

RADWIN Subscriber Units, SU AIR Model

Subscriber Unit - Data Sheet (RW5000/SU-Air/5HC5/F54/ETSI/INT)



RW-5HC5-2A54

Product Description

RW-5HC5-2A54 is SU AIR Model, subscriber unit that delivers up to 500 Mbps net aggregate throughput and supports Best-Effort service level.

SU AIR supports 5.4 to 5.8 GHz and complies with ETSI regulations.

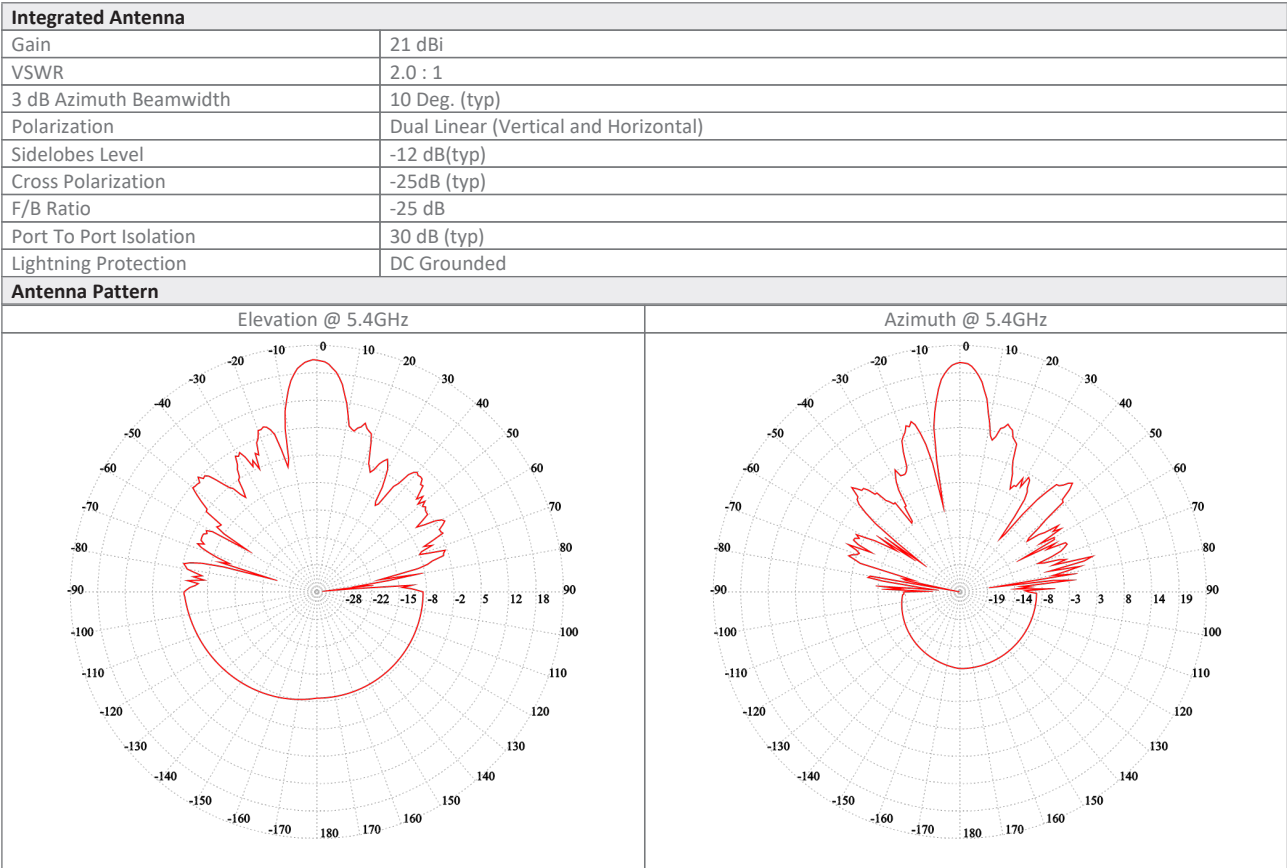
The unit includes an integrated 22dBi antenna.

Product Highlights

- Up to 500 Mbps net aggregated throughput
- Long range - Up to 40 km / 25 miles
- Best Effort Service level
- 22dBi antenna gain
- Short and constant latency
- Advanced MIMO, OFDM and Antenna Diversity
- Robust and reliable operation in harsh environmental conditions including obstructed line-of-sight scenarios
- IP-67
- Simplified installation using a Smartphone app.

Product Specifications:

Configuration					
Architecture	Outdoor Unit with an integrated antenna				
PoE to ODU Interface	Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT and 75m for 1000BaseT				
Radio					
Max Capacity	500 Mbps net aggregate throughput (up to 250 Mbps per direction)				
Channel Bandwidth	Configurable: 10, 20, 40, 80 MHz (for the default band)				
Modulation	MIMO-OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)				
Adaptive Modulation & Coding	Supported				
DFS	Supported (ETSI)				
Diversity	Supported				
Max Tx Power	26 dBm per chain; max EIRP 30 dBm (for the default band)				
Duplex Technology	TDD				
Error Correction	FEC k = 1/2, 2/3, 3/4, 5/6				
Encryption	AES 128				
Support Indoor units	RADWIN PoE devices (9921-102X, included in the package)				
Uplink / Downlink Allocation	Configurable: Symmetric or Asymmetric				
Layer 2	HUB Mode				
QoS	Packet classification to 4 priority queues according to 802.1P or Diffserv				
VLAN Support	802.1Q, QinQ, 4094 VLANs				
ODU Management	IPv4/IPv6 dual-stack; SNMPv1, SNMPv3; HTTP/HTTPS using web browser				
Supported Bands					
Band	CBW 10MHz [GHz]	CBW 20MHz [GHz]	CBW 40MHz [GHz]	CBW 80MHz [GHz]	Radio Compliance
5.4 GHz ETSI (default)	5.475-5.705	5.470-5.710	5.490-5.690	5.490-5.650	ETSI EN 301 893
5.8 GHz ETSI	-	5.735-5.865	-	-	ETSI EN 302 502
Mechanical					
ODU Dimensions	32.5(w) x 32.5(h) x 6.4(d) cm				
ODU Weight	2 kg / 4.41 lbs				
Power					
Power Feeding	Power provided over ODU-IDU cable				
Power Consumption	<13W				
Environmental					
Operating Temperatures	-35°C to 60°C / -31°F to 140°F				
Safety					
EU/Intl	EN/IEC 62368-1, EN/IEC 60950-22				
USA	cTUVus: UL 60950-1, UL 60950-22				
EMC					
FCC	FCC 47 CFR, Part15, Subpart B, Class B				
ETSI	ETSI EN 301 489-1, ETSI EN 301 489-4, ETSI 301 489-17				
Canada	ICES-003, CISPR 32, Class B				
AS/NZS	CISPR 32, Class B				



Ordering Info
Part Number: RW-5HC5-2A54
Description: RADWIN SU AIR ODU, with an integrated antenna, supporting multi frequency bands at 5.x GHz, factory default 5.4 GHz ETSI.

* May be limited by regulation in the specific band being used

Datasheet information can be changed by manufacturer without prior notice