FCC Test Report FCC ID: 2A9ZK-TSERIES

Product: Tablet Smartphone

Trade Mark: TRIPLTEK

Model Number: T9

Family Model: T mini , T10, T11, T12

Report No.: STR230109002007E

Prepared for

TRIPLTEK LLC

12555 Biscayne Blvd. Miami, FL 33181, United States

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen P.R. China Tel. 400-800-6106, 0755-2320 0050, 0755-2320 0090 Website:http://www.ntek.org.cn

Version.1.2 Page 1 of 19



TEST RESULT CERTIFICATION

Applicant's name:	TRIPLTEK LLC
Address:	12555 Biscayne Blvd. Miami , FL 33181 , United States
Manufacturer's Name:	TRIPLTEK LLC
Address:	12555 Biscayne Blvd. Miami , FL 33181 , United States
Product description	
Product name:	Tablet Smartphone
Model and/or type reference :	Т9
Family Model:	T mini , T10, T11, T12
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.
This report shall not be reprodu	uced except in full, without the written approval of NTEK, this
•	vised by NTEK, personnel only, and shall be noted in the revision
of the document.	
Test Sample Number	: T230109002R002
Date of Test	:
Date (s) of performance of tests	s: Jan 12, 2023 ~ Mar 01, 2023
Date of Issue	: Mar 02, 2023
Test Result	: Pass
Testing Engine	eer : Nen lin (Allen Liu)
	(Allen Liu)
Authorized Sig	gnatory: (Alex Li)
	(Alex Li)

Version.1.2 Page 2 of 19

Table of Contents	Page
1 . TEST SUMMARY	4
1.1 TEST FACILITY	5
1.2 MEASUREMENT UNCERTAINTY	5
2 . GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF EUT	6
2.2 DESCRIPTION OF TEST SETUP	8
2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL	9
2.4 MEASUREMENT INSTRUMENTS LIST	10
3 . EMC EMISSION TEST	11
3.1 CONDUCTED EMISSION MEASUREMENT	11
3.1.1 POWER LINE CONDUCTED EMISSION	11
3.1.2 TEST PROCEDURE	12
3.1.3 TEST SETUP	12
3.1.4 EUT OPERATING CONDITIONS	12
3.1.5 TEST RESULTS	13
3.2 RADIATED EMISSION MEASUREMENT	15
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	15
3.2.2 TEST PROCEDURE	15
3.2.3 TEST SETUP	16
3.2.4 TEST RESULTS	17
3.2.5 TEST RESULTS(1000~18000MHz)	19

Version.1.2 Page 3 of 19



1. TEST SUMMARY

Test procedures according to the technical standards:

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

Version.1.2 Page 4 of 19

Report No.: STR230109002007E

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	

Version.1.2 Page 5 of 19



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Tablet Smartphone			
Trade Mark	TRIPLTEK			
Model Name	Т9			
Family Model	T mini , T10, T11, T12			
Model Difference	All models are the same	circuit and RF module, except the model name.		
	Connecting I/O port: Operation Frequency:	Micro USB, Earphone 5.825GHz		
Product Description	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: HF-PD33W0001 Input: 100-240V~50/60Hz 0.8A Max Output: Type-C:5V3.0A / 9V3.0A / 11V3.0A / 12V2.5A/ 20V1.5A			
Battery	DC 3.85V, 11600mAh	DC 3.85V, 11600mAh		
Power supply	DC 3.85V from battery or DC 5V from Adapter.			
Hardware version:	V1.1			
Firmware version:	V1.0			
Software version:	TRIPLTEK_T93_202301	15		

Version.1.2 Page 6 of 19



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.

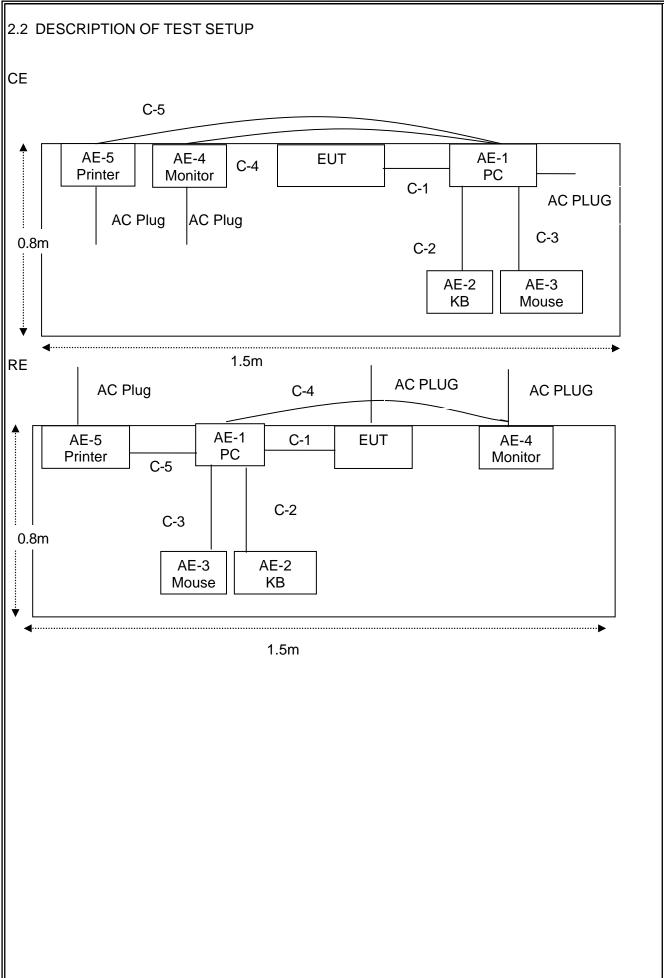
Pretest Mode	Description
Model 1	USB Data Transmission
Model 2	TF card Playing
Model 3	REC
Model 4	FM
Model 5	GPS

For Conducted Test				
Final Test Mode	Description			
Model 1	USB Data Transmission			
Model 2	TF card Playing			
Model 3	REC			
Model 4	FM			
Model 5	GPS			

For Radiated Test				
Final Test Mode	Description			
Model 1	USB Data Transmission			
Model 2	TF card Playing			
Model 3	REC			
Model 4	FM			
Model 5	GPS			

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.

Version.1.2 Page 7 of 19



Version.1.2 Page 8 of 19



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	N/A	N/A	N/A	Peripherals
AE-4	Monitor	PHILIPS	N/A	N/A	Peripherals
AE-5	Printer	Canon	L11121E	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	
				-	

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".

Version.1.2 Page 9 of 19



2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

radio	ation rest equip	official .					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2022.04.06	2023.04.05	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	620026441 6	2020.05.11	2023.05.10	3 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2022.04.06	2023.04.05	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2022.03.31	2023.03.30	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2022.11.08	2023.11.07	1 year
8	Amplifier	EMC	EMC05183 5SE	980246	2022.06.17	2023.06.16	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2022.04.06	2023.04.05	1 year
10	Power Meter	DARE	RPR3006W	15I00041S NO84	2022.06.16	2023.06.15	1 year
11	Power Sensor	R&S	URV4-Z4	0395.1619. 05	2022.06.16	2023.06.15	1 year
12	Test Cable (30MHz-1GH z)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
13	High Test Cable(1G-40 GHz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
14	High Test Cable(1G-40 GHz)	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	Manufactu	Type No.	Serial No.	Last	Calibrated	Calibratio
	Equipment	rer			calibration	until	n 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	SCHWAR ZBECK	NNLK 8129	8129245	2022.04.06	2023.04.05	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.

Version.1.2 Page 10 of 19



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

	Class A	(dBuV)	Class B (dBuV)	
FREQUENCY (MHz)	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

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			

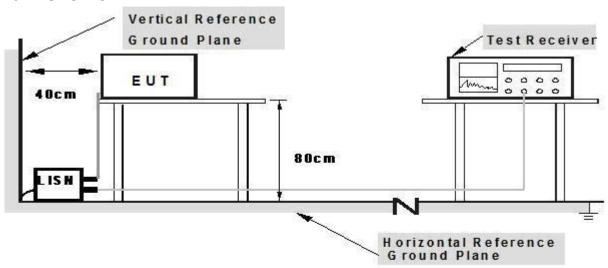
Version.1.2 Page 11 of 19



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.

Version.1.2 Page 12 of 19

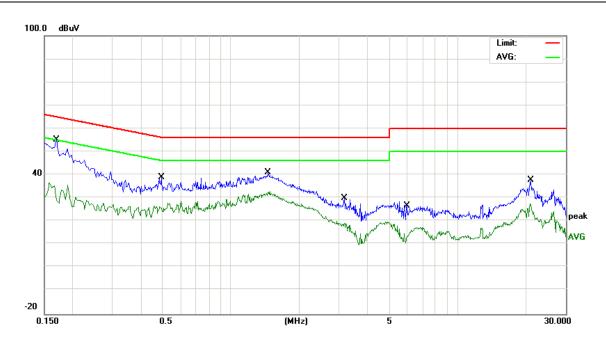


3.1.5 TEST RESULTS

EUT:	Tablet Smartphone	Model Name. :	Т9		
Temperature:	24.5 ℃	Relative Humidity:	52%		
Pressure:	1010hPa	Test Date:	2023-02-15		
Test Mode:	Mode 1	Phase :	L		
Test Voltage: DC 5V from PC AC 120V/60Hz					

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1700	45.44	9.61	55.05	64.96	-9.91	QP
0.1700	19.33	9.61	28.94	54.96	-26.02	AVG
0.4940	29.26	9.66	38.92	56.10	-17.18	QP
0.4940	16.09	9.66	25.75	46.10	-20.35	AVG
1.4580	31.52	9.67	41.19	56.00	-14.81	QP
1.4580	23.03	9.67	32.70	46.00	-13.30	AVG
3.1580	20.14	9.73	29.87	56.00	-26.13	QP
3.1580	9.48	9.73	19.21	46.00	-26.79	AVG
5.9740	16.82	9.81	26.63	60.00	-33.37	QP
5.9740	4.04	9.81	13.85	50.00	-36.15	AVG
20.9500	27.53	10.19	37.72	60.00	-22.28	QP
20.9500	16.96	10.19	27.15	50.00	-22.85	AVG

Remark:



Page 13 of 19 Version.1.2

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

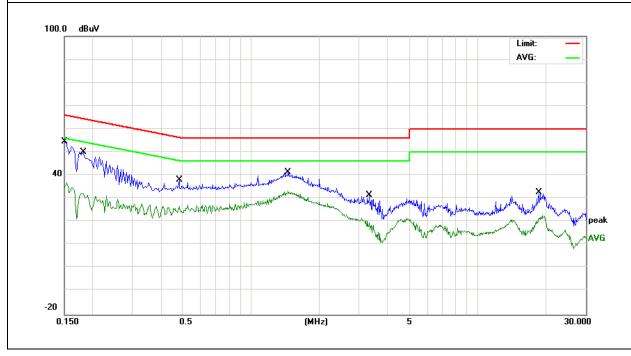


EUT:	Tablet Smartphone	Model Name. :	Т9
Temperature:	24.5 ℃	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2023-02-15
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 5V from PC AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1500	44.88	9.65	54.53	65.99	-11.46	QP
0.1500	25.02	9.65	34.67	55.99	-21.32	AVG
0.1819	40.42	9.64	50.06	64.39	-14.33	QP
0.1819	22.15	9.64	31.79	54.39	-22.60	AVG
0.4820	28.49	9.66	38.15	56.30	-18.15	QP
0.4820	15.68	9.66	25.34	46.30	-20.96	AVG
1.4620	31.71	9.67	41.38	56.00	-14.62	QP
1.4620	23.68	9.67	33.35	46.00	-12.65	AVG
3.3380	21.89	9.70	31.59	56.00	-24.41	QP
3.3380	9.85	9.70	19.55	46.00	-26.45	AVG
18.6540	22.47	10.13	32.60	60.00	-27.40	QP
18.6540	11.39	10.13	21.52	50.00	-28.48	AVG

Remark:

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



Version.1.2 Page 14 of 19



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

Version.1.2 Page 15 of 19

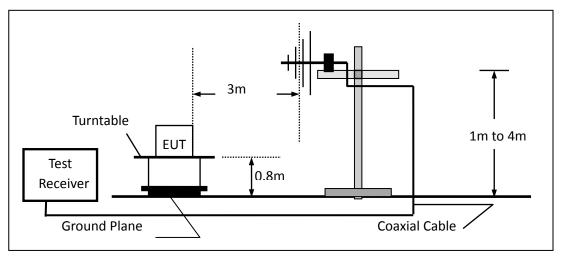


During the radiated emission test, according to ANSI C63.4-2014(4.2), the Spectrum Analyzer was set with the following configurations:

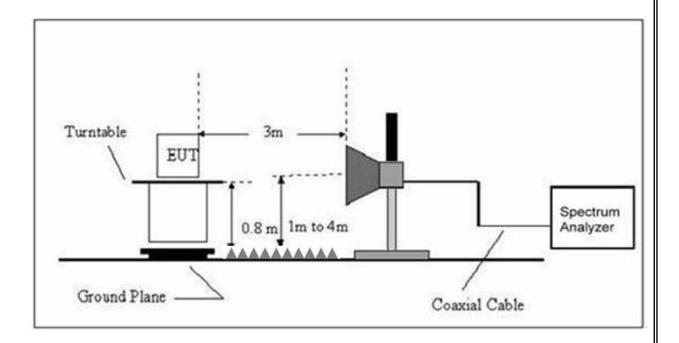
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
	Peak	1 MHz	3 MHz
Above 1000	Avg	1 MHz	10 Hz

3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



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



Version.1.2 Page 16 of 19



3.2.4 TEST RESULTS

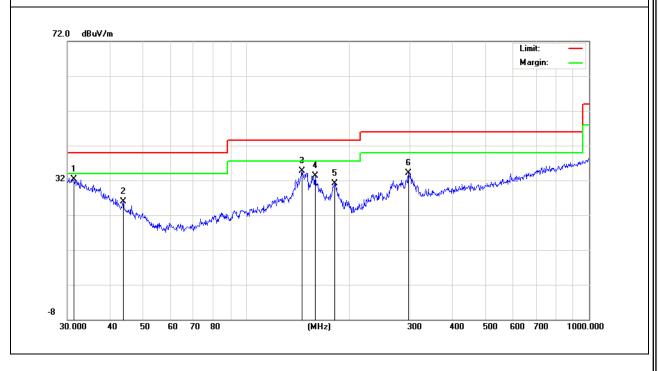
TEST RESULTS (30~1000 MHz)

	(00 1000 1111 1=)		
EUT:	Tablet Smartphone	Model Name:	T9
Temperature:	24.5 ℃	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2023-02-15
Test Mode:	Mode 1	Polarization :	Horizontal
Test Power ·	DC 5V from PC AC 120V/60Hz		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	reman
Н	31.3992	6.98	25.39	32.37	40.00	-7.63	QP
Н	43.6584	7.56	18.44	26.00	40.00	-14.00	QP
Н	145.3505	16.16	18.53	34.69	43.50	-8.81	QP
Н	158.6673	15.43	17.79	33.22	43.50	-10.28	QP
Н	180.6484	14.33	16.79	31.12	43.50	-12.38	QP
Н	297.2241	14.03	20.03	34.06	46.00	-11.94	QP

Remark

Factor = Antenna Factor + Cable Loss - Amplifier.



Version.1.2 Page 17 of 19

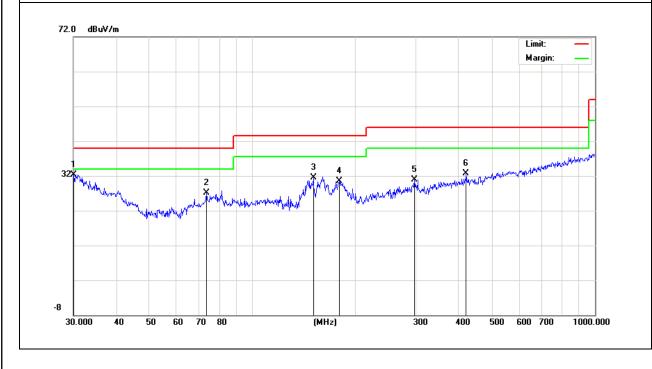


EUT:	Tablet Smartphone	Model Name :	T9
Temperature:	24.5 ℃	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2023-02-15
Test Mode :	Mode 1	Polarization:	Vertical
Test Power :	DC 5V from PC AC 120V/60Hz		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	30.1051	6.54	25.86	32.40	40.00	-7.60	QP
V	73.3593	12.76	14.28	27.04	40.00	-12.96	QP
V	150.5378	12.72	18.75	31.47	43.50	-12.03	QP
V	179.3863	13.51	16.90	30.41	43.50	-13.09	QP
V	297.2241	10.79	20.03	30.82	46.00	-15.18	QP
V	420.5803	8.91	23.76	32.67	46.00	-13.33	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



Version.1.2 Page 18 of 19



3.2.5 TEST RESULTS(1000~18000MHz)

EUT:	Tablet Smartphone	Model Name :	T9
Temperature:	24.5 ℃	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2023-02-15
Test Mode:	Mode 1		
Test Power:	DC 5V from PC 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)	remark
V	1160.343	38.20	6.72	44.92	74.00	-29.08	peak
V	1160.343	27.30	6.72	34.02	54.00	-19.98	AVG
V	1329.615	37.62	7.43	45.05	74.00	-28.95	peak
V	1329.615	25.83	7.43	33.26	54.00	-20.74	AVG
V	1912.893	36.81	9.34	46.15	74.00	-27.85	peak
V	1912.893	25.81	9.34	35.15	54.00	-18.85	AVG
V	2126.188	35.80	11.44	47.24	74.00	-26.76	peak
V	2126.188	26.01	11.44	37.45	54.00	-16.55	AVG
V	2776.810	35.03	11.59	46.62	74.00	-27.38	peak
V	2776.810	24.74	11.59	36.33	54.00	-17.67	AVG
V	4917.863	34.72	19.31	54.03	74.00	-19.97	peak
V	4917.863	22.81	19.31	42.12	54.00	-11.88	AVG
Н	1038.344	39.18	5.34	44.52	74.00	-29.48	peak
Н	1038.344	26.68	5.34	32.02	54.00	-21.98	AVG
Н	1485.838	43.88	6.97	50.85	74.00	-23.15	peak
Н	1485.838	33.18	6.97	40.15	54.00	-13.85	AVG
Н	2227.581	38.07	10.69	48.76	74.00	-25.24	peak
Н	2227.581	25.00	10.69	35.69	54.00	-18.31	AVG
Н	2972.460	40.97	11.71	52.68	74.00	-21.32	peak
Н	2972.460	28.76	11.71	40.47	54.00	-13.53	AVG
Н	4307.182	35.75	17.77	53.52	74.00	-20.48	peak
Н	4307.182	15.48	17.77	33.25	54.00	-20.75	AVG
Н	4856.567	37.84	19.85	57.69	74.00	-16.31	peak
Н	4856.567	22.51	19.85	42.36	54.00	-11.64	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

Version.1.2 Page 19 of 19