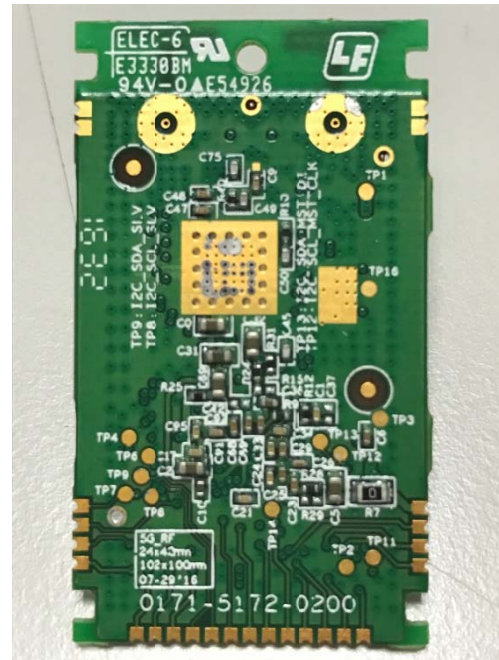
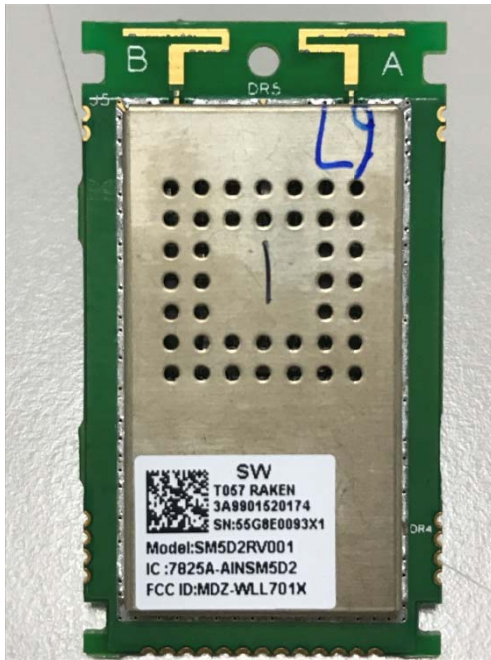


5G Wireless Audio Transceiver/Receiver Module

SM5DNX/WLL7010-D113/WLL7011-D113/

SM5D2TV001/SMS5D2RV001

1. Module Photo



2. Antenna info

Brand:AMTRAN

Antenna type: PCB

Max Peak gain: 5.36 dBi

3. Feature:

DARR83 Wireless Audio Processor

5.2/5.8 GHz RF Transceiver

Embedded antennas

Digital audio interfaces (I²S and/or S/PDIF)

I²C control interface

Built-in 1MB SPI interface Flash

4. How to use this module

SM5DNX was design to embedded for SoundBar/Woofer transfer audio signal use, while user turn on the power of the Host device. (For example, SoundBar/woofer or other mobile device), **SM5DNX** will pair automatically, and transfer audio signal by the radiated signal.

5. Pin assignment:

The device can be configured as below:

	TX	RX
Pin 1	3.3V	3.3V
Pin 2	MUTE	AMP_Mute
Pin 3	Pairing_LED	24V_Enable
Pin 4	MCLK	MCLK_RF
Pin 5	RF-Pairing	NC
Pin 6	INT(NC)	Pairing LED
Pin 7	NC	SCL_MST
Pin 8	RX_PD	AMP_Reset
Pin 9	NC	SDA_MST
Pin 10	MON_TXB	MON_TXB
Pin 11	NC	NC
Pin 12	NC	NC
Pin 13	3V3_SDA/RF_SDA_SLV	RF_SDA_SLV
Pin 14	3V3_SLC/RF_SCL_SLV	RF_SCL_SLV
Pin 15	NC	AMP_FAULT
Pin 16	DAO1_LRCLK	DAO1_LR_RF
Pin 17	DAO1_SCLK	DAO1_SCLK_RF
Pin 18	DAO1_SUB_MIX	DAO1_SUB_RF
Pin 19	DAO1_LS_RS	DAO1_SR_RF
Pin 20	NC	DE_3V3
Pin 21	RF-Reset/RF-Enable	RF_RESET
Pin 22	GND	GND
Pin 23	GND	GND
Pin 24	GND	GND
Pin 25	GND	GND



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator & your body.

This device is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range.

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: MDZ-WLL701X".

**IC Caution:**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie 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'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement: This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

The Country Code Selection feature is disabled for products marketed in the US/Canada .

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. End Product Labeling The final end product must be labeled in a visible area with the following: "Contains transmitter module IC: 7825A-AINSM5D2".

Digital apparatus (ICES003) CAN ICES-3 (B)/NMB-3(B)

- The device could automatically discontinue transmission in case of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signalling information or the use of repetitive codes where required by the technology.
- The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems;
- The maximum antenna gain permitted (for devices in the 5725-5825 MHz band) to comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate, as stated in RSS-210 Annex 9 A9.2(3).

NCC 警語

本產品符合 [低功率電波輻射性電機管理辦法](#) 第十二條、第十四條等條文規定

1. 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
2. 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前項合法通信，指依電信法規定作業之無線電通信。
低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

此模組若安裝於其他平台內時，該平台標籤需標明：

此平台內建無線模組  CCAOXXXXXXXXXX

應避免影響附近雷達系統之操作。

高增益指向性天線只得應用於固定式點對點系統。