



TESTING CENTRE TEC		Malalala	Cert #4320.01			
	TEST REPO	RT				
FCC ID	2AG6O-D52					
Test Report No:	TCT220913E015	TCT220913E015				
Date of issue:	Sep. 30, 2022					
Testing laboratory::	SHENZHEN TONGCE TEST	SHENZHEN TONGCE TESTING LAB				
Testing location/ address:	2101 & 2201, Zhenchang Fa Fuhai Subdistrict, Bao'an Dis 518103, People's Republic o	strict, Shenzhen, Guangdor				
Applicant's name: :	CONTOUR (GUANGZHOU)	DESIGN, INC.	No.			
Address:	Building B21-2F, Huachuang Guangzhou, 511450 China	g Animation Park, Panyu,				
Manufacturer's name :	CONTOUR (GUANGZHOU)	DESIGN, INC.				
Address:	Building B21-2F, Huachuang Guangzhou, 511450 China	Building B21-2F, Huachuang Animation Park, Panyu, Guangzhou, 511450 China				
Standard(s):	FCC CFR Title 47 Part 15 Su ANSI C63.10:2013	ubpart C Section 15.249				
Product Name::	DONGLE52					
Trade Mark:	CONTOUR	\mathcal{O}				
Model/Type reference :	DONGLE52					
Rating(s):	DC 5V					
Date of receipt of test item	Sep. 13, 2022	~				
Date (s) of performance of test:	Sep. 13, 2022 - Sep. 30, 202	22				
Tested by (+signature) :	Yannie ZHONG	Yannie Zhengngce				
Check by (+signature) :	Beryl ZHAO	Boy to TCT	STING			
Approved by (+signature):	Tomsin	Tomsmer				
General disclaimer:						

General disclaimer:

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Table of Contents

1.	General Product Information		
	1.1. EUT description	<u></u>	3
	1.2. Model(s) list		3
	1.3. Operation Frequency		3
2.	Test Result Summary		
3.	General Information		5
	3.1. Test Environment and Mode	<u>(G)</u>	5
	3.2. Description of Support Units		
4.	Facilities and Accreditations		6
	4.1. Facilities	<u>(G)</u>	6
	4.2. Location		6
	4.3. Measurement Uncertainty		6
5.	Test Results and Measurement Data	<u> </u>	7
	5.1. Antenna Requirement		
	5.2. Conducted Emission		
	5.3. Radiated Emission Measurement	\sim	12
	5.4. 20dB Occupied Bandwidth		24
Ap	pendix A: Photographs of Test Setup		
Ар	pendix B: Photographs of EUT		



1. General Product Information

1.1. EUT description

Product Name:	DONGLE52		
Model/Type reference:	DONGLE52		
Sample Number:	TCT220913E015-0101		
Operation Frequency:	2402MHz - 2480MHz		
Number of Channel:	3		
Modulation Technology:	GFSK		(\mathbf{c}^{*})
Antenna Type:	PCB Antenna		
Antenna Gain:	0dBi		
Rating(s):	DC 5V		

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
1	2402MHz
2	2441MHz
3	2480MHz

Report No.: TCT220913E015

TCT通测检测 2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna Requirement	Intenna Requirement §15.203	
AC Power Line Conducted Emission	§15.207	PASS
Field Strength of Fundamental	§15.249 (a)	PASS
Spurious Emissions	§15.249 (a) (d)/ §15.209	PASS
Band Edge	§15.249 (d)/ §15.205	PASS
20dB Occupied Bandwidth	§15.215 (c)	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.

Page 4 of 34

3. General Information

3.1. Test Environment and Mode

Operating Environment:						
Condition	Conducted Emission	Radiated Emission				
Temperature:	23.1 °C	25.0 °C				
Humidity:	48 % RH	53 % RH				
Atmospheric Pressure:	1010 mbar	1010 mbar				

Test Mode:

Engineering mode: Keep the EUT in continuous transmitting by select channel and modulations

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	Equipment Model No.		ipment Model No. Serial No. Fe		FCC ID	Trade Name
Notebook Computer	XiaoXin CHAO5000	PF0WZYD9	1	Lenovo		
Adapter	ADLX65CCGC 2A	8SSA10M42805C1 SG79N12T6		Lenovo		

Note:

use.

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

TCT通测检测 TESTING CENTRE TECHNOLOGY

4. Facilities and Accreditations

4.1.Facilities

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

• 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: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China TEL: +86-755-27673339

4.3. Measurement Uncertainty

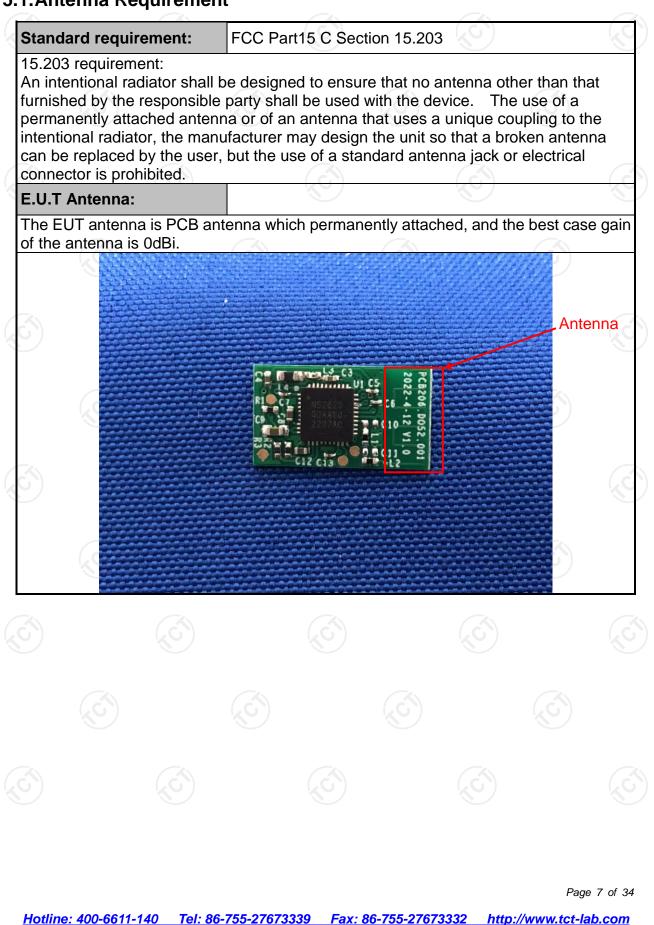
The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

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



5. Test Results and Measurement Data

5.1. Antenna Requirement



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					
DONGLE52 setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto					
	Frequency range	Limit (imit (dBuV)			
	(MHz)	Quasi-peak	Áverage			
Limits:	0.15-0.5	66 to 56*	56 to 46*			
	0.5-5	56	46			
	5-30	60	50			
	Refere	ence Plane				
Test Setup:	AUX Filter AC power Equipment E.U.T Test table/Insulation plane EMI Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m					
	Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilizatio	ane				
Test Mode:	Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilizatio	on Network				
Test Mode: Test Procedure:	Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Transmitting mode witt 1. The E.U.T and simple power through a line (L.I.S.N.). This pre- impedance for the noise power through a L coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interfered emission, the relative the interface cables	ane <i>on Network</i> h modulation ulators are connece impedance stab ovides a 500hm neasuring equipment ces are also connece ISN that provides a with 500hm term diagram of the . line are checked nce. In order to firm re positions of equipment s must be chang	a 500hm/50uH coupling ent. ected to the main a 500hm/50uH hination. (Please test setup and ed for maximum ipment and all o ed according to			
	Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Transmitting mode wit 1. The E.U.T and simulation power through a line (L.I.S.N.). This pro- impedance for the minimal 2. The peripheral device power through a L coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interference emission, the relative	ane <i>on Network</i> h modulation ulators are connece impedance stab ovides a 500hm neasuring equipment ces are also connece ISN that provides a with 500hm term diagram of the . line are checked nce. In order to firm re positions of equipment s must be chang	a 500hm/50uH coupling ent. ected to the main a 500hm/50uH hination. (Please test setup and d for maximum hd the maximum ipment and all o ed according to			



5.2.2. Test Instruments

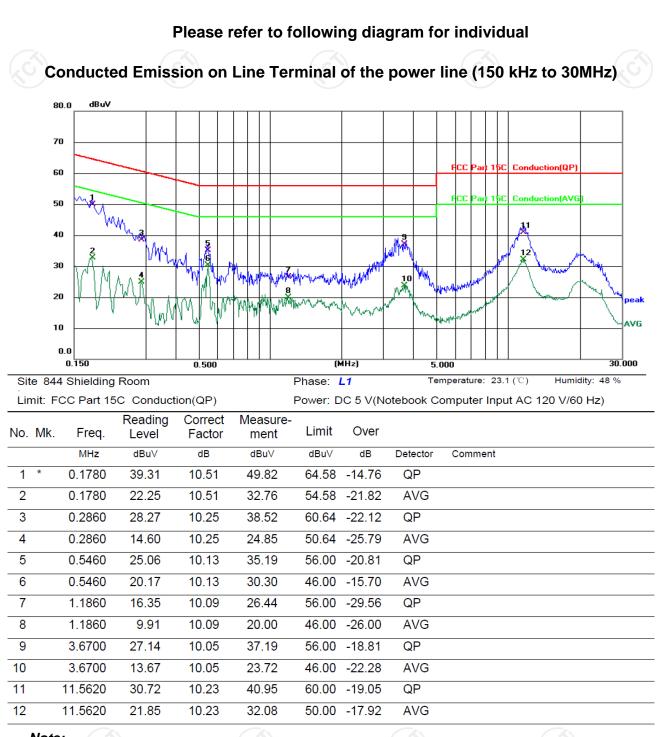
Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number Calibratio					
EMI Test DONGLE52	R&S	ESCI3	100898	Jul. 03, 2023				
Line Impedance Stabilisation Schwarzbo Newtork(LISN)		NSLK 8126	8126453	Feb. 24, 2023				
Line-5	тст	CE-05	/	Jul. 03, 2023				
EMI Test Software	Shurple Technology	EZ-EMC	1	1				



Page 9 of 34

5.2.3. Test data

Report No.: TCT220913E015

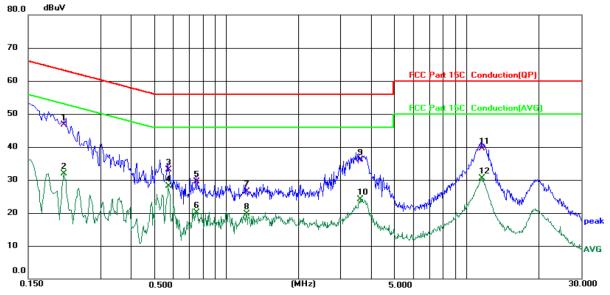


Note:

Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = DONGLE52 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.

Page 10 of 34



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

Site 844 Shielding Room Phase: N Temperature: 23.1 (°C) Humidity: 48 %

Limit: FCC Part 15C	Conduction(QP)
---------------------	----------------

Power: DC 5 V(Notebook Computer 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	*	0.2100	36.34	10.28	46.62	63.21	-16.59	QP	
2		0.2100	21.60	10.28	31.88	53.21	-21.33	AVG	
3		0.5740	22.92	10.11	33.03	56.00	-22.97	QP	
4		0.5740	18.02	10.11	28.13	46.00	-17.87	AVG	
5		0.7580	19.42	10.10	29.52	56.00	-26.48	QP	
6		0.7580	9.97	10.10	20.07	46.00	-25.93	AVG	
7		1.2140	16.43	10.11	26.54	56.00	-29.46	QP	
8		1.2140	9.63	10.11	19.74	46.00	-26.26	AVG	
9		3.6180	25.99	10.15	36.14	56.00	-19.86	QP	
10		3.6180	13.86	10.15	24.01	46.00	-21.99	AVG	
11		11.6020	29.20	10.33	39.53	60.00	-20.47	QP	
12		11.6020	20.15	10.33	30.48	50.00	-19.52	AVG	
-									

Note:

Freq. = Emission frequency in MHz Reading level $(dB\mu V) = DONGLE52$ 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.

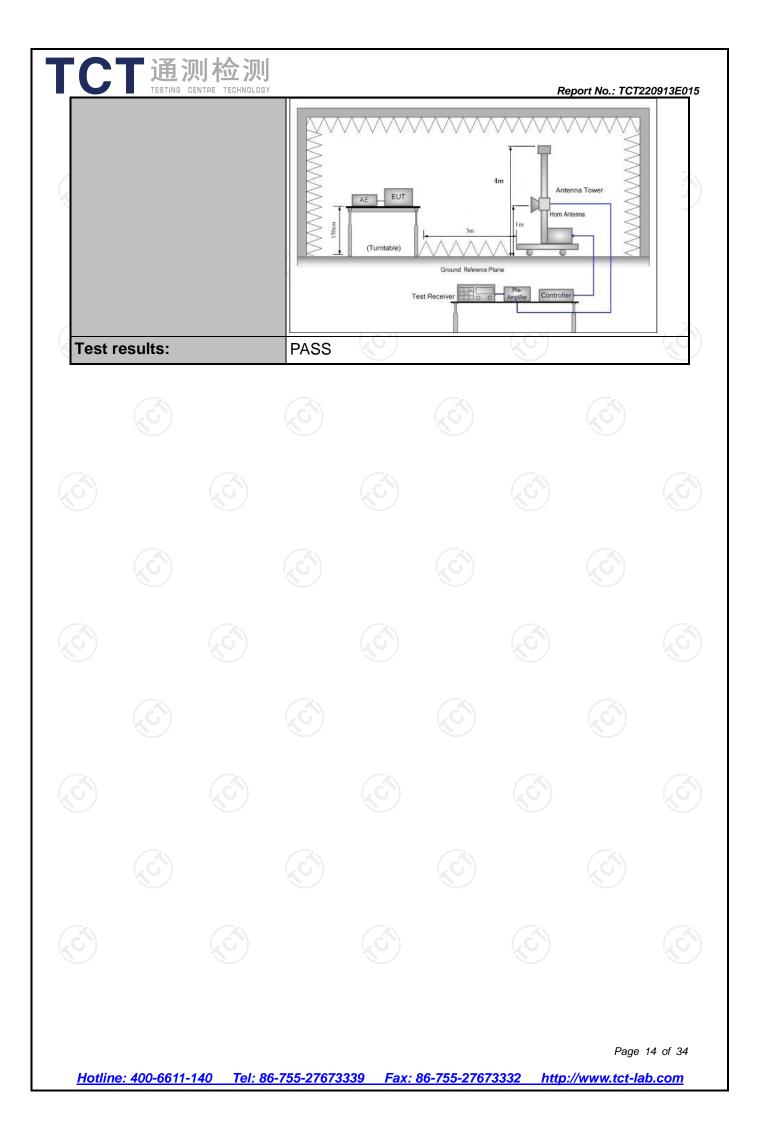
Page 11 of 34

5.3.Radiated Emission Measurement

5.3.1. Test Specification

Test Requirement:	FCC Part15	C Section	15 209					
Test Method:	ANSI C63.1		110.200		le le			
Frequency Range:	9 kHz to 25	GHZ						
Measurement Distance:	3 m							
Antenna Polarization:	Horizontal & Vertical							
	Frequency	Detector	RBW	VBW	Remark			
DONCI EE2 Soture	9kHz- 150kHz 150kHz-	Quasi-peak Quasi-peak	200Hz 9kHz	1kHz 30kHz	Quasi-peak Value Quasi-peak Value			
DONGLE52 Setup:	30MHz 30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value			
		Peak	1MHz	3MHz	Peak Value			
	Above 1GHz	Peak	1MHz	10Hz	Average Value			
	Freque	ency	Limit (dBu	//m @3m)	Remark			
Limit(Field strength of the			94.	,	Average Value			
fundamental signal):	2400MHz-24	483.5MHz	114		Peak Value			
	Freque	ency	Limit (dBu	//m @3m)	Remark			
	0.009-0		2400/F		Quasi-peak Value			
	0.490-1		24000/		Quasi-peak Value			
	1.705		3	· · ·	Quasi-peak Value			
	30MHz-8		40	.0	Quasi-peak Value			
Limit(Spurious Emissions):	88MHz-2	16MHz	43	.5	Quasi-peak Value			
	216MHz-9	060MHz	46	.0	Quasi-peak Value			
	960MHz	-1GHz	54	.0 0	Quasi-peak Value			
	Above	1GHz	54	.0	Average Value			
			74	-	Peak Value			
Limit (band edge) :	bands, exc least 50 dB general rad whichever i	ept for har below the diated em s the lesse	monics, s level of t ission lir er attenua	shall be a he funda nits in s tion.				
Test Procedure:	 general radiated emission limits in Section 15.209, whichever is the lesser attenuation. 1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber in below 1GHz, 1.5m above the ground in above 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna 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. 							

	Report No.: TCT220913E
	 4. 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. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
	For radiated emissions below 30MHz
	Distance = 3m Computer Pre - Amplifier Pre - Amplifier Computer Pre - Amplifier Receiver Ground Plane
Test setup:	EUT Tum O.8m Ground Plane
	Above 1GHz (The diagram below shows the test setup that is utilized to make the measurements for emission from 1GHz to the tenth harmonic of the highest fundamental frequency or to 40GHz emissions, whichever is lower.)



5.3.2. Test Instruments

TCT通测检测 TESTING CENTRE TECHNOLOGY

	Radiated Em	nission Test Site	e (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESIB7	100197	Jul. 03, 2023
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 03, 2023
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Feb. 24, 2023
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Feb. 24, 2023
Pre-amplifier	HP	8447D	2727A05017	Jul. 03, 2023
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 11, 2024
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 05, 2024
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 05, 2024
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Apr. 10, 2023
Antenna Mast	Keleto	RE-AM	1	
Coaxial cable	SKET	RC-18G-N-M		Feb. 24, 2024
Coaxial cable	SKET	RC_40G-K-M	/	Feb. 24, 2024
EMI Test Software	Shurple Technology	EZ-EMC		1

Page 15 of 34

5.3.3. Test Data

Field Strength of Fundamental

Frequency (MHz)	Emission PK (dBuV/m)	Horizontal /Vertical	Limits PK (dBuV/m)	Margin (dB)
2402	90.30	Н	114	-23.70
2402	83.94	V	114	-30.06
2441	91.17	н	114	-22.83
2441	84.83	V	114	-29.17
2480	91.30	H	114	-22.70
2480	85.71	V	114	-28.29

Frequency (MHz)	Emission AV (dBuV/m)	Horizontal /Vertical	Limits AV (dBuV/m)	Margin (dB)
2402	90.17	Н	94	-3.83
2402	83.79	V	94	-10.21
2441	91.01	Н	94	-2.99
2441	84.74	V	94	-9.26
2480	91.19	H G	94	-2.81
2480	85.56	V	94	-8.44

Spurious Emissions

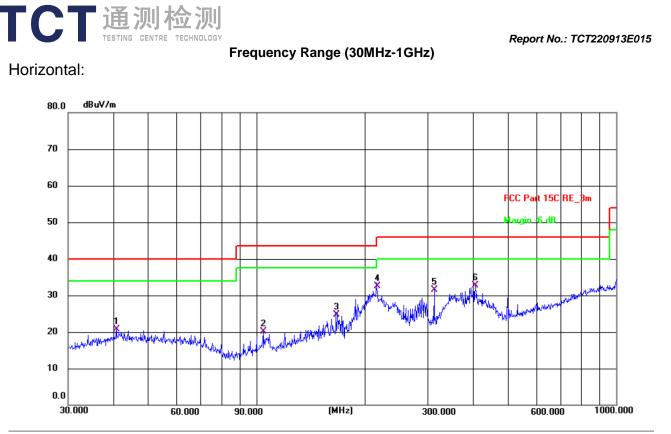
Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@	23m (dBµ	V/m)	Limit@3m (dBµV/m)
				-

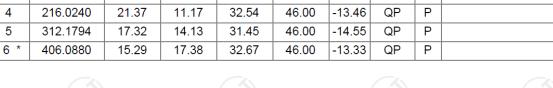
Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor.

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.

3. For fundamental frequency, RBW >20dB BW , VBW>=RBW, PK detector is for PK value, RMS detector is for AV value.

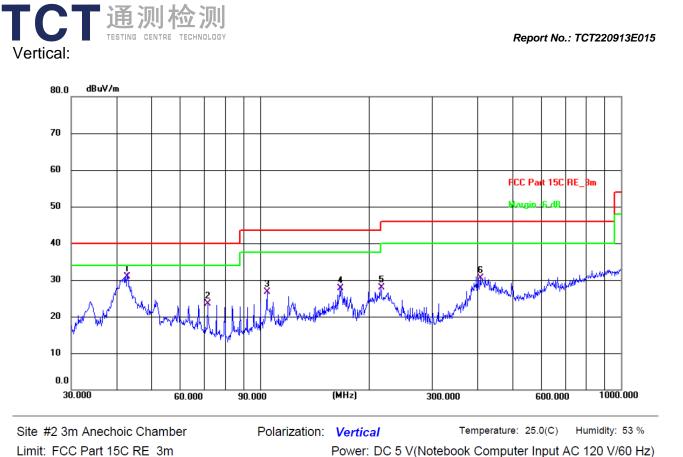


	e #2 3m Anechoic Chamber Polarization: Horizontal nit: FCC Part 15C RE_3m Power: DC 5								emperature: 25.0(C) Humidity: 53 % k Computer Input AC 120 V/60 Hz)
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	40.8446	6.65	14.00	20.65	40.00	-19.35	QP	Ρ	
2	104.5361	9.24	10.77	20.01	43.50	-23.49	QP	Р	
3	166.6514	12.07	12.71	24.78	43.50	-18.72	QP	Р	
4	216.0240	21.37	11.17	32.54	46.00	-13.46	QP	Р	



5

Page 17 of 34



Margin Frequency Reading Factor Level Limit Detector P/F Remark No. (dB) (MHz) (dBuV) (dB/m) (dBuV/m) (dBuV/m) 42.8997 17.03 30.98 1 * 13.95 40.00 -9.02 QP Ρ 2 71.5805 12.65 10.80 23.45 40.00 -16.55 QP Ρ 104.5360 15.94 10.77 26.71 43.50 -16.79 QP Ρ 3 166.6513 14.97 12.71 27.68 43.50 -15.82 QP Ρ 4 16.71 27.88 46.00 5 216.0239 11.17 -18.12 QP Ρ 407.5144 13.07 17.40 46.00 -15.53 6 30.47 QP Ρ

Note: Measurements were conducted in all channels (high, middle, low), and the worst case (Highest channel) was submitted only.

Page 18 of 34

	TESTING CI	ENTRE TECHNOL	OGY				R	eport No.: To	CT220913E01		
				Above	e 1GHz			-			
Low channel: 2402MHz											
Frequency	Ant Pol	Peak	AV	Correction		on Level	Peak limit	t AV limit	Margin		
(MHz)	requency Ant. Pol. (MHz) H/V				actor Peak AV dB/m) (dBµV/m) (dBµV/m		(dBµV/m)	(dBµV/m)	(dB)		
4804	Н	52.13		-3.94	48.19		74	54	-5.81		
7206	Н	46.54		0.52	47.06		74	54	-6.94		
)									
4804	V	49.62		-3.94	45.68		74	54	-8.32		
7206	V	43.24	- -	0.52	43.76	.Gt	74	54	-10.24		
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	/	<	<u> </u>					

			N	liddle chann	el: 2441M	Hz			
Frequency	Ant Pol	Peak	AV	Correction	Emissio	on Level	Peak limit	A)/limit	Margin
(MHz)	H/V	reading	reading	Factor	Peak			(dBµV/m)	(dB)
(101112)		(dBµV)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(ubµ v/m)	(ubµ v/m)	(ub)
4882	Н	51.47		-3.98	47.49		74	54	-6.51
7323	Н	45.56		0.57	46.13		74	54	-7.87
				·	(				
			Ko						
4882	V	51.21		-3.98	47.23		74	54	-6.77
7323	V	44.58		0.57	45.15		74	54	-8.85
6				(.0			$(\mathbf{G})$		(.c

				High chann	el: 2480MH	Ιz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emissio Peak (dBµV/m)	on Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)	
4960	Н	52.66		-3.98	48.68	<u> </u>	74	54	-5.32	
7440	<u>н</u>	47.09		0.57	47.66		74	54	-6.34	
4960	V	51.35		-3.98	47.37		74	54	-6.63	
7440	V	45.87		0.57	46.44		74	54	-7.56	
				0						

#### Note:

**ГСТ**通测检测

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

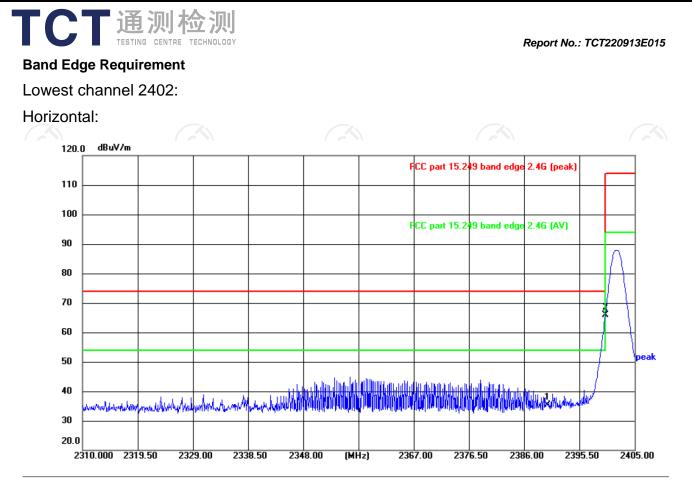
2. Margin (dB) = Emission Level (Peak) (dB $\mu$ V/m)-Average limit (dB $\mu$ V/m)

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.

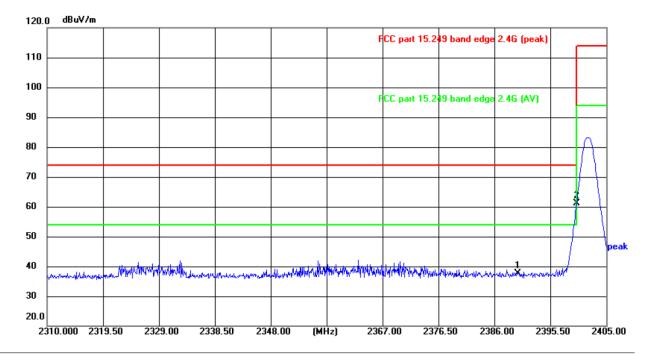
6. All the restriction bands are compliance with the limit of 15.209.



Site					Polariz	zation:	Horizo	ntal	Temperature: 25.1(℃)
Limit	FCC part 15.	249 band e	edge 2.4G		Power	: DC	5 V		Humidity: 48 %
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	2390.000	51.19	-15.76	35.43	74.00	-38.57	peak	Ρ	
2 *	2400.000	81.55	-15.72	65.83	74.00	-8.17	peak	Ρ	
						1			

Page 20 of 34

#### Vertical:



Site					Polari	ization:	Vertic	Temperature: 25.1(℃)	
Limit:	FCC part 15.2	249 band e	edge 2.4G		Powe	r: DC	Humidity: 48 %		
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	2390.000	53.27	-15.76	37.51	74.00	-36.49	peak	Р	
2 *	2400.000	76.84	-15.72	61.12	74.00	-12.88	peak	Ρ	



Page 21 of 34

Report No.: TCT220913E015

Highest channel 2480: Horizontal: 120.0 dBuV/m 110 100 90

Site					Polarization: Horizontal				Temperature	: 2	.5.1(℃)	
Limit: FCC part 15.249 band edge 2.4G				Power: DC 5 V			Humidity:	48 %				
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark	(		
1 *	2483.500	64.72	-15.41	49.31	74.00	-24.69	peak	Ρ				

when the man and the man and house the desired

(MHz)

2491.20

2486.80

Page 22 of 34

80

70

60

50

40

30 20.0

2478.000 2480.20

2482.40

2484.60

Report No.: TCT220913E015

In the survey of the hard and the

2497.80

eak

2500.00

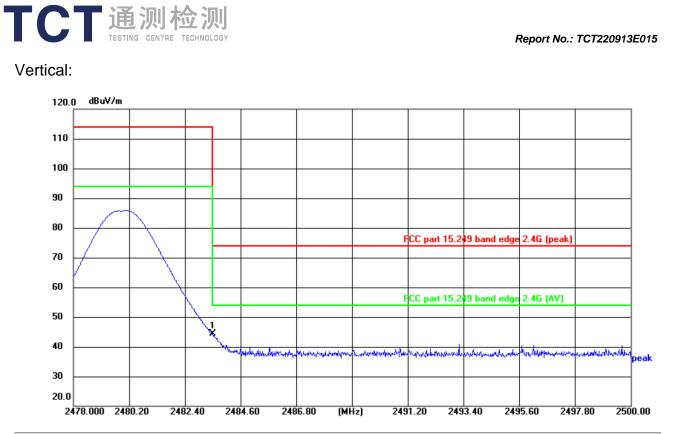
FCC part 15.249 band edge 2.4G (peak)

FCC part 15.249 band edge 2.4G (AV)

man production of the first and the

2493.40

2495.60



Site					Polari	zation:	Vertic	al	Temperature: 25.1(℃)
Limit: FCC part 15.249 band edge 2.4G					Power: DC 5 V			Humidity: 48 %	
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1 *	2483.500	59.90	-15.41	44.49	74.00	-29.51	peak	Ρ	

Note:	Measurements v	vere conduct	ed in all chann	els (high, mido	lle, low), and t	he worst case	(Highest chan	nel) was
	submitted only.							
							Page	23 of 34
<u>Hotli</u>	<u>ne: 400-6611-1</u>	<u>40 Tel: 8</u>	6-755-27673	339 Fax: 8	86-755-2767	<u>3332 http:</u>	//www.tct-la	<u>b.com</u>



## 5.4. 20dB Occupied Bandwidth

### 5.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.215(c)
Test Method:	ANSI C63.10: 2013
Limit:	N/A
	<ol> <li>According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW≥1% of the 20 dB bandwidth; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> <li>Measure and record the results in the test report.</li> </ol>
Test setup:	Spectrum Analyzer
Test Mode:	Transmitting mode with modulation
Test results:	PASS

#### 5.4.2. Test Instruments

Manufacturer	Model	Serial Number	Calibration DueFeb. 24, 2023	
R&S	FSV40-N	102188		
			C	
			Page 24 of 34	

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#### 5.4.3. Test data

#### Report No.: TCT220913E015

Test Channel	20dB Occupy Bandwidth (kHz)	Limit	Conclusion		
Lowest	951.6		PASS		
Middle	990.3		PASS		
Highest	997.8		PASS		
Test plots as follows:			$(\mathcal{S})$		

Page 25 of 34

