

## TECHNICAL ACCEPTANCE CERTIFICATE

## CERTIFICAT D'ACCEPTABILITÉ TECHNIQUE

|   |  |                               |                  |             |
|---|--|-------------------------------|------------------|-------------|
| CERTIFICATION No.<br>No. DE CERTIFICATION | 2648C-11AXAP2246E  |                               |                  |             |
| TELEFICATION No.<br>No. DE TELEFICATION   | 222171534/AA/00  |                               |                  |             |
| TEST SITE No.<br>No. DE LABORATOIRE       | TW2732   |                               |                  |             |
| ISSUED TO<br>DÉLIVRÉ A                    | Zyxel Communications Corporation<br>No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan |                               |                  |             |
| TYPE OF EQUIPMENT<br>GENRE DE MATÉRIEL    | Bluetooth device<br>Local Area Network (LAN) Device<br>Spread Spectrum or Digital Device (2400-2483.5 MHz) |                               |                  |             |
| TRADE NAME AND MODEL<br>MARQUE ET MODELE  | ZYXEL / WAX640S-6E   |                               |                  |             |
| CERTIFIED TO<br>CERTIFIÉ SELON LE         | SPECIFICATION<br>CAHIER DES CHARGES  | RSS-102<br>RSS-247<br>RSS-248 | ISSUE<br>EDITION | 5<br>2<br>1 |

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the ISED issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by ISED. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by ISED.

La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'ISDE et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'ISDE. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par ISDE.

ISSUED BY TELEFICATION BV (NL0001), RECOGNIZED CERTIFICATION BODY BY INNOVATION, SCIENCE AND ECONOMIC DEVELOPMENT CANADA, ACCORDING THE CANADIAN CERTIFICATION BODY SCHEME (CB-02).  
DÉLIVRÉ PAR TELEFICATION BV (NL0001), ORGANISME DE CERTIFICATION RECONNU PAR INNOVATION, SCIENCES ET DÉVELOPPEMENT ÉCONOMIQUE CANADA, SELON LE SYSTÈME D'ORGANISME DE CERTIFICATION DE CANADA (CB-02).

*I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.  
J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus*

DATE 26 Aug 2022 BY

Ron Scheepers  
Managing director

This certificate has one annex.



TEST REPORTS  
RAPPORTAGE DE TEST

- International Certification Corp.: CR251701AC, 09 August 2022
- International Certification Corp.: CR251701AE, 09 August 2022
- International Certification Corp.: CR251701AN, 09 August 2022
- International Certification Corp.: CR251701AO, 09 August 2022
- International Certification Corp.: CR251701CO, 09 August 2022
- International Certification Corp.: CZ251701, 09 August 2022
- International Certification Corp.: CA251701, 09 August 2022

| FREQUENCY RANGE BANDE DE FRÉQUENCES | EMISSION DESIGNATION DESIGNATION D'ÉMISSION | R.F. POWER RATING PUISSANCE NOMINALE H.F. |
|-------------------------------------|---|---|
| 2402-2480 MHz                       | 2M01F1D                                     | 0.002 W                                   |
| 2412-2462 MHz                       | 13M1G1D                                     | 0.341 W                                   |
| 2412-2462 MHz                       | 18M8D1D                                     | 0.349 W                                   |
| 2422-2452 MHz                       | 37M4D1D                                     | 0.327 W                                   |
| 5180-5240 MHz                       | 18M9D1D                                     | 0.143 W                                   |
| 5190-5230 MHz                       | 37M7D1D                                     | 0.196 W                                   |
| 5210 MHz                            | 76M9D1D                                     | 0.179 W                                   |
| 5250 MHz                            | 78M0D1D                                     | 0.153 W                                   |
| 5260-5320 MHz                       | 18M9D1D                                     | 0.048 W                                   |
| 5270-5310 MHz                       | 37M7D1D                                     | 0.050 W                                   |
| 5290 MHz                            | 76M9D1D                                     | 0.049 W                                   |
| 5250 MHz                            | 78M2D1D                                     | 0.050 W                                   |
| 5500-5580 MHz                       | 18M9D1D                                     | 0.172 W                                   |
| 5510-5550 MHz                       | 37M7D1D                                     | 0.239 W                                   |
| 5530 MHz                            | 76M8D1D                                     | 0.146 W                                   |
| 5660-5720 MHz                       | 18M9D1D                                     | 0.175 W                                   |
| 5670-5710 MHz                       | 37M7D1D                                     | 0.218 W                                   |
| 5690 MHz                            | 72M7D1D                                     | 0.216 W                                   |
| 5745-5825 MHz                       | 23M2D1D                                     | 0.353 W                                   |
| 5755-5795 MHz                       | 38M1D1D                                     | 0.335 W                                   |
| 5775 MHz                            | 77M0D1D                                     | 0.226 W                                   |
| 5935-7115 MHz                       | 19M1D1D                                     | 0.070 W                                   |
| 5965-7085 MHz                       | 37M9D1D                                     | 0.134 W                                   |
| 5985-7025 MHz                       | 77M6D1D                                     | 0.260 W                                   |
| 6025-6985 MHz                       | 156MD1D                                     | 0.446 W                                   |

ANTENNA INFORMATION  
INFORMATION D'ANTENNE

DNI, P3, PIFA, max gain of 1.20 dBi at 2.4 GHz  
DNI, P9, PIFA, max gain of 1.14 dBi at 2.4 GHz  
DNI, P4, PIFA, max gain of 5.57 dBi at 5 GHz  
DNI, P6, PIFA, max gain of 5.51 dBi at 5 GHz  
DNI, P11, PIFA, max gain of 6.22 dBi at 5 GHz  
DNI, P12, PIFA, max gain of 6.29 dBi at 5 GHz  
DNI, P1, PIFA, max gain of 4.21dBi at 6 GHz  
DNI, P2, PIFA, max gain of 3.95 dBi at 6 GHz  
DNI, P5, PIFA, max gain of 4.07 dBi at 6 GHz  
DNI, P7, PIFA, max gain of 3.14 dBi at 6 GHz  
DNI, P8, PIFA, max gain of 3.62 dBi at 6 GHz  
DNI, P10, PIFA, max gain of 2.18 dBi at 6 GHz  
DNI, WAX640S-6E-ANT, PIFA, max gain of 3 dBi at 2.4 GHz

REMARKS  
REMARQUES

DFS: Master.  
Device supports MIMO function.  
Device is restricted to indoor use only.