

■ Wireless Communications

The use of a wireless FPD enables wireless communication between the wireless module built into the imaging unit and the access point.

Wireless communication is performed based on the IEEE 802.11n (2.4 GHz/5 GHz) LAN standard.

During installation, your Shimadzu service representative will change the frequency band from 2.4 GHz/5 GHz and select a specific frequency (channel) for use.

In addition, the wireless FPD supports a wired connection by using the optional wired connection kit.

● FPD (AF-B1)

Frequency band	Wireless LAN standard IEEE 802.		Frequency Range (MHz)	Modulation	Date rate (Mbps)
2.4 GHz	11b		2412-2472	DSSS	11
	11g			OFDM	54
	11n	HT20	2422-2462		75
		HT40		150	
5 GHz	11a		5180-5320	OFDM	54
	11n	HT20	5500-5700		75
		HT40	5190-5310		150
			5510-5670		

Frequency band	Wireless LAN standard IEEE 802.		Setting value (dBm)	Deviation (dB)	Antenna factor (dBi)	Maximum effective radiation power (dBm)
2.4 GHz	11b		12	±2	3	17
	11g					
	11n	HT20	11	±2	3	16
		HT40				
5 GHz	11a		11	±2	4.5	17.5
	11n	HT20				
		HT40				