

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC164758

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FCC Radio Test Report FCC ID: 2ADYO-SL170X

TB-FCC164758 Report No.

Applicant Sensoro Co., Ltd.

Equipment Under Test (EUT)

EUT Name : SENSORO LENS

Model No. SL1701 Serial Model No. **SL170X**

: SENSORO **Brand Name**

Receipt Date 2019-03-13

Test Date : 2019-03-13 to 2019-06-21

Issue Date : 2019-06-21

: FCC Part 15, Subpart C (15.249) **Standards**

ANSI C63.10: 2013 **Test Method**

Conclusions PASS

In the configuration tested, the EUT complied with the standards specified above,

The EUT technically complies with the FCC requirements

Test/Witness Engineer

Jason Xu

LVAN SU **Engineer Supervisor**

Ivan Su

Engineer Manager

Ray Lai

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0



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Revision History

Report No.	Version	Description	Issued Date
TB-FCC164758	Rev.01	Initial issue of report	2019-06-21
A MORTO	THE PULL		
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	1000		
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1. General Information about EUT

1.1 Client Information

Applicant : Sensoro Co., Ltd.		Sensoro Co., Ltd.	
Address : Room 2807, Building 1B, Wangjing SOHO, No. 10 Wangjing Chaoyang District, Beijing, China		Room 2807, Building 1B, Wangjing SOHO, No. 10 Wangjing Street, Chaoyang District, Beijing, China	
Manufacturer		Hangzhou Xiongmai Technology Co., Ltd.	
Address		No2 Dongqiao Rd Dongzhou Functional Zone, Dongzhou Street Fuyang District, Hangzhou, China	

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	SENSORO LENS		
Models No.	Ŀ	SL1701,SL170X		
Model Difference		All these models are identical in the same PCB layout and electrical circuit, The only difference is the difference Appearance of the color and model.		
		Operation Frequency: 9	002.3MHz-927.5MHz	
		Number of Channel: 12	7 channels	
Product Description		Max. Field Strength:	87.44dBuV/m@3m	
Description		Antenna Gain:	3 dBi Spring Antenna	
		Modulation Type:	CSS	
Power Supply	:	DC Voltage supplied by	AC/DC Adapter	
Power Rating		AC/DC Adapter (SLU2808): : Input: AC 100~240V, 50/60Hz, 0.6A. Output: DC 5V, 2A. : V1.03 : V1.4x : Please refer to the User's Manual		
Software Version	ä			
Hardware Version	1			
Connecting I/O Port(S)				

Note:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



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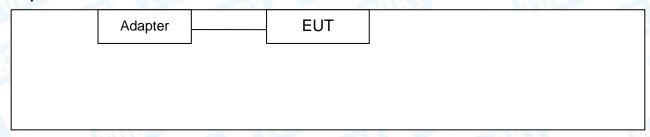
(2) Channel List:

IoT Channel List						
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
00	902.3	27	907.7	54	913.1	
01	902.5	28	907.9	55	913.3	
02	902.7	29	908.1	56	913.5	
03	902.9	30	908.3	57	913.7	
04	903.1	31	908.5	58	913.9	
05	903.3	32	908.7	59	914.1	
06	903.5	33	908.9	60	914.3	
07	903.7	34	909.1	61	914.5	
08	903.9	35	909.3	62	914.7	
09	904.1	36	909.5	63	914.9	
10	904.3	37	909.7	64	915.1	
11	904.5	38	909.9	65	915.3	
12	904.7	39	910.1	66	915.5	
13	904.9	40	910.3			
14	905.1	41	910.5	S(11.17.3)	· · · · · · · · · · · · · · · · · · ·	
15	905.3	42	910.7	123	926.7	
16	905.5	43	910.9	124	926.9	
17	905.7	44	911.1	125	927.1	
18	905.9	45	911.3	126	927.3	
19	906.1	46	911.5	127	927.5	
20	906.3	47	911.7			
21	906.5	48	911.9			
22	906.7	49	912.1			
23	906.9	50	912.3			
24	907.1	51	912.5			
25	907.3	52	912.7			
26	907.5	53	912.9			

(3) Antenna information provided by the applicant.

1.3 Block Diagram Showing the Configuration of System Tested

Adapter + TX Mode







1.4 Description of Support Units

The EUT has been test as independent unit.

1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Test					
Final Test Mode Description					
Mode 1	Adapter + TX Mode(Channel 00/63/127)				
	For Radiated Test				
Final Test Mode	Final Test Mode Description				
Mode 1 Adapter + TX Mode(Channel 00/63/127)					

Note:

For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

- (1)According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels.
- (2)During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; it was pre-tested on the positioned of each 3 axis, X-plane, Y-plane and Z-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

1.6 Description of Test Software Setting

During testing channel & Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF mode.

Test Software Version						
Frequency	902.3MHz	914.9MHz	927.5MHz			
CSS	DEF	DEF	DEF			



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1.7 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 %.

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Dedicted Emission	Level Accuracy:	. 4 CO dD
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy:	±4.40 dB
Radiated Effilssion	30MHz to 1000 MHz	±4.40 db
Radiated Emission	Level Accuracy:	±4.20 dB
Naulateu EIIIISSIUII	Above 1000MHz	±4.20 UD



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1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.

FCC Accredited Test Site Number: 854351.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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2. Test Summary

FCC Part 15 Subpart C(15.249)					
Standard Section	Test Item	Judgment	Remark		
15.203	Antenna Requirement	PASS	N/A		
15.205	Restricted Bands	PASS	N/A		
15.207	AC Power Conducted Emission	PASS	N/A		
15.249 &15.209	Radiated Spurious Emission	PASS	N/A		
15.215(C)	20dB Bandwidth	PASS	N/A		



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3. Test Equipment

Conducted Emiss	ion Test				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul.18, 2018	Jul. 17, 2019
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul.18, 2018	Jul. 17, 2019
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul.18, 2018	Jul. 17, 2019
LISN	Rohde & Schwarz	ENV216	101131	Jul.18, 2018	Jul. 17, 2019
Radiation Emission	n Test				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul.18, 2018	Jul. 17, 2019
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul.18, 2018	Jul. 17, 2019
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Jan. 27, 2019	Jan. 26, 2020
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Jan. 27, 2019	Jan. 26, 2020
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.03, 2019	Mar. 02, 2020
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.03, 2019	Mar. 02, 2020
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 14, 2018	Jul.13, 2019
Pre-amplifier	Sonoma	310N	185903	Mar.04, 2019	Mar. 03, 2020
Pre-amplifier	HP	8449B	3008A00849	Mar.03, 2019	Mar. 02, 2020
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.03, 2019	Mar. 02, 2020
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducte	ed Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 18, 2018	Jul. 17, 2019
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 18, 2018	Jul. 17, 2019
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 15, 2018	Sep. 14, 2019
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 15, 2018	Sep. 14, 2019
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 15, 2018	Sep. 14, 2019
33	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 15, 2018	Sep. 14, 2019
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 15, 2018	Sep. 14, 2019
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 15, 2018	Sep. 14, 2019
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 15, 2018	Sep. 14, 2019



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4. Duty Cycle

4.1 Test Standard and Limit

5.1.1 Test Standard FCC 15.231

4.2 Test Setup



4.3 Test Procedure

- (1) The EUT was directly connected to the spectrum Analyzer and antenna output port as show in the block diagram above.
- (2) Set EUT Normal operating mode.
- (3) Set the Spectrum Analyzer to the transmitter carrier frequency, and set the spectrum analyzer resolution bandwidth (RBW) to 100 kHz and video bandwidth (VBW) to 300 kHz, Span was set to 0 Hz.
- (4) The Duty Cycle was measured and recorded.

4.4 EUT Operating Condition

The EUT was programmed to be in transmitting mode.

4.5 Test Data

Please refer to the Attachment A.



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5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1Test Standard FCC Part 15.207

5.1.2 Test Limit

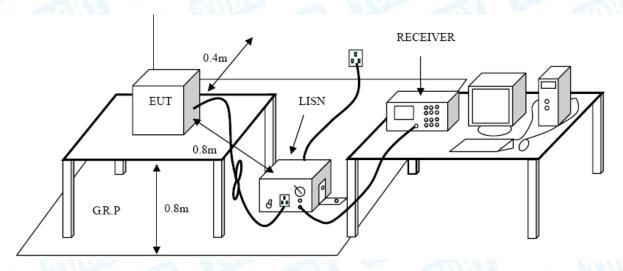
Conducted Emission Test Limit

-01333 Francis (01)335	Maximum RF Line Voltage (dBμV)		
Frequency	Quasi-peak Level	Average Level	
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



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I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN is at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

5.4 EUT Operating Mode

Please refer to the description of test mode.

5.5 Test Data

Please refer to the Attachment B.



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6. Radiated Emission Test

6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209

6.1.2 Test Limit

Radiated Emission Limit (9kHz~1000MHz)

Frequency (MHz	Field Strength (microvolt/meter)	Measurement Distance (meters)		
0.009~0.490	2400/F(KHz)	300		
0.490~1.705	24000/F(KHz)	30		
1.705~30.0	30	30		
30~88	100	3		
88~216	150	3		
216~960	200	3		
Above 960	500	3		

Radiated Emission Limit (Above 1000MHz)

Frequency	Distance Meters (at 3m)				
(MHz)	Peak	Average			
Above 1000	74	54			

Note:

(1) The tighter limit applies at the band edges.

(2) Emission Level(dBuV/m)=20log Emission Level(Uv/m)

Limits of Field strength of fundamental (15.249)

FCC Part 15 (15.249), Subpart C					
Limit	Frequency Range (MHz)				
	Field Strength of				
94.0(dBµV)/m@ 3 m	fundamental emissions for				
	902MHz-928MHz				

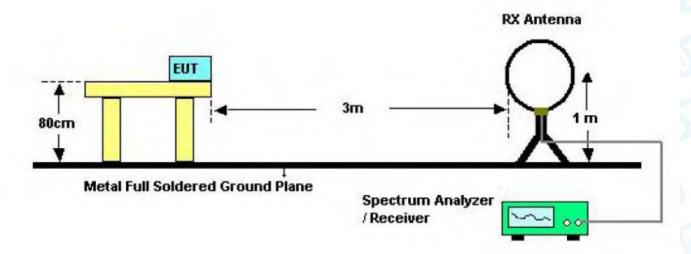
Restricted bands requirement for equipment operating in 902MHz-928MHz (15.249)



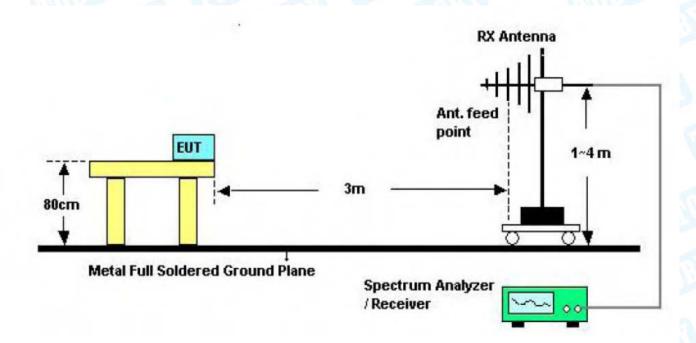
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(dBuV/m)(at 3 M)		
Attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in 15.209, whichever is the lesser attenuation		

6.2 Test Setup



Bellow 30MHz Test Setup

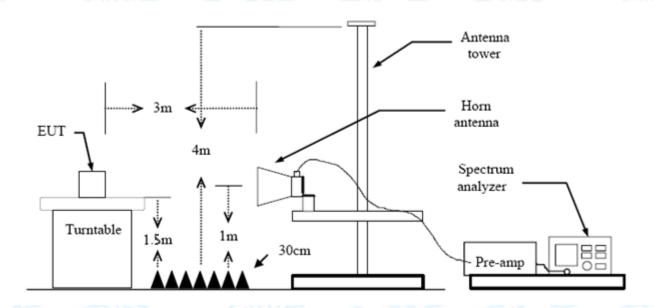


Bellow 1000MHz Test Setup





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Above 1GHz Test Setup

6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency Below 1GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.



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6.4 EUT Operating Condition

The EUT was set to Continual Transmitting in maximum power, and new batteries are used during testing.

6.5 Test Data

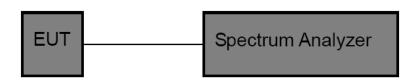
Please refer to the Attachment C.



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7. Bandwidth Test

7.1 Test Setup



7.2 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Spectrum Setting:

Bandwidth: RBW=10 kHz, VBW=30kHz.

(3) The bandwidth is measured at an amplitude level reduced 20dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.

7.3 EUT Operating Condition

The EUT was set to continuously transmitting for the Bandwidth Test.

7.4 Test Data

Please refer to the Attachment C.



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8. Antenna Requirement

8.1 Standard Requirement

7.1.1 Standard FCC Part 15.203

7.1.2 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 shall be considered sufficient to comply with the provisions of this Section. 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.

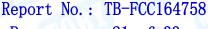
82 Antenna Connected Construction

The gains of the antenna used for transmitting is 3dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

7.3 Result

The EUT antenna is a Spring Antenna. It complies with the standard requirement.

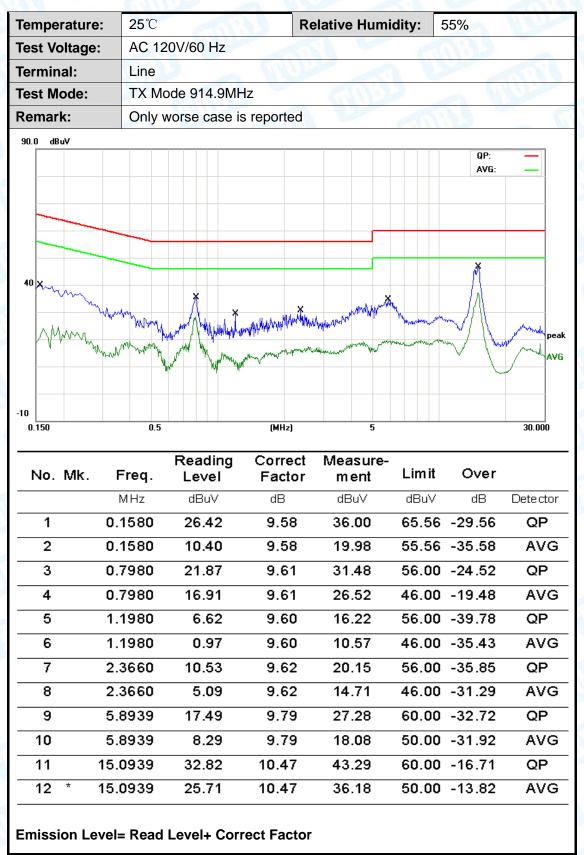
Antenna Type					
	▼ Permanent attached antenna				
A GROSS	□ Unique connector antenna				
min 1	□ Professional installation antenna				





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Attachment A-- Conducted Emission Test Data

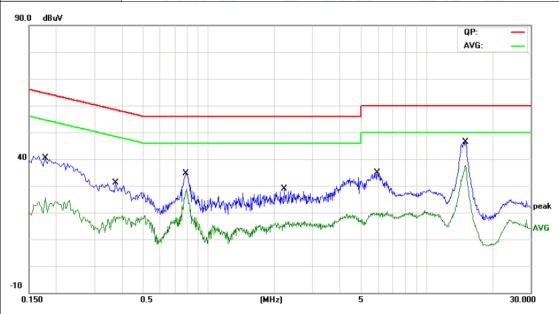






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Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	TULL	
Terminal:	Neutral		
Test Mode:	TX Mode 914.9MHz		
Remark:	Only worse case is reported		a William



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBu∀	dBuV	dB	Detector
1		0.1780	26.62	9.65	36.27	64.57	-28.30	QP
2		0.1780	11.18	9.65	20.83	54.57	-33.74	AVG
3		0.3740	15.27	9.58	24.85	58.41	-33.56	QP
4		0.3740	7.30	9.58	16.88	48.41	-31.53	AVG
5		0.7900	22.87	9.59	32.46	56.00	-23.54	QP
6		0.7900	18.09	9.59	27.68	46.00	-18.32	AVG
7		2.2139	10.62	9.62	20.24	56.00	-35.76	QP
8		2.2139	4.62	9.62	14.24	46.00	-31.76	AVG
9		5.9380	17.68	10.09	27.77	60.00	-32.23	QP
10		5.9380	8.59	10.09	18.68	50.00	-31.32	AVG
11		15.0740	32.67	10.61	43.28	60.00	-16.72	QP
12	*	15.0740	25.53	10.61	36.14	50.00	-13.86	AVG

Emission Level= Read Level+ Correct Factor





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Attachment B-- Radiated Emission Test Data

Radiated Spurious Emission (9 KHz~30 MHz)

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

below the permissible value has no need to be reported.

Radiated Spurious Emission (Below 1 GHz)

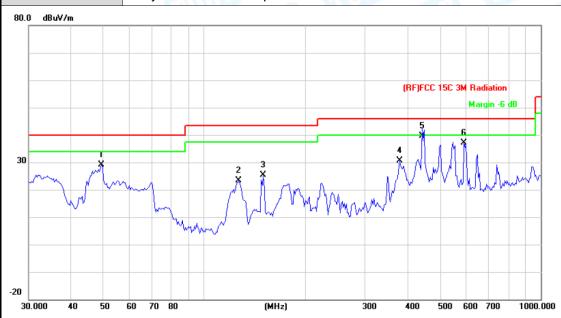
Temperatu	re:	25 °	°C			Relativ	e Humidit	y : 55	%		
Test Voltag	st Voltage: AC 120V/60HZ								10		
Ant. Pol.		Hori	zontal		Miles						
Test Mode:	:	TX 9	914.91	ЛHz	The state of	Maria		A CONTRACTOR OF THE PARTY OF TH			
Remark:		Only	wors	e case	e is reported	6.11	130		THE		
80.0 dBuV/m											
30	1				3 Å		5	3M Radiation Margin -6 o	dB S X		
20	W. W.	2		mumbord	\ _ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	hong Man May					
20 30.000 40	W. W.	60 70		mumhord	(MHz)	300	400 500		1000.000		
	50	mara	Rea	ading	(MHz) Correct Factor				1000.000		
30.000 40	50 :. Fr	60 70	Rea Le	ading	Correct	300 Measure-	400 500	600 700	1000.000		
30.000 40	. FI	60 70 Feq.	Rez Le	ading	Correct Factor	300 Measure- ment	400 500 Limit	600 700 Over			
30.000 40 No. Mk	. Fr	60 70 req.	Rea Le	ading evel	Correct Factor	300 Measurement dBuV/m	400 500 Limit dBuV/m	600 700 Over dB	Detect		
No. Mk	48.3 69.6	60 70 req. Hz	Rea Le dE 36	ading evel BuV	Correct Factor dB/m -22.68	Measure- ment dBuV/m 13.93	400 500 Limit dBuV/m 40.00	Over dB -26.07	Detect QP QP		
No. Mk	48.3 69.6 149.	60 70 req. Hz 3318	Rea Le 36 33	ading evel BuV 5.61	Correct Factor dB/m -22.68 -23.54	Measurement dBuV/m 13.93 9.48	Limit dBuV/m 40.00 40.00	Over dB -26.07 -30.52	Detect		
No. Mk	48.3 69.6 149.	60 70 Feq. Hz 3318 6005 4857	Rea Le 36 33 39 43	ading evel 3.61 3.02	Correct Factor dB/m -22.68 -23.54 -21.49	300 Measurement dBuV/m 13.93 9.48 17.66	Limit dBuV/m 40.00 40.00 43.50	Over dB -26.07 -30.52 -25.84	Detect QF QF QF		





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1	Temperature:	25 ℃	Relative Humidity:	55%
	Test Voltage:	AC 120V/60HZ	TULL	RIVE
	Ant. Pol.	Vertical		
	Test Mode:	TX 914.9MHz		
	Remark:	Only worse case is reported		TU.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		49.3594	52.15	-23.02	29.13	40.00	-10.87	QP
2		126.3286	45.70	-22.39	23.31	43.50	-20.19	QP
3		149.4857	46.99	-21.49	25.50	43.50	-18.00	QP
4		379.9141	43.92	-13.20	30.72	46.00	-15.28	QP
5	*	443.2943	51.59	-12.03	39.56	46.00	-6.44	QP
6		590.9737	45.82	-8.64	37.18	46.00	-8.82	QP

Emission Level= Read Level+ Correct Factor

Field strength of fundamental



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Field strength of fundamental

TOBY

Remark: All channels were tested and only the worst was shown in the report.

Temperature:			25 ℃			Relativ	e Humidit	y: 55	55%	
Test V	oltag	e:	AC 1	20V/60HZ	WATE .		I AB		1	
Ant. P	ol.		Horiz	zontal		CITI'S	3	134	The same	
Test M	lode:		TX 9	14.9MHz		A Second		3		
No.	Mk	. Fre	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MH	Ηz	dBu∀	dB/m	dBu∀/m	dBuV/m	dB	Detector	
1	*	914.9	480	80.94	6.50	87.44	94.00	-6.56	QP	
Emiss	ion L	.evel=	Read	Level+ Cori	ect Factor					

Temp	eratu	re:	25 °	C	1 60	F	Relative Hum	idity:	55%	
Test \	/oltag	ge:	AC 1	120V/60HZ		* 11.87	Jan San San San San San San San San San S			
Ant. F	Pol.		Verti	cal				13.0		
Test I	Mode	:	TX 9	14.9MHz	Rice	-		701	1135	
No	. Mk	. Fre	eq.	Reading Level	Correct Factor	Measur ment	e- Limit	Over		
		MH	łz	dBuV	dB/m	dBuV/m	n dBuV/m	dB	Detector	
1	*	915.0	000	80.86	6.50	87.36	94.00	-6.64	. QP	
Emis	Emission Level= Read Level+ Correct Factor									



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Radiated Spurious Emission (Above 1 GHz)

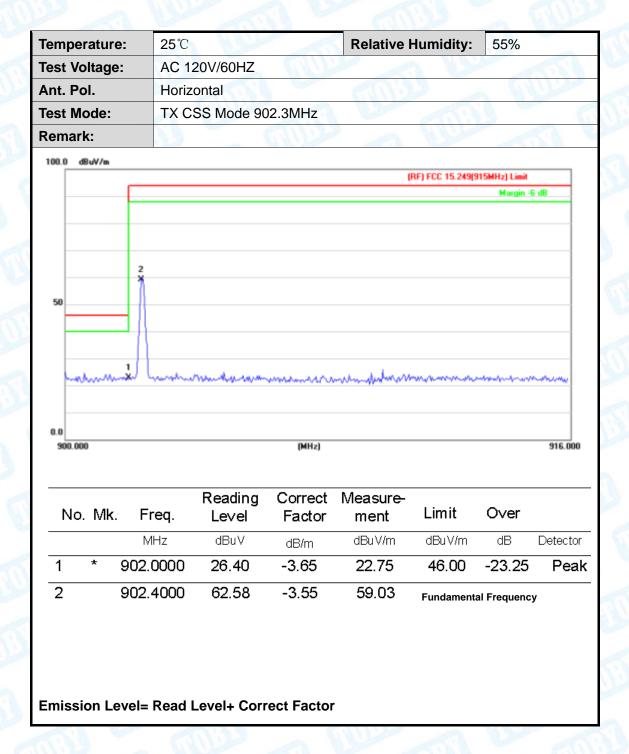
channel: 90	2.3 MI	Hz	112112							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak	on Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Peak Margin (dB)	AV Margir (dB)
1804.60	Н	58.64	36.78	-1.01	57.6	35.74	74	54	-16.4	-18.26
2706.90	Н	59.37	35.05	4.05	63.42	39.1	74	54	-10.58	-14.9
3609.20	Η	55.14	33.19	9.00	64.14	42.19	74	54	-9.86	-11.81
	H	1		11977						
1804.60	V	58.14	37.04	-1.01	57.1	36	74	54	-16.9	-18
2706.90	V	58.30	35.78	4.05	62.35	39.83	74	54	-11.65	-14.17
3609.20	V	55.34	32.77	9.00	64.34	41.77	74	54	-9.66	-12.23
(1/1/27)	V		10.7776) -				(1) L	(417-0) j
channel: 91	4.9 M	Hz							1	
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak	on Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Peak Margin (dB)	AV Margir (dB)
1829.80	Н	60.14	37.47	-1.21	58.93	36.26	74	54	-15.07	-17.74
2744.70	Н	61.26	37.98	4.17	65.43	42.15	74	54	-8.57	-11.85
3659.60	Н	56.84	34.01	9.33	66.17	43.34	74	54	-7.83	-10.66
	H	(b)		U) Jer					71-	912
1829.80	V	60.63	37.45	-1.21	59.42	36.24	74	54	-14.58	-17.76
2744.70	V	59.87	36.21	4.17	64.04	40.38	74	54	-9.96	-13.62
3659.60	V	58.05	34.15	9.33	67.38	43.48	74	54	-6.62	-10.52
7/1/1/	V				33		111773		AITT	
channel: 92°	7.5 M	Hz								
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak	on Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Peak Margin (dB)	AV Margir (dB)
1855.00	Н	59.67	36.44	-1.57	58.1	34.87	74	54	-15.9	-19.13
2782.50	Н	60.53	36.74	4.69	65.22	41.43	74	54	-8.78	-12.57
3710.00	Н	57.82	34.35	9.81	67.63	44.16	74	54	-6.37	-9.84
V	Н		(A)		103 <u>-</u> 0		641	d	-77///	No.
1855.00	V	60.11	35.88	-1.57	58.54	34.31	74	54	-15.46	-19.69
2782.50	V	59.81	35.69	4.69	64.5	40.38	74	54	-9.5	-13.62
3710.00	V	58.73	34.73	9.81	68.54	44.54	74	54	-5.46	-9.46
31 6	V		3	(-5/11)	03-52	\	W.Lee		\	





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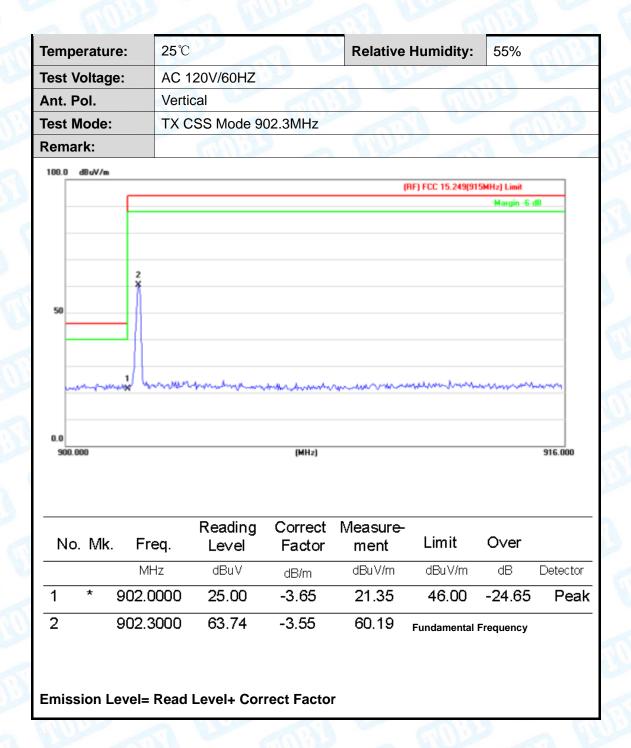
Restricted Bands and Band-edge







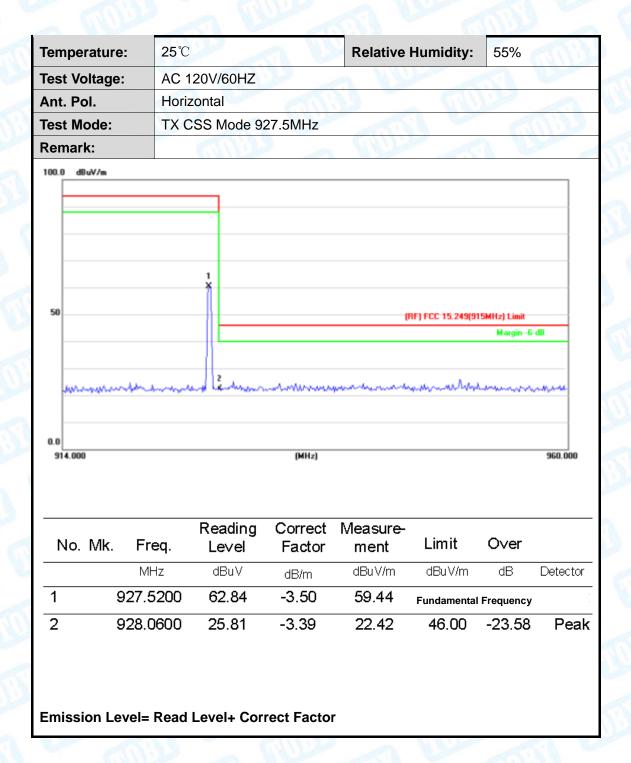
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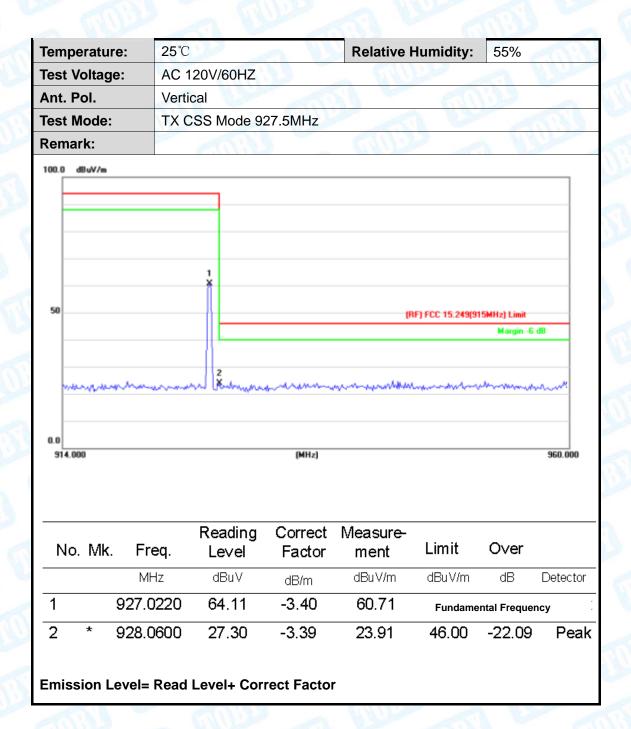
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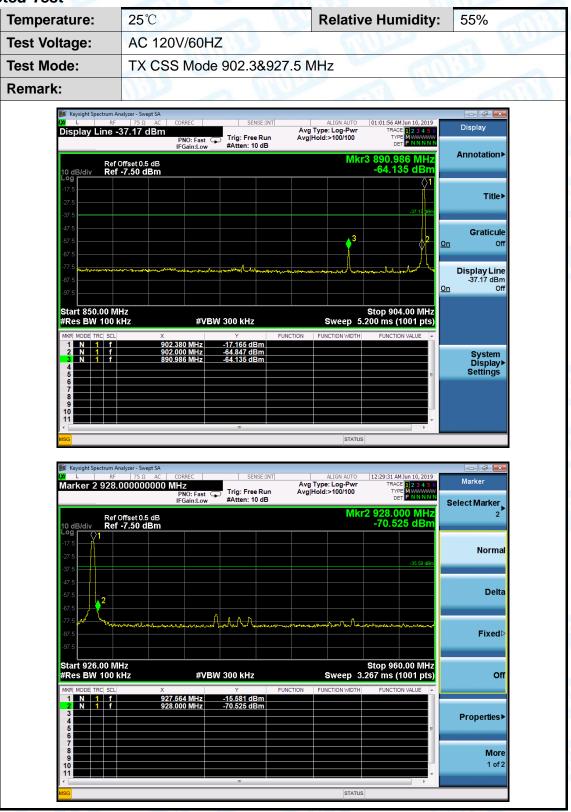






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Conducted Test







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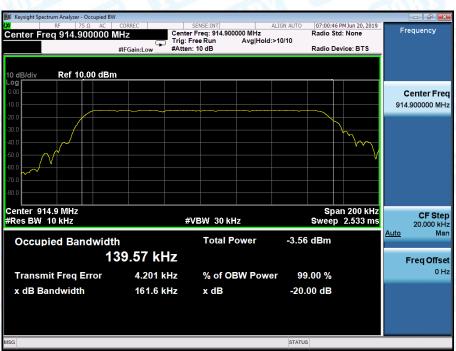
Attachment C--Bandwidth Test Data

Channel Frequency (MHz)	20dB Bandwidth (KHz)
902.3	160.5
914.9	161.6
927.5	160.4

902.3 MHz



914.9 MHz





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----END OF REPORT----