

TEST REPORT

FCC ID: 2AH72DSIT007

Product: Wireless Presenter

Model No.: DSIT007

Additional Model: N/A

Trade Mark: VINSIC

Report No.: TCT160425E001

Issued Date: May 31, 2016

Issued for:

Shenzhen light year New Technology Co., Ltd.
RM868, 8/f Tower A Tianjing Building, Tian'an Cyber Park, che gong Miao,
Futian District, Shenzhen, Guangdong, China

Issued By:

Shenzhen Tongce Testing Lab.

1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China

TEL: +86-755-27673339

FAX: +86-755-27673332

Note: This report shall not be reproduced except in full, without the written approval of Shenzhen Tongce Testing Lab.

This document may be altered or revised by Shenzhen Tongce Testing Lab. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com





TABLE OF CONTENTS

 EUT Des Genera 1. Test 1. Desc 	sult Summarynformation			5 6
4.1. Test 4.2. Desc	nformation Environment and Mode ription of Support Units			6
4.1. Test 4.2. Desc	Environment and Modeription of Support Units			6
4.2. Desc	ription of Support Units			_
				6
5. Facilities	(,0')			b
	s and Accreditations	<i></i>	<u>G)</u>	7
5.1. Facili	ties			7
	ion			
5.3. Meas	urement Uncertainty			7
6. Test Res	sults and Measurement Da	ıta		8
6.1. Anter	nna Requirement	<u>)</u> ,	<u> </u>	8
6.2. Cond	ucted Emission			9
	ted Emission Measurement			
6.4. 20dB	Occupied Bandwidth	()	(.(.()	19
Appendix A	: Photographs of Test Set	up		
Appendix B	: Photographs of EUT			
(60.)	(0)			



1. Test Certification

Product:	Wireless Presenter
Model No.:	DSIT007
Additional Model:	N/A
Applicant:	Shenzhen light year New Technology Co., Ltd.
Address:	RM868, 8/f Tower A Tianjing Building, Tian'an Cyber Park, che gong Miao, Futian District, Shenzhen, Guangdong, China
Manufacturer:	Chiang Network Technology Co., Limited
Address:	3 floor Haixinguang tech Industrial Park A building Fengxin road and Chun Mei Avenue Interchange, Guangming District, Shenzhen
Date of Test:	Apr. 25 –May 30, 2016
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.249

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: Date: May 30, 2016

Reviewed By: Date: May 31, 2016

Beryl Zhao

Tomsin

Joe Zhou

Approved By: Date: May 31, 2016



2. Test Result Summary

Requirement	CFR 47 Section	Result	
Antenna Requirement	§15.203	PASS	
AC Power Line Conducted Emission	§15.207	N/A	
Field Strength of Fundamental	§15.249 (a)	PASS	
Spurious Emissions	§2.1053 §15.249 (a) (d)/ §15.209	PASS	
Band Edge	§2.1053 §15.249 (d)/ §15.205	PASS	
20dB Occupied Bandwidth	§2.1049 §15.215 (c)	PASS	

Note:

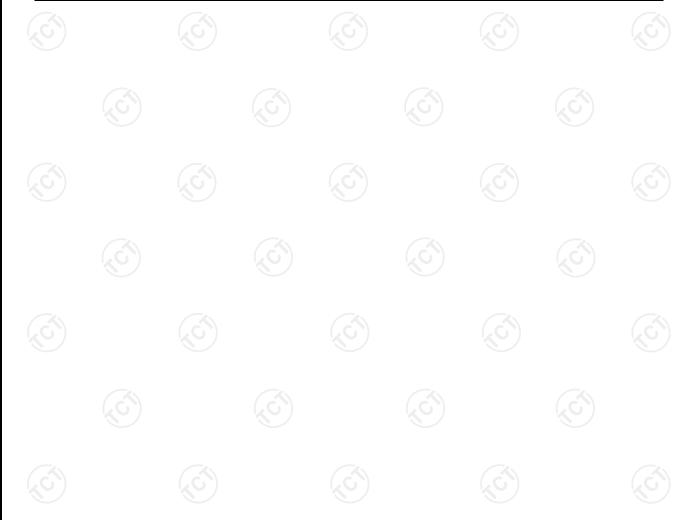
- 1. Pass: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.





3. EUT Description

Product Name:	Wireless Presenter
Model :	DSIT007
Additional Model:	N/A
Trade Mark:	VINSIC
Operation Frequency:	2426MHz
Number of Channel:	1
Modulation Technology:	GFSK
Antenna Type:	Integral Antenna
Antenna Gain:	0dBi
Power Supply:	Rechargeable Li-ion Battery DC3.7V





4. Genera Information

4.1. Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel

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.

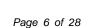
4.2. Description of Support Units

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	(6) 1		

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.





5. Facilities and Accreditations

5.1. Facilities

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

• FCC - Registration No.: 572331

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

CNAS - Registration No.: CNAS L6165
 Shenzhen TCT Testing Technology Co., Ltd. is accredited to ISO/IEC 17025:2005
 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6165.

5.2.Location

Shenzhen Tongce Testing Lab

Address: 1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China

Tel: 86-755-36638142

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
1	Conducted Emission		±2.56dB
2	RF power, conducted	(0)	±0.12dB
3	Spurious emissions, conducted		±0.11dB
4	All emissions, radiated(<1GHz)	(x	±3.92dB
5	All emissions, radiated(>1GHz)		±4.28dB
6	Temperature		±0.1°C
7	Humidity		±1.0%



6. Test Results and Measurement Data

6.1. Antenna Requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

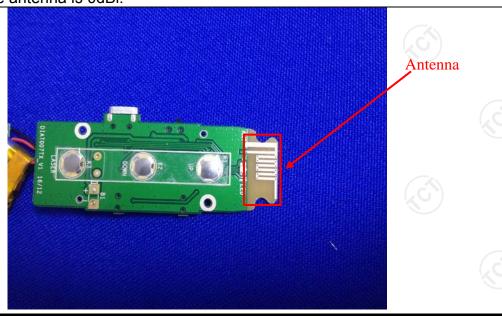
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 EUT antenna is an integral antenna which permanently attached, and the best case gain of the antenna is 0dBi.



Page 8 of 28



6.2.Conducted Emission

6.2.1. Test Specification

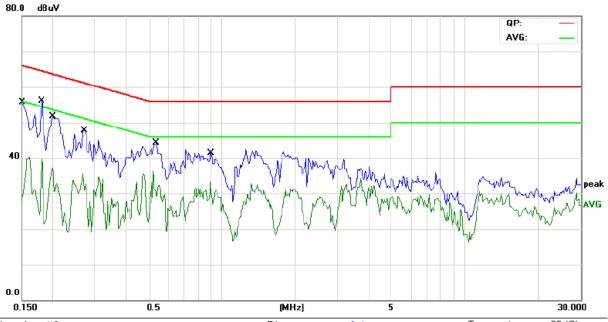
Test Method: ANSI C63.10:2013 Frequency Range: 150 kHz to 30 MHz Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane LISN 40cm 80cm Filter Ac pow Requipment Linder Test LOT Test table Insulation plane Receiver Test Mode: Transmitting mode with modulation 1. The E.U.T and simulators are connected to the machine power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupli impedance for the measuring equipment. 2. The peripheral devices are also connected to the machine power through a LISN that provides a 50ohm/50 coupling impedance with 50ohm termination. (Plear feet to the block diagram of the test setup a photographs). 3. Both sides of A.C. line are checked for maximus conducted interference. In order to find the maximus emission, the relative positions of equipment and all the interface cables must be changed according ANSI C63.10; 2013 on conducted measurement.				
Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto	Test Requirement:	FCC Part15 C Section	15.207	1/C
Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto	Test Method:	ANSI C63.10:2013		
Frequency range (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane LISN Aux Equipment Lish Equipment Lish Lish Insulation plane Remark EUT Equipment Under Test LISN Line impedence Stabilization Network Test table (Insulation plane) 1. The E.U.T and simulators are connected to the machine power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50 urg depreted by the modern of the measuring equipment. 2. The peripheral devices are also connected to the machine power through a LISN that provides a 50ohm/50 coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the machine power through a LISN that provides a 50ohm/50 coupling impedance with 50ohm termination. (Plearefer to the block diagram of the test setup a photographs). 3. 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 the interface cables must be changed according	Frequency Range:	150 kHz to 30 MHz		(c^{i})
Limits: Quasi-peak Average	Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto
Test Mode: Test Mode: Test Procedure: 0.15-0.5 66 to 56* 56 to 46* 56 to 46* 5-30 60 50 Reference Plane LISN 40cm 80cm Filter AC pow Receiver Remark EUT Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m Transmitting mode with modulation 1. The E.U.T and simulators are connected to the many power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupli impedance for the measuring equipment. 2. The peripheral devices are also connected to the many power through a LISN that provides a 50ohm/50 coupling impedance with 50ohm termination. (Pleat refer to the block diagram of the test setup and photographs). 3. 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 the interface cables must be changed according		Frequency range	Limit (dBuV)
Test Mode: O.15-0.5 66 to 56* 56 to 46*		(MHz)	Quasi-peak	Average
Test Setup: Reference Plane	Limits:	0.15-0.5		56 to 46*
Test Setup: Reference Plane			1	·
Test Setup: Remark				
Test Setup: Test table/Insulation plane		Refere	nce Plane	(201)
1. The E.U.T and simulators are connected to the mapower through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the mapower through a LISN that provides a 50ohm/50coupling impedance with 50ohm termination. (Pleater to the block diagram of the test setup a photographs). 3. 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 the interface cables must be changed according	•	Test table/Insulation pla Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Test table height=0.8m	J.T EMI Receiver	ter — AC power
power through a line impedance stabilization network. (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the mapower through a LISN that provides a 50ohm/50 coupling impedance with 50ohm termination. (Pleater to the block diagram of the test setup a photographs). 3. 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 the interface cables must be changed according.	Test wode.			
	Test Procedure:	power through a line (L.I.S.N.). This proimpedance for the magnetic power through a LI coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferer emission, the relative the interface cables.	e impedance stable impedance stable vides a 50 ohm neasuring equipment of the services are also connected with 50 ohm term diagram of the line are checked ince. In order to find the service of the services must be changed impediately.	bilization network of 1/50uH coupling ent. ected to the main a 50ohm/50uH nination. (Please test setup and ed for maximum of the maximum ipment and all of ed according to
Test Result: PASS	Test Result:			





6.2.2. Test Data

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



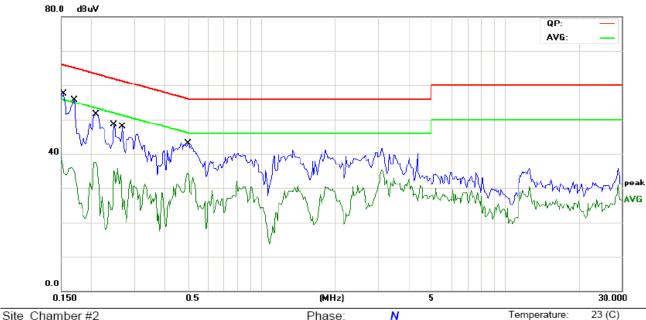
Site Chamber #2 Phase: L1 Temperature: 23 (C)
Limit: FCC Part 15B Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 54 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBu∨	dB	Detector	Comment
1	*	0.1500	41.10	11.52	52.62	65.99	-13.37	QP	
2		0.1500	27.00	11.52	38.52	55.99	-17.47	AVG	
3		0.1812	30.55	11.50	42.05	64.43	-22.38	QP	
4		0.1812	10.49	11.50	21.99	54.43	-32.44	AVG	
5		0.2008	35.86	11.48	47.34	63.57	-16.23	QP	
6		0.2008	24.82	11.48	36.30	53.57	-17.27	AVG	
7		0.2711	25.26	11.44	36.70	61.08	-24.38	QP	
8		0.2711	16.96	11.44	28.40	51.08	-22.68	AVG	
9		0.5406	26.67	11.29	37.96	56.00	-18.04	QP	
10		0.5406	16.20	11.29	27.49	46.00	-18.51	AVG	
11		0.9000	25.28	11.20	36.48	56.00	-19.52	QP	
12		0.9000	17.90	11.20	29.10	46.00	-16.90	AVG	





Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Limit: FCC Part 15B Class B Conduction(QP)

 Phase:
 N
 Temperature:
 23 (C)

 Power:
 AC 120V/60Hz
 Humidity:
 54 %

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBu∨	dBuV	dB	Detector	Comment
1	0.1539	36.67	11.51	48.18	65.78	-17.60	QP	
2	0.1539	24.06	11.51	35.57	55.78	-20.21	AVG	
3	0.1695	36.56	11.51	48.07	64.98	-16.91	QP	
4	0.1695	22.93	11.51	34.44	54.98	-20.54	AVG	
5	0.2086	34.35	11.48	45.83	63.26	-17.43	QP	
6	0.2086	23.08	11.48	34.56	53.26	-18.70	AVG	
7	0.2477	31.66	11.46	43.12	61.83	-18.71	QP	
8	0.2477	17.59	11.46	29.05	51.83	-22.78	AVG	
9	0.2672	28.31	11.45	39.76	61.20	-21.44	QP	
10	0.2672	18.04	11.45	29.49	51.20	-21.71	AVG	
11	0.4977	27.43	11.31	38.74	56.04	-17.30	QP	
12 *	0.4977	19.48	11.31	30.79	46.04	-15.25	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak

AVG =average

^{*} is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.





6.3. Radiated Emission Measurement

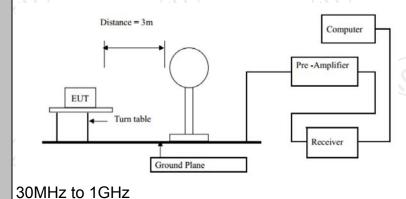
6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209/ Part 2 J Section 2.1053					
Test Method:	ANSI C63.4					
Frequency Range:	9 kHz to 25					
Measurement Distance:	3 m		(c)		(C)	
)				
Antenna Polarization:	Horizontal 8	& Vertical				
	Frequency	Detector	RBW	VBW	Remark	
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value	
Receiver Setup:	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value	
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value	
	Above 1GHz	Peak	1MHz	3MHz	Peak Value	
		Peak	1MHz	10Hz	Average Value	
Limit(Field strength of the	Freque	ency	Limit (dBu\	//m @3m)	Remark	
fundamental signal):	2400MHz-24	183 5MHz	94.	00	Average Value	
lundamentai signai).	2400IVII 12-2-	+03.5WII 12	114.00		Peak Value	
	Erogue	nev	Limit (dBu)	//m @3m)	Remark	
	0.009-0		Limit (dBuV/m @3m)		Quasi-peak Value	
	0.490-1.705		2400/F(KHz) 24000/F(KHz)		Quasi-peak Value	
	1.705-30		30		Quasi-peak Value	
Limit/Onemiana Emiasiana).		30MHz-88MHz		.0	Quasi-peak Value	
Limit(Spurious Emissions):	88MHz-2		43	.5	Quasi-peak Value	
	216MHz-960MHz		46.0		Quasi-peak Value	
	960MHz-1GHz		54.0		Quasi-peak Value	
	Above	1GHz	54.0		Average Value	
			74	_	Peak Value	
Limit (band edge) :	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.					
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber in below 1GHz, 1.5m above the ground in above 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 					



- 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

For radiated emissions below 30MHz



Antenna Tower

Search
Antenna

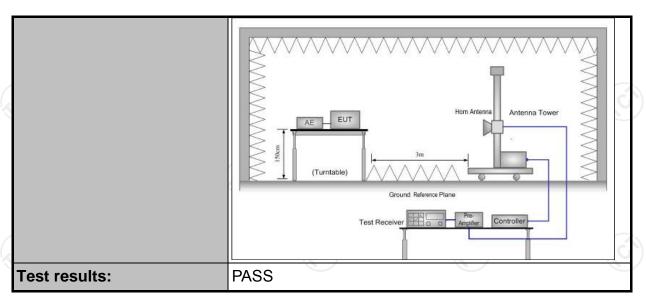
RF Test
Receiver

Ground Plane

Above 1GHz

Test setup:





6.3.2. Test Instruments

			9	
ESPI Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Sep. 11, 2016
Spectrum Analyzer	ROHDE&SCHW ARZ	FSEM	848597/001	Sep. 11, 2016
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 12, 2016
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 11, 2016
Pre-amplifier	HP	8447D	2727A05017	Sep. 11, 2016
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 13, 2016
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 13, 2016
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 13, 2016
Horn Antenna	Schwarzbeck	BBHA 9170	373	Sep. 13, 2016
Coax cable	TCT	RE-low-01	N/A	Sep. 11, 2016
Coax cable	TCT	RE-high-02	N/A	Sep. 11, 2016
Coax cable	тст	RE-low-03	N/A	Sep. 11, 2016
Coax cable	TCT	RE-high-04	N/A	Sep. 11, 2016
Antenna Mast	CCS	CC-A-4M	N/A	CN/A
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).



6.3.3. Test Data

Field Strength of Fundamental

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horizontal /Vertical	Limits PK/AV (dBuV/m)	Margin (dB)
2426	92.61 (PK)	Н	114/94	-21.39
2426	88.61 (AV)	Н	114/94	-5.39
2426	89.61 (PK)	V	114/94	-24.39
2426	85.61(AV)	V	114/94	-8.39

Spurious Emissions

Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)
(A)	(* \	<u> </u>
O) (O)	(CO.)	((0)) ((0

Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor

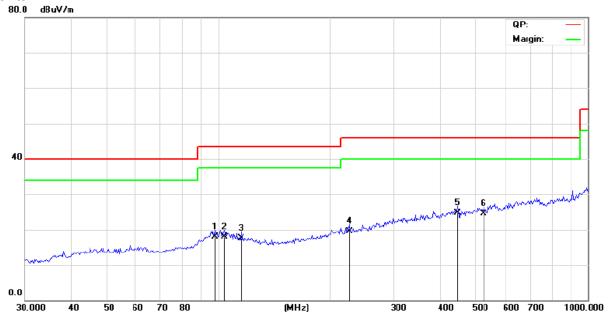
2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement





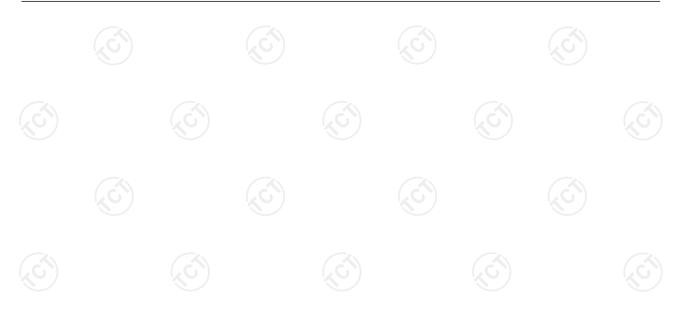
Frequency Range (30MHz-1GHz)

Horizontal:



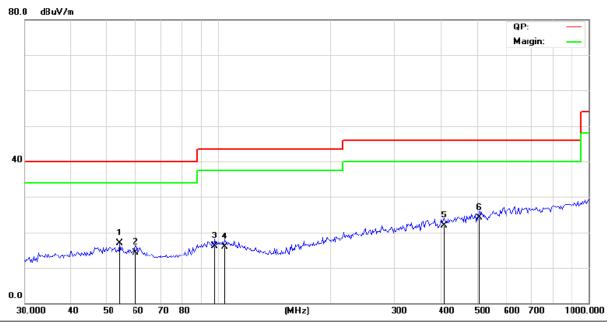
Site Chamber #2 Polarization: Horizontal Temperature: 25 (C) Limit: FCC Part 15B Class B RE_3 m Power: DC 3.7V Humidity: 54 %

No	. Mł	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		98.1902	29.68	-11.72	17.96	43.50	-25.54	QP	
2)	104.4514	29.62	-11.68	17.94	43.50	-25.56	QP	
3	3	115.5695	30.40	-12.92	17.48	43.50	-26.02	QP	
4	1	226.8324	30.17	-10.76	19.41	46.00	-26.59	QP	
5	*	445.2115	29.45	-4.73	24.72	46.00	-21.28	QP	
- 6	;	524.0117	27.28	-2.72	24.56	46.00	-21.44	QP	





Vertical:



Site Chamber #2 Polarization: Vertical Temperature: 25 (C)
Limit: FCC Part 15B Class B RE_3 m Power: DC 3.7V Humidity: 54 %

No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	54.1221	29.22	-12.35	16.87	40.00	-23.13	QP	
2	59.8830	27.18	-12.80	14.38	40.00	-25.62	QP	
3	97.6401	27.91	-11.80	16.11	43.50	-27.39	QP	
4	104.4514	27.51	-11.68	15.83	43.50	-27.67	QP	
5	409.2216	27.71	-5.89	21.82	46.00	-24.18	QP	
6 *	506.6385	27.09	-2.90	24.19	46.00	-21.81	QP	

Note: Measurements were conducted in all channels (high, middle, low), and the worst case (low channel) was submitted only.





Above 1GHz

	channel: 2426MHz								
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)
2387.50	Н	47.56		-4.2	43.36		74.00	54.00	-10.64
2387. 50	Н		41.35	-4.20	<i></i>	37.15	74.00	54.00	-16.85
4852.00	Н	54.05		-3.94	50.11		74.00	54.00	-3.89
7278.00	Н	47.88		0.52	48.4		74.00	54.00	-5.6
	4							-	
	(O)		120			(\mathbf{O}^*)		$(\mathcal{L}_{\mathcal{L}})$	
2387.50	V	48.06	-	-4.2	43.86	<u></u>	74.00	54.00	-10.14
2387.50	V		41.97	-4.20		37.77	74.00	54.00	-16.23
4852.00	V	48.33		-3.94	44.39		74.00	54.00	-9.61
7278.00	V	46.78		0.52	47.3		74.00	54.00	-6.7
9)		(-2))		<u> </u>		1/0

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.

Band Edge Requirement

channel: 24	channel: 2426 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)
2400	Н	48.37		-4.2	44.17		74.00		-29.83
2400	Н	40	42.56	-4.2	(0-7-	38.36	(LO)	54.00	-15.64
2483.5	Н	52.42		-4.2	48.22		74.00		-25.78
2483.5	Н		40.93	-4.2		36.73		54.00	-17.27
2400	V	49.28		-4.2	45.08		74.00		-28.92
2400	V		38.61	-4.2		34.41		54.00	-19.59
2483.5	V	51.22	🖔	-4.2	47.02	\ <u></u>	74.00		-26.98
2483.5	V		41.83	-4.2		37.63		54.00	-16.37

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. $Margin (dB) = Emission Level (Peak/Average)(dB\mu V/m)-(Peak/Average) limit (dB\mu V/m)$
- 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.





6.4.20dB Occupied Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.215(c)/ Part 2 J Section 2.1049
Test Method:	ANSI C63.10: 2013
Limit:	N/A
	 According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. Set to the maximum power setting and enable the EUT transmit continuously. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW≥1% of the 20 dB bandwidth; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. Measure and record the results in the test report.
Test setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test results:	PASS
7.7	

6.4.2. Test Instruments

RF Test Room							
Equipment Manufacturer Model Serial Number Calibration Due							
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 12, 2016			

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





6.4.3. Test data

Test Channel	20dB Occupy Bandwidth (kHz)	Limit	Conclusion	
2426	1203		PASS	

channel

Test plots as follows:



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

#VBW 100 kHz



Appendix A: Photographs of Test Setup Product: Wireless Presenter

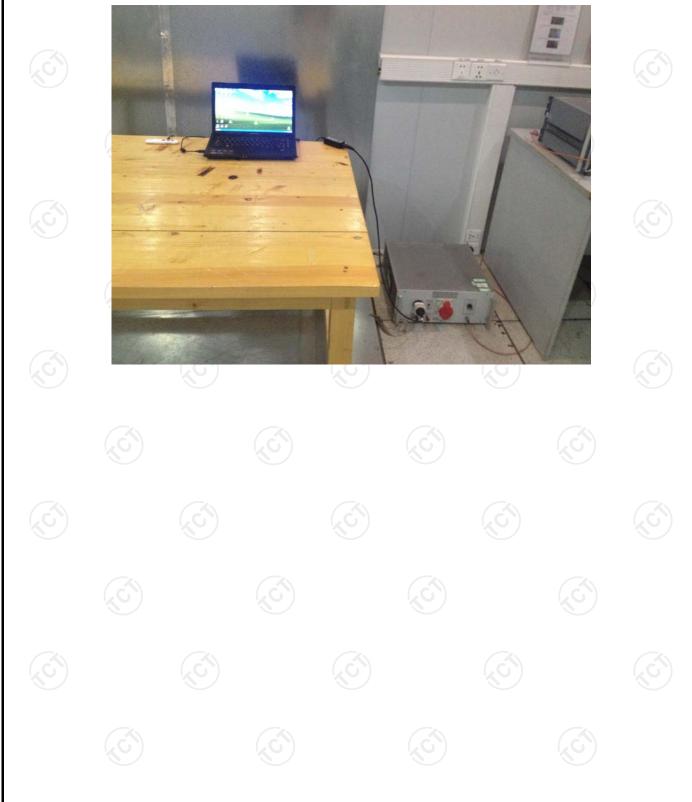
Product: Wireless Presenter Model: DSIT007 Radiated Emission







CE





Appendix B: Photographs of EUT Product: Wireless Presenter Model: DSIT007







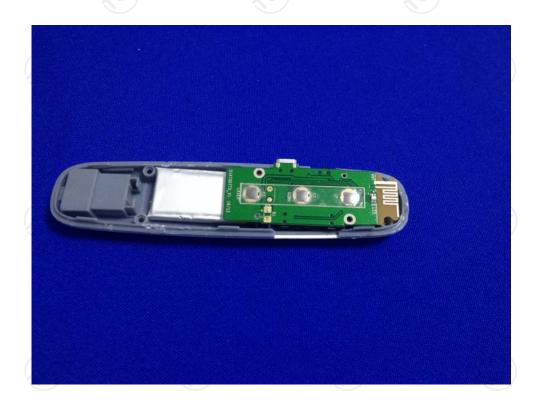




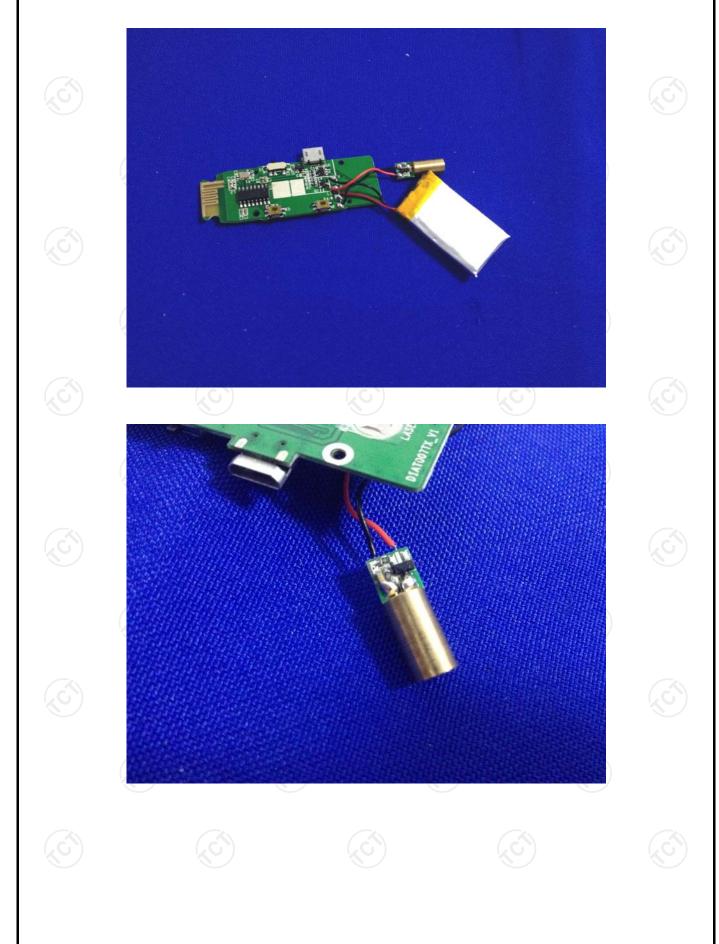


Internal Photos









TCT通测检测 testing centre technology

