

«Perfo Box» series of Filters and MultiPlexers

QuadPlexer PB-QP200, 7-14-21-28MHz*, 200Watts ICAS**

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

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

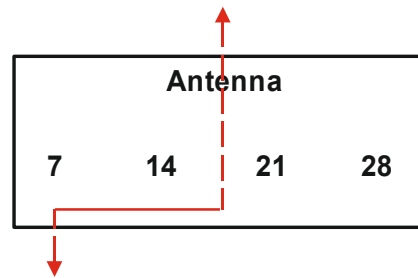
SKU: PB-QP200

Typical specifications:

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 200W
- Maximum ICAS power at antenna port: 600W, (please see [Application notes](#))
- VSWR: ≤1,2:1
- Return loss: ≥20db
- Size: 270 x 120 x 75 mm / 10,6" x 4,7" x 2,9"
- Net weight: ≤0,8 kg / 2,0 lbs

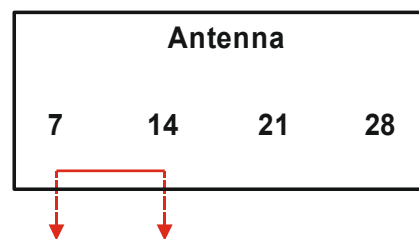
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers at the band edges rounded to 5db, unused port terminated 50 ohms:

Transmit	Receive level, db.:			
	7	14	21	28
7	≤-0.15	≥ -40	≥ -50	≥ -45
14	≥ -40	≤-0.25	≥ -30	≥ -25
21	≥ -30	≥ -30	≤-0.3	≥ -30
28	≥ -50	≥ -50	≥ -30	≤-0.25



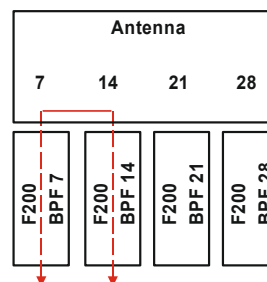
Band to Band, Isolation from port to port (S21), worst possible numbers at the band edges rounded to 5db, Antenna and unused port terminated 50 ohms:

Transmit	Receive level, db.:			
	7	14	21	28
7	-	≥ -40	≥ -55	≥ -45
14	≥ -40	-	≥ -35	≥ -25
21	≥ -30	≥ -30	-	≥ -30
28	≥ -50	≥ -50	≥ -30	-



Band INPUT to Antenna OUTPUT, insertion loss (S11) and **Band to Band Isolation from port to port** (S21), **with Band Pass Filters «Perfo Box-200»**, worst possible numbers at the band edges rounded to 5db, Antenna port and unused ports terminated 50 ohms:

Transmit	Receive level, db.:			
	7	14	21	28
7	-	≥ -95	≥ -100	≥ -100
14	≥ -100	-	≥ -100	≥ -100
21	≥ -90	≥ -80	-	≥ -95
28	≥ -100	≥ -90	≥ -75	-



QC:

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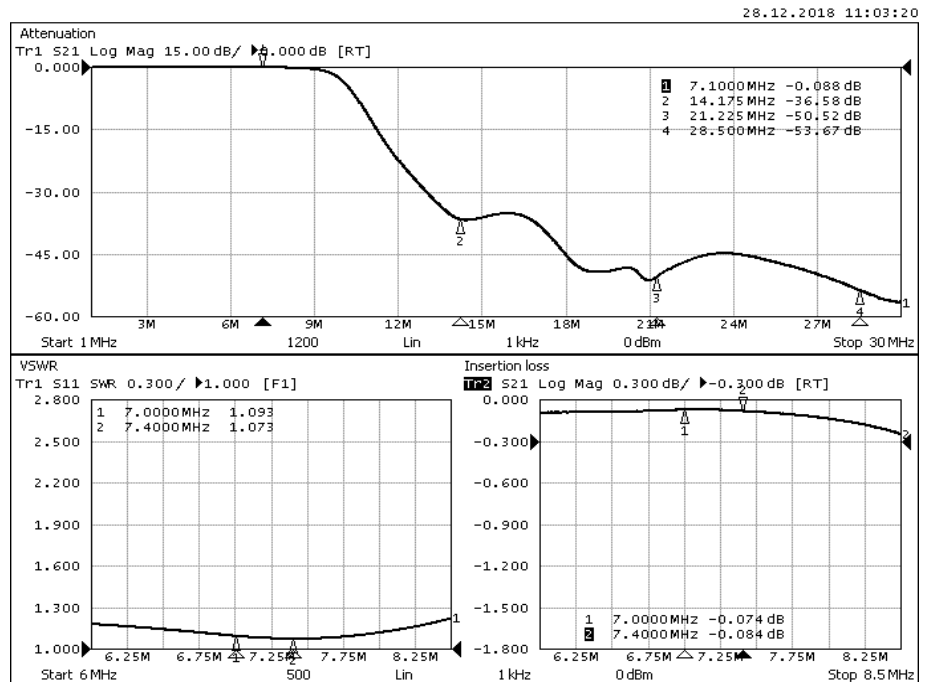
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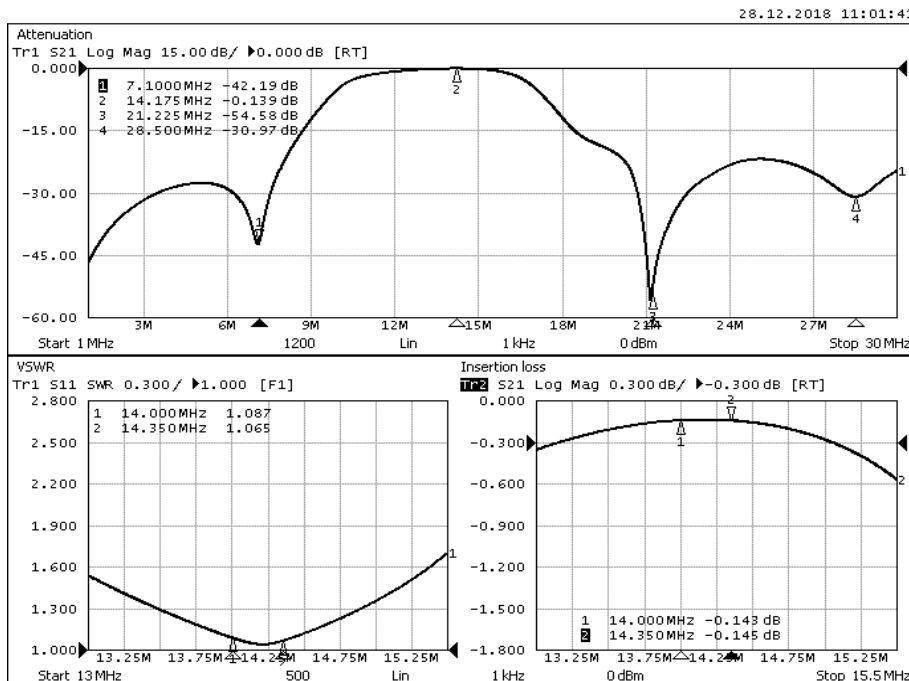
QuadPlexer PB-QP200, 7-14-21-28MHz, 200Watts ICAS

Specification as measured, serial number #1218-687:

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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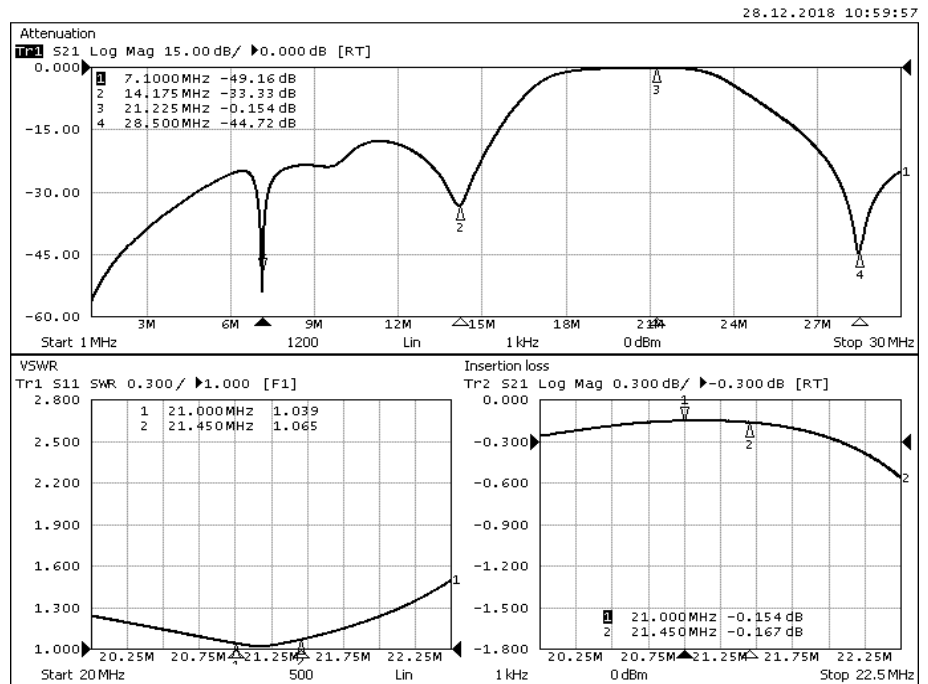


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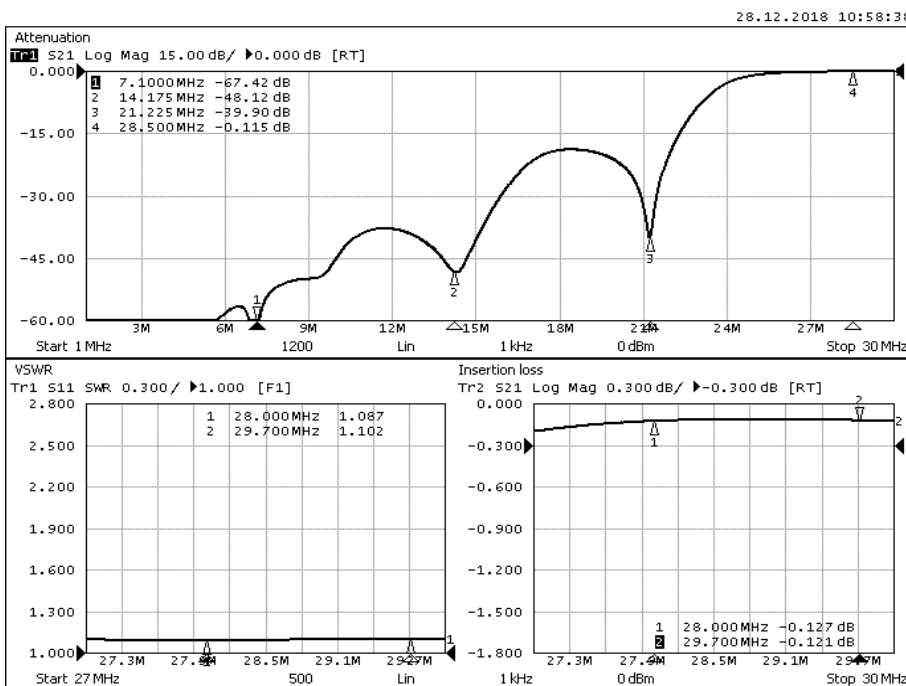
QuadPlexer PB-QP200, 7-14-21-28MHz, 200Watts ICAS

Specification as measured, serial number #1218-687:

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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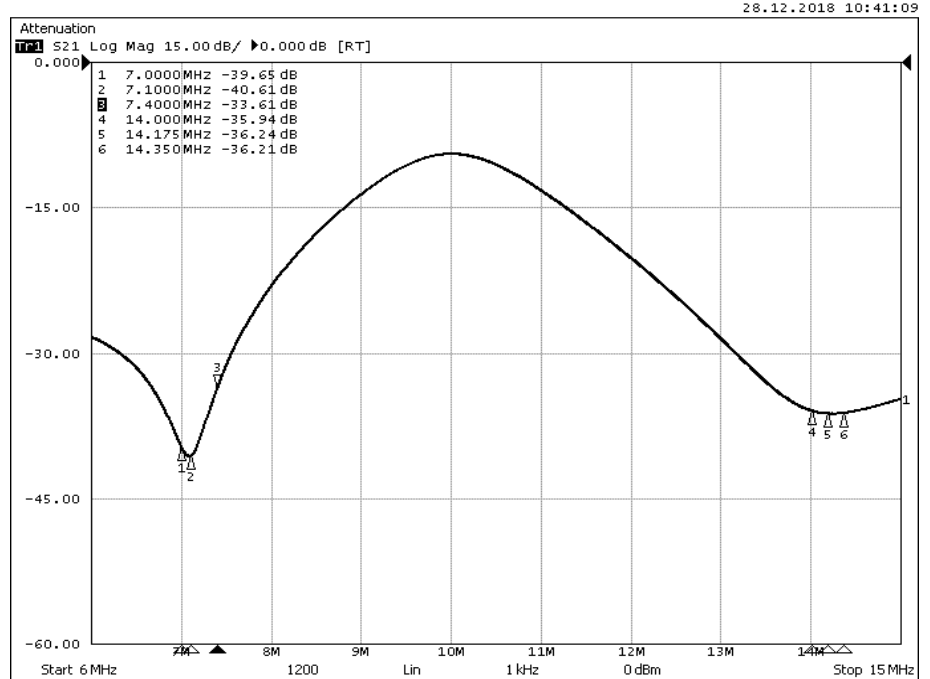
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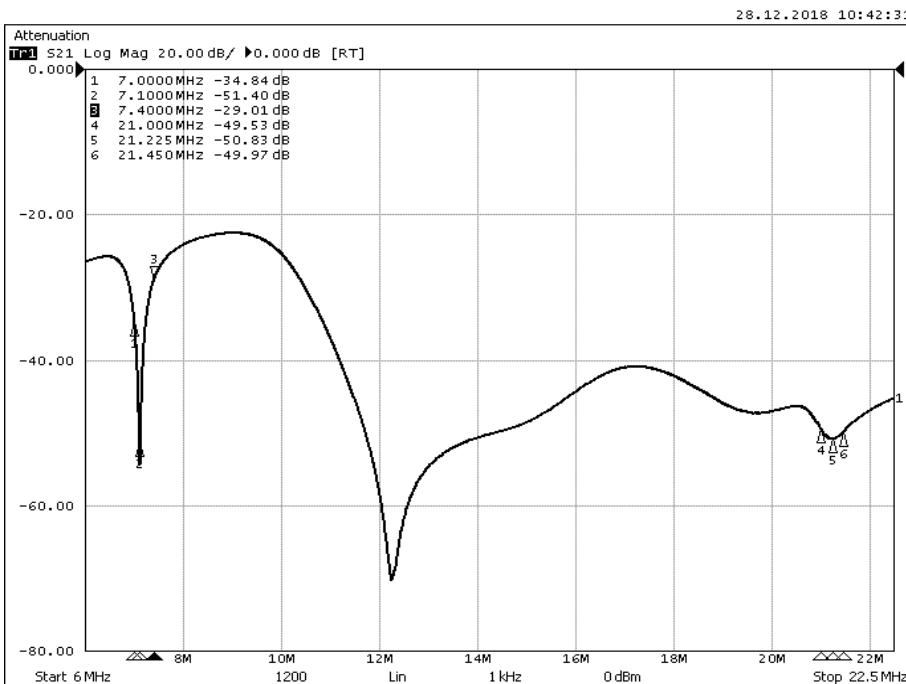
QuadPlexer PB-QP200, 7-14-21-28MHz, 200Watts ICAS

Specification as measured, serial number #1218-687:

Isolation: 7MHz port to 14MHz port



Isolation: 7MHz port to 21MHz port



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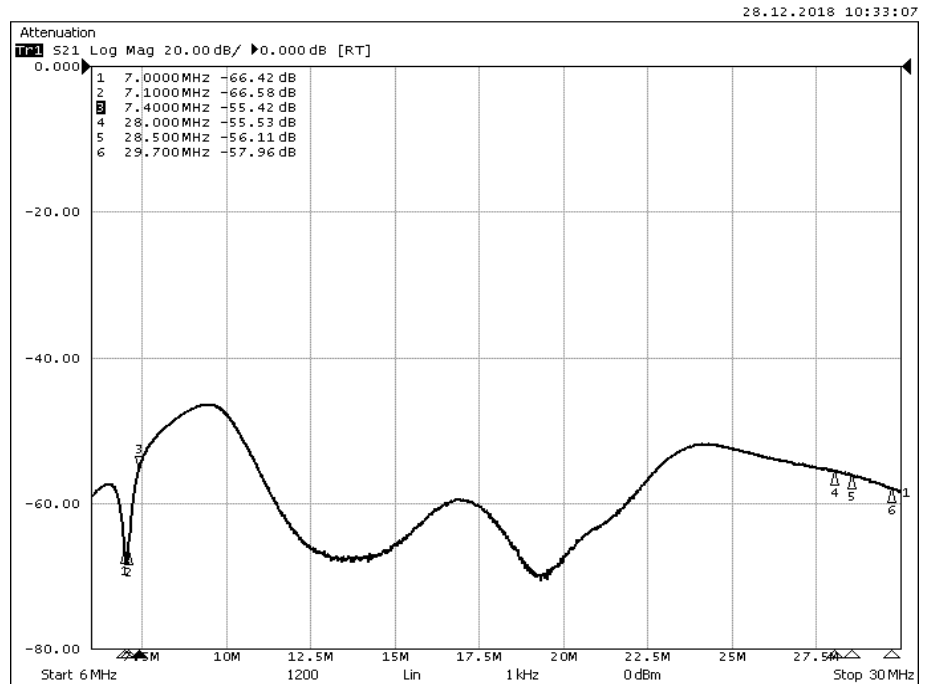
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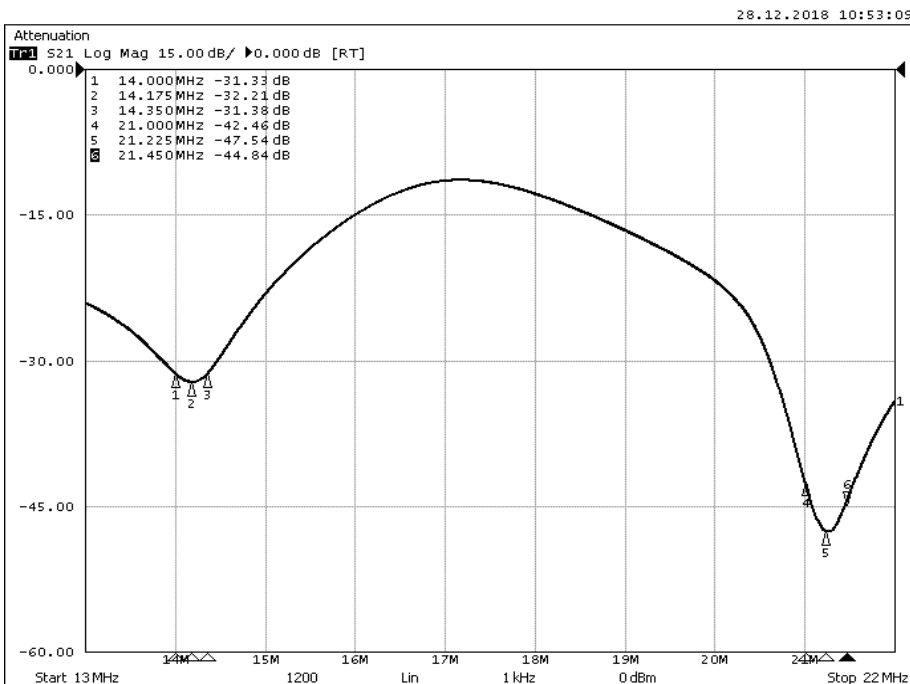
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Specification as measured, serial number #1218-687:

Isolation: 7MHz port to 28MHz port



Isolation: 14MHz port to 21MHz port



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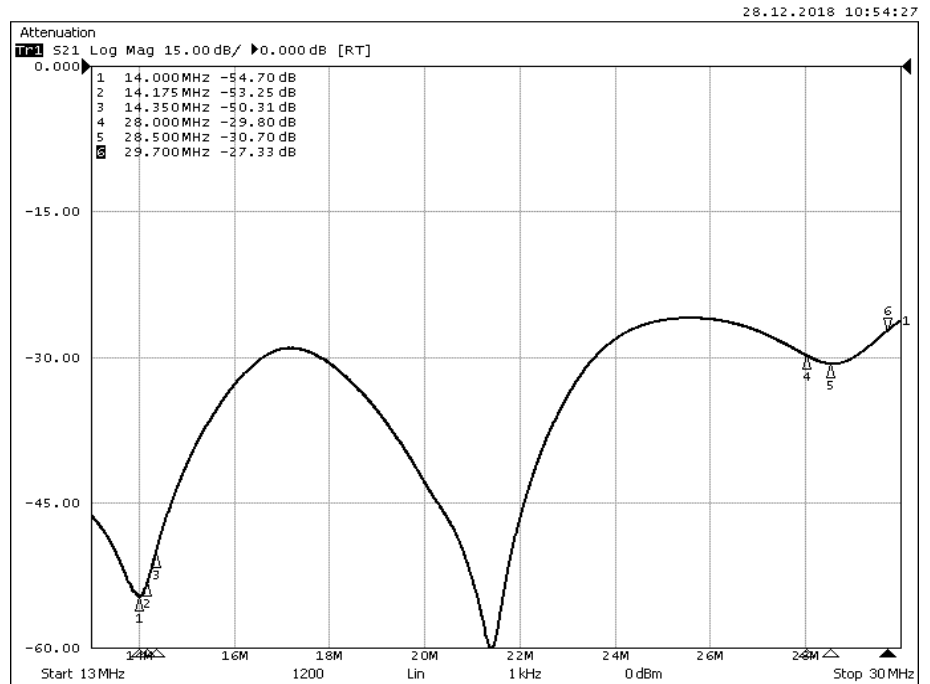


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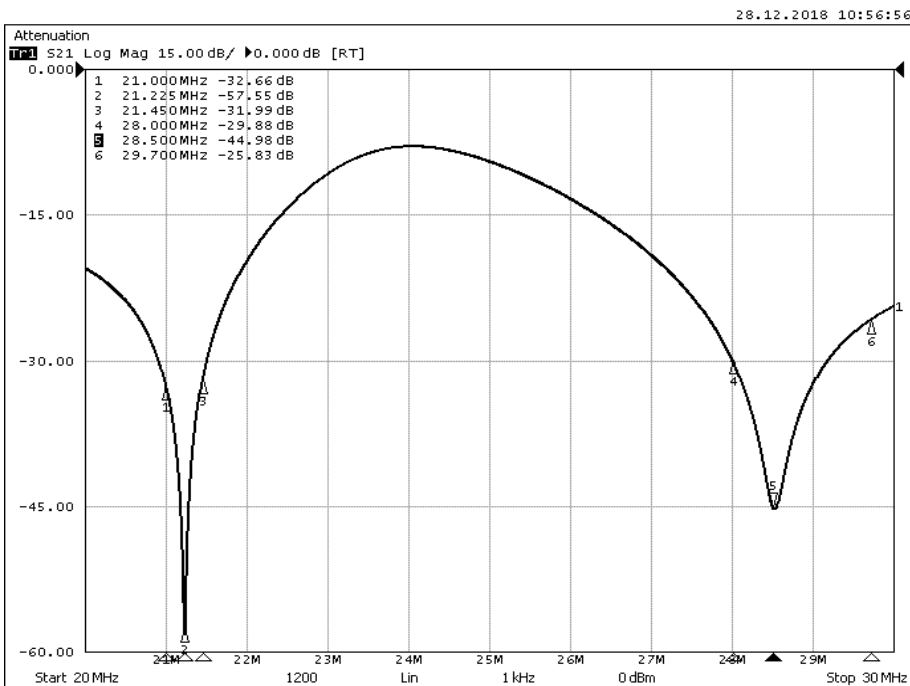
QuadPlexer PB-QP200, 7-14-21-28MHz, 200Watts ICAS

Specification as measured, serial number #1218-687:

Isolation: 14MHz port to 28MHz port



Isolation: 21MHz port to 28MHz port



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