

TEST REPORT

FCC ID: 2AJGT-016

Product: Smart Cable Lock

Model No.: O16

Additional Model No.: N/A

Trade Mark: Nokelock

Report No.: TCT190415E005

Issued Date: Apr. 17, 2019

Issued for:

Shenzhen Nokelock Technology Co., Ltd.
9th Floor, B Block, Fuhua Technology Building, No 9116 Beihuan Road,
Xili Street, Nanshan District, Shenzhen 518057, China

Issued By:

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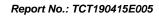




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1. Test Certification

Report No.: TCT190415E005

Product:	Smart Cable Lock				
Model No.:	O16				
Additional Model No.:	N/A				
Trade Mark:	Nokelock				
Applicant:	Shenzhen Nokelock Technology Co., Ltd.				
Address:	9th Floor, B Block, Fuhua Technology Building, No 9116 Beihuan Road, Xili Street, Nanshan District, Shenzhen 518057, China				
Manufacturer:	Shenzhen Nokelock Technology Co., Ltd.				
Address:	9th Floor, B Block, Fuhua Technology Building, No 9116 Beihuan Road, Xili Street, Nanshan District, Shenzhen 518057, China				
Date of Test:	Apr. 16, 2019 – Apr. 16, 2019				
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013				

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Jerry Lie

Date:

Apr. 16, 2019

Bent There

Date: Apr. 17, 2019

Approved By:

Reviewed By:

Date:

Apr. 17, 2019



2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	N/A
Conducted Peak Output Power	§15.247 (b)(3)	PASS
6dB Emission Bandwidth	§15.247 (a)(2)	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	§15.247(d)	PASS
Spurious Emission	§15.205/§15.209	PASS

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.





3. EUT Description

Product:	Smart Cable Lock
Model No.:	O16
Additional Model No.:	N/A
Trade Mark:	Nokelock
Hardware Version:	V2.0
Software Version:	V1.6
BT Version:	V4.0
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Technology:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	0dBi
Power Supply:	DC 3.0V

Operation Frequency each of channel

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
			<u> </u>				
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
Remark: Channel 0, 19 & 39 have been tested.							



TESTING CENTRE TECHNOLOGY Report No.: TCT190415E005

4. General Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%) with Fully-charged battery.

The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
1	1	1	1	(C)

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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5. Facilities and Accreditations

5.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,

Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	MU	
9	Conducted Emission	±2.56dB	
2	RF power, conducted	±0.12dB	
3	Spurious emissions, conducted	±0.11dB	
4	All emissions, radiated(<1G)	±3.92dB	
5	All emissions, radiated(>1G)	±4.28dB	
6	Temperature	±0.1°C	
7	Humidity	±1.0%	

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6. Test Results and Measurement Data

6.1. Antenna requirement

Standard requirement:

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

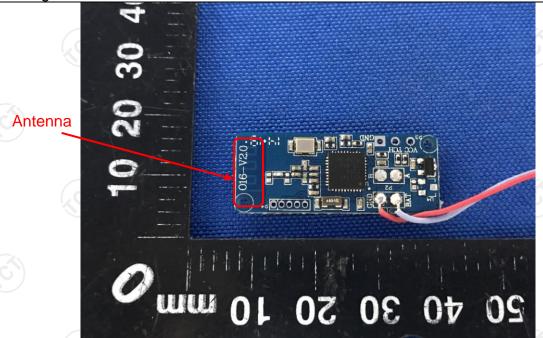
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is PCB antenna which permanently attached, and the best case gain of the antenna is 0dBi.





6.2. Conducted Emission

6.2.1. Test Specification

<u> </u>					
Test Requirement:	FCC Part15 C Section 15.207				
Test Method:	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz				
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto				
Limits:	Frequency range (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46				
	Peferen	ice Plane	1201		
Test Setup:	Adapter E.U.T Adapter Filter AC power EMI Receiver Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network				
Test Mode:	N/A				
Test Procedure:	 The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 				
Test Result:	N/A; The EUT is only p not applicable.	owered by batte	ery, so this item is		



6.3. Conducted Output Power

6.3.1. Test Specification

<u> </u>	(A)				A
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)				
Test Method:	KDB 558074 D01 v05r02				
Limit:	30dBm				
Test Setup:	Spectrum Analyzer		EUT		Ć
Test Mode:	Refer to item 4.1				
Test Procedure:	1. The testing foll FCC KDB No. v05r02. 2. Set spectrum a a) Set the RBW b) Set VBW c) Set span d) Sweep time e) Detector = p f) Trace mode a g) Allow trace t h) Use peak manualitude le	analyzer as for analyzer as for √ ≥ DTS bar 3 x RBW. 3 x RBW = auto couple eak. = max hold. o fully stabilize arker function	15.247 Mollowing: ndwidth. e.	eas Guidance	e
Test Result:	PASS				

6.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Sep. 20, 2019
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019
Antenna Connector	TCT	RFC-01	N/A	Sep. 20, 2019

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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6.3.3. Test Data

BT LE mode			
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	-6.00	30.00	PASS
Middle	-6.36	30.00	PASS
Highest	-6.57	30.00	PASS

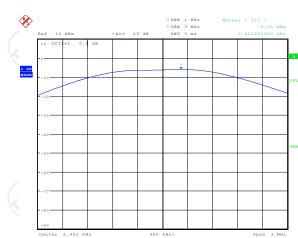
Test plots as follows:





BT LE mode

Lowest channel

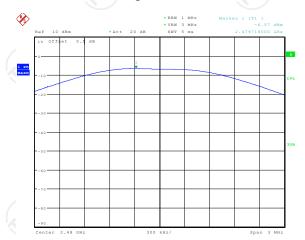




Middle channel



Highest channel



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6.4. Emission Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)						
Test Method:	KDB 558074 D01 v05r02						
Limit:	>500kHz						
Test Setup:	Spectrum Analyzer EUT						
Test Mode:	Refer to item 4.1						
Test Procedure:	 The testing follows FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report. 						
Test Result:	PASS						

6.4.2. Test Instruments

RF Test Room							
Equipment Manufacturer Model Serial Number Calibration Do							
Spectrum Analyzer	R&S	FSU	200054	Sep. 20, 2019			
RF cable (9kHz-26.5GHz)	б тст	RE-06	N/A	Sep. 20, 2019			
Antenna Connector	TCT	RFC-01	N/A	Sep. 20, 2019			

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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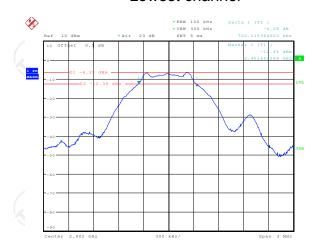
6.4.3. Test data

Test channel	6dB Emission Bandwidth (kHz)			
rest channel	BT LE mode	Limit	Result	
Lowest	700.12	>500k	0	
Middle	687.50	>500k	PASS	
Highest	692.31	>500k		

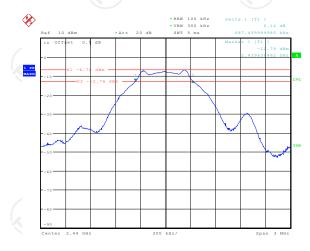
Test plo	ots as follow	s:			



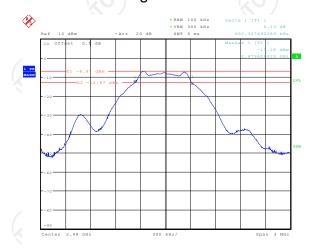
Lowest channel







Date: 16.APR.2019 10:03:57 Highest channel



Date: 16.APR.2019 10:00:50



6.5. Power Spectral Density

6.6. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)					
Test Method:	KDB 558074 D01 v05r02					
Limit:	The peak power spectral density shall not be greathan 8dBm in any 3kHz band at any time interval continuous transmission.					
Test Setup:	Constant Analysis FUT					
	Spectrum Analyzer					
Test Mode:	Refer to item 4.1					
Test Procedure:	 The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. 					
Test Result:	PASS					

6.6.1. Test Instruments

	<u> </u>							
RF Test Room								
Equipment Manufacturer Model Serial Number Calibration Du								
Spectrum Analyzer	R&S	FSU	200054	Sep. 20, 2019				
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019				
Antenna Connector	тст	RFC-01	N/A	Sep. 20, 2019				

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



6.6.2. Test data

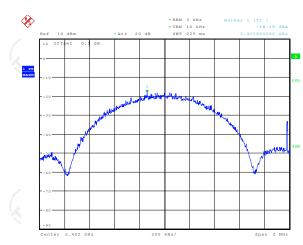
Toot channel	Power Spectral Density (dBm/3kHz)				
Test channel	BT LE mode	Limit	Result		
Lowest	-18.18	8 dBm/3kHz	8		
Middle	-18.01	8 dBm/3kHz	PASS		
Highest	-19.11	8 dBm/3kHz			

Test plots as follows:

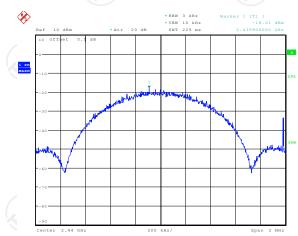




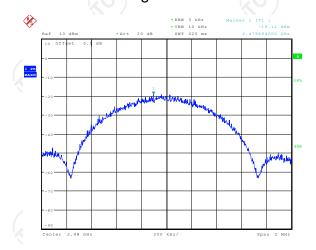
Lowest channel







Date: 16.APR.2019 10:05:33 Highest channel



Date: 16.APR.2019 10:06:13



6.7. Conducted Band Edge and Spurious Emission Measurement

6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	KDB 558074 D01 v05r02				
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB 30dB relative to the maximum PSD level in 100 kHz backers. RF conducted measurement and radiated emission which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).				
Test Setup:	Spectrum Anabasa EUT				
Test Mode:	Spectrum Analyzer Refer to item 4.1				
Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 				
Test Result:	PASS				

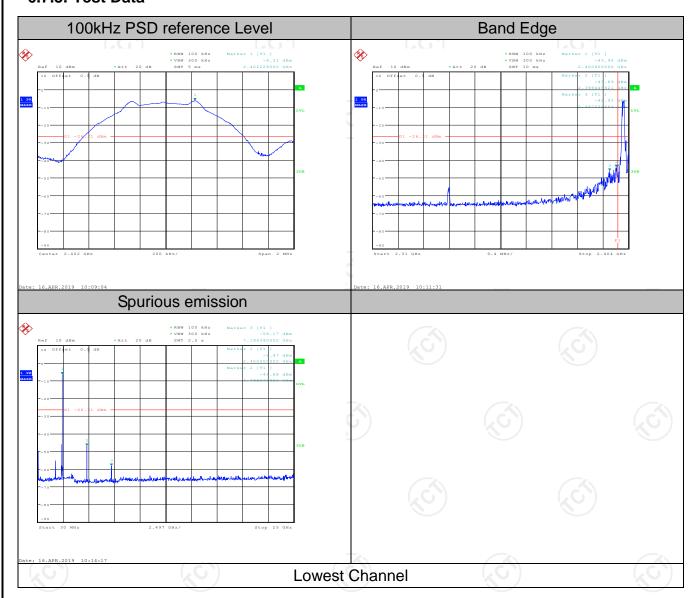


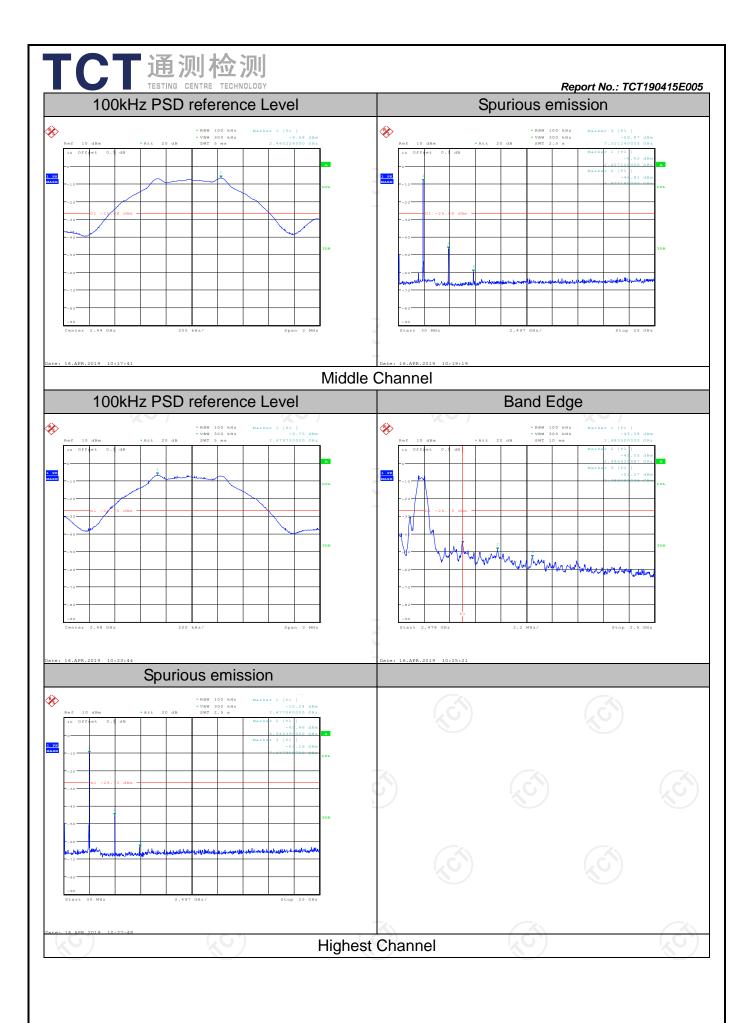
6.7.2. Test Instruments

RF Test Room							
Equipment Manufacturer Model Serial Number Calibration I							
Spectrum Analyzer	R&S	FSU	200054	Sep. 20, 2019			
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019			
Antenna Connector	TCT	RFC-01	N/A	Sep. 20, 2019			

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.7.3. Test Data







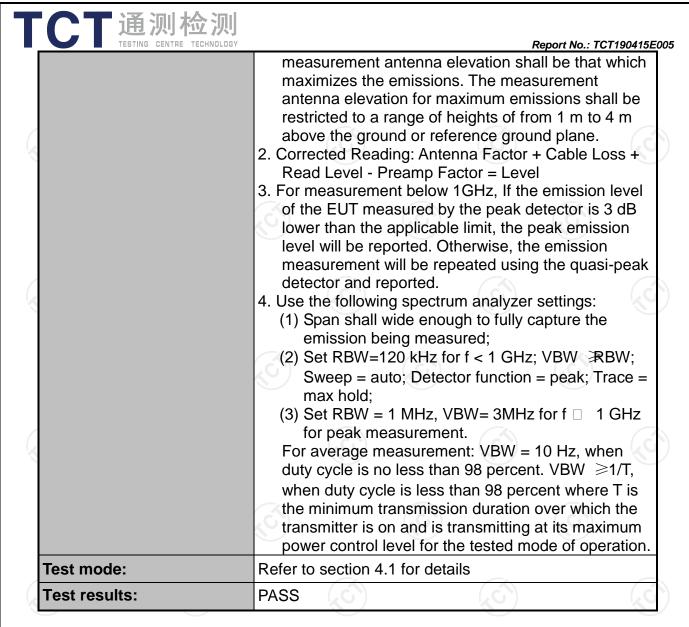
6.8. Radiated Spurious Emission Measurement

6.8.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209							
Test Method:	ANSI C63.10: 2013							
Frequency Range:	9 kHz to 25 GHz							
Measurement Distance:	3 m				190			
Antenna Polarization:	Horizontal & Vertical							
Operation mode:	Refer to item 4.1							
	Frequency	Detector	RBW	VBW	ı	Remark		
	9kHz- 150kHz	Quasi-pea	k 200Hz	1kHz	Quas	i-peak Value		
Receiver Setup:	150kHz- 30MHz	Quasi-pea	k 9kHz	30kHz	Quas	i-peak Value		
·	30MHz-1GHz	Quasi-pea	k 120KHz	300KHz	Quas	i-peak Value		
	Above 1GHz	Peak	1MHz	3MHz	Pe	eak Value		
	Above 1GHZ	Peak	1MHz	10Hz	Ave	rage Value		
	Frequen	су		rield Strength crovolts/meter)		Measurement Distance (meters)		
	0.009-0.490		2400/F(KHz)		300			
	0.490-1.705		24000/F(KHz)		30			
	1.705-30		30		30			
	30-88		100 150		3			
Limit:	88-216 216-960		200			3		
Lillit.	Above 960		500		3			
	(20		(· (C)	I	(, C		
	II Fredilency I		Field Strength icrovolts/meter) Measure Distar (mete		се	Detector		
	Above 1GHz	,	500	3		Average		
	Above IGI12		5000	3		Peak		
	For radiated emissions below 30MHz							
Test setup:	Pre -Amplifier							
Tool Solup.	0.8m Turn table Im							
	1,0	-, -,	nd Plane	ـــــــــــــــــــــــــــــــــــــ		(.6		
	30MHz to 10	SHz						

maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission

and staying aimed at the emission source for receiving the maximum signal. The final







6.8.2. Test Instruments

Radiated Emission Test Site (966)						
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due		
Test Receiver	ROHDE&SCHW ARZ	ESIB7	100197	Jul. 17, 2019		
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ40	200061	Sep. 20, 2019		
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 16, 2019		
Pre-amplifier	HP	8447D	2727A05017	Sep. 16, 2019		
Loop antenna	ZHINAN	ZN30900A	12024	Oct. 20, 2019		
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 02, 2019		
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Oct. 20, 2019		
Horn Antenna	A-INFO	LB-180400-KF	J211020657	Sep. 16, 2019		
Antenna Mast	Keleto	RE-AM	N/A	N/A		
Coax cable (9KHz-1GHz)	тст	RE-low-01	N/A	Sep. 16, 2019		
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 16, 2019		
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Sep. 16, 2019		
Coax cable (9KHz-40GHz)	тст	RE-high-04	N/A	Sep. 16, 2019		
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A		

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

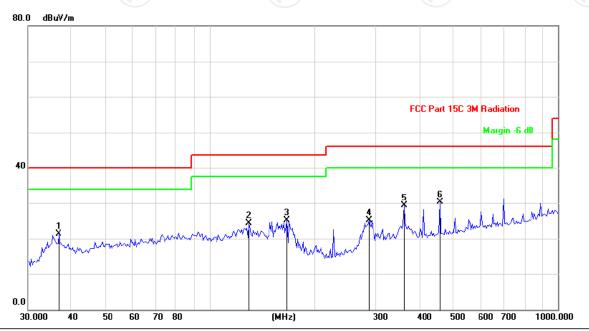


6.8.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



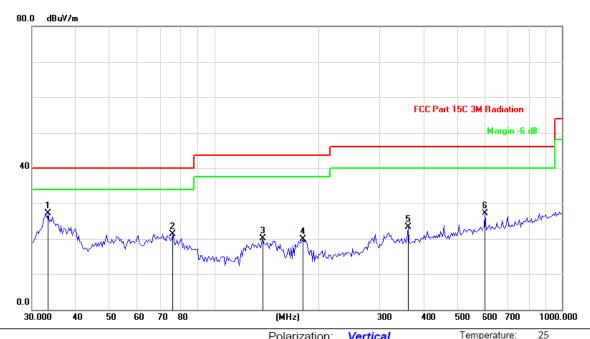
Site Polarization: Horizontal Temperature: 25
Limit: FCC Part 15C 3M Radiation Power: DC 3.7V Humidity: 55 %

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1		36.7811	32.35	-11.04	21.31	40.00	-18.69	peak	200	251	
2		129.3923	39.43	-15.17	24.26	43.50	-19.24	peak	200	251	
3		166.6385	40.63	-15.50	25.13	43.50	-18.37	peak	200	251	
4		286.2653	36.53	-11.36	25.17	46.00	-20.83	peak	200	251	
5		360.9775	38.88	-9.53	29.35	46.00	-16.65	peak	200	251	
6	*	458.3987	38.49	-8.17	30.32	46.00	-15.68	peak	200	251	





Vertical:



Site Polarization: Vertical Temperature: 25
Limit: FCC Part 15C 3M Radiation Power: DC 3.7V Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1	*	33.3348	38.10	-11.02	27.08	40.00	-12.92	peak	100	189	
2		76.3867	37.72	-16.32	21.40	40.00	-18.60	peak	100	189	
3		137.8400	36.14	-15.94	20.20	43.50	-23.30	peak	100	189	
4		180.0302	34.76	-14.91	19.85	43.50	-23.65	peak	100	189	
5		360.9775	32.76	-9.53	23.23	46.00	-22.77	peak	100	189	
6		602.9287	32.93	-5.78	27.15	46.00	-18.85	peak	100	189	

Note: 1.The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Lowest channel) was submitted only.





Above 1GHz

Low channel: 2402 MHz												
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
2390	Н	46.15		-8.27	37.88		74	54	-16.12			
4804	Н	45.82		0.66	46.48		74	54	-7.52			
7206	Н	38.37		9.50	47.87		74	54	-6.13			
	Н											
2390	CV	43.58	-4 _x G	-8.27	35.31	(C) ' }-	74	54	-18.69			
4804	V	44.06		0.66	44.72	<u></u>	74	54	-9.28			
7206	V	38.91		9.50	48.41		74	54	-5.59			
	V											

Middle cha	nnel: 2440)MHz		1/4)		((0))		1/20
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	A \ /	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4880	H	42.43	(^	0.99	43.42		74	54	-10.58
7320	H	38.60	-1/2	9.87	48.47	9	74	54	-5.53
	Н))	
4880	V	43.29		0.99	44.28		74	54	-9.72
7320	V	37.74		9.87	47.61		74	54	-6.39
)	V	<u></u>			J				

High channel: 2480 MHz												
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
2483.5	Η	46.26	:	-7.83	38.43		74	54	-15.57			
4960	Н	47.81		1.33	49.14		74	54	-4.86			
7440	Н	39.58		10.22	49.80		74	54	-4.20			
(()	Н	(.)		(, ((``ر		(,G-)		{,C			
2483.5	V	48.93		-7.83	41.10		74	54	-12.90			
4960	V	47.67		1.33	49.00		74	54	-5.00			
7440	V	38.35		10.22	48.57		74	54	-5.43			
	VOV		-140)		(0-)		(,0,0				

Note:

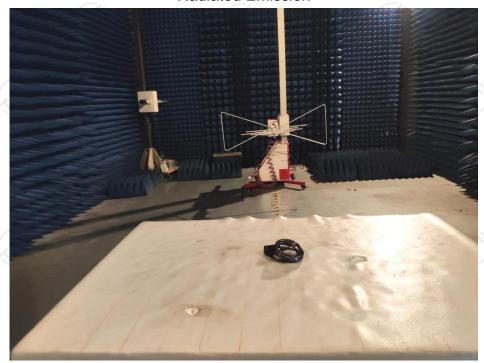
- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

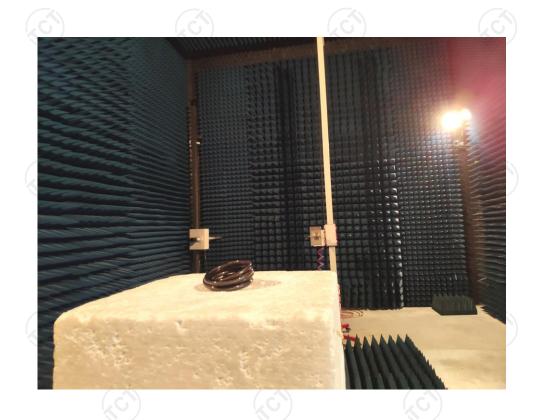




Appendix A: Photographs of Test Setup Product: Smart Cable Lock

Product: Smart Cable Lock Model: O16 Radiated Emission







Appendix B: Photographs of EUT Product: Smart Cable Lock Model: O16

External Photos











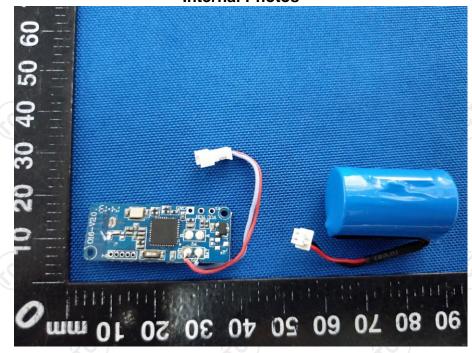


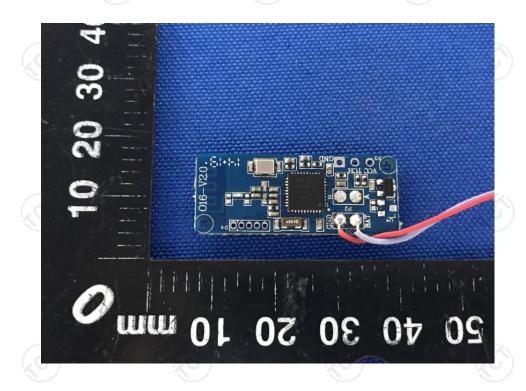






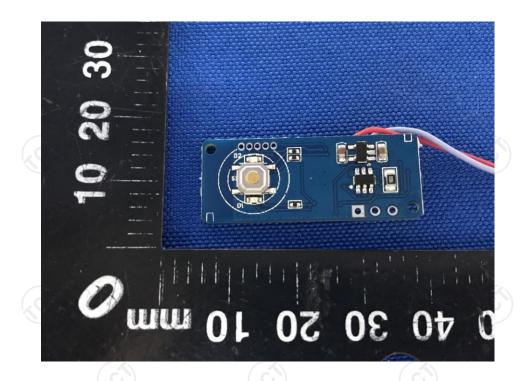
Product: Smart Cable Lock Model: O16 Internal Photos

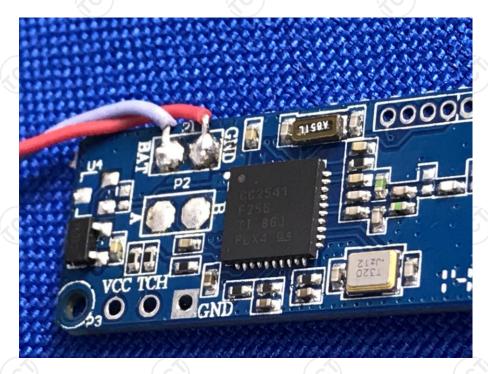


















*****END OF REPORT****