



WSIT

WSCT

WSLT



W5CT

TEST REPORT

W5CT

WSEI

WSLT

WSET

FCC ID: 2AXYP-OSW-831N

IW5E

Product: Smart Watch

Model No.: OSW-831N

W5E

Trade Mark: oraimo

Report No.: WSCT-ANAB-R&E240800040A-BT

Issued Date: 05 September 2024

W5CT

WSLT

Issued for:

W5 CI

W5 €

ORAIMO TECHNOLOGY LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

WSCT

Issued By:

W5E

World Standardization Certification & Testing Group(Shenzhen) Co., Ltd. Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China.

TEL: +86-755-26996192

FAX: +86-755-86376605

WSIT

W5 E

Note: This report shall not be reproduced except in full, without the written approval of World

Standardization Certification & Testing Group (Shenzhen) Co., Ltd This document may be altered or revised by World Standardization Certification & Testing Group (Shenzhen) Co., Ltd. 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.

MSET

WS CT

W5 C1

WSLT

EL -00M-755-20894/92 23098051,25050/41 FAX: 0089-755-80376/05

Page 1 of 75

深圳地称被雪块加到数有高公司







Report No.: WSCT-ANAB-R&E240800040A-BT

TABLE OF CONTENTS

WSET

_	/	Test Certification 3
X	2.	Test Result Summary4
_	3	EUT Description5
WSL	_	
	4.	Genera Information7
		4.1. TEST ENVIRONMENT AND MODE
	1	
X	5.	Facilities and Accreditations9
/	1	5.1. FACILITIES
WSE		5.2. ACCREDITATIONS
		5.3. MEASUREMENT UNCERTAINTY
		5.4. MEASUREMENT INSTRUMENTS11
	6.	Test Results and Measurement Data 12
		6.1. ANTENNA REQUIREMENT
		6.2. CONDUCTED EMISSION
W5 L		6.3. CONDUCTED OUTPUT POWER
		6.4. 20DB OCCUPY BANDWIDTH
		6.5. CARRIER FREQUENCIES SEPARATION
	/	6.6. HOPPING CHANNEL NUMBER
		6.7. DWELL TIME
X		6.8. PSEUDORANDOM FREQUENCY HOPPING SEQUENCE
WSI	-	6.9. CONDUCTED BAND EDGE MEASUREMENT
		6.11. RADIATED SPURIOUS EMISSION MEASUREMENT
	7.	Test Setup Photographs75

WSLT WSL

W5 ET

WSE

WSI WSI WSI



WSGT

et, Bao'an District, Shenzhen City, Guangoong Province, China.

深圳世标检测认证股份有限公司





WSCT

Test Certification

Product:

Smart Watch

WSCT

WIST

Model No .:

OSW-831N

WSET'

W5CT

Additional Model:

oraimo

WSET

Applicant:

ORAIMO TECHNOLOGY LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25

SHAN MEI STREET FOTAN NT HONGKONG

ORAIMO TECHNOLOGY LIMITED

Manufacturer:

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25

SHAN MEI STREET FOTAN NT HONGKONG

Date of receipt:

19 August 2024

Date of Test:

20 August 2024 ~ 04 September 2024

W5E IW5L

Applicable Standards:

FCC CFR Title 47 Part 15 Subpart C Section 15,247

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen)Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

WSIT

WSIT

WSE

Tested By:

Checked By:

(Wang Xiang)

(Qin Shuiquan)

W5 CT Approved By: W5 C

Date: 7 5

(Li Huaibi)

WS C

W5 ET

深圳世特福海达亚股份有限公司

Page 3 of 75



NS CT

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.





W5E

Report No.: WSCT-ANAB-R&E240800040A-BT

Test Result Summary 2.

	Arrest Arrest	The same of the sa	ATTENDED !
1	Requirement	CFR 47 Section	Result
	Antenna Requirement	§15.203/§15.247 (c)	PASS
ì	AC Power Line Conducted Emission	§15.207	N/AWS CT
,	Maximum conducted output power	§15.247 (b)(1) §2.1046	PASS
1	20dB Occupied Bandwidth	§15.247 (a)(1) §2.1049	PASS
	Carrier Frequencies Separation	§15.247 (a)(1)	PASS
	Hopping Channel Number	§15.247 (a)(1)	PASS
7	Dwell Time	§15.247 (a)(1)	PASS
1	Radiated Emission	§15.205/§15.209 §2.1053, §2.1057	PASS
	Band Edge	§15.247(d) §2.1051, §2.1057	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.



WS C

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.





Report No.: WSCT-ANAB-R&E240800040A-BT

3. EUT Description

	Product Name:	Smart Watch	VSET
/	Model :	OSW-831N	
	Trade Mark:	oraimo	
7	Software version:	V1.0	
	Hardware version:	T5270.v3.0	X
	Frequency Range:	2402-2480MHz(TX/RX)	V5 CT
/	Channel Separation:	1MHz	
\	Number of Channel:	79	
/	Modulation Type:	GFSK, π/4-DQPSK, 8-DPSK	
	Antenna Type	Wire Antenna	\times
7	Antenna Gain:	-0.91dBi	WSLT
7	Operating Voltage	Rechargeable Li-ion Polymer Battery: ZWD402226V Rated Voltage: 3.8V Typical Capacity: 20mAh/0.988Wh	
	Remark:	N/A.	
		^ ^	_

Note: 1. N/A stands for no applicable.

2. Antenna gain provided by the applicant

WSET

WSCT WSCT WSCT WSCT

WSCT WSCT WSCT WSCT WSCT

WSGT WSGT WSGT WSGT

WSET WSET WSET

WSET

an Street, Bao'an District, Shenzhen City, Guangoong Province, China.

E-mail: fengbing wang 2wact-cert.com

Http://www.wact-cert.com

深圳世标检测认证股份有限公司 World Standard fullon Certifications Testing Group! S

W5 CT

ember of the WSCT Group (WSCT SA)

Page 5 of 75





Report No.: WSCT-ANAB-R&E240800040A-BT

Operation Frequency each of channel for GFSK, $\pi/4$ -DQPSK, 8DPSK

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
WO:	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
	X		X		X		X
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
X		- X		X		X	
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
v19	2421MHz	39	2441MHz	59	2461MHz	WSE	

Remark: Channel 0, 39 &78 have been tested for GFSK, π/4-DQPSK, 8DPSK modulation mode.

				didilon mode.	mode
	WSCT	WSLT	WSET	WSET	WSCT
7751418	WSTEE	STATE N		\times	
CHECK .	WSIE	WSET	Wife	WST	WEIGE
WSIST	WSET	\times		\times	
	WSEE	WSITE	WEIGE	WSIE	William
WSIII	WSTEE	\times		\times	
	WSEE	WSLEE	WFIE	WSIE	Wiston
na Tosting C	X	\times	$\langle $	\times	
Group (Shenzho	18	X	X	X	X

tember of the WSCT Group (WSCT BA)

Page 6 of 75



MSCI

World Standardization Certification & Testing Group (Shenzhen) Co., ltd.





Report No.: WSCT-ANAB-R&E240800040A-BT

4. Genera Information

4.1. Test environment and mode

	Operating Environment:		
\	Temperature:	25.0 °C	
d	Humidity:	56 % RH	-
	Atmospheric Pressure:	1010 mbar	\rangle
	Test Mode:		W5
1	Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations with Fully-charged battery	
	/ VATUE / VATUE		

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 are shown in Test Results of the following pages.

VSCI WSCI

Park. No.58 and 50. Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guang ong Province, China. B6144 FAX: 0086-786-88378605 E-mail: tengbing wang @wact-cert.com Hitp: www.wact-cert.com

深圳世禄检测从近股份有限公司
World Standardy fatton Ceptification & Testing Group (Shenzhen) Co., Lit







Report No.: WSCT-ANAB-R&E240800040A-BT

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
			/\	1	1
7	Adapter	U180IED	W5 JT	, W	790

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, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, 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.

WSG	WSET	WSCT	WSET	WSGT	
WS	WS	WS		ET IN	597
WSET	WHE	Wife	WSITE	WSITE	
WES	$\langle \ \rangle$	$\langle \ \rangle$			501
WSIA	WSLT	WSET	WSITE	WSG	
WS	$\langle \ \rangle$	$\langle \ \rangle$	$\langle \ \rangle$		
				\\\ \s\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	To Croup!

Page 8 of 75







Report No.: WSCT-ANAB-R&E240800040A-BT

5. Facilities and Accreditations

5.1. Facilities

All measurement facilities used to collect the measurement data are located at

World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2. ACCREDITATIONS

CNAS - Registration Number: L3732

China National Accreditation Service for Conformity Assessment, The test firm Registration

Number: L3732

FCC - Designation Number: CN1303

World Standardization Certification & Testing Group(Shenzhen) CO., LTD. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Designation Number: CN1303.

ANAB - Certificate Number: AT-3951

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (ANAB). Certification Number: AT-3951

	WSLT	WSLT	WSET	WSET	WSET
\geq	\geq	$\langle \ \ $	\leq	\times	\times
WSG	WS	WS	W.	STEEL W.	STT.
	WEIT	WHITE	WHITE	WSET	WSITE
WEG	WS	W.S	ET W	STEEL WE	Ser
	X	X	X	X	X

DD: Building A-B,Babil'an industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Steet, Bao'an District, Shenzhen City, Guangdong Province, China EL: 0038-755-28996192-28996083-28996144 FAX: 0088-785-86376605 E-mail: fengbing.wang@wacd-cert.com Http://www.wsct-cert.com

AND A THE WAY TO SHE IN AND THE



NS CT

World Standardization Certification & Testing Group (Shenzhen) Co., ltd.





Report No.: WSCT-ANAB-R&E240800040A-BT

5.3. 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 %.

W5C

	No.	Item	MU
ì	1	Conducted Emission Test w 5 . T	±3.2dB
	2	RF power, conducted	±0.16dB
	3	Spurious emissions, conducted	±0.21dB
7	4	All emissions, radiated(<1GHz)	±4.7dB
	5	All emissions, radiated(>1GHz)	±4.7dB
	6	Temperature W5.77 W5.77	±0.5°C/5
	7	Humidity	±2.0%

	7 Humidity	X	X	±2.0%	$\perp X$
	WSIST	WSET	WSGT	WSLT	WSET
WEIG	WSIS	Will	WSL	WSEI	
	WSIATE	WSLI	WSLI	WSIST	WSIII
Wister	\times	\times	$\langle \ \rangle$	\times	
	WSLI	WSET	WSG	Wister	WESTER
Wista	\times	\times	$\langle \ \rangle$	\times	
	WSTATE	WSITE	WELLS	X	ope Testing o
X	X	X	X	18	S.C.T. S.C.T.

ADD: Building A-B, Baoli an Industrial Park, No.58 and 60, Tangtou Avenue, Shiyan Stafet, Bao'an District, Shenzhen City, Guanggong Province, China FEL: 0086-755-26996192 26996053 26996144 FAX: 0086-786-86376605 E-mail: fengbing wang @wacl-cert.com Http://www.wact-cert.com

※ 深圳世标権測认近設份有限公司 World Standardsfation Certifications Testing Group! Shenshenico.





WSET



Report No.: WSCT-ANAB-R&E240800040A-BT

5.4. MEASUREMENT INSTRUMENTS

							,
	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.	į
(Test software	< -	EZ-EMC	CON-03A	-	X	
	Test software		MTS8310	THE STATE OF THE S	- 4	232	
•	EMI Test Receiver	R&S	ESCI	100005	11/05/2023	11/04/2024	
	LISN	AFJ	LS16	16010222119	11/05/2023	11/04/2024	,
	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2023	11/04/2024	7
(Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2023	11/04/2024	
į	Coaxial cable	Megalon	LMR400	N/A	11/05/2023	11/04/2024	
	GPIB cable	Megalon	GPIB	N/A	11/05/2023	11/04/2024	١
	Spectrum Analyzer	R&S	FSU	100114	11/05/2023	11/04/2024	þ
	Pre Amplifier	H.P.	HP8447E	2945A02715	11/05/2023	11/04/2024	7
/	Pre-Amplifier	CDSI	PAP-1G18-38		11/05/2023	11/04/2024	
\	Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2023	7/28/2024	
Ž	9*6*6 Anechoic	ET 1	TS CT	WSET	11/05/2023	11/04/2024	L
	Horn Antenna	COMPLIANCE ENGINEERING	CE18000	-	11/05/2023	11/04/2024	
	Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	11/05/2023	11/04/2024	ĺ
,	Cable	TIME MICROWAVE	LMR-400	N-TYPE04	11/05/2023	11/04/2024	ľ
	System-Controller	ccs	N/A	N/A	N.C.R	N.C.R	
,	Turn Table	ccs	N/A	N/A	N.C.R	N.C.R	
	Antenna Tower	ccs	N/A	N/A	N.C.R	N.C.R	ļ
	RF cable	Murata	MXHQ87WA300 0		11/05/2023	11/04/2024	/
	Loop Antenna	EMCO	6502	00042960	11/05/2023	11/04/2024	Z
1	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2023	11/04/2024	
1	Power meter	Anritsu	ML2487A	6K00003613	11/05/2023	11/04/2024	
Ż	Power sensor	Anritsu	MX248XD	WSET	11/05/2023	11/04/2024	
	Spectrum Analyzer	Keysight	N9010B	MY60241089	11/05/2023	11/04/2024	
					/		d



Page 11 of 75







Test Results and Measurement Data 6.

6.1. Antenna requirement

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

Standard 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. 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 a Wire Antenna. it meets the standards, and the best case gain of the antenna is -0.91dBi.



WSET





Report No.: WSCT-ANAB-R&E240800040A-BT

6.2. **Conducted Emission**

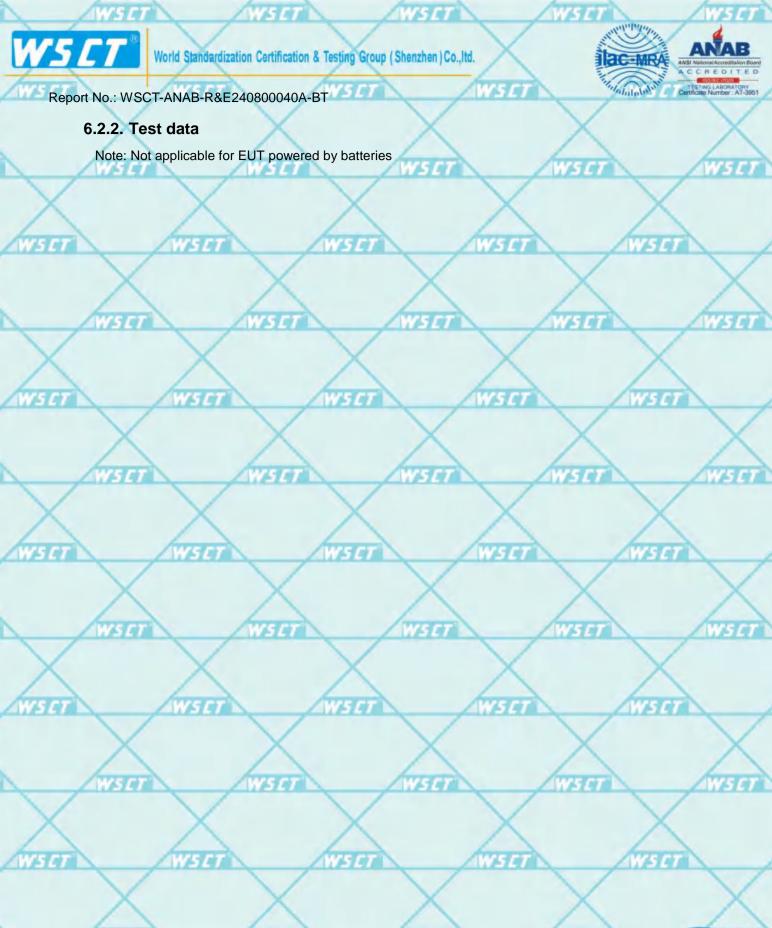
6.2.1. Test Specification

100	Marie .		
	EI	50	
			$\overline{}$

Test Require	ement:	FCC Part15 C Section 15.207					
Test Method	SIT	ANSI C63.10:2014	WSG	WSEE			
Frequency F	Range:	150 kHz to 30 MHz		/			
Receiver set	tup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto			
WSLI	/W54	76788	/WA				
		Frequency range	Limit (d	BuV)			
	X	(MHz)	Quasi-peak	Average			
Limits:		0.15-0.5	66 to 56*	56 to 46*			
X	77.3.4	0.5-5 56 46					
	WSET	5-30	60	50			
		3-30	00	30			
X		Reference Plane					
		LISN					
WSCT	WSI	40cm 80cm					
		Filter AC namer					
	X	E.U.T AC power	Filter	— AC power			
		E.U.T AC power	<u> </u>				
Test Setup:	Veler	EMI					
	I C L T B	Test table/Insulation plane					
		rest table/insulation plane					
X	X	Remarks					
		E.U.T: Equipment Under Test					
WSET	WSE	LISN: Line Impedence Stabilization Ne Test table height=0.8m	twork	/			
Test Mode:	X	Refer to item 4.1	X	X			
100111104101							
	WSET	1. The E.U.T is connect					
		impedance stabiliz		'			
V	X	provides a 50ohm/5		pedance for the			
		measuring equipmer	nt.				
1	house	2. The peripheral devic	es are also conne	cted to the main			
11111	1111	power through a LISN that provides a 50ohm/50uH					
		coupling impedance with 50ohm termination. (Please					
Test Proced	ure:	refer to the block diagram of the test setup and					
		photographs).					
	VSET	TOTAL CONTRACTOR OF THE CONTRA					
		3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum					
X	V						
	\wedge	emission, the relative					
(man)	house	the interface cables	must be changed	according to			
WSET	WSE	ANSI C63.10:2014 o	n conducted mea	surement.			
	\/			100			

N/A

Test Result:



ZWEIGH

WSLT

WSLT

WSLT

WSCT OLD SHEET OF THE PROPERTY OF THE PROPERTY

WS ET WS ET

1219

DD: Building A-B.Babi'an Industrial Park, No.58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangodog Province, Chi EL: 0038-755-28996192 28996053 28996144 FAX: 0086-755-88376805 E-mail: tengbing wang gwaci-cert.com Http://www.wact-cert.co

深圳世标检测认证股份有限公司 World Standard Fallon Certifications Testing Groups Shenzhens Co., Lic



WS CT

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.



WSCT



WSET

Report No.: WSCT-ANAB-R&E240800040A-BT

6.3. Conducted Output Power

6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)				
Test Method:	ANSI C63.10:2014	-			
Limit:	Section 15.247 (b) The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.	172			
Test Setup:	Spectrum Analyzer EUT				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	Use the following spectrum analyzer settings: Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel RBW > the 20 dB bandwidth of the emission being measured VBW ≥ RBW Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission.				
Test Result:	PASS	/			

WSLT

WSCT WSCT WSCT WSCT

WSET

WSET WSET



WSLT

SET WSE

Set, Bao'an District, Shenzhen City, Guangdong Province, China.

E-mail: fengbing.wang@wscl-cert.com Http://www.wsct-cert.com

深圳世标绘測认证股份有限公司 World Standard pation Certification & Testing Group! Shenzhen! Co.,







W5E)

Report No.: WSCT-ANAB-R&E240800040A-BT

6.3.2. Test Data

	GFSK mode					
	Test channel	Maximum conducted output power (dBm)	Limit (dBm)	Result		
	Lowest 9.15 Middle 9.47		20.97	PASS		
1			20.97	PASS		
	Highest	9.05	20.97	PASS		

-	Pi/4DQPSK mode					
	Test channel Maximum conducted output power (dBm) Limit (dBm) Result					
Ì	Lowest	9.45	20.97	PASS		
	Middle 9.9		20.97	PASS		
	Highest	9.45	20.97	PASS		

	8DPSK mode					
Test channel Maximum conducted output power (dBm) Limit (dBm) Result						
	Lowest	9.09	20.97	PASS		
	Middle	9.23	20.97	PASS		
	Highest 9.93		20.97	PASS		

WSET	WSET	WSCT	WSET	WSCI

WSET	WSET	WSET	WSCT	WSET

	_				
COLUMN TO SE		TAPE PER	WST	A STATE OF THE PARTY OF THE PAR	A STATE OF THE PARTY OF THE PAR
WSL		W-57-7	/ I P 1 7 8 1	/W-F-F-II	WSLT

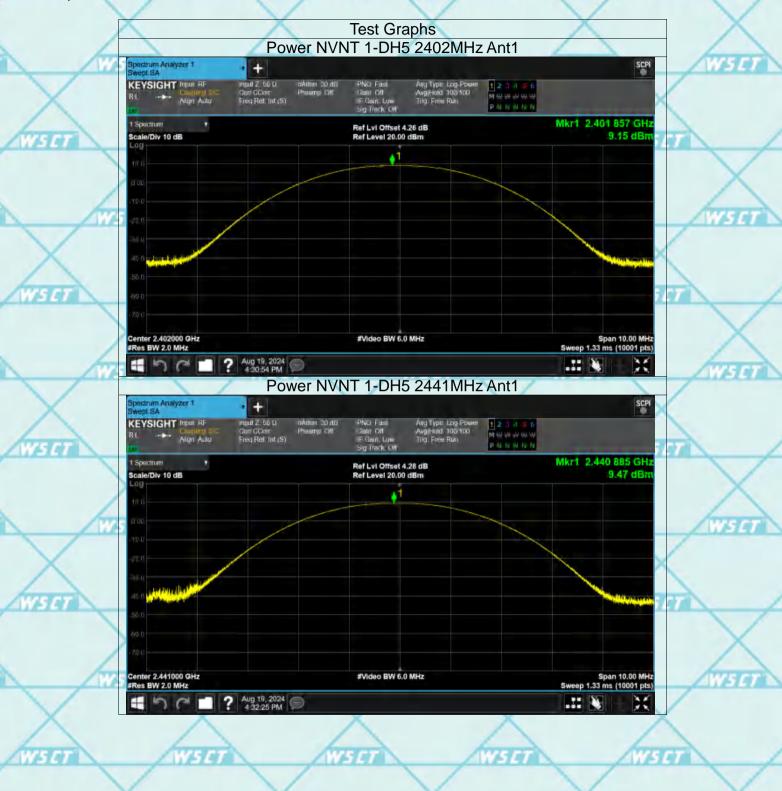
WSET	WSG	WSLT	WSET



Page 16 of 75









tions Tes









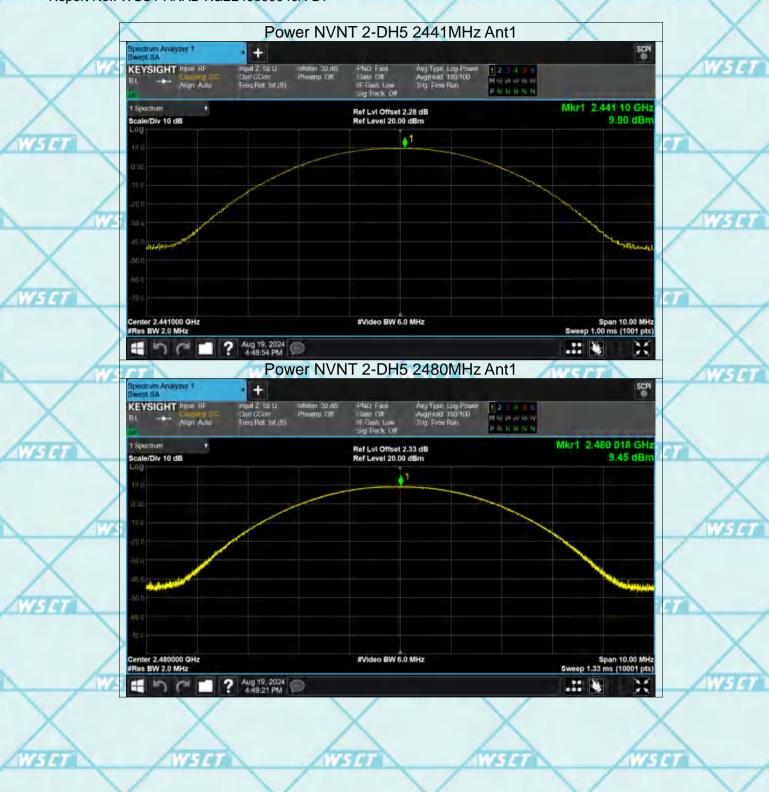


TEL: 0088-755-26996192 26996053 20996144







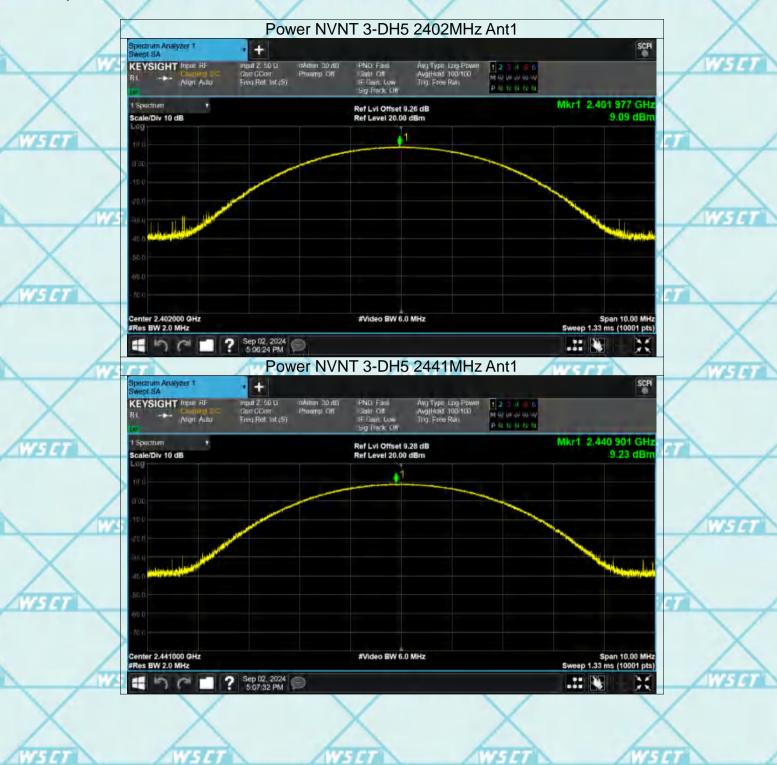


tions Test

TEL: 0088-755-26996192 26996053 20996144









TEL: 0088-755-28996192 26996083 26996144





W5CT

ANSI National Accreditation Board
A C C R E D I T E D

STESTING LABORATORY

Report No.: WSCT-ANAB-R&E240800040A-BT

ware ware ware

WE198 WE198 WE198

WSCT WSCT WSCT WSCT

WSCT WSCT WSCT WSCT WSCT

WST WST WST WST WST

WSET WSET WSET

DD: Building A-B,Baoli'an Inqustrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shanzhen City, Guangodog Province, China

nai 深圳世际检测从证股份有限公司 No.M 等 Pi

ber of the WSCT Greup (WSCT FA)

Http://www.wsct-cert.com/ World Standard fation Certification& Testing Group Shenzhen C



WSET

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.





Report No.: WSCT-ANAB-R&E240800040A-BT

6.4. 20dB Occupy Bandwidth

6.4.1. Test Specification

6.4.1. Test Specification		_
Test Requirement:	FCC Part15 C Section 15.247 (a)(1)	
Test Method:	ANSI C63.10:2014	
Limit:	N/A	5
Test Setup:	Spectrum Analyzer EUT	23
Test Mode:	Transmitting mode with modulation	
Test Procedure:	 The testing follows ANSI C63.10:2014 Measurement Guidelines. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel; 1%≤ RBW≤5% of the 20 dB bandwidth; VBW≥3RBW; Sweep = auto; Detector function = peak; Trace = max hold. Measure and record the results in the test report. 	> ZI
Test Result:	PASS	(

	WSET	WSET	WSET	WSET	WSET
\/				/	
X	X			X	X
		\	A 4		
ZWSLT	1865	7 / 195	ET W	79	VSCT

WSET

WSET

WSLT

W5ET



WSET WSE

n Street, Bao'an District, Shenzhen City, Guangoong Province, China



WSET



Report No.: WSCT-ANAB-R&E240800040A-BT

6.4.2. Test data

•						
_	Test channel	20dB Occupy Bandwidth (MHz)				
٩	rest charmer	GFSK	π/4-DQPSK	8DPSK	Conclusion	
	Lowest	0.953.3	1.364	1.347	PASS	
	Middle	0.958.2	1.364	1.348	PASS	
/	Highest	0.954.9	1.365	1.348	PASS	

	riigilest	0.004.0	1.000	1.040	17100	
Test p	lots as follows:	WSET	WSIET	/WE	H	WSGT
X	\times	\rightarrow		X	X	
WSCT	WSEE	W/50		WSET	WSET	
W		WSTEE	William	W		WSITE
X				X	X	Zielda
WSET	WSET	W50		WSET	WSGI	
1175		WSET	WSGT		TT .	WSET
WSET	WELL	WH		WSIFI	Wister	
NV.		WST4T	WHEE		111	WSLI
WSGT	WSLT	WSI		WSIE	Wister	
NV.5		WSTEE	WHAT			tions Teams
X	X			X		/SET

DD: Building A-B, Babli'an Industrial Park, No.58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoong Province, China. EL: 0086-755-26995182 26995053 2695054 FAX: 0086-755-86376605 E-mail: fengbing wang@wscl-cert.com Http://www.wsct-cert.com

深圳世标绘测认证股份有限公司

ember of the WSCT Group (WSCT #A)

Page 23 of 75





























vione Tes











None Tes





Report No.: WSCT-ANAB-R&E240800040A-BT

-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1 + inguit Z. 50 G Corr GCorr Freq Rét. Int (S) KEYSIGHT INDUS FIF Mkr3 2,480639000 GHz Ref Lvi Offset 4.33 dB Ref Value 24.33 dBm -16.71 dBm Scale/Div 10.0 dB #Video BW 91,000 kHz Center 2.480000 GHz #Res BW 30.000 kHz Span 2 MHz Sweep 2.67 ms (10001 pts) Occupied Bandwidth 1,2043 MHz 15.4 dBm -35.247 kHz 1,348 MHz 99.00 % -20.00 dB # 5 C 7 Aug 19, 2024 .11

Training Fring From: \$3,3371 MZ No. of DBM Power \$0,000 ft. \$0,000

WSET WSET WS

DD: Building A-B,Babli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoung Prévince, China

「無いできる」 「本のでは、「ものでは、」

Hember of the WSCT Group (WSCT #A)

Page 28 of 75



WSET

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.



WSET



WSET

Report No.: WSCT-ANAB-R&E240800040A-BT

6.5. Carrier Frequencies Separation

6.5.1. Test Specification

	_
FCC Part15 C Section 15.247 (a)(1)	
ANSI C63.10:2014	
Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.	WSCI
Spectrum Analyzer EUT	
Hopping mode	
 The testing follows ANSI C63.10:2014 Measurement Guidelines. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = wide enough to capture the peaks of two adjacent channels; RBW is set to approximately 30% of the channel spacing, adjust as necessary to best identify the center of each individual channel; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Record the value in report. 	WSET
PASS	/
	Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

WSGT WSGT WSGT WSGT WSGT

AWS ET

WSET

WSET

WSET



WS CT WS C

tou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoong Province, China

深圳世标检测认证股份有限公司 World Standard ration Certification & Testing Group! Shenzhen Ca., Li







6.5.2. Test data

GFSK mode				
	Test channel	Carrier Frequencies Separation (MHz)	Limit ((2/3*20dB BW MHz))	Result
	Lowest	0.998	0.025	PASS
	Middle	0.996	0.025	PASS
	Highest	0.998	0.025	PASS

Pi/4 DQPSK mode				
	Test channel	Carrier Frequencies Separation (MHz)	Limit ((2/3*20dB BW MHz))	Result
	Lowest	0.996	0.025	PASS
	Middle	0.998	0.025	PASS
	Highest	0.994	0.025	PASS

		8DPSK m	ode		
ì	Test channel	Carrier Frequencies Separation (MHz)	Limit ((2/3*20dB BW MHz))	Result	
	Lowest	1.176	0.025	PASS	
	Middle	0.996	0.025	PASS	
,	Highest	W5 LT 0.992	0.025	PASS	

Test plots as follows:

4	WSET	WSET	WSET	WSET	WSET

WSIT	WSET	WSCT	WSET	W5CT

ALC: NO PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			ATTACA CANADA	VI 77 - 1 - 1 - 1
WSLT	/ VATHE	/ / / / / / / / / / / / / / / / / / / /	Z 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

WSET	WSET	WSLIT	WSET
		_	

Page 30 of 75









Report No.: WSCT-ANAB-R&E240800040A-BT



4WSET

Mari



DD-Building A-B,Babli'an Industrial Park.No.58 and 60. Tangtou Avenue, Shiyan Stalet, Bao'an District, Shenzhon City, Guang dong Province, China EL. 9086-755-26996182 26996083 26996444 FAX 9086-755-86376606 E-mail: fengbing wang@wscl-cert.com Http. www.wsct-cert.com

深圳世标检测认证股份有限公司 World Standard fallon Certification & Tending Group | Shenzheni Co., Lid



























Page 34 of 75

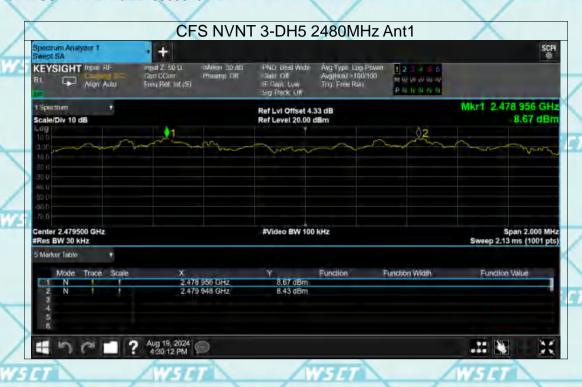


ANSA National Accorditation Board
A C C R E D I T E D

OBJECT TO THE D

TESTING LABORATORY

Report No.: WSCT-ANAB-R&E240800040A-BT



WSCT WSCT WSCT WSCT

WE198 WE198 WE198

WSCT WSCT WSCT WSCT

WSCT WSCT WSCT WSCT WSCT

WSTAT WSTAT WSTAT WSTAT

WSET WSET WSET

DD: Building A-B,Baoli'an inquistrial Park,No.58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoong Province. China,

常期世标检测认证股份有限公司
 World Standards atton Certification & Testing Group! Sherothers Co., LI



WSET

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.



WSCT



WSET

Report No.: WSCT-ANAB-R&E240800040A-BT

6.6. Hopping Channel Number

6.6.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)			
Test Method:	ANSI C63.10:2014			
Limit:	Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.	\times		
Test Setup:	Spectrum Analyzer EUT	WSC		
Test Mode:	Hopping mode			
Test Procedure:	 The testing follows ANSI C63.10:2014 Measurement Guidelines. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = the frequency band of operation; set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. The number of hopping frequency used is defined as the number of total channel. Record the measurement data in report. 	WEIG		
Test Result:	PASS			
Z11037-1-18 Z11037	ATTIVITY ATTIVITY OF	11111111		

WSCT

WSET

WSLT

WSET



WSET

and 60. Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guanggong Province

深圳世标检测认证股份有限公司
World Standard gatton Certification & Testing Group! Shenzhen Co., Li







NS CT

Report No.: WSCT-ANAB-R&E240800040A-BT

Test data

Mode	Hopping channel numbers	Limit	Result
GFSK, P/4-DQPSK, 8DPSK	79	15	PASS

Test plots as follows:

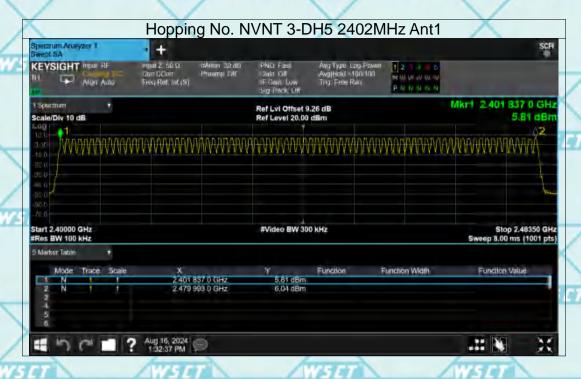






WSCT

Report No.: WSCT-ANAB-R&E240800040A-BT



WSCT	WSET	WSGT	WASTER	WSTT
				التساول الماسال الماسال المساور

WSET	WSET	WSET	WSET	WSET

WSCT	WSET	WSET	WSET	WSET

|--|

WIST	WSTT	WSTT	W.S.	W.S.F.F

WSLT	A STATE OF THE PARTY OF THE PAR		
/ LATE !!	V	WSET	WSET

Page 38 of 75



W5 CT

lac MRA

W5C



Report No.: WSCT-ANAB-R&E240800040A-BT

6.7. Dwell Time

6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2014
Limit:	The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Hopping mode ws
Test Procedure:	 The testing follows ANSI C63.10:2014 Measurement Guidelines. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected dwell time per channel; VBW≥RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold. Measure and record the results in the test report.
Test Result: PASS	

WS ET

WSET

WSET

WSET



WSET

190 / 1919

E-mail: fenghing wang@wacl-cert.cum Http://www.wact-cert.com

| 深圳世標検測认近股份有限公司 | World Standard farion Certification & Testing Group! Shenchen, Co., Lit.





Report No.: WSCT-ANAB-R&E240800040A-BT

6.7.2. Test Data

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2402	0.386	123.134	319	31600	400	Pass
1-DH1	2441	0.386	122.362	317	31600	400	Pass
1-DH1	2480	0.386	122.748	318	31600	400	Pass
1-DH3	2402	1.642	259.436	158	31600	400	Pass
1-DH3	2441	1.642	252.868	154	31600	400	Pass
1-DH3	2480	1.642	264.362	161	31600	400	Pass
1-DH5	2402	2.89	315.01	109	31600	400	Pass
1-DH5	2441	2.89	297.67	103	31600	400	Pass
1-DH5	2480	2.89	338.13	117	31600	400	Pass

Note: 1. In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels.

For DH1, With channel hopping rate (1600 / 2 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to $(1600 / 2 / 79) \times (0.4 \times 79) = 320$ hops

For DH3, With channel hopping rate (1600 / 4 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to $(1600 / 4 / 79) \times (0.4 \times 79) = 160$ hops

For DH5, With channel hopping rate (1600/6/79) in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600/6/79) \times (0.4 \times 79) = 106.67$ hops

2. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

Test plots as follows:

WSLT	WSET	WSGI	WSLIT	WSET	
WH		$\langle \ \rangle$		X	WSIGI
William	WHITE	WSET	WSEE	WSEE	
WSI				X	WSIG
WSITE	WSUT	WSLI	WSEE	WSG	
\rightarrow				X	X

WS CT WS CT WS C

an District, Shenzhen City, Guangdong Province, China

深圳世标检测认证股份有限公司 World Standard Fatton Certification & Testing Group! Shenzhen Co., Li

. 9088-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@waci-cert.com Http://www

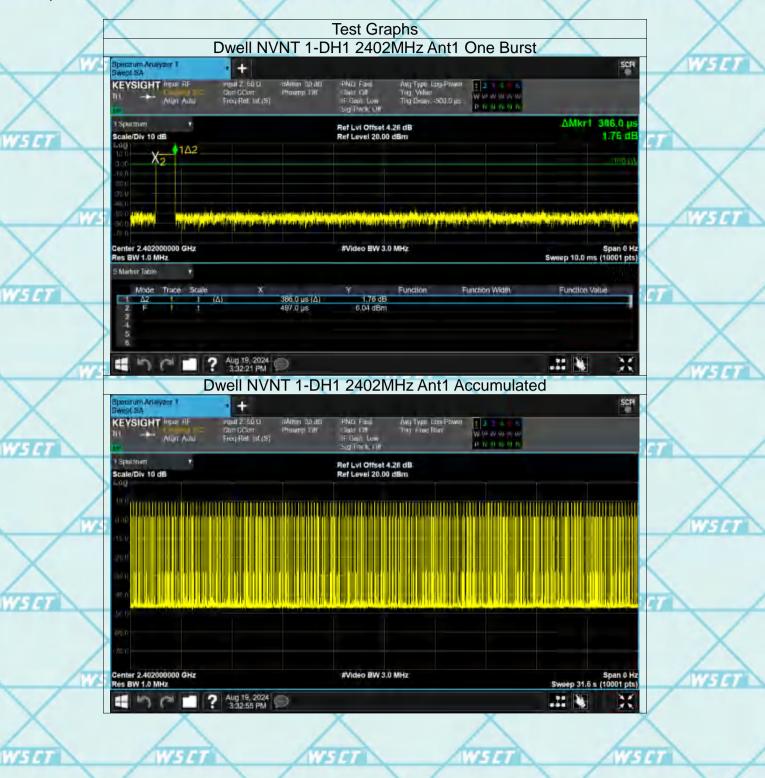
Member of the WSCT Group (WSCT #A)







Report No.: WSCT-ANAB-R&E240800040A-BT



WSLT

WSET

WSET

WSET

W-SCT Shear Show Shear Show Shear Show Shear Show Show Shear Show Show Shear Show Show Shear S

WS CT

WSET

411-11-1

et, Bao'an District, Shenzhen City, Guangoong Province, China.

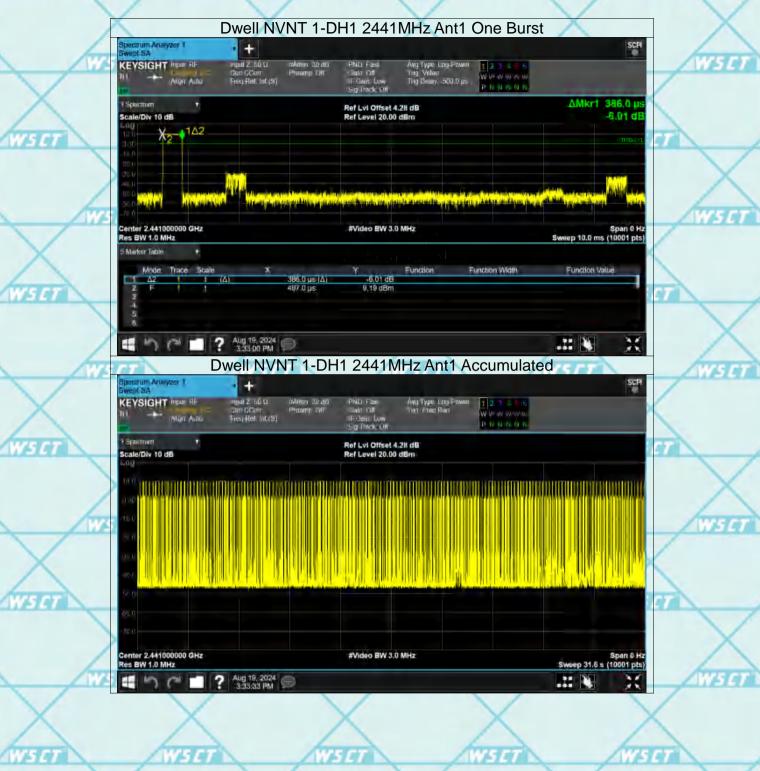
深圳世标检测认证股份有限公司 World Standard ration Certification& Testing Group(She







Report No.: WSCT-ANAB-R&E240800040A-BT



/

4

et, Bao'an District, Shenzhen City, Guangoong Province, China. E-mail: fengbing.wang@wacl-cert.com Http://www.wsct-cert.com

『 深圳世禄检測从延設份有限公司 『 World Standards Julion Ceptification & Testing Group! Shenzhen) Co...

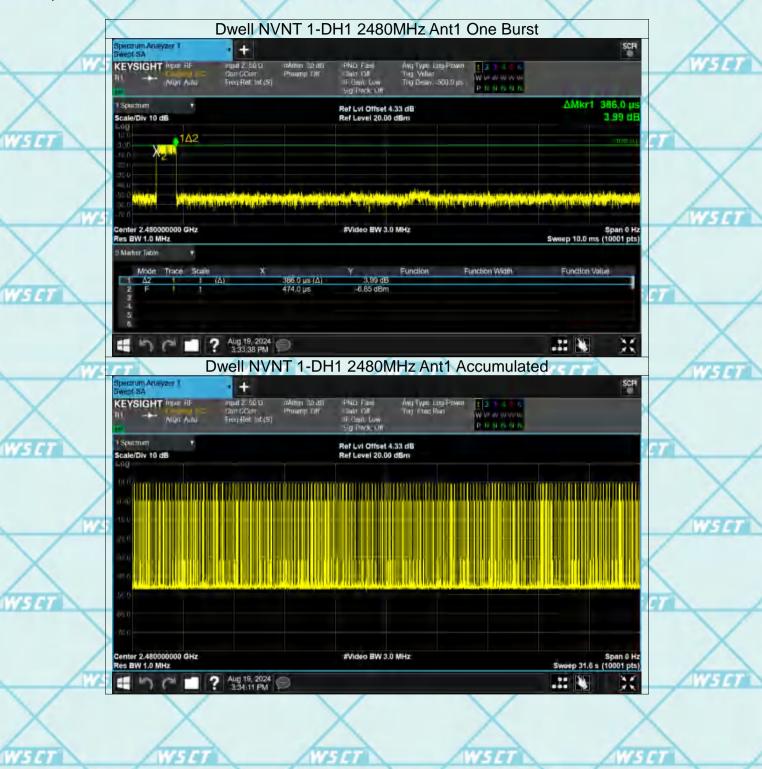
ember of the WSCT Group (WSCT #A)







Report No.: WSCT-ANAB-R&E240800040A-BT



WSLT

WSET

WSCT

WSET

WSET

8 and 60. Tangtou Avenue, Shivan Stavet, Bao'an District, Shenzhen City, Guanggong Province

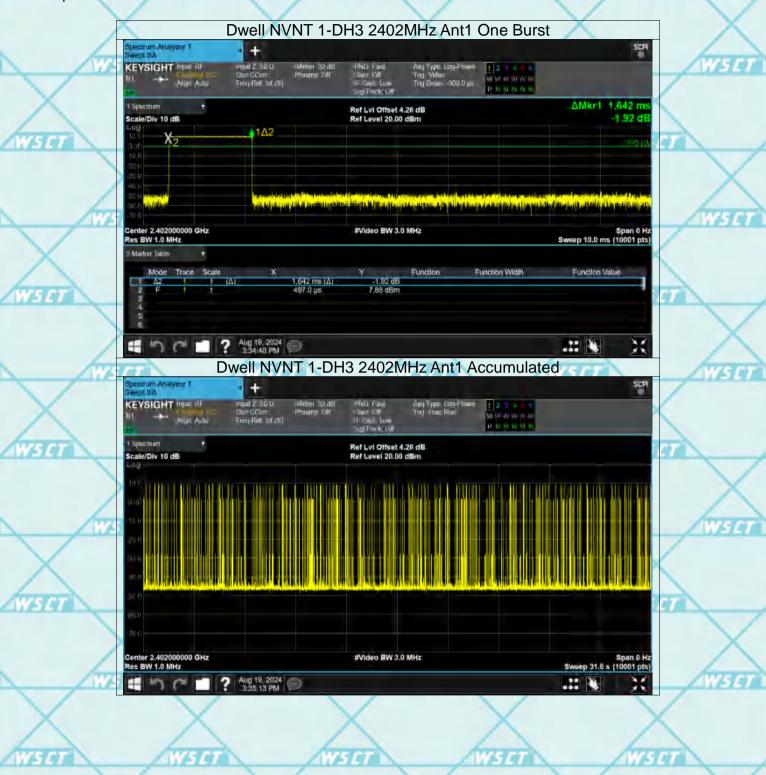
深圳世标检测认证超份有限公司
World Standard ration Certification & Testing Group! Shenzhen Co.







Report No.: WSCT-ANAB-R&E240800040A-BT



WSET

WSET

WSLT

WSET

WSET Short of the state of the

DD: Building A-B,Babil'an Industrial Park. No.58 and 60. Tangtou Avenue, Shiyan Street, Bao'an District, Shanzhen City, Guangdong Province, Chin. EL: 0088-755-25995192 25998053 26998044 FAX: 0086-755-36376605 E-mail: fengbing wang @wasd-cert.com Http://www.wsct-cert.com

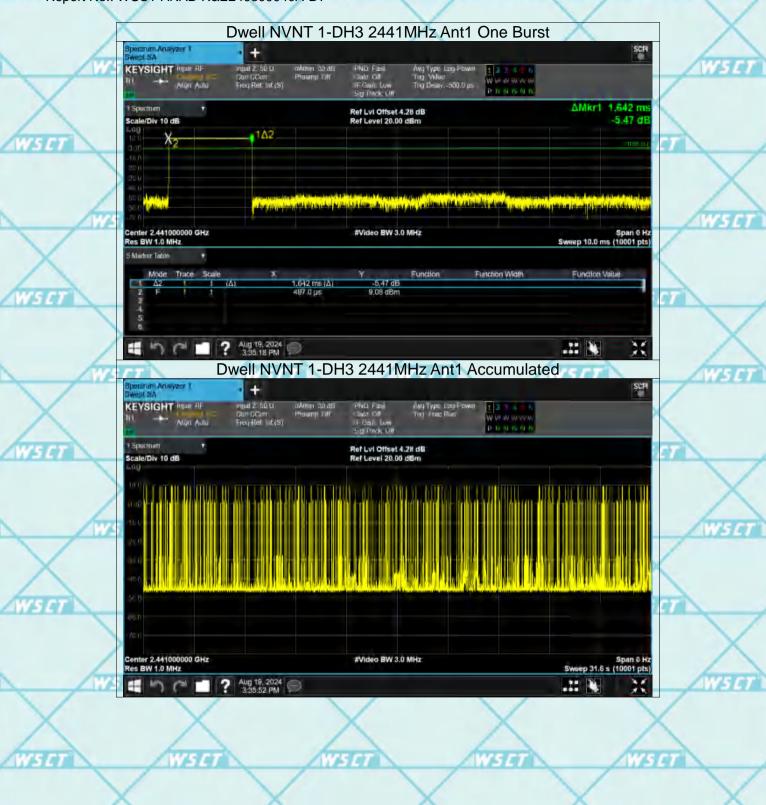
深圳世标检测认证股份有限公司 World Standard fallon Certification & Testing Group! Sherizheni Ca, Lid







Report No.: WSCT-ANAB-R&E240800040A-BT









Report No.: WSCT-ANAB-R&E240800040A-BT



WSET

VSLT WSL

WSET



WS ET WS

treet, Bao'an District, Shenzhen City, Guangoing Province, China.

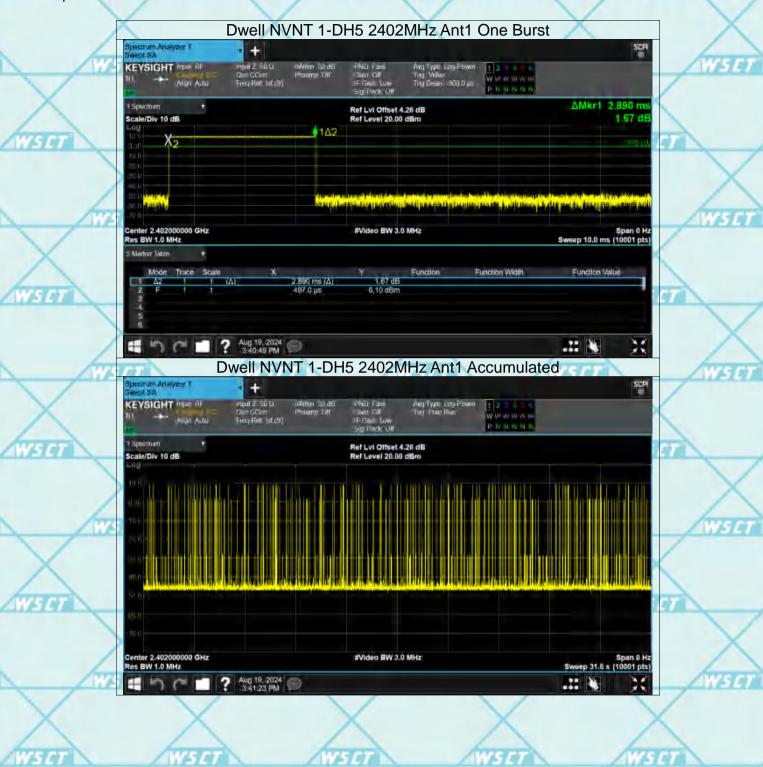
深圳世标检测认证股份有限公司 World Standards failon Certification& Testing Group! Shenzhen! Co., Ltd







Report No.: WSCT-ANAB-R&E240800040A-BT



WS ET

WSET

VSET WSE

W.S.C.T. Shear to the state of the state of

WSET WSE

theat, Bao'an District, Shenzhen City, Guangoong Province, China,
E-mail: fenghing wang Dwscl-cert.com Http://www.wscl-cert.com

world Standard ration Certification & Testing Group! Shenzhen Co., Ltd







Report No.: WSCT-ANAB-R&E240800040A-BT



711-141

E14

W5ET

WSCI WSCI ON SHORE OF THE PROPERTY OF THE PROP

WS CT W

Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guanggong Province, China.

85-66376605 E-mail: tengbing wang Dwact-cert.com Http://www.wact-cert.com

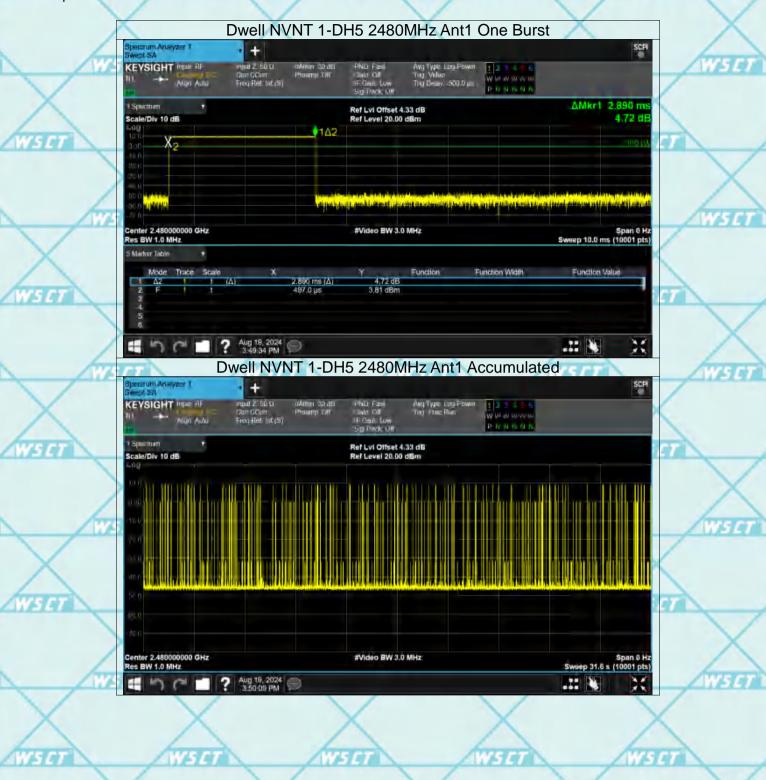
深圳世标检测认证股份有限公司 World Standards fallon Cartification & Testing Group Shenzheni Co., U







Report No.: WSCT-ANAB-R&E240800040A-BT



×

WHAT



DD; Building A-B,Babil'an industrial Park No.58 and 50, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China. EL: 0086-755-26995192 26995053 2696053 2696053 FAX: 0086-755-8637605 E-mail: fengling wang@waci-cert.com Http://www.wsct-cert.com

深圳世标检测认证股份有限公司 World Standard fallon Certification & Tending Group | Shenzheni Co., Lid



ILAC MRA



Report No.: WSCT-ANAB-R&E240800040A-BT

6.8. Pseudorandom Frequency Hopping Sequence

Test Requirement: FCC Part15 C Section 15.247 (a)(1) requirement:

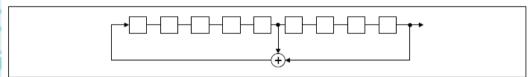
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence

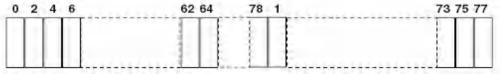
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: 29-1 = 511 bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

WSLT

507

WSET

WSCI STREET OF ONLY OF THE PROPERTY OF THE PRO

DD: Building A-B,Babil'an industrial Park, No.58 and 60, Tangtou Avenue, Shiyan Staret, Bao'an District, Shenzhen City, Guangoong Province, Chin EL: 0038-755-26996192 26996083 29996144 FAX: 0086-755-86376005 E-mail: fengbing wang@waci-cert.com Http://www.wact-cert.com

| 深圳世標検測认近股份有限公司 | World Standard farion Certification & Testing Group! Shenchen, Co., Lit.



WSET

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.



WSC



Report No.: WSCT-ANAB-R&E240800040A-BT

6.9. Conducted Band Edge Measurement

6.9.1. Test Specification

٠.		
	Test Requirement:	FCC Part15 C Section 15.247 (d)
	Test Method:	ANSI C63.10:2014
Limit:		In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.
	Test Setup:	Spectrum Analyzer EUT
	Test Mode:	Transmitting mode with modulation
	Test Procedure:	 The testing follows the guidelines in Band-edge Compliance of RF Conducted Emissions of ANSI C63.10:2014 Measurement Guidelines. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz (≥1% span=10MHz), VBW = 300 kHz (≥RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used. Enable hopping function of the EUT and then repeat step 2 and 3. Measure and record the results in the test report.
	Test Result:	PASS

WSI

WSET

WSET

WSET



WS ET W

and 50.Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoong Prevince, Chi

常期世标检测认证股份有限公司
 World Standards atton Certification & Testing Group! Sherothers Co., LI







Report No.: WSCT-ANAB-R&E240800040A-BT

Test Data









Report No.: WSCT-ANAB-R&E240800040A-BT



(marin)

WSET

WSLT

Guangoing Province, China.

Http://www.west-cert.com

深圳世标检测认证股份有限公司
 World Standards fasting Group

.0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: tengting.wang@wact-cert.com Http://www.wa

tember of the WSCT Group (WSCT #A)



WSET

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.



WSCT

WSET



Report No.: WSCT-ANAB-R&E240800040A-BT

6.10. Conducted Spurious Emission Measurement

6.10.1. Test Specification

	Test Requirement:	FCC Part15 C Section 15.247 (d)
/	Test Method:	ANSI C63.10:2014
	Limit:	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.
1	Test Setup:	Spectrum Analyzer EUT
	Test Mode:	Transmitting mode with modulation
	Test Procedure:	 The testing follows the guidelines in Spurious RF Conducted Emissions of ANSI C63.10:2014 Measurement Guidelines The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
	Test Result:	PASS

WSET WSET WSET WSET

WS ET WS ET

VSET WSET



WS ET W

58 and 50, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoong Province, China





ANSI National Accreditation Board A C C R E D I T E D

Report No.: WSCT-ANAB-R&E240800040A-BT



4W5 LT

WSFI



DD. Building A-B. Babil'an industrial Park. No.58 and 60. Tangtou Avenue, Shiyan Stalet, Bao'an District, Shenzhen City, Guangoong Province, China.

EL. 0086-755-26996192 26996053 26996144 FAX 0086-755-86376605 E-mail: fengbing wang@wacl-cert.com Http://www.wsct-cert.com

深圳世标检测认证超份有限公司
World Standard pration Certification & Testing Group! Shenzhen, Co., Lite
World Standard pration Certification & Testing Group! Shenzhen, Co., Lite







Report No.: WSCT-ANAB-R&E240800040A-BT



WSET

WSET

WSLT

WSLT



WSET

58 and 60. Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoong Province, China.

FAX: 0086-785-86376605 E-mail: fengling wang @wscl-cert.com Hitp: www.wsct-cert.com

深圳世标检测认证股份有限公司
World Standard rulion Certification & Testing Group! Shenzheni Co., Lite







Report No.: WSCT-ANAB-R&E240800040A-BT



Page 57 of 75







Report No.: WSCT-ANAB-R&E240800040A-BT



AWS ET

WSET

WSET

WSET



WSET

58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoong Province, China.

深圳世标检测认证股份有限公司
World Standard ration Certification & Testing Group (Shenzhen) Co







Report No.: WSCT-ANAB-R&E240800040A-BT



AWS ET

WSGT

WSCT

WSET

WSLT WSLT

WS ET WS E

et, Bao'an District, Shenzhen City, Guangoong Province, China.
E-mail: fengbing wang@wsci-cert.com Http://www.wsci-cert.com

World Standard ration Certification & Testing Group; Shenzhen Co., Li







Report No.: WSCT-ANAB-R&E240800040A-BT



4WSET

WSET

WSLT

WSET

WSCT WSCT

DD-Building A-B, Babil'an industrial Park, No.58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangoong Province, China L. 1036-755-2696192 26996053 26996144 FAX 1036-756-36376605 E-mail: fengling wang@waci-cert.com Http://www.wact-cert.com

深圳世标检测认证股份有限公司 World Standard fallon Certification & Testing Group! Sherizheni Ca, Lid







Report No.: WSCT-ANAB-R&E240800040A-BT



WSET

WSET

WSET



WS CT WS

tu Avenue, Shiyan Sheet, Bao'an District, Shenzhen City, Guangdong Province, China. 1786-86376605 E-mail: tengbing.wang@wact-cert.com Http://www.wsct-cert.com

深圳世标检测认证股份有限公司
World Standard ration Certifications Testing Group! Shenzhen, Co., Li







Report No.: WSCT-ANAB-R&E240800040A-BT



WSET

WSET

WSET

WSET

T W 5 E T W 5

.0086-755-26996192 26996053 26996144 FAX -0086-755-36376005 E-mail: tengbing.warrg@wact-cert.com Http://www.wact-ce

深圳世标倫別认证證份有限公司
World Standards pation Certification & Treating Group! Shenzhein Co., i







Report No.: WSCT-ANAB-R&E240800040A-BT



WSET

WSET

WSLT

WSET

WSLT WSLT

W5 CT W5

gtou Avenue, Shiyan Statet, Bao'an District, Shenzhen City, Guangdong Province, China. 86-785-86376605 E-mail: fengbing wang @wacl-cert.com Http://www.wsct-cert.com

深圳世标检测认证股份有限公司 World Standards at all Certification & Testing Group! Shenzhen Co.,



WSET



Report No.: WSCT-ANAB-R&E240800040A-BT

Radiated Spurious Emission Measurement 6.11.

6.11.1. Test Specification

	Test Requirement:	FCC Part15 C Section 15.209							
١	Test Method:	ANSI C63.10:2014							
	Frequency Range:	9 kHz to 25 GHz							
	Measurement Distance:	3 m							
	Antenna Polarization:	Horizontal & Vertical							
		Frequency	Detector	RBW	VBW	Remark			
	X	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value			
		150647	Ougoi pook		20kH-	Ougoi pook Value			

X	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz-	Quasi-peak	9kHz	30kHz	Quasi-peak Value
Receiver Setup:	30MHz		West of	1	William
The case	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	AL 4011	Peak	1MHz	3MHz	Peak Value
	Above 1GHZ	Peak	1MHz	10Hz	Average Value
Receiver Setup.	- I - I - I - I - I - I - I - I - I - I	Peak	1MHz	3MHz	Peak Value

Frequency	Field Strength	Measurement
rrequeries	(microvolts/meter)	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 5 7 7
88-216	150	3
216-960	200	3
Above 960	500	3

		(microvoits/meter)	Distance (meters)
	0.009-0.490	2400/F(KHz)	300
	0.490-1.705	24000/F(KHz)	30
	1.705-30	30	30
WSET	30-88	100	35.7
	88-216	150	3
.imit:	216-960	200	3
	Above 960	500	3

Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector
Above 4011	500	3	Average
Above 1GHz	5000	3	Peak

For radiated emissions below 30MHz

Distance = 3m	Computer
	Pre -Amplifier
EUT	
Turn table	Receiver
Ground Plane	
30MHz to 1GHz	August .

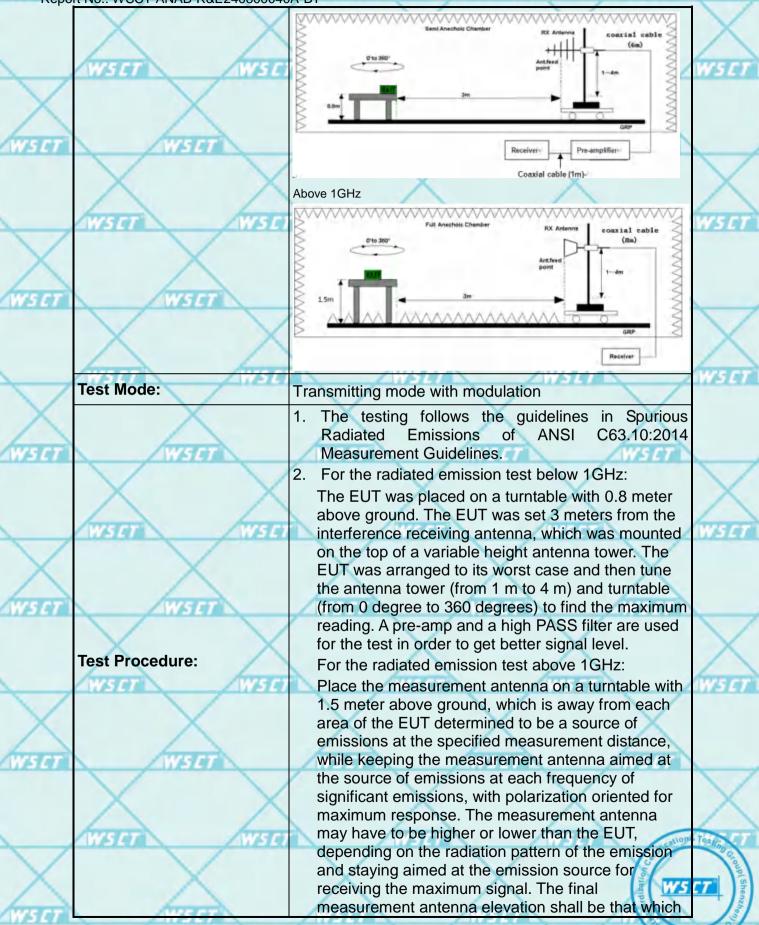
Test setup:

Page 64 of 75





Report No.: WSCT-ANAB-R&E240800040A-BT



DD: Building A-B, Baoli'an Industrial Park, No.58 and 60. Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, Chin EL: 0086-756-8697605 E-mail: fengling wang@wscl-cert.com Http://www.wsct-cert.com

深圳世标绘制从班股份有限公司





Report No.: WSCT-ANAB-R&E240800040	A-BT V5 CT V5 CT Certificate No
WSIE	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.
X	3. Set to the maximum power setting and enable the EUT transmit continuously.4. Use the following spectrum analyzer settings:
WSET	(1) Span shall wide enough to fully capture the emission being measured;
Wille	(2) Set RBW=100 kHz for f < 1 GHz, RBW=1MHz for f>1GHz; VBW≥RBW;
XX	Sweep = auto; Detector function = peak; Trace = max hold for peak (3) For average measurement: use duty cycle
WSET	correction factor method per 15.35(c). Duty cycle = On time/100 milliseconds
WHEN	On time =N1*L1+N2*L2++Nn-1*LNn-1+Nn*Ln Where N1 is number of type 1 pulses, L1 is length of type 1 pulses, etc.
X	Average Emission Level = Peak Emission Level + 20*log(Duty cycle)
WSET WSET	Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

PASS

1	WSITE	WSET	WSG	WSIST	WSET
WSET	Wate				711
	WSITE	WSEE	WSIE	WSIET	WSG
WSIII	WETA				500
	WEIGH	WSITE	WSITE	WSLEE	cations Tooks
			1	/	S. C.

Member of the WSCT Broup (WSCT #A)

Test results:

engbing wang@wacl-cert.com Http://www.wact-o

深圳世标检测认证股份有限公司 World Standard yearon Certification & Testing Group! Shenzhen, Co., Lic





Report No.: WSCT-ANAB-R&E240800040A-BT

6.11.2. Test Data

Please refer to following diagram for individual

W5 67 Below 1GHz 67

WSET

WSET

Horizontal:



WSET

No.	Frequency (MHz)	Reading (dBU/)	Factor (dB/m)	Level (68y//11)	Limite (dBuy/m)	Margin (dB)	Detector
1	71,0492	39.21	-21.37	16.84	40.00	-23. IE	GP
2	73,9998	42.53	-23,65	18.67	40.00	-21,33	QP
3 (165,7771	35.36	-20 06	15.30	43.50	-28.20	QP.
4	262-8955	50.86	-21.54	29,32	45.00	-16.68	Qp
5 '	300.2356	51.37	-20,17	31,20	45.00	-14.80	Ob.
B	722-3588	36.05	-1179	34.26	46.00	-21.74	GP.

WSET

WSET

WSCT

W5C

WSET"

WSLT

WSET

W5 CT

W511

MISIT

AWS ET

WSLT

WSET

WEST

WSCI

WSTT

WSET

W-1-1

2W3L1

DD: Building A-B,Babli'an industrial Park, No.58 and 80 Tangtou Avenue, Shiyan Striet, Bao'an District, Shenzhen Dity, Guangdong Province, Chi EL: 0086-755-28996192 28996053 2996144 FAX: 0086-756-86376605 E-mail: fengling wang@wascl-cert.com Http://www.wasct-cert.com

深圳世标检测认证股份有限公司

阿良公司 Realion& Testing Group(Shenzhen) Co., Li

tember of the WSCT Group (WSCT BA)

Page 67 of 75





Report No.: WSCT-ANAB-R&E240800040A-BT

W5CT

Vertical:



No.	Frequency (MHz)	Reading (dEuV)	Factor IdB/m1	Leyel (cBuV/m)	Limit (dSL//m)	Margin (dB)	Design
T	43 1636	46.15	-18,65	29.30	40.00	-10,70	13P
-2	72.5279	46.5E	-22.75	25.31	40.00	-14.19	OP
3:1	79,6954	50.37	-23,53	26.44	40.00	-13,56	17p
4	121.9301	40.75	-21.45	19.30	43.50	-24.20	ΩP
5	300,3672	47.54	-20.16	27.38	46.00	-18.E2	QP.
5	591,2328	37,39	-14 00	23.37	46.00	-22.63	Ob

Note1:

Freq. = Emission frequency in MHz

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

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

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

Limit (dBµV) = Limit stated in standard

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

//

AWS CT

WITT

WETT

WEST

MINTERS

MICIT

WSLT

WELT

MICIT

WETT

WSET OF STREET

WSET

WSLT

WSLT

The same

44 FAX : 0086-755-86376605 E-mail: fengbing wang @wact-cert.com Http://www.wsct-cert.com Wo

深圳世标检测认证股份有限公司 World Standard ration Certification & Testing Group; Shenzheni Co., Li

ember of the WSCT Group (WSCT #A)

Page 68 of 75





Report No.: WSCT-ANAB-R&E240800040A-BT

Above 1GHz

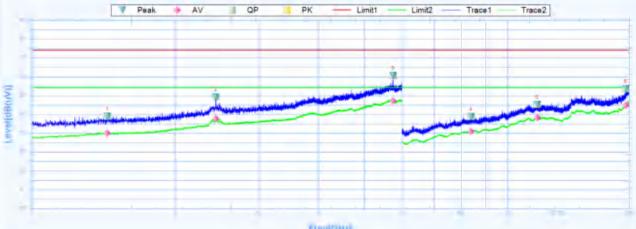
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental

Note 2: The spurious above 18G is noise only, do not show on the report.

GFSK

Low channel: 2402MHz

Horizontal:



Freightig

Suspi	ited Data Lis	t.								,
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB[uV)]	Limit (dB)	Margin [dB]	Deg [*]	Petarity	Trace	Verdict
1	1440.6250	39.06	-0.4	39.46	74	-34.94	241.8	Horizontal	PK	Pass
1	1440.6250	29.94	-04	30.34	54	-24.06	241.8	Horizontal	AV	Pass
2	2436 8750	49.29	7.7	41.59	74	-24.71	113.9	Horizontal	PK	Pass
2	2436.8750	37.7	7.7	30	54	-16.3	113.9	Horizontal	AV	Pass
3	5743 7500	60.74	21.16	39,58	74	-13.26	44.6	Horizontal	PK	Pass
3	5743 7500	47.19	21.16	26.03	54	-6.81	44.6	Horizontal	AV	Pass
4	8374.5000	38.8	37.15	1.65	74	-35.2	0	Horizontal	PK	Pass
4	8374.5000	30.95	37.15	-6.2	54	-23.05	0	Horizontal	AV	Pass
5	11541.0000	45.32	39.01	6.31	74	-28.68	226.9	Horizontal	PK.	Pass
5	11541.0000	38.14	39.01	-0.87	.54	-15.86	226.9	Horizontal	AV	Pass
6	17730.0000	53.55	44.69	8.86	74	-20.45	0	Horizontal	PK	Pass
6	17730.0000	44.88	44.69	0.19	54	-9.12	0	Horizontal	AV	Pass

Page 69 of 75



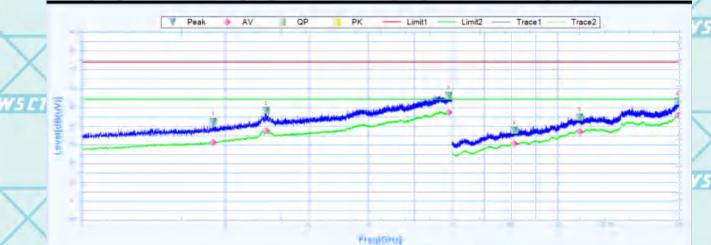




Report No.: WSCT-ANAB-R&E240800040A-BT

WSCI

Vertical:



Suspured Data List Deg Reading Factor Level Limit Margin Freq. **Polarity** NO Verdict Trace [MHZ] [dB(uV)] [dB] [dB(uV)] [dB] [dB] H 1887.5000 423 1,54 40.76 74 -31.7 28.4 Vertical PK Pass 1887.5000 31.41 1.54 29.87 54 -22.59 28.4 Vertical AV Pass PK 2 2439.3750 48 4 77 40.7 74 -25.6 192.2 Vertical Pass 2 7.7 2439.3750 37.58 29.88 54 -16.42 192.2 Vertical AV Pass 5908,1250 56.38 21.67 34.71 74 -17.62 -0.1 Vertical PK Pass 5908.1250 47.21 21.67 25.54 54 -6.79 -0.1 ΑV Pass 3 Vertical 37.83 4 8112.0000 37.04 0.79 74 -36.17 197.8 Vertical PK Pass 4 8112,0000 30.69 37.04 -6.35 54 -23.31 197.8 Vertical AV Pass 5 44.89 5.52 74 PK 11143.5000 39.37 -29.1144.8 Vertical Pass 5 37.17 -2.2 11143.5000 39.37 54 -16.83 44.8 Vertical AV Pass 6 17901 0000 53.08 45 B4 7.24 74 -20.92 271.8 PK Pass Vertical 6 17901.0000 45.75 45 B4 -0.09 54 8.25 271.8 Vertical AV Pass

	77.101	William	Wife	WSTEE	WEET
WSGT	WSG			NYS	
	X	X	X		X

FAX: 0086-755-8637660

Page 70 of 75

None Tes





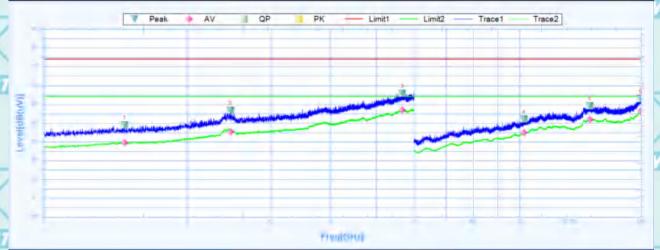


Report No.: WSCT-ANAB-R&E240800040A-BT

WSCT

Middle channel: 2441MHz

Horizontal:



Suspe	ited Data Lis	1								
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level (dB(nV)]	Limit [dB]	Margin [dB]	Deg	Polarity	Trace	Verdict
1	1477.5000	39.03	-0.26	39.29	7,4	-34.97	10.7	Horizontal	PK	Pass
1	1477.5000	29.62	-0.26	29.88	54	-24.38	10.7	Horizontal	AV	Pass
2	2467 5000	46.83	7.8	39 03	74	-27.17	0.4	Horizontal	PK	Pass
2	2467.5000	35.2	7.8	27.4	54	-18.8	0.4	Horizontal	AV	Pass
3	5668,7500	55.87	21.13	34.74	74	-18.13	79.2	Horizontal	PK	Pass
3	5668,7500	46.93	21.13	25.8	54	-7.07	79.2	Honzontal	AV	Pass
4	10221,0000	42.2	38.41	3,79	74	-31.8	94.2	Horizontal	PK	Pass
4	10221.0000	34.76	38.41	-3.65	54	-19.24	94.2	Honzontal	AV	Pass
5	14061.0000	49.14	41.42	7.72	74	-24.86	3297	Horizontal	PK.	Pass
5	14061.0000	41.84	41.42	0.42	54	-12.16	329.7	Horizontal	AV	Pass
6	17986 5000	52.99	46.4T	6.58	74	-21.01	81	Horizontal	PK.	Pass
6	17986 5000	46.49	46,41	0.08	54	-7.51	81	Horizontal	AV	Pass

	X	WSET	\rightarrow		X	WEST
X			X	X		X

WSIT	WSET	WSET	WSET
			7

Page 71 of 75



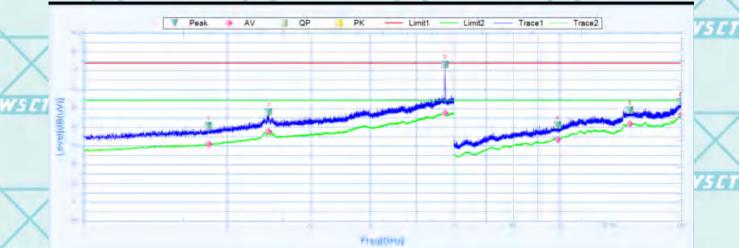




Report No.: WSCT-ANAB-R&E240800040A-BT

WSCT

Vertical:



WS CI

NO.	Freq.	Reading	A							
	[MHz]	[dB(uV)]	Factor (dB)	Level (dB(uV))	Limii [dB]	Margin [dB]	Deg [*]	Polarity	Trace	Verdica
	1828.7500	40 B	1.11	39.69	74	-33.2	142.8	Vertical	PK	Pass
	1828.7500	30.79	1.11	29.68	54	-23.21	142.8	Vertical	AV	Pass
	2446.8750	48.07	7.73	40.34	74	-25.93	0.6	Vertical	PK	Pass
	2446,8750	37.77	7.73	30,04	54	-16.23	0.5	Vertical	AV	Pass
	5747.5000	73.27	21.14	52.13	74	-0.73	316.2	Vertical	PK	Pass
	5747.5000	47.41	21.14	26.27	54	-6.59	316.2	Vertical	AV	Pass
	9915.0000	41.09	38 04	3.05	71	-32,91	190.9	Vertical	PK	Pass
	9915.0000	33 3	38.04	4.74	54	-20.7	190.9	Vertical	AV	Pass
	14059.5000	48.98	41.42	7.56	74	-25,02	58.2	Vertical	PK	Pass
	14059,5000	41.68	41.42	0.26	54	-12.32	58.2	Vertical	AV	Pass
	17985.0000	53,37	46.4	6.97	74	-20.63	113.2	Vertical	PK	Pass
	17985.0000	46.63	46.4	0.23	54	-7.37	113.2	Vertical	AV	Pass
		1828.7500 1826.7500 2446.8750 2446.8750 5747.5000 5747.5000 9915.0000 14059.5000 14059.5000	1828.7500 40.8 1828.7500 30.79 2446.8750 48.07 2446.8750 37.77 5747.5000 73.27 5747.5000 47.41 9915.0000 41.09 9915.0000 33.3 14059.5000 48.98 14059.5000 41.68 17985.0000 53.37	1828.7500 40.8 1.11 1828.7500 30.79 1.11 2446.8750 48.07 7.73 2446.8750 37.77 7.73 5747.5000 73.27 21.14 5747.5000 47.41 21.14 9915.0000 41.09 38.04 9915.0000 33.3 38.04 14059.5000 48.98 41.42 14059.5000 41.68 4).42 17985.0000 53.37 46.4	1828.7500 40.8 1.11 39.69 1828.7500 30.79 1.11 29.68 2446.8750 48.07 7.73 40.34 2446.8750 37.77 7.73 30.04 5747.5000 73.27 21.14 52.13 5747.5000 47.41 21.14 26.27 9915.0000 41.09 38.04 3.05 9915.0000 33.3 38.04 4.74 14059.5000 48.98 41.42 7.56 14059.5000 41.68 41.42 0.26 17985.0000 53.37 46.4 6.97	1828.7500 40.8 1.11 39.69 74 1828.7500 30.79 1.11 29.68 54 2446.8750 48.07 7.73 40.34 74 2446.8750 37.77 7.73 30.04 54 5747.5000 73.27 21.14 52.13 74 5747.5000 47.41 21.14 26.27 54 9915.0000 41.09 38.04 3.05 74 9915.0000 33.3 38.04 4.74 54 14059.5000 48.98 41.42 7.56 74 14059.5000 41.68 41.42 0.26 54 17985.0000 53.37 46.4 6.97 74	1828.7500 40.8 1.11 39.69 74 -33.2 1828.7500 30.79 1.11 29.68 54 -23.21 2446.8750 48.07 7.73 40.34 74 -25.93 2446.8750 37.77 7.73 30.04 54 -16.23 5747.5000 73.27 21.14 52.13 74 -0.73 5747.5000 47.41 21.14 26.27 54 -6.59 9915.0000 41.09 38.04 3.05 74 -32.91 9915.0000 33.3 38.04 -4.74 54 -20.7 14059.5000 48.98 41.42 7.56 74 -25.02 14059.5000 53.37 46.4 6.97 74 -20.63	1828.7500 40.8 1.11 39.69 74 -33.2 142.8 1828.7500 30.79 1.11 29.68 54 -23.21 142.8 2446.8750 48.07 7.73 40.34 74 -25.93 0.6 2446.8750 37.77 7.73 30.04 54 -16.23 0.6 5747.5000 73.27 21.14 52.13 74 -0.73 316.2 5747.5000 47.41 21.14 26.27 54 -6.59 316.2 9915.0000 41.09 38.04 3.05 74 -32.91 190.9 9915.0000 33.3 38.04 -4.74 54 -20.7 190.9 14059.5000 48.98 41.42 7.56 74 -25.02 58.2 14059.5000 53.37 46.4 6.97 74 -20.63 113.2	1828.7500 40.8 1.11 39.69 74 -33.2 142.8 Vertical 1826.7500 30.79 1.11 29.68 54 -23.21 142.8 Vertical 2446.8750 48.07 7.73 40.34 74 -25.93 0.6 Vertical 2446.8750 37.77 7.73 30.04 54 -16.23 0.6 Vertical 5747.5000 73.27 21.14 52.13 74 -0.73 316.2 Vertical 5747.5000 47.41 21.14 25.27 54 -6.59 316.2 Vertical 9915.0000 41.09 38.04 3.05 74 -32.91 190.9 Vertical 9915.0000 33.3 38.04 -4.74 54 -20.7 190.9 Vertical 14059.5000 48.98 41.42 7.56 74 -25.02 58.2 Vertical 14059.5000 41.68 41.42 0.26 54 -12.32 58.2 Verti	1828.7500 40.8 1.11 39.69 74 -33.2 142.8 Vertical PK 1826.7500 30.79 1.11 29.68 54 -23.21 142.8 Vertical AV 2446.8750 48.07 7.73 40.34 74 -25.93 0.6 Vertical PK 2446.8750 37.77 7.73 30.04 54 -16.23 0.6 Vertical PK 5747.5000 73.27 21.14 52.13 74 -0.73 316.2 Vertical PK 5747.5000 47.41 21.14 26.27 54 -6.59 316.2 Vertical PK 9915.0000 41.09 38.04 3.05 74 -32.91 190.9 Vertical PK 9915.0000 33.3 38.04 4.74 54 -20.7 190.9 Vertical AV 14059.5000 48.98 41.42 7.56 74 -25.02 58.2 Vertical PK

WSET	/WX	H)	VSET	WSET	WSGT	
	X	X	X		X	X
X	WSCI	WSET	WSCT	\\ \\ \	Ser	WSET
WSET	W/S	ET .	VSET	WSET	WSET	
	WSITA	WSITE	WSU	/	STATE COMP	one Test
					at the	30

DD-Building A-B,Baoli'an Industr

W5ET

WSLT

WSET

DD: Building A-B, Babi'an industrial Park, No.58 and 60, Tangtou Avienue, Shiyan Statet, Bao'an District, Shenzhen City, Guangoong Province, Chini L. 0036-755-26996192 26996053, 2699144 FAX: 0086-756-86376005 E-mail: fengbling wang gwaci-cert.com Http://www.wact-cert.com

ttp://www.wect-cert.com/ World Standards failon Certification& Testing Group!





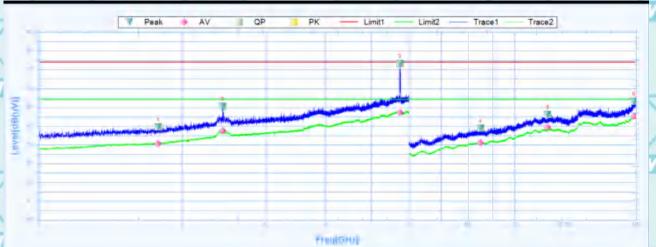
W5C1



Report No.: WSCT-ANAB-R&E240800040A-BT

High channel: 2480MHz

Horizontal:



Susp	ited Data Lis	1					-			
NO.	Freq. (MHz)	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg ["]	Polarity	Trace	Verdict
1	1782.5000	39.52	0.83	38.69	74	-34 48	269.8	.Horizontal	PK.	Pass
1	1782 5000	30.6	0.83	29.77	54	-23.4	269.8	Horizontal	AV	Pass
2	2437.5000	50.59	7.7	42.89	74	-23.41	309.4	Horizontal	PK.	Pass
2	2437.5000	37.46	7.7	29.76	54	-16.54	309.4	Horizontal	AV	Pass
3	5743.1250	73.21	21.16	52.05	74	-0.79	167.1	Horizontal	PK	Pass
3	5743,1250	47.16	21.16	26	54	-6.84	167.1	Horizontal	AV	Pass
4	3457.0000	38.9	37.19	1.71	74	-35.1	7	Horizontal	PK	Pass
4	8487.0000	31.19	37.19	-6	54	-22.81	7	Horizontal	AV	Pass
5	11746.5000	46.09	38.83	7.26	74	-27.91	360	Horizontal	PK.	Pass
5	11746 5000	39.28	38.83	0.45	54	-14.72	360	Horizontal	AV	Pass
6	17838.0000	53.16	45.41	7.75	74	-20.84	289.8	Horizontal	PK	Pass
6	17838.0000	45.19	45.41	-0.22	54	-8.81	289.8	Horizontal	AV	Pass

	WSLEE	WSET	WSET	WSGT	WSIST
WSCT		er WS		TT WS	
	X		X	X	X

WST

WSLT

WSET

ina. 深圳世标检测从证股份有限公司 World Standard Publisher Certification & Testing Group! Shert/heit/Co., U

D. Building A.-B. Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhon City, Guangdong Province, Chin ; 1988-755-26996182 26996083 26996144 FAX - 0086-786-36376605 E-mail: tengbing wang gwast-cert.com Http://www.wsct-cert.com

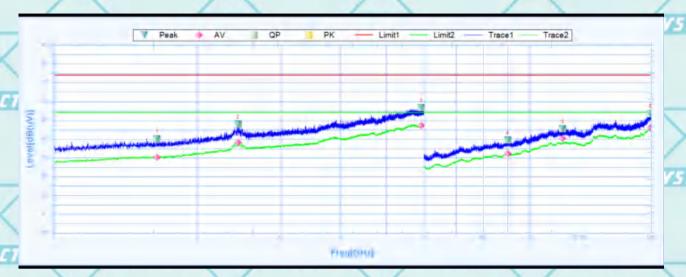






Report No.: WSCT-ANAB-R&E240800040A-BT

Vertical:



Susp	uted Data Lis	at .								
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor (dB)	Level [dB(uV)]	Limit [dB]	Margin (dB)	Deg	Polarity	Trace	Verdict
1	1648.1250	40.21	0.19	40.02	74	-33.79	310.5	Vertical	PK	Pasa
1	1648,1250	30.28	0.19	30,09	54	-23.72	310.5	Vertical	AV	Pass
2	2438 7500	47 84	7.7	40 14	74	-26.16	352	Vertical	PK	Pass
2	2438 7500	38 13	7.7	30.43	54	-15.87	352	Vertical	AV	Pass
3	5920.6250	56.67	21.83	34.84	74	-17.33	79.8	Vertical	PK	Pass
3	5920.6250	47.27	21.83	25.44	54	-6.73	79.8	Vertical	AV	Pass
4	9004 5000	39.42	37.4	2.02	74	-34.58	360	Vertical	PK	Pass
4	9004.5000	32.23	37.4	-5.17	54	-21.77	360	Vertical	AV	Pass
5	11745.0000	45.38	38.83	6.55	74	-28.62	0.5	Vertical	PK	Pass
5	11745,0000	40.27	38.83	1.44	54	-13.73	0.5	Vertical	AV	Pass
6	17961.0000	53.51	46.24	727	74	-20.49	105.7	Vertical	PK	Pass
6	17961.0000	46.16	46.24	-0.08	54	-7.84	105.7	Vertical	AV	Pass

Note:

- The emission levels of other frequencies are very lower than the limit and not show in test report.
- Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 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.
- Measurements were conducted in all three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (GFSK) was submitted only.
- 5. EUT has been tested in unfolded states, and the report only reflects data in the unfolded state (worst-case scenario)

Page 74 of 75





Report No.: WSCT-ANAB-R&E240800040A-BT

Tool Cotup Photographs

7. Test Setup Photographs

Please refer to the attachment "Set Up Photos-15C" for relevant test setup photos
WSET WSET WSET WSET
*****END OF REPORT****
WSET WSET WSET WSET
WSGT WSGT WSGT
WSET WSET WSET WSET WSET
WSET WSET WSET
WSITE WSITE WSITE
WSITE WSITE WSITE
WSIET WSIET WSIET
WSI
WSIET WSIET WSIET
WST-T WST-T WST-T WST-T
WSET WSET WSET WSET

Member of the WSCT Group (WSCT BA)

Page 75 of 75

World Standard ration Certification & Testing

WEITE