	TEST REPOR	RT						
FCC ID	2AQRM-A67M							
Test Report No:	TCT241101E030							
Date of issue:	Dec. 11, 2024							
Testing laboratory: :	SHENZHEN TONGCE TESTIN	IG LAB						
Testing location/ address:	2101 & 2201, Zhenchang Facto Subdistrict, Bao'an District, She People's Republic of China	ory Renshan Industrial Zone, Fuha enzhen, Guangdong, 518103,						
Applicant's name: :	t's name: FOXX Development Inc.							
Address:	3480 Preston Ridge Road, Suit	e500, Alpharetta, GA 30005, USA						
Manufacturer's name :	FOXX Development Inc.							
Address:	3480 Preston Ridge Road, Suit	te500, Alpharetta, GA 30005, USA						
Standard(s):	FCC CFR Title 47 Part 15 Subp FCC KDB 558074 D01 15.247 ANSI C63.10:2020							
Product Name::	Smart Phone							
Trade Mark:	FOXXD, FOXX, MIRO							
Model/Type reference :	A67M							
Rating(s):	Adapter Information: Model: A67M Input: AC 100-240V, 50/60Hz, Output: DC 5.0V, 1.5A, 7.5W Rechargeable Li-ion Battery DC							
Date of receipt of test item	Nov. 01, 2024							
Date (s) of performance of test:	Nov. 02, 2024 ~ Dec. 10, 2024							
Tested by (+signature) :	Aaron MO	Aaron ARONGCER						
Check by (+signature) :	Beryl ZHAO	Boy 20 (TCT)						
Approved by (+signature):	Tomsin	Tomsm 10 55						

TESTING LAB personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

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1. General Product Information

1.1. EUT description

Product Name:	Smart Phone		
Model/Type reference:	A67M		
Sample Number:	TCT241101E029-0101		
Bluetooth Version:	V5.0 (This report is for BLE)		
Operation Frequency:	2402MHz~2480MHz		
Channel Separation:	2MHz	(c^{*})	
Data Rate:	LE 1M PHY, LE 2M PHY		
Number of Channel:	40		
Modulation Type:	GFSK		
Antenna Type:	FPC Antenna		
Antenna Gain:	-0.35dBi		
Rating(s):	Adapter Information: Model: A67M Input: AC 100-240V, 50/60Hz, 0. Output: DC 5.0V, 1.5A, 7.5W Rechargeable Li-ion Battery DC	3.85V 4000mAh 15.4	

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	Channel	Frequency	Channel	Frequency	Channel	Frequency			
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz			
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz			
	0	D	🏹		X	<u> </u>				
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz			
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz			
Remark:	Remark: Channel 0, 19 & 39 have been tested.									





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.

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3. General Information

3.1. Test environment and mode

Operating Environment:		
Condition	Conducted Emission	Radiated Emission
Temperature:	23.7 °C	24.2 °C
Humidity:	52 % RH	53 % RH
Atmospheric Pressure:	1010 mbar	1010 mbar
Test Software:		
Software Information:	Engineering test tool	
Power Level:	default	
Test Mode:		

Engineer mode: Channel and modulations with Fully-charged battery. 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.

Keep the EUT in continuous transmitting by select

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
\bigcirc /				1

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:

• 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
- SHENZHEN TONGCE TESTING LAB
- CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development 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

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 Bluetooth antenna is FPC Antenna which permanently attached, and the best case gain of the antenna is -0.35 dBi.



5.2. Conducted Emission

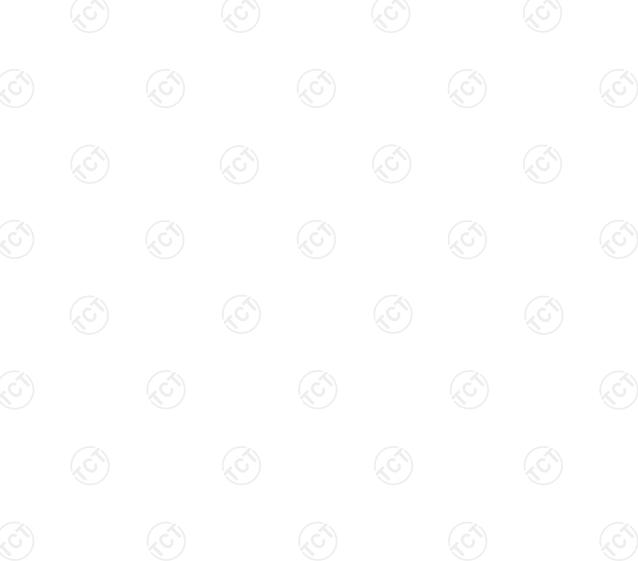
5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207									
Test Method:	ANSI C63.10:2020	ANSI C63.10:2020									
Frequency Range:	150 kHz to 30 MHz	(C)	$\left(\mathcal{C}^{\prime}\right)$								
Receiver setup:	RBW=9 kHz, VBW=30) kHz, Sweep time	e=auto								
	Frequency range	Limit (dBuV)								
	(MHz)	Quasi-peak	Average								
Limits:	0.15-0.5	66 to 56*	56 to 46*								
	0.5-5	56	46								
	5-30	60	50								
	Referenc	e Plane									
Test Setup:	E.U.T AC powe Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization IN Test table height=0.8m	Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network									
Test Mode:	Charging + Transmittir	ng Mode									
Test Procedure:	 The E.U.T is connerimpedance stabilizy provides a 500hm/s measuring equipme The peripheral device power through a Licoupling impedance refer to the block photographs). Both sides of A.C. conducted interferent emission, the relative the interface cables ANSI C63.10:2020 (2010) 	zation network 50uH coupling im nt. ces are also conne ISN that provides with 50ohm terr diagram of the line are checke nce. In order to fi e positions of equ s must be chang	(L.I.S.N.). This pedance for the acted to the mains a 50ohm/50uh nination. (Please test setup and ed for maximum nd the maximum ipment and all o ged according to								
		on conducted mea	asurement.								

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5.2.2. Test Instruments

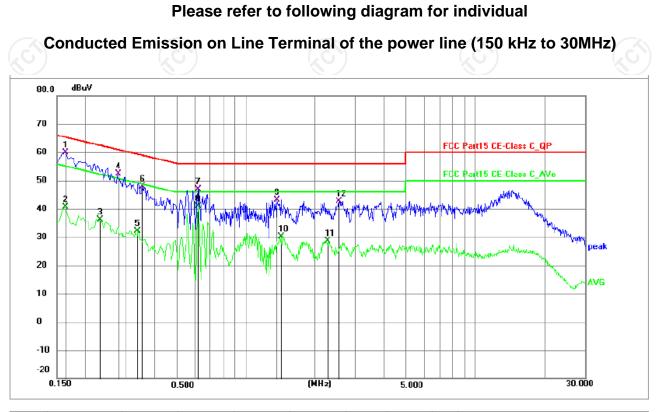
Cond	Conducted Emission Shielding Room Test Site (843)										
Equipment	Manufacturer	Model	Serial Number	Calibration Due							
EMI Test Receiver	R&S	ESCI3	100898	Jun. 26, 2025							
LISN	Schwarzbeck	NSLK 8126	8126453	Jan. 31, 2025							
Attenuator	N/A	10dB	164080	Jun. 26, 2025							
Line-5	тст	CE-05	/	Jun. 26, 2025							
EMI Test Software	EZ_EMC	EMEC-3A1	1.1.4.2	1							



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5.2.3. Test data

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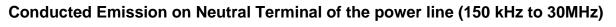
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1635	49.52	10.48	60.00	65.28	-5.28	QP	Р	
2	0.1635	30.07	10.48	40.55	55.28	-14.73	AVG	Р	
3	0.2310	25.52	10.56	36.08	52.41	-16.33	AVG	Р	
4	0.2760	41.77	10.56	52.33	60.94	-8.61	QP	Р	
5	0.3371	21.56	10.57	32.13	49.27	-17.14	AVG	Р	
6	0.3523	37.33	10.57	47.90	58.91	-11.01	QP	Р	
7	0.6180	36.34	10.64	46.98	56.00	-9.02	QP	Р	
8 *	0.6180	30.18	10.64	40.82	46.00	-5.18	AVG	Р	
9	1.3605	32.53	10.66	43.19	56.00	-12.81	QP	Р	
10	1.4190	19.53	10.66	30.19	46.00	-15.81	AVG	Р	
11	2.2830	17.95	10.67	28.62	46.00	-17.38	AVG	Ρ	
12	2.5574	32.07	10.67	42.74	56.00	-13.26	QP	Р	

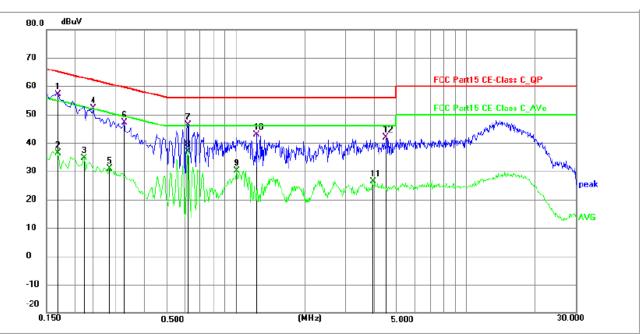
Note:

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 AVC = suprase

AVG =average

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





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1680	46.64	10.49	57.13	65.06	-7.93	QP	Р	
2	0.1680	25.98	10.49	36.47	55.06	-18.59	AVG	Р	
3	0.2174	24.01	10.56	34.57	52.92	-18.35	AVG	Р	
4	0.2400	41.55	10.56	52.11	62.10	-9.99	QP	Р	
5	0.2805	20.28	10.56	30.84	50.80	-19.96	AVG	Р	
6	0.3255	36.62	10.57	47.19	59.57	-12.38	QP	Р	
7	0.6180	35.78	10.64	46.42	56.00	-9.58	QP	Р	
8	0.6180	26.23	10.64	36.87	46.00	-9.13	AVG	Р	
9	1.0050	19.59	10.66	30.25	46.00	-15.75	AVG	Р	
10	1.2341	32.17	10.66	42.83	56.00	-13.17	QP	Р	
11	3.9344	15.78	10.67	26.45	46.00	-19.55	AVG	Р	
12	4.5104	31.25	10.70	41.95	56.00	-14.05	QP	Р	

Note1:

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 μ V) – Limits (dB μ V)

Q.P. =Quasi-Peak

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AVG =average

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

Note2: Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 2M speed modulation. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Highest channel) was submitted only.

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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

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025
Test Software	TST Pass	/	/	/



5.4. Emission Bandwidth

5.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)					
Test Method:	KDB 558074 D01 v05r02					
Limit:	>500kHz					
Test Setup:						
	Spectrum Analyzer EUT					
Test Mode:	Refer to item 3.1					
Test Procedure:	 Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report. 					
Test Result:	PASS					

5.4.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025
Test Software	TST Pass	/	3 1	

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:	
Test Meder	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. 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

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025
Test Software	TST Pass	/	/	/

5.6. Conducted Band Edge and Spurious Emission Measurement

5.6.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.247 (d)	, ć
Test Method:	KDB 558074 D01 v05r0	02	e
Limit:	frequency band, the non-restricted bands sh 30dB relative to the ma RF conducted measu which fall in the restrict	width outside of the a emissions which fa nall be attenuated at lea aximum PSD level in 10 rement and radiated ted bands, as defined i omply with the radiated on 15.209(a).	II in the st 20 dB / 00 kHz by emissions in Section
Test Setup:	Spectrum Analyzer	EUT)
Test Mode:	Refer to item 3.1	(\mathcal{G})	(c
Test Procedure:	analyzer by RF cab compensated to the 2. Set to the maximum EUT transmit contin 3. Set RBW = 100 kHz, Unwanted Emission bandwidth outside of shall be attenuated maximum in-band p	VBW=300 kHz, Peak D is measured in any 100 of the authorized frequer by at least 20 dB relativ eak PSD level in 100 kH ducted output power pro	rement. le the Detector. kHz ncy band e to the Hz when
	power limits based of a time interval, the a paragraph shall be 3 15.247(d). 4. Measure and record 5. The RF fundamental	the results in the test re frequency should be ex- in the operating freque	nducted aging over ler this per port. ccluded



5.6.2. Test Instruments

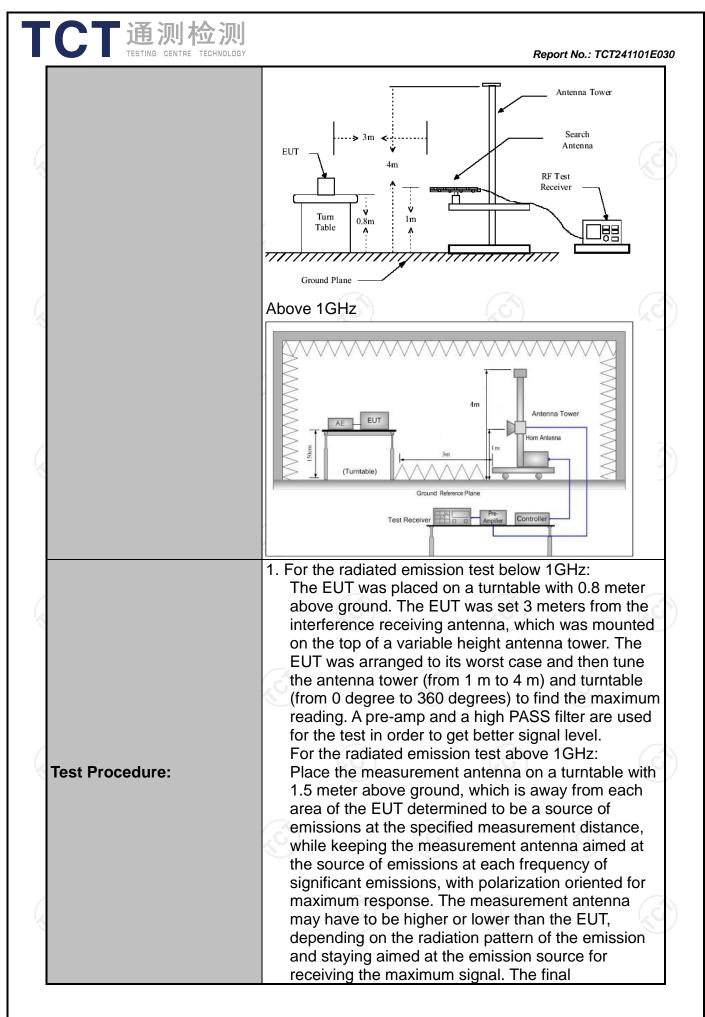
Name		Manufa	cturer	Model No.	Seria	al Number	Calibratio	on Due
	ectrum nalyzer	Agile	ent	N9020A	MY5	0101018	Jun. 26,	2025
	Software	TST F	Pass	1		1	1	



5.7.1. Test Specification

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Test Requirement:	FCC Part15 C Section 15.209								
Test Method:	ANSI C63.10:2020								
Frequency Range:	9 kHz to 25 (GHz							
Measurement Distance:	3 m		9)		$\langle \mathfrak{S} \rangle$				
Antenna Polarization:	Horizontal &	Horizontal & Vertical							
Operation mode:	Refer to item	Refer to item 3.1							
-•	Frequency	Detector	RBW	VBW	Remark				
	9kHz- 150kHz	Quasi-pea	k 200Hz	1kHz	Quasi-peak Value				
Receiver Setup:	150kHz- 30MHz	Quasi-pea		30kHz	Quasi-peak Value				
	30MHz-1GHz	Quasi-pea	k 120KHz	300KHz	Quasi-peak Value				
	Above 1GHz	Peak	1MHz	3MHz	Peak Value				
	7.00000 10112	Peak	1MHz	10Hz	Average Value				
	Frequen	icy	Field Stro (microvolts	-	Measurement Distance (meters)				
	0.009-0.490		2400/F(KHz)		300				
	0.490-1.705		24000/F	(KHz)	30				
	1.705-30		30		30				
	30-88		100		3				
	88-216		150		3				
Limit:	216-960		200		3				
	Above 960		500 Measurem		3 ment				
			Field Strength hicrovolts/meter) Distar (mete		ce Detector				
			500	3	Average				
	Above 1GHz 5000				Peak				
	For radiated	emission	s below 30	.C.`)	Computer				
Test setup:	EUT 0.Sm Turn table Receiver								
		Group	d Plane						



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	 measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. Use the following spectrum analyzer settings: Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; Set RBW = 1 MHz, VBW= 3MHz for f > 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test mode:	Refer to section 3.1 for details
Test results:	PASS

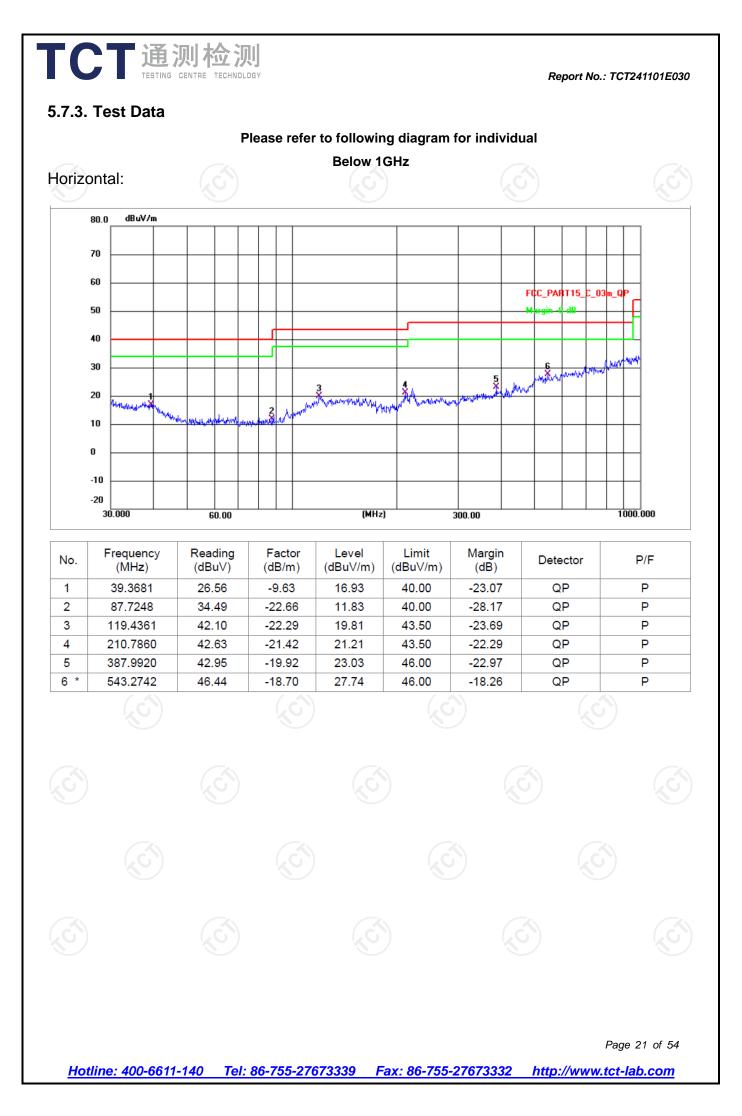
5.7.2. Test Instruments

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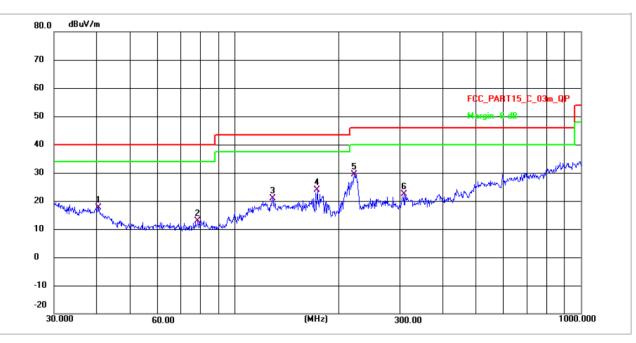
Radiated Emission Test Site (966)							
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due			
EMI Test Receiver	R&S	ESCI7	100529	Jan. 31, 2025			
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025			
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Jan. 31, 2025			
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Jan. 31, 2025			
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025			
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 26, 2025			
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 28, 2025			
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 28, 2025			
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 02, 2025			
Coaxial cable	SKET	RE-03-D	/	Jun. 26, 2025			
Coaxial cable	SKET	RE-03-M		Jun. 26, 2025			
Coaxial cable	SKET	RE-03-L	/	Jun. 26, 2025			
Coaxial cable	SKET	RE-04-D	1	Jun. 26, 2025			
Coaxial cable	SKET	RE-04-M	K	Jun. 26, 2025			
Coaxial cable	SKET	RE-04-L	/	Jun. 26, 2025			
Antenna Mast	Keleto	RE-AM					
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2				

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Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	40.4881	27.34	-9.63	17.71	40.00	-22.29	QP	Р
2	78.1389	22.16	-9.28	12.88	40.00	-27.12	QP	Р
3	128.5630	43.01	-22.20	20.81	43.50	-22.69	QP	Р
4	173.5089	45.55	-21.79	23.76	43.50	-19.74	QP	Р
5 *	221.7806	50.81	-21.32	29.49	46.00	-16.51	QP	Р
6	308.9126	43.03	-20.55	22.48	46.00	-23.52	QP	Р
<u>(</u>)		(<u>(</u> (<u>(</u>)))		6)	6	5)	(<u>(</u> ())

- **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. Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 2M speed modulation. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Highest channel) was submitted only.
 - 3. Freq. = Emission frequency in MHz Measurement (dBμV/m) = Reading level (dBμV) + Corr. Factor (dB) Correction Factor= Antenna Factor + Cable loss – Pre-amplifier Limit (dBμV/m) = Limit stated in standard Margin (dB) = Measurement (dBμV/m) – Limits (dBμV/m)
 * is meaning the worst frequency has been tested in the test frequency range

Test Result of Radiated Spurious at Band edges

Lowest channel 2402:

Horizontal:

Frequency	·v · · · · · · · · · · · · · · · · · ·				Over	Detector	
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	ιV/m) (dBμV/m)		Peak/AVG	
2310	59.37	-16.45	42.92	74	-31.08	Peak	
2310	50.02	-16.45	33.57	54	-20.43	AVG	
2390	60.12	-15.86	44.26	74	-29.74	Peak	
2390	51.87	-15.86	36.01	54	-17.99	AVG	

Vertical:

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	μV/m) (dBμV/m)		Peak/AVG
2310	59.83	-16.45	43.38	74 🕵	-30.62	Peak
2310	51.22	-16.45	34.77	54	-19.23	AVG
2390	50.47	-15.86	34.61	74	-39.39	Peak
2390	49.71	-15.86	33.85	54	-20.15	AVG







Highest channel 2480:

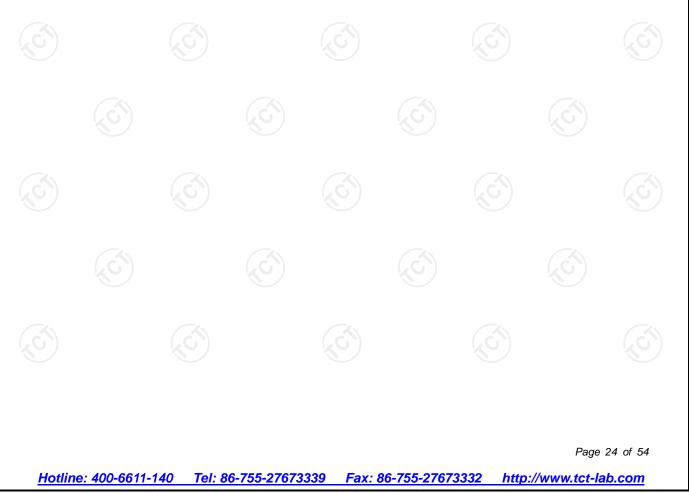
Horizontal:

Frequency	Reading Level	Correct Factor	Measurement	Measurement Limits Ov		Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m) (dBµV/m) (d		Peak/AVG
2483.5	61.79	-16.60	45.19	74.00	-28.81	Peak
2483.5	53.42	-16.60	36.82	54.00	-17.18	AVG
2500	60.07	-16.45	43.62	74.00	-30.38	Peak
2500	51.64	-16.45	35.19	54.00	-18.81	AVG
		2			N	

Vertical:

Frequency	Reading Level	Correct Factor	Measurement Limits		Over	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Peak/AVG
2483.5	60.89	-16.60	44.29	74.00	-29.71	Peak
2483.5	52.42	-16.60	35.82	54.00	-18.18	AVG
2500	60.77	-16.45	44.32	74.00	-29.68	Peak
2500	52.03	-16.45	35.58	54.00	-18.42	AVG

Note: Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 2M speed modulation.



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Frequency Ant. Pol.		Peak	AV	Correction	Emissic	on Level	Peak limit	AV/ limit	Margin (dB)
(MHz) H/V	reading (dBµV)	reading (dBuV)	Factor (dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)		
4804	Н	54.87		-9.51	45.36		74	54	-8.64
7206	Н	45.65		-1.41	44.24		74	54	-9.76
	Н								
4804	V	53.96		-9.51	44.45		74	54	-9.55
7206	V	44.33	-4.0	-1.41	42.92	<u>G</u> -)-	74	54	-11.08
	V								

Above 1GHz

Middle channel: 2440 MHz

Frequency	Ant. Pol.	Peak	AV	Correction		on Level	Peak limit	AV limit	Margin
(MHz)	H/V	reading (dBµV)	reading (dBµV)	Factor (dB/m)	Peak (dBµV/m)			(dBµV/m)	(dB)
4880	Н	55.22		-9.36	45.86		74	54	-8.14
7320	Н	46.79		-1.15	45.64		74	54	-8.36
	Н				/				
			KO.					KO)	
4880	V	54.09		-9.36	44.73		74	54	-9.27
7320	V	45.32		-1.15	44.17		74	54	-9.83
	V								
						•			

(MHz)

High channel: 2480 MHz

H/V

Frequency Ant. Pol.

4960	Н	56.18	 -9.20	46.98	 74	54	-7.02
7440	Ч	47.35	 -0.96	46.39	74	54	-7.61
	Н		 		 		
4960	V	55.72	 -9.20	46.52	 74	54	-7.48
7440	V	46.59	 -0.96	45.63	 74	54	-8.37
<u> </u>	V			/	 /		

Emission Level

AV

(dBµV/m

Peak

dBµV/m)

Peak limit

(dBµV/m) (dBµV/m)

AV limit

Margin

(dB)

Correction

Factor

(dB/m)

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)

The emission levels of other frequencies are very lower than the limit and not show in test report. З.

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.

Peak

reading

(dBµV)

AV

reading

 $(dB\mu V)$

7. Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 2M speed modulation.

Appendix A: Test Result of Conducted Test

1. Duty Cycle

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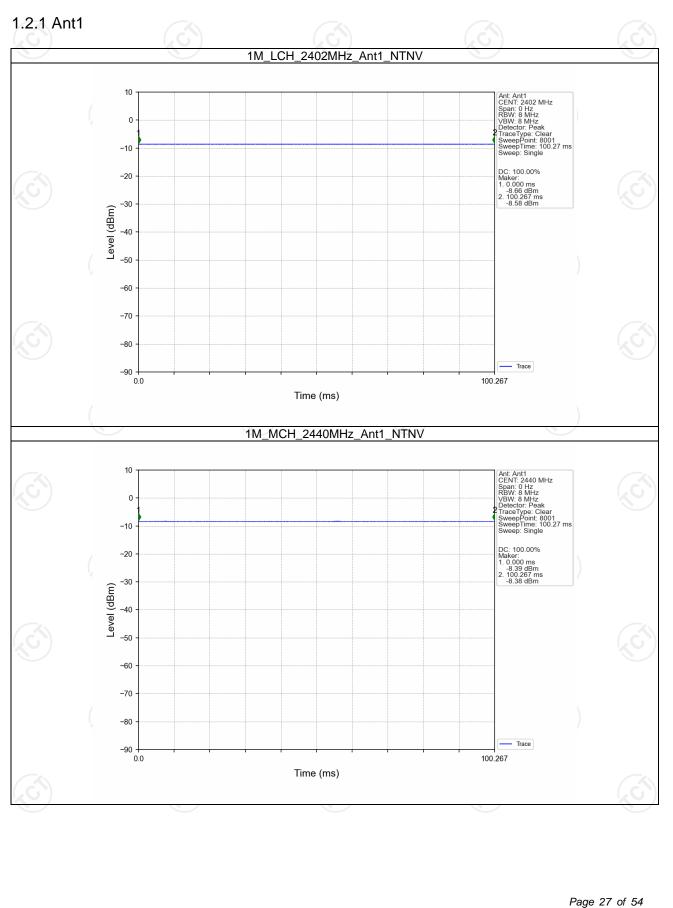
- 1.1 Test Result
- 1.1.1 Ant1

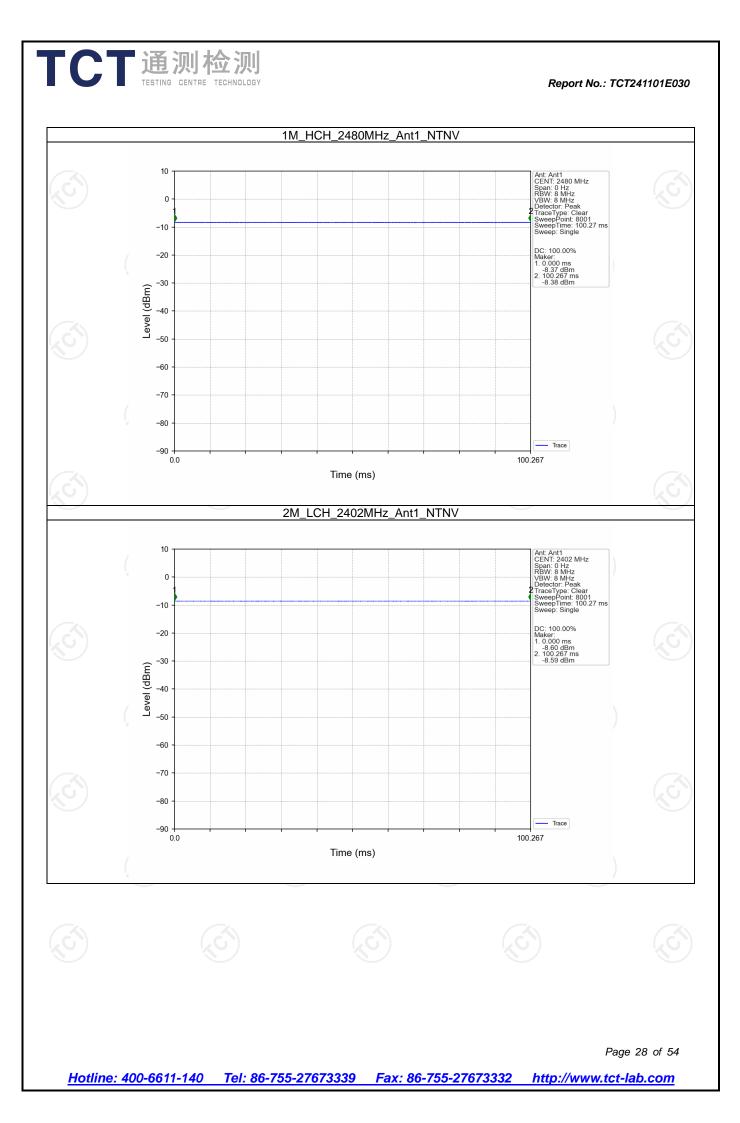
				A	nt1 🔍		
Mode	TX	Frequency	T_on	Period	Duty Cycle	Duty Cycle	Max. DC
	Туре	(MHz) 2402	(ms) 100.267	(ms) 100.267	(%) 100.00	Correction Factor (dB) 0.00	Variation (%) 0.00
1M	SISO	2440	100.207	100.207	100.00	0.00	0.00
\mathcal{G}		2480	100.267	100.267	100.00	0.00	0.00
		2402	100.267	100.267	100.00	0.00	0.00
2M	SISO	2440	100.267	100.267	100.00	0.00	0.00
		2480	100.267	100.267	100.00	0.00	0.00

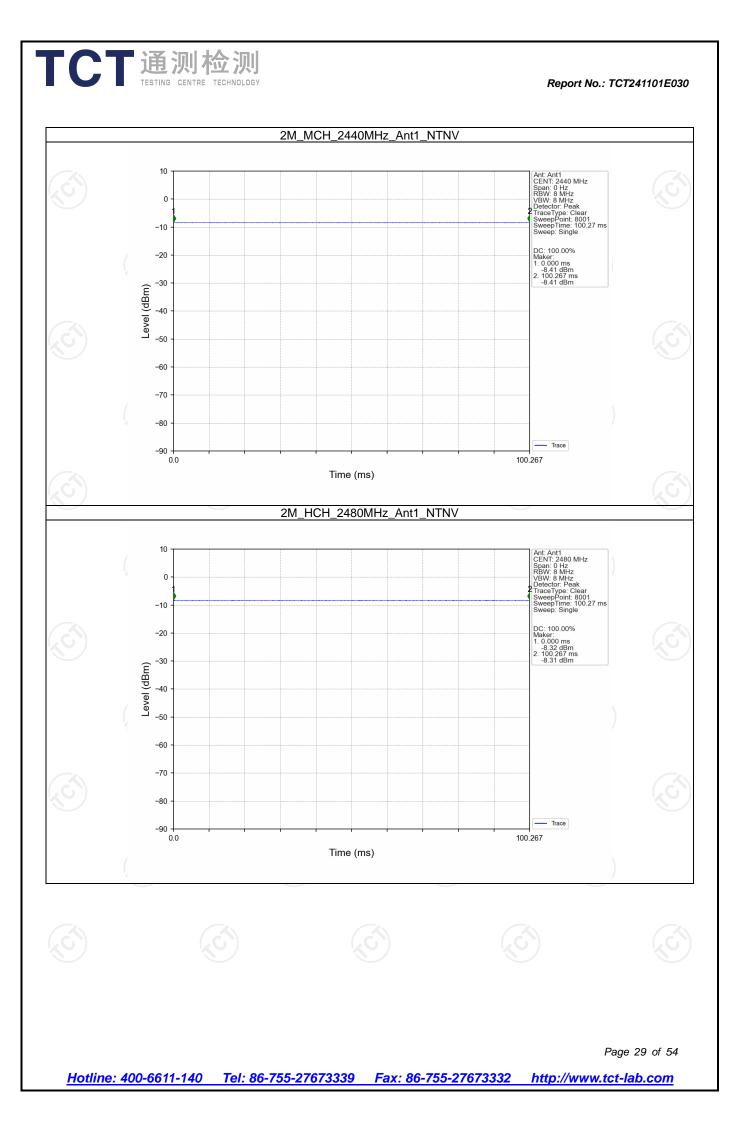
							Page	26 of 54
<u>Hotlin</u>	ne: 400-6611-	-140 Tel: 8	36-755-27673	339 Fax:	86-755-2767	3332 http	://www.tct-la	<u>ıb.com</u>



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2. Bandwidth

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2.1 Test Result

2.1.1 OBW

Mode TX Type	TX	TX Frequency		99% Occupie	Verdict	
	(MHz)	ANT	Result	Limit	verdict	
		2402	1	1.045	/	Pass
1M	SISO	2440	1	1.046	/	Pass
		2480	1	1.045	/	Pass
		2402	1	2.088	/	Pass
2M SISO	SISO	2440	1	2.090		Pass
		2480	1	2.089		Pass

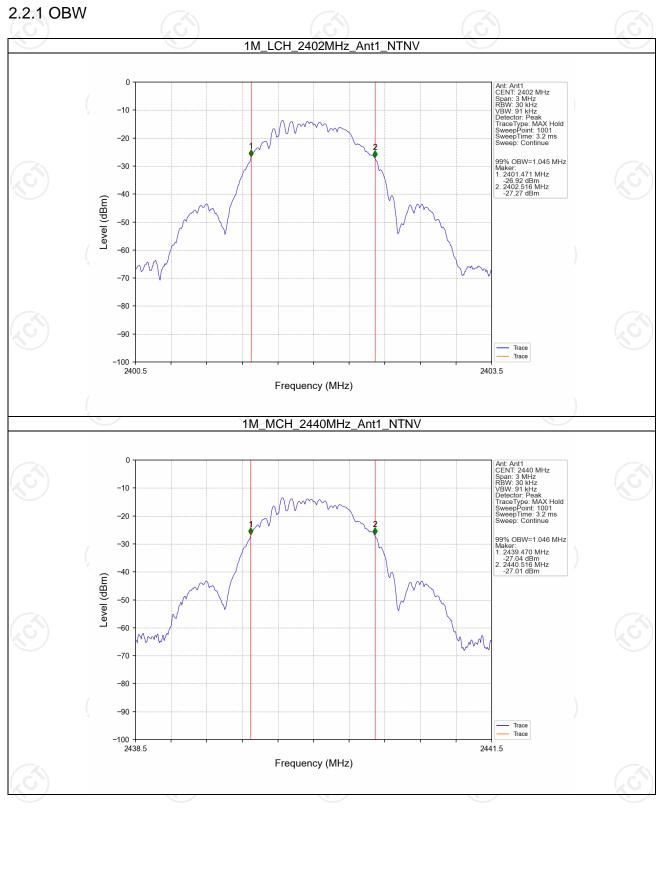
2.1.2 6dB BW

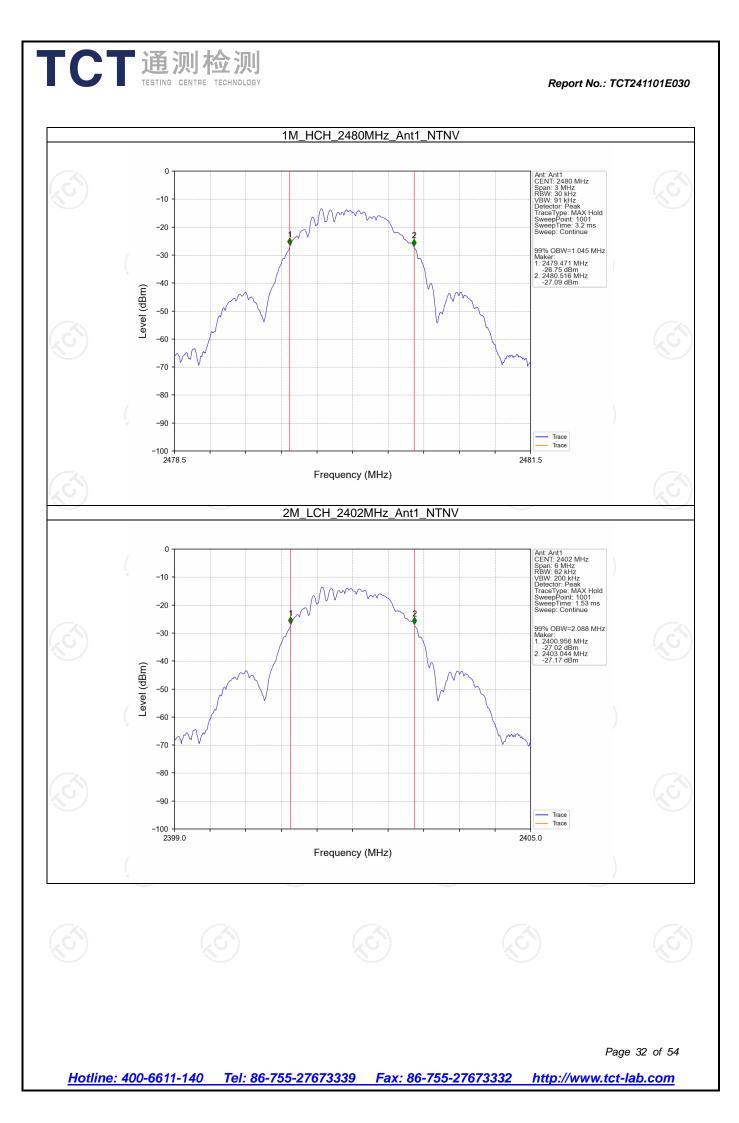
Mode	ТХ	Frequency	ANT	6dB Band	Verdict	
Туре	(MHz)	ANT	Result	Limit	verdict	
	1M SISO	2402	1	0.720	>=0.5	Pass
1M		2440	1	0.720	>=0.5	Pass
		2480	1	0.714	>=0.5	Pass
		2402	1	1.390	>=0.5	Pass
2M	SISO	2440	1	1.389	>=0.5	Pass
		2480	1	1.390	>=0.5	Pass

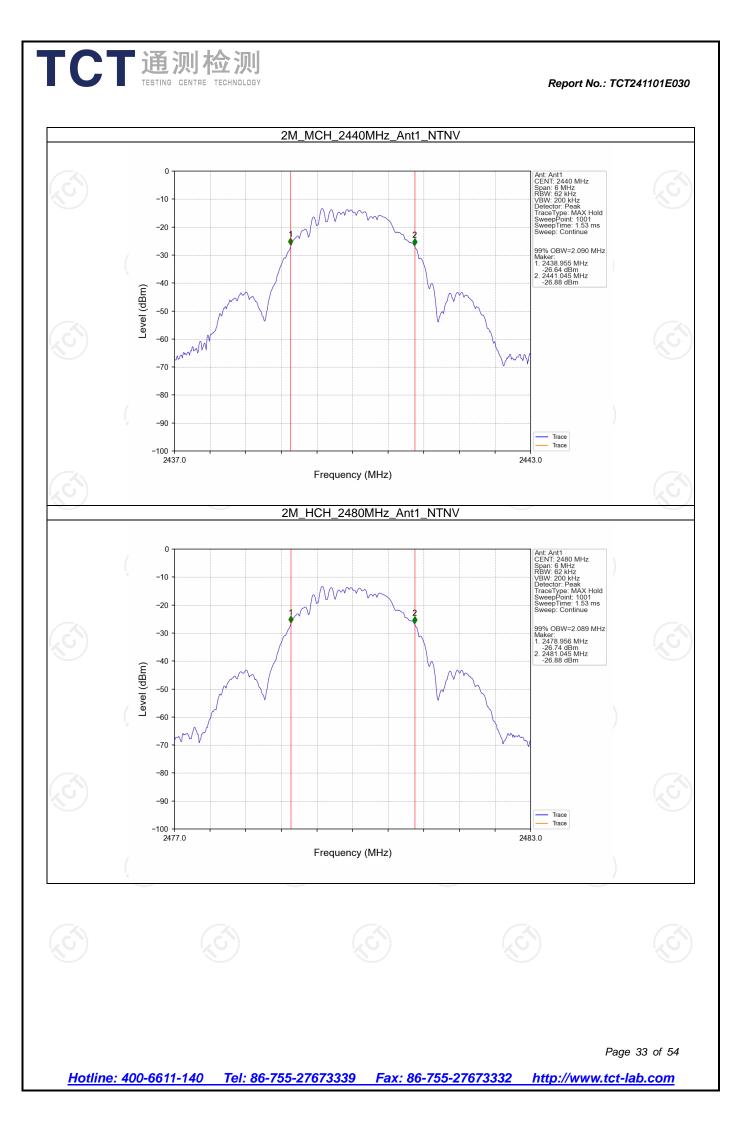


2.2 Test Graph

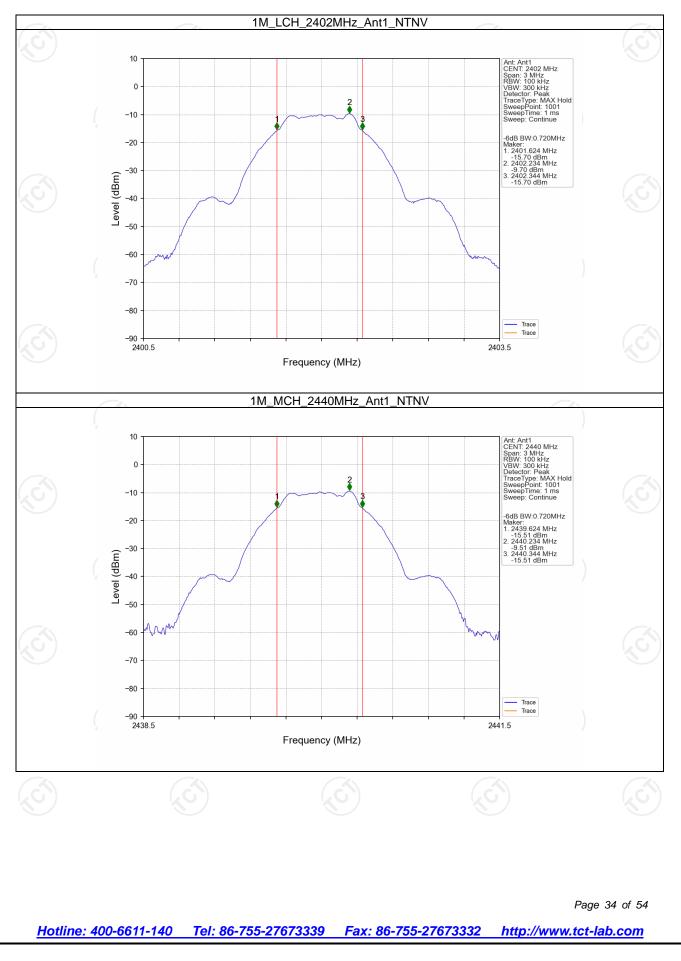
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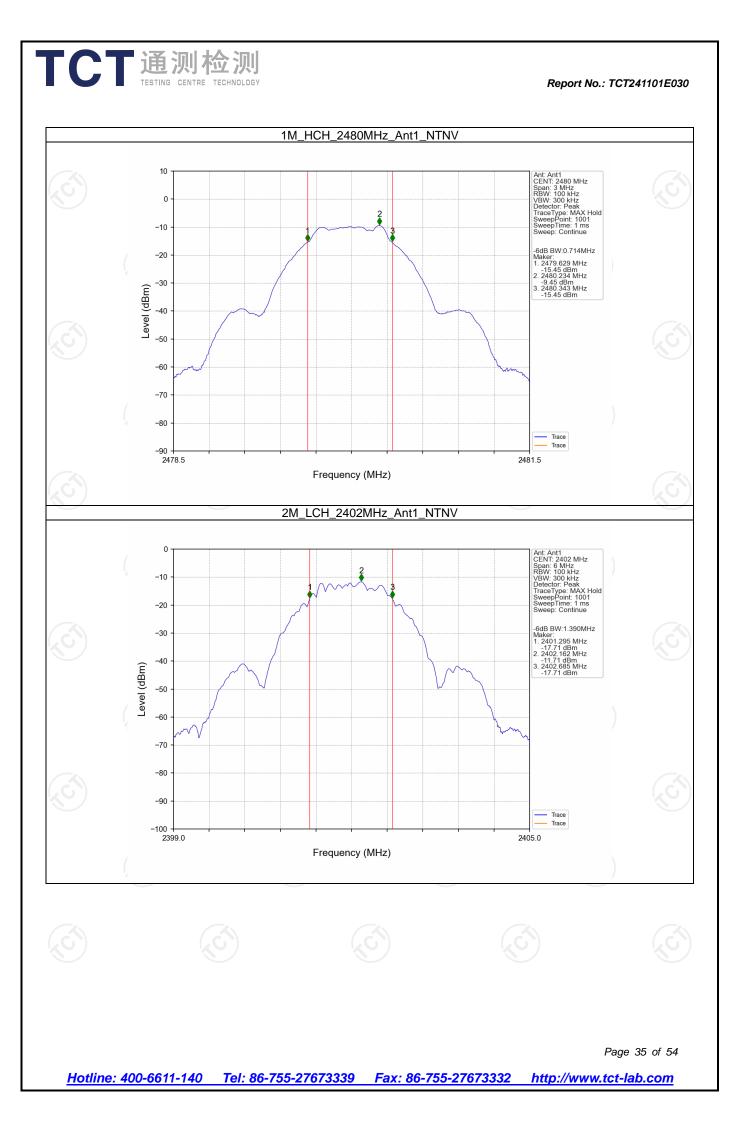


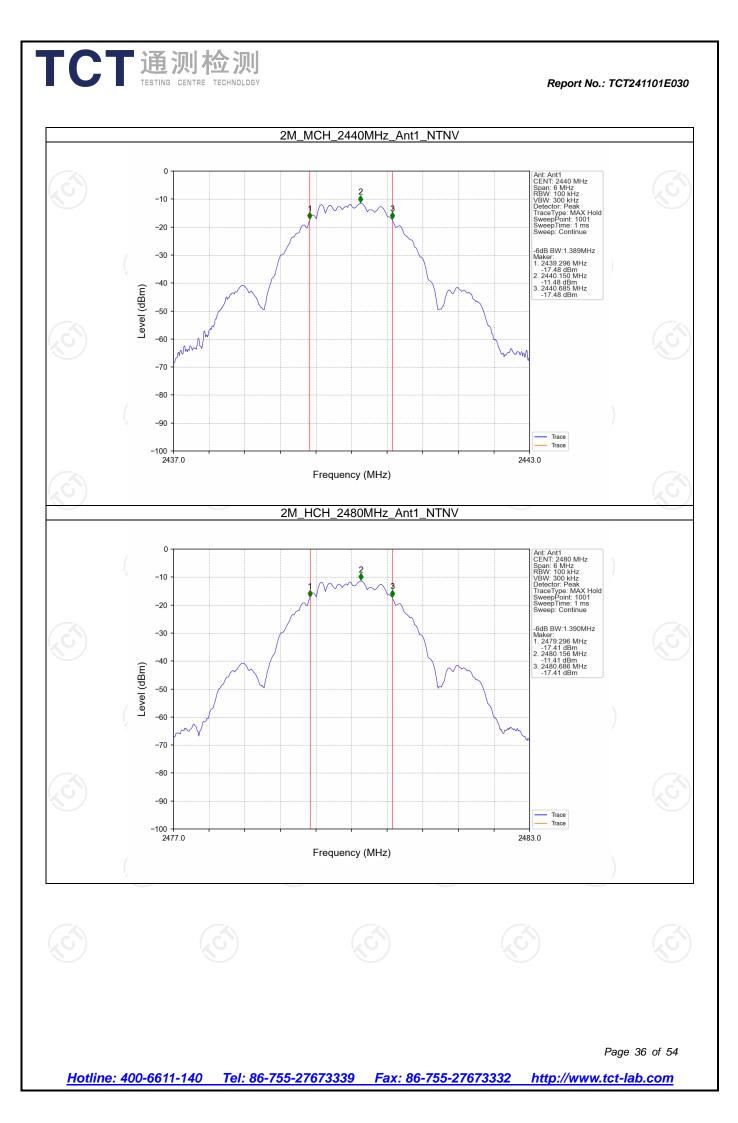




2.2.2 6dB BW







3. Maximum Conducted Output Power

3.1 Test Result

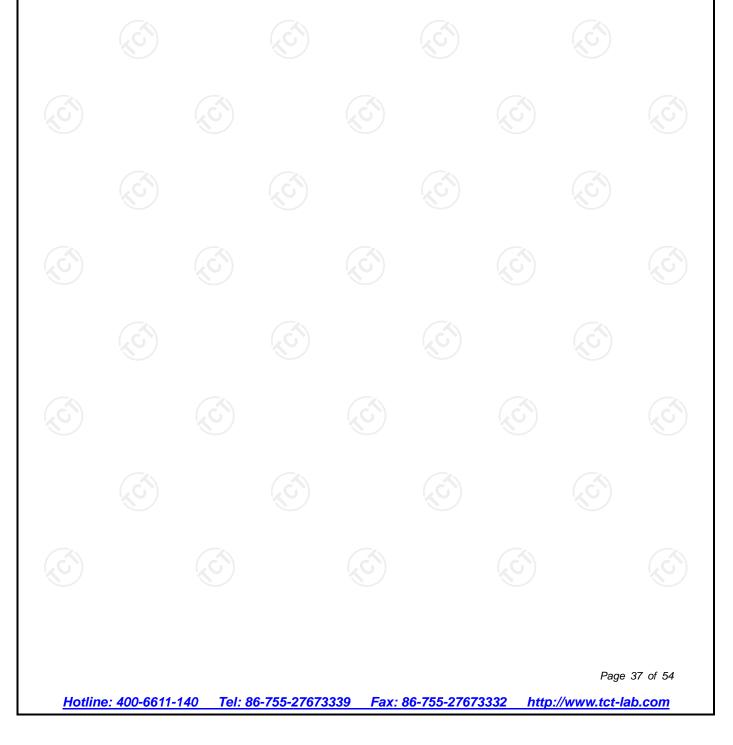
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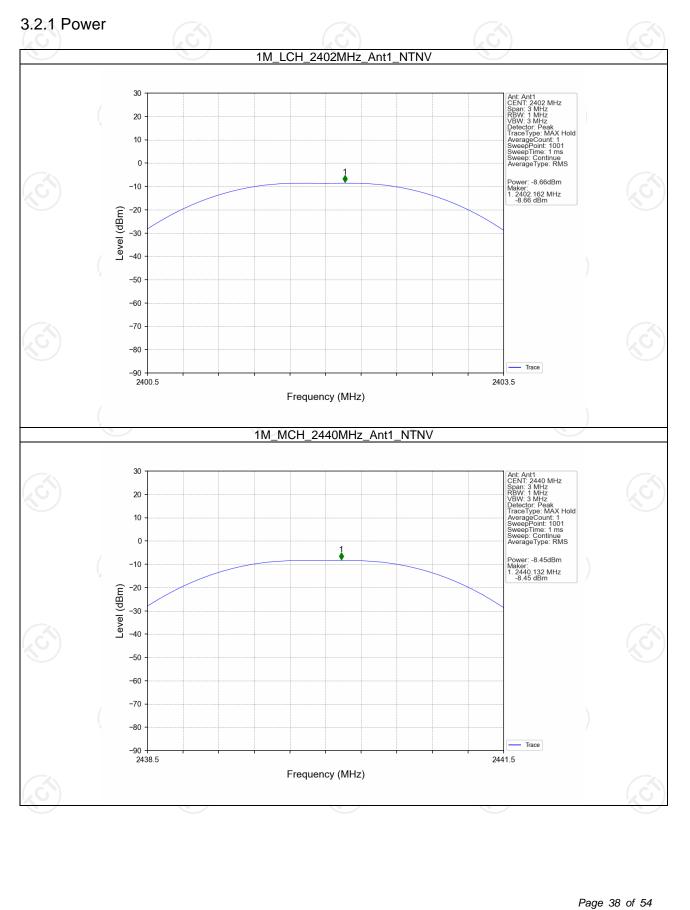
3.1.1 Power

Mode	TX	Frequency	Maximum Peak Conducted	Verdict	
	Туре	(MHz)	ANT1	Limit	verdict
1M	SISO	2402	-8.66	<=30	Pass
		2440	-8.45	<=30	Pass
		2480	-8.40	<=30	Pass
2M	SISO	2402	-8.67	<=30	Pass
		2440	-8.43	<=30	Pass
		2480	-8.38	<=30	Pass

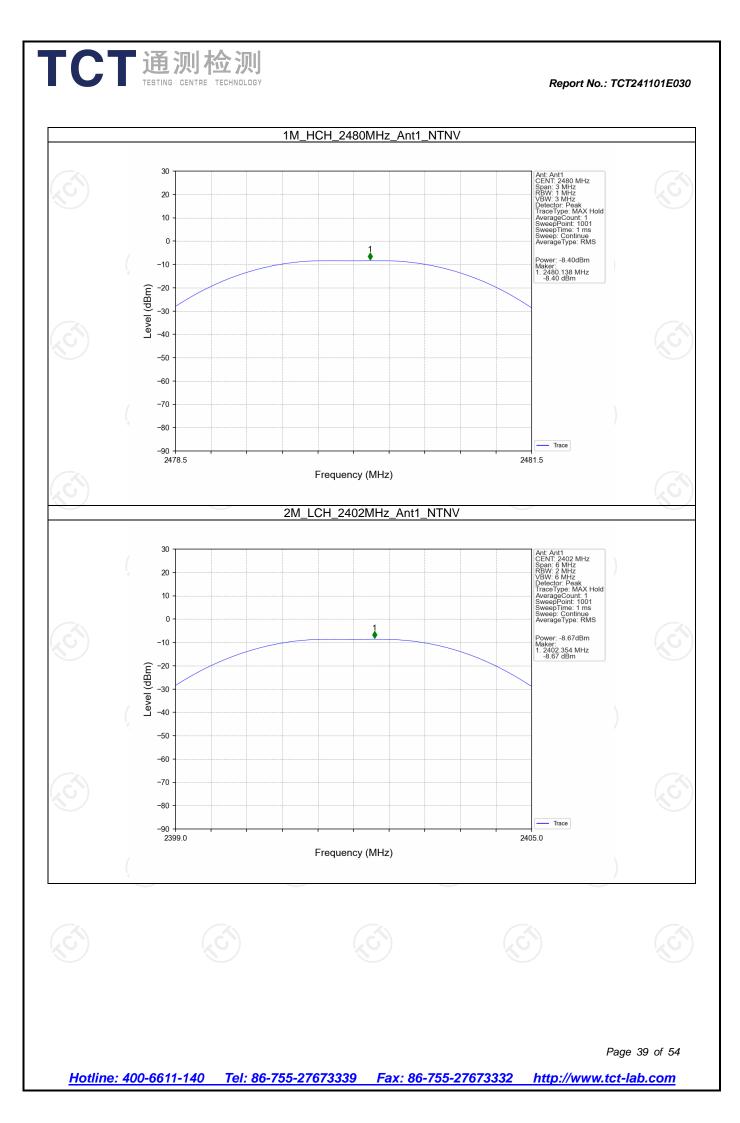


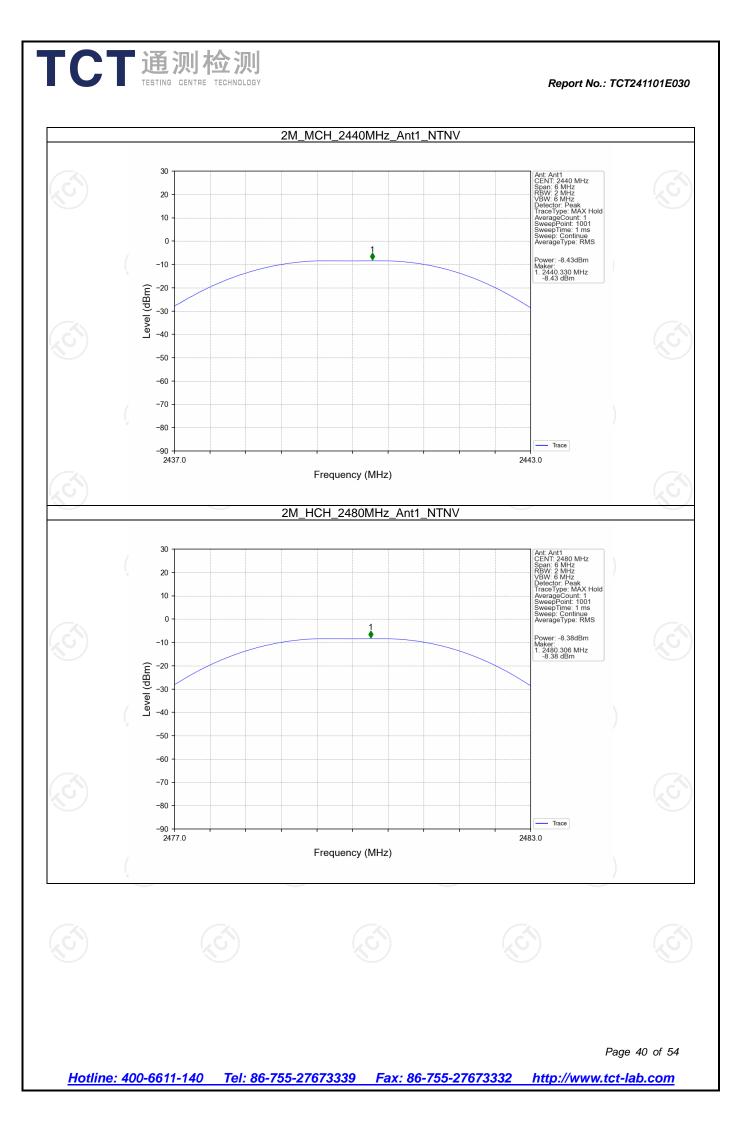
3.2 Test Graph

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4. Maximum Power Spectral Density

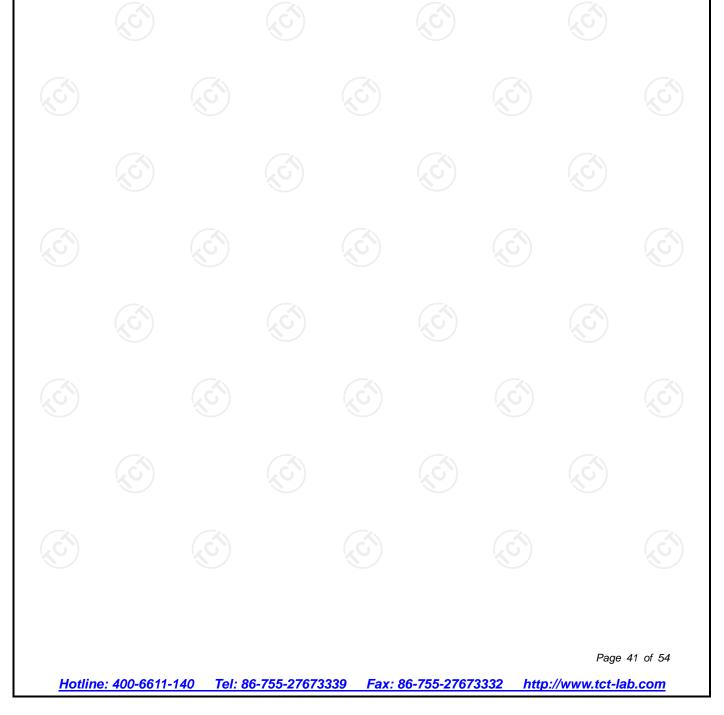
4.1 Test Result

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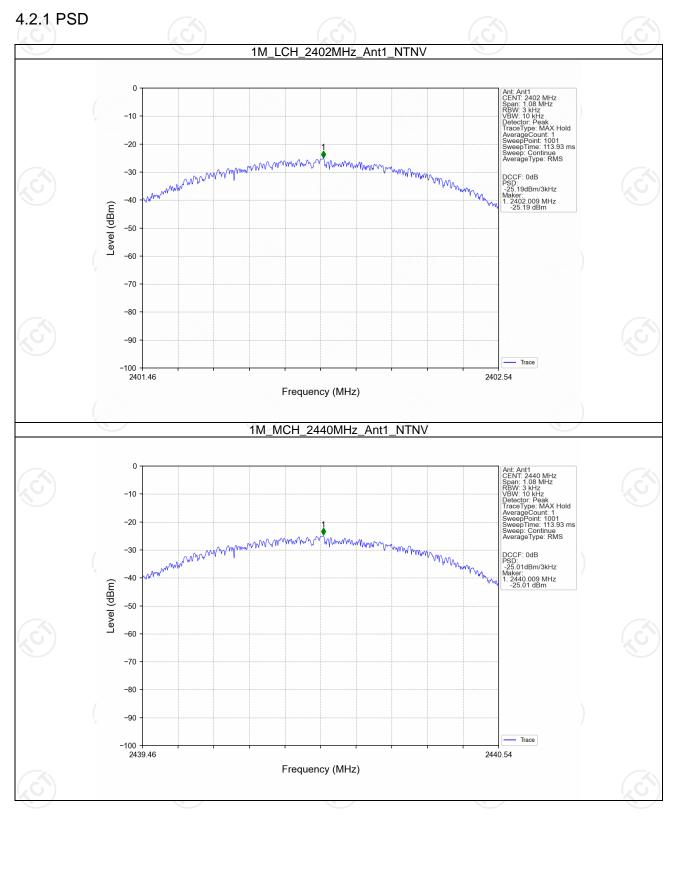
4.1.1 PSD

Mode	TX	Frequency	Maximum PSD (dBm/3kHz)		Vardiat	
wode	Туре	(MHz)	ANT1	Limit	Verdict	
X	SISO	2402	-25.19	<=8	Pass	
1M		2440	-25.01	<=8	Pass	
		2480	-24.97	<=8	Pass	
		2402	-30.88	<=8	Pass	
2M	SISO	2440	-30.59	<=8	Pass	
	k 7	2480	-30.30	<=8	Pass	
Note1: Antenna	a Gain: Ant1: -0.35d	Bi;				



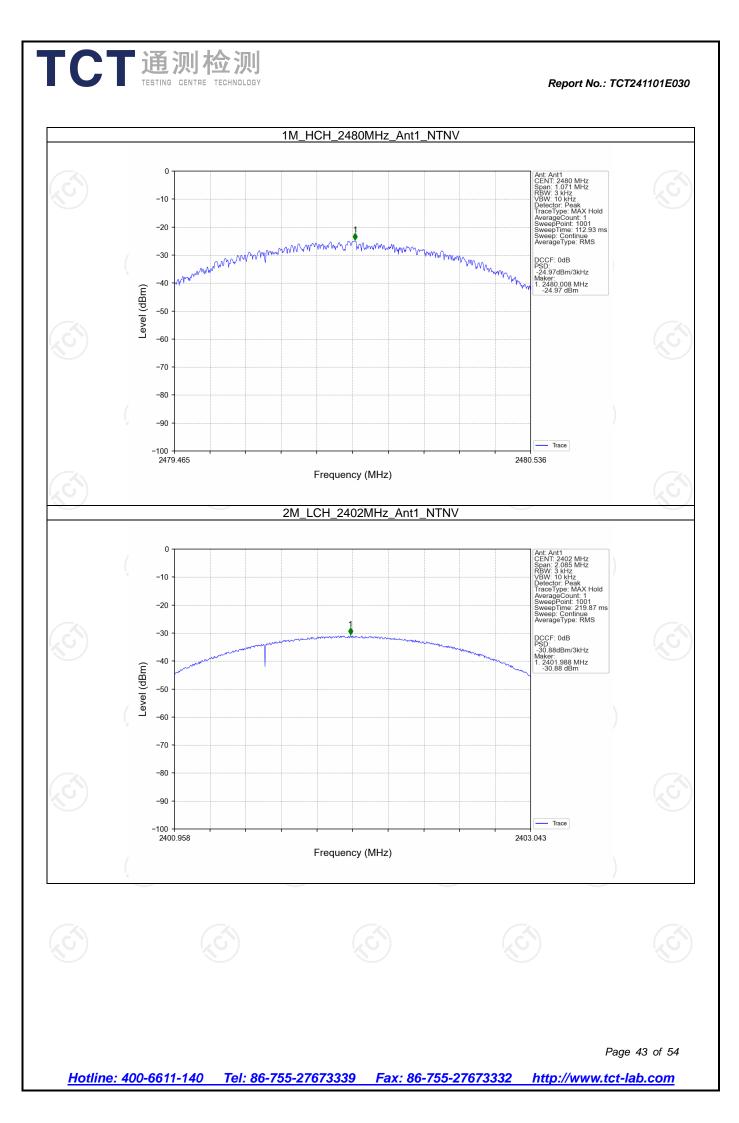
4.2 Test Graph

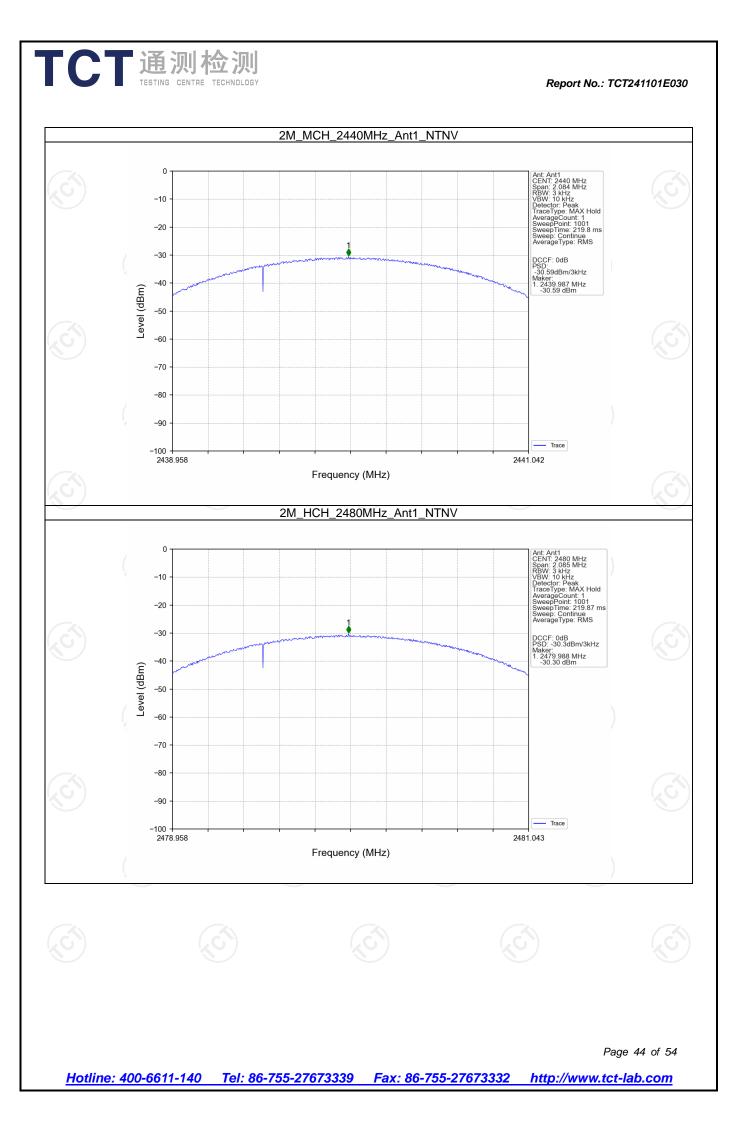
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

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5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
	SISO	2402	1	-9.73
1M		2440	1	-9.53
		2480	1	-9.47
	SISO	2402	1	-12.00
2M		2440	1	-11.80
<u>x</u> ()		2480	1	-11.73
Note1: Refer to FCC F establish the referenc			1 hannel contains th	e maximum PSD level was used t

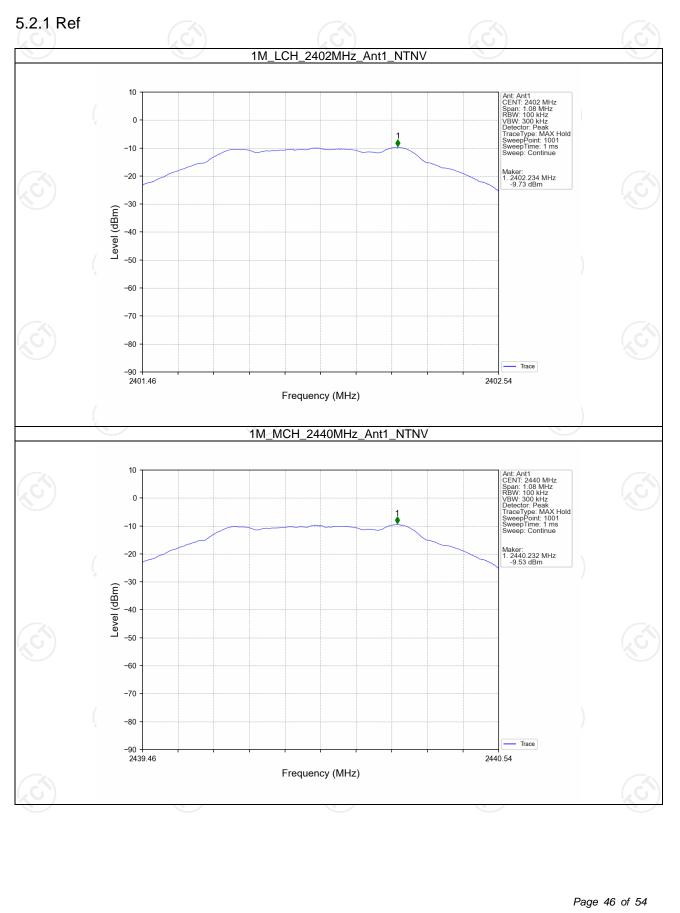
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1 (-9.47	-29.47	Pass
		2440	1	-9.47	-29.47	Pass
		2480	1	-9.47	-29.47	Pass
2M	SISO	2402	1	-11.73	-31.73	Pass
		2440	1	-11.73	-31.73	Pass
		2480	1	-11.73	-31.73	Pass

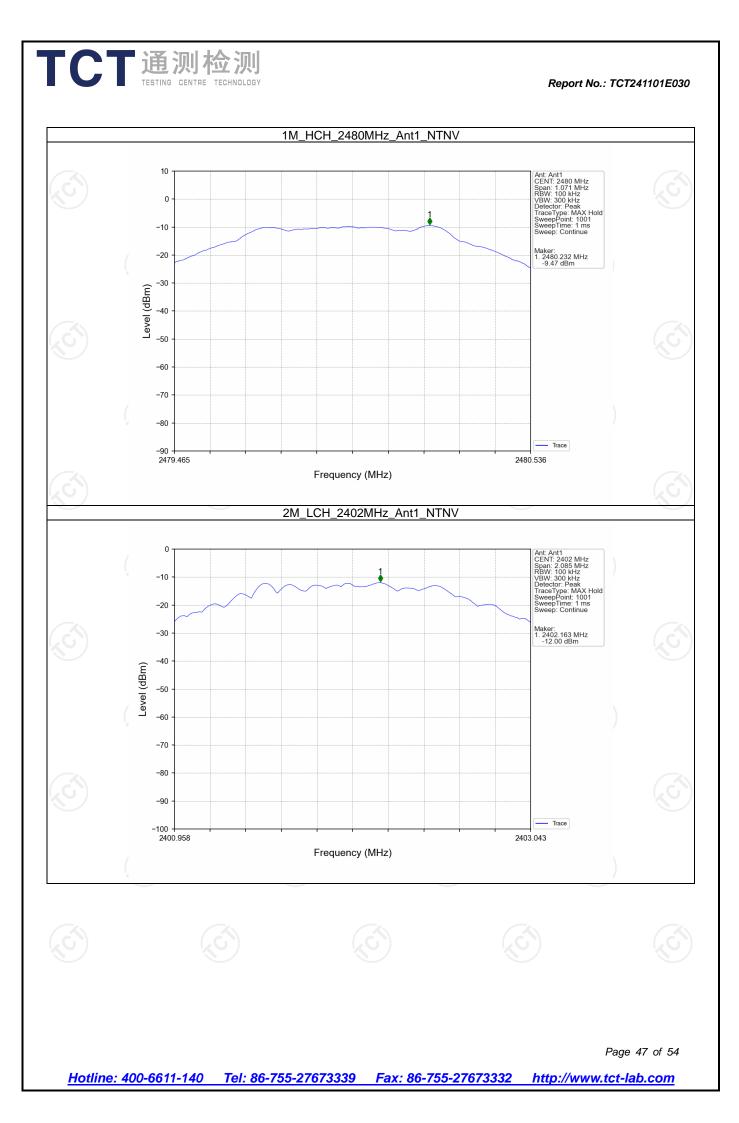


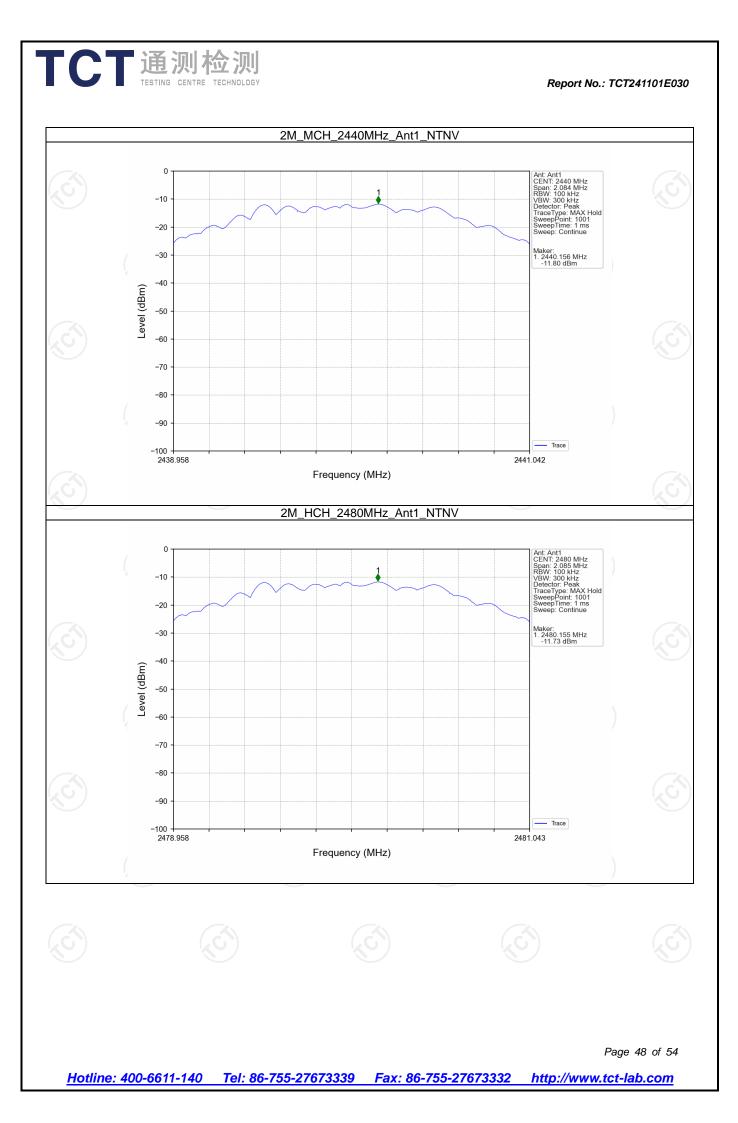


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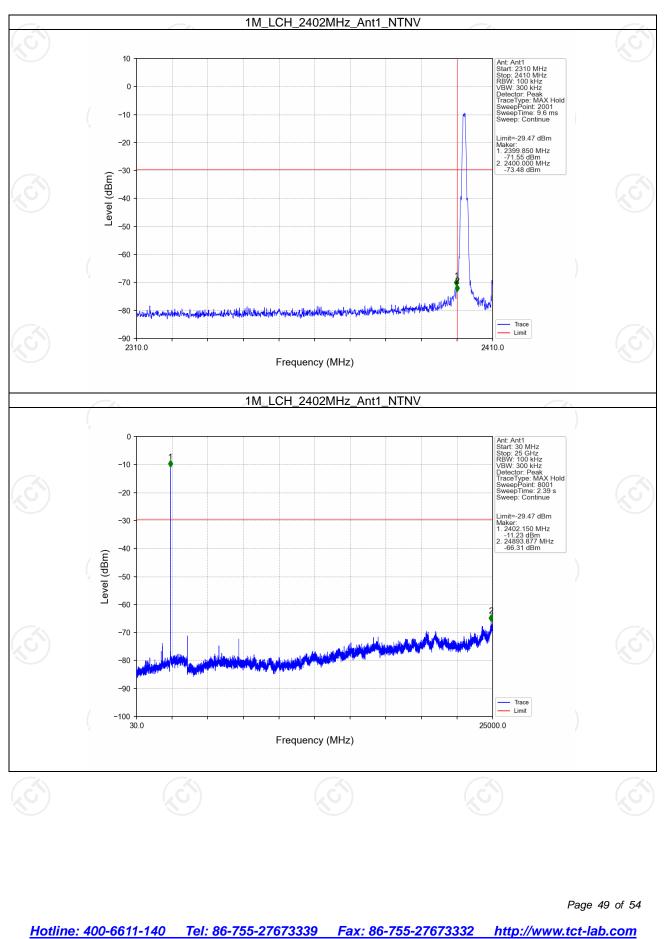


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5.2.2 CSE



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