

## WF-M620-RSD2

### Features:

- **Supported WLAN Standards**
  - IEEE Std. 802.11a
  - IEEE Std. 802.11b
  - IEEE Std. 802.11g
  - IEEE Std. 802.11n
- **Chip Solution**
  - MTK MT3620AN
- **Size**
  - 24.0mm\*27.0mm\*2.5mm



Installation	Data Rate (max)	Band	Antenna Interface	Note
SMD	72.2Mbps	2.4 GHz/5 GHz	IPEX	DC 3.3V Power Supply

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ADD: Anzhou,Industrial park,Mianyang,Sichuan

Factory: Sichuan AI-Link Technology Co.,Ltd.

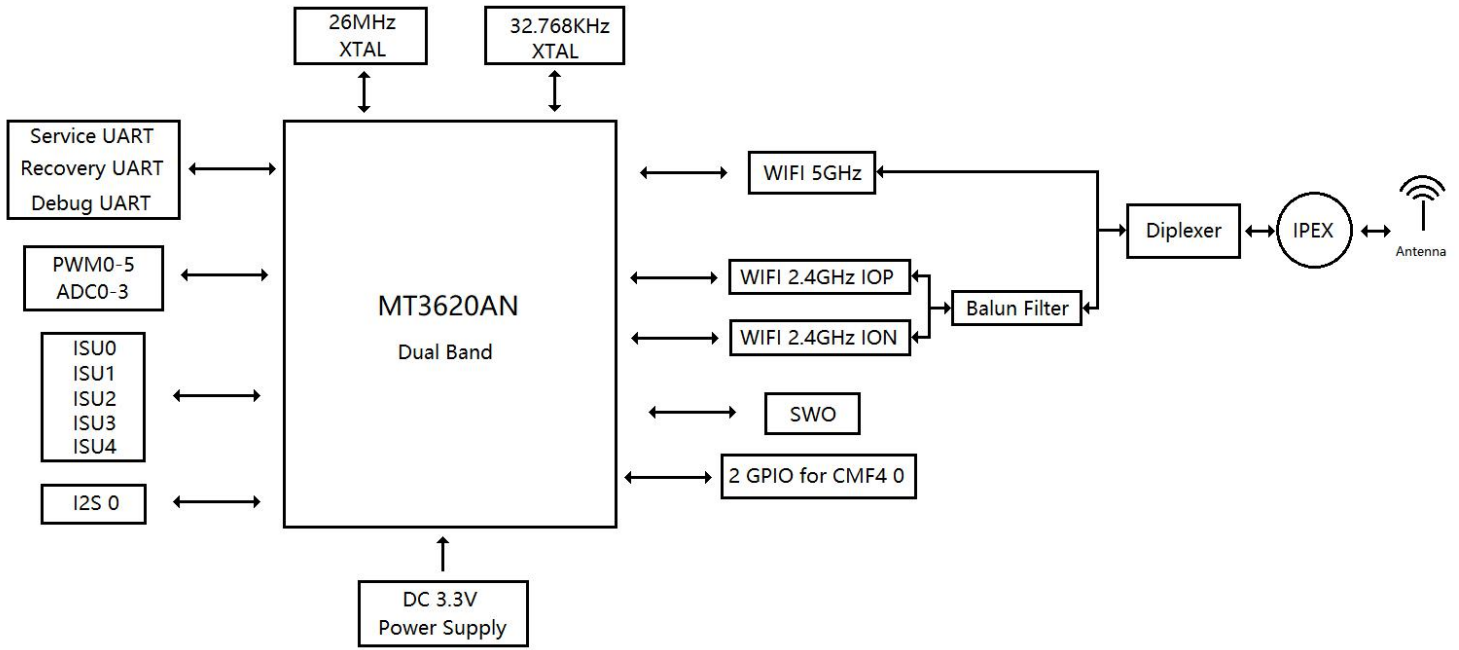
<b>Approved</b>	<b>Checked</b>	<b>Designed</b>	<b>Product</b>	<b>WiFi Module</b>
<b>Feng Yi</b>	<b>Ding Shuangpeng</b>	<b>Feng Jie</b>	<b>Model</b>	<b>WF-M620-RSD2</b>
			<b>Date</b>	<b>2020-5-30</b>



## 1. Brief Description

The WF-M620-RSD2 IoT module is based on the MediaTek MT3620AN, a highly integrated single chip, tricore WIFI MCU designed to meet the requirements of modern robust internet-connected devices. It leverages the Microsoft Azure Sphere security architecture to provide an unprecedented level of security to connected device manufacturers. For the lifetime of the device the Azure Sphere system provides device authentication and attestation, supports remote over-the-air software updates to maintain security in the face of evolving attacks, and automates error logging and reporting.

### 1.1 Block Diagram



### 1.2 WIFI Feature

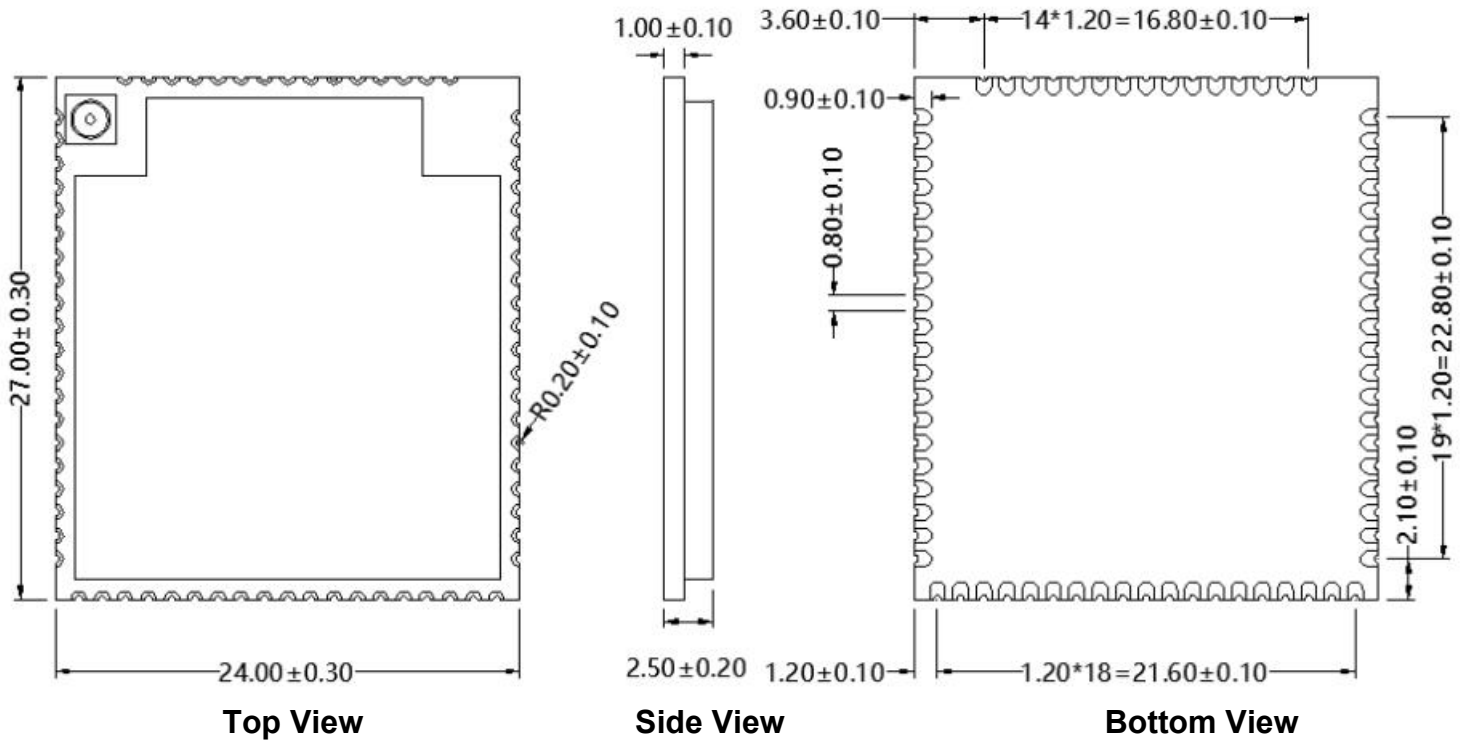
- Single band 2.4/5 GHz ISM
- Supported IEEE 802.11a/b/g/n

### 1.3 Hardware Feature

No.	Feature	Description
1	Main Chip	MT3620AN
2	RAM Capacity	approximately 5MB(including 256KB in each I/O subsystem and 4MB in the A7 application subsystem)
3	NOR-flash Capacity	16MB on-die and no external flash(The amount of flash that will be accessible to customer software is TBD)
4	Form Factor	74 pins(stamp hole)
5	Size	24 x 27 x 2.5mm±0.2mm
6	Interface	UART×5: ISU0,ISU1,ISU2,ISU3,ISU4 I2S×1: I2S0 PWM×6: PWM0~PWM5 ADC×4: ADC0~3 GPIO: 36 GPIO pins with multi-functions
7	Operation Voltage	3.3V+/-0.3
8	Current Consumption	TX Avg 151mA @11b 11M 17dBm
9	Antenna Type	IPEX connector for external antenna
10	Operating Temperature	-40°C to +85°C
11	Storage Temperature	-45°C to +135°C

## 2. Mechanical Specification(units:mm)

### 2.1 Mechanical Outline



### 2.2 Pin Definition

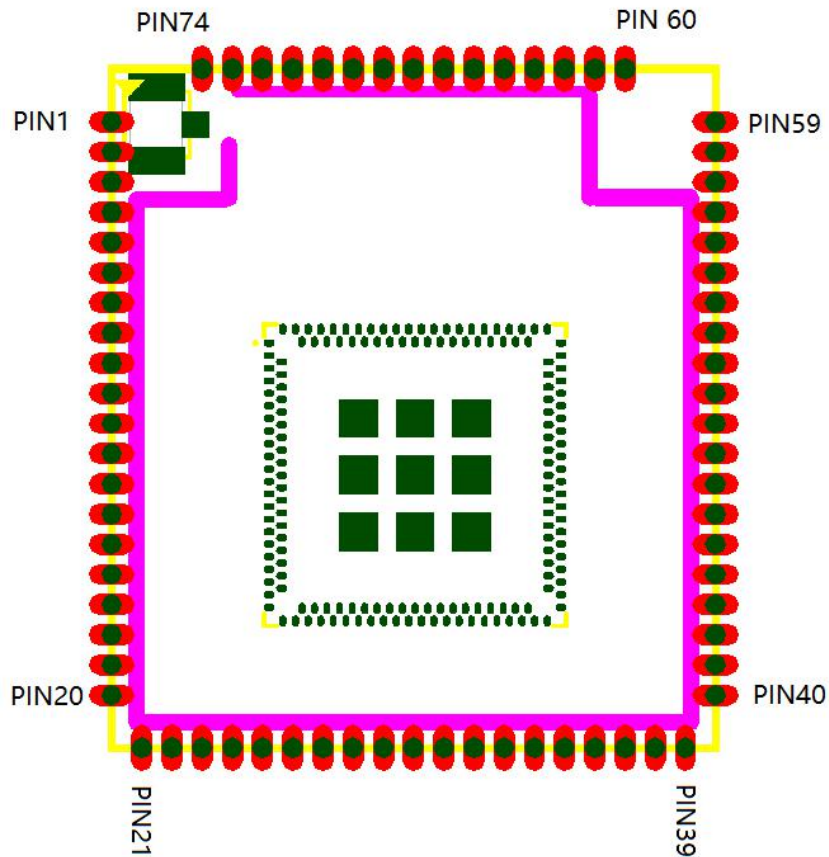


Figure 2.2 Pin assignment

Pin#	Pin name	Type	Description
1	GND	P	Ground
2	GND	P	Ground
3	3V3	PI	DC 3.3V Power Supply
4	3V3	PI	DC 3.3V Power Supply
5	GPIO0/PWM0	DIO	Interrupt-capable GPIO multiplexed with PWM output
6	GPIO1/PWM1	DIO	Interrupt-capable GPIO multiplexed with PWM output
7	GPIO2/PWM2	DIO	Interrupt-capable GPIO multiplexed with PWM output
8	GPIO3/PWM3	DIO	Interrupt-capable GPIO multiplexed with PWM output
9	GPIO4/PWM4	DIO	Interrupt-capable GPIO multiplexed with PWM output
10	GPIO5/PWM5	DIO	Interrupt-capable GPIO multiplexed with PWM output
11	GPIO26/SCLK0/TXD0	DIO	GPIO multiplexed with ISU0 <sup>[1]</sup> functions(SPI CLK/UART TX)
12	GPIO27 /MOSI0/RTS0/SCL0	DIO	GPIO multiplexed with ISU0 functions(SPI MOSI/UART RTS/I2C CLK)
13	GPIO28/MISO0/RXD0/SDA0	DIO	GPIO multiplexed with ISU0 functions(SPI MISO/UART RX/I2C DATA)
14	GPIO29/CSA0/CTS0	DIO	GPIO multiplexed with ISU0 functions(SPI CSA/UART CTS)
15	GPIO31/SCLK1/TXD1	DIO	GPIO multiplexed with ISU1 functions(SPI CLK/UART TX)
16	GPIO32/MOSI1/RTS1/SCL1	DIO	GPIO multiplexed with ISU1 functions(SPI MOSI/UART RTS/I2C CLK)
17	GPIO33/MISO1/RXD1/SDA1	DIO	GPIO multiplexed with ISU1 functions(SPI MISO/UART RX/I2C DATA)
18	GPIO34/CSA1/CTS1	DIO	GPIO multiplexed with ISU1 functions(SPI CSA/UART CTS)
19	GND	P	Ground
20	GND	P	Ground
21	GPIO36/SCLK2/TXD2	DIO	GPIO multiplexed with ISU2 functions(SPI CLK/UART TX)
22	GPIO37/MOSI2/RTS2/SCL2	DIO	GPIO multiplexed with ISU2 functions(SPI MOSI/UART RTS/I2C CLK)
23	GPIO38/MISO2/RXD2/SDA2	DIO	GPIO multiplexed with ISU2 functions(SPI MISO/UART RX/I2C DATA)
24	GPIO39/CSA2/CTS2	DIO	GPIO multiplexed with ISU2 functions(SPI CSA/UART CTS)
25	GPIO41/ADC0	ADIO	GPIO multiplexed with ADC input
26	GPIO42/ADC1	ADIO	GPIO multiplexed with ADC input
27	GPIO43/ADC2	ADIO	GPIO multiplexed with ADC input
28	GPIO44/ADC3	ADIO	GPIO multiplexed with ADC input
29	VREF_ADC	AI	Reference voltage input for ADC <sup>[2]</sup>
30	EXT_PMU_EN	DO	External power supply enable output
31	WAKEUP	DI	External wakeup from RTC mode (deepest sleep mode)
32	AVDD_3V3_RTC	PI	Power rail for real-time clock <sup>[3]</sup>
33	VOUT_2V5	PO	Output from internal 2.5V LDO
34	PMU_EN	DI	Internal PMU override. If driven low, MT3620 is turned off and in a very low power state, equivalent to RTC mode power consumption. Only the PMU quiescent current will be drawn. When released, the PMU will start up.
35	DEBUG_CTS	DI	Azure Sphere OS debug CTS
36	DEBUG_RXD	DI	Azure Sphere OS debug RXD
37	DEBUG_RTS	DO	Azure Sphere OS debug RTS/ Strapping pin when MT3620 boot up
38	DEBUG_TXD	DO	Azure Sphere OS debug TXD
39	GND	P	Ground
40	GND	P	Ground
41	3V3	PI	DC 3.3V Power Supply
42	3V3	PI	DC 3.3V Power Supply
43	SWD_DIO	DIO	ARM SWD data
44	SWD_CLK	DI	ARM SWD clock
45	SWO	DO	ARM SWO debug output

Debug UART is for Microsoft use only.

SWD is used for programming and debugging the 2X Cortex-M4 on MT3620. A single SWD channel is shared between two Cortex-M4.

46	GPIO56/TX0	DIO	GPIO multiplexed with I2S 0	
47	GPIO57/MCLK0	DIO	GPIO multiplexed with I2S 0	
48	GPIO58/FS0	DIO	GPIO multiplexed with I2S 0	
49	GPIO59/RX0	DIO	GPIO multiplexed with I2S 0	
50	GPIO60/BCLK0	DIO	GPIO multiplexed with I2S 0	
51	GPIO66/SCLK3/TXD3	DIO	GPIO multiplexed with ISU3 functions(SPI CLK/UART TX)	
52	GPIO67/MOSI3/RTS3/SCL3	DIO	GPIO multiplexed with ISU3 functions(SPI MOSI/UART RTS/I2C CLK)	
53	GPIO68/MISO3/RXD3/SDA3	DIO	GPIO multiplexed with ISU3 functions(SPI MISO/UART RX/I2C DATA)	
54	GPIO69/CSA3/CTS3	DIO	GPIO multiplexed with ISU3 functions(SPI CSA/UART CTS)	
55	GPIO70/CSB3	DIO	GPIO multiplexed with ISU3 functions(SPI CSB)	
56	GPIO72/MOSI4/RTS4/SCL4	DIO	GPIO multiplexed with ISU4 functions(SPI MOSI/UART RTS/I2C CLK)	
57	GPIO73/MISO4/RXD4/SDA4	DIO	GPIO multiplexed with ISU4 functions(SPI MISO/UART RX/I2C DATA)	
58	GND	P	Ground	
59	GND	P	Ground	
60	GND	P	Ground	
61	GND	P	Ground	
62	SYSRST_N	DI	System reset,active low.	
63	SERVICE_TXD	DO	Azure Sphere Service UART TXD	Service UART is the main interface for PC to communicate with the Azure Sphere OS.Core A7 app debugging, sideload, manufacturing test, getting device ID operation all use the Service UART port.
64	SERVICE_RTS	DO	Azure Sphere Service UART RTS	
65	SERVICE_RXD	DI	Azure Sphere Service UART RXD	
66	SERVICE_CTS	DI	Azure Sphere Service UART CTS	
67	RECOVERY_RXD	DI	Azure Sphere flash re-imaging Recovery UART RXD	Recovery UART is for upgrading the Azure Sphere OS without connection to the Internet.
68	RECOVERY_TXD	DO	Azure Sphere flash re-imaging Recovery UART TXD	
69	RECOVERY_RTS	DO	Azure Sphere flash re-imaging Recovery UART RTS	
70	RECOVERY_CTS	DI	Azure Sphere flash re-imaging Recovery UART CTS	
71	IO0_GPIO85/IO0_RXD	DI	Dedicated GPIO multiplexed with UART for I/O CM4F 0	
72	IO0_GPIO86/IO0_TXD	DO	Dedicated GPIO multiplexed with UART for I/O CM4F 0	
73	GND	P	Ground	
74	GND	P	Ground	

Note:

- 1.ISU is a serial communication block which can be configured as I2C master, I2C slave, SPI master, SPI slave, or UART; I2C runs at up to 1MHz, SPI at up to 40MHz, and UARTs at up to 3Mbps.
- 2.The MT3620AN ADC VREF maximum is 2.5V.Should not input >2.5V when using the ADC because the ADC will not read any value higher than 2.5V.If the ADC pin is not configured for ADC operation,then 3.3V input is ok.
- 3.WF-M620-RSD2 RTC functionality is enabled, the AVDD\_3V3\_RTC must be always powered, or the MT3620 will hang up during the system boot procedure.
- 4.The power supply for all GPIO pins is 3.3V.

## 2.3 Product Pictures



TOP VIEW



BOTTOM VIEW

## 3. RF Characteristics:

### 3-1 IEEE 802.11b Section:

Items	Contents				
Specification	IEEE802.11b				
Mode	CCK				
Channel	CH1 to CH13				
Data rate	1, 2, 5.5, 11Mbps				
	Min.	Typ.	Max.	Unit	Remark
TX Characteristics					
1. Power Levels(Calibrated)					
1) for each data rate	15	17	19	dBm	
2. Spectrum Mask @ target power					
1) fc +/-11MHz to +/-22MHz	-	-	-30	dBr	
2) fc > +/-22MHz	-	-	-50	dBr	
3 Constellation Error(EVM)@ target power					
1) 1Mbps	-	-23	-10	dB	
2) 2Mbps	-	-	-10	dB	
3) 5.5Mbps	-	-	-10	dB	
4) 11Mbps	-	-23	-10	dB	
4. Frequency Error	-10	+2	10	ppm	
RX Characteristics					
5 Minimum Input Level Sensitivity(each chain)					
1) 1Mbps (FER ≤ 8%)	-	-98	-95	dBm	
2) 2Mbps (FER ≤ 8%)	-	-95	-93	dBm	
3) 5.5Mbps (FER ≤ 8%)	-	-93	-91	dBm	
4) 11Mbps (FER ≤ 8%)	-	-90	-88	dBm	
6 Maximum Input Level (FER ≤ 8%)	-10	-	-	dBm	



### 3-2 IEEE 802.11g Section:

Items	Contents				
Specification	IEEE802.11g				
Mode	OFDM				
Channel	CH1 to CH13				
Data rate	6, 9, 12, 18, 24, 36, 48, 54Mbps				
	Min.	Typ.	Max.	Unit	Remark
TX Characteristics					
1. Power Levels					
1) For Each data rate	13	15	17	dBm	
2. Spectrum Mask @ target power					
1) at fc +/-11MHz	-	-	-20	dBr	
2) at fc +/-20MHz	-	-	-28	dBr	
3) at fc > +/-30MHz	-	-	-40	dBr	
3 Constellation Error(EVM)@ target power					
1) 6Mbps	-	-31	-5	dB	
2) 9Mbps	-	-	-8	dB	
3) 12Mbps	-	-	-10	dB	
4) 18Mbps	-	-	-13	dB	
5) 24Mbps	-	-	-16	dB	
6) 36Mbps	-	-	-19	dB	
7) 48Mbps	-	-	-22	dB	
8) 54Mbps	-	-35	-25	dB	
4 Frequency Error	-10	+2	10	ppm	
RX Characteristics					
5 Minimum Input Level Sensitivity(each chain)					
1) 6Mbps (PER $\leq$ 10%)	-	-95	-92	dBm	
2) 9Mbps (PER $\leq$ 10%)	-	-92	-90	dBm	
3) 12Mbps (PER $\leq$ 10%)	-	-90	-88	dBm	
4) 18Mbps (PER $\leq$ 10%)	-	-88	-86	dBm	
5) 24Mbps (PER $\leq$ 10%)	-	-85	-83	dBm	
6) 36Mbps (PER $\leq$ 10%)	-	-83	-81	dBm	
7) 48Mbps (PER $\leq$ 10%)	-	-78	-76	dBm	
8) 54Mbps (PER $\leq$ 10%)	-	-76	-74	dBm	
6 Maximum Input Level (PER $\leq$ 10%)	-20	-	-	dBm	

### 3-3 IEEE 802.11n HT20 Section:

Items	Contents				
Specification	IEEE802.11n HT20 @ 2.4GHz				
Mode	OFDM				
Channel	CH1 to CH13				
Data rate (MCS index)	MCS0/1/2/3/4/5/6/7				
TX Characteristics	Min.	Typ.	Max.	Unit	Remark
2. Power Levels					
1) For Each antenna port	12	14	16	dBm	
3. Spectrum Mask @target power					
1) at fc +/-11MHz	-	-	-20	dBr	
2) at fc +/-20MHz	-	-	-28	dBr	
3) at fc > +/-30MHz	-	-	-45	dBr	
4. Constellation Error(EVM)@ target power					
1) MCS0	-	-33	-5	dB	
2) MCS1	-	-	-10	dB	
3) MCS2	-	-	-13	dB	
4) MCS3	-	-	-16	dB	
5) MCS4	-	-	-19	dB	
6) MCS5	-	-	-22	dB	
7) MCS6	-	-	-25	dB	
8) MCS7	-	-35	-28	dB	
5. Frequency Error	-10	+2	10	ppm	
RX Characteristics	Min.	Typ.	Max.	Unit	
6. Minimum Input Level Sensitivity(each chain)					
1) MCS0 (PER $\leq$ 10%)	-	-94	-90	dBm	
2) MCS1 (PER $\leq$ 10%)	-	-90	-88	dBm	
3) MCS2 (PER $\leq$ 10%)	-	-87	-85	dBm	
4) MCS3 (PER $\leq$ 10%)	-	-85	-83	dBm	
5) MCS4 (PER $\leq$ 10%)	-	-82	-80	dBm	
6) MCS5 (PER $\leq$ 10%)	-	-77	-75	dBm	
7) MCS6 (PER $\leq$ 10%)	-	-75	-73	dBm	
8) MCS7 (PER $\leq$ 10%)	-	-75	-73	dBm	
7. Maximum Input Level (PER $\leq$ 10%)	-20	-	-	dBm	

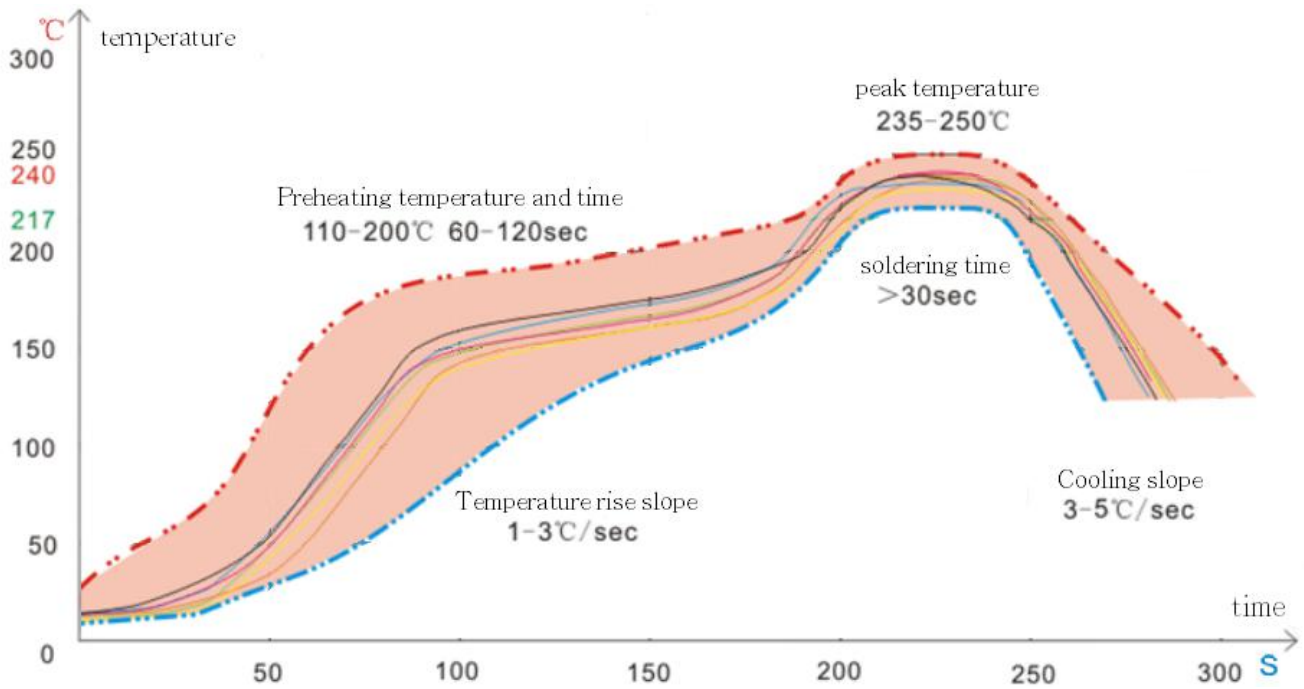
### 3-4 IEEE 802.11a Section:

Items	Contents				
Specification	IEEE802.11a				
Mode	OFDM				
Channel	CH36 to CH165				
Data rate	6, 9, 12, 18, 24, 36, 48, 54Mbps				
	Min.	Typ.	Max.	Unit	Remark
TX Characteristics					
1. Power Levels					
1) For Each data rate	10	12	14	dBm	
2. Spectrum Mask @ target power					
1) at fc +/-11MHz	-	-	-20	dBr	
2) at fc +/-20MHz	-	-	-28	dBr	
3) at fc > +/-30MHz	-	-	-40	dBr	
3 Constellation Error(EVM)@ target power					
1) 6Mbps	-	-31	-5	dB	
2) 9Mbps	-	-	-8	dB	
3) 12Mbps	-	-	-10	dB	
4) 18Mbps	-	-	-13	dB	
5) 24Mbps	-	-	-16	dB	
6) 36Mbps	-	-	-19	dB	
7) 48Mbps	-	-	-22	dB	
8) 54Mbps	-	-35	-25	dB	
4 Frequency Error	-10	+2	10	ppm	
RX Characteristics					
5 Minimum Input Level Sensitivity(each chain)	Min.	Typ.	Max.	Unit	
1) 6Mbps (PER $\leq$ 10%)	-	-	-82	dBm	
2) 9Mbps (PER $\leq$ 10%)	-	-	-81	dBm	
3) 12Mbps (PER $\leq$ 10%)	-	-	-79	dBm	
4) 18Mbps (PER $\leq$ 10%)	-	-	-77	dBm	
5) 24Mbps (PER $\leq$ 10%)	-	-	-74	dBm	
6) 36Mbps (PER $\leq$ 10%)	-	-	-70	dBm	
7) 48Mbps (PER $\leq$ 10%)	-	-	-66	dBm	
8) 54Mbps (PER $\leq$ 10%)	-	-	-65	dBm	
6 Maximum Input Level (PER $\leq$ 10%)	-20	-	-	dBm	

**3-5 IEEE 802.11n HT20 Section:**

Items	Contents				
Specification	IEEE802.11n HT20 @ 5GHz				
Mode	OFDM				
Channel	CH36 to CH165				
Data rate (MCS index)	MCS0/1/2/3/4/5/6/7				
TX Characteristics	Min.	Typ.	Max.	Unit	Remark
2. Power Levels					
1) For Each antenna port	10	12	14	dBm	
3. Spectrum Mask @target power					
1) at fc +/-11MHz	-	-	-20	dBr	
2) at fc +/-20MHz	-	-	-28	dBr	
3) at fc > +/-30MHz	-	-	-45	dBr	
4. Constellation Error(EVM)@ target power					
1) MCS0	-	-33	-5	dB	
2) MCS1	-	-	-10	dB	
3) MCS2	-	-	-13	dB	
4) MCS3	-	-	-16	dB	
5) MCS4	-	-	-19	dB	
6) MCS5	-	-	-22	dB	
7) MCS6	-	-	-25	dB	
8) MCS7	-	-35	-28	dB	
5. Frequency Error	-10	+2	10	ppm	
RX Characteristics	Min.	Typ.	Max.	Unit	
6. Minimum Input Level Sensitivity(each chain)					
1) MCS0 (PER $\leq$ 10%)	-	-	-87	dBm	
2) MCS1 (PER $\leq$ 10%)	-	-	-84	dBm	
3) MCS2 (PER $\leq$ 10%)	-	-	-82	dBm	
4) MCS3 (PER $\leq$ 10%)	-	-	-79	dBm	
5) MCS4 (PER $\leq$ 10%)	-	-	-75	dBm	
6) MCS5 (PER $\leq$ 10%)	-	-	-71	dBm	
7) MCS6 (PER $\leq$ 10%)	-	-	-70	dBm	
8) MCS7 (PER $\leq$ 10%)	-	-	-69	dBm	
7. Maximum Input Level (PER $\leq$ 10%)	-20	-	-	dBm	

#### 4. Reflow Standard Condition



#### 5. Key Materials

Item	Category	MPN	Description	MFR	Notes
1	IC	MT3620AN	165-QFN	MTK	
2	PCB	JUI7.820.0713	FR-4,4LAY	Sunlord IQPCB SHPCB	
3	Crystal Oscillator	-	26MHz,2520,11pF ± 10ppm,-20~75°C; 32.768KHZ,2012,11pF ± 20ppm,-40~85°C;	JWT Hosonic TXC TKD	

## 6. External Antenna Specification

ITEM	Category	Part No.
External Antenna	Dipole Antenna	XBLAN2450B-64DBGM-1

## 7. Product Label&Label Location



## 8. Conditions of use

Please keep the antenna away from metal and horn interference sources.

## 9. FCC Statement

### FCC regulatory compliance statement

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.

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

This Module complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

#### Labelling Instruction for Host Product Integrator

Please notice that if the FCC identification number 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. This exterior label can use wording such as the following: "Contains FCC ID: 2AOKI-WFM620RSD2" any similar wording that expresses the same meaning may be used.

#### Installation Notice to Host Product Manufacturer

The OEM integrator is responsible for ensuring that the end-user has no manual instruction to remove or install module. The module is limited to installation in mobile application, a separate approval is required for all other operating configurations, including portable configurations with respect to §2.1093 and difference antenna configurations.

#### Antenna Change Notice to Host manufacturer

If you desire to increase antenna gain and either change antenna type or use same antenna type certified, a Class II permissive change application is required to be filed by us, or you (host manufacturer) can take responsibility through the change in FCC ID (new application) procedure followed by a Class II permissive change application.

#### FCC other Parts, Part 15B Compliance Requirements for Host product manufacturer

This modular transmitter is only FCC authorized for the specific rule parts listed on our grant, host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification.

Host manufacturer in any case shall ensure host product which is installed and operating with the module is in compliant with Part 15B requirements.

*Note: 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.

## 10. ISED Regulatory Compliance

This device contains licence-exempt transmitter(s)/receiver(s) that comply with 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 interference.(2)This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux 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; (2)L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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 and your body.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps.

Please notice that if the IC identification number 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. This exterior label can use wording such as the following: "Contains IC: **23460-WFM620RSD2**" any similar wording that expresses the same meaning may be used.

L'étiquette d'homologation d'un module d'Innovation, Sciences et Développement économique Canada devra être posée sur le produit hôte à un endroit bien en vue, en tout temps. En l'absence d'étiquette, le produit hôte doit porter une étiquette sur laquelle figure le numéro d'homologation du module d'Innovation, Sciences et Développement économique Canada, précédé du mot « contient », ou d'une formulation similaire allant dans le même sens et qui va comme suit : Contient IC: **23460-WFM620RSD2** est le numéro d'homologation du module.

- i. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
  - ii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
  - iii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
- i. le dispositif utilisé dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire le risque de brouillage préjudiciable aux systèmes mobiles par satellite dans le même canal;
  - ii. pour les dispositifs à antenne (s) détachable (s), le gain d'antenne maximal autorisé pour les dispositifs dans les bandes 5250-5350 MHz et 5470-5725 MHz doit être tel que l'équipement soit toujours conforme à la norme e.i.r.p. limite;
- pour les dispositifs à antenne (s) détachable (s), le gain d'antenne maximal autorisé pour les dispositifs de la bande 5725-5850 MHz doit être tel que l'équipement soit toujours conforme à la norme e.i.r.p. les limites, le cas échéant; et