QuPanel LTE HP SISO Nf

Directional High Power multiband LTE SISO antenna

QuPanel LTE HP directional high gain antenna is predicted for 4G LTE mainly, but is compatible with 3G and 2G as well. The antenna improves the signal in rural/suburban and locations where the mobile signal is weak. That antenna is predicted to be installed on the buildings (on the pole or on the wall). Due to very wide working frequency range, the antenna is universal client for LTE bands like LTE700/800/1800/1900/2100/2300/2600. It's compatible with Teltonika: RUT230, TRB140, TRB141, TRB142, TRB145, TRM240, TRM250 and other SISO LTE/3G/2G modems and routers.

4G LTE | SISO | 694-2700MHz | 7 dBi | DIRECTIONAL | IP 67 | -40° TO +80°

LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 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, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101, n256
GAIN	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi
FRONT-TO-BACK	>10 dB
VSWR	<1.70, max <2.00
BEAMWIDTH	70°/70° ±15°
POLARIZATION	±45°
IMPEDANCE	50 Ω

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MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
DIMENSIONS	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
CONNECTOR TYPE	1x Nf
MAST DIAMETER	25-60mm 0.98-2.36 inch

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	
		n89	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			

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LTE / 4G WCS DARS	2300 MHz	30	40	n97			2400 MHz
LTE / 4G	2400 MHz	7	38	41	53	69	n90	2700 MHz

COMPATIBLE ROUTERS

VARIANT: APLS1-HN

TELTONIKA	TRB140, TRB141, TRB142, TRB143, TRB145, TRB245, TRB246, TRB255
ROBUSTEL	EG5101, M1000 MP, M1200
FORTINET	Industrial GPS Modem F7916
FOUR-FAITH	4G LTE WiFi Modem F2X16 V4, LoRa Router F8936-L, Sim Card WiFi Router F3X26Q, Wireless 4G LTE Router F3X26-TB, Wireless M-Bus Gateway F-R100WM
MILESIGHT	UR32L, UR32S, UR41
ROBUSTEL	EG5101, M1000 MP, M1200
SIEMENS	6GK7243-7KX30-0XE0, 6GK7243-7SX30-0XE0
TELIT CINTERION	ME910G1 mPCIe Series
TELTONIKA	TRB140, TRB141, TRB142, TRB143, TRB145, TRB245, TRB246, TRB255
WAVETEL	WM21 4G Cat M/NB Modem
WLINK	M100, M303, R100, R200

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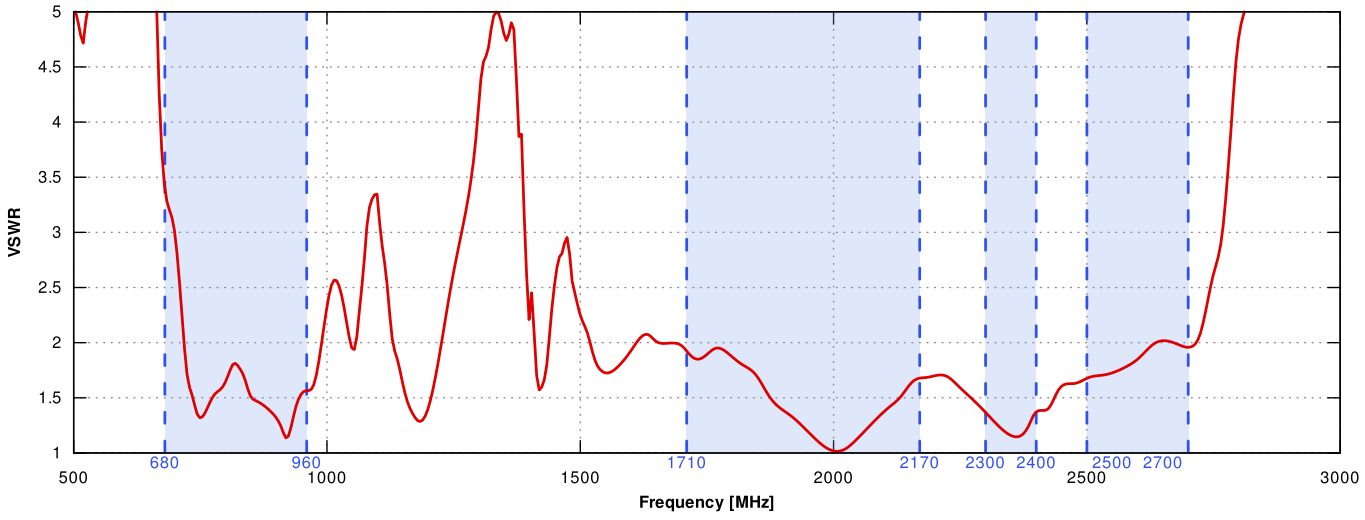
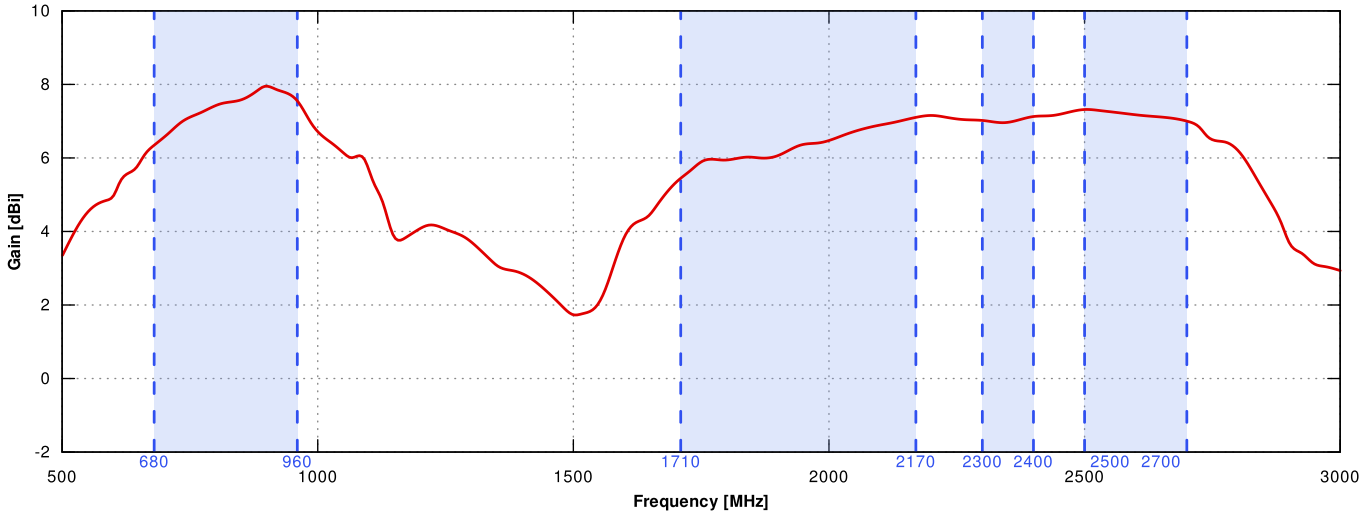
PLOTS

VSWR



Gain



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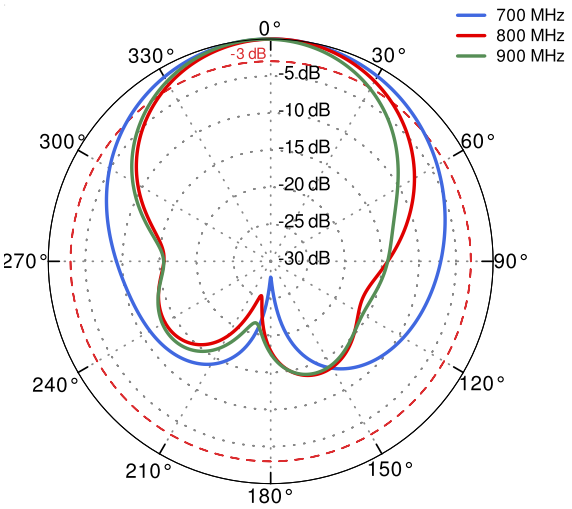
From 700MHz to 900MHz

ELEVATION



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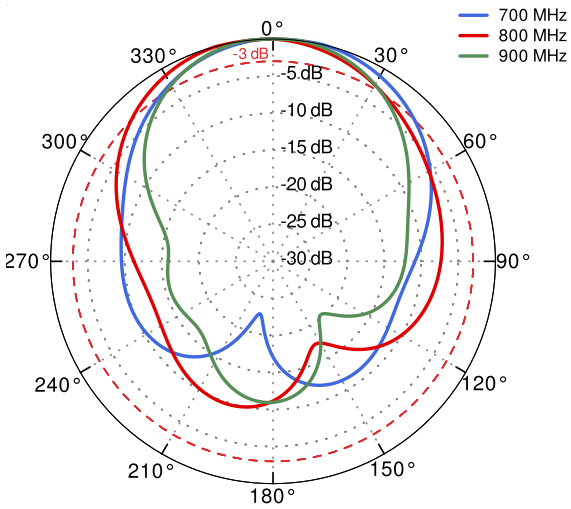
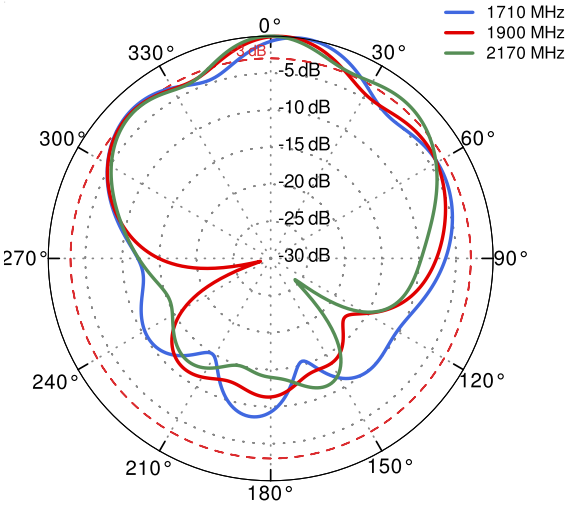


From 1.71GHz to 2.17GHz

ELEVATION



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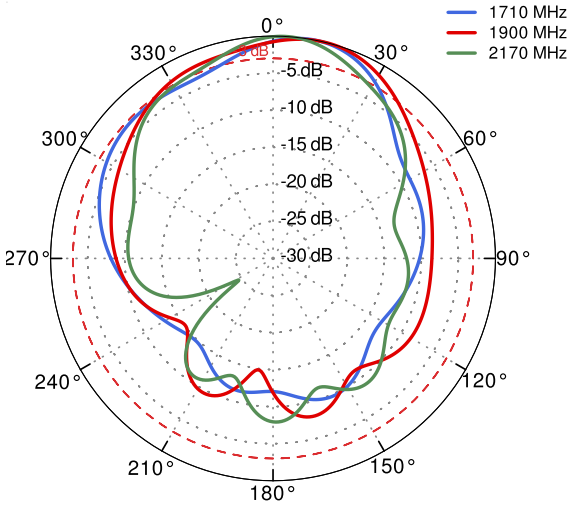

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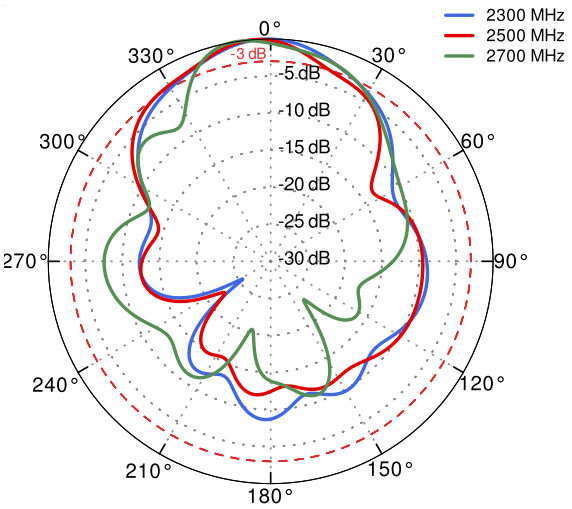
From 2.3GHz to 2.7GHz

ELEVATION



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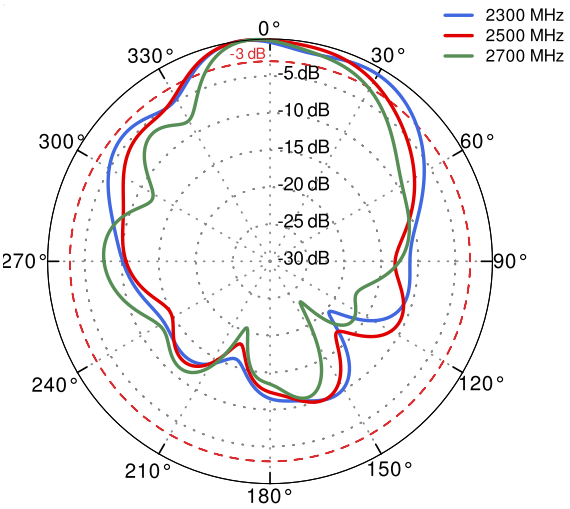
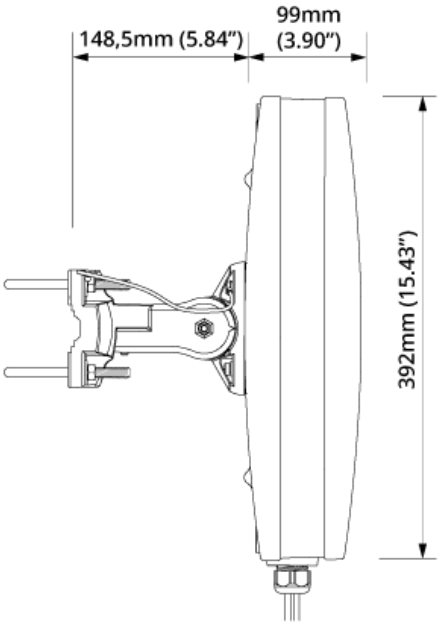


DIMENSIONS



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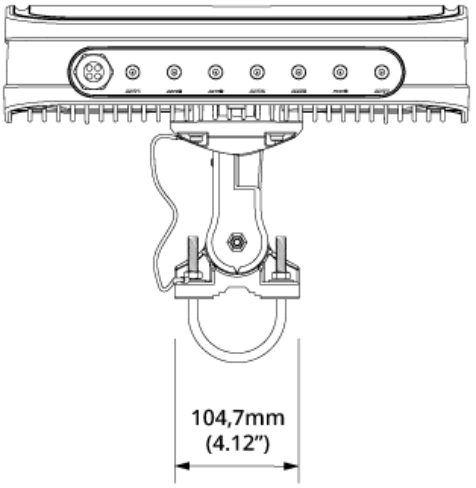

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