

## Perfo Box series of Filters and Multiplexers

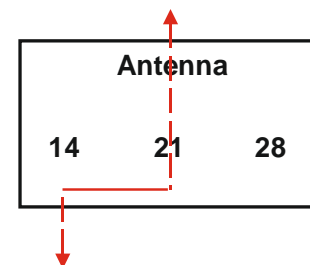
### «Perfo Box-1500» TriPlexer, 14-21-28 MHz

#### Typical specifications:

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 1500 W
- Maximum ICAS power at antenna port: 3000 W, (please see [Application notes](#))
- VSWR: typical  $\leq 1 : 1,25$
- Size: 275 x 240 x 105 mm / 11" x 10" x 4"
- Net weight:  $\leq 2,0$  kg / 4,5 lbs.

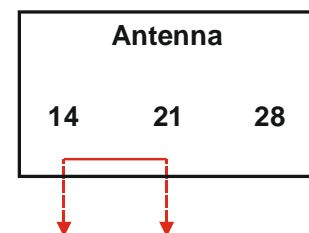
**Band INPUT to Antenna OUTPUT**, insertion loss (S11) and adjacent band attenuation (S21):

Transmit	Receive level, db.:		
	14	21	28
14	-0,15	-50	-45
21	-35	-0,15	-35
28	-40	-35	-0,15



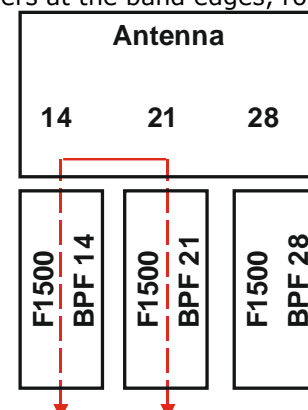
**Band to Band**, Isolation from port to port (S21, lowest possible numbers at the band edges), Antenna and unused ports terminated 50 ohms:

Transmit	Receive level, db.:		
	14	21	28
14	-	-35	-35
21	-30	-	-20
28	-40	-20	-



**Band to Band Isolation** (S21), lowest possible numbers at the band edges, rounded to 5, **with band pass filters Perfo Box 1500**, Antenna and unused ports terminated 50 ohms: and Band to Antenna port attenuation (S11), worst possible numbers at the band edges, rounded:

Transmit	Receive level, db.:		
	14	21	28
14	-0,6	-95	-95
21	-60	-0,6	-85
28	-85	-70	-0,6



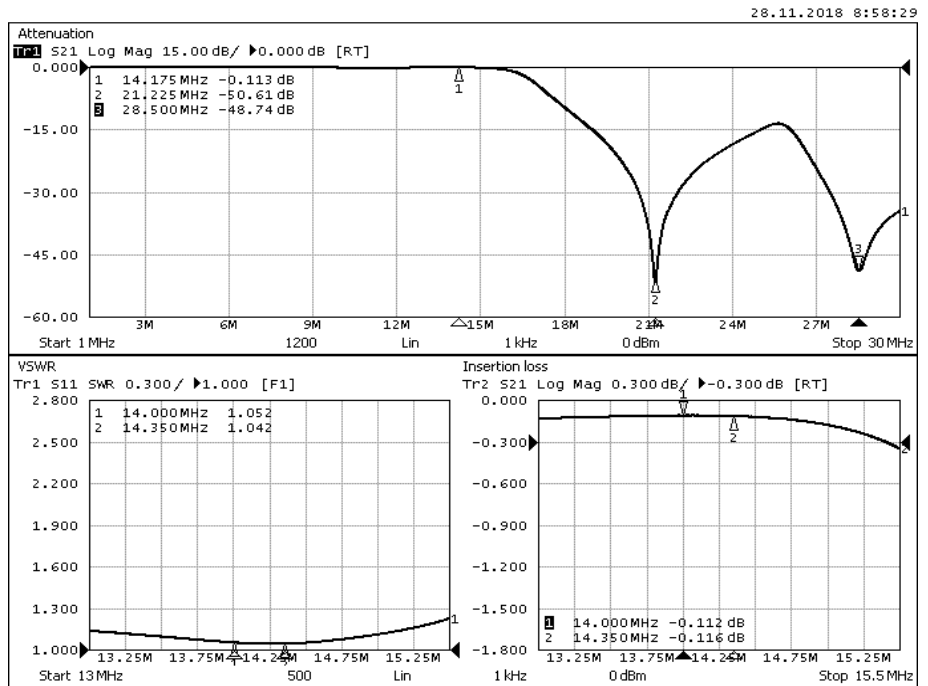
# Filter solutions for HAM RADIO



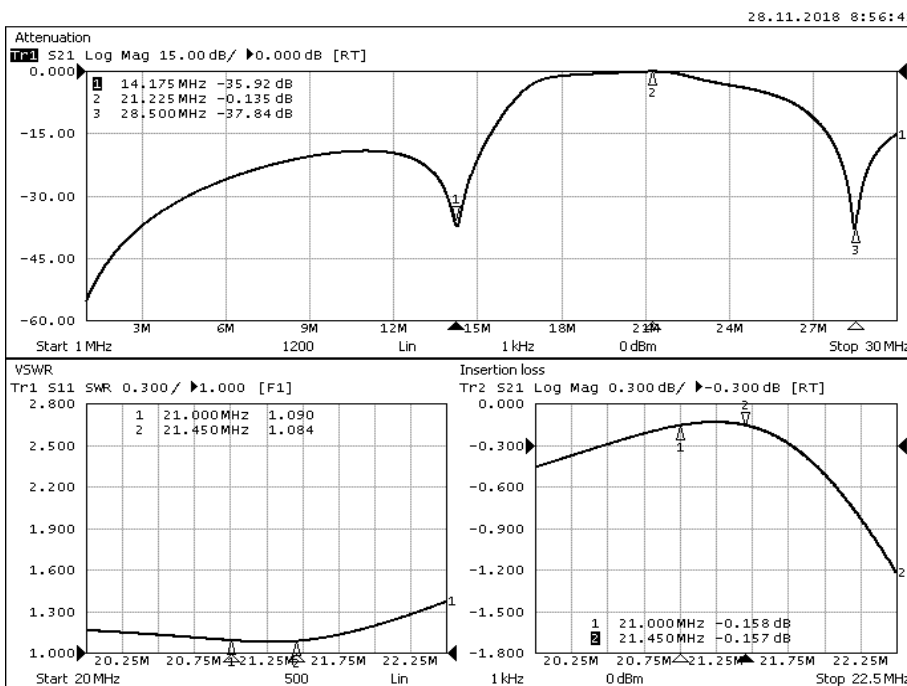
## «Perfo Box-1500», TriPlexer, 14-21-28 MHz

Serial number #1118-646, as measured:

**14 MHz port:** Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



**21 MHz port:** Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



QC:

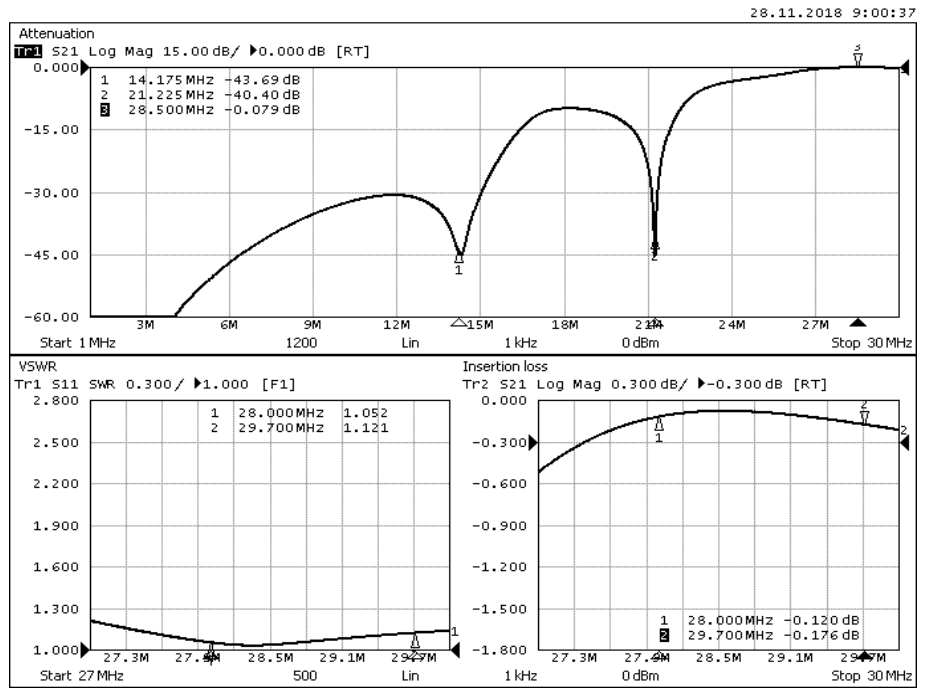
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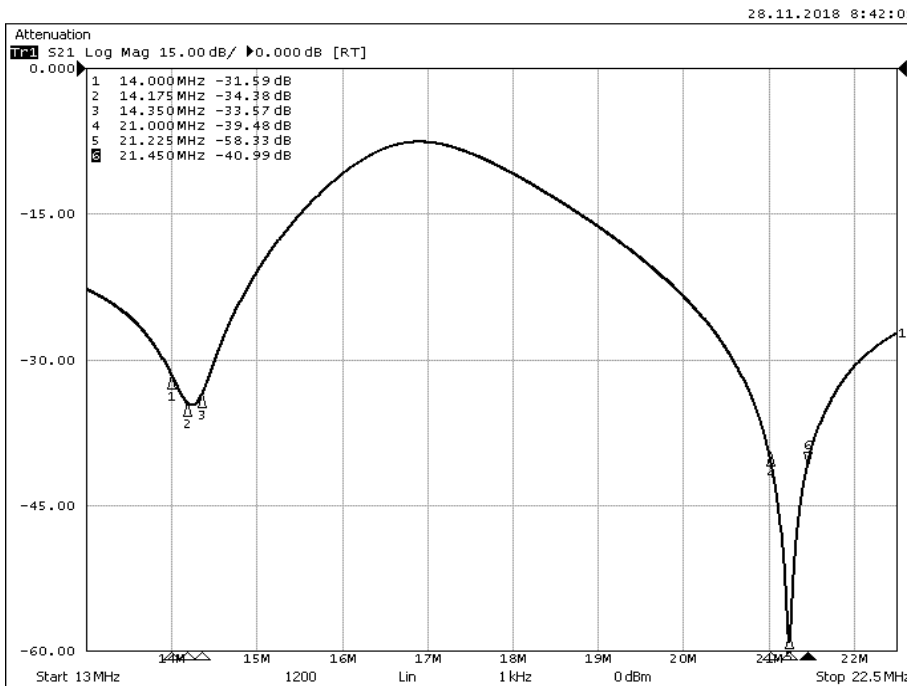
## «Perfo Box-1500», TriPlexer, 14-21-28 MHz

Serial number #1118-646, as measured:

**28 MHz port:** Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



**Isolation:** 14MHz port to 21MHz port



QC:

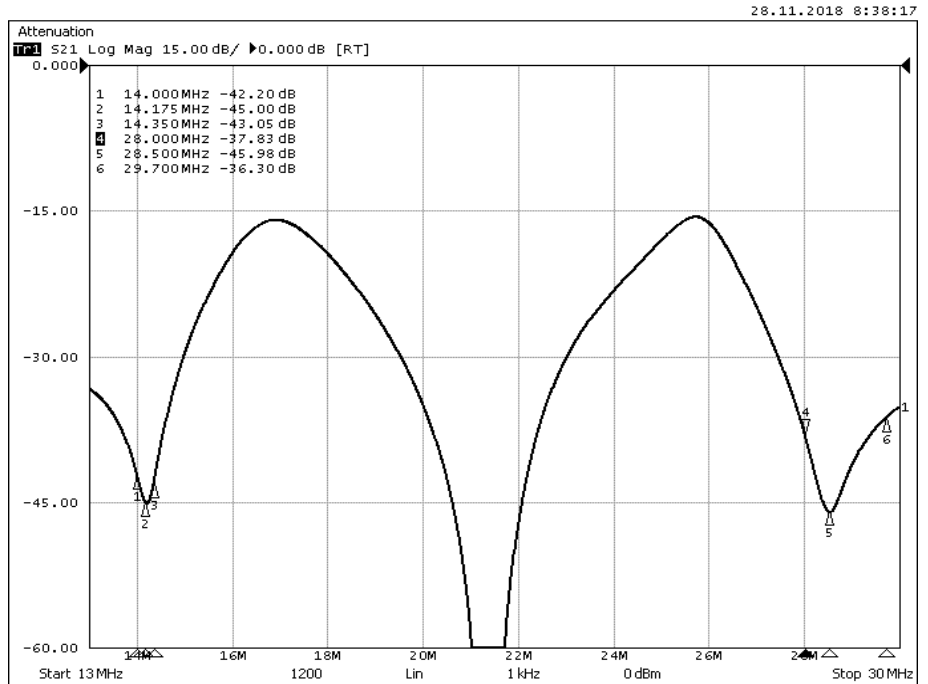
# Filter solutions for HAM RADIO



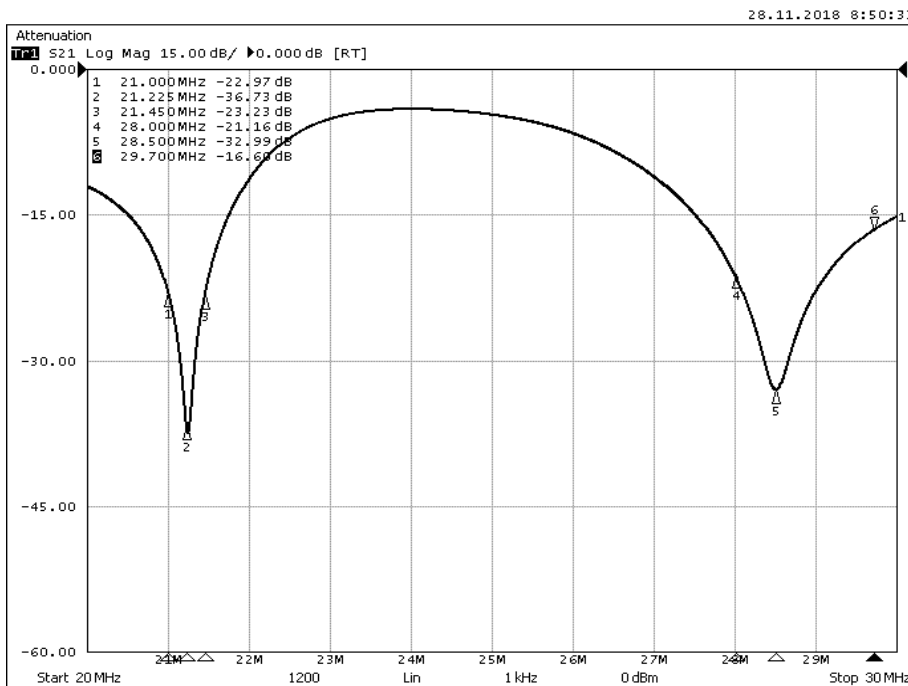
## «Perfo Box-1500», TriPlexer, 14-21-28 MHz

Serial number #1118-646, as measured:

**Isolation: 14MHz port to 28MHz port**



**Isolation: 21MHz port to 28MHz port**



QC: