

Dipole 1880 MHz

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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

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Client

CTTL (Auden)

Cartificate No. CD1880V2-1019 Aug 19

Object	CD1880V3 - SN	: 1018	
Calibration procedure(s)	QA CAL-20.v6 Calibration procedure for dipoles in air		
Calibration date:	August 28, 2018		
The measurements and the uncert All calibrations have been conducted.	tainties with confidence p	ional standards, which realize the physical uprobability are given on the following pages a ry facility: environment temperature (22 ± 3)	and are part of the certificate.
Calibration Equipment used (M&TE	T		
Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP Power sensor NRP-Z91	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: 5058 (20k)	04-Apr-18 (No. 217-02682)	Apr-19
Type-N mismatch combination	SN: 5047.2 / 06327	04-Apr-18 (No. 217-02683)	Apr-19
	SN: 4013	05-Mar-18 (No. EF3-4013_Mar18) 17-Jan-18 (No. DAE4-781_Jan18)	Mar-19 Jan-19
	SN: 781	11 dan 10 (110: B/12+ 101_0ai110)	
Probe EF3DV3 DAE4 Secondary Standards	SN: 781		Schadulad Chask
DAE4 Secondary Standards		Check Date (in house)	Scheduled Check
DAE4 Secondary Standards Power meter Agilent 4419B	ID#	Check Date (in house) 09-Oct-09 (in house check Oct-17)	In house check: Oct-20
DAE4 Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A	ID # SN: GB42420191	Check Date (in house) 09-Oct-09 (in house check Oct-17) 05-Jan-10 (in house check Oct-17)	In house check: Oct-20 In house check: Oct-20
Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A Power sensor HP 8482A	ID # SN: GB42420191 SN: US38485102	Check Date (in house) 09-Oct-09 (in house check Oct-17) 05-Jan-10 (in house check Oct-17) 09-Oct-09 (in house check Oct-17)	In house check: Oct-20 In house check: Oct-20 In house check: Oct-20
Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A Power sensor HP 8482A RF generator R&S SMT-06	ID # SN: GB42420191 SN: US38485102 SN: US37295597	Check Date (in house) 09-Oct-09 (in house check Oct-17) 05-Jan-10 (in house check Oct-17)	In house check: Oct-20 In house check: Oct-20
Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A Power sensor HP 8482A RF generator R&S SMT-06 Network Analyzer Agilent E8358A	ID # SN: GB42420191 SN: US38485102 SN: US37295597 SN: 832283/011 SN: US41080477 Name	Check Date (in house) 09-Oct-09 (in house check Oct-17) 05-Jan-10 (in house check Oct-17) 09-Oct-09 (in house check Oct-17) 27-Aug-12 (in house check Oct-17) 31-Mar-14 (in house check Oct-17) Function	In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-20
Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A Power sensor HP 8482A RF generator R&S SMT-06	ID # SN: GB42420191 SN: US38485102 SN: US37295597 SN: 832283/011 SN: US41080477	Check Date (in house) 09-Oct-09 (in house check Oct-17) 05-Jan-10 (in house check Oct-17) 09-Oct-09 (in house check Oct-17) 27-Aug-12 (in house check Oct-17) 31-Mar-14 (in house check Oct-17)	In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-18

Certificate No: CD1880V3-1018_Aug18

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





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Swiss Calibration Service

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References

 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 HP 8753E 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 ER3D-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%.

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Measurement Conditions

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

DASY Version	DASY5	V52.10.1
Phantom	HAC Test Arch	
Distance Dipole Top - Probe Center	15 mm	
Scan resolution	dx, dy = 5 mm	
Frequency	1880 MHz ± 1 MHz	
Input power drift	< 0.05 dB	

Maximum Field values at 1880 MHz

E-field 15 mm above dipole surface	condition	Interpolated maximum
Maximum measured above high end	100 mW input power	89.2 V/m = 39.01 dBV/m
Maximum measured above low end	100 mW input power	88.5 V/m = 38.94 dBV/m
Averaged maximum above arm	100 mW input power	88.9 V/m ± 12.8 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters

Frequency	Return Loss	Impedance
1730 MHz	31.6 dB	52.7 Ω - 0.4 jΩ
1880 MHz	23.8 dB	54.4 Ω + 5.1 jΩ
1900 MHz	23.6 dB	$56.1 \Omega + 3.4 j\Omega$
1950 MHz	32.5 dB	52.0 Ω - 1.3 jΩ
2000 MHz	20.3 dB	47.3 Ω + 9.1 jΩ

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.

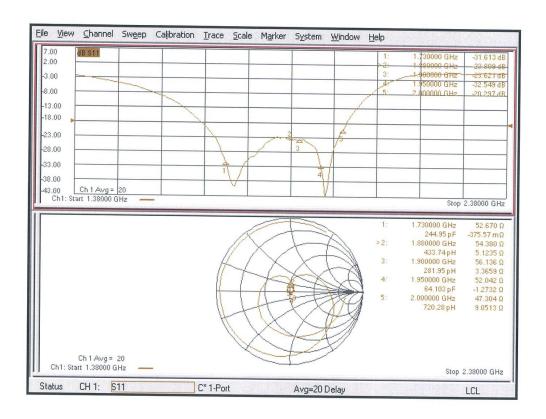
The dipole is built of standard semirigid coaxial cable. The internal matching line is open ended. The antenna is therefore open for DC signals.

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: 28.08.2018

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/m³

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: 05.03.2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 17.01.2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

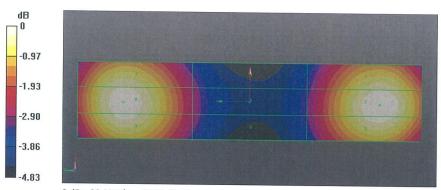
Dipole E-Field measurement @ 1880MHz/E-Scan - 1880MHz d=15mm/Hearing Aid Compatibility Test (41x181x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm Device Reference Point: 0, 0, -6.3 mm Reference Value = 154.3 V/m; Power Drift = -0.01 dB Applied MIF = 0.00 dB RF audio interference level = 39.01 dBV/m

Emission category: M2

MIF scaled E-field

38.68 dBV/m 39.01 dBV/m 38.9 dBV/ Grid 4 M2 Grid 5 M2 Grid 6 M2 36.09 dBV/m 36.25 dBV/m 36.21 dBV Grid 7 M2 Grid 8 M2 Grid 9 M2			
Grid 4 M2 Grid 5 M2 Grid 6 M2 36.09 dBV/m 36.25 dBV/m 36.21 dBV Grid 7 M2 Grid 8 M2 Grid 9 M2	Grid 1 M2	Grid 2 M2	Grid 3 M2
36.09 dBV/m 36.25 dBV/m 36.21 dBV Grid 7 M2 Grid 8 M2 Grid 9 M2	38.68 dBV/m	39.01 dBV/m	38.9 dBV/m
Grid 7 M2 Grid 8 M2 Grid 9 M2	Grid 4 M2	Grid 5 M2	Grid 6 M2
	36.09 dBV/m	36.25 dBV/m	36.21 dBV/m
20.7 401/ 20.04 401/ 00.04 401	Grid 7 M2	Grid 8 M2	Grid 9 M2
38.7 dBV/m 38.94 dBV/m 38.84 dBV	38.7 dBV/m	38.94 dBV/m	38.84 dBV/m



0 dB = 89.22 V/m = 39.01 dBV/m

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Dipole 2600 MHz

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





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Client

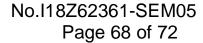
CTTL-BJ (Auden)

Certificate No: CD2600V3-1017 Aug18

Object	CD2600V3 - SN:	1017	
Calibration procedure(s)	QA CAL-20.v6 Calibration proce	edure for dipoles in air	
Calibration date:	August 22, 2018		
The measurements and the unce	ertainties with confidence p	onal standards, which realize the physical uni robability are given on the following pages an ry facility: environment temperature $(22 \pm 3)^{\circ}$ C	d are part of the certificate.
Calibration Equipment used (M&	france .		
Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Power sensor NRP-Z91 Reference 20 dB Attenuator	SN: 103245 SN: 5058 (20k)	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682)	and the second
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327	04-Apr-18 (No. 217-02673)	Apr-19
Power sensor NRP-Z91 Reference 20 dB Attenuator Fype-N mismatch combination Probe EF3DV3	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 4013	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682)	Apr-19 Apr-19
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683)	Apr-19 Apr-19 Apr-19
	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 4013	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 05-Mar-18 (No. EF3-4013_Mar18)	Apr-19 Apr-19 Apr-19 Mar-19
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 4013 SN: 781	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 05-Mar-18 (No. EF3-4013_Mar18) 17-Jan-18 (No. DAE4-781_Jan18)	Apr-19 Apr-19 Apr-19 Mar-19 Jan-19
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 4013 SN: 781	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 05-Mar-18 (No. EF3-4013_Mar18) 17-Jan-18 (No. DAE4-781_Jan18)	Apr-19 Apr-19 Apr-19 Mar-19 Jan-19 Scheduled Check
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 4013 SN: 781	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 05-Mar-18 (No. EF3-4013_Mar18) 17-Jan-18 (No. DAE4-781_Jan18) Check Date (in house) 09-Oct-09 (in house check Oct-17)	Apr-19 Apr-19 Apr-19 Mar-19 Jan-19 Scheduled Check In house check: Oct-20
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A Power sensor HP 8482A	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 4013 SN: 781 ID # SN: GB42420191 SN: US38485102	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 05-Mar-18 (No. EF3-4013_Mar18) 17-Jan-18 (No. DAE4-781_Jan18) Check Date (in house) 09-Oct-09 (in house check Oct-17) 05-Jan-10 (in house check Oct-17)	Apr-19 Apr-19 Apr-19 Mar-19 Jan-19 Scheduled Check In house check: Oct-20 In house check: Oct-20
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Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4	SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 4013 SN: 781 ID # SN: GB42420191 SN: US38485102 SN: US37295597 SN: 832283/011 SN: US41080477	04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 05-Mar-18 (No. EF3-4013_Mar18) 17-Jan-18 (No. DAE4-781_Jan18) Check Date (in house) 09-Oct-09 (in house check Oct-17) 05-Jan-10 (in house check Oct-17) 09-Oct-09 (in house check Oct-17) 27-Aug-12 (in house check Oct-17) 31-Mar-14 (in house check Oct-17)	Apr-19 Apr-19 Apr-19 Mar-19 Jan-19 Scheduled Check In house check: Oct-20

Certificate No: CD2600V3-1017_Aug18

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References

 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 HP 8753E 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 ER3D-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%.

Certificate No: CD2600V3-1017_Aug18 Page 2 of 5



Measurement Conditions

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

DASY Version	DASY5	V52.10.1
Phantom	HAC Test Arch	
Distance Dipole Top - Probe Center	15 mm	
Scan resolution	dx, dy = 5 mm	
Frequency	2600 MHz ± 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	85.8 V/m ± 12.8 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters

Frequency	Return Loss	Impedance
2450 MHz	24.4 dB	44.5 Ω + 1.6 jΩ
2550 MHz	21.8 dB	57.4 Ω + 4.7 jΩ
2600 MHz	20.6 dB	59.7 Ω - 3.3 jΩ
2650 MHz	19.8 dB	55.1 Ω - 9.5 jΩ
2750 MHz	16.0 dB	41.7 Ω - 12.1 jΩ

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.

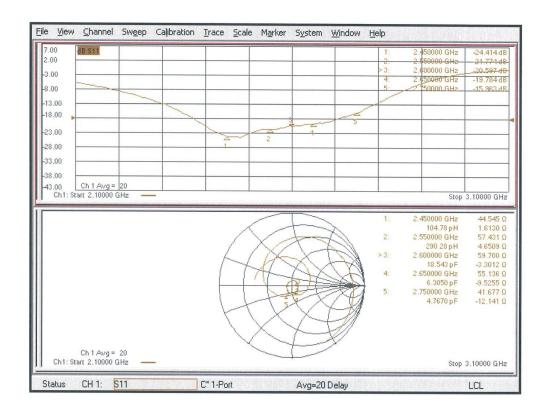
Do not apply force to dipole arms, as they are liable to bend. The soldered connections near the feedpoint may be damaged. After excessive mechanical stress or overheating, check the impedance characteristics to ensure that the internal matching network is not affected.

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

Certificate No: CD2600V3-1017_Aug18 Page 3 of 5



Impedance Measurement Plot





DASY5 E-field Result

Date: 22.08.2018

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/m³

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: 05.03.2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 17.01.2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

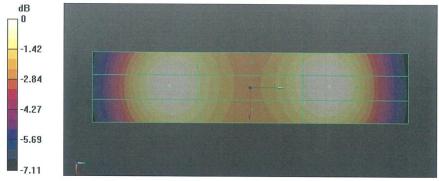
Dipole E-Field measurement @ 2600MHz/E-Scan - 2600MHz d=15mm/Hearing Aid Compatibility Test (41x181x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm Device Reference Point: 0, 0, -6.3 mm Reference Value = 65.15 V/m; Power Drift = 0.00 dB Applied MIF = 0.00 dBRF audio interference level = 38.72 dBV/m

Emission category: M2

MIF scaled E-field

Grid 1 M2	Grid 2 M2	Grid 3 M2
38.38 dBV/m	38.62 dBV/m	38.53 dBV/m
Grid 4 M2	Grid 5 M2	Grid 6 M2
37.9 dBV/m	38.12 dBV/m	38.07 dBV/m
Grid 7 M2	Grid 8 M2	Grid 9 M2
38.5 dBV/m	38.72 dBV/m	38.63 dBV/m



0 dB = 86.32 V/m = 38.72 dBV/m

Certificate No: CD2600V3-1017_Aug18



The photos of HAC test are presented in the additional document:

Appendix to test report No.I18Z62361-SEM05/06

The photos of HAC test