TEST REPORT

CT通测检测 TESTING CENTRE TECHNOLOGY

> IC: 21411-NMDB3 FCC ID: 2AG87NM-DB-3 Product: Wi-Fi® Radio Transceiver

Model No.: NM-DB-3 Additional Model No.: DLM180, NM-DB-2, NE-DB-2, NE-DB-3, NO-DB-2, NO-DB-3 Trade Mark: N/A Report No.: TCT160601E025

Issued Date: Sep. 08, 2016

Issued for:

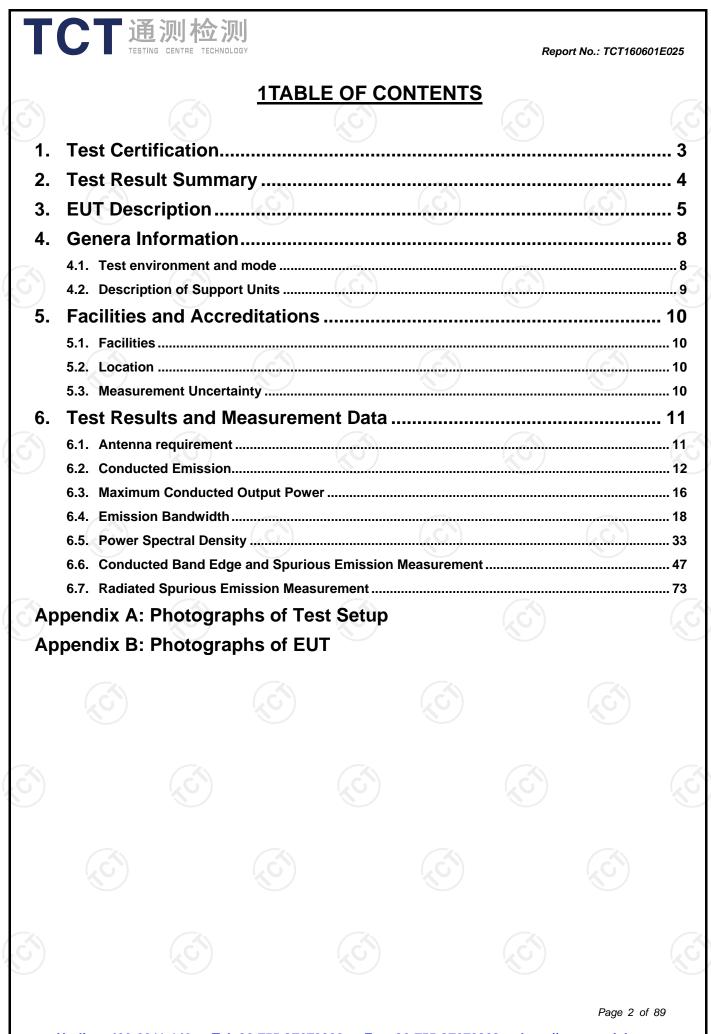
Doodle Labs (SG) Pte Ltd

150 Kampong Ampat, KA Centre, Suite #05-03, Singapore 368324

Issued By:

Shenzhen Tongce Testing Lab. 1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China TEL: +86-755-27673339 FAX: +86-755-27673332

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Report No.: TCT160601E025

1. Test Certification

Product:	Wi-Fi® Radio Transceiver				
Model No.:	NM-DB-3				
Additional Model No.:	DLM180, NM-DB-2, NE-DB-2, NE-DB-3, NO-DB-2, NO-DB-3				
Applicant:	Doodle Labs (SG) Pte Ltd				
Address:	ddress: 150 Kampong Ampat, KA Centre, Suite #05-03, Singapore 368324				
Manufacturer:	Doodle Labs (SG) Pte Ltd				
Address:	150 Kampong Ampat, KA Centre, Suite #05-03, Singapore 368324				
Date of Test:	Jun. 01 – Sep. 01, 2016				
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 KDB 558074 D01 DTS Meas Guidance v03r05 KDB 662911 D01 Multiple Transmitter Output v02r01 IC RSS-Gen(Issue 4, Nov. 2014) IC RSS-247(Issue 1, May 2015)				

The above equipment has been tested by Shenzhen Tongce Testing Lab. 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.

Tested By:	Beng Than	Date:	Sep. 01, 2016	
	Beryl Zhao	<u>(</u>)	(\mathbf{C})	(C
Reviewed By:	Zonthan	Date:	Sep. 08, 2016	
Approved By:	Joe Zhou Tomsin	Date:	Sep. 08, 2016	
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			Page 3 of	f 89
Hotline: 400-6611-140	Tel: 86-755-27673339	Fax: 86-755-27673332	2 http://www.tct-lab.co	<u>om</u>

2. Test Result Summary

(\mathcal{S})	$\langle \mathcal{O} \rangle$		$\langle \mathcal{C} \rangle$	
Requirement	CFR 47 Section	IC Rule	Result	
Antenna requirement	§15.203/§15.24 7 (c)	RSS-247, 5.4(6)	PASS	
AC Power Line Conducted Emission	§15.207	RSS-GEN, 8.8;	PASS	
Output Power	§15.247 (b)(3) §2.1046	RSS-247, 5.4 (4);	PASS	
6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	RSS-GEN, 6.6; RSS-247, 5.2 (1);	PASS	
99% Bandwidth	§2.1049	RSS-Gen 4.6.1	PASS	
Power Spectral Density	§15.247 (e)	RSS-247, 5.2 (2);	PASS	
Band Edge	1§5.247(d)	RSS-GEN, 8.9; RSS-247, 5.5;	PASS	
Spurious Emission	§15.205/§15.20 9 §2.1053	RSS-247, 5.5;	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. EUT Description

Product Name:	Wi-Fi® Radio Transceiver				
Product Type:	WLAN(3TX, 3RX)				
Radio Type:	3x3 MIMO				
Model :	NM-DB-3				
Additional Model:	DLM180, NM-DB-2, NE-DB-2, NE-DB-3, NO-DB-2, NO-DB-3				
Trade Mark:	N/A				
Operation Frequency:	uency: 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz (802.11n(HT40))				
Channel Separation:	5MHz				
Number of Channel:	11 for 802.11b/802.11g/802.11n(HT20) 7 for 802.11n(HT40)				
Modulation Technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)				
Modulation Technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)				
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps				
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps				
Data speed (IEEE 802.11n):	Up to 150Mbps				
Antenna Type:	R-SMA antenna				
Antenna Gain:	All are 3dBi				
Power Supply:	DC 3.3V				
Model difference :	All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement.				
Items	Description				
Beamforming Function	With beamforming				

Operation Frequency each of channel For 802.11b/g/n(HT20)

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	•)7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Operation Frequency each of channel For 802.11n (HT40)

	-		-				F
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
		4	2427MHz	7	2442MHz		
		5	2432MHz	8	2447MHz		
3	2422MHz	6	2437MHz	9	2452MHz	(\mathbf{C})	

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Note:

In section 15.31(*m*), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

802.11b/802.11g/802.11n (HT20)

Channel	Frequency
The lowest channel	2412MHz
The middle channel	2437MHz
The Highest channel	2462MHz

802.<u>11n (HT40)</u>

Channel	Frequency
The lowest channel	2422MHz
The middle channel	2437MHz
The Highest channel	2452MHz

Antenna and Band width

Antenna		Three	e (TX)	Ľ
Band width mode	20	MHz	40MHz	
IEEE 802.11b		V	X	
IEEE 802.11g	S S	V	x	
IEEE 802.11n		V	V	

Note: "V" means support, "x" means not support.

IEEE 802.11n Spec.

Protocol	Number of Transmit Chains (NTX)	Data Rate/MCS
802.11n(HT20)	3	MCS0-23
802.11n(HT40)	3	MCS0-23
-	802.11n(HT20)	ProtocolTransmit Chains (NTX)802.11n(HT20)3

Report No.: TCT160601E025

Genera Information 4.

4.1. Test environment and mode

Operating Environment:

Temperature:	25.0 °C	
Humidity:	56 % RH	
Atmospheric Pressure:	1010 mbar	

Test Mode:

Engineering mode:	Keep the EUT in continuous transmitting
	by select channel and modulations (The
	value of duty cycle is 98.46%)

The sample above 1GHz was placed 1.5m (0.8m below 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.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pre-scan all kind of data rate in lowest channel, and found the follow list which it vas worst caso

was wuisi case.	
Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(H20)	6.5Mbps
802.11n(H40)	13.5Mbps
Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation
"worst setup" 1Mbps for 802.11b, 6Mb	the test results are both the "worst case" and ops for 802.11g, 6.5Mbps for 802.11n(H20). Duty is 98.5% with maximum power setting for all

4.2. Description of Support Units

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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
Intel NUC	D54250WYKH	G6YK4390029 U	DOC	Intel

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.

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5. Facilities and Accreditations

5.1. Facilities

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

• FCC - Registration No.: 572331

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

CNAS - Registration No.: CNAS L6165
 Shenzhen TCT Testing Technology Co., Ltd. is accredited to ISO/IEC 17025:2005
 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6165.

5.2. Location

Shenzhen Tongce Testing Lab

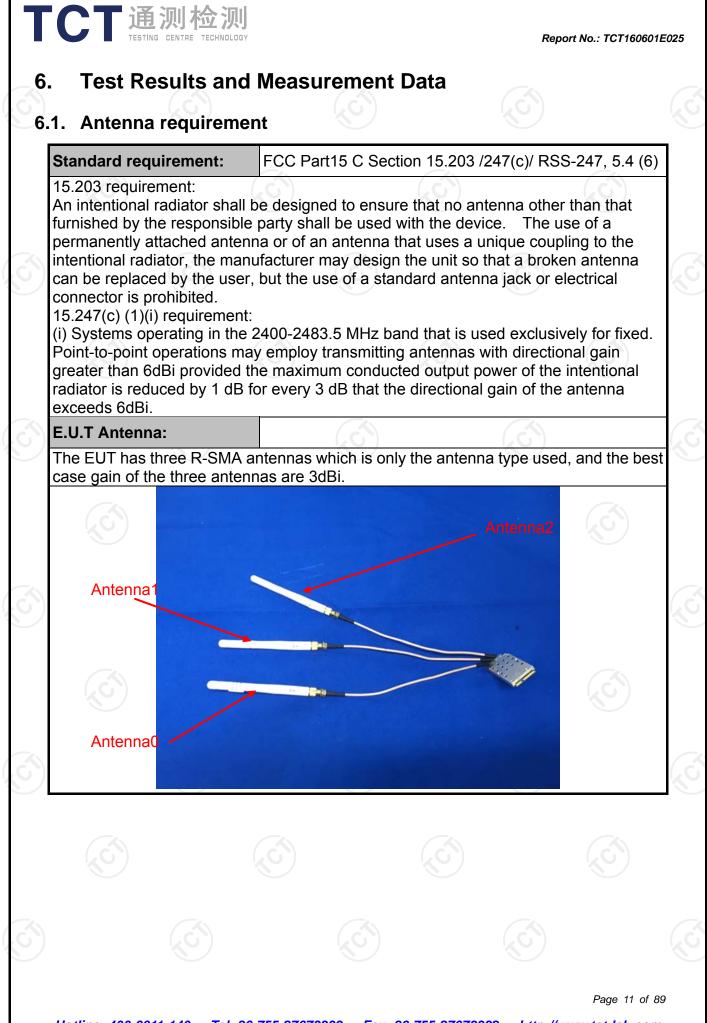
Address: 1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China Tel: 86-755-36638142

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 %.

		NAL I	
No.	Item	MU	
1	Conducted Emission	±2.56dB	
2	RF power, conducted	±0.12dB	
3	Spurious emissions, conducted	±0.11dB	
4	All emissions, radiated(<1G)	±3.92dB	
5	All emissions, radiated(>1G)	±4.28dB	(S)
6	Temperature	±0.1°C	
7	Humidity	±1.0%	





Test Method:	ANSI C63.10:2013	ANSI C63.10:2013					
Frequency Range:	150 kHz to 30 MHz						
Receiver setup:	RBW=9 kHz, VBW=	30 kHz, Sweep time	e=auto				
	Frequency range	e Limit (dBuV)				
	(MHz)	Quasi-peak	Average				
Limits:	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
Test Setup:	Reference Plane						
Test Mode:	TX Mode						
Test Procedure:	 The E.U.T and simulators are connected to the main power 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 ANSI C63.10: 2013 on conducted measurement. 						
Test Result:	PASS		\				
Test Result:	PASS	Ś)				

FCC Part15 C Section 15.207/RSS-GEN, 8.8

6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:

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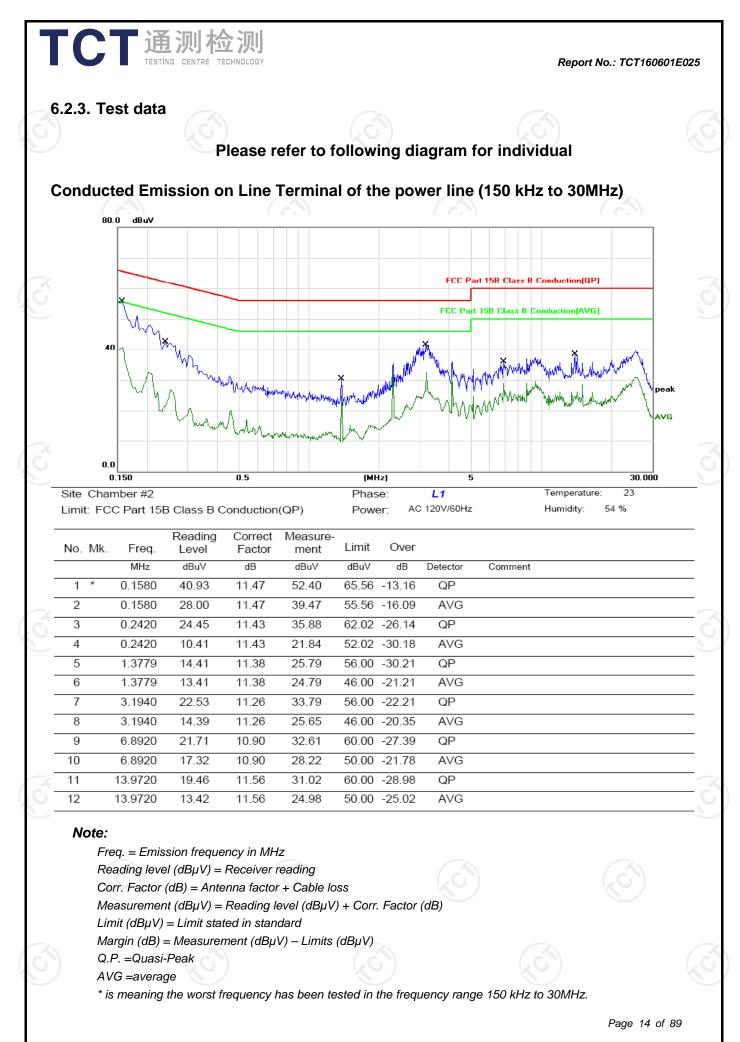
6.2.2. Test Instruments

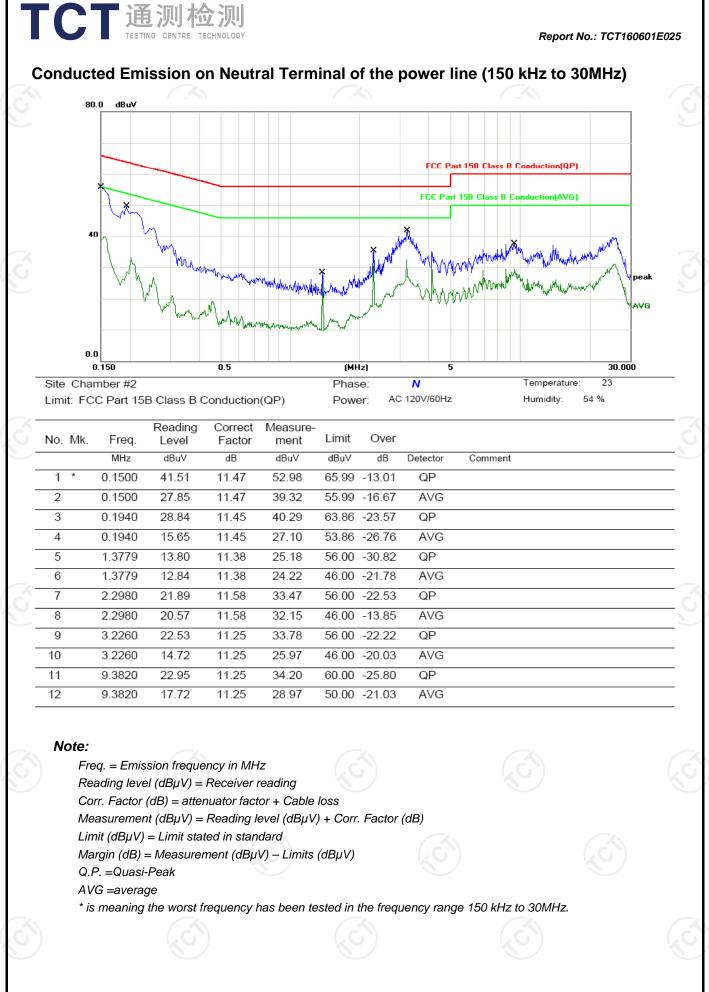
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Conducted Emission Shielding Room Test Site (843)						
Equipment	Manufacturer	Model	Serial Number	Calibration Due		
EMI Test Receiver	R&S	ESCS30	100139	Aug. 11, 2017		
LISN	Schwarzbeck	NSLK 8126	8126453	Aug. 16, 2017		
Coax cable	тст	CE-05	N/A	Aug. 11, 2017		
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A		

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).





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6.3. Maximum Conducted Output Power

6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)/RSS-247, 5.4 (4)
Test Method:	KDB558074 and KDB662911
Limit:	30dBm
Test Setup:	Power Meter Attenuator
Test Mode:	Transmitting mode with modulation
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r05. The RF output of EUT was connected to the power meter 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. Measure the conducted output power and record the results in the test report.
Test Result:	PASS

6.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Power Meter	Anritsu	ML2495A	1005002	Aug. 12, 2017
Pulse Power Senor	Anritsu	MA2411B	0917070	Aug. 12, 2017
RF cable	тст	RE-06	N/A	Aug. 12, 2017
Antenna Connector	тст	RFC-01	N/A	Aug. 12, 2017

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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6.3.3. Test Data

Configuration IEEE 802.11b/ Antenna 0+Antenna 1+ Antenna 2						
Test channel		Maximum Conducted Output Power (dBm)			Limit (dBm)	Result
	Ant0	Ant1	Ant2	Total		
Lowest	24.50	20.87	21.31	27.32	28.20	PASS
Middle	24.13	20.43	21.17	26.99	28.20	PASS
Highest	23.97	20.23	20.59	26.72	28.20	PASS

Configuration IEEE 802.11g/ Antenna 0+Antenna 1+ Antenna 2

Test channel	Maximum Conducted Test channel Output Power (dBm)					Result
	Ant0	Ant1	Ant2	Total	Limit (dBm)	
Lowest	23.71	21.20	21.73	27.12	28.20	PASS
Middle	24.11	20.66	20.64	26.90	28.20	PASS
Highest	23.73	21.74	21.30	27.16	28.20	PASS

Configuration IEEE 8	Configuration IEEE 802.11n(HT20)/ Antenna 0+Antenna 1+ Antenna 2					
Test channel		aximum utput Po			Limit (dBm)	Result
	Ant0	Ant1	Ant2	Total		
Lowest	23.85	20.92	20.68	26.84	28.20	PASS
Middle	23.66	20.87	20.44	26.68	28.20	PASS
Highest	23.54	21.19	19.87	26.58	28.20	PASS
					7.6	

Configuration IEEE 802.11n(HT40)/ Antenna 0+Antenna 1+ Antenna 2

Test channel		aximum utput Po		Limit (dBm)	Result		
	Ant0 Ant1 Ant2 Total						
Lowest	23.96	20.57	21.17	26.94	28.20	PASS	
Middle	23.86	20.41	19.88	26.54	28.20	PASS	
Highest	23.56	19.98	19.79	26.25	28.20	PASS	

Note: G_{ANT} =3dBi, Array Gain=10log(N_{ANT}/N_{SS})=4.8dBi

Directional Gain=G_{ANT} + Array Gain=7.8dBi, So limit=30-(7.8-6)=28.2dBm

CT通测检测 4. Emission Bandwi	Report No.: TCT160601Ed
4.1. Test Specification Test Requirement:	FCC Part15 C Section 15.247 (a)(2)/RSS-GEN, 6.6; RSS-247, 5.2(1)
Test Method:	KDB558074
Limit:	>500kHz
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	 The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r05. 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. Set the spectrum to test 99%OBW. Measure and record the results in the test report.
Test Result:	PASS

6.4.2. Test Instruments

RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Spectrum Analyzer	Agilent	N9020A	MY49100060	Aug. 12, 2017	
RF cable	тст	RE-06	N/A	Aug. 12, 2017	
Antenna Connector	тст	RFC-01	N/A	Aug. 12, 2017	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



6.4.3. Test data

TCT 通测检测 TESTING CENTRE TECHNOLOGY

Antenna 0:		(<u>k</u> G')	(_x O')	
Test channel	6dB Emission Bandwidth (MHz)			
lest channer	802.11b	802.11g	802.11n(H20)	802.11n(H40)
Lowest	10.15	16.33	17.57	36.40
Middle	10.12	16.36	17.62	36.42
Highest	10.12	16.34	17.58	35.83
Limit:	>500k PASS			
Test Result:				

Antenna 1:

Test channel	6dB Emission Bandwidth (MHz)			
lest channel	802.11b	802.11g	802.11n(H20)	802.11n(H40)
Lowest	10.14	16.32	17.56	36.39
Middle	10.12	16.35	17.62	36.41
Highest	10.12	16.36	17.59	35.84
Limit:		>	500k	
Test Result:		Ę	PASS	$\langle \langle \mathcal{C} \rangle \rangle$

Antenna 2:

Test channel	6dB Emission Bandwidth (MHz)			
Test channel	802.11b	802.11g	802.11n(H20)	802.11n(H40)
Lowest	10.13	16.34	17.57	36.39
Middle	10.12	16.36	17.62	36.44
Highest	10.12	16.35	17.58	35.84
Limit:	>500k			
Test Result:		P/	ASS	

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Antenna 0:

Test channel	99% Emission Bandwidth (MHz)			
iest channel	802.11b	802.11g	802.11n(H20)	802.11n(H40)
Lowest	14.85	20.89	21.24	36.42
Middle	14.06	16.79	17.74	36.39
Highest	14.06	16.66	17.69	36.26
Limit:	>500k			
Test Result:	PASS			
Limit:	14.06	>5	500k	36.

Antenna 1:

Test channel	99% Emission Bandwidth (MHz)			
	802.11b	802.11g	802.11n(H20)	802.11n(H40)
Lowest	14.87	19.96	21.16	36.41
Middle	14.05	16.69	17.74	36.36
Highest	14.06	17.11	17.68	36.26
Limit:	>500k			
Test Result:	PASS			

Antenna 2:

Test channel	99% Emission Bandwidth (MHz)			
lest channel	802.11b	802.11g	802.11n(H20)	802.11n(H40)
Lowest	14.84	20.63	21.08	36.43
Middle	14.05	16.73	17.74	36.39
Highest	14.05	16.76	17.68	36.28
Limit:		>	500k	(\mathbf{c})
Test Result:		P	ASS	

Test plots as follows:



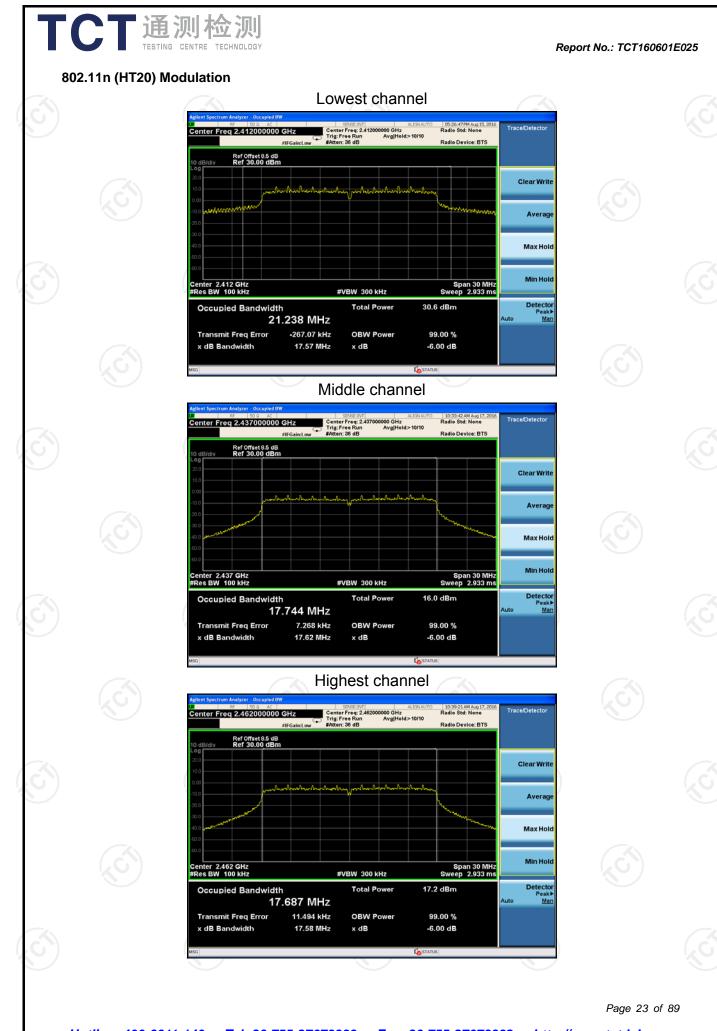


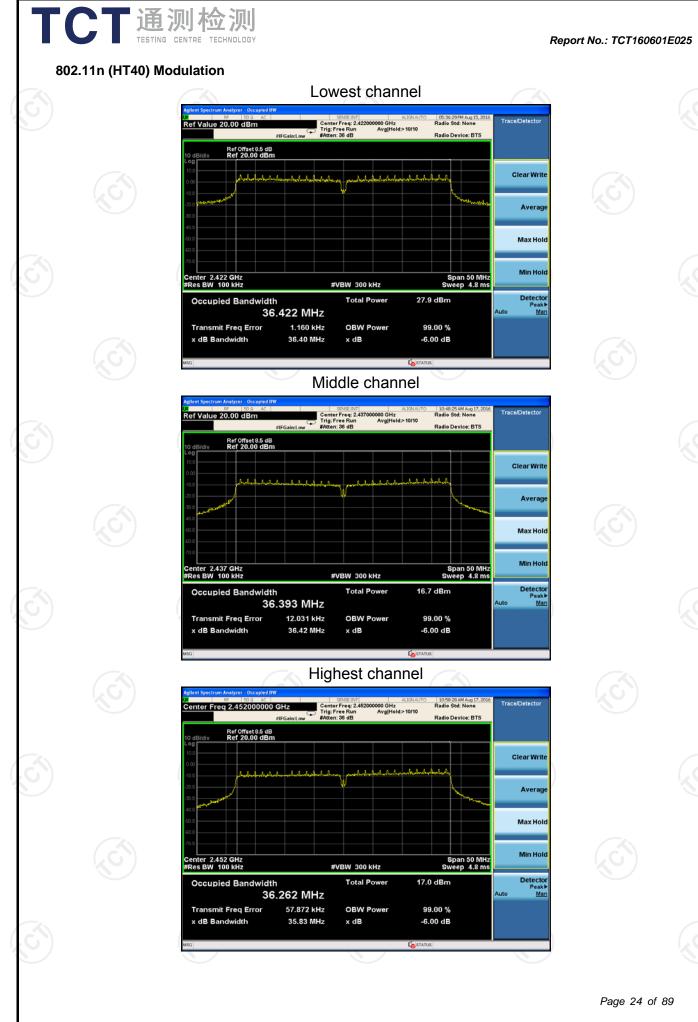
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		Report No.: TCT160601E025
802.11g Modulat	Lowest channel	
	Applent Spectrum Analyzer - Occupied BW Strate Free Attonauto 05:16:27.594 Aug 15: 2016 Center Free 2.412000000 GHz Center Free 2.412040000 GHz Radio Std: None Trace/Detector	
	#IFGain:Low #Atten: 36 dB Radio Device: BTS	
	to dB/div Ref 30.00 dBm	
	100 000	
	400 Max Hold	
	Center 2.412 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms	
	20.890 MHz Average ►	
	Transmit Freq Error -263.25 kHz OBW Power 99.00 % x dB Bandwidth 16.33 MHz x dB -6.00 dB	
	MSG Contraction	
	Middle channel	
	Aglent Spectrum Analyzer - Occupied IIW U Stretz 2010 Alt 2010 Alt 2010 Alt 2010 Alt 2010 Center Freq 2.437000000 GHz Center Freq 2.437000000 GHz Trace/Detector Center Freq 2.437000000 GHz Center Freq 2.43700000 GHZ Center Freq 2.437000000 GHZ Center Freq 2.437000000 GHZ Center Freq 2.437000000 GHZ	
	eliFGain:Low #Atten: 36 dB Radio Device: BTS Ref Offset 9.5 dB	
	10 dB/div Ref 30.00 dBm 200 Clear Write	
	000 Julius Handrahan Back on Journal and real and read and read and read and read an	
	400 Max Hold	
	80.0 Min Hold	
	Center 2.437 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms Occupied Bandwidth Total Power 27.3 dBm Detector	
	16.793 MHz	
	Transmit Freq Error 53.923 kHz OBW Power 99.00 % x dB Bandwidth 16.36 MHz x dB -6.00 dB	
	MSG Contraction of the second se	
	Highest channel	
	Aplent Spectum Analyzer - Occupied IIW I M 50 - AC Center Freq 2.462000000 GHz Center Freq 2.462000000 GHz Center Freq 2.46200000 GHZ Center Freq 2.462000000 GHZ Center Freq 2.46200000 GHZ Center Freq 2.462000000 GHZ C	
	Trig: Free Run Avg Hold>10/10 #FGain:Low #Atten: 36 dB Radio Device: BTS Ref Offset9.5 dB 10 dB/dly Ref 30.00 dBm	
	Log 200 Clear Write	
	100 polaritarilaritarilaritarilaritarilaritarilaritarilaritarilaritarilaritaritarilaritaritaritaritaritaritaritaritaritarit	
	200 walshington water Average	
	40.0 Max Hold	
	80.0 Min Hold	
	Center 2.462 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms Occupied Bandwidth Total Power 27.0 dBm Detector	
	16.660 MHz	
	Transmit Freq Error -5.601 kHz OBW Power 99.00 % x dB Bandwidth 16.34 MHz x dB -6.00 dB	
	MSG Contraction of the status	

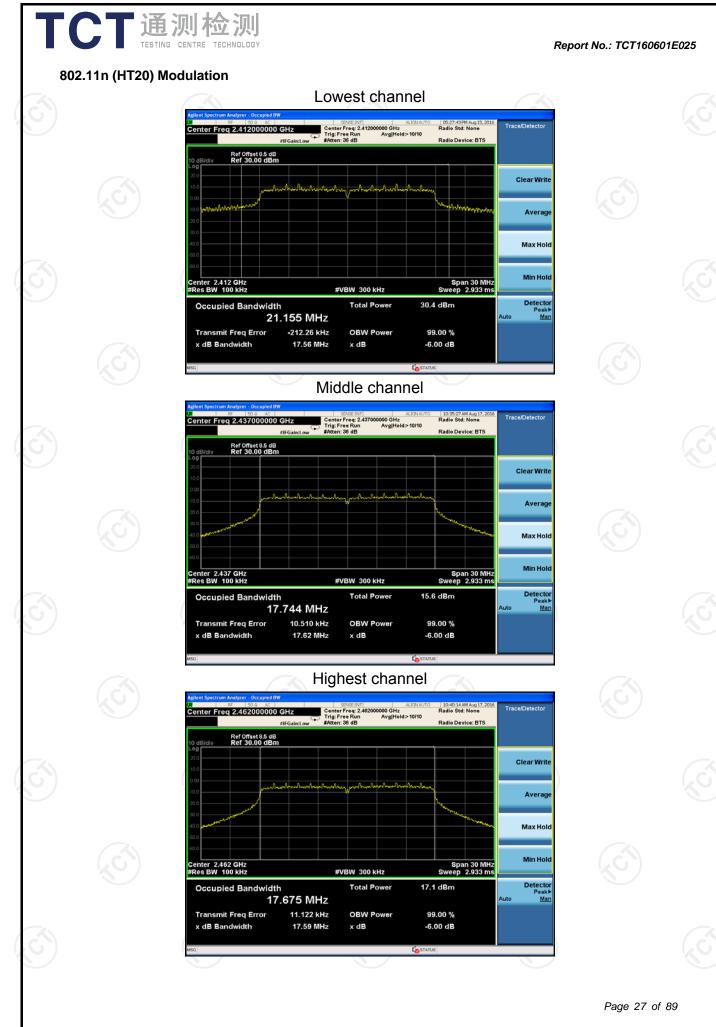
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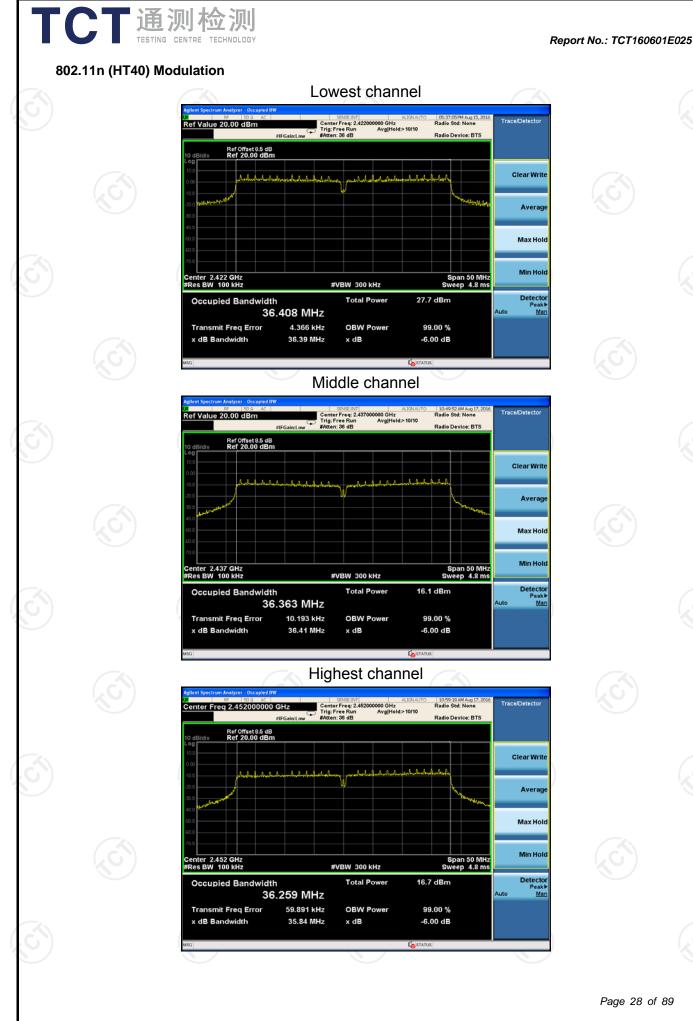






802.11g Modula	ion	Report No.: TCT160601E025
	Lowest channel	
	Agtent Spectrum Analyzer, Occupied IIV 22 Sector Freq 2.412000000 GHz FFGainLow Ref Offret 9.5 dB Center Freq 2.412000000 GHz FFGainLow Ref Offret 9.5 dB Center Freq 2.412000000 GHz FFGainLow Center Freq 2.412000000 GHz Trig: Freq Run Avgiried>10/10 Radio Bete None Radio Device: BTS Clear W Aver Ref Offret 9.5 dB Clear W	Irite rage
	Transmit Freq Error -230.28 kHz OBW Power 99.00 %	told
	x dB Bandwidth 16.32 MHz x dB -6.00 dB	Gr
	Ref Offset 8.5 dB 10 dB/div Ref 30.00 dBm 200	Hold
	Center 2:437 GHz #Res BW 100 kHz Span 30 MHz Sweep 2:933 ms Occupied Bandwidth Total Power 27.1 dBm 16.690 MHz Transmit Freq Error 27.346 kHz OBW Power 99.00 % x dB Bandwidth 16.35 MHz x dB -6.00 dB MISCI Contraction of the second se	ctor eak+ Man
	Aglent Spectrum Anstyrer, Occupied IW Aglent Spectrum Anstyrer, Occupied IW Center Freq 2.462000000 GHz Genter Freq: 2.462000000 GHz Genter Freq: 2.46200000 GHz Genter Freq: 2.46200000 GHz Genter Freq: 2.46200000 GHz Augusta Action: 35 dB Center Freq: 2.46200000 GHz Radio Stet: None Radio Device: BTS I o dB/duv Ref 30.00 dBm Center freq: 2.46200000 GHz Genter Freq: 2.462000000 GHz Genter Freq: 2.4620000000 GHz Genter Freq: 2.4620000000000 GHz Genter Freq: 2.4620000000 GHz Genter Freq: 2.462	
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Hidde channel Statistic channel		Center 2.412 GHz #Res BW 100 kHz Sweep 3.733 ms Occupied Bandwidth Total Power 28.9 dBm 20.630 MHz Transmit Freq Error -252.59 kHz OBW Power 99.00 %	n Hold tector
Coupled Bandwidth Coupled Bandwidth Total Power 27.2 dBm Coupled Bandwidth Total Power 27.0 dBm Coupled Bandwidth Total Power 27.0 dBm Coupled Bandwidth Total Power 27.0 dBm Max Hold Coupled Bandwidth Total P		Agtion Spectrum Analyzer Occupied INV Agtion Spectrum Analyzer Occupied INV Conter Free 2.437000000 GHz BiFGain:Low Free 2.43700000 GHz Free 2.437000000 GHz Free 2.43700000 GHz Free 2.437000000 GHZ Free 2.4370000000 GHZ Free 2.43700000000 GHZ Free 2.43700000000 GHZ Free 2.43700000000 GHZ Fre	Rector
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Alter: 36 dB Center Freq 2.462/2000000 GHz Breas Sub Province Ref Octave 8.8 dB Center Freq 2.462/2000000 GHz Breas Sub Province Ref Octave 8.8 dB Center Freq 2.462/200000 GHz Breas Sub Province Ref Octave 8.8 dB Center Freq 2.462/200000 GHz Breas Sub Province Ref Octave 8.8 dB Center 2.462/CHZ Free Sub 100 kHz Free Sub		Occupied Bandwidth Total Power 27.2 dBm 16.725 MHz Transmit Freq Error 41.413 kHz OBW Power 99.00 % x dB Bandwidth 16.36 MHz x dB -6.00 dB MSG	Peak►
Average Max Hold Max Hold Max Hold Max Hold Max Hold Max Hold Min Hold Center 2.462 GHz #Res BW 100 kHz Transmit Freq Error x dB Bandwidth 16.35 MHz x dB andwidth 16.35 MHz x dB andwidth 16.35 MHz x dB 		Adjent Spectrum Analyzer - Occupied IIW 2. Social Spectrum Analyzer - Occupied IIW 3. Social Spectrum Analyz	
Center Z.492 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms Occupied Bandwidth Total Power 27.5 dBm Detector 16.763 MHz Transmit Freq Error -31.077 kHz OBW Power 99.00 % x dB Bandwidth 16.35 MHz x dB -6.00 dB		100 0.00 100 200 Wether Marsharton and a start	rerage
		Center 2.462 GH2 Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms Occupied Bandwidth Total Power 27.5 dBm 16.763 MHz Transmit Freq Error -31.077 kHz OBW Power 99.00 %	tector Peak

