





FCC Test Report FCC ID: 2AXUI-T10

Product: Tablet

Trade Mark: BYYBUO

Model Number: T10

Family Model: T11, T12, T13, F118W

Report No.: STR211223001005E

Prepared for

CHITECH SHENZHEN TECHNOLOGY CO.,LTD

101,NO.48,Xiashijia Road,Gongming Town,Guangming
Dist.,Shenzhen,China

Prepared by

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Applicant's name.....: CHITECH SHENZHEN TECHNOLOGY CO.,LTD

Report No.: STR211223001005E

TEST RESULT CERTIFICATION

Address:	101,NO.48,Xiashijia Road,Gongming Town,Guangming Dist.,Shenzhen,China				
Manufacturer's Name:	: CHITECH SHENZHEN TECHNOLOGY CO.,LTD				
Address					
Product description					
Product name:	Tablet				
Model and/or type reference :	T10				
Family Model:					
Standards:	FCC Part15B ANSI C63.4:2014				
	as been tested by NTEK, and the test results show that the in compliance with Part 15 of FCC Rules. And it is applicable only in the report.				
·	uced except in full, without the written approval of NTEK, this vised by NTEK, personnel only, and shall be noted in the revision .				
	: Dec 23. 2021 ~Jan 12, 2022				
Date of Issue					
Test Result	,				
Testing Engine	eer : Mukri Lee (Mukzi Lee)				
Authorized Sig	gnatory: (Alex Li)				
	(Alex LI)				

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1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission							
Standard	Test Item	Limit	Judgment	Remark			
FCC Part15B ANSI C63.4: 2014	Conducted Emission	Class B	PASS				
	Radiated Emission	Class B	PASS				

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

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1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District,

Shenzhen 518126 P.R. China.

IC-Registration The Certificate Registration Number is 9270A.

CAB identifier:CN0074

FCC- Accredited Test Firm Registration Number: 463705.

Designation Number: CN1184

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 %.

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	±2.80dB	

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKA01	ANSI	30MHz~1000MHz	±2.64dB	
		1GHz~6GHz	±2.40dB	
		6GHz~26.5GHz	±2.52dB	

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2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Tablet			
Trade Mark	BYYBUO			
Model Name	T10			
Family Model	T11, T12, T13, F118W			
Model Difference	All models are the same circ	cuit and RF module, except the model name.		
Product Description		Connecting I/O port: Micro USB, Earphone Operation Frequency: 5.825GHz Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details		
Power Source	DC 3.85V from battery or	••		
Adapter	Model: GQ15-050300-ZU Input: AC 100V-240V~50/60Hz 0.5A Output: DC 5V === 3.0A			
Battery	DC 3.85V, 7000mAh, 26.95Wh			
HW Version	P30_6771_556_V1.1_20201113			
SW Version	5035+13850_20211214			

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2.1.1 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	USB Data Transmission
Mode 2	TF card Playing
Mode 3	REC

For Conducted Test			
Final Test Mode	Description		
Mode 1	USB Data Transmission		
Mode 2	TF card Playing		
Mode 3	REC		

For Radiated Test				
Final Test Mode Description				
Mode 1	USB Data Transmission			
Mode 2	TF card Playing			
Mode 3	REC			

Note: Final Test Mode: Through Pre-scan, find the mode 1 is the worst case. Only the worst case mode is recorded in the report.

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2.2 DESCRIPTION OF TEST SETUP CE C-5 AE-5 AE-4 EUT AE-1 C-4 Printer PC Monitor C-1 **AC PLUG** C-6 **AC Plug** AC Plug 0.8_m C-3 AE-6 C-2 Earphone AE-2 AE-3 KΒ Mouse 1.5m RE AC PLUG AC PLUG **AC Plug** C-4 AE-1 AE-5 **EUT** AE-4 C-1 PC Printer Monitor C-5 C-6 0.8mC-2 C-3 AE-6 Earphone AE-3 AE-2 Mouse ΚB 1.5m

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2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
AE-1	PC	DELL	FT4Y23X	N/A	Peripherals
AE-2	KB	N/A	N/A	N/A	Peripherals
AE-3	Mouse	DELL	MS111-P	N/A	Peripherals
AE-4	Monitor	DELL	IN2020MB	N/A	Peripherals
AE-5	Printer	Canon	L11121E	N/A	Peripherals
AE-6	Earphone	N/A	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	NO	NO	1.0m	
C-2	USB Cable	NO	NO	1.2m	
C-3	USB Cable	NO	NO	1.2m	
C-4	HDMI Cable	YES	YES	1.0m	
C-5	USB Cable	NO	NO	1.2m	
C-6	Earphone Cable	NO	NO	1.2m	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> column.
- (3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".

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2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

	ation Test equip						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2021.04.27	2022.04.26	1 year
2	Test Receiver	R&S	ESPI	101318	2021.04.27	2022.04.26	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2021.03.29	2022.03.28	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2021.04.27	2022.04.26	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2021.04.27	2022.04.26	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2021.03.29	2022.03.28	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2021.04.27	2022.04.26	1 year
8	Amplifier	EMC	EMC05183 5SE	980246	2021.04.27	2022.04.26	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2021.04.27	2022.04.26	1 year
10	Power Meter	DARE	RPR3006W	15I00041S NO84	2021.04.27	2022.04.26	1 year
11	Power Sensor	R&S	URV4-Z4	0395.1619. 05	2021.04.27	2022.04.26	1 year
12	Test Cable (30MHz-1GH z)	N/A	R-02	N/A	2019.06.28	2022.06.27	3 year
13	High Test Cable(1G-40 GHz)	N/A	R-03	N/A	2019.06.28	2022.06.27	3 year
14	High Test Cable(1G-40 GHz)	N/A	R-04	N/A	2019.06.28	2022.06.27	3 year
15	Test Receiver	R&S	ESCI	101160	2021.04.27	2022.04.26	1 year

AC Conduction Test equipment

	portadollori root ot	10					
Item		Manufactu	Type No.	Serial No.	Last	Calibrated	Calibratio
	Equipment	rer			calibration	until	n period
1	Test Receiver	R&S	ESCI	101160	2021.04.27	2022.04.26	1 year
2	LISN	R&S	ENV216	101313	2021.04.27	2022.04.26	1 year
3	LISN	SCHWAR ZBECK	NNLK 8129	8129245	2021.04.27	2022.04.26	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	620098370 4	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable which is scheduled for calibration every 3 years.

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3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
PREQUENCT (MIDZ)	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

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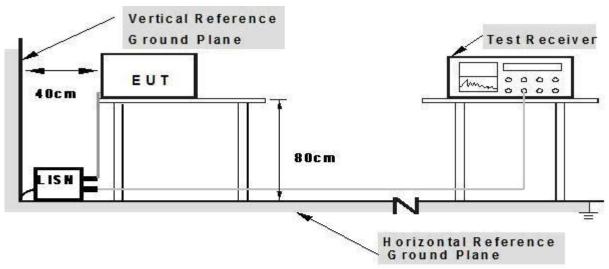




3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 TEST SETUP



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

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

3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

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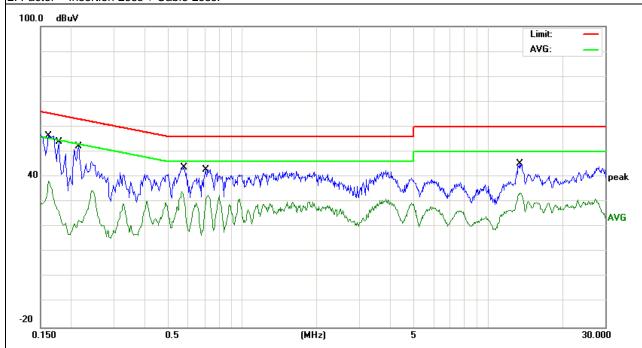
3.1.5 TEST RESULTS

NTEK 北测[®]

EUT:	Tablet	Model Name. :	T10		
Temperature:	24.5 ℃	Relative Humidity:	52%		
Pressure:	1010hPa	Test Date:	2021-12-27		
Test Mode:	Mode 1 Phase : L				
Test Voltage:	DC 5V from Adapter AC 120V/60Hz				

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1620	46.64	9.63	56.27	65.36	-9.09	QP
0.1620	28.63	9.63	38.26	55.36	-17.10	AVG
0.1779	17.79	9.63	27.42	54.58	-27.16	AVG
0.1779	44.29	9.63	53.92	64.58	-10.66	QP
0.2139	42.57	9.63	52.20	63.05	-10.85	QP
0.2139	13.05	9.63	22.68	53.05	-30.37	AVG
0.5779	23.72	9.70	33.42	46.00	-12.58	AVG
0.5779	34.07	9.70	43.77	56.00	-12.23	QP
0.7059	33.34	9.64	42.98	56.00	-13.02	QP
0.7059	21.88	9.64	31.52	46.00	-14.48	AVG
13.4419	35.65	9.75	45.40	60.00	-14.60	QP
13.4419	23.69	9.75	33.44	50.00	-16.56	AVG

- All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.



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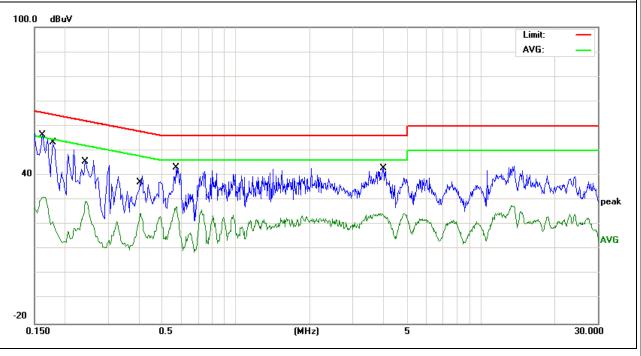


EUT:	Tablet	Model Name.:	T10
Temperature:	24.5 ℃	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2021-12-27
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 5V from Adapter AC 120V/60Hz		

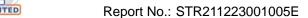
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1620	46.65	9.63	56.28	65.36	-9.08	QP
0.1620	21.65	9.63	31.28	55.36	-24.08	AVG
0.1785	42.98	9.63	52.61	64.55	-11.94	QP
0.1785	11.18	9.63	20.81	54.55	-33.74	AVG
0.2419	35.83	9.64	45.47	62.03	-16.56	QP
0.2419	19.68	9.64	29.32	52.03	-22.71	AVG
0.4060	27.35	9.71	37.06	57.73	-20.67	QP
0.4060	14.79	9.71	24.50	47.73	-23.23	AVG
0.5699	33.39	9.70	43.09	56.00	-12.91	QP
0.5699	17.68	9.70	27.38	46.00	-18.62	AVG
4.0060	14.38	9.77	24.15	46.00	-21.85	AVG
4.0060	33.22	9.77	42.99	56.00	-13.01	QP

Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.



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3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

	Class A (at 10m)	Class B (at 3m)	
FREQUENCY (MHz)	dBuV/m	dBuV/m	
30 ~ 88	39.0	40.0	
88 ~ 216	43.5	43.5	
216 ~ 960	46.5	46.0	
Above 960	49.5	54.0	

Notes:

- (1) The limit for radiated test was performed according to as following: FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

Test Arrangement for Radiated Emissions up to 1 GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency below 1GHz.

Test Arrangement for Radiated Emissions above 1 GHz.

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report

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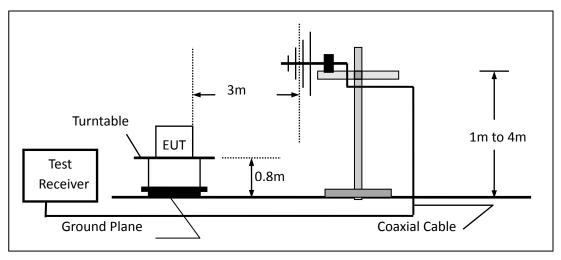


During the radiated emission test, according to ANSI C63.4-2014(4.2), the Spectrum Analyzer was set with the following configurations:

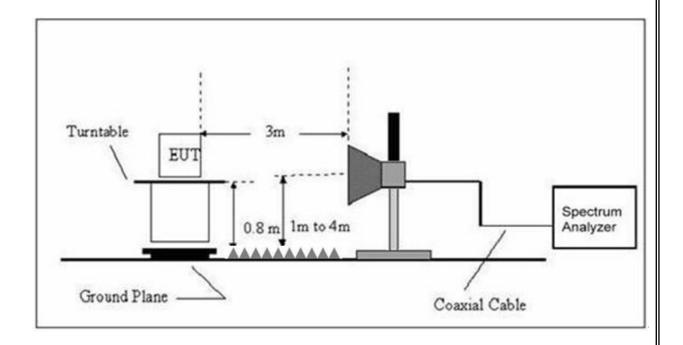
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
	Peak	1 MHz	3 MHz
Above 1000	Avg	1 MHz	10 Hz

3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



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3.2.4 TEST RESULTS

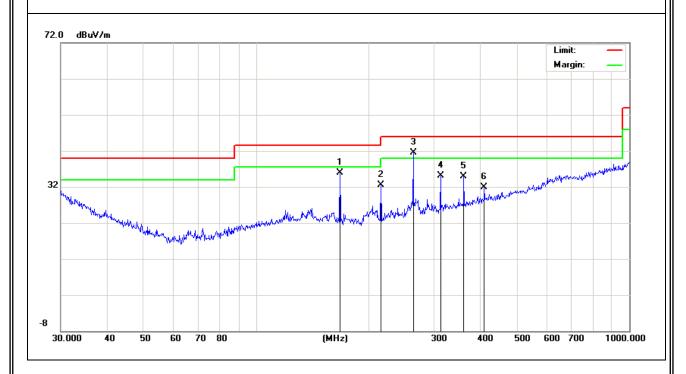
TEST RESULTS (30~1000 MHz)

	,			
EUT:	Tablet	Model Name:	T10	
Temperature:	24.5 ℃	Relative Humidity:	55%	
Pressure:	1010 hPa	Test Date :	2021-12-29	
Test Mode:	Mode 1	Horizontal		
Test Power:	DC 5V from Adapter AC 120V/60Hz			

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	remark
Н	167.8242	19.48	16.50	35.98	43.50	-7.52	QP
Н	216.0240	16.65	15.92	32.57	46.00	-13.43	QP
Н	263.8190	21.50	20.04	41.54	46.00	-4.46	QP
Н	312.1792	14.97	20.23	35.20	46.00	-10.80	QP
Н	360.4476	13.05	21.85	34.90	46.00	-11.10	QP
Н	408.9460	9.06	22.81	31.87	46.00	-14.13	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



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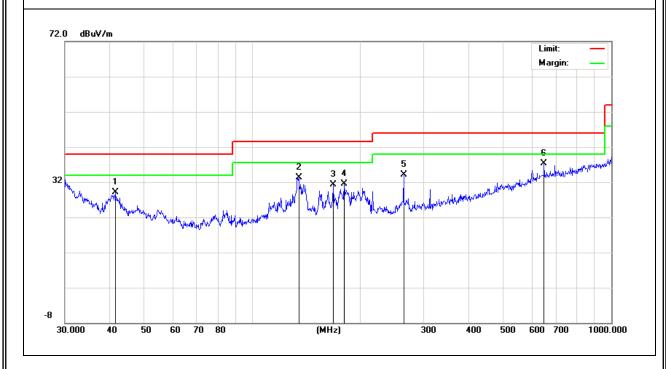
EUT:	Tablet	Model Name :	T10	
Temperature:	24.5 ℃	Relative Humidity:	55%	
Pressure:	1010 hPa	Test Date :	2021-10-30	
Test Mode :	lode : Mode 1 Polarization : Vertical			
Test Power :	: DC 5V from Adapter AC 120V/60Hz			

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	rterriarit
V	41.5670	10.85	18.16	29.01	40.00	-10.99	QP
V	134.5592	15.43	17.95	33.38	43.50	-10.12	QP
V	167.8241	14.89	16.50	31.39	43.50	-12.11	QP
V	180.0165	15.55	15.94	31.49	43.50	-12.01	QP
V	263.8190	14.16	20.04	34.20	46.00	-11.80	QP
V	649.6597	9.65	27.57	37.22	46.00	-8.78	QP

Remark:

NTEK 北测[®]

Factor = Antenna Factor + Cable Loss - Amplifier.



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3.2.5 TEST RESULTS(1000~18000MHz)

EUT:	Tablet	Model Name :	T10		
Temperature:	24.5 ℃	Relative Humidity:	55%		
Pressure:	1010 hPa	Test Date :	2021-12-29		
Test Mode:	Mode 1				
Test Power:	DC 5V from Adapter AC 120V/60Hz				

All the modulation modes have been tested, and the worst result was report as below:

Polar (H/V)	Frequency	Reading	Correct	Result	Limit	Over Limit	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
V	40.4172	12.17	18.79	30.96	40.00	-9.04	peak
V	74.3955	12.21	12.85	25.06	40.00	-14.94	peak
V	119.8556	23.49	17.84	41.33	43.50	-2.17	peak
V	167.2368	23.35	16.61	39.96	43.50	-3.54	peak
V	254.7284	14.98	19.88	34.86	46.00	-11.14	peak
V	480.5276	14.71	24.59	39.30	46.00	-6.70	peak
V	890.7278	7.60	30.33	37.93	46.00	-8.07	peak
Н	119.8556	28.42	17.84	46.26	43.50	2.76	peak
Н	239.9874	33.33	17.76	51.09	46.00	5.09	peak
Н	239.9874	33.14	17.76	50.90	46.00	4.90	QP
Н	252.9482	39.26	19.46	58.72	46.00	12.72	peak
Н	252.9482	18.64	19.46	38.10	46.00	-7.90	QP
Н	480.5276	26.27	24.59	50.86	46.00	4.86	peak
Н	721.7259	15.99	28.19	44.18	46.00	-1.82	peak

Remark:

Result = Reading + Correct, Over Limit= Result - Limit

Note: Only the worst results data points are reported in the report.

Other emissions are attenuated 20dB below the limit that does not recorded in the report.

END OF REPORT

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