





EMC TEST REPORT

Applicant:	Corporativo Lanix S.A. de C.V.				
Address:	Carretera Internacional Hermosillo-Nogales KM 8.5, 83160, Hermosillo, Sonora, México				
	T				
Manufacturer or Supplier:	Corporativo Lanix S.A. de C.V.				
Address:	Carretera Internacional Hermosillo	-Nogales KM 8.5, 83160, Hermosillo, Sonora, México			
Product:	LTE MODEM				
Brand Name:	Lanix				
Model Name:	B02				
FCC ID:	ZC4B02				
Date of tests:	Sep. 03, 2019 ~ Oct. 11, 2019				
The submitted san following standards		peen tested for according to the requirements of the			
Killing FCC Part 15, S	 ☐ FCC Part 15, Subpart B, Class A ☑ FCC Part 15, Subpart B, Class B ☑ ANSI C63.4:2014 				
CONCLUSION: Th	e submitted sample was found to	COMPLY with the test requirement			
	Prepared by Alex Chen Approved by Luke Lu Engineer / Mobile Department Manager / Mobile Department				
Alex luke lu					
Date: Oct. 12, 2019 Date: Oct. 12, 2019					
This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to so. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of the tests conducted and the correctness of the report contents.					



TABLE OF CONTENTS

RELEASE CONTROL RECORD	. 3
1 GENERAL INFORMATION	. 4
1.1 GENERAL DESCRIPTION OF EUT	. 4
1.2 SUMMARY OF TEST RESULTS	
1.3 MEASUREMENT UNCERTAINTY	. 5
1.4 DESCRIPTION OF TEST MODES	. 6
1.5 DESCRIPTION OF SUPPORT UNITS	. 7
2 EMISSION TEST	. 8
2.1 CONDUCTED EMISSION MEASUREMENT	. 8
2.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT	
2.1.2 TEST INSTRUMENTS	. 8
2.1.3 TEST PROCEDURES	
2.1.4 DEVIATION FROM TEST STANDARD	
2.1.5 TEST SETUP	10
2.1.6 EUT OPERATING CONDITIONS	10
2.1.7 TEST RESULTS	
2.2 RADIATED EMISSION MEASUREMENT	
2.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	
2.2.2 TEST INSTRUMENTS	
2.2.3 TEST PROCEDURE	
2.2.4 DEVIATION FROM TEST STANDARD	
2.2.5 TEST SETUP	
2.2.6 EUT OPERATING CONDITIONS	
2.2.7 TEST RESULTS	18
3 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB	



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FV190902W001	Original release	Oct. 12, 2019

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen51800, China Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



1 GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

PRODUCT	LTE MODEM		
BRAND NAME	Lanix		
MODEL NAME	B02		
NOMINAL VOLTAGE	12(10.8-13.2)V (adap	oter or host equipment)	
	WLAN	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM	
MODULATION TYPE	WCDMA	BPSK/QPSK	
	LTE	QPSK/16QAM	
	WLAN	2412-2462MHz for 11b/g/n(HT20) 2422-2452MHz for 11n(HT40)	
OPERATING	WCDMA	1852.4MHz ~ 1907.6MHz(FOR WCDMA Band 2) 826.4MHz ~ 846.6MHz (FOR WCDMA Band 5)	
FREQUENCY	LTE	1710.7MHz ~ 1754.3MHz (FOR LTE Band4) 824.7MHz ~ 848.3MHz (FOR LTE Band5) 2502.5MHz ~ 2567.5MHz (FOR LTE Band7) 1710.7MHz ~ 1754.3MHz (FOR LTE Band66)	
HW VERSION	PS05I_1_21		
SW VERSION	PS05INT2_N21_AP_V003		
CABLE SUPPLIED	N/A		
ACCESSORY DEVICES	Refer to note as below		

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. The EUT was powered by the following adapter:

ADAPTER	-
BRAND:	LANIX
MODEL:	RD1201000-C55-91MG
INPUT:	AC 100-240V, 0.6mA
OUTPUT:	DC 12(10.8-13.2)V, 1000mA

3. The EUT matched the following reticle:

RETICLE	3
BRAND:	Huachen
MODEL:	HC-WX02
SIGNAL LINE:	1.0 METER

4. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



1.2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart B			
Standard Section	Standard Section Test Item		
FCC Part 15,	Conducted Test	Compliance	
Subpart B, Class B	Radiated Emission Test (30MHz ~ 1GHz)	Compliance	
ANSI C63.4:2014	Radiated Emission Test (Above 1GHz)	Compliance	

1.3 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz ~ 30MHz	±2.70dB
	30MHz~1GMHz	±4.98dB
Radiated emissions	1GMHz ~6GMHz	±4.70dB
	6GMHz ~18GMHz	±4.60dB



1.4 DESCRIPTION OF TEST MODES

Test Mode	Test Condition				
	Radiated emission test				
1	WCDMA B2 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
2	WCDMA B5 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
3	LTE B4 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
4	LTE B5 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
5	LTE B7 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
6	LTE B66 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
Conducted emission test					
1	WCDMA B2 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
2	WCDMA B5 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
3	3 LTE B4 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
4	LTE B5 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
5	LTE B7 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				
6	LTE B66 Idle + Adapter + WIFI 2.4g Idle + LAN port data transmitting + NoteBook				

NOTE:

- 1. For conducted emission test, test mode 1 was the worst case and only this mode was presented in this report.
- 2. For radiated emission test, test mode 1 was the worst case and only this mode was presented in this report



1.5 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.

FOR All TESTS

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Wireless AP	ABOCOM	WR224GR	060500749P	N/A
2	Laptop	Lenovo	T450	PC0494WJ	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS			
1	N/A			
2	N/A			



2 EMISSION TEST

2.1 CONDUCTED EMISSION MEASUREMENT

2.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.107 a CLASS B)

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBµV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.107 b CLASS A)

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBµV)				
	Quasi-peak	Average			
0.15 ~ 0.5	79	66			
0.5 ~ 30	73	60			

NOTE: 1.The lower limit shall apply at the transition frequencies.

- 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
- 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

2.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR3	101900	Feb. 26,19	Feb. 25, 20
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Feb. 26,19	Feb. 25, 20

NOTE: 1. The test was performed in CE shielded room.

2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



2.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

2.1.4 DEVIATION FROM TEST STANDARD

No deviation.

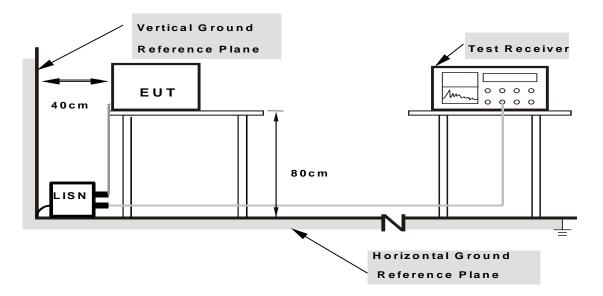
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

Email: customerservice.sz@cn.bureauveritas.com

BV 7Layers Communications



2.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

2.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the use type described in the manufacturer's specifications or the user's manual.



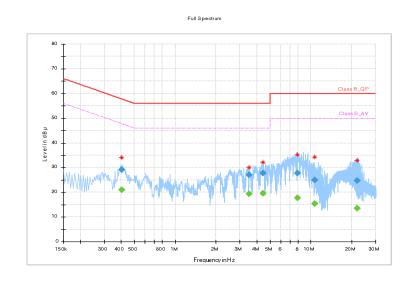
2.1.7 TEST RESULTS

TEST VOLTAGE	DC 12V From Adapter Input 120 Vac, 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz	
ENVIRONMENTAL CONDITIONS	25deg. C, 52RH	TESTED BY	Jimmy Liu	

Frequency (MHz)	QuasiPeak (dB¦ÌV)	CAverage (dB¦ÌV)	Limit (dB¦ÌV)	Margin (dB)	Line	Filter	Corr. (dB)
0.404000		20.91	47.77	-26.86	L	ON	10.0
0.404000	29.05		57.77	-28.72	L	ON	10.0
3.504000		19.30	46.00	-26.70	L	ON	10.2
3.504000	27.14		56.00	-28.86	L	ON	10.2
4.440000		19.56	46.00	-26.44	L	ON	10.2
4.440000	27.70		56.00	-28.30	L	ON	10.2
7.936000		17.61	50.00	-32.39	L	ON	10.4
7.936000	27.82		60.00	-32.18	L	ON	10.4
10.624000		15.36	50.00	-34.64	L	ON	10.5
10.624000	24.90		60.00	-35.10	L	ON	10.5
21.796000		13.63	50.00	-36.37	L	ON	10.6
21.796000	24.79		60.00	-35.21	L	ON	10.6

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
- 6. Emission Level = Correction Factor + Reading Value.



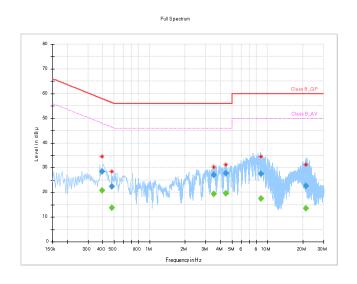


TEST VOLTAGE		Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 52RH	TESTED BY	Jimmy Liu

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.396000		20.79	47.94	-27.15	N	ON	9.9
0.396000	28.52		57.94	-29.41	N	ON	9.9
0.476000		13.80	46.41	-32.61	N	ON	9.9
0.476000	22.44		56.41	-33.97	N	ON	9.9
3.492000		19.38	46.00	-26.62	N	ON	10.1
3.492000	27.14		56.00	-28.86	N	ON	10.1
4.416000		19.71	46.00	-26.29	N	ON	10.1
4.416000	27.82		56.00	-28.18	N	ON	10.1
8.796000		17.46	50.00	-32.54	N	ON	10.3
8.796000	27.57		60.00	-32.43	N	ON	10.3
21.268000		13.64	50.00	-36.36	N	ON	10.5
21.268000	22.56		60.00	-37.44	N	ON	10.5

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
- 6. Emission Level = Correction Factor + Reading Value.



No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen51800, China Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



2.2 RADIATED EMISSION MEASUREMENT

2.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.109)

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

Radiated Emissions Limits at 3 meters (dBµV/m)						
Frequencies (MHz)	FCC 15B / ICES-003, Class B					
30-88	49	40				
88-216	53.5	43.5				
216-960	56	46				
960-1000	59.5	54				
Above 1000	Avg: 59.5 Peak: 79.5	Avg: 54 Peak: 74				

Frequency Range (For unintentional radiators)

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)		
Below 1.705	30		
1.705-108	1000		
108-500	2000		
500-1000	5000		
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower		

NOTE: 1. The lower limit shall apply at the transition frequencies.

- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
- 4. QP detector shall be applied if not specified.



2.2.2 TEST INSTRUMENTS

Frequency range below1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.	
3m Semi-anechoic	ETS-LINDGREN	0m*6m*6m	Euroshieldpn-	Feb. 26,19	Feb. 25,20	
Chamber	E13-LINDGREN	9111 6111 6111	CT0001143-1216	reb. 26, 19		
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Feb. 26,19	Feb. 25,20	
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 26,19	Feb. 25,20	
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 24,19	Jun. 23,20	

Frequency range above 1GHz

requeries range above ronz								
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.			
3m Semi-anechoic Chamber	ETS-LINDGREN		Euroshieldpn- CT0001143-1216	Feb. 26,19	Feb. 25,20			
Horn Antenna	ETS-LINDGREN	3117	00168728	Feb. 26,19	Feb. 25,20			
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170242	May 01,19	May 02,20			
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 26,19	Feb. 25, 20			
Signal Pre-Amplifier (1~18GHz)	IEMSI	EMC 012645B	980257	Jun. 24,19	Jun. 23,20			

NOTE: 1. The test was performed in 3m chamber.

- 2. The calibration interval of the above test instruments is 12 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
- 3. The FCC Site Registration No. is 525120; The Designation No. is CN1171.



2.2.3 TEST PROCEDURE

<Frequency Range below 1GHz>

The basic test procedure was in accordance with ANSI C63.4:2014 (section 12).

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from 1 meter to 4 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.
- d. 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.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

NOTE:

- 1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
- 3. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier);
- 4. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) Amplifier Gain(dB) (if the raw value contains the amplifier).
- 5. Margin value = Emission level Limit value.

BV 7Layers Communications



<Frequency Range above 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna 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. The bore sight should be used during the test above 1GHz.
- d. 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.
- e. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz

NOTE:

- 1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth of test receiver/spectrum analyzer is 1Hz for Average detection (AV) at frequency above 1GHz.
- 3. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
- 4. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
- 5. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier);
- 6. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) Amplifier Gain(dB) (if the raw value contains the amplifier)
- 7. Margin value = Emission level Limit value.

2.2.4 DEVIATION FROM TEST STANDARD

No deviation.

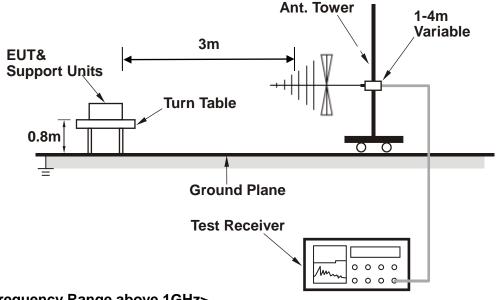
BV 7Layers Communications

Technology (Shenzhen) Co. Ltd

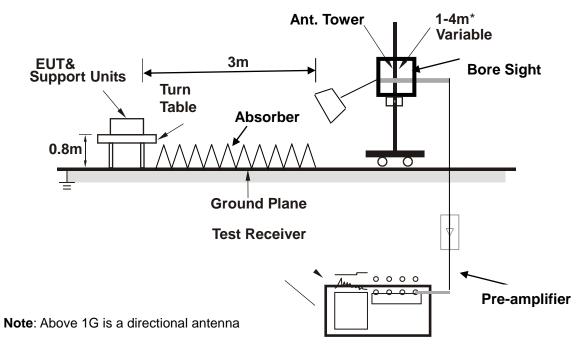


2.2.5 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



depends on the EUT height and the antenna 3dB bandwidth both, refer to section 7.3 of CISPR 16-2-3.

2.2.6 EUT OPERATING CONDITIONS

Same as item 2.1.6.

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen51800, China

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

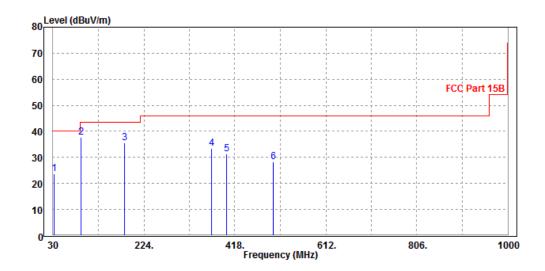


2.2.7 TEST RESULTS

	DC 12V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120 kHz
TESTED BY	Star Le		

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB/m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
31.94	23.82	44.24	40	-16.18	16.2	8.0	37.42	200	66	QP
90.14	37.82	65.27	43.5	-5.68	8.52	1.28	37.25	200	124	QP
183.26	35.64	60.18	43.5	-7.86	10.38	1.71	36.63	200	173	QP
367.56	33.4	51.52	46	-12.6	16.19	2.49	36.8	200	116	QP
399.57	31.48	48.5	46	-14.52	17.19	2.62	36.83	200	73	QP
499.48	28.26	43.78	46	-17.74	18.49	2.99	37	200	119	QP

- REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 - 2. Negative sign (-) in the margin column signify levels below the limit.
 - 3. Frequency range scanned: 30MHz to 1000MHz.
 - 4. Only emissions significantly above equipment noise floor are reported.



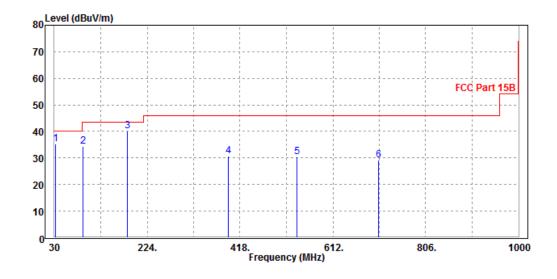
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



TEST VOLTAGE	DC 12V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120 kHz	
TESTED BY	Star Le			

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB/m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
32.91	35.27	56.46	40	-4.73	15.46	0.82	37.47	100	238	QP
90.14	34.49	61.84	43.5	-9.01	8.62	1.28	37.25	100	162	QP
183.26	40.12	64.57	43.5	-3.38	10.47	1.71	36.63	100	88	QP
392.78	30.79	47.94	46	-15.21	17.08	2.59	36.82	100	119	QP
536.34	30.31	45.18	46	-15.69	19.21	3.05	37.13	100	68	QP
708.03	29.26	40.21	46	-16.74	23.03	3.56	37.54	100	75	QP

- **REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 - 2. Negative sign (-) in the margin column signify levels below the limit.
 - 3. Frequency range scanned: 30MHz to 1000MHz.
 - 4. Only emissions significantly above equipment noise floor are reported.



Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

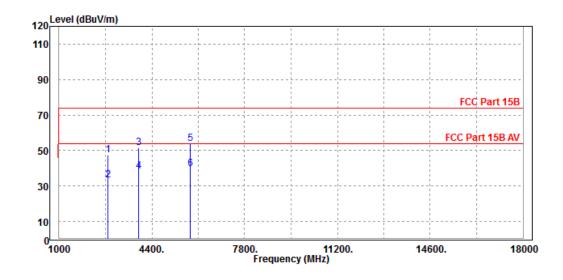


TEST VOLTAGE	DC 12V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz	
TESTED BY	Star Le			

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB/m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
2802	47.24	50.13	74	-26.76	33.36	5.31	41.56	200	0	Peak
2802	33.39	36.28	54	-20.61	33.36	5.31	41.56	200	0	Average
3924	51.43	50.34	74	-22.57	37.43	5.52	41.86	200	0	Peak
3924	38.26	37.17	54	-15.74	37.43	5.52	41.86	200	0	Average
5794	53.96	51.81	74	-20.04	36.42	7.8	42.07	200	0	Peak
5794	39.54	37.39	54	-14.46	36.42	7.8	42.07	200	0	Average

REMARKS:

- 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
- 2. Negative sign (-) in the margin column signify levels below the limit.
- 3. Frequency range scanned: 1GHz to 30GHz.
- 4. Only emissions significantly above equipment noise floor are reported.



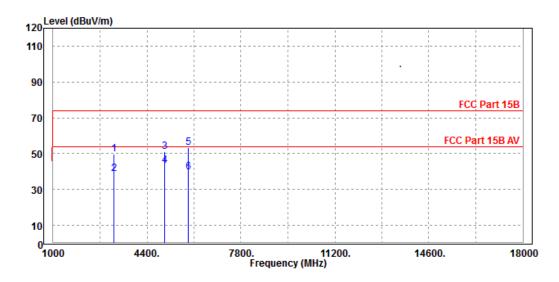
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



TEST VOLTAGE	DC 12V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz	
TESTED BY	Star Le			

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB/m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
3193	49.62	52.59	74	-24.38	33.03	5.66	41.66	200	0	Peak
3193	38.77	41.74	54	-15.23	33.03	5.66	41.66	200	0	Average
5029	51.05	49.33	74	-22.95	36.22	7.4	41.9	200	0	Peak
5029	43.36	41.64	54	-10.64	36.22	7.4	41.9	200	0	Average
5896	53.48	50.97	74	-20.52	36.74	7.9	42.13	200	0	Peak
5896	39.6	37.09	54	-14.4	36.74	7.9	42.13	200	0	Average

- REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 - 2. Negative sign (-) in the margin column signify levels below the limit.
 - 3. Frequency range scanned: 1GHz to 30GHz.
 - 4. Only emissions significantly above equipment noise floor are reported.



Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



3 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---