

<FCC>

OEM/Integrators Installation Manual (KDB Publication 996369 D03, Section 2)

FCC ID: CWTUKCZB1A

1. List of applicable FCC rules.

This module operates under the provisions of FCC Part 15.255 for unlicensed millimeter wave devices.

2. Summarize the specific operational use conditions.

This transmitter is approved to operate only with the antenna integrated into the module. Use of other antennas is prohibited without additional FCC authorization. The device must be installed to ensure a minimum separation distance of 20 cm from users. Co-location with other antennas or transmitters is not permitted. No professional installation is required unless specified.

3. Limited Module Procedures.

This module is a Full Modular Approval (MA); therefore, limited module procedures are not applicable.

4. Trace antenna designs.

Not applicable

5. RF exposure considerations.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. Installation and operation must ensure a minimum separation distance of 20 cm between the radiator and any person. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. Host product integrators must include these RF exposure instructions in their end-user documentation.

6. Antennas.

- Antenna Type: Folded dipole antennas, integrated in the package (AiP)
- Number of Antennas: 3 Tx, 4 Rx
- Antenna Placement: In-package, no external connectors
- Operating Frequency Band: 57–64 GHz (mmWave band)

• Antenna Gain and Beamwidth

Band	TX HPBW (E-plane)	TX HPBW (H-plane)	RX Gain Range	TX EIRP (per TX)
60 GHz	60°	70°	10–80 dB	19 dBm

7. Label and compliance information.

This 60GHz module is too small to display the FCC ID directly on the product. In addition, it is not feasible to place the FCC ID on the module enclosure, as doing so could

adversely affect RF performance. Under these circumstances, we will state FCC ID: CWTF250X in the user manual and on the packing box in accordance with §2.925(f) and KDB784748 D01, Session 3.

The following statement must also appear either on the host device, in the manual, or on packaging if size constraints exist:

Contains FCC ID:CWTUKCZB1A

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

8. Information on test modes and additional testing requirements.

The module supports test modes for stand-alone and host-based evaluation. Detailed instructions for enabling test modes will be provided upon request.

Host integrators must ensure compliance with Part 15 radiated emissions and RF exposure when the module is installed. If used in combination with other transmitters, simultaneous transmission evaluation is required.

9. Additional testing, Part 15 Subpart B disclaimer.

This module is authorized under FCC Part 15.255 for intentional radiators. It is the responsibility of the host manufacturer to ensure compliance with FCC Part 15 Subpart B for unintentional radiators, such as digital circuits. If the host manufacturer claims Part 15 Subpart B compliance, the host device must be tested with the module installed.

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

<ISED>

IC:1788F-UKCZB1A

HVIN: UKCZB1A

PMN: UKCZB1A

This device complies with part 15 of FCC Rules and Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme à la partie 15 des règles de la FCC et aux normes des CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage, et
- (2) L'appareil doit accepter tout brouillage subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This module should be installed and operated with minimum distance 20cm between the radiator and your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE puisque cet appareil. Ce module doit être installé et utilisé en respectant une distance minimale de 20 cm entre le radiateur et votre corps.