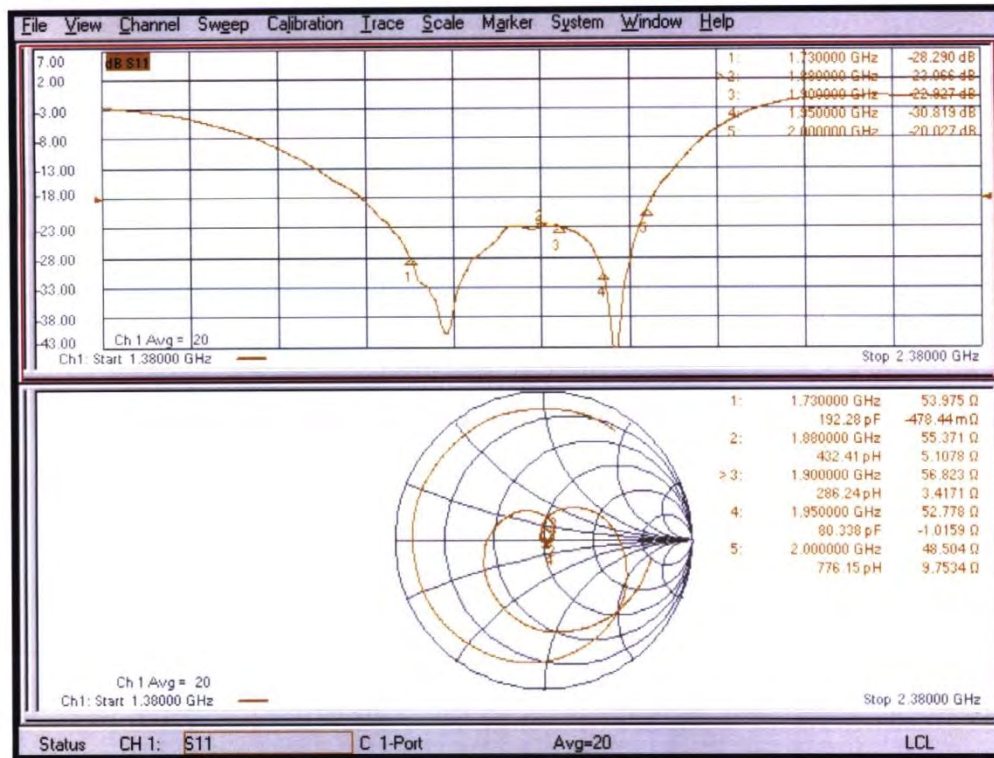


## Impedance Measurement Plot



## DASY5 E-field Result

Date: 15.08.2023

Test Laboratory: SPEAG Lab2

**DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: CD1880V3 - SN: 1018**

Communication System: UID 0 - CW ; Frequency: 1880 MHz  
Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

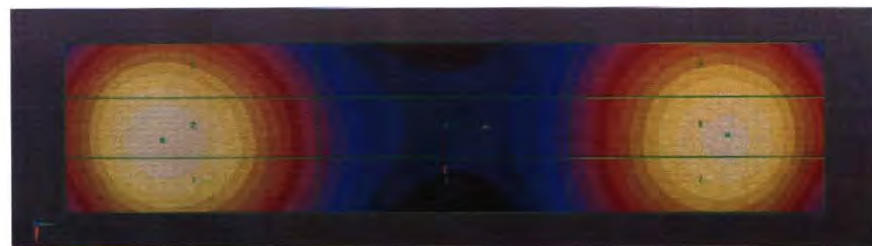
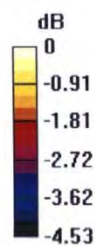
- Probe: EF3DV3 - SN4013; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 30.12.2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 03.01.2023
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Dipole E-Field measurement @ 1880MHz - E-Scan - 1880MHz d=15mm/Hearing Aid Compatibility Test (41x181x1):**

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 150.8 V/m; Power Drift = 0.01 dB  
Applied MIF = 0.00 dB  
RF audio interference level = 38.81 dBV/m  
**Emission category: M2**

MIF scaled E-field

|             |             |             |
|-------------|-------------|-------------|
| Grid 1 M2   | Grid 2 M2   | Grid 3 M2   |
| 38.77 dBV/m | 38.81 dBV/m | 38.44 dBV/m |
| Grid 4 M2   | Grid 5 M2   | Grid 6 M2   |
| 36.08 dBV/m | 36.09 dBV/m | 35.86 dBV/m |
| Grid 7 M2   | Grid 8 M2   | Grid 9 M2   |
| 38.57 dBV/m | 38.63 dBV/m | 38.28 dBV/m |



0 dB = 87.25 V/m = 38.81 dBV/m

## Dipole 2600 MHz

**Calibration Laboratory of**  
Schmid & Partner  
Engineering AG  
Zeughausstrasse 43, 8004 Zurich, Switzerland



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S Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Client **CTTL**  
**Beijing**

Certificate No. **CD2600V3-1017\_Aug23**

### CALIBRATION CERTIFICATE

Object **CD2600V3 - SN: 1017**

Calibration procedure(s) **QA CAL-20.v7**  
**Calibration Procedure for Validation Sources in air**

Calibration date: **August 15, 2023**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature ( $22 \pm 3$ )°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards           | ID #               | Cal Date (Certificate No.)      | Scheduled Calibration |
|-----------------------------|--------------------|---------------------------------|-----------------------|
| Power meter NRP2            | SN: 104778         | 30-Mar-23 (No. 217-03804/03805) | Mar-24                |
| Power sensor NRP-Z91        | SN: 103244         | 30-Mar-23 (No. 217-03804)       | Mar-24                |
| Power sensor NRP-Z91        | SN: 103245         | 30-Mar-23 (No. 217-03805)       | Mar-24                |
| Reference 20 dB Attenuator  | SN: BH9394 (20k)   | 30-Mar-23 (No. 217-03809)       | Mar-24                |
| Type-N mismatch combination | SN: 310982 / 06327 | 30-Mar-23 (No. 217-03810)       | Mar-24                |
| Probe EF3DV3                | SN: 4013           | 30-Dec-22 (No. EF3-4013_Dec22)  | Dec-23                |
| DAE4                        | SN: 781            | 03-Jan-23 (No. DAE4-781_Jan23)  | Jan-24                |

| Secondary Standards             | ID #           | Check Date (in house)             | Scheduled Check        |
|---------------------------------|----------------|-----------------------------------|------------------------|
| Power meter Agilent 4419B       | SN: GB42420191 | 09-Oct-09 (in house check Oct-20) | In house check: Oct-23 |
| Power sensor HP E4412A          | SN: US38485102 | 05-Jan-10 (in house check Oct-20) | In house check: Oct-23 |
| Power sensor HP 8482A           | SN: US37295597 | 09-Oct-09 (in house check Oct-20) | In house check: Oct-23 |
| RF generator R&S SMT-06         | SN: 837633/005 | 10-Jan-19 (in house check Oct-20) | In house check: Oct-23 |
| Network Analyzer Agilent E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-22) | In house check: Oct-24 |

Calibrated by: **Claudio Leubler** **Laboratory Technician**

Approved by: **Niels Kuster** **Quality Manager**

Signature  


Issued: August 17, 2023

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

**Calibration Laboratory of**

Schmid &amp; Partner

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



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**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accreditation No.: **SCS 0108**

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

**References**

- [1] ANSI-C63.19-2019 (ANSI-C63.19-2011)  
American National Standard, Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids.

**Methods Applied and Interpretation of Parameters:**

- **Coordinate System:** y-axis is in the direction of the dipole arms. z-axis is from the basis of the antenna (mounted on the table) towards its feed point between the two dipole arms. x-axis is normal to the other axes. In coincidence with the standards [1], the measurement planes (probe sensor center) are selected to be at a distance of 15 mm above the top metal edge of the dipole arms.
- **Measurement Conditions:** Further details are available from the hardcopies at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated. The forward power to the dipole connector is set with a calibrated power meter connected and monitored with an auxiliary power meter connected to a directional coupler. While the dipole under test is connected, the forward power is adjusted to the same level.
- **Antenna Positioning:** The dipole is mounted on a HAC Test Arch phantom using the matching dipole positioner with the arms horizontal and the feeding cable coming from the floor. The measurements are performed in a shielded room with absorbers around the setup to reduce the reflections. It is verified before the mounting of the dipole under the Test Arch phantom, that its arms are perfectly in a line. It is installed on the HAC dipole positioner with its arms parallel below the dielectric reference wire and able to move elastically in vertical direction without changing its relative position to the top center of the Test Arch phantom. The vertical distance to the probe is adjusted after dipole mounting with a DASY5 Surface Check job. Before the measurement, the distance between phantom surface and probe tip is verified. The proper measurement distance is selected by choosing the matching section of the HAC Test Arch phantom with the proper device reference point (upper surface of the dipole) and the matching grid reference point (tip of the probe) considering the probe sensor offset. The vertical distance to the probe is essential for the accuracy.
- **Feed Point Impedance and Return Loss:** These parameters are measured using a Vector Network Analyzer. The impedance is specified at the SMA connector of the dipole. The influence of reflections was eliminating by applying the averaging function while moving the dipole in the air, at least 70cm away from any obstacles.
- **E-field distribution:** E field is measured in the x-y-plane with an isotropic E-field probe with 100 mW forward power to the antenna feed point. In accordance with [1], the scan area is 20mm wide, its length exceeds the dipole arm length (180 or 90mm). The sensor center is 15 mm (in z) above the metal top of the dipole arms. Two 3D maxima are available near the end of the dipole arms. Assuming the dipole arms are perfectly in one line, the average of these two maxima (in subgrid 2 and subgrid 8) is determined to compensate for any non-parallelity to the measurement plane as well as the sensor displacement. The E-field value stated as calibration value represents the maximum of the interpolated 3D-E-field, in the plane above the dipole surface.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

### Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                                    |                      |          |
|------------------------------------|----------------------|----------|
| DASY Version                       | DASY5                | V52.10.4 |
| Phantom                            | HAC Test Arch        |          |
| Distance Dipole Top - Probe Center | 15 mm                |          |
| Scan resolution                    | dx, dy = 5 mm        |          |
| Frequency                          | 2600 MHz $\pm$ 1 MHz |          |
| Input power drift                  | < 0.05 dB            |          |

### Maximum Field values at 2600 MHz

| E-field 15 mm above dipole surface | condition          | Interpolated maximum                          |
|------------------------------------|--------------------|-----------------------------------------------|
| Maximum measured above high end    | 100 mW input power | 86.3 V/m = 38.72 dBV/m                        |
| Maximum measured above low end     | 100 mW input power | 85.4 V/m = 38.63 dBV/m                        |
| Averaged maximum above arm         | 100 mW input power | <b>85.8 V/m <math>\pm</math> 12.8 % (k=2)</b> |

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

#### Antenna Parameters

| Frequency | Return Loss | Impedance                       |
|-----------|-------------|---------------------------------|
| 2450 MHz  | 25.2 dB     | 44.9 $\Omega$ + 1.0 j $\Omega$  |
| 2550 MHz  | 22.5 dB     | 57.4 $\Omega$ + 3.1 j $\Omega$  |
| 2600 MHz  | 20.8 dB     | 59.0 $\Omega$ - 4.1 j $\Omega$  |
| 2650 MHz  | 19.8 dB     | 55.2 $\Omega$ - 9.5 j $\Omega$  |
| 2750 MHz  | 15.9 dB     | 41.9 $\Omega$ - 12.4 j $\Omega$ |

#### 3.2 Antenna Design and Handling

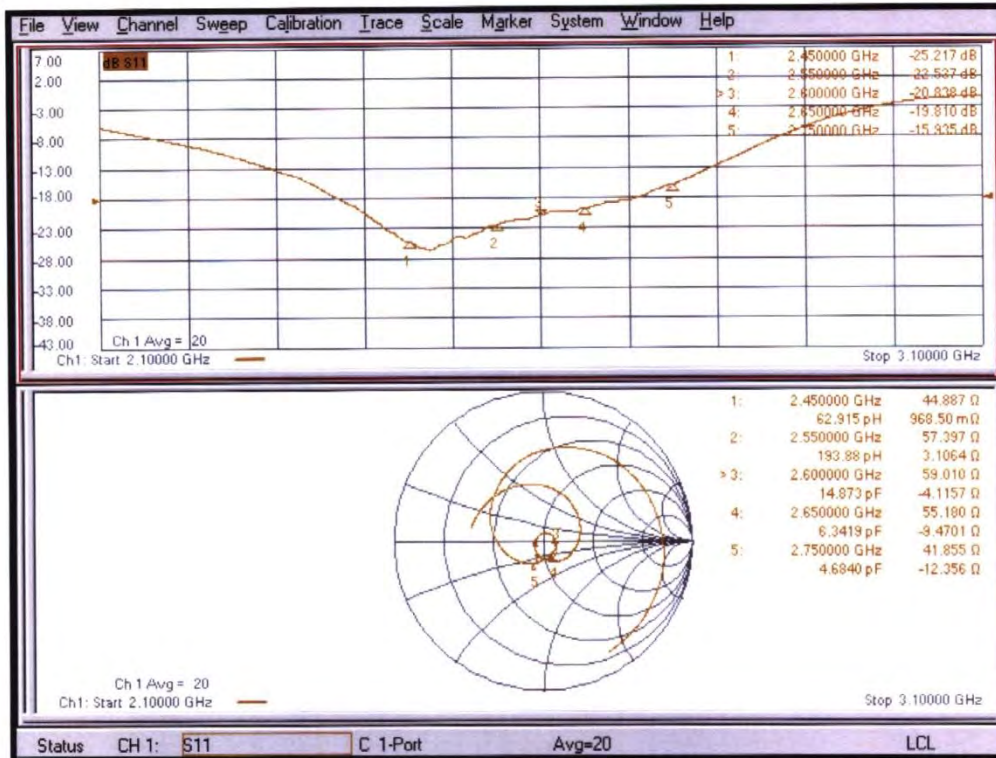
The calibration dipole has a symmetric geometry with a built-in two stub matching network, which leads to the enhanced bandwidth.

The dipole is built of standard semirigid coaxial cable. The internal matching line is open ended. The antenna is therefore open for DC signals.

Do not apply force to dipole arms, as they are liable to bend. The soldered connections near the feedpoint may be damaged. After excessive mechanical stress or overheating, check the impedance characteristics to ensure that the internal matching network is not affected.

After long term use with 40W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

## Impedance Measurement Plot



## DASY5 E-field Result

Date: 15.08.2023

Test Laboratory: SPEAG Lab2

**DUT: HAC Dipole 2600 MHz; Type: CD2600V3; Serial: CD2600V3 - SN: 1017**

Communication System: UID 0 - CW; Frequency: 2600 MHz  
Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

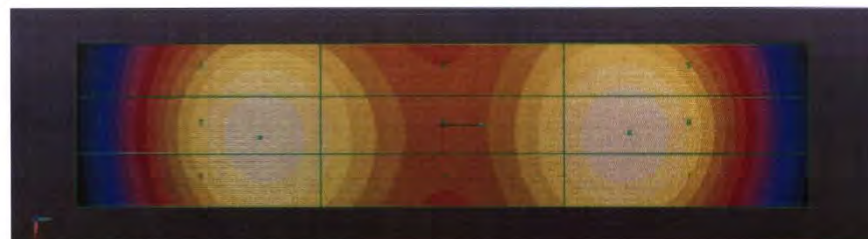
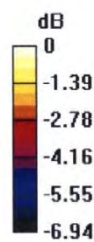
- Probe: EF3DV3 - SN4013; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 30.12.2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 03.01.2023
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Dipole E-Field measurement @ 2600MHz/E-Scan - 2600MHz d=15mm/Hearing Aid Compatibility Test (41x181x1):**

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 69.31 V/m; Power Drift = 0.01 dB  
Applied MIF = 0.00 dB  
RF audio interference level = 38.72 dBV/m  
**Emission category: M2**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M2<br>38.58 dBV/m | Grid 2 M2<br>38.63 dBV/m | Grid 3 M2<br>38.31 dBV/m |
| Grid 4 M2<br>37.99 dBV/m | Grid 5 M2<br>38.01 dBV/m | Grid 6 M2<br>37.73 dBV/m |
| Grid 7 M2<br>38.64 dBV/m | Grid 8 M2<br>38.72 dBV/m | Grid 9 M2<br>38.42 dBV/m |



0 dB = 86.27 V/m = 38.72 dBV/m

## Dipole 3500 MHz

**Calibration Laboratory of**  
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Zeughausstrasse 43, 8004 Zurich, Switzerland



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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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Multilateral Agreement for the recognition of calibration certificates

Client **CTTL**  
**Beijing**

Certificate No. **CD3500V3-1008\_Aug23**

### CALIBRATION CERTIFICATE

Object **CD3500V3 - SN: 1008**

Calibration procedure(s) **QA CAL-20.v7**  
**Calibration Procedure for Validation Sources in air**

Calibration date: **August 16, 2023**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards           | ID #               | Cal Date (Certificate No.)      | Scheduled Calibration |
|-----------------------------|--------------------|---------------------------------|-----------------------|
| Power meter NRP2            | SN: 104778         | 30-Mar-23 (No. 217-03804/03805) | Mar-24                |
| Power sensor NRP-Z91        | SN: 103244         | 30-Mar-23 (No. 217-03804)       | Mar-24                |
| Power sensor NRP-Z91        | SN: 103245         | 30-Mar-23 (No. 217-03805)       | Mar-24                |
| Reference 20 dB Attenuator  | SN: BH9394 (20k)   | 30-Mar-23 (No. 217-03809)       | Mar-24                |
| Type-N mismatch combination | SN: 310982 / 06327 | 30-Mar-23 (No. 217-03810)       | Mar-24                |
| Probe EF3DV3                | SN: 4013           | 30-Dec-22 (No. EF3-4013_Dec22)  | Dec-23                |
| DAE4                        | SN: 781            | 03-Jan-23 (No. DAE4-781_Jan23)  | Jan-24                |

| Secondary Standards             | ID #           | Check Date (in house)             | Scheduled Check        |
|---------------------------------|----------------|-----------------------------------|------------------------|
| Power meter Agilent 4419B       | SN: GB42420191 | 09-Oct-09 (in house check Oct-20) | In house check: Oct-23 |
| Power sensor HP E4412A          | SN: US38485102 | 05-Jan-10 (in house check Oct-20) | In house check: Oct-23 |
| Power sensor HP 8482A           | SN: US37295597 | 09-Oct-09 (in house check Oct-20) | In house check: Oct-23 |
| RF generator R&S SMT-06         | SN: 837633/005 | 10-Jan-19 (in house check Oct-20) | In house check: Oct-23 |
| Network Analyzer Agilent E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-22) | In house check: Oct-24 |

Calibrated by: **Claudio Leubler** **Laboratory Technician**

Approved by: **Niels Kuster** **Quality Manager**

Signature  


Issued: August 17, 2023

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**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

## References

- [1] ANSI-C63.19-2019 (ANSI-C63.19-2011)  
American National Standard, Methods of Measurement of Compatibility between Wireless Communications  
Devices and Hearing Aids.

## Methods Applied and Interpretation of Parameters:

- Coordinate System:** y-axis is in the direction of the dipole arms. z-axis is from the basis of the antenna (mounted on the table) towards its feed point between the two dipole arms. x-axis is normal to the other axes. In coincidence with the standards [1], the measurement planes (probe sensor center) are selected to be at a distance of 15 mm above the top metal edge of the dipole arms.
- Measurement Conditions:** Further details are available from the hardcopies at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated. The forward power to the dipole connector is set with a calibrated power meter connected and monitored with an auxiliary power meter connected to a directional coupler. While the dipole under test is connected, the forward power is adjusted to the same level.
- Antenna Positioning:** The dipole is mounted on a HAC Test Arch phantom using the matching dipole positioner with the arms horizontal and the feeding cable coming from the floor. The measurements are performed in a shielded room with absorbers around the setup to reduce the reflections. It is verified before the mounting of the dipole under the Test Arch phantom, that its arms are perfectly in a line. It is installed on the HAC dipole positioner with its arms parallel below the dielectric reference wire and able to move elastically in vertical direction without changing its relative position to the top center of the Test Arch phantom. The vertical distance to the probe is adjusted after dipole mounting with a DASY5 Surface Check job. Before the measurement, the distance between phantom surface and probe tip is verified. The proper measurement distance is selected by choosing the matching section of the HAC Test Arch phantom with the proper device reference point (upper surface of the dipole) and the matching grid reference point (tip of the probe) considering the probe sensor offset. The vertical distance to the probe is essential for the accuracy.
- Feed Point Impedance and Return Loss:** These parameters are measured using a Vector Network Analyzer. The impedance is specified at the SMA connector of the dipole. The influence of reflections was eliminating by applying the averaging function while moving the dipole in the air, at least 70cm away from any obstacles.
- E-field distribution:** E field is measured in the x-y-plane with an isotropic E-field probe with 100 mW forward power to the antenna feed point. In accordance with [1], the scan area is 20mm wide, its length exceeds the dipole arm length (180 or 90mm). The sensor center is 15 mm (in z) above the metal top of the dipole arms. Two 3D maxima are available near the end of the dipole arms. Assuming the dipole arms are perfectly in one line, the average of these two maxima (in subgrid 2 and subgrid 8) is determined to compensate for any non-parallelity to the measurement plane as well as the sensor displacement. The E-field value stated as calibration value represents the maximum of the interpolated 3D-E-field, in the plane above the dipole surface.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

### Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                                    |                      |          |
|------------------------------------|----------------------|----------|
| DASY Version                       | DASY5                | V52.10.4 |
| Phantom                            | HAC Test Arch        |          |
| Distance Dipole Top - Probe Center | 15 mm                |          |
| Scan resolution                    | dx, dy = 5 mm        |          |
| Frequency                          | 3500 MHz $\pm$ 1 MHz |          |
| Input power drift                  | < 0.05 dB            |          |

### Maximum Field values at 3500 MHz

| E-field 15 mm above dipole surface | condition          | Interpolated maximum                          |
|------------------------------------|--------------------|-----------------------------------------------|
| Maximum measured above high end    | 100 mW input power | 84.1 V/m = 38.50 dBV/m                        |
| Maximum measured above low end     | 100 mW input power | 83.3 V/m = 38.41 dBV/m                        |
| Averaged maximum above arm         | 100 mW input power | <b>83.7 V/m <math>\pm</math> 12.8 % (k=2)</b> |

### Maximum Field values at 3900 MHz

| E-field 15 mm above dipole surface | condition          | Interpolated maximum                          |
|------------------------------------|--------------------|-----------------------------------------------|
| Maximum measured above high end    | 100 mW input power | 81.0 V/m = 38.17 dBV/m                        |
| Maximum measured above low end     | 100 mW input power | 79.5 V/m = 38.00 dBV/m                        |
| Averaged maximum above arm         | 100 mW input power | <b>80.2 V/m <math>\pm</math> 12.8 % (k=2)</b> |

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

| Frequency | Return Loss | Impedance                    |
|-----------|-------------|------------------------------|
| 3300 MHz  | 19.2 dB     | $61.8 \Omega + 3.5 j\Omega$  |
| 3400 MHz  | 24.1 dB     | $55.4 \Omega - 3.8 j\Omega$  |
| 3500 MHz  | 25.1 dB     | $52.2 \Omega - 5.2 j\Omega$  |
| 3600 MHz  | 22.4 dB     | $47.4 \Omega - 7.0 j\Omega$  |
| 3950 MHz  | 19.4 dB     | $52.4 \Omega + 10.7 j\Omega$ |

**Additional Frequencies**

| Frequency | Return Loss | Impedance                   |
|-----------|-------------|-----------------------------|
| 3900 MHz  | 20.8 dB     | $48.9 \Omega + 9.0 j\Omega$ |

**3.2 Antenna Design and Handling**

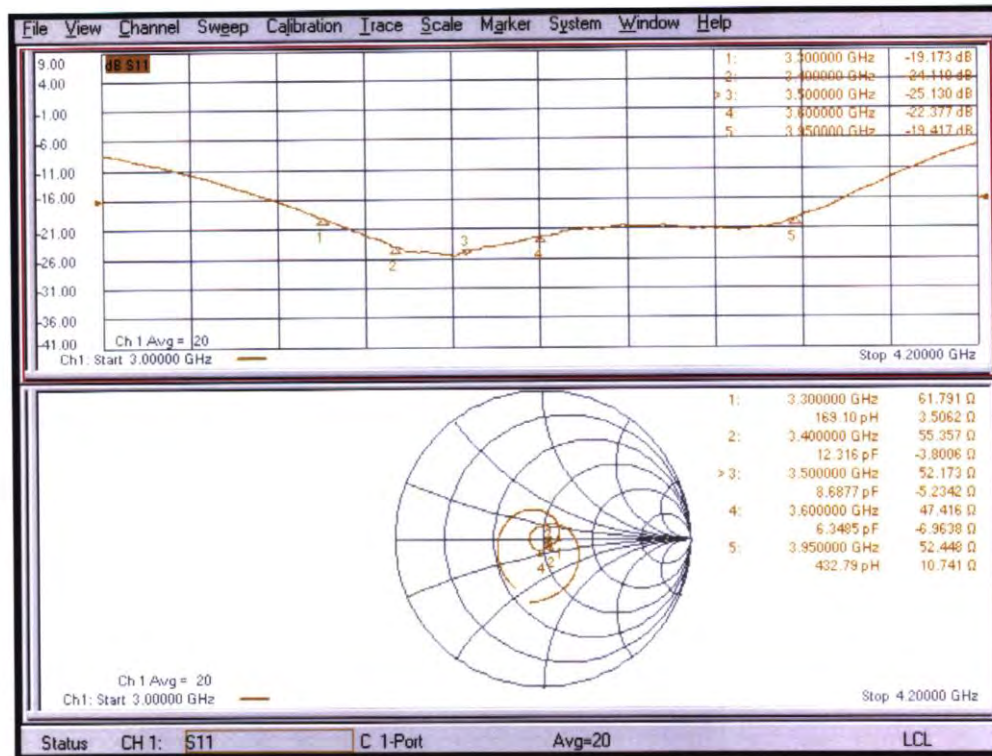
The calibration dipole has a symmetric geometry with a built-in two stub matching network, which leads to the enhanced bandwidth.

The dipole is built of standard semirigid coaxial cable. The internal matching line is open ended. The antenna is therefore open for DC signals.

Do not apply force to dipole arms, as they are liable to bend. The soldered connections near the feedpoint may be damaged. After excessive mechanical stress or overheating, check the impedance characteristics to ensure that the internal matching network is not affected.

After long term use with 40W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

## Impedance Measurement Plot



## DASY5 E-field Result

Date: 16.08.2023

Test Laboratory: SPEAG Lab2

**DUT: HAC Dipole 3500 MHz; Type: CD3500V3; Serial: CD3500V3 - SN: 1008**

Communication System: UID 0 - CW; Frequency: 3500 MHz, Frequency: 3900 MHz

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$ 

Phantom section: RF Section

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

DASY52 Configuration:

- Probe: EF3DV3 - SN4013; ConvF (1, 1, 1) @ 3500 MHz, ConvF (1, 1, 1) @ 3900 MHz; Calibrated: 30.12.2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 03.01.2023
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

### Reference Dipole E-Field measurement @ 3500MHz/E-Scan - 3500MHz d=15mm/Hearing Aid Compatibility Test

(41x121x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.14 V/m; Power Drift = -0.00 dB

Applied MIF = 0.00 dB

RF audio interference level = 38.50 dBV/m

**Emission category: M2**

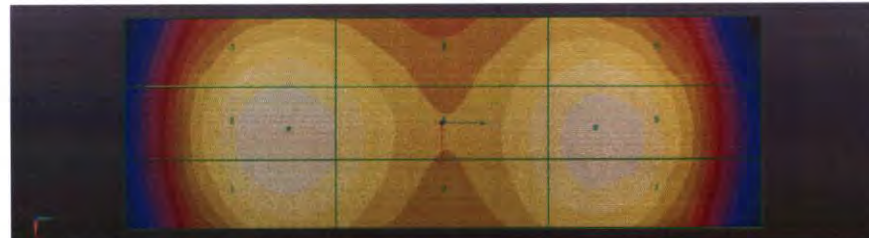
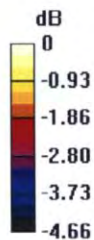
MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M2<br>38.46 dBV/m | Grid 2 M2<br>38.5 dBV/m  | Grid 3 M2<br>38.22 dBV/m |
| Grid 4 M2<br>38.18 dBV/m | Grid 5 M2<br>38.21 dBV/m | Grid 6 M2<br>37.97 dBV/m |
| Grid 7 M2<br>38.37 dBV/m | Grid 8 M2<br>38.41 dBV/m | Grid 9 M2<br>38.14 dBV/m |

Reference Dipole E-Field measurement @ 3500MHz/E-Scan 3900MHz, d=15mm/Hearing Aid Compatibility Test  
(41x121x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 33.41 V/m; Power Drift = -0.05 dB  
Applied MIF = 0.00 dB  
RF audio interference level = 38.17 dBV/m  
Emission category: M2

MIF scaled E-field

|             |             |             |
|-------------|-------------|-------------|
| Grid 1 M2   | Grid 2 M2   | Grid 3 M2   |
| 38.12 dBV/m | 38.17 dBV/m | 37.94 dBV/m |
| Grid 4 M2   | Grid 5 M2   | Grid 6 M2   |
| 37.9 dBV/m  | 37.93 dBV/m | 37.77 dBV/m |
| Grid 7 M2   | Grid 8 M2   | Grid 9 M2   |
| 37.93 dBV/m | 38 dBV/m    | 37.78 dBV/m |



0 dB = 84.13 V/m = 38.50 dBV/m