

FCC Test Report (15.407) - Annex

Report No.: RF140626C16A-3

FCC ID: TE7C9

Test Model: C9

Received Date: Sep. 03, 2014

Test Date: Sep. 18, 2014

Issued Date: June 21, 2016

Applicant: TP-LINK TECHNOLOGIES CO., LTD.

Address: Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

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1 Certificate of Conformity

Product: AC1900 Wireless Dual Band Gigabit Router

Brand: TP-LINK

Test Model: C9

Sample Status: Prototype

Applicant: TP-LINK TECHNOLOGIES CO., LTD.

Manufacturer: TP-LINK TECHNOLOGIES CO., LTD.

Test Date: Sep. 18, 2014

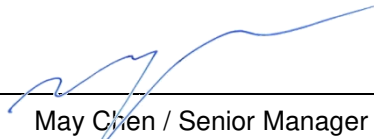
Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

ANSI C63.10:2009

(Test Item: 26dB Bandwidth, Occupied Bandwidth)

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :  , **Date:** June 21, 2016
Claire Kuan / Specialist

Approved by :  , **Date:** June 21, 2016
May Chen / Senior Manager

2 Test Types and Results

2.1 Bandwidth Measurement

2.1.1 Test Result

26dB Bandwidth:

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			Pass / Fail
		Chain 0	Chain 1	Chain 2	
36	5180	20.52	20.49	20.44	Pass
40	5200	20.54	20.44	20.51	Pass
48	5240	20.52	20.54	20.49	Pass

802.11n (HT20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			Pass / Fail
		Chain 0	Chain 1	Chain 2	
36	5180	20.94	20.56	20.67	Pass
40	5200	20.75	20.57	20.60	Pass
48	5240	21.03	20.63	20.80	Pass

802.11n (HT40)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			Pass / Fail
		Chain 0	Chain 1	Chain 2	
38	5190	41.63	41.18	41.20	Pass
46	5230	41.66	41.24	41.00	Pass

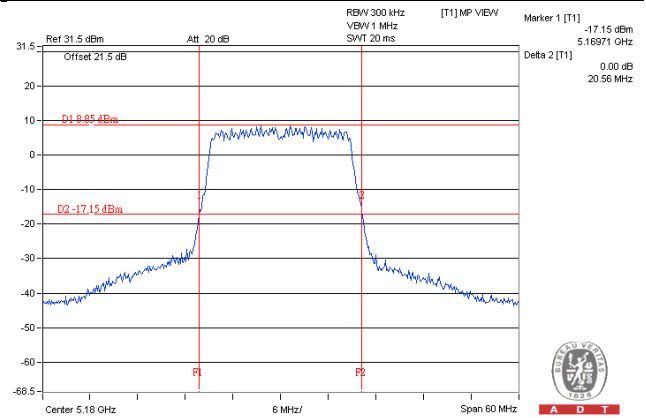
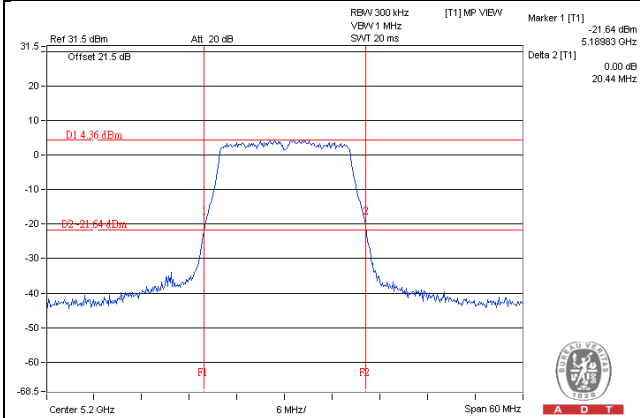
802.11ac (VHT80)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			Pass / Fail
		Chain 0	Chain 1	Chain 2	
42	5210	82.79	82.76	82.62	Pass

Spectrum Plot of Worst Value

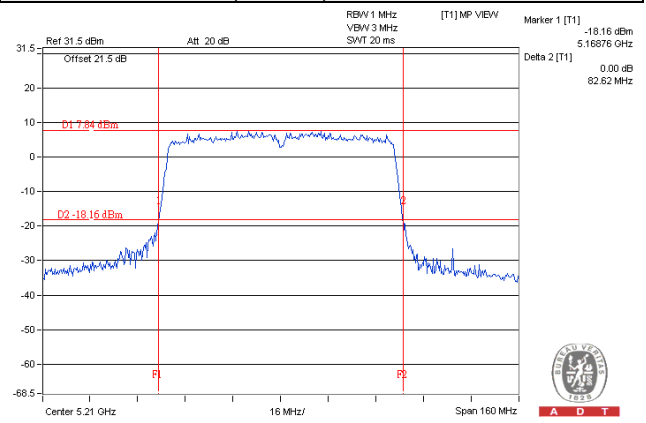
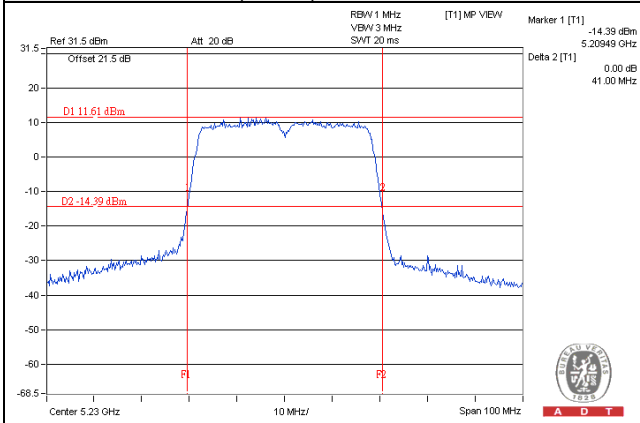
802.11a / Chain 1: CH40

802.11n (HT20) / Chain 1: CH36



802.11n (HT40) / Chain 2: CH46

802.11ac (VHT80) / Chain 2: CH42



Occupied Bandwidth:

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
36	5180	16.80	16.68	16.80
40	5200	16.92	16.80	16.80
48	5240	16.80	16.80	16.80

802.11n (HT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
36	5180	17.88	17.88	18.00
40	5200	17.88	17.88	17.76
48	5240	18.00	17.76	17.88

802.11n (HT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
38	5190	36.60	36.60	36.60
46	5230	36.60	36.60	36.60

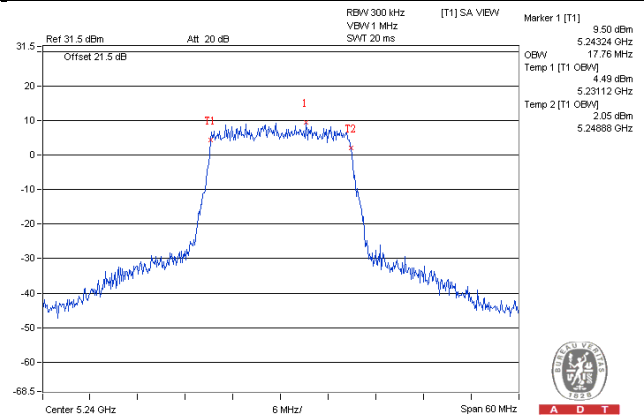
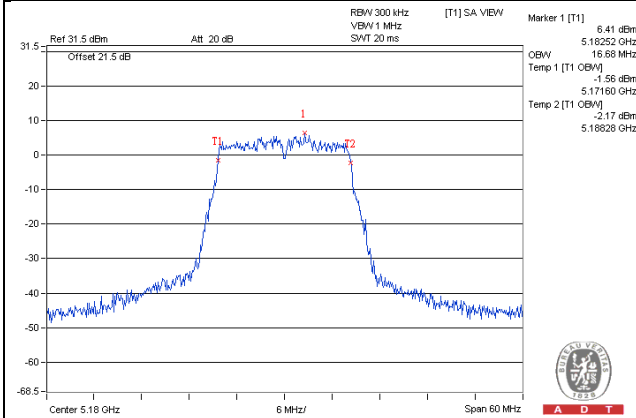
802.11ac (VHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
42	5210	76.08	75.84	75.60

Spectrum Plot of Worst Value

802.11a / Chain 1: CH36

802.11n (HT20) / Chain 1: CH48



802.11n (HT40) / Chain 1: CH38

802.11ac (VHT80) / Chain 2: CH42

