FCC Test Report

FCC ID: 2A7DX-TAB7WIFI

Product:	Tablet PC
Trade Mark:	Blackview
Model Number:	Tab 7 WiFi
Family Model:	N/A
Report No.:	STR220923005004E

Prepared for

DOKE COMMUNICATION (HK) LIMITED

RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI HK, CHINA

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

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TEST RESULT CERTIFICATION

Applicant's name.....:	DOKE COMMUNICATION (HK) LIMITED
Address.....:	RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI HK, CHINA
Manufacturer's Name.....:	Shenzhen DOKE Electronic Co.,Ltd
Address.....:	801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China
Product description	
Product name.....:	Tablet PC
Model and/or type reference .:	Tab 7 WiFi
Family Model.....:	N/A
Standards.....:	FCC Part15B ANSI C63.4:2014

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

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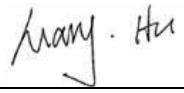
Test Sample Number……..:	T220923003R003
Date of Test .....:	
Date (s) of performance of tests .....:	Sep 23, 2022 ~ Oct 13, 2022
Date of Issue .....:	Oct 13, 2022
Test Result.....:	**Pass**

Testing Engineer **:** 

(Mary Hu)

Authorized Signatory **:** 

(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.

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 **y** ± **U**, where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **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	

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Tablet PC
Trade Mark	Blackview
Model Name	Tab 7 WiFi
Family Model	N/A
Model Difference	N/A
Product Description	<table><tr><td>Connecting I/O port:</td><td>Micro USB, Earphone</td></tr><tr><td>Operation Frequency:</td><td>5.825GHz</td></tr></table> Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.
Adapter	Model: QZ-01000EA00 Input: 100-240V~50/60Hz 0.3A Output: 5.0V⎓2.0A (10.0W)
Battery	DC 3.8V, 6580mAh, 25.0Wh
Power supply	DC 3.8V from battery or DC 5V from Adapter.
Hardware Version	R863T-DK-RK3326S-V1.0
Software Version	Tab_7_WiFi_NEU_S863T_V1.0_20220930V01

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
Model 1	Burning Test(USB+TF card+ REC)
Model 2	BT Link mode
Model 3	Wi-Fi 2.4G

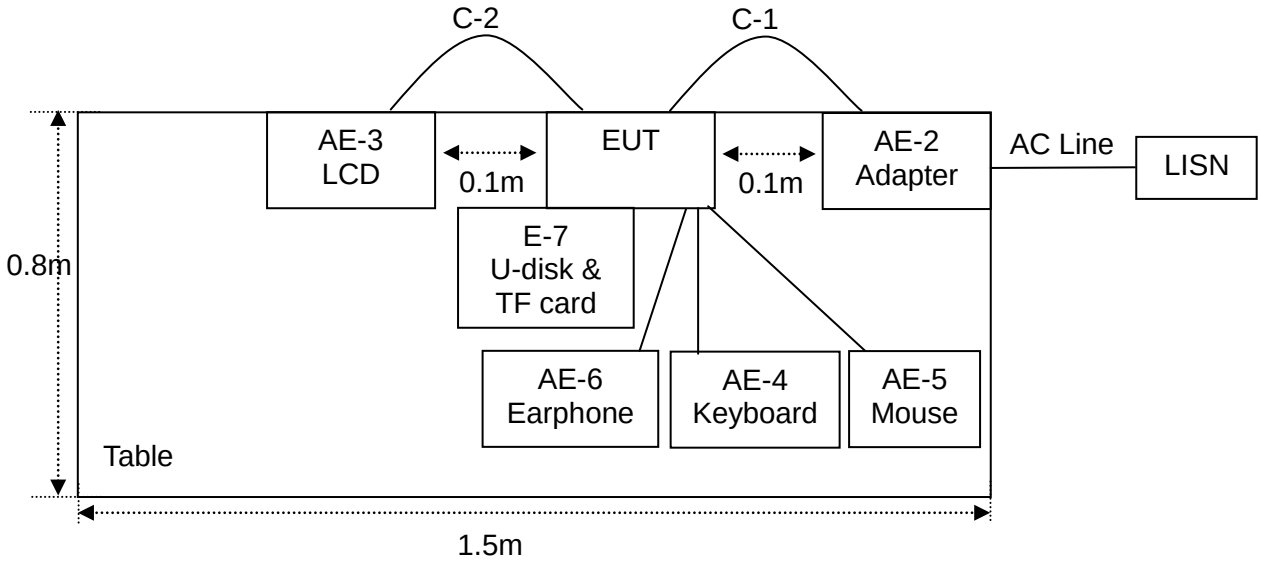
For Conducted Test	
Final Test Mode	Description
Model 1	Burning Test(USB+TF card+ REC)
Model 2	BT Link mode
Model 3	Wi-Fi 2.4G

For Radiated Test	
Final Test Mode	Description
Model 1	Burning Test(USB+TF card+ REC)
Model 2	BT Link mode
Model 3	Wi-Fi 2.4G

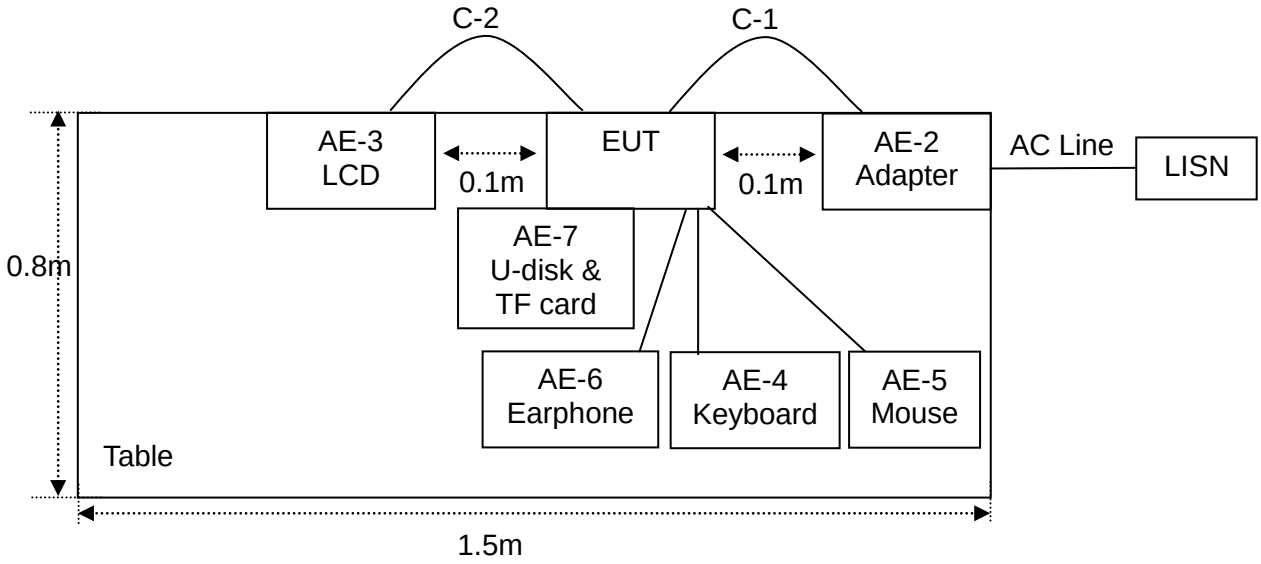
Note: Final Test Mode: Through Pre-scan, find the model 1 is the worst case.
Only the worst case mode is recorded in the report.

2.2 DESCRIPTION OF TEST SETUP

Mode CE: Burning Test(USB+TF card+HDMI+LAN)



Mode RE: Burning Test(USB+TF card+HDMI+LAN)



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-2	Adapter	N/A	QZ-01000EA00	N/A	EUT
AE-3	LCD	PHILIPS	241P6V	UHBA1724011720C24	
AE-4	Keyboard	hp	Z4M39PA#AB2	9GCMCB180007747	
AE-5	Mouse	ThinkPad	N/A	N/A	
AE-6	Earphone	N/A	N/A	N/A	
AE-7	U-disk & TF card	N/A	N/A	N/A	

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『Length』column.
(3) “YES” means “shielded” “with core”; “NO” means “unshielded” “without core”.

2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2022.04.01	2023.03.31	1 year
2	Test Receiver	R&S	ESPI	101318	2022.04.06	2023.04.05	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2022.03.30	2023.03.29	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2020.05.11	2023.05.10	3 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2021.11.07	2022.11.06	1 year
6	Horn Antenna	EM	EM-AH-10180	2011071402	2022.03.31	2023.03.30	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2021.11.07	2022.11.06	1 year
8	Amplifier	EMC	EMC051835SE	980246	2022.06.17	2023.06.16	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2022.06.17	2023.06.16	1 year
10	Power Meter	DARE	RPR3006W	15I00041SNO84	2022.06.16	2023.06.15	1 year
11	Power Sensor	R&S	URV4-Z4	0395.1619.05	2022.06.17	2023.06.16	1 year
12	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
13	High Test Cable(1G-40GHz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
14	High Test Cable(1G-40GHz)	N/A	R-04	N/A	2022.06.17	2025.06.16	3 year
15	Test Receiver	R&S	ESCI	101160	2022.04.06	2023.04.05	1 year

AC Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2022.04.06	2023.04.05	1 year
2	LISN	R&S	ENV216	101313	2022.04.06	2023.04.05	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2022.04.06	2023.04.05	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	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.

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)	
	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.

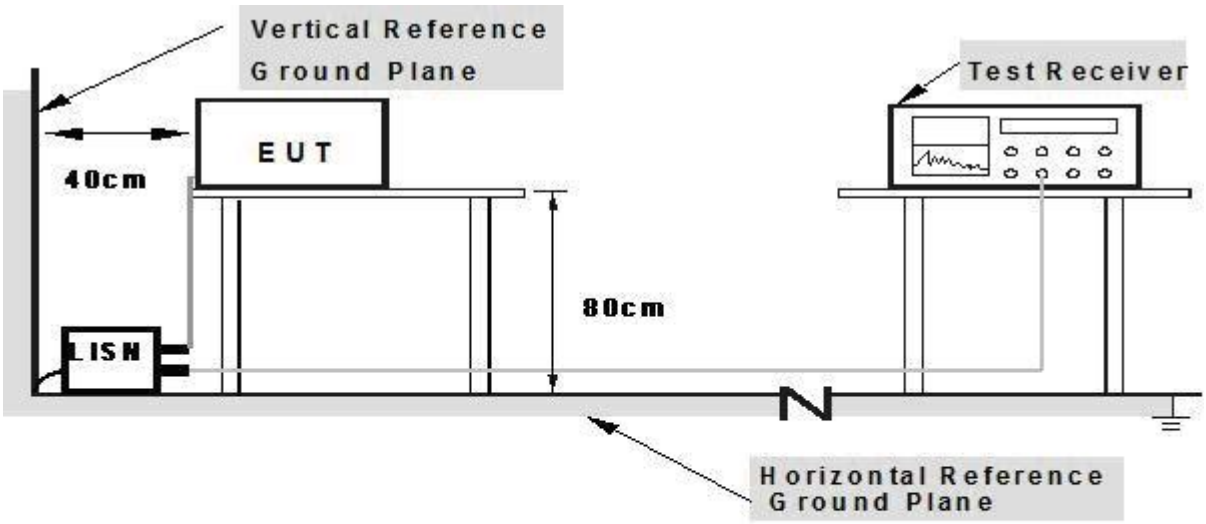
The following table is the setting of the receiver

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

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 LISN.
2.Both of LISNs (AMN) 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.

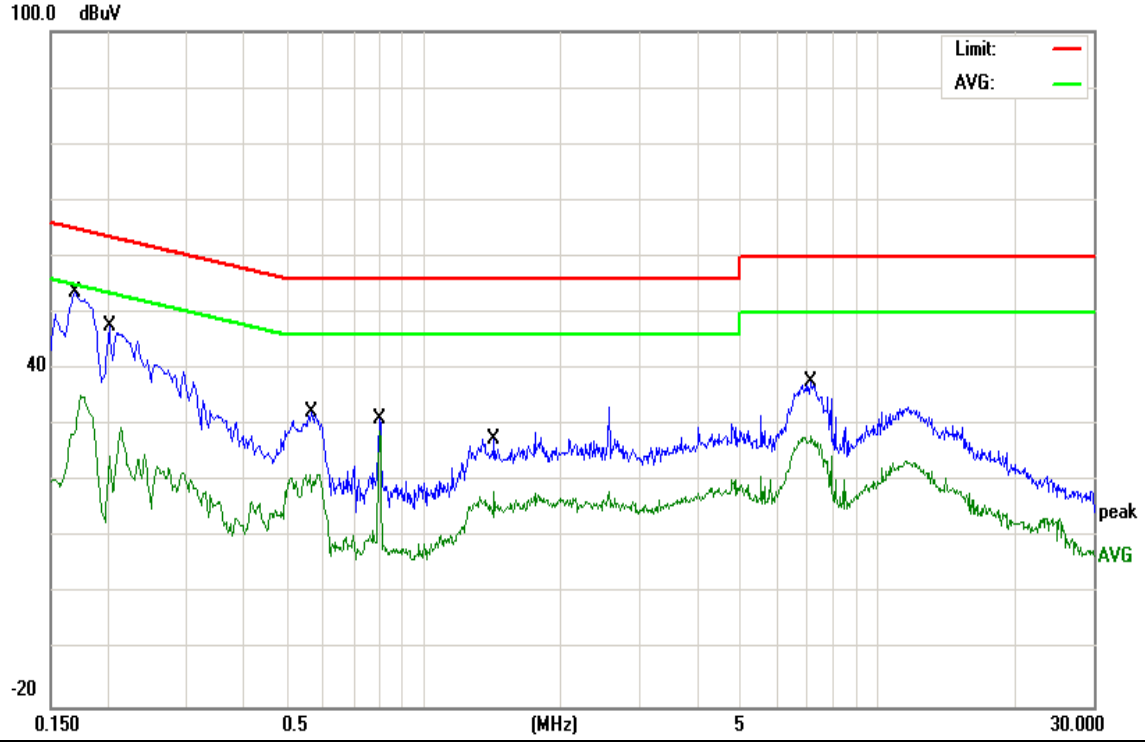
3.1.5 TEST RESULTS

EUT:	Tablet PC	Model Name. :	Tab 7 WiFi
Temperature:	24.5 ℃	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2022-10-09
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)	
0.1700	43.93	9.61	53.54	64.96	-11.42	QP
0.1700	25.60	9.61	35.21	54.96	-19.75	AVG
0.2020	38.00	9.61	47.61	63.52	-15.91	QP
0.2020	15.06	9.61	24.67	53.52	-28.85	AVG
0.5660	22.61	9.67	32.28	56.00	-23.72	QP
0.5660	11.70	9.67	21.37	46.00	-24.63	AVG
0.7980	21.40	9.68	31.08	56.00	-24.92	QP
0.7980	19.46	9.68	29.14	46.00	-16.86	AVG
1.4260	17.78	9.67	27.45	56.00	-28.55	QP
1.4260	8.44	9.67	18.11	46.00	-27.89	AVG
7.1300	27.82	9.84	37.66	60.00	-22.34	QP
7.1300	18.21	9.84	28.05	50.00	-21.95	AVG

Remark:

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

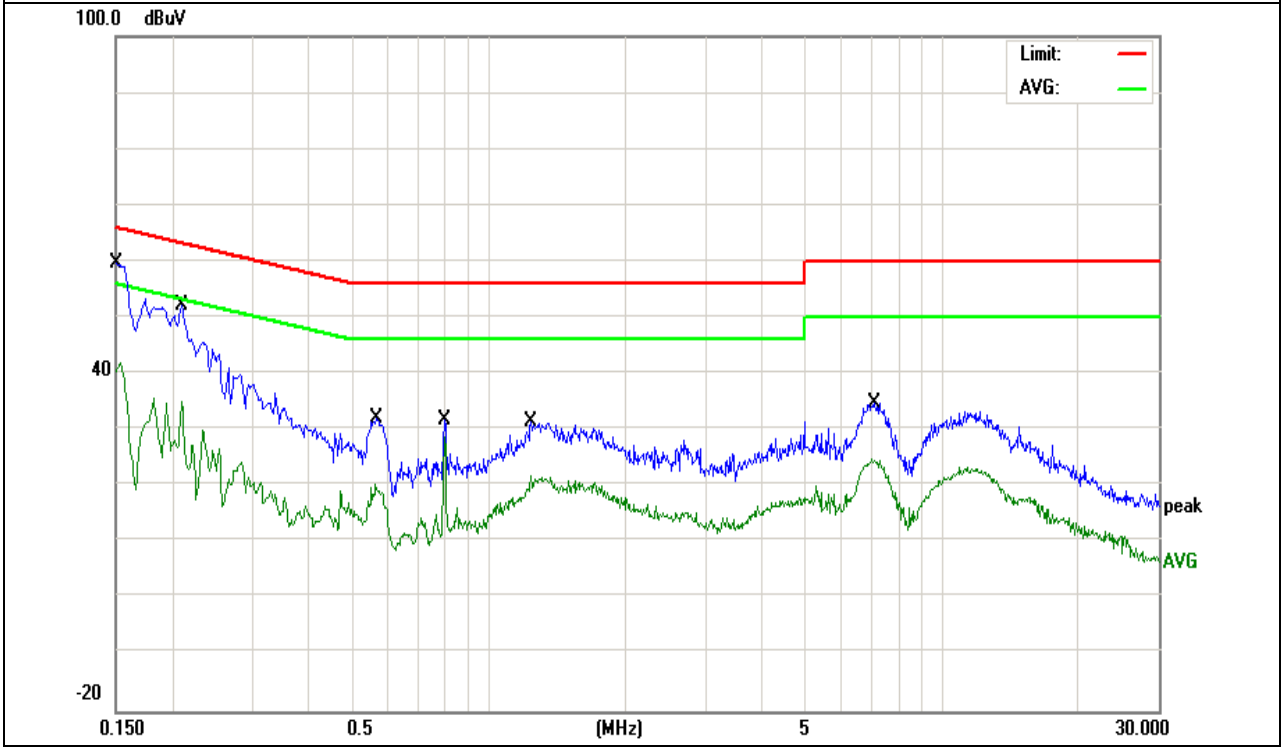


EUT:	Tablet PC	Model Name. :	Tab 7 WiFi
Temperature:	24.5 ℃	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2022-10-09
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 5V from Adapter AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1500	50.11	9.65	59.76	65.99	-6.23	QP
0.1500	32.42	9.65	42.07	55.99	-13.92	AVG
0.2100	42.56	9.63	52.19	63.20	-11.01	QP
0.2100	25.39	9.63	35.02	53.20	-18.18	AVG
0.5660	22.29	9.67	31.96	56.00	-24.04	QP
0.5660	10.55	9.67	20.22	46.00	-25.78	AVG
0.7980	22.06	9.68	31.74	56.00	-24.26	QP
0.7980	19.21	9.68	28.89	46.00	-17.11	AVG
1.2420	21.67	9.67	31.34	56.00	-24.66	QP
1.2420	12.17	9.67	21.84	46.00	-24.16	AVG
7.0740	24.89	9.82	34.71	60.00	-25.29	QP
7.0740	15.02	9.82	24.84	50.00	-25.16	AVG

Remark:

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



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	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

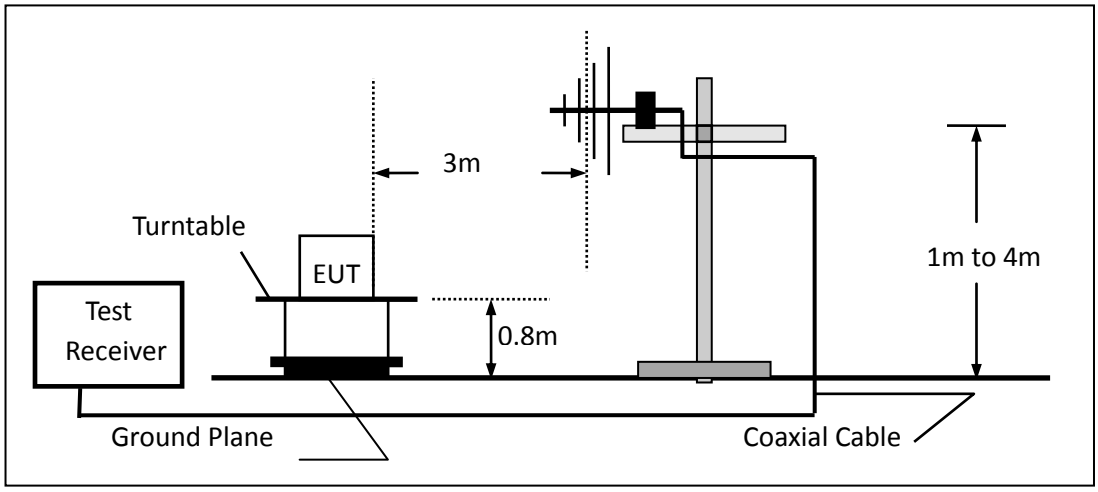
worst case is recorded in the report

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

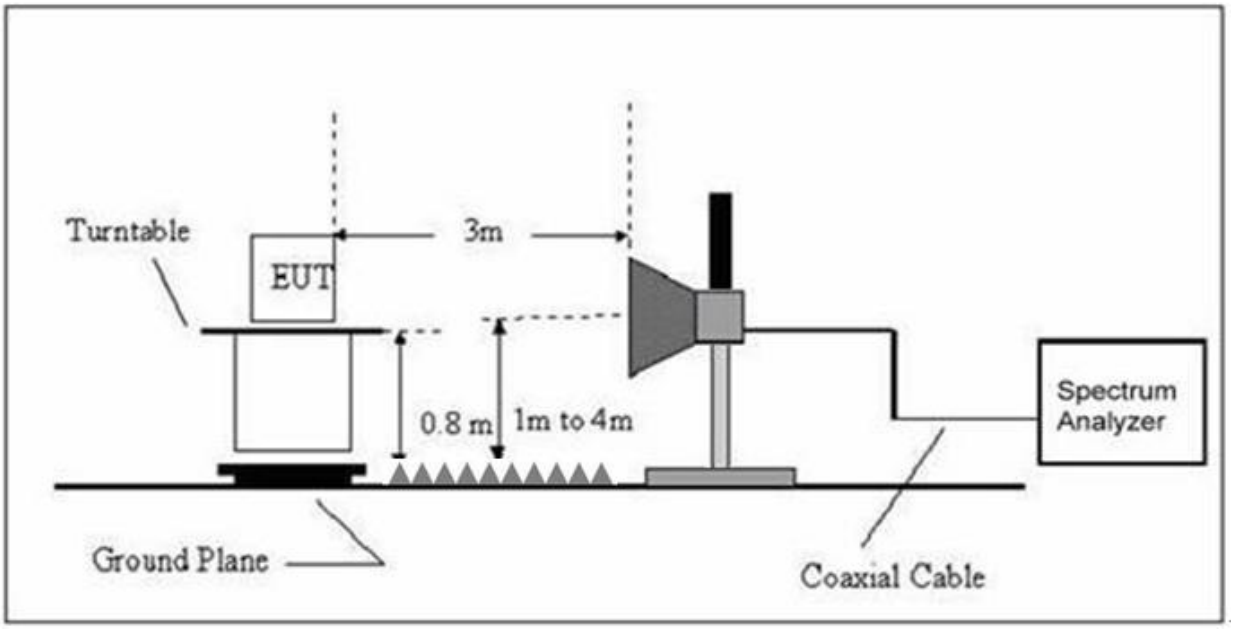
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	3 MHz
	Avg	1 MHz	10 Hz

3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



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



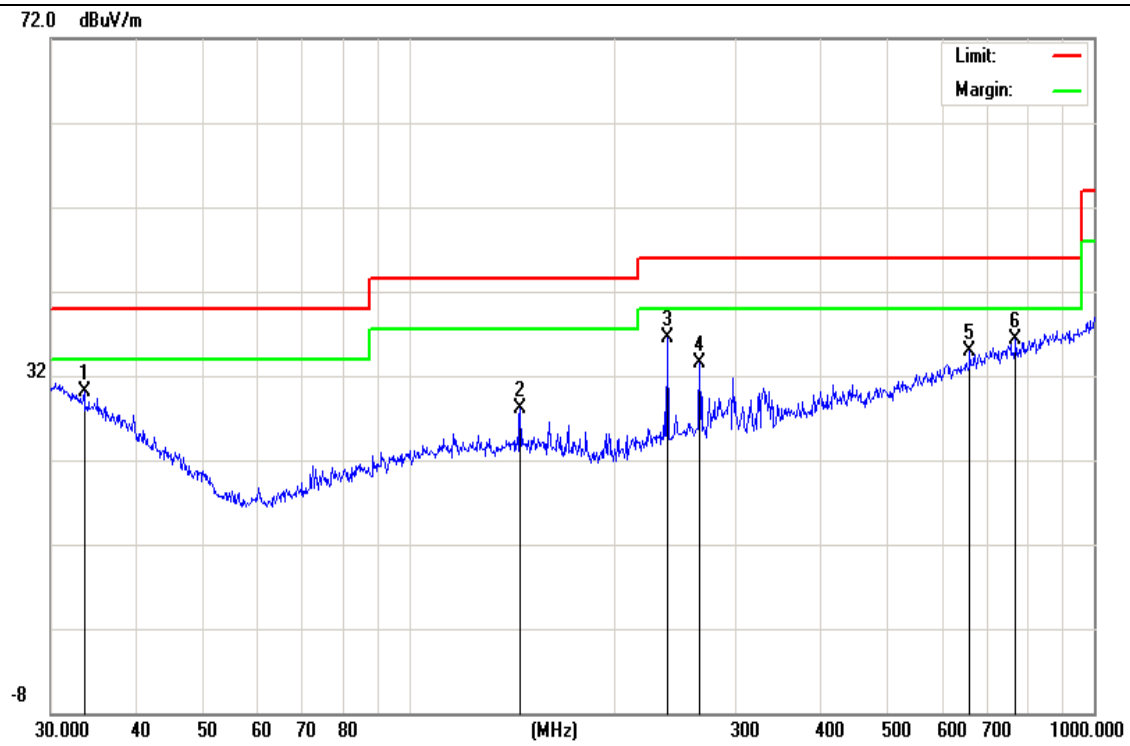
3.2.4 TEST RESULTS

TEST RESULTS (30~1000 MHz)

EUT:	Tablet PC	Model Name:	Tab 7 WiFi
Temperature:	24.5 ℃	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2022-10-09
Test Mode :	Mode 1	Polarization :	Horizontal
Test Power :	DC 5V from Adapter AC 120V/60Hz		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	33.5623	6.25	23.92	30.17	40.00	-9.83	QP
H	145.3506	9.52	18.53	28.05	43.50	-15.45	QP
H	238.3102	18.46	18.13	36.59	46.00	-9.41	QP
H	265.6757	13.83	19.61	33.44	46.00	-12.56	QP
H	658.8361	7.64	27.27	34.91	46.00	-11.09	QP
H	768.7481	7.35	28.87	36.22	46.00	-9.78	QP

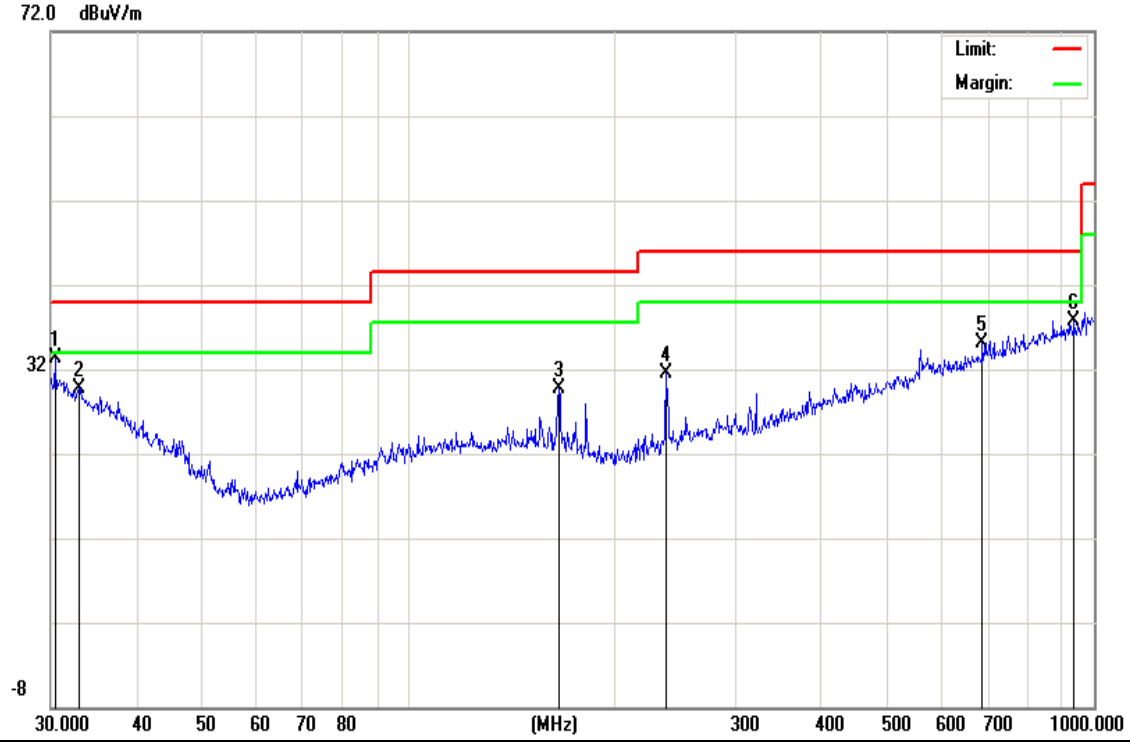
Remark:
Factor = Antenna Factor + Cable Loss - Amplifier.



EUT:	Tablet PC	Model Name :	Tab 7 WiFi
Temperature:	24.5 ℃	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2022-10-09
Test Mode :	Mode 1	Polarization :	Vertical
Test Power :	DC 5V from Adapter AC 120V/60Hz		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	30.4237	7.36	25.86	33.22	40.00	-6.78	QP
V	32.9791	5.20	24.48	29.68	40.00	-10.32	QP
V	165.4866	12.15	17.58	29.73	43.50	-13.77	QP
V	237.4760	13.36	18.10	31.46	46.00	-14.54	QP
V	687.1507	7.65	27.50	35.15	46.00	-10.85	QP
V	935.5462	6.95	30.70	37.65	46.00	-8.35	QP

Remark:
Factor = Antenna Factor + Cable Loss - Amplifier.



3.2.5 TEST RESULTS(1000~18000MHz)

EUT:	Tablet PC	Model Name :	Tab 7 WiFi
Temperature:	24.5 ℃	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2022-10-09
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 (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
V	5675.000	35.29	18.78	54.07	74.00	-19.93	peak
V	5675.000	20.36	18.78	39.14	54.00	-14.86	AVG
V	7162.500	34.25	22.54	56.79	74.00	-17.21	peak
V	7162.500	18.26	22.54	40.80	54.00	-13.20	AVG
V	8267.500	34.81	23.90	58.71	74.00	-15.29	peak
V	8267.500	18.24	23.90	42.14	54.00	-11.86	AVG
V	10520.000	35.13	25.50	60.63	74.00	-13.37	peak
V	10520.000	20.37	25.50	45.87	54.00	-8.13	AVG
V	13367.500	30.41	29.19	59.60	74.00	-14.40	peak
V	13367.500	13.56	29.19	42.75	54.00	-11.25	AVG
V	15917.500	34.22	26.38	60.60	74.00	-13.40	peak
V	15917.500	15.37	26.38	41.75	54.00	-12.25	AVG
H	4187.500	38.62	17.08	55.70	74.00	-18.30	peak
H	4187.500	22.57	17.08	39.65	54.00	-14.35	AVG
H	4831.962	35.78	19.87	55.65	74.00	-18.35	peak
H	4831.962	20.35	19.87	40.22	54.00	-13.78	AVG
H	10392.500	33.96	24.97	58.93	74.00	-15.07	peak
H	10392.500	16.33	24.97	41.30	54.00	-12.70	AVG
H	11497.500	33.90	25.43	59.33	74.00	-14.67	peak
H	11497.500	16.23	25.43	41.66	54.00	-12.34	AVG
H	13452.500	30.02	29.38	59.40	74.00	-14.60	peak
H	13452.500	13.52	29.38	42.90	54.00	-11.10	AVG
H	16002.500	33.67	26.73	60.40	74.00	-13.60	peak
H	16002.500	16.25	26.73	42.98	54.00	-11.02	AVG

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