

Test Report 20-1-0036101T09a



Number of pages:	18	Date of Report:	2020-Oct-08
Testing company:	CETECOM GmbH Im Teelbruch 116 45219 Essen Germany Tel. + 49 (0) 20 54 / 95 19-0 Fax: + 49 (0) 20 54 / 95 19-150	Applicant:	MSO Meßtechnik und Ortung GmbH
Test Object / Tested Device(s):	Speed Wedge MKII, Radar speed sen	sor	
FCC ID:	2AXQCSWMKII-21		
Testing has been carried out in accordance with:	FCC Regulations: Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart B: §15.107, §15.109 (Class B ISED Regulations: ICES-003, Issue 6 (2016+Update 2019 Deviations, modifications or clarification in each section under "Test method a) ions (if any) to above	mentioned documents are written
Tested Technology:	None		
Test Results:	The EUT complies with the require The test results relate only to devices	-	
Signatures:			
	DiplIng. Ninovic Perez Test Lab Manager Authorization of test report		B.Sc. Hicham Laayouni Test manager Responsible of test report

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1 General information

1.1 Disclaimer and Notes

The test results of this test report relate exclusively to the test item specified in this test report as specified in chapter 2.7. CETECOM does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item.

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Also we refer on special conditions which the applicant should fulfill according §2.927 to §2.948, special focus regarding modification of the equipment and availability of sample equipment for market surveillance tests.



1.1. Summary of Test Results

Test case	Reference	Reference	Reference	Remark	Result
	in FCC 🛛	in ISED 🛛	in RSS-GEN 🛛		
AC-Power Lines Conducted Emissions	§15.107	ICES-003, Issue 64	RSS-Gen., Issue 5		PASSED
			Chapter 8.9,		
			Chapter 7.3		
Radiated field strength emissions 30 MHz – 1 GHz	§15.109	ICES-003, Issue 6	RSS-Gen., Issue 5		PASSED
	§15.33		Chapter 8.9,		
	§15.35		Chapter 7.3		
Radiated field strength emissions above 1 GHz	§15.109	ICES-003, Issue 6	RSS-Gen., Issue 5		PASSED
	§15.33		Chapter 8.9,		
	§15.35		Chapter 7.3		
PASSED The EUT complies with th	ne essential re	quirements in the sta	indard.	•	

FAILEDThe EUT does not comply with the essential requirements in the standard.NPThe test was not performed by the CETECOM Laboratory.

*The calculation of the measurement uncertainty shows compliance with the "maximum measurement uncertainties" of the tested standard and therefore for result evaluation the stated uncertainties will not be additionally added to the measured results.

1.2. Summary of Test Methods

Test case	Test method
AC-Power Lines Conducted Emissions	ANSI C63.4-2014 chapter 7
Radiated field strength emissions 30 MHz – 1 GHz	ANSI C63.4-2014 chapter 8.2.3
Radiated field strength emissions above 1 GHz	ANSI C63.4-2014 chapter 8.3



2 Administrative Data

2.1 Identification of the Testing Laboratory

Company name:	CETECOM GmbH
Address:	Im Teelbruch 116
	45219 Essen - Kettwig
	Germany
Responsible for testing laboratory:	DiplIng. Ninovic Perez
Accreditation scope:	DAkkS Webpage
Test location:	CETECOM GmbH; Im Teelbruch 116; 45219 Essen - Kettwig

2.2 General limits for environmental conditions

Temperature:	22±2° C
Relative. humidity:	45±15% rH

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2.3 Test Laboratories sub-contracted

Company name:

2.4 Organizational Items

Order No.:	20-1-00361
Responsible test manager:	B.Sc. Hicham Laayouni
Receipt of EUT:	2020-Aug-10
Date(s) of test:	2020-Aug-20 – 2020-Sep-02
Version of template:	14.2

2.5 Applicant's details

Applicant's name:	MSO Meßtechnik und Ortung GmbH
Address:	Hohweg 8 - 10 53902 Bad Münstereifel
	Germany
Contact Person:	Peter Hien
Contact Person's Email:	p.hien@mso-technik.de

2.6 Manufacturer's details

Manufacturer's name:	Please see applicant's details
Address:	Please see applicant's details



2.7 EUT: Type, S/N etc. and short descriptions used in this test report

Short descrip tion*)	PMT Sample No.	EUT	Туре	S/N	HW status	Firmware status
EUT 01	20-1-00361S06_C01	Radar speed sensor	Speed Wedge MKII		2.1	2.1

*) EUT short description is used to simplify the identification of the EUT in this test report.

2.8 Auxiliary Equipment (AE): Type, S/N etc. and short descriptions

Short descrip tion*)	PMT Sample No.	Auxiliary Equipment	Туре	S/N	HW status	SW status

*) AE short description is used to simplify the identification of the auxiliary equipment in this test report.

2.9 Connected cables

Short descrip tion*)	PMT Sample No.	Cable type	Connectors	Lenght
CAB 1	20-1-00361S11_C01	Cable Harness		< 3 m
CAB 2	20-1-00361S14_C01	AC/DC adapter	KCH120100EU	< 3 m

*) CAB short description is used to simplify the identification of the connected cables in this test report.

2.10 Softwares

Short descrip tion*)	PMT Sample No.	Software	Туре	s/N	HW status	SW status

*) SW short description is used to simplify the identification of the used softwares in this test report.

2.11 EUT set-ups

set-up no.*)	Combination of EUT and AE	Description
	EUT 01 + CAB 1 +CAB 2	Used for Radiated measurements

*) EUT set-up no. is used to simplify the identification of the EUT set-up in this test report.

2.12 EUT operation modes

EUT operating mode no.*)	Operating modes	Additional information
Operating mode 1	Sensor ON	The sensor active during the tests. The sensor measure the velocity in Km/h and direction of the velocity

*) EUT operating mode no. is used to simplify the test report.



3 Equipment under test (EUT)

3.1 General Data of Main EUT as Declared by Applicant

Product name	Speed Wedge MKII			
Kind of product	Radar speed sensor			
Firmware	☑ for normal use			ersion for test execution
Power supply	AC Mains -			
	DC Mains	12 V DC		
	⊠ Battery -			
Operational conditions	T _{nom} = °C	C T _{min} = -20 °C T _{max} = +55 °C		
EUT sample type	Production			
Weight	n/a			
Size	110 mm x 55 mm x 45 mm (LxWxH, less cable)			
Interfaces/Ports	DIN M12 male plug			
For further details refer Applicants Decla	ration & following	technica	al documents	

3.2 Modifications on Test sample

Additions/deviations or exclusions



4 Measurements

4.1 AC-Power Lines Conducted Emissions

4.1.1 Description of the general test setup and methodology, see below example:

The radio frequency voltage conducted back into the AC power line in the frequency range 150 kHz to 30 MHz has to be investigated.

Compliance should be tested by measuring the radio frequency voltage between each power line and ground at the power terminals in the stated frequency range.

A 50 Ohm / 50 μ H line impedance stabilization network (LISN) is used coupling the interface to the measurement equipment.

The EUT power input leads are connected through the LISN to the AC-power source. The LISN enclosure is electrically connected to the ground plane. The measuring instrument is connected to the coaxial output of the LISN.

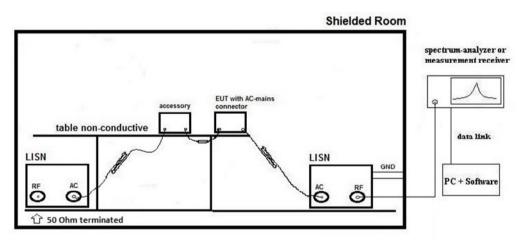
Tabletop devices were set-up on an 80 cm height above reference ground plane, floor standing equipment 10 cm raised above ground plane.

Measurements have been performed on each phase line and neutral line of the devices AC-power lines.

The EUT was power supplied with 120 V/60 Hz. The EUT was tested in the defined operating mode

and installed (connected) to accessory equipment according the general description of use given by the applicant.

Schematic:



Testing method:

The measurement is made according to relevant reference clauses: (See Tables *Summary of Test Results* and *Summary of Test Methods* on page 5)

Exploratory, preliminary measurements

As a first step, determines the worst-case phase line (neutral or phase) as well as the most critical operating mode of the equipment. A complete frequency-sweep with PK-Detector is performed on each current-carrying conductor.

Final measurement on critical frequencies

For power phases and critical frequencies (Margin to AV- or QP limit lower than 3 dB) as a second step includes measurements with receivers detector set to Quasi-Peak and Average.



Formula:

$V_{C} = V_{R} + C_{L} (1)$	V _C = measured Voltage –corrected value
$M = L_{T} - V_{C} \qquad (2)$	V _R = Receiver reading
	C _L = Cable loss
	M = Margin
	$L_T = Limit$

All units are dB-units, positive margin means value is below limit.

4.1.2 Measurement Location

Test site	120919 – Conducted Emissions

4.1.3 Limit

Frequency Range [MHz]	QUASI-Peak [dBµV]	AVERAGE [dBµV]
0.15 - 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 - 30	60	50

4.1.4 Result

Diagram	Mode	Power Line	Max [dBµV]	Detector	Result
1.01	Operating mode 1	N/L1	35.11	Average	Passed
Demonstry for more informations and examples and energy A1 CETECOM TR20 1, 003C101T002, A1					

Remark: for more informations and graphical plot see annex A1 CETECOM_TR20_1_0036101T09a_A1

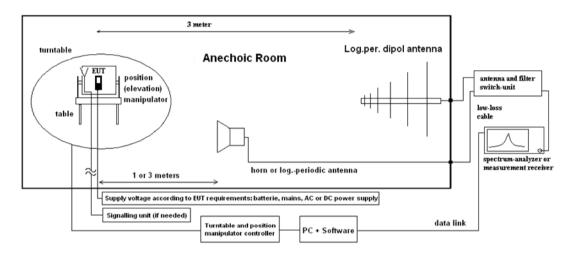


4.2 Radiated field strength emissions 30 MHz – 1 GHz

4.2.1 Description of the general test setup and methodology, see below example:

Evaluating the field emissions have to be done first by an exploratory emissions measurement and a final measurement for most critical frequencies. The tests are performed in a NSA-compliant semi anechoic room (SAR) recognized by the regulatory commissions.

Schematic:



Testing method:

The measurement is made according to relevant reference clauses: (See Tables *Summary of Test Results* and *Summary of Test Methods* on page 5)

Exploratory, preliminary measurements

The EUT and its associated accessories are placed on a non-conductive position manipulator (tipping device) of 0.8 m height which is placed on the turntable. By rotating the turntable (range 0° to 360°, step 90°) and the EUT itself either on 3-orthogonal axis (portable equipment) or 2-orthogonal axis (defined operational position of EUT) the emission spectrum and its characteristics was recorded with an EMI-receiver, broadband antenna and software.

Measurement antenna: horizontal and vertical, heights: 1,0 m and 1,82 m as worst-case determined by an exploratory emission measurements. The results are documented in a diagram. Critical frequencies (low margin to limit) are saved within a table for further investigations. If various operating modes are supported, further investigations are made to find the worst-case of them. Also the interconnection cables and equipment position were varied in order to maximize the emissions.

Final measurement on critical frequencies

Based on the exploratory measurements, the most critical frequencies are re-measured by main-taining the EUT's worst-case operation mode, cable position, etc. either on 10m OATS or 3m semi-anechoic room. First a frequency zoom around the critical frequency is done to locate the frequency more precisely. After this step, for all identified critical frequencies, the maximum peak was determined.

Following parameters were varied: the turntable angle continuously in the range 0 to 360 degree, the EUT itself either over 3-orthogonal axis (not defined usage position) or 2-orthogonal axis (defined usage position). The measurement antenna height between 1 m and 4 m.



On the determined worst-case position, a final measurement with necessary bandwidth and detector according standard has been carried out

Formula:		
$E_{C} = E_{R} + AF + C_{I}$	_ + D _F - G _A (1)	AF = Antenna factor
		C _L = Cable loss
$M = L_T - E_C$	(2)	D _F = Distance correction factor (if used)
		E _c = Electrical field – corrected value
		E_R = Receiver reading
		G _A = Gain of pre-amplifier (if used)
		L _T = Limit
		M = Margin

All units are dB-units, positive margin means value is below limit.

4.2.2 Measurement Location

Test site	120901 - SAC - Radiated Emission <1GHz
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4.2.3 Limit

Frequency Range	Class B 🔀 (3 meters)		Class A 🗖 (10 meters)			
[MHz]	Limit [µV/m]	Limit [dBµV/m]	Limit [µV/m]	Limit [dBµV/m]	Detector	RBW / VBW [kHz]
30 - 88	100	40.0	90	39.0	Quasi peak	100 / 300
88 - 216	150	43.5	150	43.5	Quasi peak	100 / 300
216 - 960	200	46.0	210	46.4	Quasi peak	100 / 300
960 - 1000	500	54.0	300	49.5	Quasi peak	100 / 300

4.2.4 Result

Diagram	Comment	Mode	Maximum Level [dBµV/m] Frequency Range 30 – 1000 MHz	Result
<u>3.01</u>	EUT Laying	Operating mode 1	45.55	Passed
<u>3.01</u>	EUT Standing	Operating mode 1	45.45	Passed

Remark: for more informations and graphical plot see annex A1 CETECOM_TR20_1_0036101T09a_A1

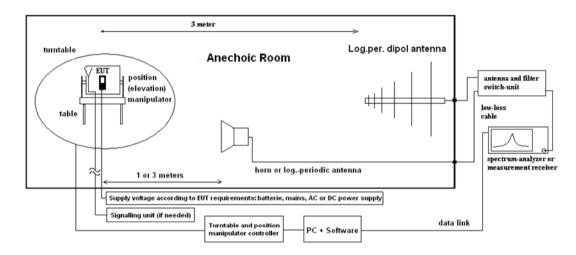


4.3 Radiated field strength emissions above 1 GHz

4.3.1 Description of the general test setup and methodology, see below example:

Evaluating the emissions have to be done first by an exploratory emissions measurement and a final measurement for most critical frequencies. The tests are performed in a CISPR 18-1-4:2010 compliant fully anechoic room (FAR) recognized by the regulatory commission. The measurement distance was set to 3 meter for frequencies up to 18 GHz and 2 meter above 18 GHz. A logarithmic periodic antenna is used for the frequency range 30 MHz to 1 GHz. Horn antennas are used for frequency range 1 GHz to 40 GHz. The EUT is aligned within 3 dB beam width of the measurement antenna with three orthogonal axis measurements on the EUT.

Schematic:



Testing method:

The measurement is made according to relevant reference clauses: (See Tables *Summary of Test Results* and *Summary of Test Methods* on page 5)

Exploratory, preliminary measurements

The EUT and its associated accessories are placed on a non-conductive position manipulator (tipping device) of 1.55 m height which is placed on the turntable. By rotating the turntable (range 0° to 360°, step 15°) and the EUT itself either on 3-orthogonal axis (portable equipment) or 2-orthogonal axis (defined operational position of EUT) the emission spectrum and its characteristics was recorded with an EMI-receiver, broadband antenna and software.

The measurements are performed in horizontal and vertical polarization of the measurement antennas. The results are documented in a diagram. Critical frequencies (low margin to limit) are saved within a table for further investigations. If various operating modes are supported, further investigations are made to find the worst-case of them. Also the interconnection cables and equipment position were varied in order to maximize the emissions.

Final measurement on critical frequencies

Based on the exploratory measurements, the most critical frequencies are re-measured by main-taining the EUT's worst-case operation mode, cable position, etc.

First a frequency zoom around the critical frequency is done to locate the frequency more precisely. After this step, for all identified critical frequencies, the maximum peak was determined.

Following parameters were varied: the turntable angle continuously in the range 0 to 360 degree, the EUT itself over 3orthogonal axis and the height for EUT with large dimensions or three axis scan for portable/small equipment.



On the determined worst-case position, a final measurement with necessary bandwidth and detector according standard has been carried out.

Formula:

$E_{C} = E_{R} + A_{F} + C_{L} + C_{L}$	D _F - G _A (1)	E _c = Electrical field – corrected value
		E _R = Receiver reading
$M = L_T - E_C$	(2)	M = Margin
		$L_T = Limit$
		A _F = Antenna factor
		C _L = Cable loss
		D _F = Distance correction factor (if used)
		G _A = Gain of pre-amplifier (if used)

All units are dB-units, positive margin means value is below limit.

4.3.2 Measurement Location

Test site 120904 - FAC1 - Radiated Emissions
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4.3.3 Limit

Radiated emissions limits (3 meters)								
Frequency Range [MHz]	Limit [µV/m]	Limit [dBµV/m]	Detector	RBW / VBW [kHz]				
Above 1000	500	54	Average	1000 / 3000				
Above 1000	5000	74	Peak	1000 / 3000				

4.3.4 Result

Diagra	m Channel		Maximum Level [dBµV/m] Frequency Range 1 – 18 GHz	Result			
<u>4.01</u>		Operating mode 1	No peaks found	Passed			
Remark:	Remark: for more informations and graphical plot see appey A1 CETECOM TR20 1 0036101T09a A1						

Remark: for more informations and graphical plot see annex A1 CETECOM_TR20_1_0036101T09a_A1

Diagram	Channel	Mode	Maximum Level [dBµV/m] Frequency Range 18 – 26.5 GHz	Result
4.02		Operating mode 1	No peaks found	Passed*

Remark:

*: frequency at 24.16 GHz is the carrier frequeny of the EUT.

Due to technical constraints the carrier frequency at 24.16 GHz could not be switched off.

For more informations and graphical plot see annex A1 CETECOM_TR20_1_0036101T09a_A1



4.4 Results from external laboratory

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	-
None	-

4.5 Opinions and interpretations

None

4.6 List of abbreviations

None

5 Equipment lists

ID	Description	Manufacturer	SerNo	Cal due date
	120919 - Conducted Emission			
20300	AC - LISN (50 Ohm/50µH, 1-phase) ESH3-Z5	Rohde & Schwarz Messgerätebau GmbH	892 239/020	2021-May-13
20005	AC - LISN 50 Ohm/50μΗ ESH2-Z5	Rohde & Schwarz Messgerätebau GmbH	861741/005	2021-May-13
20468	Digital Multimeter Fluke 112	Fluke Deutschland GmbH	90090455	2021-May-16
20377	EMI Test Receiver ESCS30	Rohde & Schwarz Messgerätebau GmbH	100160	2021-May-12
20536	Impedance Stabilization Network ISN ST08	Teseq GmbH	25867	2023-May-20
20533	Impedance Stabilization Network ISN T200A	Teseq GmbH	25706	2023-May-20
20534	Impedance Stabilization Network ISN T400A	Teseq GmbH	24881	2023-May-20
20541	Impedance Stabilization Network ISN T8-Cat6	Teseq GmbH	26373	2023-May-20
20535	Impedance Stabilization Network ISN T800	Teseq GmbH	26321	2023-May-20
20099	Passive Voltage Probe ESH2-Z3	Rohde & Schwarz Messgerätebau GmbH	299.7810.52	2021-May-16
20100	passive voltage probe TK 9416	Schwarzbeck Mess-Elektronik OHG	without	2021-May-16
20033	RF-current probe (100kHz-30MHz) ESH2-Z1	Rohde & Schwarz Messgerätebau GmbH	879581/18	2021-May-23
20373	Single-Line V-Network (50 Ohm/5µH) ESH3-Z6	Rohde & Schwarz Messgerätebau GmbH	100535	2021-May-13
20007	Single-Line V-Network (50 Ohm/5µH) ESH3-Z6	Rohde & Schwarz Messgerätebau GmbH	892563/002	2021-May-13
20556	Thermo-/Hygrometer WS-9400	Conrad Electronic GmbH	-	
20051	VHF-Current Probe 20-300 MHz ESV-Z1	Rohde & Schwarz Messgerätebau GmbH	872421	2021-May-16
	120901 - SAC - Radiated Emission <1GHz			
20574	Biconilog Hybrid Antenna BTA-L	Frankonia GmbH	980026L	2022-May-03
20487	CETECOM Semi Anechoic Chamber < 1GHz	ETS-Lindgren Gmbh	-	2025-Jul-15
20341	Digital Multimeter Fluke 112	Fluke Deutschland GmbH	81650455	2022-May-25
20620	EMI Test Receiver ESU26	Rohde & Schwarz Messgerätebau GmbH	100362	2021-May-13

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ID	Description	Manufacturer	SerNo	Cal due date
20482	filter matrix Filter matrix SAR 1	CETECOM GmbH	-	
20885	Power Supply EA3632A	Agilent Technologies Deutschland GmbH	75305850	
	120902 - SAC - Radiated Emission >1GHz			
20550	CETECOM Semi anechoic Chamber > 1Ghz	ETS-Lindgren Gmbh	-	2025-Jul-15
20376	Horn Antenna BBHA9120 E	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 E 179	2023-Apr-08
	120904 - FAC1 - Radiated Emissions			
20720	EMC32 [FAC]	Rohde & Schwarz Messgerätebau GmbH	V10.xx	
20400		-	1000.20	2021 Marc 12
20489	EMI Test Receiver ESU40	Rohde & Schwarz Messgerätebau GmbH	1000-30	2021-May-13
20254	High Pass Filter 5HC 2600/12750-1.5KK (GSM1800/1900/DECT)	Trilithic	23042	
20868	High Pass Filter AFH-07000	AtlanTecRF	16071300004	
20291	High Pass Filter WHJ 2200-4EE (GSM 850/900)	Wainwright Instruments GmbH	14	
20020	Horn Antenna 3115 (Subst 1)	EMCO Elektronik GmbH	9107-3699	2021-Jul-19
20302	Horn Antenna BBHA9170 (Meas 1)	Schwarzbeck Mess-Elektronik OHG	155	2023-Apr-15
20549	Log.Per-Antenna HL025	Rohde & Schwarz Messgerätebau GmbH	1000060	2021-Jul-31
20512	Notch Filter WRCA 800/960-02/40-6EEK (GSM 850)	Wainwright Instruments GmbH	24	
20290	Notch Filter WRCA 901,9/903,1SS (GSM 900)	Wainwright Instruments GmbH	3RR	
20122	Notch Filter WRCB 1747/1748 (GSM 1800)	Wainwright Instruments GmbH	12	
20121	Notch Filter WRCB 1879,5/1880,5EE (GSM 1900)	Wainwright Instruments GmbH	15	
20448	Notch Filter WRCT 1850.0/2170.0-5/40-10SSK (WCDMA- FDD II)	Wainwright Instruments GmbH	5	
20066	Notch Filter WRCT 1900/2200-5/40-10EEK (WCDMA - FDDI)	Wainwright Instruments GmbH	5	
20449	Notch Filter WRCT 824.0/894.0-5/40-8SSK (WCDMA FDD V)	Wainwright Instruments GmbH	1	
20611	Power Supply E3632A	Agilent Technologies Deutschland GmbH	KR 75305854	
20338	Pre-Amplifier 100MHz - 26GHz JS4-00102600-38-5P	Miteq Inc.	838697	
20484	Pre-Amplifier 2,5GHz - 18GHz AMF-5D-02501800-25- 10P	Miteq Inc.	1244554	
20287	Pre-Amplifier 25MHz - 4GHz AMF-2D-100M4G-35-10P	Miteq Inc.	379418	
20670	Radio Communication Tester CMU200	Rohde & Schwarz Messgerätebau GmbH	106833	2022-Jun-16
20690	Spectrum Analyzer FSU	Rohde & Schwarz Messgerätebau GmbH	100302/026	2021-May-23
20030	UltraLog-Antenna HL 562	Rohde & Schwarz Messgerätebau GmbH	100248	2023-Mar-10
20433			100240	2023-19101-10

Tools used in 'P1M1'



6 Measurement Uncertainty valid for conducted/radiated measurements

The reported uncertainties are calculated based on the standard uncertainty multiplied with the appropriate coverage factor **k**, such that a confidence level of approximately 95% is achieved. For uncertainty determination, each component used in the concrete measurement set-up was taken in account and it contribution to the overall uncertainty according its statistical distribution calculated.

RF-Measurement	Reference	Frequency range		Calculated uncertainty based on a confidence level of 95%			Remarks		
Conducted emissions	_	9 kHz - 150 kHz	4.0 dB	4.0 dB		_			
(U _{CISPR})	-	150 kHz - 30 MHz	3.6 dB			_			
Power Output radiated	-	30 MHz - 4 GHz	3.17 dB				Substitution method		
Power Output conducted		Set-up No.	Cel- C1	Cel- C2	BT1	W1	W2		
Power Output conducted	-	9 kHz - 12.75 GHz	N/A	0.60	0.7	0.25	N/A		
		12.75 - 26.5 GHz	N/A	0.82		N/A	N/A		-
Conducted emissions	-	9 kHz - 2.8 GHz	0.70	N/A	0.70	N/A	0.69		
on RF-port		2.8 GHz - 12.75 GHz	1.48	N/A	1.51	N/A	1.43		N/A - not
		12.75 GHz – 18 GHz	1.81	N/A	1.83	N/A	1.77		applicable
		18 GHz - 26.5 GHz	1.83	N/A	1.85	N/A	1.79		-
			0.1272	0.1272 ppm (Delta Marker)					Frequency
Occupied bandwidth	n -	9 kHz - 4 GHz							error
			1.0 dB	1.0 dB					Power
	-		0.1272 ppm (Delta Marker)					Frequency	
Emission bandwidth		9 kHz - 4 GHz							error
	-		See above: 0.70 dB					Power	
Frequency stability	-	9 kHz - 20 GHz	0.063	0.0636 ppm				-	
		150 kHz - 30 MHz	5.01d	5.01dB				Magnetic	
Radiated emissions									field strength
Enclosure	-	30 MHz - 1 GHz	5.83 d	IB					Electrical
		1 GHz - 18 GHz	4.91 d	4.91 dB				Field	
		18 - 26.5 GHz	5.06 d	IB					strength



7 Versions of test reports (change history)

Version	Applied changes	Date of release
	Initial release	2020-Oct-08

End Of Test Report