

Motorola Canopy

5.2 GHz Extended Range Backhaul 20 Mbps with Reflector



Description	5.2 GHz Extended Range Backhaul 20 Mbps with Reflector
Canopy Part Number	5210BHRF20
Market Availability	North America
Signaling Rate	20 Mbps
Typical LOS Range	5 mi (8km)
Typical Aggregate Useful Throughput	14.0 Mbps
Frequency range of band	U-NII 5250-5350 MHz
Non-overlapping Channels	3
Channel Width	20 MHz
Channel Spacing	every 5 MHz
Modulation Type	High Index 4-level Frequency Shift Keying (FSK) optimized for interference rejection
Encryption	DES capable
Latency	2.5 msec
Carrier to Interference ratio (C/I)	-3dB @ 10 Mbps, -10dB @ 20 Mbps at -65dBm
Nominal Receiver Sensitivity (dbm typical)	-79
Antenna Gain (dB)	7
Reflector Gain	18
EIRP (dB)	30
Equivalent Isotropic Radiated Power (EIRP)	1.3 W
DC Power (typical)	0.34 A @ 24 VDC = 8.2 W
Antenna Beam Width	3 dB antenna beam width 6 degrees, Azimuth and Elevation with Reflector
Mean Time Between Failure (MTBF)	40 yr
Temperature	-40° C to +55° C (-40° F to +131° F)
Wind Survival	190 km/hr (118 miles/hr)
Dimensions	Module: 11.75 in H x 3.4 in W x 3.4 in D (29.9 cm H x 8.6 cm W x 8.6 cm D). Passive Reflector: 18 inch H x 24 in W (45 cm H x 60 cm W)
Weight	.45 kg (1 lb), 3.0 kg (6.5 lbs) with passive reflector
Access Method	Time Division Duplex (TDD)
Interface	10/100 Base T, half/full duplex. Rate auto negotiated (802.3 compliant)
Protocols Used	IPV4, UDP, TCP, ICMP, Telnet, HTTP, FTP, SNMP Version 2C
Network Management	HTTP, TELNET, FTP, SNMP Version 2c
FCC ID	ABZ89FC5807
Industry Canada Certification Number	109W-5210

Specifications subject to change without notice.