

Report No.: LCSA09264063EA





FOR

Nexelec

WAVE-ECHO-VIEW

Test Model: X530-570-575LR

Prepared for	:	Nexelec	
Address	:	16C - Park Avenue, Rue Leon Griffon, S	56890 Saint-Ave, France
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Date of receipt of test sample Number of tested samples Sample No. Serial number Date of Test Date of Report	: : : : : :	October 08, 2024 2 A241008119-1, A241008119-2 Prototype October 08, 2024 ~ January 10, 2025 January 10, 2025	



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	FCC TEST REPORT CC CFR 47 PART 15 C (15.225)	
Report Reference No :	LCSA09264063EA	Les Les Test
Date of Issue :	January 10, 2025	
Testing Laboratory Name :	Shenzhen LCS Compliance Testing	Laboratory Ltd.
Address:	101, 201 Bldg A & 301 Bldg C, Juji Ind Shajing Street, Baoan District, Shenzh	
Testing Location/ Procedure :	Full application of Harmonised standar	ds ∎
	Partial application of Harmonised stand	lards □
tri和 检测 Bac ab	Other standard testing method	tring tab
Applicant's Name :	: Nexelec	
Address:	16C - Park Avenue, Rue Leon Griffon,	56890 Saint-Ave, France
Test Specification		
Standard :	FCC CFR 47 PART 15 C(15.225)	
Test Report Form No :	: TRF-4-E-154 A/0	
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Master TRF:	Dated 2011-03	
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Shenzhen LCS Compliance Testing L material. Shenzhen LCS Compliance assume liability for damages resulting placement and context. Test Item Description : Trade Mark Test Model	Laboratory Ltd. is acknowledged as copy a Testing Laboratory Ltd. takes no respon- g from the reader's interpretation of the r WAVE-ECHO-VIEW N/A X530-570-575LR Input: 7.2V Supplied by 2*LS14500 bat	right owner and source of the nsibility for and will not eproduced material due to its
Shenzhen LCS Compliance Testing L material. Shenzhen LCS Compliance assume liability for damages resulting placement and context. Test Item Description : Trade Mark	Laboratory Ltd. is acknowledged as copy e Testing Laboratory Ltd. takes no respon g from the reader's interpretation of the r : WAVE-ECHO-VIEW : N/A : X530-570-575LR : Input: 7.2V Supplied by 2*LS14500 bat : Positive	right owner and source of the nsibility for and will not eproduced material due to its
Shenzhen LCS Compliance Testing L material. Shenzhen LCS Compliance assume liability for damages resulting placement and context. Test Item Description : Trade Mark	Laboratory Ltd. is acknowledged as copy a Testing Laboratory Ltd. takes no respon- g from the reader's interpretation of the r WAVE-ECHO-VIEW N/A X530-570-575LR Input: 7.2V Supplied by 2*LS14500 bat Positive	right owner and source of the nsibility for and will not eproduced material due to its





	FCC TEST REF	PORT
Test Report No. :	LCSA09264063EA	January 10, 2025 Date of issue
Test Model	: X530-570-575LR	
EUT	: WAVE-ECHO-VIEW	
~ 测股份	~ 测展化	
Applicant Address Telephone Fax	:16C - Park Avenue, Ru :/	ue Leon Griffon, 56890 Saint-Ave, France
Manufacturer Address Telephone Fax	: 16C - Park Avenue, Ru	ue Leon Griffon, 56890 Saint-Ave, France
Factory Address Telephone Fax	:16C - Park Avenue, Ru :/	ue Leon Griffon, 56890 Saint-Ave, France

-	Test	Resu	ılt	

Positive

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.





	Revision	h History	
Report Version	Issue Date	Revision Content	Revised By
000	January 10, 2025	Initial Issue	







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Report No.: LCSA09264063EA



1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT	: WAVE-ECHO-VIEW	
Test Model	: X530-570-575LR	
Power Supply	: Input: 7.2V Supplied by 2*LS14500 batteries	
Hardware Version	: C042	
Software Version	: S107	
NFC		
Operating Frequency	: 13.56MHz	LCS IV
Modulation Type	: ASK	
Antenna Description	: PCB Antenna, 0dBi(Max.)	
Lora	:	
Frequency Range	: 902.5MHz, 915.5MHz, 927.5MHz	
Channel Number	: 3	
Modulation Type	: Chirp Spread Spectrum	
Antenna Description	: PCB Antenna, 1.32dBi(Max.)	
Sigfox		
Frequency Range	: 902.5MHz, 915.5MHz, 927.5MHz	
Channel Number	: 3	
Modulation Type	: GFSK	
Antenna Description	: PCB Antenna, 1.32dBi(Max.)	









1.2 Host System Configuration List and Details

	1.2 Host System Cont	figuration List and D	etails			
SA	Manufacturer	Description	Model	Serial Number	Certificate	<u>n9</u>
-]

1.3 External I/O

I/O Port Description	Quantity	Cable

1.4 Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5 Statement of The Measurement Uncertainty



The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16-4 "Specification for radio disturbance and immunity measuring apparatus and methods - Part 4: Uncertainty in EMC Measurements" and is documented in the LCS guality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.



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1.6 Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
		9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
Radiation Uncertainty	:	200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)
Output power	:	1GHz-40GHz	±0.57dB	(1)
Power Spectral Density	:	1GHz-40GHz	±1.2dB	(1)
Occupied Channel Bandwidth	:	1GHz-40GHz	±5%	(1)
Conducted RF Spurious Emission	:	9kHz-40GHz	±1.80dB	(1)
Emissions in Restricted Bands	:	1GHz-40GHz	±2.47dB	(1)
Frequency Stability	:	1GHz-40GHz	±25Hz	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7 Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in Y position.

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was the mode and channel with the highest output power.







2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.225 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above gr ound plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013.



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3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by applicant.

3.3. Special Accessories

3.3.	3.3. Special Accessories						
No.	Equipment	Manufacturer	Model No.	Serial No.	Length	shielded/ unshielded	Notes
/	/	/	/	/	/	/	/

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT. LCS Testing La

3.6. Test Setup

Please refer to the test setup photo.





4. SUMMARY OF TEST RESULTS

Applied Standard:	FCC Part 15 Subpart C	
Test Items	FCC Rules	Result
Line Conducted Emissions	§15.207(a)	N/A
Strength of Fundamental Emissions	§15.225(a)(b)(c)	PASS
Radiated Emissions	§15.225(d) & §15.209	PASS
20dB Bandwidth	§ 15.215	PASS
Frequency Stability	§15.225(e)	PASS
Antenna Requirement	§15.203	PASS













5. RADIATED MEASUREMENT

5.1. Radiated Emission

5.1.1. Standard Applicable

According to §15.209/ §15.205

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			
Latil Estanon 4, 4000 this		0 400 0 540 MUL	Tille
Jntil February 1, 1999, this	s restricted band shall be	0.490-0.510 MHZ.	
Above 38.6			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/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	NS 3 STE
216~960	200	3
Above 960	500	3

5.1.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10 th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average



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Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

5.1.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

- --- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- --- If the EUT is a floor standing device, it is placed on the ground.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

Premeasurement:

- --- The turntable rotates from 0° to 315° using 45° steps.
- --- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.



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2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

- --- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

Premeasurement:

- --- The turntable rotates from 0° to 315° using 45° steps.
- --- The antenna is polarized vertical and horizontal.
- --- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (\pm 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.



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3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

- --- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- --- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

Premeasurement:

- --- The turntable rotates from 0° to 315° using 45° steps.
- --- The antenna is polarized vertical and horizontal.
- --- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

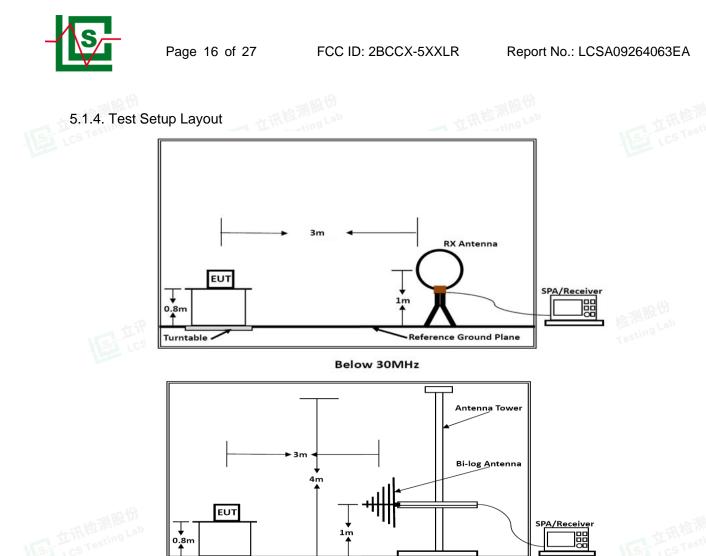
--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^{\circ}$) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.





Below 1GHz

5.1.5. Field Strength Calculation

Turntable 🖊

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

Reference Ground Plane

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) - AG (dB)

	v = (v = j)
Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

5.1.6. Test Results

Temperature	23.6°C	Humidity	52.2%
Test Engineer	Paddi Chen	Configurations	NFC

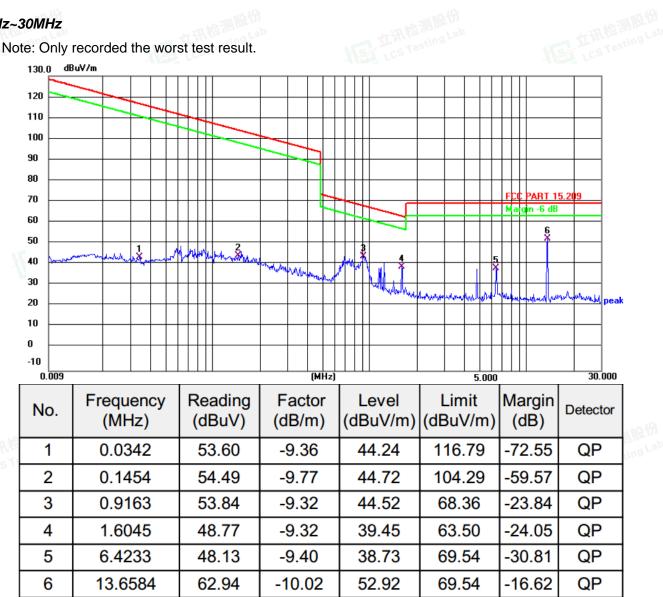
PASS.

The test data please refer to following page:

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*Note: Measurement = Reading Level + Factor Margin = Measurement - Limit.

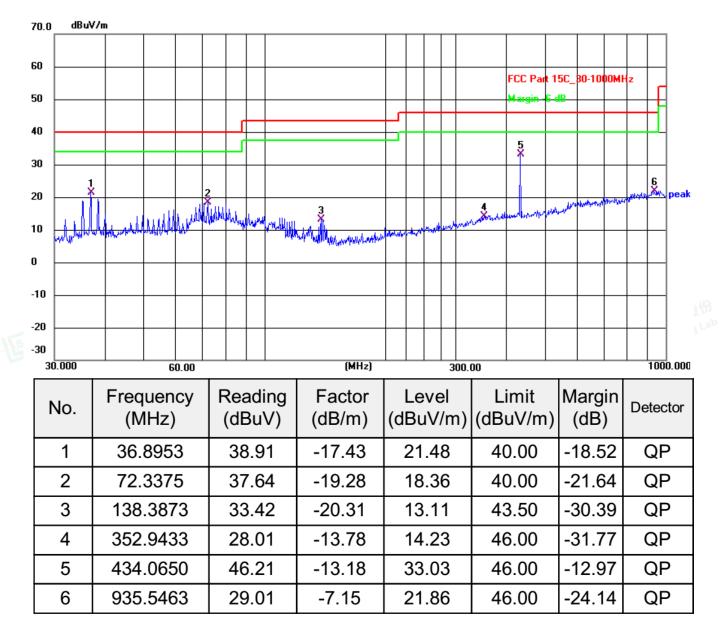




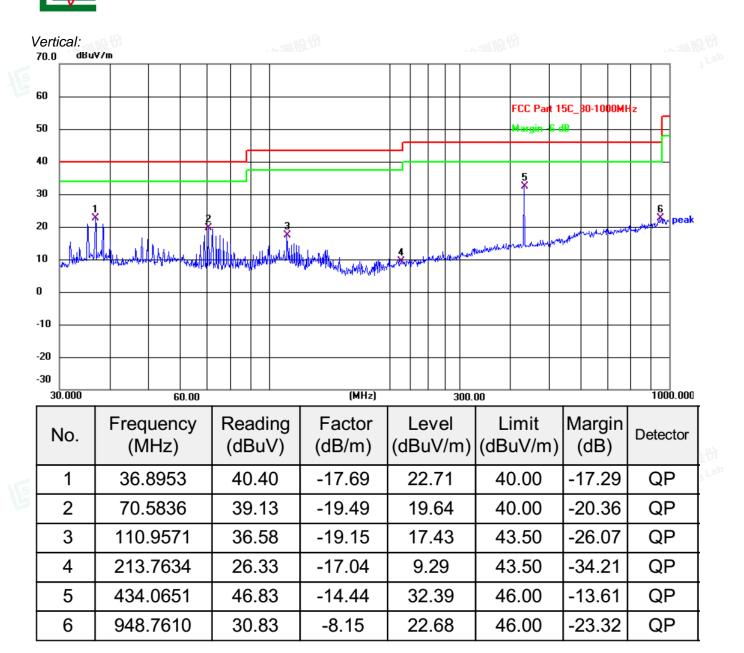
Temperature	23.8°C	Humidity	52.1%	检测股份
Test Engineer	Paddi Chen	Configurations	NFC	Testing

30MHz ~ 1GHz

Horizontal:





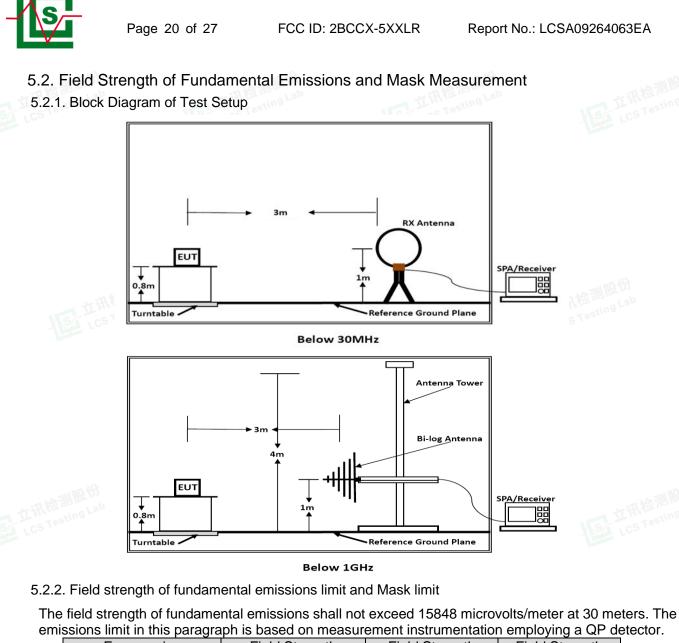


Note:

Pre-scan all modes and recorded the worst case results in this report. Emission level (dBuV/m) = 20 log Emission level (uV/m). Corrected Reading: Factor + Read Level = Level. Margin=Level – Limit.

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Mas	sk Limit:	Edd -	服你	一位测版作	б пХ
	13.553 ~ 13.567MHz	15848 at 30m	103.08 (QP)	124 (QP)	
	(MHz)	(microvolts/meter)	(dBµV/m) at 10m	(dBµV/m) at 3m	
	Frequencies	Field Strength	Field Strength	Field Strength	

IdSK LIITIIL.		
Frequency (MHz)	Limit (dBuV/m)	Distance (m)
1.705-13.110	69.5	305 10
13.110-13.410	80.5	3
13.410-13.553	90.5	3
13.553-13.567	124.0	3
13.567-13.710	90.5	3
13.710-14.010	80.5	3
14.010-30.000	69.5	3

5.2.3. Test Results

PASS.

The test data please refer to following page:



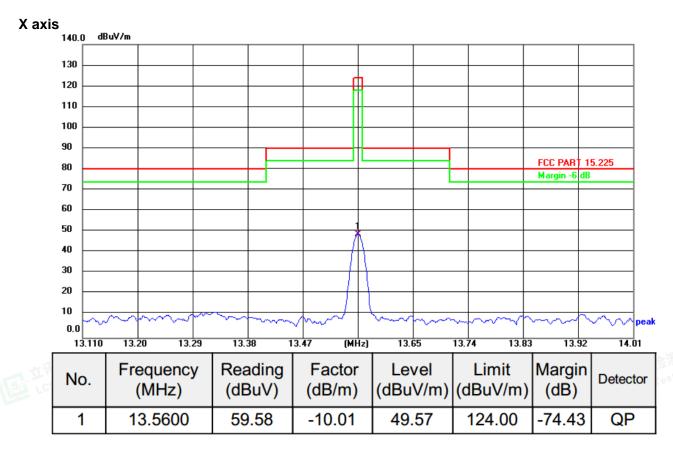
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Temperature23.7°CHumidity52.6%Test EngineerPaddi ChenConfigurationsNFC



*Note: Factor= Antenna Factor + Cable Loss

Measured $(dB\mu V/m) = Reading + Factor, Margin= Measured - Limit$ Emission level $(dB\mu V/m) = 20 \log$ Emission level $(\mu V/m)$. Measured distance is 3m. All emissions emit from non-NFC function of digital unintentional emissions. All NFC's spurious emissions are below 20dB of limits. X axis / Y axis/Z axis were tested, report only recorded the worst result of X axis.





6. BANDWIDTH OF THE OPERATING FREQUENCY

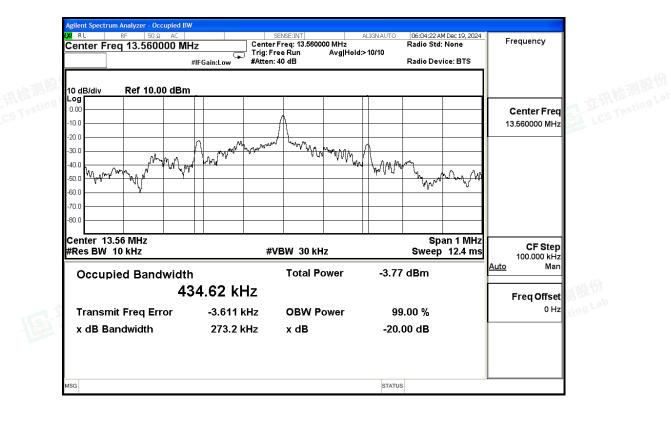
6.1. Standard Applicable

Intentional radiators must be designed to ensure that the 20 dB bandwidth of the emissions in the specific band (13.553 ~ 13.567MHz).

6.2. Test Result

EUT	WAVE	
RBW	10kHz	THE G
VBW	30kHz	一开位加加
SPAN	1MHz	Les Testing
Carrier Frequency	20dB Bandwidth	
(MHz)	(KHz)	
13.56	273.2	

Please refer to the test plot:







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7. FREQUENCY STABILITY MEASUREMENT

7.1 Standard Applicable

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 full charged battery.

7.2 Test Result

Voltage vs. Frequency Stability

	Measurement	Deviation	Deviation	Limit
voltage(v)	Frequency (MHz)	(KHz)	(ppm)	(ppm)
VL	13.56033	0.33	24.39	100
VN	13.56042	0.42	30.87	100
VH	13.56028	0.28	20.51	100
		Voltage(V) Frequency (MHz) VL 13.56033 VN 13.56042	Voltage(V) Frequency (MHz) (KHz) VL 13.56033 0.33 VN 13.56042 0.42	Voltage(V) Frequency (MHz) (KHz) (ppm) VL 13.56033 0.33 24.39 VN 13.56042 0.42 30.87

Temperature vs. Frequency Stability

-n.l	Temperature (°C)	Measurement Frequency (MHz)	Deviation (KHz)	Deviation (ppm)	Limit (ppm)	-243
TIL BE	-20	13.56029	0.29	21.31	100	n to JUBE 1
sting	-10	13.56022	0.22	16.35	100	This Lab
	0	13.56022	0.22	16.49	100	5100
ſ	10	13.56035	0.35	25.67	100	
ſ	20	13.56043	0.43	31.45	100	
[30	13.56037	0.37	27.03	100	
ſ	40	13.56046	0.46	33.72	100	
[50	13.56030	0.30	21.96	100	





8. LINE CONDUCTED EMISSIONS

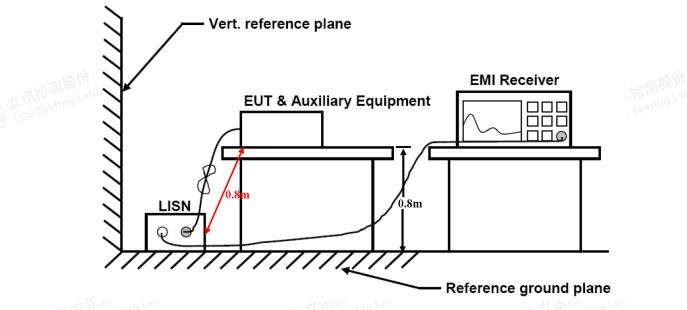
8.1. Standard Applicable

According to §15.207(a): For an intentional radiator which 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 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range	Limits (dB	μV)
(MHz)	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

8.2. Block Diagram of Test Setup



8.3. Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)		
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor		
	·		

8.4. Test Results

Not applicable.





9. ANTENNA REQUIREMENTS

9.1 Standard Applicable

According to antenna requirement of §15.203.

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 re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

9.2 Antenna Connected Construction

9.2.1. Standard Applicable

According to § 15.203, 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.

9.2.2. Antenna Connector Construction

The gains of antenna used for transmitting is 0dBi, and the antenna is PCB Antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

9.2.3. Results: Compliance.



Scan code to check authenticity



10. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date	
1	X-series USB Peak and Average Power Sensor Agilent	Agilent	U2021XA	MY54080022	2024-10-08	2025-10-07	
2	4 CH. Simultaneous Sampling 14 Bits 2MS/s	Agilent	U2531A	MY54080016	2024-10-08	2025-10-07	
3	Test Software	Ascentest	AT890-SW	20160630	N/A	N/A	
4	RF Control Unit	Ascentest	AT890-RFB	N/A	2024-06-06	2025-06-05	
5	MXA Signal Analyzer	Agilent	N9020A	MY49061051	2024-06-06	2025-06-05	
6	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07	
7	MXG Vector Signal Generator	Agilent	N5182A	MY47071151	2024-06-06	2025-06-05	
8	ESG Vector Signal Generator	Agilent	E4438C	MY49072627(3G)	2024-06-06	2025-06-05	
9	PSG Analog Signal Generator	Agilent	E8257D	MY4520521	2024-06-06	2025-06-05	
10	Temperature & Humidity Chamber	Baro	/	1	2024-06-12	2025-06-11	
11	EMI Test Software	Farad	EZ	/	N/A	N/A	
12	3m Full Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2022-08-17	2025-08-16	
13	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A	
14	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12	
15	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02	
16	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12	
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12	
18	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29	
19	EMI Test Receiver	C ^{ST CS} R&S	ESR7	101181	2024-06-06	2025-06-05	
20	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05	
21	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07	
22	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07	
23	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2024-06-06	2025-06-05	
24	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05	
25	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07	



Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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FCC ID: 2BCCX-5XXLR

Report No.: LCSA09264063EA



11. Test Setup Photographs of Eut

Please refer to separated files for Test Setup Photos of the EUT.

12. Exterior Photographs of the Eut

Please refer to separated files for Exterior Photos of the EUT.

13. Interior Photographs of the Eut

Please refer to separated files for Interior Photos of the EUT.



