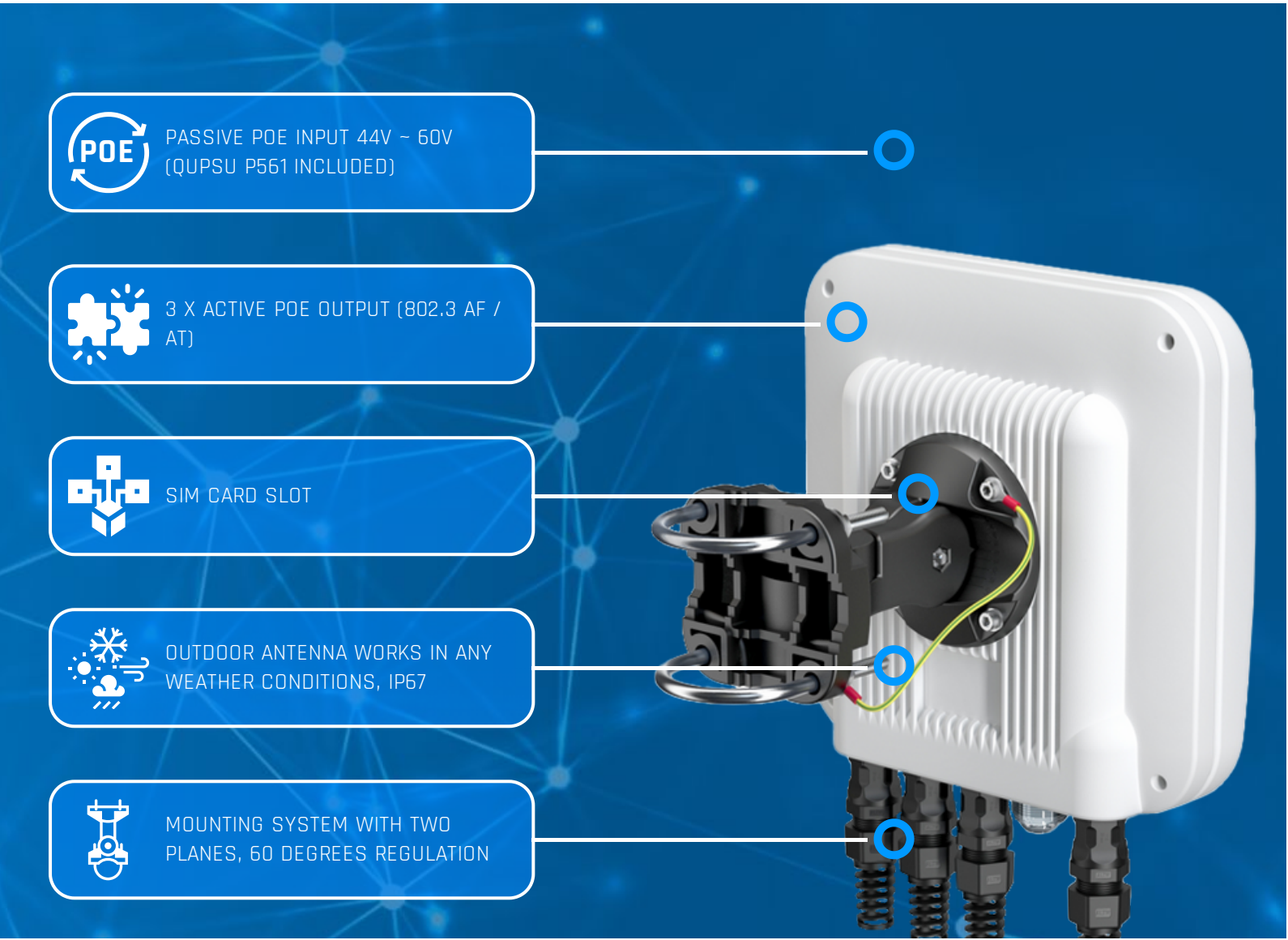
QuCam for Teltonika RUT240/RUT241

Outdoor CCTV LTE PoE gateway with embedded LTE router & PoE switch for CCTV cameras.

-End of Life- QuCam for RUT2xx series is a powerful outdoor industrial gateway for professional CCTV application with embedded PoE switch for up to 3x CCTV cameras and place to install Teltonika RUT200, RUT230, RUT240, RUT241 or RUT260 (not included in gateway set). QuCam for RUT241 also has integrated omnidirectional LTE and Wi-Fi antennas. The mobile router delivers high performance for mission-critical cellular communication in harsh and hazardous environments where a wide operating temperature is required. Equipped with an external SIM holder.

WE REGRET TO INFORM YOU THAT THE PRODUCT HAS REACHED ITS END OF LIFE (EOL). A NEWER AND BETTER VERSION IS NOW OUT. CHECK IT OUT HERE: [QuCam for RUT2xx ver. US]

END OF LIFE | 4G LTE | Wi Fi 2.4GHz | 694-2700MHz | 4 dBi | OMNI DIRECTIONAL | IP 67 | -40° TO +80° | 3 x POE OUT 802.3af/at | 1 x POE OUT Passive 24V | 1 x POE IN Passive 44-60V



LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.5 - 2.7 GHz
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 33, 34, 35, 36, 37, 38, 39, 44, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n95, n98, n100, n101, n256
GAIN	694 - 960 MHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.5 - 2.7 GHz : 4 dBi
VSWR	<1.50, max <2.50
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	2x SMA
CABLE TYPE	RG316

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz
GAIN	3 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	1x RPSMA
CABLE TYPE	RG316

POE SWITCH SPECIFICATION

LAN PORTS	6x RJ45 10/100Mbps
POE INPUT	1x Passive PoE input 44-60V (LAN_5)
POE OUTPUT	4x Active PoE 802.3af/at (LAN_1-4) 1x Passive PoE output 24V/24W (LAN_6)
POE OUTPUT PROTECTION	LAN_1-4: 0.75A, LAN_5: 1.25A (separate resettable fuses)
PASSIVE POE MODE	mode B (4,5+) (7,8-)
LEDS	1x Power on (white, on board), 6x Link (orange, on port), 6x Transmit (green, on port)
OPERATING TEMPERATURE	-10°C ... +40°C
INSTALLATION	4x holes ∅2.5mm

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

DIMENSIONS	73mm x 145mm x 17mm (WxLxH)
WEIGHT	69.5g

POWER SUPPLY ELECTRICAL INPUT SPECIFICATION

INPUT VOLTAGE	110 ... 240VAC
INPUT FREQUENCY	50 ... 60Hz
INPUT CURRENT	max. 2A RMS
INRUSH CURRENT	max. 30A
AC LEAKAGE CURRENT	max. 3.5mA
EFFICIENCY	min. 80% @ 100VAC, 84% @ 240VAC
DIELECTRIC STRENGTH (PRIMARY TO SECONDARY)	2kVAC/5mA/1s
INPUT SOCKET	IEC320-C6
AC POWER CORD	1.5m length, 3 pins EU or UK plug

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

POWER SUPPLY ELECTRICAL OUTPUT SPECIFICATION

OUTPUT VOLTAGE	56VDC
MIN. LOAD	0A
MAX. LOAD	1A
PEAK LOAD	1.46A
OUTPUT POWER	56W
LINE REGULATION	± 3%
LOAD REGULATION	± 5%
RIPPLE	560mVpp
TURN ON DELAY TIME	max. 5s
RISE TIME	max. 40ms
HOLD UP TIME	min. 5ms
OVERSHOOT	max. 15%
PROTECIONS	Short circuit, over current (110 ... 200% of DC output)
ETHERNET PORTS	Input (LAN): 1x RJ45 10/100Mbps Output (PoE): 1x RJ45 10/100Mbps
POE MODE	mode B: pins 4,5 + / pins 7,8 -
LEDS	Green: Power supply is on Orange: PoE device connected

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

POWER SUPPLY MECHANICAL SPECIFICATION

MTBF	30,000 operating hours confidence-level at 80% load, 25°C
OPERATING TEMPERATURE	-10°C ... +45°C
STORAGE TEMPERATURE	-20°C ... +85°C
HUMIDITY	5% @ 0°C, 90% @ 40°C
SIZE	146 x 59 x 30mm (LxWxH)
SAFETY	CE: EMC/LVD / FCC Part 15 Class B/ EN55022 Class B/ EN55024

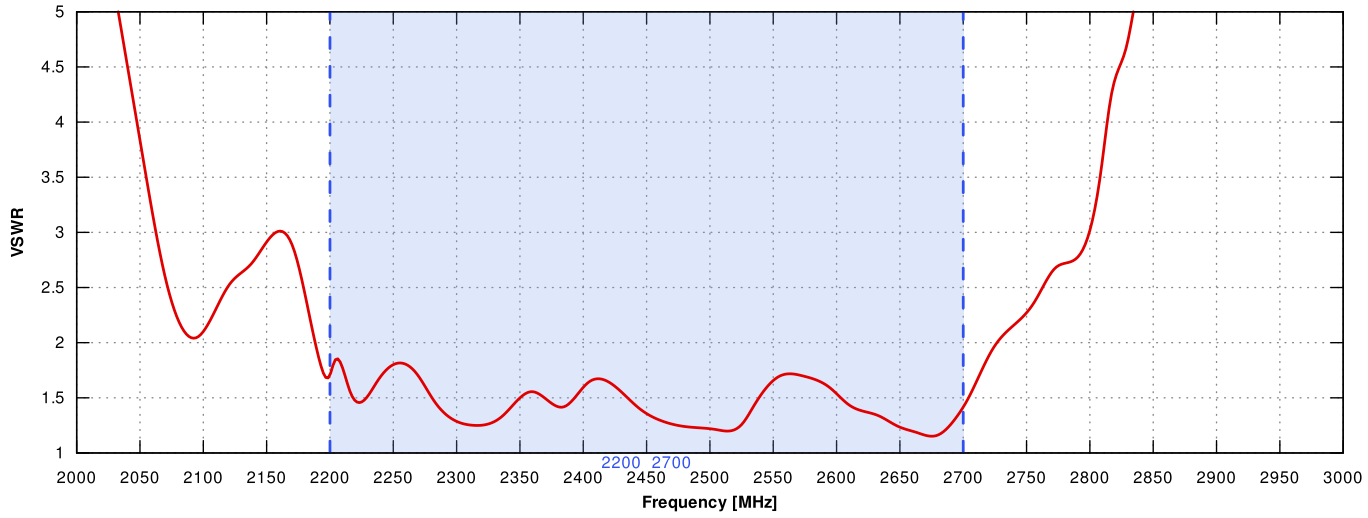
FREQUENCY BANDS

LTE / 4G GSM	617 MHz	5	8	12	13	14	17	18	960 MHz
		19	20	26	27	28	29	44	
		67	68	85	103	n81	n82	n83	
		n98	n100						
LTE / 4G UMTS	1710 MHz	1	2	3	4	9	10	25	2170 MHz
		33	34	35	36	37	39	n80	
		n84	n86	n95	n98	n101			
LTE / 4G	2400 MHz	7	38	69					2700 MHz

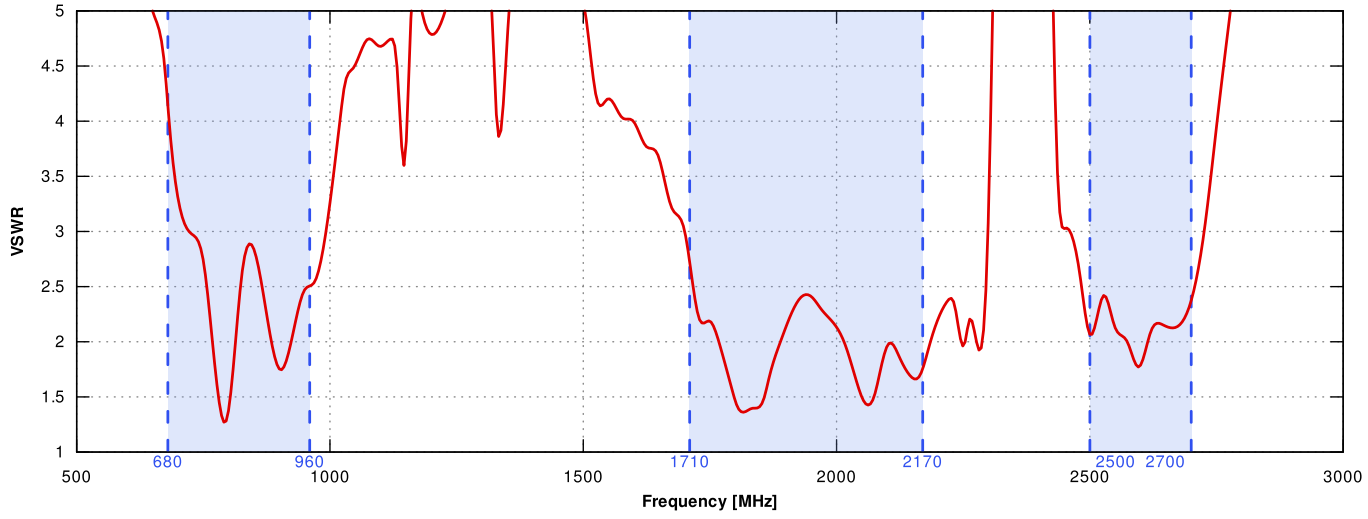
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

PLOTS

VSWR FOR WI-FI ANTENNA

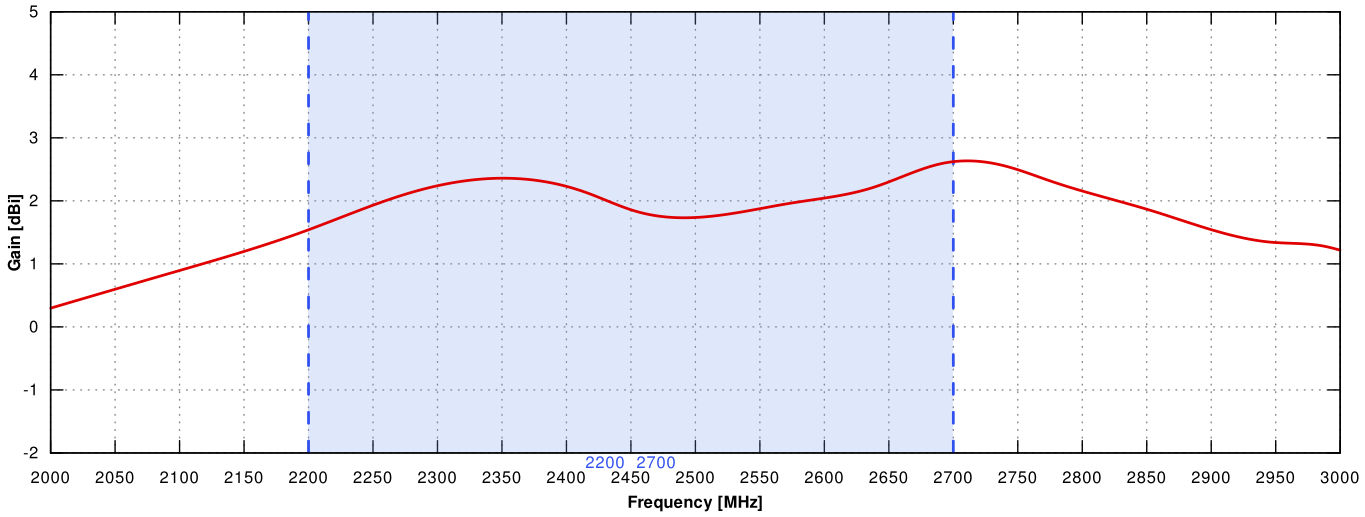


VSWR FOR LTE ANTENNA

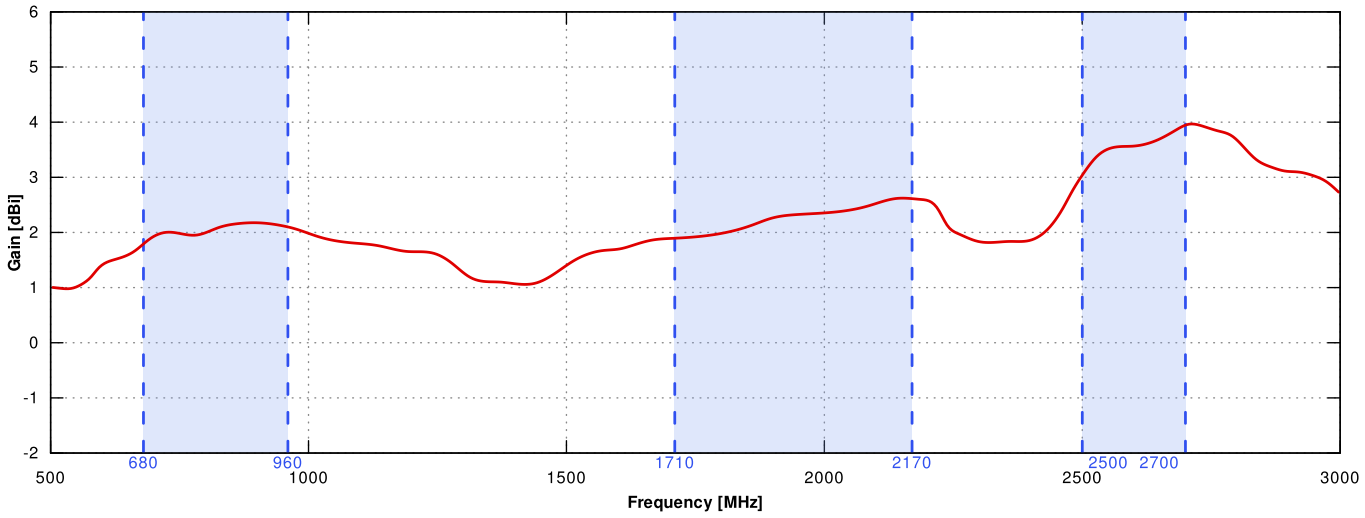


Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

GAIN FOR WI-FI ANTENNA



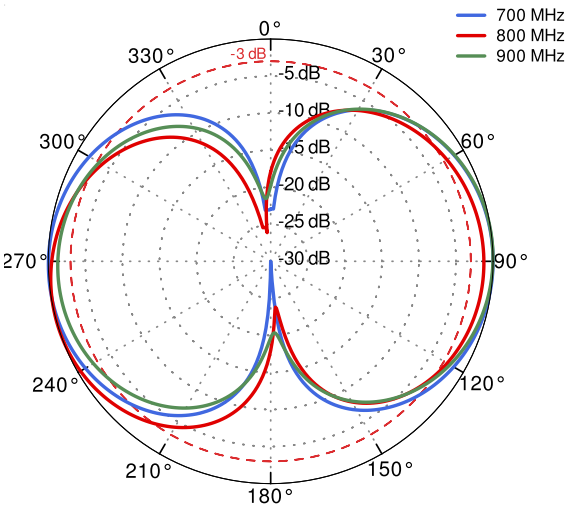
GAIN FOR LTE ANTENNA



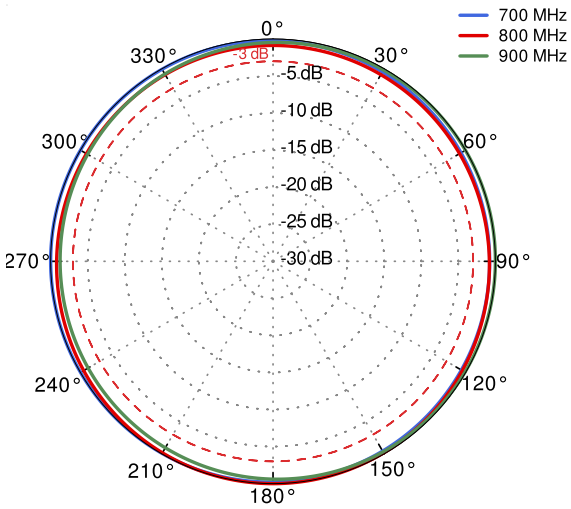
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

LTE from 700MHz to 900MHz

ELEVATION

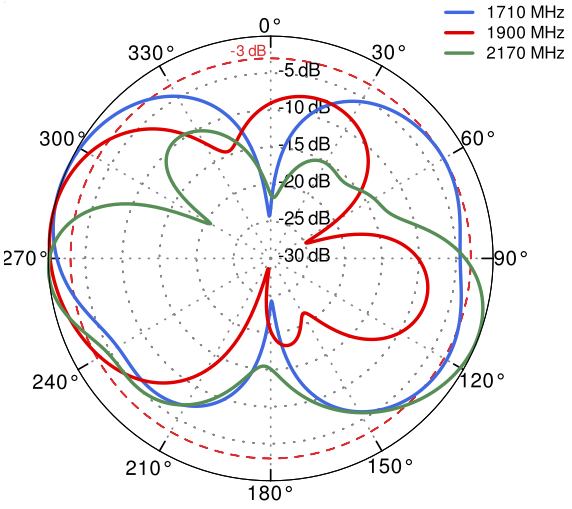


AZIMUTH

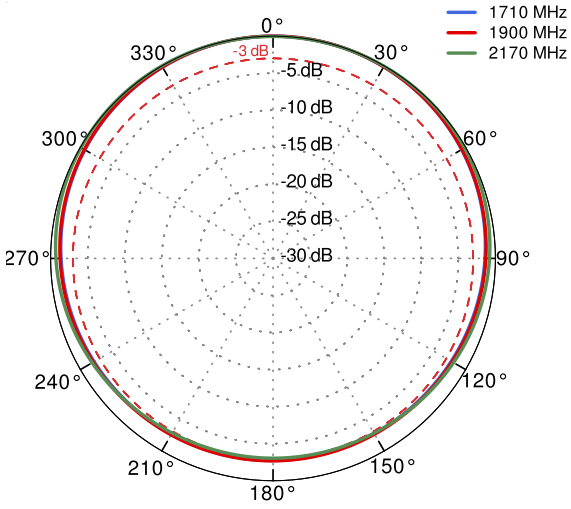


LTE from 1.71GHz to 2.17GHz

ELEVATION



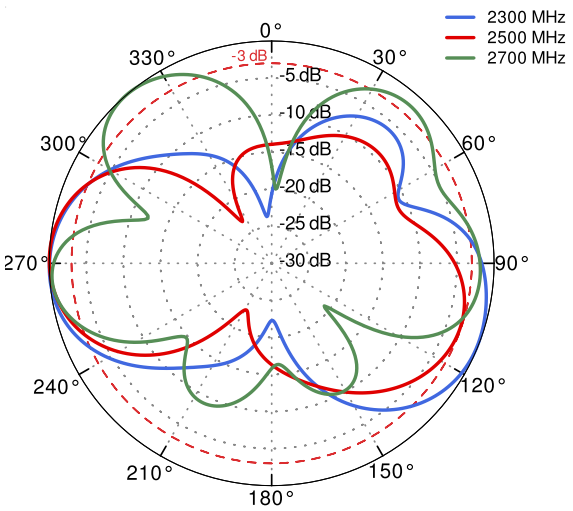
AZIMUTH



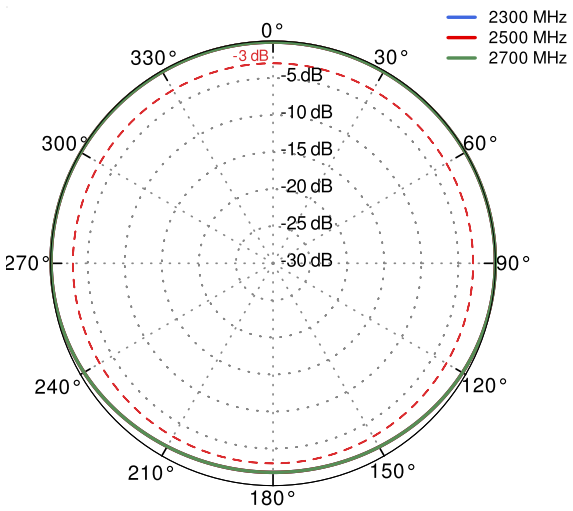
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

LTE from 2.3GHz to 2.7GHz

ELEVATION

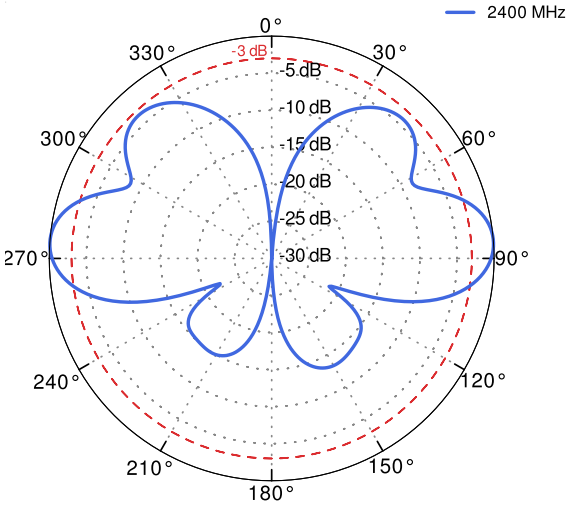


AZIMUTH

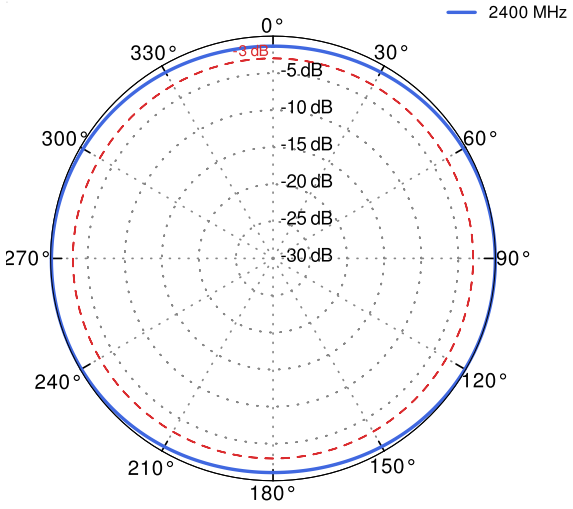


Wi-Fi 2.4GHz to 2.5GHz

ELEVATION

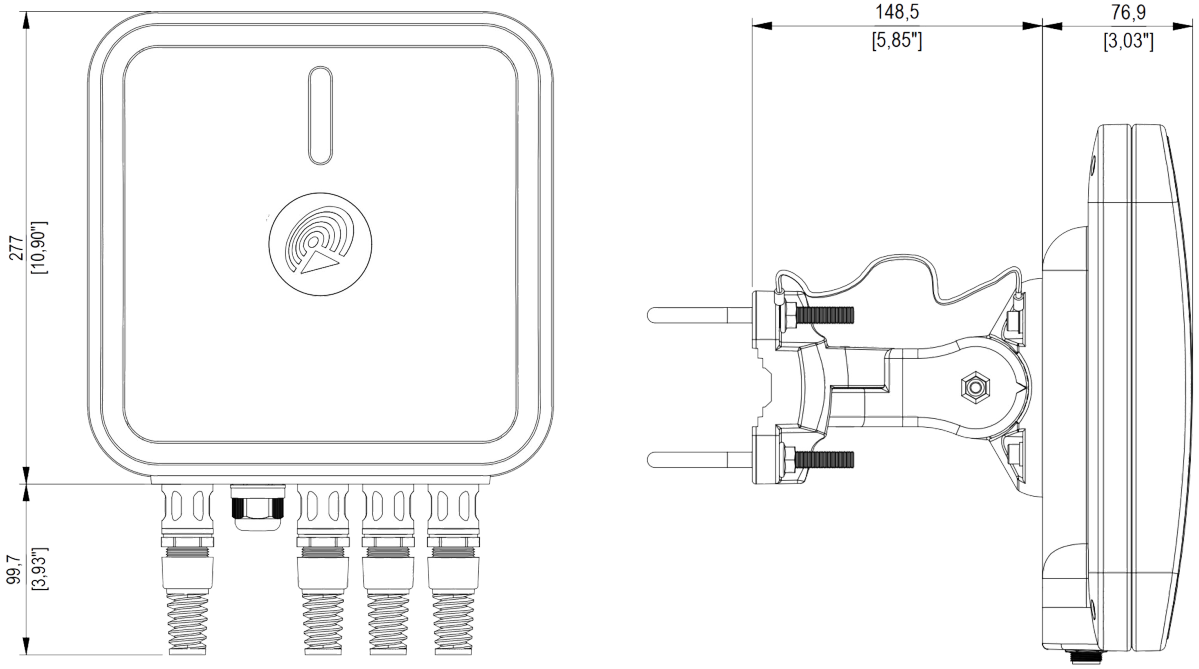


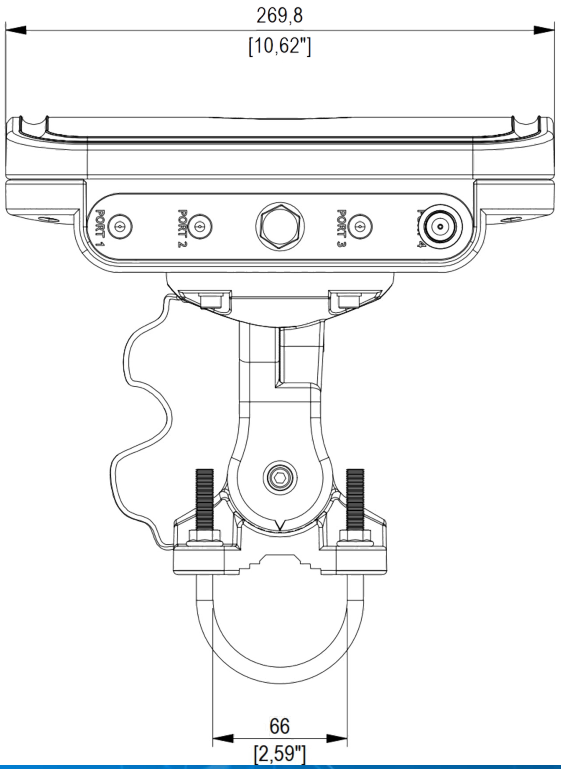
AZIMUTH



Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

DIMENSIONS





QuWireless WWW.QUWIRELESS.COM

Sales email: sales@quwireless.com **Tel:** +48 513 900 416

Support email: support@quwireless.com **Website:** www.quwireless.com

Address: Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.