



Attila Kocis Kommunikationstechnik
 Lenzenweg 2, D-96450 Coburg, Germany
 Tel.: 09561-3551882 Fax: 09561-3551883 E-Mail: nuxcom@nuxcom.de

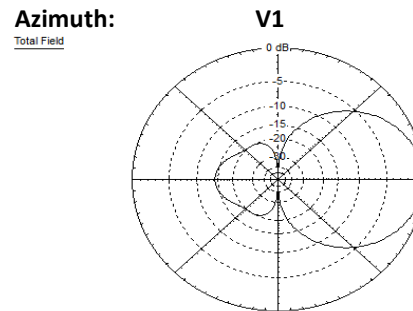
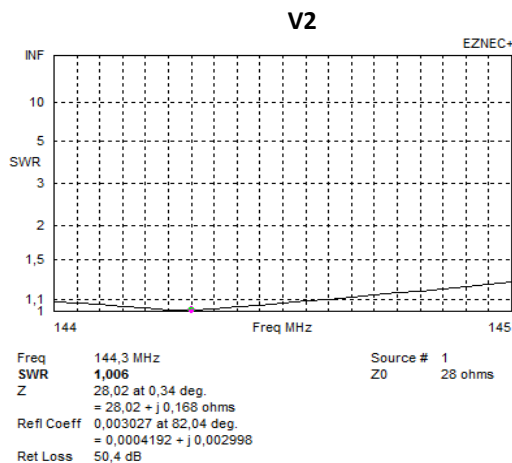
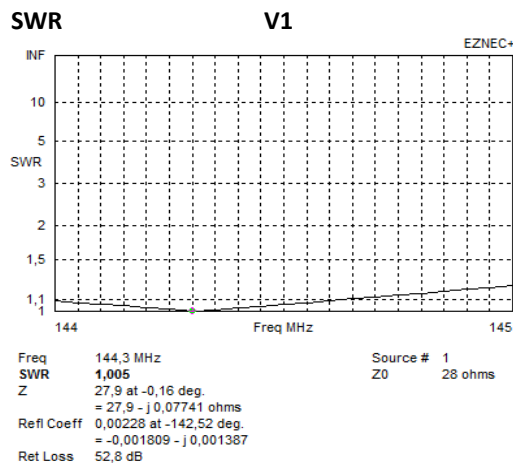
Bausatz 2 ele Yagi 144 MHz mit 0,23m Boom im 28 Ohm Design
Antenna kit 2 ele Yagi 144 MHz with 0,23m boom in 28 Ohm Design

Schmalbandausführung / Narrowband version (144-145 MHz SSB/CW)

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Strahler / Radiator	10	V1: 1010 V2: 1006	0
Direktor / Director	8	V1: 930 V2: 938	210

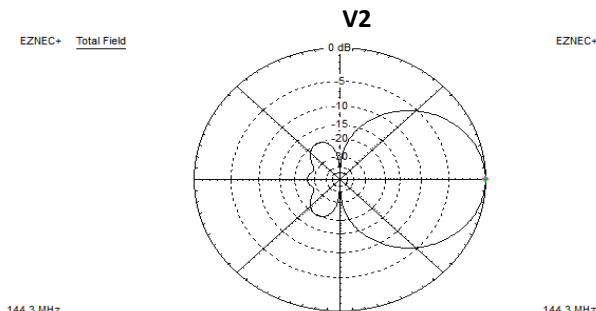
Version 1 (V1): Einzelne Antenne / Single antenna
 Gewinn/Gain: ca. 4,4 dBd V-R / F-B: 14,3 dB

Version 2 (V2): Zwei gestockte Antennen mit EXAKT 170cm Abstand
 Two stacked antennas with EXACTLY 170cm distance
 Gewinn/Gain: ca. 8,3 dBd V-R / F-B: 25,5 dB



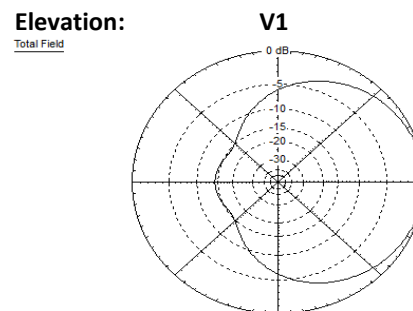
144,3 MHz
 Azimuth Plot
 Elevation Angle 0,0 deg
 Outer Ring 4,43 dBref
 Slice Max Gain 4,43 dBref @ Az Angle = 0,0 deg.
 Front/Back 14,36 dB
 Beamwidth 68,0 deg; -3dB @ 326,0, 34,0 deg.
 Sidelobe Gain -9,93 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 14,36 dB

Cursor Az 0,0 deg
 Gain 4,43 dBref
 0,0 dBmax



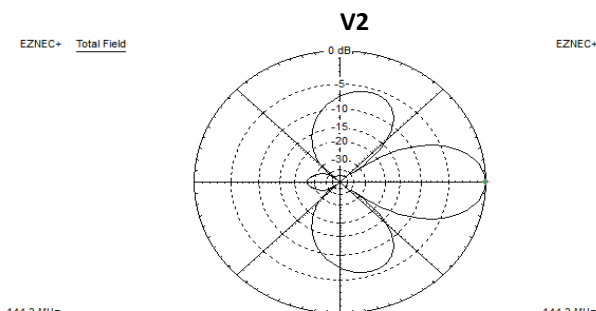
144,3 MHz
 Azimuth Plot
 Elevation Angle 0,0 deg
 Outer Ring 8,33 dBref
 Slice Max Gain 8,33 dBref @ Az Angle = 0,0 deg.
 Front/Back 25,57 dB
 Beamwidth 68,6 deg; -3dB @ 325,7, 34,3 deg.
 Sidelobe Gain -11,49 dBref @ Az Angle = 120,0 deg.
 Front/Sidelobe 19,82 dB

Cursor Az 0,0 deg
 Gain 8,33 dBref
 0,0 dBmax



144,3 MHz
 Elevation Plot
 Azimuth Angle 0,0 deg
 Outer Ring 4,43 dBref
 Slice Max Gain 4,43 dBref @ Elev Angle = 0,0 deg.
 Front/Back 14,36 dB
 Beamwidth 131,8 deg; -3dB @ 294,1, 65,9 deg.
 Sidelobe Gain -9,93 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 14,36 dB

Cursor Elev 0,0 deg
 Gain 4,43 dBref
 0,0 dBmax



144,3 MHz
 Elevation Plot
 Azimuth Angle 0,0 deg
 Outer Ring 8,33 dBref
 Slice Max Gain 8,33 dBref @ Elev Angle = 0,0 deg.
 Front/Back 25,57 dB
 Beamwidth 34,6 deg; -3dB @ 342,7, 17,3 deg.
 Sidelobe Gain 2,57 dBref @ Elev Angle = 71,0 deg.
 Front/Sidelobe 5,76 dB

Cursor Elev 0,0 deg
 Gain 8,33 dBref
 0,0 dBmax