

Attn: Reviewing Engineer

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Operational Description of cB-0926-02 and cB-0926-03

FCC ID: PVH0926

IC: 5325A-0926

WLAN is a short-range radio link intended to be a cable replacement between portable and/or fixed electronic devices. The module is available with two types of host interface SPI (cB-0926-02) or SDIO (cB-0926-03). The cB-0926 WLAN modular transmitter can be integrated in a large variety of end products.

The cB-0926 module conforms to the WLAN standard IEEE 802.11a/b/g/ and 802.11n single stream. The module can be operated on two frequency bands, the ISM Band between 2412 – 2462 MHz or the U-NII band 1 between 5180 – 5240 MHz. In the frequency range 2412 – 2462 MHz are 11 channels with a separation of 5MHz and in the frequency range 5180 – 5240 MHz are 4 channels with a separation of 20MHz.

The channel bit rate is depending on which modulation scheme that is selected between 1Mbit/s and 54 Mbit/s.

Parameter Data

WLAN radio and base band controller	Airoha RS8230, Redpine RS9110
RF output power 802.11b (DSSS) 802.11g (OFDM) 802.11a (OFDM)	max 20 dBm (100 mW) max 17 dBm (50 mW) max 15 dBm (32 mW)
Receive sensitive level 802.11an (MCS7) 802.11b (DSSS)	min -69 dBm max -94 dBm
Receive input level (max)	-10 dBm
Output frequency	2412 – 2462 MHz, ISM band 5180 – 5240 MHz, U-NII band 1

Regards,
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