



RF-2150

High Power S-Band RF Module

SPECIFICATIONS

Frequency Range

2200 - 2507 MHz

RF Modulation

OFDM (64QAM, 16QAM, QPSK)

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

150 Mbps at 20 MHz Channel

MIMO Techniques

Maximal Ratio Combining

Space-Time Block Coding

Spatial Multiplexing

Max. Aggregate Transmit Power

10W (3.3W per RF Chain)

Antenna Ports

(3) SMP (50 Ohms)

TX Power Control

35 to 16.5 dBm, 0.5 dB per step

Power Control Accuracy

+/- 2 dB

Frequency Accuracy

+/- 4 ppm, max.

Minimum Receiver Sensitivity

-94 dBm at 5 MHz bandwidth, QPSK

Max. RF Input

-20 dBm

Max. RF Input without Damage

+10 dBm

Max. Peak Power Consumption, TX

40W (3 Chains @ 10W)

Power Consumption, RX

1.8W (3 Chains)

Operating Temperature

-40°C to +85°C

ESD Protection

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

Dimensions

3.8 x 2.6 x 0.5 in.

9.7 x 6.6 x 1.3 cm

Weight

4.2 oz.

119 g

Commercial Compliance

FCC Certification

(ID: 2AG3JRF-2150)

FCC Part 15, Subpart B

FCC Part 90, Subparts B and I

Japan Type

Certification

R209-J00337



Australia

Certification



Europe CE

Certification



United Kingdom

Certification



Canada IC Certification

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NO NDA REQUIRED

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