



Total Quality. Assured.

**TEST REPORT**

Intertek Report No.: 180417012SZN-002

**Head TSL parameters at 5300 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters             | 22.0 °C         | 35.9         | 4.76 mho/m       |
| Measured Head TSL parameters            | (22.0 ± 0.2) °C | 35.5 ± 6 %   | 4.67 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Head TSL at 5300 MHz**

| SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL | Condition          |                            |
|---|--------------------|----------------------------|
| SAR measured  | 100 mW input power | 8.42 W/kg                  |
| SAR for nominal Head TSL parameters                   | normalized to 1W   | 84.0 W / kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL | condition          |                          |
|---|--------------------|--------------------------|
| SAR measured  | 100 mW input power | 2.42 W/kg                |
| SAR for nominal Head TSL parameters                     | normalized to 1W   | 24.1 W/kg ± 19.5 % (k=2) |

**Head TSL parameters at 5500 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters             | 22.0 °C         | 35.6         | 4.96 mho/m       |
| Measured Head TSL parameters            | (22.0 ± 0.2) °C | 35.2 ± 6 %   | 4.87 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Head TSL at 5500 MHz**

| SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL | Condition          |                          |
|---|--------------------|--------------------------|
| SAR measured  | 100 mW input power | 8.31 W/kg                |
| SAR for nominal Head TSL parameters                   | normalized to 1W   | 82.8 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL | condition          |                          |
|---|--------------------|--------------------------|
| SAR measured  | 100 mW input power | 2.37 W/kg                |
| SAR for nominal Head TSL parameters                     | normalized to 1W   | 23.6 W/kg ± 19.5 % (k=2) |



Total Quality. Assured.

**TEST REPORT**

Intertek Report No.: 180417012SZN-002

**Head TSL parameters at 5600 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters             | 22.0 °C         | 35.5         | 5.07 mho/m       |
| Measured Head TSL parameters            | (22.0 ± 0.2) °C | 35.0 ± 6 %   | 4.98 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Head TSL at 5600 MHz**

| SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL   | Condition          |                          |
|---|--------------------|--------------------------|
| SAR measured  | 100 mW input power | 8.30 W/kg                |
| SAR for nominal Head TSL parameters                     | normalized to 1W   | 82.7 W/kg ± 19.9 % (k=2) |
| SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL | condition          |                          |
| SAR measured  | 100 mW input power | 2.37 W/kg                |
| SAR for nominal Head TSL parameters                     | normalized to 1W   | 23.6 W/kg ± 19.5 % (k=2) |

**Head TSL parameters at 5800 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters             | 22.0 °C         | 35.3         | 5.27 mho/m       |
| Measured Head TSL parameters            | (22.0 ± 0.2) °C | 34.7 ± 6 %   | 5.19 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Head TSL at 5800 MHz**

| SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL   | Condition          |                          |
|---|--------------------|--------------------------|
| SAR measured  | 100 mW input power | 7.96 W/kg                |
| SAR for nominal Head TSL parameters                     | normalized to 1W   | 79.3 W/kg ± 19.9 % (k=2) |
| SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL | condition          |                          |
| SAR measured  | 100 mW input power | 2.27 W/kg                |
| SAR for nominal Head TSL parameters                     | normalized to 1W   | 22.6 W/kg ± 19.5 % (k=2) |



Total Quality. Assured.

**TEST REPORT**

Intertek Report No.: 180417012SZN-002

**Body TSL parameters at 5200 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters             | 22.0 °C         | 49.0         | 5.30 mho/m       |
| Measured Body TSL parameters            | (22.0 ± 0.2) °C | 47.3 ± 6 %   | 5.43 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Body TSL at 5200 MHz**

|   |                    |                          |
|---|--------------------|--------------------------|
| SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL | Condition          |                          |
| SAR measured  | 100 mW input power | 7.59 W/kg                |
| SAR for nominal Body TSL parameters                   | normalized to 1W   | 75.4 W/kg ± 19.9 % (k=2) |

|   |                    |                          |
|---|--------------------|--------------------------|
| SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL | condition          |                          |
| SAR measured  | 100 mW input power | 2.14 W/kg                |
| SAR for nominal Body TSL parameters                     | normalized to 1W   | 21.2 W/kg ± 19.5 % (k=2) |

**Body TSL parameters at 5300 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters             | 22.0 °C         | 48.9         | 5.42 mho/m       |
| Measured Body TSL parameters            | (22.0 ± 0.2) °C | 47.1 ± 6 %   | 5.56 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Body TSL at 5300 MHz**

|   |                    |                          |
|---|--------------------|--------------------------|
| SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL | Condition          |                          |
| SAR measured  | 100 mW input power | 7.62 W/kg                |
| SAR for nominal Body TSL parameters                   | normalized to 1W   | 75.7 W/kg ± 19.9 % (k=2) |

|   |                    |                          |
|---|--------------------|--------------------------|
| SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL | condition          |                          |
| SAR measured  | 100 mW input power | 2.15 W/kg                |
| SAR for nominal Body TSL parameters                     | normalized to 1W   | 21.3 W/kg ± 19.5 % (k=2) |



Total Quality. Assured.

**TEST REPORT**

Intertek Report No.: 180417012SZN-002

**Body TSL parameters at 5500 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters             | 22.0 °C         | 48.6         | 5.65 mho/m       |
| Measured Body TSL parameters            | (22.0 ± 0.2) °C | 46.8 ± 6 %   | 5.82 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Body TSL at 5500 MHz**

|   |                    |                          |
|---|--------------------|--------------------------|
| SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL | Condition          |                          |
| SAR measured  | 100 mW input power | 8.14 W/kg                |
| SAR for nominal Body TSL parameters                   | normalized to 1W   | 80.9 W/kg ± 19.9 % (k=2) |

|   |                    |                          |
|---|--------------------|--------------------------|
| SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL | condition          |                          |
| SAR measured  | 100 mW input power | 2.28 W/kg                |
| SAR for nominal Body TSL parameters                     | normalized to 1W   | 22.6 W/kg ± 19.5 % (k=2) |

**Body TSL parameters at 5600 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters             | 22.0 °C         | 48.5         | 5.77 mho/m       |
| Measured Body TSL parameters            | (22.0 ± 0.2) °C | 46.6 ± 6 %   | 5.96 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Body TSL at 5600 MHz**

|   |                    |                          |
|---|--------------------|--------------------------|
| SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL | Condition          |                          |
| SAR measured  | 100 mW input power | 7.90 W/kg                |
| SAR for nominal Body TSL parameters                   | normalized to 1W   | 78.5 W/kg ± 19.9 % (k=2) |

|   |                    |                          |
|---|--------------------|--------------------------|
| SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL | condition          |                          |
| SAR measured  | 100 mW input power | 2.20 W/kg                |
| SAR for nominal Body TSL parameters                     | normalized to 1W   | 21.8 W/kg ± 19.5 % (k=2) |



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**TEST REPORT**

Intertek Report No.: 180417012SZN-002

**Body TSL parameters at 5800 MHz**

The following parameters and calculations were applied.

|   | Temperature     | Permittivity | Conductivity     |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters             | 22.0 °C         | 48.2         | 6.00 mho/m       |
| Measured Body TSL parameters            | (22.0 ± 0.2) °C | 46.3 ± 6 %   | 6.23 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C        | ----         | ----             |

**SAR result with Body TSL at 5800 MHz**

| SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL | Condition          |                          |
|---|--------------------|--------------------------|
| SAR measured  | 100 mW input power | 7.73 W/kg                |
| SAR for nominal Body TSL parameters                   | normalized to 1W   | 76.8 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL | condition          |                          |
|---|--------------------|--------------------------|
| SAR measured  | 100 mW input power | 2.14 W/kg                |
| SAR for nominal Body TSL parameters                     | normalized to 1W   | 21.2 W/kg ± 19.5 % (k=2) |



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**TEST REPORT**

Intertek Report No.: 180417012SZN-002

**Appendix (Additional assessments outside the scope of SCS 0108)**

**Antenna Parameters with Head TSL at 5200 MHz**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Impedance, transformed to feed point | $50.0 \Omega - 4.5 j\Omega$ |
| Return Loss                          | - 27.0 dB                   |

**Antenna Parameters with Head TSL at 5300 MHz**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Impedance, transformed to feed point | $49.7 \Omega - 0.4 j\Omega$ |
| Return Loss                          | - 45.9 dB                   |

**Antenna Parameters with Head TSL at 5500 MHz**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Impedance, transformed to feed point | $46.5 \Omega + 0.1 j\Omega$ |
| Return Loss                          | - 28.7 dB                   |

**Antenna Parameters with Head TSL at 5600 MHz**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Impedance, transformed to feed point | $50.4 \Omega - 3.3 j\Omega$ |
| Return Loss                          | - 29.6 dB                   |

**Antenna Parameters with Head TSL at 5800 MHz**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Impedance, transformed to feed point | $57.3 \Omega + 5.3 j\Omega$ |
| Return Loss                          | - 21.5 dB                   |

**Antenna Parameters with Body TSL at 5200 MHz**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Impedance, transformed to feed point | $50.2 \Omega - 4.0 j\Omega$ |
| Return Loss                          | - 27.9 dB                   |

**Antenna Parameters with Body TSL at 5300 MHz**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Impedance, transformed to feed point | $49.2 \Omega + 0.3 j\Omega$ |
| Return Loss                          | - 41.2 dB                   |

**Antenna Parameters with Body TSL at 5500 MHz**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Impedance, transformed to feed point | $46.4 \Omega + 1.5 j\Omega$ |
| Return Loss                          | - 27.9 dB                   |



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**TEST REPORT**

Intertek Report No.: 180417012SZN-002

**Antenna Parameters with Body TSL at 5600 MHz**

|                                      |                               |
|--------------------------------------|-------------------------------|
| Impedance, transformed to feed point | 50.6 $\Omega$ - 3.5 $j\Omega$ |
| Return Loss                          | - 29.0 dB                     |

**Antenna Parameters with Body TSL at 5800 MHz**

|                                      |                               |
|--------------------------------------|-------------------------------|
| Impedance, transformed to feed point | 56.8 $\Omega$ + 6.0 $j\Omega$ |
| Return Loss                          | - 21.4 dB                     |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.187 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |                   |
|-----------------|-------------------|
| Manufactured by | SPEAG             |
| Manufactured on | February 02, 2015 |



Total Quality. Assured.

TEST REPORT

Intertek Report No.: 180417012SZN-002

**DASY5 Validation Report for Head TSL**

Date: 10.06.2015

Test Laboratory: SPEAG, Zurich, Switzerland

**DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1218**

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5300 MHz, Frequency: 5500 MHz, Frequency: 5600 MHz, Frequency: 5800 MHz

Medium parameters used:  $f = 5200 \text{ MHz}$ ;  $\sigma = 4.56 \text{ S/m}$ ;  $\epsilon_r = 36.6$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 4.67 \text{ S/m}$ ;  $\epsilon_r = 35.5$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 4.87 \text{ S/m}$ ;  $\epsilon_r = 35.2$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used:  $f = 5600 \text{ MHz}$ ;  $\sigma = 4.98 \text{ S/m}$ ;  $\epsilon_r = 35$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 5.19 \text{ S/m}$ ;  $\epsilon_r = 34.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN3503; ConvF(5.51, 5.51, 5.51); Calibrated: 30.12.2014, ConvF(5.21, 5.21, 5.21); Calibrated: 30.12.2014, ConvF(5.12, 5.12, 5.12); Calibrated: 30.12.2014, ConvF(4.92, 4.92, 4.92); Calibrated: 30.12.2014, ConvF(4.9, 4.9, 4.9); Calibrated: 30.12.2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 18.08.2014
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5200 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 63.73 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 28.4 W/kg

**SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.27 W/kg**

Maximum value of SAR (measured) = 18.2 W/kg

**Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5300 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 65.02 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 31.3 W/kg

**SAR(1 g) = 8.42 W/kg; SAR(10 g) = 2.42 W/kg**

Maximum value of SAR (measured) = 19.6 W/kg

**Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5500 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

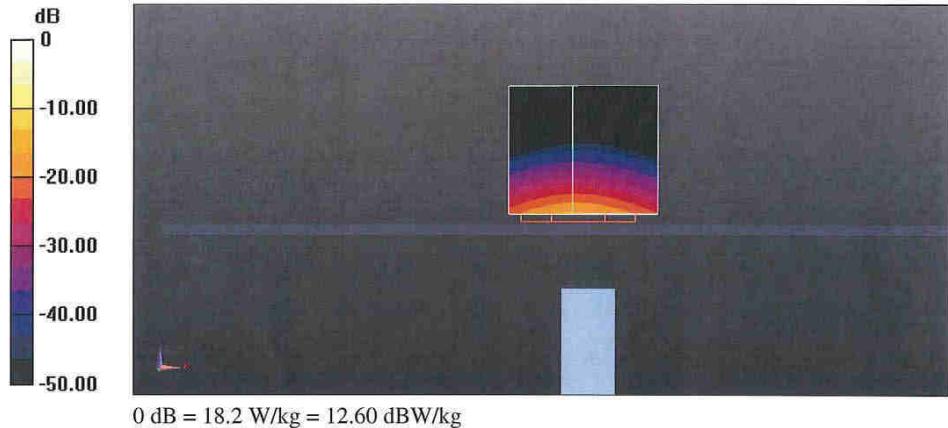
Reference Value = 63.70 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 32.3 W/kg

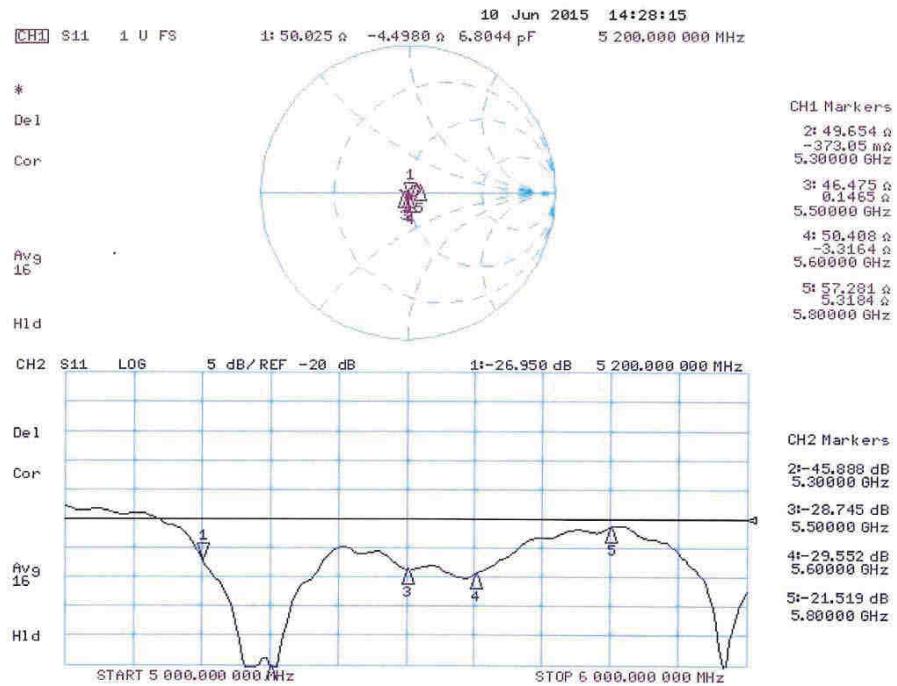
**SAR(1 g) = 8.31 W/kg; SAR(10 g) = 2.37 W/kg**

**Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 63.37 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 32.4 W/kg  
**SAR(1 g) = 8.3 W/kg; SAR(10 g) = 2.37 W/kg**  
Maximum value of SAR (measured) = 19.7 W/kg

**Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 61.09 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 32.6 W/kg  
**SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.27 W/kg**  
Maximum value of SAR (measured) = 19.2 W/kg



### Impedance Measurement Plot for Head TSL





Total Quality. Assured.

**TEST REPORT**

Intertek Report No.: 180417012SZN-002

**DASY5 Validation Report for Body TSL**

Date: 09.06.2015

Test Laboratory: SPEAG, Zurich, Switzerland

**DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1218**

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5300 MHz, Frequency: 5500 MHz, Frequency: 5600 MHz, Frequency: 5800 MHz

Medium parameters used:  $f = 5200 \text{ MHz}$ ;  $\sigma = 5.43 \text{ S/m}$ ;  $\epsilon_r = 47.3$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.56 \text{ S/m}$ ;  $\epsilon_r = 47.1$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 5.82 \text{ S/m}$ ;  $\epsilon_r = 46.8$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used:  $f = 5600 \text{ MHz}$ ;  $\sigma = 5.96 \text{ S/m}$ ;  $\epsilon_r = 46.6$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 6.23 \text{ S/m}$ ;  $\epsilon_r = 46.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN3503; ConvF(4.95, 4.95, 4.95); Calibrated: 30.12.2014, ConvF(4.78, 4.78, 4.78); Calibrated: 30.12.2014, ConvF(4.45, 4.45, 4.45); Calibrated: 30.12.2014, ConvF(4.35, 4.35, 4.35); Calibrated: 30.12.2014, ConvF(4.32, 4.32, 4.32); Calibrated: 30.12.2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 18.08.2014
- Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; Serial: 1002
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5200 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 59.50 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 28.4 W/kg

SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 17.3 W/kg

**Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5300 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.68 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 7.62 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 17.5 W/kg

**Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5500 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 59.63 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 33.1 W/kg

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 19.2 W/kg

**Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan,****dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.22 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 33.0 W/kg

SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.2 W/kg

Maximum value of SAR (measured) = 18.8 W/kg

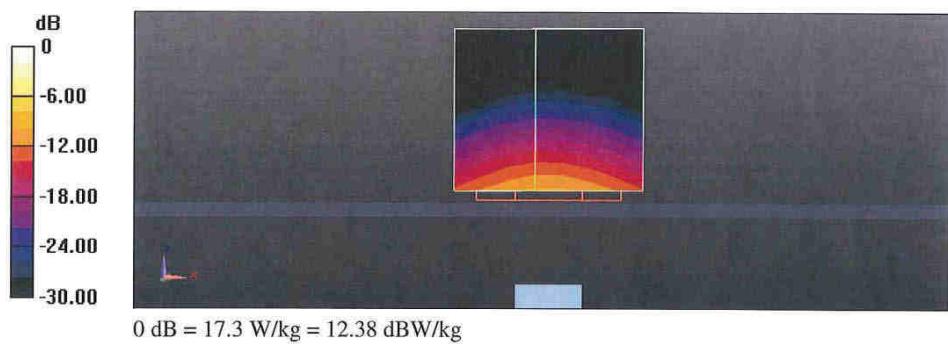
**Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan,****dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 55.97 V/m; Power Drift = 0.02 dB

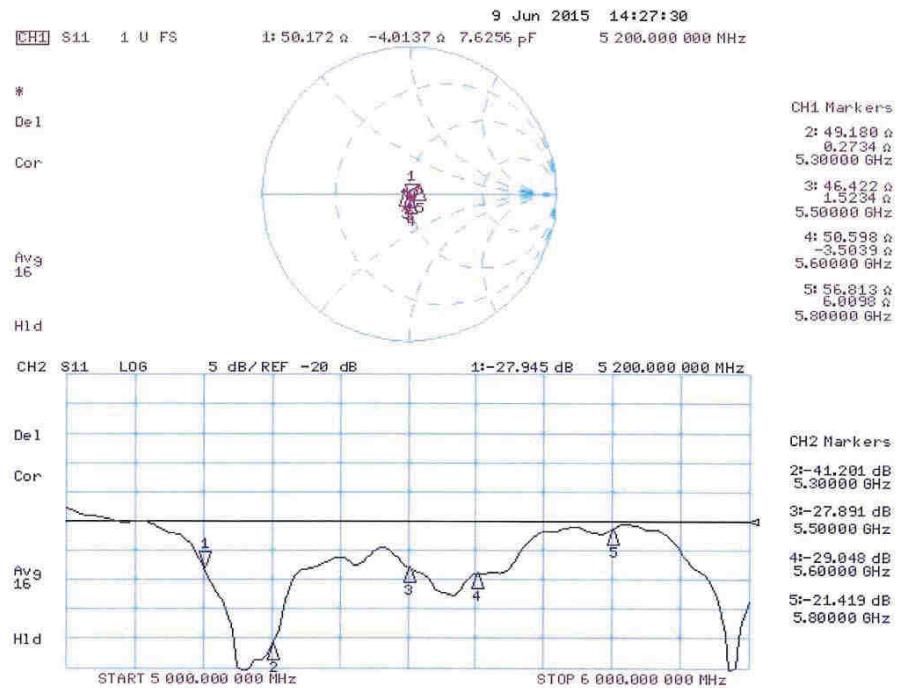
Peak SAR (extrapolated) = 34.3 W/kg

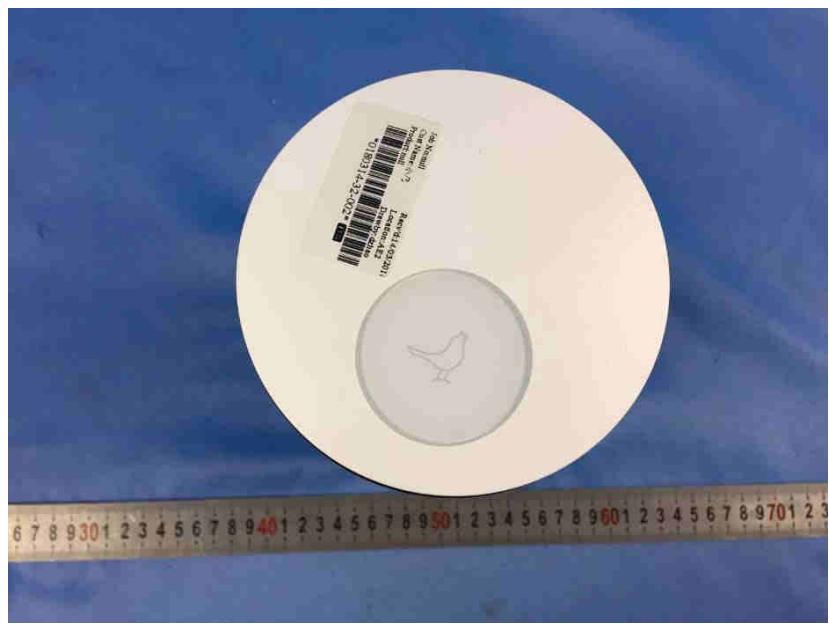
SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 18.7 W/kg



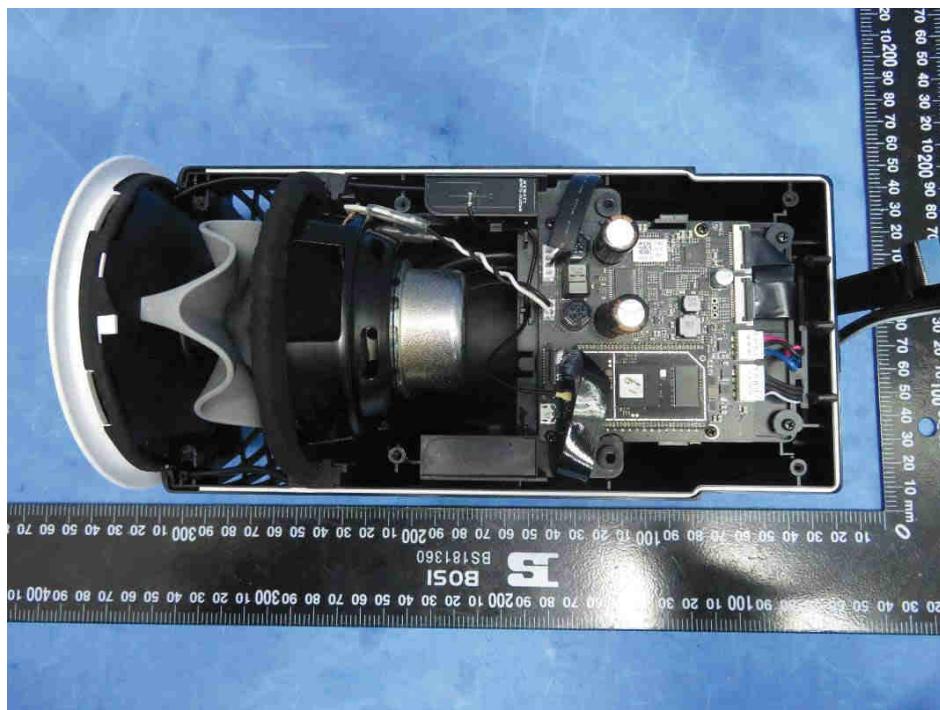
### Impedance Measurement Plot for Body TSL

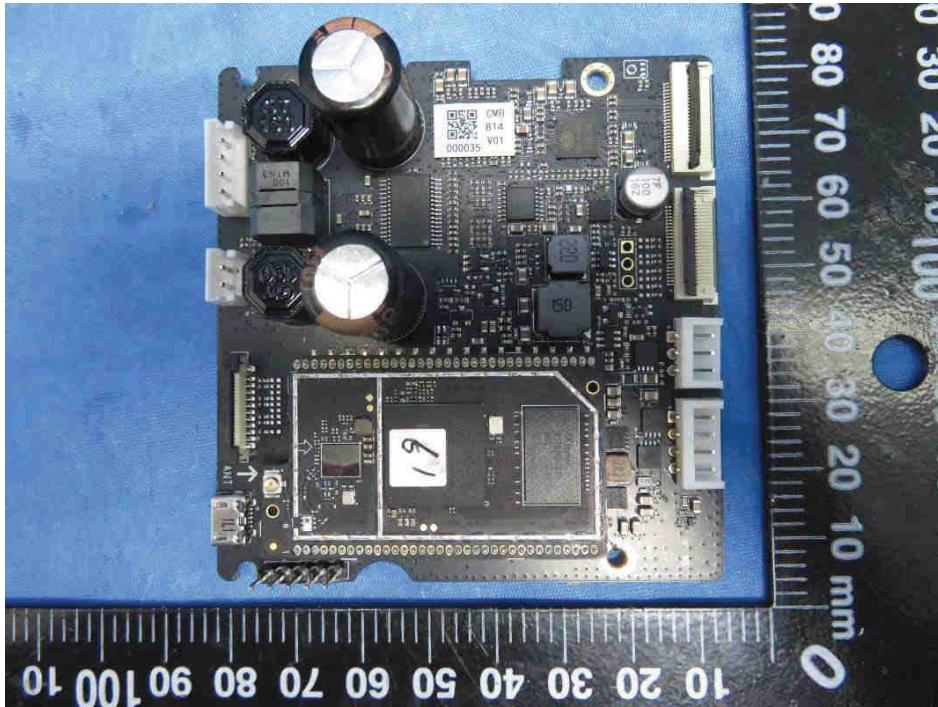


**ANNEX F: DUT PHOTOS****EXTERNAL PHOTOS**



## INTERNAL PHOTOS







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TEST REPORT

Intertek Report No.: 180417012SZN-002

