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EMC Test Report

Client Information:

Applicant:	DOKE COMMUNICATION (HK) LIMITED		
Applicant add :	RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI HK		
Applicant add.:	CHINA		

Product Information:

Product Name:	Tablet
Model No.:	Tab 11 WIFI
Serial Model:	N/A
Brand Name:	Blackview
	ETSI EN 301 489-1 V2.2.3 (2019-11))
	ETSI EN 301 489-3 V2.3.2 (2023-01)
Standards:	ETSI EN 301 489-17 V3.2.4 (2020-09)
	EN 55032:2015+A1:2020; EN 55035:2017+A11:2020
	EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A1: 2019

Prepared By:

Dongguan Yaxu (AiT) Technology Limited

Add.: No.22, Jinqianling Third Street, Jitigang, Huangjiang, Dongguan, Guangdong, China

Date of Receipt:	2023.04.26	Date of Test: 2023.04.27~2023.05.23	
Date of Issue:	2023.05.23	Test Result: Pass	

This device has been tested and found to comply with the stated standard(s), which is (are) required by the council directive of 2014/53/EU and indicated in the test report and are applicable only to the tested sample identified in the report.

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Reviewed by: Jimba Huang

Approved by: Seal-Chev

Dongguan Yaxu (AiT) Technology Limited No.22, Jinqianling Third Street, Jitigang, Huangjiang,Dongguan, Guangdong, China



REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	1	2023.05.23	Valid	Initial Release



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2 Test Summary

Emission Measurement		
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
	ETSI EN 301 489-3 V2.3.2 (2023-01)	
Radiated Emission	ETSI EN 301 489-17 V3.2.4 (2020-09)	PASS
	EN 55032:2015+A1:2020	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
	ETSI EN 301 489-3 V2.3.2 (2023-01)	
Conducted Emission(AC Mains)	ETSI EN 301 489-17 V3.2.4 (2020-09)	PASS
	EN 55032:2015+A1:2020	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
Conducted Emission(Wired	ETSI EN 301 489-3 V2.3.2 (2023-01)	
•	ETSI EN 301 489-17 V3.2.4 (2020-09)	PASS
network ports)	EN 55032:2015+A1:2020	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
	ETSI EN 301 489-3 V2.3.2 (2013-11)	
Harmonic Current Emissions	ETSI EN 301 489-17 V3.2.4 (2020-09)	PASS
	EN IEC 61000-3-2:2019+A1:2021	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
	ETSI EN 301 489-3 V2.3.2 (2013-11)	
Voltage Fluctuations and Flicker	ETSI EN 301 489-3 V2.3.2 (2023-01) ETSI EN 301 489-17 V3.2.4 (2020-09)	PASS
	EN 61000-3-3:2013+A1: 2019	
	EN 01000-3-3.2013TA1. 2019	
Immunity Measurement		
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
Electrostatic Discharge	ETSI EN 301 489-3 V2.3.2 (2023-01)	PASS
	ETSI EN 301 489-17 V3.2.4 (2020-09)	.,,
	EN 55035:2017+A11:2020	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
RF Electromagnetic Field	ETSI EN 301 489-3 V2.3.2 (2023-01)	PASS
	ETSI EN 301 489-17 V3.2.4 (2020-09)	
	EN 55035:2017+A11:2020	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
Fast Transients Common Mode	ETSI EN 301 489-3 V2.3.2 (2023-01)	PASS
	ETSI EN 301 489-17 V3.2.4 (2020-09)	PA00
	EN 55035:2017+A11:2020	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
RF Common Mode 0,15 MHz to	ETSI EN 301 489-3 V2.3.2 (2023-01)	
80 MHz	ETSI EN 301 489-17 V3.2.4 (2020-09)	PASS
	EN 55035:2017+A11:2020	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
Voltage Dips and Interruptions	ETSI EN 301 489-17 V3.2.4 (2020-09)	PASS
	EN 55035:2017+A11:2020	
	ETSI EN 301 489-1 V2.2.3 (2019-11)	
0	ETSI EN 301 489-3 V2.3.2 (2023-01)	F 100
Surges	ETSI EN 301 489-17 V3.2.4 (2020-09)	PASS
	EN 55035:2017+A11:2020	

Remark: The measurement uncertainty is not included in the test result.



2.1 Performance criteria

Performance Criterion of EN55035

Criterion A: The equipment shall continue to operate as intended without operator intervention. No degradation of performance of loss of function is allowed below a performance level specified by the manufacturer when the equipment is used as intended.

Criterion B: After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacturer, when the equipment is used as intended.

Criterion C: Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions.



2.2 Monitoring EUT in Immunity Test

2.2.1 Monitoring for Continuous Phenomena Applied to the EUT

According to ETSI EN 301 489-3 standard, the general performance criteria are as follows:

EN 301 489-3 PERFORMANCE CRITERIA			
Criteria	Criteria During Test After Test		
A	Operate as intended No loss of function No unintentional responses	Operate as intended No loss of function No degradation of performance No loss of stored data or user programmable functions	
В	May show loss of function No unintentional responses	Operate as intended Lost function(s) shall be self-recoverable No degradation of performance No loss of stored data or user programmable functions	
 performance criterion A applies for immunity tests with phenomena of a continuous nature; performance criterion B applies for immunity tests with phenomena of a transient nature. 			
Where "operate as intended" or "no loss of function" is specified, the EUT shall demonstrate correct functioning as described in EN 301 489-3 clause 5. Where the EUT has more than one mode of operation, an unplanned transition from one mode to another is considered as an unintentional response. The EUT shall be tested in sufficient modes to confirm there are no such unintentional responses.			

According to ETSI EN 301 489-19 standard, the general performance criteria are as follows:

EN 301 489-19 PERFORMANCE CRITERIA_GPS

Performance criteria for Continuous phenomena applied to ROMES and ROGNSS receivers (CR) For the EUT, excluding spot frequency tests as part of the immunity test with radiated RF electromagnetic fields (see ETSI EN 301 489-1 [1], clause 9.2):

- the general performance criteria set out in clause 6.1;
- during the test no false calls shall occur;
- at the conclusion of the test comprising the series of individual exposures, the EUT shall operate as intended with no loss of functions or stored data (messages), as declared by the manufacturer.

Performance criteria for Transient phenomena applied to ROMES and ROGNSS receivers (TR) For the EUT:

- the general performance criteria set out in clause 6.1;
- during the test no false calls shall occur;
- at the conclusion of the test comprising the series of individual exposures, the EUT shall operate as intended with no loss of function and/or stored data (messages), as declared by the manufacturer.

According to ETSI EN 301 489-17 standard, the general performance criteria are as follows:



EN 301 489-17 PERFORMANCE CRITERIA_ Bluetooth/WLAN

Criteria	During Test	After Test (i.e. as a result of the application of the test)
A	Shall operate as intended.(see note).Shall be no loss of function.Shall be no unintentionaltransmissions.	Shall operate as intended. Shall be no degradation of performance. Shall be no loss of function. Shall be no loss of critical stored data.
В	May be loss of function.	Functions shall be self-recoverable. Shall operate as intended after recovering. Shall be no loss of critical stored data.
С	May be loss of function.	Functions shall be recoverable by the operator. Shall operate as intended after recovering. Shall be no loss of critical stored data.

The performance criteria A shall apply for continuous phenomena.

The performance criteria B shall apply for transient phenomena, except for voltage dips greater than or equal to 100 ms and voltage interruptions of 5 000 ms duration, for which performance criteria C shall apply. Where the EUT is a transmitter in standby mode or receive mode, unintentional transmission shall not occur during the test.

Note: Operate as intended during the test allows a level of degradation in accordance with the Minimum performance level.

Minimum performance level

For equipment that supports a PER or FER, the minimum performance level shall be a PER or FER less than or equal to 10 %.

For equipment that does not support a PER or a FER, the minimum performance level shall be no loss of the wireless transmission function needed for the intended use of the equipment.

According to ETSI EN 301 489-52 standard, the general performance criteria are as follows:

CLAUSE 6 OF EN 301 489-52_(GSM/WCDMA/LTE/NR)			
Criteria	Performance criteria		
	Performance criteria for Continuous phenomena applied to Transmitters (CT)		
	A communication link shall be established at the start of the test, and maintained during the test,		
	see clauses 4.2.3 and 4.2.4.		
	NOTE: When there is a high_level background noise present the filter bandwidth can be		
	reduced down to a minimum of 40 Hz.		
	At the conclusion of the test, the EUT shall operate as intended with no loss of user control		
	functions or stored data, and the communication link shall have been maintained. In addition to		
	confirming the above performance during a call, the test shall also be performed in idle mode,		
	and the transmitter shall not unintentionally operate.		
CT/CR	Performance criteria for Continuous phenomena applied to Receivers (CR)		
onon	A communications link shall be established at the start of the test, see appropriate clauses 4.2 to		
	4.2.6.		
	During the test, the RXQUAL of the downlink shall not exceed the value of three, measured		
	during each individual exposure in the test sequence.		
	During the test, the downlink speech output level shall be at least 35 dB less than the previously		
	recorded reference levels, when measured through an audio band pass filter of width 200 Hz,		
	centered on 1 kHz (audio breakthrough check).		
	NOTE: When there is a high level background noise present the filter bandwidth can be reduced		
	down to a minimum of 40 Hz.		
	At the conclusion of the test, the EUT shall operate as intended with no loss of user control		



	functions or stored data, and the communication link shall have been maintained.		
	Performance criteria for Transient phenomena applied to Transmitters (TT)		
	A communications link shall be established at the start of the test, see appropriate clauses 4.2 to		
	4.2.4.		
	At the conclusion of each exposure the EUT shall operate with no user noticeable loss of the		
	communication link.		
	At the conclusion of the total test comprising the series of individual exposures, the EUT shall		
	operate as intended with no loss of user control functions or stored data, as declared by the		
	manufacturer, and the communication link shall have been maintained.		
	In addition to confirming the above performance during a call, the test shall also be performed in		
TT/TR	idle mode, and the transmitter shall not unintentionally operate.		
11/11	Performance criteria for Transient phenomena applied to Receivers (TR)		
	A communications link shall be established at the start of the test, see appropriate clauses 4.2.		
	to 4.2.6.		
At the conclusion of each exposure the EUT shall operate with no user noticeable			
	communication link.		
At the conclusion of the total test comprising the series of individual exposures,			
	operate as intended with no loss of user control functions or stored data, as declared by the		
	manufacturer, and the communication link shall have been maintained.		
	Performance criteria for ancillary equipment tested on a standard basis		
	The provision of ETSI EN 301 489-1 [1], clause 6.4 shall apply.		

Note:

For data transmission, the EUT was assessed in the following methods:

For WCDMA testing, the BER (as referred in TS 134 109 [9]) is used, it shall not exceed 0.1% during the test sequence.

For LTE testing, the throughput (as referred in TS 134 109 [9]) is used, it shall not exceed 0.1% during the test sequence.

Note: All test modes have been tested during the test.



2.3 Measurement Uncertainty

The report uncertainty of measurement $y \pm U$, 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%.

No.	Item	Frequency Range	U , Value
1	Power Line Conducted Emission	150KHz~30MHz	1.20 dB
2	Disturbance Power Emission	30MHz~300MHz	2.96 dB
3	Radiated Emission Test	30MHz~1GHz	3.75 dB
4	Radiated Emission Test	1GHz~18GHz	3.88 dB



3 Test Facility

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

CNAS- Registration No: L6177

Dongguan Yaxu (AiT) technology Limited is accredited to ISO/IEC 17025:2017 general Requirements for the competence of testing and calibration laboratories (CNAS-CL01 Accreditation Criteria for the competence of testing and calibration laboratories) on April 18, 2022

FCC-Registration No.: 703111 Designation Number: CN1313

Dongguan Yaxu (AiT) technology Limited 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.

IC — Registration No.: 6819A CAB identifier: CN0122

The 3m Semi-anechoic chamber of Dongguan Yaxu (AiT) technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 6819A

A2LA-Lab Cert. No.: 6317.01

Dongguan Yaxu (AiT) technology Limited has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

3.1 Deviation from Standard

None

3.2 Abnormalities from Standard Conditions

None



4 General Information

4.1 General Description of EUT

Manufacturer:	Shenzhen DOKE Electronic Co., Ltd
Manufacturer Address:	801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China
EUT Name:	Tablet
Model No:	Tab 11 WIFI
Serial Model:	N/A
Brand Name:	Blackview
Difference Description	N/A
Radio parts supported	□ GPS⊠ BLUETOOTH ⊠ 2.4G WIFI⊠ 5G WIFI ⊠ FM
H/W No.:	WT_DK047_8183_BED_UMCP_MB_V2.0
S/W No.:	Tab11WiFi_NEU_MT8183_V1.0
Adapter:	Model:QZ-01800EA00 Input:100-240V 50/60Hz 0.35A; Output: 5V/9V 3A or 12V 2.5A,15V 2A, 20V 1.5A
Battery:	3.8V 8380mAh

NOTE: EUT Input: DC 5V 3A



4.2 EUT Test Mode

MODE 1 IDLE MODE	Specification: MS + Battery + Adapter
MODE 2 BLUETOOTH MODE	Specification: MS + Battery+ Adapter
MODE 3 2.4GWIFI MODE	Specification: MS + Battery+ Adapter
MODE 4 5GWIFI MODE	Specification: MS + Battery+ Adapter
MODE 5 GPS&GALILEO&BEIDOU& GLONASS& GLONASS MODE	Specification: MS + Battery+ Adapter
MODE 6	Camera (By Adapter Charging)
MODE 7	Sound Recorder (By Adapter Charging)
MODE 8	Audio Play (By Adapter Charging)
MODE 9	Video Play (By Adapter Charging)
MODE 10	IDLE Mode (By Adapter Charging)
MODE 11	USB Mode (By PC data transferring)
Note: EMI and EMS contain the all the report.	bove test modes. All the modes had been tested but only the worst data recorded in

Note:

1) ■ is operation mode.

2) Pre-scan above all test mode, found below test mode which it was worse case mode. Test results reported represents the worst case simultaneous transmission condition.

Pre-test conducted emission and radiated emission at both voltage AC 120V/60Hz and AC 230V/50Hz, recorded worst case.

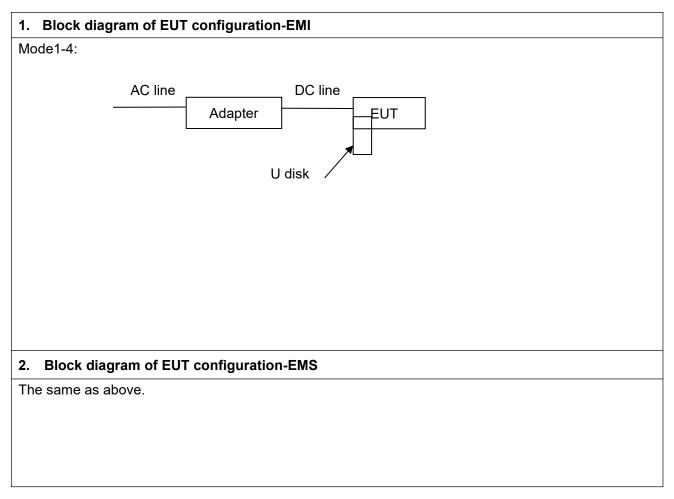
Pre-test radiated emission with the EUT position at X-axis, Y-axis and Z-axis, recorded worst case.

Test item	Test mode (Worse case mode)
Conducted emission	Mode 7
Radiated emission	Mode 9
EMS	All Mode



4.3 Description of Test Setup

EUT was tested in normal configuration (Please See following Block diagrams)





4.4 Test Peripheral List

No.	Equipment	Manufacturer	EMC Compliance	Model No.	Serial No.	Power cord	Remark
1					N/A	N/A	N/A

4.5 EUT Peripheral List

No.	Equipment	Manufacturer	EMC Compliance	Model No.	Serial No.	signal cable	Remark
1	Adapter		CE	QZ-01800EA00	N/A	N/A	N/A



5 Equipments List for All Test Items

	Radiation Test Equipment									
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date				
1	EMI Measuring Receiver	R&S	ESR	101160	2022.09.02	2023.09.01				
2	Low Noise Pre Amplifier	Tsj	MLA-10K01-B01-27	1205323	2022.09.02	2023.09.01				
3	TRILOG Super Broadband test Antenna	SCHWARZBECK	VULB9160	9160-3207	2021.08.29	2024.08.28				
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2022.09.02	2023.09.01				
5	Spectrum Analyzer	R&S	FSV40	101470	2022.09.02	2023.09.01				
6	Low Noise Pre Amplifier	Tsj	MLA-0120-A02-34	2648A04738	2022.09.02	2023.09.01				
7	Broadband Horn Antenna	Schwarzbeck	BBHA 9120D	452	2021.08.29	2024.08.28				
8	Filter	MICRO-TRONICS	BRM50702-02	16	2022.09.02	2023.09.01				
9	Filter	MICRO-TRONICS	BRC50703-02	17	2022.09.02	2023.09.01				
10	Filter	MICRO-TRONICS	BRC50705-02	18	2022.09.02	2023.09.01				

	Conduction Test equipment										
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date					
1	EMI Test Receiver	R&S	ESCI	100124	2022.09.02	2023.09.01					
2	LISN	Kyoritsu	KNW-242	8-837-4	2022.09.02	2023.09.01					
3	LISN	R&S	ESH3-Z2	0357.8810.54- 101161-S2	2022.09.02	2023.09.01					
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2022.09.02	2023.09.01					

	H/F Test Equipment									
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date				
1	Signal Conditioning Unit	Schaffner	CCN1000-1	72472	2022.09.02	2023.09.01				
2	5KV AC Power Source	Schaffner	NSG1007-5-208-413	57227	2022.09.02	2023.09.01				



	🖂 ESD Test Equipment							
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date		
1	ESD Simulator	Schaffner	NSG435	5866	2022.09.02	2023.09.01		

	☑ R/S Test Equipment								
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date			
1	MXG analog signal generator	Agilent	N5181A	MY46240859	2022.09.02	2023.09.01			
2	Power Amplifier	Schaffner	CBA9433	T43574	2022.09.02	2023.09.01			
3	Power Amplifier	Schaffner	CBA9409	T43605	2022.09.02	2023.09.01			
4	Power Amplifier	Micotop	MPA-3000-6000-50	MPA03724	2022.09.02	2023.09.01			
5	Logarithmic-perio dic Antenna	Schwarzbeck	VULP9118E	820	2022.09.02	2023.09.01			
6	Broadband Horn Antenna	Schwarzbeck	BBHA 9120LF	255	2022.09.02	2023.09.01			
7	Power meter	Agilent	E4419B	MY45102079	2022.09.02	2023.09.01			
8	Power sensor	Agilent	8481A	MY41097696	2022.09.02	2023.09.01			
9	Power sensor	Agilent	8481A	MY41097697	2022.09.02	2023.09.01			
10	RF Relay matrix	tsj	RFM-S621	04261	2022.09.02	2023.09.01			

	EFT/B Test equipment										
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date					
1	INS6501 Step-transformer	Schaffner	INA 6501	136	2022.09.02	2023.09.01					
2	MODULA GENERATOR	Schaffner	MODULA 6150	34475	2022.09.02	2023.09.01					
3	Capacitive Coupling Clamp	Schaffner	CDN8014	22519	2022.09.02	2023.09.01					

	Surge Test Equipment									
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date				
1	INS6501 step-transformer	Schaffner	INA 6501	136	2022.09.02	2023.09.01				
2	MODULA GENERATOR	Schaffner	MODULA 6150	34475	2022.09.02	2023.09.01				



		\square	C/S Test Equipme	ent	-	
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	SML01 Signal Generator	R&S	SML01	104531	2022.09.02	2023.09.01
2	Power Amplifier	Schaffner	CBA9437	T43660	2022.09.02	2023.09.01
3	Attenuator	Aeroflex / Weinschel	40-6-33	PA130	2022.09.02	2023.09.01
4	Power Line CDN	tsj	TSCDN-M1-16A	07010	2022.09.02	2023.09.01
5	Power Line CDN	tsj	TSCDN-M2-16A	07024	2022.09.02	2023.09.01
6	Power Line CDN	tsj	TSCDN-M3-16A	07032	2022.09.02	2023.09.01

		🖂 PF	MF Test Equipr	nent		
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	Magnetic field generator	Schaffner	MFO6501	34299	2022.09.02	2023.09.01
2	Magnetic Field Loop Antenna	Schaffner	INA 702	148	2022.09.02	2023.09.01

			Dips Test Equipr	nent		
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	INS6501 Step-transformer	Schaffner	INA 6501	136	2022.09.02	2023.09.01
2	MODULA GENERATOR	Schaffner	MODULA 6150	34475	2022.09.02	2023.09.01

		\boxtimes	Others Test Equip	oment		
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	Wideband communication tester	R&S	CMW500	1201.0002K5 0	2022.09.02	2023.09.01

Note:

1. \Box is not applicable in this Test Report. \boxtimes is applicable in this Test Report.



6 Emission Test Results

6.1 Conducted Emission(AC Mains) Measurement

Frequency (MHz)		Class A (dBµV)	🖂 Clas	ss B (dBµV)	
	Q.P. (Quasi	-Peak)	A.V. (Average)) Q.P. (Quasi-Peak) A.V. (A	verage)
0.15 ~ 0.50	79		66	66 to 56	56	to 46
0.50 ~ 5.0	73		60	56		46
5.0 ~ 30	73		60	60		50
etector:		•	•	olution Bandwidth) imized peak within 6dB o	of Average Li	mit
.1.1 E.U.T. Ope	ration					
Temperature:	23∘C	Humidity:	55% RH	Atmospheric Pressure	e: 101	Kpa
Test Mode:		All Modes	3	The Worst Mode reported:	МС	DE 10
5. 1.2 Test Speci	fication 80cm		EU		C.P.	t Receiver

EUT was placed upon a wooden test table 0.8m above the horizontal metal reference plane and 0.4m from the vertical ground plane, and it was connected to an AMN. The closest distance between the boundary of the EUT and the surface of the AMN is 0.8m. All peripherals were connected to another AMN, and placed at a distance of 10cm from each other. A spectrum and receiver was connected to the RF output port of the AMN. Both average and quasi-peak value were detected.



6.1.3 Measurement Data

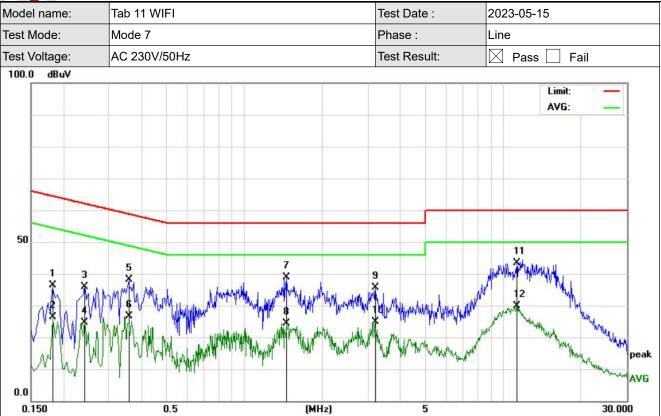
An initial pre-scan was performed on the live and neutral lines.

Quasi-peak or average measurements were performed at the frequency which maximum peak emissions were detected.

Please refer to the attached quasi-peak & average measurement data.



Report No.: AIT23042604CE1



Remark: Correct Factor = LISN factor + Cable Loss + Pulse limiter factor.

Measurement Result=Reading Level +Correct Factor;

Over Limit= Measurement Result- Limit;

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detecto
1	0.1819	24.95	11.36	36.31	64.39	-28.08	QP
2	0.1819	15.13	11.36	26.49	54.39	-27.90	AVC
3	0.2420	24.89	10.91	35.80	62.02	-26.22	QP
4	0.2420	13.83	10.91	24.74	52.02	-27.28	AVC
5	0.3580	27.88	10.16	38.04	58.77	-20.73	QP
6	0.3580	16.48	10.16	26.64	48.77	-22.13	AVC
7	1.4620	28.92	9.96	38.88	56.00	-17.12	QP
8	1.4620	14.36	9.96	24.32	46.00	-21.68	AVC
9	3.2100	25.57	10.04	35.61	56.00	-20.39	QP
10	3.2100	14.84	10.04	24.88	46.00	-21.12	AVC
11 *	11.2980	33.00	10.33	43.33	60.00	-16.67	QP
12	11.2980	19.52	10.33	29.85	50.00	-20.15	AVC

Model name:

Tab 11 WIFI

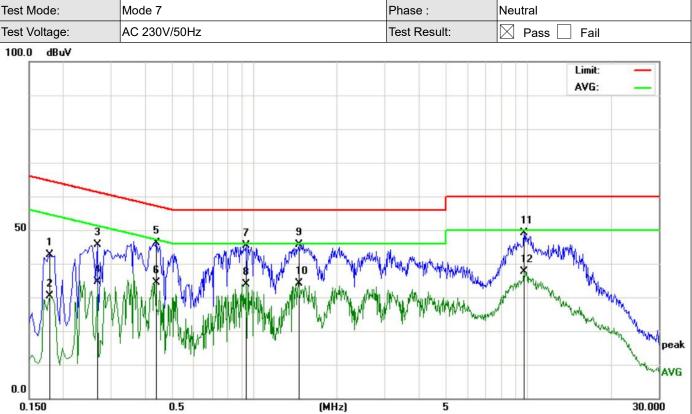
Test Date :

2023-05-15

Dongguan Yaxu (AiT) Technology Limited No.22, Jinqianling Third Street, Jitigang, Huangjiang,Dongguan, Guangdong, China



Report No.: AIT23042604CE1



Remark: Correct Factor = LISN factor + Cable Loss + Pulse limiter factor.

Measurement Result=Reading Level +Correct Factor;

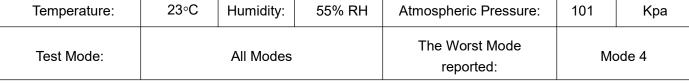
Over Limit= Measurement Result- Limit;

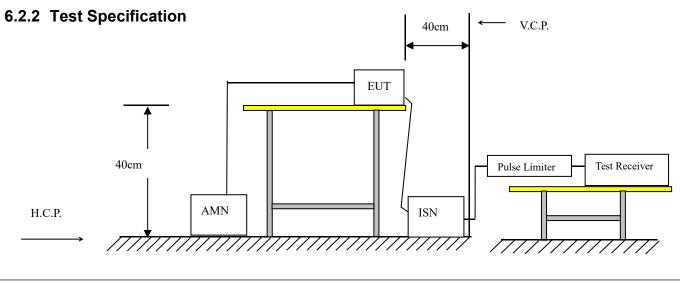
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1780	31.19	11.41	42.60	64.57	-21.97	QP
2		0.1780	18.95	11.41	30.36	54.57	-24.21	AVG
3		0.2660	34.85	10.84	45.69	61.24	-15.55	QP
4		0.2660	23.77	10.84	34.61	51.24	-16.63	AVG
5		0.4380	36.07	10.08	46.15	57.10	-10.95	QP
6		0.4380	24.21	10.08	34.29	47.10	-12.81	AVG
7		0.9300	35.44	9.94	45.38	56.00	-10.62	QP
8		0.9300	23.84	9.94	33.78	46.00	-12.22	AVG
9	*	1.4500	35.73	9.96	45.69	56.00	-10.31	QP
10		1.4500	24.06	9.96	34.02	46.00	-11.98	AVG
11		9.6980	38.98	10.18	49.16	60.00	-10.84	QP
12		9.6980	27.36	10.18	37.54	50.00	-12.46	AVG



6.2 Conducted Emission(Wired network ports) Measurement

	Class /	λ (dBμV)	⊠ Class B (dBµV)					
Frequency (MHz)	Q.P. (Quasi-Peak)	A.V. (Average)	Q.P. (Quasi-Peak)	A.V. (Average)				
0.15 ~ 0.50	97 to 87	84 to 74	84 to 74	74 to 64				
0.50 ~ 30	87	74	74	64				
	Peak for pre	-scan (9kHz Resoluti	ion Bandwidth)					
Detector:		Quasi-Peak & Average if maximized peak within 6dB of Average Limit						
6.2.1 E.U.T. Ope								





EUT was placed upon a wooden test table 0.4m above the horizontal metal reference plane and 0.4m from the vertical ground plane, and it was connected to an AMN. The closest distance between the boundary of the EUT and the surface of the AMN is 0.8m. All peripherals were connected to another AMN, and placed at a distance of 10cm from each other. A ISN is used for connect the Wired network ports of the EUT and the Test Peripheral, A spectrum and receiver was connected to the RF output port of the ISN. Both average and quasi-peak value were detected.



6.2.3 Measurement Data

Not Applicable



Test Mode:

Mode 4

6.3 Radiated Emission Measurement

_	🗌 Class A (10m)				🛛 Class	B (3m)			
Frequency (MHz)	Quasi-Peak dB(µV/m)				Quasi-Peak	dB(µV/m))		
30 ~ 230		40.0			40.0				
230 ~ 1000		47.0			47.0				
imits of Radiated Em	ission Mea	surement (Abo	ove 1GHz)						
		🗌 Class A (3m)			⊠ Class	B (3m)			
Frequency (MHz)	Quasi-Peak		Average	Qua	si-Peak	Aver	age		
	dB(µV/m)		dB(µV/m)	dB(dB(µV/m) dE		V/m)		
1000~6000	76	6.0	56.0	7	/4.0	54	.0		
6.3.1 E.U.T. Opera	ation			·					
	24∘C	Humidity:	52% RH	Atmospheri	_	101	Кра		

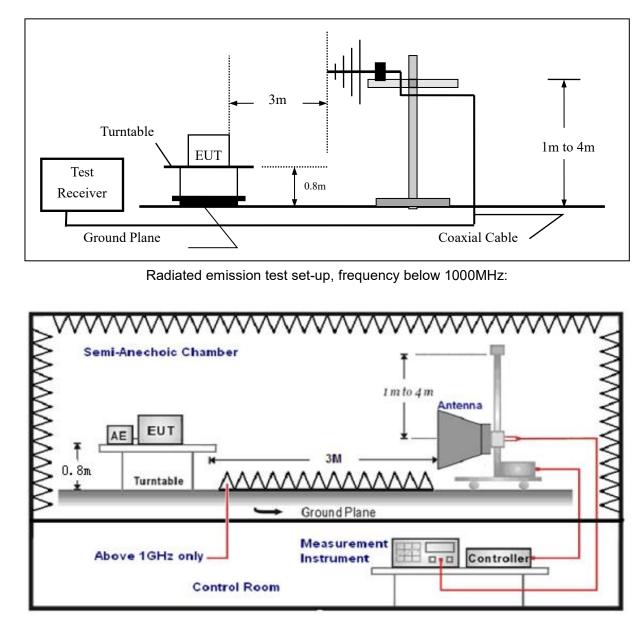
All Modes

The Worst Mode

reported:



6.3.2 Test Specification



Radiated emission test set-up, frequency above 1000MHz

EUT was placed upon a wooden test table which was placed on the turn table 0.8m above the horizontal metal ground plane, and operating in the mode as mentioned above. A receiving antenna was placed 3m away from the EUT. During testing, turn around the turn table and move the antenna from 1m to 4m to find the maximum field-strength reading. All peripherals were placed at a distance of 10cm between each other. Both horizontal and vertical antenna polarities were tested.



6.3.3 Measurement Data



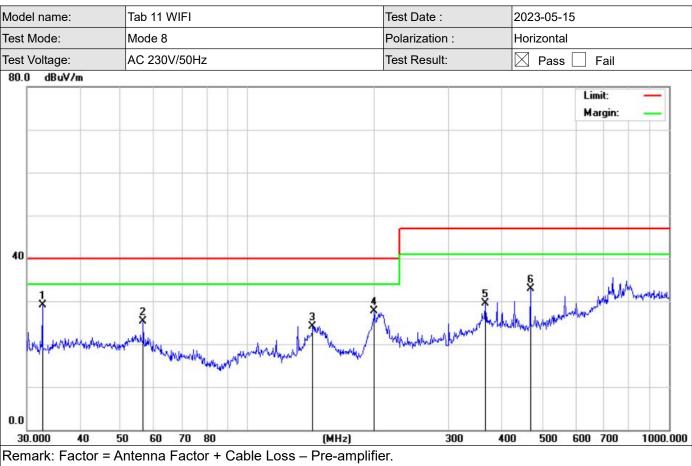
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Measurement Result=Reading Level +Correct Factor;

Over Limit= Measurement Result- Limit;

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detecto
1		42.1542	19.35	3.96	23.31	40.00	-16.69	QP
2		105.6415	22.06	- <mark>1</mark> .31	20.75	40.00	-19.25	QP
3		199.9856	26.29	-1.32	24.97	40.00	-15.03	QP
4	1	273.2341	26.68	-0.06	26.62	47.00	-20.38	QP
5	9	429.5228	27.05	7.26	34.31	47.00	-12.69	QP
6	*	468.8762	27.75	8.12	35.87	47.00	-11.13	QP

Note: While performing the testing, the notch filter is used for avoiding test instrument overload.





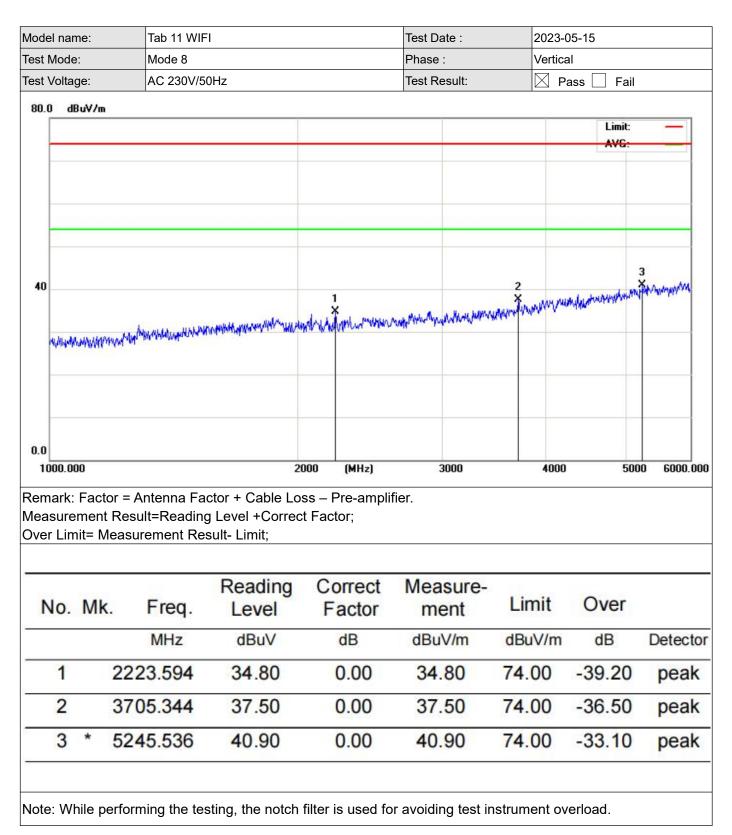
Measurement Result=Reading Level +Correct Factor;

Over Limit= Measurement Result- Limit;

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	32.6340	28.26	0.90	29.16	40.00	-10.84	QP
2		56.5929	26.28	-1.04	25.24	40.00	-14.76	QP
3	8	142.8243	25.61	-1.41	24.20	40.00	-15.80	QP
4	5	199.9856	28.15	-0.52	27.63	40.00	-12.37	QP
5	:	366.8231	24.05	5.44	29.49	47.00	-17.51	QP
6		468.8761	27.70	5.16	32.86	47.00	-14.14	QP

Note: While performing the testing, the notch filter is used for avoiding test instrument overload.







	Tab 11 WIF			Test Date :	2023-05-15		
:	Mode 8			Polarization :	Horizo	ontal	
ge:	AC 230V/5	0Hz		Test Result:	Pa	ass 🗌 Fail	
Bu∀/m						Limit: AVG:	
the and the series	nyalahiradahir-tahusalah	d. Waren Adamerra ya mada da da	wooddallangithawyt	า รูปราชายินไปเชียงการเป็นเป็นปราชายินได้ไป	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		3 6 1/11/10/10/10/10/10/10/10/10/10/10/10/10
Factor = ment Re	sult=Reading	ctor + Cable Los g Level +Correc	ss – Pre-amplif	3000 fier.	4000	5000	6000.00
ni mou	зпетен ке						
Mk.		Reading	Correct	Measure-	Limit	Over	
Mk.	Freq.		Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detecto
	Freq.	Reading Level	Factor	ment			
34	Freq. MHz	Reading Level dBuV	Factor dB	ment dBuV/m	dBuV/m	dB	Detecto peak peak
	00 Factor = ment Re	00 Factor = Antenna Fac	BuV/m BuV/m 00 20 Factor = Antenna Factor + Cable Los	BuV/m BuV/m 00 2000 Image: State of the state	BuV/m BuV/m 1 1 1 1 1 1 1 1 1 1 1 1 1	BuV/m BuV/m BuV/m Duble Correct Factor; BuV/m	BuV/m BuV/m BuV/m Duble Control Con



6.4 Harmonics 100Hz to 2kHz Frequency Range: EN 61000-3-2 Test Requirement: 6.4.1 E.U.T. Operation 25°C 101 Temperature: Humidity: 50% RH Atmospheric Pressure: Kpa The Worst Mode Test Mode: All Modes Mode 4 reported: 6.4.2 Test specification Voltage Supply To EUT To AC Mains Power Supply Power Analyzer & Power Source EUT Non-Metallic Table EUT operated in the mode as mentioned above, and connected to Harmonic/Flicker measuring equipment which was connected to an AC power source. Measurement was performed after EUT operating in static state for 10 seconds. Each order harmonics found to meet the relevant limits.



6.4.3 Measurement Data

Test Requirement:	EN IEC 61000-3-2	
Frequency range:	100Hz to 2kHz	
Measurement Time:	3 min	
Test result:	N/A (See Remark Below)	

Remark:

Since the EUT (rated power is less than 75W) was belong to exception of clause 7 and Annex C, according to EN 61000-3-2 figure 1, it was deemed to conform to the requirements of this standard without further testing.

"The procedure for applying the limits and assessing the results is shown in Figure 1. For the following categories of equipment limits are not specified in this edition of the standard.

Note 1: Equipment with a rated power of 75W or less, other than lighting equipment. NOTE 2 This value may be reduced from 75 W to 50 W in the future, subject to approval by National Committees at that time.

- professional equipment with a total rated power greater than 1 kW;

 – symmetrically controlled heating elements with a rated power less than or equal to 200 W;

 independent dimmers for incandescent lamps with a rated power less than or equal to 1 kW.

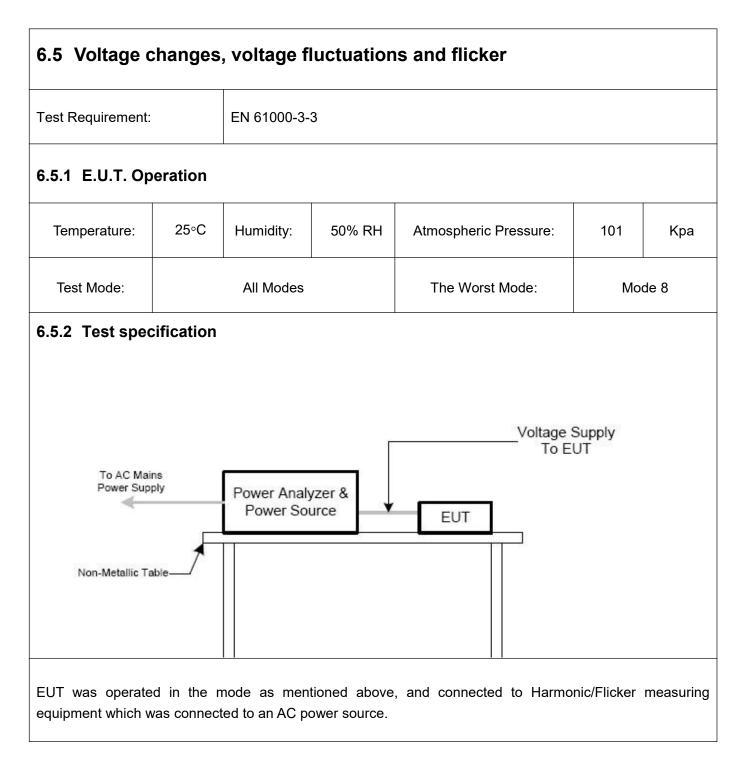
NOTE 3 See also C.5.3."

And

No limit applies for all lighting equipments with active input power ≤25 W except Discharge lighting equipment (refer to 7.3 b)

For further details, please refer to Clause 7 & Annex C of EN 61000-3-2 for reference.



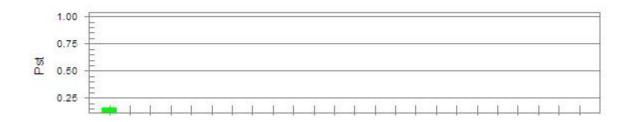




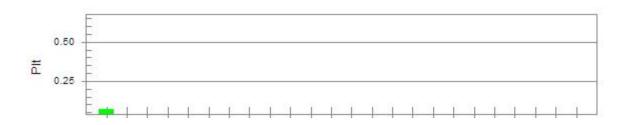
6.5.3 Measurement Data

M/N:	Tab 11 WIFI	Test Result: 🛛 Pass 🗌 Fail
Test Voltage:	AC 230V/50Hz	Test date: 2023-05-15

Test category: All parameters (European limits)Test Margin: 100Test Result: PassStatus: Test CompletedPsti and limit lineEuropean Limits



Plt and limit line



Test limit:

Parameter values recorded during the test:

Highest Plt (2 hr. period):

Vrms at the end of test (Volt): 230.53 3.30 Highest dt (%): 0.18 Test limit (%): Time(mS) > dt: 0.0 Test limit (mS): 500.0 0.00 Highest dc (%): Test limit (%): 3.30 Test limit (%): 4.00 Highest dmax (%): 0.22 Highest Pst (10 min. period): 0.051 **Test limit:** 1.000

0.017

Pass

Pass

Pass

Pass

Pass

Pass

0.650



7 Immunity Test Results

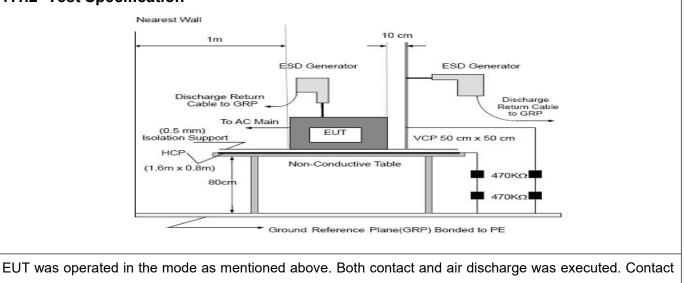
7.1 Electrostatic discharge immunity test

Acceptable Performance Criterion:	В	
Discharge Impedance:	330 Ω / 150 pF	
Discharge Voltage:	Air Discharge:	±4 KV, ±8 kV
	Contact Discharge:	±2 kV, ±4 kV
	VCP, HCP:	±2 kV, ±4 kV
Polarity:	Positive & Negative	
Minimum discharge Interval:	1 second	

7.1.1 E.U.T. Operation

Temperature:	25∘C	Humidity:	50% RH	Atmospheric Pressure:	101	Кра
Test Mode: All Modes						

7.1.2 Test Specification



EUT was operated in the mode as mentioned above. Both contact and air discharge was executed. Contact discharge to the conductive surfaces and to coupling planes; air discharge at insulating surfaces. Each test point shall be subjected to 10 discharges at least (For each voltage and polarity).



7.1.3 Measurement Data

	Electrostatic Discharge Test Results																	
M/N:	Tat	o 11	WIF	I					Т	est l	Resu	lt:	K F	Pass	;	Fai	il	
Test Voltage:	AC	230	V/50)Hz					Т	est o	date:	202	23-0	5-15				
Discharge times		Contact discharge: minimum 10 times (+/-respectively) at each point, Air discharge: minimum 10 times (+/- respectively) at each point.																
Discharge Mode		Air Discharge Contact Discharge Performance																
Test level (kV)	4	1	8	8	1	0	1	5		2	4	Ļ	(3	8	8 Criterion Result		
Test Location	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
НСР	1	1	1	1	1	1	1	/	A	A	A	A	1	7	/	1		Pass
VCP	/	/	1	/	/	/	1	/	Α	Α	А	Α	1	/	/	/		Pass
A1	В	В	В	в	/	/	/	1	/	/	/	/	/	/	/	/		Pass
A2	В	В	В	В	/	1	/	1	/	1	/	/	/	1	1	1	В	Pass
A3	В	В	В	В	/	/	/	/	/	1	/	/	/	/	/	1		Pass
A4	В	В	В	В	/	/	/	/	/	/	/	/	/	/	/	1		Pass
A5	В	В	В	в	/	/	/	1	/	1	/	/	/	/	/	/		Pass
Note 1): Horizont	al Co	bupli	ng F	lane	(HC	P) a	nd \	/ertio	al C	oupl	ing p	lane	e (VC	P).				
Note 2): " Cx " mea	ans (Cont	act F	Point	,x=^	1∼N	," A x	" me	eans	Air F	Point,	x=1	\sim N					
Note 3): "A" stand	d for,	No	degr	adat	ion i	n pe	rforn	nanc	e of	the I	EUT	was	obs	erve	d.			
	"B" stand for, Degradation in performance of the EUT occurred during the application of the																	
disturbance, after the test, EUT can self-recovered and operate as intended.																		



7.2 RF Field Strength Immunity Test

Acceptable	
Performance Criterion:	A
Test Level	3 V/m
Test Distance	3 m
Frequency Range	80MHz~6000MHz
Polarity:	Horizontal & Vertical

7.2.1 E.U.T. Operation

Temperature:	26°C	Humidity:	54% RH	Atmospheric Pressure:	101	Кра
Test Mode:				All Modes		

7.2.2 TEST PROCEDURE

The EUT and support equipment, which are placed on a table that is 0.8 meter above ground and the testing was performed in a fully-anechoic chamber.

The testing distance from antenna to the EUT was 3 meters.

The other condition as following manner:

- a. The field strength level was 3V/m.
- b. The frequency range is swept from 80 MHz to 1000 MHz, & 1000MHz 6000MHz with the signal 80%amplitude modulated with a 1kHz sine wave. The rate of sweep did not exceed 1.5x 10-3 decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.
- c. Sweep Frequency 900 MHz, with the Duty Cycle:1/8 and Modulation: Pulse 217 Hz(if applicable)
- d. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.
- e. The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.
- f. For the actual test configuration, please refer to the related Item -EUT Test Photos.



7.2.3 Test Specification Fiber 3m SG Meter Power Amplifier EUT CCD 0.8m(h) GPIB 1.5 m(h) Controller Syster Monitor TABLE-TOP EQUIPMENT The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-3 was placed on a non-conductive table 0.8 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions. FLOOR-STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-3 was placed on a non-conductive wood support 0.1 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

7.2.4 Measurement Data

Radiated Frequency Field Strength Susceptibility Results						
M/N:	Tab 11 WIFI	Test Result: 🛛 Pass 🗌 Fail				
Test Voltage:	AC 230V/50Hz	Test date: 2023.02.25~2023.03.11				
Test Port	Enclosure					



Frequency	Level	Modulation	Antenna Polarization	EUT Face	Observations (Performance Criterion)	Result
			V	Front	А	Pass
			Н	Front	А	Pass
		1 kHz, 80 % Amp. Mod, 1 % increment, dwell time=3seconds	V	Rear	А	Pass
			Н	Rear	А	Pass
			V	Left	А	Pass
80 MHz-	3		Н	Leit	А	Pass
6 GHz	V/m		V	Diaht	А	Pass
			Н	Right	А	Pass
		ume-sseconds	V	Ton	А	Pass
			Н	Тор	А	Pass
			V	Bottom	А	Pass
			Н	Bollom	А	Pass

Note: "A" stand for, during test, operate as intended no loss of function, no degradation of performance, no unintentional transmissions and after test, no degradation of performance, no loss of function, no loss of stored data or user programmable functions.

Special conditions for EMC immunity tests

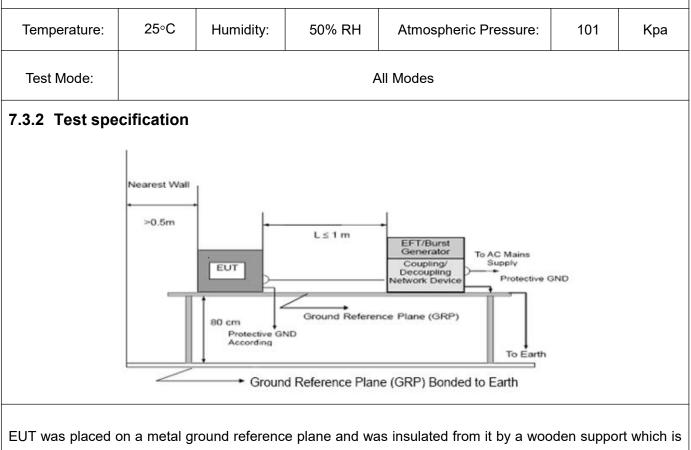
EUT operating Mode	PER during test(Worst)	PER Limit	Result
ВТ	3.77%	10%	Pass
WIFI 2.4G	3.51%	10%	Pass
WIFI 5G	3.55%	10%	Pass
GSM/GPRS/EGPRS 900 MHz, Traffic	5.00%	10%	Pass
UMTS/HSPA 900 MHz, Traffic	5.02%	10%	Pass
LTE BAND 1 Traffic	5.00%	10%	Pass
LTE BAND 3 Traffic	5.05%	10%	Pass
LTE BAND 7 Traffic	4.11%	10%	Pass
LTE BAND 8 Traffic	4.45%	10%	Pass
LTE BAND 20 Traffic	3.07%	10%	Pass



7.3 Electrical fast transient/burst immunity test

Acceptable Performance Criterion:	В
Test Level:	0.5, 1.0, kV on AC Line 0.5 kV on DC line or signal or wired network Line
Repetition Frequency:	5 kHz and 100KHz
Burst Duration:	300 ms
Test Duration:	1 minutes for each level & polarity

7.3.1 E.U.T. Operation



EUT was placed on a metal ground reference plane and was insulated from it by a wooden support which is 0.1m thick. The ground reference plane is connected to the protective earth. The test generator and the coupling/decoupling network were placed directly on, and bonded to the ground reference plane.



7.3.3 Measurement Data

	Electrical Fast Transient/Burst Result											
M/N:		Tab 11 W	ΊFI		Test Result: 🛛 Pass 🗌 Fail							
Test Volta	age:	AC 230V/50Hz				Test d	Test date: 2023.03.08					
Test \$	Signal	Ri	se time:	5ns, D	uration: {	50ns,	repetitio	n rate :	🛛 5KH	z 🗌 100KI	Ηz	
				Test	level (k∖	′)				ormance iterion	Result	
Coupin	ng Line	0.5	5	1	1		2		4			
		+	-	+	-	+	-	+	-			
	L	A	A	A	A	/	/	/	/		Pass	
	N	А	A	А	A	/	/	/	/		Pass	
AC	L+N	A	A	A	A	/	/	/	/		Pass	
line	L+PE	1	1	1	/	/	/	/	/		N/A	
	N+PE	1	1	/	/	/	/	/	/		N/A	
	L+N+P E	1	/	/	/	/	/	/	/	В	N/A	
Wired network Line	RJ45	1	1	1	/	/	/	/	/		Pass	
Wired network	xDSL	1	/	/	/	/	/	/	/		N/A	
Signal Line	/	1	/	/	/	/	/	/	/		N/A	
DC Line	/	1 1 1 1 1 1 1 1						N/A				
"	A" stand for B" stand f listurbance	or, Degrad	lation in	perform	ance of	the EU	T occur	red du	-	applicatio	n of the	



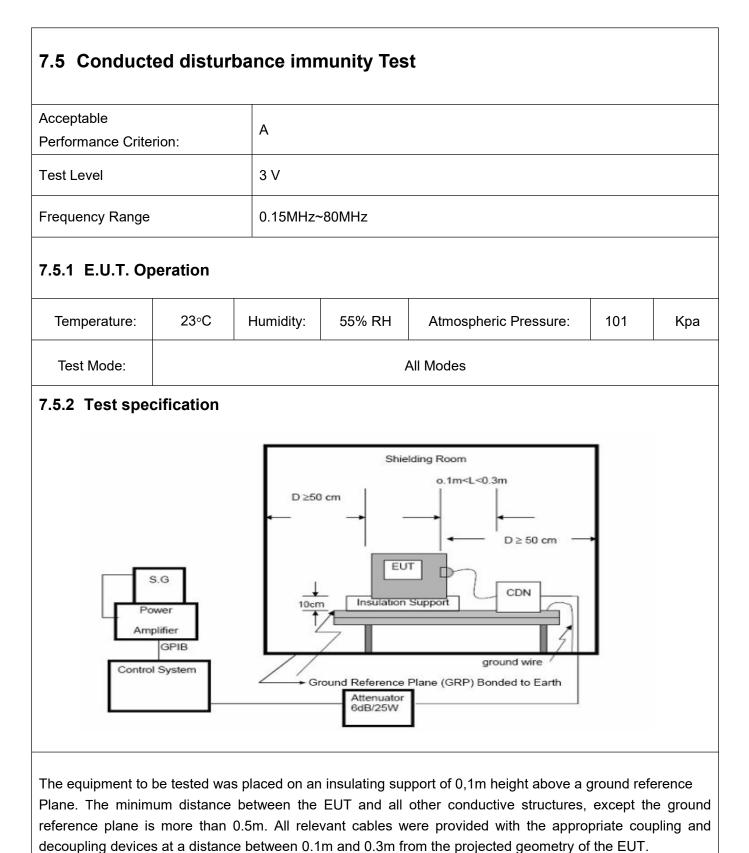
7.4 Surge immunity test Acceptable В Performance Criterion: 0.5, 1kV Line to Neutral; 0.5, 1kV, 2kV Line to earth; Test Level: 0.5, 1kV Wired network Line Polarity: **Positive & Negative** 2Ω; Generator source impedance: Trigger Mode: Internal No. of surges: 5 positive & 5 negative at 0°, 90°, 180°, 270°. 7.4.1 E.U.T. Operation 25°C Humidity: 50% RH Temperature: Atmospheric Pressure: 101 Kpa Test Mode: All Modes 7.4.2 Test specification AC/DC Power Supply and Surge Voltage Coupling to EUT To AC Mains Combination Wave or DC Power Generator Supply Coupling Decoupling EUT \square Network Network 15 Non-Metallic Table EUT was placed on a wooden table which is 0.8m above the ground and operated in the mode as mentioned above. The power cord between the EUT and the coupling/decoupling network was bundled so as to make it less than 2 m in length.



7.4.3 Measurement Data

Surge Immunity Test Result												
M/N:			Tab 1	Tab 11 WIFI					Test Result: 🛛 Pass 🗌 Fail			
Test Volta	ge:		AC 2	30V/50H	Ηz			Test d	late: 202	23.03.08	3	
Teet	Ciana	J					2 1.2/	50 μs	10/	700µs		
Test	Signa	11				Inte	rval: <u>60</u>	secon	ds	Pluse:1	0 times	
						Tes	st level				Performance	
Coup	ling Li	ne	0.	5 kV	1	kV	2	kV	4	kV	Criterion Re	Result
	1	1	+	-	+	-	+	-	+	-		
		0°	A	A	A	A	/	/	/	/		Pass
	L-N	90°	Α	Α	A	Α	1	/	/	/		Pass
		180°	Α	Α	A	Α	/	/	/	/		Pass
		270°	Α	Α	A	Α	/	1	/	/		Pass
		0°	/	/	/	/	/	/	/	/		N/A
AC	L-P	90°	/	/	/	/	/	/	/	/		N/A
line	E	180°	/	/	/	/	/	/	/	/		N/A
		270°	/	/	/	/	/	/	/	/	В	N/A
		0°	/	/	/	/	/	/	/	/		N/A
	N-	90°	/	/	/	/	1	/	/	/		N/A
	PE	180°	/	/	/	/	/	/	/	/		N/A
		270°	/	/	/	/	/	/	/	/		N/A
Wired network Line	RJ 45	/	1	/	1	/	/	/	/	/		Pass
"В												





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7.5.3 Measurement Data

Test Record

Injected Currents Susceptibility Measurement Result							
M/N:	Tab 11 WIFI	Test Result: 🛛 Pass 🗌 Fail					
Test Voltage:	AC 230V/50Hz	Test date: 2023.05-16					
Test Port	AC Port D Wired network Signal Line DC Port						
Operating Mode	All Modes						
Test Level (V)	V(r.m.f) (unmodulated) Criterion A						

Test Ports (Mode)	Freq. Range MHz)	Field Strength	Observation	Observations (Performance Criterion)	Results
Input/ Output AC. Power Port	0.1580		CT, CR	A	Р
Wired network ports	0.1580	3V(rms)	CT, CR	A	Р
Input/ Output DC. Power Port	0.15 80	AM Modulated 1000Hz, 80%	N/A	N/A	N/A
Signal Line	0.15 80		N/A	N/A	N/A

Note: "A" stand for, during test, operate as intended no loss of function, no degradation of performance, no unintentional transmissions and after test, no degradation of performance, no loss of function, no loss of stored data or user programmable functions.



Special conditions for EMC immunity tests

EUT operating Mode	PER during test(Worst)	PER Limit	Result
ВТ	4.19%	10%	Pass
WIFI 2.4G	4.03%	10%	Pass
WIFI 5G	4.22%	10%	Pass



7.6 Voltage dips and interruptions immunity test Acceptable B & C Performance Criterion: <5% of U_T (Supply Voltage) for 0.5 and 250 Periods Test Level: 70 % of U_T (Supply Voltage) for 25 Periods No. of Dips / Interruptions: 3 per Level 7.6.1 E.U.T. Operation 25°C 50% RH Temperature: Humidity: Atmospheric Pressure: 101 Kpa Test Mode: All Modes 7.6.2 Test specification To AC Voltage Voltage Supply Mains to EUT Dips Supply EUT Generator \square Non-Metallic Table EUT connected to the test generator with the shortest power supply cable as specified by the EUT manufacturer. The rated voltage of the EUT was used as the basis for voltage test level specification. After each group of tests, a full functional check was performed.

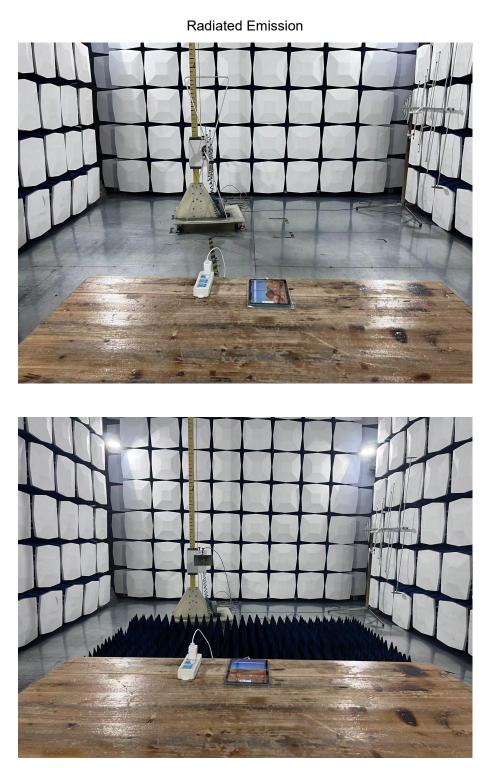


7.6.3 Measurement Data

Voltage Dips And Interruptions Test Result								
M/N:	Tab 11 WIFI			Test Result: 🛛 Pass 🗌 Fail				
Test Voltage:	AC 230V/50Hz				Test date: 2023-05-15			
Test Port	AC Port							
Level (%U _T)	Interruption & Dips(%U _T)	Duration (Cyc)	Phase	•	Test result	Criterion	Result	
70	30	25	0		В	С	Pass	
0	100	0.5	0		А	В	Pass	
0	100	1.0	0		А	В	Pass	
0	100	250	0		В	С	Pass	
Note: "A" stands for, No degradation in performance of the EUT was observed.								
"B" stands for, Degradation in performance of the EUT occurred during the application of the								
disturbance, after the test, EUT can self-recovered and operate as intended.								
"C" stands for, Loss of function of the EUT occurred during the application of the disturbance, after								
the test, EUT can self-recovered or restored by manually and operate as intended.								



8 Test Setup Photos of The EUT



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Conducted Emission(AC Mains)



Harmonic Current/ Voltage Fluctuation and Flicker

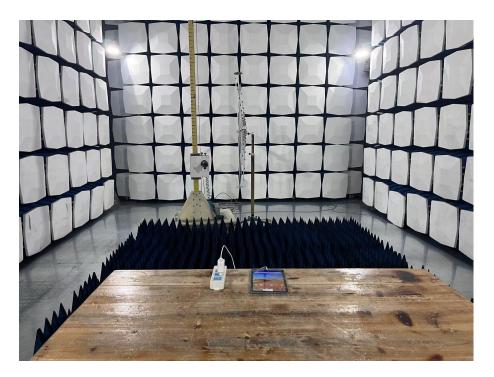




Electrostatic Discharge



RF Electromagnetic Field





RF Common Mode 0,15 MHz to 80 MHz



Fast Transients Common Mode & Surge & DIPS





9 External And Internal Photos of The EUT

Please refer to the appendix for details

End of the report