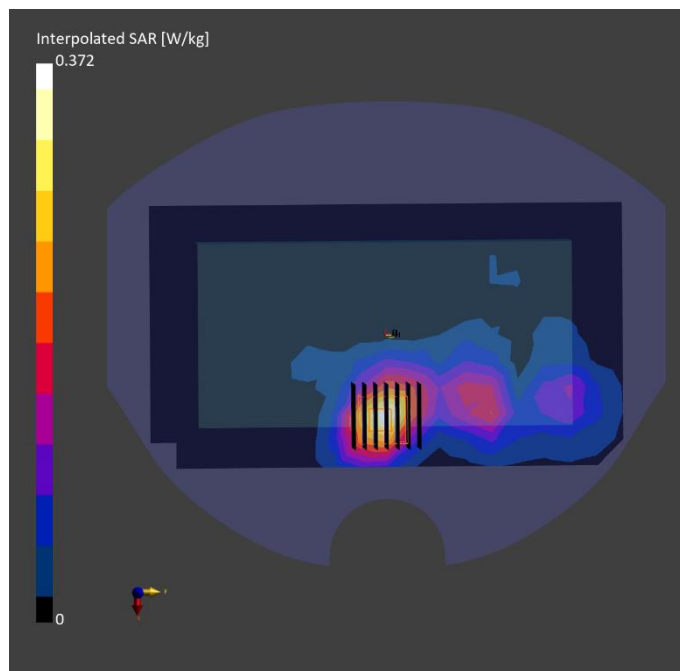
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.150         | <b>0.160</b>  |
| psSAR-10g [W/kg]   | 0.066         | <b>0.068</b>  |
| Power Drift [dB]   |               | -0.05         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 61.6          |
| Dist 3dB Peak [mm] |               | 12.3          |



Test Date : 2023-11-15 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

**Test Mode**

**149\_LTE Band 43\_QPSK20M\_Rear Face\_5mm\_Ch44490\_1RB\_Offset0\_Ant 5\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 43 | LTE-TDD, 10172 - CAH | 3690.000, 44490                 | 6.8               | 2.83                   | 38.6             |

**Hardware Setup**

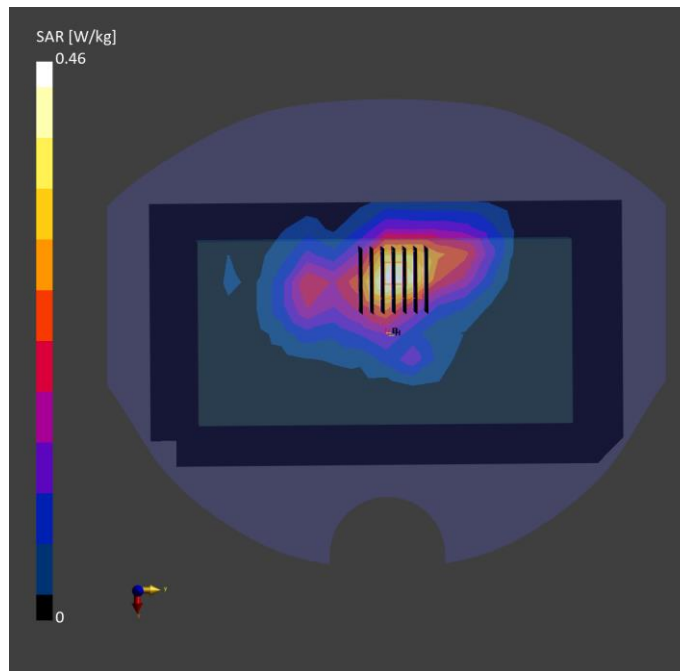
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.364         | <b>0.392</b>  |
| psSAR-10g [W/kg]   | 0.168         | <b>0.178</b>  |
| Power Drift [dB]   |               | 0.10          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 60.9          |
| Dist 3dB Peak [mm] |               | 13.7          |



Test Date : 2023-11-15 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

**Test Mode**

**150\_LTE Band 43\_QPSK20M\_Front Face\_5mm\_Ch44340\_1RB\_Offset0\_Ant 6\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 43 | LTE-TDD, 10172 - CAH | 3675.000, 44340                 | 6.8               | 2.82                   | 38.7             |

**Hardware Setup**

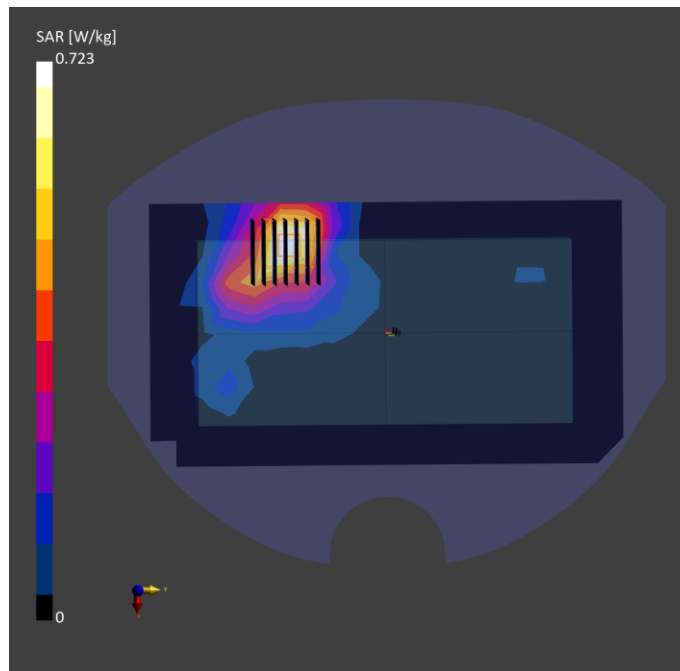
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.390         | <b>0.421</b>  |
| psSAR-10g [W/kg]   | 0.181         | <b>0.185</b>  |
| Power Drift [dB]   |               | -0.05         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 60.7          |
| Dist 3dB Peak [mm] |               | 12.1          |



Test Date : 2023-11-15 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

**Test Mode**

**151\_LTE Band 43\_QPSK20M\_Rear Face\_5mm\_Ch44340\_1RB\_Offset0\_Ant 7\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 43 | LTE-TDD, 10172 - CAH | 3675.000, 44340                 | 6.8               | 2.82                   | 38.7             |

**Hardware Setup**

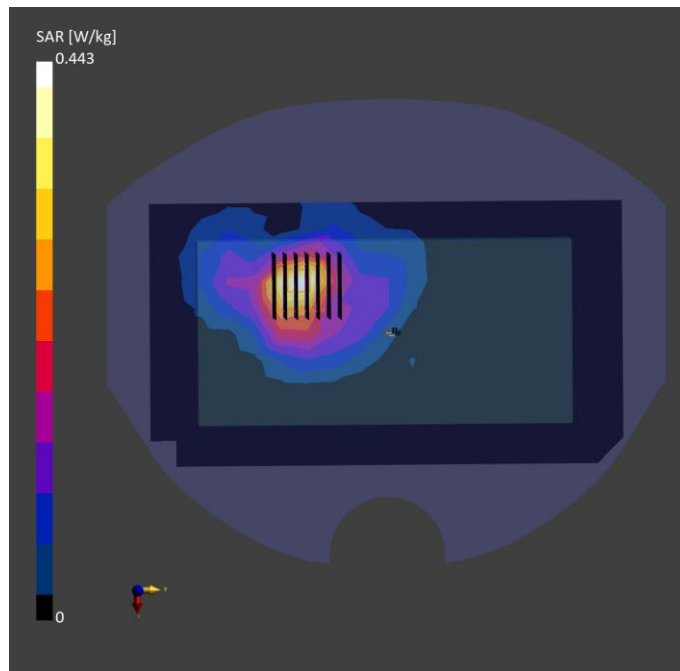
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.345         | <b>0.375</b>  |
| psSAR-10g [W/kg]   | 0.152         | <b>0.160</b>  |
| Power Drift [dB]   |               | -0.09         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 60.6          |
| Dist 3dB Peak [mm] |               | 10.0          |



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**152\_LTE Band 48\_QPSK20M\_Rear Face\_5mm\_Ch55340\_1RB\_Offset0\_Ant 4\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 48 | LTE-TDD, 10172 - CAH | 3560.000, 55340                 | 6.87              | 2.78                   | 39.6             |

**Hardware Setup**

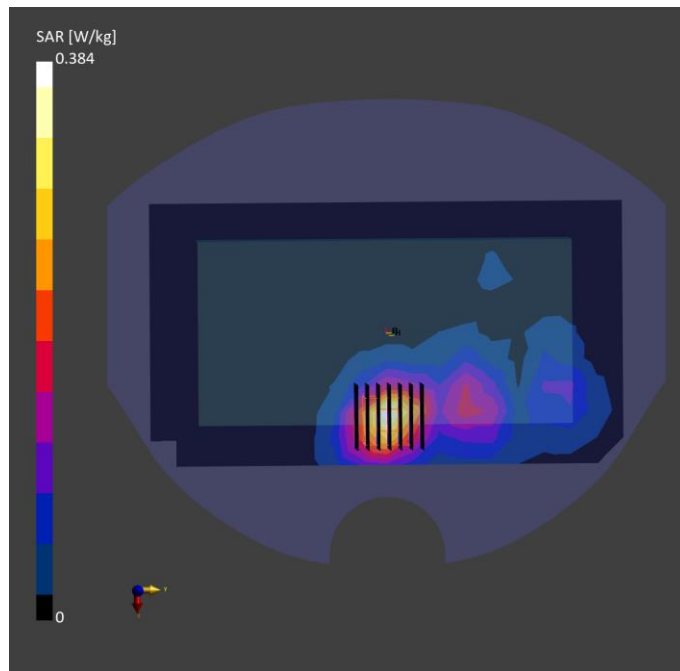
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.296         | <b>0.313</b>  |
| psSAR-10g [W/kg]   | 0.131         | <b>0.138</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.2          |
| Dist 3dB Peak [mm] |               | 12.6          |



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**153\_LTE Band 48\_QPSK20M\_Rear Face\_5mm\_Ch56640\_1RB\_Offset0\_Ant 5\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 48 | LTE-TDD, 10172 - CAH | 3690.000, 56640                 | 6.87              | 2.90                   | 39.4             |

**Hardware Setup**

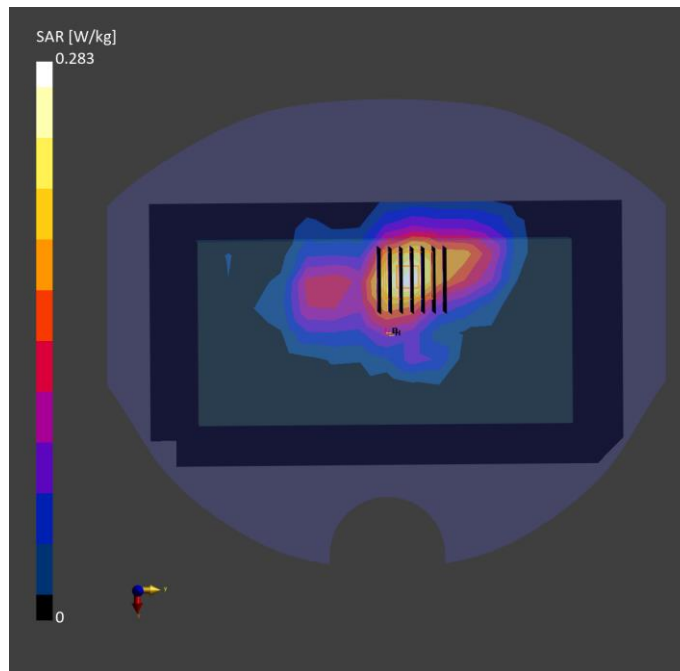
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.225         | <b>0.235</b>  |
| psSAR-10g [W/kg]   | 0.105         | <b>0.106</b>  |
| Power Drift [dB]   |               | -0.09         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.2          |
| Dist 3dB Peak [mm] |               | 13.1          |



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**154\_LTE Band 48\_QPSK20M\_Rear Face\_5mm\_Ch55340\_1RB\_Offset0\_Ant 6\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 48 | LTE-TDD, 10172 - CAH | 3560.000, 55340                 | 6.87              | 2.78                   | 39.6             |

**Hardware Setup**

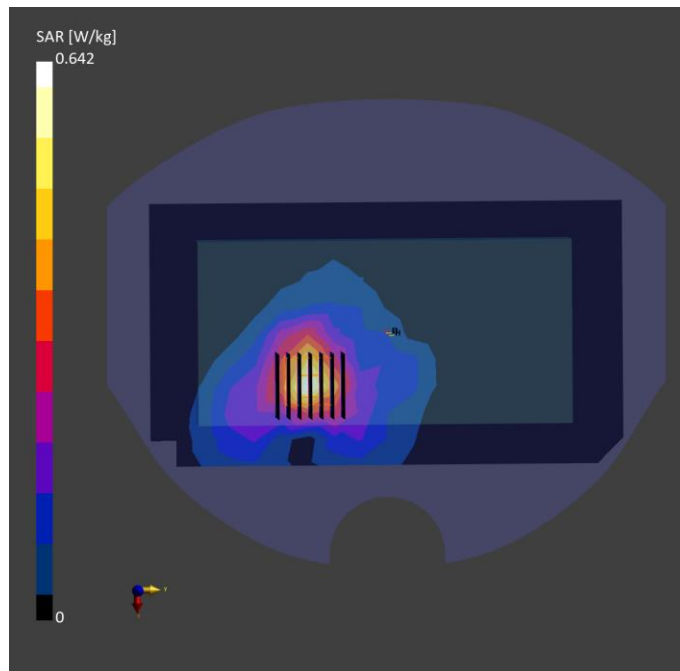
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.487         | <b>0.475</b>  |
| psSAR-10g [W/kg]   | 0.217         | <b>0.231</b>  |
| Power Drift [dB]   |               | 0.06          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 61.4          |
| Dist 3dB Peak [mm] |               | 10.8          |





Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**155\_LTE Band 48\_QPSK20M\_Rear Face\_5mm\_Ch56207\_1RB\_Offset0\_Ant 7\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 48 | LTE-TDD, 10172 - CAH | 3646.700, 56207                 | 6.87              | 2.86                   | 39.5             |

**Hardware Setup**

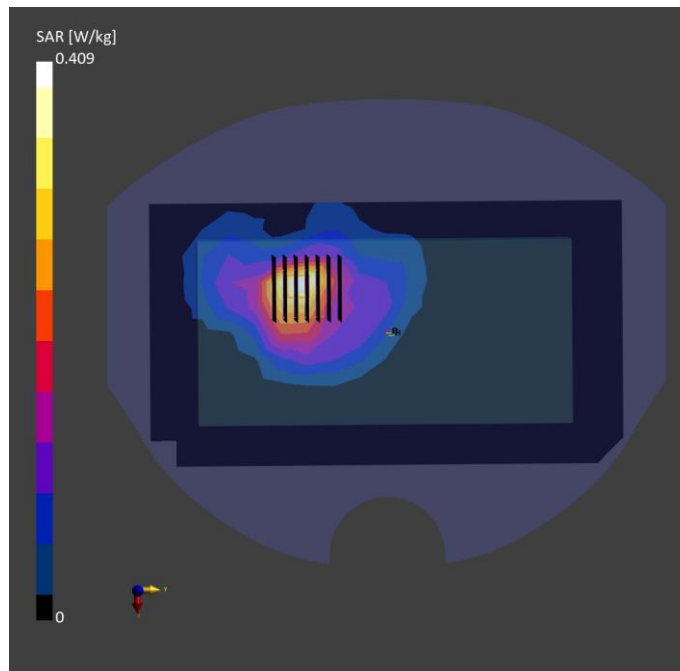
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.323         | <b>0.346</b>  |
| psSAR-10g [W/kg]   | 0.145         | <b>0.148</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 61.1          |
| Dist 3dB Peak [mm] |               | 10.2          |



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

**Test Mode**

**156\_LTE Band 66\_QPSK20M\_Front Face\_5mm\_Ch132072\_1RB\_Offset0\_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 66 | LTE-FDD, 10169 - CAF | 1720.000, 132072                | 8.68              | 1.38                   | 41.8             |

**Hardware Setup**

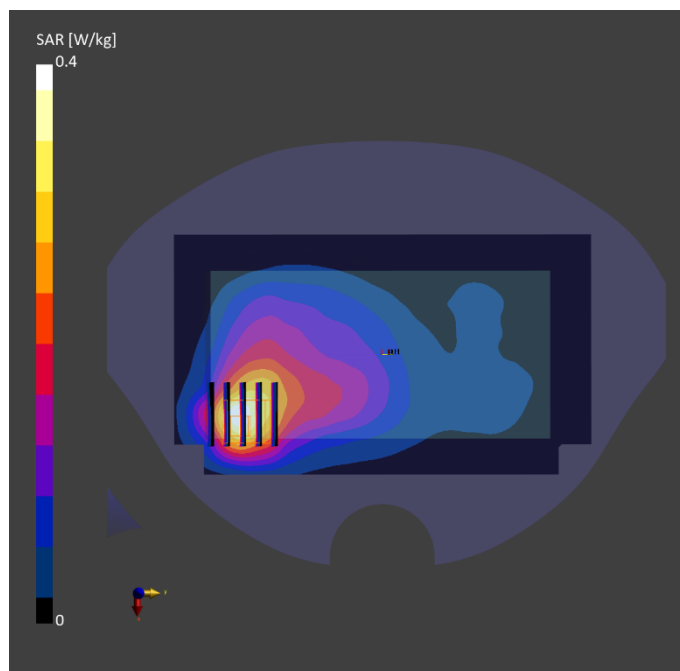
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.238         | <b>0.368</b>  |
| psSAR-10g [W/kg]   | 0.139         | <b>0.150</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 77.3          |
| Dist 3dB Peak [mm] |               | 10.2          |



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

**Test Mode**

**157\_LTE Band 66\_QPSK20M\_Front Face\_5mm\_Ch132072\_1RB\_Offset0\_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 66 | LTE-FDD, 10169 - CAF | 1720.000, 132072                | 8.68              | 1.38                   | 41.8             |

**Hardware Setup**

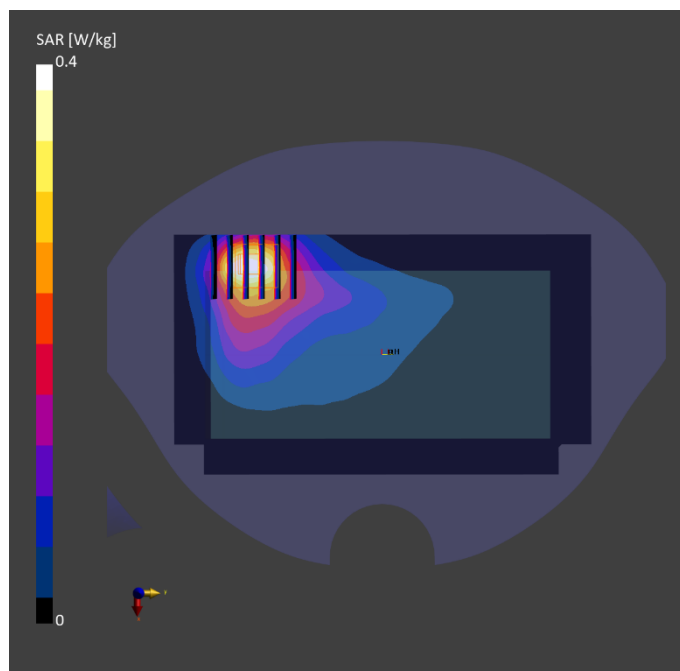
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.299         | <b>0.409</b>  |
| psSAR-10g [W/kg]   | 0.172         | <b>0.176</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.2          |
| Dist 3dB Peak [mm] |               | 12.2          |



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

**Test Mode**

**158\_LTE Band 66\_QPSK20M\_Rear Face\_5mm\_Ch132322\_1RB\_Offset0\_Ant 2\_w/**

**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 66 | LTE-FDD, 10169 - CAF | 1745.000, 132322                | 8.68              | 1.40                   | 41.8             |

**Hardware Setup**

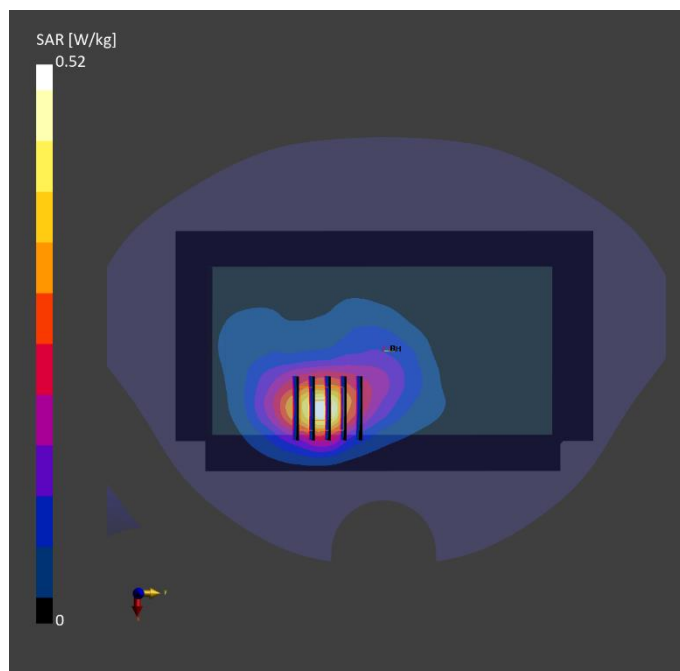
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.337         | <b>0.374</b>  |
| psSAR-10g [W/kg]   | 0.186         | <b>0.192</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.1          |
| Dist 3dB Peak [mm] |               | 13.7          |



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

**Test Mode**

**159\_LTE Band 66\_QPSK20M\_Rear Face\_5mm\_Ch132322\_1RB\_Offset0\_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 66 | LTE-FDD, 10169 - CAF | 1745.000, 132322                | 8.68              | 1.40                   | 41.8             |

**Hardware Setup**

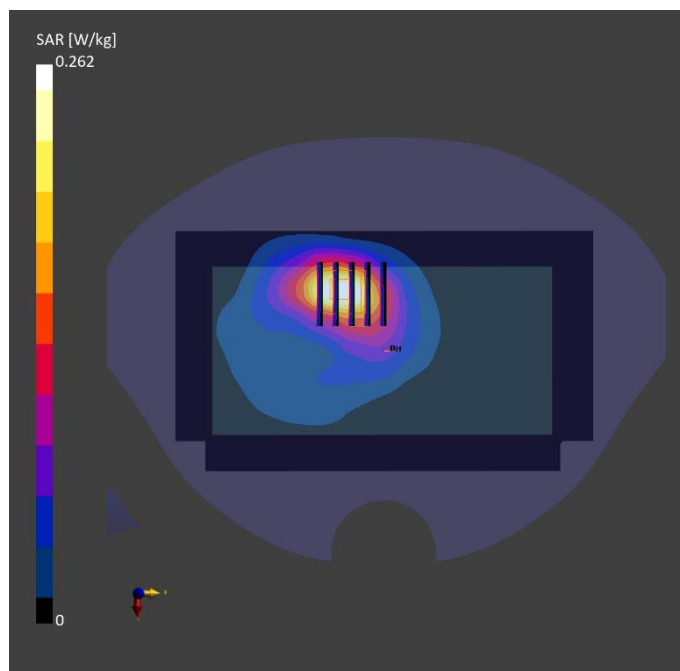
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.170         | <b>0.185</b>  |
| psSAR-10g [W/kg]   | 0.097         | <b>0.102</b>  |
| Power Drift [dB]   |               | 0.05          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.1          |
| Dist 3dB Peak [mm] |               | 12.8          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**160\_LTE Band 71\_QPSK20M\_Rear Face\_5mm\_Ch133322\_1RB\_Offset0\_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 71 | LTE-FDD, 10169 - CAF | 683.000, 133322                 | 9.81              | 0.888                  | 44.4             |

**Hardware Setup**

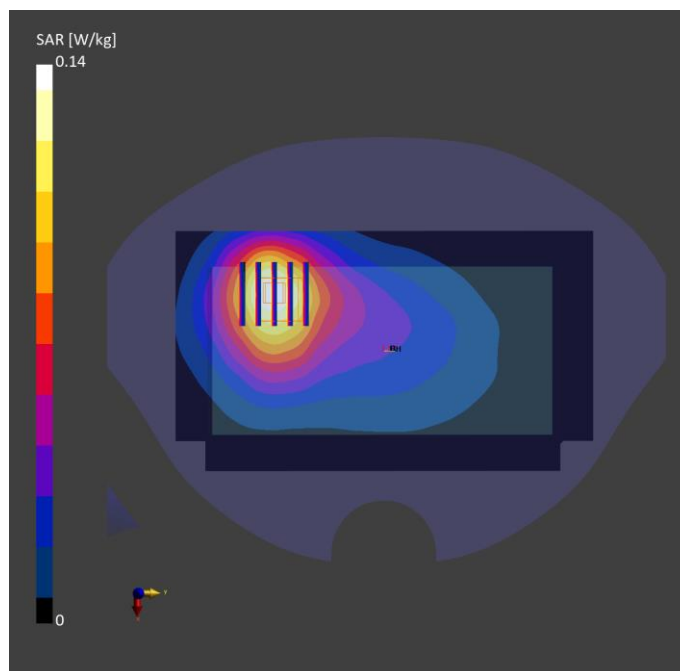
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.105         | <b>0.107</b>  |
| psSAR-10g [W/kg]   | 0.071         | <b>0.071</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.2          |
| Dist 3dB Peak [mm] |               | 16.0          |



Test Date : 2023-11-11 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

**Test Mode**

**161\_LTE Band 71\_QPSK20M\_Rear Face\_5mm\_Ch133322\_1RB\_Offset0\_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 71 | LTE-FDD, 10169 - CAF | 683.000, 133322                 | 9.81              | 0.888                  | 44.4             |

**Hardware Setup**

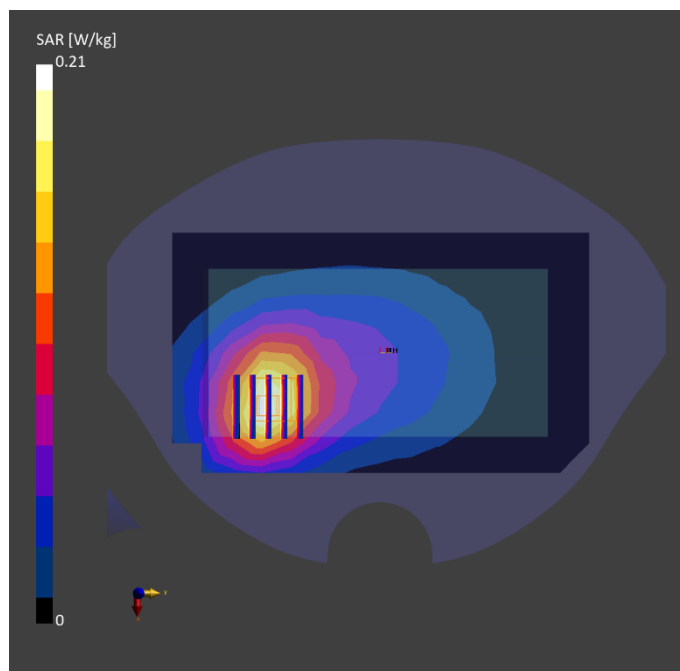
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.187         | <b>0.289</b>  |
| psSAR-10g [W/kg]   | 0.125         | <b>0.126</b>  |
| Power Drift [dB]   |               | -0.14         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 74.7          |
| Dist 3dB Peak [mm] |               | 22.7          |



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

**Test Mode**

**162\_NR Band n5\_DFT-S QPSK20M\_Front Face\_5mm\_Ch167800\_1RB\_Offset1\_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 n5 | 5G NR FR1 FDD, 10931 - AAC | 839.000, 167800                 | 9.67              | 0.968                  | 43.0             |

**Hardware Setup**

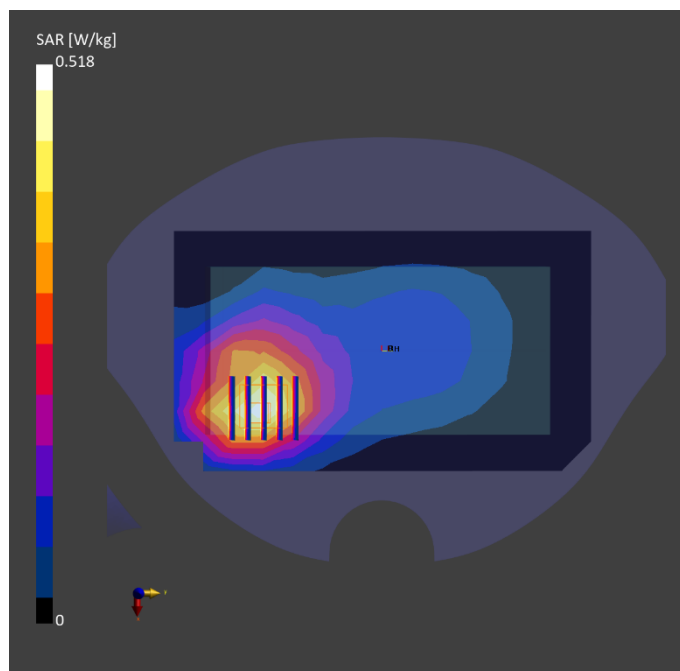
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.447         | <b>0.445</b>  |
| psSAR-10g [W/kg]   | 0.294         | <b>0.285</b>  |
| Power Drift [dB]   |               | 0.14          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.1          |
| Dist 3dB Peak [mm] |               | 18.3          |





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

**Test Mode**

**163\_NR Band n5\_DFT-S QPSK20M\_Front Face\_5mm\_Ch167800\_1RB\_Offset1\_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 n5 | 5G NR FR1 FDD, 10931 - AAC | 839.000, 167800                 | 9.67              | 0.968                  | 43.0             |

**Hardware Setup**

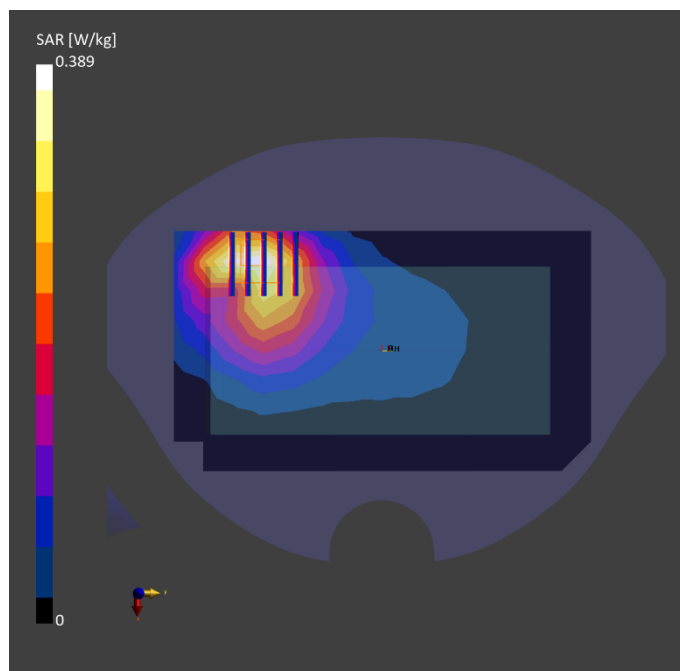
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.340         | <b>0.335</b>  |
| psSAR-10g [W/kg]   | 0.223         | <b>0.207</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.4          |
| Dist 3dB Peak [mm] |               | 14.8          |



Test Date : 2023-11-20 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**164\_NR Band n7\_DFT-S QPSK20M\_Front Face\_10mm\_Ch507000\_1RB\_Offset1\_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 n7 | 5G NR FR1 FDD, 10931 - AAC | 2535.000, 507000                | 7.36              | 1.88                   | 38.1             |

**Hardware Setup**

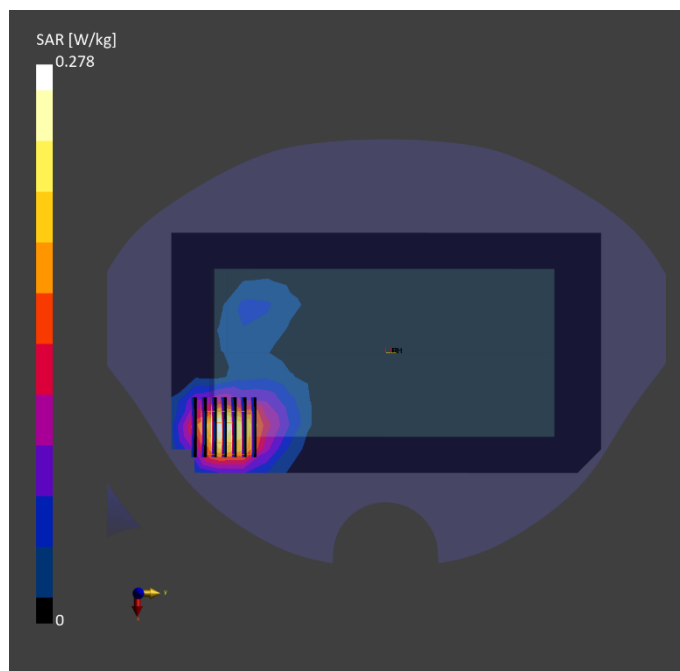
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.221         | <b>0.303</b>  |
| psSAR-10g [W/kg]   | 0.113         | <b>0.153</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.4          |
| Dist 3dB Peak [mm] |               | 11.5          |



Test Date : 2023-11-20 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**165\_NR Band n7\_DFT-S QPSK20M\_Front Face\_10mm\_Ch507000\_1RB\_Offset1\_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 n7 | 5G NR FR1 FDD, 10931 - AAC | 2535.000, 507000                | 7.36              | 1.88                   | 38.1             |

**Hardware Setup**

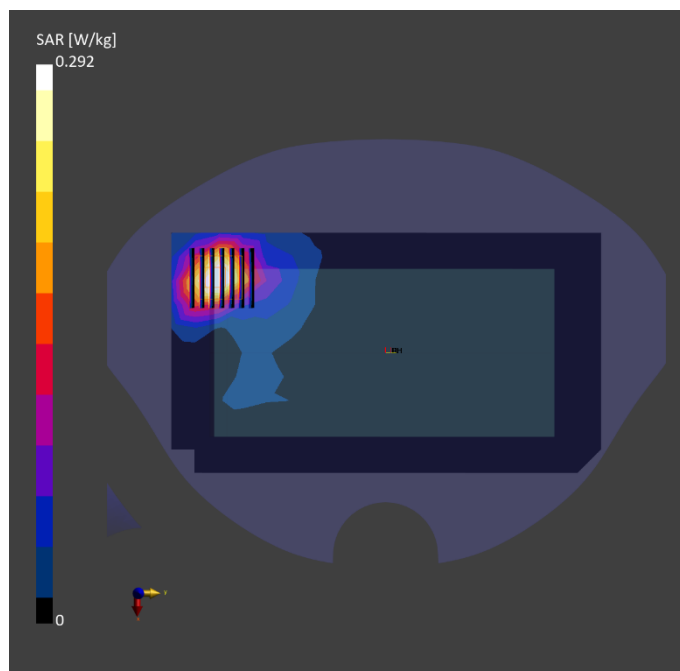
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 216.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 12.0 x 12.0   | 5.0 x 5.0 x 5.0    |
| Sensor Surface [mm] | 3.0           | 1.4                |
| Graded Grid         | N/A           | Yes                |
| Grading Ratio       | N/A           | 1.4                |

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.264         | <b>0.361</b>  |
| psSAR-10g [W/kg]   | 0.128         | <b>0.176</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 70.4          |
| Dist 3dB Peak [mm] |               | 11.2          |



Test Date : 2023-11-20 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**166\_NR Band n7\_DFT-S QPSK20M\_Front Face\_5mm\_Ch502000\_1RB\_Offset1\_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 n7 | 5G NR FR1 FDD, 10931 - AAC | 2510.000, 502000                | 7.36              | 1.86                   | 38.1             |

**Hardware Setup**

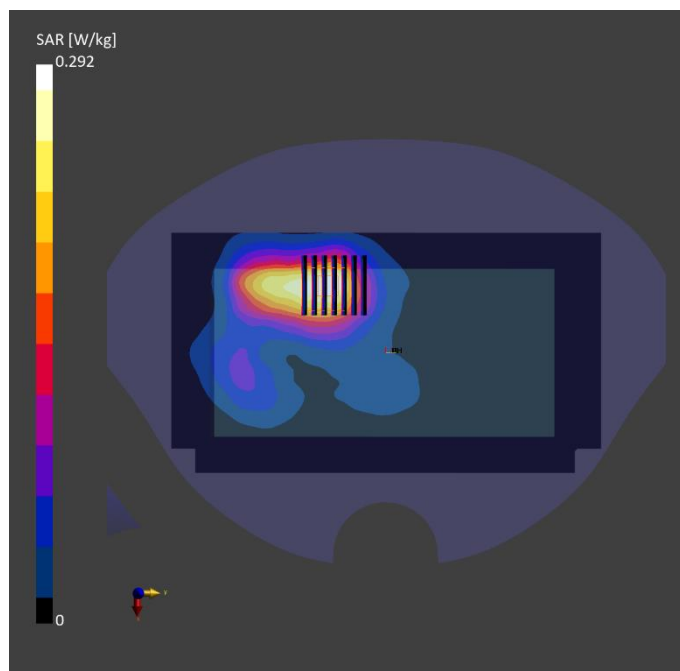
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.296         | <b>0.328</b>  |
| psSAR-10g [W/kg]   | 0.155         | <b>0.179</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 72.3          |
| Dist 3dB Peak [mm] |               | 13.2          |



Test Date : 2023-11-20 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**167\_NR Band n7\_DFT-S QPSK20M\_Rear Face\_10mm\_Ch502000\_1RB\_Offset1\_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 n7 | 5G NR FR1 FDD, 10931 - AAC | 2510.000, 502000                | 7.36              | 1.86                   | 38.1             |

**Hardware Setup**

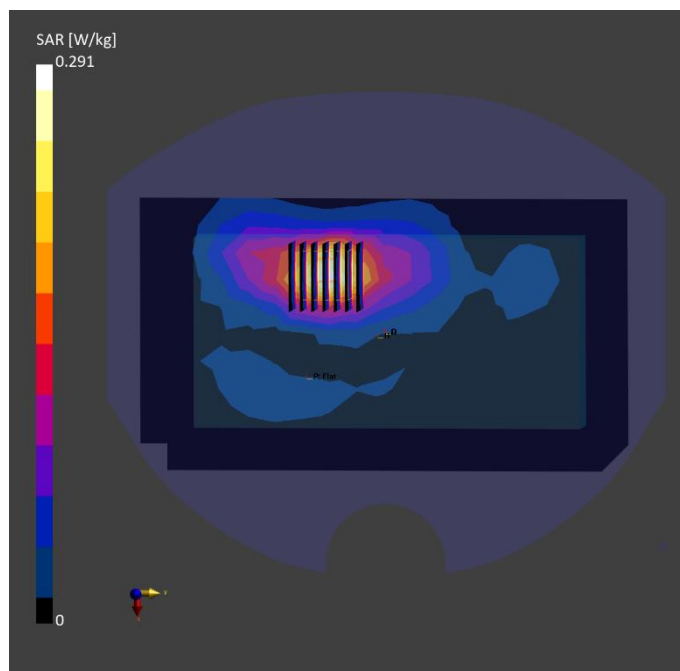
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.238         | <b>0.246</b>  |
| psSAR-10g [W/kg]   | 0.124         | <b>0.126</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.4          |
| Dist 3dB Peak [mm] |               | 12.2          |



Test Date : 2023-11-17 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

**Test Mode**

**168\_NR Band n12\_DFT-S QPSK15M\_Rear Face\_5mm\_Ch141500\_1RB\_Offset1\_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 n12 | 5G NR FR1 FDD, 10930 - AAC | 707.500, 141500                 | 9.81              | 0.917                  | 44.3             |

**Hardware Setup**

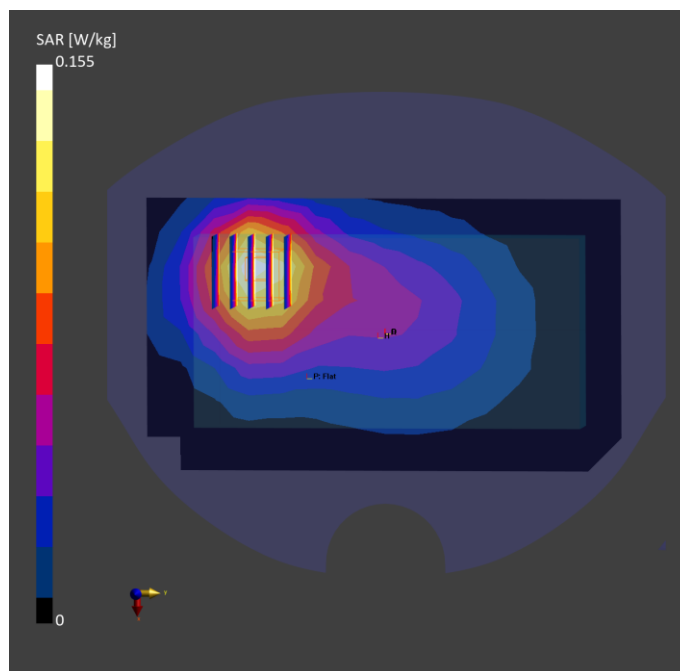
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.137         | <b>0.141</b>  |
| psSAR-10g [W/kg]   | 0.093         | <b>0.093</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.5          |
| Dist 3dB Peak [mm] |               | 21.6          |



Test Date : 2023-11-17 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

**Test Mode**

**169\_NR Band n12\_DFT-S QPSK15M\_Rear Face\_5mm\_Ch141700\_1RB\_Offset1\_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 n12 | 5G NR FR1 FDD, 10930 - AAC | 708.500, 141700                 | 9.81              | 0.917                  | 44.3             |

**Hardware Setup**

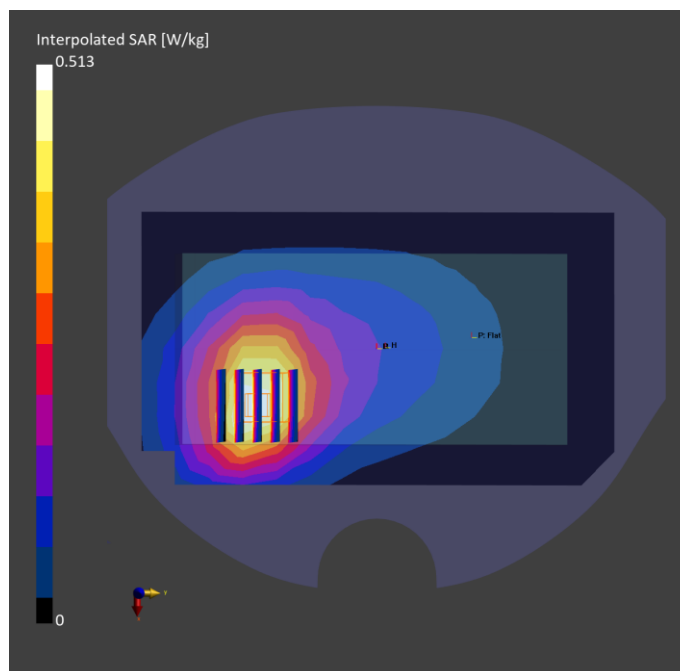
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.330         | <b>0.402</b>  |
| psSAR-10g [W/kg]   | 0.224         | <b>0.340</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.4          |
| Dist 3dB Peak [mm] |               | 21.6          |



Test Date : 2023-11-17 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

**Test Mode**

**170\_NR Band n13\_DFT-S QPSK10M\_Front Face\_5mm\_Ch156400\_1RB\_Offset1\_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 n13 | 5G NR FR1 FDD, 10929 - AAD | 782.000, 156400                 | 9.81              | 0.945                  | 44.1             |

**Hardware Setup**

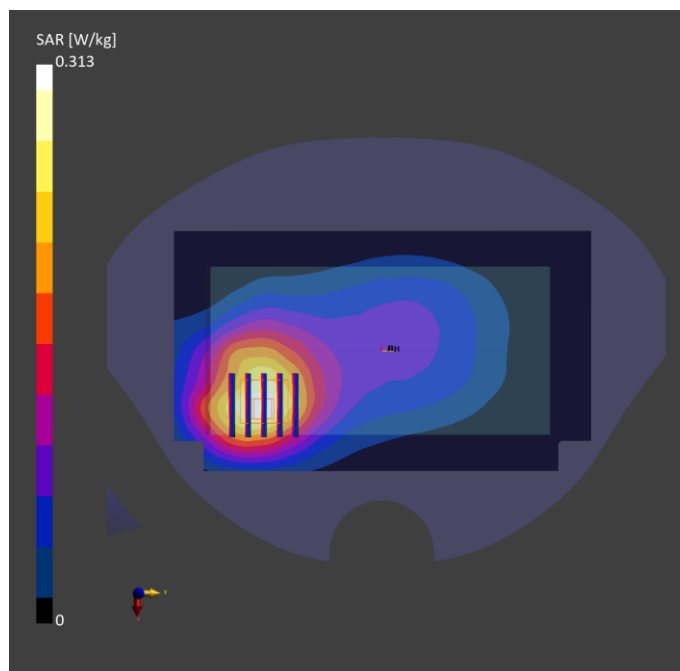
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.235         | <b>0.294</b>  |
| psSAR-10g [W/kg]   | 0.156         | <b>0.213</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.7          |
| Dist 3dB Peak [mm] |               | 18.3          |





Test Date : 2023-11-17 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

**Test Mode**

**171\_NR Band n13\_DFT-S QPSK10M\_Front Face\_5mm\_Ch156400\_1RB\_Offset1\_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 n13 | 5G NR FR1 FDD, 10929 - AAD | 782.000, 156400                 | 9.81              | 0.945                  | 44.1             |

**Hardware Setup**

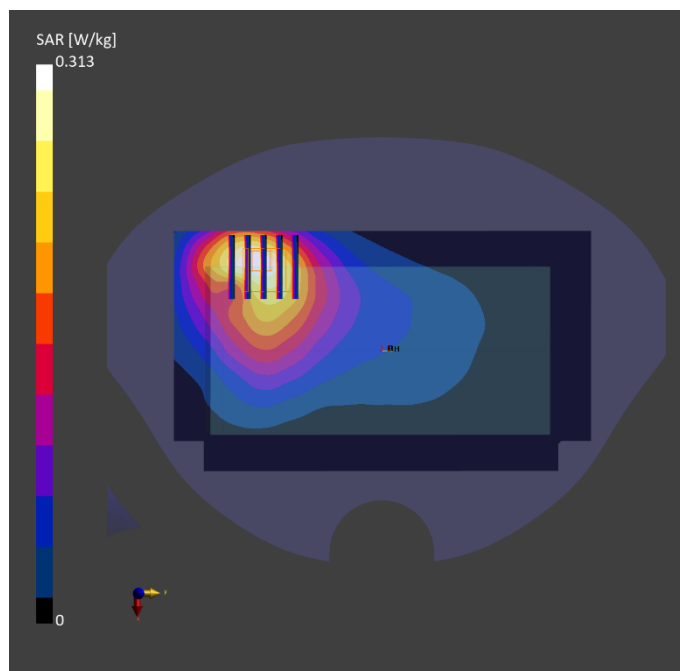
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.307         | <b>0.406</b>  |
| psSAR-10g [W/kg]   | 0.187         | <b>0.256</b>  |
| Power Drift [dB]   |               | 0.02          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 75.1          |
| Dist 3dB Peak [mm] |               | 17.4          |



Test Date : 2023-11-17 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

**Test Mode**

**172\_NR Band n14\_DFT-S QPSK10M\_Rear Face\_5mm\_Ch158600\_1RB\_Offset1\_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 n14 | 5G NR FR1 FDD, 10929 - AAD | 793.000, 158600                 | 9.81              | 0.948                  | 44.0             |

**Hardware Setup**

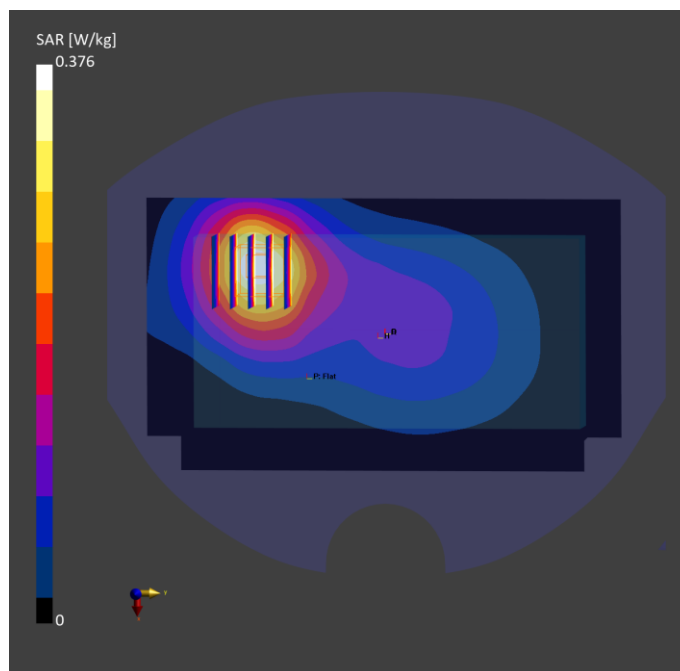
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.455         | <b>0.492</b>  |
| psSAR-10g [W/kg]   | 0.236         | <b>0.295</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.3          |
| Dist 3dB Peak [mm] |               | 19.3          |



Test Date : 2023-11-17 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

**Test Mode**

**173\_NR Band n14\_DFT-S QPSK10M\_Front Face\_10mm\_Ch158600\_1RB\_Offset1\_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 n14 | 5G NR FR1 FDD, 10929 - AAD | 793.000, 158600                 | 9.81              | 0.948                  | 44.0             |

**Hardware Setup**

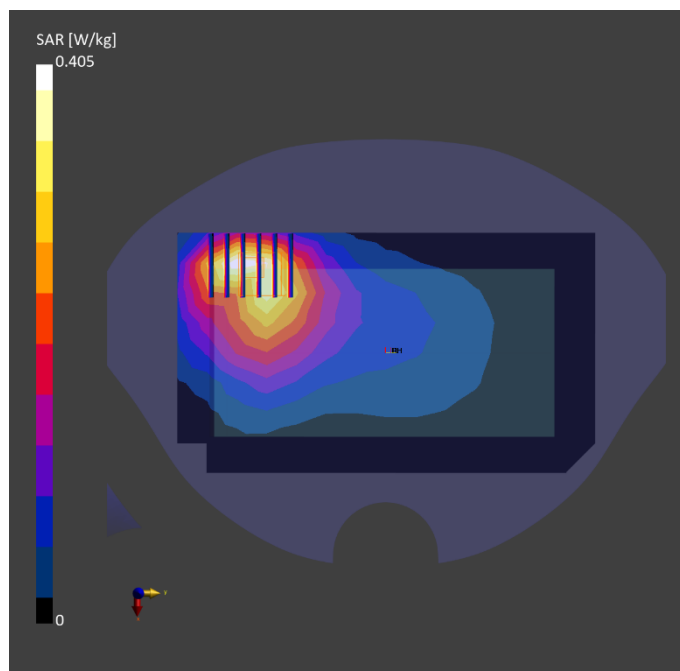
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.452         | <b>0.522</b>  |
| psSAR-10g [W/kg]   | 0.332         | <b>0.325</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.3          |
| Dist 3dB Peak [mm] |               | 14.4          |



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

**Test Mode**

**174\_NR Band n25\_DFT-S QPSK20M\_Front Face\_10mm\_Ch372000\_1RB\_Offset1\_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 n25 | 5G NR FR1 FDD, 10931 - AAC | 1860.000, 372000                | 8.25              | 1.45                   | 41.2             |

**Hardware Setup**

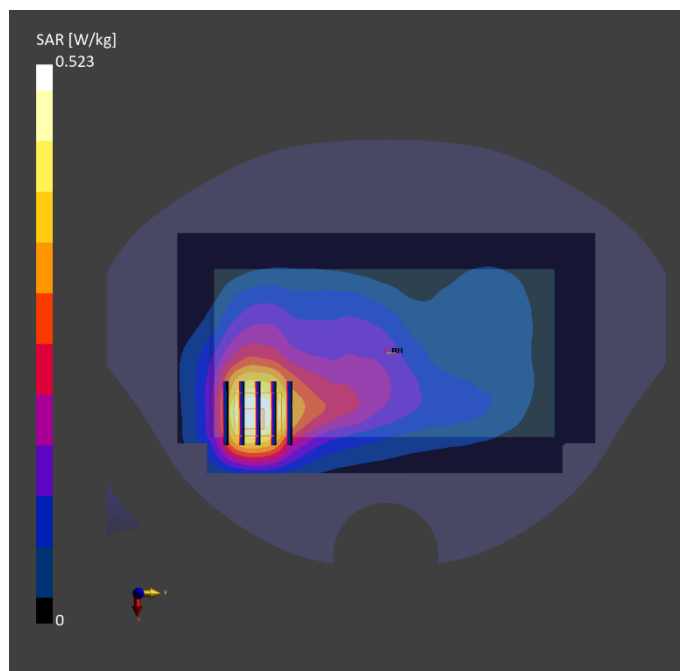
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.248         | <b>0.275</b>  |
| psSAR-10g [W/kg]   | 0.109         | <b>0.150</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.2          |
| Dist 3dB Peak [mm] |               | 15.2          |



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

**Test Mode**

**175\_NR Band n25\_DFT-S QPSK20M\_Front Face\_10mm\_Ch372000\_1RB\_Offset1\_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 n25 | 5G NR FR1 FDD, 10931 - AAC | 1860.000, 372000                | 8.25              | 1.45                   | 41.2             |

**Hardware Setup**

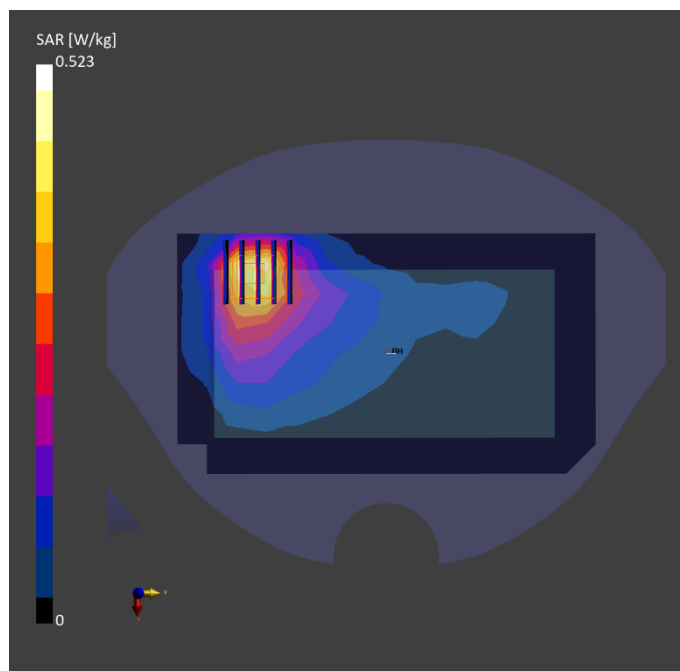
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.414         | <b>0.335</b>  |
| psSAR-10g [W/kg]   | 0.241         | <b>0.192</b>  |
| Power Drift [dB]   |               | -0.05         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.3          |
| Dist 3dB Peak [mm] |               | 14.4          |



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

**Test Mode**

**176\_NR Band n25\_DFT-S QPSK20M\_Rear Face\_10mm\_Ch381000\_1RB\_Offset1\_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 n25 | 5G NR FR1 FDD, 10931 - AAC | 1905.000, 381000                | 8.25              | 1.47                   | 41.1             |

**Hardware Setup**

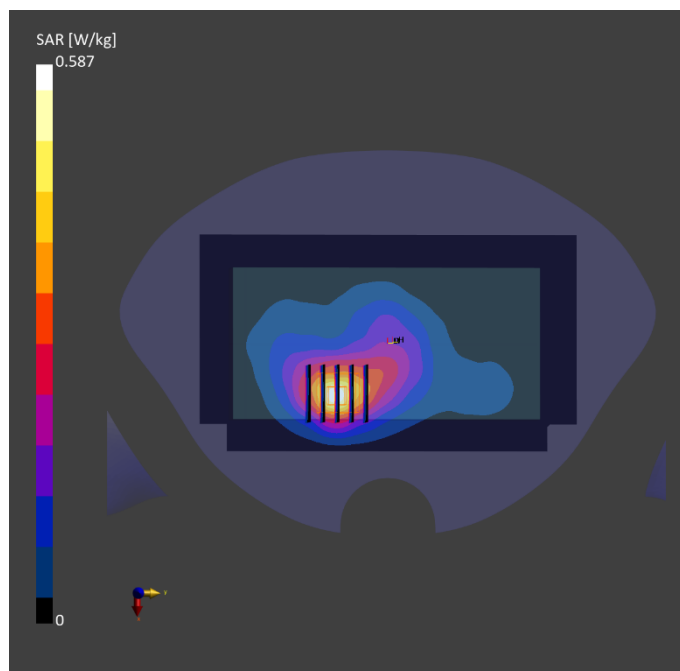
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.374         | <b>0.386</b>  |
| psSAR-10g [W/kg]   | 0.202         | <b>0.211</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 74.6          |
| Dist 3dB Peak [mm] |               | 14.8          |



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

**Test Mode**

**177\_NR Band n25\_DFT-S QPSK20M\_Rear Face\_5mm\_Ch381000\_1RB\_Offset1\_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 n25 | 5G NR FR1 FDD, 10931 - AAC | 1905.000, 381000                | 8.25              | 1.47                   | 41.1             |

**Hardware Setup**

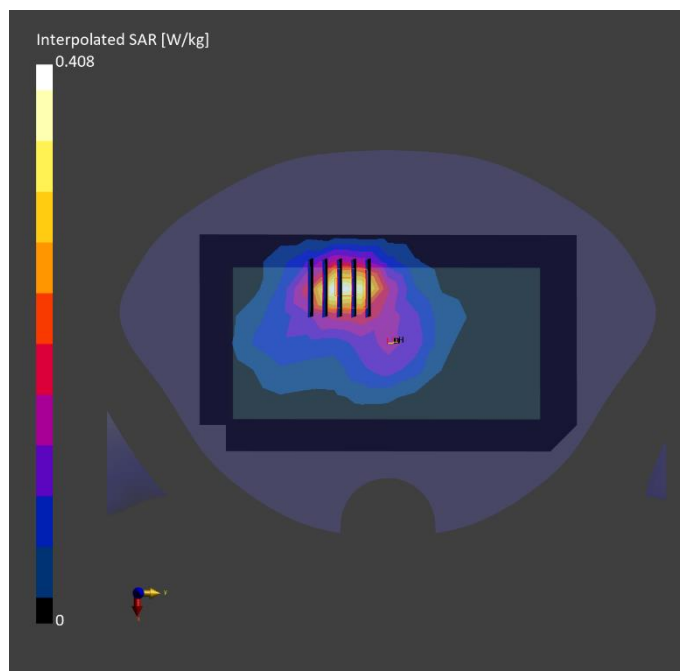
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.312         | <b>0.345</b>  |
| psSAR-10g [W/kg]   | 0.117         | <b>0.184</b>  |
| Power Drift [dB]   |               | -0.08         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.3          |
| Dist 3dB Peak [mm] |               | 12.8          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**178\_NR Band n30\_DFT-S QPSK10M\_Rear Face\_5mm\_Ch462000\_1RB\_Offset1\_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 n30 | 5G NR FR1 FDD, 10929 - AAD | 2310.000, 462000                | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

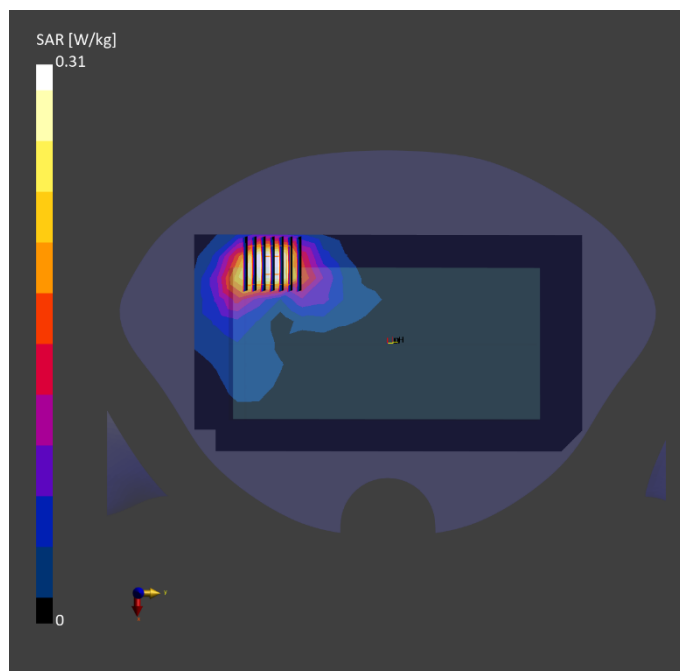
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.326         | <b>0.333</b>  |
| psSAR-10g [W/kg]   | 0.242         | <b>0.255</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 51.6          |
| Dist 3dB Peak [mm] |               | 10.5          |





Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**179\_NR Band n30\_DFT-S QPSK10M\_Rear Face\_10mm\_Ch462000\_1RB\_Offset1\_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 n30 | 5G NR FR1 FDD, 10929 - AAD | 2310.000, 462000                | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

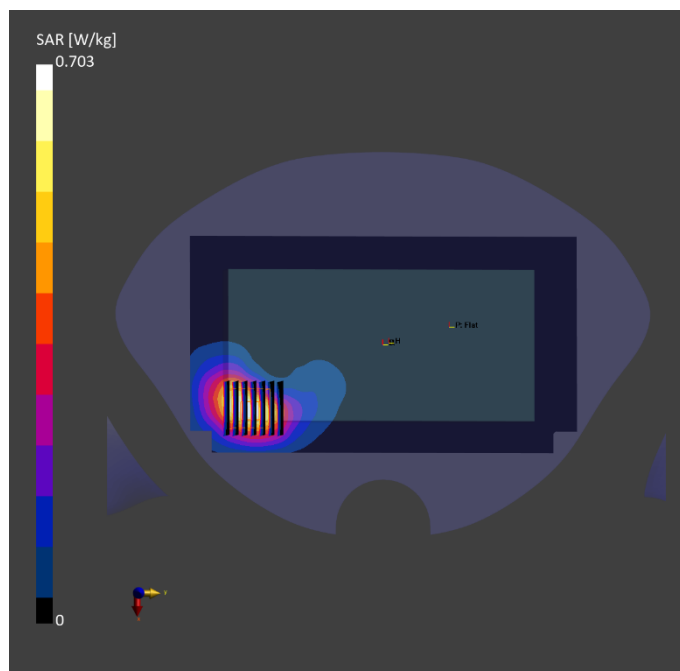
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.471         | <b>0.476</b>  |
| psSAR-10g [W/kg]   | 0.246         | <b>0.256</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 55.6          |
| Dist 3dB Peak [mm] |               | 11.5          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**180\_NR Band n30\_DFT-S QPSK10M\_Rear Face\_5mm\_Ch462000\_1RB\_Offset1\_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 n30 | 5G NR FR1 FDD, 10929 - AAD | 2310.000, 462000                | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

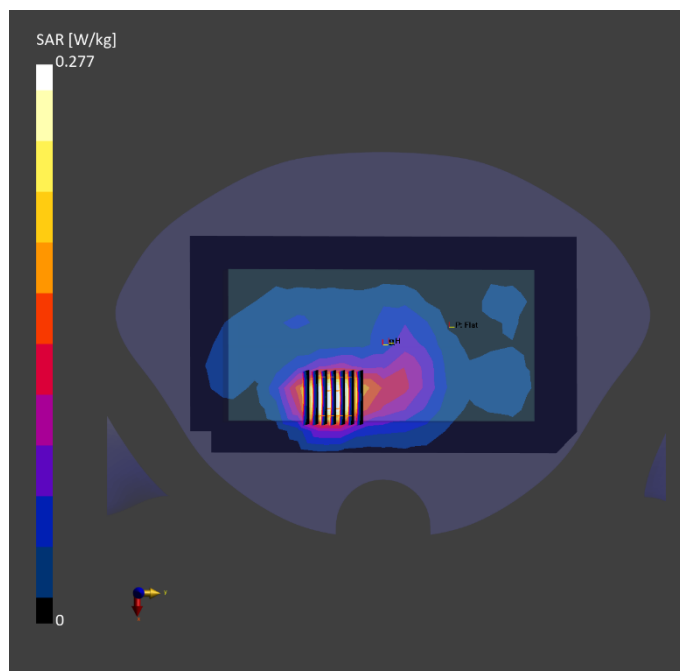
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.360         | <b>0.379</b>  |
| psSAR-10g [W/kg]   | 0.138         | <b>0.188</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 48.7          |
| Dist 3dB Peak [mm] |               | 12.1          |



Test Date : 2023-11-13 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

**Test Mode**

**181\_NR Band n30\_DFT-S QPSK10M\_Rear Face\_10mm\_Ch462000\_1RB\_Offset1\_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 n30 | 5G NR FR1 FDD, 10929 - AAD | 2310.000, 462000                | 7.92              | 1.71                   | 40.0             |

**Hardware Setup**

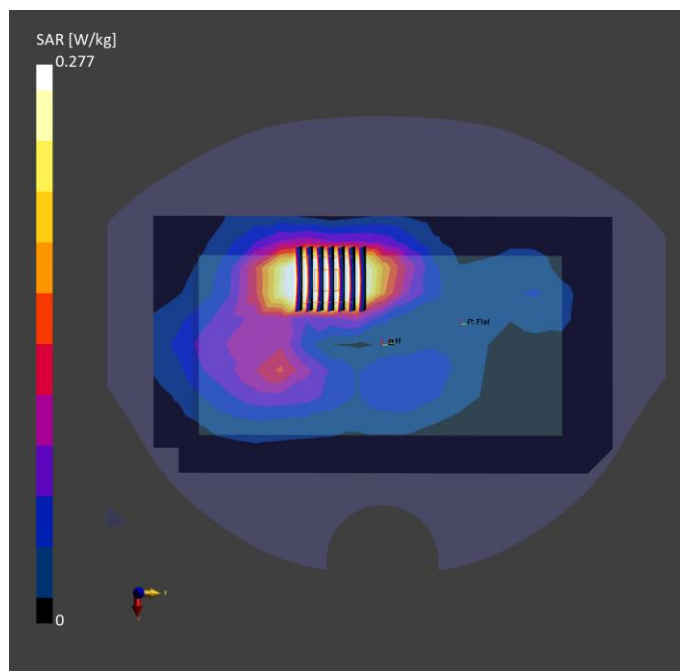
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.364         | <b>0.386</b>  |
| psSAR-10g [W/kg]   | 0.192         | <b>0.196</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 51.1          |
| Dist 3dB Peak [mm] |               | 12.0          |



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

**Test Mode**

**182\_NR Band n66\_DFT-S QPSK20M\_Rear Face\_5mm\_Ch344000\_1RB\_Offset1\_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 n66 | 5G NR FR1 FDD, 10931 - AAC | 1720.000, 344000                | 8.68              | 1.38                   | 41.8             |

**Hardware Setup**

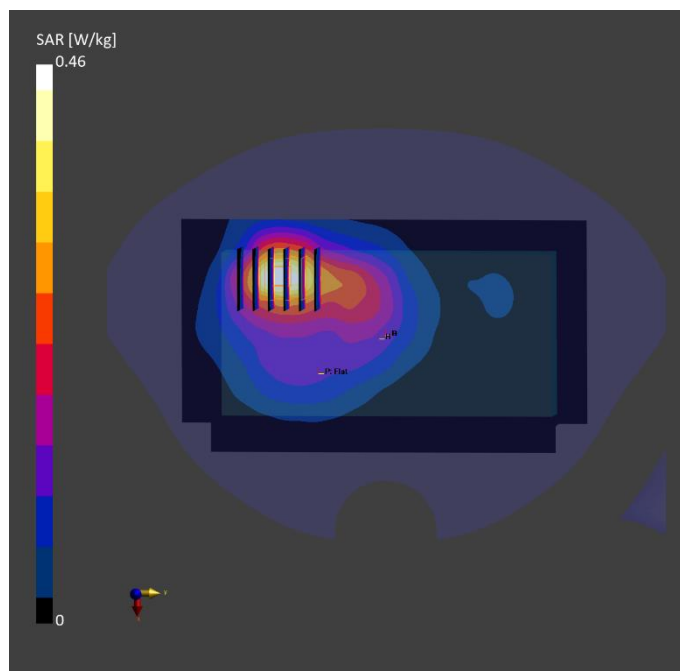
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.302         | <b>0.445</b>  |
| psSAR-10g [W/kg]   | 0.177         | <b>0.271</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 71.4          |
| Dist 3dB Peak [mm] |               | 15.8          |



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

**Test Mode**

**183\_NR Band n66\_DFT-S QPSK20M\_Front Face\_10mm\_Ch354000\_1RB\_Offset1\_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 n66 | 5G NR FR1 FDD, 10931 - AAC | 1770.000, 354000                | 8.68              | 1.41                   | 41.7             |

**Hardware Setup**

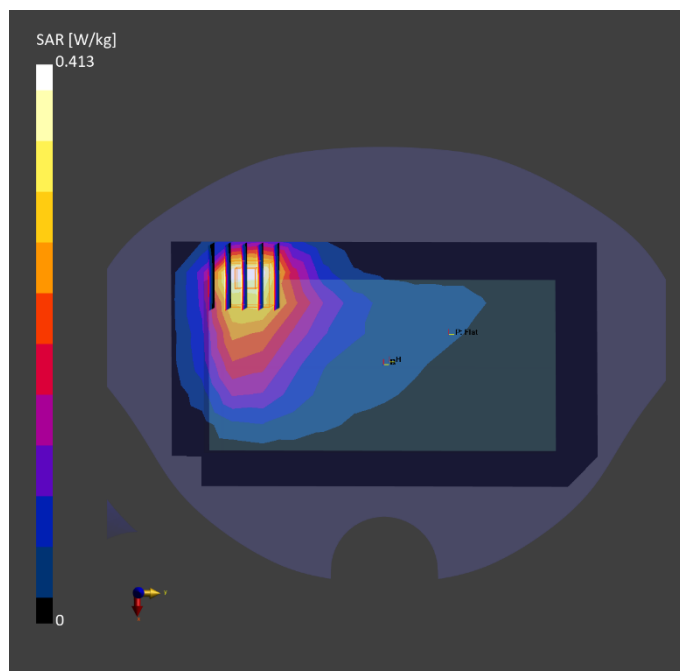
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.312         | <b>0.322</b>  |
| psSAR-10g [W/kg]   | 0.156         | <b>0.186</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 68.7          |
| Dist 3dB Peak [mm] |               | 12.2          |



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

**Test Mode**

**184\_NR Band n66\_DFT-S QPSK20M\_Rear Face\_5mm\_Ch349000\_1RB\_Offset1\_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 n66 | 5G NR FR1 FDD, 10931 - AAC | 1745.000, 349000                | 8.68              | 1.40                   | 41.8             |

**Hardware Setup**

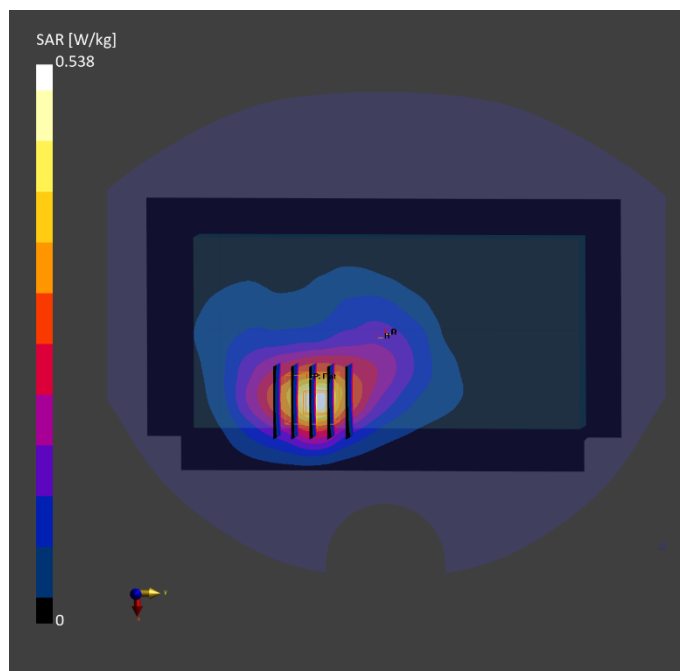
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.539         | <b>0.558</b>  |
| psSAR-10g [W/kg]   | 0.287         | <b>0.323</b>  |
| Power Drift [dB]   |               | 0.06          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.7          |
| Dist 3dB Peak [mm] |               | 14.4          |



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

**Test Mode**

**185\_NR Band n66\_DFT-S QPSK20M\_Rear Face\_5mm\_Ch349000\_1RB\_Offset1\_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 n66 | 5G NR FR1 FDD, 10931 - AAC | 1745.000, 349000                | 8.68              | 1.40                   | 41.8             |

**Hardware Setup**

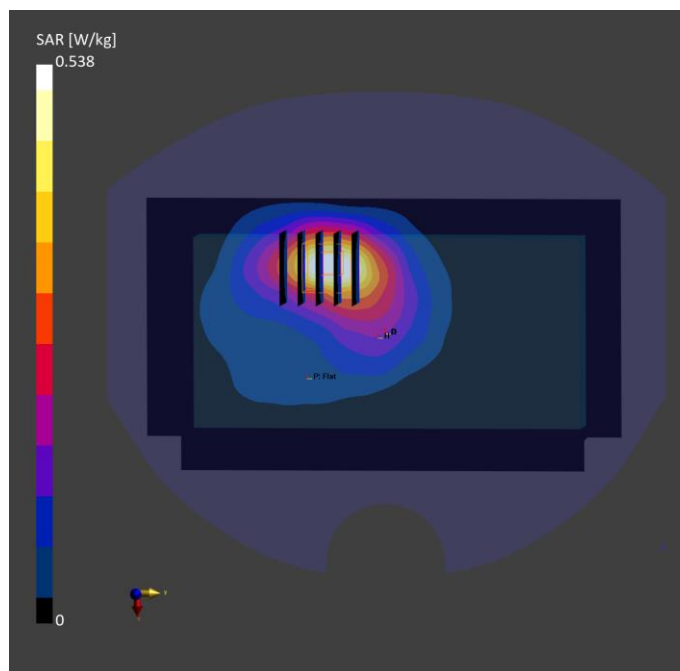
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.163         | <b>0.172</b>  |
| psSAR-10g [W/kg]   | 0.094         | <b>0.096</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 65.2          |
| Dist 3dB Peak [mm] |               | 14.4          |



Test Date : 2023-11-17 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

**Test Mode**

**186\_NR Band n71\_DFT-S QPSK20M\_Rear Face\_5mm\_Ch136100\_1RB\_Offset1\_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 n71 | 5G NR FR1 FDD, 10931 - AAC | 680.500, 136100                 | 9.81              | 0.907                  | 44.4             |

**Hardware Setup**

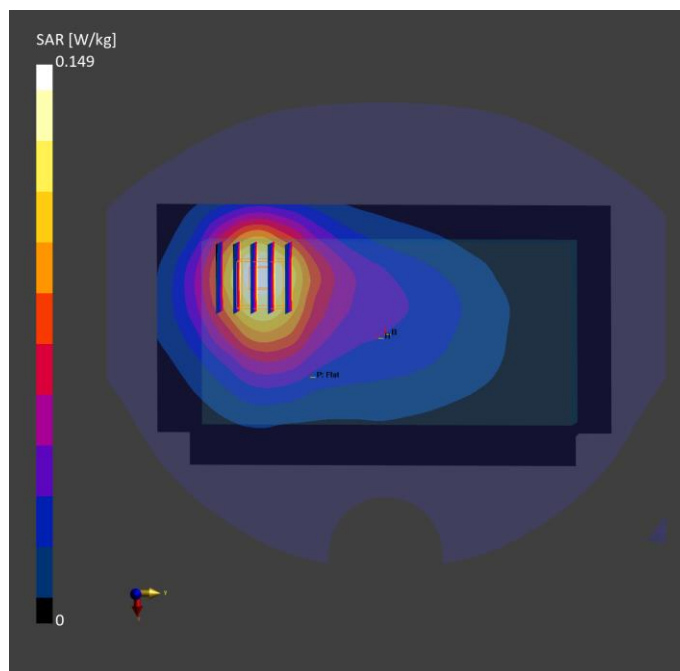
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756 / 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]    | 0.112         | <b>0.112</b>  |
| psSAR-10g [W/kg]   | 0.076         | <b>0.076</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 71.7          |
| Dist 3dB Peak [mm] |               | 10.0          |





Test Date : 2023-11-17 | Ambient Temp : 22.4 °C | Tissue Temp : 22.2 °C

**Test Mode**

**187\_NR Band n71\_DFT-S QPSK20M\_Rear Face\_5mm\_Ch136100\_1RB\_Offset1\_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 n71 | 5G NR FR1 FDD, 10931 - AAC | 680.500, 136100                 | 9.81              | 0.907                  | 44.4             |

**Hardware Setup**

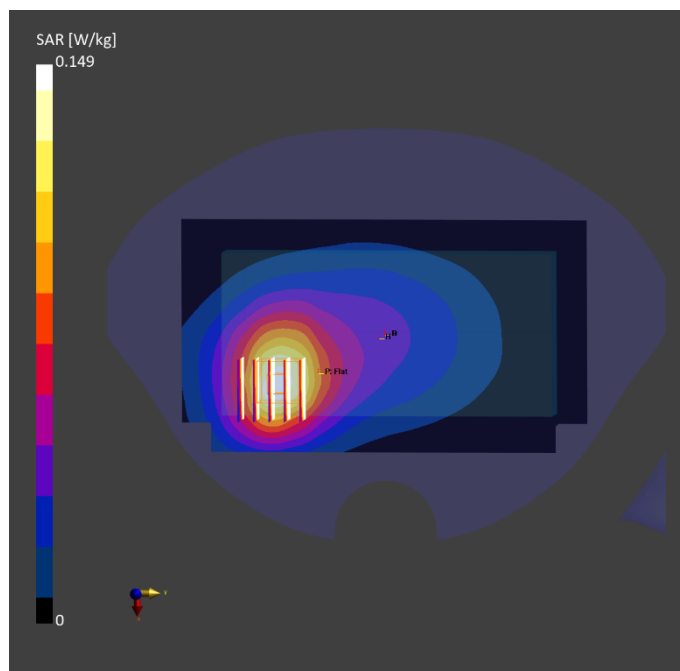
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.326         | <b>0.332</b>  |
| psSAR-10g [W/kg]   | 0.221         | <b>0.221</b>  |
| Power Drift [dB]   |               | -0.17         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 73.9          |
| Dist 3dB Peak [mm] |               | 10.5          |



Test Date : 2023-11-20 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**188\_NR Band n38\_DFT-S QPSK40M\_Rear Face\_10mm\_Ch519000\_1RB\_Offset1\_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 n38 | 5G NR FR1 TDD, 10903 - AAD | 2595.000, 519000                | 7.36              | 1.93                   | 38.0             |

**Hardware Setup**

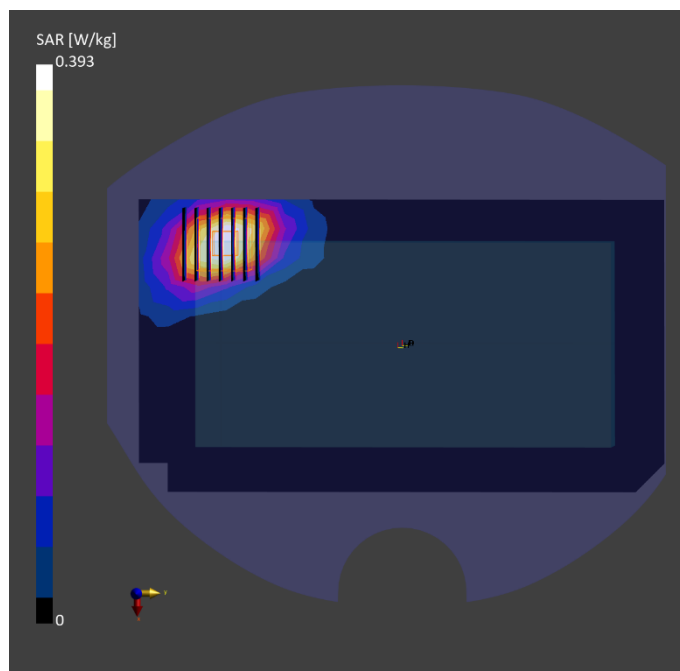
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.347         | <b>0.365</b>  |
| psSAR-10g [W/kg]   | 0.179         | <b>0.183</b>  |
| Power Drift [dB]   |               | -0.12         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 70.9          |
| Dist 3dB Peak [mm] |               | 11.2          |



Test Date : 2023-11-20 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**189\_NR Band n38\_DFT-S QPSK40M\_Rear Face\_5mm\_Ch520000\_1RB\_Offset1\_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 n38 | 5G NR FR1 TDD, 10903 - AAD | 2600.000, 520000                | 7.36              | 1.94                   | 38.0             |

**Hardware Setup**

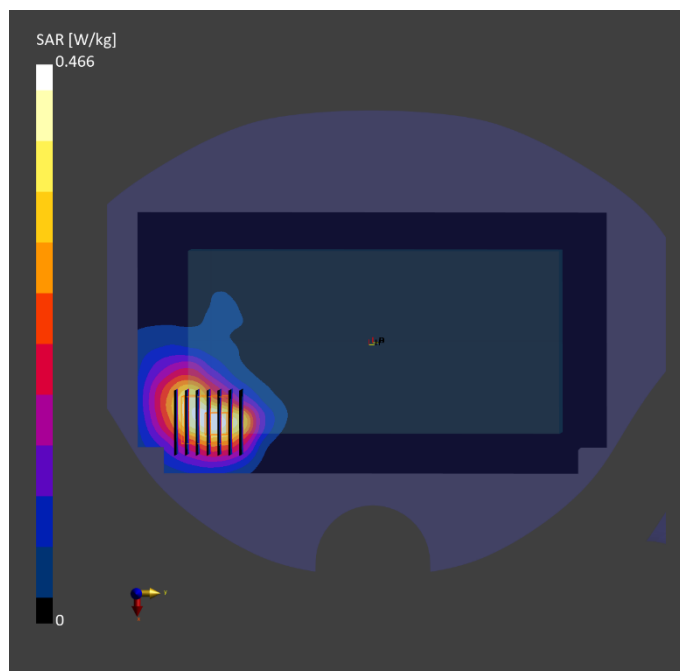
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.301         | <b>0.401</b>  |
| psSAR-10g [W/kg]   | 0.157         | <b>0.216</b>  |
| Power Drift [dB]   |               | 0.17          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 72.8          |
| Dist 3dB Peak [mm] |               | 11.5          |



Test Date : 2023-11-20 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**190\_NR Band n38\_DFT-S QPSK40M\_Front Face\_5mm\_Ch518000\_1RB\_Offset1\_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 n38 | 5G NR FR1 TDD, 10903 - AAD | 2590.000, 518000                | 7.36              | 1.93                   | 38.0             |

**Hardware Setup**

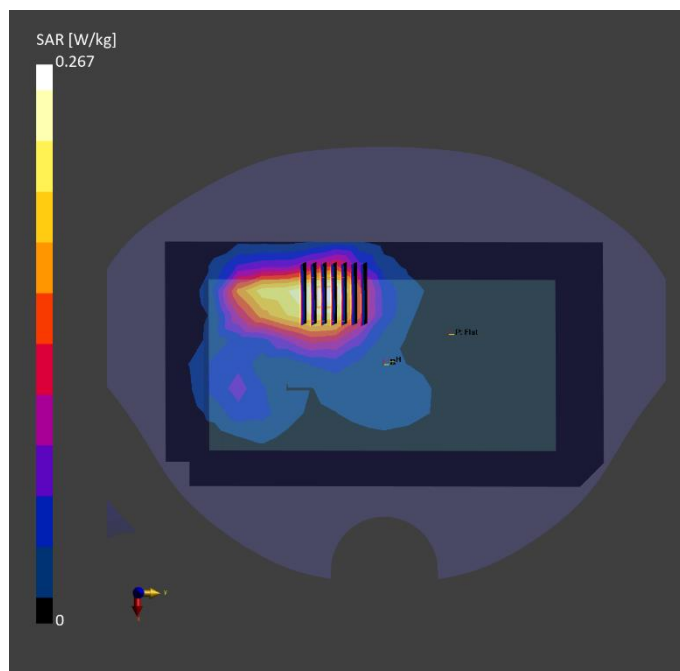
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.221         | <b>0.233</b>  |
| psSAR-10g [W/kg]   | 0.119         | <b>0.126</b>  |
| Power Drift [dB]   |               | 0.04          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 71.6          |
| Dist 3dB Peak [mm] |               | 13.2          |



Test Date : 2023-11-20 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**191\_NR Band n38\_DFT-S QPSK40M\_Rear Face\_10mm\_Ch519000\_1RB\_Offset1\_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 n38 | 5G NR FR1 TDD, 10903 - AAD | 2595.000, 519000                | 7.36              | 1.93                   | 38.0             |

**Hardware Setup**

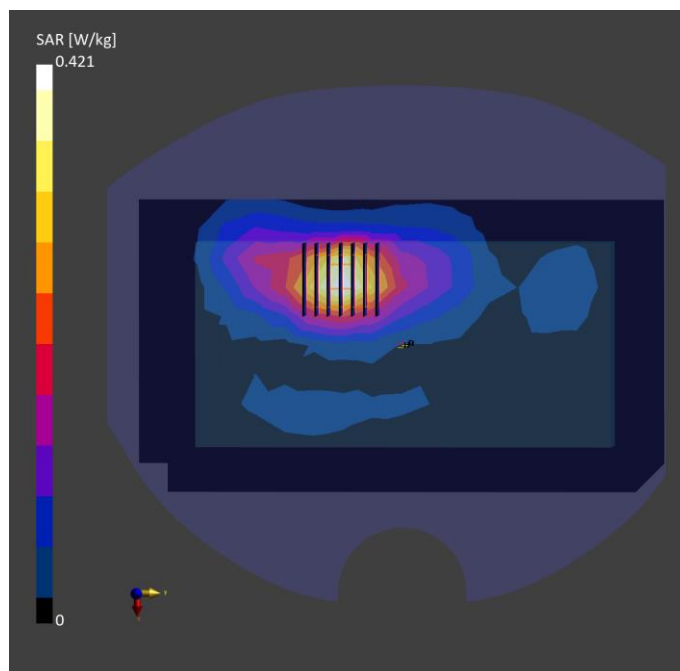
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756   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]    | 0.346         | <b>0.424</b>  |
| psSAR-10g [W/kg]   | 0.180         | <b>0.215</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 77.9          |
| Dist 3dB Peak [mm] |               | 11.5          |



Test Date : 2023-11-22 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

**Test Mode**

**192\_NR Band n41\_DFT-S QPSK100M\_Rear Face\_10mm\_Ch518598\_1RB\_Offset1\_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 n41 | 5G NR FR1 TDD, 10866 - AAF | 2592.990, 518598                | 7.36              | 1.99                   | 40.5             |

**Hardware Setup**

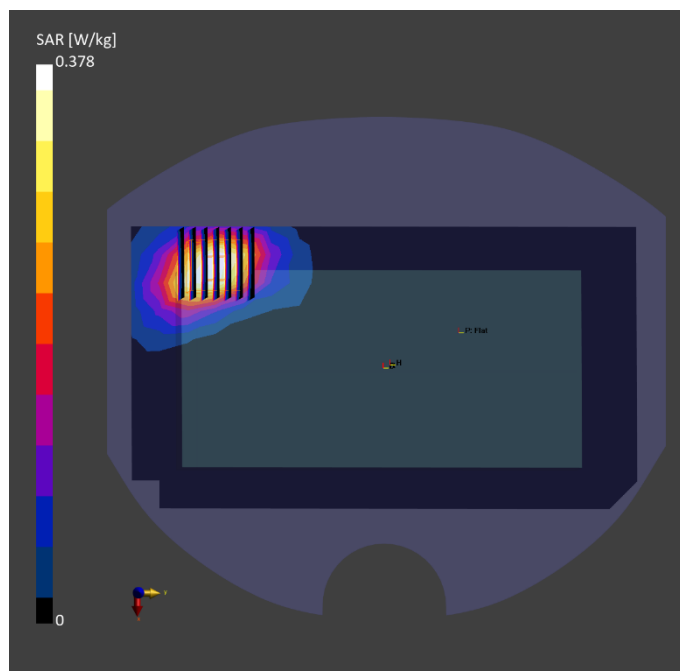
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.331         | <b>0.353</b>  |
| psSAR-10g [W/kg]   | 0.172         | <b>0.178</b>  |
| Power Drift [dB]   |               | 0.06          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 70.8          |
| Dist 3dB Peak [mm] |               | 11.2          |



Test Date : 2023-11-22 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

**Test Mode**

**193\_NR Band n41\_DFT-S QPSK100M\_Rear Face\_5mm\_Ch518598\_1RB\_Offset1\_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 n41 | 5G NR FR1 TDD, 10866 - AAF | 2592.990, 518598                | 7.36              | 1.99                   | 40.5             |

**Hardware Setup**

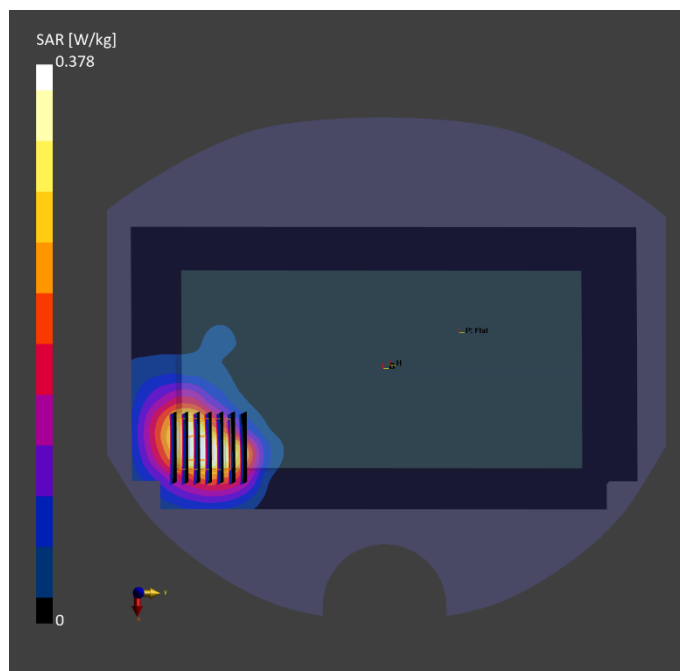
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.261         | <b>0.383</b>  |
| psSAR-10g [W/kg]   | 0.136         | <b>0.210</b>  |
| Power Drift [dB]   |               | -0.07         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 73.0          |
| Dist 3dB Peak [mm] |               | 14.2          |



Test Date : 2023-11-22 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

**Test Mode**

**194\_NR Band n41\_DFT-S QPSK100M\_Front Face\_5mm\_Ch518598\_1RB\_Offset1\_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 n41 | 5G NR FR1 TDD, 10866 - AAF | 2592.990, 518598                | 7.36              | 1.99                   | 40.5             |

**Hardware Setup**

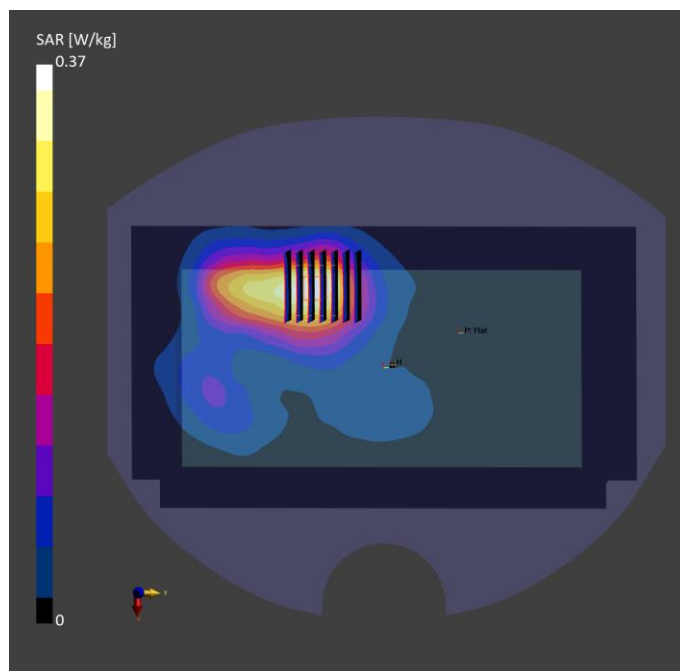
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.230         | <b>0.243</b>  |
| psSAR-10g [W/kg]   | 0.123         | <b>0.131</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 71.0          |
| Dist 3dB Peak [mm] |               | 13.0          |





Test Date : 2023-11-22 | Ambient Temp : 22.4 °C | Tissue Temp : 21.9 °C

**Test Mode**

**195\_NR Band n41\_DFT-S QPSK100M\_Rear Face\_10mm\_Ch518598\_1RB\_Offset1\_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 n41 | 5G NR FR1 TDD, 10866 - AAF | 2592.990, 518598                | 7.36              | 1.99                   | 40.5             |

**Hardware Setup**

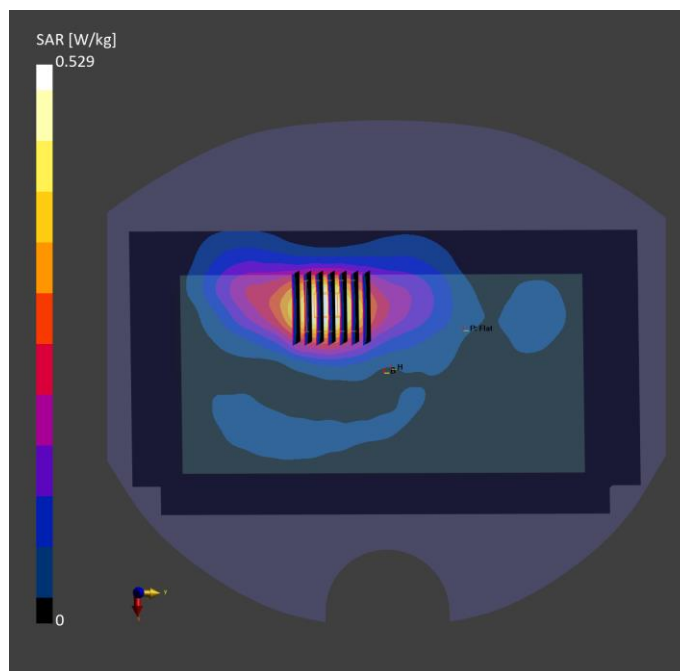
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7756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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 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]    | 0.313         | <b>0.331</b>  |
| psSAR-10g [W/kg]   | 0.163         | <b>0.169</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 67.7          |
| Dist 3dB Peak [mm] |               | 11.5          |



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**196\_NR Band n48\_DFT-S QPSK40M\_Rear Face\_5mm\_Ch642888\_1RB\_Offset1\_Ant 4\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n48 | 5G NR FR1 TDD, 10903 - AAB | 3643.320, 642888                | 6.87              | 2.86                   | 39.5             |

**Hardware Setup**

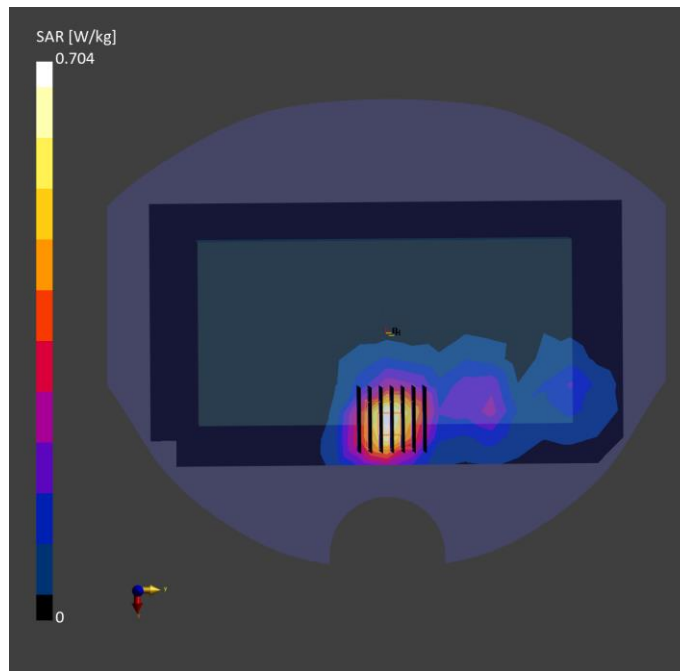
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.426         | <b>0.435</b>  |
| psSAR-10g [W/kg]   | 0.142         | <b>0.146</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.1          |
| Dist 3dB Peak [mm] |               | 12.6          |



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**197\_NR Band n48\_DFT-S QPSK40M\_Rear Face\_5mm\_Ch645332\_1RB\_Offset1\_Ant 5\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n48 | 5G NR FR1 TDD, 10903 - AAB | 3679.980, 645332                | 6.87              | 2.89                   | 39.4             |

**Hardware Setup**

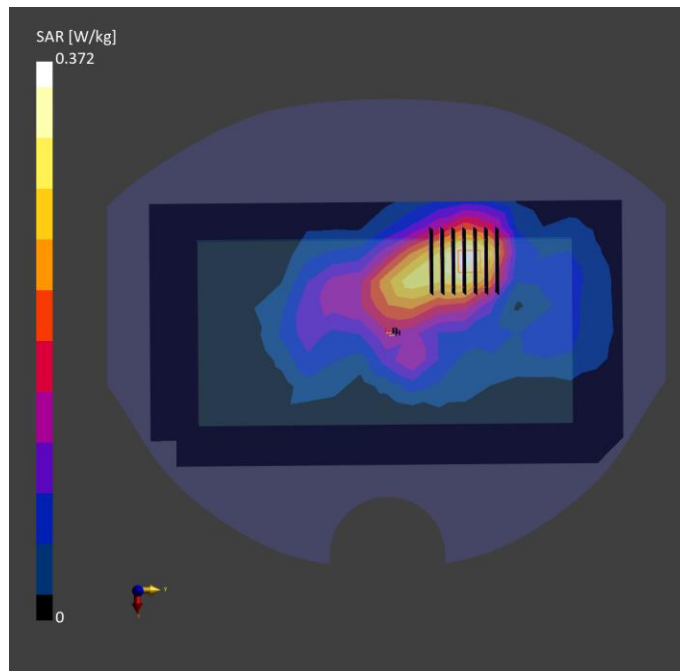
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.297         | <b>0.307</b>  |
| psSAR-10g [W/kg]   | 0.142         | <b>0.144</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.8          |
| Dist 3dB Peak [mm] |               | 14.9          |



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**198\_NR Band n48\_DFT-S QPSK40M\_Rear Face\_5mm\_Ch640444\_1RB\_Offset1\_Ant 6\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n48 | 5G NR FR1 TDD, 10903 - AAB | 3606.660, 640444                | 6.87              | 2.82                   | 39.5             |

**Hardware Setup**

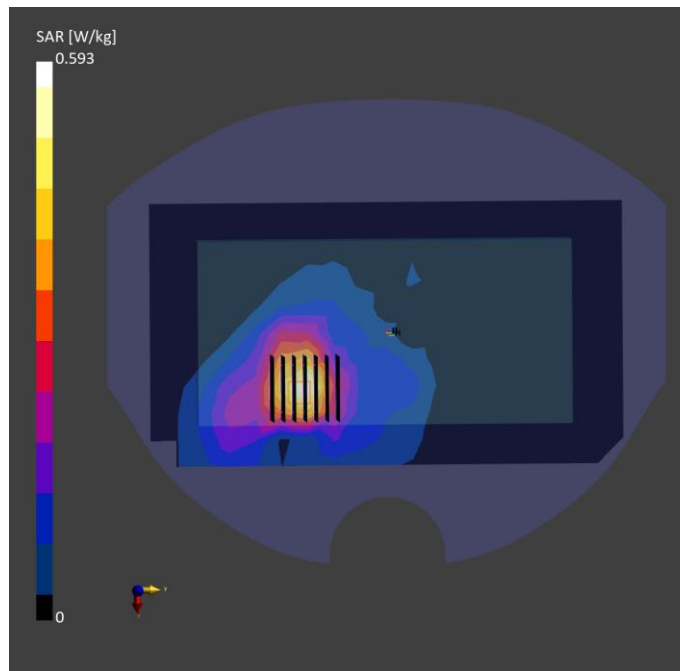
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.468         | <b>0.479</b>  |
| psSAR-10g [W/kg]   | 0.201         | <b>0.202</b>  |
| Power Drift [dB]   |               | 0.05          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 61.6          |
| Dist 3dB Peak [mm] |               | 11.0          |



Test Date : 2023-11-14 | Ambient Temp : 22.6 °C | Tissue Temp : 22.4 °C

**Test Mode**

**199\_NR Band n48\_DFT-S QPSK40M\_Rear Face\_5mm\_Ch638000\_1RB\_Offset1\_Ant 7\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n48 | 5G NR FR1 TDD, 10903 - AAB | 3570.000, 638000                | 6.87              | 2.78                   | 39.6             |

**Hardware Setup**

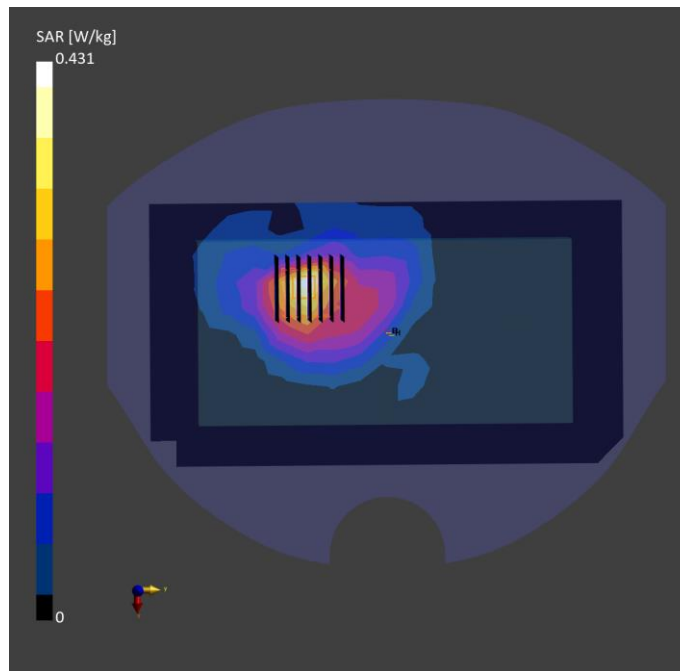
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.328         | <b>0.345</b>  |
| psSAR-10g [W/kg]   | 0.146         | <b>0.149</b>  |
| Power Drift [dB]   |               | 0.07          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 61.4          |
| Dist 3dB Peak [mm] |               | 10.2          |



Test Date : 2023-11-15 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

**Test Mode**

**200\_NR Band n77\_DFT-S QPSK100M\_Front Face\_5mm\_Ch645619\_1RB\_Offset1\_Ant 4\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n77 | 5G NR FR1 TDD, 10866 - AAF | 3684.300, 645619                | 6.68              | 2.83                   | 38.6             |

**Hardware Setup**

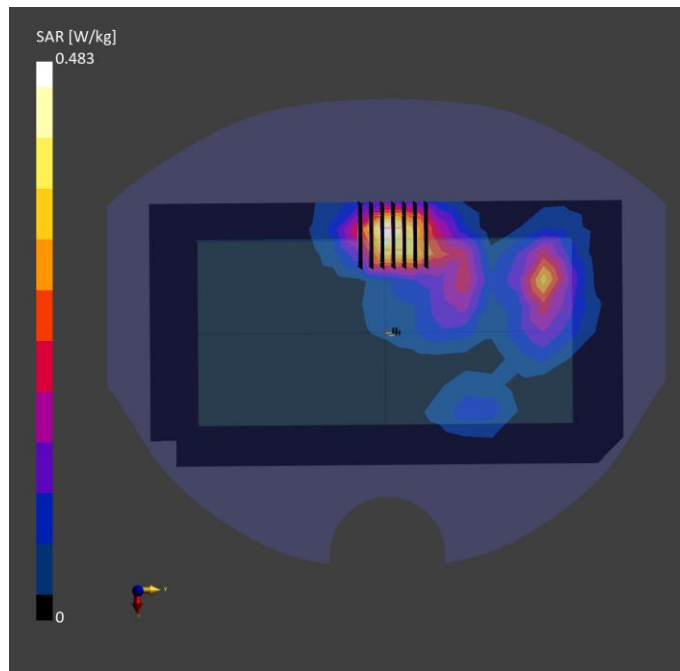
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.390         | <b>0.456</b>  |
| psSAR-10g [W/kg]   | 0.179         | <b>0.183</b>  |
| Power Drift [dB]   |               | -0.08         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 61.2          |
| Dist 3dB Peak [mm] |               | 7.3           |



Test Date : 2023-11-15 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

**Test Mode**

**201\_NR Band n77\_DFT-S QPSK100M\_Rear Face\_5mm\_Ch645619\_1RB\_Offset1\_Ant 5\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n77 | 5G NR FR1 TDD, 10866 - AAF | 3684.300, 645619                | 6.68              | 2.83                   | 38.6             |

**Hardware Setup**

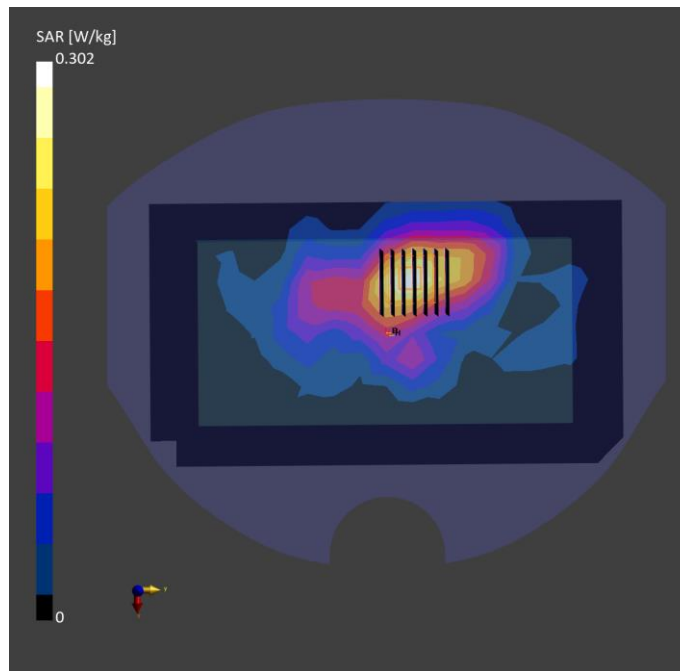
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.239         | <b>0.249</b>  |
| psSAR-10g [W/kg]   | 0.115         | <b>0.115</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 63.7          |
| Dist 3dB Peak [mm] |               | 14.9          |



Test Date : 2023-11-15 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

**Test Mode**

**202\_NR Band n77\_DFT-S QPSK100M\_Front Face\_5mm\_Ch649714\_1RB\_Offset1\_Ant 6\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n77 | 5G NR FR1 TDD, 10866 - AAF | 3745.710, 649714                | 6.68              | 2.89                   | 38.6             |

**Hardware Setup**

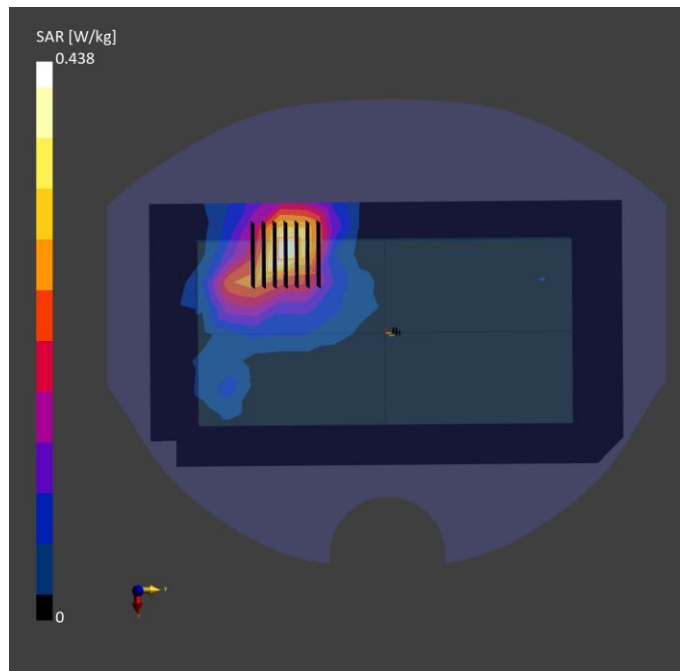
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.346         | <b>0.362</b>  |
| psSAR-10g [W/kg]   | 0.164         | <b>0.158</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 59.6          |
| Dist 3dB Peak [mm] |               | 12.1          |





Test Date : 2023-11-15 | Ambient Temp : 22.5 °C | Tissue Temp : 22.1 °C

**Test Mode**

**203\_NR Band n77\_DFT-S QPSK100M\_Rear Face\_5mm\_Ch645619\_1RB\_Offset1\_Ant 7\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n77 | 5G NR FR1 TDD, 10866 - AAF | 3684.300, 645619                | 6.68              | 2.83                   | 38.6             |

**Hardware Setup**

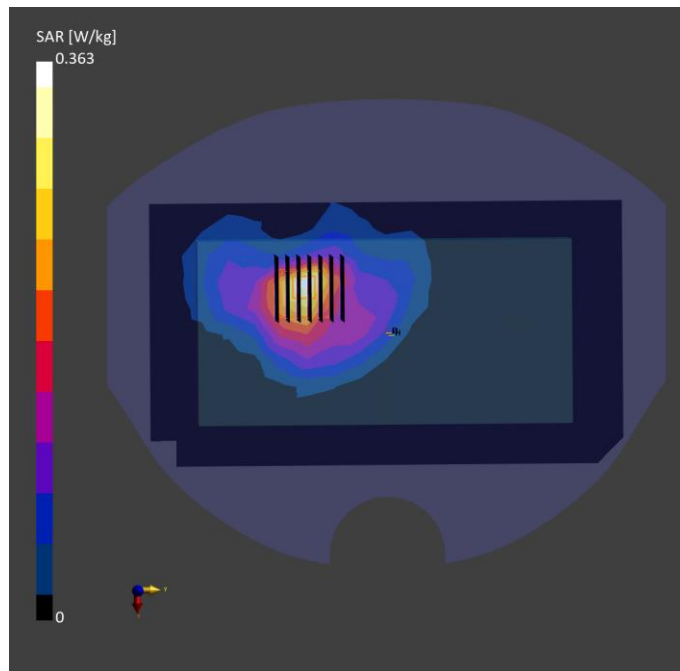
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.281         | <b>0.292</b>  |
| psSAR-10g [W/kg]   | 0.127         | <b>0.124</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.0          |
| Dist 3dB Peak [mm] |               | 10.3          |



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

**Test Mode**

**204\_NR Band n78\_DFT-S QPSK100M\_Front Face\_10mm\_Ch637430\_1RB\_Offset1\_Ant 4\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n78 | 5G NR FR1 TDD, 10866 - AAF | 3561.450, 637430                | 6.68              | 2.78                   | 39.3             |

**Hardware Setup**

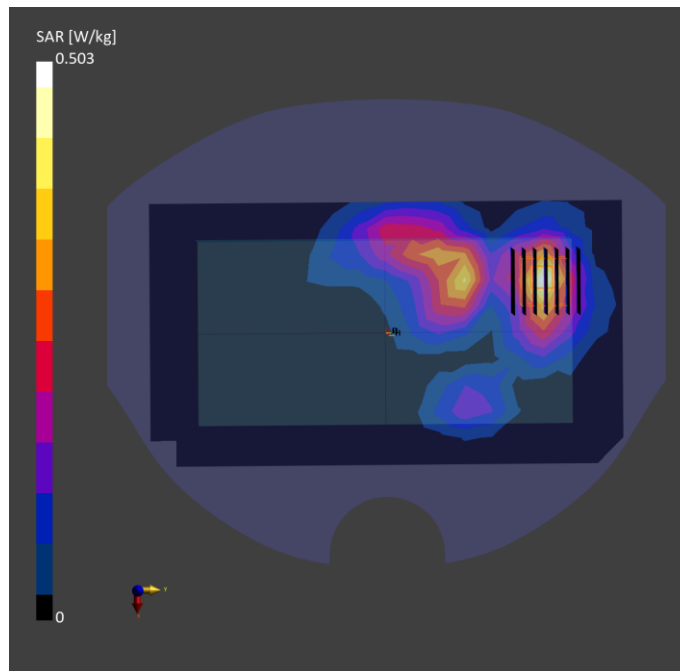
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.376         | <b>0.389</b>  |
| psSAR-10g [W/kg]   | 0.165         | <b>0.171</b>  |
| Power Drift [dB]   |               | 0.03          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 63.5          |
| Dist 3dB Peak [mm] |               | 11.1          |



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

**Test Mode**

**205\_NR Band n78\_DFT-S QPSK100M\_Front Face\_5mm\_Ch633334\_1RB\_Offset1\_Ant 5\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n78 | 5G NR FR1 TDD, 10866 - AAF | 3500.010, 633334                | 6.68              | 2.73                   | 39.4             |

**Hardware Setup**

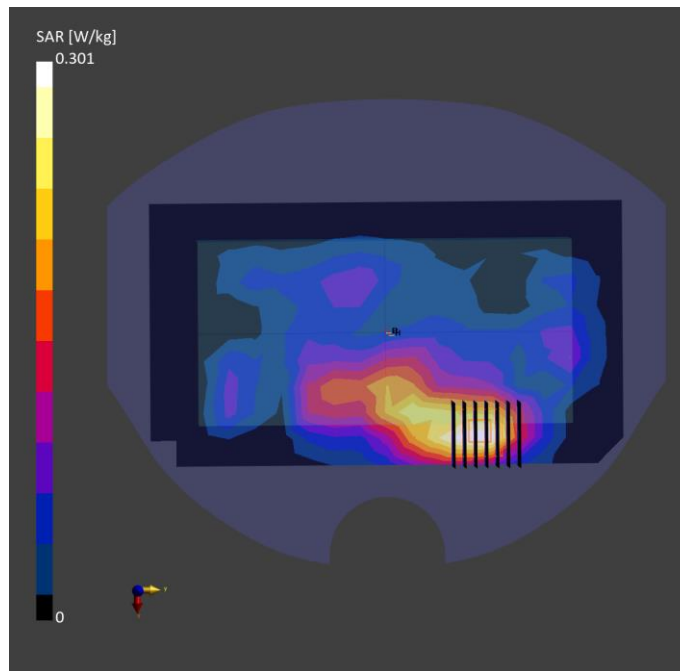
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.248         | <b>0.265</b>  |
| psSAR-10g [W/kg]   | 0.121         | <b>0.117</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 64.3          |
| Dist 3dB Peak [mm] |               | 12.0          |



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

**Test Mode**

**206\_NR Band n78\_DFT-S QPSK100M\_Rear Face\_5mm\_Ch637430\_1RB\_Offset1\_Ant 6\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n78 | 5G NR FR1 TDD, 10866 - AAF | 3561.450, 637430                | 6.68              | 2.78                   | 39.3             |

**Hardware Setup**

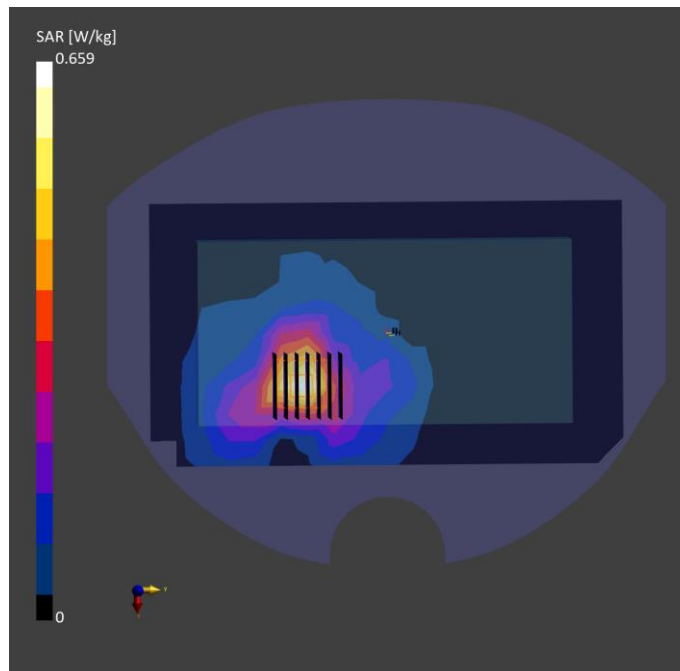
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.471         | <b>0.473</b>  |
| psSAR-10g [W/kg]   | 0.168         | <b>0.174</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.9          |
| Dist 3dB Peak [mm] |               | 11.1          |



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

**Test Mode**

**207\_NR Band n78\_DFT-S QPSK100M\_Rear Face\_5mm\_Ch633334\_1RB\_Offset1\_Ant 7\_w/o**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID                 | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|----------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band n78 | 5G NR FR1 TDD, 10866 - AAF | 3500.010, 633334                | 6.68              | 2.73                   | 39.4             |

**Hardware Setup**

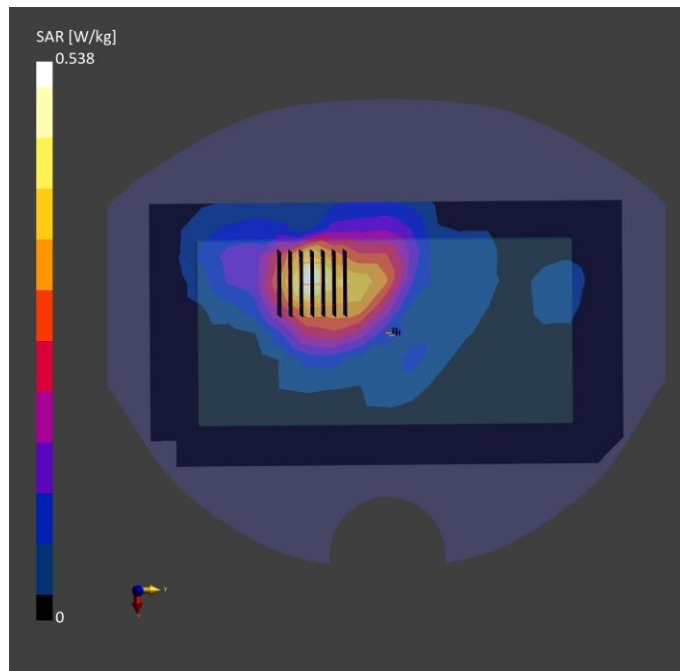
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2101 | HBBL-600-10000           | EX3DV4 - SN7737   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]    | 0.424         | <b>0.465</b>  |
| psSAR-10g [W/kg]   | 0.205         | <b>0.210</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.3          |
| Dist 3dB Peak [mm] |               | 10.2          |



Test Date : 2023-10-11 | Ambient Temp : 22.6 °C | Tissue Temp : 21.7 °C

**Test Mode**

**162\_WLAN 2.4G\_802.11b\_Rear Face\_5mm\_Ch6\_Ant 1\_w/**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band        | Group, UID        | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|-------------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | WLAN 2.4GHz | WLAN, 10012 - CAB | 2437.000, 6                     | 7.05              | 1.82                   | 40.0             |

**Hardware Setup**

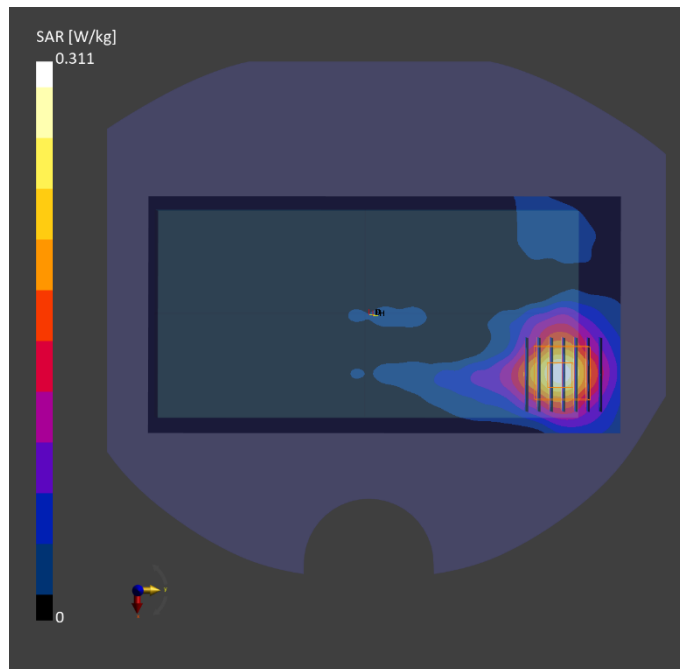
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 96.0 x 192.0 | 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]    | 0.289         | <b>0.308</b>  |
| psSAR-10g [W/kg]   | 0.143         | <b>0.179</b>  |
| Power Drift [dB]   |               | -0.04         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.8          |
| Dist 3dB Peak [mm] |               | 12.1          |



Test Date : 2023-10-11 | Ambient Temp : 22.6 °C | Tissue Temp : 21.7 °C

**Test Mode**

**163\_WLAN 5.3G\_802.11ac VHT160\_Rear Face\_5mm\_Ch50\_Ant 2\_w/**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band      | Group, UID        | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|-----------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | WLAN 5GHz | WLAN, 10554 - AAD | 5250.000, 50                    | 5.02              | 4.41                   | 35.6             |

**Hardware Setup**

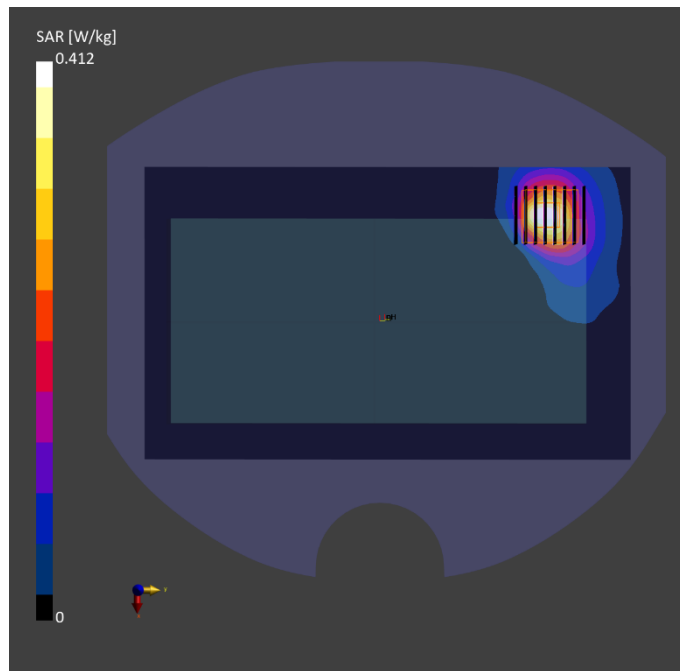
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 200.0 | 24.0 x 24.0 x 22.0 |
| Grid Steps [mm]     | 10.0 x 10.0   | 4.0 x 4.0 x 1.4    |
| Sensor Surface [mm] | 3.0           | 1.4                |
| Graded Grid         | N/A           | Yes                |
| Grading Ratio       | N/A           | 1.4                |

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.366         | <b>0.395</b>  |
| psSAR-10g [W/kg]   | 0.135         | <b>0.127</b>  |
| Power Drift [dB]   |               | -0.16         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 63.0          |
| Dist 3dB Peak [mm] |               | 10.2          |



Test Date : 2023-10-11 | Ambient Temp : 22.6 °C | Tissue Temp : 21.7 °C

**Test Mode**

**164\_WLAN 5.6G\_802.11ac VHT160\_Rear Face\_5mm\_Ch114\_Ant 1\_w/**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band      | Group, UID        | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|-----------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | WLAN 5GHz | WLAN, 10554 - AAD | 5570.000, 114                   | 4.29              | 4.74                   | 35.1             |

**Hardware Setup**

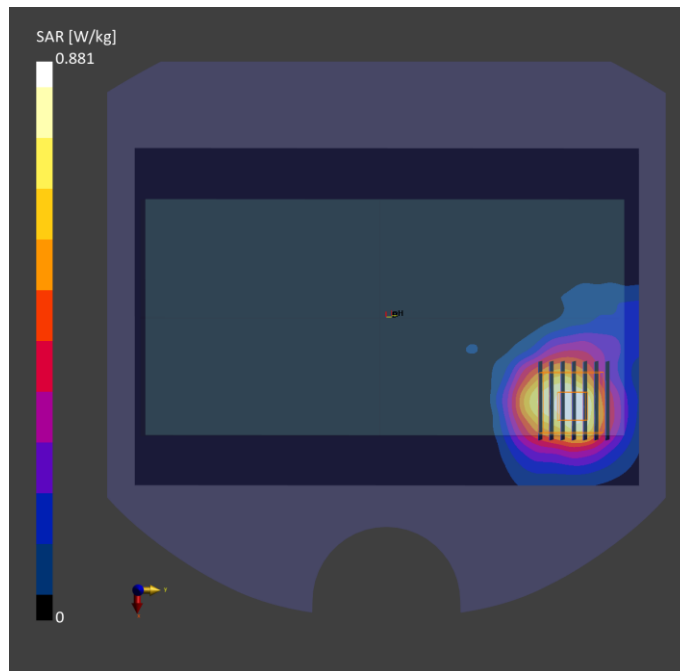
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 180.0 | 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]    | 0.377         | <b>0.392</b>  |
| psSAR-10g [W/kg]   | 0.157         | <b>0.150</b>  |
| Power Drift [dB]   |               | -0.13         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 62.6          |
| Dist 3dB Peak [mm] |               | 12.0          |





Test Date : 2023-10-11 | Ambient Temp : 22.6 °C | Tissue Temp : 21.7 °C

**Test Mode**

**166\_WLAN 5.8G\_802.11ac VHT160\_Rear Face\_5mm\_Ch163\_Ant 2\_w/**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band      | Group, UID        | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|-----------|-------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | WLAN 5GHz | WLAN, 10554 - AAD | 5815.000, 163                   | 4.36              | 4.99                   | 34.7             |

**Hardware Setup**

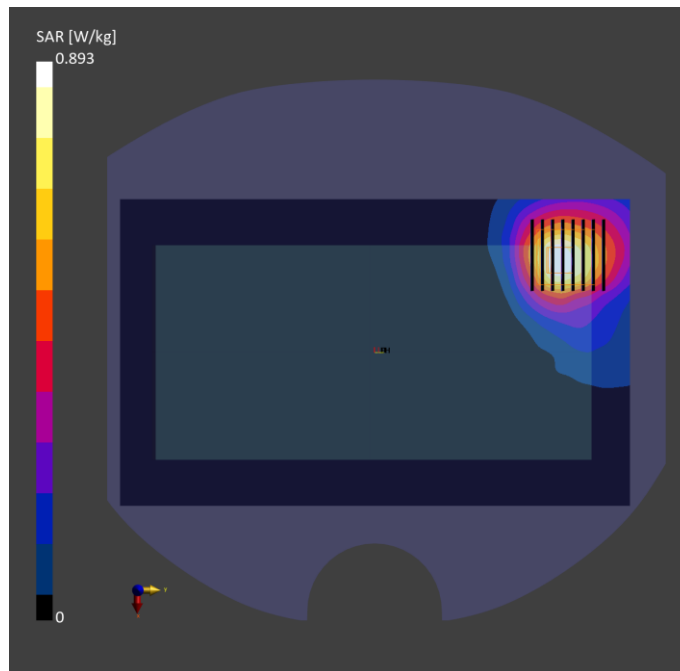
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 120.0 x 180.0 | 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]    | 0.396         | <b>0.387</b>  |
| psSAR-10g [W/kg]   | 0.162         | <b>0.150</b>  |
| Power Drift [dB]   |               | -0.06         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 69.1          |
| Dist 3dB Peak [mm] |               | 13.2          |



Test Date : 2023-10-11 | Ambient Temp : 22.6 °C | Tissue Temp : 21.7 °C

**Test Mode**

**167\_BT\_BDR\_Rear Face\_5mm\_Ch39\_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            | XASB4HB3300075     | Phone    |

**Exposure Conditions**

| Phantom Section | Band             | Group, UID             | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|------------------|------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | ISM 2.4 GHz Band | Bluetooth, 10032 - CAA | 2441.000, 39                    | 7.05              | 1.83                   | 40.0             |

**Hardware Setup**

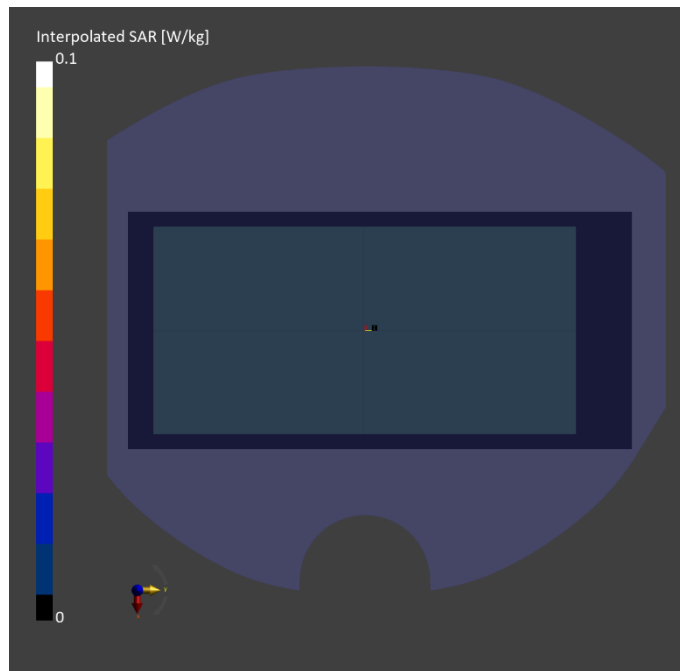
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan    | Zoom Scan |
|---------------------|--------------|-----------|
| Grid Extents [mm]   | 96.0 x 192.0 | x x       |
| Grid Steps [mm]     | 12.0 x 12.0  | 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 : 2023-10-11 | Ambient Temp : 22.6 °C | Tissue Temp : 21.7 °C

**Test Mode**

**167\_BT\_BDR\_Rear Face\_5mm\_Ch39\_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            | XASB4HB3300075     | Phone    |

**Exposure Conditions**

| Phantom Section | Band             | Group, UID             | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|------------------|------------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | ISM 2.4 GHz Band | Bluetooth, 10032 - CAA | 2441.000, 39                    | 7.05              | 1.83                   | 40.0             |

**Hardware Setup**

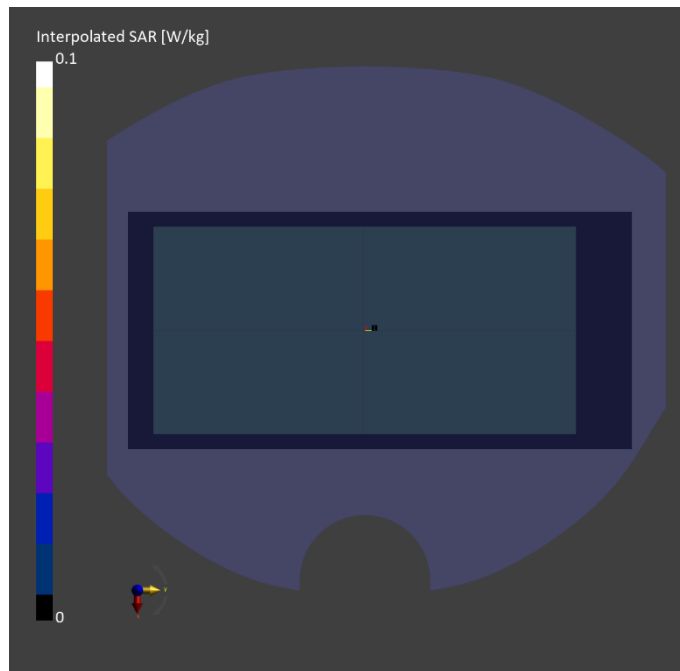
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan    | Zoom Scan |
|---------------------|--------------|-----------|
| Grid Extents [mm]   | 96.0 x 192.0 | x x       |
| Grid Steps [mm]     | 12.0 x 12.0  | 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 : 22.8 °C | Tissue Temp : 21.9 °C

**Test Mode**

**169\_UNII-5\_802.11ax\_HE160\_Rear Face\_5mm\_Ch79\_Ant 1+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            | XASB4HB3300020     | Phone    |

**Exposure Conditions**

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

**Hardware Setup**

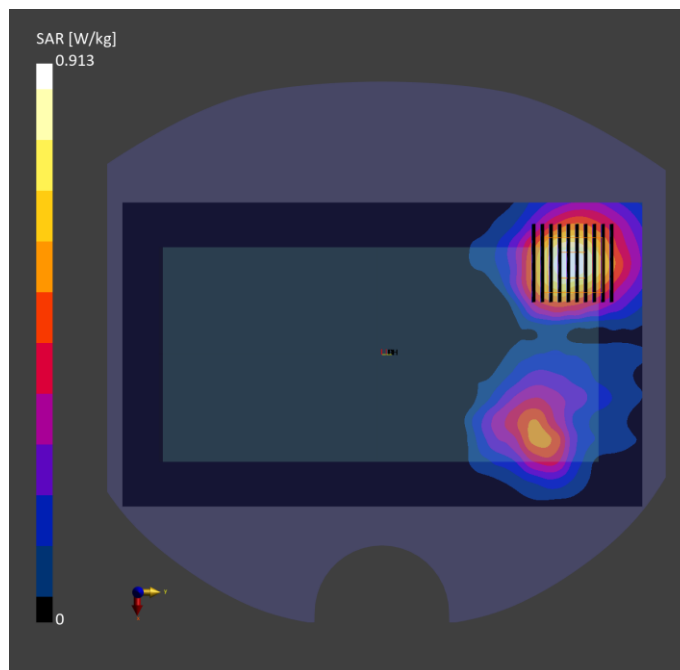
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 119.0 x 187.0 | 23.8 x 23.8 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]                                      | 0.355         | <b>0.374</b>  |
| psSAR-10g [W/kg]                                     | 0.146         | <b>0.156</b>  |
| psAPD (1.0 cm <sup>2</sup> , sq) [W/m <sup>2</sup> ] |               | <b>3.74</b>   |
| psAPD (4.0 cm <sup>2</sup> , sq) [W/m <sup>2</sup> ] |               | <b>3.44</b>   |
| Power Drift [dB]                                     |               | 0.14          |
| TSL Correction                                       | Positive only | Positive only |
| M2 / M1 [%]  |               | 65.4          |
| Dist 3dB Peak [mm]                                   |               | 11.0          |



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

**Test Mode**

**169\_UNII-5\_802.11ax\_HE160\_Rear Face\_5mm\_Ch79\_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 |
|-----------------|---------|-------------------|---------------------------------|-------------------|
| 5G              | U-NII-5 | WLAN, 10755 - AAC | 6345.0, 79                      | 1.0               |

**Hardware Setup**

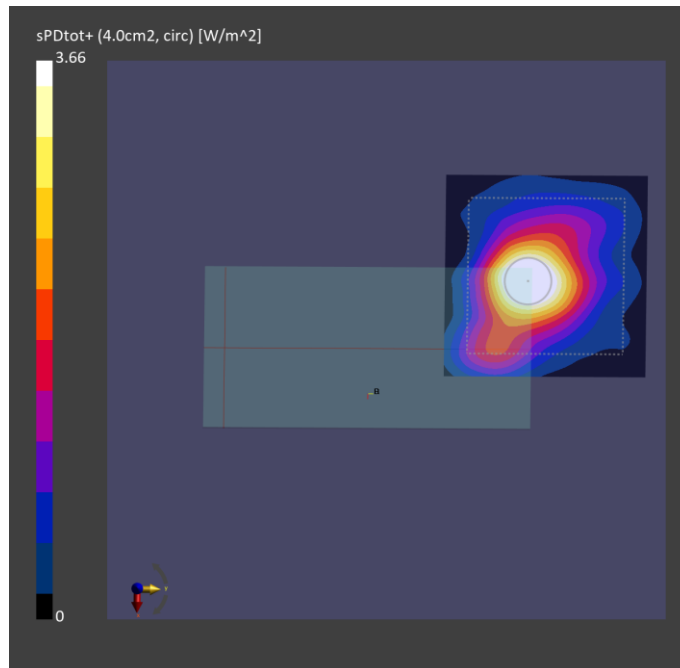
| Phantom       | Medium | Probe   Calibration Date               | DAE   Calibration Date   |
|---------------|--------|--|--------------------------|
| mmWave - 1102 | Air    | EUmmWV3 - SN9403_F1-55GHz / 2022-12-07 | DAE4 Sn1669 / 2023-05-23 |

**Scan Setup**

|                     | 5G Scan         |
|---------------------|-----------------|
| Grid Extents [mm]   | 95.0 x 95.0     |
| Grid Steps [mm]     | 0.0529 x 0.0529 |
| Sensor Surface [mm] | 5.0             |

**Measurement Results**

|                               | 5G Scan     |
|-------------------------------|-------------|
| Avg. Area [cm <sup>2</sup> ]  | 4.00        |
| psPD n+ [W/m <sup>2</sup> ]   | <b>3.21</b> |
| psPD tot+ [W/m <sup>2</sup> ] | <b>3.66</b> |
| psPD mod+ [W/m <sup>2</sup> ] | 4.05        |
| E max [V/m]                   | 54.3        |
| Power Drift [dB]              | -0.05       |



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

**Test Mode**

**1\_GSM850\_GPRS 12\_Rear Face\_10mm\_Ch251\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID       | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | GSM 850 | GSM, 10028 - DAC | 848.800, 251                    | 10.38             | 0.889                  | 42.4             |

**Hardware Setup**

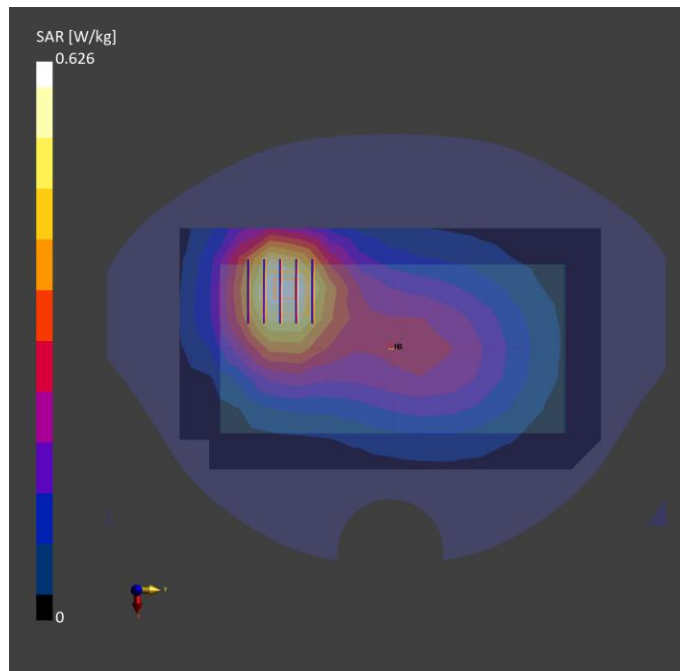
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 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]    | 0.586         | <b>0.572</b>  |
| psSAR-10g [W/kg]   | 0.395         | <b>0.403</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.8          |
| Dist 3dB Peak [mm] |               | > 16.0        |



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

**Test Mode**

**2\_GSM850\_GPRS 12\_Left Side\_10mm\_Ch128\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID       | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | GSM 850 | GSM, 10028 - DAC | 824.200, 128                    | 10.38             | 0.881                  | 42.5             |

**Hardware Setup**

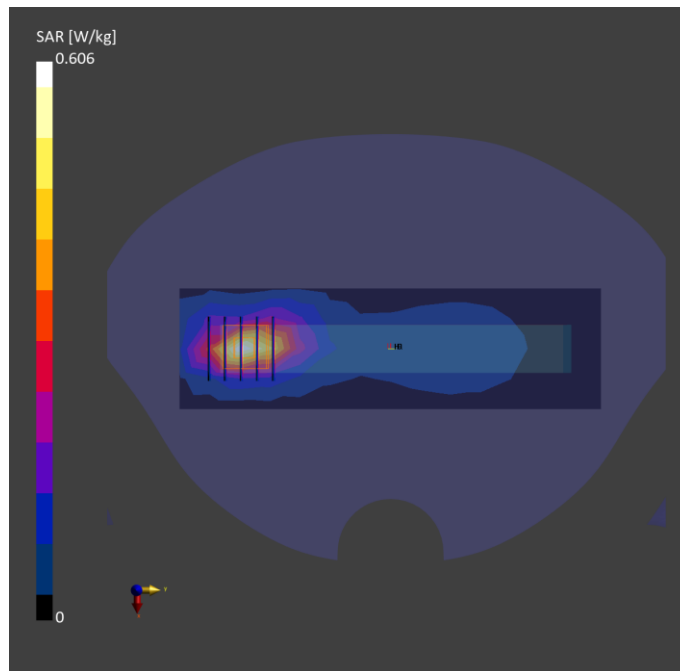
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.503         | <b>0.494</b>  |
| psSAR-10g [W/kg]   | 0.285         | <b>0.266</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 52.4          |
| Dist 3dB Peak [mm] |               | 10.2          |



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

**Test Mode**

**3\_GSM1900\_GPRS 10\_Right Side\_10mm\_Ch810\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID       | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | PCS 1900 | GSM, 10024 - DAC | 1909.800, 810                   | 8.64              | 1.39                   | 37.2             |

**Hardware Setup**

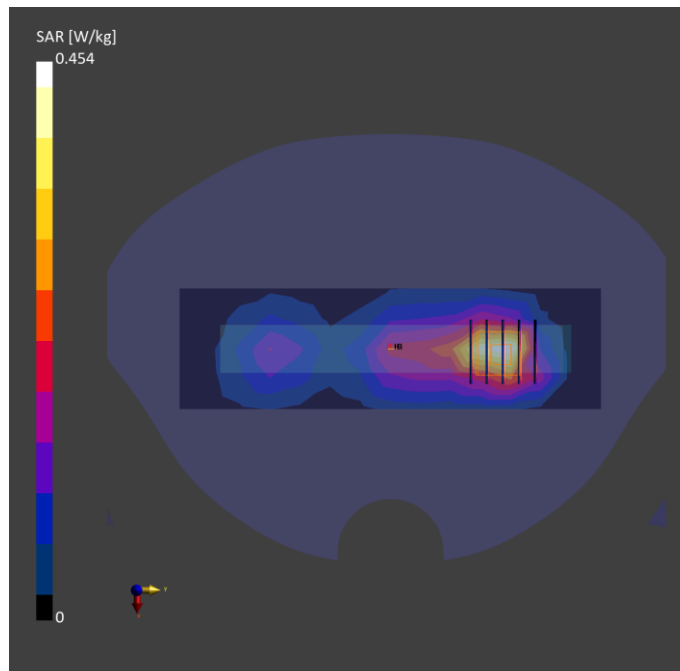
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.386         | <b>0.404</b>  |
| psSAR-10g [W/kg]   | 0.211         | <b>0.222</b>  |
| Power Drift [dB]   |               | 0.02          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 53.7          |
| Dist 3dB Peak [mm] |               | 12.9          |





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

**Test Mode**

**4\_GSM1900\_GPRS 10\_Left Side\_10mm\_Ch810\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID       | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | PCS 1900 | GSM, 10024 - DAC | 1909.800, 810                   | 8.64              | 1.39                   | 37.2             |

**Hardware Setup**

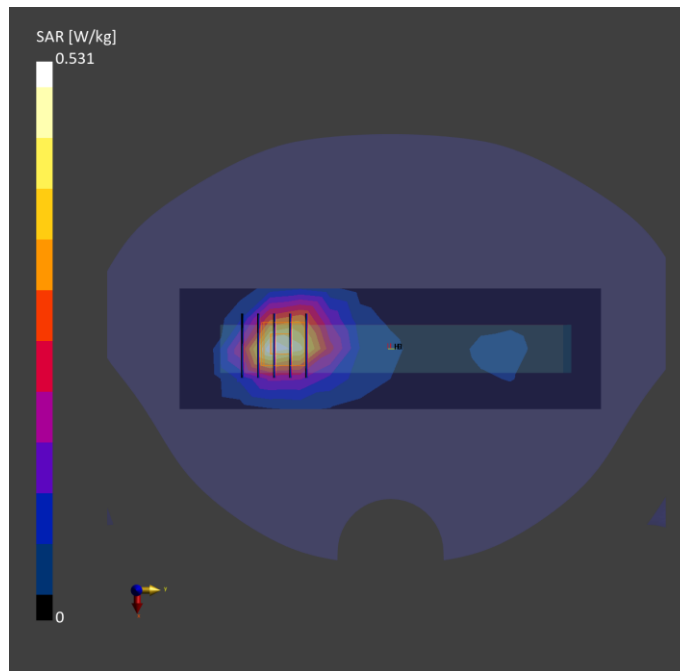
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.451         | <b>0.467</b>  |
| psSAR-10g [W/kg]   | 0.250         | <b>0.263</b>  |
| Power Drift [dB]   |               | -0.14         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 56.2          |
| Dist 3dB Peak [mm] |               | 13.7          |



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

**Test Mode**

**5\_GSM1900\_GPRS 10\_Left Side\_10mm\_Ch512\_Ant 2**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID       | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | PCS 1900 | GSM, 10024 - DAC | 1850.200, 512                   | 8.64              | 1.36                   | 37.3             |

**Hardware Setup**

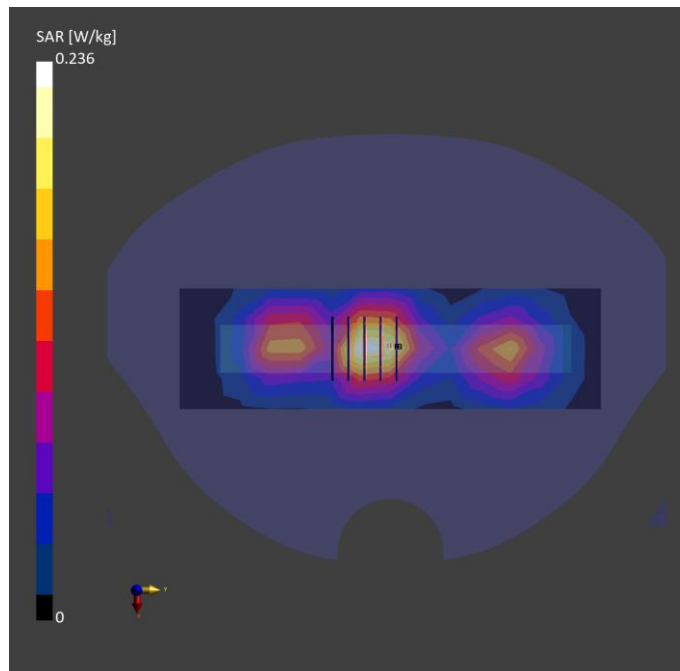
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.202         | <b>0.215</b>  |
| psSAR-10g [W/kg]   | 0.114         | <b>0.123</b>  |
| Power Drift [dB]   |               | 0.04          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 55.7          |
| Dist 3dB Peak [mm] |               | 16.5          |



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

**Test Mode**

**6\_GSM1900\_GPRS 12\_Right Side\_10mm\_Ch810\_Ant 3**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band     | Group, UID       | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|----------|------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | PCS 1900 | GSM, 10028 - DAC | 1909.800, 810                   | 8.64              | 1.39                   | 37.2             |

**Hardware Setup**

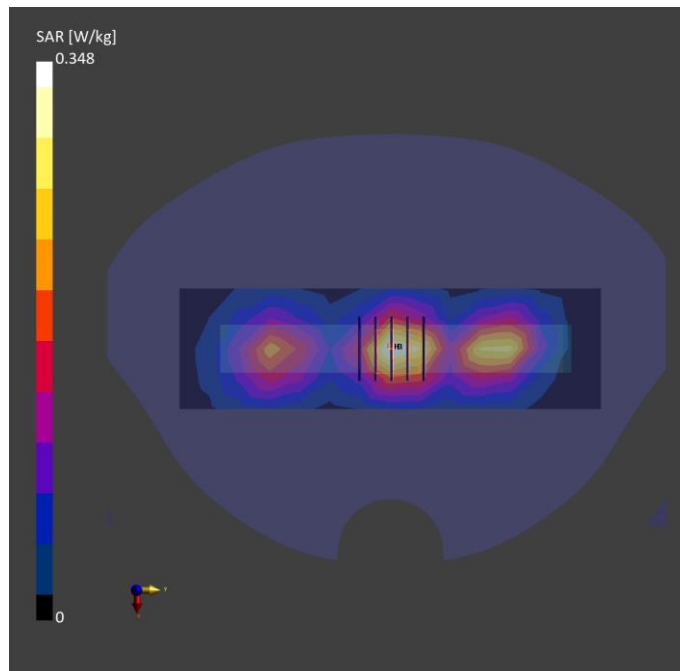
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.290         | <b>0.315</b>  |
| psSAR-10g [W/kg]   | 0.161         | <b>0.176</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 55.1          |
| Dist 3dB Peak [mm] |               | 15.8          |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**7\_WCDMA Band II\_RMC12.2K\_Right Side\_10mm\_Ch9400\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 2 | WCDMA, 10011 - CAC | 1880.000, 9400                  | 8.64              | 1.37                   | 37.3             |

**Hardware Setup**

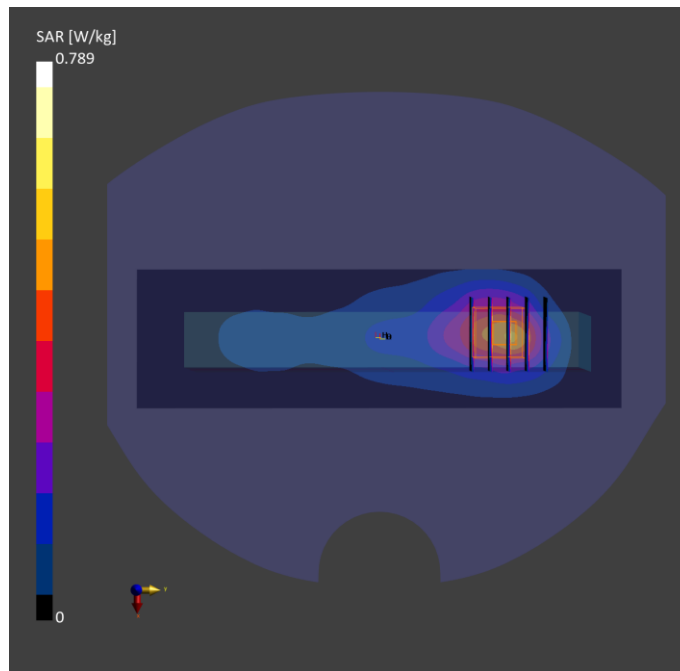
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.516         | <b>0.526</b>  |
| psSAR-10g [W/kg]   | 0.283         | <b>0.292</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 54.6          |
| Dist 3dB Peak [mm] |               | 12.8          |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**8\_WCDMA Band II\_RMC12.2K\_Left Side\_10mm\_Ch9262\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 2 | WCDMA, 10011 - CAC | 1852.400, 9262                  | 8.64              | 1.36                   | 37.3             |

**Hardware Setup**

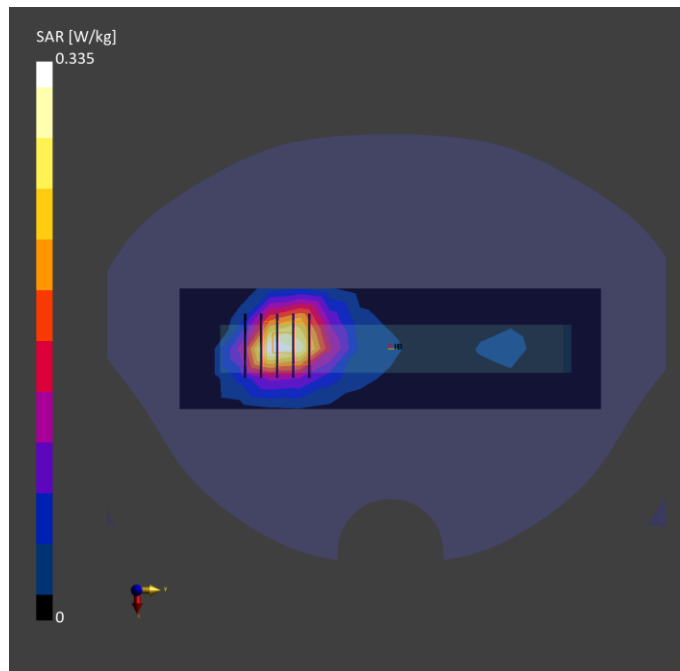
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.290         | <b>0.301</b>  |
| psSAR-10g [W/kg]   | 0.162         | <b>0.169</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 55.4          |
| Dist 3dB Peak [mm] |               | 13.8          |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**9\_WCDMA Band II\_RMC12.2K\_Left Side\_10mm\_Ch9262\_Ant 2**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 2 | WCDMA, 10011 - CAC | 1852.400, 9262                  | 8.64              | 1.36                   | 37.3             |

**Hardware Setup**

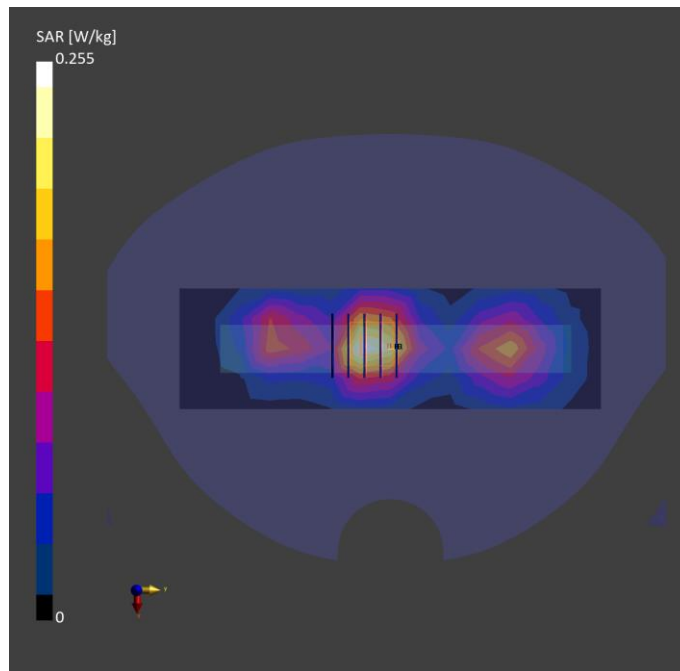
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.217         | <b>0.232</b>  |
| psSAR-10g [W/kg]   | 0.122         | <b>0.134</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 57.1          |
| Dist 3dB Peak [mm] |               | 16.1          |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**10\_WCDMA Band II\_RMC12.2K\_Right Side\_10mm\_Ch9538\_Ant 3**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 2 | WCDMA, 10011 - CAC | 1907.600, 9538                  | 8.64              | 1.39                   | 37.2             |

**Hardware Setup**

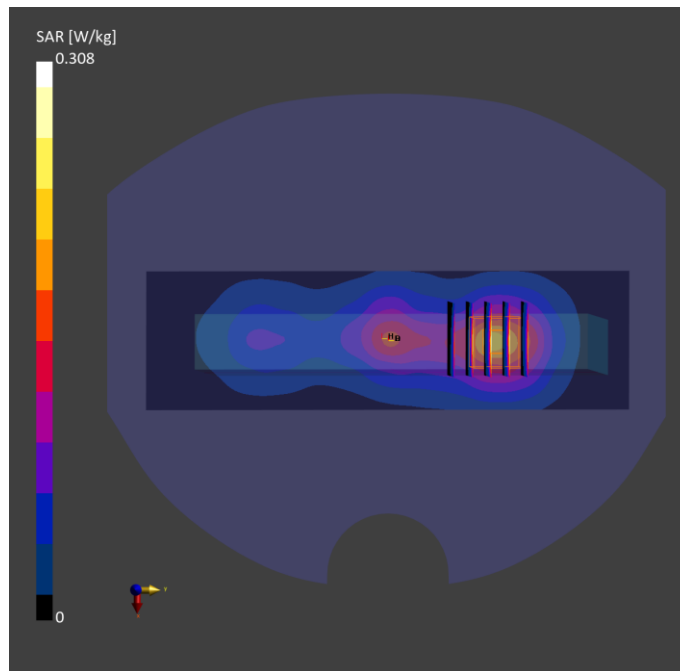
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.206         | <b>0.216</b>  |
| psSAR-10g [W/kg]   | 0.114         | <b>0.126</b>  |
| Power Drift [dB]   |               | 0.04          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 58.2          |
| Dist 3dB Peak [mm] |               | 14.8          |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**11\_WCDMA Band IV\_RMC12.2K\_Right Side\_10mm\_Ch1413\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 4 | WCDMA, 10011 - CAC | 1732.600, 1413                  | 8.96              | 1.30                   | 37.5             |

**Hardware Setup**

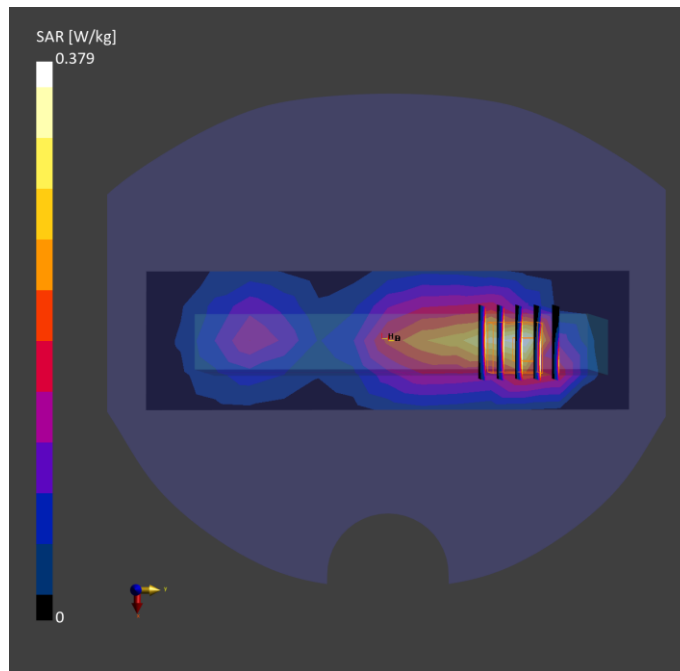
| Phantom                                 | Tissue Simulating Liquid | Probe / Calibration Date     | DAE / Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.317         | <b>0.332</b>  |
| psSAR-10g [W/kg]   | 0.174         | <b>0.178</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 53.6          |
| Dist 3dB Peak [mm] |               | 10.8          |





Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**12\_WCDMA Band IV\_RMC12.2K\_Left Side\_10mm\_Ch1312\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 4 | WCDMA, 10011 - CAC | 1712.400, 1312                  | 8.96              | 1.32                   | 42.0             |

**Hardware Setup**

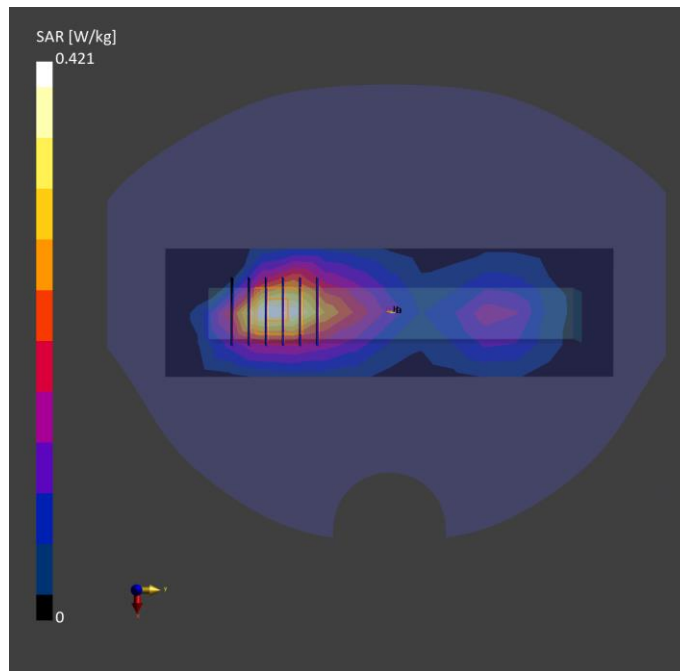
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.374         | <b>0.381</b>  |
| psSAR-10g [W/kg]   | 0.211         | <b>0.217</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 57.9          |
| Dist 3dB Peak [mm] |               | 12.9          |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**13\_WCDMA Band IV\_RMC12.2K\_Left Side\_10mm\_Ch1513\_Ant 2**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 4 | WCDMA, 10011 - CAC | 1752.600, 1513                  | 8.96              | 1.31                   | 37.5             |

**Hardware Setup**

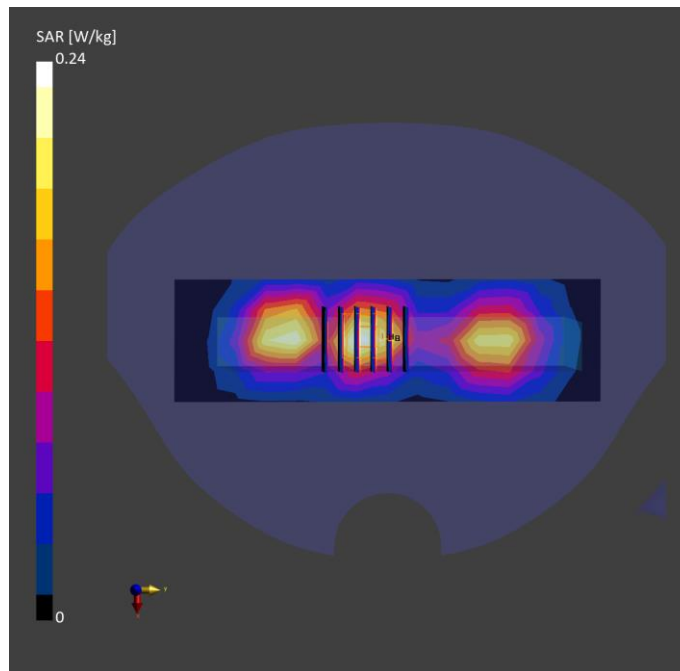
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.202         | <b>0.215</b>  |
| psSAR-10g [W/kg]   | 0.113         | <b>0.122</b>  |
| Power Drift [dB]   |               | -0.11         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 56.8          |
| Dist 3dB Peak [mm] |               | 15.8          |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**14\_WCDMA Band IV\_RMC12.2K\_Right Side\_10mm\_Ch1513\_Ant 3**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 4 | WCDMA, 10011 - CAC | 1752.600, 1513                  | 8.96              | 1.31                   | 37.5             |

**Hardware Setup**

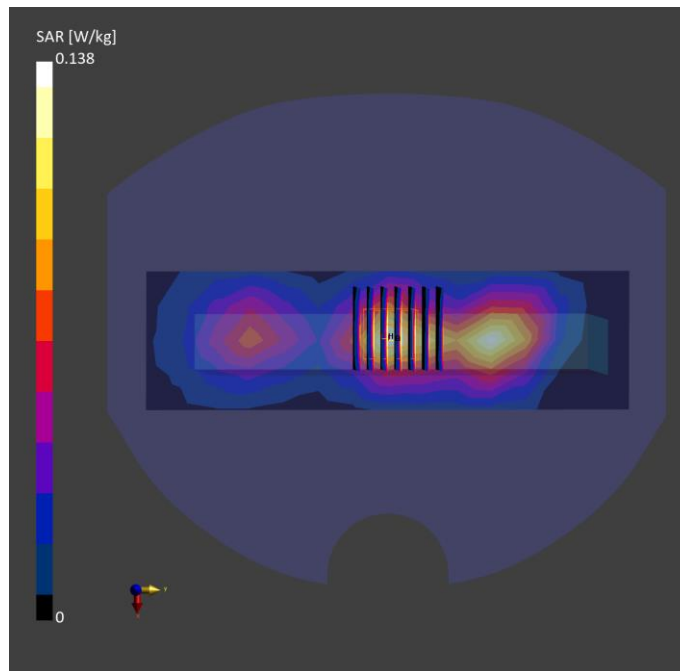
| Phantom                                 | Tissue Simulating Liquid | Probe / Calibration Date     | DAE / Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 60.0 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm]     | 15.0 x 15.0  | 6.0 x 6.0 x 1.5    |
| Sensor Surface [mm] | 3.0          | 1.4                |
| Graded Grid         | N/A          | Yes                |
| Grading Ratio       | N/A          | 1.5                |

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.115         | <b>0.125</b>  |
| psSAR-10g [W/kg]   | 0.064         | <b>0.069</b>  |
| Power Drift [dB]   |               | 0.01          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 82.1          |
| Dist 3dB Peak [mm] |               | 14.1          |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**15\_WCDMA Band V\_RMC12.2K\_Rear Face\_10mm\_Ch4182\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 5 | WCDMA, 10011 - CAC | 836.400, 4182                   | 10.38             | 0.900                  | 39.5             |

**Hardware Setup**

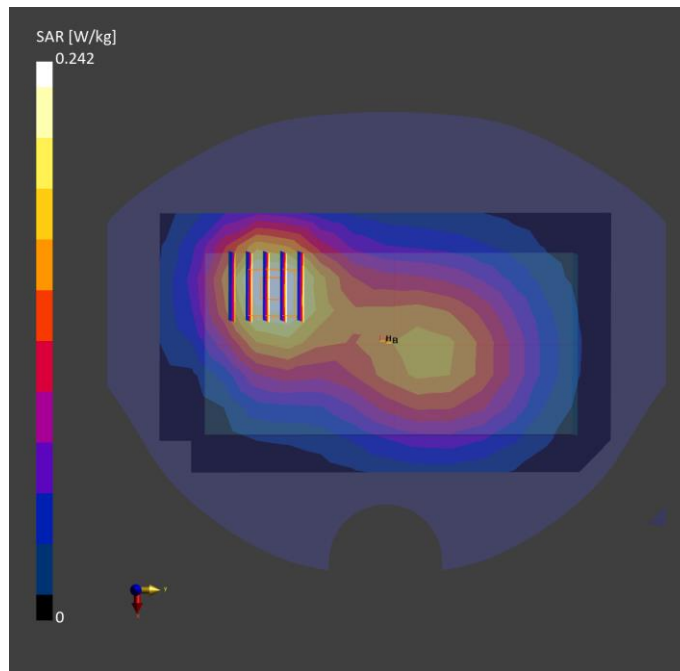
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 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         | <b>0.227</b>  |
| psSAR-10g [W/kg]   | 0.152         | <b>0.155</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 66.9          |
| Dist 3dB Peak [mm] |               | > 16.0        |



Test Date : 2023-11-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8 °C

**Test Mode**

**16\_WCDMA Band V\_RMC12.2K\_Left Side\_10mm\_Ch4182\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|--------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 5 | WCDMA, 10011 - CAC | 836.400, 4182                   | 10.38             | 0.900                  | 39.5             |

**Hardware Setup**

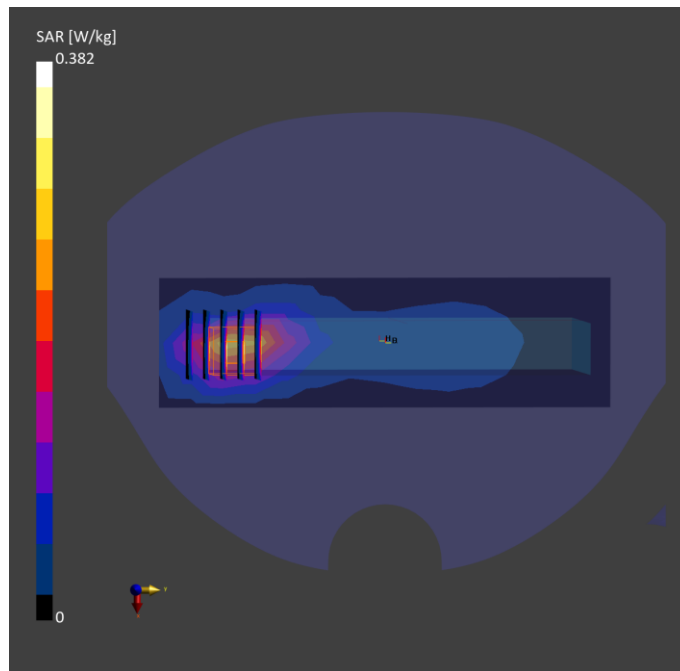
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.244         | <b>0.257</b>  |
| psSAR-10g [W/kg]   | 0.147         | <b>0.141</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 53.3          |
| Dist 3dB Peak [mm] |               | 9.6           |



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

**Test Mode**

**17\_LTE Band 5\_QPSK10M\_Right Side\_10mm\_Ch20600\_1RB\_Offset0\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 5 | LTE-FDD, 10175 - CAH | 844.000, 20600                  | 10.38             | 0.923                  | 43.3             |

**Hardware Setup**

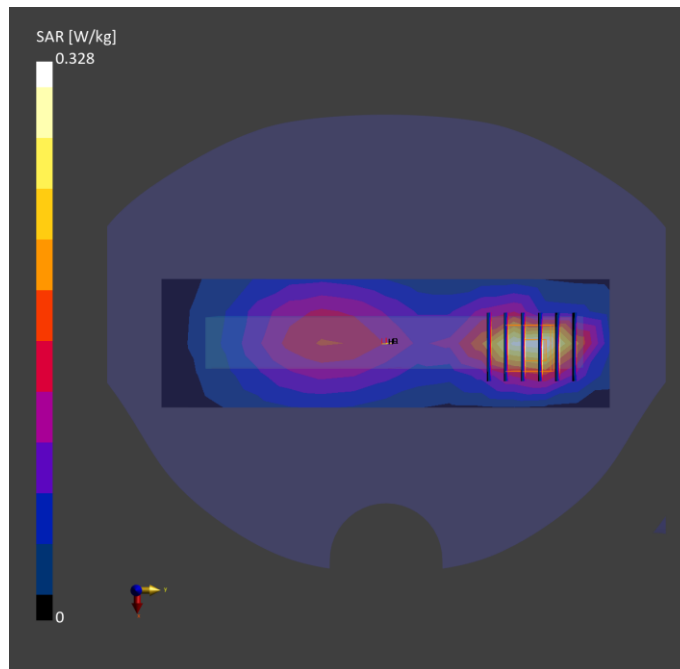
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.284         | <b>0.290</b>  |
| psSAR-10g [W/kg]   | 0.172         | <b>0.160</b>  |
| Power Drift [dB]   |               | 0.06          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 50.2          |
| Dist 3dB Peak [mm] |               | 9.6           |



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

**Test Mode**

**18\_LTE Band 5\_QPSK10M\_Left Side\_10mm\_Ch20450\_1RB\_Offset0\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 5 | LTE-FDD, 10175 - CAH | 844.000, 20600                  | 10.38             | 0.923                  | 43.3             |

**Hardware Setup**

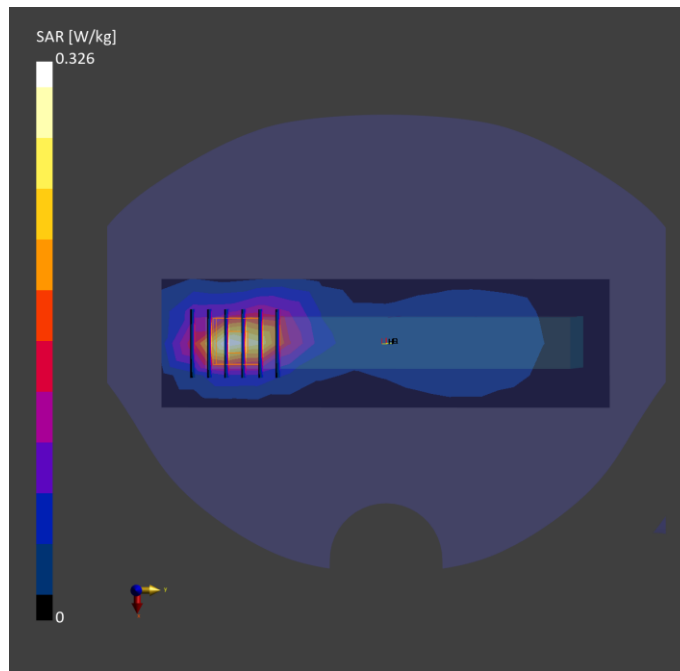
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.271         | <b>0.266</b>  |
| psSAR-10g [W/kg]   | 0.156         | <b>0.144</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 51.7          |
| Dist 3dB Peak [mm] |               | 9.6           |



Test Date : 2023-10-26 | Ambient Temp : 22.3 °C | Tissue Temp : 21.7 °C

**Test Mode**

**19\_LTE Band 7\_QPSK20M\_Right Side\_10mm\_Ch20850\_1RB\_Offset0\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 7 | LTE-FDD, 10169 - CAF | 2510.000, 20850                 | 8.04              | 1.90                   | 40.4             |

**Hardware Setup**

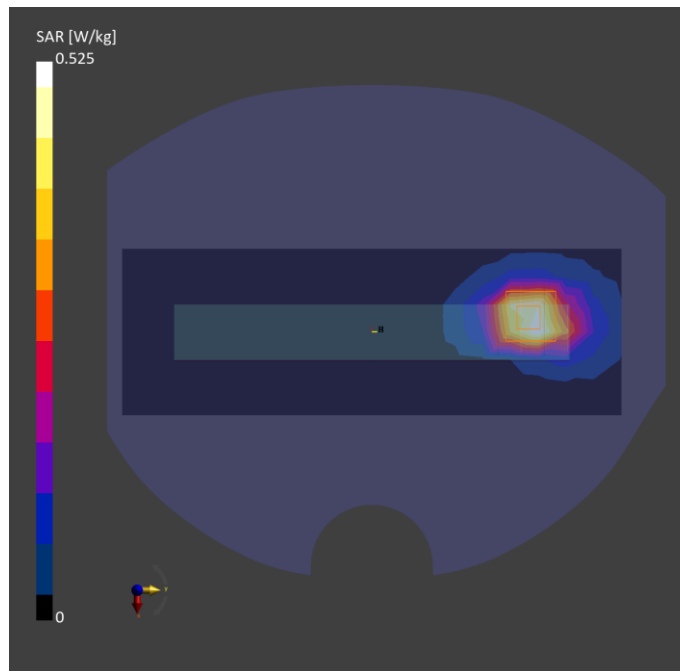
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.468         | <b>0.535</b>  |
| psSAR-10g [W/kg]   | 0.231         | <b>0.244</b>  |
| Power Drift [dB]   |               | -0.01         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 48.6          |
| Dist 3dB Peak [mm] |               | 9.0           |





Test Date : 2023-10-26 | Ambient Temp : 22.3 °C | Tissue Temp : 21.7 °C

**Test Mode**

**20\_LTE Band 7\_QPSK20M\_Left Side\_10mm\_Ch20850\_1RB\_Offset0\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 7 | LTE-FDD, 10169 - CAF | 2510.000, 20850                 | 8.04              | 1.90                   | 40.4             |

**Hardware Setup**

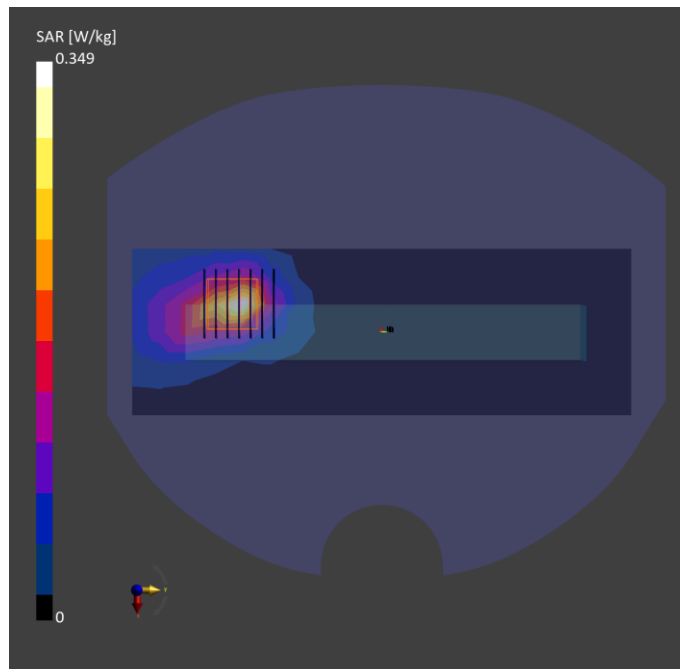
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.257         | <b>0.273</b>  |
| psSAR-10g [W/kg]   | 0.119         | <b>0.127</b>  |
| Power Drift [dB]   |               | -0.03         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 47.5          |
| Dist 3dB Peak [mm] |               | 9.5           |



Test Date : 2023-10-26 | Ambient Temp : 22.3 °C | Tissue Temp : 21.7 °C

**Test Mode**

**21\_LTE Band 7\_QPSK20M\_Left Side\_10mm\_Ch20850\_1RB\_Offset0\_Ant 2**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 7 | LTE-FDD, 10169 - CAF | 2510.000, 20850                 | 8.04              | 1.90                   | 40.4             |

**Hardware Setup**

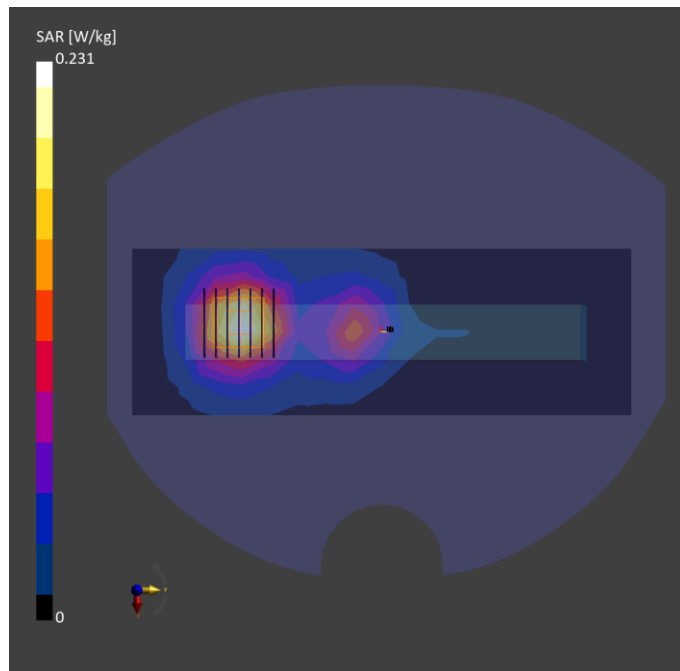
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.189         | <b>0.197</b>  |
| psSAR-10g [W/kg]   | 0.099         | <b>0.104</b>  |
| Power Drift [dB]   |               | -0.05         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 52.4          |
| Dist 3dB Peak [mm] |               | 15.6          |



Test Date : 2023-10-26 | Ambient Temp : 22.3 °C | Tissue Temp : 21.7 °C

**Test Mode**

**22\_LTE Band 7\_QPSK20M\_Right Side\_10mm\_Ch21100\_1RB\_Offset0\_Ant 3**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band   | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|--------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 7 | LTE-FDD, 10169 - CAF | 2535.000, 21100                 | 8.04              | 1.92                   | 40.3             |

**Hardware Setup**

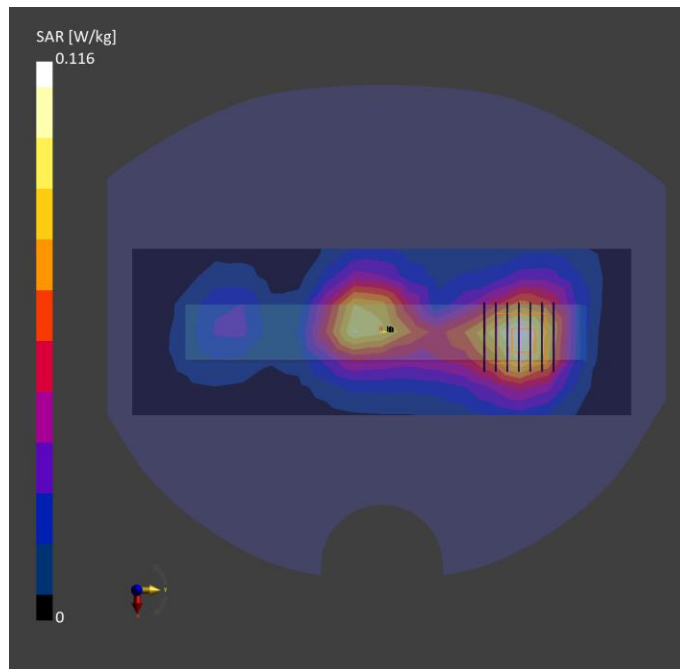
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 72.0 x 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]    | 0.094         | <b>0.099</b>  |
| psSAR-10g [W/kg]   | 0.051         | <b>0.054</b>  |
| Power Drift [dB]   |               | 0.06          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 52.3          |
| Dist 3dB Peak [mm] |               | 17.0          |



Test Date : 2023-10-27 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

**Test Mode**

**23\_LTE Band 12\_QPSK10M\_Bottom Side\_10mm\_Ch23130\_1RB\_Offset0\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 12 | LTE-FDD, 10175 - CAH | 711.000, 23130                  | 9.1               | 0.885                  | 43.1             |

**Hardware Setup**

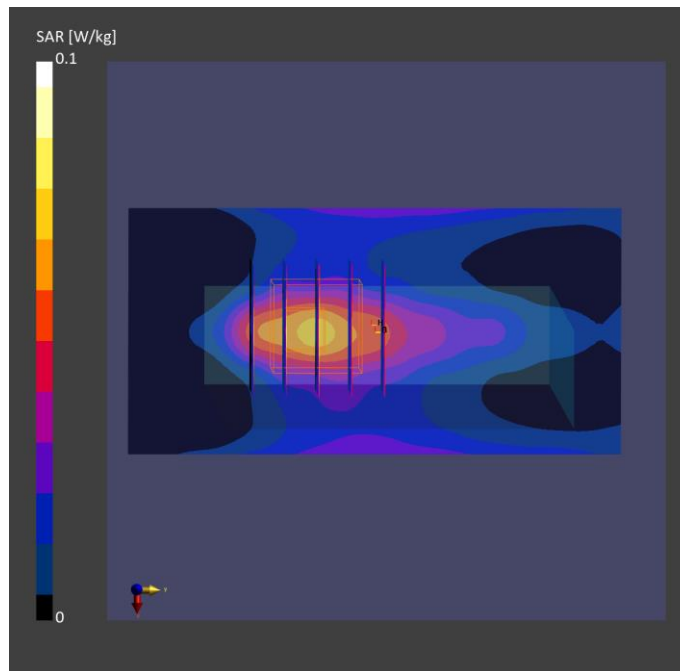
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 60.0 x 120.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm]     | 15.0 x 15.0  | 8.0 x 8.0 x 5.0    |
| Sensor Surface [mm] | 3.0          | 1.4                |
| Graded Grid         | N/A          | Yes                |
| Grading Ratio       | N/A          | 1.5                |

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.076         | <b>0.069</b>  |
| psSAR-10g [W/kg]   | 0.044         | <b>0.040</b>  |
| Power Drift [dB]   |               | 0.19          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 50.4          |
| Dist 3dB Peak [mm] |               | 12.8          |



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

**Test Mode**

**24\_LTE Band 12\_QPSK10M\_Bottom Side\_10mm\_Ch23130\_1RB\_Offset0\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 12 | LTE-FDD, 10175 - CAH | 711.000, 23130                  | 10.63             | 0.894                  | 44.4             |

**Hardware Setup**

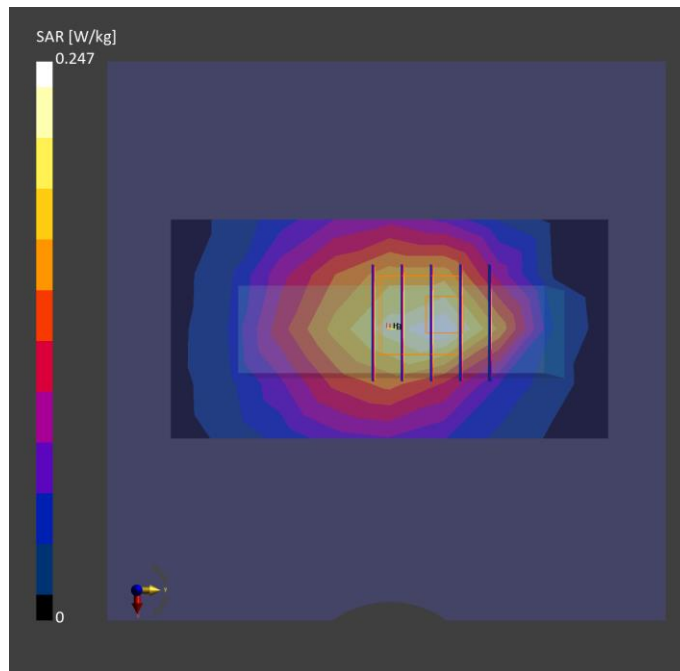
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.218         | <b>0.229</b>  |
| psSAR-10g [W/kg]   | 0.143         | <b>0.145</b>  |
| Power Drift [dB]   |               | -0.02         |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 52.6          |
| Dist 3dB Peak [mm] |               | 12.9          |



Test Date : 2023-10-27 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

**Test Mode**

**25\_LTE Band 13\_QPSK10M\_Bottom Side\_10mm\_Ch23230\_1RB\_Offset0\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 13 | LTE-FDD, 10175 - CAH | 782.000, 23230                  | 9.1               | 0.909                  | 42.8             |

**Hardware Setup**

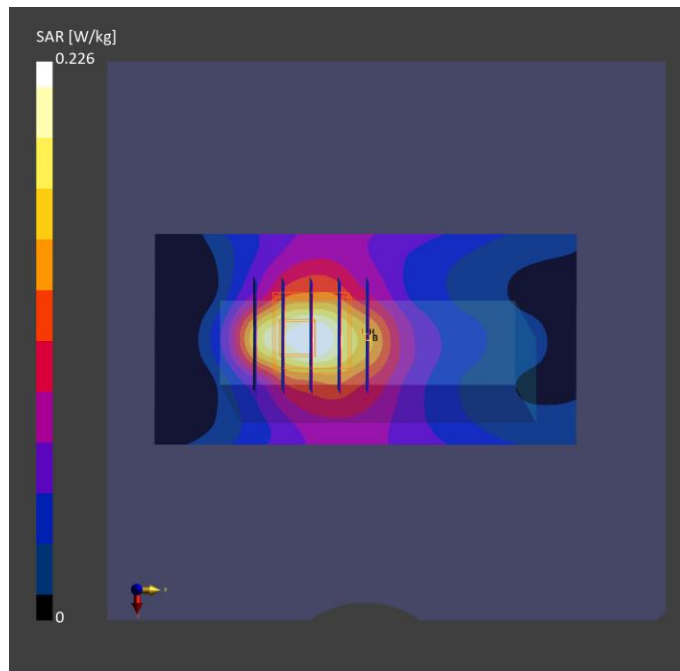
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2102 | HBBL-600-10000           | EX3DV4 - SN7757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

**Scan Setup**

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 60.0 x 120.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm]     | 15.0 x 15.0  | 8.0 x 8.0 x 5.0    |
| Sensor Surface [mm] | 3.0          | 1.4                |
| Graded Grid         | N/A          | Yes                |
| Grading Ratio       | N/A          | 1.5                |

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.148         | <b>0.147</b>  |
| psSAR-10g [W/kg]   | 0.092         | <b>0.090</b>  |
| Power Drift [dB]   |               | 0.05          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 52.6          |
| Dist 3dB Peak [mm] |               | 12.2          |



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

**Test Mode**

**26\_LTE Band 13\_QPSK10M\_Left Side\_10mm\_Ch23230\_1RB\_Offset0\_Ant 1**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 13 | LTE-FDD, 10175 - CAH | 782.000, 23230                  | 10.63             | 0.921                  | 44.1             |

**Hardware Setup**

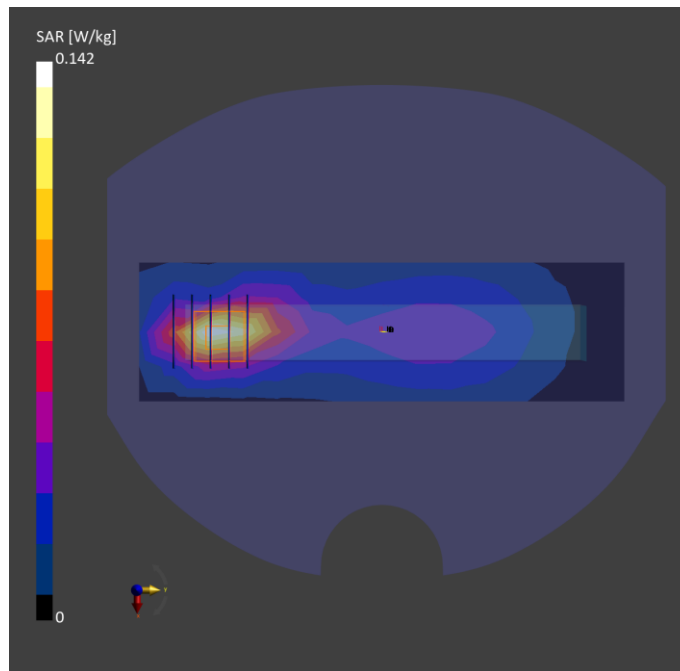
| Phantom                                 | Tissue Simulating Liquid | Probe   Calibration Date     | DAE   Calibration Date   |
|---|--------------------------|------------------------------|--------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2115 | HBBL-600-10000           | EX3DV4 - SN7650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

**Scan Setup**

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

**Measurement Results**

|                    | Area Scan     | Zoom Scan     |
|--------------------|---------------|---------------|
| psSAR-1g [W/kg]    | 0.118         | <b>0.118</b>  |
| psSAR-10g [W/kg]   | 0.070         | <b>0.064</b>  |
| Power Drift [dB]   |               | 0.06          |
| TSL Correction     | Positive only | Positive only |
| M2 / M1 [%]        |               | 51.4          |
| Dist 3dB Peak [mm] |               | 9.6           |



Test Date : 2023-10-27 | Ambient Temp : 22.3 °C | Tissue Temp : 22.2 °C

**Test Mode**

**27\_LTE Band 14\_QPSK10M\_Bottom Side\_10mm\_Ch23330\_1RB\_Offset0\_Ant 0**

**Device Under Test Properties**

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

**Exposure Conditions**

| Phantom Section | Band    | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|-----------------|---------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat            | Band 14 | LTE-FDD, 10175 - CAH | 793.000, 23330                  | 10.63             | 0.924                  | 44.1             |

**Hardware Setup**

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

**Scan Setup**

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

**Measurement Results**

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

