



FCC RF EXPOSURE REPORT

Applicant : Acer India PVT Limited

Address : Acer India PVT Limited, 6th Floor, Embassy Heights, No. 13, Magrath Road,
Bangalore- 560025, India

Equipment : Wifi module

Model No. : WXT2JM2511, WXT2JM2511(ACER ALTOS EZBA65),
WXT2JM2511(ACER ALTOS EZB65), WXT2JM2511(ALTOS EZBA65),
WXT2JM2511(ALTOS EZB65), WXT2JM2511(ACER ALTOS EZBA75),
WXT2JM2511(ACER ALTOS EZB75), WXT2JM2511(ALTOS EZBA75),
WXT2JM2511(ALTOS EZB75), WXT2JM2511(ACER ALTOS EZBA86),
WXT2JM2511(ACER ALTOS EZB86), WXT2JM2511(ALTOS EZBA86),
WXT2JM2511(ALTOS EZB86), WXT2JM2511(ACER ALTOS EZBA98),
WXT2JM2511(ACER ALTOS EZB98),WXT2JM2511(ALTOS EZBA98),
WXT2JM2511(ALTOS EZB98)

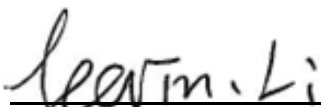
Trade Name : ACER, ALTOS

FCC ID. : 2A94K-WXT2JM2511

I HEREBY CERTIFY THAT:

The sample was received Aug. 05, 2024 and the testing was completed on Aug. 21, 2024 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:



Leevin Li / Supervisor



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History of this test report

Version No.	Report No	Date	Description
Rev.01	24080098-DRFCC06	Aug. 26, 2024	Initial Issue



1. Test Configuration of Equipment under Test

1.1 Feature of Equipment

Equipment	Wifi module
Model Name	WXT2JM2511, WXT2JM2511(ACER ALTOS EZBA65), WXT2JM2511(ACER ALTOS EZB65), WXT2JM2511(ALTOS EZBA65), WXT2JM2511(ALTOS EZB65), WXT2JM2511(ACER ALTOS EZBA75), WXT2JM2511(ACER ALTOS EZB75), WXT2JM2511(ALTOS EZBA75), WXT2JM2511(ALTOS EZB75), WXT2JM2511(ACER ALTOS EZBA86), WXT2JM2511(ACER ALTOS EZB86), WXT2JM2511(ALTOS EZBA86), WXT2JM2511(ALTOS EZB86), WXT2JM2511(ACER ALTOS EZBA98), WXT2JM2511(ACER ALTOS EZB98), WXT2JM2511(ALTOS EZBA98), WXT2JM2511(ALTOS EZB98)
Model Discrepancy	All models are identical to each other except for model name and trade name. Model WXT2JM2511 is the representative for final test.
Frequency Range	BT/BLE/ WIFI 2.4G: 2400MHz-2483.5MHz WIFI 5G: 5150MHz-5250MHz, 5250MHz-5350MHz, 5470MHz -5725MHz, 5725MHz -5850MHz
Modulation Type	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK 2.4GHz 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz 802.11a/n: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Data Rate	BT: GFSK:1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK:3Mbps BLE: GFSK: 1Mbps, 2Mbps, 125kbps, 500kbps WIFI 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6,9,12,18,24,36,48,54Mbps 802.11n: MCS0-MCS15, HT20/HT40 802.11ax: MCS0-MCS11, HE20/HE40 WIFI 5GHz: 802.11a: 6,9,12,18,24,36,48,54Mbps 802.11n: MCS0-MCS15, HT20/HT40 802.11ac: MCS0-MCS9, VHT20/40/80 802.11ax: MCS0-MCS11, HE20/HE40/HE80
Working Temperature	0°C to 60°C
EUT Power Rating:	5V \pm 10%

Note:

1. EUT support Client mode without radar detection.
2. For more details, please refer to the User's manual of the EUT.



1.2 General Information of Test

Test Site	CerpPASS Technology Corporation(CerpPASS Laboratory) Address: Room 102, No. 5, Xing'an Road, Chang'an Town, Dongguan City, Guangdong Province Tel: +86-769-8547-1212 Fax: +86-769-8547-1912
FCC Designation No.:	CN1288
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 9kHz to 40,000MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.



2. Radio Frequency Exposure

Device category	<input type="checkbox"/> Portable (<20cm separation) <input checked="" type="checkbox"/> Mobile (>20cm separation)
Exposure classification	<input type="checkbox"/> Occupational/Controlled exposure (S = 5mW/cm ²) <input checked="" type="checkbox"/> General Population/Uncontrolled exposure (S=1mW/cm ²)
Antenna diversity	<input type="checkbox"/> Single antenna <input checked="" type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input checked="" type="checkbox"/> Tx/Rx diversity
Evaluation applied	<input checked="" type="checkbox"/> MPE Evaluation* <input type="checkbox"/> SAR Evaluation <input type="checkbox"/> N/A

TEST RESULTS

No non-compliance noted.

Calculation

Given $E = \frac{\sqrt{30 \times P \times G}}{d}$ & $S = \frac{E^2}{3770}$

Where $E =$ Field strength in Volts / meter
 $P =$ Power in Watts
 $G =$ Numeric antenna gain
 $d =$ Distance in meters
 $S =$ Power density in milliwatts / square centimeter

Combining equations and re-arranging the terms to express the distance as a function of the remaining variables yields:

$$S = \frac{30 \times P \times G}{3770d^2}$$

Changing to units of mW and cm, using:

$$P (mW) = P (W) / 1000 \text{ and}$$

$$d (cm) = d(m) / 100$$

Yields

$$S = \frac{30 \times (P/1000) \times G}{3770 \times (d/100)^2} = 0.0796 \times \frac{P \times G}{d^2} \quad \text{Equation 1}$$

Where $d =$ Distance in cm
 $P =$ Power in mW
 $G =$ Numeric antenna gain
 $S =$ Power density in mW / cm²



Maximum Permissible Exposure

Bluetooth

Channel Frequency (MHz)	Max. Conducted output power (dBm)	Max. Tune up power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2402-2480 (BR/EDR)	8.947	9.947	4.01	20	0.005	1
2402-2480 (BLE)	8.000	9.000	4.01	20	0.004	1

Wlan

Channel Frequency (MHz)	Max. Conducted output power (dBm)	Max. Tune up power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)
2412-2462	23.799	24.799	4.98	20	0.189
5150-5250	17.552	18.552	6.51	20	0.064
5250-5350	18.435	19.435	6.51	20	0.078
5470-5725	17.682	18.682	6.26	20	0.062
5725-5850	16.505	17.505	6.16	20	0.046

Maximum Permissible Exposure (Co-location)

the sum of the ratios of the spatially averaged results to the applicable frequency dependent MPE limits :

Simultaneous transmission mode	The sum of the ratios	Result
Bluetooth +WLAN	0.005/1+0.189/1	0.194 < 1

Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

-----End of the report -----