

Test Report No:
2450512R-RFUSV17S-A

RF EXPOSURE EVALUATION DECLARATION

Product Name	Wi-Fi AccessPoint
Brand Name	Verizon
Model No.	CHR30A
FCC ID	NKR-LVSKR5
Applicant's Name / Address	WNC Corporation 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan
Manufacturer's Name / Address	WNC Corporation 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan
Test Method Requested, Standard	FCC CFR Title 47 Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices.
Verdict Summary	IN COMPLIANCE
Documented By	 Vera Hsu
Approved By	 Allen Lin
Date of Receipt	May 21, 2024
Date of Issue	Nov. 24, 2025
Report Version	V1.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Nov. 24, 2025

1. General Information

1.1. EUT Description

RF General Information			
Evaluation Mode	Frequency Range (MHz)	Operating Frequency (MHz)	Modulation Type
WiFi 2.4 GHz	2400 ~ 2483.5	2412 ~ 2462	802.11b: DSSS 802.11g/n, VHT: OFDM 802.11ax/be: OFDMA
WiFi 5 GHz	5150 ~ 5250 5250 ~ 5350 5470 ~ 5725 5725 ~ 5850	5180 ~ 5240 5260 ~ 5320 5500 ~ 5720 5745 ~ 5825	802.11a/n/ac: OFDM 802.11ax/be: OFDMA
WiFi 6 GHz	5925 ~ 7125	5955 ~ 7115	802.11a: OFDM 802.11ax/be: OFDMA
Bluetooth	2400 ~ 2483.5	2402 ~ 2480	LE: GFSK
Thread	2400 ~ 2483.5	2405 ~ 2475	Q-QPSK

Note: The above EUT information is declared by the manufacturer.

1.2. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
Test site number for address 1 includes HC-SR02 and HC-CB10. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, HC-SR10 and HC-SR12.		

2. RF Exposure Evaluation

2.1. Test Limit

(A) Test Limit for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	*(100)	<6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1500	-	-	f/300	<6
1500-100,000	-	-	5	<6

(B) Test Limit for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1500	-	-	f/1500	<30
1500-100,000	-	-	1.0	<30

Note: f = frequency in MHz; *Plane-wave equivalent power density

Power Density (S) is calculated by the following formula:

$$S=(P*G) /4\pi R^2$$

where:

S = power density (in appropriate units, e.g. mW/ cm²)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

π = 3.1416

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

2.2. Test Result of RF Exposure Evaluation

Exposure Environment: General Population / Uncontrolled Exposure

Evaluation Mode	E.I.R.P (dBm)	E.I.R.P (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Test Result (PASS/FAIL)
WiFi 2.4 GHz	35.481	3532.645	0.293	1.000	PASS
WiFi 5 GHz UNII-1	35.281	3373.650	0.279	1.000	PASS
WiFi 5 GHz UNII-2a	29.494	890.020	0.074	1.000	PASS
WiFi 5 GHz UNII-2c	29.029	799.650	0.066	1.000	PASS
WiFi 5 GHz UNII-3	34.481	2806.080	0.232	1.000	PASS
WiFi 6 GHz UNII-5	35.964	3948.208	0.327	1.000	PASS
WiFi 6 GHz UNII-6	29.180	827.942	0.069	1.000	PASS
WiFi 6 GHz UNII-7	35.966	3950.026	0.327	1.000	PASS
WiFi 6 GHz UNII-8	29.130	818.465	0.068	1.000	PASS
Bluetooth LE	26.160	413.048	0.034	1.000	PASS
Thread	26.030	400.867	0.033	1.000	PASS

Distance (cm): **31** for Maximum Permissible Exposure.

Co-location
Conclusion: The formula of calculated the MPE is: CPD1 / LPD1 + CPD2 / LPD2 +etc. < 1 CPD = Calculation power density LPD = Limit of power density Mode 1. WiFi 2.4 GHz + WiFi 5 GHz = 0.293 + 0.279 = 0.572 Mode 2. WiFi 2.4 GHz + WiFi 5 GHz + BLE = 0.293 + 0.279 + 0.034 = 0.606 Mode 3. WiFi 2.4 GHz + WiFi 5 GHz + Thread = 0.293 + 0.279 + 0.033 = 0.605 Mode 4. WiFi 2.4 GHz + WiFi 5 GHz + BLE + Thread = 0.293 + 0.279 + 0.034 + 0.033 = 0.639 Mode 5. WiFi 2.4 GHz + WiFi 5 GHz + WiFi 6 GHz = 0.293 + 0.279 + 0.327 = 0.899 Mode 6. WiFi 2.4 GHz + WiFi 5 GHz + WiFi 6 GHz + BLE = 0.293 + 0.279 + 0.327 + 0.034 = 0.933 Mode 7. WiFi 2.4 GHz + WiFi 5 GHz + WiFi 6 GHz + BLE + Thread = 0.293 + 0.279 + 0.327 + 0.034 + 0.033 = 0.966 Mode 8. WiFi 2.4 GHz + WiFi 6 GHz = 0.293 + 0.327 = 0.620 Mode 9. WiFi 2.4 GHz + WiFi 6 GHz + BLE = 0.293 + 0.327 + 0.034 = 0.654 Mode 10. WiFi 2.4 GHz + WiFi 6 GHz + Thread = 0.293 + 0.327 + 0.033 = 0.653 Mode 11. WiFi 2.4 GHz + WiFi 6 GHz + BLE + Thread = 0.293 + 0.327 + 0.034 + 0.033 = 0.687 Mode 12. WiFi 5 GHz + WiFi 6 GHz = 0.279 + 0.327 = 0.606 Mode 13. WiFi 5 GHz + WiFi 6 GHz + BLE = 0.279 + 0.327 + 0.034 = 0.640 Mode 14. WiFi 5 GHz + WiFi 6 GHz + Thread = 0.279 + 0.327 + 0.033 = 0.639 Mode 15. WiFi 5 GHz + WiFi 6 GHz + BLE + Thread = 0.279 + 0.327 + 0.034 + 0.033 = 0.673 Therefore the maximum calculations of above situations are less than the "1" limit.

Note:

1. The above EUT information is declared by the manufacturer.
2. The results are based on the maximum power.