FCC RF Test Report

APPLICANT : PAX Technology Limited

EQUIPMENT: PIN PAD

BRAND NAME : PAX
MODEL NAME : S300
MARKETING NAME : S300

FCC ID : V5PS300

STANDARD : FCC Part 15 Subpart C §15.225

CLASSIFICATION : (DXX) Low Power Communication Device Transmitter

The product was received on Jan. 15, 2016 and testing was completed on Feb. 01, 2016. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (SHENZHEN) INC., the test report shall not be reproduced except in full.

Prepared by: Andy Yeh / Manager

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (SHENZHEN) INC.

1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China

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Testing Laboratory

Report No. : FR611521

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR611521	Rev. 01	Initial issue of report	Mar. 17, 2016

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SUMMARY OF THE TEST RESULT

	Applied Standard: 47 CFR FCC Part 15 Subpart C				
Part FCC Rule Description of		Description of Test	Result	Under Limit	
3.1	15.207	AC Power Line Conducted	Complies	14.91 dB at	
3.1	15.207	Emissions	Complies	0.410MHz	
3.2	15 225(a)(b)(a)	Field Strength of	Complies	55.660 dB at	
3.2	15.225(a)(b)(c)	Fundamental Emissions	Complies	13.560 MHz	
3.3	2.1049	20dB Spectrum Bandwidth	Complies	-	
3.3		99% OBW Spectrum	Complies		
3.3	-	Bandwidth	Complies	-	
	15.225(d)			1.06 dB at	
3.4	15.225(d) 15.209	Radiated Emissions	Complies	30.000 MHz for	
	15.209			Quasi-Peak	
3.5	15.225(e)	Frequency Stability	Complies	-	
3.6	15.203	Antenna Requirements	Complies	-	

Test Items	Uncertainty	Remark
AC Power Line Conducted Emissions	±2.3 dB	Confidence levels of 95%
Radiated Emissions (30MHz~1000MHz)	±4.8 dB	Confidence levels of 95%

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1. GENERAL INFORMATION

1.1 **Applicant**

PAX Technology Limited

Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour Road, Wanchai, Hong Kong

1.2 Manufacturer

PAX Computer Technology (Shenzhen) Co., Ltd.

4/F, No.3 Building, Software Park, Second Central Science-Tech Road, High-Tech industrial Park, Shenzhen, Guangdong, P.R.C.

1.3 Product Details

Items	Description
Tx/Rx Frequency Range	13.553 ~ 13.567MHz
Channel Number	1
20dBW	2.48 KHz
99%OBW	2.10 KHz
Antenna Type	PCB Antenna
Type of Modulation	ASK

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Testing Location

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.		
	1F & 2F, Building A, Morning Business	Center, No. 4003 ShiGu Rd., Xili Town,	
Total Office Location	Nanshan District, Shenzhen, Guangdo	ong, P. R. China	
Test Site Location	TEL: +86-755-8637-9589		
	FAX: +86-755-8637-9595		
Test Site No.	Sporton	Site No.	
lest Site No.	TH01-SZ	CO01-SZ	
Test Engineer Tiny You Jacky		Jacky Yang	
Temperature	24~26℃ 21~23℃		
Relative Humidity	50~53% 41~43%		

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.		
	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan		
Test Site Location	warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China		
	TEL: +86-755- 3320-2398		
Test Site No.	Sporton Site No. FCC Registratio		
rest Site No.	03CH01-SZ		
Test Engineer	Leo Liao	004040	
Temperature	24~25℃	831040	
Relative Humidity 48~49%			

Note: The test site complies with ANSI C63.4 2009 requirement.

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1.6 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.225
- ANSI C63.10-2013

1.7 **Test Modes**

Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items		
AC Power Line Conducted Emissions	Field Strength of Fundamental Emissions	
20dB Spectrum Bandwidth	Frequency Stability	
Radiated Emissions 9kHz~30MHz	Radiated Emissions 30MHz~1GHz	

Note:

- 1. The EUT was programmed to be in continuously transmitting mode.
- 2. The ancillary equipment, NFC card, is used to make the EUT (NFC) continuously transmit at 13.56MHz and is placed around 3 cm gap to the EUT.

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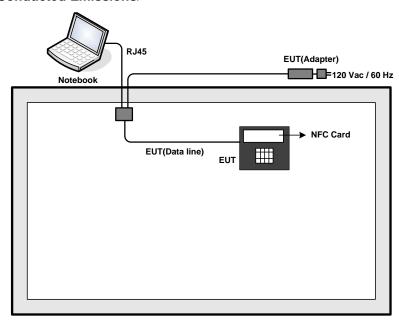
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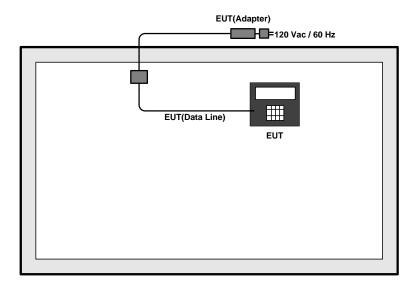


1.8 Test Configurations

<AC Conducted Emissions>



< For Fundamental Emissions and Mask and Radiated Emissions Measurement >



1.9 Table for Supporting Units

Support Unit	Manufacturer	Model	FCC ID
NFC Card	N/A	N/A	N/A
Notebook	Lenovo	E540	FCC DoC
RJ45	N/A	N/A	N/A

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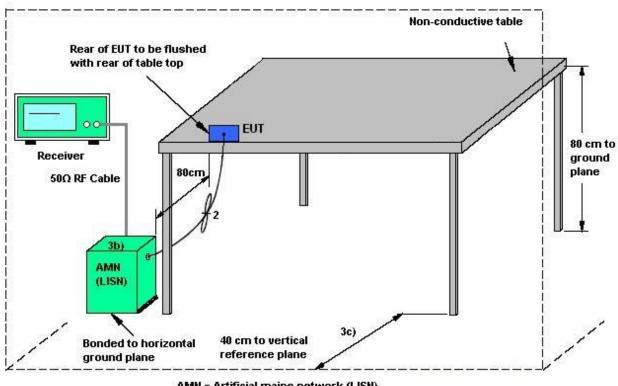
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2. CONDUCTED EMISSION TEST

Measuring Instruments

See list of measuring instruments of this test report.

2.2 Test setup



AMN = Artificial mains network (LISN)

AE = Associated equipment

EUT = Equipment under test

ISN = Impedance stabilization network

Test Result of Conducted Emission Test

Please refer to Appendix A.

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2.4 AC Power Line Conducted Emissions Measurement

2.4.1 Limit

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission	Conducted Limit (dBμV)		
(MHz)	Quasi-Peak	Average	
0.15-0.5	66 to 56*	56 to 46*	
0.5-5	56	46	
5-30	60	50	

^{*}Decreases with the logarithm of the frequency.

2.4.2 Test Procedures

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

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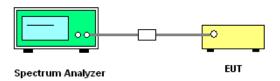
3. CONDUCTED TEST ITEMS

3.1 Measuring Instruments

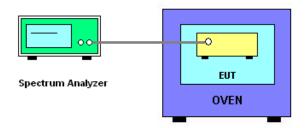
See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 20dB and 99% OBW Spectrum Bandwidth



3.2.2 Frequency Stability



3.3 Test Result of Conducted Test Items

Please refer to Appendix B.

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3.4 20dB and 99% OBW Spectrum Bandwidth Measurement

3.4.1 Limit

Intentional radiators must be designed to ensure that the 20dB and 99% emission bandwidth in

the specific band 13.553~13.567MHz

3.4.2 Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak Max

hold mode.

2. The resolution bandwidth of 1 kHz and the video bandwidth of 3 kHz were used.

3. Measured the spectrum width with power higher than 20dB below carrier.

4. Measured the 99% OBW.

3.5 Frequency Stability Measurement

3.5.1 Limit

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% (100ppm) of the

operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal

supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated

supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment

tests shall be performed using a new battery.

3.5.2 Test Procedures

1. The spectrum analyzer connected via a receive antenna placed near the EUT.

2. EUT have transmitted signal and fixed channelize.

3. Set the spectrum analyzer span to view the entire emissions bandwidth.

4. Set RBW = 1 kHz, VBW = 3 kHz with peak detector and maxhold settings.

5. The fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc \times 10 6

ppm and the limit is less than ±100ppm.

6. Extreme temperature rule is -20°C~50°C.

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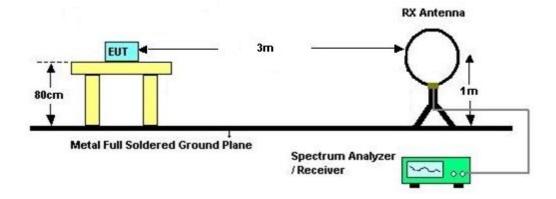
4. RADIATED TEST ITEMS

4.1 Measuring Instruments

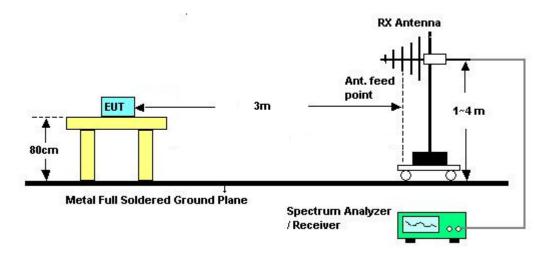
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated emissions below 30MHz



4.2.2 For radiated emissions above 30MHz



4.3 Test Result of Radiated Test Items

Please refer to Appendix C.

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4.4 Field Strength of Fundamental Emissions and Mask Measurement

4.4.1 Limit

Rules and specifications	ns FCC CFR 47 Part 15 section 15.225			
Description	Compliance with the spectrum mask is tested with RBW set to 9kHz.			
From of Emission (MUT)	Field Strength	Field Strength	Field Strength	Field Strength
Freq. of Emission (MHz)	(µV/m) at 30m	(dBµV/m) at 30m	(dBµV/m) at 10m	(dBµV/m) at 3m
1.705~13.110	30	29.5	48.58	69.5
13.110~13.410	106	40.5	59.58	80.5
13.410~13.553	334	50.5	69.58	90.5
13.553~13.567	15848	84.0	103.08	124.0
13.567~13.710	334	50.5	69.58	90.5
13.710~14.010	106	40.5	59.58	80.5
14.010~30.000	30	29.5	48.58	69.5

4.4.2 Test Procedures

- 1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the loop receiving antenna mounted antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the receiving antenna was fixed at one meter above ground to find the maximum emissions field strength.
- 4. For Fundamental emissions, use the receiver to measure QP reading.
- 5. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 6. Compliance with the spectrum mask is tested with RBW set to 9kHz.

Note: Emission level ($dB\mu V/m$) = 20 log Emission level ($\mu V/m$).

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4.5 Radiated Emissions Measurement

4.5.1 Limit

The field strength of any emissions which appear outside of 13.553~13.567MHz band shall not exceed the general radiated emissions limits.

Frequencies	Field Strength	Measurement Distance
(MHz)	(μV/m)	(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

4.5.2 Measuring Instrument Setting

The following table is the setting of receiver.

Receiver Parameter	Setting
Attenuation	Auto
Frequency Range: 9kHz~150kHz	RBW 200Hz for QP
Frequency Range: 150kHz~30MHz	RBW 9kHz for QP
Frequency Range: 30MHz~1000MHz	RBW 120kHz for Peak

Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

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4.5.3 Test Procedures

- Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 7. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. Antenna Requirements

4.5.4 Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. 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 the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

4.5.5 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

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5. LIST OF MEASURING EQUIPMENT

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP30	101400	9kHz~30GHz	Jan. 12, 2016	Feb. 01, 2016	Jan. 11, 2017	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangrou p	LP-150U	H2014081 803	-40~+150°C	Aug. 07, 2015	Feb. 01, 2016	Aug. 06, 2016	Conducted (TH01-SZ)
AC Power Source	Chroma	61602	616020000 891	100Vac~250Vac	Aug. 07, 2015	Feb. 01, 2016	Aug. 06, 2016	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent Technologies	N9038A	MY522601 85	20Hz~26.5GHz	May 26, 2015	Jan. 23, 2016	May 25, 2016	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	May 06, 2015	Jan. 23, 2016	May 05, 2016	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	23188	30MHz-2GHz	Oct. 17, 2015	Jan. 23, 2016	Oct. 16, 2016	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz ~3000MHz / 30 dB	Jan. 28, 2015	Jan. 23, 2016	Jan. 27, 2016	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001 985	N/A	NCR	Jan. 23, 2016	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jan. 23, 2016	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jan. 23, 2016	NCR	Radiation (03CH01-SZ)
EMI Receiver	R&S	ESCI7	100724	9kHz~3GHz;	Nov. 23, 2015	Jan. 20, 2016~ Jan. 21, 2016	Nov. 22, 2016	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103892	9kHz~30MHz	Jan. 12, 2016	Jan. 20, 2016~ Jan. 21, 2016	Jan. 11, 2017	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	MessTec	3816/2SH	00103912	9kHz~30MHz	Jan. 12, 2016	Jan. 20, 2016~ Jan. 21, 2016	Jan. 11, 2017	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000 891	100Vac~250Vac	Aug. 07, 2015	Jan. 20, 2016~ Jan. 21, 2016	Aug. 06, 2016	Conduction (CO01-SZ)
Pulse Limiter	COM-POWER	LIT-153 Transient Limiter	53139	150kHz~30MHz	Oct. 20, 2015	Jan. 20, 2016~ Jan. 21, 2016	Oct. 19, 2016	Conduction (CO01-SZ)

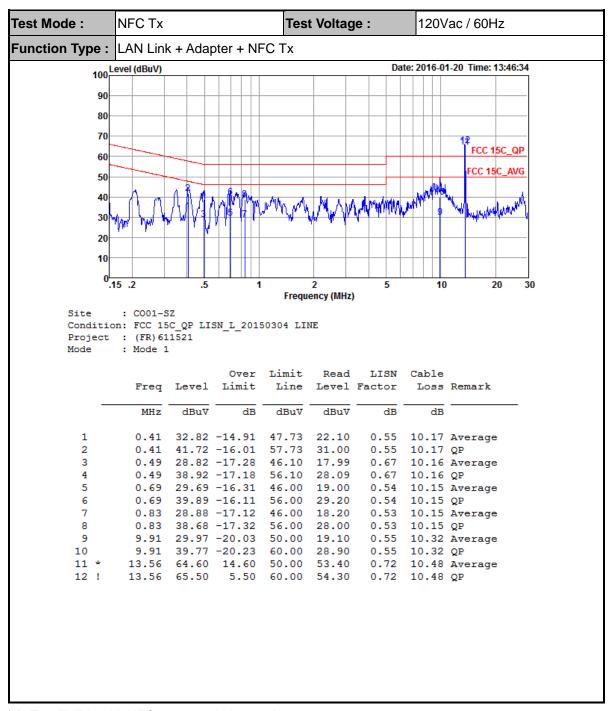
NCR: No Calibration Required

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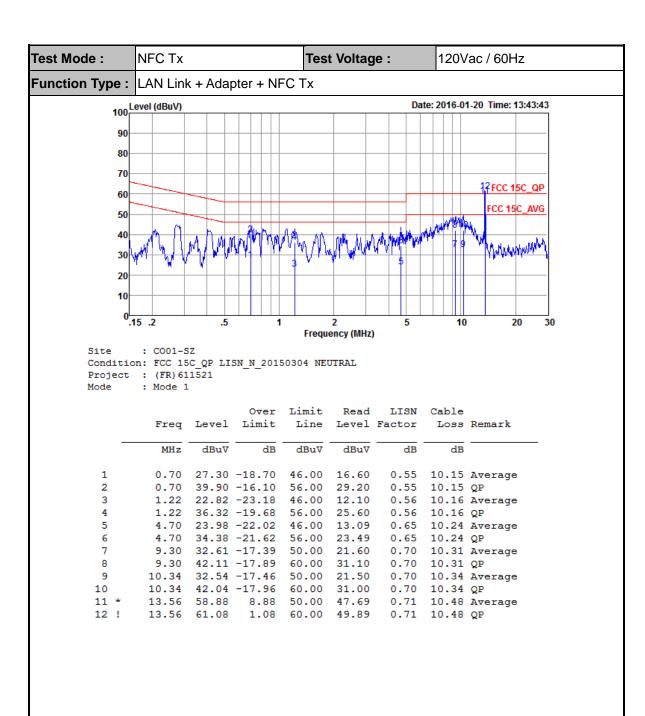
Appendix A. Test Results of Conducted Emission Test



(1) The EUT is with NFC antenna during testing.

Remark: 13.56MHz is the NFC RF fundamental signal.

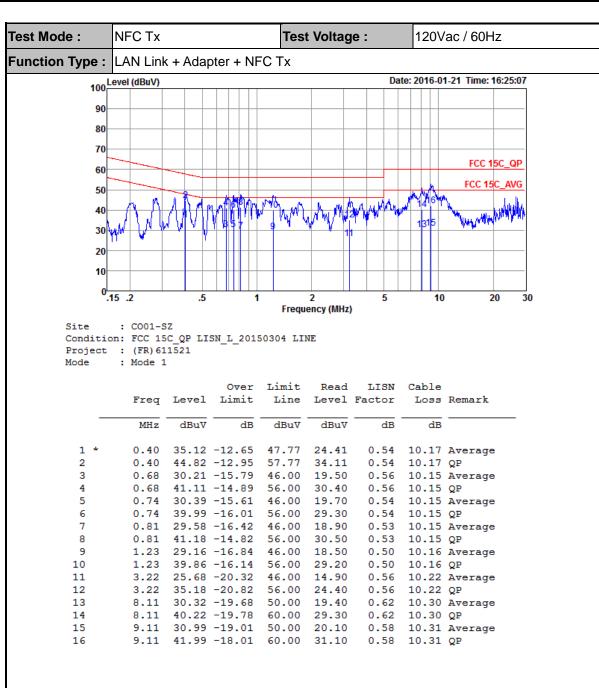
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(1) The EUT is with NFC antenna during testing.

Remark: 13.56MHz is the NFC RF fundamental signal.

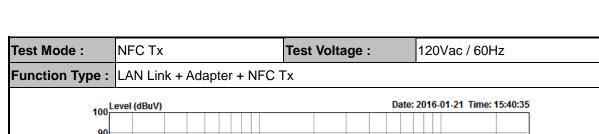
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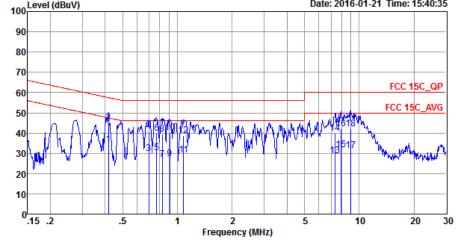
(2) The NFC antenna is replaced by a dummy load during test.

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Site : CO01-SZ Condition: FCC 15C_QP LISN_N_20150304 NEUTRAL

Project : (FR) 611521 Mode : Mode 1

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBu∀	dB	dBu₹	dBuV	dB	dB	
1 2 *	0.42		-13.28 -12.58	47.51 57.51	23.50 34.20		10.17	••
3 4 5	0.70	41.10	-16.10 -14.90	46.00 56.00	19.20	0.55	10.15	
5 6 7	0.77 0.77 0.83	39.90	-15.60 -16.10 -19.20	46.00 56.00 46.00	19.70 29.20 16.10	0.55	10.15	Average QP Average
8	0.83 0.91	39.50	-16.50 -18.59	56.00	28.80 16.70	0.55	10.15	_
10 11	0.91 1.08	29.22	-15.89 -16.78	56.00 46.00	29.40 18.51	0.56	10.15	Average
12 13 14	1.08 7.37 7.37	28.78	-17.08 -21.22 -20.22	56.00 50.00 60.00	28.21 17.81 28.81	0.69	10.28	Average
15 16	7.94 7.94	31.59	-18.41 -17.81	50.00	20.61	0.69	10.29 10.29	Average QP
17 18	8.96 8.96		-18.50 -17.80	50.00 60.00	20.49 31.19	0.70 0.70	10.31 10.31	Average QP

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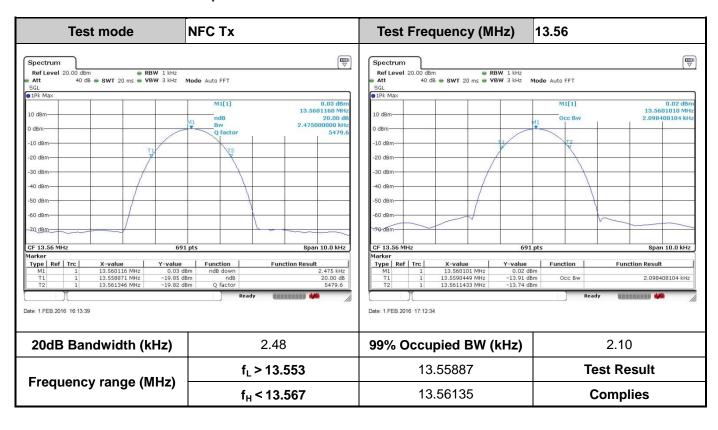
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(2) The NFC antenna is replaced by a dummy load during test.

Appendix B. Test Results of Conducted Test Items

B.1 Test Result of 20dB Spectrum Bandwidth



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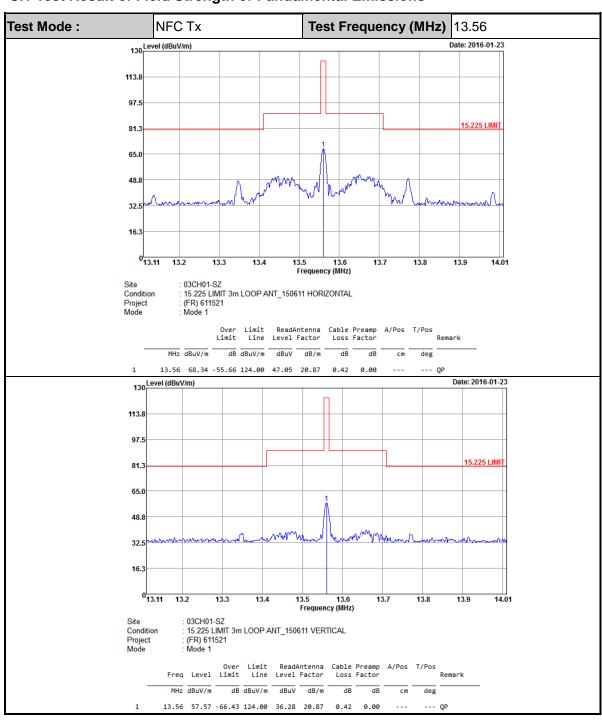
B.2 Test Result of Frequency Stability

Voltage vs. Fre	equency Stability	Temperature vs.	Frequency Stability		
Voltage (Vac)	Measurement	Temperature (℃)	Measurement		
voltago (vao)	Frequency (MHz)	romporataro (o)	Frequency (MHz)		
120	13.560109	-20	13.560181		
102	13.560109	-10	13.560189		
138	13.560109	0	13.560181		
-	-	10	13.560174		
-	-	20	13.560109		
-	-	30	13.560167		
-	-	40	13.560138		
-	-	50	13.560102		
Max.Deviation (MHz)	0.000109	Max.Deviation (MHz)	0.000189		
Max.Deviation (ppm)	8.0383	Max.Deviation (ppm)	13.9381		
Limit	FS < ±100 ppm	Limit	FS < ±100 ppm		
Test Result	PASS	Test Result	PASS		

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Appendix C. Test Results of Radiated Test Items

C.1 Test Result of Field Strength of Fundamental Emissions



Note: All NFC's spurious emissions are below 20dB of limits.

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C.2 Results of Radiated Emissions (9 kHz~30MHz)

Test Mode :	NFC	Tx		Polariz	ation :	Hor	izontal		
Frequency (MHz)	Level	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
0.02012	55.85	-65.68	121.53	27.4	28.3	0.15	-	-	Average
0.06069	60.77	-51.17	111.94	37.72	22.9	0.15	-	-	Average
0.09126	46.57	-61.83	108.4	23.52	22.9	0.15	-	-	QP
0.14001	52.03	-52.65	104.68	29.11	22.77	0.15	-	-	Average
1.534	40.11	-23.78	63.89	18.17	21.74	0.2	-	-	QP
6.086	38.28	-31.72	70	16.46	21.53	0.29	-	-	QP
9.648	37.46	-32.54	70	15.79	21.32	0.35	-	-	QP
22.489	37.81	-32.19	70	15.32	21.95	0.54	-	-	QP
28.88	38.99	-31.01	70	15.6	22.77	0.62	-	-	QP

Test Mode :	NFC NFC	Тх		Polariz	ation :	Vert	ical		
Frequency (MHz)	Level	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
0.02012	55.76	-65.77	121.53	27.31	28.3	0.15	-	-	Average
0.06057	57.31	-54.65	111.96	34.26	22.9	0.15	-	-	Average
0.0936	44.97	-63.21	108.18	21.92	22.9	0.15	-	-	QP
0.13779	44.67	-60.15	104.82	21.75	22.77	0.15	-	-	Average
1.628	39.46	-23.91	63.37	17.55	21.71	0.2	-	-	QP
2.21	38.64	-31.36	70	16.85	21.58	0.21	-	-	QP
10.344	37.67	-32.33	70	16.04	21.26	0.37	-	-	QP
24.496	37.69	-32.31	70	14.9	22.23	0.56	-	-	QP
27.775	39.04	-30.96	70	15.81	22.63	0.6	-	-	QP

Note:

- 1. 13.56 MHz is fundamental signal which can be ignored.
- 2. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
- 4. Limit line = specific limits $(dB\mu V)$ + distance extrapolation factor.

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C.3 Results of Radiated Emissions (30MHz~1GHz)

Test Mode	e: NF	СТх		Pol	larization	Horizontal				
Frequency (MHz)	Level	Over Limit	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	38.94	-1.06	40	38.65	25.6	0.76	26.07	125	80	QP
101.78	34.59	-8.91	43.5	46.88	11.98	1.5	25.77	-	-	Peak
177.44	33.95	-9.55	43.5	45.73	11.6	1.99	25.37	-	-	Peak
250.19	27.03	-18.97	46	37.37	12.4	2.4	25.14	-	-	Peak
500.45	32.06	-13.94	46	35.35	19.4	3.65	26.34	-	-	Peak
874.87	35.06	-10.94	46	33.87	21.83	5.31	25.95	-	-	Peak

Test Mode	e: NFC	СТх		Pol	Vertical					
Frequency (MHz)	Level	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Pos	Table Pos (deg)	Remark
30	30.63	-9.37	40	35.34	20.6	0.76	26.07	100	0	Peak

J			Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
	(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
	30	30.63	-9.37	40	35.34	20.6	0.76	26.07	100	0	Peak
	104.69	25.7	-17.8	43.5	37.57	12.39	1.49	25.75	-	-	Peak
	177.44	27.42	-16.08	43.5	39.2	11.6	1.99	25.37	-	-	Peak
	500.45	28.67	-17.33	46	31.96	19.4	3.65	26.34	-	-	Peak
	874.87	33.46	-12.54	46	32.27	21.83	5.31	25.95	-	-	Peak
	901.06	33.91	-12.09	46	32.78	21.6	5.39	25.86	-	-	Peak

Note:

- 1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 2. Emission level (dB μ V/m) = 20 log Emission level (μ V/m).
- 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor= Level.

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