

TECHNICAL ACCEPTANCE
CERTIFICATE

CERTIFICAT D'ACCEPTABILITÉ
TECHNIQUE

CERTIFICATION No. No. DE CERTIFICATION	3147A-MSD45N			
TELEFICATION No. No. DE TELEFICATION	13217196/AA/02			
TEST SITE No. No. DE LABORATOIRE	10807A-1			
ISSUED TO DÉLIVRÉ A	LAIRD TECHNOLOGIES			
TYPE OF EQUIPMENT GENRE DE MATÉRIEL	Local Area Network (LAN) Device Full Modular Approval Spread Spectrum or Digital Device (2400-2483.5 MHz)			
TRADE NAME AND MODEL MARQUE ET MODELE	Laird / MSD45N			
CERTIFIED TO CERTIFIÉ SELON LE	SPECIFICATION CAHIER DES CHARGES	RSS-102 RSS-247	ISSUE EDITION	5 2

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
DÉLIVRÉ PAR TELEFICATION BV (NL0001), ORGANISME DE CERTIFICATION RECONNU PAR INNOVATION, SCIENCES ET DÉVELOPPEMENT ÉCONOMIQUE CANADA

*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 07 Jun 2018 BY

George Chen
Manager Taiwan

This certificate has one annex.



TEST REPORTS
RAPPORTAGE DE TEST

- International Certification Corp.: CR371704-05AC, 15 May 2018
- International Certification Corp.: CR371704-05AN, 15 May 2018
- International Certification Corp.: CZ371704-05, 15 May 2018

FREQUENCY RANGE BANDE DE FRÉQUENCES	EMISSION DESIGNATION DESIGNATION D'ÉMISSION	R.F. POWER RATING PUISSANCE NOMINALE H.F.
2412-2462 MHz (11 channels)	14M0G1D	0.076 W
2412-2462 MHz (11 channels)	23M5D1D	0.182 W
5180-5240 MHz (4 channels)	18M2D1D	0.111 W
5260-5320 MHz (4 channels)	18M1D1D	0.048 W
5500-5580 MHz (5 channels)	18M1D1D	0.062 W
5660-5700 MHz(3 channels)	18M0D1D	0.051 W
5745-5825 MHz(5 Channels)	18M3D1D	0.073 W

ANTENNA INFORMATION
INFORMATION D'ANTENNE

Antennas for IEEE 802.11b/g/n (20 / 40 MHz):
Dipole antenna, max gain of 2 dBi at 2.4 GHz and max gain of 2 dBi at 5 GHz

Antennas for IEEE 802.11b/g/n (20 / 40 MHz):
PCB Dipole, max gain of 2 dBi at 2.4 GHz

Antennas for IEEE 802.11 a/b/g/n (20/40 MHz):
PCB Dipole, max gain of 2 dBi at 2.4 GHz and max gain of 4 dBi at 5 GHz

Antennas for IEEE 802.11 a/b/g/n (20/40 MHz):
PCB Dipole, max gain of 2.21 dBi at 2.4 GHz and max gain of 2.21 dBi at 5 GHz

Antennas for IEEE 802.11 a/b/g/n (20/40 MHz):
PCB Dipole, max gain of 2.79 dBi at 2.4 GHz and max gain of 3.38 dBi at 5 GHz

Antennas for IEEE 802.11 a/b/g/n (20/40 MHz):
PIFA antenna, max gain of 2.5 dBi at 2.4 GHz and max gain of 3.5 dBi at 5 GHz

Antennas for IEEE 802.11 a/b/g/n (20/40 MHz):
Dipole antenna, max gain of 1.87 dBi at 2.4 GHz and max gain of 0.94 dBi at 5 GHz

Antennas for IEEE 802.11 a/b/g/n (20/40 MHz):
Dipole antenna, max gain of 1.32 dBi at 2.4 GHz and max gain of 2.75 dBi at 5 GHz

Antennas for IEEE 802.11 a/b/g/n (20/40 MHz):
PCB Dipole, max gain of 0.8 dBi at 2.4 GHz and max gain of 3.3 dBi at 5 GHz

REMARKS
REMARQUES

Modular Approval.

C2PC: 1) Standard upgraded to RSS 247 Issue 2 and the trade name has been changed from Laird Technologies to Laird. 2) New antennas have been added. Neither circuit design nor main function has been changed.