

FCC Test Report (15.407) - Annex

Report No.: RF150408C04-3

FCC ID: TE7RE580D

Test Model: RE580D

Received Date: Apr. 08, 2015

Test Date: May 04 to Aug. 20, 2015

Issued Date: June 22, 2016

Applicant: TP-LINK TECHNOLOGIES CO., LTD.

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

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1 Certificate of Conformity

Product: AC1900 Wi-Fi Range Extender

Brand: TP-LINK

Test Model: RE580D

Sample Status: PROTOTYPE

Applicant: TP-LINK TECHNOLOGIES CO., LTD.

Test Date: May 04 to Aug. 20, 2015

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

ANSI C63.10: 2013

(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: _______, Date: ________, June 22, 2016

Approved by : _______, Date: ______, June 22, 2016

May Chen / Manager



2 Test Types and Results

2.1 Bandwidth Measurement

2.1.1 Test Result

26dB Bandwidth:

CDD Mode

802.11a

Channal	Francisco (MIII-)	26dBc Bandwidth (MHz)		
Channel	Frequency (MHz)	Chain 0 Chain 1 Ch		Chain 2
36	5180	20.51	20.41	20.24
40	5200	20.55	20.42	20.42
48	5240	20.59	20.31	20.31

802.11ac (VHT20)

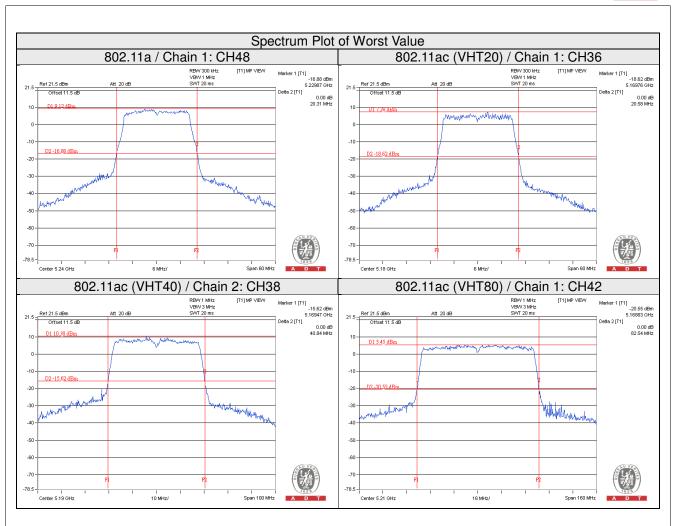
Channel	Fraguency (MHz)	26dBc Bandwidth (MHz)		
Griannei	Frequency (MHz)	Chain 0	Chain 1	Chain 2
36	5180	20.97	20.58	20.62
40	5200	20.80	20.60	20.61
48	5240	20.77	20.63	20.73

802.11ac (VHT40)

Channel	Fraguency (MHz)	26dBc Bandwidth (MHz) Chain 0 Chain 1		Hz)
	Frequency (MHz)			Chain 2
38	5190	41.81	41.26	40.84
46	5230	41.47	41.21	41.48

Channel	Frequency (MHz)	26	26dBc Bandwidth (MHz)	
	rrequericy (Minz)	Chain 0	Chain 1	Chain 2
42	5210	82.90	82.54	82.55







Beamforming Mode

802.11ac (VHT20)

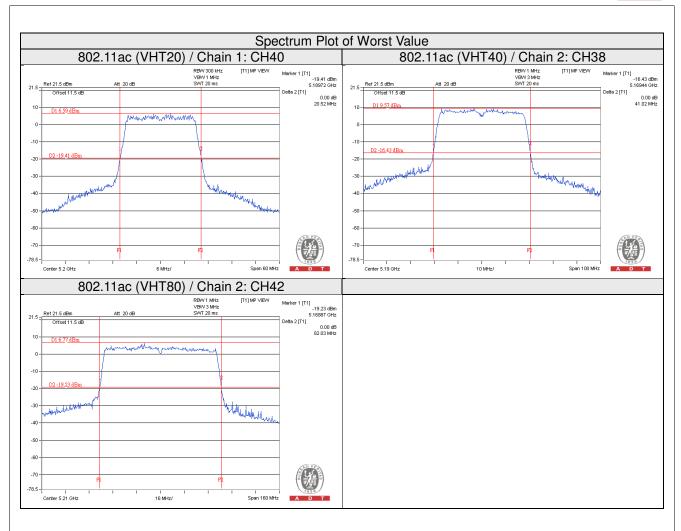
Channel	Fraguenov (MIII-)	26	dBc Bandwidth (MF	Hz)
Gnannei	Frequency (MHz)	Chain 0	Chain 2	
36	5180	20.83	20.69	20.68
40	5200	20.79	20.52	20.80
48	5240	21.20	20.60	20.74

802.11ac (VHT40)

Channel	Fraguanay (MHz)	26dBc Bandwidth (MHz)		Hz)
Gnamei	Frequency (MHz)	Chain 0	Chain 1	Chain 2
38	5190	41.46	41.40	41.02
46	5230	41.30	41.09	41.11

	Channel	Fraguency (MHz)	26	dBc Bandwidth (MF	łz)
		Frequency (MHz)	Chain 0	Chain 1	Chain 2
	42	5210	83.13	82.88	82.03







Occupied Bandwidth:

CDD Mode

802.11a

002.110				
Channal	Fraguency (MIII-)	Occupied Bandwidth (MHz)		
Channel	Frequency (MHz)	Chain 0	Chain 1	Chain 2
36	5180	16.80	16.80	16.68
40	5200	16.92	16.80	16.68
48	5240	16.80	16.80	16.80

802.11ac (VHT20)

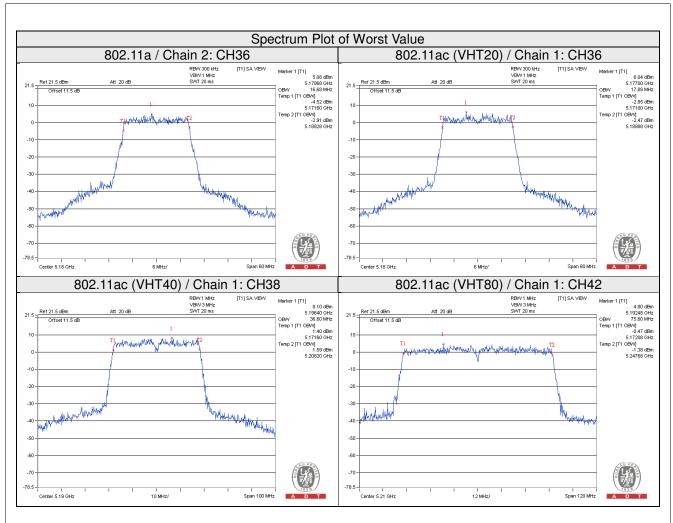
Channel	Fraguency (MUz)	Occupied Bandwidth (MHz)		
Grianner Fred	Frequency (MHz)	Chain 0	Chain 1	Chain 2
36	5180	17.88	17.88	17.88
40	5200	18.00	17.88	17.88
48	5240	17.88	17.88	17.88

802.11ac (VHT40)

Channel	Fraguency (MUz)	Occupied Bandwidth (MHz)		
Chamer	Frequency (MHz)	Chain 0	Chain 1	Chain 2
38	5190	36.60	36.60	36.80
46	5230	36.60	36.60	36.80

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







Beamforming Mode

802.11ac (VHT20)

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

802.11ac (VHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
38	5190	36.60	36.60	36.60
46	5230	36.60	36.80	36.60

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



