

2022-08-01 System Performance Check Report D5GHzV2 - SN1213

Summary

| | | | |
|-----------------------|------------------|----------------|------|
| Dipole | D5GHzV2 - SN1213 | | |
| Frequency [MHz] | 5250.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | -1.5 |
| Power [dBm] | 17.0 | Iso. Error [%] | -2.0 |

Exposure Conditions

| | | | |
|----------------------|------|------------------------|------|
| Dipole Distance [mm] | 10 | TSL Permittivity | 35.1 |
| Conversion Factor | 5.14 | TSL Conductivity [S/m] | 4.70 |

Hardware Setup

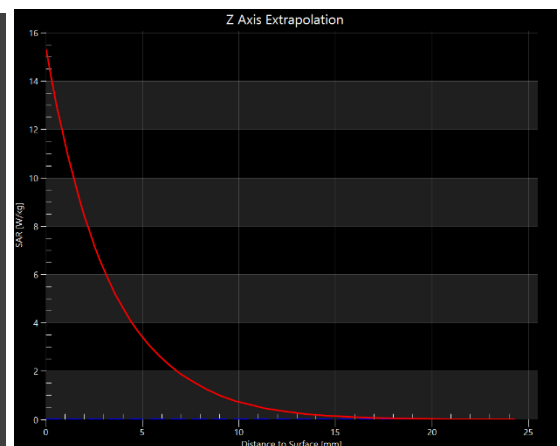
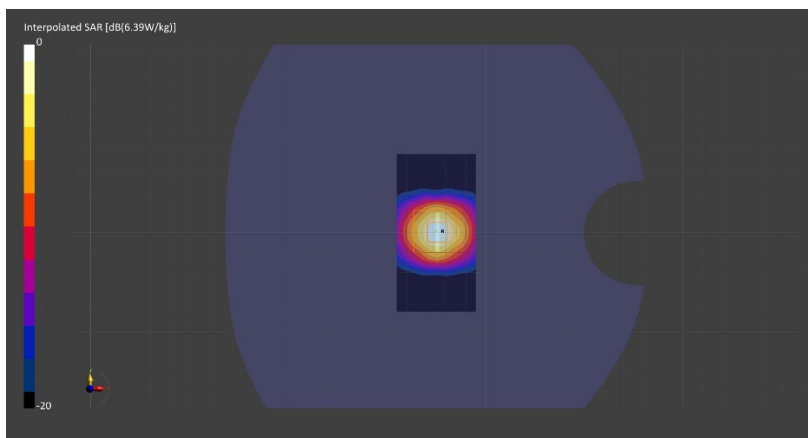
| | | | |
|--------------------------|------------------------------|------------------|---|
| Probe Calibration Date | EX3DV4 - SN7549 2022-02-21 | Phantom | Twin-SAM V8.0 (30deg probe tilt) - SN2084 |
| DAE Calibration Date | DAE4 Sn1715 2022-02-22 | TSL Meas. Date | HBBL-600-10000 2022-Aug-01 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 80.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 4.0 x 4.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 65.0 |
| Dist 3dB Peak [mm] | | 7.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|-----------|-------------|
| psSAR1g [W/Kg] | 3.88 | 4.00 |
| psSAR10g [W/Kg] | 1.10 | 1.14 |
| Power Drift [dB] | -0.07 | -0.08 |



2022-08-01 System Performance Check Report D5GHzV2 - SN1213

Summary

| | | | |
|-----------------------|------------------|----------------|------|
| Dipole | D5GHzV2 - SN1213 | | |
| Frequency [MHz] | 5600.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | 3.6 |
| Power [dBm] | 17.0 | Iso. Error [%] | -2.1 |

Exposure Conditions

| | | | |
|----------------------|------|------------------------|------|
| Dipole Distance [mm] | 10 | TSL Permittivity | 34.4 |
| Conversion Factor | 4.56 | TSL Conductivity [S/m] | 5.11 |

Hardware Setup

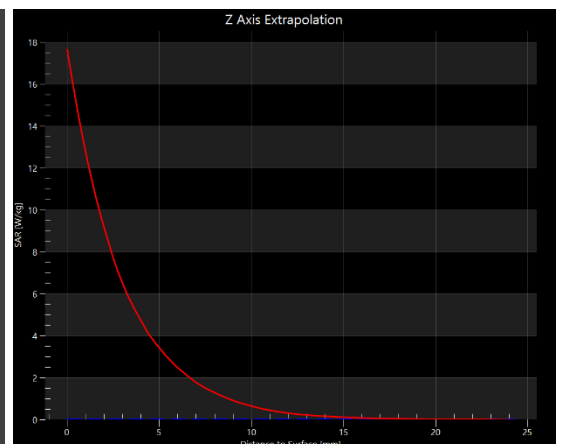
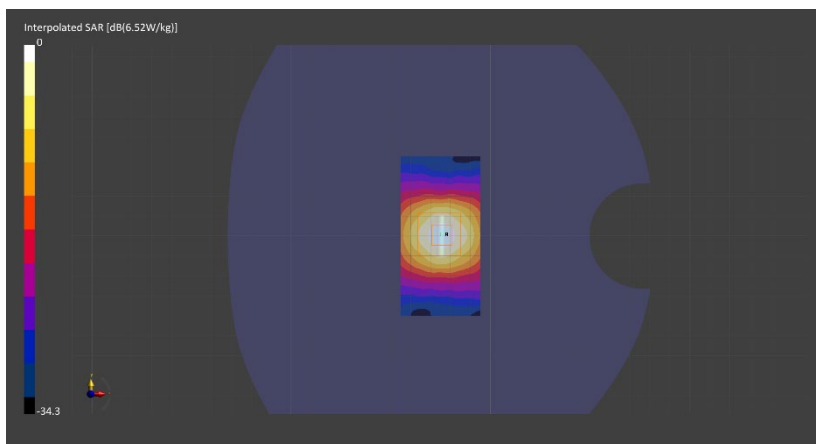
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|--------------------------|------------------------------|------------------|---|
| Probe Calibration Date | EX3DV4 - SN7549 2022-02-21 | Phantom | Twin-SAM V8.0 (30deg probe tilt) - SN2084 |
| DAE Calibration Date | DAE4 Sn1715 2022-02-22 | TSL Meas. Date | HBBL-600-10000 2022-Aug-01 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 80.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 4.0 x 4.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 62.0 |
| Dist 3dB Peak [mm] | | 7.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|-----------|-------------|
| psSAR1g [W/Kg] | 4.01 | 4.26 |
| psSAR10g [W/Kg] | 1.13 | 1.20 |
| Power Drift [dB] | 0.03 | 0.01 |



2022-08-03 System Performance Check Report D1900V2 - SN5d202

Summary

| | | | |
|-----------------------|-------------------|----------------|------|
| Dipole | D1900V2 - SN5d202 | | |
| Frequency [MHz] | 1900.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | 14.8 |
| Power [dBm] | 17.0 | Iso. Error [%] | -2.0 |

Exposure Conditions

| | | | |
|----------------------|------|------------------------|------|
| Dipole Distance [mm] | 10 | TSL Permittivity | 38.5 |
| Conversion Factor | 7.94 | TSL Conductivity [S/m] | 1.44 |

Hardware Setup

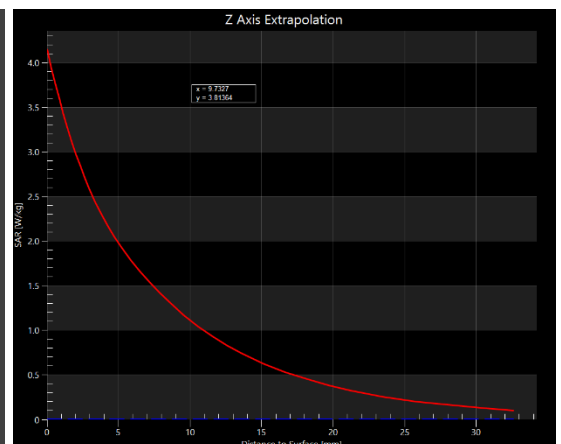
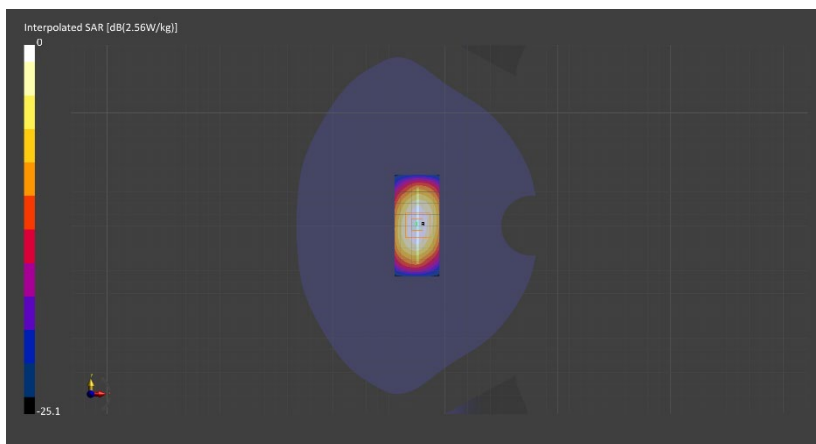
| | | | |
|--------------------------|------------------------------|------------------|---|
| Probe Calibration Date | EX3DV4 - SN7549 2022-02-21 | Phantom | Twin-SAM V8.0 (30deg probe tilt) - SN2084 |
| DAE Calibration Date | DAE4 Sn1715 2022-02-22 | TSL Meas. Date | HBBL-600-10000 2022-Aug-03 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 90.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 78.6 |
| Dist 3dB Peak [mm] | | 9.9 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|-----------|-------------|
| psSAR1g [W/Kg] | 2.03 | 2.06 |
| psSAR10g [W/Kg] | 1.05 | 1.06 |
| Power Drift [dB] | 0.00 | 0.00 |



2022-08-04 System Performance Check Report D900V2 - SN1d180

Summary

| | | | |
|-----------------------|------------------|----------------|-----|
| Dipole | D900V2 - SN1d180 | | |
| Frequency [MHz] | 900.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | 8.9 |
| Power [dBm] | 17.0 | Iso. Error [%] | 1.9 |

Exposure Conditions

| | | | |
|----------------------|------|------------------------|-------|
| Dipole Distance [mm] | 15 | TSL Permittivity | 40.0 |
| Conversion Factor | 9.19 | TSL Conductivity [S/m] | 0.965 |

Hardware Setup

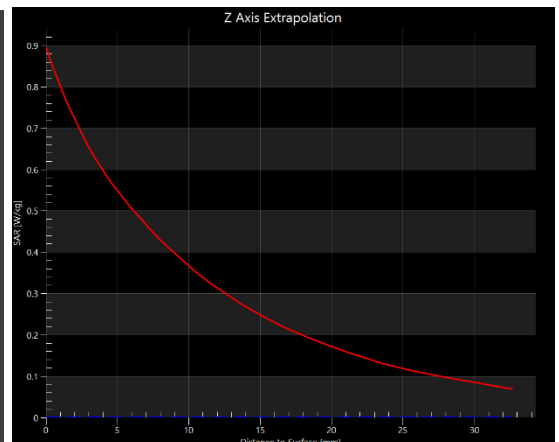
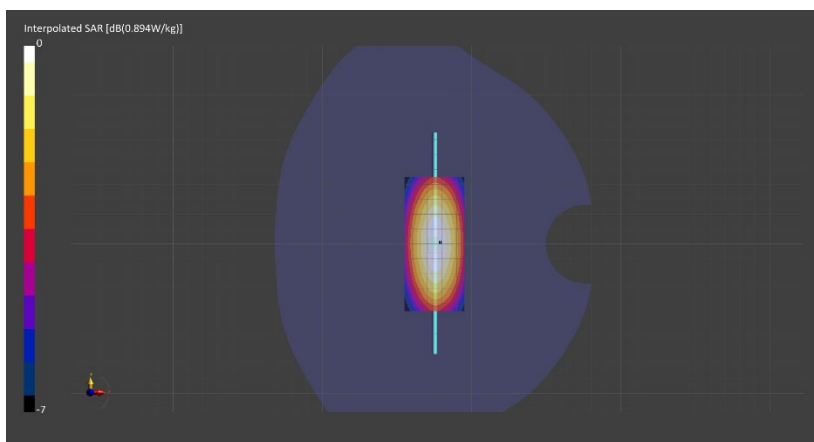
| | | | |
|--------------------------|------------------------------|------------------|---|
| Probe Calibration Date | EX3DV4 - SN7549 2022-02-21 | Phantom | Twin-SAM V8.0 (30deg probe tilt) - SN2084 |
| DAE Calibration Date | DAE4 Sn1715 2022-02-22 | TSL Meas. Date | HBBL-600-10000 2022-Aug-04 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 90.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 85.6 |
| Dist 3dB Peak [mm] | | 19.5 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|-----------|--------------|
| psSAR1g [W/Kg] | 0.563 | 0.562 |
| psSAR10g [W/Kg] | 0.367 | 0.361 |
| Power Drift [dB] | -0.00 | 0.02 |



2022-08-02 System Performance Check Report D750V3 - SN1139

Summary

| | | | |
|-----------------------|-----------------|-----------------------|-----|
| Dipole | D750V3 - SN1139 | | |
| Frequency [MHz] | 750.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | 5.7 |
| Power [dBm] | 17.0 | Iso. Error [%] | 3.1 |

Exposure Conditions

| | | | |
|----------------------|-------|-------------------------------|-------|
| Dipole Distance [mm] | 15 | TSL Permittivity | 43.0 |
| Conversion Factor | 10.25 | TSL Conductivity [S/m] | 0.921 |

Hardware Setup

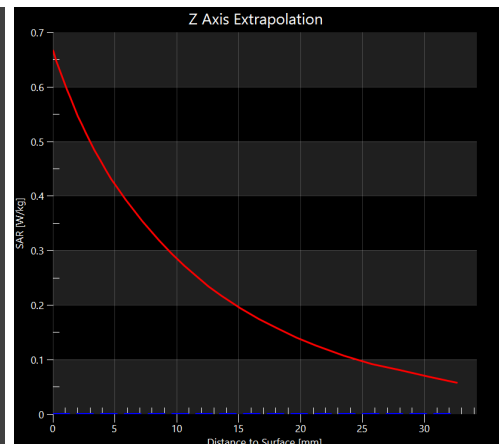
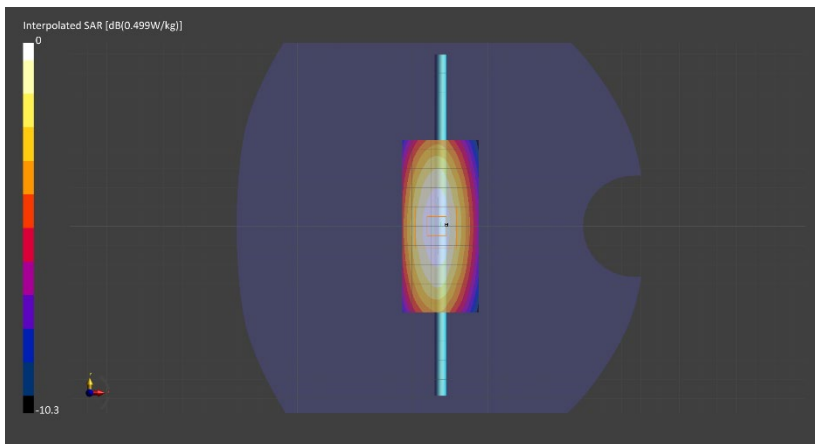
| | | | |
|---------------------------------|------------------------------|-------------------------|---|
| Probe Calibration Date | EX3DV4 - SN7709 2022-02-25 | Phantom | Twin-SAM V8.0 (30deg probe tilt) - SN2082 |
| DAE Calibration Date | DAE4 Sn1714 2022-02-23 | TSL Meas. Date | HBBL-600-10000 2022-Aug-02 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|------------------|--------------------|
| Grid Extents [mm] | 40.0 x 90.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 86.7 |
| Dist 3dB Peak [mm] | | > 15.0 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|------------------|------------------|
| psSAR1g [W/Kg] | 0.433 | 0.430 |
| psSAR10g [W/Kg] | 0.290 | 0.281 |
| Power Drift [dB] | -0.00 | -0.02 |



2022-07-29 System Performance Check Report D2450V2 - SN963

Summary

| | | | |
|-----------------------|-----------------|----------------|-----|
| Dipole | D2450V2 - SN963 | | |
| Frequency [MHz] | 2450.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | 7.0 |
| Power [dBm] | 17.0 | Iso. Error [%] | 0.7 |

Exposure Conditions

| | | | |
|----------------------|------|------------------------|------|
| Dipole Distance [mm] | 10 | TSL Permittivity | 37.9 |
| Conversion Factor | 8.15 | TSL Conductivity [S/m] | 1.82 |

Hardware Setup

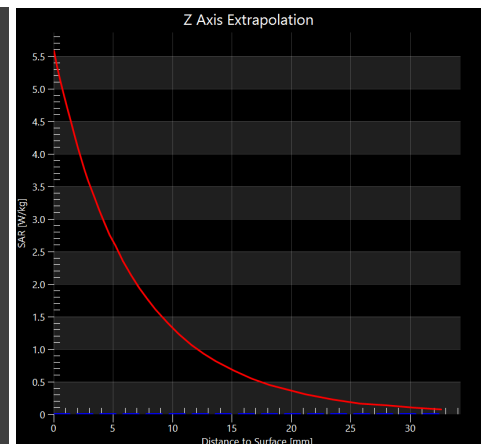
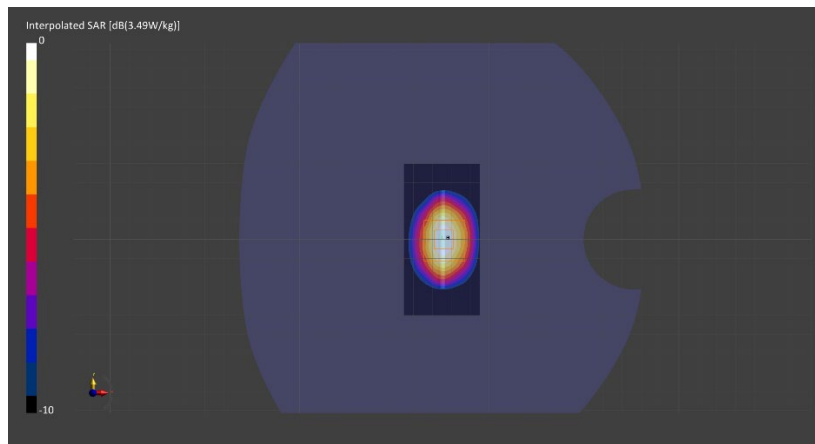
| | | | |
|--------------------------|------------------------------|------------------|---|
| Probe Calibration Date | EX3DV4 - SN7711 2022-03-11 | Phantom | Twin-SAM V5.0 (30deg probe tilt) - SN1742 |
| DAE Calibration Date | DAE4 Sn1716 2022-03-08 | TSL Meas. Date | HBBL-600-10000 2022-Jul-29 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 79.6 |
| Dist 3dB Peak [mm] | | 9.0 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|-----------|-------------|
| psSAR1g [W/Kg] | 2.64 | 2.66 |
| psSAR10g [W/Kg] | 1.23 | 1.23 |
| Power Drift [dB] | -0.00 | 0.02 |



2022-08-03 System Performance Check Report D900V2 - SN1d180

Summary

| | | | |
|-----------------------|------------------|----------------|-----|
| Dipole | D900V2 - SN1d180 | | |
| Frequency [MHz] | 900.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | 3.4 |
| Power [dBm] | 17.0 | Iso. Error [%] | 0.7 |

Exposure Conditions

| | | | |
|----------------------|------|------------------------|-------|
| Dipole Distance [mm] | 15 | TSL Permittivity | 43.0 |
| Conversion Factor | 9.82 | TSL Conductivity [S/m] | 0.968 |

Hardware Setup

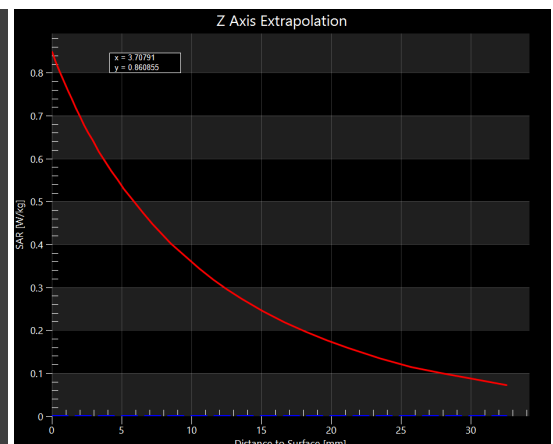
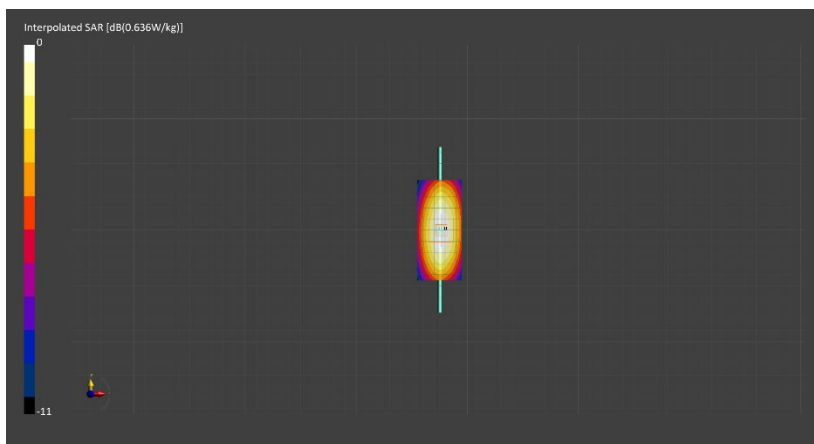
| | | | |
|--------------------------|------------------------------|------------------|---|
| Probe Calibration Date | EX3DV4 - SN7711 2022-03-11 | Phantom | Twin-SAM V5.0 (30deg probe tilt) - SN1742 |
| DAE Calibration Date | DAE4 Sn1716 2022-03-08 | TSL Meas. Date | HBBL-600-10000 2022-Aug-03 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 90.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 86.5 |
| Dist 3dB Peak [mm] | | 16.7 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|-----------|--------------|
| psSAR1g [W/Kg] | 0.547 | 0.545 |
| psSAR10g [W/Kg] | 0.356 | 0.352 |
| Power Drift [dB] | -0.00 | 0.02 |



2022-08-03 System Performance Check Report D1750V2 - SN1136

Summary

| | | | |
|-----------------------|------------------|----------------|------|
| Dipole | D1750V2 - SN1136 | | |
| Frequency [MHz] | 1750.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | -0.1 |
| Power [dBm] | 17.0 | Iso. Error [%] | -0.9 |

Exposure Conditions

| | | | |
|----------------------|------|------------------------|------|
| Dipole Distance [mm] | 10 | TSL Permittivity | 41.4 |
| Conversion Factor | 8.89 | TSL Conductivity [S/m] | 1.38 |

Hardware Setup

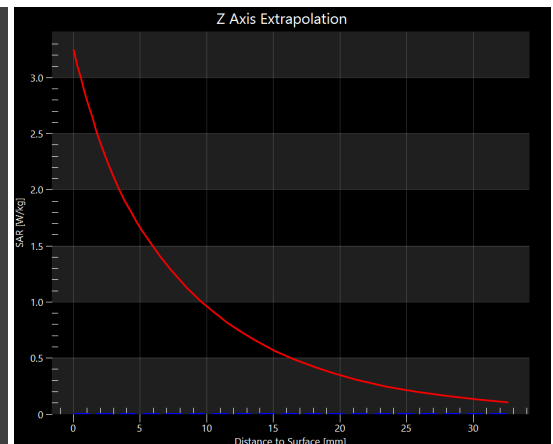
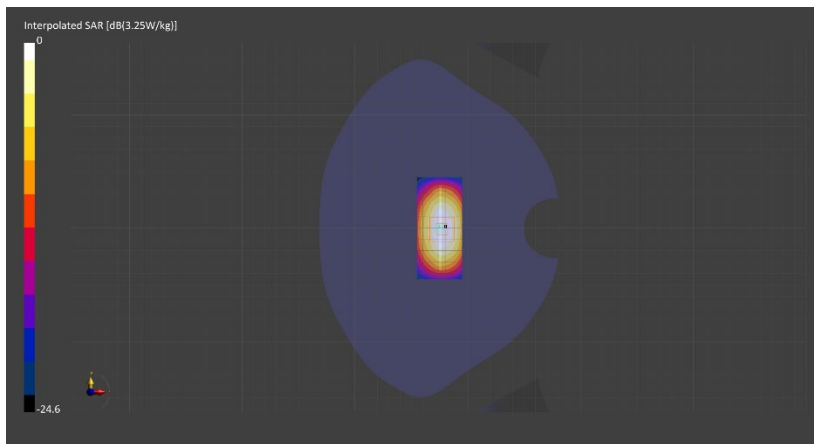
| | | | |
|--------------------------|------------------------------|------------------|---|
| Probe Calibration Date | EX3DV4 - SN7711 2022-03-11 | Phantom | Twin-SAM V5.0 (30deg probe tilt) - SN1742 |
| DAE Calibration Date | DAE4 Sn1716 2022-03-08 | TSL Meas. Date | HBBL-600-10000 2022-Aug-03 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 90.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 80.4 |
| Dist 3dB Peak [mm] | | 10.8 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|-----------|--------------|
| psSAR1g [W/Kg] | 1.69 | 1.71 |
| psSAR10g [W/Kg] | 0.914 | 0.911 |
| Power Drift [dB] | -0.00 | 0.00 |



2022-08-03 System Performance Check Report D2600V2 - SN1104

Summary

| | | | |
|-----------------------|------------------|----------------|------|
| Dipole | D2600V2 - SN1104 | | |
| Frequency [MHz] | 2600.0 | | |
| Phantom Section TSL | Flat HSL | Dev. Peak [%] | 0.9 |
| Power [dBm] | 17.0 | Iso. Error [%] | -0.9 |

Exposure Conditions

| | | | |
|----------------------|------|------------------------|------|
| Dipole Distance [mm] | 10 | TSL Permittivity | 40.3 |
| Conversion Factor | 8.01 | TSL Conductivity [S/m] | 1.96 |

Hardware Setup

| | | | |
|--------------------------|------------------------------|------------------|---|
| Probe Calibration Date | EX3DV4 - SN7711 2022-03-11 | Phantom | Twin-SAM V5.0 (30deg probe tilt) - SN1742 |
| DAE Calibration Date | DAE4 Sn1716 2022-03-08 | TSL Meas. Date | HBBL-600-10000 2022-Aug-03 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|-------------|--------------------|
| Grid Extents [mm] | 40.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |
| Graded Grid | Yes | Yes |
| M2/M1 [%] | | 78.4 |
| Dist 3dB Peak [mm] | | 8.9 |

Measurement Results

| | Area Scan | Zoom Scan |
|------------------|-----------|-------------|
| psSAR1g [W/Kg] | 2.71 | 2.72 |
| psSAR10g [W/Kg] | 1.20 | 1.22 |
| Power Drift [dB] | -0.00 | 0.00 |

