



**m i k r o t i k**

**Mikrotiks SIA (SIA "Mikrotiks")**

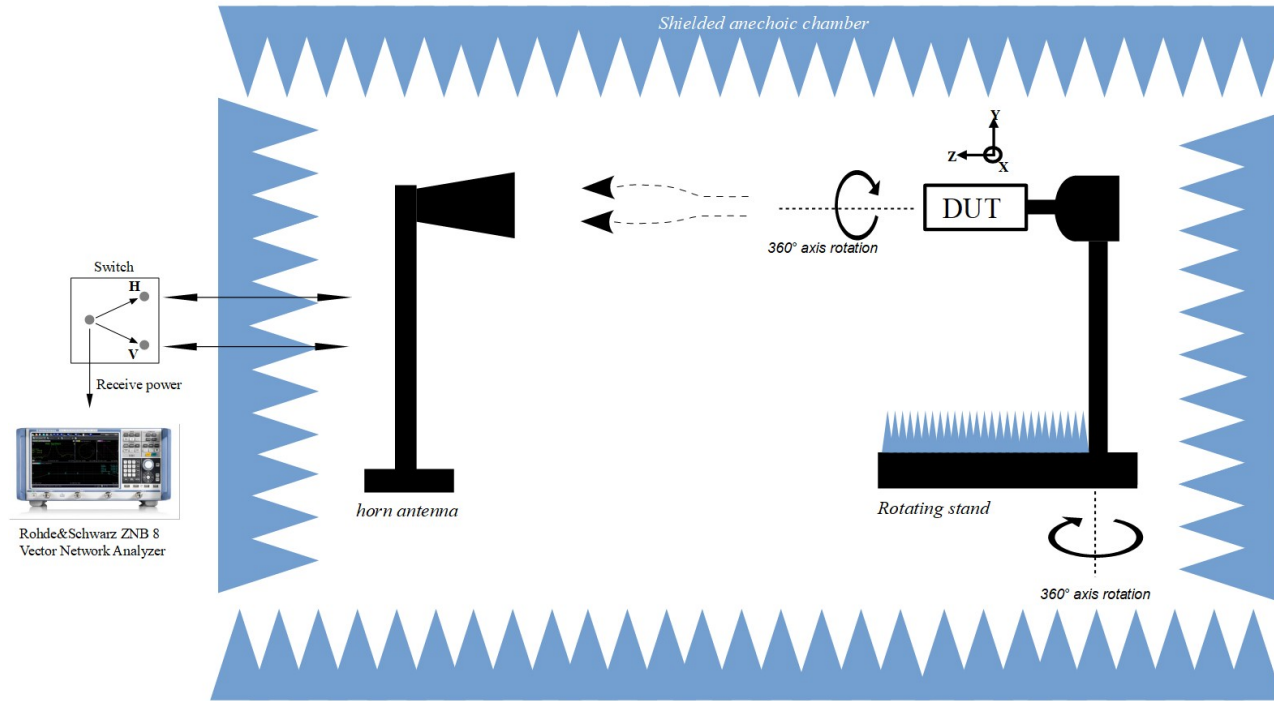
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**Antenna details**

<b>Ant No.</b>	<b>Number of Antennas</b>	<b>Type</b>	<b>Manufacturer</b>	<b>Model</b>	<b>Family</b>	<b>Peak Gain (dBi)</b>	<b>Frequency Band (MHz)</b>
1	1	External (Wi-Fi)	MikroTik	MTAS-5G-19D120	Sector	19	5150-5895

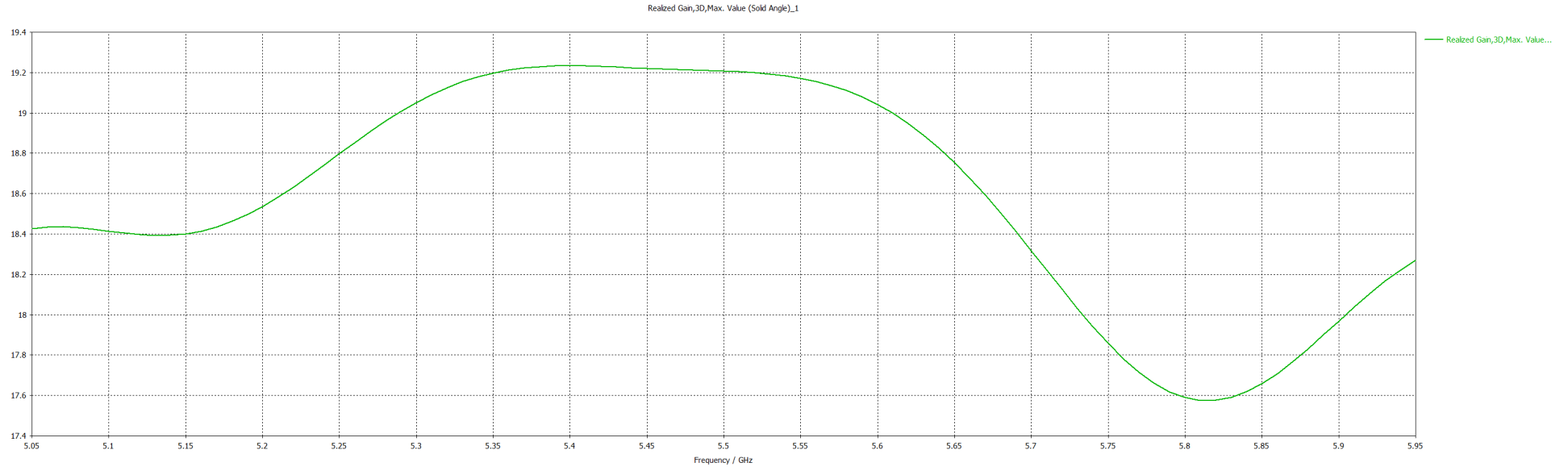
## Antenna Gain Testing Setup



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



# Vertical polarization

