
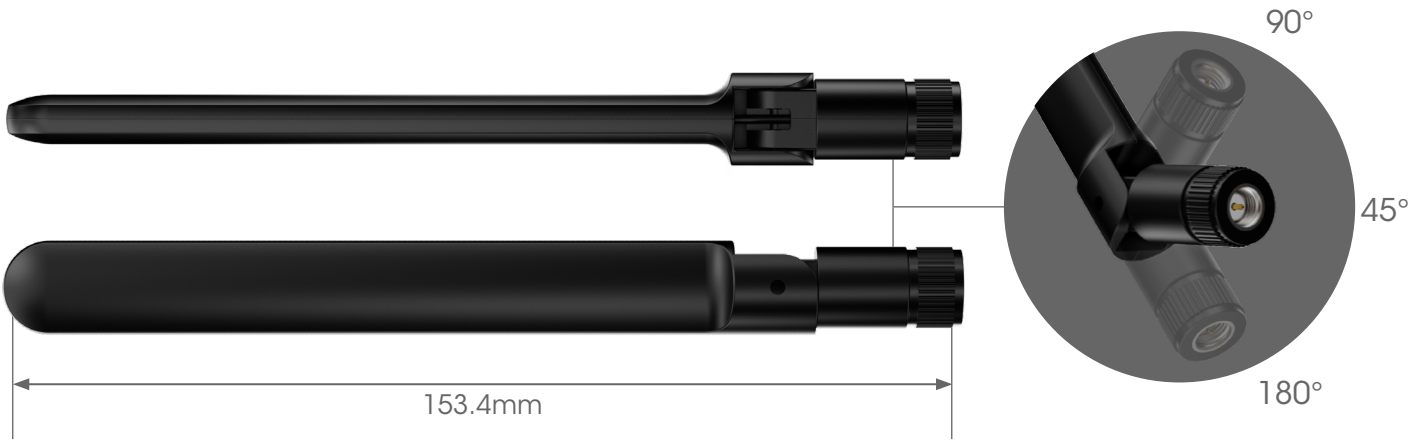


REV. DATE & DRN 10. 04/08/73 - CC RELEASE 11. 13/05/75 - NYW ADD GCT LOGO.	Scale: NTS		THIRD ANGLE	Unstated Tolerances: .X ± 0.30 .XX ± 0.20 .XXX ± 0.10 ANGLES	Material SEE NOTE	 www.gct.co www.gradconn.com	Type: RFA-100-015		
	Drawn: CC						RFA-100-015		
	App'd: PH		Title SMA Antenna		NOT TO SCALE		Drawing Number:		
	Date: 13 MAY '25		Revision: 1.1		Unit: mm		Sheet 1 of 1	Drawing © E and O E	

RFA-100-015 Antenna

RF Antenna Stick | Dual Band | SMA Plug interface



Electrical Specifications

Description	Specification
Frequency Range/s	1710-2100MHz
Antenna Type	Stick Antenna
Number of Bands	2
Radiation Pattern	Omnidirectional
Polarization	Linear
Max. Input Power	1 Watt
Impedance	50Ω

Frequency	Return Loss	Peak Gain	Average Efficiency
1710-2100MHz	< -8.5 dB	6.25 dBi	42.6%

Mechanical Specifications

Description	Specification
Lengh	153.4 ± 3mm
Swivel Elbow	180°, 90°, 45°
Weight	15.4g
Termination	SMA
Radome Material	PC+PBT
Operating Temprature	-20°C to 65°C
Compliance	RoHS

Applications

Cellular Networks: LTE Band 3 (1800 MHz), 5G NR Band n1 (2100MHz)
IoT & M2M: LTE Cat-1 / Cat-M1 using Bands 3 & 1
Private Networks: Industrial and enterprise LTE deployments

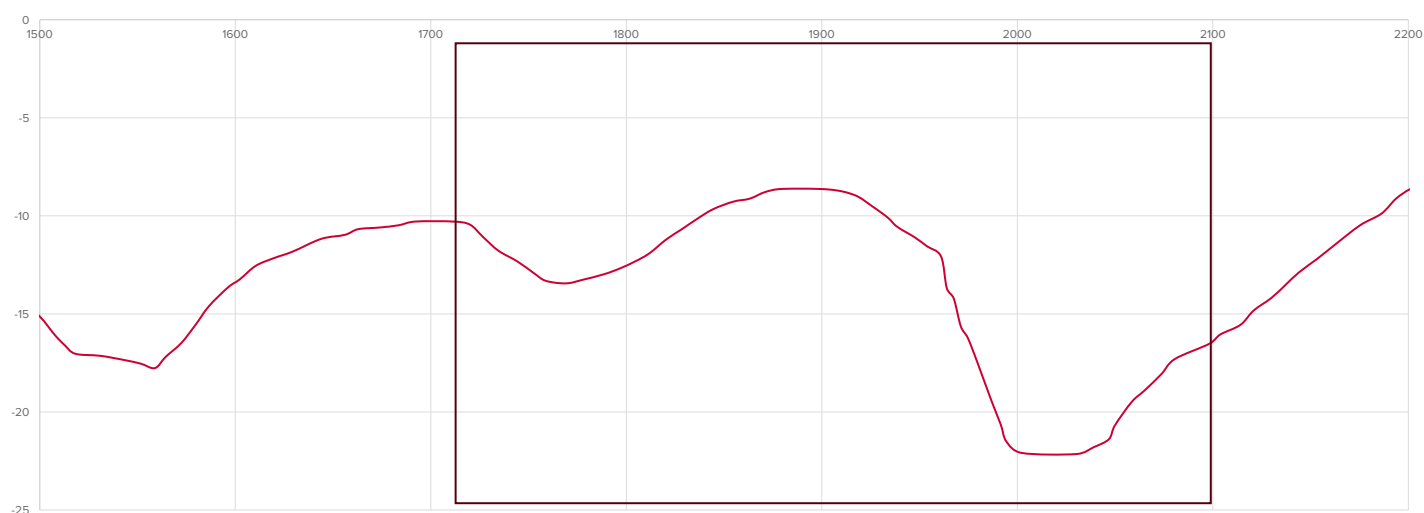
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Performance

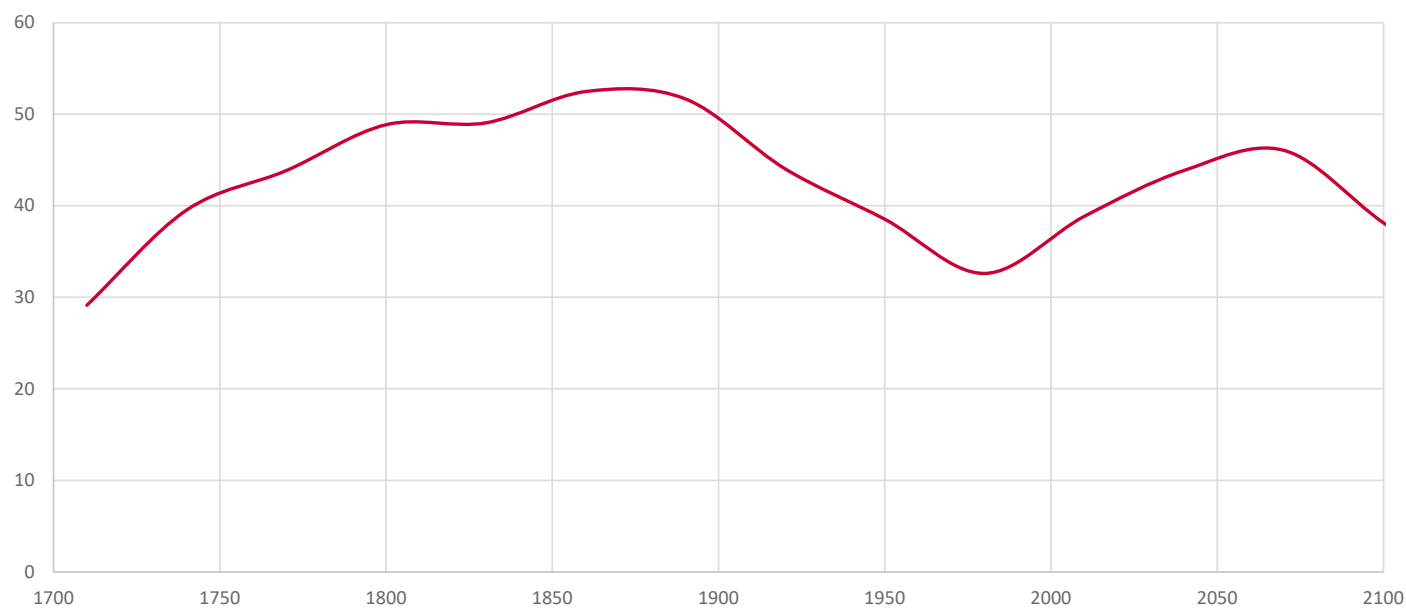
The test setup and measurements were conducted in a 3D anechoic chamber



Return Loss (dB) Chart

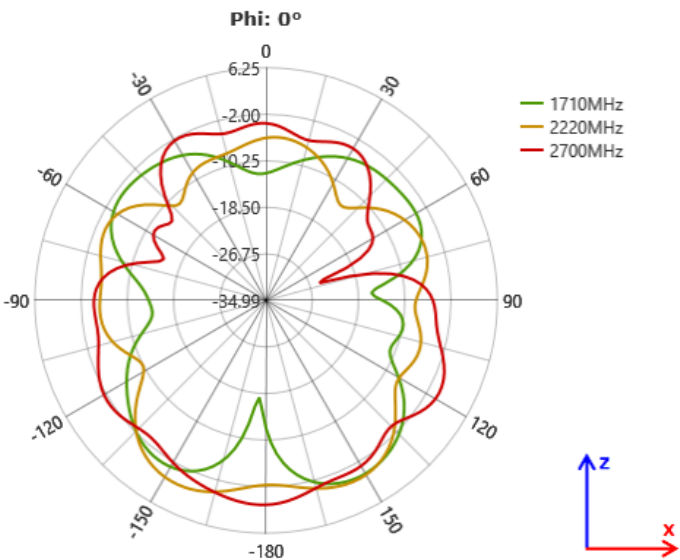
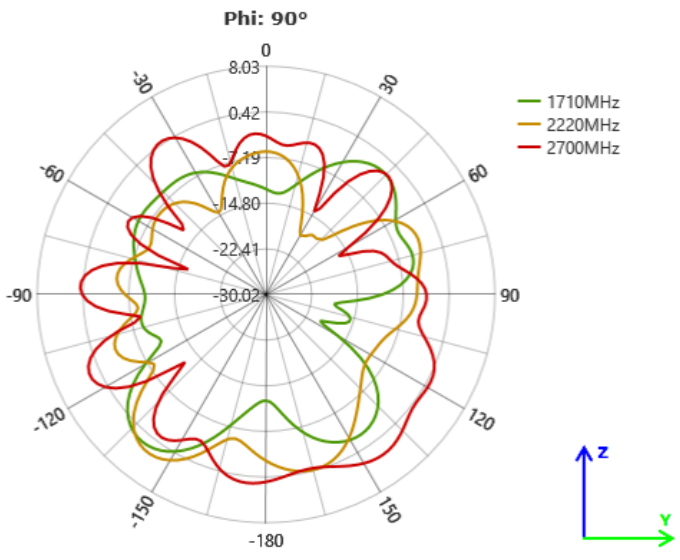
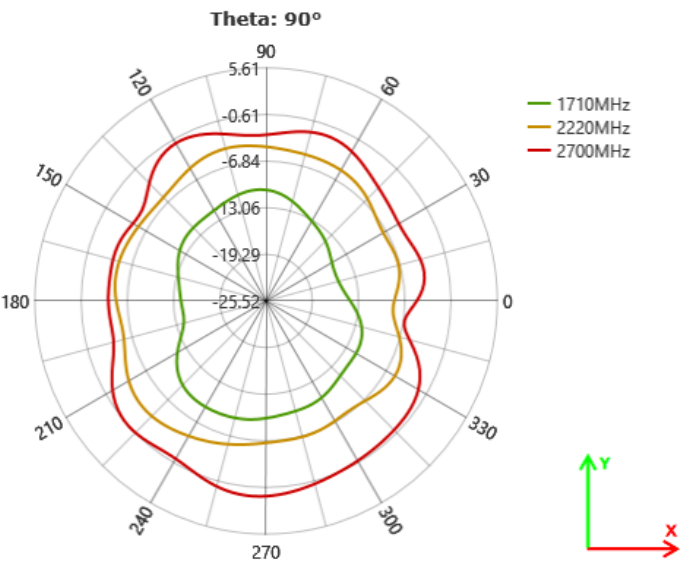


Efficiency



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Radiation Patterns
1710-2100MHz



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