

SAW Filter 1575.420MHz for GPS

Model: TA1575GG

Part No: MA04697

REV. NO.: 2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +100°C

B. ELECTRICAL CHARACTERISTICS:

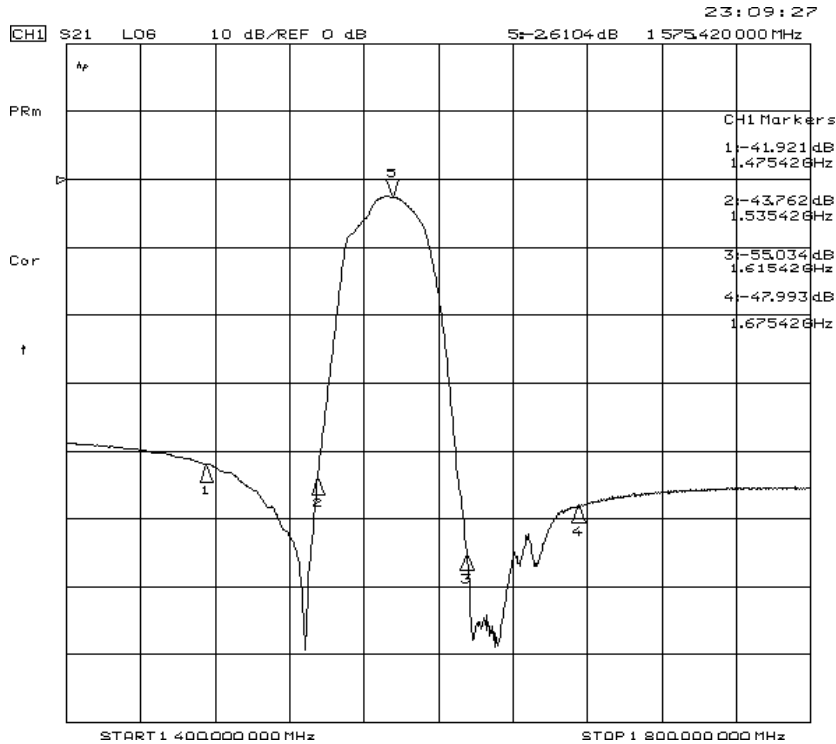
Item	Min.	Typ.	Max.
Center frequency F_c (dB)	-	1575.42	-
Insertion loss 1574.42 ~1576.42 MHz IL (dB)	-	2.6	3.5
Amplitude ripple (p-p) 1574.42 ~ 1576.42 MHz (dB)	-	0.1	1.5
Attenuation (Reference level from 0 dB)			
1475.42 MHz (dB)	35.0	42.0	-
1535.42 MHz (dB)	30.0	44.0	-
1615.42 MHz (dB)	30.0	55.0	-
1675.42 MHz (dB)	40.0	48.0	-
VSWR within 1574.42 ~1576.42 MHz	-	1.5	2.5
Source impedance Z_s (Ω)	-	50	-
Load impedance Z_L (Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

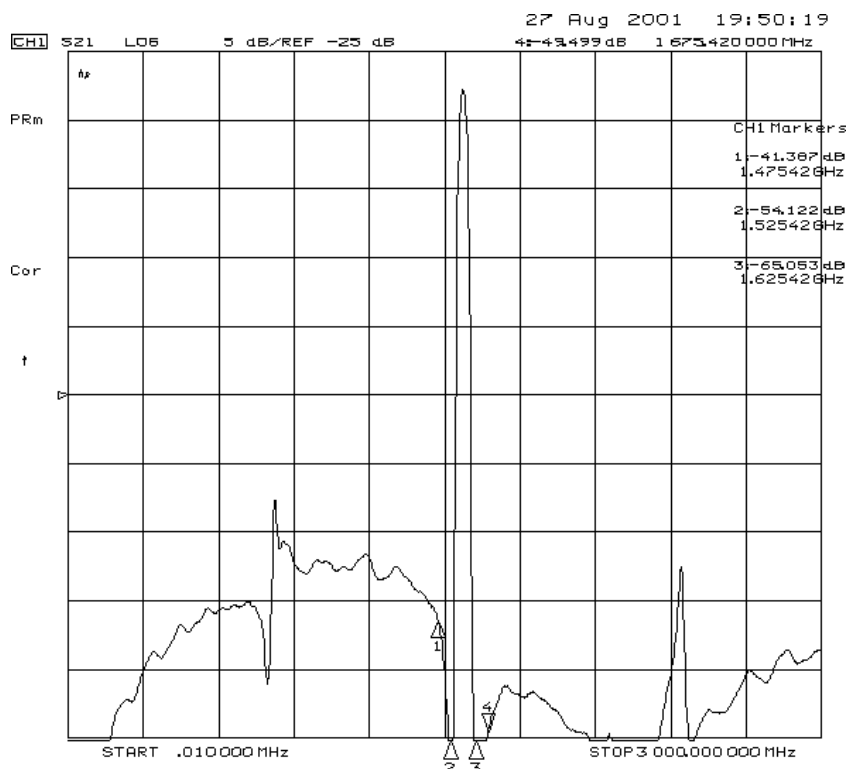
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C. Frequency Characteristics :



(wide band)

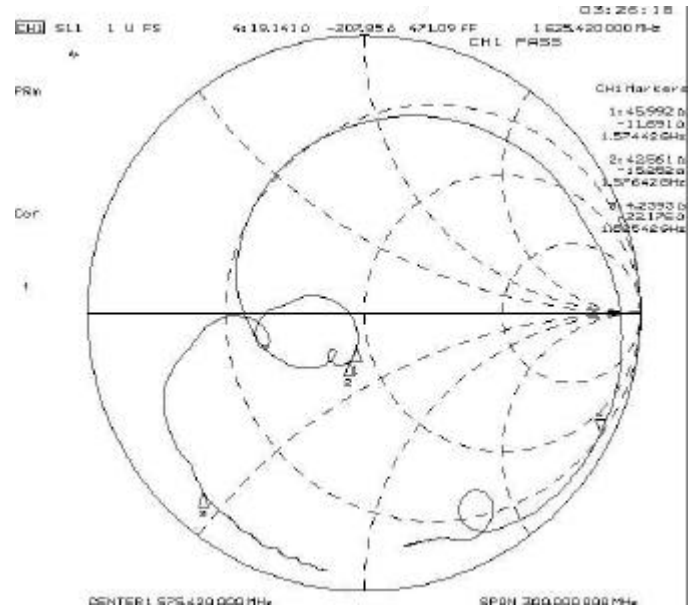
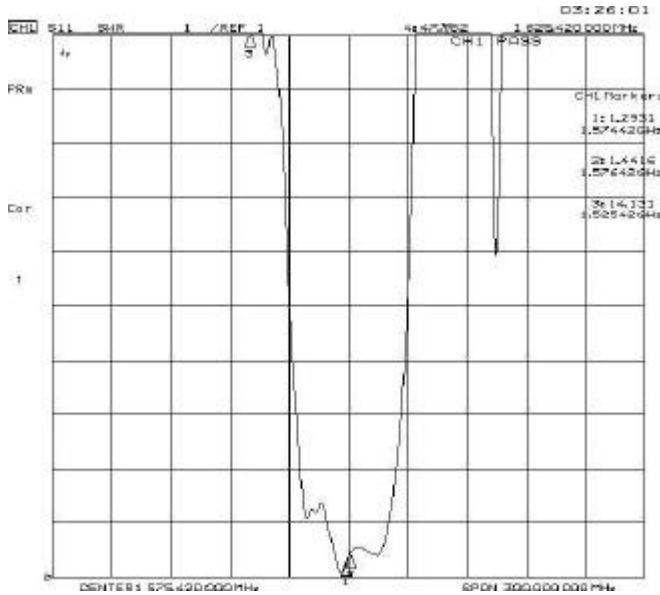


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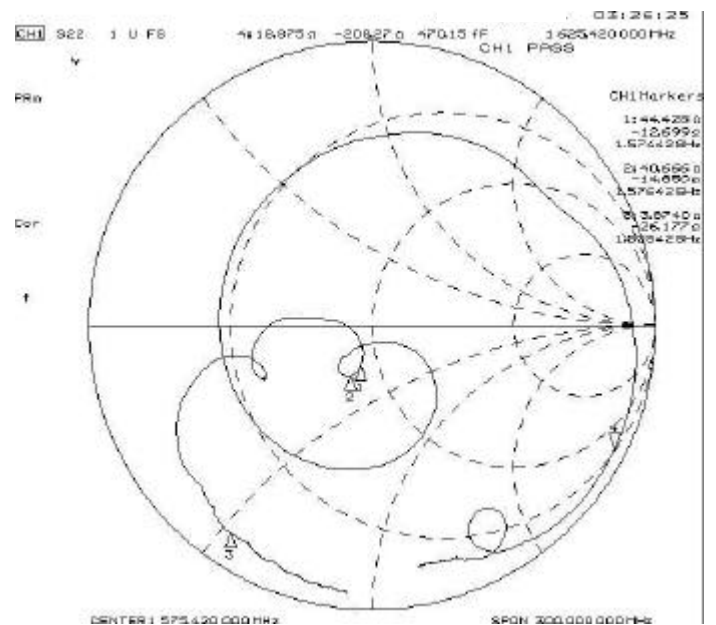
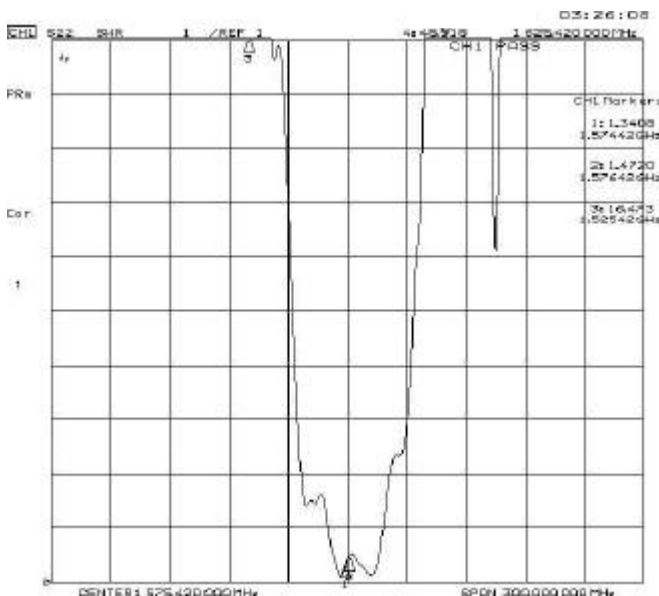
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D. Reflection Functions :

S11 VSWR



S22 VSWR

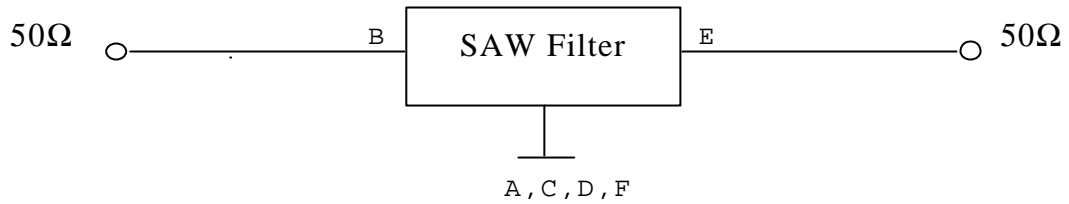


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E. MEASUREMENT CIRCUIT:

HP Network analyzer



F. OUTLINE DRAWING:

