

Bato's House  
93 3rd St  
Springs 1560  
Gauteng  
South Africa

# Batos Radio & TV

Your one stop Electronic Shop

Tel : (011) 362-2085

[batos.co.za](http://batos.co.za)

Email : [bato@batos.co.za](mailto:bato@batos.co.za)

Skype Contact : [batojak](https://www.skype.com/en/contacts/batojak)  
You Tube: [batojak](https://www.youtube.com/channel/UCbatojak)  
P.O. Box 1518  
Springs 1560  
Gauteng  
South Africa

## New Service we offer

We custom **make, trim, tune** and **access** (verify) the specs if they are properly tuned and if can be used for advertised frequency including quality of most **Antennas**.

Our facilities allow us to be able to access and measure antennas from 1.8Mhz to 2700Mhz .

We have Antenna Impedance Analyzer, Vector Network Analyzer, Spectrum Analyzer, Dip meter, Frequency Counters, Signal Strength meter and many other gadgets to do a proper job.

Each antenna accessed or made by us is individually checked or tuned with above instruments for the highest accuracy.

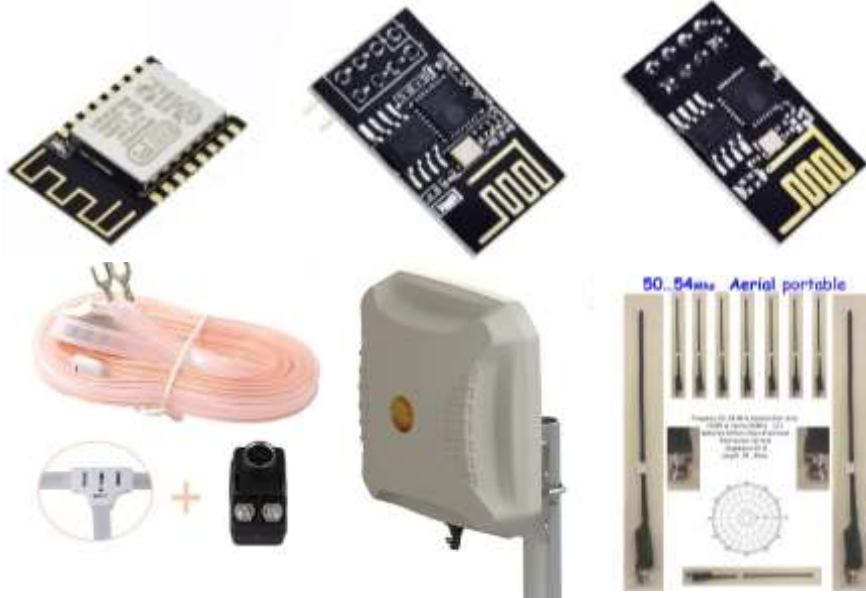
So if you have **Antenna** and need to make sure is doing the job and is made for your 2 way radio commercial Radios or Radio Amateur stuff, or your Quad Copter, Aero plane, Drone, your Internet Modem Router (any Network connected to) desk top wireless Telephones than we are the people to see and assist as it is highly specialized job.

We hack (modify) any of your (data transmitting, communicating) ESP modules by removing and fitting our Perfectly made Antenna and in turn **DOUBLE** your Tx and Rx distance.

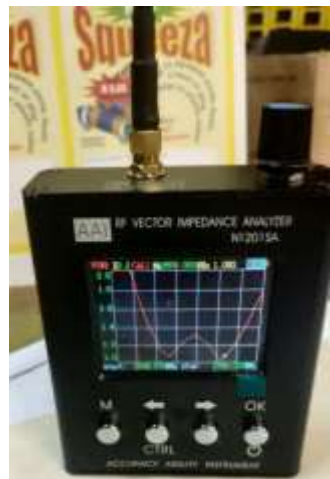
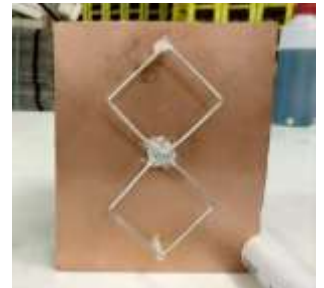
So if you have any issues with antennas , transmission or reception on your -any- radios, Internet Modems Routers, Drones etc etc than let us help you.

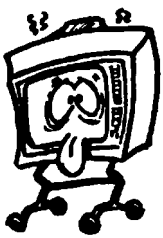


Looking for **Signal**



50.54MHz Aerial portable





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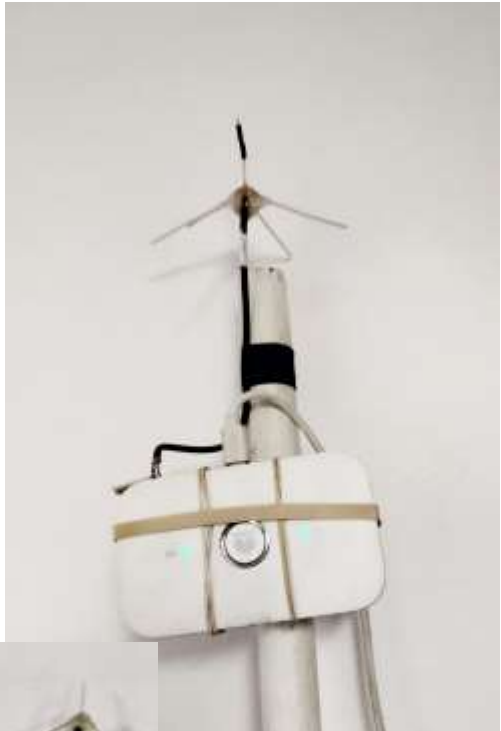
batos.co.za

Email : bato@batos.co.za



## No Internet Signal or slow download speed !?

Don't worry you can get signal, or increase Download Speed by careful guidance from us after getting our **Custom made Antenna** for your Application with bit of an Effort changing **Position of Modem** with Antenna attached and changing **Modem Settings** you should improve your Signal !



Modem readings you will see in Modem Setup, which will give you indication of how Strong is yr Signal and of what quality so after changing setting for Internal, External or Combined Antenna setting and different positions of the modem will give you Best position for your Modem with attached Antenna and best setting of the Modem. !!! Of course results will very depending on the Signal Tower occupancy at the time and how Busy is the Network provider you are using !!!

Signal Strength	Technology	RSSI
	Excellent	LTE and 3G
Good		-65 to -75
Fair		-75 to -85
Poor		< -85



Signal Quality	SINR (dB)	RSRQ (dB)	RSRP (dBm)	EC/Io (dB)
	Technology	LTE Only	LTE only	LTE only
Excellent	> 12.5	> -5	> -84	> -2
Good	10 to 12.5	-9 to -5	-85 to -102	-2 to -5
Fair	7 to 10	-12 to -9	-103 to -111	-5 to -10
Poor	< 7	< -12	< -111	< -10