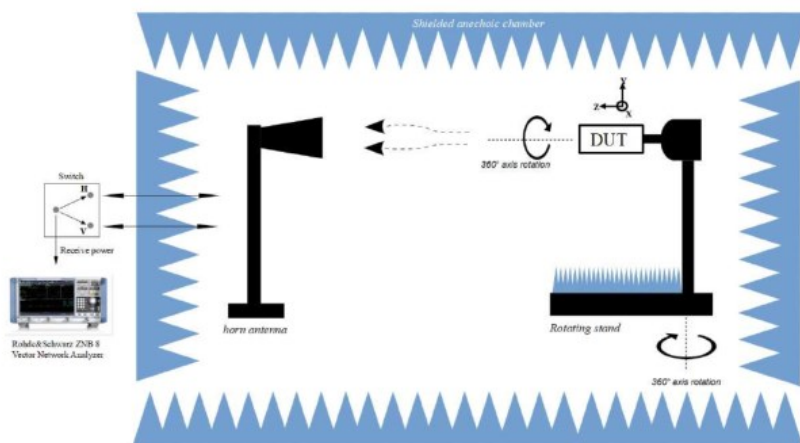


Antenna Details

Ant No.	Number of Antennas	Type	Manufacturer	Model	Family	Peak Gain (dBi)	Dir BW	Frequency Band (MHz)
1	1	Internal / Integrated (LoRa)	MikroTik (Mikrotikls SIA)	95XKAJ15.GAFRW	PCB	2 dBi	360°	902-928MHz
2	1	Internal / Integrated (Wi-Fi)	Wistron NeWeb Corporation, 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C	915_Omni_antenna	FRP	5.2 dBi	180°	902-928MHz

Antenna Gain Testing Setup



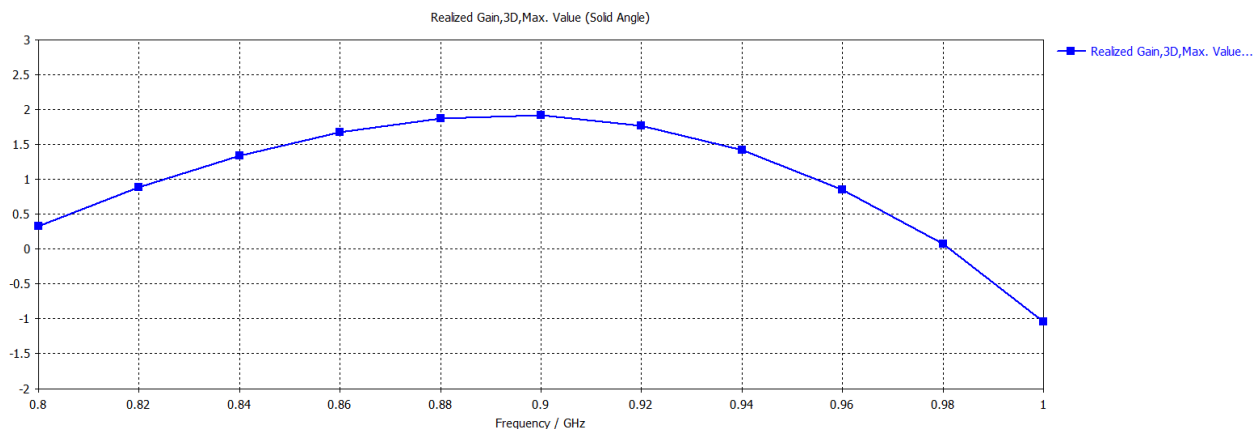
Explanation: Antenna testing is performed using the test setup above. Antenna gain is measured in 3d plane. The measurements are then taken and ran through CST studio Time domain solver simulation system to draw Antenna peak gain diagram. Simulation is performed taking into account pcb with components,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



Mikrotikls SIA (SIA "Mikrotīkls")

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1. PCB Antenna: Realized antenna gain Diagram



2. FRP Antenna: Realized antenna gain Diagram

