

Report No.: TW2203329-02E File Reference No.: 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 Tong

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

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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 meet with ISO/IEC-17025 requirements, which is approved by CNAL. 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

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: 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, China

Telephone: (755) 83448688 Fax: (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

Product: Tablet PC

Manufacturer: Shenzhen Jingwah Information Technology Co., Ltd.

Address: 6F, Bldg.4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community,

Huaqiangbei, Futian District, Shenzhen

Trademark: TechPad
Additional Trademark: N/A
Model Number: K13
Additional Model Number: N/A

Hardware Version: TH1330-RK3566-V3.1

Software Version: Android 11 Serial No.: JK132203000001~UP

Type of Modulation GFSK (Bluetooth BLE)

Frequency range 2402-2480MHz Frequency Selection By software

Channel Number 40

Rating: DC3.7V, 3A

Battery: DC3.7V, 10000mAh Li-ion battery
Power Supply: Model: TPQ-228F050300UW01;

Input: $100-240V \sim$, 50/60Hz, 0.5A; Output: DC3.7V, 3A

1.4 Submitted Sample: 2 Samples

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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

The sample tested by

Print Name: Andy Xing

Date: 2022-05-10



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.

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3.0 Technical Details

3.1 Summary of test results

Standard	Test Type	Result	Notes
CCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
	Spectrum bandwidth of a	Pass	Complies
FCC Part 15 Subpart C	Orthogonal Frequency		
Paragraph 15.247(a)(2) Limit	Division Multiplex System		
raragraph 15.247(a)(2) Linin	Limit: 6dB		
	bandwidth>500kHz		
FCC Part 15, Paragraph	Maximum peak output	Pass	
15.247(b)	power		Complies
13.247(0)	Limit: max. 30dBm		
FCC Part 15, Paragraph 15.205	Transmitter Radiated	Pass	Complies
& 15.209	Emission		
	Limit: Table 15.209		
FCC Part 15, Paragraph	Power Spectral Density	Pass	Complies
15.247(e)	Limit: max. 8dBm		
FCC Part 15, Paragraph	Out of Band Emission and	Pass	Complies
15.247(d)	Restricted Band		
	Radiation		
	Limit: 20dB less than		
	peak value of fundamental		
	frequency		
	Restricted band limit:		
	Table 15.209		

3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

4.0 EUT Modification

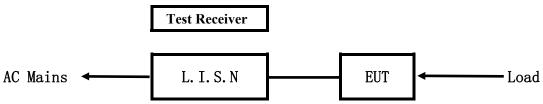
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

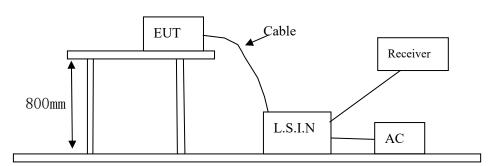


EUT: Equipment Under Test

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	K13	RBD-K13
Tablet FC	Technology Co., Ltd.	KIS	KDD-K13

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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

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 ~ 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.

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

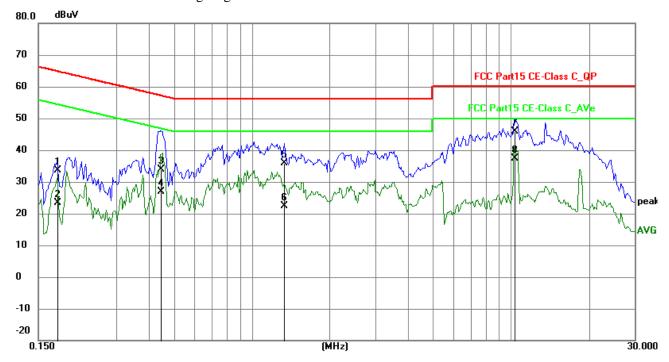
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep Bluetooth Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1773	23.74	9.77	33.51	64.61	-31.10	QP	Р
2	0.1773	13.52	9.77	23.29	54.61	-31.32	AVG	Р
3	0.4464	24.18	9.77	33.95	56.94	-22.99	QP	Р
4	0.4464	17.14	9.77	26.91	46.94	-20.03	AVG	Р
5	1.3356	26.11	9.79	35.90	56.00	-20.10	QP	Р
6	1.3356	12.54	9.79	22.33	46.00	-23.67	AVG	Р
7	10.3047	35.73	10.17	45.90	60.00	-14.10	QP	Р
8	10.3047	27.32	10.17	37.49	50.00	-12.51	AVG	Р

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

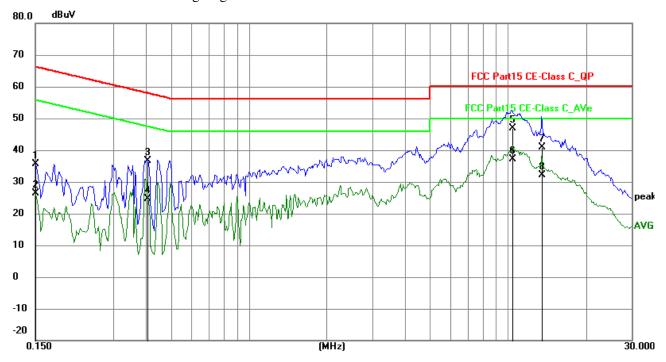
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep Bluetooth Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1500	25.80	9.79	35.59	66.00	-30.41	QP	Р
2	0.1500	16.62	9.79	26.41	56.00	-29.59	AVG	Р
3	0.4074	26.94	9.76	36.70	57.70	-21.00	QP	Р
4	0.4074	14.92	9.76	24.68	47.70	-23.02	AVG	Р
5	10.3749	36.69	10.18	46.87	60.00	-13.13	QP	Р
6	10.3749	26.83	10.18	37.01	50.00	-12.99	AVG	Р
7	13.5222	30.52	10.31	40.83	60.00	-19.17	QP	Р
8	13.5222	21.91	10.31	32.22	50.00	-17.78	AVG	Р

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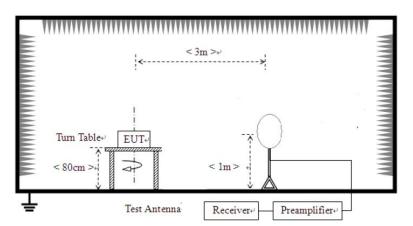


6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) 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 25 GHz 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=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS 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



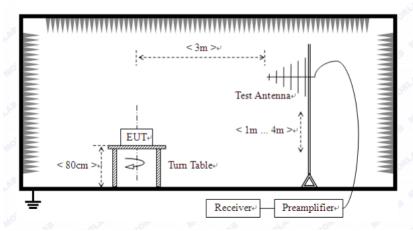
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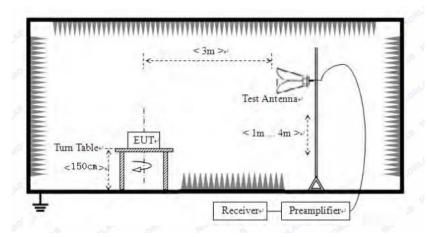
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For radiated emissions from 30MHz to1GHz



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:

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Frequencies in restricted band are complied to limit on Paragraph 15.209

	1	G 1
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

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.

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Test result

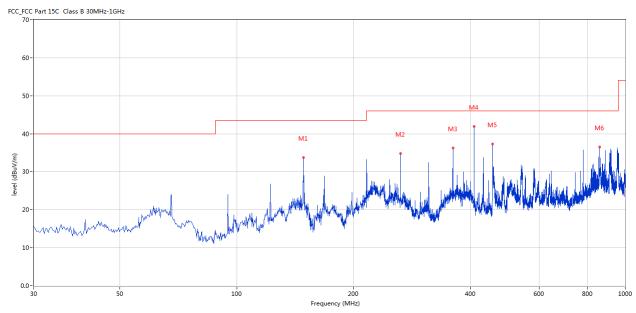
General Radiated Emission Data and Harmonics Radiated Emission Data

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

EUT set Condition: Keep Bluetooth Transmitting

Results: Pass

Test Figure:



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	148.310	33.78	-17.16	43.5	-9.72	Peak	208.00	100	Horizontal	Pass
2	263.954	34.84	-11.79	46.0	-11.16	Peak	266.00	100	Horizontal	Pass
3	359.960	36.31	-9.46	46.0	-9.69	Peak	67.00	100	Horizontal	Pass
4	407.963	41.98	-8.47	46.0	-4.02	Peak	95.00	100	Horizontal	Pass
5	455.966	37.26	-7.95	46.0	-8.74	Peak	146.00	100	Horizontal	Pass
6	860.840	36.56	-2.34	46.0	-9.44	Peak	15.00	100	Horizontal	Pass

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Test result

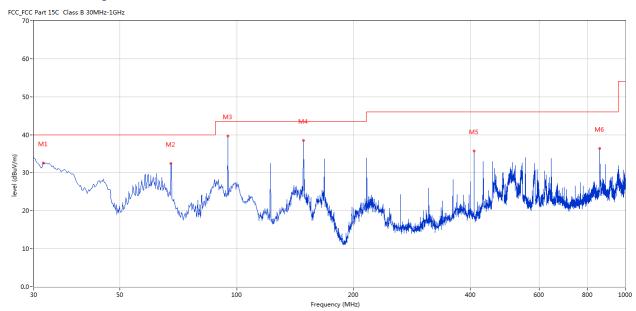
General Radiated Emission Data and Harmonics Radiated Emission Data

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

EUT set Condition: **Keep Transmitting**

Results: Pass

Test Figure:



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	31.697	32.60	-14.55	40.0	-7.40	Peak	6.00	100	Vertical	Pass
2	67.578	32.48	-14.47	40.0	-7.52	Peak	360.00	100	Vertical	Pass
3	94.731	39.66	-14.32	43.5	-3.84	Peak	134.00	100	Vertical	Pass
4	148.310	38.45	-17.16	43.5	-5.05	Peak	70.00	100	Vertical	Pass
5	407.963	35.74	-8.47	46.0	-10.26	Peak	141.00	100	Vertical	Pass
6	860.840	36.41	-2.34	46.0	-9.59	Peak	280.00	100	Vertical	Pass

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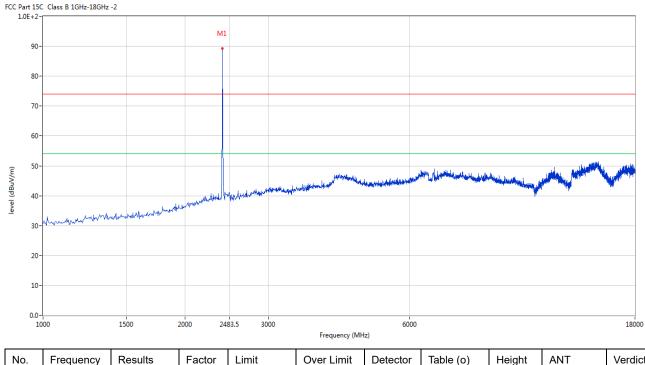
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Test Figures above 1GHz:

Please refer to the following test plots for details:

Low Channel: Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402	89.31	-3.57	74.0	15.31	Peak	159.00	100	Horizontal	N/A

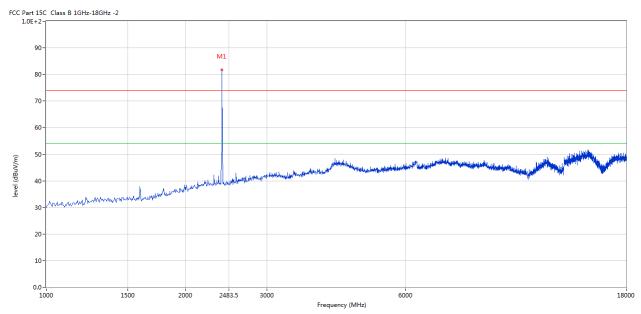
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Low Channel: Vertical



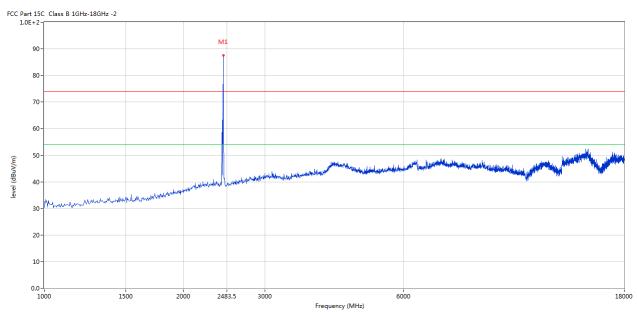
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	81.76	-3.57	74.0	7.76	Peak	41.00	100	Vertical	N/A

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Middle Channel: Horizontal



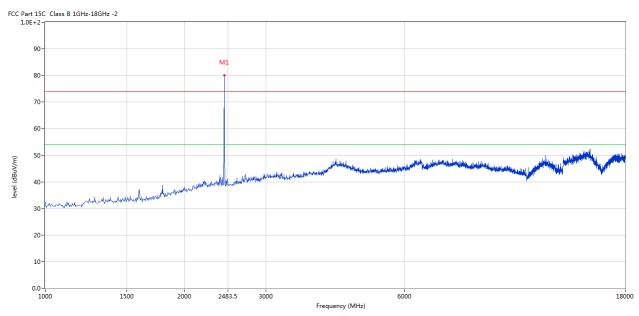
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2440	87.59	-3.57	74.0	13.59	Peak	150.00	100	Horizontal	N/A

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Middle Channel: Vertical



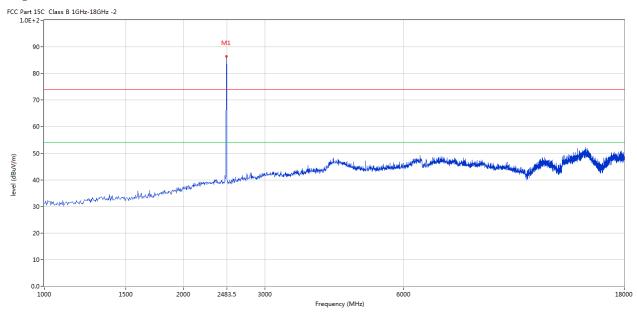
No	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	79.95	-3.57	74.0	5.95	Peak	37.00	100	Vertical	N/A

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High Channel: Horizontal



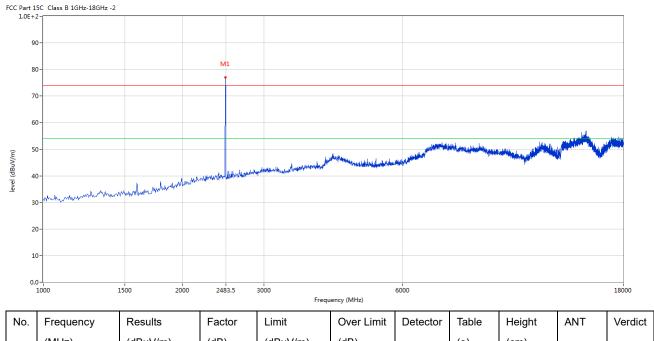
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2480	86.45	-3.57	74.0	12.45	Peak	125.00	100	Horizontal	N/A

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High Channel: Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	77.04	-3.57	74.0	3.04	Peak	77.00	100	Vertical	N/A

Note: 1. Level = Reading + AF + Cable - Preamp

- 2. For the radiated emissions above 18G, it is the floor noise.
- 3. The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

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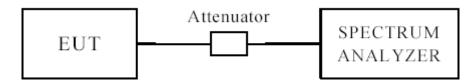
Report No.: TW2203329-02E

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7.0 6dB Bandwidth Measurement

7.1 Test Setup



7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

7.3 Test Procedure

- 1. Set resolution bandwidth (RBW) = 100 kHz
- 2. Set the video bandwidth (VBW) \geq 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = \max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.4 Test Result

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6dB BW

EUT	Т	Tablet PC		Model	K13
Mode Keep		o Transmitting I		nput Voltage	DC3.7V
Temperat	ure 2	24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)		Minimum Lin (MHz)	nit Pass/ Fail
Low	2402	739		0.5	Pass
Middle	2440	733		0.5	Pass
High	2480	733		0.5	Pass

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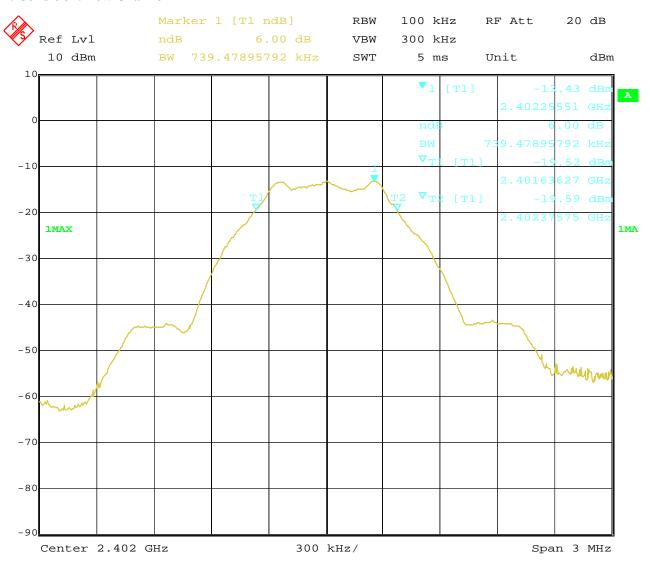
Report No.: TW2203329-02E

Date: 2022-05-10



Test Figure:

1. Condition: Low Channel



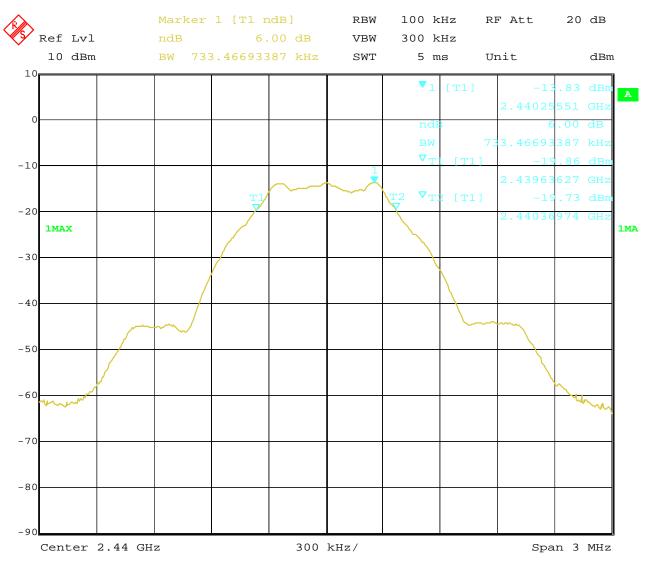
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2. Condition: Middle Channel



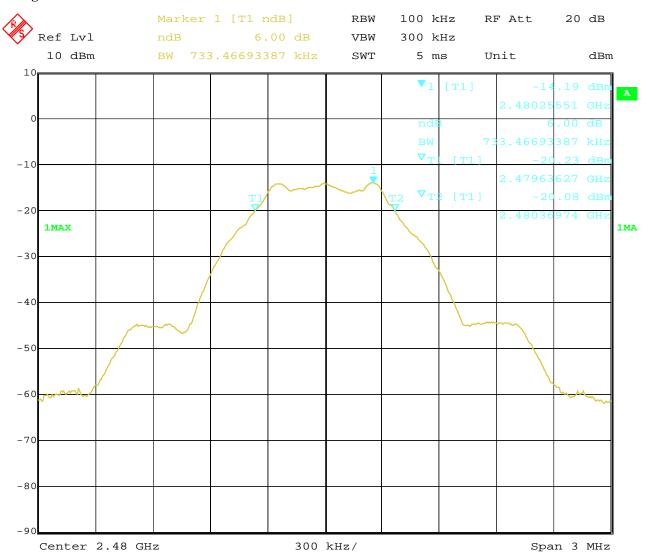
Date: 6.MAY.2022 21:18:34

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3. High Channel



Date: 6.MAY.2022 21:23:34

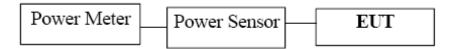
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8. Maximum Output Power

8.1 Test Setup



8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the AV power were measured.

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8.4Test Results

EUT		7	Tablet PC	Model			K13
Mode		Keep	Transmitting	Input Voltage			DC3.7V
Temperatu	Temperature		24 deg. C, Humidity		r		56% RH
Channel	Channel Frequency (MHz)		Max. Power Output (dBm)			Power	Pass/ Fail
Chamer			AV			Bm)	
Low		2402	-12.97		30		Pass
Middle	2440		-11.90			30	Pass
High	High 2480		-12.85			30	Pass

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

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

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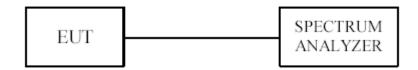
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9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm/3kHz.

9.3 Test Procedure

- 1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
- 2. Set the RBW = 10 kHz.
- 3. Set the VBW \geq 30 kHz.
- 4. Set the span to 1.5 times the DTS channel bandwidth.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 11. The resulting peak PSD level must be $\leq 8 \text{ dBm/3kHz}$.

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9.4Test Result

EUT		Tablet I	PC PC		Model	K13
Mode		Keep Transmitting			put Voltage	DC3.7V
Temperatur	re	24 deg.	C,	Humidity		56% RH
	Peak Power	Cable	Final Power Spect	ral	Maximum	
Channel	Reading	Loss	Density		Limit	Pass/ Fail
	(dBm)	(dB)	(dBm/10kHz)		(dBm/3kHz))
Low	-23.00	0.2	-22.80		8	Pass
Middle	-23.30	0.2	-23.10		8	Pass
High	-23.60	0.2	-23.40		8	Pass

Note: The result basic equation calculation as follow:

Peak Power Output = Peak Power Reading + Cable loss

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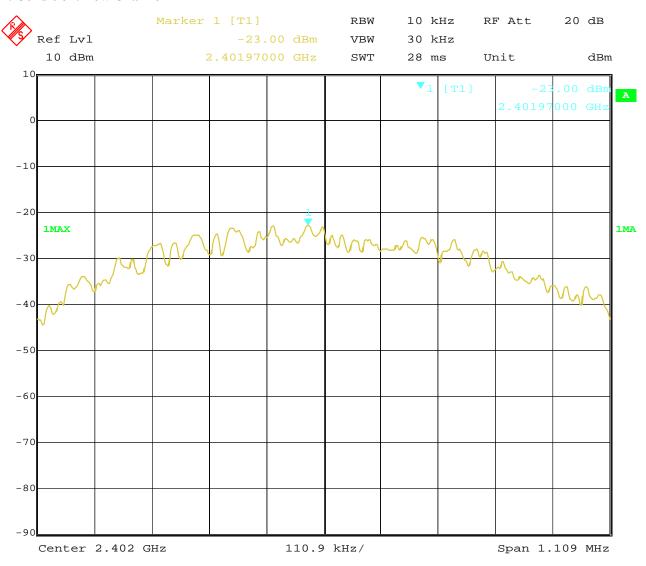
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Test Figure:

1. Condition: Low Channel



Date: 6.MAY.2022 21:31:17

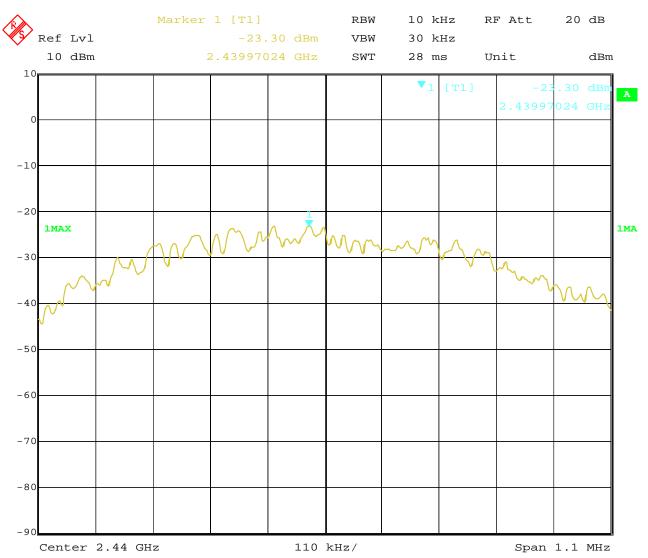
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2. Condition: Middle Channel



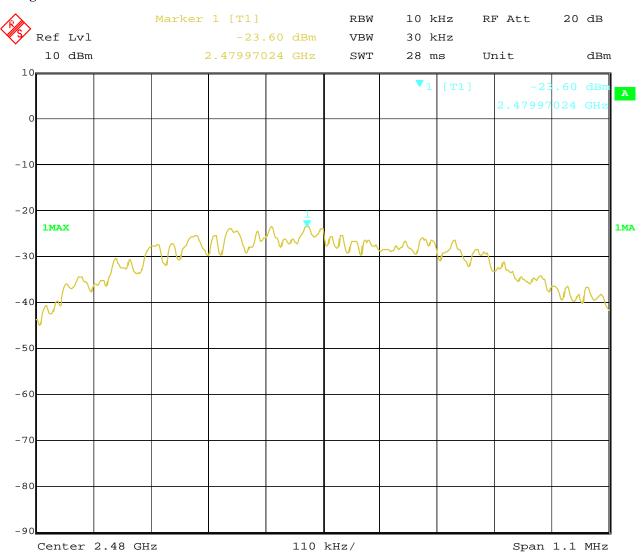
Date: 6.MAY.2022 21:30:30

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3. High Channel



Date: 6.MAY.2022 21:26:08

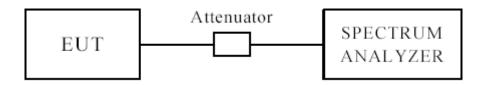
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10 Out of Band Measurement 10.1 Test Setup for band edge



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

10.2 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.

10.3 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=1MHz, VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector)

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

10.4 Test Result

Please see next pages

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

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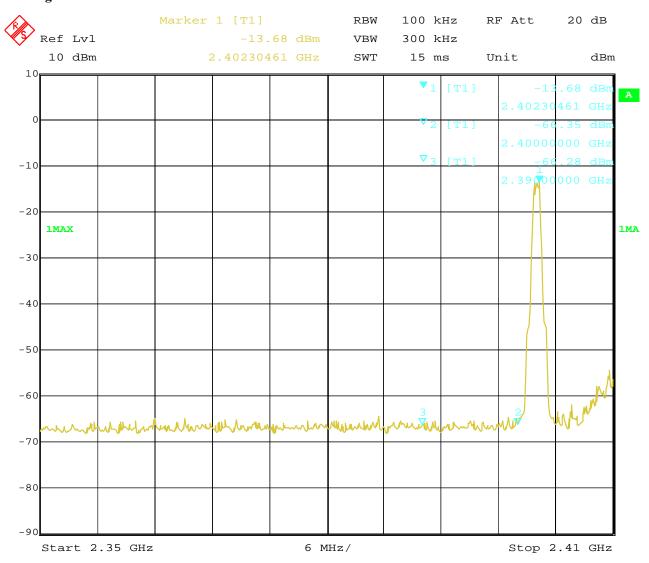
Date: 2022-05-10



10.4 Band-edge Measurement

EUT	Tablet PC	Model	K13
Mode	Keep Transmitting	Input Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 6.MAY.2022 21:31:44

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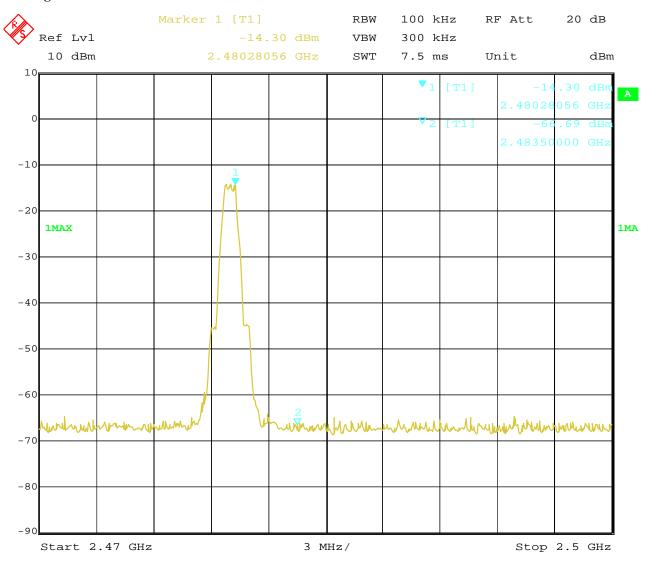
Date: 2022-05-10



10.4 Band-edge Measurement

EUT	Tablet PC	Model	K13
Mode	Keeping Transmitting	Input Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 6.MAY.2022 21:32:19

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10.4 Restrict Band Measurement

	EUT		Tal	blet PC		N	Model		K13	
	Mode	e Keep Transmitting		Input Voltage			DC3.7V			
Temperature			24 deg. C,			Н	Humidity		56% RF	
T	est Result:			Pass						
C Part	: 15C Class B 1GHz-18GHz	:-2								
	90-								Var.	
	80-								- \	
	70-									
	60-									
								y^r	Ч.	
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	40				Frequency (MHz)					2410
u/ongn) iaoai	40- 30- 20- 10- 0.0- 2350	Results	Factor	Limit	Frequency (MHz) Over Limit	Detector	Table	Height	ANT	2410
II/Ango) iaaai	40				Frequency (MHz)					

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

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10.4 Restrict Band Measurement

	EUT		Table	t PC		M	odel		K13	3
	Mode	Keep Transmitting			Input Voltage			DC3.		
Τ	Temperature		24 deg. C,			Humidity			56% I	RH
	Test Result:		Pas	SS						
	ort 15C Class B 1GHz-18GHz DE+2-	-2								
	90-									
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	30- 20- 10- 2350	Results	Factor			Detector	Table	Height	ANT	2410
	30- 20- 10- 2350			Fre	equency (MHz)		Table (o)	Height (cm)		

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

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10.4 Restrict Band Measurement

	EUT		Table	et PC		Me	odel		K13	
	Mode		Keep Tra	nsmitting		Input Voltage			DC3.7V	I
Te	mperature	e 24 deg. C, Hun		nidity		56% RF				
Te	est Result:		Pa	ass						
1.0E+ 9 8	15C Class B 1GHz-18GHz	-2	and the second							
3 2 2	100- 100- 100- 100- 100- 100- 100- 100-		<i>x</i>	2483.5		de den de	signite vitalijaladas austruur	ng kan ad pang bagan kang menghapa	tin e maint han de ramenta ad han de radha	2500
4 3 2 1	00-	Beaute	Factor	2483.5	; Frequency (MHz)					2500
3 2 2	10	Results (dBuV/m)	Factor (dB)	2483.5	i i	Detector	Table (o)	Height (cm)	ANT	
4 3 2 1	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-			2483.5 Limit	Frequency (MHz) Over Limit		Table	Height		2500

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10 4 Restrict Band Measurement

EUT		Tablet	t PC		Mod	lel		K13	
Mode			Keep Transmitting		Input Voltage	DC3.7V		J	
Temperature 24 deg.			24 deg. C, Hu		Humi	dity		56% RH	
Test Result: Pass									
C Part 15C Class B 1GHz-1	GHz -2						•		
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50 - 40 - 30 - 20 - 10 -		Factor	2483.5		Detector	Table	Height	ANT	
30- 20- 10- 0.0- 2470		Factor (dB)	2483.5 Frei	quency (MHz)					2500
50- 40- 30- 20- 10- 0.0- 2470	Results		2483.5 Free	quency (MHz) Over Limit		Table	Height		2500

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11.0 Antenna Requirement

11.1 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.

11.2 Antenna Connected construction

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

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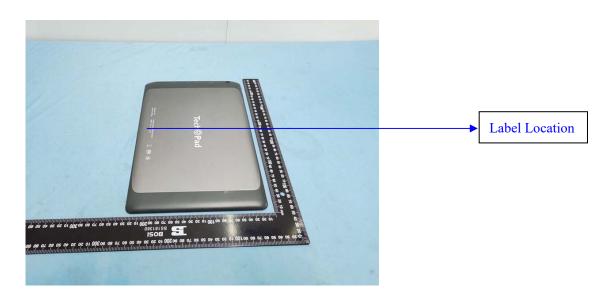
12.0 FCC ID Label

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:



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13.0 **Photo of testing**

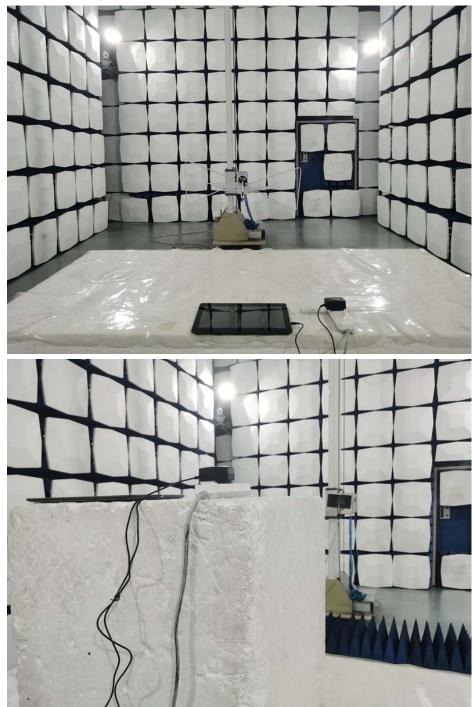
Conducted Emission Test Setup:



Date: 2022-05-10



Radiated Emission Test Setup:



Photographs - EUT

Please refer test report TW2203329-01E

End of the report

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

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