

Appendix A. Plots of SAR and Power Density System Verification

The plots for system verification are shown as follows.

Measurement Report

System Check_H2450_230920

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 2450.0 | 7.63 | 1.83 | 38.6 |

Hardware Setup

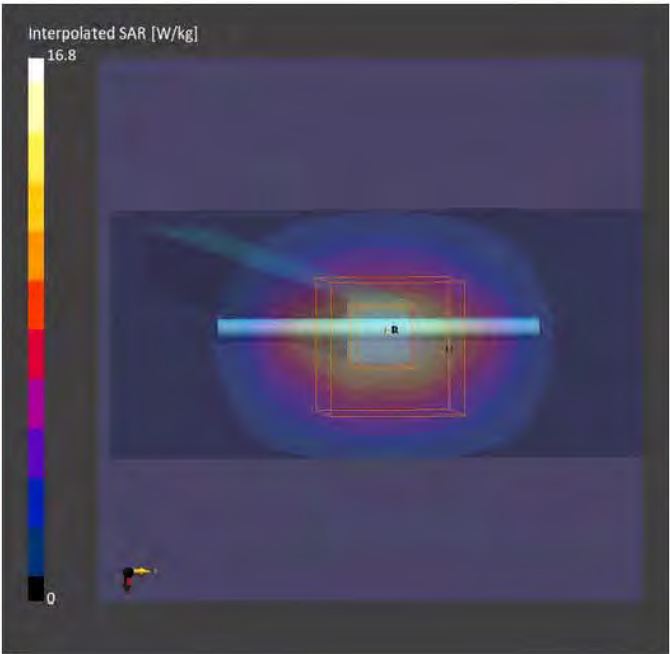
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H2450, 2023-Sep-20 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 90.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 15.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-20, 10:42 | 2023-09-20, 10:48 |
| psSAR1g [W/kg] | 12.7 | 12.7 |
| psSAR10g [W/kg] | 5.81 | 6.06 |
| Power Drift [dB] | 0.00 | 0.01 |
| M2/M1 [%] | | 82.5 |
| Dist 3dB Peak [mm] | | 9.0 |



Measurement Report

System Check_H2450_230921

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 2450.0 | 7.63 | 1.85 | 38.5 |

Hardware Setup

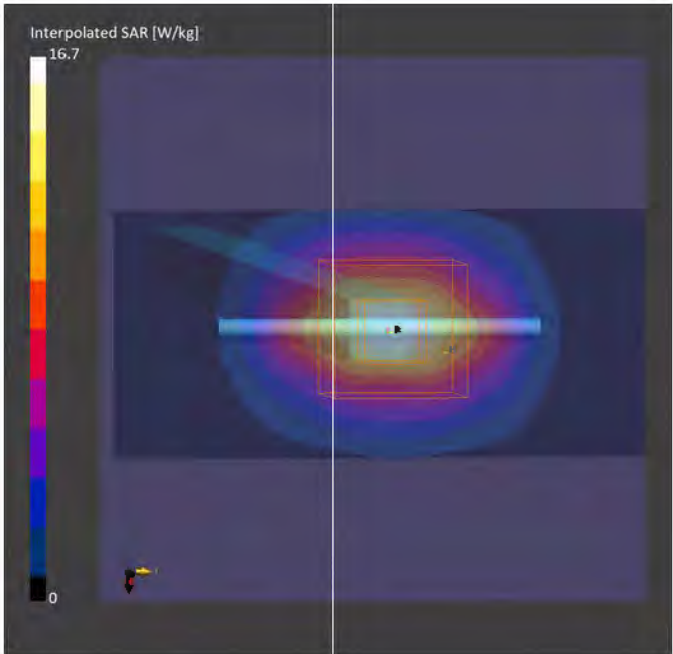
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H2450, 2023-Sep-21 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 90.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 15.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-21, 09:10 | 2023-09-21, 09:17 |
| psSAR1g [W/kg] | 12.6 | 12.7 |
| psSAR10g [W/kg] | 5.82 | 6.04 |
| Power Drift [dB] | 0.01 | 0.01 |
| M2/M1 [%] | | 81.9 |
| Dist 3dB Peak [mm] | | 9.0 |



Measurement Report

System Check_H2450_230922

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 2450.0 | 7.63 | 1.82 | 38.7 |

Hardware Setup

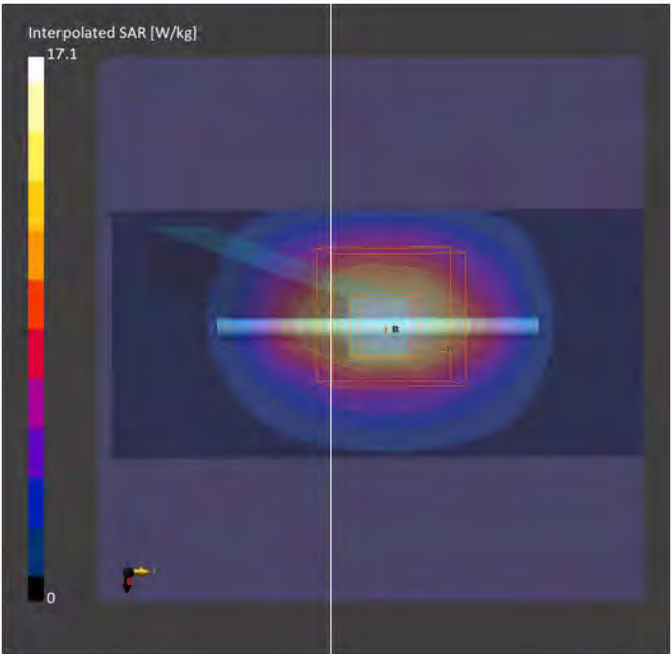
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H2450, 2023-Sep-22 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 90.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 15.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-22, 09:25 | 2023-09-22, 09:31 |
| psSAR1g [W/kg] | 13.0 | 13.3 |
| psSAR10g [W/kg] | 6.09 | 6.31 |
| Power Drift [dB] | 0.00 | 0.01 |
| M2/M1 [%] | | 81.8 |
| Dist 3dB Peak [mm] | | 9.0 |



Measurement Report

System Check_H5300_230926

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 5300.0 | 5.78 | 4.84 | 35.5 |

Hardware Setup

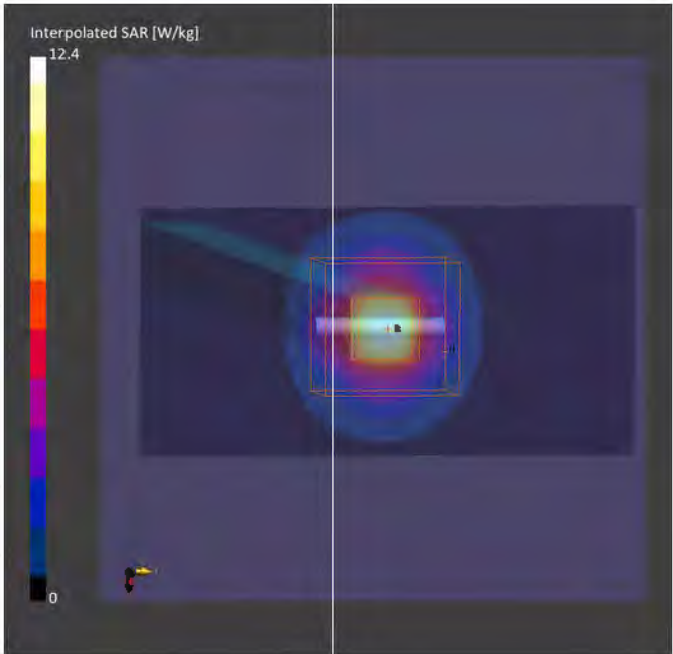
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H5G, 2023-Sep-26 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 80.0 | 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 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-26, 09:29 | 2023-09-26, 09:40 |
| psSAR1g [W/kg] | 7.54 | 8.23 |
| psSAR10g [W/kg] | 2.14 | 2.40 |
| Power Drift [dB] | -0.02 | 0.11 |
| M2/M1 [%] | | 63.6 |
| Dist 3dB Peak [mm] | | 7.4 |



Measurement Report

System Check_H5300_230928

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 5300.0 | 5.78 | 4.79 | 35.6 |

Hardware Setup

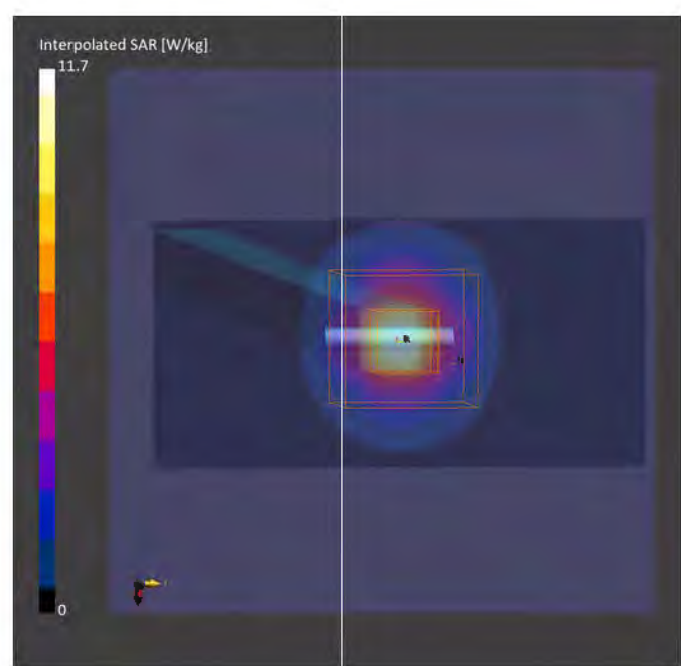
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H5G, 2023-Sep-28 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 80.0 | 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 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-28, 11:16 | 2023-09-28, 11:24 |
| psSAR1g [W/kg] | 7.06 | 7.66 |
| psSAR10g [W/kg] | 2.00 | 2.21 |
| Power Drift [dB] | 0.02 | 0.01 |
| M2/M1 [%] | | 63.9 |
| Dist 3dB Peak [mm] | | 7.2 |



Measurement Report

System Check_H5600_231005

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 5600.0 | 4.82 | 5.14 | 34.9 |

Hardware Setup

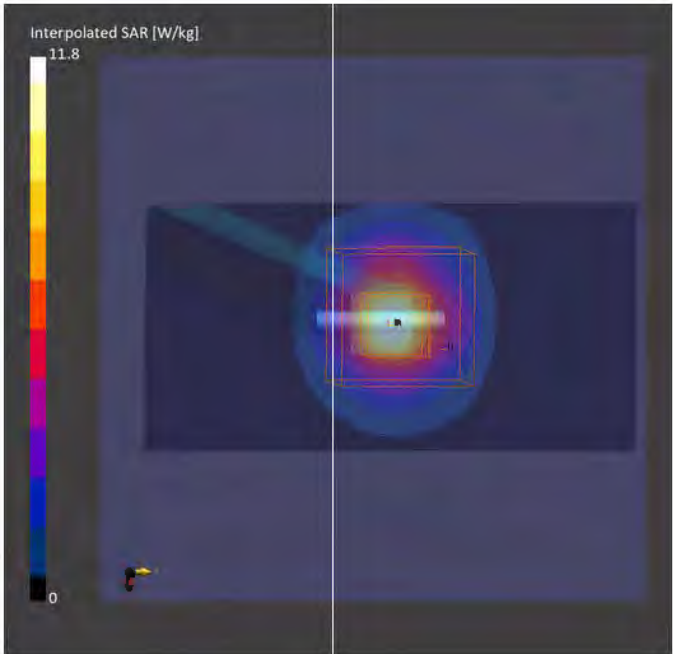
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H5G, 2023-Oct-05 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 80.0 | 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 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-10-05, 09:39 | 2023-10-05, 09:47 |
| psSAR1g [W/kg] | 7.41 | 8.09 |
| psSAR10g [W/kg] | 2.15 | 2.36 |
| Power Drift [dB] | 0.02 | 0.00 |
| M2/M1 [%] | | 61.1 |
| Dist 3dB Peak [mm] | | 7.9 |



Measurement Report

System Check_H5800_231004

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 5800.0 | 5.0 | 5.38 | 34.5 |

Hardware Setup

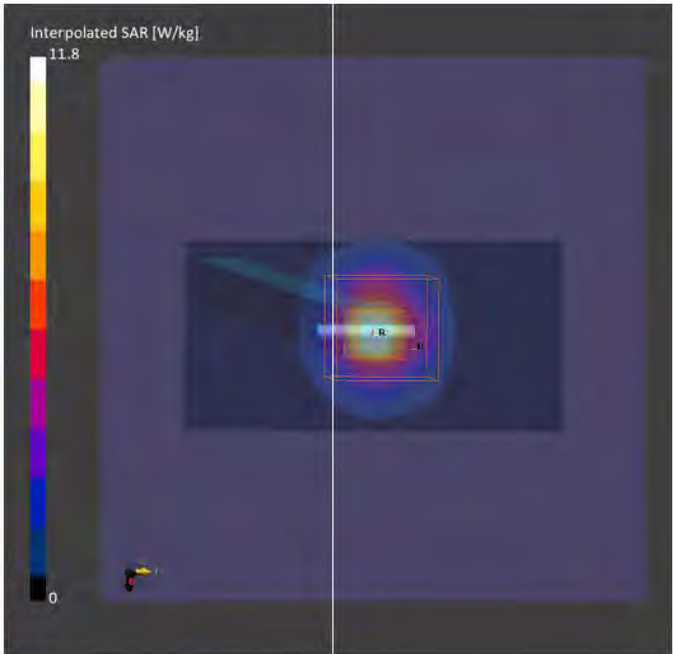
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H5G, 2023-Oct-04 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 80.0 | 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 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-10-04, 09:24 | 2023-10-04, 09:32 |
| psSAR1g [W/kg] | 7.44 | 8.04 |
| psSAR10g [W/kg] | 2.15 | 2.35 |
| Power Drift [dB] | 0.01 | 0.02 |
| M2/M1 [%] | | 61.1 |
| Dist 3dB Peak [mm] | | 7.9 |



Measurement Report

System Check_H6500_230922

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 6500.0 | 5.85 | 6.22 | 34.8 |

Hardware Setup

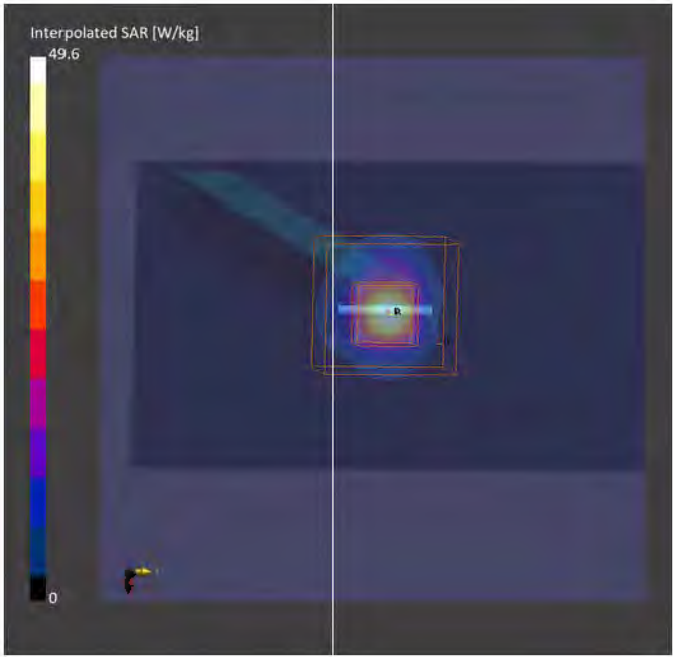
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H6500, 2023-Sep-22 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 8.5 x 8.5 | 3.4 x 3.4 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-22, 15:47 | 2023-09-22, 15:57 |
| psSAR1g [W/kg] | 25.6 | 29.7 |
| psSAR10g [W/kg] | 5.07 | 5.56 |
| Power Drift [dB] | 0.02 | -0.04 |
| M2/M1 [%] | | 51.5 |
| Dist 3dB Peak [mm] | | 4.8 |



Measurement Report

System Check_H6500_230924

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 6500.0 | 5.85 | 6.12 | 34.4 |

Hardware Setup

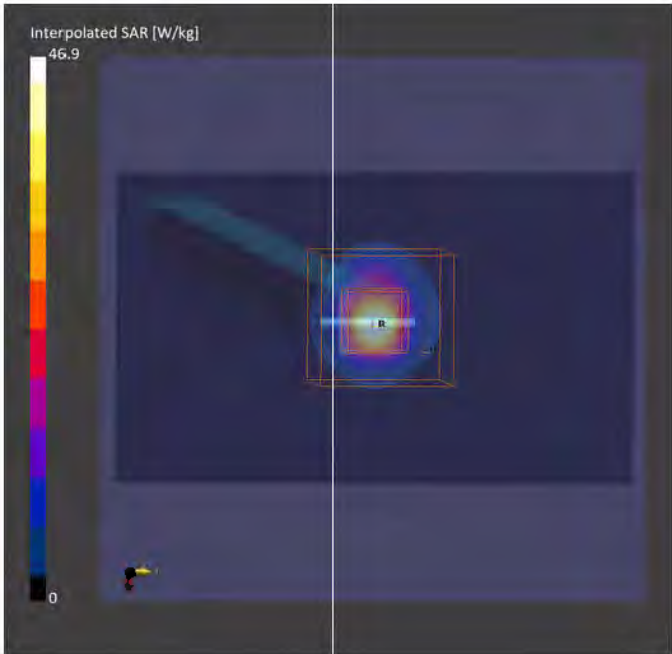
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H6500, 2023-Sep-24 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 8.5 x 8.5 | 3.4 x 3.4 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-24, 06:42 | 2023-09-24, 06:53 |
| psSAR1g [W/kg] | 24.3 | 28.4 |
| psSAR10g [W/kg] | 4.83 | 5.30 |
| Power Drift [dB] | 0.03 | -0.04 |
| M2/M1 [%] | | 51.1 |
| Dist 3dB Peak [mm] | | 4.8 |



Measurement Report

System Check_H6500_230925

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 6500.0 | 5.85 | 6.04 | 33.6 |

Hardware Setup

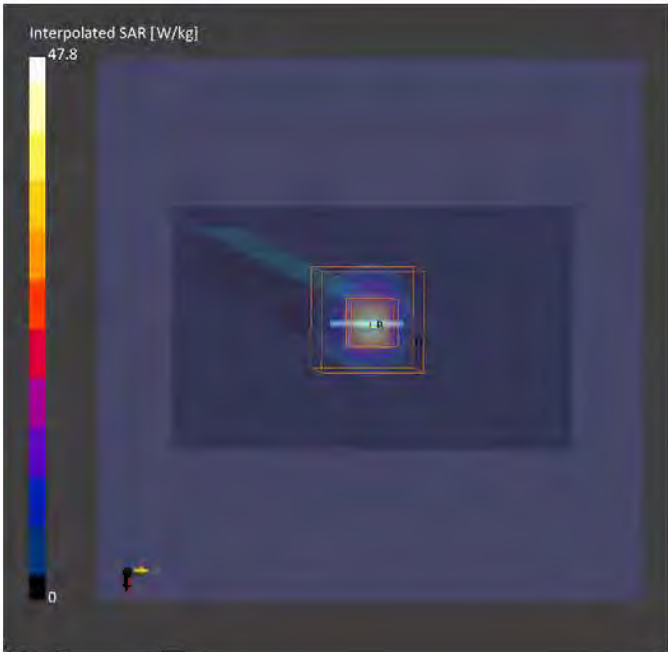
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H6500, 2023-Sep-25 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 8.5 x 8.5 | 3.4 x 3.4 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-25, 10:08 | 2023-09-25, 10:19 |
| psSAR1g [W/kg] | 24.7 | 28.6 |
| psSAR10g [W/kg] | 4.92 | 5.35 |
| Power Drift [dB] | 0.07 | 0.00 |
| M2/M1 [%] | | 50.4 |
| Dist 3dB Peak [mm] | | 4.8 |



Measurement Report

System Check_H6500_230930

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| SPEAG | n/a x n/a x n/a | | Dipole |

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL | | | CW | 6500.0 | 5.85 | 6.10 | 34.8 |

Hardware Setup

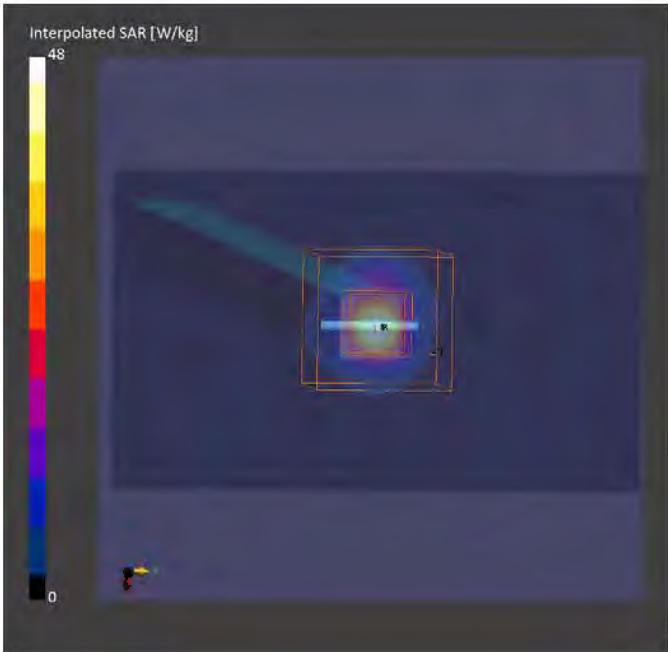
| Phantom | TSL, Measured Date | Probe, Calibration Date | DAE, Calibration Date |
|------------------------------------|--------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2185 | H6500, 2023-Sep-30 | EX3DV4 - SN7300, 2023-05-25 | DAE4 Sn1397, 2023-04-26 |

Scan Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 8.5 x 8.5 | 3.4 x 3.4 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-------------------|-------------------|
| Date | 2023-09-30, 12:15 | 2023-09-30, 12:25 |
| psSAR1g [W/kg] | 24.5 | 28.2 |
| psSAR10g [W/kg] | 4.83 | 5.32 |
| Power Drift [dB] | 0.01 | -0.01 |
| M2/M1 [%] | | 50.8 |
| Dist 3dB Peak [mm] | | 4.8 |



Measurement Report

System Check_10GHz_230930

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------------|------|----------------------------|
| SPEAG | 100.0 x 100.0 x 172.0 | | Verification Source 10 GHz |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G Air | FRONT, 10.00 | Validation band | CW | 10000.0, 10000 | 1.0 |

Hardware Setup

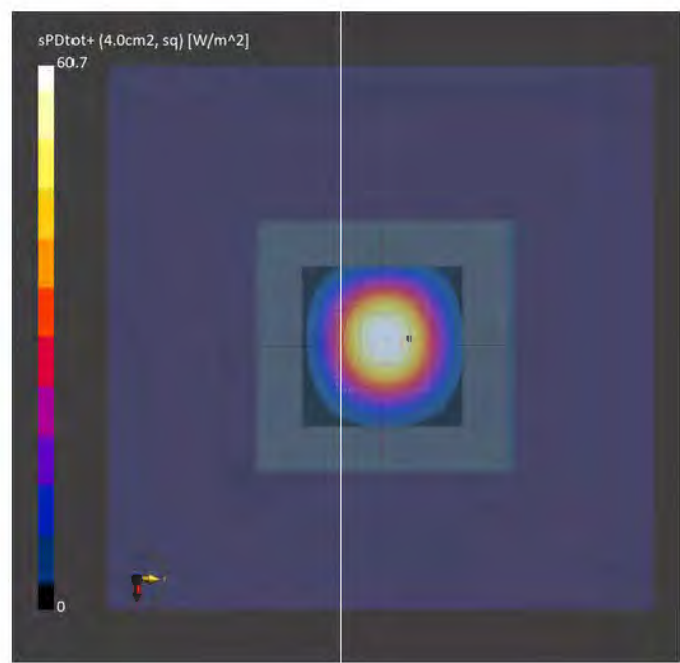
| Phantom | Medium | Probe, Calibration Date | DAE, Calibration Date |
|---------|--------|---------------------------------------|-------------------------|
| mmWave | Air | EUmmWV4 - SN9671_F1-55GHz, 2023-07-05 | DAE4 Sn1748, 2023-07-07 |

Scan Setup

| | 5G Scan |
|---------------------|---------------|
| Grid Extents [mm] | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.125 x 0.125 |
| Sensor Surface [mm] | 10.0 |
| MAIA | N/A |

Measurement Results

| | 5G Scan |
|------------------------|-------------------|
| Date | 2023-09-30, 11:58 |
| Avg. Area [cm²] | 4.00 |
| psPDn+ [W/m²] | 60.3 |
| psPDtot+ [W/m²] | 60.7 |
| psPDmod+ [W/m²] | 61.0 |
| E _{max} [V/m] | 155 |
| Power Drift [dB] | -0.09 |



Measurement Report

System Check_10GHz_231004

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------------|------|----------------------------|
| SPEAG | 100.0 x 100.0 x 172.0 | | Verification Source 10 GHz |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G Air | FRONT, 10.00 | Validation band | CW | 10000.0, 10000 | 1.0 |

Hardware Setup

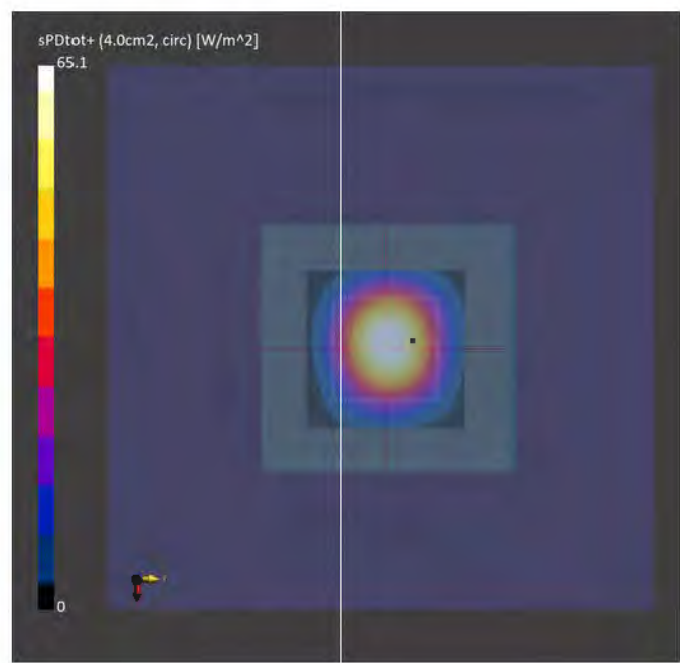
| Phantom | Medium | Probe, Calibration Date | DAE, Calibration Date |
|---------|--------|---------------------------------------|-------------------------|
| mmWave | Air | EUmmWV4 - SN9671_F1-55GHz, 2023-07-05 | DAE4 Sn1748, 2023-07-07 |

Scan Setup

| | 5G Scan |
|---------------------|---------------|
| Grid Extents [mm] | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.125 x 0.125 |
| Sensor Surface [mm] | 10.0 |
| MAIA | N/A |

Measurement Results

| | 5G Scan |
|------------------------|-------------------|
| Date | 2023-10-04, 10:12 |
| Avg. Area [cm²] | 4.00 |
| psPDn+ [W/m²] | 64.4 |
| psPDtot+ [W/m²] | 64.9 |
| psPDmod+ [W/m²] | 65.3 |
| E _{max} [V/m] | 162 |
| Power Drift [dB] | 0.04 |



Measurement Report

System Check_10GHz_231005

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------------|------|----------------------------|
| SPEAG | 100.0 x 100.0 x 172.0 | | Verification Source 10 GHz |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G Air | FRONT, 10.00 | Validation band | CW | 10000.0, 10000 | 1.0 |

Hardware Setup

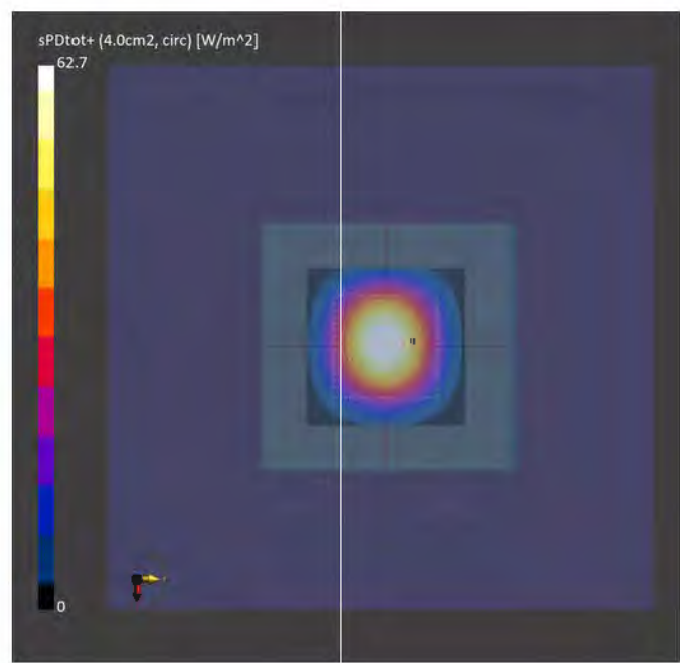
| Phantom | Medium | Probe, Calibration Date | DAE, Calibration Date |
|---------|--------|---------------------------------------|-------------------------|
| mmWave | Air | EUmmWV4 - SN9671_F1-55GHz, 2023-07-05 | DAE4 Sn1748, 2023-07-07 |

Scan Setup

| | 5G Scan |
|---------------------|---------------|
| Grid Extents [mm] | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.125 x 0.125 |
| Sensor Surface [mm] | 10.0 |
| MAIA | N/A |

Measurement Results

| | 5G Scan |
|------------------------|-------------------|
| Date | 2023-10-05, 17:40 |
| Avg. Area [cm²] | 4.00 |
| psPDn+ [W/m²] | 62.3 |
| psPDtot+ [W/m²] | 62.6 |
| psPDmod+ [W/m²] | 62.9 |
| E _{max} [V/m] | 159 |
| Power Drift [dB] | -0.04 |



Measurement Report

System Check_10GHz_231010

Device under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------------|------|----------------------------|
| SPEAG | 100.0 x 100.0 x 172.0 | | Verification Source 10 GHz |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G Air | FRONT, 10.00 | Validation band | CW | 10000.0, 10000 | 1.0 |

Hardware Setup

| Phantom | Medium | Probe, Calibration Date | DAE, Calibration Date |
|---------|--------|---------------------------------------|-------------------------|
| mmWave | Air | EUmmWV4 - SN9671_F1-55GHz, 2023-07-05 | DAE4 Sn1748, 2023-07-07 |

Scan Setup

| | 5G Scan |
|---------------------|---------------|
| Grid Extents [mm] | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.125 x 0.125 |
| Sensor Surface [mm] | 10.0 |
| MAIA | N/A |

Measurement Results

| | 5G Scan |
|------------------------|-------------------|
| Date | 2023-10-10, 15:10 |
| Avg. Area [cm²] | 4.00 |
| psPDn+ [W/m²] | 61.7 |
| psPDtot+ [W/m²] | 62.0 |
| psPDmod+ [W/m²] | 62.4 |
| E _{max} [V/m] | 159 |
| Power Drift [dB] | -0.11 |

