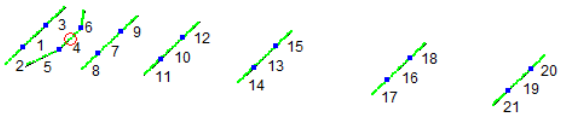
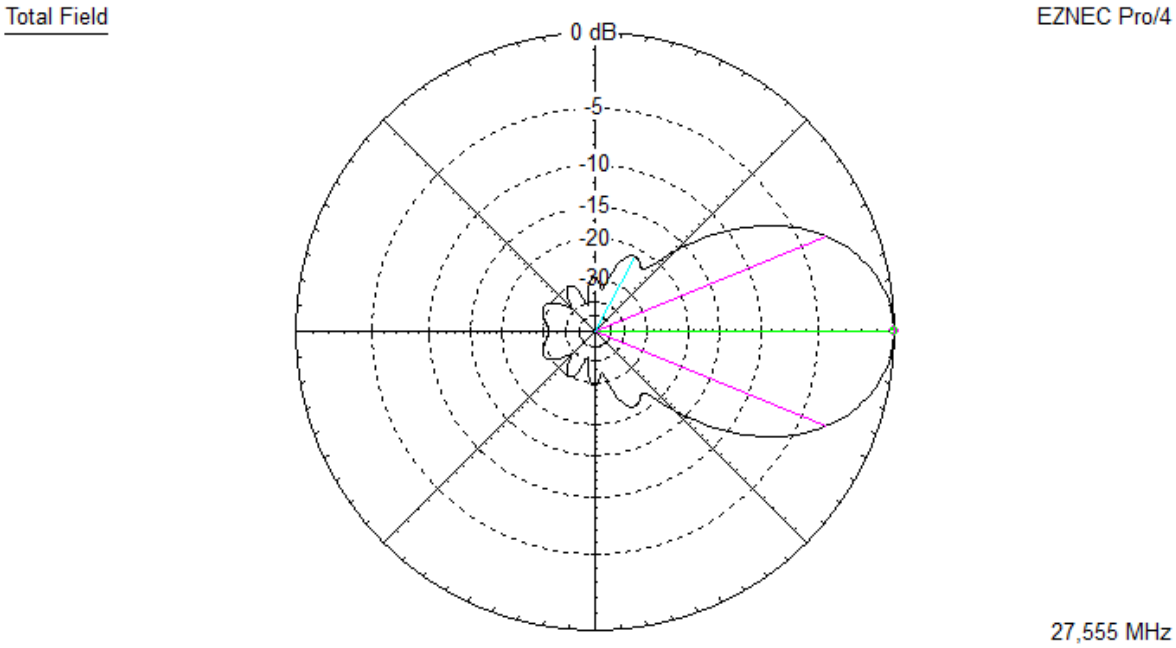
12,95 M 7el V-Yagi 12,30 dBI

For:	DXing 11 meter band
Antenna Type:	7 elements V-Yagi
	Bend Radiator (K6STI)
Designed by:	HPSD version 1.01 feb 2014
Boom length:	12,95 Meter
Gain:12,,3 dBI	(@27,555 MHz, Peak gain: 12,35 dBI @ 28MHz)
FB	<32 dB
FR	<18 dB
Impedance:	50 ohms, direct fed
SWR	1:1 350 KHz.
SWR below	2:1 > 1500 KHz

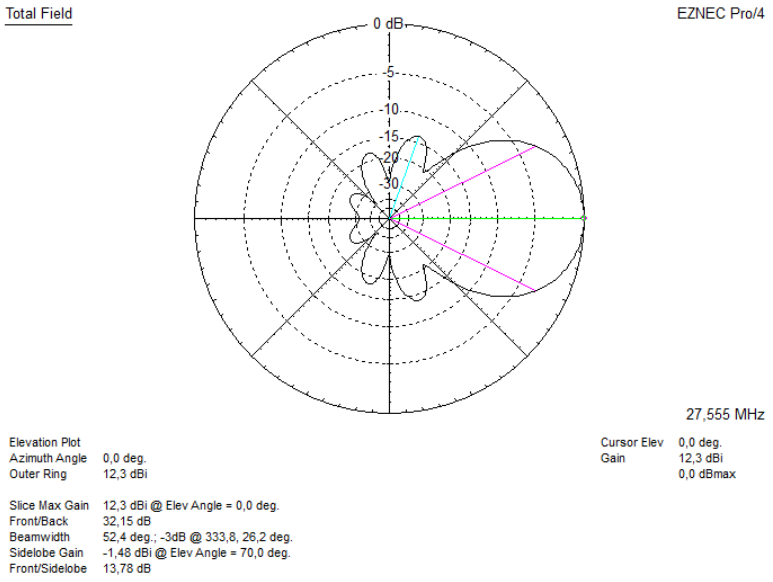
EZNEC Pro/4



The 7el V-yagi

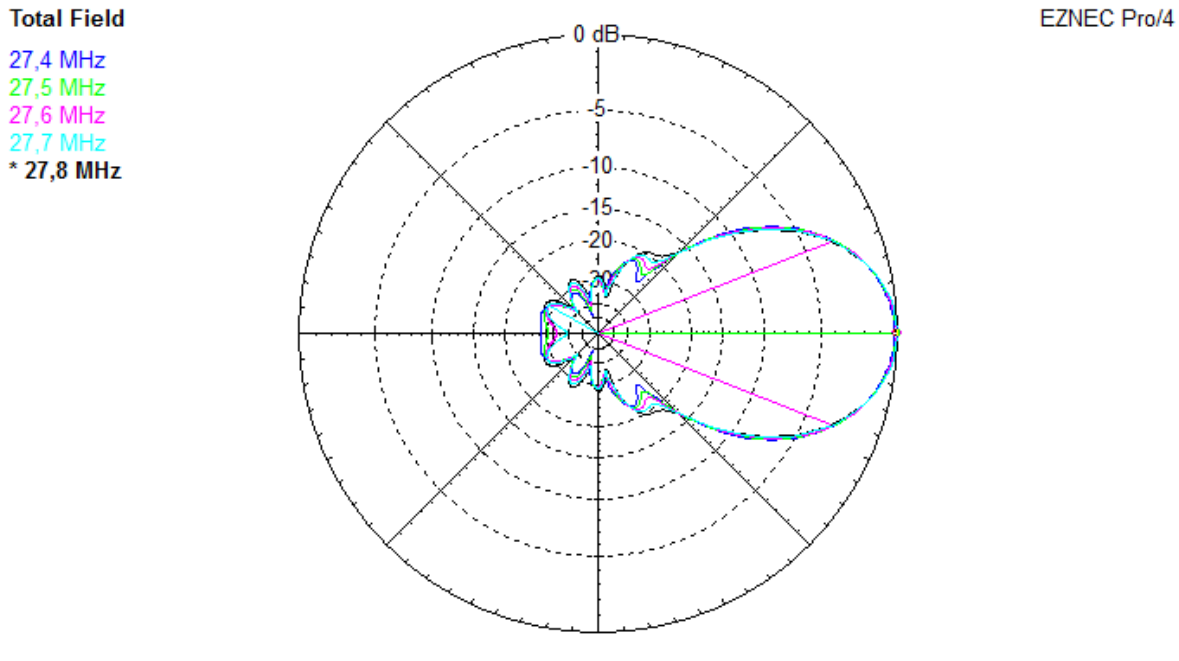


Above: The freespace azimuth plot. (including aluminium loss).

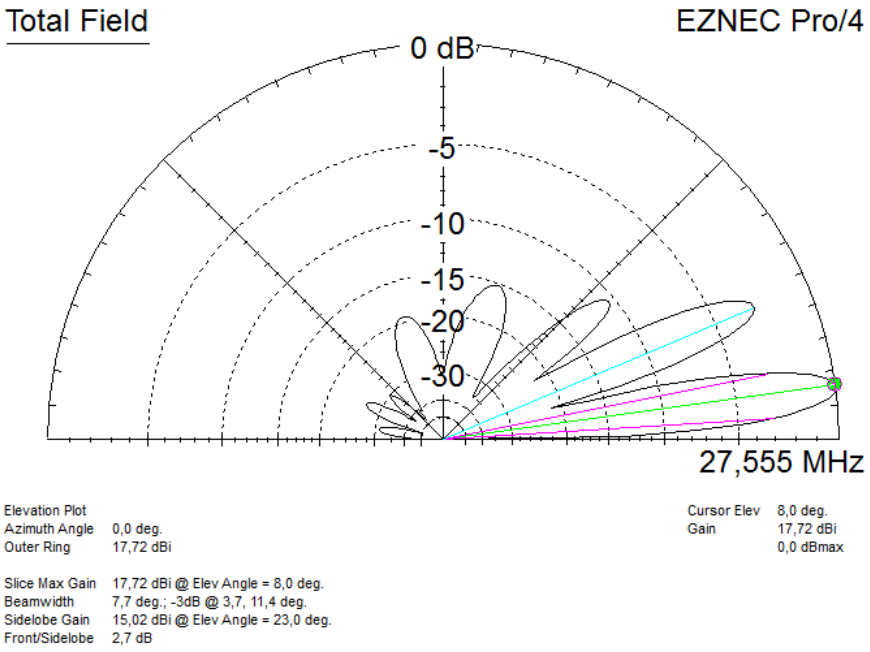


Above: The freespace elevation plot ! TIGTH.

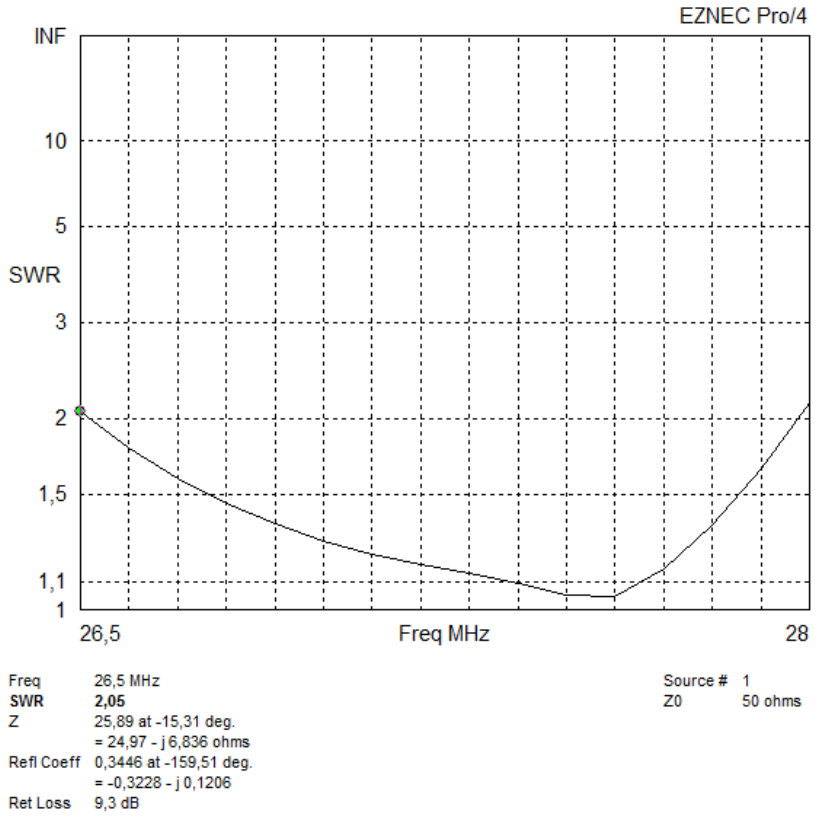
Some manufacturers would say “low noise urban antenne



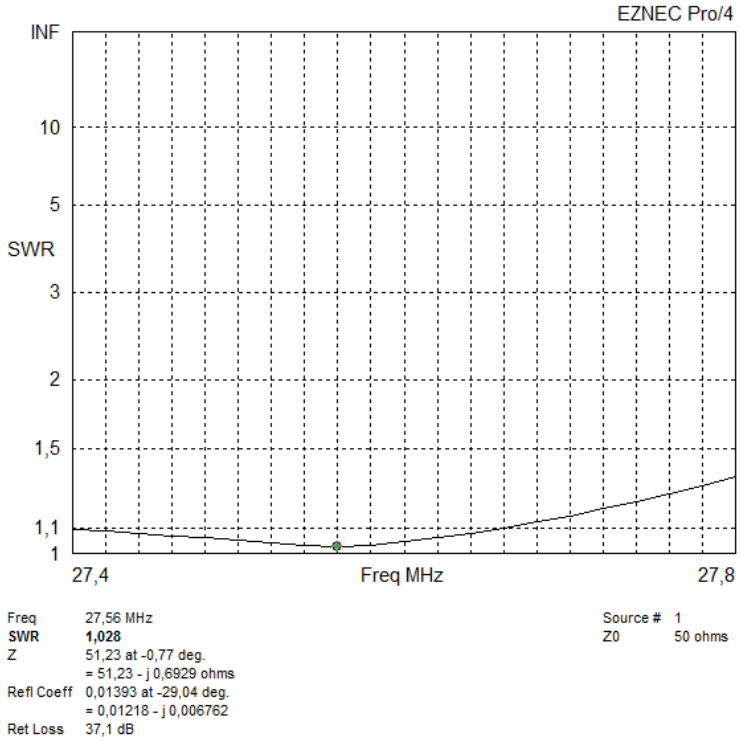
Above: the freespace azimuth plots at different freq.



Above: The “real” elevation plot. Using average ground conditions and when placed 20 meter above ground.



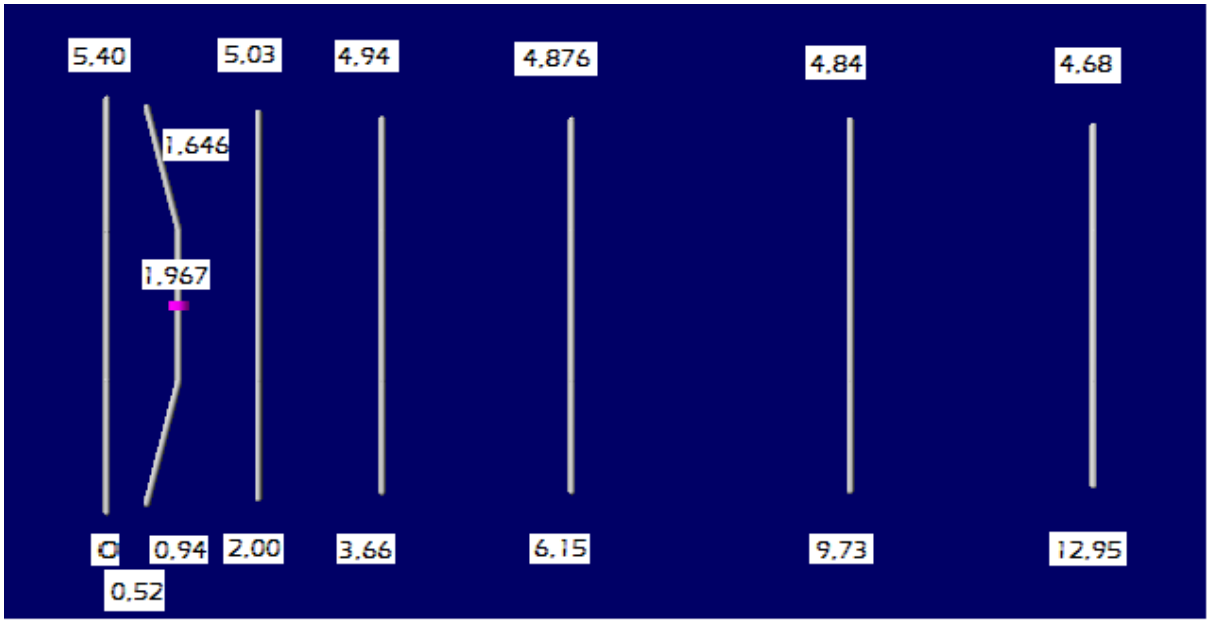
The 2:1 SWR bandwidth: 1500 KHz



SWR plot between 27,4 MHz and 27,8 MHz

All elements are made out of: 25mm and 22mm tubing.

25mm is the centre part of each element and is 1,967 meters long. Inserted on both ends are the remaining 22mm tubing.



All dimensions are provided in Meters