

Triax UNIX antenna with built-in LTE function

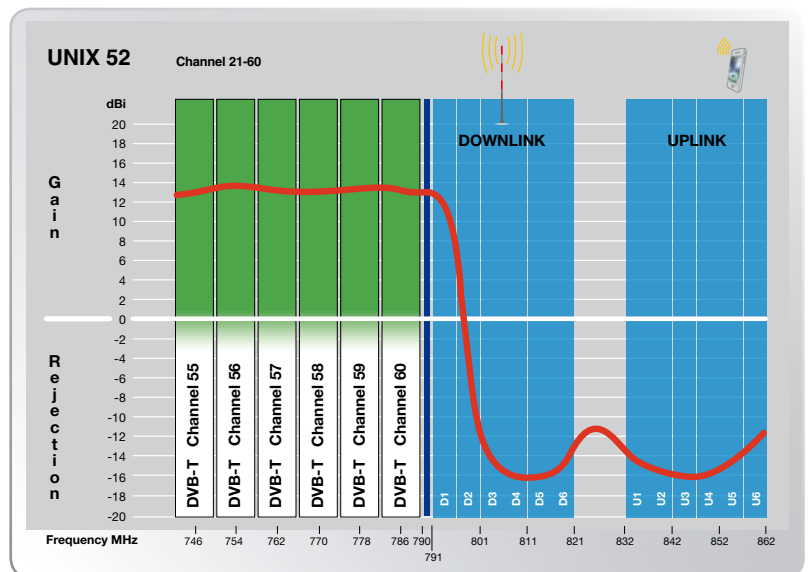
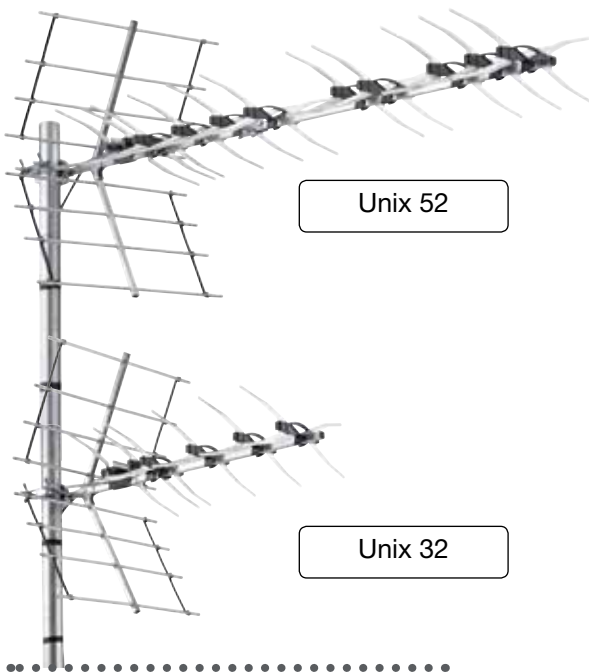


Illustration shows the gain/rejection curve for antenna and filtering performance of the Triax Unix 32 antenna Ch. 21-60, in the frequency area of the LTE mobile broadband spectrum.

LTE mobile broadband operates in the frequency area 790-862 MHz (Ch. 61-69).

This poses challenges to DVB-T installations as wideband antennas historically are constructed to peak with maximum gain above 790 MHz (Ch. 61), and receive up to 862 MHz (Ch. 69).

Challenges for DVB-T reception include e.g. amplifier/tv-tuner overload, frequency separation, due to potential neighbour and near channel interference from LTE.

To avoid LTE interference, DVB-T antennas must reject the LTE signal.



- Optimised for max gain 470-790 MHz (Ch. 21-60)
- Advanced Antenna Low Pass system
- Reject LTE mobile broadband interference 790-862 MHz (Ch. 61-69)
- Gain performance of $\geq 10.0/11.5$ dB at 790 MHz (Ch. 60)
- Rejected below -5/-8 dB above 810 MHz
- Stable and solid construction
- Modern dipole housing with rear-pointing F-con for optimum performance



New Triax Unix antenna



Aerials are approved
to carry the
"LTE Protected
- by TRIAX" logo



Unix 52 w/cradle

Technical data

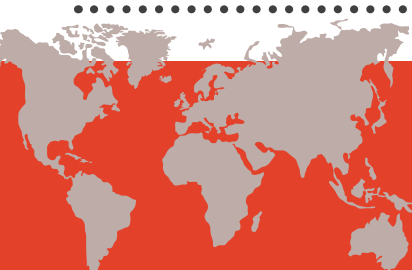
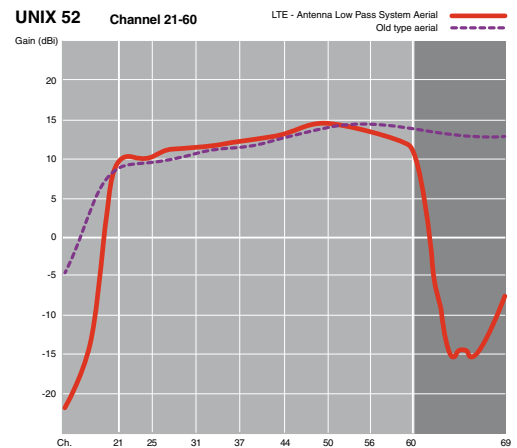
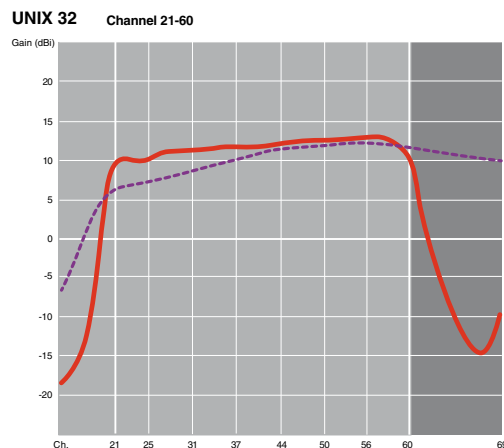
Type:	Packing/bracket:	Unit:	UNIX 32	UNIX 52
Art. No:	brown box		108441	108452
Art. No:	colour box		108443	108453
Art. No:	cradle/ brown box			108451
Channel			21-60	21-60
Band			BIV/V	BIV/V
Elements			32	52
Gain				
474 MHz (Ch. 21)		dBi	8.5	11.0
538 MHz (Ch. 29)		dBi	11.0	11.0
602 MHz (Ch. 45)		dBi	12.5	13.0
730 MHz (Ch. 53)		dBi	12.5	14.5
786 MHz (Ch. 60)		dBi	10.5	11.5
Rejection				
811 MHz (LTE D1)		dBi	0.0	- 8.0
821 MHz (LTE D6)		dBi	- 3.0	- 8.0
832 MHz (LTE U1)		dBi	- 6.0	- 10.0
862 MHz (LTE U6)		dBi	- 20.0	- 15.0
Front to back ratio		dB	24	25
Beamwidth hor.		deg. (°)	± 20	± 15
Windload		N	58	96
Weight		kg	1.45	1.63
Material			Alu.	Alu.
Dimensions				
length		mm	791	1297
width		mm	500	500
Connector			F-con	F-con
Remarks			Antenna Low Pass system	Antenna Low Pass system

Legend

LTE - Antenna Low Pass
System Aerial



Old type aerial



TRIAX - your ultimate connection

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