



Introduction

HUAWEI MediaPad 10 Link (MediaPad 10 Link for short) is a 10.1-inch tablet computer that simultaneously supports 3G ,LTE,Wi-Fi and BT data services, and has an ultra high definition IPS screen with a resolution of up to 1280 × 800 pixels. MediaPad 10 Link incorporates Huawei's own Hisilicon processor and is based on the Android operating system, enjoying both Google Android Play Store and Huawei's unique Cloud+ solutions.

Intended use statements

With an aluminum-alloy housing and ultra-thin 9.9 mm design, MediaPad 10 Link is stylish, slim, and easy to carry.

MediaPad 10 Link has a IPS screen with a resolution of up to 1280 × 800 pixels. It comes with a front camera, and a rear camera. The front camera can be used in video calls, while the rear camera can record video. This video capability, combined with MediaPad 10 Link's Dolby surround sound technology, delivers superb audiovisual quality, when users are taking photos, playing game, watching HD movies, or listening to music.

WLAN Frequency Range

2.412G-2.462GHz

5.180G-5.825GHz

Range of average conduct power

WLAN: ≤15dBm

Range of Peak conduct power

WLAN: ≤26dBm



Antenna description

Technical parameters of the HUAWEI MediaPad S10-201L information terminal Phone Bluetooth antenna:

Item	Description
Frequency	2412~2462MHz
Input impedance	50 Ohm
VSWR	<2
Gain	<3dBi
Max. power	160MW(AVG)
Polarization Type	Monopole

Item	Description
Frequency	5.150G-5.725GHz
Input impedance	50 Ohm
VSWR	<2
Gain	<5dBi
Max. power	160MW(AVG)
Polarization Type	Monopole

WLAN chip Applied voltages

Normal Voltage: 3.7V

Modulation Techniques

802.11b uses DQPSK/CCK、DQPSK and DBPSK as its modulation, 802.11g/n uses DQPSK/CCK、DQPSK 、DBPSK 、OFDM/CCK and OFDM as its modulation.

Description of Digital Modulation Techniques

WLAN transceivers operate in the 2.4GHz ISM band and 5GHz band. The frequency range is 2400MHz to 2483.5MHz (in most countries) for 2.4G; 5150MHz to 5725MHz for 5G. The channel spacing



is 22MHz, with an upper

and lower guard band. Output power is also specified, WLAN uses DQPSK/CCK、DQPSK、DBPSK、OFDM/CCK and OFDM as its modulation. DQPSK/CCK corresponding symbol rate is 33 or 22 or 11 or 5.5Mbps, DQPSK corresponding symbol rate is 2Mbps, DBPSK corresponding symbol rate is 1Mbps, OFDM/CCK corresponding symbol rate is 6 or 9 or 12 or 18 or 24 or 36 or 54 Mbps, OFDM corresponding symbol rate is 6 or 9 or 12 or 18 or 24 or 36 or 48 or 54 Mbps.

The 2.4GHz band is part of the ISM (Industrial, Scientific, and Medical) license-free radio bands. Both Bluetooth and 802.11 operate within the band. Additional frequencies of the ISM band include the 900MHz band, and 5.8GHz band. The un-licensed ISM band also means that devices need to short range so they do not interfere with other devices which may also be using the band. .

Description RF test method

The computer sets HUAWEI MediaPad S10-201L to the Factory test mode and works at WLAN mode and sets the E4440a to WLAN Analyzer mode. Another method is to use the N4010A to test WLAN RF .

HUAWEI MediaPad S10-201L's WLAN chip connects with E4440A or N4110A through N(M) interface or Antenna, then all the WLAN RF performances can be tested.