

TEST REPORT						
FCC ID:	2A2Y8-WS-TB-1					
Test Report No:	TCT210824E056					
Date of issue:	Sep. 10, 2021					
Testing laboratory:	SHENZHEN TONGCE TES	STING LAB				
Testing location/ address:		Fuqiao 5th Industrial Zone, Fuhai ezhen, Guangdong, 518103, People's				
Applicant's name::	Guangdong Nanguang Phot	to & Video Systems Co., Ltd				
Address::	DONGLI SECTION, HIGHW CITY, GUANGDONG PROV	VAY 324, CHENGHAI, SHANTOU VINCE, China				
Manufacturer's name:	Guangdong Nanguang Phot	to & Video Systems Co., Ltd				
Address::	DONGLI SECTION, HIGHWAY 324, CHENGHAI, SHANTOU CITY, GUANGDONG PROVINCE, China					
Standard(s):	FCC CFR Title 47 Part 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013					
Test item description:	Transmitter Box					
Trade Mark:	N/A					
Model/Type reference:	WS-TB-1					
Rating(s)::	Input: 5V===, 1A; Battery: 3.	.7VDC, 2400mAh, 8.88Wh				
Date of receipt of test item:	Aug. 24, 2021					
Date (s) of performance of test:	See dates for each test case					
Tested by (+signature):	Brews Xu Rens Xu JONGCE					
Check by (+signature):	Beryl Zhao Buy Zha (TCT)					
Approved by (+signature):	Tomsin Tomsin					

General disclaimer:

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1. General Product Information

1.1. EUT description

Test item description:	Transmitter Box	(3)	(3)
Model/Type reference:	WS-TB-1		
Sample Number:	TCT210824E030-010	1	
Operation Frequency:	2460MHz		
Number of Channel:	1		
Modulation Type:	GFSK		(C)
Antenna Type:	PCB Antenna		
Antenna Gain:	2dBi	(3)	(3)
Rating(s):	Input: 5V === , 1A; Batt	ery: 3.7VDC, 2400m	Ah, 8.88Wh
Remark:	/		

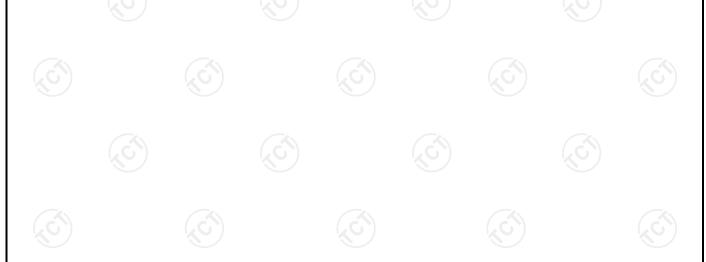
Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

None.

1.3. Operation Frequency

Channel Frequency
0 2460MHz





2. Test Result Summary

Requirement	CFR 47 Section	Result		
Antenna requirement	§15.203/§15.247 (c)	PASS		
AC Power Line Conducted Emission	§15.207	PASS		
Conducted Peak Output Power	§15.247 (b)(3)	PASS		
6dB Emission Bandwidth	§15.247 (a)(2)	PASS		
Power Spectral Density	§15.247 (e)	PASS		
Band Edge	§15.247(d)	PASS		
Spurious Emission	§15.205/§15.209	PASS		

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.
- 5. After pre-testing the two earphones, the two earphones are left and right ears respectively; we found that the left earphone is the worst case, so the results are recorded in this report.





3. General Information

3.1. Test environment and mode

Operating Environment:						
Condition	Conducted Emission	Radiated Emission				
Temperature:	25.0 °C	25.0 °C				
Humidity:	55 % RH	55 % RH				
Atmospheric Pressure:	1010 mbar	1010 mbar				

Test Mode:

Engineering mode: Keep the EUT in continuous transmitting with modulation

The sample was placed 0.8m & 1.5m for the measurement below & above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case(Z axis) are shown in Test Results of the following pages.

3.2. Description of Support Units

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.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
Adapter	JD-050200	2012010907576735	/	JD

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

4. Facilities and Accreditations

4.1. Facilities

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

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• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: TCT Testing Industrial Park, Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4.3. Measurement Uncertainty

The reported 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	MU
1	Conducted Emission	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz)	± 4.56 dB
5	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
6	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB



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5. Test Results and Measurement Data

5.1. Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

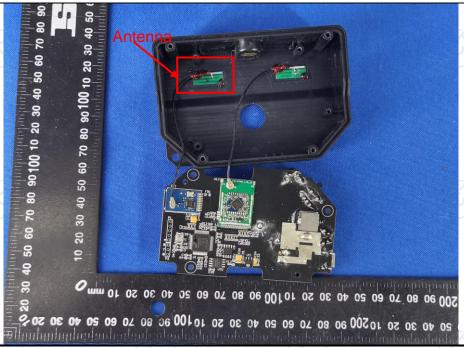
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The antenna is PCB antenna which permanently attached, and the best case gain of the antenna is 2dBi.





5.2. Conducted Emission

5.2.1. Test Specification

		/_^			
Test Requirement:	FCC Part15 C Section 15.207				
Test Method:	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz				
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto				
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	dBuV) Average 56 to 46* 46 50			
	Refere	nce Plane	120		
Test Setup:	Adapter E.U.T Adapter Filter AC power EMI Receiver Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m				
Test Mode:	Charging + Transmitting Mode				
Test Procedure:	 The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 				
Test Result:	PASS				



5.2.2. Test Instruments

Equipment

EMI Test Receiver

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Calibration Due

Jul. 07, 2022

Line Impedance Stabilisation Newtork(LISN)	Schwarzbeck	NSLK 8126	8126453	Mar. 11, 2022	
Line-5			N/A	Jul. 07, 2022	
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A	

Conducted Emission Shielding Room Test Site (843)

Model

ESCI3

Serial Number

100898

Manufacturer

R&S

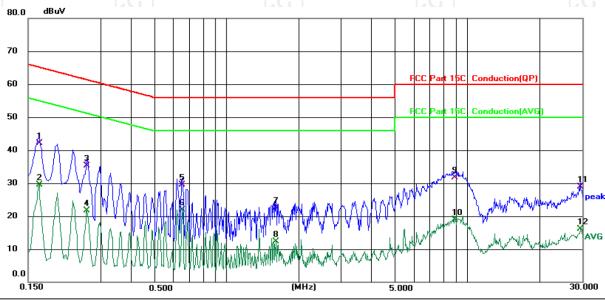


5.2.3. Test data

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Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room

Phase: L1

Temperature: 24.7 (°C)

Humidity: 53 %

Limit: FCC Part 15C Conduction(QP)

Power: DC 5 V(Adapter Input AC 120 V/60 Hz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu∀	dBu∀	dB	Detector	Comment
1	*	0.1660	32.58	9.58	42.16	65.16	-23.00	QP	
2		0.1660	19.94	9.58	29.52	55.16	-25.64	AVG	
3		0.2620	26.06	9.34	35.40	61.37	-25.97	QP	
4		0.2620	12.44	9.34	21.78	51.37	-29.59	AVG	
5		0.6540	20.36	9.21	29.57	56.00	-26.43	QP	
6		0.6540	12.72	9.21	21.93	46.00	-24.07	AVG	
7		1.6060	13.20	9.35	22.55	56.00	-33.45	QP	
8		1.6060	2.95	9.35	12.30	46.00	-33.70	AVG	
9		8.8940	22.09	9.59	31.68	60.00	-28.32	QP	
10		8.8940	9.31	9.59	18.90	50.00	-31.10	AVG	
11		29.4340	18.96	9.88	28.84	60.00	-31.16	QP	
12		29.4340	6.32	9.88	16.20	50.00	-33.80	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

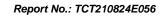
Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak

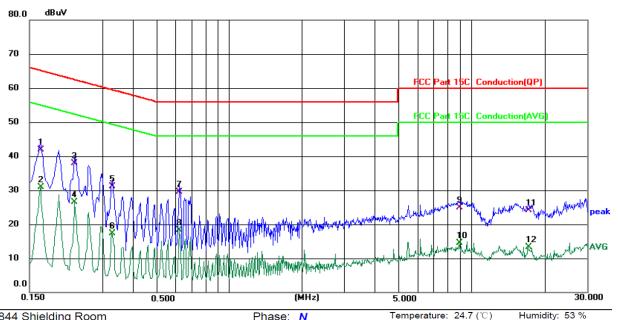
AVG =average

^{*} is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz





Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room Phase: N

Limit: FCC Part 15C Conduction(QP) Power: DC 5 V(Adapter Input AC 120 V/60 Hz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBuV	dBu∀	dB	Detector	Comment
1	*	0.1660	32.25	9.59	41.84	65.16	-23.32	QP	
2		0.1660	21.25	9.59	30.84	55.16	-24.32	AVG	
3		0.2300	28.62	9.36	37.98	62.45	-24.47	QP	
4		0.2300	17.05	9.36	26.41	52.45	-26.04	AVG	
5		0.3300	21.82	9.29	31.11	59.45	-28.34	QP	
6		0.3300	8.02	9.29	17.31	49.45	-32.14	AVG	
7		0.6260	20.25	9.19	29.44	56.00	-26.56	QP	
8		0.6260	9.06	9.19	18.25	46.00	-27.75	AVG	
9		8.8979	15.24	9.59	24.83	60.00	-35.17	QP	
10		8.8979	4.93	9.59	14.52	50.00	-35.48	AVG	
11		17.2540	14.37	9.71	24.08	60.00	-35.92	QP	
12		17.2540	3.67	9.71	13.38	50.00	-36.62	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

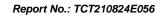
 $Limit (dB\mu V) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak

AVG =average

^{*} is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.





5.3. Conducted Output Power

5.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB 558074 D01 v05r02
Limit:	30dBm
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Refer to item 3.1
Test Procedure:	Set spectrum analyzer as following: a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 × RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level.
Test Result:	PASS

5.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Jul. 18, 2022
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Jul. 18, 2022
Antenna Connector	тст	RFC-01	N/A	Jul. 18, 2022

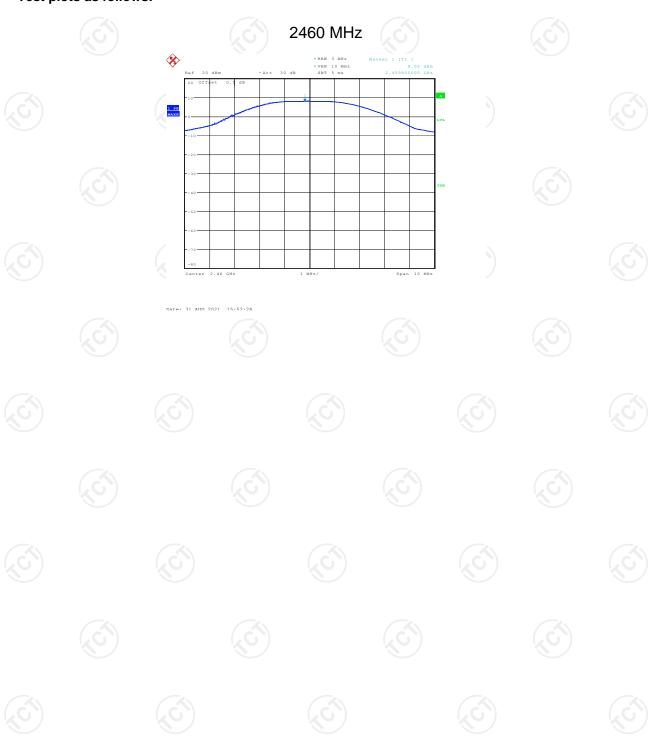


5.3.3. Test Data

Report No.: TCT210824E056

Frequency (MHz)	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
2460	8.02	30.00	PASS

Test plots as follows:





5.4. Emission Bandwidth

5.4.1. Test Specification

		(101)	(.C)		
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)				
Test Method:	KDB 558074 D01 v05r02	2			
Limit:	>500kHz				
Test Setup:	Spectrum Analyzer	EUT			
Test Mode:	Refer to item 3.1				
Test Procedure:	Set to the maximum p EUT transmit continu Make the measureme resolution bandwidth Video bandwidth (VB an accurate measure be greater than 500 k Measure and record the	ously. nt with the specti (RBW) = 100 kH W) = 300 kHz. In ment. The 6dB b kHz.	rum analyzer's z. Set the order to make andwidth must		
Test Result:	PASS		(3)		

5.4.2. Test Instruments

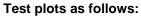
	2						
RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	R&S	FSU	200054	Jul. 18, 2022			
RF cable (9kHz-26.5GHz)	TCT	RE-06	N/A	Jul. 18, 2022			
Antenna Connector	тст	RFC-01	N/A	Jul. 18, 2022			

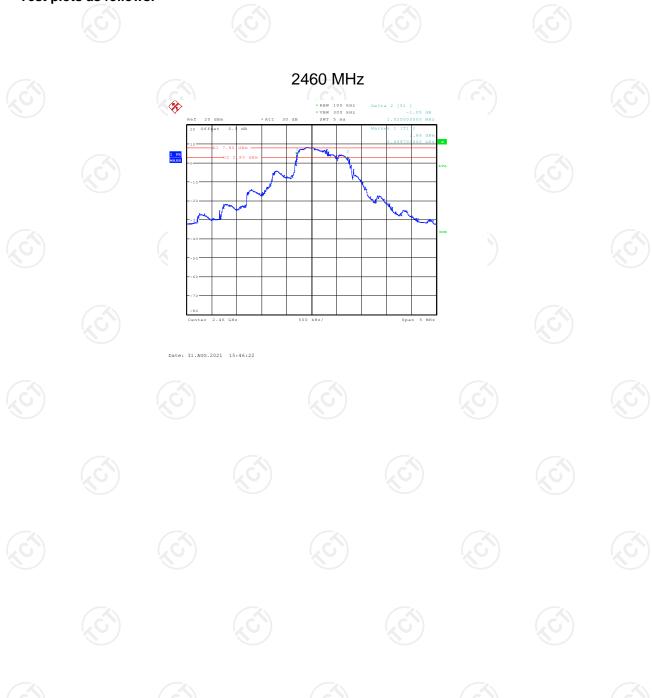


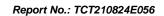
5.4.3. Test data

Report No.: TCT210824E056

Fraguanay (MHz)	6dB Emission Bandwidth (kHz)				
Frequency (MHz)	GFSK mode	Limit	Result		
2460	1025	>500k	PASS		









5.5. Power Spectral Density

5.5.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)				
Test Method:	KDB 558074 D01 v05r02				
Limit:	The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.				
Test Setup:	Special Service Control of the Contr				
	Spectrum Analyzer				
Test Mode:	Refer to item 3.1				
Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. 				
Test Result:	PASS				

5.5.2. Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	R&S	FSU	200054	Jul. 18, 2022			
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Jul. 18, 2022			
Antenna Connector	TCT	RFC-01	N/A	Jul. 18, 2022			



5.5.3. Test data

Fraguency (MHz)	Power Spectral Density (dBm/3kHz)				
Frequency (MHz)	GFSK mode	Limit	Result		
2460	-3.36	8 dBm/3kHz	PASS		

Test plots as follows:







5.6. Conducted Band Edge and Spurious Emission Measurement

5.6.1. Test Specification

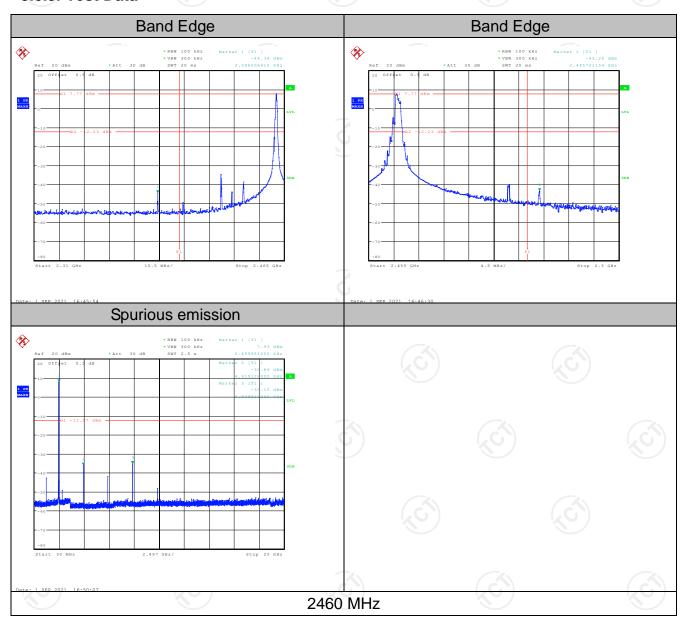
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB 558074 D01 v05r02
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).
Test Setup:	
Test Mode:	Spectrum Analyzer Refer to item 3.1
Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Test Result:	PASS



5.6.2. Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	R&S	FSU	200054	Jul. 18, 2022			
RF cable (9kHz-26.5GHz)	ТСТ	RE-06	N/A	Jul. 18, 2022			
Antenna Connector	TCT	RFC-01	N/A	Jul. 18, 2022			

5.6.3. Test Data

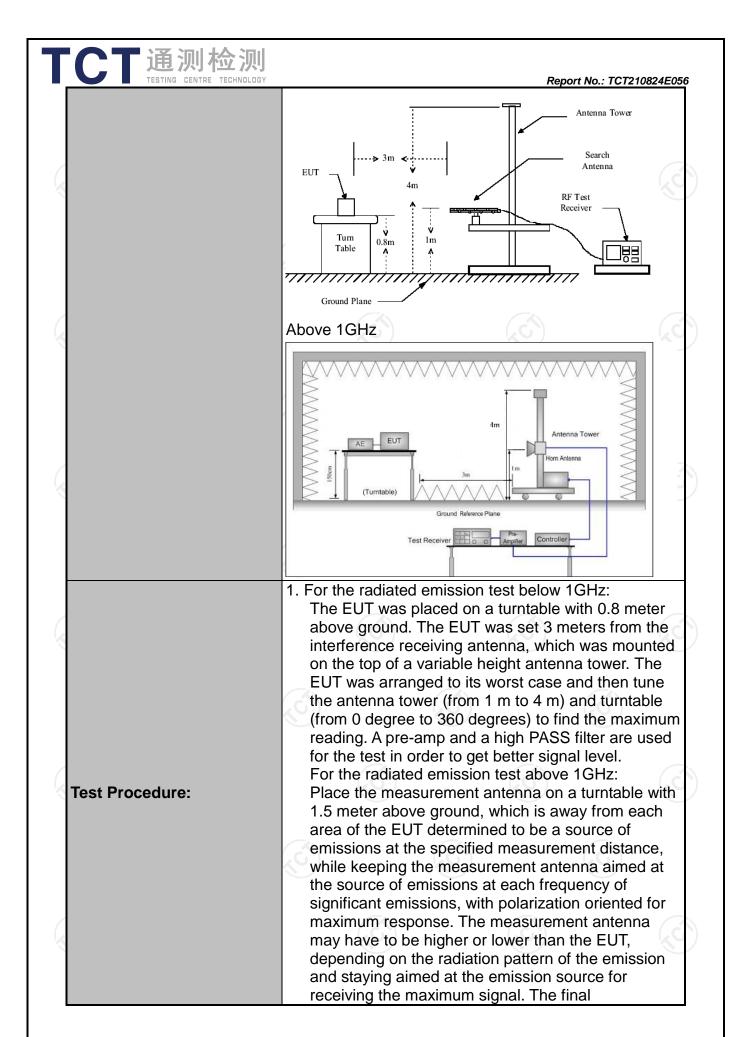


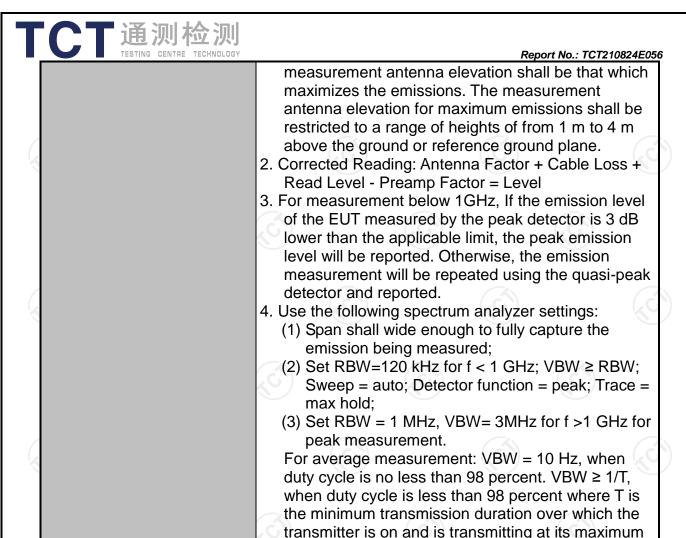


5.7. Radiated Spurious Emission Measurement

5.7.1. Test Specification

		<u> </u>									
Test Requirement:	FCC Part15 C Section 15.209										
Test Method:	ANSI C63.10	ANSI C63.10: 2013									
Frequency Range:	9 kHz to 25 (9 kHz to 25 GHz									
Measurement Distance:	3 m										
Antenna Polarization:	Horizontal & Vertical										
Operation mode:	Refer to item 3.1										
	Frequency	Detector	RBW	VBW		Remark					
	9kHz- 150kHz	Quasi-pea	k 200Hz	1kHz	Quas	si-peak Value					
Receiver Setup:	150kHz- 30MHz	Quasi-pea	k 9kHz	30kHz	Quas	i-peak Value					
·	30MHz-1GHz	Quasi-pea	k 120KHz	300KHz	Quas	si-peak Value					
	Ab 401 l=	Peak	1MHz	3MHz	Pe	eak Value					
	Above 1GHz	Peak	1MHz	10Hz		erage Value					
	Frequen	icy	Field Stre	_		asurement nce (meters)					
	0.009-0.4	190	2400/F(F			300					
	0.490-1.7	705	24000/F(30						
	1.705-3	30	30	•	30						
	30-88		100		3						
	88-216	3	150		3						
Limit:	216-96		200		3						
	Above 9	60	500		3						
		ر ر		(0)	1	KU					
	Frequency		ld Strength ovolts/meter)	Distan	Measurement Distance Dete						
	Above 1GHz	,	500			Average					
	Above TGHZ		5000	3		Peak					
	For radiated	emission	s below 30	MHz							
	Di	stance = 3m		Compu	ter 📙 🤇						
	Pre -Amplifier O. Sm Turn table Receiver										
Test setup:											
	30MHz to 10	(1)	nd Plane	(0)		(c)					





Refer to section 3.1 for details

PASS

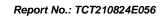
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332

Test mode:

Test results:

power control level for the tested mode of operation.

http://www.tct-lab.com





5.7.2. Test Instruments

Radiated Emission Test Site (966)										
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due						
EMI Test Receiver	R&S	ESIB7	100197	Jul. 07, 2022						
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 07, 2022						
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Mar. 11, 2022						
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Apr. 08, 2022						
Pre-amplifier	HP	8447D	2727A05017	Jul. 07, 2022						
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 05, 2022						
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 04, 2022						
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 04, 2022						
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Apr. 10, 2023						
Antenna Mast	Keleto	RE-AM	N/A	N/A						
Coaxial cable	SKET	RC_DC18G-N	N/A	Apr. 08, 2022						
Coaxial cable	SKET	RC-DC18G-N	N/A	Apr. 08, 2022						
Coaxial cable	SKET	RC-DC40G-N	N/A	Jul. 07, 2022						
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A						

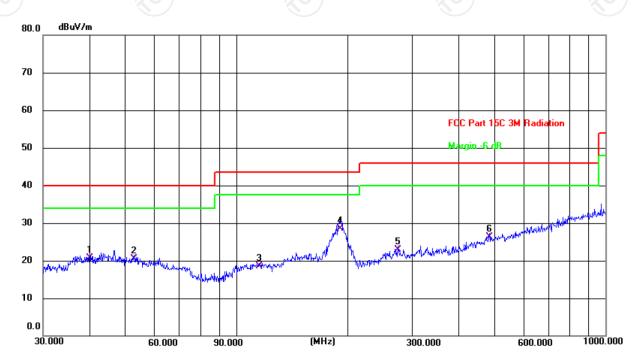


5.7.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



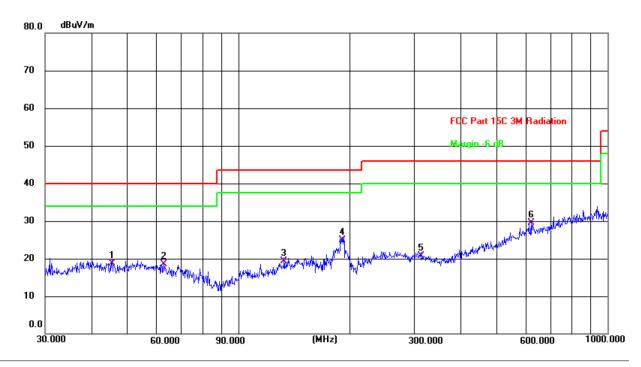
Site Polarization: *Horizontal* Temperature: 24.6(C)
Limit: FCC Part 15C 3M Radiation Power: DC 3.7 V Humidity: 47 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	40.1347	6.71	13.99	20.70	40.00	-19.30	QP	Р	
2	52.9453	7.20	13.40	20.60	40.00	-19.40	QP	Р	
3	115.3204	6.88	11.72	18.60	43.50	-24.90	QP	Р	
4 *	191.7450	17.32	11.18	28.50	43.50	-15.00	QP	Р	
5	274.1938	9.53	13.37	22.90	46.00	-23.10	QP	Р	
6	485.6091	7.72	18.68	26.40	46.00	-19.60	QP	Р	





Vertical:



Site Polarization: *Vertical* Temperature: 24.6(C)
Limit: FCC Part 15C 3M Radiation Power: DC 3.7 V Humidity: 47 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	45.5347	4.84	13.86	18.70	40.00	-21.30	QP	Р	
2	62.8706	6.42	12.18	18.60	40.00	-21.40	QP	Р	
3	133.1510	6.59	12.81	19.40	43.50	-24.10	QP	Р	
4	191.0738	13.68	11.22	24.90	43.50	-18.60	QP	Р	
5	312.1792	6.48	14.32	20.80	46.00	-25.20	QP	Р	
6 *	620.7096	7.89	21.61	29.50	46.00	-16.50	QP	Р	

Note: 1.The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Freq. = Emission frequency in MHz

Measurement $(dB\mu V/m) = Reading level (dB\mu V) + Corr. Factor (dB)$

Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

 $Limit (dB\mu V/m) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V/m) - Limits (dB\mu V/m)$

* is meaning the worst frequency has been tested in the test frequency range



Above 1GHz

Low chann	el: 2460 M	1Hz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
2400	Н	45.17		0.58	45.75		74	54	-8.25
2483.5	Н	36.58		9.45	46.03		74	54	-7.97
4920	Н	46.54		0.66	47.20		74	54	-6.80
7380	Н	37.12		9.50	46.62		74	54	-7.38
	H				/				
	(O)		120)		$\langle O_{i} \rangle$		(C, C, C)	
2400	V	45.83		0.58	46.41	<u></u>	74	54	-7.59
2483.5	V	36.99		9.45	46.44		74	54	-7.56
4920	V	46.88		0.66	47.54		74	54	-6.46
7380	V	36.95		9.50	46.45		74	54	-7.55
(9)	V	(2))		(<u>Q</u> .)		/

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- 6. All the restriction bands are compliance with the limit of 15.209.





Appendix A: Photographs of Test Setup

Refer to the test report No. TCT210824E030

Appendix B: Photographs of EUT

Refer to the test report No. TCT210824E030

*****END OF REPORT****

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