TEST REPORT

Reference No. : WTS18S03104454W

FCC ID : XUJCRP429

Applicant.....: Launch Tech Co., Ltd.

Address..... Launch Industrial Park, North of Wuhe Rd. Banxuegang, Longgang,

Shenzhen, China

Manufacturer: The same as above

Address : The same as above

Product.....: Professional Diagnostic Tool

Model(s). CRP 429, CRP 429C, CRP 423, CRP 808, CRP 818, CRP 828,

Pilot Scan

Brand Name: LAUNCH

Standards...... : FCC CFR47 Part 15.247:2017

Date of Receipt sample : 2018-03-09

Date of Test : 2018-03-10 to 2018-03-14

Date of Issue : 2018-03-15

Test Result.....: Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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2 Laboratories Introduction

Waltek Services (Shenzhen) Co., Ltd is a professional third-party testing and certification laboratory with multi-year product testing and certification experience, established strictly in accordance with ISO/IEC 17025 requirements, and accredited by ILAC (International Laboratory Accreditation Cooperation) member. A2LA (American Association for Laboratory Accreditation) of USA, Meanwhile, Waltek has got recognition as registration and accreditation laboratory from EMSD (Electrical and Mechanical Services Department), and American Energy star, FCC(The Federal Communications Commission), CEC(California energy efficiency), IC(Industry Canada). It's the strategic partner and data recognition laboratory of international authoritative organizations, such as Intertek(ETL-SEMKO), TÜV Rheinland, TÜV SÜD, etc.



Waltek Services (Shenzhen) Co., Ltd is one of the largest and the most comprehensive third party testing laboratory in China. Our test capability covered four large fields: safety test. Electro Magnetic Compatibility (EMC), and energy performance, wireless radio. As a professional, comprehensive, justice international test organization, we still keep the scientific and rigorous work attitude to help each client satisfy the international standards and assist their product enter into globe market smoothly.

Test Facility:

A. Accreditations for Conformity Assessment (International)

Country/Region	Accreditation Body	Scope	Note
USA		FCC ID \ DOC \ VOC	1
Canada		IC ID \ VOC	2
Japan		MIC-T \ MIC-R	-
Europe	A2LA (Certificate No.: 4243.01)	EMCD \ RED	-
Taiwan		NCC	-
Hong Kong		OFCA	-
Australia		RCM	-
India		WPC	-
Thailand	International Services	NTC	-
Singapore		IDA	_

Note:

- 1. FCC Designation No.: CN1201. Test Firm Registration No.: 523476.
- 2. IC Canada Registration No.: 7760A

B. TCBs and Notify Bodies Recognized Testing Laboratory.

Recognized Testing Laboratory of	Notify body number	
TUV Rheinland		
Intertek		
TUV SUD	Optional.	
SGS		
Phoenix Testlab GmbH	0700	
Element Materials Technology Warwick Ltd	0891	
Timco Engineering, Inc.	1177	
Eurofins Product Service GmbH	0681	

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4 Revision History

Test report No.	Date of Receipt sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTS18S03104 454W	2018-03-09	2018-03-10 to 2018-03- 14	2018-03-15	original	-	Valid

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5 General Information

5.1 General Description of E.U.T.

Product: Professional Diagnostic Tool

Model(s): CRP 429, CRP 429C, CRP 423, CRP 808, CRP 818, CRP 828, Pilot

Scan

Model Description:

Only different for mode names, Software function, Colors and Lines for

enclosure.

Wi-Fi Specification: 2.4G-802.11b/g/n HT20/n HT40

Hardware Version: V1.02.000

Software Version: YZ_V002_005

Highest frequency

(Exclude Radio):

1.25GHz

Storage Location: Internal Storage

Note: N/A

5.2 Details of E.U.T.

Operation Frequency: 802.11b/g/n HT20: 2412~2462MHz

802.11n HT40: 2422~2452MHz

Max. RF output power: WiFi(2.4G): 19.49dBm

Type of Modulation: WiFi: CCK, OFDM

Antenna installation: WiFi: internal permanent antenna

Antenna Gain: WiFi(2.4G): 0.93dBi

Ratings: Battery DC 3.7V 4000mAh

DC 12V, 150mAh for Car power supply DC 5V, 1.0A, charging from adapter (Adapter Input: 100-240V~50/60Hz 0.2A)

Adapter: Manufacturer: SHENZHEN PENGSHENG YE TELECTRONIC CO.,LTD

Model No.: SAPA05005US

Note: Optional

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5.3 Channel List

WIFI

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	2	2417	3	2422	4	2427
5	2432	6	2437	7	2442	8	2447
9	2452	10	2457	11	2462	12	-

5.4 Test Mode

Table 1 Tests Carried Out Under FCC part 15.247

Test Items	Mode Mode	Data Rate	Channel	TX/RX
	802.11b	1 Mbps	1/6/11	TX
Maximum Peak Output Power	802.11g	6 Mbps	1/6/11	TX
Maximum Feak Output Fower	802.11n HT20	MCS0	1/6/11	TX
	802.11n HT40	MCS0	3/6/9	TX
	802.11b	1 Mbps	1/6/11	TX
Dower Spectral Depoits	802.11g	6 Mbps	1/6/11	TX
Power Spectral Density	802.11n HT20	MCS0	1/6/11	TX
	802.11n HT40	MCS0	3/6/9	TX
	802.11b	1 Mbps	1/6/11	TX
CalD David width	802.11g	6 Mbps	1/6/11	TX
6dB Bandwidth	802.11n HT20	MCS0	1/6/11	TX
	802.11n HT40	MCS0	3/6/9	TX
	802.11b	1 Mbps	1/6/11	TX
Parid Edua	802.11g	6 Mbps	1/6/11	TX
Band Edge	802.11n HT20	MCS0	1/6/11	TX
	802.11n HT40	MCS0	3/6/9	TX
	802.11b	1 Mbps	1/6/11	TX
Transmitter Churique Emigeiere	802.11g	6 Mbps	1/6/11	TX
Transmitter Spurious Emissions	802.11n HT20	MCS0	1/6/11	TX
	802.11n HT40	MCS0	3/6/9	TX

Note :Parameters set by test software during channel & power tests, the software provided by the customer was used to set the operating channels as well as the output power level. The RF output power set is the power expected by the manufacturer and is going to be fixed on the firmware of the final product .

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6 Test Summary

Test Items	Test Requirement	Result	
	15.247(d)		
Radiated Spurious Emissions	15.205(a)	PASS	
	15.209(a)		
Conducted Spurious Emissions	15.247(d)	PASS	
Conducted Emissions	15.207(a)	PASS	
6dB Bandwidth	15.247(a)(2)	PASS	
Maximum Peak Output Power	15.247(b)(3),(4)	PASS	
Power Spectral Density	15.247(e)	PASS	
Band Edge	15.247(d)	PASS	
Antenna Requirement	15.203	PASS	
Maximum Permissible Exposure	1 1207/h)/1)	PASS	
(Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS	

7 Equipment Used during Test

7.1 Equipments List

Condu	Conducted Emissions Test Site 1#						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date	
1.	EMI Test Receiver	R&S	ESCI	100947	2017-09-12	2018-09-11	
2.	LISN	R&S	ENV216	101215	2017-09-12	2018-09-11	
3.	Cable	Тор	TYPE16(3.5M)	-	2017-09-12	2018-09-11	
Condu	cted Emissions Test \$	Site 2#					
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date	
1.	EMI Test Receiver	R&S	ESCI	101155	2017-09-12	2018-09-11	
2.	LISN	SCHWARZBECK	NSLK 8128	8128-289	2017-09-12	2018-09-11	
3.	Limiter	York	MTS-IMP-136	261115-001- 0024	2017-09-12	2018-09-11	
4.	Cable	LARGE	RF300	-	2017-09-12	2018-09-11	
3m Ser	mi-anechoic Chamber	for Radiation Emis	sions Test site	1#			
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date	
1	Spectrum Analyzer	R&S	FSP	100091	2017-04-29	2018-04-28	
2	Active Loop Antenna	Beijing Dazhi	ZN30900A	-	2017-04-09	2018-04-08	
3	Trilog Broadband Antenna	SCHWARZBECK	VULB9163	336	2017-04-09	2018-04-08	
4	Coaxial Cable (below 1GHz)	Тор	TYPE16(13M)	-	2017-09-12	2018-09-11	
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	667	2017-04-09	2018-04-08	
6	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	2017-04-09	2018-04-08	
7	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	2004	2017-04-13	2018-04-12	
8	Coaxial Cable (above 1GHz)	Тор	1GHz-25GHz	EW02014-7	2017-04-13	2018-04-12	
3m Ser	mi-anechoic Chamber	for Radiation Emis	sions Test site	2#			
Item	Equipment	Manufacturer	Model No.	Serial No	Last Calibration Date	Calibration Due Date	
1	Test Receiver	R&S	ESCI	101296	2017-04-13	2018-04-12	
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	2017-04-09	2018-04-08	
3	Amplifier	Compliance pirection systems inc	PAP-0203	22024	2017-04-13	2018-04-12	
4	Cable	HUBER+SUHNER	CBL2	525178	2017-04-13	2018-04-12	

RF Conducted Testing							
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date	
1.	EMC Analyzer (9k~26.5GHz)	Agilent	E7405A	MY45114943	2017-09-12	2018-09-11	
2.	Spectrum Analyzer (9k-6GHz)	R&S	FSL6	100959	2017-09-12	2018-09-11	
3.	Signal Analyzer (9k~26.5GHz)	Agilent	N9010A	MY50520207	2017-09-12	2018-09-11	

7.2 Description of Support Units

Equipment	Manufacturer	Model No.	Series No.
1	1	1	/

7.3 Measurement Uncertainty

Parameter	Uncertainty		
Conducted Emission	± 3.64 dB(AC mains 150KHz~30MHz)		
Radiated Spurious Emissions	± 5.08 dB (Bilog antenna 30M~1000MHz)		
Radiated Spurious Emissions	± 5.47 dB (Horn antenna 1000M~25000MHz)		
Radio Frequency	± 1 x 10 ⁻⁷ Hz		
RF Power	± 0.42 dB		
RF Power Density	± 0.7dB		
Conducted Spurious Emissions	± 2.76 dB (9kHz~26500MHz)		
Confidence interval: 95%. Confidence factor:k=2			

7.4 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R.China.

8 Conducted Emission

Test Requirement: FCC CFR 47 Part 15 Section 15.207

Test Method: ANSI C63.10:2013

Test Result: PASS

Frequency Range: 150kHz to 30MHz

Class/Severity: Class B

Limit: Frequency (MHz) Limit (dBµV)
Quasi-peak Average

Frequency (MHZ)	Quasi-peak	Average
0.15 to 0.5	66 to 56*	56 to 46*
0.5 t 5	5	46
5 o 30	60	50

8.1 E.U.T. Operation

Operating Environment:

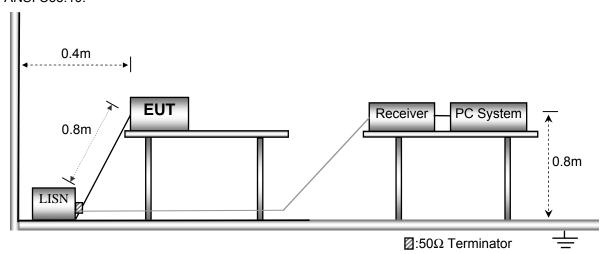
Temperature: 21.5 °C
Humidity: 51.9 % RH
Atmospheric Pressure: 101.2kPa

EUT Operation:

The test was performed in TX transmitting mode, the worst data were shown in the report.

8.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10.



8.3 Measurement Description

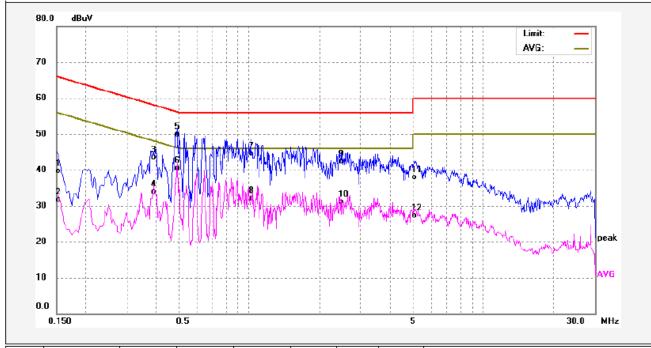
The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

8.4 Conducted Emission Test Result

An initial pre-scan was performed on the live and neutral lines.

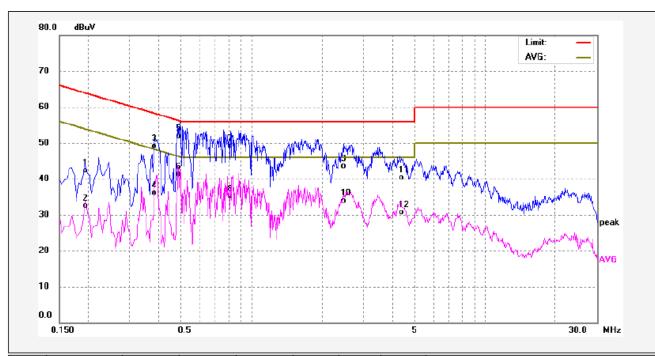
Worst Mode: WIFI mode (802.11b mode low channel)

Live line:



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1500	29.55	10.06	39.61	65.99	-26.38	QP	
2	0.1500	21.63	10.06	31.69	55.99	-24.30	AVG	
3	0.3980	33.39	10.03	43.42	57.89	-14.47	QP	
4	0.3980	23.78	10.03	33.81	47.89	-14.08	AVG	
5	0.4940	39.81	10.08	49.89	56.10	-6.21	QP	
6	0.4940	30.47	10.08	40.55	46.10	-5.55	AVG	
7	1.0140	34.46	10.12	44.58	56.00	-11.42	QP	
8	1.0140	22.07	10.12	32.19	46.00	-13.81	AVG	
9	2.4860	32.07	10.23	42.30	56.00	-13.70	QP	
10	2.4860	20.92	10.23	31.15	46.00	-14.85	AVG	
11	5.0739	27.64	10.25	37.89	60.00	-22.11	QP	
12	5.0739	17.05	10.25	27.30	50.00	-22.70	AVG	

Neutral line:



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1940	32.41	9.90	42.31	63.86	-21.55	QP	
2	0.1940	22.56	9.90	32.46	53.86	-21.40	AVG	
3	0.3820	39.02	10.04	49.06	58.23	-9.17	QP	
4	0.3820	25.97	10.04	36.01	48.23	-12.22	AVG	
5	0.4940	41.87	10.08	51.95	56.10	-4.15	QP	
6	0.4940	31.20	10.08	41.28	46.10	-4.82	AVG	
7	0.8100	39.05	10.11	49.16	56.00	-6.84	QP	
8	0.8100	25.01	10.11	35.12	46.00	-10.88	AVG	
9	2.4780	33.27	10.23	43.50	56.00	-12.50	QP	
10	2.4780	23.68	10.23	33.91	46.00	-12.09	AVG	
11	4.3620	30.01	10.26	40.27	56.00	-15.73	QP	
12	4.3620	20.48	10.26	30.74	46.00	-15.26	AVG	

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9 Radiated Emissions

Test Requirement: FCC CFR47 Part 15 Section 15.209 & 15.247

Test Method: ANSI C63.10:2013

Test Result: PASS
Measurement Distance: 3m

Limit:

	Field Stre	ngth	Field Strength Limit a	t 3m Measurement Dist
Frequency (MHz)	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	20log ^{(2400/F(kHz))} + 80
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	20log ^{(24000/F(kHz))} + 40
1.705 ~ 30	30	30	100 * 30	20log ⁽³⁰⁾ + 40
30 ~ 88	100	3	100	20log ⁽¹⁰⁰⁾
88 ~ 216	150	3	150	20log ⁽¹⁵⁰⁾
216 ~ 960	200	3	200	20log ⁽²⁰⁰⁾
Above 960	500	3	500	20log ⁽⁵⁰⁰⁾

9.1 EUT Operation

Operating Environment:

Temperature: $23.5 \, ^{\circ}\text{C}$ Humidity: $52.1 \, \% \, \text{RH}$

Atmospheric Pressure: 101.2kPa

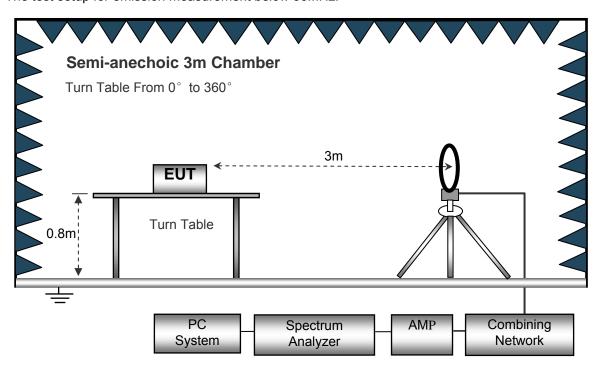
EUT Operation:

The test was performed in TX transmitting mode, the test data were shown in the report.

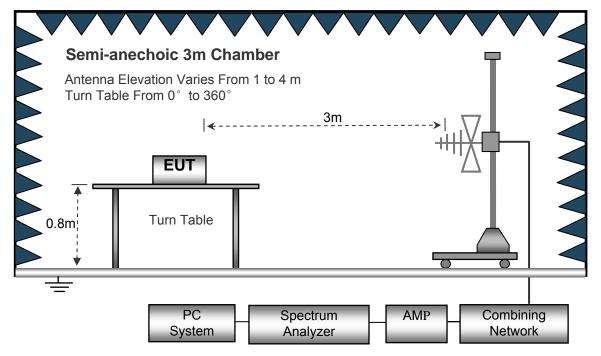
9.2 Test Setup

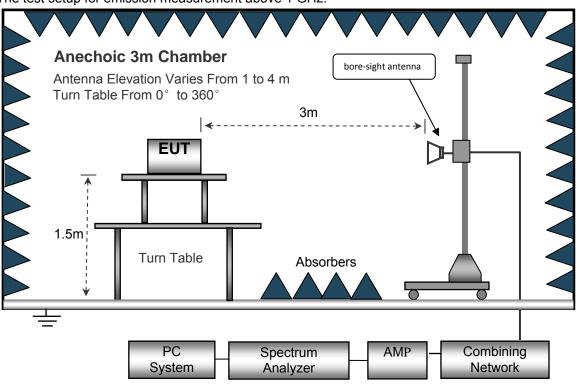
The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10.

The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.





The test setup for emission measurement above 1 GHz.

9.3 Spectrum Analyzer Setup

	•	
Below 30MHz	<u>z</u>	
	Sweep Speed	Auto
	IF Bandwidth	10kHz
	Video Bandwidth	10kHz
	Resolution Bandwidth	10kHz
30MHz ~ 1GH	Hz	
	Sweep Speed	Auto
	Detector	PK
	Resolution Bandwidth	100kHz
	Video Bandwidth	300kHz
Above 1GHz		
	Sweep Speed	Auto
	Detector	PK
	Resolution Bandwidth	1MHz
	Video Bandwidth	3MHz
	Detector	Ave.
	Resolution Bandwidth	1MHz
	Video Bandwidth	10Hz

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9.4 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.

The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.

3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.

4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.

5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

6. Repeat above procedures until the measurements for all frequencies are complete.

7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in Z axis,so the worst data were shown as follow.

8. A 2.4GHz high -pass filter is used druing radiated emissions above 1GHz measurement.

9.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the maximum limit for Class B. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – Limit

9.6 Summary of Test Results

Wifi:

Test Frequency: 9KHz~30MHz

Remark: only the worst data (802.11b/g/n Low channel mode) were recorded.

Frequency	Measurement results dBµV @3m	Detector PK/QP	Correct factor dB/m	Extrapolatio n factor dB	Measurement results (calculated) dBµV/m @30m	Limits dBµV/m @30m	Margin dB
(MHz)	Measurement results	Detector	Correct factor	Extrapolatio n factor	Measurement results (calculated)	Limits	Margin
			802.	11b			
6.022	25.31	QP	21.84	40.00	7.15	29.54	-22.39
8.301	26.32	QP	21.02	40.00	7.34	29.54	-22.20
26.315	25.18	QP	20.55	40.00	5.73	29.54	-23.81
			802.	11g			
6.022	25.51	QP	21.84	40.00	7.35	29.54	-22.19
8.301	26.47	QP	21.02	40.00	7.49	29.54	-22.05
26.315	25.20	QP	20.55	40.00	5.75	29.54	-23.79
			802.11n	(HT20)	,		
6.022	26.14	QP	21.84	40.00	7.98	29.54	-21.56
8.301	25.79	QP	21.02	40.00	6.81	29.54	-22.73
26.315	26.25	QP	20.55	40.00	6.80	29.54	-22.74
			802.11n	(HT40)	,		
6.022	25.52	QP	21.84	40.00	7.36	29.54	-22.18
8.301	26.94	QP	21.02	40.00	7.96	29.54	-21.58
26.315	25.84	QP	20.55	40.00	6.39	29.54	-23.15

Test Frequency : 30MHz ~ 18GHz

F	Receiver	Datastan	Turn	RX An	tenna	Corrected	Compated	FCC F 15.247/2	
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
11b: Low Channel 2412MHz									
224.25	41.06	QP	150	1.7	Н	-11.62	29.44	46.00	-16.56
224.25	36.26	QP	121	1.2	V	-11.62	24.64	46.00	-21.36
4824.00	50.31	PK	114	1.8	V	-1.06	49.25	74.00	-24.75
4824.00	46.36	Ave	114	1.8	V	-1.06	45.30	54.00	-8.70
7236.00	41.25	PK	360	1.7	Н	1.33	42.58	74.00	-31.42
7236.00	41.35	Ave	360	1.7	Н	1.33	42.68	54.00	-11.32
2339.28	45.56	PK	276	1.3	V	-13.19	32.37	74.00	-41.63
2339.28	38.98	Ave	276	1.3	V	-13.19	25.79	54.00	-28.21
2380.95	44.06	PK	59	1.7	Н	-13.14	30.92	74.00	-43.08
2380.95	36.93	Ave	59	1.7	Н	-13.14	23.79	54.00	-30.21
2483.55	42.61	PK	360	1.4	V	-13.08	29.53	74.00	-44.47
2483.55	38.60	Ave	360	1.4	V	-13.08	25.52	54.00	-28.48

F	Receiver	Detector	Turn	RX An	tenna	Corrected	0	FCC F 15.247/20	
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
11b: Middle Channel 2437MHz									
224.25	40.25	QP	215	1.1	Н	-11.62	28.63	46.00	-17.37
224.25	37.26	QP	215	1.8	V	-11.62	25.64	46.00	-20.36
4874.00	50.98	PK	227	1.1	V	-0.62	50.36	74.00	-23.64
4874.00	47.56	Ave	227	1.1	V	-0.62	46.94	54.00	-7.06
7311.00	41.50	PK	24	1.2	Н	2.21	43.71	74.00	-30.29
7311.00	41.53	Ave	24	1.2	Н	2.21	43.74	54.00	-10.26
2310.08	46.99	PK	2	1.6	V	-13.19	33.80	74.00	-40.20
2310.08	39.22	Ave	2	1.6	V	-13.19	26.03	54.00	-27.97
2387.78	43.51	PK	75	1.8	Н	-13.14	30.37	74.00	-43.63
2387.78	38.46	Ave	75	1.8	Н	-13.14	25.32	54.00	-28.68
2486.26	44.09	PK	354	1.4	V	-13.08	31.01	74.00	-42.99
2486.26	38.60	Ave	354	1.4	V	-13.08	25.52	54.00	-28.48

F	Receiver	Datastan	Turn	RX An	tenna	Corrected	Corrected	FCC F 15.247/2	
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
11b: High Channel 2462MHz									
224.25	39.14	QP	45	1.2	Н	-11.62	27.52	46.00	-18.48
224.25	35.83	QP	97	1.4	V	-11.62	24.21	46.00	-21.79
4924.00	50.97	PK	340	1.7	V	-0.24	50.73	74.00	-23.27
4924.00	47.42	Ave	340	1.7	V	-0.24	47.18	54.00	-6.82
7386.00	40.05	PK	67	1.8	Н	2.84	42.89	74.00	-31.11
7386.00	42.55	Ave	67	1.8	Н	2.84	45.39	54.00	-8.61
2327.87	45.57	PK	49	1.8	V	-13.19	32.38	74.00	-41.62
2327.87	38.03	Ave	49	1.8	V	-13.19	24.84	54.00	-29.16
2386.38	43.99	PK	173	1.3	Н	-13.14	30.85	74.00	-43.15
2386.38	36.89	Ave	173	1.3	Н	-13.14	23.75	54.00	-30.25
2496.38	43.83	PK	300	1.3	V	-13.08	30.75	74.00	-43.25
2496.38	38.36	Ave	300	1.3	V	-13.08	25.28	54.00	-28.72

	Receiver	Datastan	Turn table	RX An	tenna	Corrected	Carrantad	FCC Part 15.247/209/205	
Frequency	Reading	Detector	Angle	Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
	11g: Low Channel 2412MHz								
224.25	39.45	QP	136	1.5	Н	-11.62	27.83	46.00	-18.17
224.25	35.57	QP	328	1.5	V	-11.62	23.95	46.00	-22.05
4824.00	51.38	PK	354	2.0	V	-1.06	50.32	74.00	-23.68
4824.00	48.87	Ave	354	2.0	V	-1.06	47.81	54.00	-6.19
7236.00	40.98	PK	73	1.4	Н	1.33	42.31	74.00	-31.69
7236.00	42.88	Ave	73	1.4	Н	1.33	44.21	54.00	-9.79
2345.10	45.72	PK	60	1.2	V	-13.19	32.53	74.00	-41.47
2345.10	38.07	Ave	60	1.2	V	-13.19	24.88	54.00	-29.12
2350.87	43.97	PK	57	1.4	Н	-13.14	30.83	74.00	-43.17
2350.87	38.20	Ave	57	1.4	Н	-13.14	25.06	54.00	-28.94
2497.39	42.23	PK	77	1.1	V	-13.08	29.15	74.00	-44.85
2497.39	38.35	Ave	77	1.1	V	-13.08	25.27	54.00	-28.73

F	Receiver	Datastan	Turn	RX An	tenna	Corrected	0	FCC Part 15.247/209/205	
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
11g: Middle Channel 2437MHz									
224.25	39.73	QP	148	1.0	Н	-11.62	28.11	46.00	-17.89
224.25	35.31	QP	64	1.7	V	-11.62	23.69	46.00	-22.31
4874.00	50.24	PK	201	1.6	V	-0.62	49.62	74.00	-24.38
4874.00	49.13	Ave	201	1.6	V	-0.62	48.51	54.00	-5.49
7311.00	40.84	PK	209	1.8	Н	2.21	43.05	74.00	-30.95
7311.00	43.37	Ave	209	1.8	Н	2.21	45.58	54.00	-8.42
2316.55	45.08	PK	191	1.1	V	-13.19	31.89	74.00	-42.11
2316.55	37.99	Ave	191	1.1	V	-13.19	24.80	54.00	-29.20
2371.24	42.92	PK	30	1.1	Н	-13.14	29.78	74.00	-44.22
2371.24	37.37	Ave	30	1.1	Н	-13.14	24.23	54.00	-29.77
2496.27	42.08	PK	152	1.1	V	-13.08	29.00	74.00	-45.00
2496.27	36.90	Ave	152	1.1	V	-13.08	23.82	54.00	-30.18

F	Receiver	Datastan	Turn	RX An	tenna	Corrected	0	FCC Part 15.247/209/205	
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
11g: High Channel 2462MHz									
224.25	40.00	QP	265	1.7	Н	-11.62	28.38	46.00	-17.62
224.25	35.40	QP	312	2.0	V	-11.62	23.78	46.00	-22.22
4924.00	49.18	PK	287	1.2	V	-0.24	48.94	74.00	-25.06
4924.00	48.43	Ave	287	1.2	V	-0.24	48.19	54.00	-5.81
7386.00	39.57	PK	191	1.3	Н	2.84	42.41	74.00	-31.59
7386.00	43.83	Ave	191	1.3	Н	2.84	46.67	54.00	-7.33
2328.37	46.39	PK	133	1.3	V	-13.19	33.20	74.00	-40.80
2328.37	38.00	Ave	133	1.3	V	-13.19	24.81	54.00	-29.19
2373.93	43.37	PK	355	1.5	Н	-13.14	30.23	74.00	-43.77
2373.93	38.21	Ave	355	1.5	Н	-13.14	25.07	54.00	-28.93
2484.61	43.96	PK	307	1.2	V	-13.08	30.88	74.00	-43.12
2484.61	37.26	Ave	307	1.2	V	-13.08	24.18	54.00	-29.82

F	Receiver	Datastan	Turn	RX An	tenna	Corrected	Corrected	FCC F 15.247/2		
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Amplitude	Limit	Margin	
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
	11n20: Low Channel 2412MHz									
224.25	40.59	QP	333	1.4	Н	-11.62	28.97	46.00	-17.03	
224.25	36.15	QP	37	1.5	V	-11.62	24.53	46.00	-21.47	
4824.00	50.03	PK	44	1.6	V	-1.06	48.97	74.00	-25.03	
4824.00	49.42	Ave	44	1.6	V	-1.06	48.36	54.00	-5.64	
7236.00	38.48	PK	312	1.1	Н	1.33	39.81	74.00	-34.19	
7236.00	42.51	Ave	312	1.1	Н	1.33	43.84	54.00	-10.16	
2314.28	46.21	PK	291	1.2	V	-13.19	33.02	74.00	-40.98	
2314.28	37.06	Ave	291	1.2	V	-13.19	23.87	54.00	-30.13	
2355.29	43.51	PK	152	1.0	Н	-13.14	30.37	74.00	-43.63	
2355.29	38.34	Ave	152	1.0	Н	-13.14	25.20	54.00	-28.80	
2497.57	44.36	PK	94	1.9	V	-13.08	31.28	74.00	-42.72	
2497.57	38.77	Ave	94	1.9	V	-13.08	25.69	54.00	-28.31	

Fraguency	Receiver	er Datastan	Turn	RX Antenna		Corrected		FCC Part 15.247/209/205	
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
	11n20: Middle Channel 2437MHz								
224.25	40.99	QP	137	1.1	Н	-11.62	29.37	46.00	-16.63
224.25	36.90	QP	139	1.9	V	-11.62	25.28	46.00	-20.72
4874.00	51.18	PK	129	1.3	V	-0.62	50.56	74.00	-23.44
4874.00	49.61	Ave	129	1.3	V	-0.62	48.99	54.00	-5.01
7311.00	39.32	PK	245	1.8	Н	2.21	41.53	74.00	-32.47
7311.00	41.13	Ave	245	1.8	Н	2.21	43.34	54.00	-10.66
2314.44	45.63	PK	289	1.9	V	-13.19	32.44	74.00	-41.56
2314.44	39.35	Ave	289	1.9	V	-13.19	26.16	54.00	-27.84
2381.82	44.14	PK	43	1.6	Н	-13.14	31.00	74.00	-43.00
2381.82	38.75	Ave	43	1.6	Н	-13.14	25.61	54.00	-28.39
2495.68	44.07	PK	110	1.2	V	-13.08	30.99	74.00	-43.01
2495.68	38.84	Ave	110	1.2	V	-13.08	25.76	54.00	-28.24

Frequency	Receiver Reading	I Detector	Turn table Angle	RX Antenna		Corrected	0	FCC Part 15.247/209/205	
				Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
	11n20: High Channel 2462MHz								
224.25	42.19	QP	8	1.2	Н	-11.62	30.57	46.00	-15.43
224.25	36.01	QP	227	1.2	V	-11.62	24.39	46.00	-21.61
4924.00	50.82	PK	145	1.6	V	-0.24	50.58	74.00	-23.42
4924.00	51.04	Ave	145	1.6	V	-0.24	50.80	54.00	-3.20
7386.00	38.07	PK	207	1.7	Н	2.84	40.91	74.00	-33.09
7386.00	41.43	Ave	207	1.7	Н	2.84	44.27	54.00	-9.73
2345.02	46.10	PK	176	1.4	V	-13.19	32.91	74.00	-41.09
2345.02	39.83	Ave	176	1.4	V	-13.19	26.64	54.00	-27.36
2358.81	42.74	PK	277	2.0	Н	-13.14	29.60	74.00	-44.40
2358.81	36.64	Ave	277	2.0	Н	-13.14	23.50	54.00	-30.50
2492.11	43.80	PK	132	1.6	V	-13.08	30.72	74.00	-43.28
2492.11	36.18	Ave	132	1.6	V	-13.08	23.10	54.00	-30.90

Fraguency	Receiver	Datastas	Turn	RX Antenna		Corrected		FCC Part 15.247/209/205	
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
	11n40: Low Channel 2422MHz								
224.25	40.79	QP	122	1.2	Н	-11.62	29.17	46.00	-16.83
224.25	36.56	QP	152	1.5	V	-11.62	24.94	46.00	-21.06
4844.00	48.76	PK	84	1.8	V	-1.06	47.70	74.00	-26.30
4844.00	48.35	Ave	84	1.8	V	-1.06	47.29	54.00	-6.71
7266.00	36.83	PK	49	1.0	Н	1.33	38.16	74.00	-35.84
7266.00	38.97	Ave	49	1.0	Н	1.33	40.30	54.00	-13.70
2317.37	45.18	PK	154	1.3	V	-13.19	31.99	74.00	-42.01
2317.37	39.86	Ave	154	1.3	V	-13.19	26.67	54.00	-27.33
2381.22	44.95	PK	10	1.1	Н	-13.14	31.81	74.00	-42.19
2381.22	38.73	Ave	10	1.1	Н	-13.14	25.59	54.00	-28.41
2494.00	44.64	PK	120	1.0	V	-13.08	31.56	74.00	-42.44
2494.00	36.56	Ave	120	1.0	V	-13.08	23.48	54.00	-30.52

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected		FCC Part 15.247/209/205	
				Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
	11n40: Middle Channel 2437MHz								
224.25	41.02	QP	283	1.7	Н	-11.62	29.40	46.00	-16.60
224.25	36.99	QP	197	1.0	V	-11.62	25.37	46.00	-20.63
4874.00	48.50	PK	57	1.8	V	-0.62	47.88	74.00	-26.12
4874.00	47.45	Ave	57	1.8	V	-0.62	46.83	54.00	-7.17
7311.00	36.67	PK	328	1.8	Н	2.21	38.88	74.00	-35.12
7311.00	39.32	Ave	328	1.8	Н	2.21	41.53	54.00	-12.47
2344.24	46.54	PK	226	1.9	V	-13.19	33.35	74.00	-40.65
2344.24	37.16	Ave	226	1.9	V	-13.19	23.97	54.00	-30.03
2377.21	43.94	PK	3	1.4	Н	-13.14	30.80	74.00	-43.20
2377.21	38.06	Ave	3	1.4	Н	-13.14	24.92	54.00	-29.08
2489.44	42.14	PK	41	1.2	V	-13.08	29.06	74.00	-44.94
2489.44	36.70	Ave	41	1.2	V	-13.08	23.62	54.00	-30.38

Fraguana	Receiver	Detector	Turn table Angle	RX Antenna		Corrected		FCC Part 15.247/209/205	
Frequency	Reading			Height	Polar	Factor	Corrected Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
	11n40: High Channel 2452MHz								
224.25	41.85	QP	281	1.9	Н	-11.62	30.23	46.00	-15.77
224.25	37.03	QP	111	1.5	V	-11.62	25.41	46.00	-20.59
4904.00	48.38	PK	276	1.1	V	-0.24	48.14	74.00	-25.86
4904.00	48.41	Ave	276	1.1	V	-0.24	48.17	54.00	-5.83
7356.00	36.93	PK	40	1.2	Н	2.84	39.77	74.00	-34.23
7356.00	39.61	Ave	40	1.2	Н	2.84	42.45	54.00	-11.55
2330.91	45.62	PK	128	1.3	V	-13.19	32.43	74.00	-41.57
2330.91	38.66	Ave	128	1.3	V	-13.19	25.47	54.00	-28.53
2388.85	44.05	PK	217	1.3	Н	-13.14	30.91	74.00	-43.09
2388.85	37.68	Ave	217	1.3	Н	-13.14	24.54	54.00	-29.46
2495.32	44.82	PK	303	2.0	V	-13.08	31.74	74.00	-42.26
2495.32	38.80	Ave	303	2.0	V	-13.08	25.72	54.00	-28.28

Test Frequency: 18GHz~25GHz

The measurements were more than 20 dB below the limit and not reported.

Reference No.: WTS18S03104454W Page 32 of 74

10 Conducted Spurious Emissions

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 DTS Meas Guidance v04 April 5, 2017

Test Result: PASS

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

10.1 Test Procedure

- 1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
- 2. Set the spectrum analyzer:

Blow 30MHz:

RBW = 100kHz, VBW = 300kHz, Sweep = auto

Detector function = peak, Trace = max hold

Above 1GHz:

For WIFI mode

RBW = 100kHz, VBW = 300kHz, Sweep = auto

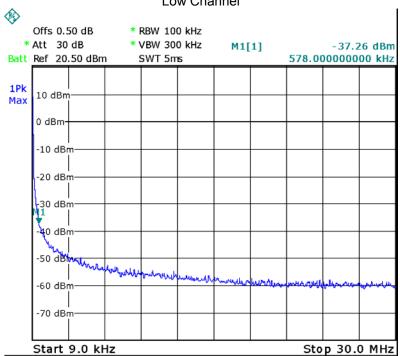
Detector function = peak, Trace = max hold

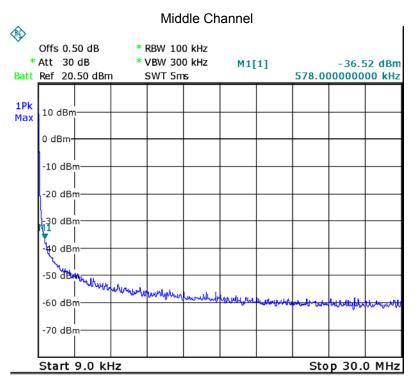
10.2 Test Result

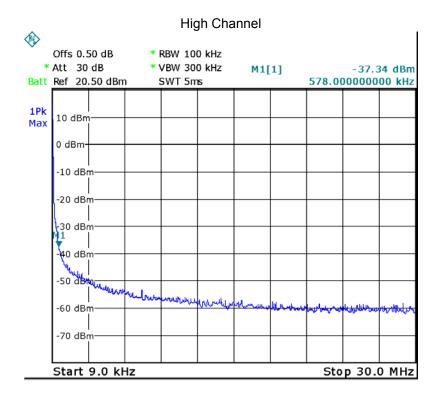
9KHz - 30MHz

802.11b

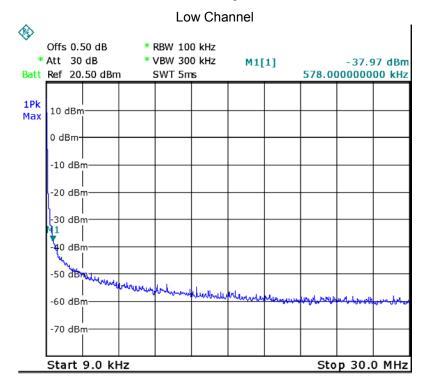
Low Channel

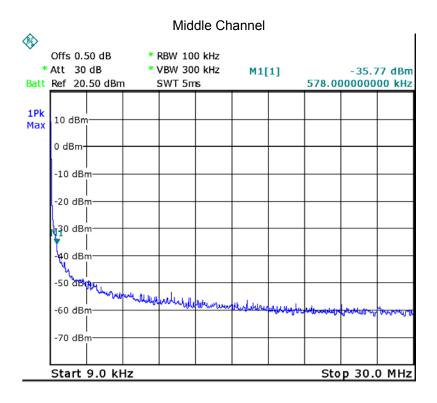


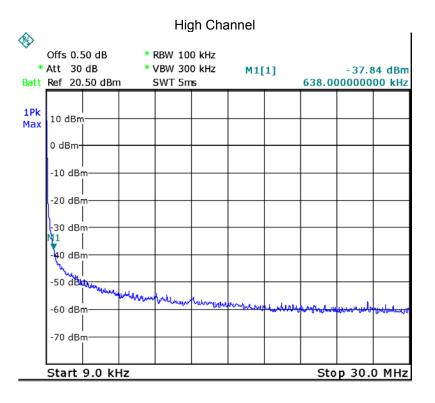




802.11g

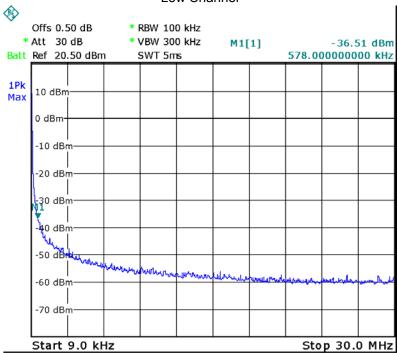


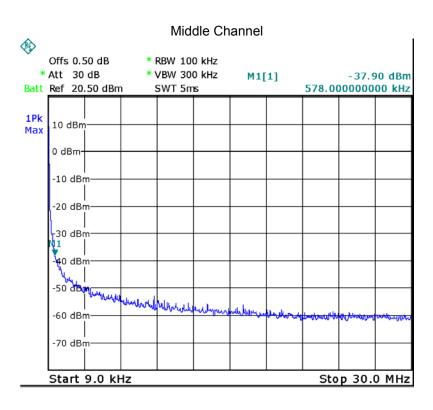


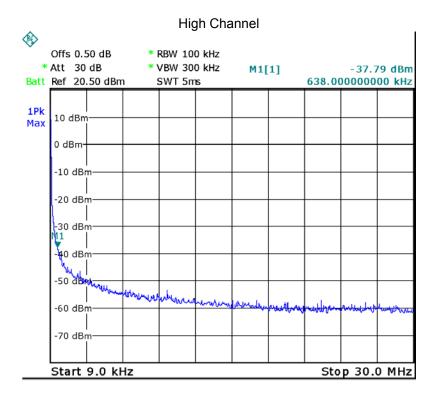


802.11n HT20

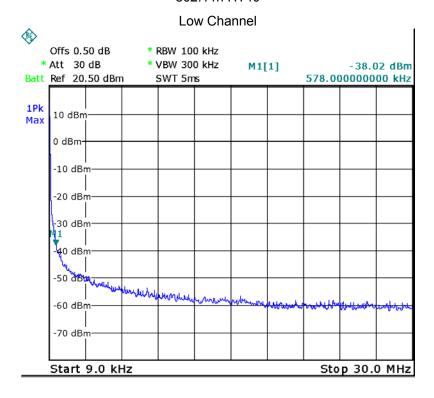
Low Channel

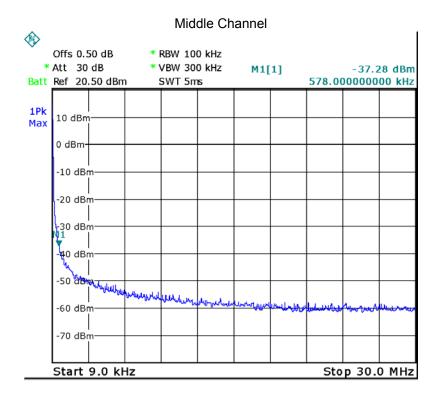


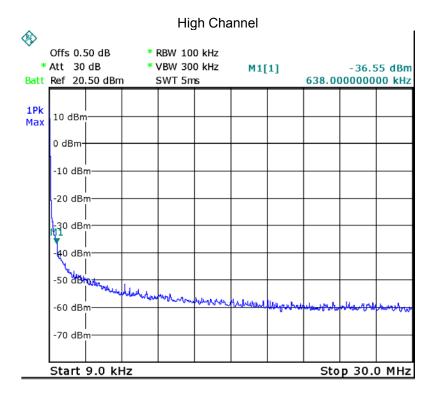




802.11n HT40







Above 30MHz

802.11b

Low Channel







Low Channel

| Street | Source | Sourc





802.11n HT20







802.11n HT40







Reference No.: WTS18S03104454W Page 45 of 74

11 Band Edge Measurement

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 DTS Meas Guidance v04 April 5, 2017

Test Limit: Regulation 15.247 (d),In any 100 kHz bandwidth outside the

frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

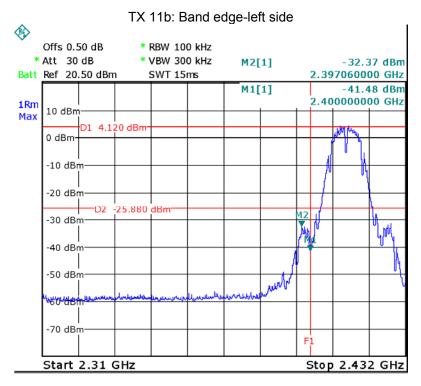
Test Mode: Transmitting

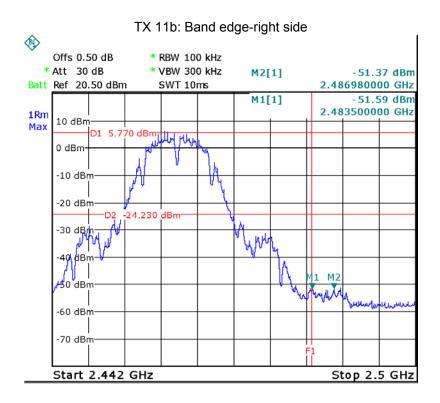
11.1 Test Produce

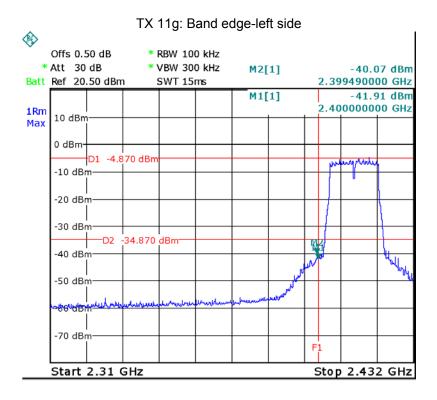
- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- 5. Repeat above procedures until all measured frequencies were complete.

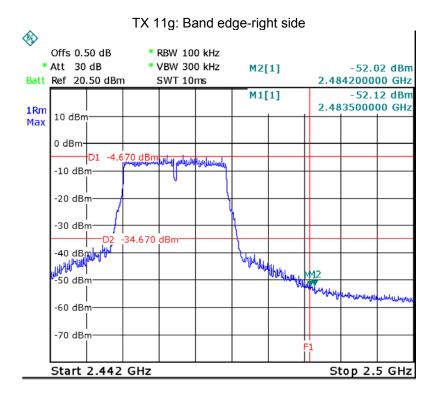
11.2 Test Result

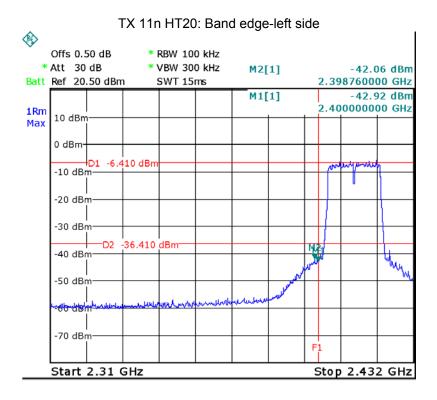
Test result plots shown as follows:

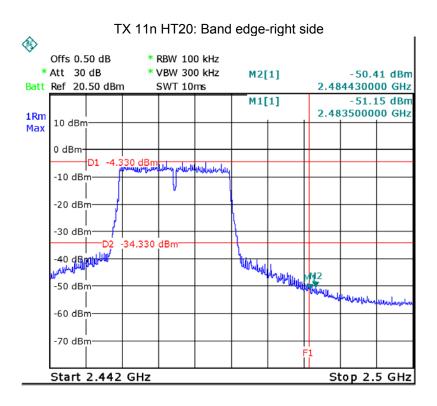


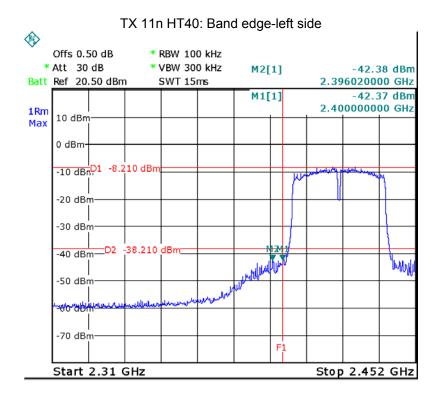


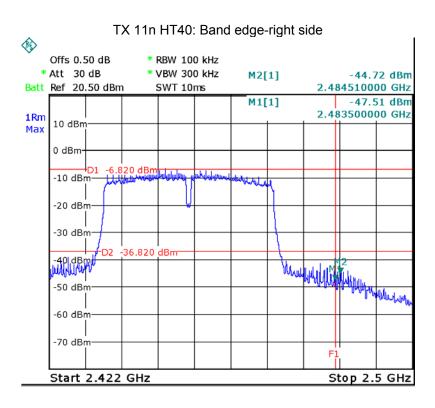












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12 6 dB Bandwidth Measurement

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 DTS Meas Guidance v04 April 5, 2017

12.1 Test Procedure:

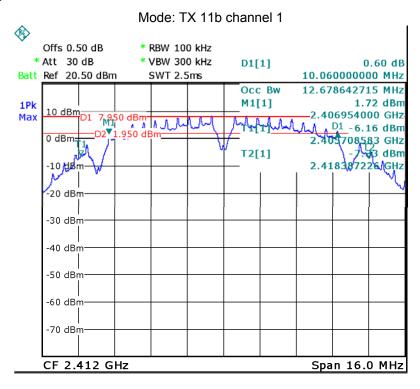
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;

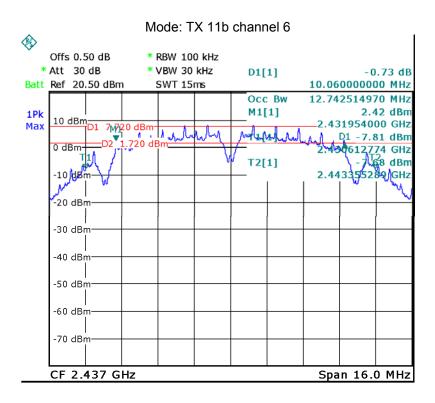
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz

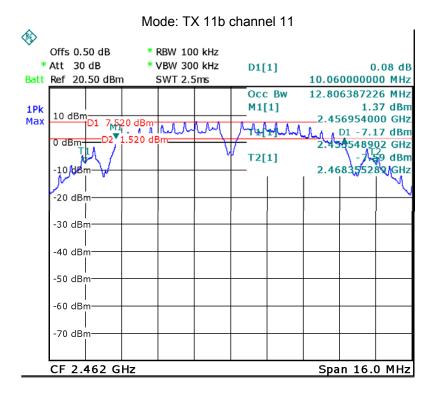
12.2 Test Result:

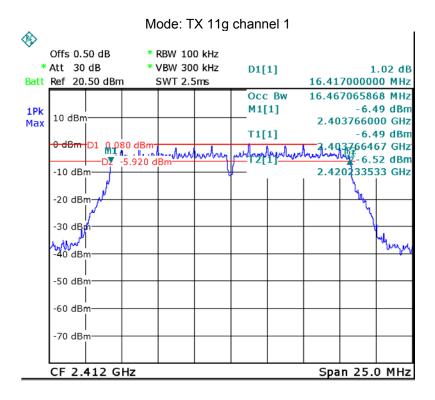
Operation mode	Test Channel	Bandwidth (MHz)
	Channel 1	10.060
TX 11b	Channel 6	10.060
	Channel 11	10.060
TX 11g	Channel 1	16.417
	Channel 6	16.417
	Channel 11	16.417
TX 11n HT20	Channel 1	17.677
	Channel 6	17.677
	Channel 11	17.677
TX 11n HT40	Channel 3	35.020
	Channel 6	35.020
	Channel 9	35.020

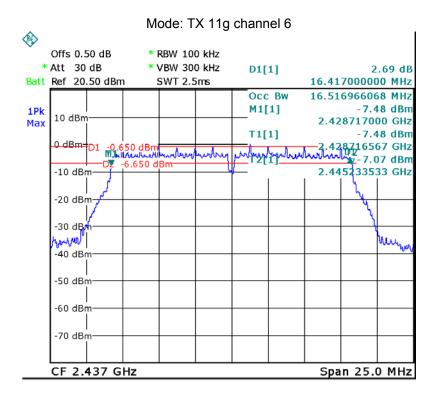
Test result plot:

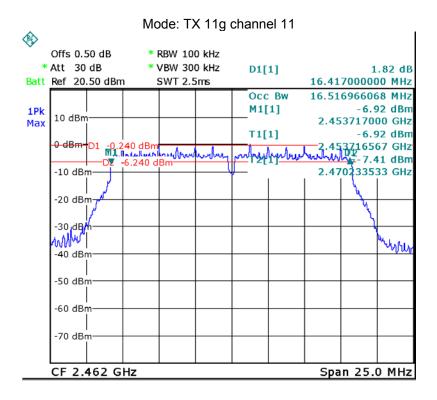


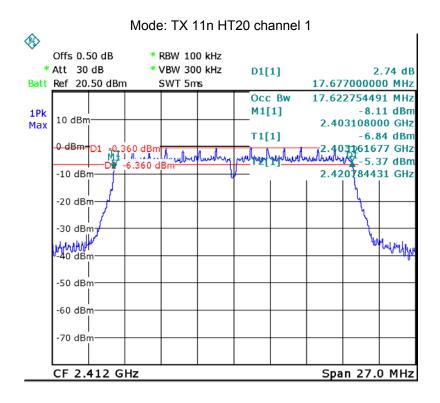


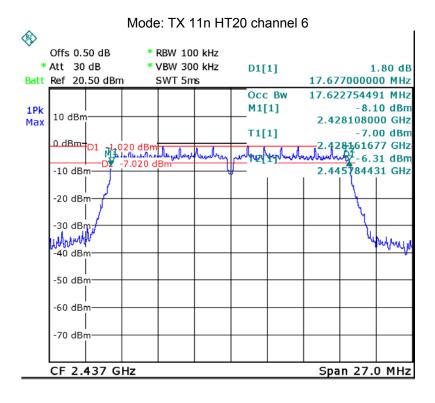


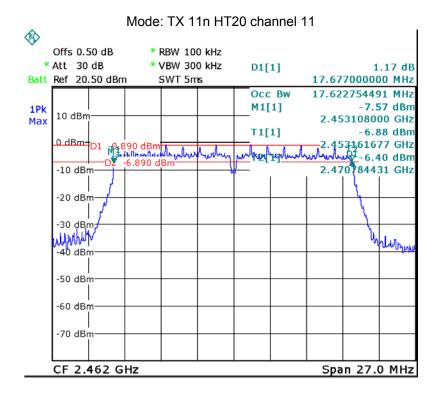


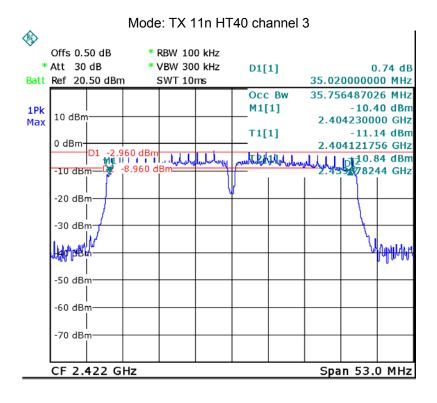


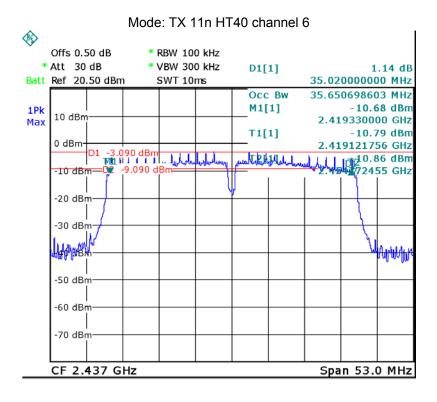


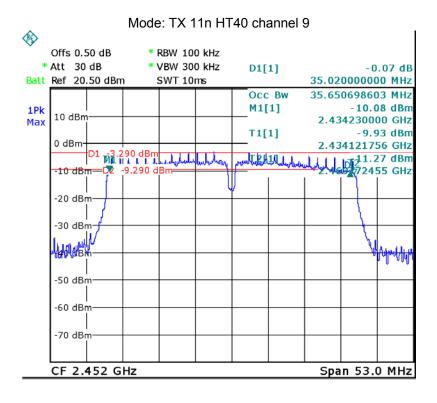












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13 Maximum Peak Output Power

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 DTS Meas Guidance v04 April 5, 2017

13.1 Test Procedure:

KDB 558074 D01 DTS Meas Guidance v04 April 5, 2017

section 9.1.1 (For BLE)

This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.

- a)Set the RBW ≥ DTS bandwidth.
- b)Set VBW \geq 3 RBW.
- c)Set span ≥ 3 x RBW
- d)Sweep time = auto couple.
- e)Detector = peak.
- f)Trace mode = max hold.
- g)Allow trace to fully stabilize.
- h)Use peak marker function to determine the peak amplitude level.

section 9.1.2 (For WIFI)

This procedure may be used when the maximum available RBW of the measurement instrument is less than the DTS bandwidth.

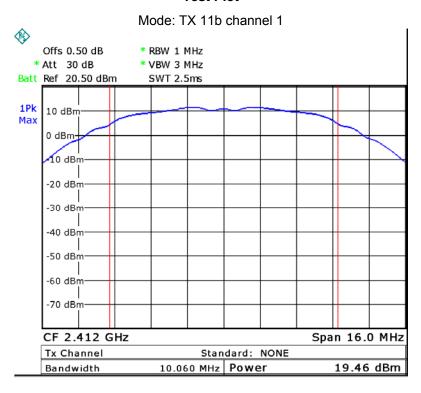
- a)Set the RBW = 1 MHz.
- b)Set the VBW ≥ 3 RBW
- c)Set the span \geq 1.5 x DTS bandwidth.
- d)Detector = peak.
- e)Sweep time = auto couple.
- f)Trace mode = max hold.
- g)Allow trace to fully stabilize.
- h)Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select peak detector). If the instrument does not have a band power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS bandwidth.

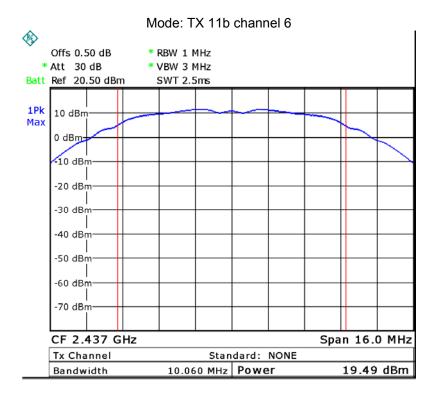
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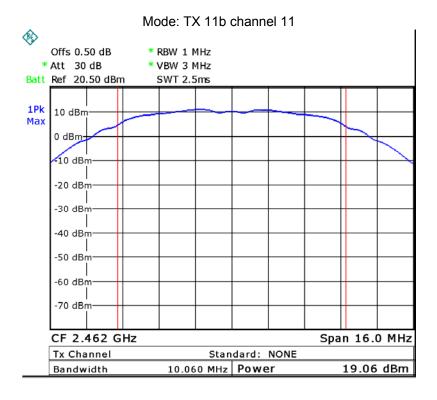
13.2 Test Result:

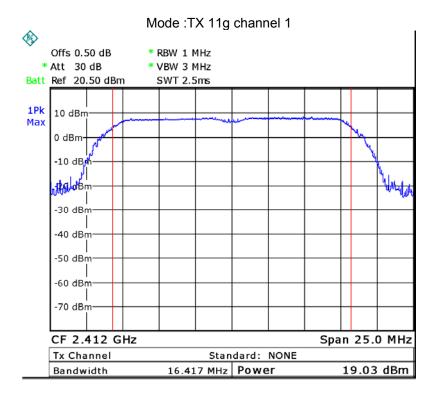
Operation mode	Channel Frequency (MHz)	Maximum Peak Output Power (dBm)	Limit
TX 11b	Low-2412	19.46	1W/30dBm
	Middle-2437	19.49	1W/30dBm
	High-2462	19.06	1W/30dBm
TX 11g	Low-2412	19.03	1W/30dBm
	Middle-2437	18.97	1W/30dBm
	High-2462	18.66	1W/30dBm
TX 11n HT20	Low-2412	18.98	1W/30dBm
	Middle-2437	18.89	1W/30dBm
	High-2462	18.60	1W/30dBm
TX 11n HT40	Low-2422	19.07	1W/30dBm
	Middle-2437	18.95	1W/30dBm
	High-2452	18.84	1W/30dBm

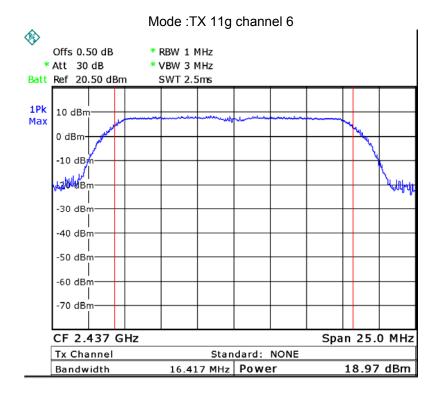
Test Plot

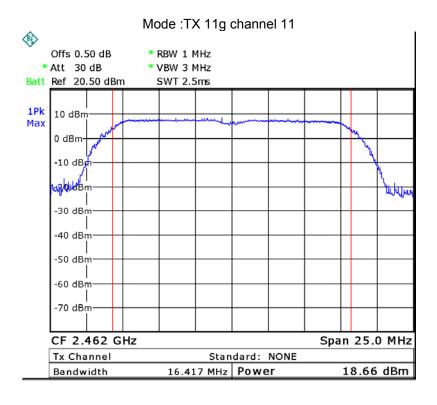


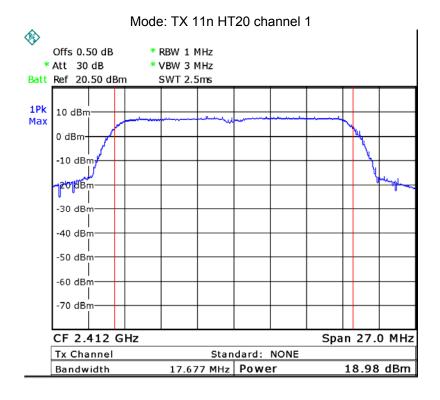


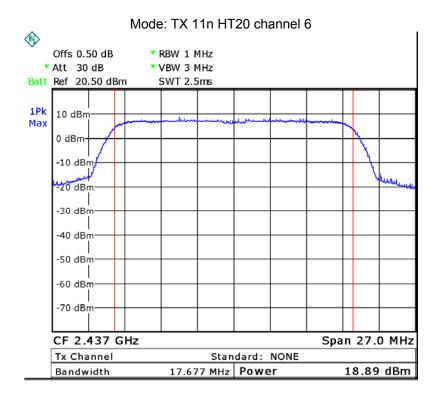


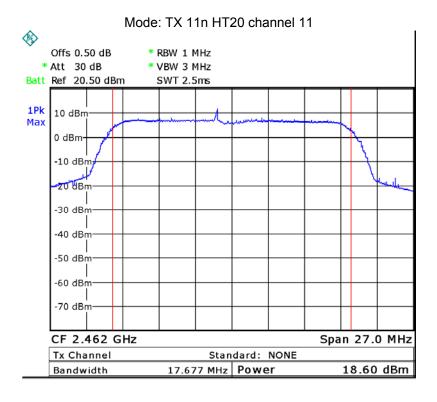


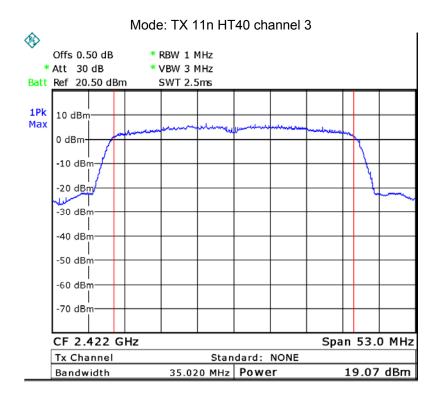


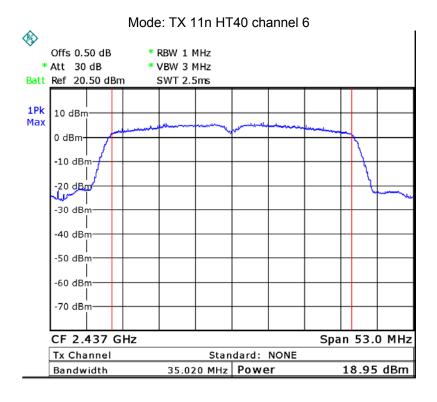


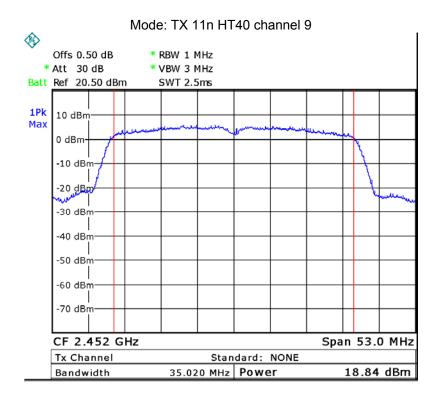












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14 Power Spectral density

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 DTS Meas Guidance v04 April 5, 2017

14.1 Test Procedure:

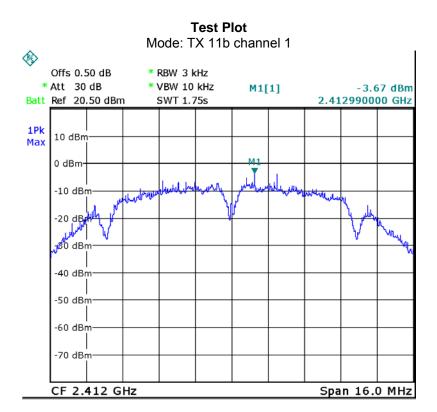
KDB 558074 D01 DTS Meas Guidance v04 April 5, 2017 section 10.2

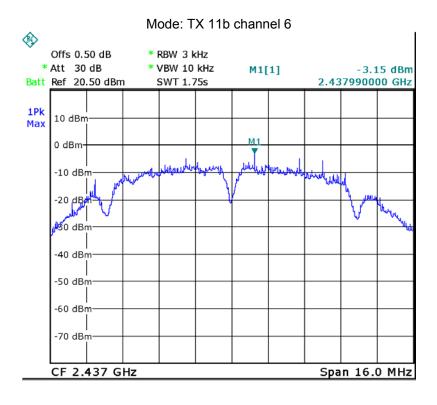
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

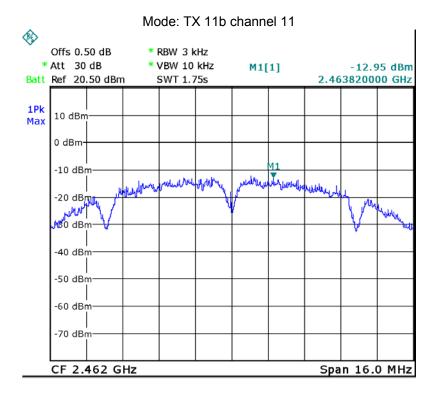
- 2. Set the spectrum analyzer: RBW = 3kHz. VBW = 10kHz , Span = 1.5 times the DTS channel bandwidth(6 dB bandwidth). Sweep = auto; Detector Function = Peak. Trace = Max hold.
- 3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

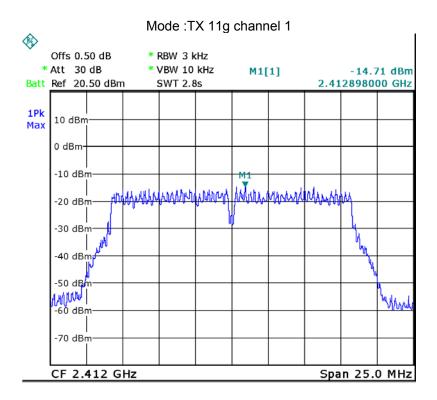
14.2 Test Result:

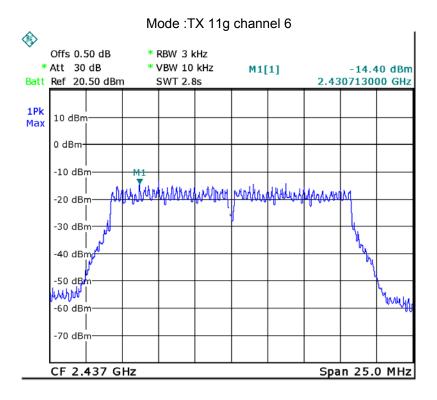
Operation mode	Channel Frequency (MHz)	Power Spectral (dBm per 3kHz)	Limit
TX 11b	Low-2412	-3.67	8dBm per 3kHz
	Middle-2437	-3.15	8dBm per 3kHz
	High-2462	-12.95	8dBm per 3kHz
TX 11g	Low-2412	-14.71	8dBm per 3kHz
	Middle-2437	-14.40	8dBm per 3kHz
	High-2462	-14.42	8dBm per 3kHz
TX 11n HT20	Low-2412	-15.04	8dBm per 3kHz
	Middle-2437	-16.09	8dBm per 3kHz
	High-2462	-16.06	8dBm per 3kHz
TX 11n HT40	Low-2422	-17.21	8dBm per 3kHz
	Middle-2437	-17.48	8dBm per 3kHz
	High-2452	-18.01	8dBm per 3kHz

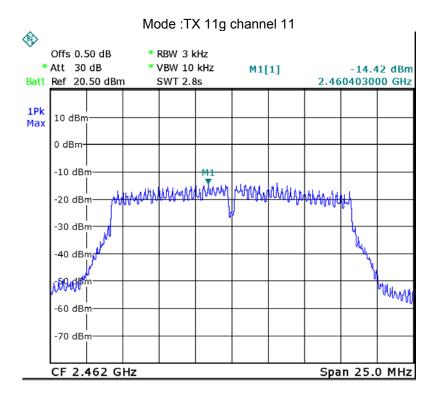


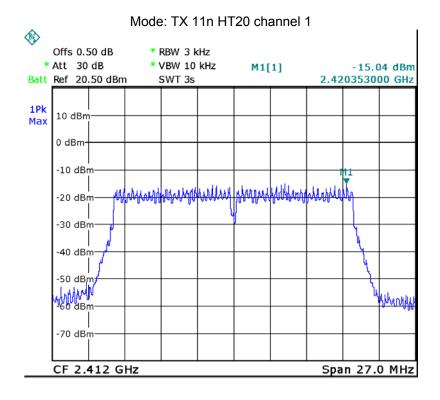


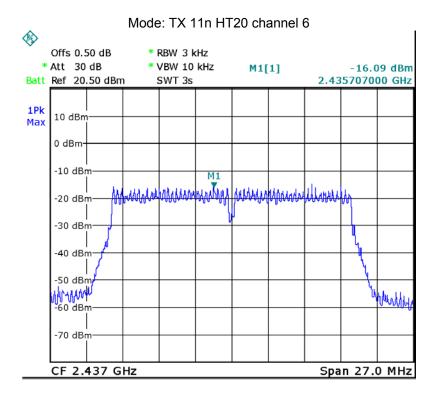


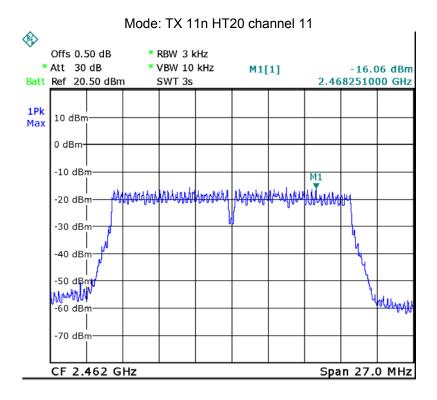


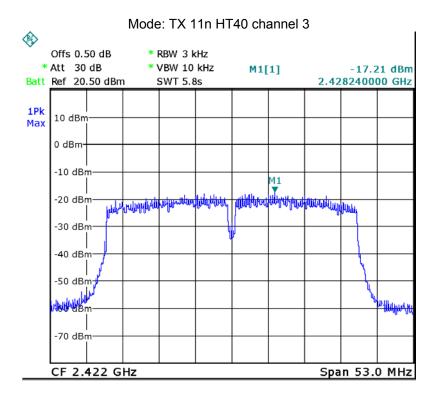


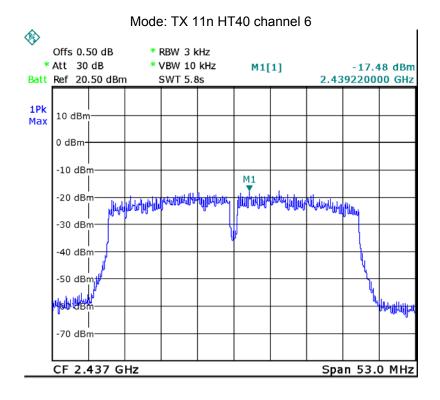


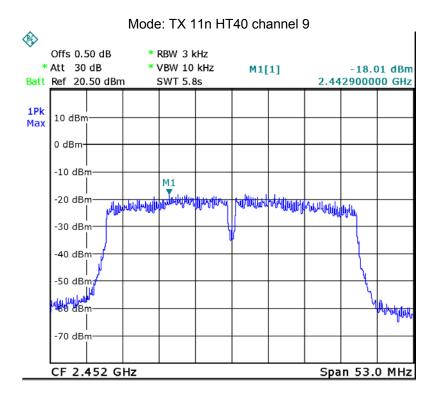












15 Antenna Requirement

According to the FCC Part 15 Paragraph 15.203, 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. This product has an integrated antenna fulfill the requirement of this section.

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16 RF Exposure

Remark: refer to SAR test report: WTS18S03104833W.

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17 Photographs of test setup and EUT.

Note: Please refer to appendix: WTS18S03104454W_Photo.

=====End of Report=====