

Report No.: File reference No.: TW2203329-01E 2022-05-10

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.

Product: Tablet PC Model No.: K13

Trademark: TechPad

Test Standards: FCC Part 15.247

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10, FCC Part 15.247 for the evaluation of electromagnetic compatibility

Approved By

Terry long

Terry Tang

Manager

Dated:

May 10, 2022

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meets with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

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

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) — Registration No.: 5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test Report Conclusion Content

1.0	General Details	4
1.1	Test Lab Details	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	4
1.5	Test Duration	4
1.6	Test Uncertainty	4
1.7	Test By	5
2.0	List of Measurement Equipment	6
3.0	Technical Details	7
3.1	Summary of Test Results	7
3.2	Test Standards	7
4.0	EUT Modification	7
5.0	Power Line Conducted Emission Test	8
5.1	Schematics of the Test	8
5.2	Test Method and Test Procedure	8
5.3	Configuration of the EUT	8
5.4	EUT Operating Condition	9
5.5	Conducted Emission Limit	9
5.6	Test Result	9
6.0	Radiated Emission test	12
6.1	Test Method and Test Procedure	12
6.2	Configuration of the EUT	13
6.3	EUT Operation Condition	13
6.4	Radiated Emission Limit	13
7.0	20dB Bandwidth	26
8.0	Maximum Output Power	38
9.0	Carrier Frequency Separation	41
10.0	Number of Hopping Channel	45
11.0	Time of Occupancy (Dwell Time)	49
12.0	Out of Band Measurement	62
13.0	Antenna Requirement	79
14.0	FCC ID Label	80
15.0	Photo of Test Setup and EUT View	81

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdices which may be operarentiate.

adopt any other remedies which may be appropriate.



1.0 General Details

1.1

Test Lab DetailsName :SHENZHEN TIMEWAY TESTING LABORATORIES.Address:Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le
Village, Nanshan District, Shenzhen, ChinaTelephone:(755) 83448688Fax:(755) 83442996

1.2 Applicant Details

Applicant:	Shenzhen Jingwah Information Technology Co., Ltd.			
Address:	6F, Bldg.4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community, Huaqiangbei,			
	Futian District, Shenzhen			
Telephone:				
Fax:				

1.3 Description of EUT

Description of LOT				
Product:	Tablet PC			
Manufacturer:	henzhen Jingwah Information Technology Co., Ltd.			
Address:	6F, Bldg.4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community, Huaqiangbei,			
	Futian District, Shenzhen			
Trademark:	TechPad			
Model Number:	K13			
Additional Model N	lumber: N/A			
Hardware Version:	ГН1330-RK3566-V3.1			
Software Version: A	ndroid 11			
Serial No.: JK13220)3000001~UP			
Type of Modulation	GFSK, JI/4DQPSK, 8DPSK for Bluetooth			
Frequency range	2402-2480MHz for Bluetooth			
Channel Spacing	1MHz for Bluetooth			
Frequency Selection	n By software			
Channel Number	79 channels for Bluetooth			
Antenna:	Integral Antenna. The gain of the antennas is 0.8dBi (Declared by the applicant)			
Rating:	DC3.7V, 3A			
Battery:	DC3.7V, 10000mAh Li-ion battery			
Power Supply:	Model: TPQ-228F050300UW01;			
	Input: 100-240V~, 50/60Hz, 0.5A; Output: DC3.7V, 3A			

1.4 Submitted Sample: 2 Samples

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



- 1.5 Test Duration 2022-03-23 to 2022-05-10
- 1.6 Test Uncertainty Conducted Emissions Uncertainty =3.6dB Radiated Emissions below 1GHz Uncertainty =4.7dB Radiated Emissions above 1GHz Uncertainty =6.0dB Conducted Power Uncertainty =6.0dB Occupied Channel Bandwidth Uncertainty =5% Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.
- 1.7 Test Engineer

Andy -xing

The sample tested by

Print Name: Andy Xing

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2021-06-18	2022-06-17
TWO Line-V-NETW	R&S	EZH3-Z5	100294	2021-06-18	2022-06-17
TWO Line-V-NETW	R&S	EZH3-Z5	100253	2021-06-18	2022-06-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2021-06-18	2022-06-17
Loop Antenna	EMCO	6507	00078608	2021-06-18	2022-06-17
Spectrum	R&S	FSIQ26	100292	2021-06-18	2022-06-17
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2021-06-18	2022-06-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2024-07-01
Power meter	Anritsu	ML2487A	6K00003613	2021-06-18	2022-06-17
Power sensor	Anritsu	MA2491A	32263	2021-06-18	2022-06-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2021-07-02	2024-07-01
9*6*6 Anechoic			N/A	2021-07-02	2024-07-01
EMI Test Receiver	RS	ESVB	826156/011	2021-06-18	2022-06-17
EMI Test Receiver	RS	ESH3	860904/006	2021-06-18	2022-06-17
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2021-06-18	2022-06-17
Spectrum	HP/Agilent	E4407B	MY50441392	2021-06-18	2022-06-17
Spectrum	RS	FSP	1164.4391.38	2022-01-14	2023-01-13
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/F A		2021-06-18	2022-06-17
RF Cable	Zhengdi	7m		2021-06-18	2022-06-17
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17
LISN	SCHAFFNER	NNB42	00012	2022-01-05	2023-01-04

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1
For Radiated Emissions	
Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



3.0 **Technical Details**

3.1 Summary of test results

The EUT has been tested according to the following specifications:				
Requirement	CFR 47 Section	Result	Notes	
Antenna Requirement	15.203, 15.247(b)(4)	Pass	Complies	
Maximum Peak Out Power	15.247 (b)(1), (4)	Pass	Complies	
Carrier Frequency Separation	15.247(a)(1)	Pass	Complies	
20dB Channel Bandwidth	15.247 (a)(1)	Pass	Complies	
Number of Hopping Channels	15.247(a)(iii), 15.247(b)(1)	Pass	Complies	
Time of Occupancy (Dwell Time)	15.247(a)(iii)	Pass	Complies	
Spurious Emission, Band Edge, and Restricted bands	15.247(d),15.205(a), 15.209 (a),15.109	Pass	Complies	
Conducted Emissions	15.207(a), 15.107	Pass	Complies	
RF Exposure	15.247(i), 1.1307(b)(1)	Pass	Complies	
RF Exposure	15.247(i), 1.1307(b)(1)	1 858	Complies	

3.2 **Test Standards**

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

4.0 **EUT Modification**

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

This report refers only to the sample tested and does not apply to the bluk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

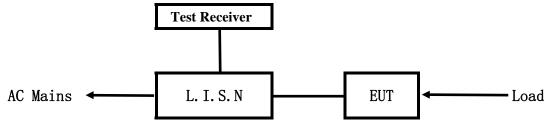
The report refers only to the sample tested and does not apply to the bulk.

adopt any other remedies which may be appropriate.



5. **Power Line Conducted Emission Test**

5.1 Schematics of the test

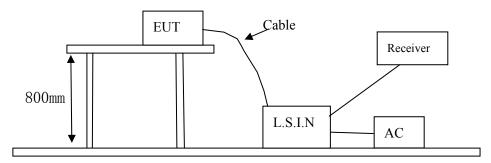


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10–2013. Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device Manufacturer		Model	FCC ID			
Tablet PC	Shenzhen Jingwah Information Technology Co., Ltd.	K13	RBD-K13			
	Technology Co., Ltu.					

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



B. Internal Device

Device Manufacturer		Model	Rating					

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition
- 5.5 Power line conducted Emission Limit according to Paragraph 15.207

<u> </u>					
Frequency	Limits (dB µ V)				
(MHz)	Quasi-peak Level	Average Level			
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*			
$0.50~\sim~5.00$	56.0	46.0			
$5.00 \sim 30.00$	60.0	50.0			

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

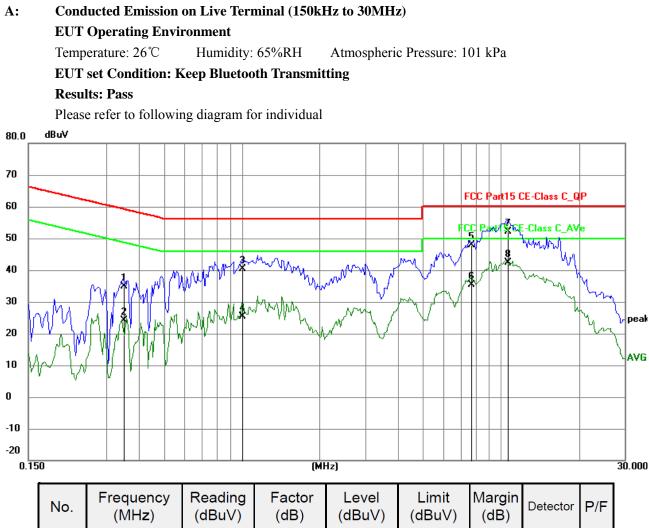
The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



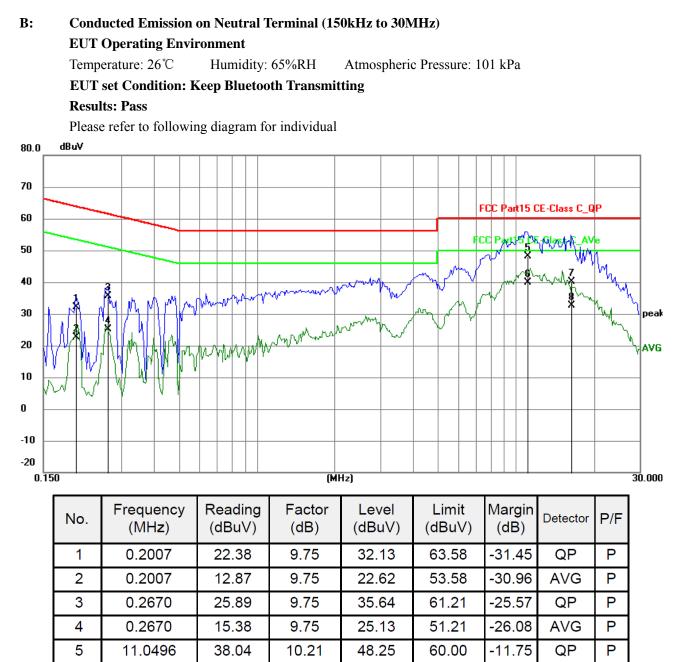


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.3489	25.14	9.76	34.90	58.99	-24.09	QP	Р
2	0.3489	14.35	9.76	24.11	48.99	-24.88	AVG	Ρ
3	1.0002	30.47	9.79	40.26	56.00	-15.74	QP	Ρ
4	1.0002	15.65	9.79	25.44	46.00	-20.56	AVG	Ρ
5	7.6481	37.95	10.04	47.99	60.00	-12.01	QP	Р
6	7.6481	25.37	10.04	35.41	50.00	-14.59	AVG	Р
7	10.6362	41.90	10.19	52.09	60.00	-7.91	QP	Р
8	10.6362	32.21	10.19	42.40	50.00	-7.60	AVG	Ρ

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





The report refers only to the sample tested and does not apply to the bulk.

11.0496

16.3263

16.3263

29.68

29.55

22.16

10.21

10.46

10.46

39.89

40.01

32.62

50.00

60.00

50.00

-10.11

-19.99

-17.38

AVG

QP

AVG

Р

Ρ

Ρ

6

7

8

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

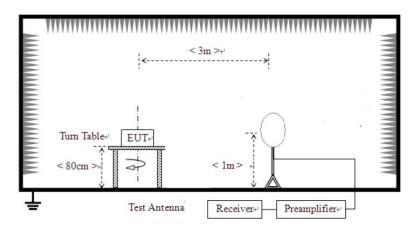


6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "**QP**" in the data table.
- (6) The antenna polarization : Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz

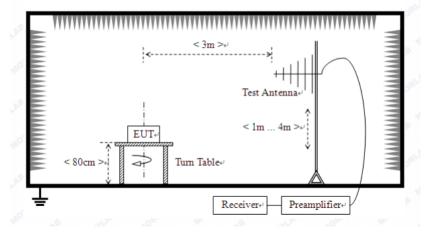


The report refers only to the sample tested and does not apply to the bulk.

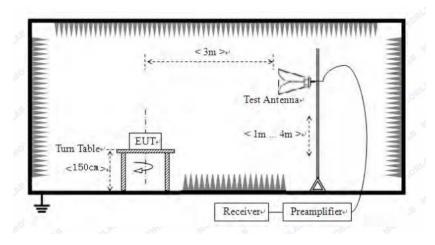
This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT Same as section 5.3 of this report
- 6.3 EUT Operating Condition Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Frequencies in restricted band are complete to mint on Faragraph 13.209							
Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)					
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)					
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)					
1.705-30	3	69.5					
30-88	3	40.0					
88-216	3	43.5					
216-960	3	46.0					
Above 960	3	54.0					

Frequencies in restricted band are complied to limit on Paragraph 15.209

Note: 1. RF Voltage $(dBuV) = 20 \log RF$ Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

5. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.

6. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.

7. Battery fully charged was used during tests.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test result General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal/Vertical (30MHz----1000MHz)

EUT set Condition: Keep Bluetooth Transmitting

Pass

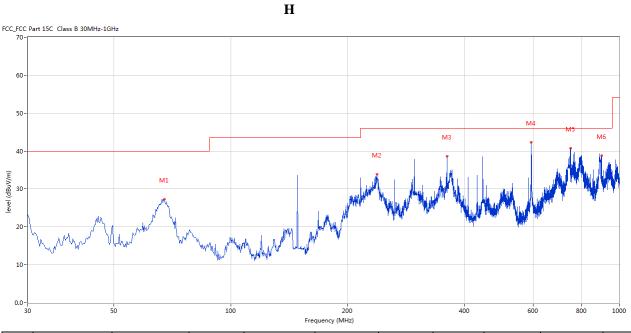
Results:

The report refers only to the sample tested and does not apply to the bulk.

This report feters only to the sample tested and does not apply to the buik. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report



Test Figure:



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	67.336	27.34	-14.40	40.0	-12.66	Peak	360.00	100	Horizontal	Pass
2	237.771	33.94	-12.44	46.0	-12.06	Peak	184.00	100	Horizontal	Pass
3	359.960	38.65	-9.46	46.0	-7.35	Peak	356.00	100	Horizontal	Pass
4	593.914	42.35	-5.25	46.0	-3.65	Peak	120.00	100	Horizontal	Pass
5	750.045	36.81	-3.43	46.0	-9.19	Peak	147.00	100	Horizontal	Pass
6	900.600	33.96	-1.89	46.0	-12.04	Peak	300.00	100	Horizontal	Pass

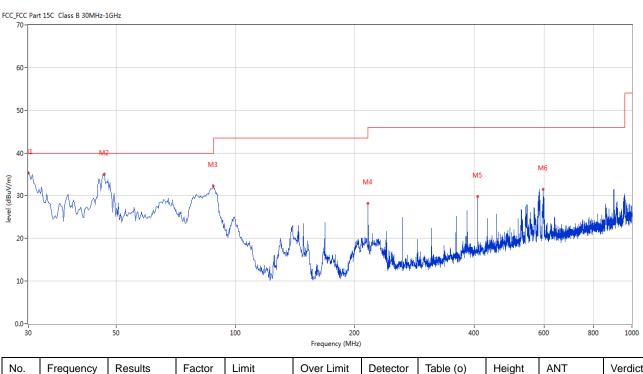
The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



v

Test Figure:



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	30.000	35.28	-14.19	40.0	-4.72	Peak	258.00	100	Vertical	Pass
2	46.728	35.11	-11.44	40.0	-4.89	Peak	274.00	100	Vertical	Pass
3	87.701	32.35	-15.67	40.0	-7.65	Peak	207.00	100	Vertical	Pass
4	215.951	28.26	-13.60	43.5	-15.24	Peak	191.00	100	Vertical	Pass
5	407.963	29.79	-8.47	46.0	-16.21	Peak	191.00	100	Vertical	Pass
6	596.823	31.50	-5.11	46.0	-14.50	Peak	28.00	100	Vertical	Pass

The report refers only to the sample tested and does not apply to the bulk.

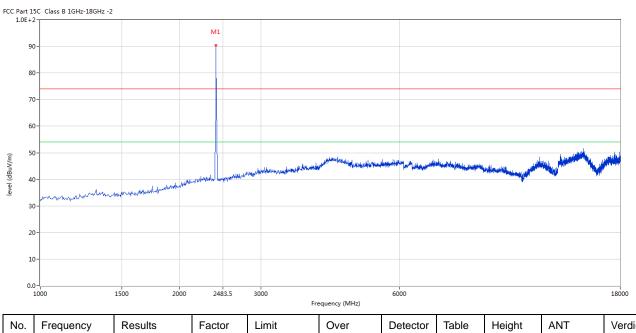
The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Test Figures above 1GHz:

Please refer to the following test plots for details:

Low Channel: Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2402	90.32	-3.57	74.0	16.32	Peak	74.00	100	Horizontal	N/A

The report refers only to the sample tested and does not apply to the bulk.

This report refers only to the sample tested and does not apply to the bluk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



N/A

Vertical

Low Channel: Vertical

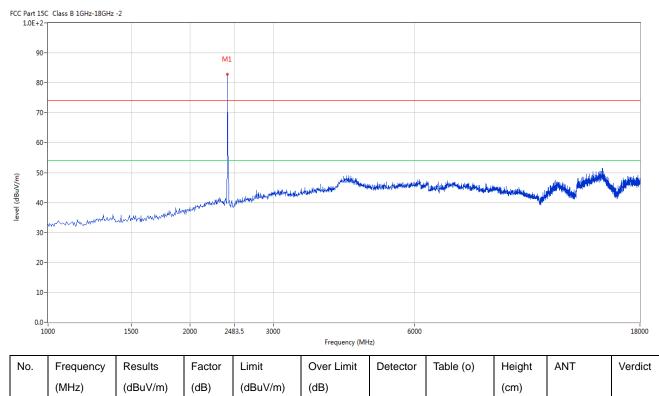
2402

1

82.96

-3.57

74.0



8.96

Peak

166.00

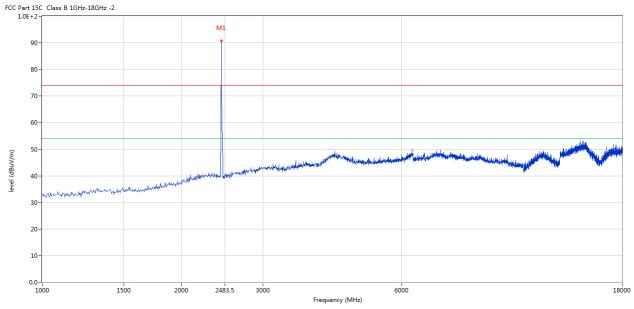
100

The report refers only to the sample tested and does not apply to the bulk.

This report refers only to the sample tested and does not apply to the bluk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Middle Channel: Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2441	90.74	-3.57	74.0	16.74	Peak	196.00	100	Horizontal	N/A

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Middle Channel: Vertical FCC Part 15C Class B 1GHz-18GHz -2 1.0E+2 90 М1 80 70 60 50 level (dBuV/m) 40 30 20 10-0.0-1500 2000 2483.5 3000 6000 18000 Frequency (MHz)

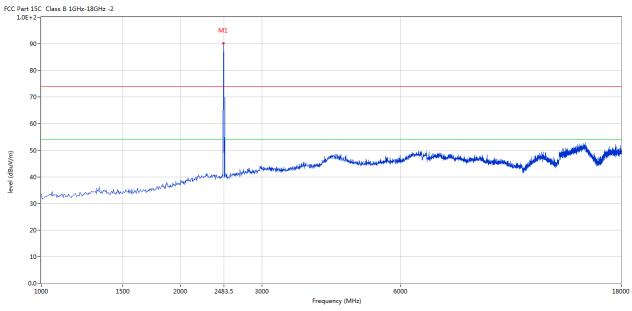
ſ	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2441	82.42	-3.57	74.0	8.42	Peak	236.00	100	Vertical	N/A

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



High Channel: Horizontal

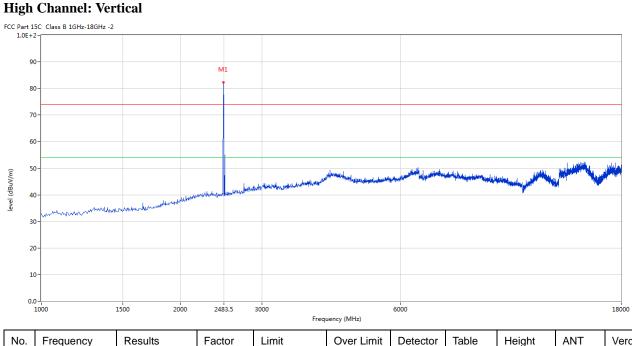


No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2480	90.14	-3.57	74.0	16.14	Peak	4.00	100	Horizontal	N/A

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to





Ν	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2480	82.24	-3.57	74.0	-8.24	Peak	196.00	100	Vertical	N/A

Note: 1. for the radiated emissions above 18G and below 30MHz, it is the floor noise.

2. the measured PK radiated emissions level less than the AV limit, so no necessary to take down the AV result

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

adopt any other remedies which may be appropriate.



7.0 20dB Bandwidth Measurement

7.1 Regulation

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

7.2 Limits of 20dB Bandwidth Measurement

N/A

7.3 Test Procedure.

1. Check the calibration of the measuring instrument (spectrum analyzer) using either an internal calibrator or a known signal from an external generator.

2. Set the spectrum analyzer as follows: Span =3MHz, RBW =30 kHz, VBW=100 kHz, Sweep = auto Detector function = peak, Trace = max hold

3. Measure the highest amplitude appearing on spectral display and record the level to calculate results. 6. Repeat above procedures until all frequencies measured were complete.

7.4 Test Result

Type of Modulation: GFSK

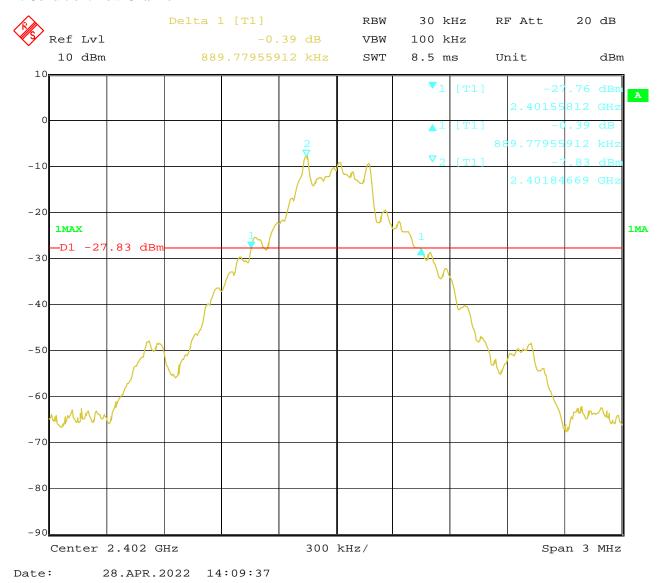
EUT	Т	ablet PC	Model	K13
Mode	Кеер	Transmitting	Input Voltage	DC3.7V
Temperat	ure 2-	4 deg. C,	Humidity	56% RH
Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)	Minimum Limit (kHz)	Pass/ Fail
Low	2402	890		Pass
Middle	2441	890		Pass
High	2480	890		Pass

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Test Figure: 1. Condition: Low Channel



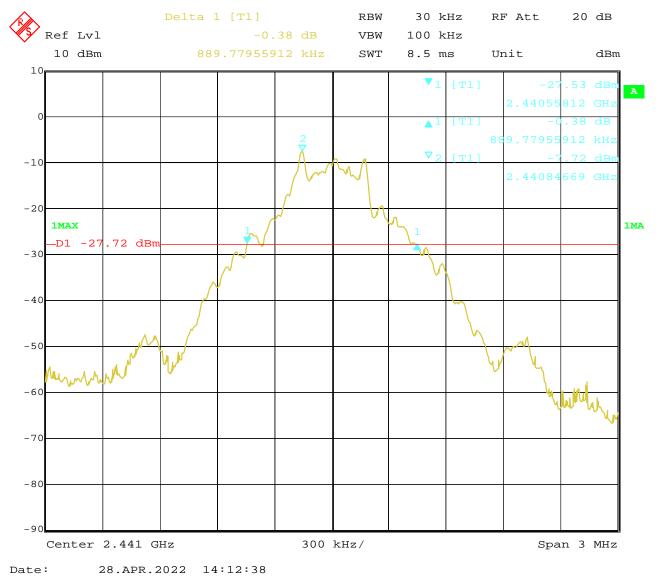
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Page 26 of 94

2. Condition: Middle Channel



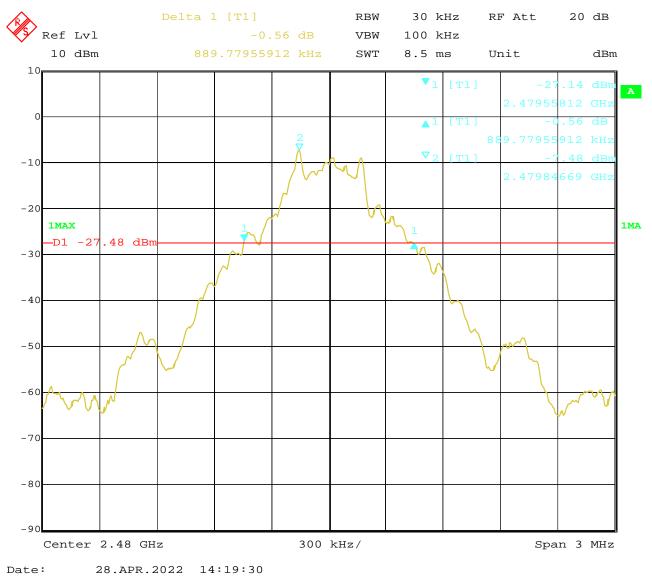
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced ratified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Page 27 of 94

3. High Channel



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Test Result Type of Modulation: Л/4DQPSK

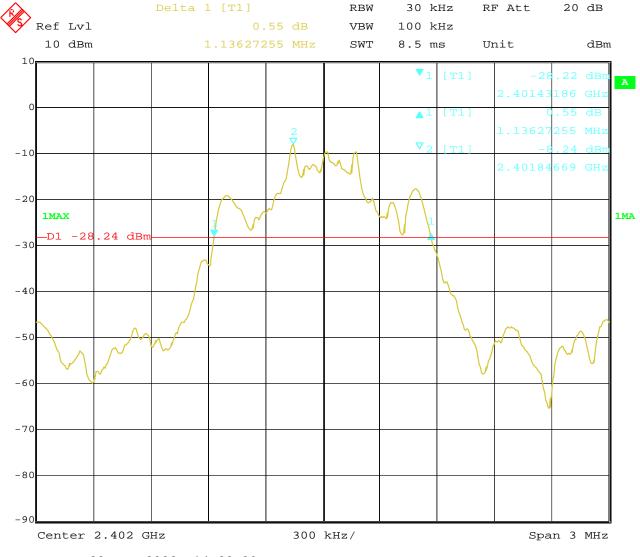
EUT	,	Tablet PC	Model	K13
Mode	Keep	Transmitting	Input Voltage	DC3.7V
Temperature	2	24 deg. C,	Humidity	56% RH
Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)	Maximum Limit (kHz)	Pass/ Fail
Low	2402	1136		Pass
Middle	2441 1136			Pass
High	2480	1136		Pass

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdices which may be operarentiate.



Test Figure: 1. Condition: Low Channel



Date:

28.APR.2022 14:28:39

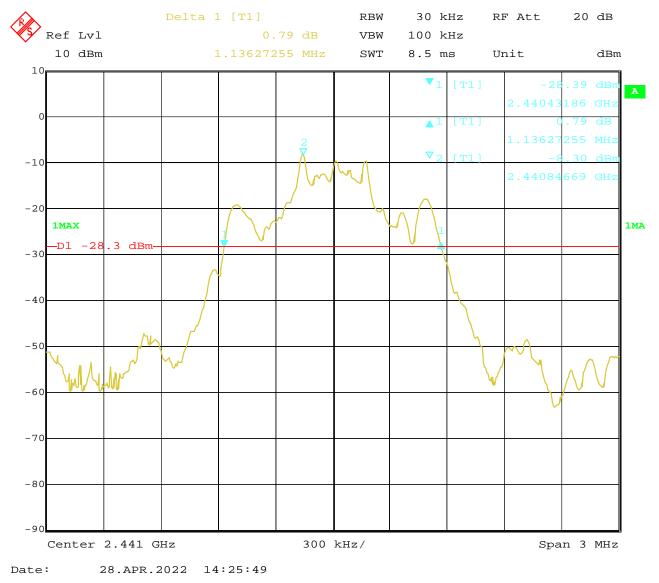
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and its will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Page 30 of 94

2. Condition: Middle Channel



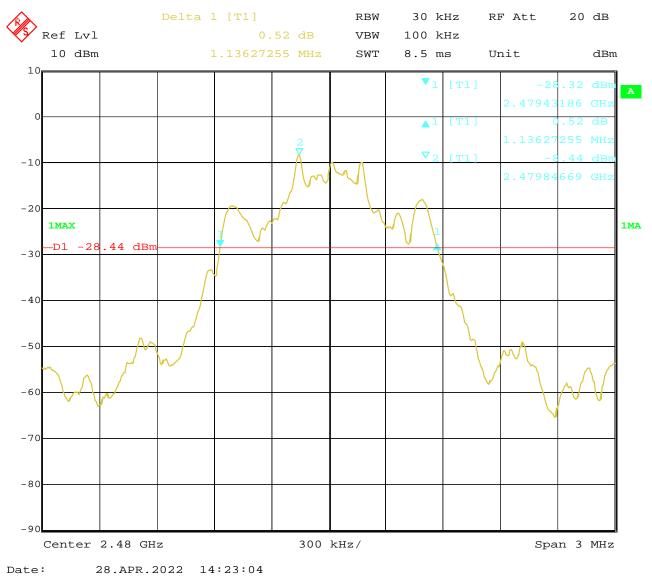
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Page 31 of 94

3. High Channel



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



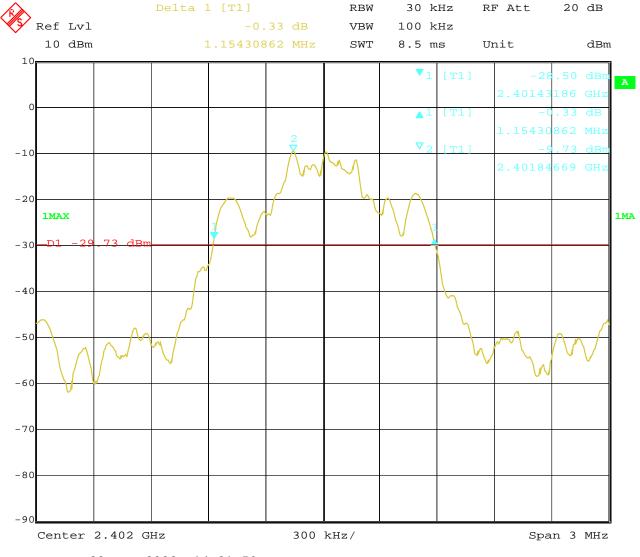
Test Result Type of Modulation: 8DPSK

EUT	Т	ablet PC	Model	K13
Mode	Keep	Transmitting	Input Voltage	DC3.7V
Temperature	24	4 deg. C,	Humidity	56% RH
Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)	Maximum Limit (kHz)	Pass/ Fail
Low	2402	1154		Pass
Middle	2441 1154			Pass
High	2480	1160		Pass

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Test Figure: 1. Condition: Low Channel





28.APR.2022 14:31:59

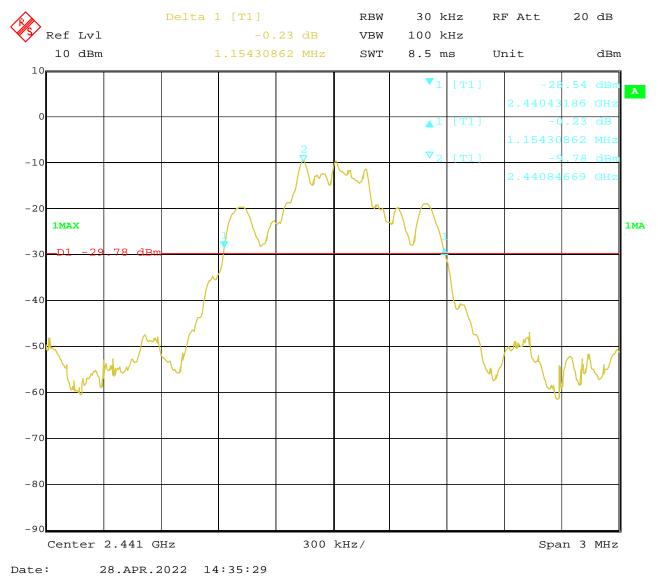
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and its will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Page 34 of 94

2. Condition: Middle Channel



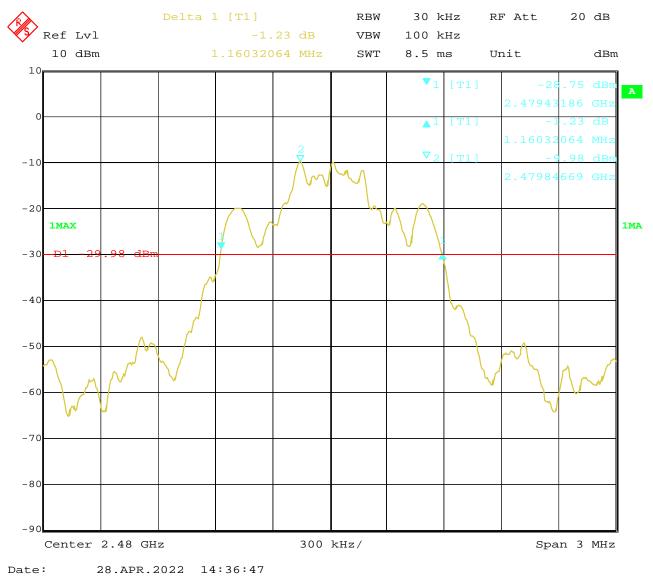
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Page 35 of 94

3. High Channel



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced ratified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



8. Maximum Output Power 8.1 Regulation

According to \$15.247(b)(1), for frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5MHz band:0.125 watts. According to \$15.247(b)(4), the conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

8.3 Test Procedure

1. Check the calibration of the measuring instrument (spectrum analyzer) using either an internal calibrator or a known signal from an external generator.

2. Set the spectrum analyzer as follows: Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel; RBW > the 20 dB bandwidth of the emission being measured; VBW = RBW=3MHz;

Sweep = 60s; Detector function = PK; Trace = max hold

3. Measure the highest amplitude appearing on spectral display and record the level to calculate results.

4. Repeat above procedures until all frequencies measured were complete.

Note: The AV power were measured

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



8.4Test Results Type of Modulation: GFSK

EUT		Tablet PC	Model	K13	
Mode	Kee	p Transmitting	Input Voltage	DC3.7V	
Temperature		24 deg. C,	Humidity	56% RH	
Channel	Channel Frequency (MHz)	Max. Power Output (dBm) Peak	Peak Power Limit (dBm)	Pass/ Fail	
Low	2402	-5.35	30	Pass	
Middle	2441	-5.35	30	Pass	
High	2480	-5.46	30	Pass	

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

2. The worse case was recorded

3. The AV power was measured

Type of Modulation: Л/**4DQPSK**

EUT		Tablet PC	Model	K13	
Mode		Keep Transmitting	Input Voltage	DC3.7V	
Temperature		24 deg. C,	Humidity 56% RH		
Channel	Channel Frequency	Max. Power Output (dBm)	Peak Power Limit	Pass/ Fail	
	(MHz)	Peak	(dBm)		
Low	2402	-5.93	30	Pass	
Middle	2441	-5.93	30	Pass	
High	2480	-6.05	30	Pass	

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

- 2. The worse case was recorded
- 3. The AV power was measured

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Type of Modulation: 8DPSK

EUT		Tablet PC	Model	K13
Mode	Ke	ep Transmitting	Input Voltage	DC3.7V
Temperature	2	24 deg. C, Hu		56% RH
Channel	Channel Frequency	Max. Power Output (dBm)	Peak Power Limit	Pass/ Fail
Chuiner	(MHz)	Peak	(dBm)	
Low	2402	-5.93	30	Pass
Middle	2441	-5.93	30	Pass
High	2480	-6.05	30	Pass

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

2. The worse case was recorded

3. The AV power was measured

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with party concerning the constant of the sentence.

discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



9. Carrier Frequency Separation

9.1 Regulation

According to §15.247(a)(1), frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

9.2 Limits of Carrier Frequency Separation

The Maximum Power Spectral Density Measurement is 25kHz or two-thirds of the 20dB bandwidth of the hopping Channel which is great.

9.3 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

2. Set the spectrum analyzer as follows: Span = wide enough to capture the peaks of two adjacent channels: Resolution (or IF) Bandwidth (RBW) $\geq 1\%$ of the span; Video (or Average) Bandwidth (VBW) $\geq RBW$; Sweep = auto; Detector function = peak; Trace = max hold

3. Measure the separation between the peaks of the adjacent channels using the marker-delta function.

4. Repeat above procedures until all frequencies measured were complete.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



9.4Test Result

Type of Modulation: GESK

EUT		Tablet PC			Model		K13	
Mode		Hopping O	n		Input Voltage	;	DC3.7V	
Temperature		24 deg. C,			Humidity	56% RH		
Carrier Fre	quency Separa	tion			Limit		Pass/ Fail	
1.	000MHz		≥ 25	kHz or 2/3	3 of the 20 dB l	oandwidth	Pass	
st Plots								
\triangleright	Delta			RBW	100 kHz	RF Att	20 dB	
Ref Lvl 10 dBm			1 dB	VBW	300 kHz 5 ms	Unit	dBm	
10 aBm	_	1.0000000	U MHZ	SWT	5 ms	Unit	aBm	
					▼1 [T1		-5.41 dBm	
0					. 2 [[[]]	2.440		
	2		1		1 ² [T1	-1.000	-0.01 dB	
-10		M		\sim		1	0.00 dB	
						1.000	00000 MHz	
	\mathcal{L}	h		L L		4/	L L	
-20		\downarrow	4					
-30								
40								
-50								
60								
-70								
- 80								
		$ $ \top						
-90								
Center 2.44	1 GHz		500	kHz/	•		Span 5 MHz	

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Type of Modulation: Л/4DQPSK

EUT			Tablet PC	2		Model		K13		
Mode			Hopping C	n		Input Vo	ltage		DC3.7V	
Temperature			24 deg. C	,		Humidit	у		56% RH	
Carrier I	Frequenc	ey Separat	ion			Limit			Pass/ Fail	1
	1.000M	1Hz		≥ 25 kHz or 2/3 of 20 dB bandw				width	Pass	
st Plots										
Ref Lvl 10 dBm		Delta :		00 dB 00 MHz	RBW VBW SWT	100 k 300 k 5 m	Hz	RF Att Unit	20 dB dBm	n
10						v 1	[T1]	2.440	-6.19 dBm)85471 GHz	
-10	$\overline{\mathbf{A}}$	2	\sim		\sim			-1.000	-C.00 dB 000000 MHz C.00 dB	3
-20		\bigvee	- In-	\bigvee		\bigvee			00000	(
-30										-
-40										-
-50										-
60										-
70										
- 80										
-90 Center 2	441 0	Hz		500	kHz/				Span 5 MHz]

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Type of Modulation: 8DPSK

EUT			Tablet PO	С		Model		K13		
Mode			Hopping (On		Input Vo	oltage		DC3.7V	
Temperature			24 deg. (2,		Humidit	y		56% RH	
Carrier I	Frequenc	ey Separat	ion			Limit			Pass/ Fail	1
	1.000M	1Hz		≥ 2	≥ 25 kHz or 2/3 of 20 dB bandwidth					
st Plots										
Ref Lvl 10 dBm		Delta 2		07 dB	RBW VBW SWT	100 k 300 k 5 m	Hz	RF Att Unit	20 dB dBm	n
						v 1	[T1]	2.44		n z
-10	~	2	~					-1.000	-C.07 dB 2000000 MHz C.00 dB	5
-20		\mathcal{N}	\sim	\mathbf{V}		\bigvee			¥ , ∰√ 0 0 0 0 0 0 0 0 0 0 0	1
-30										-
40										-
50										-
60										-
70										
80										
-90 Center 2	441 CI	Hz		500	kHz/				Span 5 MHz	_

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



10. Number of Hopping Channels 10.1 Regulation

According to §15.247(a)(1)(iii), frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used. According to §15.247(b)(1), for frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

10.2 Limits of Number of Hopping Channels

The frequency hopping systems in the 2400-2483.5MHz band shall use at least 15 channels.

10.3 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

2. Set the spectrum analyzer as follows: Span = the frequency band of operation; RBW=100 kHz, VBW=300 kHz; Sweep = auto; Detector function = peak; Trace = max hold

3. Record the number of hopping channels.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

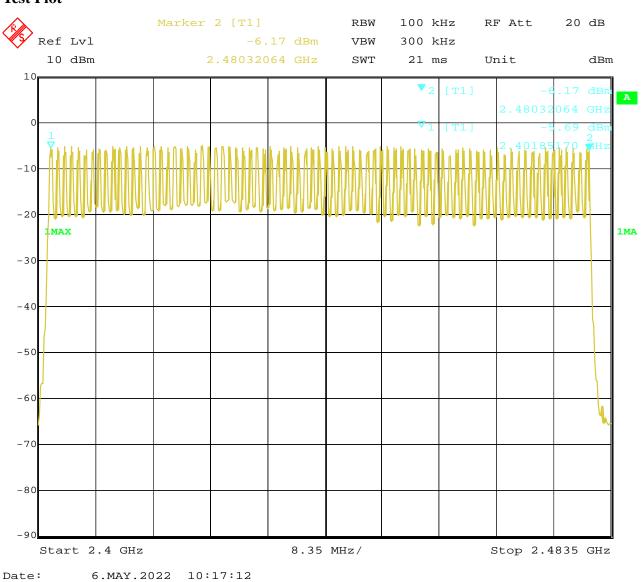
In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



10.4Test Result Type of Modulation: GFSK

of Modulation	n: Gi	SK				
EUT		r	Tablet PC	Model	K13	
Mode		Н	opping On	Input Voltage	DC3.7V	
Temperat	ure	4	24 deg. C,	Humidity	56% RH	
Operating	Operating Frequency Number of hop		ping channels	Limit	Pass/ Fail	
2402-248	2402-2480MHz		79		≥15	Pass

Test Plot



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Type of Modulation: Л/4DQPSK

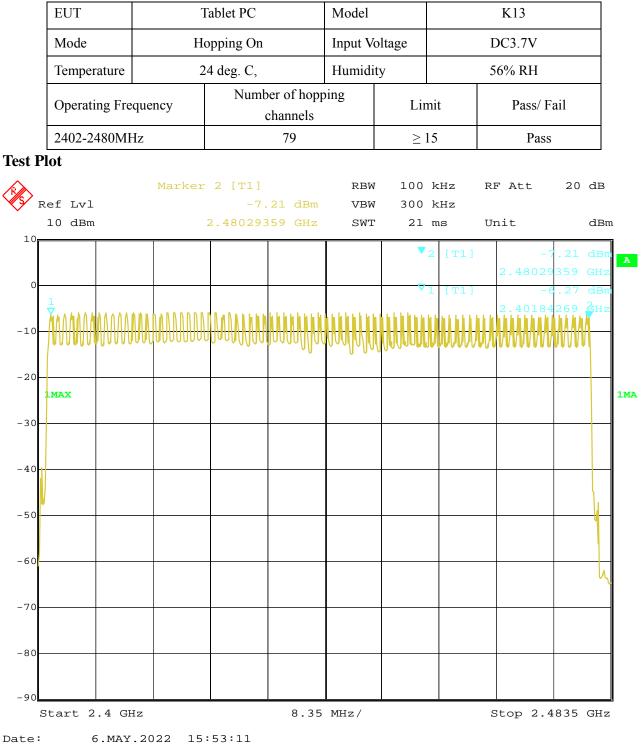
	EUT			Tablet P	C	Mode	el		K13	
	Mode			Hopping	On	Input Volta			DC3.7V	
	Temp	erature		24 deg.	С,	Hum	idity		56% RH	
	Opera	ting Freq	uency	Num	ber of hop	ping	Limit		Pass/ I	Fail
	2402-	2480MHz	2		79		≥15		\geq 15 Pass	
Plo	ot									
			Marker	2 [T1]		RBW	100	kHz	RF Att	20 dB
Re	ef Lvl			-7.	.31 dBm	VBW	300	kHz		
	0 dBm	L		2.480293	359 GHz	SWT	21	ms	Unit	dB
							▼2	2 [T1]	-	7.31 dB
									2.4802	9359 GH
0	L							[T1]	-	6.19 dB
	*****				<u>k k in h h h h h h</u>	k k k k k k k	a in it is it is a second	l la la la la la la	2.4018	4269 Č H
0	VVVV VV	00000000	h nn nnnli	innn i nnla	nolallaar	10010001	NUUUUIII		WWWWWW	MMM -
					V	••••	· · · · · · · · · · · · · · · · · · ·			
0										
1t	MAX									
0										
0										
0										+ +
0—										4
0—										
0—										
0										
St	art 2	2.4 GHz			8.35	MHz/			Stop 2.	4835 GH

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdice which may be operarentiate.



Type of Modulation: 8DPSK



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



11. Time of Occupancy (Dwell Time)

11.1 Regulation

According to §15.247(a)(1)(iii), frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

11.2 Limits of Carrier Frequency Separation

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed

11.3 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

2. Set the spectrum analyzer as follows: Span = zero span, centered on a hopping channel; RBW = 1 MHz; VBW

RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold

3. Measure the dwell time using the marker-delta function.

4. Repeat above procedures until all frequencies measured were complete.

5. Repeat this test for different modes of operation (e.g., data rate, modulation format, etc.), if applicable.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



11.4 Test Result

Type of Modulation: GFSK

EUT		Tablet PC	Model	l		K13			
Mode	Kee	p Transmitting	Input Volt	tage		DC3.7V			
Temperatur	-e	24 deg. C,		ty		56% RH			
Channel	Reading	Reading Hoping Rate			Actual	Limit			
DH5									
Middle	2.966ms	266.667 hop/s			0.316s 0.4s				
		DH3							
Middle	1.683ms	400 hop/s			0.269s	0.4s			
		DH1							
Middle	0.421ms	800 hop/s			0.135s	0.4s			

Actual = Reading × (Hopping rate / Number of channels) × Test period, Test period = 0.4 [seconds / channel] × 79 [channel] = 31.6 [seconds] NOTE: The EUT makes worst case 1600 hops per second or 1 time slot has a length of 625μ s with 79 channels.

A DH5 Packet needs 5 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 266.667 hops per second with 79 channels.

A DH3 Packet needs 3 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 400 hops per second with 79 channels.

A DH1 Packet needs 1 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 800 hops per second with 79 channels.

The report refers only to the sample tested and does not apply to the bulk.

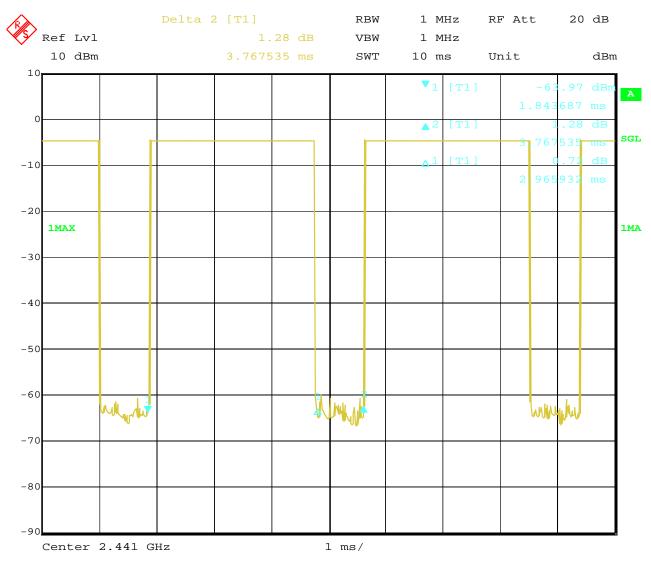
This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Page 49 of 94

Test Plots: DH5



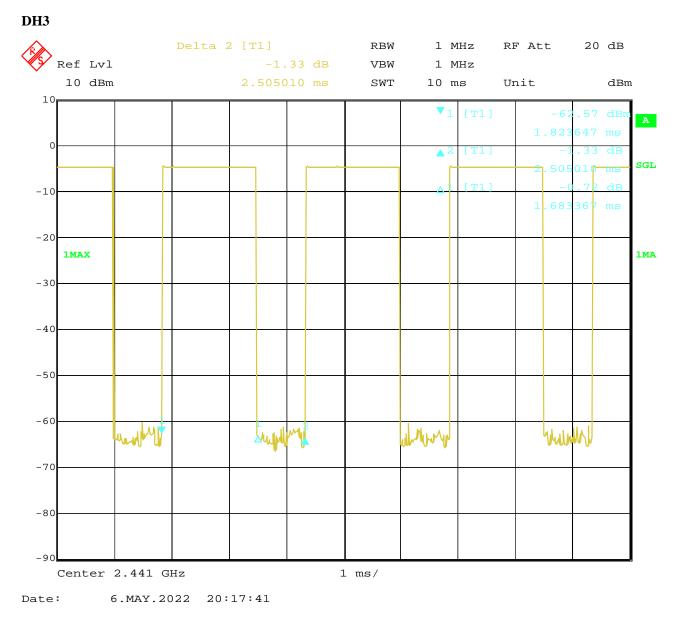
Date: 6.MAY.2022 20:22:32

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced ratified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Page 50 of 94

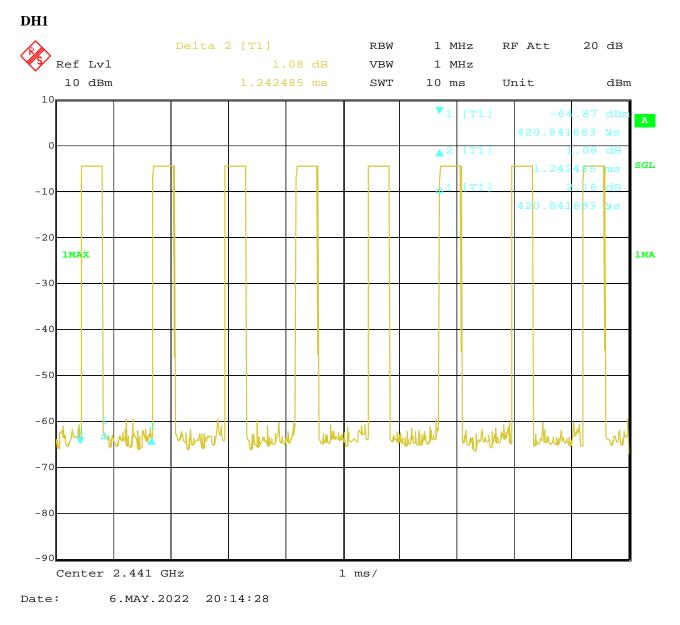


The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced ratified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Page 51 of 94



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test Result

Type of Modulation: Л/4DQPSK

EUT		Tablet PC	Mod	el		K13			
Mode	Kee	p Transmitting	Input Voltage		DC3.7V				
Temperatur	e	24 deg. C,				56% RH			
Channel	Reading	Hoping Rate		Ac	tual	Limit			
2DH5									
Middle	2.926ms	266.667 hop/s		0.312s		0.4s			
		2DH3							
Middle	1.703ms	400 hop/s		0.272s		0.4s			
		2DH1							
Middle	0.441ms	800 hop/s		0.1	41s	0.4s			

Actual = Reading × (Hopping rate / Number of channels) × Test period, Test period = 0.4 [seconds / channel] × 79 [channel] = 31.6 [seconds] NOTE: The EUT makes worst case 1600 hops per second or 1 time slot has a length of 625µs with 79 channels.

A DH5 Packet needs 5 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 266.667 hops per second with 79 channels.

A DH3 Packet needs 3 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 400 hops per second with 79 channels.

A DH1 Packet needs 1 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 800 hops per second with 79 channels.

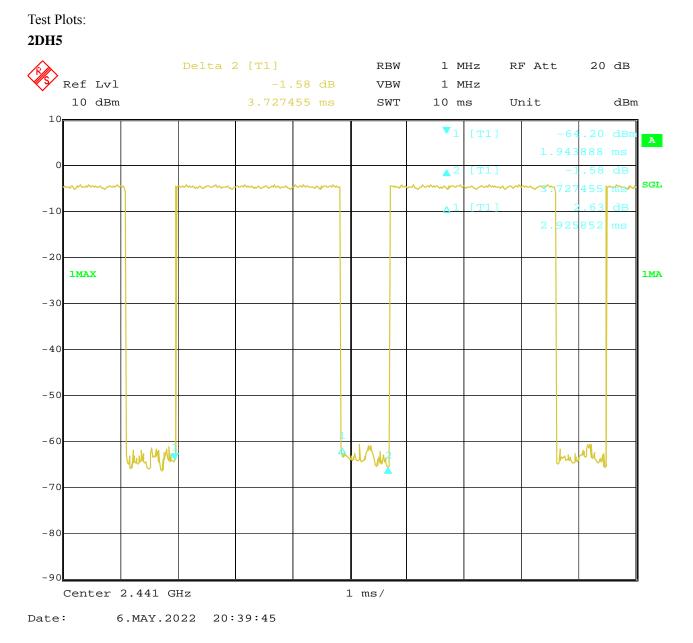
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Page 53 of 94



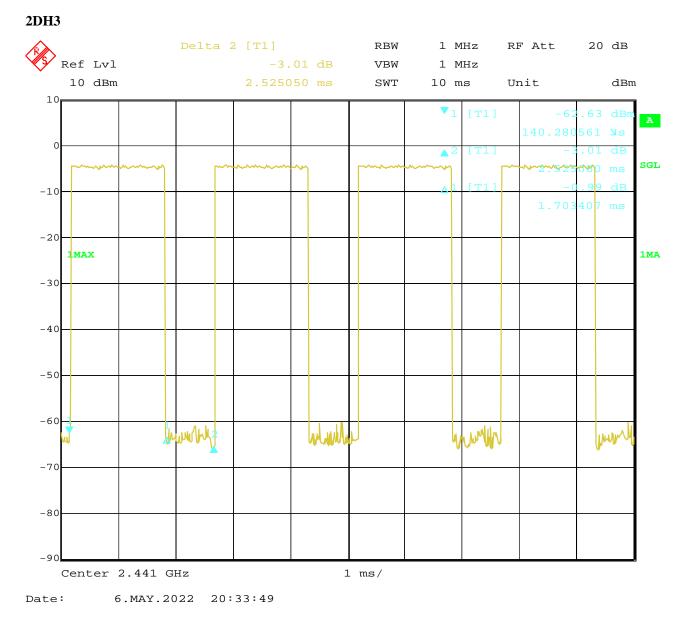
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Page 54 of 94

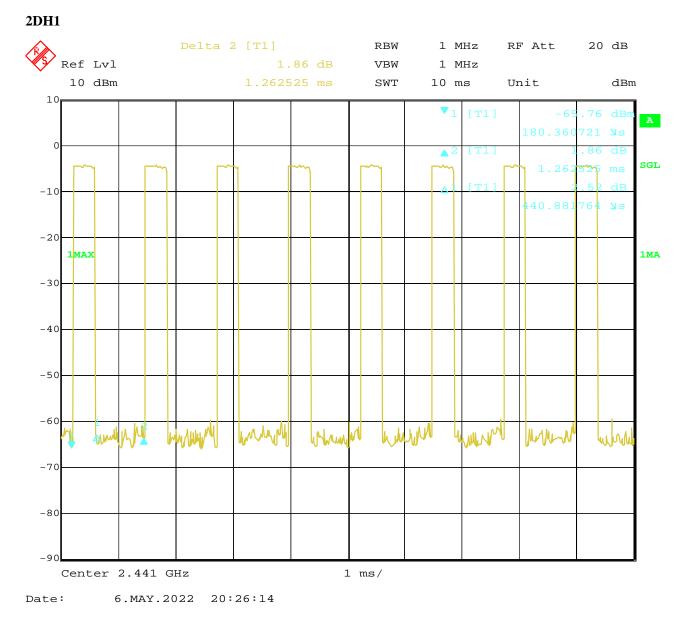


The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Page 55 of 94



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced ratified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Type of Modulation: 8DPSK

EUT		Tablet PC	Mo	del		K13				
Mode	Ke	ep Transmitting	Input Voltage			DC3.7V				
Temperature	;	Humi	Humidity		56% RH					
Channel	Reading	Hoping Rate		Act	tual	Limit				
	3DH5									
Middle	2.946ms	266.667 hop/s		0.3	14s	0.4s				
		3DH3								
Middle	1.703ms	400 hop/s	0.272s		72s	0.4s				
		3DH1								
Middle	0.441ms	800 hop/s		0.141s		0.4s				

Actual = Reading × (Hopping rate / Number of channels) × Test period, Test period = 0.4 [seconds / channel] × 79 [channel] = 31.6 [seconds] NOTE: The EUT makes worst case 1600 hops per second or 1 time slot has a length of 625μ s with 79 channels.

A DH5 Packet needs 5 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 266.667 hops per second with 79 channels.

A DH3 Packet needs 3 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 400 hops per second with 79 channels.

A DH1 Packet needs 1 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 800 hops per second with 79 channels.

The report refers only to the sample tested and does not apply to the bulk.

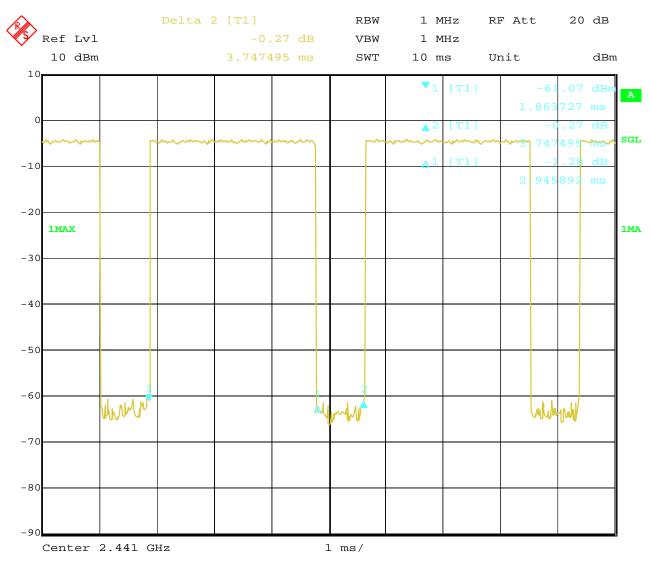
This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Page 57 of 94

Test Plots: **3DH5**



Date: 6.MAY.2022 20:53:43

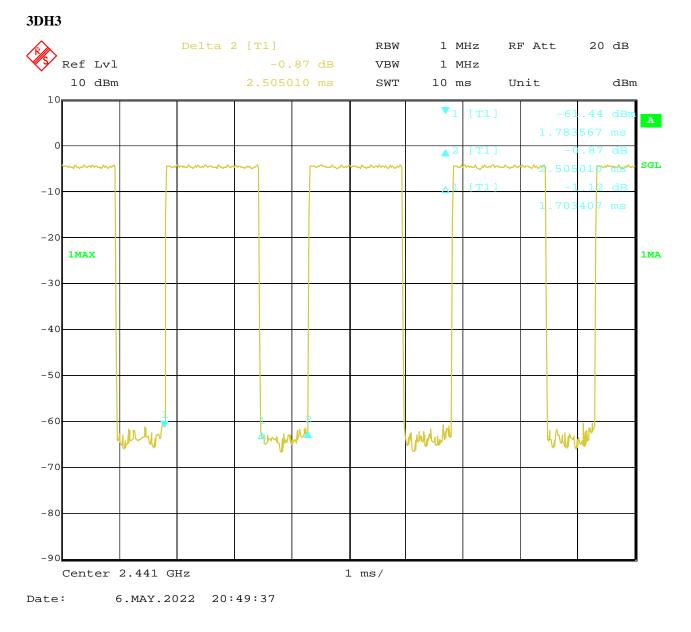
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Page 58 of 94



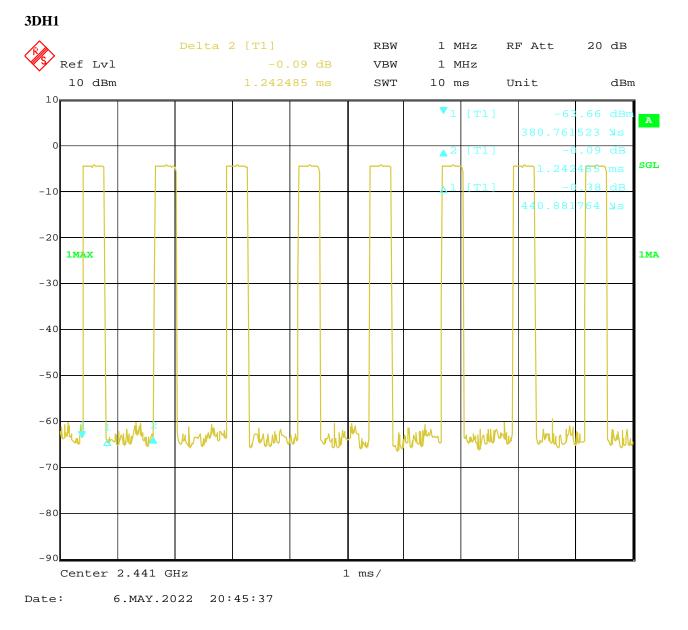
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Page 59 of 94



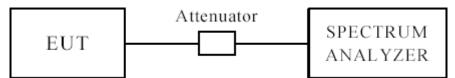
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced ratified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



12 Out of Band Measurement

12.1 Test Setup



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

12.2 Limits of Out of Band Emissions Measurement

- 1. Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

12.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of radiated emission test. Peak values with RBW=VBW=1MHz and PK detector.

For bandage test, the spectrum set as follows: RBW=100kHz, VBW=300 kHz. A conducted measurement used

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Type of Modulation: GFSK

12.4	Band	Edge	Test R	esult
------	------	------	--------	-------

Product:		Tablet PC]	Test Mode:	KI	3	
Mode	Keepi	ng Transmitting	Ι	nput Voltage	DC3	.7V	
Temperature		24 deg. C	ł	Humidity	56% RH		
Test Result:		Pass	Ι	Detector	PI	K	
Fest Figure:							
k A	Marker	1 [T1]	RBW	100 kHz	RF Att	20 dB	
📕 Ref Lvl		-5.31 dBm	VBW	300 kHz			
10 dBm	:	2.40194389 GHz	SWT	15 ms	Unit	dBm	
				▼1 [T	- [1]	5.31 dBm	
					2.40194	1389 GHz	
0				▼2 [T	1	3.55 dBm	
				∇ 3 [T		000 GHz	
-10				▼ ₃ [T		6.21 dBm 0000 GHz	
					2.3900	JUUU GHZ	
-20							
1MAX						:	
-30							
-40							
- 50							
- 50						Jak	
						MAK	
-60				3		V.	
Mahlemarton	Munman	melinghum	nhula	mittel	-mlinner		
-70							
-80							
-90							
Start 2.3	5 GHz	б М	IHz/		Stop 2	2.41 GHz	

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Type of Modulation: GFSK

12.4 Band Edge Test Result

Product:		olet PC		Test Mode:	K13		
Mode	Keeping	Transmitting		Input Voltage	DC3.7V		
Temperature	24	deg. C,		Humidity	56% RH		
Test Result:		Pass		Detector	РК		
st Figure:							
Ref Lvl	Marker	1 [T1] -5.45 dBm	RBW VBW	100 kHz RF 300 kHz	Att 20 dB		
10 dBm	2	2.47985972 GHz	SWT	7.5 ms Un	it dBm		
10				▼1 [T1]	-5.45 dBm A		
0				▼2 [T1]	-64.79 dBm 2.48350000 GHz		
-10							
-20					1MA		
-30							
-40							
-50							
-50	٨	Ч					
-60 -60	malund	hun 2	man	mhumm	mannen		
-70							
- 80							
-90							
Start 2.4	7 GHz	3 M	Hz/		Stop 2.5 GHz		

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with party concerning the constant of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Type of Modulation: GFSK

Band Edge Test Result 12.4

Product:	Tablet PC		Test Mode:	K	.13
Mode	Hopping On		Input Voltage	e DC	3.7V
Temperature	24 deg. C,		Humidity	56%	% RH
Test Result:	Pass		Detector	I	РК
Test Figure:					
A	Marker 1 [T1]	RB	W 100 kH	z RF Att	20 dB
Ref Lvl	-5.39 d	Bm VB	W 300 kH	z	
10 dBm	2.40987976 G	Iz SW	T 15 ms	Unit	dBm
10			▼1 ([T1] –	5.39 dBm
			- 1	2.4098	2
0			₹2 [[T1] -6	4.64 dBm
				2.4000	0000 GHZ
-10			▼3 [[T1] -6	<u>5.72 dBn</u>
				2.3900	0000 GHz
-20					
1MAX					11
-30					
-40					
-50					
-60					
man make man	and and a meneral along	in heremen	Mun Stram	mmankund	
-70		· ·			
-80					
-90					2 41 611-
Start 2.35 GH2	022 18:46:34	5 MHz/		Scop	2.41 GHz

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdice which may be operarentiate.



Type of Modulation: GFSK

Band Edge Test Result 12.4

Product:		Tablet PC Hopping On			Test Mo		K13			
Mode		Hopping On 24 deg. C,			Input Vo	ltage	D	C3.7V		
Temperature					Humid	lity	56% RH			
Test Result:		Pass			Detect	tor		РК		
Test Figure:										
	Mark	er 1 [T1]		RBW	100 k	Hz	RF Att	20 dB		
Ref Lvl		-5	.54 dBm	VBW	300 k	Hz				
10 dBm		2.47486	974 GHz	SWT	7.5 m	ເຮ	Unit	dBm	n	
10					v ₁	[T1]	- 5	.54 dBm]_	
							2.47486	974 GHz	Z	
0	1				₹2	[T1]	-65	.37 dBm	c	
I M M M I	winnn	nnn					2.48350	000 GHz	5	
-10	┼┼┼╢┼╲┼									
-20										
									11	
-30									-	
-40										
-50		4								
-50										
-60		- V	2							
			man	L.M.	monum	mul	hanner	munch	1	
-70										
									1	
-80									1	
									1	
-90			3 M						2	

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdice which may be operarentiate.



Type of Modulation: Л/4DQPSK

12.4 Out of Band Test Result

roduct:	Tablet PC		Test Mode:	K13
lode	Keeping Transmi	itting	Input Voltage	DC3.7V
emperature	24 deg. C		Humidity	56% RH
est Result:	Pass		Detector	РК
est Figure:				
	Marker 1 [T1]	RBW	100 kHz RF	Att 20 dB
Ref Lvl		17 dBm VBW	300 kHz	
10 dBm	2.4019438	89 GHz SWT	15 ms Un	it dBm
10			▼1 [T1]	
				-6.17 dBm 2.40194389 GHz
0			<u>▼2 [T1]</u>	-59.86 dBm
				$12.40^{1}_{00}000$ GHz
-10			▼ ₃ [T1]	-65.00 dBm
10			2	2.39000000 GHz
-20				
1MAX				1MA
-30				
-40				
5.0				
-50				1.1.11
-60			3	7
mound	en un man mar mar mar and mar and marked	nom marine	mutimenterment	N
-70				
-80				
-90		6 MHz/		Stop 2.41 GHz

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with party concerning the constant of the sentence.

discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Type of Modulation: Л/4DQPSK

Band Edge Test Result 12.4

Product:	Tablet PC					st Mode:		K13			
Mode	Ke	Keeping Transmitting			Inp	ut Voltage	e	DC3.7V			
Temperature		24 deg.	С,		Н	umidity		56% RH			
Test Result:		Pass			Ľ	Detector		РК			
est Figure:											
k de la constanción de la constancición de la constanción de la constanción de la constanción de la co	Marker	1 [T1]		RBW	100	kHz	RF Att	20 dB			
Ref Lvl		-6.	44 dBm	VBW	300	kHz					
10 dBm	2	2.479859	72 GHz	SWT	7.5	ms	Unit	dBm			
10					▼ -	1 [T1]	_	6.44 dBm			
							2.4798		A		
0						2 [T1]	- 6	4.80 dBm			
		1					2.4835	000 GHz			
-10		<u> </u>									
		MY									
-20		•									
1MAX									1M2		
-30											
-40											
		N Y									
-50	A										
	· · · · · · · · · · · · · · · · · · ·	v									
-60		L									
No and In- dam AALAM	unand		My Z MA	m. Mu	Morton		ه . هر امار	A			
-70			v . A . A . A . A . A . A . A . A . A .		∿ ≁ QmW			man Mar			
- / 0											
-80											
-90			3 M					2.5 GHz			

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with party concerning the constant of the sentence.

discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Type of Modulation: Л/4DQPSK

Out of Band Test Result 12.4

Product:		Tablet PC	2		Test N	lode:		K13	
Mode		Hopping C)n		Input V	oltage	Γ	DC3.7V	
Temperature	24 deg. C, Pass				Humidity Detector		56% RH		
Test Result:								РК	
Test Figure:									
6	Marker	1 [T1]		RBW	100 k	KHZ F	RF Att	20 dB	
Ref Lvl		-6.	.14 dBm	VBW	300 k	KHZ			
10 dBm		2.409879	976 GHz	SWT	15 n	ns l	Jnit	dBn	n
10					▼1	[T1]		6.14 dBm	
						[]]	2.4098		
0					₹2	[T1]	-6	3.48 dBm	n
							2.4000	0000 GH2	
-10					▼3	[T1]	44	5.22 den	ņ
							2.3900	gbac levely	
								U	
-20									1
									1
-30									
-40									
-50									_
-60									
-00		1		1	3		1		
millender	hermon	Munin	man	Manne	mall with	mmm			
-70									1
-80									-
-90									
Start 2.35 GH	z		6 M	Hz/			Stop 2	2.41 GHz	z

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdice which may be operarentiate.



Type of Modulation: Л/4DQPSK

Out of Band Test Result 12.4

Product:		Tablet PC	2		Test N	Iode:]	K13	
Mode]	Hopping C	On		Input V	/oltage	DC	C3.7V	
Temperature		24 deg. C, Pass			Hum	idity	56% RH		
Test Result:		Pass			Dete	ctor		РК	
Test Figure:									
<u>k</u>	Marker	1 [T1]		RBW	100]	cHz R	F Att	20 dB	3
Ref Lvl			.51 dBm	VBW					
10 dBm 10	2	2.476853	371 GHz	SWT	' 7.5 r	ns U	nit	dB	ßm
10					v 1	[T1]	- 6	.51 dB	m 🗾
							2.47685	371 GH	
0	1				₹2	[T1]	-64	.73 dB	
	hu ha ha 🖡 🖡 ha M	u h					2.48350	000 GH	z
-10		\square							
-20									
1MAX									11
-30									_
-40									
-50		4							
50		V							
-60			Unž						
		v	Ullians	nhound	um	harrow	montan	aldere	2
-70									-
-80									
-90									
Start 2.4	7 GHz		3 M	IHz/			Stop	2.5 GH	z
Date: 6.M	MAY.2022 18:	27:44							

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts accented to the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Type of Modulation: 8DPSK

12.4 Band Edge Test Result

Image: Second	K13
Itest Result: Pass Detector Rest Figure: Marker 1 [T1] RBW 100 kHz RF Att No 0 -6.16 dBm VBW 300 kHz SWT 15 ms Unit 10 0 11 [T1] -cd. 2.40194389 GHz SWT 15 ms Unit 10 1 11 11 -cd. 2.40194389 GHz SWT 15 ms Unit 10 1 1 11 -cd. 2.40194389 GHz SWT 15 ms Unit 10 1 1 11 -cd. 2.40194389 GHz 2.40194389	OC3.7V
Rest Figure: Marker 1 [T1] RBW 100 kHz RF Att 10 dBm 2.40194389 GHz SWT 15 ms Unit 10 11 [T1] -d. 2.401943 10 11 [T1] -d. 2.401943 10 11 [T1] -d. 2.401943 10 12.401943 72 [T1] -d. 10 72 [T1] -d. 2.401943 -10 73 [T1] 65 2.401943 -10 73 [T1] 65 2.301000 -20 1MAX 11 [T1] -d. -30 10 11 [T1] -d. -60 10 10 [T1] 10 [T1] -60 10 [T1] 10 [T1] 10 [T1]	6% RH
Marker 1 [T1] RBW 100 kHz RF Att Ref Lv1 -6.16 dBm VBW 300 kHz 10 dBm 2.40194389 GHz SWT 15 ms Unit	РК
Ref Lvl -6.16 dBm VBW 300 kHz 10 dBm 2.40194389 GHz SWT 15 ms Unit 10 VI (T1) -6. -6. 0 VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
10 dBm 2.40194389 GHz SWT 15 ms Unit 10 dBm 1 [T1] -4. 2.401943 0 1 [T1] -6. 2.401943 0 2 [T1] -6. 2.401943 -10 72 [T1] -6. 2.40000 -10 73 [T1] 65. -20 IMAX 10 10 -30 10 10 10 10 -50 10 10 10 10 -60 10 10 10 10 -60 10 10 10 10 -60 10 10 10 10 -60 10 10 10 10	20 dB
10 1 [T1] 0 2.401943 -10 72 [T1] -63. -10 73 [T1] 65. -20 73 [T1] 65. -30 -30 -30 -40 -40 -40 -50 -60 -60 -60 -60 -60	
0 1 [T1] e- 0 2.401943 0 2.40000 -10 73 [T1] -20 2.39000 1MAX 1 1 -30 1 1 -40 1 1 -50 1 1 -60 3 1 -40 1 1 -50 1 1 -60 3 1	dBm
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	16 dBm
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	A Revealed A Reve Revealed A Revealed A Reve
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	68 dBm
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	00 GHz
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	70 dBm
-30 -40 -50 -60 -60	00 GHz
-30 -40 -50 -60 -60	
-40 -50 -60 -60 -60	1MA
-50 -60 -60 -60	
-50 -60 -60 -60	
-60	
-60	
In manufacture and the manufacture and the second a	
mannen were all and the second and t	VILLOV
mannen were all and the second and t	
-80	
-90 Start 2.35 GHz 6 MHz/ Stop 2.	

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdice which may be operarentiate.



Type of Modulation: 8DPSK

12.4 Band Edge Test Result

Product:	Tablet PC				Tes		K13		
Mode	Keeping	g Transmit	ting		Inpu	ıt Voltag	je	DC3	.7V
Temperature	24	deg. C,			Hu		56%	RH	
Test Result:		Pass			D	etector		PF	ζ
st Figure:									
Ref Lvl 10 dBm	Marker		.43 dBm 972 GHz	RBW VBW SWT	100 1 300 1 7.5 1	kHz	RF Att Unit	20 dB dBi	
10		1			▼1 ▼2	[T1]		-64.71 dBr	m
-10		Å.					2.483	350000 GH2	3
-20 1MAX -30									1 MA
-40									-
-50									-
-60 -70	hummente		Murtumu	manun	when	mana	man	unum	
-80									
-90				Hz/				2.5 GH2	

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts accented to the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Type of Modulation: 8DPSK

Band Edge Test Result 12.4

Product:				Test M	Mode:		ŀ	K13		
Mode	Hopping On				Input V	Voltage		DC	C3.7V	
Temperature		24 deg. C,			Hum		56% RI			
Test Result:		Pass			Dete	ector]	PK	
Test Figure:				•			•			
\wedge	Marker	1 [T1]		RBW	100 k	Hz	RF At	t 2	20 dB	
Ref Lvl			.11 dBm	VBW	300 k					
10 dBm		2.405911	L82 GHz	SWT	15 m	າຮ	Unit		dBn	n
10					-					1
					▼1	[T1]			.1 dBm	1
0					▼2	[[[]]	2.4	059118	2 GHz	1
					12	[T1]	2.4	-02.0	о авш 1 П СН7	
1.0					▼3	[T1]	2.1	Adalh		
-10							2.3	9000000	C GH2	
									U* U	
-20										-
1MAX										1
-30										_
-40										
-40										
-50										-
-60										-
mmun	man	meliten	mmm	mmm	m-unite	mm	mand			
-70										
										1
										I
-80		1								1
-90										l
Start 2.35	GHz		6 M	Hz/			St	op 2.4	1 GHz	

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdice which may be operarentiate.



Type of Modulation: 8DPSK

Band Edge Test Result 12.4

Product:		Tablet PC			Test M	lode:	_	K13	
Mode	H	Hopping On 24 deg C			Input V	oltage	DC3.7V		
Temperature		24 deg. C,			Humi	dity	56	5% RH	
Test Result:		Pass			Dete	ctor		РК	
Test Figure:									
	Marker	1 [T1]		RBW	100 k	Hz RF	'Att	20 dB	
Ref Lvl		-6.4	47 dBm	VBW	300 k	Hz			
10 dBm		2.479859	72 GHz	SWT	7.5 m	ns Ur	it	dBn	m
10					v ₁	[T1]	-6	.47 dBm]
					_		2.47985		z
0					₹2	[T1]	-65	.29 dBm	n
ا باي من م							2.48350	000 GHz	Z
-10	<u> </u>								_
	44444	44							
-20									
-30									-
-40									-
		4.							
-50		4							-
-60			2						
			haven	mehnom	mound	Mund	www.	Munth	^
-70									-
									I
-80									-
									I
-90									

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdice which may be operarentiate.



EUT		Tablet PC			Model			K13		
	Mode	Keep Transmitting				Input Voltage			DC3.7V	
Temperature			24 deg. C,			Humidity			56% RH	
Test Result:			Pass			Modulation Type			8DP	SK
Part 1 1.0E+:	15C Class B 1GHz-18GHz 2-	-2								
9 8 7 6	10 -									
	.0-						1.11			
5	^{10 -} Huselikin and scherschaftanist	hei yhdisare a saladoo dalaa daafaa aa	n water in the state of the state	nyd lann dolpalogapisa.odconsorie	and a construction for a construction of the c	M1	ator of the state	the last start from the second		
5	10 - <mark>4 </mark>	ndes gladesare og sydratelskad for skraperne og	na salad gina da Yana Salad	ngel å der en de sløpelensjonste omkensjonste	and an and the state of the sta	MI	eroleduction	the all states of the second		Averby weite
5 4 3 2	10 - <mark>11 - 11 - 11 - 11 - 11 - 11 - 11 -</mark>	hili yildasoo ay solaadii alaa saasii a	n and serve the first and the	ng d Linen de Nasilen gesta a destrucció		M1	erole de la constante de	in the section of		Newlogantie
5 4 3 2 1	10 - q , , , , , , , , , , , , , , , , , ,	httyddiaene ay adoddd offan ysgynnysg	₩₩₩¢¢¢¢¢₩₩¢¢¢¢v≈s,k.¢	ngi libern de blocksegensegenskessegenske		M1	erok hali hal	the desired of the second		
5 4 3 2 1 1	10 - q , , , , , , , , , , , , , , , , , ,	hig falser og selver hil eller stædstærer	**************************************	ng d blev val bles to best optisk sets sets sets sets sets sets sets se	Frequency (MHz)	M1	arode de al tradeción de la constante de	te dati segjernin		2410
5 4 3 2 1 1	0	Results	Factor	Limit	Frequency (MHz)	Detector	Table	Height	ANT	2410
5, 4, 3, 2, 1, 0,,	0	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	· ·	n, ad ni ni da ni da n	Table (o)	Height (cm)		

Note: The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

adopt any other remedies which may be appropriate.



EUT		Tablet PC			Model			K13		
	Mode	Keep Transmitting			Input Voltage		DC3.7V			
Temperature		24 deg. C,			Humidity			56% RH		
Test Result:			Pass			Modulation Type			8DPSK	
Part 1 1.0E+	15C Class B 1GHz-18GHz 2-	-2								
9	0-									
8	0-							- A	\backslash	
7	0-								1	
6	0-							/	<u>\</u>	
									\rightarrow	
5	0-									
4	0- Alexandrowneed and the	an the second state and the second state states of the second states and the second states are and the second s	بالنبار الدفعه كالمتعظوم والاور والمعاد	unghandhe jang dender jarle i den an	energia de la d	M1	e get oper twee start and the species of the	the second second		House
3	0-									
3										
	0-									
2 1 0.	0									2410
2 1 0.	0			Fr	equency (MHz)					2410
2 1 0.	0	Results	Factor	Fr Limit	equency (MHz)	Detector	Table	Height	ANT	
2 1 0.	0	Results (dBuV/m)	Factor (dB)	1		Detector	Table (o)	Height (cm)	ANT	2410 Verdic

Note: The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

adopt any other remedies which may be appropriate.



12.4 **Restrict Band Measurement**

	EUT		Tał	olet PC			Model		K13	
	Mode		Keep Transmitting			Inj	Input Voltage		DC3.7V	
Te	emperature		24 deg. C,			1	Humidity		56% RH	
Те	est Result:]	Pass		Mod	ulation T	`ype	8DPS	Κ
2 Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
	0-		. 1771/1	۹.						
8	30 -		N	N.						
7	70-		d	Ny I						
6	50 -	,	/							
5	50-			4						
л	10 - مالى السالية المالية مريم والحارية المالية المراجعة (had a supplicity of a straightform of the state of the straightform of the state of		×.	n an	جايلتوانوازواركايو ^{ار} دادر اجتراب	hada aladistas estelateira (a. 197	aliferini ana in minana milana	new constants of the state of the state of the state of the	littige fin
4										
	30-									
3	and a state of the state of the									
3	30-									
3 2 1 0.	10									
3 2 1 0.	10- 10- 10-			2483.5	Frequency (MHz)					2500
3 2 1 0.	10	Results	Factor			Detector	Table	Height	ANT	2500 Verdict
3 2 1 0.	00- 00- 00- 2470	Results (dBuV/m)	Factor (dB)	1	Frequency (MHz)	Detector	Table (o)	Height (cm)	ANT	[

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



12.4	Restrict Band Measurement
------	---------------------------

	EUT		Tab	let PC			Model		K1	3
	Mode	Keep Transmitting			Input Voltage			DC3.7V		
Te	mperature	24 deg. C,			Humidity			56% RH		
Te	est Result:		Р	ass		Modu	ilation Ty	/pe	8DP	SK
Part 1 1.0E+:	5C Class B 1GHz-18GHz	-2								
90	0-									
8	0-		M	h l						
70	0-			·\						
6	0-		_/`	N.						
			N	L						
			(*)	4						
50	0-			1						
50 40		Alexense in the second seco	ſ	the second	องมาโรงสี่งงารใจเป็นเป็นแต่งเรา	and a many series of the last series	enne nyrrethantration kom	have been provided from the second	يىلىر ئىرىكىيە كەركىيىلىرىكىيى تەركىيىلىرىكىيى بىلىرىكىيى بىلىرىكىيى بىلىرىكىيى بىلىرىكىيى بىلىرىكىي	a.tr.pedda#44
	0-	alionalistic and a second decision of the	ſ		an falu da an	and an and the second second	interne steps of the off state of the boots	han an filmen firstoof filme an an	skyster bei bei stad stad stad stad stade och	s.it.add##
40	0 - <mark>harmytty by by de businelitersonerseiher</mark> 0 -	akonsistenen konsisten konsiste	ſ	- ma	nalstal-strikkerste	akannan saidan m	anna seora than tao da an d	ha sa di na genteritati a da seriente	skarastati ta ta kata kata kata kata kata kata	uisedd a i
44 34 24	0- <mark>44-4,⁴4-4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,</mark>	international and the second	ſ		aadababababababababababa	ะประมารระการเป็นไป 14 เมษ	1999 - Sey v. Halon (J. 1993) - Balan (J. 1994)	haan, dinac provident far shares	skotatelistetetetetetetetetete	uisyddad
41 31	0- <mark>44-4,⁴4-4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,</mark>	akorasterandorando	<u></u>		on feilin frankrik stören stören stören stören stören stören stören stören störe störe störe störe störe störe	ahaansa ta'aa a	une an distance in	han, fina, fini yenter figa sherra	ndarðar fræði fræði er skriftar af fræði er skriftar af fræði er skriftar af fræði er skriftar af fræði er skri	sitesteri
41 31 20 10	0- <mark>44-4,⁴4-4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,</mark>	unio con desta constante de la		2483.5		oblanting to be a	zee, ey, ilde te dee	Lase Brie Brief	uka ka Angang Proke - n 	2500
41 31 20 10	0- 44445WWW46.b.44444444444444444444444444444444		Factor	2483.5 Fr	zquency (MHz)				1	2500
44 36 20 10	0- 	Results	Factor	2483.5 Fr	equency (MHz)	Detector	Table	Height	ANT	
41 31 20 10	0- 44445WWW46.b.44444444444444444444444444444444		Factor (dB) -3.57	2483.5 Fr	zquency (MHz)				1	2500

Note: 1. For Restricted band test, only the worst case was reported and GFSK was the worst case

The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

adopt any other remedies which may be appropriate.



13.0 Antenna Requirement

13.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

13.2 Antenna Connected constructions

Integral antenna used. The gain of the antennas is 0.8dBi (Declared by the applicant)

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



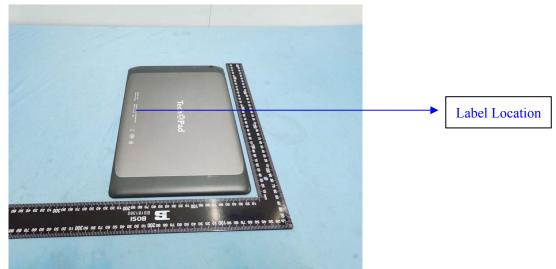
14.0 FCC ID Label

FCC ID: RBD-K13

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



15.0 Photo of testing

Conducted Emission Test Setup:



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Radiated Emission Test Setup:



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Outside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate





The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Page 83 of 94

Outside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



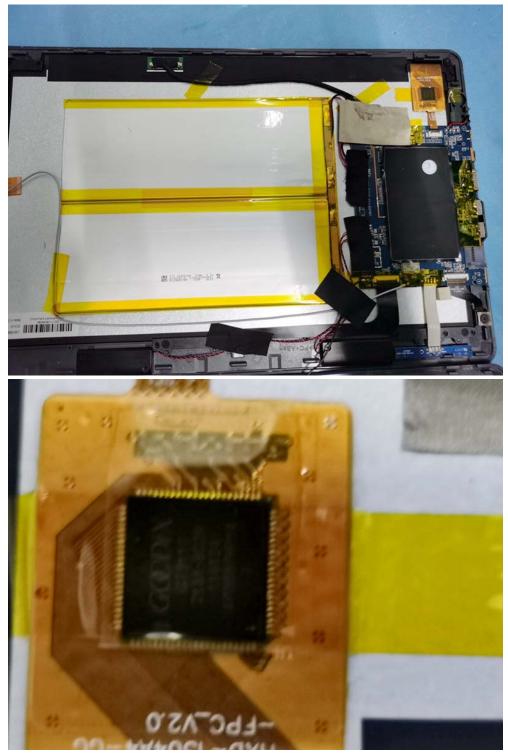
Inside view



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Inside view



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Inside view

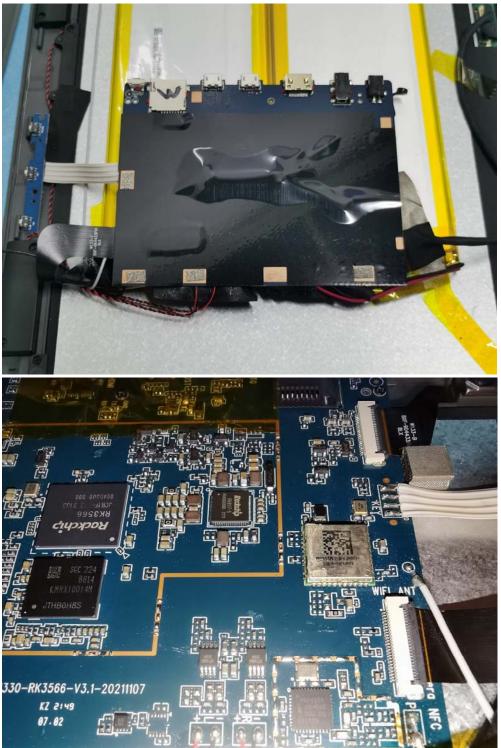


The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Page 87 of 94

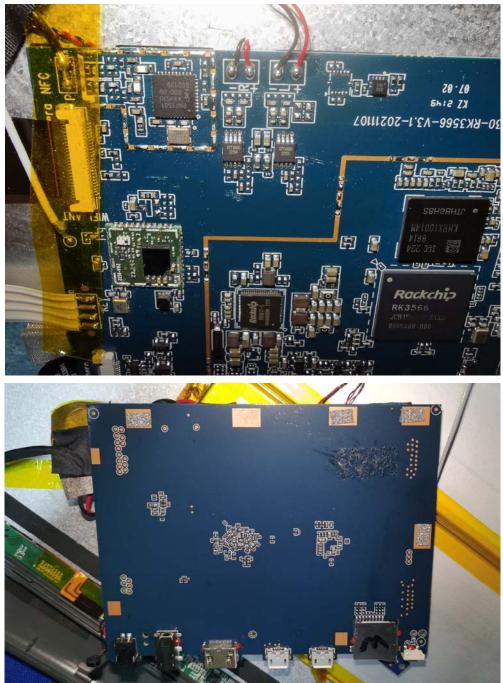
Inside view



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



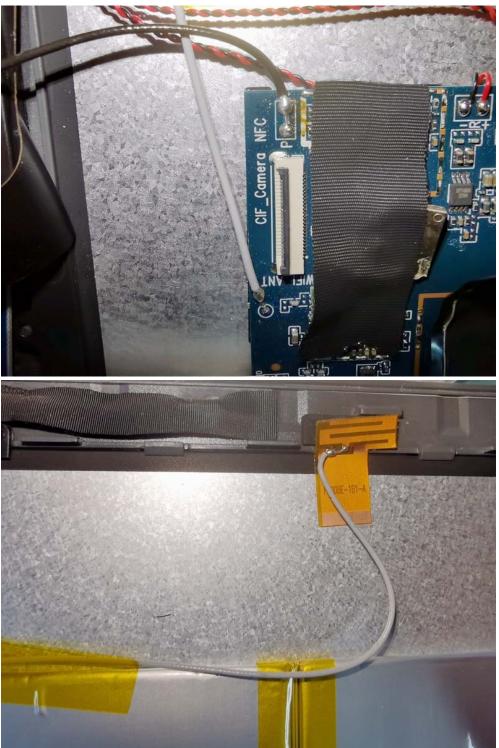
Inside view



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate

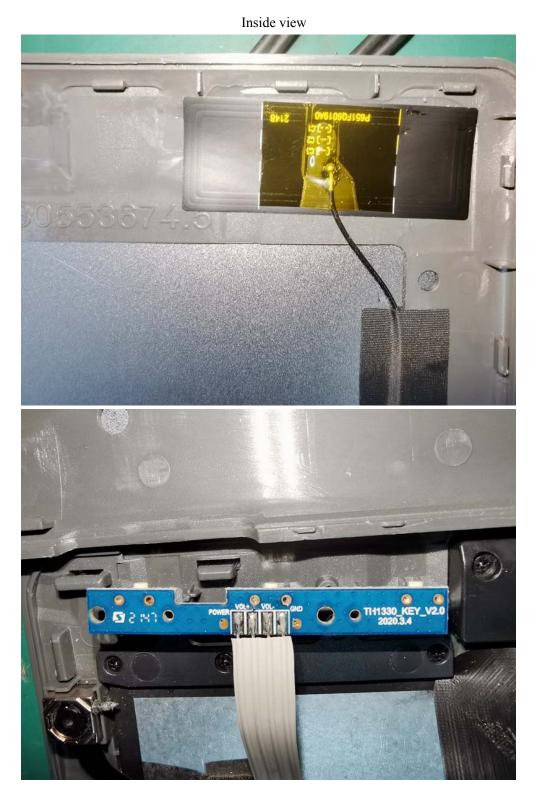


Inside view



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate





The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Inside view

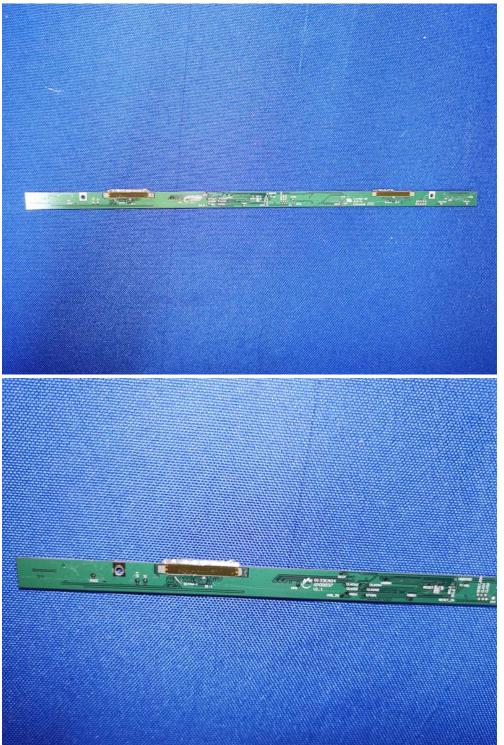


The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to advert any other transdices which may be operarentiate.



Inside view

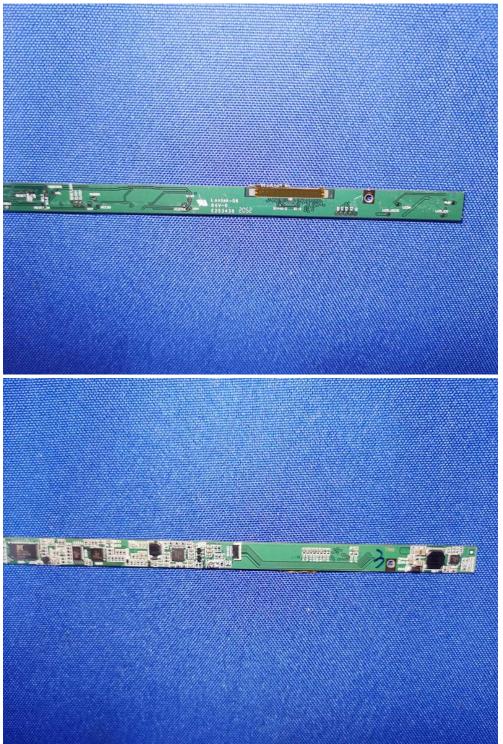


The report refers only to the sample tested and does not apply to the bulk.

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of accented and one with parts and the sentence of the sentence. discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



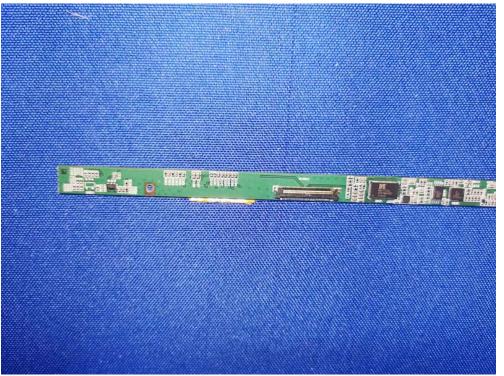
Inside view



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate



Inside view



End of Report

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate