
EVALUATION REPORT

FCC ID	PPQ-WCBN3509A
ISED ID	4491A-WCBN3509A
Product name	802.11a/b/g/n/ac 2Tx2R+BT V4.1LE USB Combo Module
Brand Name	LITE-ON
Model Name	WCBN3509A

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report. The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc.(Wugu Laboratory)



Approved by:

A handwritten signature in black ink, appearing to read "Sam Chuang". The signature is fluid and cursive, written over a horizontal line.

Sam Chuang
Manager

Tested by:

A handwritten signature in black ink, appearing to read "Kevin.Kuo". The signature is more blocky and less cursive than the one above, written over a horizontal line.

Kevin Kuo
Engineer

Test Data Re-Use Summary

Differences Brief Description:

The WLAN hardware of this device are identical to the implementation in PPQ-WCBN3509ANB.

The Product Equality Declaration document includes detailed information about the changes between the devices. The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary table below.

Spot Check Verification Result Summary

Equipment Class	Reference FCC ID	Folder Test	Report Title/Section
DTS	PPQ-WCBN3509ANB	WLAN DTS Report	All Section
NII	PPQ-WCBN3509ANB	UNII Report	All Section



Summary of the spot check for Unlicensed bands

Report	Test Item	Channel	Measured Frequency	PPQ-WCBN3509ANB		PPQ-WCBN3509A		Gap (dB)	
				Peak	Average	Peak	Average	Peak	Average
DTS (20MHz)	Band edge	1	2390.000	67.14	50.98	64.33	47.11	2.81	3.87
	RSE	11	9846.000	50.09	-	47.32	-	2.77	-
DTS (40MHz)	Band edge	3	2389.464	70.64	51.53	70.13	50.50	0.51	1.03
	RSE	6	11020.000	52.93	52.00	52.63	51.84	0.3	0.16
UNII (20MHz)	Band edge	36	5149.200	70.70	51.59	67.29	45.19	3.41	6.4
	RSE	36	10360.000	56.41	46.78	54.95	45.78	1.46	1
UNII (40MHz)	Band edge	102	5468.400	70.42	51.58	70.02	50.19	0.4	1.39
	RSE	102	11020.000	60.16	50.11	54.77	44.38	5.39	5.73
UNII (80MHz)	Band edge	106	5465.560	64.73	52.32	62.34	51.68	2.39	0.64
	RSE	106	11060.000	52.47	-	51.15	-	1.32	-