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	TEST REPOR	Т			
FCC ID	2BN8F-CAMQ20				
Test Report No:	TCT250416E015				
Date of issue:	Apr. 24, 2025				
Testing laboratory: :	SHENZHEN TONGCE TESTING	G LAB			
Testing location/ address:	2101 & 2201, Zhenchang Factor Fuhai Subdistrict, Bao'an District 518103, People's Republic of Ch	t, Shenzhen, G			
Applicant's name :	NUMLAKE TECH LIMITED	$\langle \mathcal{C} \rangle$			
Address:	UNIT 1505, 15/F WORKINGPOF HAU FOOK STREET TSIM SHA				
Manufacturer's name :	NUMLAKE TECH LIMITED		(\mathcal{C}^{*})		
Address:	UNIT 1505, 15/F WORKINGPORT COMMERCIAL BUILDING 3 HAU FOOK STREET TSIM SHA TSUI HONG KONG, China				
Standard(s) :	FCC CFR Title 47 Part 15 Subpa FCC KDB 558074 D01 15.247 M ANSI C63.10:2020				
Product Name::	Wi-Fi Battery Camera with Solar	Panel			
Trade Mark :	N/A ()		(\mathbf{c})		
Model/Type reference :	Q20, Q10, Q30, Q10 plus, Q20 p	olus, Q30 plus			
Rating(s):	Rechargeable Li-ion Battery DC	3.7V			
Date of receipt of test item	Apr. 16, 2025				
Date (s) of performance of test:	Apr. 16, 2025 ~ Apr. 24, 2025				
Tested by (+signature) :	Ronaldo LUO	Ronald 501	NGCE TAN		
Check by (+signature) :	Beryl ZHAO	Borge 200	CT		
Approved by (+signature):	Tomsin	Tomsie	AN A		
TONGCE TESTING LAB. TH	roduced except in full, without the his document may be altered or r nly, and shall be noted in the revis apply to the tested sample.	evised by SHE	NZHEN TONGCE		

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1. General Product Information

1.1. EUT description

Product Name:	Wi-Fi Battery Camera with Solar Panel	
Model/Type reference:	Q20	
Sample Number	TCT250416E015-0101	
Bluetooth Version:	V5.0	
Operation Frequency:	2402MHz~2480MHz	
Channel Separation:	2MHz	(\mathcal{C})
Data Rate:	LE 1M PHY, LE 2M PHY	
Number of Channel:	40	
Modulation Type:	GFSK	
Antenna Type:	Internal Antenna	
Antenna Gain:	2.99dBi	
Rating(s):	Rechargeable Li-ion Battery DC 3.7V	

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

No.	Model No.	Tested with				
	Q20	\boxtimes				
Other models Q10, Q30, Q10 plus, Q20 plus, Q30 plus						
Note: 020 is teste	Note: 020 is tested model, other models are derivative models. The models are identical in circuit and PCB lavout					

Note: Q20 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of Q20 can represent the remaining models.

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	
		(<u>(</u>)	(.ć	· · · ·			
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz	
9	2420MHz	19	29	2460MHz	39	2480MHz		
Remark: Ch	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:	23.2 °C	24.5 °C
Humidity:	47 % RH	48 % RH
Atmospheric Pressure:	1010 mbar	1010 mbar
Test Software:		
Software Information:	RDTool V1.0.21	
Power Level:		
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	
Adapter	ETA0U82CBC	RT10206CS/AE		SAMSUNG	

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:

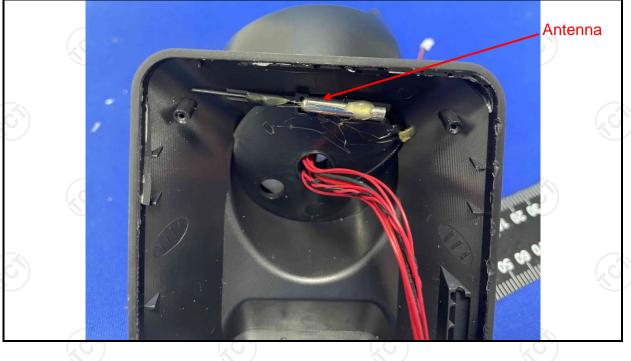
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 internal antenna which permanently attached, and the best case gain of the antenna is 2.99dBi.



5.2. Conducted Emission

5.2.1. Test Specification

equency Range: 1 eceiver setup: R mits: est Setup: est Mode: C	NSI C63.10:2020 50 kHz to 30 MHz BW=9 kHz, VBW=30 Frequency range (MHz) 0.15-0.5 0.5-5 5-30 Referenc 40cm 40cm	Limit (o Quasi-peak 66 to 56* 56 60				
eceiver setup: R mits: est Setup: est Mode: C	BW=9 kHz, VBW=30 Frequency range (MHz) 0.15-0.5 0.5-5 5-30 Referenc	Limit (o Quasi-peak 66 to 56* 56 60	dBuV) Average 56 to 46* 46			
est Mode:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30 Referenc 40cm	Limit (o Quasi-peak 66 to 56* 56 60	dBuV) Average 56 to 46* 46			
est Setup:	(MHz) 0.15-0.5 0.5-5 5-30 Referenc	Quasi-peak 66 to 56* 56 60	Average 56 to 46*			
est Setup:	0.15-0.5 0.5-5 5-30 Referenc 40cm	66 to 56* 56 60	56 to 46* 46			
est Setup:	0.5-5 5-30 Referenc	56 60	46			
est Mode:	5-30 Referenc	60	-			
est Mode:	Referenc 40cm	-G1	50			
est Mode:	40cm	e Plane				
est Mode:						
	40cm E.U.T AC power Test table/Insulation plane Remark: E.U.T: Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m					
1	harging + Transmittir	ng Mode				
est Procedure:	 The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to AMOL 0202 to 2000. 					
est Result:	ANSI C63.10:2020 on conducted measurement. PASS					

5.2.2. Test Instruments

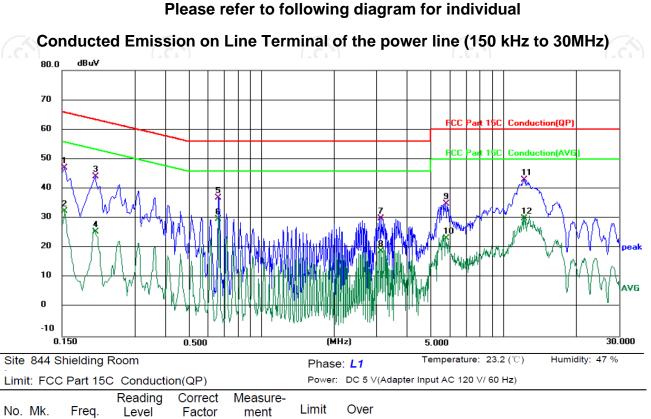
Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date			
EMI Test Receiver	R&S	ESCI3	100898	Jun. 27, 2024	Jun. 26, 2025			
LISN	Schwarzbeck	NSLK 8126	8126453	Jan. 21, 2025	Jan. 20, 2026			
Attenuator	N/A	10dB	164080	Jun. 27, 2024	Jun. 26, 2025			
Line-5	тст	CE-05	/	Jun. 27, 2024	Jun. 26, 2025			
EMI Test Software	EZ_EMC	EMEC-3A1	1.1.4.2	(G)	10			



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5.2.3. Test data

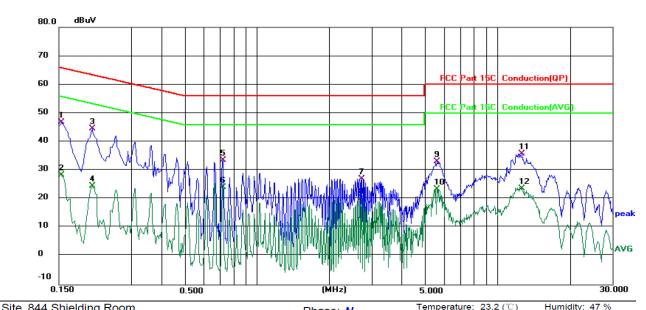
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No. Mk.	Freq.	Level	Factor	ment	Limit	Over		
	MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector	Comment
1	0.1539	37.12	9.96	47.08	65.79	-18.71	QP	
2	0.1539	22.52	9.96	32.48	55.79	-23.31	AVG	
3	0.2059	34.23	9.92	44.15	63.37	-19.22	QP	
4	0.2059	15.48	9.92	25.40	53.37	-27.97	AVG	
5	0.6660	27.01	9.90	36.91	56.00	-19.09	QP	
6 *	0.6660	19.87	9.90	29.77	46.00	-16.23	AVG	
7	3.1339	19.92	10.08	30.00	56.00	-26.00	QP	
8	3.1339	8.92	10.08	19.00	46.00	-27.00	AVG	
9	5.8019	24.68	10.17	34.85	60.00	-25.15	QP	
10	5.8019	12.92	10.17	23.09	50.00	-26.91	AVG	
11	12.2140	32.65	10.34	42.99	60.00	-17.01	QP	
12	12.2140	19.53	10.34	29.87	50.00	-20.13	AVG	

Note:

VO	ite:		
	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 μ V) = Limit stated in standard		
	Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)		
	Q.P. =Quasi-Peak		
	AVG =average		
	* is meaning the worst frequency has been tested in the frequency range 150	kHz to 30MHz	



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

Site 844 Shielding Room				Pha	se: N	Te	mperature: 23.2 (°C)	Humidity: 47 %	
Limit: F	CC Part 1	5C Conduct	tion(QP)		Powe	er: DC 5 V	(Adapter Inpu	ut AC 120 V/ 60 Hz)	
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB	dBu∨	dBuV	dB	Detector	Comment	
1	0.1539	36.90	9.94	46.84	65.79	-18.95	QP		
2	0.1539	18.33	9.94	28.27	55.79	-27.52	AVG		
3 *	0.2059	34.56	9.93	44.49	63.37	-18.88	QP		
4	0.2059	14.71	9.93	24.64	53.37	-28.73	AVG		
5	0.7219	23.67	9.94	33.61	56.00	-22.39	QP		
6	0.7219	14.24	9.94	24.18	46.00	-21.82	AVG		
7	2.7259	16.96	10.06	27.02	56.00	-28.98	QP		
8	2.7259	10.14	10.06	20.20	46.00	-25.80	AVG		
9	5.6020	22.87	10.18	33.05	60.00	-26.95	QP		
10	5.6020	13.34	10.18	23.52	50.00	-26.48	AVG		
11	12.6500	25.41	10.41	35.82	60.00	-24.18	QP		
12	12.6500	13.31	10.41	23.72	50.00	-26.28	AVG		

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 $(dB\mu V)$ – Limits $(dB\mu V)$ Q.P. =Quasi-Peak

AVG =average

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* 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 (Middle channel) was submitted only.



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 × RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level.
Test Result:	PASS

5.3.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 27, 2024	Jun. 26, 2025
Combiner Box	Ascentest	AT890-RFB	1		1

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

Equipment	Manufacturer	Model No.	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 27, 2024	Jun. 26, 2025
Combiner Box	Ascentest	AT890-RFB	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:	
	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

Equipment	Manufacturer	Model No.	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 27, 2024	Jun. 26, 2025
Combiner Box	Ascentest	AT890-RFB	/	/	/
(, c)		(\mathcal{C})	(\mathcal{S})	(*	S)

5.6. Conducted Band Edge and Spurious Emission Measurement

5.6.1. Test Specification

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Test Requirement:	FCC Part15 C Section 1	5.247 (d)	í, ć
Test Method:	KDB 558074 D01 v05r02	2	6
Limit:	frequency band, the non-restricted bands sha 30dB relative to the max RF conducted measure which fall in the restricted	vidth outside of the authoriz emissions which fall in all be attenuated at least 20 c kimum PSD level in 100 kHz ement and radiated emission ed bands, as defined in Sect mply with the radiated emission 15.209(a).	the B / by ons tion
Test Setup:	Spectrum Analyzer	EUT	
Test Mode:	Refer to item 3.1	(\mathcal{O})	(c
	analyzer by RF cable compensated to the r 2. Set to the maximum p EUT transmit continu 3. Set RBW = 100 kHz, V	esults for each measuremen ower setting and enable the	t.
Test Procedure:	bandwidth outside of shall be attenuated b maximum in-band pe maximum peak cond used. If the transmitte power limits based or a time interval, the at paragraph shall be 30 15.247(d). 4. Measure and record th 5. The RF fundamental f	the authorized frequency bar y at least 20 dB relative to the ak PSD level in 100 kHz whe ucted output power procedure or complies with the conducted of the use of RMS averaging of tenuation required under this 0 dB instead of 20 dB per the results in the test report. requency should be excluded on the operating frequency bar	nd e en e is ed over



5.6.2. Test Instruments

Agilent Ascentest	N9020A AT890-RFB	Number MY49100619 /	Jun. 27, 2024 /	Jun. 26, 2025 /
Ascentest	AT890-RFB			1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

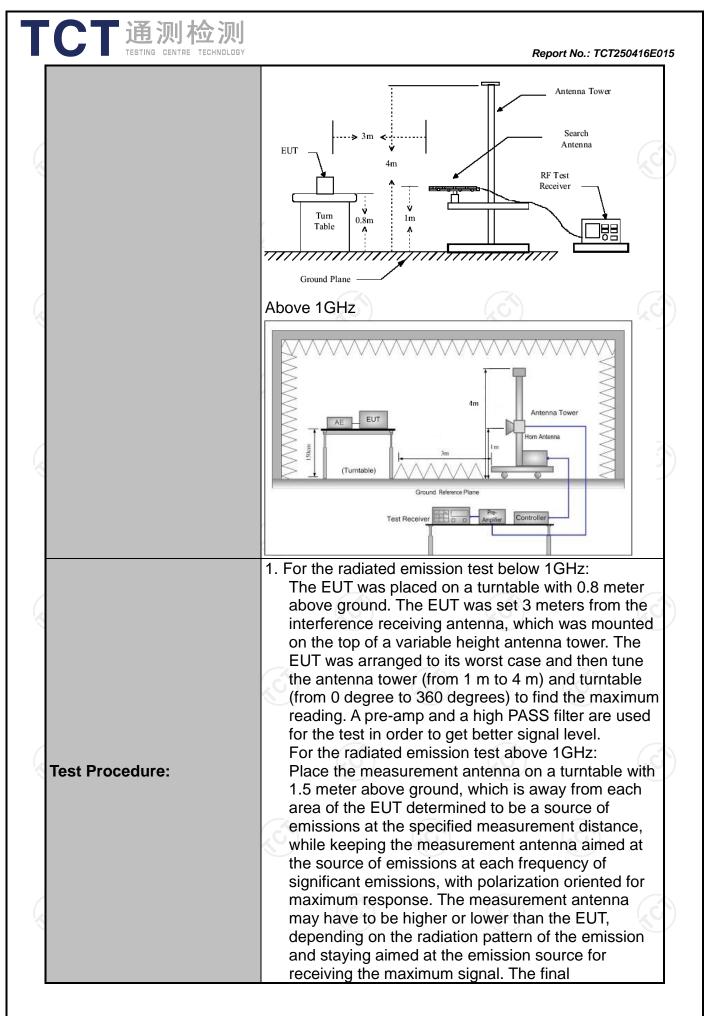
5.7. Radiated Spurious Emission Measurement

5.7.1. Test Specification

TCT 通测检测 TESTING CENTRE TECHNOLOGY

Test Requirement:	FCC Part15	C Sectior	15.209	<u>(</u>)	
Test Method:	ANSI C63.10	0:2020			
Frequency Range:	9 kHz to 25 (GHz			
Measurement Distance:	3 m	X	9		
Antenna Polarization:	Horizontal &	Vertical			
Operation mode:	Refer to item	n 3.1	((
	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-peal Quasi-peal		VBW 1kHz 30kHz	Remark Quasi-peak Valu Quasi-peak Valu
Receiver Setup:	30MHz 30MHz-1GHz Above 1GHz	Quasi-peal Peak Peak	k <u>120KHz</u> 1MHz 1MHz	300KHz 3MHz 10Hz	Quasi-peak Valu Peak Value Average Value
	Frequen 0.009-0.4	190	Field Str (microvolts 2400/F(/meter) KHz)	Measurement Distance (meters 300
	0.490-1.705 1.705-30 30-88		24000/F(KHz) 30 100		30 30 3
Limit:	88-216 216-960 Above 960		150 200 500		3 3 3
	Frequency Above 1GHz	(micro	d Strength ovolts/meter) 500 5000	Measure Distan (meter 3 3	ce Detector
Test setup:	For radiated	stance = 3m		Pre -/	Computer Amplifier Receiver
	30MHz to 10		d Plane		

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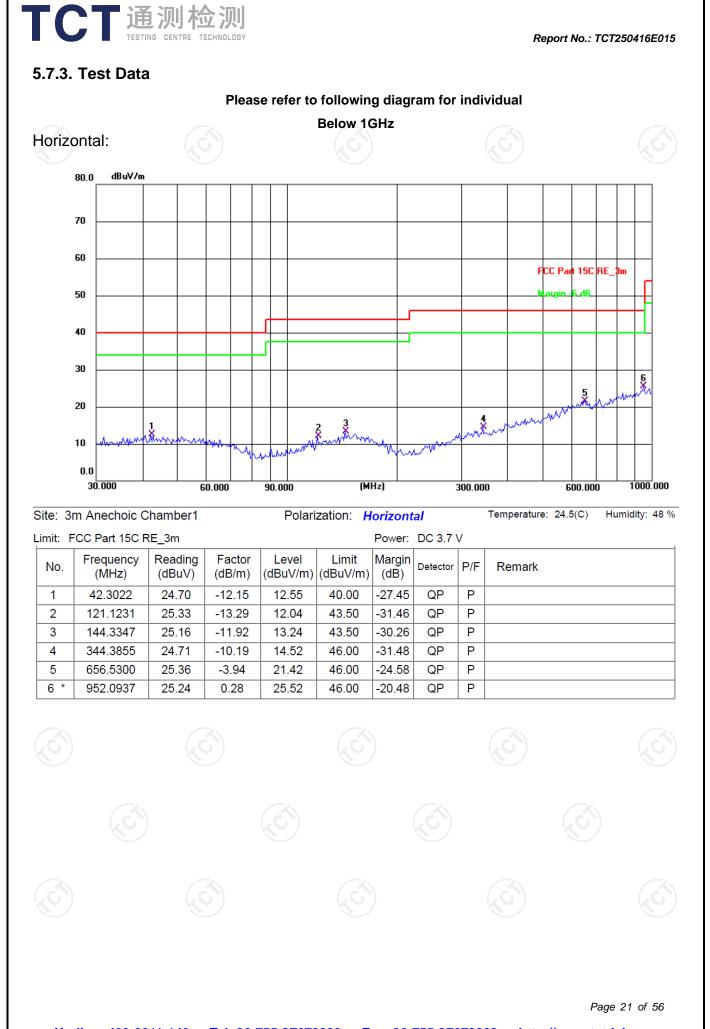


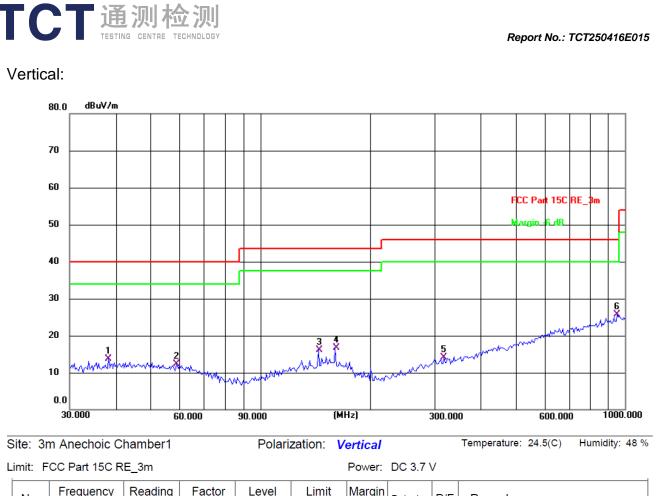
CT 通测检测 TESTING CENTRE TECHNOLOGY	Report No.: TCT250416E0
	 measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. Corrected 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: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) 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. VBW ≥ 1/T, when duty cycle is 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

	F	Radiated Emissio	n Test Site (966)		
Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date
EMI Test Receiver	R&S	ESCI7	100529	Jan. 21, 2025	Jan. 20, 2026
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 27, 2024	Jun. 26, 2025
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Jan. 21, 2025	Jan. 20, 2026
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Jan. 21, 2025	Jan. 20, 2026
Pre-amplifier HP		8447D	2727A05017	Jun. 27, 2024	Jun. 26, 2025
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 27, 2024	Jun. 26, 2025
Broadband Antenna Schwarzbeck		VULB9163	340	Jun. 29, 2024	Jun. 28, 2025
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 29, 2024	Jun. 28, 2025
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Jan. 23, 2025	Jan. 22, 2026
Coaxial cable	SKET	RE-03-D	/	Jun. 27, 2024	Jun. 26, 2025
Coaxial cable	SKET	RE-03-M	1	Jun. 27, 2024	Jun. 26, 2025
Coaxial cable	SKET	RE-03-L	(P)	Jun. 27, 2024	Jun. 26, 2025
Coaxial cable	SKET	RE-04-D	/	Jun. 27, 2024	Jun. 26, 2025
Coaxial cable	SKET	RE-04-M	1	Jun. 27, 2024	Jun. 26, 2025
Coaxial cable	SKET	RE-04-L	1	Jun. 27, 2024	Jun. 26, 2025
Antenna Mast	Keleto	RE-AM	/	/	/
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2	1	1

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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	38.3462	26.02	-12.22	13.80	40.00	-26.20	QP	Ρ	
2	58.8185	24.96	-12.69	12.27	40.00	-27.73	QP	Ρ	
3	144.3348	28.00	-11.92	16.08	43.50	-27.42	QP	Ρ	
4	160.3456	28.00	-11.37	16.63	43.50	-26.87	QP	Ρ	
5	318.8170	24.62	-10.61	14.01	46.00	-31.99	QP	Ρ	
6 *	952.0937	25.34	0.28	25.62	46.00	-20.38	QP	Ρ	

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 (Middle channel) was submitted only.

3. Freq. = Emission frequency in MHz

Measurement $(dB\mu V/m) = Reading \, level (dB\mu V) + Corr. Factor (dB) Correction Factor= Antenna Factor + Cable loss – Pre-amplifier Limit (dB\mu V/m) = Limit stated in standard$

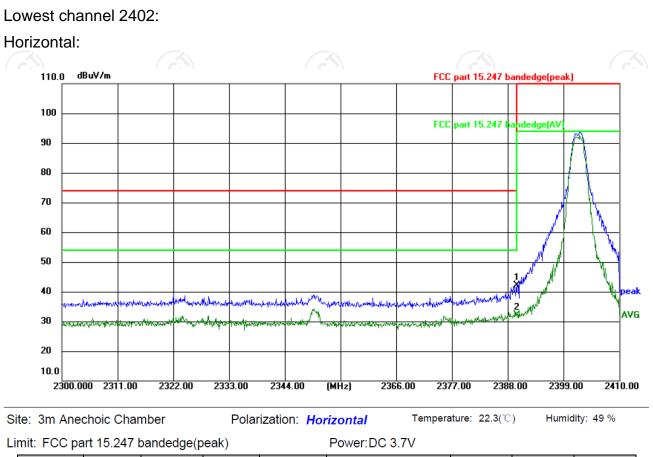
Margin (dB) = Measurement (dB μ V/m) – Limits (dB μ V/m)

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



Test Result of Radiated Spurious at Band edges

Τ

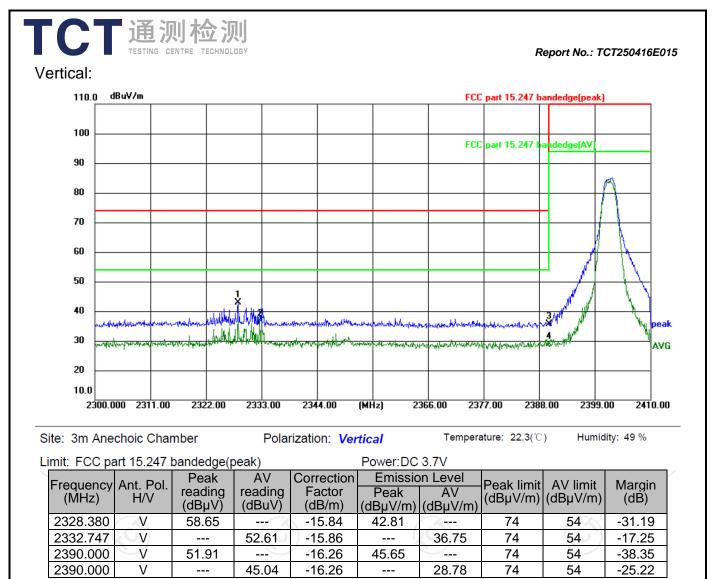


	Frequency	Ant Pol	Peak	AV	Correction	Emissic	on Level	Peak limit	A\/ limit	Margin
	(MHz)	H/V	reading (dBµV)	reading (dBuV)	Factor (dB/m)	Peak (dBµV/m)	AV		(dBµV/m)	
1	2390.000	Н	58.28		-16.26	42.02		74	54	-31.98
	2390.000	Н		48.45	-16.26) (``(32.19	74	54	-21.81

Note:

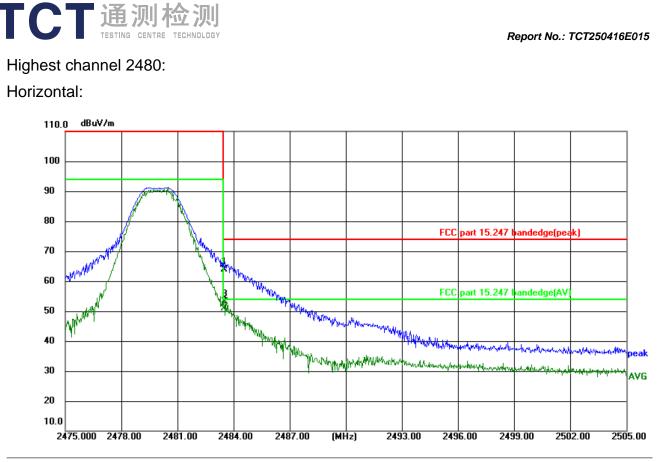
1.Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier 2.Margin (dB) = Emission Level (Peak/AVG) (dBµV/m)- limit (Peak/AVG) (dBµV/m))

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Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier 2. Margin (dB) = Emission Level (Peak/AVG) (dB μ V/m)- limit (Peak/AVG) (dB μ V/m))

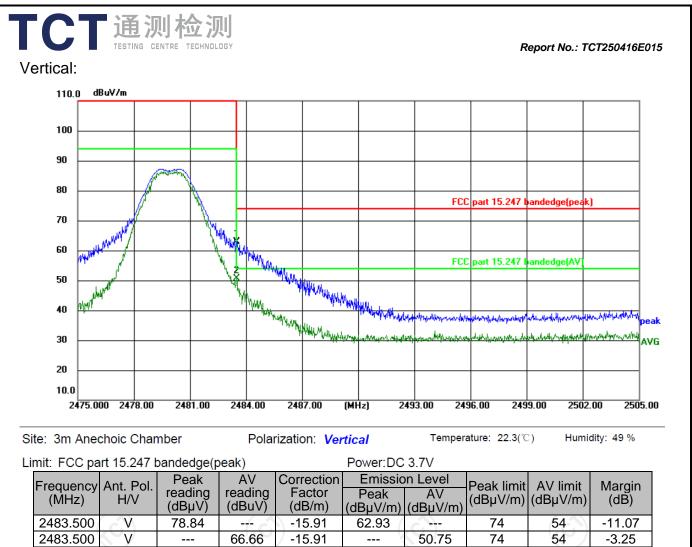


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.3(℃) Humidity: 49 %

_i	mit: FCC pa	nt 15.247 k	pandedge(p	oeak)	Power:DC 3.7V					
Frequency		Ant Pol	Peak		Correction				AV limit	Margin
	(MHz)	H/V	reading rea	reading (dBuV)		Peak (dBµV/m)	AV		(dBµV/m)	(dB)
	2483.500	Н	79.76		-15.91	63.85		74	54	-10.15
	2483.500	Н		66.67	-15.91		50.76	74	54	-3.24
	2483.526	Н		69.07	-15.91		53.16	74	54	-0.84
÷										

Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier 2.Margin (dB) = Emission Level (Peak/AVG) (dB μ V/m)- limit (Peak/AVG) (dB μ V/m))



Note:

1.Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier 2.Margin (dB) = Emission Level (Peak/AVG) (dBμV/m)- limit (Peak/AVG) (dBμV/m))

3.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.

Above 1GHz

Low channe	el: 2402 M	lHz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4804	Н	55.52		-9.51	46.01		74	54	-7.99
7206	Н	45.74		-1.41	44.33		74	54	-9.67
	Н								
4804	V	56.65		-9.51	47.14	×	74	54	-6.86
7206	V	46.28		-1.41	44.87	<u> </u>	74	54	-9.13
	V								

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	55.97		-9.36	46.61	 74	54	-7.39
7320	Н	46.56		-1.15	45.41	 74	54	-8.59
	H			·	/	 		
			N.)				
4880	V	54.70		-9.36	45.34	 74	54	-8.66
7320	V	46.03		-1.15	44.88	 74	54	-9.12
	V					 		
				(.0				(.(
	1 0 1 0 0							

		: 2480 MHz Peak		Correction	Emissio	n Level	Deak limit	A) / limit	Morgin
Frequency (MHz)	H/V	reading (dBµV)	reading (dBµV)	Factor (dB/m)	Peak (dBµV/m)		Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4960	Н	55.28	-+- 6	-9.20	46.08		74	54	-7.92
7440	Ч I	45.91		-0.96	44.95		74	54	-9.05
	Н								
4960	V	54.33		-9.20	45.13		74	54	-8.87
7440	V	44.94		-0.96	43.98		74	54	-10.02
	V			_	/		·		· · · · ·

Note:

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

2. Margin (dB) = Emission Level (Peak) (dBµV/m)-Average limit (dBµV/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.

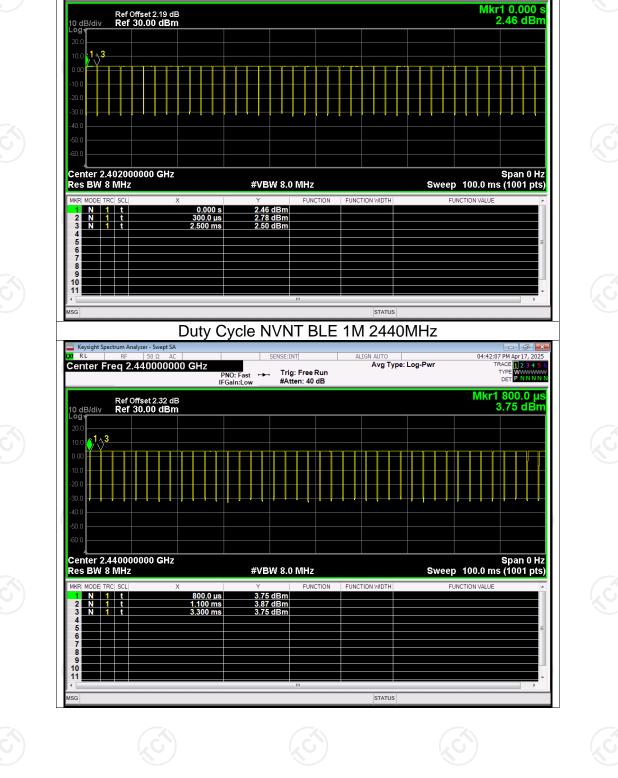
6. Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 2M speed modulation.

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



Appendix A: Test Result of Conducted Test

			Duty (Cycle		
NO NO	Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction (dB)	Factor
	NVNT	BLE 1M	2402	92.01	0.36	
-	NVNT	BLE 1M	2440	92.01	0.36	
-	NVNT NVNT	BLE 1M BLE 2M	2480 2402	89.31 63.44	0.49	
	NVNT	BLE 2M	2440	61.44	2.12	
6	NVNT	BLE 2M	2480	61.04	2.14	(c)
						Page 28 of 56
Но	tline: 400-6611	-140 Tel: 86	6-755-27673339	Fax: 86-755-27673	332 http://www	v.tct-lab.com



Test Graphs Duty Cycle NVNT BLE 1M 2402MHz

PNO: Fast ---- Trig: Free Run IFGain:Low #Atten: 40 dB

Avg Type: Log-Pwr

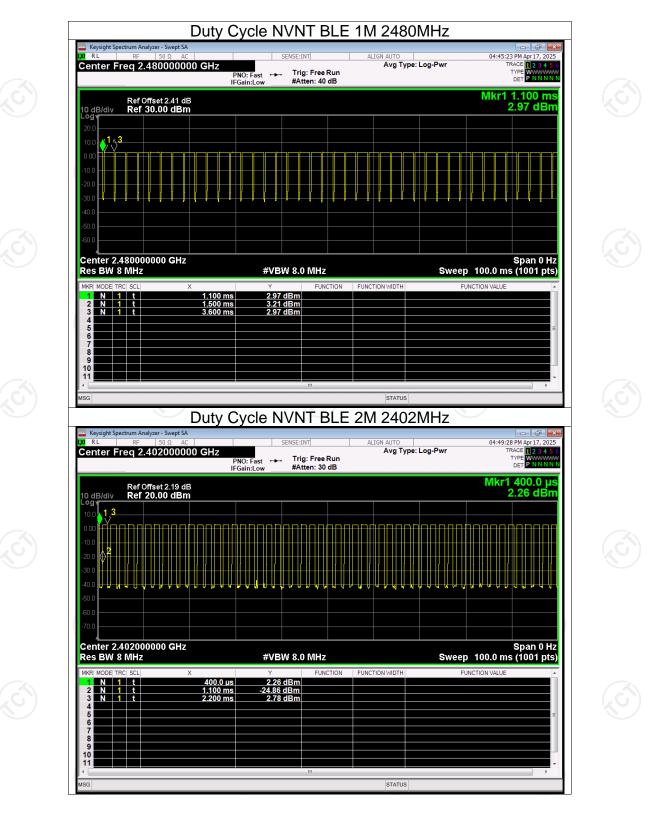
Keysight Spectrum Analyzer - Swept SA

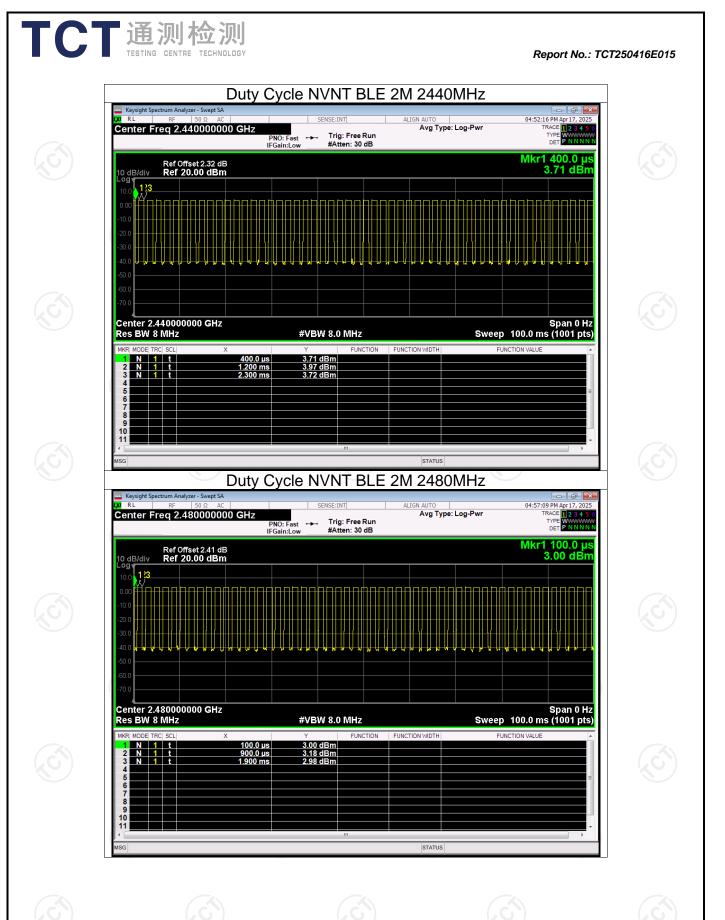
Center Freq 2.402000000 GHz

Report No.: TCT250416E015

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04:39:24 PM Apr17, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNN



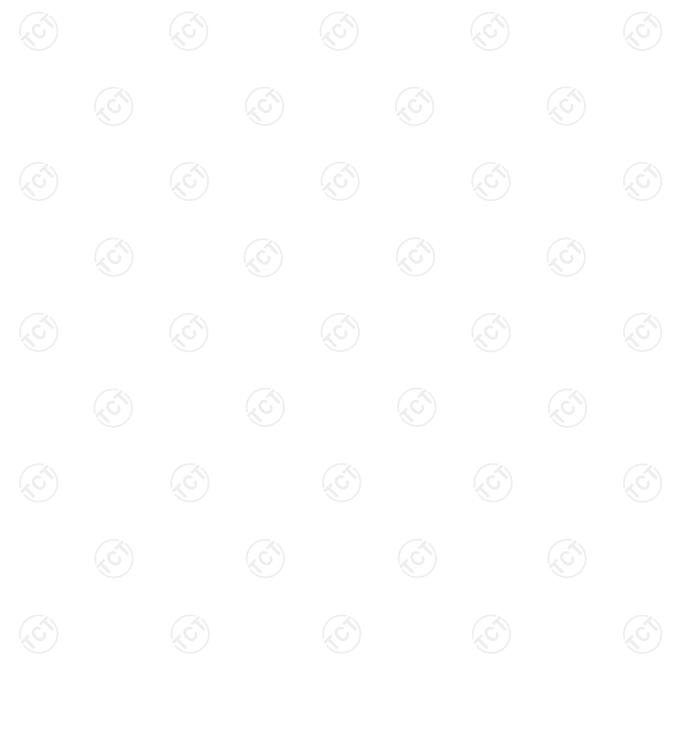


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Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	2.70	30	Pass
NVNT	BLE 1M	2440	3.71	30	Pass
NVNT	BLE 1M	2480	2.94	30	Pass
NVNT	BLE 2M	2402	2.74	30	Pass
NVNT	BLE 2M	2440	3.72	30	Pass
NVNT 🚫	BLE 2M	2480	2.93	30	Pass

Maximum Conducted Output Power

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♦¹ **III**IIII Span 6.000 MHz Sweep 1.000 ms (1001 pts) #VBW 6.0 MHz STATUS Power NVNT BLE 1M 2440MHz 04:39:56 PM Apr 17, 2025 TRACE 1 2 3 4 5 6 TYPE DET P N N N N Avg Type: Log-Pwr Avg|Hold: 200/200

Test Graphs Power NVNT BLE 1M 2402MHz

PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB

Avg Type: Log-Pwr Avg|Hold: 300/300

Center Freq 2.440000000 GHz PNO: Fast ---- Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 2.440 258 GHz 3.714 dBm Ref Offset 2.32 dB Ref 20.00 dBm 10 dB/div **♦**¹ Center 2.440000 GHz #Res BW 2.0 MHz Span 6.000 MHz #Sweep 10.00 ms (1001 pts) #VBW 6.0 MHz STATUS

Report No.: TCT250416E015

04:35:43 PM Apr 17, 2025

Mkr1 2.402 240 GHz 2.700 dBm

TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N

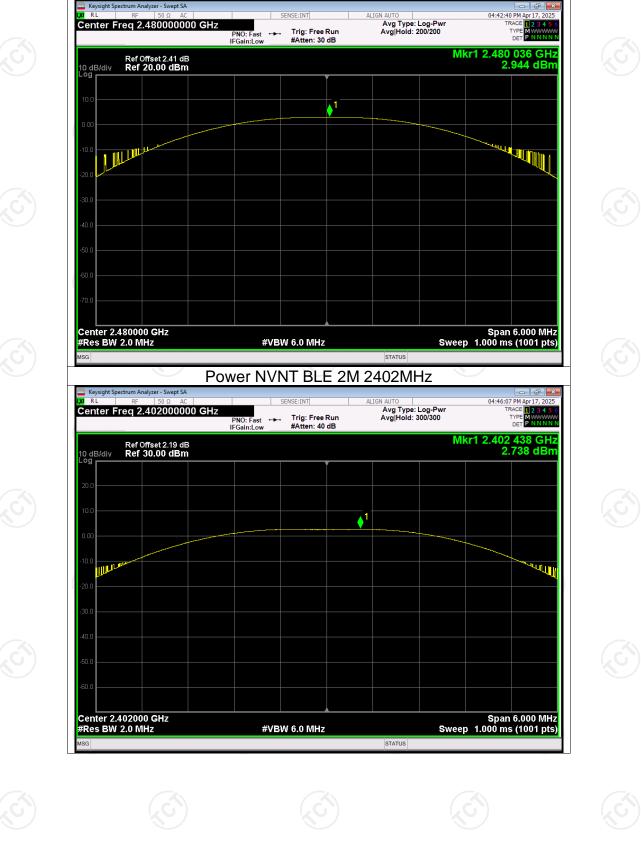
Keysight Spectrum Analyzer - Swept SA

10 dB/div Log

Center Freq 2.402000000 GHz

Ref Offset 2.19 dB Ref 20.00 dBm

Center 2.402000 GHz #Res BW 2.0 MHz Keysight Spectrum Analyzer - Swept SA

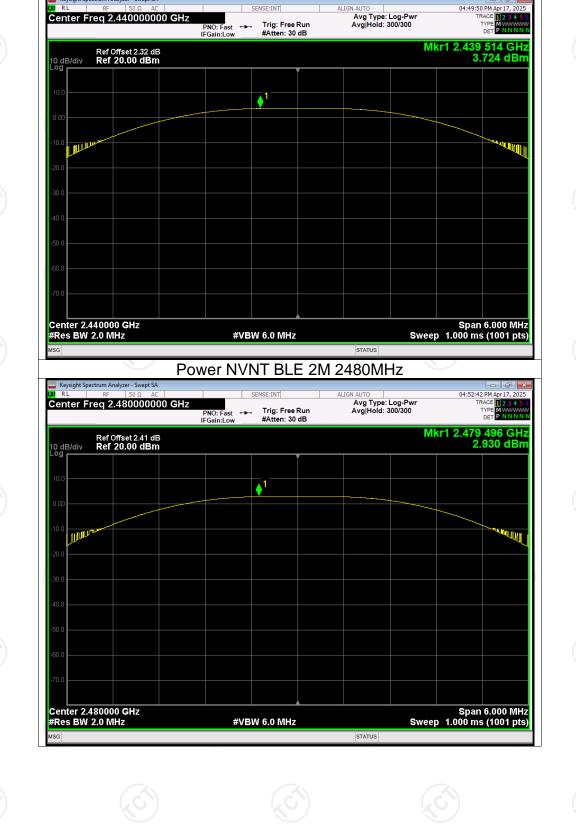


Power NVNT BLE 1M 2480MHz

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Power NVNT BLE 2M 2440MHz

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🔤 Keysight Spectrum Analyzer

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Report	No.: T	CT250416E015

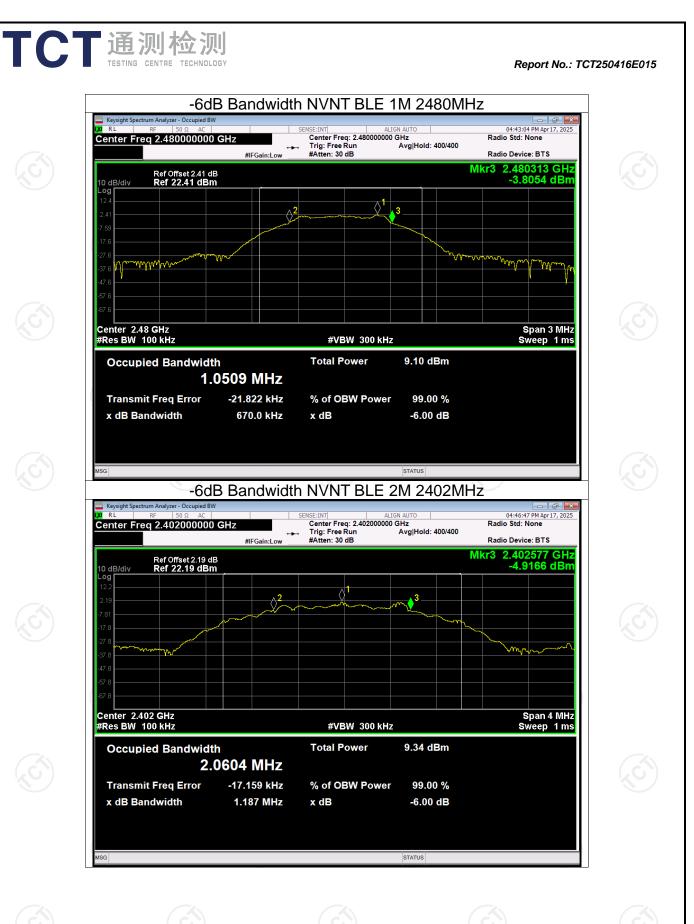
	-6dB Bandwidth										
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict						
NVNT	BLE 1M	2402	0.661	0.5	Pass						
NVNT	BLE 1M	2440	0.680	0.5	Pass						
NVNT	BLE 1M	2480	0.670	0.5	Pass						
NVNT	BLE 2M	2402	1.187	0.5	Pass						
NVNT	BLE 2M	2440	1.176	0.5	Pass						
NVNT 🔬	BLE 2M	2480	1.194	0.5	Pass						

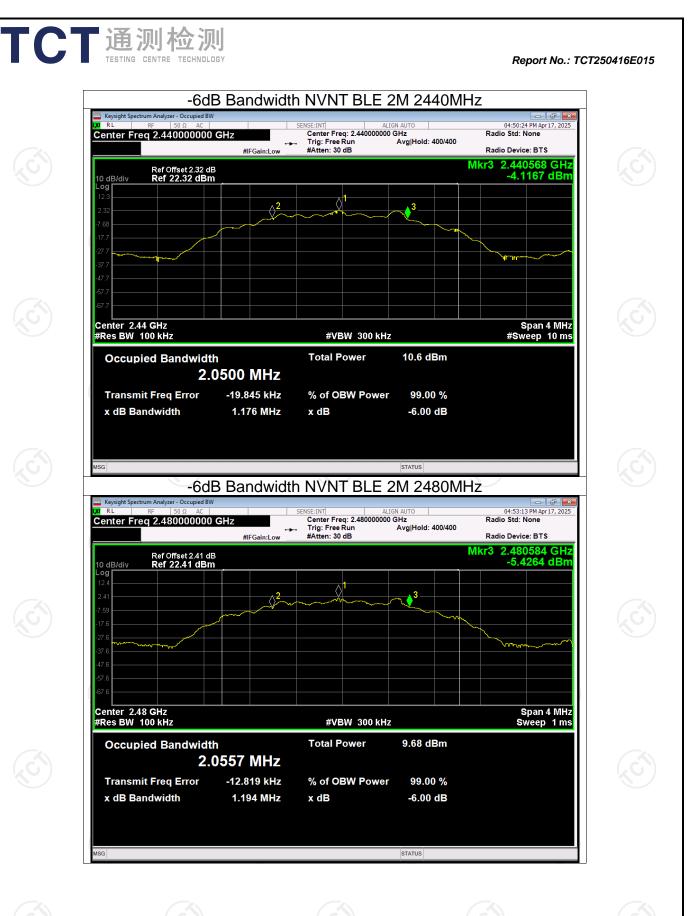
TCT 通测检测 TESTING CENTRE TECHNOLOGY





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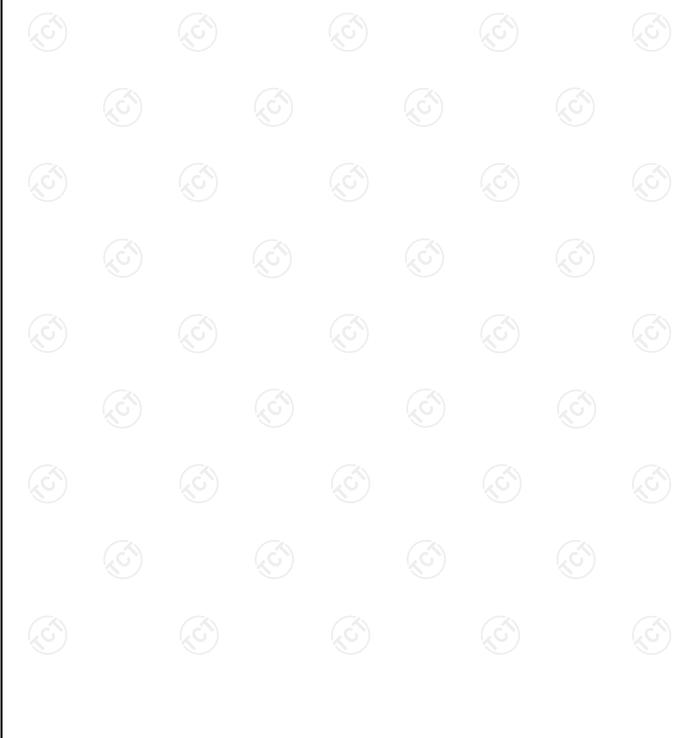
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Report	No.:	TCT250416E015
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	Maximum Power Spectral Density Level											
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict							
NVNT	BLE 1M	2402	-12.11	8	Pass							
NVNT	BLE 1M	2440	-11.33	8	Pass							
NVNT	BLE 1M	2480	-12.54	8	Pass							
NVNT	BLE 2M	2402	-15.86	8	Pass							
NVNT 🚫	BLE 2M	2440	-15.41	8	Pass							
NVNT	BLE 2M	2480	-16.67	8	Pass							

Maximum Power Spectral Density Level

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Test Graphs PSD NVNT BLE 1M 2402MHz

PNO: Wide ---- Trig: Free Run IFGain:Low #Atten: 30 dB Avg Type: Log-Pwr Avg|Hold: 100/100

10 dB/div Log

Keysight Spectrum Analyzer - Swept SA

Keysight Spectrum Analyzer - Swe

Center Freq 2.402000000 GHz

Ref Offset 2.19 dB Ref 20.00 dBm

PSD NVNT BLE 1M 2440MHz

	Res BW			#VB	W 10 kHz			Sweep	span 106.0 ms	(10001 p
PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB AvgiHoid: 100/100 Trig: Free Run Det Mixer Ref Offset 2.32 dB Ref 20.00 dBm Mkr1 2.439 974 3 G -11.325 dE 00 1 1 1 01 1 1 1 02 1 1 1 03 1 1 1 04 1 1 1 05 1 1 1 06 1 1 1 07 1 1 1 08 1 1 1 09 1 1 1 00 1 1 1 00 1 1 1 00 1 1 1 00 1 1 1 00 1 1 1 1 01 1 1 1 1 02 1 1 1 1 1 03 1 1 1 1 1 04 1 1	ontor 1	4400000 CH-							Snon	1 000 1
Ref Offset 2.32 dB Ref 20.00 dBm	70.0									
PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB Avg Hold: 100/100 Trig: Free Run Det Internet Ref Offset2.32 dB Ref 20.00 dBm Mkr1 2.439 974 3 G -11.325 dE 00 1 00 1 00 1 00 1 00 1 00 1 00 1 00 1 00 1 00 1 00 1 00 1 00 1 00 1 00 1	50.0									
PNO: Wide IFGain:Low PNO: Wide From the term of term o	50.0									
PNO: Wide IFGain:Low PNO: Wide FGGin:Low PNO: Wide FGGin:Low PNO: Wide FGGin:Low PNO: Wide FGGIn:Low #Atten: 30 dB Mkr1 2.439 974 3 G -11.325 dE 00 00 00 00 00 00 00 00 00 0	10.0									
PNO: Wide IFGain:Low PNO: Wide Frig: Free Run #Atten: 30 dB Mkr1 2.439 974 3 G -11.325 dE 0 dB/div 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0	·/w····								Marry y
PNO: Wide → Trig: Free Run Avg Hoid: 100/100 Tree Punce Pince Run PicGain:Low #Atten: 30 dB Mkr1 2.439 974 3 G Ref Offset 2.32 dB Contract of the second definition of th	0.0	MMMMM	mmm	Marthan	www.v	h Maran Maran	maharra	www.www	WAY WAAA	Λ.
PNO: Wide IFGain:Low Frig: Free Run #Atten: 30 dB AvgiHoid: 100/100 TVPE Five Det PNN Ref Offset 2.32 dB Mkr1 2.439 974 3 G -11.325 dE 0 dB/div Ref 20.00 dBm -11.325 dE	0.0									
PNO: Wide PNO: Wide Atten: 30 dB AvgiHoid: 100/100 TVPE WIDE Atten: 30 dB AvgiHoid: 100/100 TVPE PNN Ref Offset 2.32 dB Atten: 30 dB A).00									
PNO: Wide IFGain:Low #Atten: 30 dB Ref Offset 2.32 dB 0 dB/div Ref 20.00 dBm PNO: Wide FRef Offset 2.32 dB 0 dB/div Ref 20.00 dBm PNO: Wide #Atten: 30 dB Mkr1 2.439 974 3 G -11.325 dE	0.0									
PNO: Wide ↔ Trig: Free Run AvgiHoid: 100/100 TYPE MWW IFGain:Low #Atten: 30 dB Mkr1 2.439 974 3 G		Ref 20.00 d	Bm			Ĭ			-11.	325 dE
	enterr	req 2.44000								TYPE M WAA

Report No.: TCT250416E015

04:36:25 PM Apr 17, 2025

Mkr1 2.401 974 48 GHz -12.109 dBm

TRACE 1 2 3 4 5 (TYPE MWWWW DET P N N N N

:43:22 PM Apr 17, 2025 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N Avg Type: Log-Pwr Avg|Hold: 100/100 Center Freg 2.480000000 GHz Trig: Free Run #Atten: 30 dB TYPE DET PNO: Wide IFGain:Low **н**н Mkr1 2.479 973 05 GHz -12.536 dBm Ref Offset 2.41 dB Ref 20.00 dBm 10 dB/div www. hummon Manan MMMM Werter Window Center 2.4800000 GHz #Res BW 3.0 kHz Span 1.100 MHz Sweep 116.0 ms (10001 pts) #VBW 10 kHz STATUS PSD NVNT BLE 2M 2402MHz Keysight Spectrum Analyzer - Swept SA U RL 04:47:17 PM Apr 17 RACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N Center Freq 2.402000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB PNO: Wide IFGain:Low -----Mkr1 2.401 973 8 GHz -15.859 dBm Ref Offset 2.19 dB Ref 20.00 dBm 10 dB/div Log hour harry harry and while Mermonrich Center 2.402000 GHz #Res BW 3.0 kHz Span 2.000 MHz Sweep 211.3 ms (10001 pts) #VBW 10 kHz STATUS

PSD NVNT BLE 1M 2480MHz

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Report No.: TCT250416E015

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Mkr1 2.439 973 4 GHz -15.414 dBm Ref Offset 2.32 dB Ref 20.00 dBm 10 dB/div Loa while humberl Center 2.440000 GHz #Res BW 3.0 kHz Span 2.000 MHz Sweep 211.3 ms (10001 pts) #VBW 10 kHz STATUS PSD NVNT BLE 2M 2480MHz Keysight Spectrum Analyzer - Swept SA U RL 04:53:54 PM Apr 17 RACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N Center Freq 2.480000000 GHz Avg Type: Log-Pw Avg|Hold: 150/150 TRAC Trig: Free Run #Atten: 30 dB PNO: Wide IFGain:Low **н**н Mkr1 2.479 973 2 GHz -16.665 dBm Ref Offset 2.41 dB Ref 20.00 dBm 10 dB/div Log Ŷ Andersonderstor whileter An Center 2.480000 GHz #Res BW 3.0 kHz Span 2.000 MHz Sweep 211.3 ms (10001 pts) #VBW 10 kHz STATUS

PSD NVNT BLE 2M 2440MHz

Trig: Free Run #Atten: 30 dB

PNO: Wide IFGain:Low

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Avg Type: Log-Pwr Avg|Hold: 100/100

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Center Freg 2.440000000 GHz

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Report No.: TCT250416E015

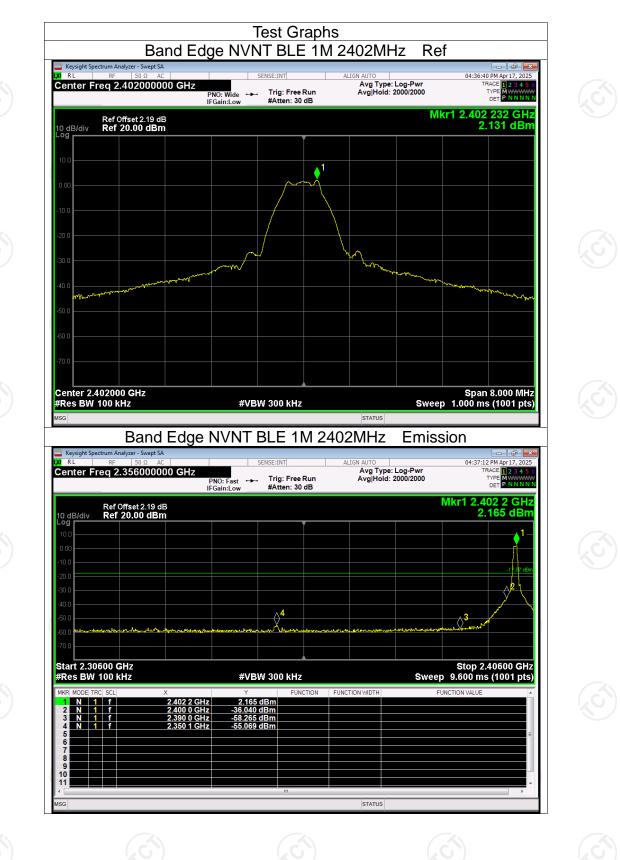
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:50:53 PM Apr 17, 2025 TRACE 1 2 3 4 5 TYPE MWWW DET P N N N N

Condition	Mode	Frec	luency (N	Band E IHz)	Max	Value (dl	Bc)	Limit (dB	c)	Verdict
NVNT	BLE 1M		2402			-57.19		-20		Pass
	BLE 1M	<u></u>	2480	-66		-45.59	-6	-20		Pass
NVNT NVNT	BLE 2M BLE 2M		2402 2480			-57.04 -42.59	0	-20 -20		Pass Pass
			2100			12.00		20		1 400

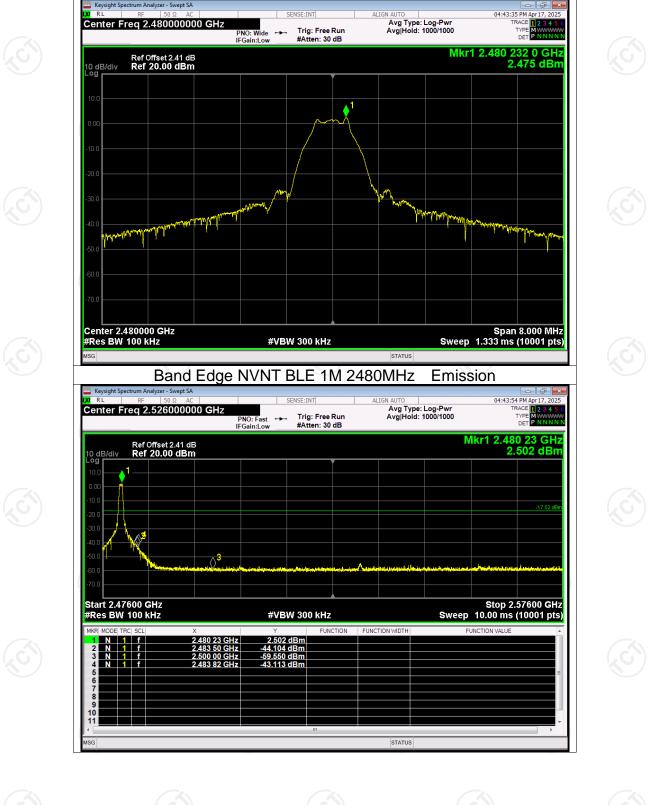
Report No.: TCT250416E015

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Report No.: TCT250416E015



Band Edge NVNT BLE 1M 2480MHz

Report No.: TCT250416E015

Ref

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Mkr1 2.402 488 GHz 1.256 dBm Ref Offset 2.19 dB Ref 20.00 dBm 10 dB/div Loa ø ጉፖኒስ Center 2.402000 GHz #Res BW 100 kHz Span 8.000 MHz Sweep 1.000 ms (1001 pts) #VBW 300 kHz STATUS Band Edge NVNT BLE 2M 2402MHz Emission nalyzer - Swept SA Keysight Sp U RL 04:47:44 PM Apr 1 Avg Type: Log-Pwr Avg|Hold: 1000/1000 Center Freg 2.356000000 GHz 2345 Trig: Free Run #Atten: 30 dB TYPE PNO: Fast ↔→→ IFGain:Low Mkr1 2.402 5 GH 1.302 dBn Ref Offset 2.19 dB Ref 20.00 dBm 10 dB/div Log **r ∂**⁴ $\langle \rangle^3$ Start 2.30600 GHz #Res BW 100 kHz Stop 2.40600 GHz Sweep 9.600 ms (1001 pts) #VBW 300 kHz FUNCTION WIDTH TION 402 5 GHz 400 0 GHz N 1 f N 1 f N 1 f N 1 f -30.946 dBm -58.423 dBm -55.788 dBm 10 11 STATUS

Band Edge NVNT BLE 2M 2402MHz

PNO: Wide IFGain:Low

нн

Trig: Free Run #Atten: 30 dB

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Center Freg 2.402000000 GHz

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Report No.: TCT250416E015

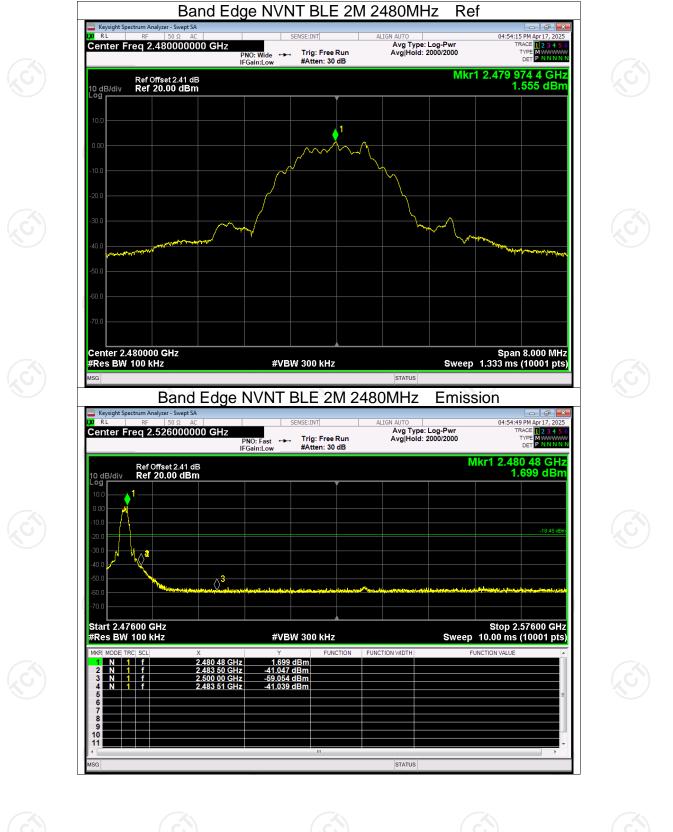
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04:47:28 PM Apr 17, 2025 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N

TYP

Ref

Avg Type: Log-Pwr Avg|Hold: 1000/1000



Report No.: TCT250416E015

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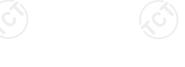
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Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict							
NVNT	BLE 1M	2402	-44.46	-20	Pass							
NVNT	BLE 1M	2440	-45.45	-20	Pass							
NVNT	BLE 1M	2480	-44.58	-20	Pass							
NVNT	BLE 2M	2402	-44.19	-20	Pass							
NVNT	BLE 2M	2440	-45.30	-20	Pass							
NVNT	BLE 2M	2480	-43.76	-20	Pass							

Conducted RF Spurious Emission











(C)

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Test Graphs Tx. Spurious NVNT BLE 1M 2402MHz Ref Keysight Spectrum Analyzer - Swept SA 04:37:29 PM Apr 17, 2025 RL RF 50 Ω AC Center Freq 2.402000000 GHz Avg Type: Log-Pwr Avg|Hold: 1000/1000 TRACE 1 2 3 4 5 6 TYPE MWWWW PNO: Wide ---- Trig: Free Run IFGain:Low #Atten: 30 dB DE Mkr1 2.402 225 75 GHz 2.142 dBm Ref Offset 2.19 dB Ref 20.00 dBm **♦**¹ n in Span 1.500 MHz Sweep 2.000 ms (30001 pts) Center 2.4020000 GHz #Res BW 100 kHz #VBW 300 kHz STATUS Tx. Spurious NVNT BLE 1M 2402MHz Emission 04:37:59 PM Apr17, 2025 zer - Swept S ALIGN AUTO Avg Type: Log-Pwr Center Freg 13.265000000 GHz

Cer	nter	Fre	eq 1	3.2650000	F	PNO: Fast +++ Gain:Low		g: Free ten: 30			Avg Type Avg Hold	e: Log-Pwr : 10/10		TYPE MWWWWW DET PNNNN
10 c Log	B/di			Offset 2.19 dE 20.00 dBm										102 6 GHz .390 dBm
10.0				1										
0.00			_	<u> </u>										
-10.0														
-20.0														-17.86 dBm
-30.0	□											^2		
-40.0	┝			. 2										
-50.0	⊳ —		1.	\$ ³		5					مى يەركى يەركى ب ارلىكى يەر	VVV	Water and the	
-60.0				terri Auguranti		an a								
-70.0	╟													
	rt 0. es B					#VB	W 30	0 kHz				Swe	Stoj ep 2.530 s	o 26.50 GHz (30001 pts)
MKR	MODE	TRC	SCL)		Y		FUN	TION	FUNCT	TION WIDTH		FUNCTION VALUE	A
2	N	1	f		2.402 6 GHz 0.385 4 GHz	0.390	dBm							
3	N	1	f f		4.803 4 GHz 7.199 0 GHz	-53.493 -56.539								
5	N	1	f		9.455 1 GHz	-57.716	dBm							=
78														
9														
10 11														
•											11			•
MSG											STATUS			

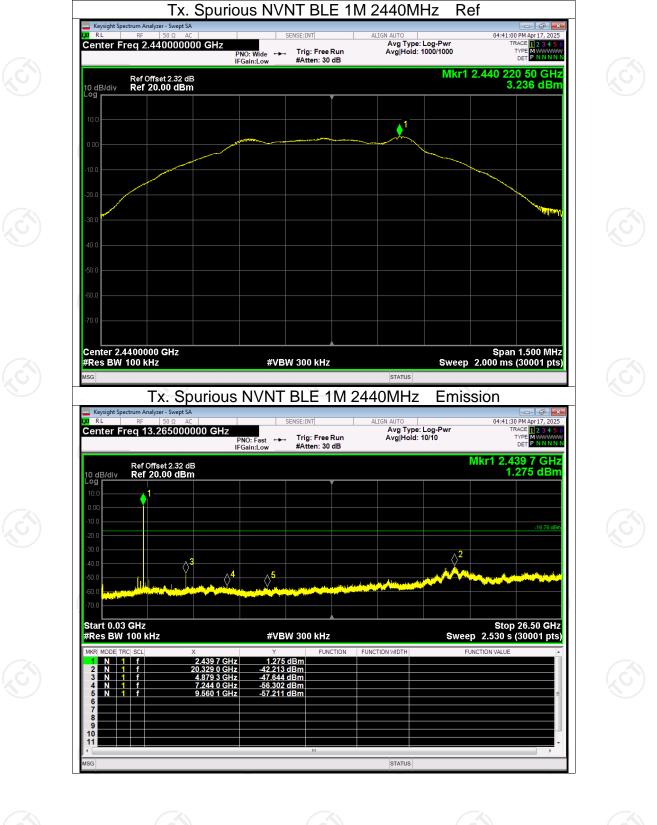
Report No.: TCT250416E015



10 dB/div Log

Keysight Spe

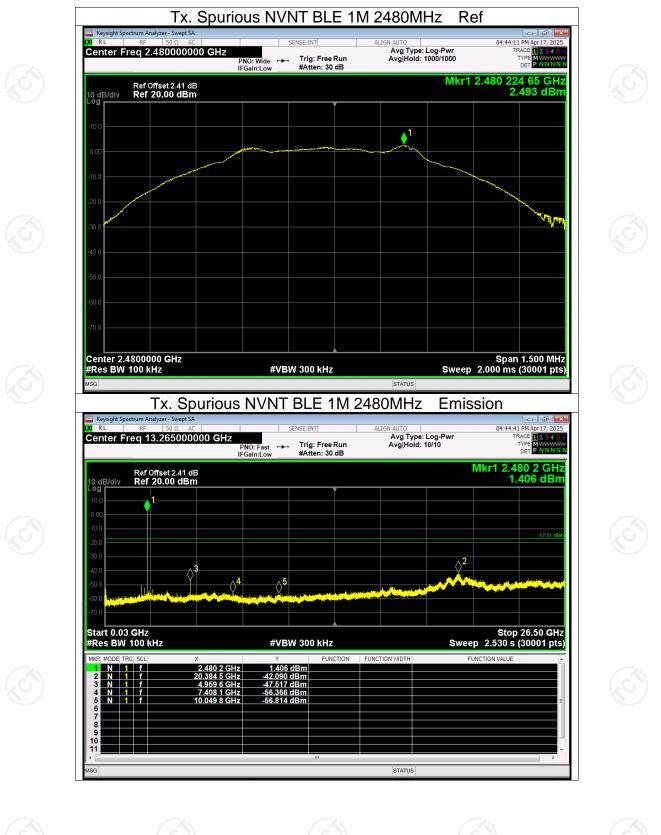
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TCT通测检测 TESTING CENTRE TECHNOLOGY

Report No.: TCT250416E015

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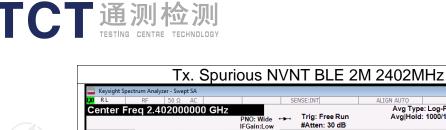


TCT通测检测 TESTING CENTRE TECHNOLOGY

Report No.: TCT250416E015

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Center 2.402000 GHz #Res BW 100 kHz

Analyzer - Swept S

Center Freg 13.265000000 GHz

Ref Offset 2.19 dB Ref 20.00 dBm

∂³

Keysight Sp

10 dB/div Log **r**

U RL

10 dB/div Loa

Ref Offset 2.19 dB Ref 20.00 dBm

Report No.: TCT250416E015

04:48:03 PM Apr 17, 2025 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N

Mkr1 2.401 967 7 GHz 1.316 dBm

Ref

Avg Type: Log-Pwr Avg|Hold: 1000/1000

STATUS

Avg Type: Log-Pw Avg|Hold: 10/10

Emission

⊘²

04:48:33 PM Apr 17

TYPE DET

Mkr1 2.402 6 GHz -0.104 dBm

12345 MWWWW PNNNN

Trig: Free Run #Atten: 30 dB

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#VBW 300 kHz

Trig: Free Run #Atten: 30 dB

Tx. Spurious NVNT BLE 2M 2402MHz

PNO: Fast ↔→→ IFGain:Low

♦5

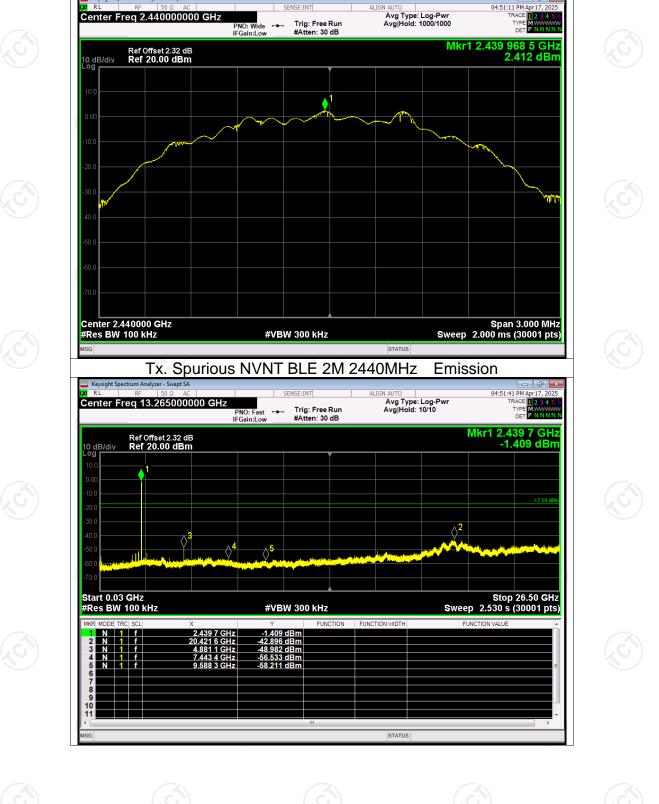
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Span 3.000 MHz Sweep 2.000 ms (30001 pts)

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



Tx. Spurious NVNT BLE 2M 2440MHz

TCT通测检测 TESTING CENTRE TECHNOLOGY

🔤 Keysight S

Center Freg 2.440000000 GHz

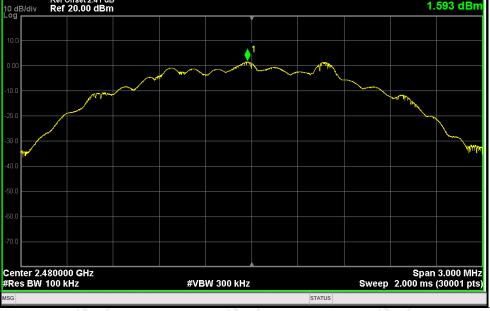
KI RL

Report No.: TCT250416E015

Ref

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Tx. Spurious NVNT BLE 2M 2480MHz

PNO: Wide IFGain:Low

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Trig: Free Run #Atten: 30 dB

TCT通测检测 TESTING CENTRE TECHNOLOGY

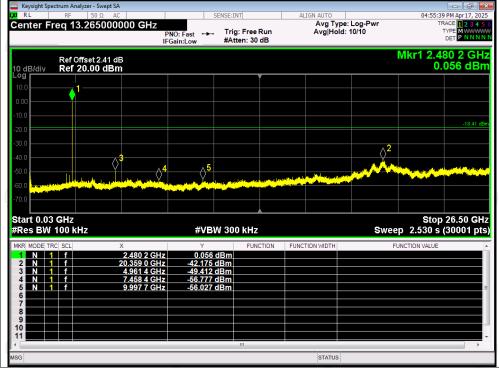
🔤 Keysight S

Center Freg 2.480000000 GHz

Ref Offset 2.41 dB Ref 20.00 dBm

KI RL

Tx. Spurious NVNT BLE 2M 2480MHz Emission



Report No.: TCT250416E015

04:55:09 PM Apr 17, 2025 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N

Mkr1 2.479 970 8 GHz 1.593 dBm

Ref

Avg Type: Log-Pwr Avg|Hold: 1000/1000

