

## «Perfo Box» series of Filters and MultiPlexers

### QuadPlexer PB-QP4500, 7-14-21-28MHz\*, 4500Watts ICAS\*\*

\* 40 meter band: 7,000 ÷ 7,300Mhz; 10 meter band: 28,000 ÷ 29,000Mhz

\*\* Intermittent Commercial and Amateur Service, (CW - 50% Duty cycle)

SKU: PB-QP4500

SKU:PB-QP4500F

SKU: PB-QP4500-4UHF-DIN7/16

SKU:PB-QP4500-4N-DIN7/16

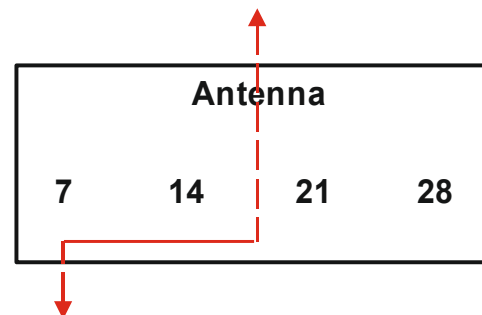
#### Typical specifications:

Subject to change without prior notice, **please see attached actual specification as measured**

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 4500W
- Maximum ICAS power at antenna port: 9000W, (please see [Application notes](#))
- VSWR: ≤1,25:1
- Return loss: ≥19db
- Size: 420 x 230 x 220 mm / 17" x 9" x 9"
- Net weight: ≤4,6 kg / 10,5 lbs

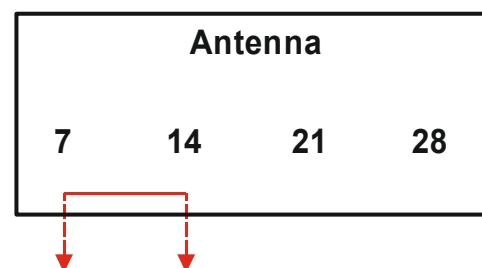
**Band INPUT to Antenna OUTPUT**, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers **at the band edges** rounded to 0,05db / 5db, unused port terminated 50 ohms

Transmit	Receive level, db.:			
	7	14	21	28
7	≤ -0.15	≥ -45	≥ -60	≥ -60
14	≥ -35	≤ -0.2	≥ -35	≥ -30
21	≥ -35	≥ -35	≤ -0.2	≥ -30
28	≥ -55	≥ -55	≥ -30	≤ -0.2



**Band to Band, Isolation from port to port** (S21), worst possible numbers **at the band edges** rounded to 5db, Antenna and unused port terminated 50 ohms:

Transmit	Receive level, db.:			
	7	14	21	28
7	-	≥ -45	≥ -60	≥ -60
14	≥ -35	-	≥ -35	≥ -30
21	≥ -35	≥ -35	-	≥ -30
28	≥ -55	≥ -55	≥ -30	-



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7 December, 2020

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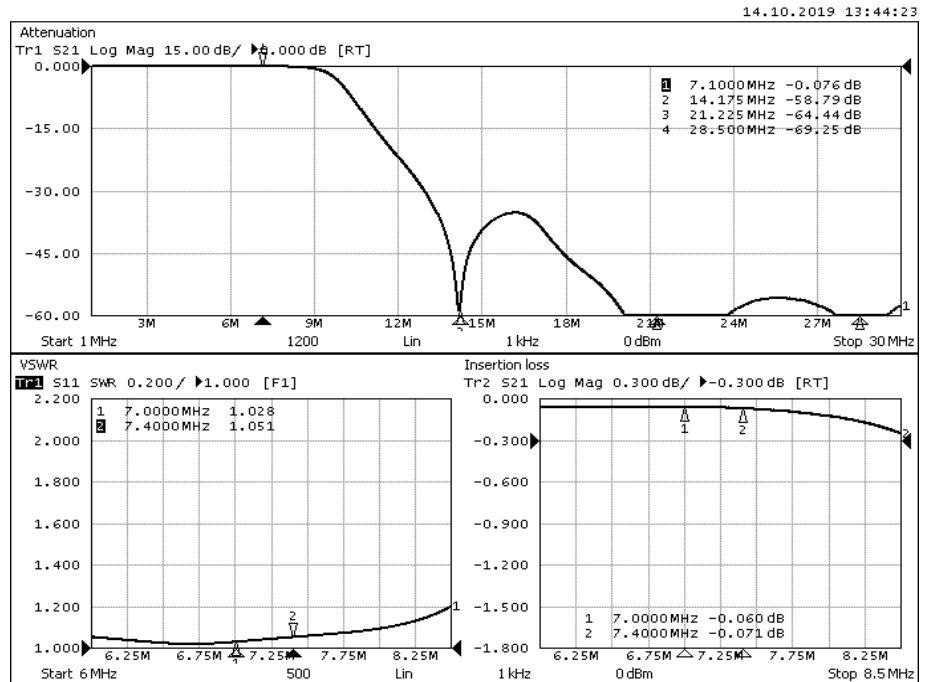
[www.lowbandsystems.com](http://www.lowbandsystems.com)

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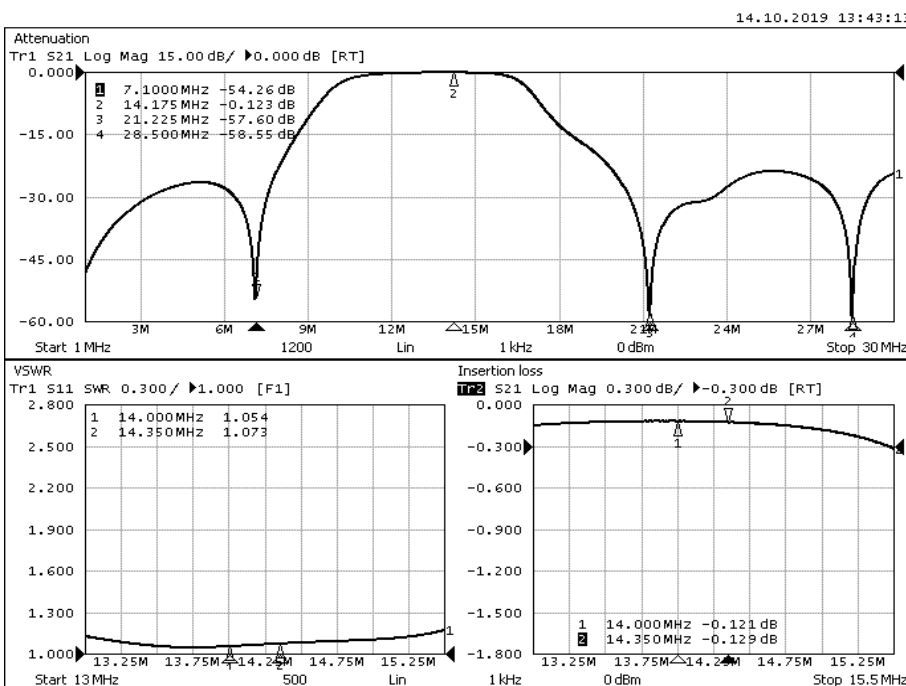
### QuadPlexer PB-4500, 7-14-21-28MHz, 4500Watts ICAS

Specification as measured, serial number #1019-321:

**7MHz port:** Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



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



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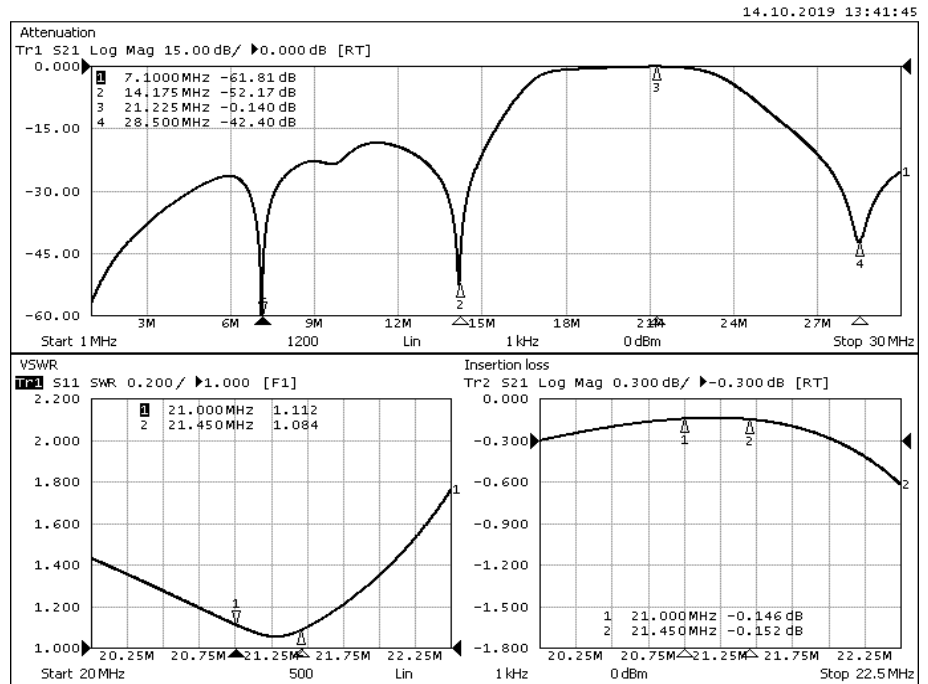
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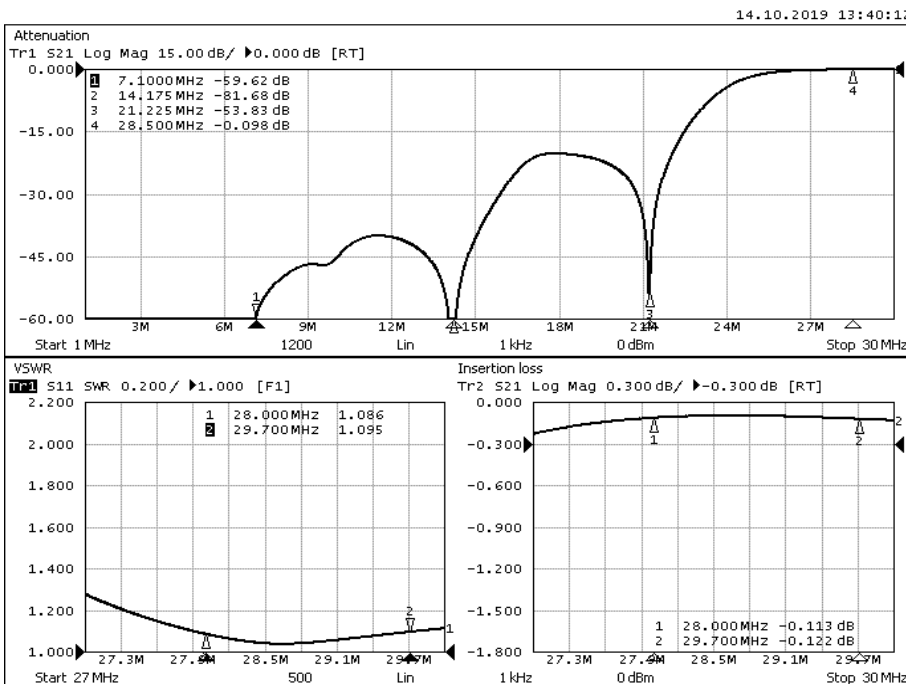
### QuadPlexer PB-QP4500, 7-14-21-28MHz, 4500Watts ICAS

#### Specification as measured, serial number #1019-321:

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



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



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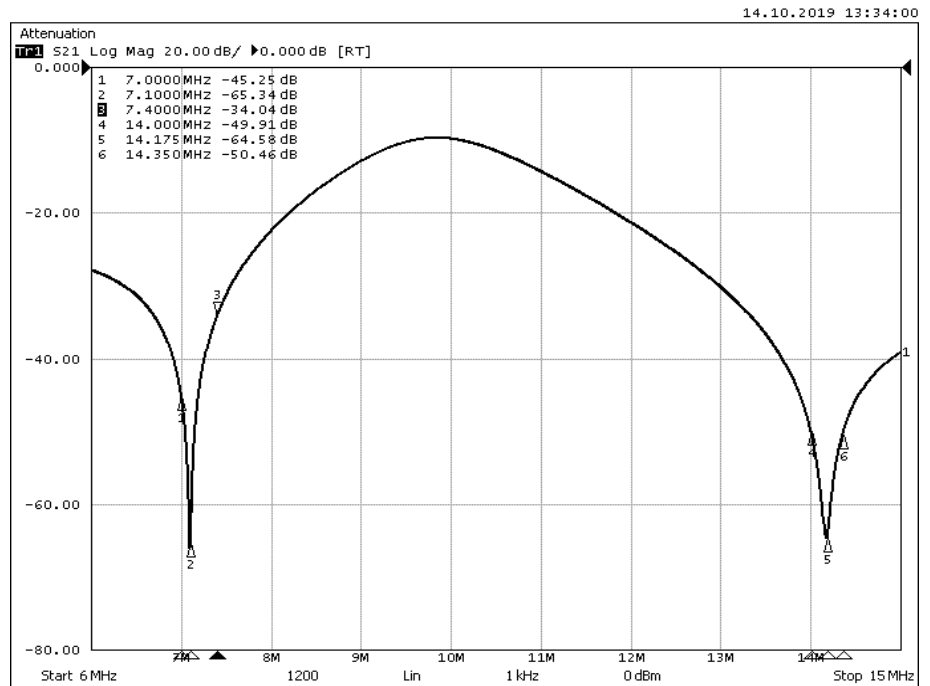
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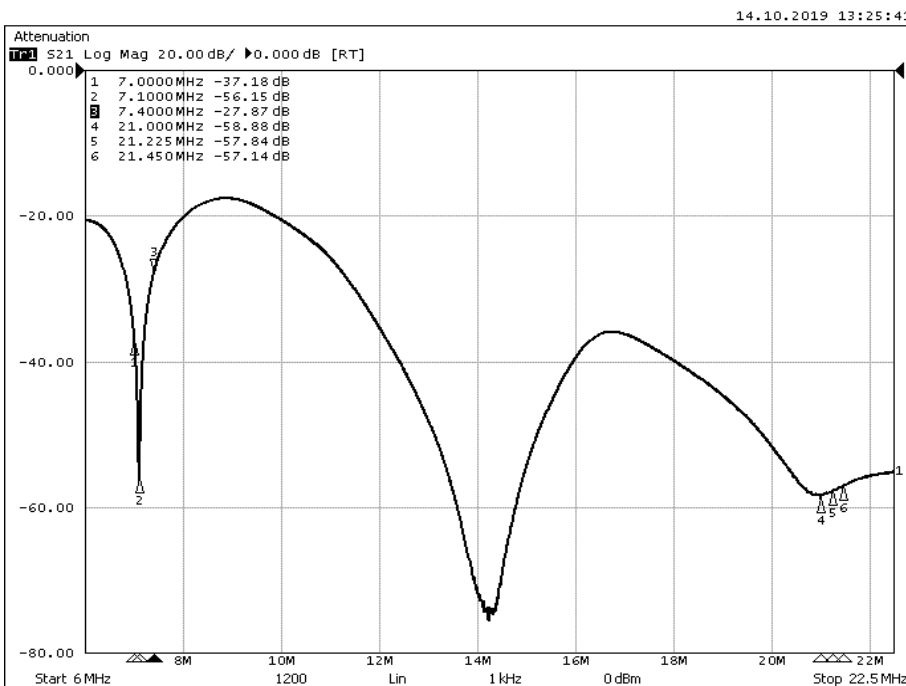
### QuadPlexer PB-QP4500, 7-14-21-28MHz, 4500Watts ICAS

Specification as measured, serial number #1019-321:

**Isolation:** 7MHz port to 14MHz port



**Isolation:** 7MHz port to 21MHz port



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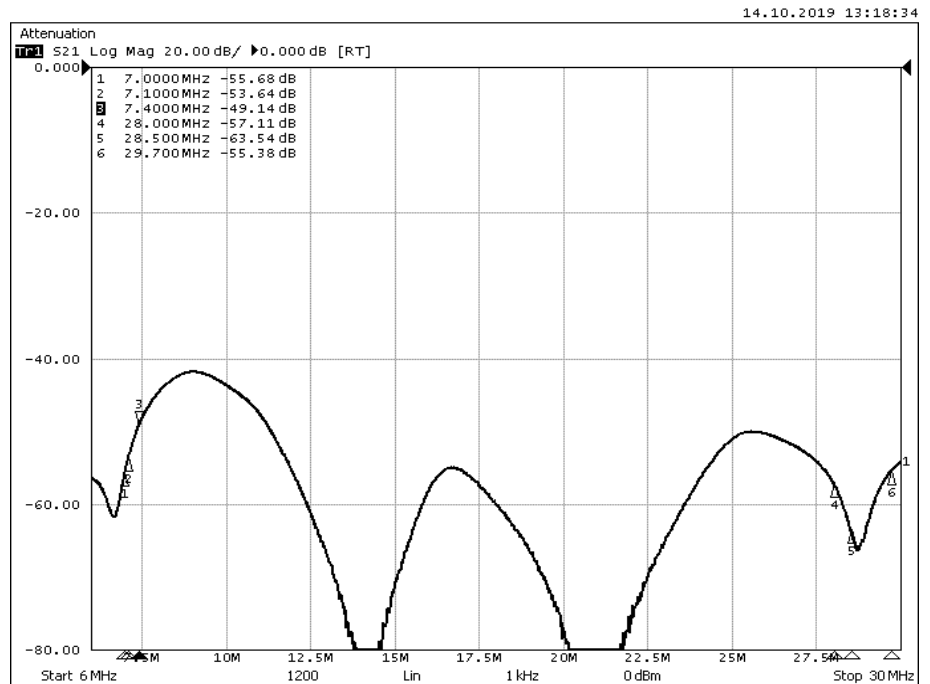
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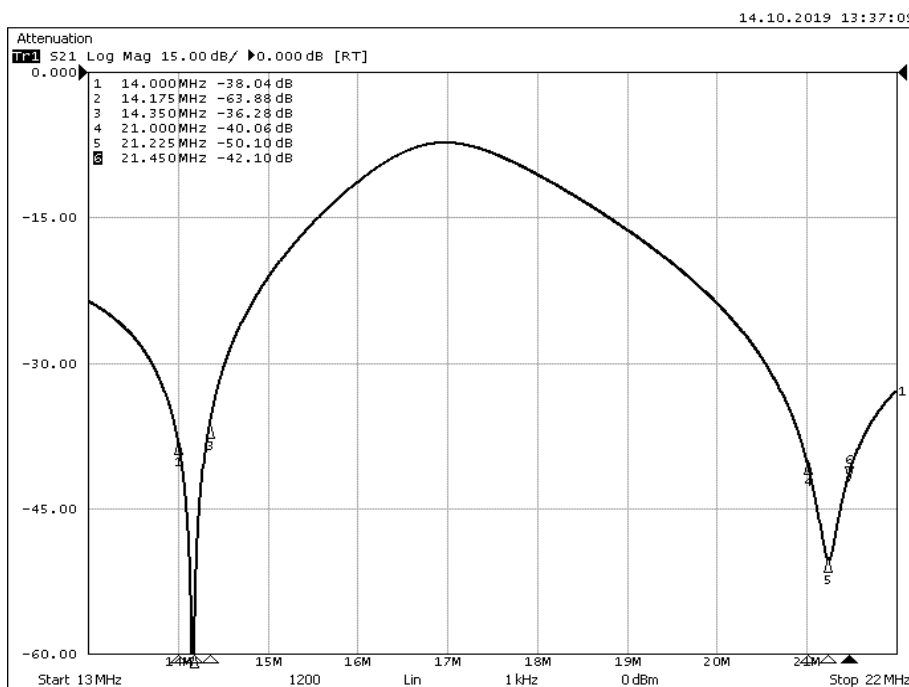
### QuadPlexer PB-QP4500, 7-14-21-28MHz, 4500Watts ICAS

Specification as measured, serial number #1019-321:

**Isolation:** 7MHz port to 28MHz port



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



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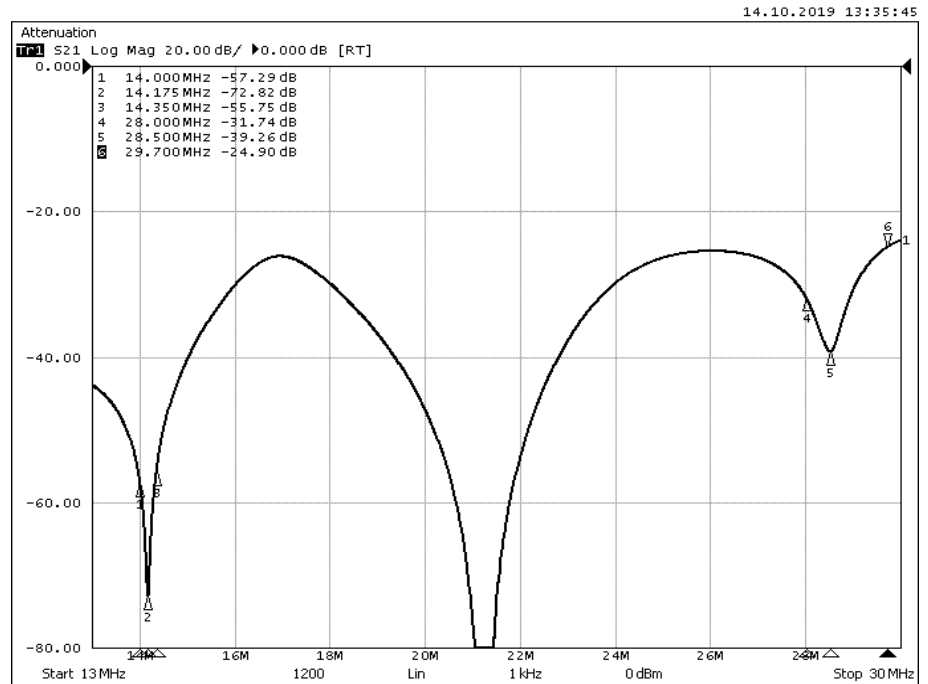


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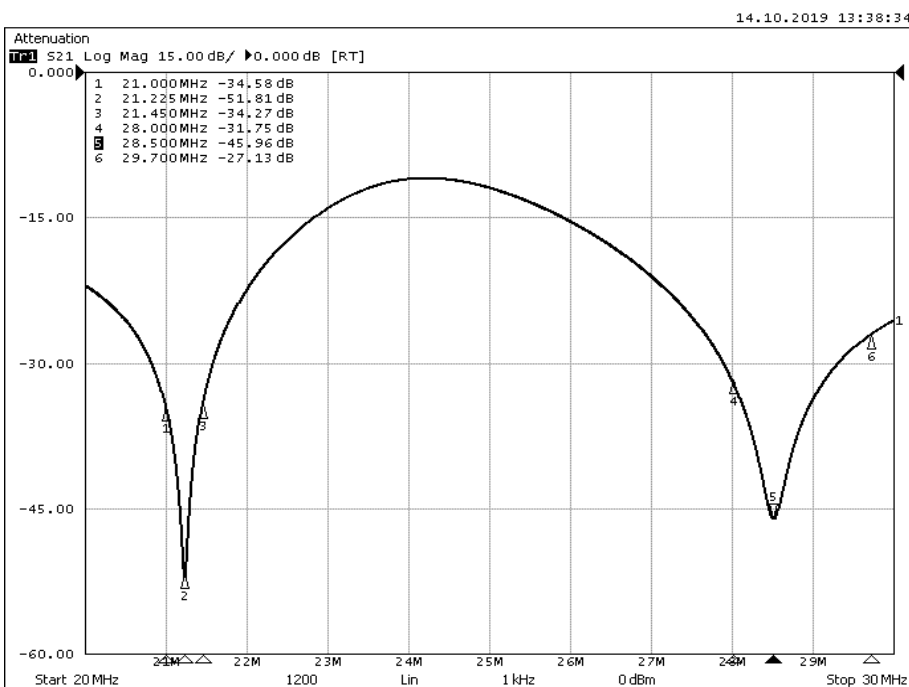
### QuadPlexer PB-QP4500, 7-14-21-28MHz, 4500Watts ICAS

Specification as measured, serial number #1019-321:

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



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



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