	TEST REPOR	Т						
FCC ID:	2AQRM-A65S							
Test Report No:	TCT241101E022							
Date of issue:	Dec. 04, 2024							
Testing laboratory: :	SHENZHEN TONGCE TESTING	G LAB						
Testing location/ address:	2101 & 2201, Zhenchang Factor Subdistrict, Bao'an District, Sher People's Republic of China	y Renshan Industrial Zone, Fuhanzhen, Guangdong, 518103,						
Applicant's name::	FOXX Development Inc.	FOXX Development Inc.						
Address:	3480 Preston Ridge Road, Suite	500, Alpharetta, GA 30005, USA						
Manufacturer's name:	FOXX Development Inc.							
Address:	3480 Preston Ridge Road, Suite	500, Alpharetta, GA 30005, USA						
Standard(s):	FCC CFR Title 47 Part 15 Subp FCC KDB 558074 D01 15.247 M ANSI C63.10:2020							
Product Name::	Smart Phone							
Trade Mark:	FOXXD, FOXX, MIRO							
Model/Type reference :	A65S							
Rating(s):	Adapter Information: Model: A65S Input: AC 100-240V, 50/60Hz, 0 Output: DC 5.0V, 1.0A, 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. 01, 2024							
Tested by (+signature) :	Rleo LIU	Preo Un TONGCEDE						
Check by (+signature) :	Beryl ZHAO							
Approved by (+signature):	Tomsin	Tomsin 10 5						

test results in the report only apply to the tested sample.

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TCT 通测检测 TESTING CENTRE TECHNOLOGY

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1. General Product Information

1.1. EUT description

Product Name:	Smart Phone		
Model/Type reference:	A65S		No.
Sample Number:	TCT241101E021-0101		
Bluetooth Version:	V4.2 (This report is for BLE)	$\langle \mathcal{O} \rangle$	
Operation Frequency:	2402MHz~2480MHz		
Channel Separation:	2MHz		$(\mathbf{c}^{(1)})$
Data Rate:	LE 1M PHY		
Number of Channel:	40		
Modulation Type:	GFSK	No.	
Antenna Type:	Inside Antenna		
Antenna Gain:	-0.35dBi		
Rating(s):	Adapter Information: Model: A65S Input: AC 100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 1.0A, 5W Rechargeable Li-ion Battery DC 3.8V		

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.									



Report No.: TCT241101E022



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: Keep the EUT in continuous transmitting by select 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.

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



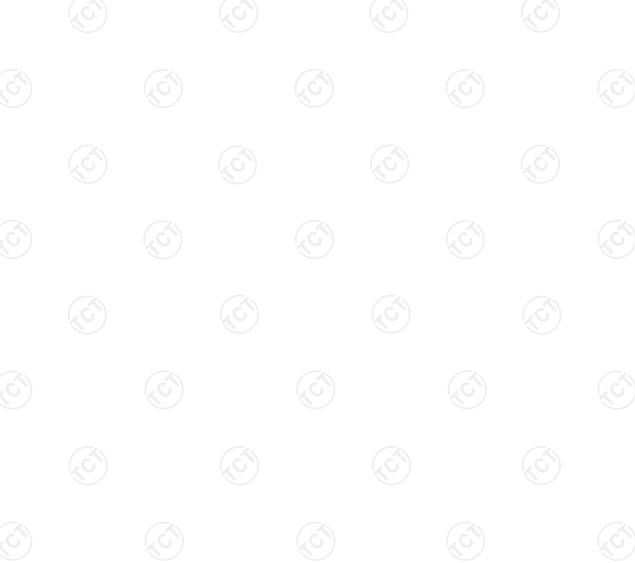
5.2. Conducted Emission

5.2.1. Test Specification

Frequency Range: 150 kHz to 30 MHz Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto Limits: Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane First table/Insulation plane Remark: EUT Equipment Under Test LISN Line Impedence Stabilization Network ENI Test Mode: Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a lini impedance stabilization network (L.I.S.N.). Th provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance for the measuring equipment.	Test Requirement:	FCC Part15 C Section	15.207	
Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto Limits: Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Imit Status Imit Ac power Feature Filter - Ac power Imit Status Imit Ac power Feature Filter - Ac power Imit Status Imit Ac power Feature Filter - Ac power Feature Formatic Formatic Formatic Formatic Formatic Feature Charging + Transmitting Mode 1 The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.) The provides a 500hm/50uH coupling impedance for th measuring equipment. <td>Test Method:</td> <td>ANSI C63.10:2020</td> <td></td> <td></td>	Test Method:	ANSI C63.10:2020		
Limits: Frequency range (MHz) Limit (dBuV) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Image: Colspan="2">Image: Colspan="2" Test Mode:	Frequency Range:	150 kHz to 30 MHz	(C)	$\left(\mathcal{C}^{\prime}\right)$
Limits: Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Colspan="2"C	Receiver setup:	RBW=9 kHz, VBW=30) kHz, Sweep time	e=auto
Limits: 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Image: Colspan="2">Image: Colspan="2" Image: Colspan="2" Im		Frequency range	Limit (dBuV)
0.5-5 56 46 5-30 60 50 Reference Plane 40cm 40cm Fest Setup: 40cm E.U.T Reference Plane 40cm Filter Test Setup: Remerk: Charging + Transmitting Mode Test Mode: Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a lin impedance stabilization network (L.I.S.N.). Th provides a 500hm/50uH coupling impedance for th measuring equipment. Test Procedure: Test Procedure: Descent colspan="2">Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a lin impedance stabilization network (L.I.S.N.). Th provides a 500hm/50uH coupling impedance for th measuring equipment. 2. The peripheral devices are also connected to the mai power through a LISN that provides a 500hm/50u coupling impedance with 500hm termination. (Pleas refer to the block diagram of the test setup an photographs). 3. 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 the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement. <td></td> <td>(MHz)</td> <td>Quasi-peak</td> <td>Average</td>		(MHz)	Quasi-peak	Average
5-30 60 50 Reference Plane 40cm 40cm Fest Setup: Filter AC power EMI	Limits:	0.15-0.5	66 to 56*	56 to 46*
Test Setup: Reference Plane Image: Test Setup: Image: Test table/Insulation plane Remark: E UT Equipment Under Test LDN Line Impedance Stabilization Network EMI Receiver Test Mode: Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). Th provides a 500hm/50uH coupling impedance for th measuring equipment. 2. The peripheral devices are also connected to the mai power through a LISN that provides a 50ohm/50u coupling impedance with 50ohm termination. (Pleas refer to the block diagram of the test setup an photographs). 3. Both sides of A.C. line are checked for maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement.		0.5-5	56	46
Test Setup: Image: Femark E U T Equipment Under Test LISN imposednce Stabilization Network I USN imposednce Stabilization Network Test table height=0.8m Test Mode: Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). Th provides a 500hm/50uH coupling impedance for the measuring equipment. Test Procedure: 2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance for the measuring equipment. 3. 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 C63.10:2020 on conducted measurement.		5-30	60	50
Test Setup: Image: Test table/Insulation plane 80cm Image: Test table/Insulation plane Test Mode: Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a lin impedance stabilization network (L.I.S.N.). Th provides a 50ohm/50uH coupling impedance for th measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance for the measuring equipment. 3. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uh coupling impedance with 50ohm termination. (Pleas refer to the block diagram of the test setup an photographs). 3. 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 C63.10:2020 on conducted measurement.		Referenc	e Plane	
 The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). The provides a 500hm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50u coupling impedance with 500hm termination. (Pleas refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement. 	Test Setup:	E.U.T AC power Test table/Insulation plane Remarkc E.U.T. Equipment Under Test LISN: Line Impedence Stabilization N Test table height=0.8m	EMI Receiver	/ AC power
 impedance stabilization network (L.I.S.N.). The 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/50u coupling impedance with 50ohm termination. (Pleas refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement. 	Test Mode:	Charging + Transmittir	ng Mode	
	Test Procedure:	 impedance stabiliz provides a 50ohm/s measuring equipme 2. The peripheral device power through a Li coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferent 	zation network 50uH coupling im nt. ces are also conne ISN that provides with 50ohm tern diagram of the line are checke nce. In order to fin re positions of equ	(L.I.S.N.). This pedance for the ected to the main a 50ohm/50uh nination. (Please test setup and ed for maximum nd the maximum ipment and all o

5.2.2. Test Instruments

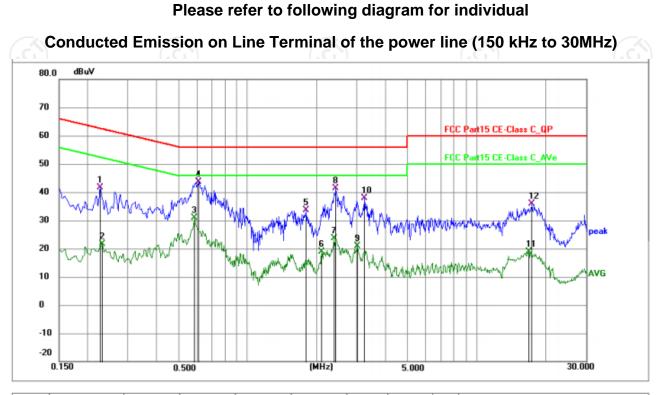
Cond	Conducted Emission Shielding Room Test Site (843)										
Equipment	Manufacturer	Model	Serial Number	Calibration Due							
EMI Test Receiver	R&S	ESCI3	100898	Jun. 26, 2025							
LISN	Schwarzbeck	NSLK 8126	8126453	Jan. 31, 2025							
Attenuator	N/A	10dB	164080	Jun. 26, 2025							
Line-5	тст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



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

5.2.3. Test data



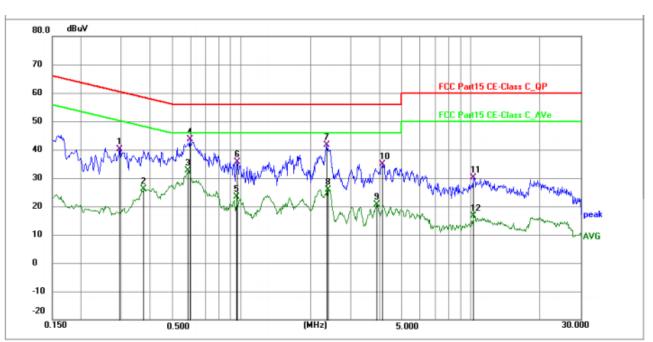
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2265	31.10	10.56	41.66	62.58	-20.92	QP	Р	
2	0.2310	11.04	10.56	21.60	52.41	-30.81	AVG	Р	
3	0.5865	20.29	10.62	30.91	46.00	-15.09	AVG	Р	
4 *	0.6134	32.98	10.64	43.62	56.00	-12.38	QP	Р	
5	1.8015	22.90	10.67	33.57	56.00	-22.43	QP	Р	
6	2.1030	8.16	10.68	18.84	46.00	-27.16	AVG	Р	
7	2.3955	12.89	10.67	23.56	46.00	-22.44	AVG	Р	
8	2.4270	30.63	10.67	41.30	56.00	-14.70	QP	Р	
9	3.0210	10.31	10.68	20.99	46.00	-25.01	AVG	Р	
10	3.2370	27.12	10.66	37.78	56.00	-18.22	QP	Р	
11	16.9080	7.96	10.99	18.95	50.00	-31.05	AVG	Р	
12	17.4570	24.86	11.00	35.86	60.00	-24.14	QP	Р	
					1.4 5.4				

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



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

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2940	29.47	10.56	40.03	60.41	-20.38	QP	Р	
2	0.3750	15.47	10.57	26.04	48.39	-22.35	AVG	Р	
3	0.5865	21.97	10.62	32.59	46.00	-13.41	AVG	Р	
4 *	0.5955	32.97	10.63	43.60	56.00	-12.40	QP	Р	
5	0.9555	12.69	10.67	23.36	46.00	-22.64	AVG	Р	
6	0.9600	25.07	10.67	35.74	56.00	-20.26	QP	Р	
7	2.3504	30.91	10.67	41.58	56.00	-14.42	QP	Р	
8	2.3955	15.30	10.67	25.97	46.00	-20.03	AVG	Р	
9	3.8894	10.03	10.67	20.70	46.00	-25.30	AVG	Р	
10	4.1143	24.12	10.68	34.80	56.00	-21.20	QP	Р	
11	10.3334	19.20	10.85	30.05	60.00	-29.95	QP	Р	
12	10.3334	5.83	10.85	16.68	50.00	-33.32	AVG	Р	

Note1:

Freq. = Emission frequency in MHz

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

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

Measurement (dBµV) = Reading level (dBµV) + 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: Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Lowest 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			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	Name Manufacturer		Manufacturer Model No. Serial Number			
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025		
Test Software	TST Pass	/	3			

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:	
	Spectrum Analyzer EUT
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)	
Test Method:	KDB 558074 D01 v05r0)2	e
Limit:	frequency band, the non-restricted bands sh 30dB relative to the ma RF conducted measur which fall in the restrict	hall be attenuated at lea aximum PSD level in 10 rement and radiated of ted bands, as defined i omply with the radiated	II in the st 20 dB / 00 kHz by emissions in Section
Test Setup:	Spectrum Analyzer	— О́ ЕUT	
Test Mode:	Refer to item 3.1	(\mathcal{C})	(c
Test Procedure:	 analyzer by RF cabl 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 maximum peak condused. If the transmit power limits based of a time interval, the a paragraph shall be 3 15.247(d). 4. Measure and record 5. The RF fundamental 	uously. VBW=300 kHz, Peak D is measured in any 100 of the authorized frequer by at least 20 dB relative eak PSD level in 100 kH ducted output power pro- ter complies with the co on the use of RMS avera- attenuation required und 30 dB instead of 20 dB p the results in the test re	rement. le the Detector. kHz ncy band e to the Hz when bcedure is inducted aging over ler this ber port. ccluded
			ncv band.



5.6.2. Test Instruments

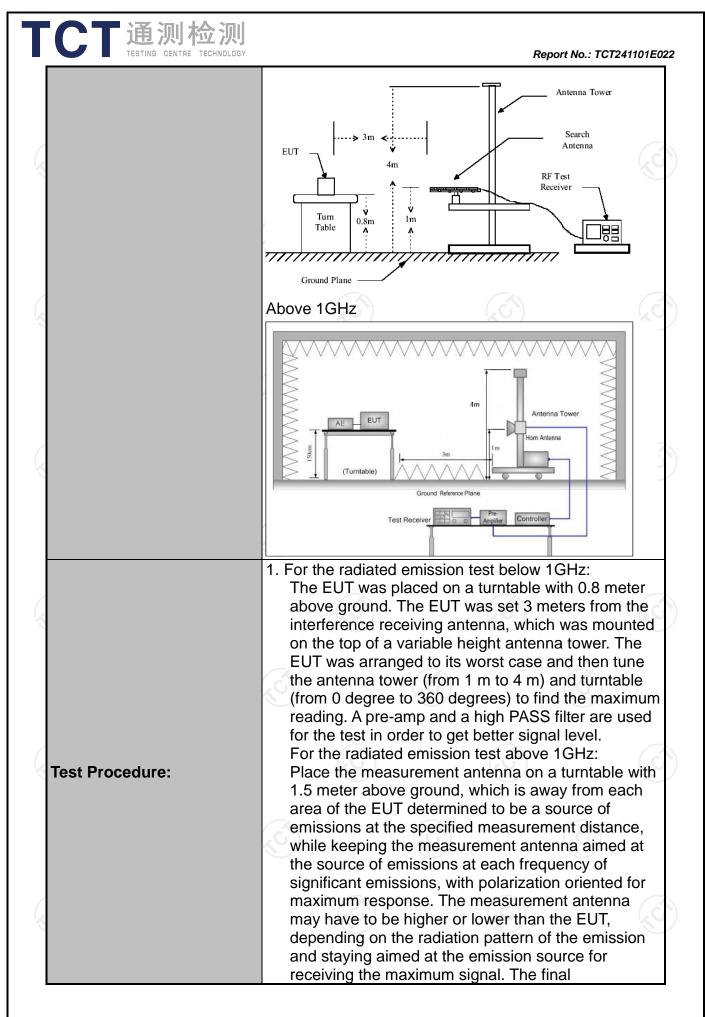
	Name	Manufa	cturer	Model No.	Seria	al Number	Calibratio	on Due
Spectrum Analyzer		Agile	ent	N9020A	MY5	0101018	Jun. 26,	2025
	Software	TST F	Pass	1		1	/	

5.7. Radiated Spurious Emission Measurement

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		\mathbf{O}				
Antenna Polarization:	Horizontal &	Vertical					
Operation mode:	Refer to item	13.1	(
	Frequency	Detecto	r RBW	VBW	Remark		
	9kHz- 150kHz	Quasi-pe		1kHz	Quasi-peak Value		
Receiver Setup:	150kHz- 30MHz	Quasi-pe	ak 9kHz	30kHz	Quasi-peak Value		
	30MHz-1GHz	Quasi-pea	ak 120KHz	300KHz	Quasi-peak Value		
	Above 1GHz	Peak	1MHz	3MHz	Peak Value		
		Peak	1MHz	10Hz	Average Valu		
	Frequen	ісу	Field Str (microvolts	-	Measuremer Distance (mete		
	0.009-0.4	490	2400/F(,	300		
	0.490-1.7	705	24000/F		30		
	1.705-30		30		30		
	30-88		100		3		
1 :	88-216		150		3		
Limit:	216-960 Above 960		200 500		3		
	Frequency Above 1GHz	(mic	Field Strength icrovolts/meter)Measurement Distance (meters)500350003				
	For radiated	emission stance = 3m	ns below 30	OMHz	Computer		
Test setup:	EUT 0.Sm Turn table Receiver						
		Grou	ind Plane	L			



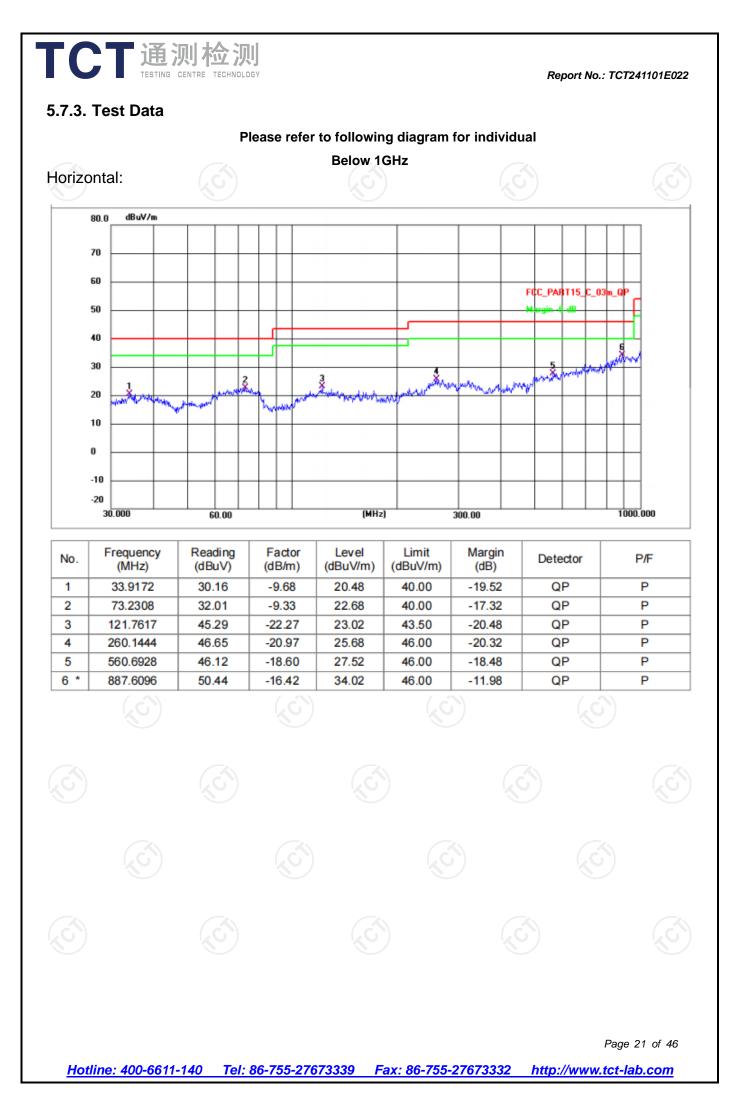
	IJ GY Report No.: TCT241101E
	 measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. Corrected Reading: Antenna Factor + 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

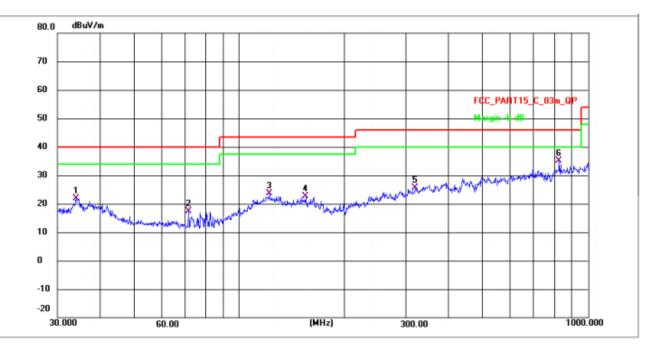
	Radiated Emission Test Site (966)							
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due				
EMI Test Receiver	R&S	ESCI7	100529	Jan. 31, 2025				
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025				
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Jan. 31, 2025				
Pre-amplifier	SKET	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	R	Jun. 26, 2025				
Coaxial cable	SKET	RE-04-L	/	Jun. 26, 2025				
Antenna Mast	Keleto	RE-AM	1					
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2					

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Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	33.9767	31.63	-9.68	21.95	40.00	-18.05	QP	Р
2	71.3300	26.75	-9.35	17.40	40.00	-22.60	QP	Р
3	121.7617	45.79	-22.27	23.52	43.50	-19.98	QP	Р
4	154.8204	44.62	-21.97	22.65	43.50	-20.85	QP	Р
5	318.8170	46.14	-20.47	25.67	46.00	-20.33	QP	Р
6 *	826.0438	52.64	-17.44	35.20	46.00	-10.80	QP	Р
(.C)		(.G.)		[J.J	•)	6		(.G`)

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. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Lowest channel) was submitted only.

 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 (dB μ V/m) – Limits (dB μ V/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 I 9		Correct Factor	I Measurement		Over	Detector	
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m) (dBµV/m)		Peak/AVG	
2310	59.72	-16.45	43.27	74	-30.73	Peak	
2310	50.43	-16.45	33.98	54	-20.02	AVG	
2390	59.73	-15.86	43.87	74	-30.13	Peak	
2390	51.37	-15.86	35.51	54	-18.49	AVG	

Vertical:

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Peak/AVG
2310	60.02	-16.45	43.57	74 🕵	-30.43	Peak
2310	51.09	-16.45	34.64	54	-19.36	AVG
2390	60.68	-15.86	44.82	74	-29.18	Peak
2390	50.20	-15.86	34.34	54	-19.66	AVG







Highest channel 2480:

Horizontal:

Frequency	Reading Level	Correct Factor	Measurement Limits		Over	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Peak/AVG
2483.5	59.90	-16.60	43.30	74	-30.70	Peak
2483.5	50.91	-16.60	34.31	54	-19.69	AVG
2500	60.70	-16.45	44.25	74	-29.75	Peak
2500	52.63	-16.45	36.18	54	-17.82	AVG
					2	

Vertical:

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Peak/AVG
2483.5	59.43	-16.60	42.83	74	-31.17	Peak
2483.5	52.22	-16.60	35.62	54	-18.38	AVG
2500	59.98	-16.45	43.53	74 🔪	-30.47	Peak
2500	52.72	-16.45	36.27	54	-17.73	AVG



Low char	nnel: 2402	MHz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak		Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4804	Н	55.77		-9.51	46.26		74	54	-7.74
7206	Н	46.59		-1.41	45.18		74	54	-8.82
	Н								
4804	M	55.27		-9.51	45.76		74	54	-8.24
7206	V	47.42	-46	-9.51	46.01	<u> </u>	74	54	-7.99
	V					<u> </u>			

Above 1GHz

Middle channel: 2440 MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak		Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4880	Н	55.48		-9.36	46.12		74	54	-7.88
7320	Н	46.28		-1.15	45.13		74	54	-8.87
	H			<u> </u>	/				
			K,					KO)	
4880	V	55.90		-9.36	46.54	<u> </u>	74	54	-7.46
7320	V	46.80		-1.15	45.65		74	54	-8.35
	V								

High chanr	nel: 2480 N	ЛНz		J.				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4960	Н	57.06	-+ 2	-9.20	47.86	74	54	-6.14
7440	Ч I	47.75		-0.96	46.79	74	54	-7.21
	Н					 		
4960	V	56.96		-9.20	47.76	 74	54	-6.24
7440	V	46.14		-0.96	45.18	 74	54	-8.82
·	V			/	J			

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: Test Result of Conducted Test

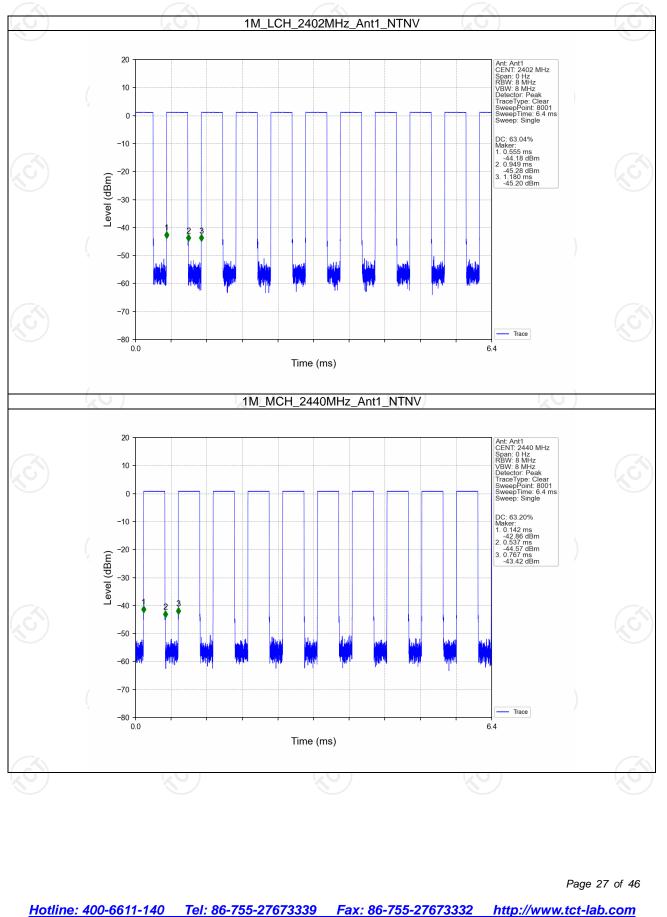
TCT通测检测 TESTING CENTRE TECHNOLOGY

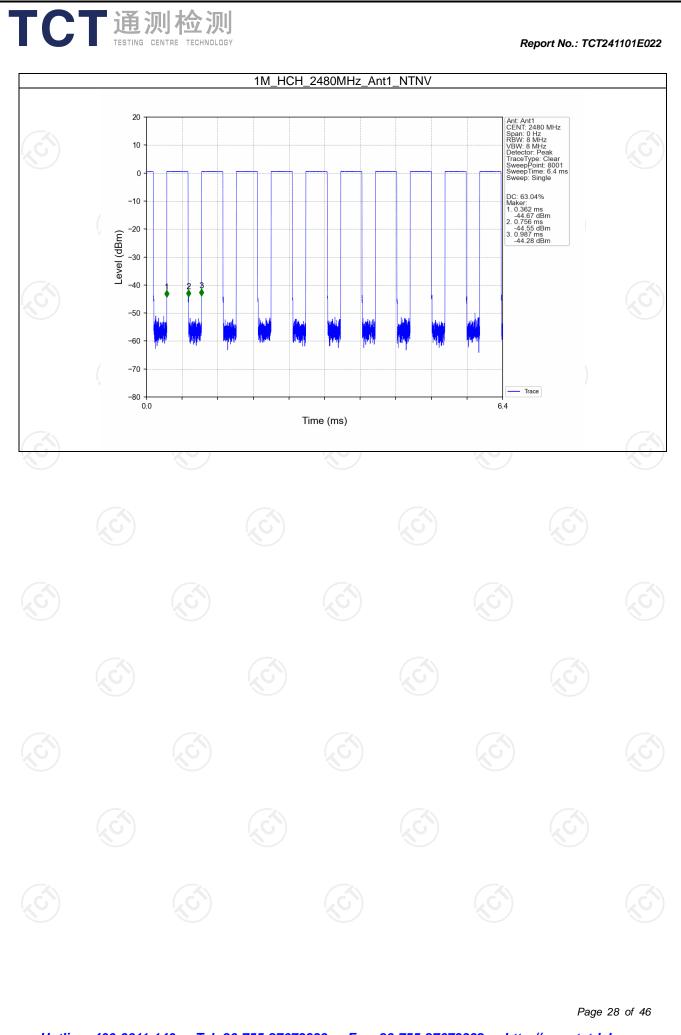


Mode	ТХ Туре	Frequency (MHz)	T_on (ms)	Period (ms)	Ant1 Duty Cycle (%)	Duty Cycl Correction Fact	le tor (dB)	Max. DC Variation (%)
1M	SISO	2402 2440 2480	0.394 0.395 0.394	0.625 0.625 0.625	63.04 63.20 63.04	2.00 1.99 2.00		0.05 0.13 0.05
	Ś	2700		0.020		3	Ś)
							E	Page 26 of 4
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1.2.1 Ant1





2. Bandwidth

2.1 Test Result

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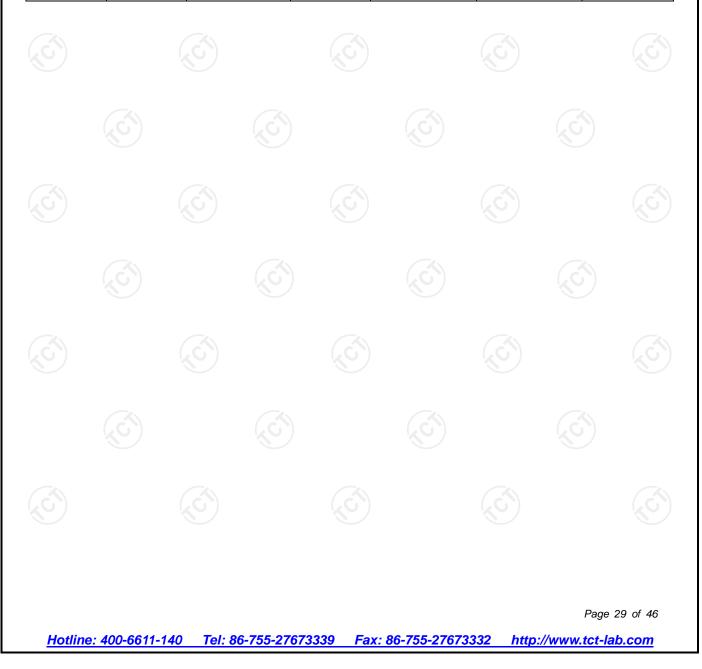


2.1.1 OBW

Mode TX	Frequency		99% Occupied B	Verdict		
wode	Туре	(MHz)	ANT	Result	Limit 🚺	verdict
		2402	1	1.040		Pass
1M	SISO	2440	1	1.044	/	Pass
		2480	1	1.041	/	Pass

2.1.2 6dB BW

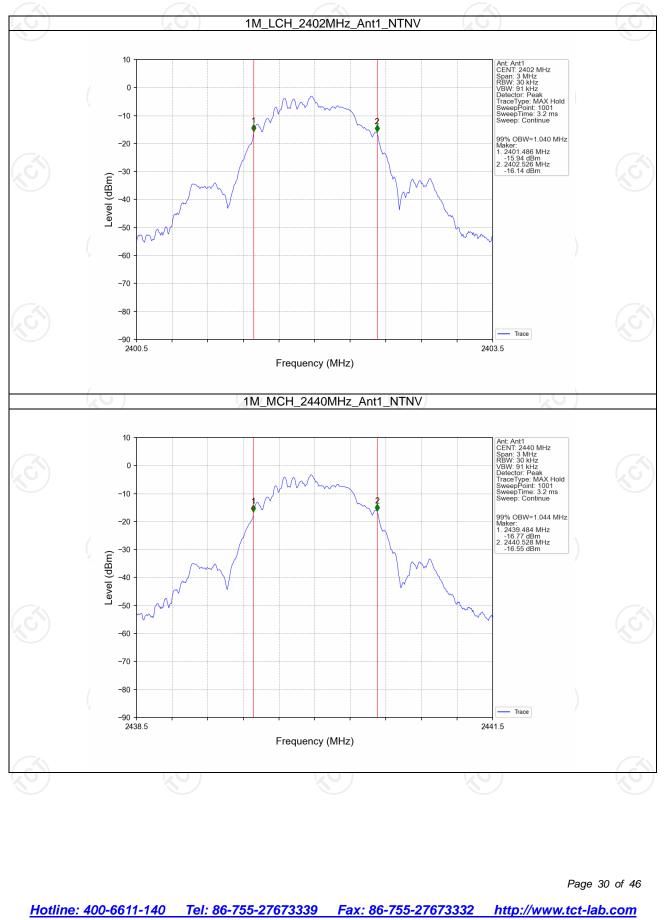
Mode	TX Frequency		ANT	6dB Bandv	Verdict		
wode	Туре	(MHz)	ANT	Result	Limit	verdict	
		2402	1	0.708	>=0.5	Pass	
1M	SISO	2440	1	0.708	>=0.5	Pass	
		2480	1	0.706	>=0.5	Pass	



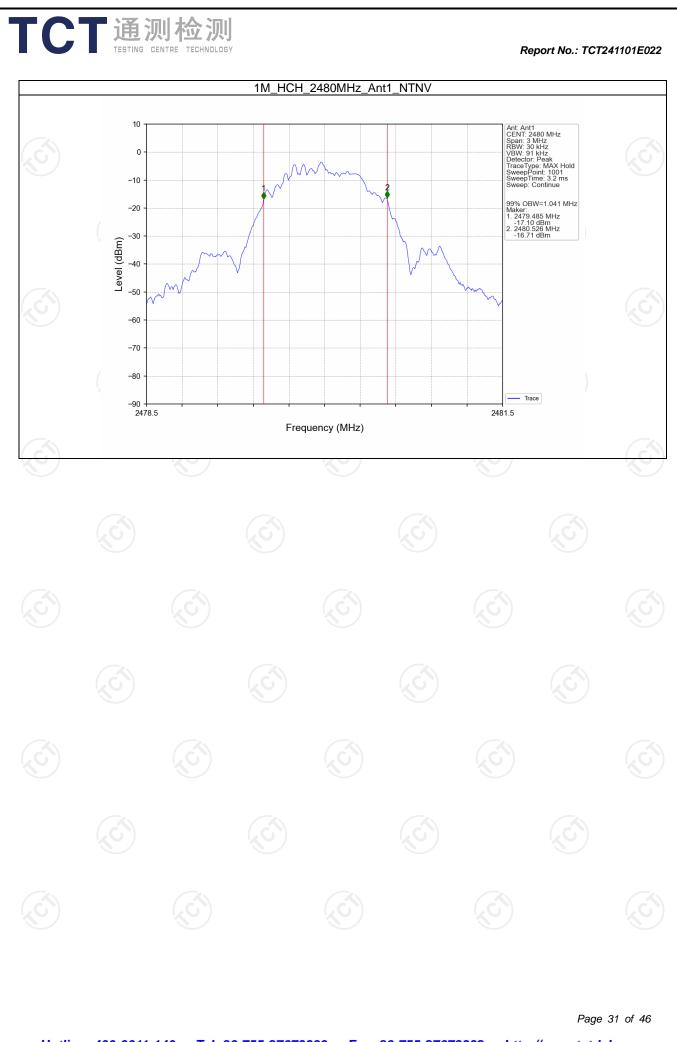


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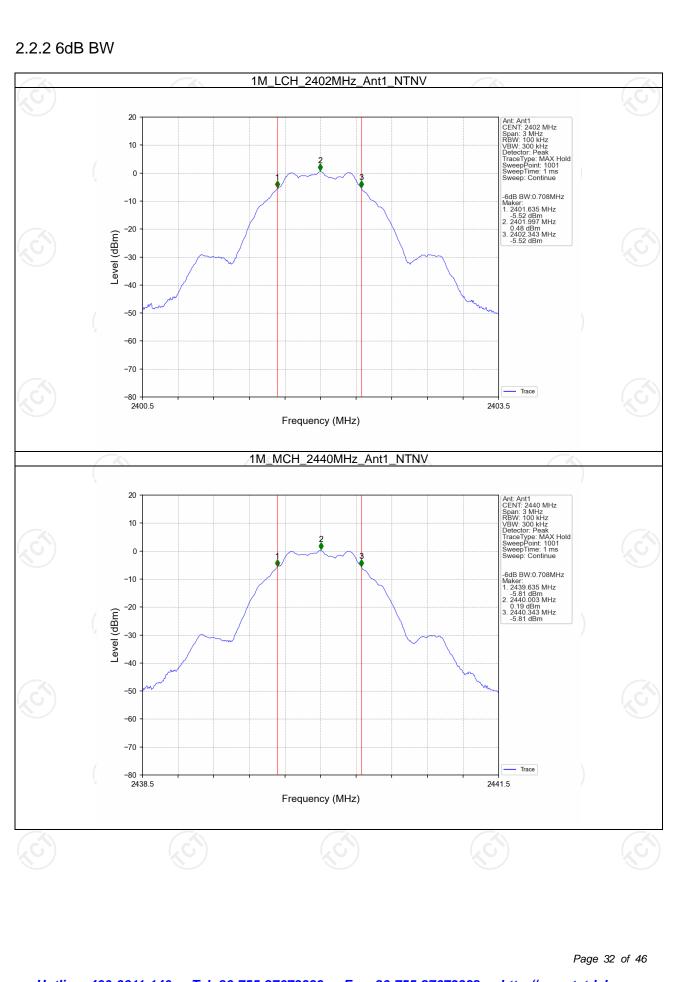
2.2.1 OBW



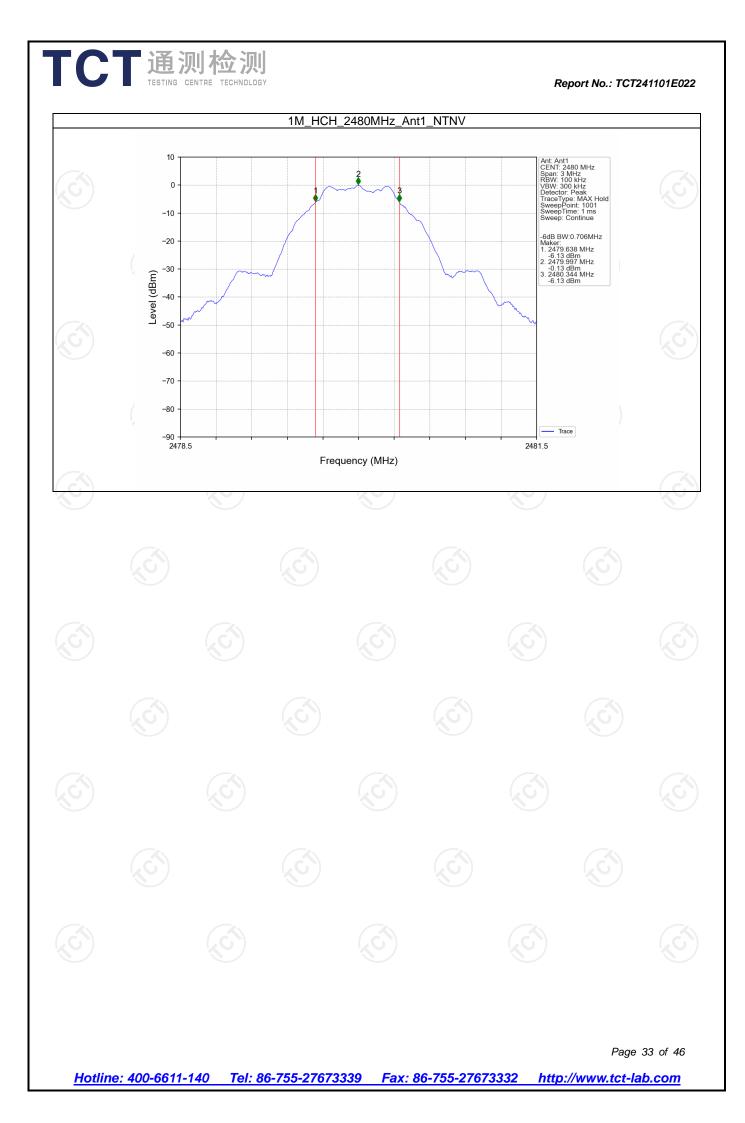
Report No.: TCT241101E022



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3. Maximum Conducted Output Power

3.1 Test Result

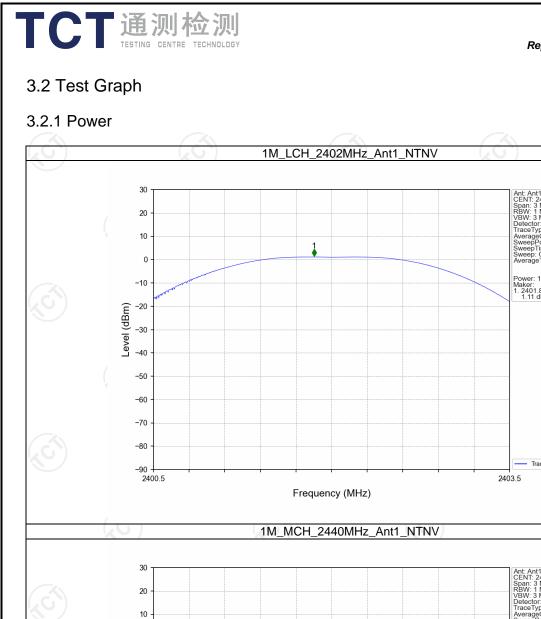
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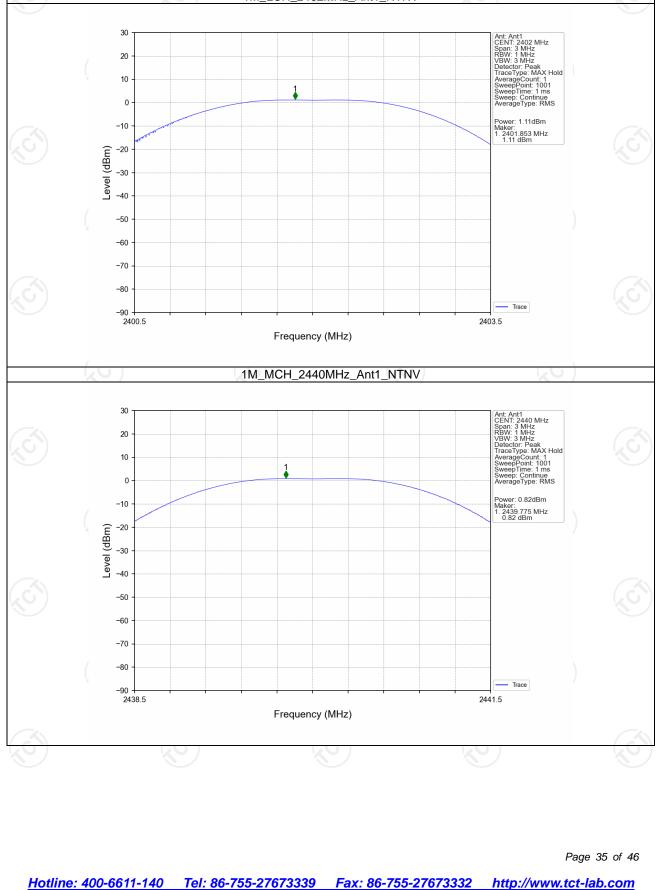


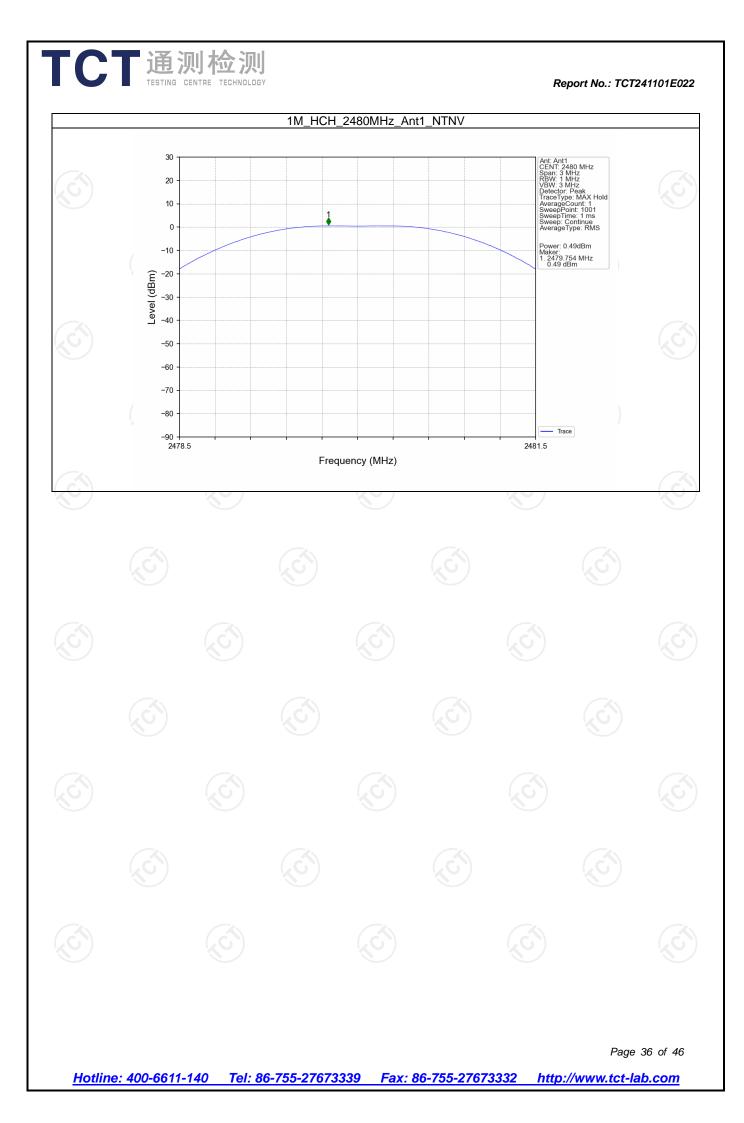


3.1.1 Power

(MHz) 2402 2440 2480 -0.35dBi;	ANT1 1.11 0.82 0.49	Limit <=30 <=30 <=30	Pass Pass Pass
-0.35dBi;		Ś	 Ś







4. Maximum Power Spectral Density

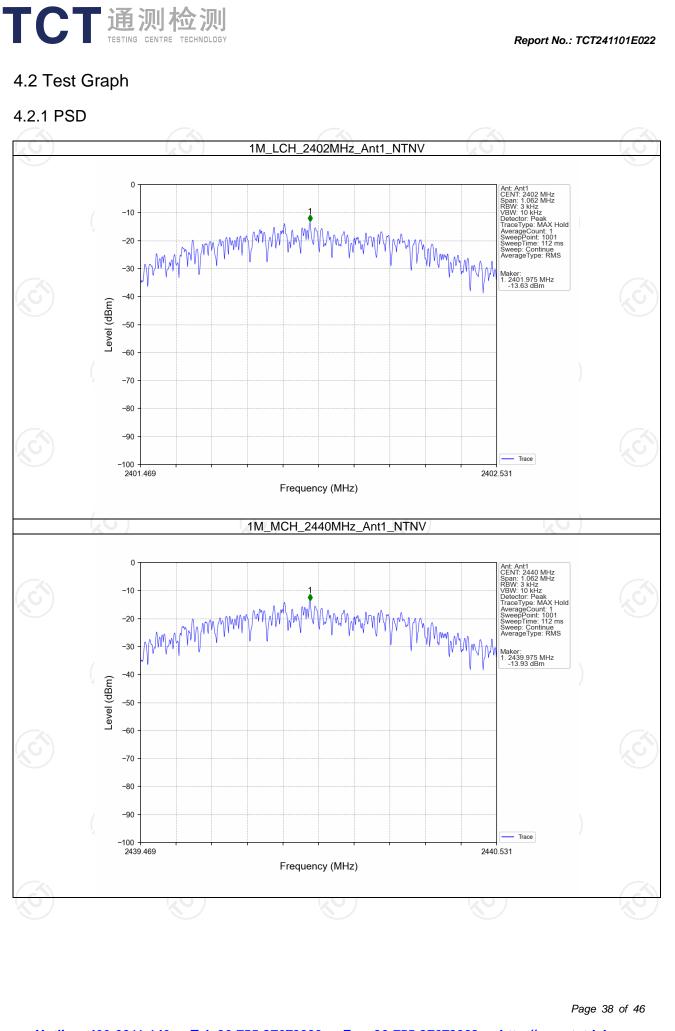
4.1 Test Result

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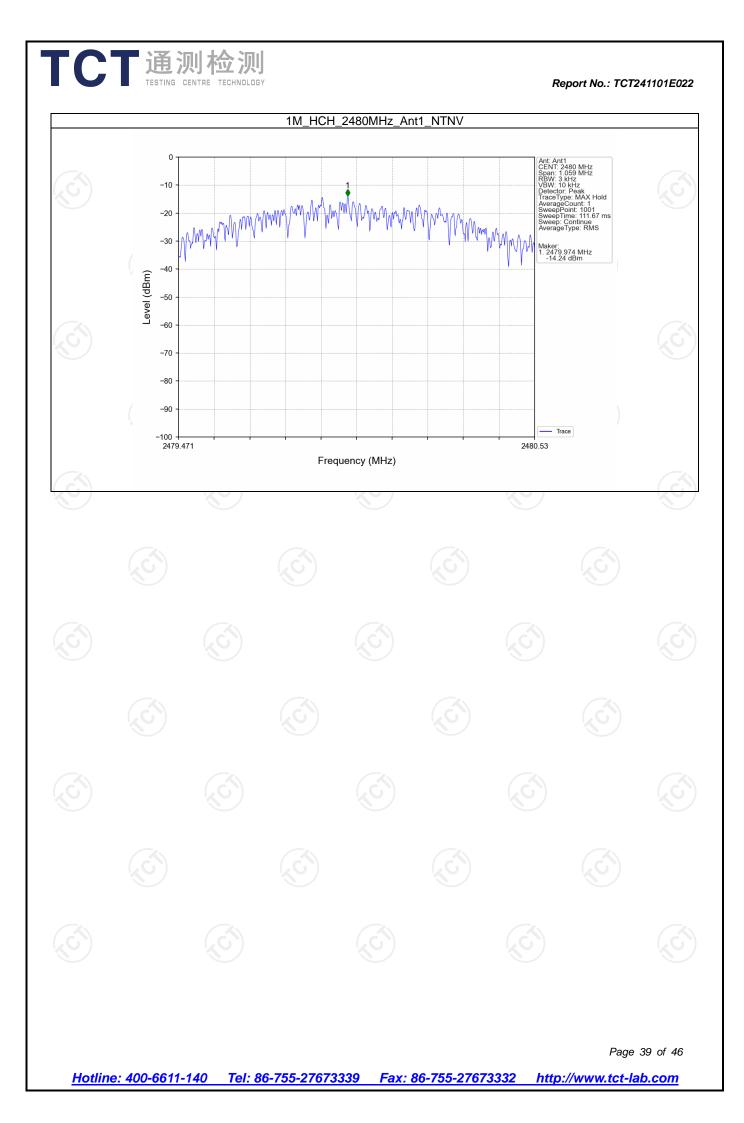


4.1.1 PSD

Mode 1M	TX Type SISO	Frequency (MHz) 2402 2440 2480	AN -13 -13	aximum PSD (JT1 3.63 3.93 4.24	dBm/3kHz) Limit <=8 <=8 <=8	/erdict Pass Pass Pass
Note I: Antenna	Gain: Ant1: -0.35dE	51,	Ś		Ś	



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

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Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
		2402	1	0.49
1M	SISO	2440	1	0.19
		2480	1	-0.13
Note1: Refer to FCC establish the referen		d ANSI C63.10-2020, the	channel contains the	e maximum PSD level was used to

5.1.2 CSE

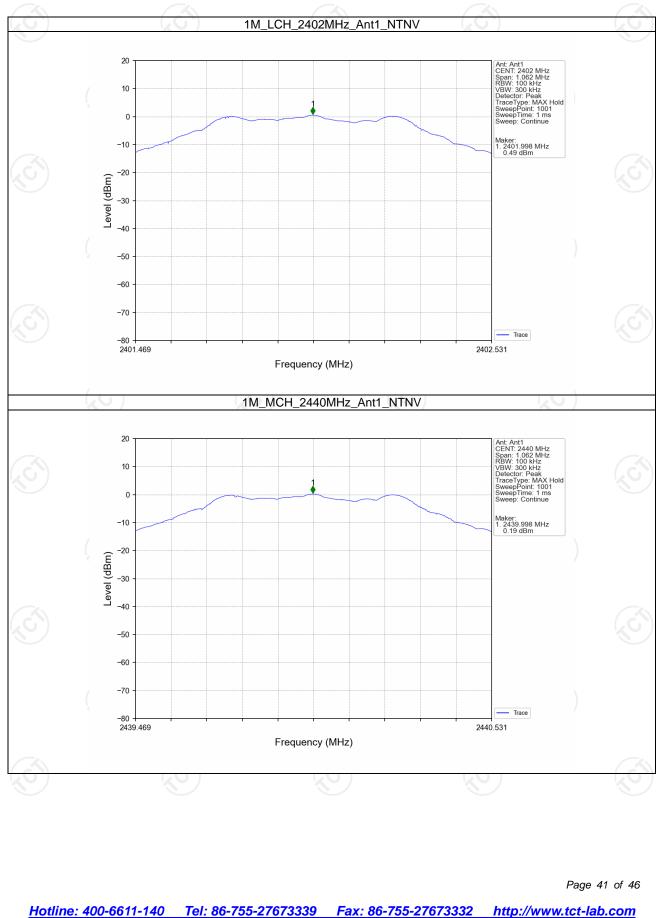
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict		
		2402	/ 1	0.49	-19.51	Pass		
1M	SISO	2440	1	0.49	-19.51	Pass		
		2480	1	0.49	-19.51	Pass		
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.								



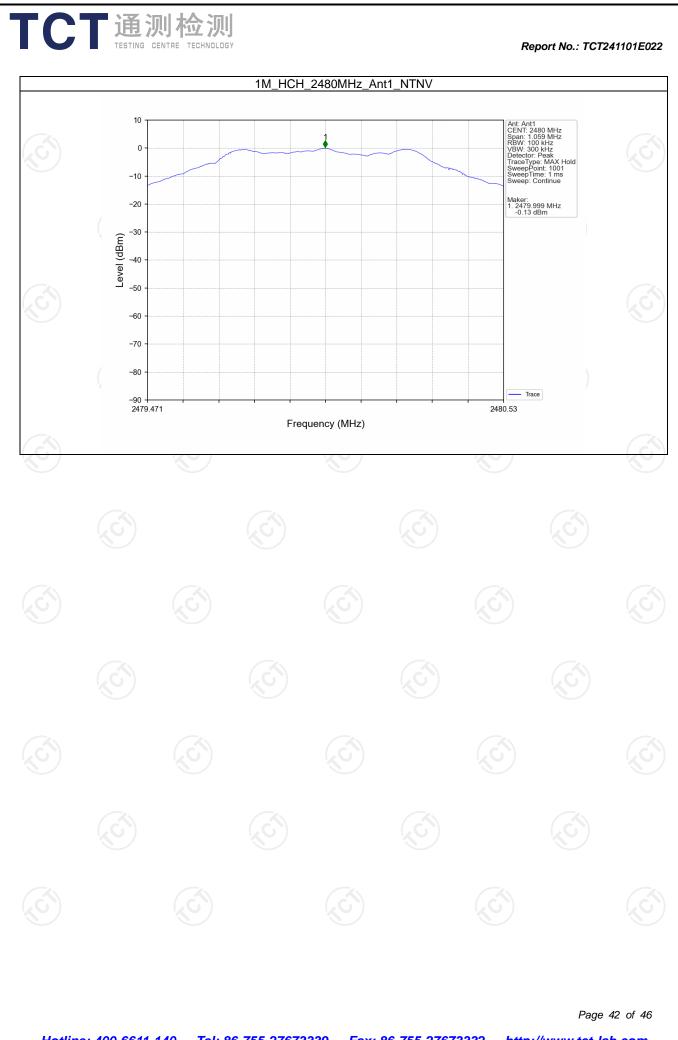


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5.2.1 Ref



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5.2.2 CSE

