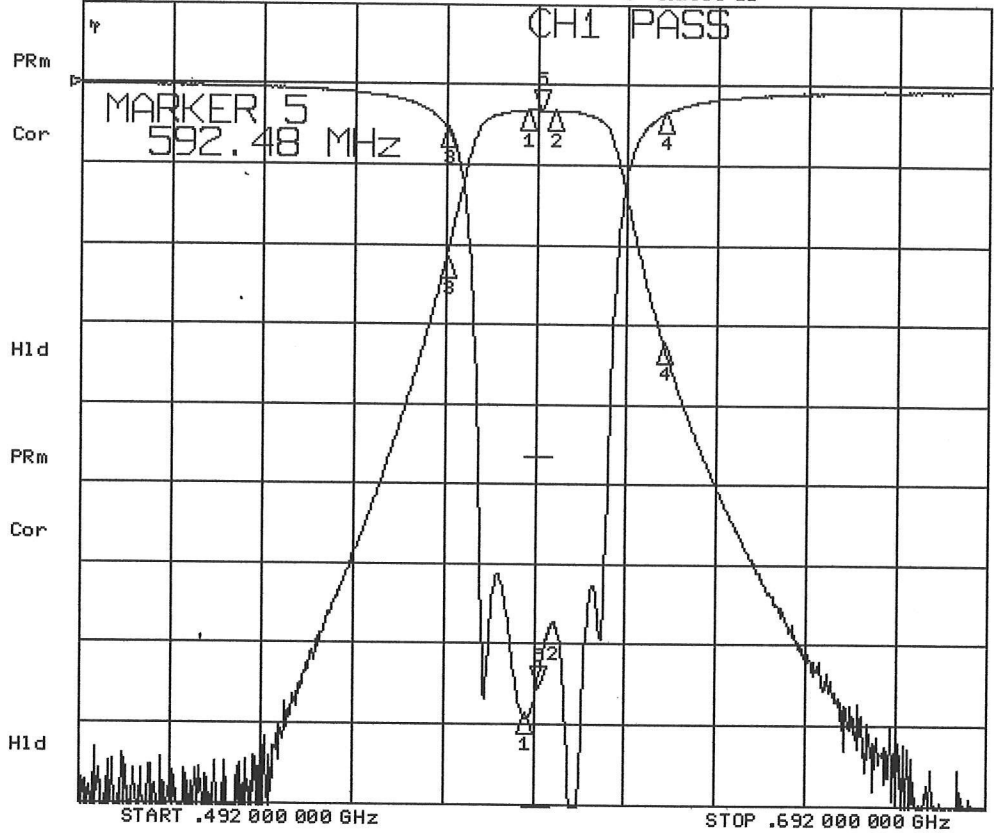


8 Jun 2001 13:10:21

CH1 S11 LOG 3 dB/REF 0 dB 5i-22.645 dB .592 480 000 GHz
 CH2 S21 LOG 10 dB/REF 0 dB 5i-3.1530 dB



CH1 Markers

1i-23.676 dB
589.500 MHz
2i-20.273 dB
595.500 MHz
3i-1.6040 dB
572.000 MHz
4i-1.0620 dB
620.000 MHz

CH2 Markers

1i-3.1700 dB
589.500 MHz
2i-3.1690 dB
595.500 MHz
3i-21.806 dB
572.000 MHz
4i-32.401 dB
620.000 MHz



Bree Engineering 1K3H5
P/N 800003

S/N 1119-4-3

BY: None DATE: 6/8/01

Parameter	Frequency MHz	Limit	units	Reading
Center Frequency	592.5			
Passband Loss	589.5 to 595.5	3.7	dBa, max	<u>3.17</u>
	591 to 594	0.12	dBc, max	<u><0.10</u>
	590.5 to 594.5	0.22	dBc, max	<u><0.10</u>
	589.5 to 595.5	0.50	dBc, max	<u><0.10</u>
	586.5 to 598.5	0.90	dBc, max	<u><0.20</u>
Sliding Band Loss	any .2 from 590.5 to 594.5	0.03	dB, p-p, max	<u><0.03</u>
	any .2 from 588.5 to 590.5 and 594.5 to 596.5	0.06	dB, p-p, max	<u><0.05</u>
	any .2 from 586.5 to 588.5 and 596.5 to 598.5	0.03	dB, p-p, max	<u><0.02</u>
Passband Return Loss	589.5 to 595.5	14	dB, min	<u>19.9</u>
Stopband Return Loss (input)	3000 to 7500	10	dB, min	<u>11.0</u>
Group Delay	592.5	40.5	nSa min	<u>43.0</u>
	592.5	43.5	nSa max	
Group Delay Variation	any .2 from 591.5 to 593.5	0.5	nSc, p-p, max	<u><0.3</u>
	589.5 to 595.5	3	nSc, p-p, max	<u>2.0</u>