Datasheet

Channel Configuration

Optimized Channels

The airFiber AF-11FX can use single (SISO) or bonded (MIMO)* channels, depending on your specific licensing requirements. The AF-11FX also features different channel width sizes to suit your deployment needs, and you can independently configure TX and RX channel frequencies.

Reconfigurable Duplexers

The AF-11FX features a unique modular duplexer design to suit multiple frequency configurations.

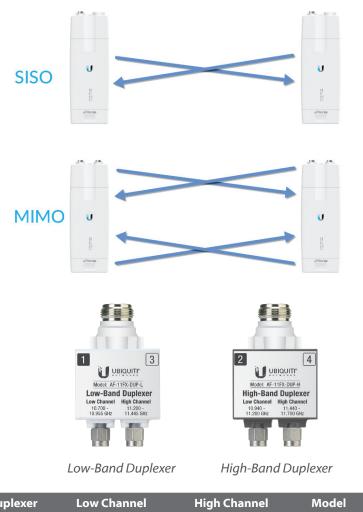
Each AF-11FX radio can be configured to support any allowable frequency by simply changing the duplexers (sold separately) for high-band or low-band use in the 10.7 - 11.7 GHz allocation.

Each duplexer has a low channel and a high channel that can be configured by simply reversing the position of the duplexer.

Highest Performance Value

The compact AF-11FX supports high-order constellations – up to 1024QAM – allowing it to deliver the greatest spectral efficiency in its class.

 SISO mode configuration requires either one low-band duplexer or one high-band duplexer.
MIMO mode configuration requires a second low-band or high-band duplexer. Duplexers are sold separately.



Duplexer	Low Channel	High Channel	Model
Low-Band Duplexer	10.700 - 10.955 GHz	11.200 - 11.445 GHz	AF-11FX-DUP-L
High-Band Duplexer	10.940 - 11.200 GHz	11.440 - 11.700 GHz	AF-11FX-DUP-H



Reversible Duplexers For Easy Channel Configuration



Example of SISO Mode vs MIMO Mode Configuration