

# TEST REPORT No.: 18-1-0020401T09a-C1

According to: FCC Regulations Part 1.1310 Part 2.1091

IC-Regulations RSS-102, Issue 5

for

SRM GmbH

## **EXAKT Pedal PowerMeter**

FCC: WCS - EXAKT ISED: 7761A - EXAKT HVIN: EXAKT PMN: EXAKT

#### Laboratory Accreditation and Listings



#### accredited according to DIN EN ISO/IEC 17025

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 $Annex\ 2: External\ photographs\ of\ EUT\ (separate\ document)\ "CETECOM\_TR18\_1\_0020401T07a\_A2.pdf"$ 

The listed attachments are an integral part of this report.



# 1. Summary of test results

The test results apply exclusively to the test samples as presented in this Report. The CETECOM GmbH does not assume responsibility for any conclusions and generalizations taken in conjunction with other specimens or samples of the type of the item presented to tests.

The presented Equipment Under Test (in this report, hereinafter referred as EUT) integrates a BT 2.4 GHz RF Transceiver. Other implemented wireless technologies were not considered within this test report.

Following tests have been performed to show compliance with applicable FCC Part 2.1091 and FCC Part 1.1310 of the FCC CFR 47 Rules.

#### 1.1. Summary of tests results

RF	RF-Exposure Evaluation (separation distance user to RF-radiating element greater 5mm)							
			References	& Limits		TELET	EUT	
Test cases	Port	FCC	Test Limit	RSS	Test Limit	EUT	op.	Result
		Standard		Standard		set-up	mode	
Radio frequency radiation exposure Requirements	Cabinet	\$1.1310 \$2.1091 \$2.1093	RF-Field Strength Limits: FCC: "general population/ uncontrolled" environment	RSS- 102, Issue 5	Chapter 4 Table 4	1	2	Pass

Remark: Calculations based on Datasheet delivered by applicant

#### 1.2. Attestation:

I declare that all measurements were performed by me or under my supervision and that all measurements have been performed and are correct to my best knowledge and belief to Industry Canada standards. All requirements as shown in above table are met in accordance with enumerated standards.

The current version of the Test Report CETECOM\_TR18-1-0020401T09a-C1 replaces the Test Report CETECOM\_TR18-1-0020401T09a dated 2018-10-08. The replaced Test Report is herewith invalid.

DiplIng. Niels Jeß	M. Schäfers
Responsible for test section	Responsible for test report



### 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: Dipl.-Ing. Rachid Acharkaoui

Deputy: Dipl.-Ing. Niels Jeß

#### 2.2. Test location

#### 2.2.1. Test laboratory "CTC"

Company name:	see chapter 2.1. Identification of the testing laboratory	
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## 2.3. Organizational items

Responsible for test report: M. Schäfers

Receipt of EUT: -Date(s) of test: --

Date of report: 2019-04-03

## 2.4. Applicant's details

Applicant's name: SRM GmbH

Address: Rudolf-Schulten-Straße 6

52428 Jülich

Germany

Contact: Mr. Peter Rosenland

#### 2.5. Manufacturer's details

Manufacturer's name: please see applicant's details

Address: please see applicant's details



# 3. Equipment under test (EUT)

# 3.1. Certification Data of Main EUT declared by Applicant

EUT Model		EXAKT		
EUT Type		Pedal PowerMeter		
<b>EUT Applications</b>		Sport Applications		
FCC ID		WCS - EXAKT		
	Additional Information: Integrated Module			
Integrated Modul	e	nRF52832		
Number of Integra	ated Modules	1		
	Add	itional Information : S	Supported Technologies	
Technology		Modes	Frequency Range	Remarks
ANT (Custom Mode)			2402 MHz – 2480 MHz	refer chapter 3.2
Bluetooth LE			2402 MHz – 2480 MHz	refer chapter 3.2



# 3.2. EUT Technologies

EUT Model	EXAKT				
EUT Type	Pedal PowerMeter				
<b>EUT Applications</b>	Sport Application				
Hardware Version	0.6				
Software Version	1.3.4				
Firmware Version	0.4				
Frequency Band	2.4 GHz ISM Band	(2400 MH	z - 2483.5 ]	MHz)	
Frequency Channels (Range)	Channel 37: 2402 N	MHz to Cha	nnel 39: 24	180 MHz	
Number of Channels	40 (37 Hopping + 3		<u> </u>		
Channels Power Settings	+4 dBm (CUSTON Values)	M Mode) (A	ccording to A	pplicant's Declaration Max	x. Rated Power
Nominal Channel Bandwidth	1 MHz				
Type of DSSS Mode Modulation   Data Rate	Custom Mode:  GFSK   1 Mbps   PRBS9				
Antenna Details	Monopole Antenna				
Antenna Connections	Primary Antenna: ANT1 (custom mode)				
Antenna Type	PCB antenna stripe				
ANT1 Gain (Peak)*	-15.55 dBi (2402 M	IHz – 2480	MHz)		
Total Number of Modules	1 (nRF52832)				
Total Number of Antennas	1 Primary Antenn	a : ANT1 (	custom mo	de)	
Test Mode Settings	EXAKT App				
Power Supply	<b>▼</b> Internal Battery	: LP340819	JE   Li-ion	(2 Cylindrical Cells	)
Special EMI Components					
EUT Sample Type	☑ Production ☐ Pre-Production ☐ Engineering				
Firmware	☐ for normal use ☑ Special version for test execution : EXAKT App				
FCC label attached	□ Yes 🗷 No				
For further deta	ails refer Applicants	Declaration	& followi	ng technical documen	nts
Description of Reference Doc	ument (supplied by a	applicant)		Version	Total Pages
Exakt_Pedal_Datasheet_rev_0	_2			Rev_0_2	2

<sup>\*</sup>Note: antenna gain measurements performed within CETECOM lab between 2018-04-16 and 2018-05-07

 $Antenna\ Gain\ (Absolute) = Antenna\ Radiated\ Power\ (E.I.R.P)\ -\ Antenna\ Output\ Power\ (Conducted)$ 

Cus	stom Mode	Modulation (Data Rate ): GFSK (1 Mbps)			
Packet Type	Channel Frequency	E.I.R.P	Antenna Power (Conducted)	Antenna Gain	
<b>3 F</b>	<b>1</b>	dBm/MHz	dBm/MHz	dBi	
	2402 MHz	-13.21	2.59	-15.80	
1 Mbps	2442 MHz	-13.03	2.52	-15.55	
	2480 MHz	-13.25	2.84	-15.58	



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

Short description*)	EUT	Туре	S/N serial number	HW hardware status	SW software status
EUT A	Pedal PowerMeter	SRM Proto Keo-G Power	141	0.6	SW: SD 2.0.1 FW: 1.3.4

<sup>\*)</sup> EUT short description is used to simplify the identification of the EUT in this test report.

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

AE short description *)	Auxiliary Equipment	Туре	S/N serial number	HW hardware status	SW software status
AE 1	1	1	-		

<sup>\*)</sup> AE short description is used to simplify the identification of the auxiliary equipment in this test report.

# 3.5. EUT set-ups

EUT set-up no.*)	Combination of EUT and AE	Remarks	
set. 1	EUT A		

<sup>\*)</sup> EUT set-up no. is used to simplify the identification of the EUT set-up in this test report.

## 3.6. EUT operating modes

EUT operating mode no.*)	Description of operating modes	Additional information
op. 1	ANT (Custom Mode)	Only theoretically calculation
op. 2	Bluetooth LE	Only theoretically calculation

<sup>\*)</sup> EUT operating mode no. is used to simplify the test report.



#### 4. Measurements

### 4.1. Radio Frequency Exposure Evaluation §2.1091

4.1.1. Test location and equipment (for reference numbers please see chapter 'List of test equipment')

test location	☑ CETECOM Essen (Chapter. 2.2.1)	☐ Please see Chapter. 2.2.2	☐ Please see Chapter. 2.2.3
	For Evaluation instruments are not needed	d. Results are determined by calculation ba	sed on applicants delivered Tune-Up
	procedure.		

4.1.2. Requirements

. Italia ita dan amang	
FCC: §1.1310	The criteria used for the evaluation of human exposure to radio frequency radiation is table 1 according FCC §1.1310 and table chapter 4.2 of RSS-102 standard and it is subject for evaluation of the RF exposure prior to equipment authorization.  As the mobile equipment is authorized under Part 22 (Subpart H) and Part 24 of the FCC Rules, it is subject for evaluation of the RF exposure prior to equipment authorization.
FCC § 2.1091	Further information on evaluating compliance with these limits can be found in the FCC's OST/OET Bulletin Number 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation."  For purposes of these requirements mobile devices are defined by the FCC as transmitters designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between radiating structures and the body of the user or nearby persons. These devices are normally evaluated for exposure potential with relation to the MPE limits given in Table 1 of Appendix A.

#### 4.1.2.1. Valid for FCC

Table 1: LIMITS FO	Table 1: LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)										
Frequency range	Electric field strength	Magnetic field strength	Power density	Averaging time							
[MHz)	[V/m]	[A/m]	[mW/cm <sup>2</sup> ]	[minutes]							
30 - 300	61.4	0.163	1.0	6							
300 - 1500	-		f/300	6							
1500 - 100,000	-		5	6							
	(B) Limits for	r General Population / Uncontrolle	ed Exposure								
0.3 - 1.34	614	1.63	*(100)	30							
1.34 - 30	824/f	2.19/f	*(180/f²)	30							
30 - 300	27.5	0.073	0.2	30							
300 - 1500	-	-	f/1500	30							
1500 - 100,0	-	-	1.0	30							

#### f=frequency in MHz

NOTE1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure. These limits apply to amateur station licensees and members of their immediate household as discussed in the text.

NOTE2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure. As discussed in the text, these limits apply to neighbours living near amateur radio stations.

<sup>\*</sup>Plane-wave equivalent power density



## **4.1.3** General Limits:

·	
FCC: §1.1307	Cellular Radiotelephone Service (subpart H of part 22) Non-building-mounted antennas: height above ground level to lowest point of antenna < 10 m and total power of all channels > 1000 W ERP (1640 W EIRP)
FCC §1.1307	Personal Communications Services (part 24) Broadband PCS (subpart E): non-building-mounted antennas: height above ground level to lowest point of antenna < 10 m and total power of all channels > 2000 W ERP (3280 W EIRP)
FCC §1.1310	LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE) Table 1(B) Limits for General Population/Uncontrolled Exposure 300–1500 MHz: f/1500 mW/cm² 1500–100,000 MHz: 1.0 mW/cm²
FCC §2.1091	Subject to routine evaluation is required when the device operate at frequencies of 1.5 GHz or below and their effective radiated power (ERP) is 1.5 watts or more, or if they operate at frequencies above 1.5 GHz and their ERP is 3 watts or more.
FCC §24.232	(a) Base stations are limited to 1640 watts peak equivalent isotropically radiated power (e.i.r.p.) with an antenna height up to 300 meters HAAT. b) Mobile/portable stations are limited to 2 watts e.i.r.p. peak power,
FCC §22.913	(a) Maximum ERP. The effective radiated power (ERP) of base transmitters and cellular repeaters must not exceed 500 Watts. The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.
FCC §27.50 (C)(10)	(10) Portable stations (hand-held devices) are limited to 3 watts ERP; and
FCC §27.50(d)	(4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band are limited to 1 watt EIRP.
KDBs	No. 447498 D01 v06



## 4.2. Requirements and limits for RSS Standard

#### 2.5 Exemption Limits for Routine Evaluation

All transmitters are exempt from routine SAR and RF exposure evaluations provided that they comply with the requirements of sections 2.5.1 or 2.5.2. If the equipment under test (EUT) meets the requirements of sections 2.5.1 or 2.5.2, applicants are only required to submit a properly signed declaration of compliance (see <u>Annex C</u>). The information contained in the RF exposure technical brief may be limited to the value(s) of the maximum output power, the information that demonstrates how the maximum output power of the transmitter was derived and the rationale for the separation distances applied (see <u>Table 1</u>), which must be based on the most conservative exposure condition for the applicable module or host platform test procedure requirements.

#### 2.5.2 Exemption Limits for Routine Evaluation — RF Exposure Evaluation

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than  $4.49/f^{0.5}$  W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1.31 x 10<sup>-2</sup> f<sup>0.6834</sup> W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

#### 2.6 User Manual Requirements

The applicant is responsible for providing proper instructions to the user of the radio device, and any usage restrictions, including limits of exposure durations. The user manual shall provide installation and operation instructions, as well as any special usage conditions (e.g. proper accessory required, including the proper orientation of the device in the accessory, maximum antenna gain in the case of detachable antenna), in order to ensure compliance with SAR and/or RF field strength limits. For instance, compliance distance shall be clearly stated in the user manual.

The user manual of devices intended for controlled use shall also include information relating to the operating characteristics of the device; the operating instructions to ensure compliance with SAR and/or RF field strength limits; information on the installation and operation of accessories to ensure compliance with SAR and/or RF field strength limits; and contact information where the user can obtain Canadian information on RF exposure and compliance. Other related information may also be included.

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## 4.3. General SAR test exclusion guidance

#### 4.3.1 Standalone SAR test exclusion considerations (FCC)

For 100 MHz to 6 GHz and test separation distances  $\leq$  50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]  $\cdot [\sqrt{f(GHz)}] \le 3.0$  for 1-g SAR, and  $\le 7.5$  for 10-g extremity SAR, where f(GHz) is the RF channel transmit frequency in GHz

#### 4.3.2 Exemption Limits for Routine Evaluation - SAR Evaluation (RSS)

		Exemption Limits (mW)									
Frequency (MHz)	At separation distance of ≤5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm						
≤300	71 mW	101 mW	132 mW	162 mW	193 mW						
450	52 mW	70 mW	88 mW	106 mW	123 mW						
835	17 mW	30 mW	42 mW	55 mW	67 mW						
1900	7 mW	10 mW	18 mW	34 mW	60 mW						
2450	4 mW	7 mW	15 mW	30 mW	52 mW						
3500	2 mW	6 mW	16 mW	32 mW	55 mW						
5800	1 mW	6 mW	15 mW	27 mW	41 mW						

#### 4.4. Evaluation Method

#### 4.4.1. Standalone

#### Valid for ANT (Custom Mode) & BT LE Mode:

- The peak power was checked on 3 frequencies (lowest/middle/highest) within the ANT (Custom Mode) and BT LE band and the results compared to applicant's declared power values (datasheet).
- No duty-cycle correction factor is applicable

Please find in the following tables the calculations based on applicants datasheet for the power values and measured antenna gain.



# 4.5. Results for fixed and mobile

## 4.5.1. Results for FCC Standard

# 4.5.1.1. Test exclusion for Bluetooth LE and ANT 2.4GHz (FCC)

Operation Mode	Frequency on channel (MHz)	Declared maximum conducted output power (dBm)	Max. positive tolerance according manfacturer's tune-up info (dB)	Measured Antenna Gain (dBi)	Max. positive path loss uncertainty: (dB)	Calculated maximum EIRP (Output power + Tune-up) (dBm)	Duty-Cycle %	Maximum EIRP	Calculated ERP incl. Duty cycle ((Output power + Tune-up)) x Duty cycle)
<b>5</b> 1	2400,0	4,00	1,00	-15,80	0,00	-10,80	100%	0,0832	0,0832
Bluetooth 2.4GHZ	2442,0	4,00	1,00	-15,55	0,00	-10,55	100%	0,0881	0,0881
2.401£	2483,0	4,00	1,00	-15,58	0,00	-10,58	100%	0,0875	0,0875
	2400,0	4,00	1,00	-15,80	0,00	-10,80	100%	0,0832	0,0832
Bluetooth 2.4GHZ	2442,0	4,00	1,00	-15,55	0,00	-10,55	100%	0,0881	0,0881
2.4012	2483,0	4,00	1,00	-15,58	0,00	-10,58	100%	0,0875	0,0875

Freq.	Frequency	Frequency Tune Up		Test	Calculate	Exclusion	Exclusion
Band	(GHz)	dBm	mW	Separation (mm)	Value	Threshold	(Y/N)
BT LE	2.450	5	3.2	5	1	3.0	Y
ANT	2.450	5	3.2	5	1	3.0	Y

## 4.5.2. Results for RSS Standard

## 4.5.2.1. Test exclusion for Bluetooth LE and ANT 2.4GHz (RSS)

Operation Mode	Frequency on channel (MHz)	Declared maximum conducted output power (dBm)	Max. positive tolerance according manfacturer's tune-up info	Measured Antenna Gain (dBi)	Max. positive path loss uncertainty: (dB)	Calculated maximum ERP (Output power + Tune-up)	Duty-Cycle	Maximum ERP	Calculated EIRP incl. Duty cycle ((Output power + Tune-up)) x Duty cycle)
	2400,0	4,00	1,00	-15,80	0,00	-10,80	100%	0,0832	0,0832
Bluetooth 2.4GHZ	2442,0	4,00	1,00	-15,55	0,00	-10,55	100%	0,0881	0,0881
2.46112	2483,0	4,00	1,00	-15,58	0,00	-10,58	100%	0,0875	0,0875
	2400,0	4,00	1,00	-15,80	0,00	-10,80	100%	0,0832	0,0832
Bluetooth 2.4GHZ	2442,0	4,00	1,00	-15,55	0,00	-10,55	100%	0,0881	0,0881
	2483,0	4,00	1,00	-15,58	0,00	-10,58	100%	0,0875	0,0875

	Exemption Limits (mW)									
Frequency (MHz)	At separation distance of ≤5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm					
2450	4 mW	7 mW	15 mW	30 mW	52 mW					

 $5dBm = 3.2mW < 4mW \Rightarrow$  Excemption fulfilled



#### 4.6. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

The measurement results comply with the RSS-102, Issue 5.

#### 4.7. Measurement uncertainties

The reported uncertainties are calculated based on the standard uncertainty multiplied with the appropriate coverage factor  $\mathbf{k}$ , 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's contribution to the overall uncertainty according it's statistical distribution calculated.

Following table shows expectable uncertainties for each measurement type performed.

RF-Measurement	Reference	Frequency range		Calculated uncertainty based on a confidence level of 95%			Remarks		
Conducted emissions (U CISPR)	CISPR 16-2-1	9 kHz - 150 kHz 150 kHz - 30 MHz	4.0 dB 3.6 dB				-		
Radiated emissions Enclosure	CISPR 16-2-3	30 MHz - 1 GHz 1 GHz - 18 GHz	4.2 dB 5.1 dB						E-Field
Disturbance power	CISPR 16-2-2	30 MHz - 300 MHz	-						-
Power Output radiated	-	30 MHz - 4 GHz	3.17 dB						Substitution method
Down Output conducted		Set-up No.	C1	Cel- C2	BT1	W1	W2		
Power Output conducted	-	9 kHz - 12.75 GHz	N/A	0.60					-
		12.75 - 26.5GHz	N/A	0.82					
Conducted emissions	-	9 kHz - 2.8 GHz	0.70	N/A			1		N/A - not
on RF-port		2.8 GHz - 12.75GHz	1.48	N/A					applicable
		12.75 GHz - 18GHz	1.81	N/A					
		18 GHz - 26.5GHz	1.83	N/A					
			0.1272 <u>j</u>	ppm (	Delta N	/arker)			Frequency
Occupied bandwidth	-	9 kHz - 4 GHz							error
			1.0 dB						Power
	-		0.1272 1	ppm (	Delta N	(Jarker			Frequency
Emission bandwidth		9 kHz - 4 GHz	G 1		<b>5</b> 0 1D				error
-	-		See above: 0.70 dB		Power				
Frequency stability	-	9 kHz - 20 GHz		0.0636 ppm			-		
		150 kHz - 30 MHz	5.0 dB		Magnetic				
Radiated emissions	-	30 MHz - 1 GHz	4.2 dB						field
Enclosure		1 GHz - 20 GHz	3.17 dB	i					E-field
									Substitution

Table: measurement uncertainties, valid for conducted/radiated measurements



# 5. Abbreviations used in this report

The abbreviation	The abbreviations						
ANSI	American National Standards Institute						
AV , AVG, CAV	Average detector						
EIRP	Equivalent isotropically radiated power, determined within a separate measurement						
EGPRS	Enhanced General Packet Radio Service						
EUT	Equipment Under Test						
FCC	Federal Communications Commission, USA						
IC	Industry Canada						
n.a.	not applicable						
Op-Mode	Operating mode of the equipment						
PK	Peak						
RBW	resolution bandwidth						
RF	Radio frequency						
RSS	Radio Standards Specification, Dokuments from Industry Canada						
Rx	Receiver						
TCH	Traffic channel						
Tx	Transmitter						
QP	Quasi peak detector						
VBW	Video bandwidth						
ERP	Effective radiated power						

# 6. Accreditation details of CETECOM's laboratories and test sites

Ref No.	Accreditation Certificate	Valid for laboratory area or test site	Accreditation Body
-	D-PL- 12047-01-01	All laboratories and test sites of CETECOM GmbH, Essen	DAkkS, Deutsche Akkreditierungsstelle GmbH
337 487 558 348 348	MRA US-EU 0003	Radiated Measurements 30 MHz to 1 GHz, 3 m / 10 m (OATS) Radiated Measurements 30 MHz to 1 GHz, 3 m (SAR) Radiated Measurements above 1 GHz, 3 m (FAR) Mains Ports Conducted Interference Measurements Telecommunication Ports Conducted Interference Measurem.	FCC, Federal Communications Commission Laboratory Division, USA
337 487 550 558	3462D-1 3462D-2 3462D-2 3462D-3	Radiated Measurements 30 MHz to 1 GHz, 3 m / 10 m (OATS) Radiated Measurements 30 MHz to 1 GHz, 3 m (SAR) Radiated Measurements 1 GHz to 6 GHz, 3 m (SAR) Radiated Measurements above 1 GHz, 3 m (FAR)	IC, Industry Canada Certification and Engineering Bureau
487 550 348 348	R-2666 G-301 C-2914 T-1967	Radiated Measurements 30 MHz to 1 GHz, 3 m (SAR) Radiated Measurements 1 GHz to 6 GHz, 3 m (SAR) Mains Ports Conducted Interference Measurements Telecommunication Ports Conducted Interference Measurem.	VCCI, Voluntary Control Council for Interference by Information Technology Equipment, Japan
OATS	S = Open Area Te	st Site, SAR = Semi Anechoic Room, FAR = Fully Anechoic Room	



# **7.** Versions of test reports (change history)

Version	Applied changes	Date of release
	Initial release	2018-10-08
C1	Separation distance changed and test exclusion added	2019-04-03

# **End of report**