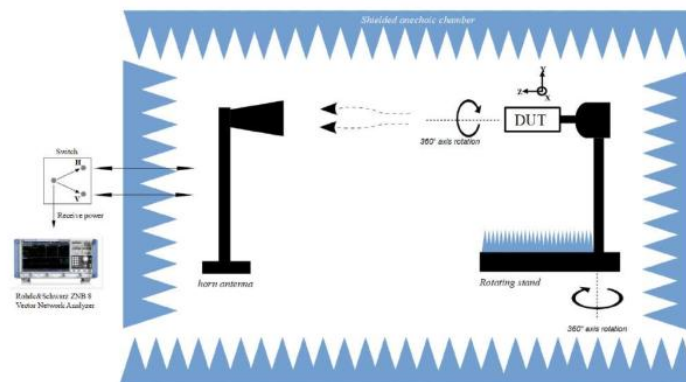


**Mikrotikls SIA (SIA "Mikrotīkls")**

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Webpage: www.mikrotik.com

Antenna details EG25-G&KNe

Ant No.	Number of Antennas	Type	Manufacturer	Model	Family	Peak Gain (dBi)	Dir BW	Frequency Band (MHz)
1	1	Internal / Integrated PIFA (Bluetooth)	MikroTik	PAP-PIFAANT2_4GHZ-R1-V2-VT	Omnidirectional Antenna	4,7	360°	2400-2483.5
2	1	External (WWAN) – only supplied for testing	MikroTik	MTAO-LTE-5D-SQ	Omnidirectional Antenna	5	360°	EG25-G Bands

Antenna Gain Testing Setup

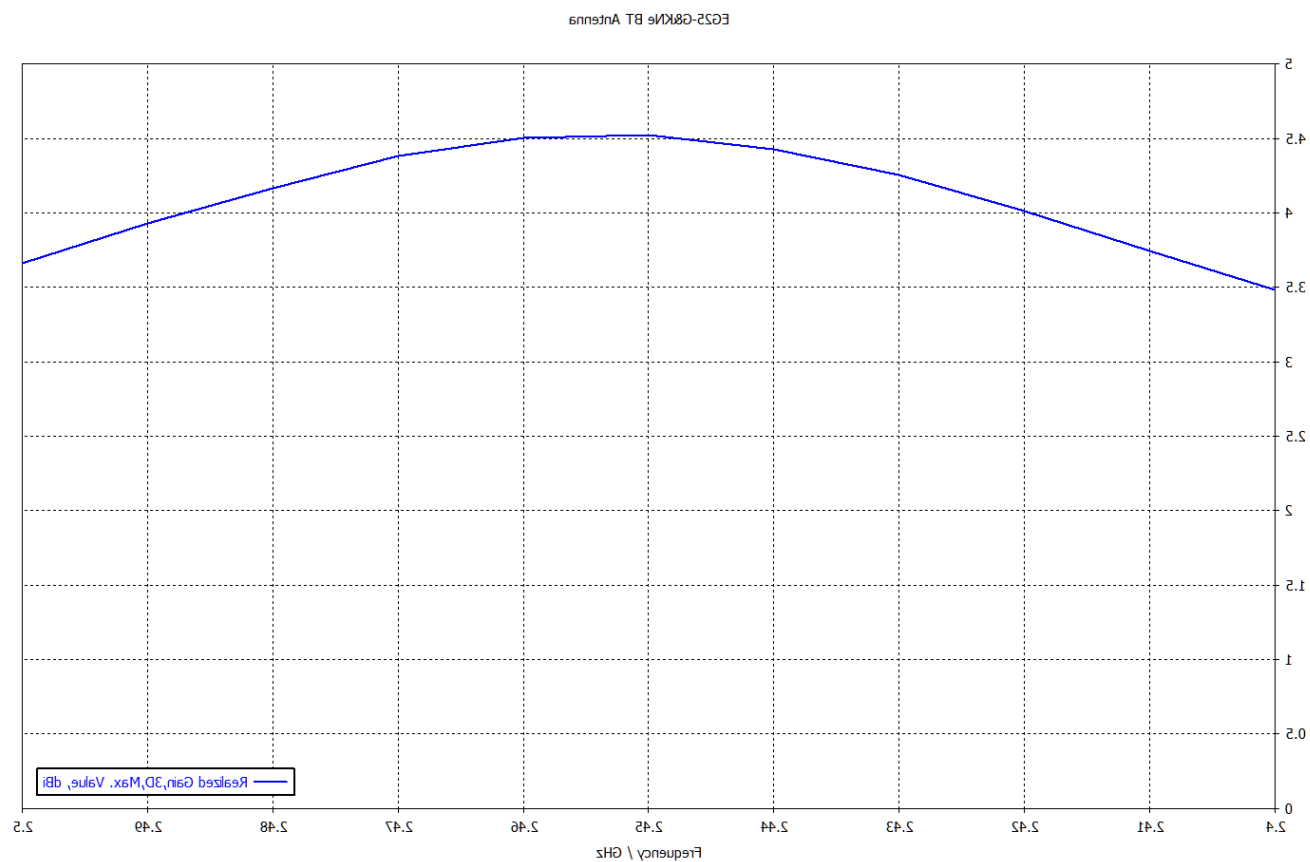
Explanation: Antenna testing is performed using the test setup above. Antenna gain is measured in 3d plane. The measurements are then taken and ran through CST studio Time domain solver simulation system to draw Antenna peak gain diagram. Simulation is performed taking into account pcb with components,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



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1. Internal / Integrated PIFA (Bluetooth) Antenna





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2. External (WWAN) Antenna

