



## RF-5100

### Upper C-Band Interchangeable Frequency Module



## SPECIFICATIONS

### Frequency Range

5100 - 5945 MHz

### RF Modulation

OFDM (64QAM, 16QAM, QPSK, BPSK)

### Antenna Chains

3 Independent RF Chains

### TX/RX Operating Modes

All MIMO modes from SISO to 3x3

### Channel Bandwidth

5, 10, and 20 MHz

Software Configurable

### Peak TCP Throughput

120 Mbps at 20 MHz Channel

### MIMO Techniques

Maximal Ratio Combining

Space-Time Block Coding

Spatial Multiplexing

### Max. Aggregate Transmit Power

4W (1.3W per RF Chain)

### Antenna Ports

(3) SMP (50 Ohms)

### TX Power Control

31 to 16.5 dBm, 0.5 dB per step

### Power Control Accuracy

+/- 2 dB

### Frequency Accuracy

+/- 4 ppm, max.

### Minimum Receiver Sensitivity

-95 dBm at 5 MHz bandwidth, BPSK

### Max. RF Input

-10 dBm

### Max. RF Input without Damage

+10 dBm

### Max. Peak Power Consumption, TX

50W

### Power Consumption, RX

2.5W

### Operating Temperature

-40°C to +85°C

### ESD Protection

+/- 8KV Contact discharge, per IEC 6100-4-2

### FCC Certification

FCC Part 15, Subpart B

FCC Part 15, Subpart E, 15.407, for UNII band I and III

### Japan Type Certification

Article 2, Paragraph 1, Item 72

Category RB (Unmanned Mobile Image Transmission System)

### Dimensions

3.8 x 2.6 x 0.5 in.

9.7 x 6.6 x 1.3 cm

### Weight

4.6 oz.

130 g



## RELEASABLE

Persistent Systems, LLC | 303 Fifth Avenue, Suite 306 | New York, NY 10016 | O 212-561-5895 | F 212-202-3625

[persistentsystems.com](http://persistentsystems.com)