



MIKROTIK

Mikrotiks SIA (SIA "Mikrotiks")

Address: Brivibas gatve 214i,

Rīga, LV-1039, Latvia

Phone: +371 67317700

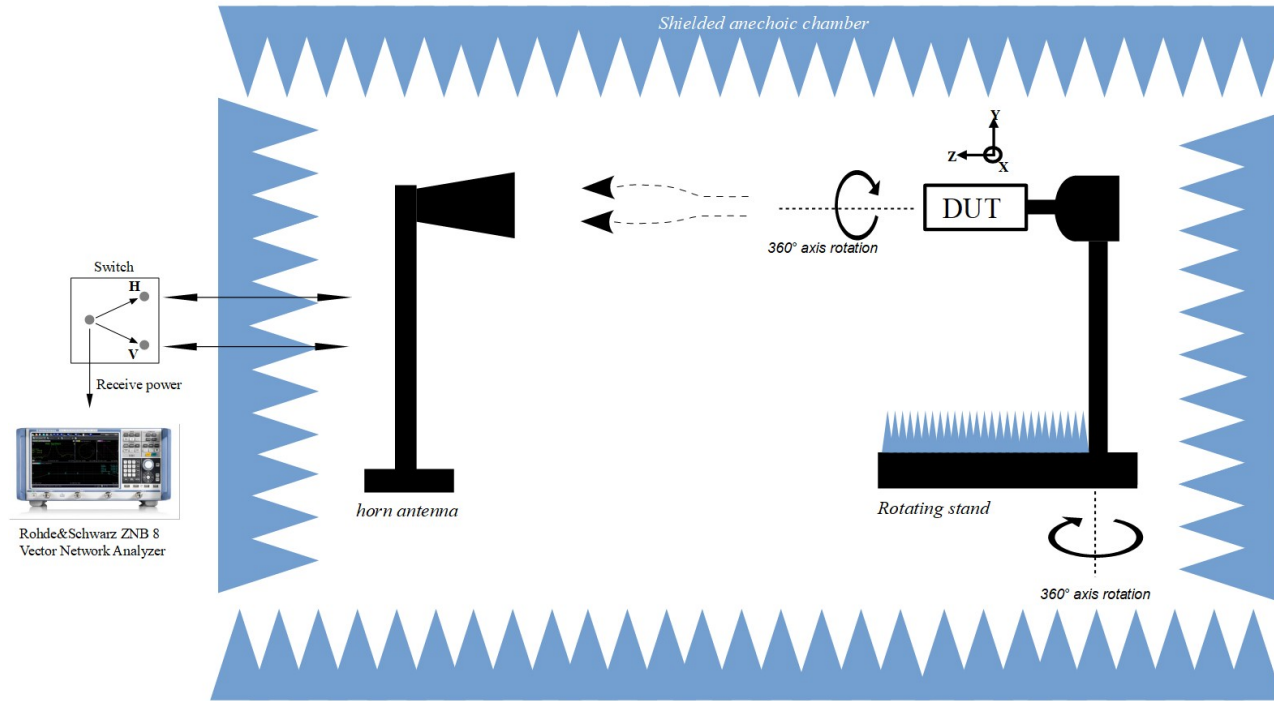
Fax: +371 67317701

Email: Certification@mikrotik.com

Antenna details

| Ant No. | Number of Antennas | Type | Manufacturer | Model | Family | Peak Gain (dBi) | Frequency Band (MHz) |
|---------|--------------------|---------------------------|--------------|--|--------|-----------------|--------------------------|
| 1 | 1 | Internal/integral (Wi-Fi) | MikroTik | L22UGS-5HaxD2HaxD-15S built in cross-polarized sector antenna | Sector | 12 14 | 2400~2483.5 5150-5895 |

Antenna Gain Testing Setup

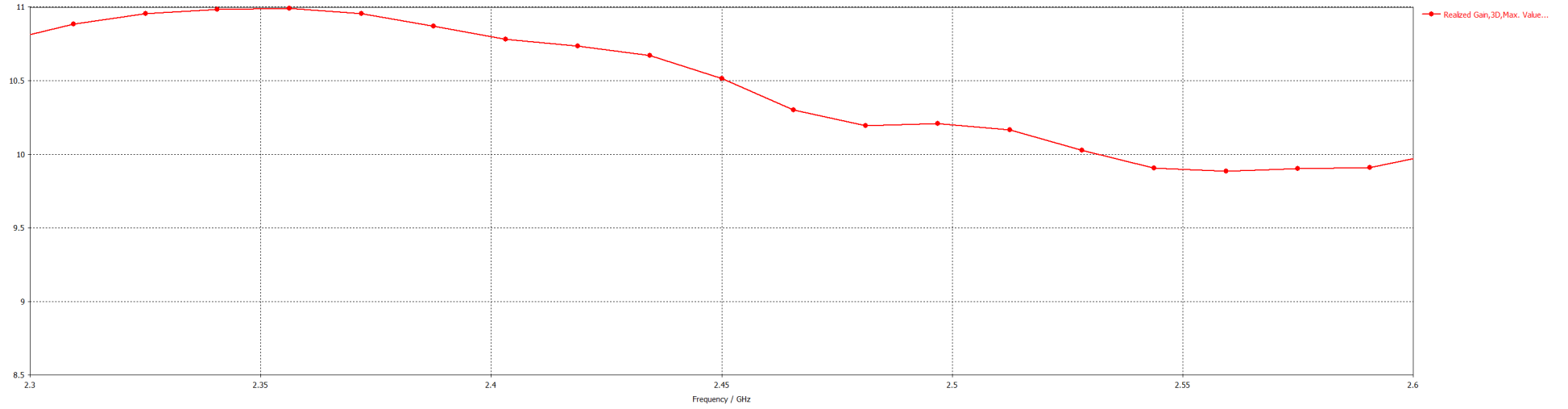


Explanation: Antenna testing is performed using the test setup above. Antenna gain is measured in 3d plane. The measurements are then taken and ran through CST studio Time domain solver simulation system to draw Antenna peak gain diagram. Simulation is performed taking into account pcb with components, case desing, heatsink and etc.

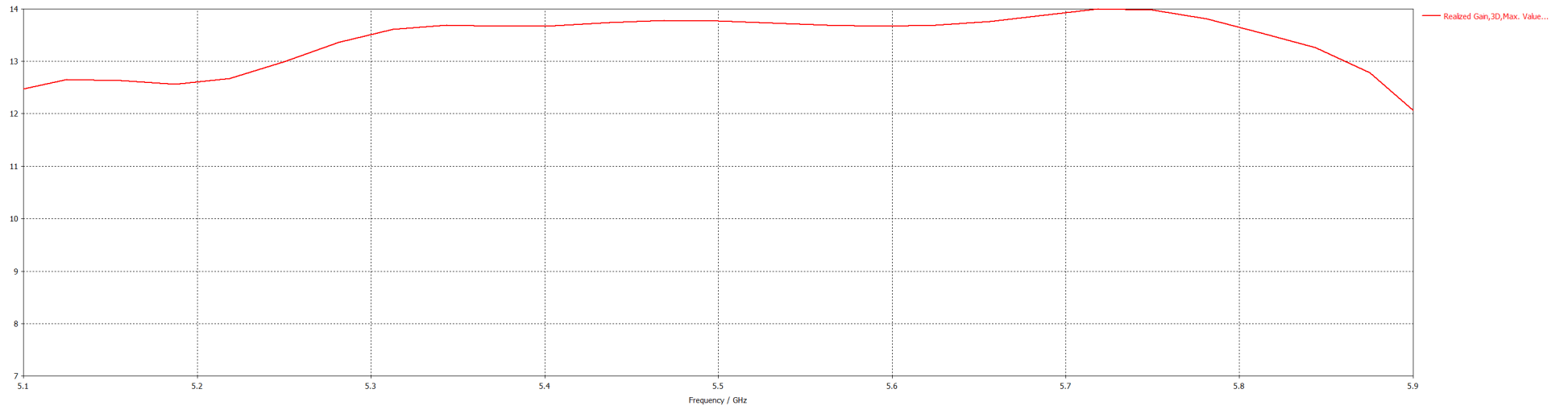
Realized antenna gain Diagram

Horizontal polarization

Realized Gan,3D,Max. Value (Solid Angle)

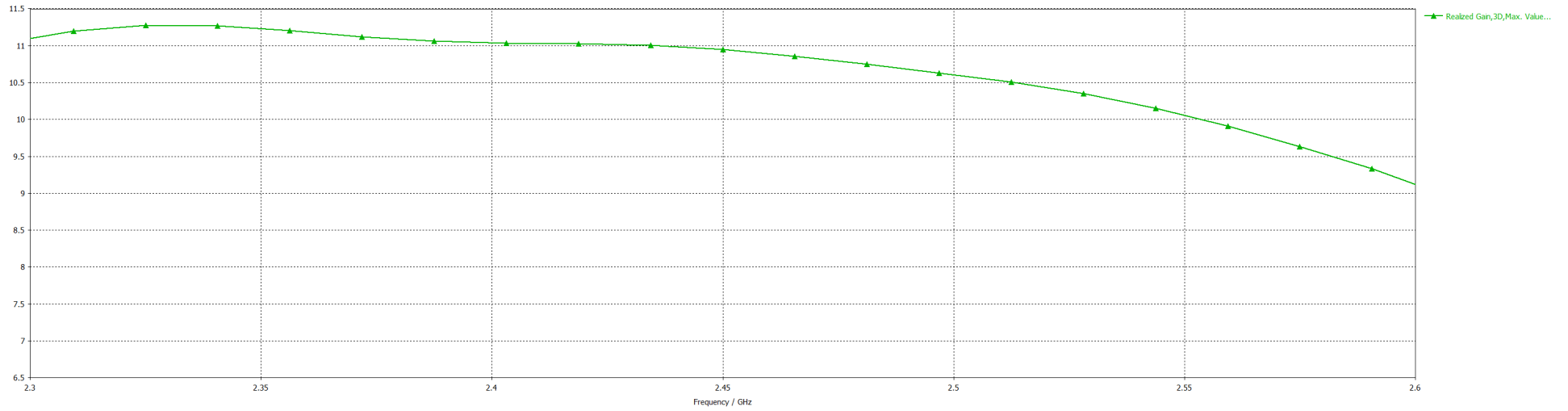


Realized Gan,3D,Max. Value (Solid Angle)_3



Vertical polarization

Realized Gain,3D,Max. Value (Solid Angle)_1



Realized Gain,3D,Max. Value (Solid Angle)_2

