MIKROTIK

ATL 5G R16

One day your countryside getaway has no connection at all, even your phone is struggling.
The next day you're enjoying smooth, reliable Gigabit uplink. What happened?
You made the right choice and installed an ATL on the roof, that's what!



HIGH-GAIN 16 dBi ANTENNA
Directional performance for exceptional range and stability

BUILT-IN eSIM WITH MIKROTIK CONNECTIVITY
Get online instantly with pre-activated data plans

5G + LTE CAT 20 MODEM
Blazing-fast mobile data, improved security & responsiveness

POE-IN + GIGABIT ETHERNET
Fewer cables, easier setup – standard 802.3af/at support

4x4 MIMO + BAND 28 SUPPORT
Better signal even in remote areas or signal-congested cities

DUAL SIM OPTIONS
Use MikroTik eSIM, your own eSIM profile, or a standard micro SIM

RUGGED IP-66 SNOW-RESISTANT DESIGN
Built to survive harsh environments

FLEXIBLE POWERING (12-56V)
Compatible with solar, off-grid, and standard PoE setups

RouterOS v7 INSIDE
The full power of world-class networking tools at your fingertips

Instant Connectivity, No Strings Attached

Installing an antenna on a rooftop and realizing you forgot a SIM card? Or trying to activate your eSIM, but got stuck in the mobile operator call-center queue, endlessly listening to some classical "Your call is important" melodies over the phone?

MikroTik Connectivity solves both issues! Log in to your MikroTik account, choose a data plan, and you're online. This pre-activated, self-sufficient eSIM setup bridges the gap between "just installed" and "fully operational." Ideal for remote locations, failover setups, or any place you need reliable internet right now — without any extra steps.



Power Meets Practicality

With a powerful **16 dBi directional antenna, 4x4 MIMO** support, 512 MB of RAM, a modern dual-core ARM CPU, and a wide range of supported bands, ATL 5G is built to perform — whether you're deep in the countryside or surrounded by signal noise in the city. And with Gigabit Ethernet and **PoE-in support**, installation is cleaner and simpler — just a single cable for both power and data.

ATL 5G features **4 high-gain middle-band antennas** and **4 low-band antennas**, including full **Band 28 support** for both LTE and 5G. That means exceptional coverage in all the frequencies that really matter, including from **700 MHz to 1 GHz** — the sweet spot for rural reach and wall-penetrating reliability.

These low-frequency bands are some of the most widely used by mobile operators around the world, and ATL 5G is ready to squeeze every last drop of performance from them — ensuring you stay connected where others struggle to get a bar.

And when you don't want to rely on a traditional SIM card, you can use the **MikroTik eSIM** as your main data plan for low-usage setups or IoT deployments like KNOTs. Or simply switch profiles and connect to your favorite mobile operator — **flexibility is built in**.



Ready for Harsh Conditions

At first glance, ATL 5G looks like a spaceship — but there's a good reason for that. This sleek form factor prevents snow and water from collecting and freezing up, making it ideal for installations in cold, wet, or windy environments. No need to climb back up and clean the antenna after every snowstorm.

The **IP66-rated enclosure** is fully sealed against dust and powerful water jets, so ATL 5G can handle some of the roughest weather conditions — whether it's mounted on a snowy rooftop in the city or standing alone in the open countryside.

Specifications

Product name	ATLGM&RG520F-EU
CPU	Dual-Core 88F3720 800 MHz
CPU Architecture	ARM 64bit
Size of RAM	512 MB
Storage	32 MB Flash
Number of 1G Ethernet ports	1
Number of M.2 slots	1
SIM slots	1 Micro SIM, eSIM
LTE modem	R11mL-RG520F
TAC	86945405
Antenna gain	16 dBi
MIMO DL	4x4
5G SA Category	4.2 Gbps Downlink, 900 Mbps Uplink
5G SA FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz)
5G SA TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz) / 75 (1500 MHz) / 76 (1500 MHz) / 77 (3700 MHz) / 78 (3500 MHz)
5G NSA Category	5.0 Gbps Downlink, 650 Mbps Uplink
5G NSA FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz)
5G NSA TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz) / 75 (1500 MHz) / 76 (1500 MHz) / 77 (3700 MHz) / 78 (3500 MHz)
LTE Category	20 (2.0 Gbps Downlink, 200 Mbps Uplink)
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz) / 32 (1500 MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz) / 42 (3500MHz) / 43 (3700MHz)
3G Category	R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	1 (2100MHz) / 5 (850MHz) / 8 (900MHz)
Dimensions	311 x 311 x 179 mm
Operating system	RouterOS v7, License level 3
Operating temperature	-40°C to +70°C

Powering

DC input	PoE-In
Input Voltage	12-56 V
Power adapter nominal voltage	24 V
Power adapter nominal current	0.8 A
PoE-In	802.3af/at
Max power consumption (without attachments)	10 W
Max power consumption	10 W

Included parts



24 V 0.8 A
power adapter

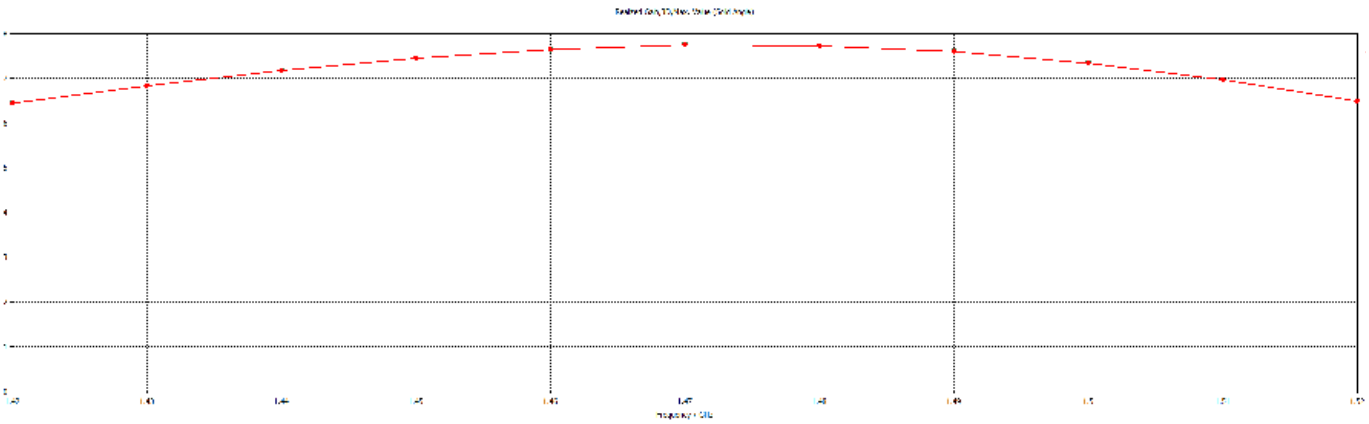


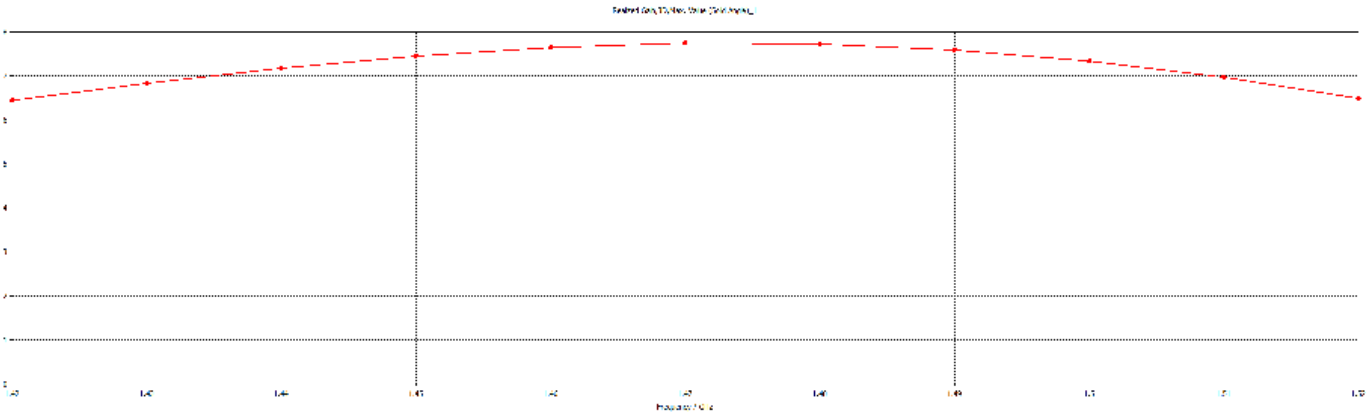
Gigabit PoE injector

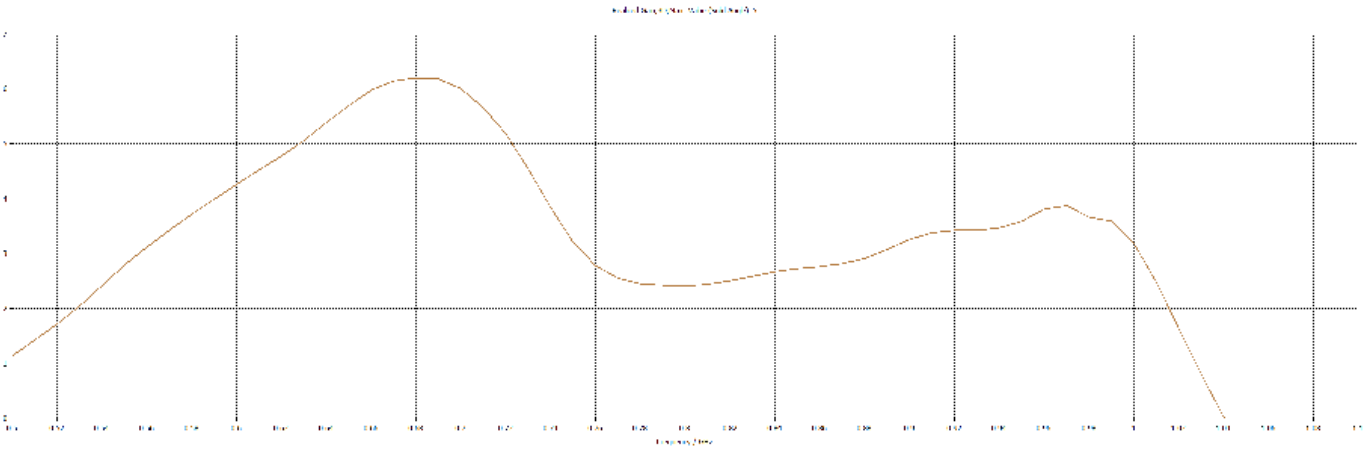


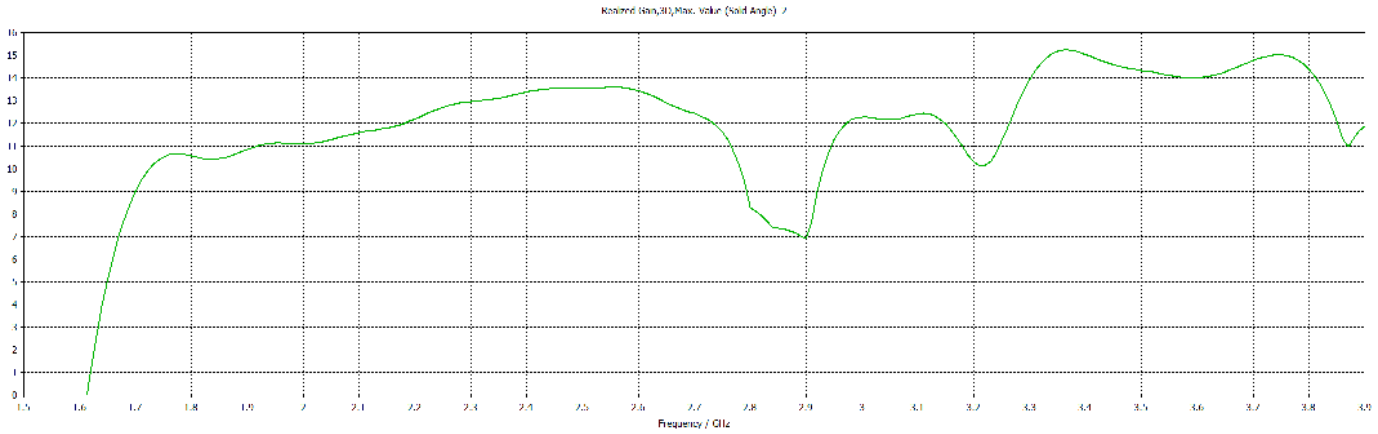
Hose clamp

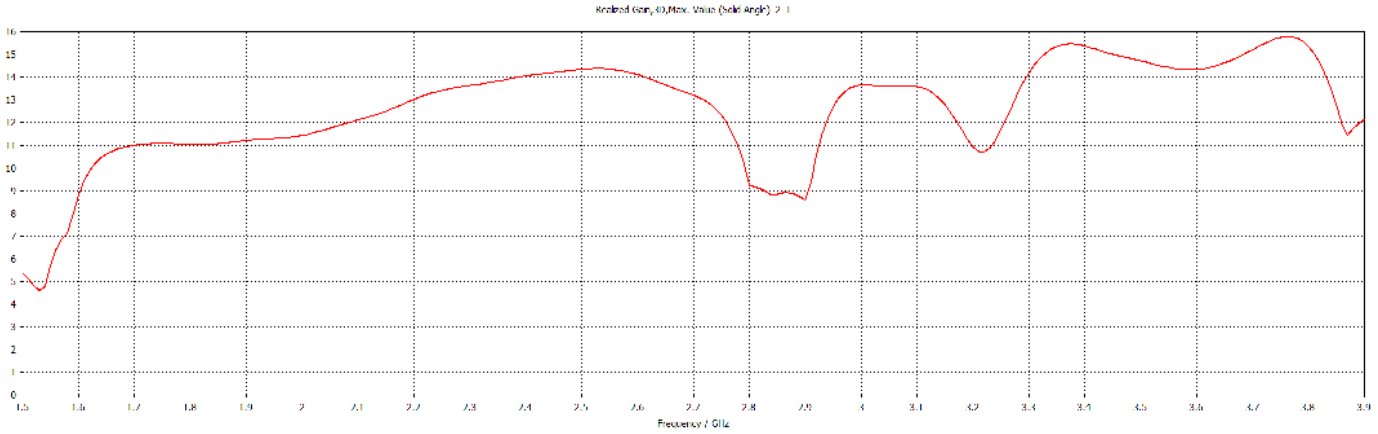
Antenna patterns

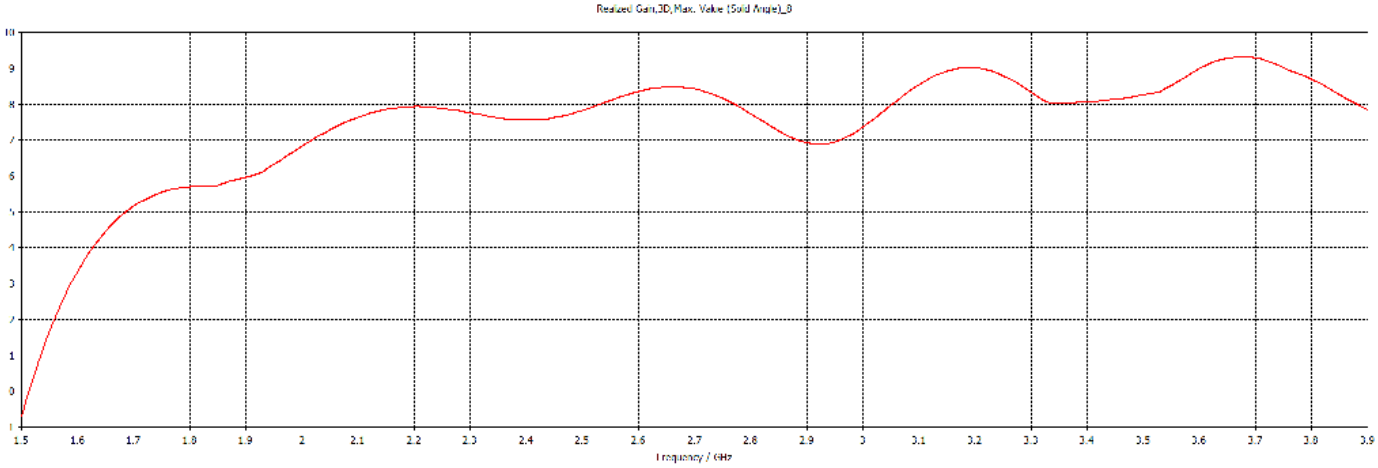


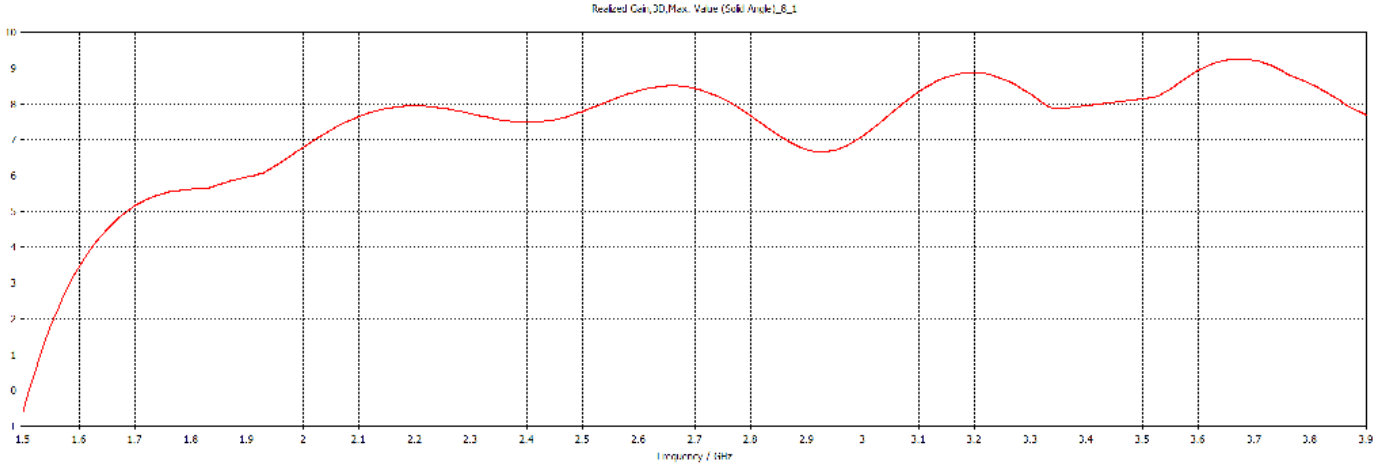





Realized Gain,3D,Max. Value (Solid Angle)
Frequency / GHz


Realized Gain,3D,Max. Value (Solid Angle)
Frequency / GHz


Realized Gain,3D,Max. Value (Solid Angle)_8
Frequency / GHz


Realized Gain,3D,Max. Value (Solid Angle)_6_1
Frequency / GHz