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FCC ID : VVG608TX

Model : 608

Type of Equipment: Wireless Thermometer hygrometer

Applicant: SHENZHEN SAN FU DA ELECTRONICS CO., LTD

Request for Limited Modular Transmitter Approval

The modular transmitter is designed by Shenzhen San Fu Da Electronics Co., Ltd. This modular transmitter is not provided for OEM. This modular transmitter will only be installed in a dehumidifier which is produced by a specific manufacturer.

The modular transmitter complies with the module basic requirements (item 1 to 8) in FCC Part 15 Section 15.212 for modular transmitters.

Module basic requirements

1. Have its own RF shielding: The modular transmitter does not have its own RF shielding. The Grantee will retain control over the final installation of the device. The module is only approved for use when installed in devices produced by a specific manufacturer. Full compliance of the end product is always ensured.
2. The modular transmitter must have buffered modulation/data inputs: Data input to the modular transmitter is controlled as not generating excessive data rates or over-modulation.
3. The modular transmitter must have its own power supply regulation: The modular transmitter has its own power supply regulation to provide stable 3 V. Pls. refer to the schematic.
4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c): The antenna is permanently attached by a trace of PCB layout.
5. The modular transmitter must be tested in a stand-alone configuration: The modular transmitter was tested in a stand-alone configuration. Pls. refer to the test setup photo. It complies with the AC line conducted requirements found in Section 15.207. AC or DC power lines and data

input/output lines connected to the module do not contain ferrites. The length of these lines was length typical of actual use. Any accessories, peripherals, or support equipment connected to the module during testing are unmodified.

6. The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.: The modular transmitter has its own FCC ID: VVG608TX. The outside of the device into which the module is installed will also be display a label referring to the enclosed module. This exterior label uses wording as the following: “Contains Transmitter Module FCC ID: VVG608TX”. The Grantee provides adequate instructions along with the module which explain this requirement. A copy of these instructions is included in the application for equipment authorization.
7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.: The modular transmitter complies with Section 15.231(e). This RF Module is powered from a host unit. It communicates with the host unit to receive data like temperature and humidity. The transmission time is 900 ms and the silent period is 30 s. The transmission time and the silent period are limited by the MCU of the RF module, independent of any host unit.
8. The modular transmitter must comply with any applicable RF exposure requirements: The module complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets with the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. The module has very low levels of RF energy that it is deemed to comply without testing of specific absorption ration (SAR).

We apply for a “Limited Modular Approval” (LMA). The Grantee will retain control over the final installation of the device. The module is only approved for use when installed in devices produced by a specific manufacturer. Full compliance of the end product is always ensured.



Zhengli

Manager

SHENZHEN SAN FU DA ELECTRONICS CO., LTD