



Kunshan Lantuo Intelligent Robot Co., Ltd

Data: 2025-12-21

Subject: Statement of disable RF chip AP6398S by software

FCC ID: 2BTDL-S1ULTRAS1PRO

IC: 34692-S1

To Whom It May Concern:

We Kunshan Lantuo Intelligent Robot Co., Ltd (Address: 2F, Room 2, No. 179, Waihejing Road, Kunshan Development Zone Comprehensive Bond, Kunshan, Jiangsu, China) hereby declare that although the RF chip AP6398S can support different frequencies and Modulation as following table

3.1 2.4GHz RF Specification

Conditions : VBAT=3.3V ; VDDIO=3.3V ; Temp:25°C

Feature	Description
WLAN Standard	IEEE 802.11b/g/n & Wi-Fi compliant
Frequency Range	2.400 GHz ~ 2.4835 GHz (2.4GHz ISM Band)
Number of Channels	2.4GHz : Ch1 ~ Ch13
Modulation	802.11b : DQPSK 、 DBPSK 、 CCK 802.11 g/n : OFDM /64-QAM 、 16-QAM 、 QPSK 、 BPSK

3.2 5GHz RF Specification

Conditions : VBAT=3.3V ; VDDIO=3.3V ; Temp:25°C

Feature	Description
WLAN Standard	IEEE 802.11a/n/ac & Wi-Fi compliant
Frequency Range	5.15~5.35GHz 、 5.47~5.725GHz 、 5.725~5.85GHz (5GHz UNII Band)
Number of Channels	5.15~5.35GHz : Ch36 ~ Ch64 5.47~5.725GHz : Ch100 ~ Ch140 5.725~5.85GHz : Ch149 ~ Ch165
Modulation	802.11a : OFDM /64-QAM 、 16-QAM 、 QPSK 、 BPSK 802.11n : OFDM /64-QAM 、 16-QAM 、 QPSK 、 BPSK 802.11ac : OFDM /256-QAM 、 OFDM /64-QAM 、 16-QAM 、 QPSK 、 BPSK

4.1 Bluetooth Specification

Conditions : VBAT=3.3V ; VDDIO=3.3V ; Temp:25°C

Feature	Description
General Specification	
Bluetooth Standard	GFSK 、 DQPSK 、 8DPSK 、 LE(1Mbps) 、 2LE(2Mbps)
Host Interface	UART
Frequency Band	2402 MHz ~ 2480 MHz
Number of Channels	79 channels for classic 、 40 channels for BLE
Modulation	FHSS, GFSK, DPSK, DQPSK

Our product is only locked to operate at frequency and Modulation (as following table with one Antenna Ant1) by software. this setting is not accessible and can't active by the user or any other third-party.

3.1 2.4GHz RF Specification

Conditions : VBAT=3.3V ; VDDIO=3.3V ; Temp:25°C

Feature	Description
WLAN Standard	IEEE 802.11b/g/n & Wi-Fi compliant
Frequency Range	2.400 GHz ~ 2.4835 GHz (2.4GHz ISM Band)
Number of Channels	2.4GHz : Ch1 ~ Ch11
Modulation	802.11b : DQPSK 、DBPSK 、CCK 802.11 g/n : OFDM /64-QAM 、16-QAM 、QPSK 、BPSK

4.1 Bluetooth Specification

Conditions : VBAT=3.3V ; VDDIO=3.3V ; Temp:25°C

Feature	Description
General Specification	
Bluetooth Standard	GFSK 、DQPSK 、8DPSK 、LE(1Mbps) 、2LE(2Mbps)
Host Interface	UART
Frequency Band	2402 MHz ~ 2480 MHz
Number of Channels	79 channels for classic 、40 channels for BLE
Modulation	FHSS, GFSK, DPSK, DQPSK

Best Regards

Contact name: Xiaoqiang Liu

Company name: *Kunshan Lantuo Intelligent Robot Co., Ltd*

Address: *2F, Room 2, No. 179, Waihejing Road, Kunshan Development Zone Comprehensive Bond, Kunshan, Jiangsu, China*

E-mail: xqliu@lantotech.com

Tel: +86 15123511045

Xiaoqiang Liu