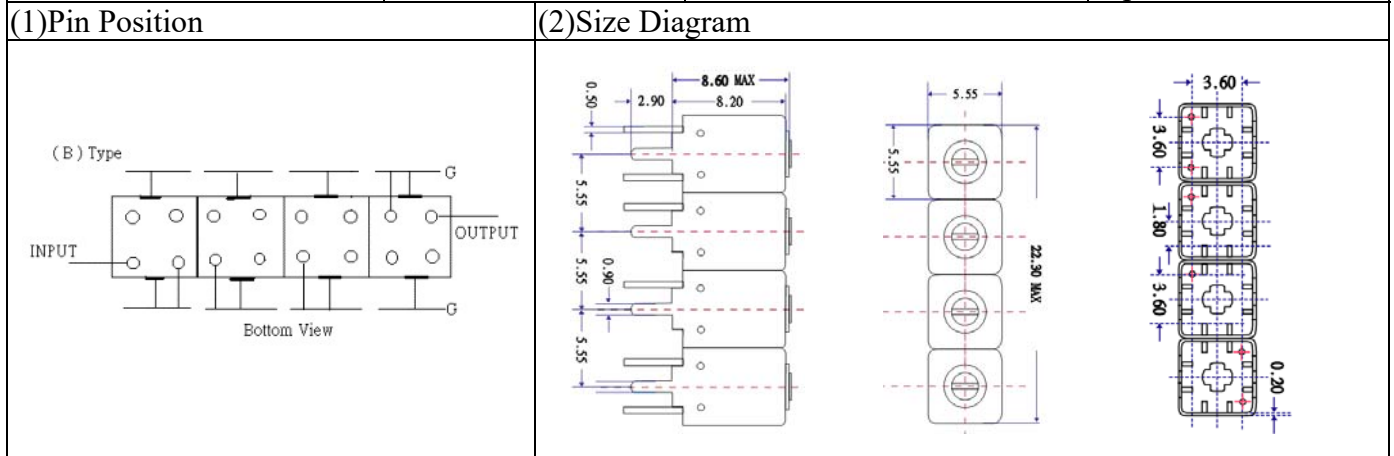


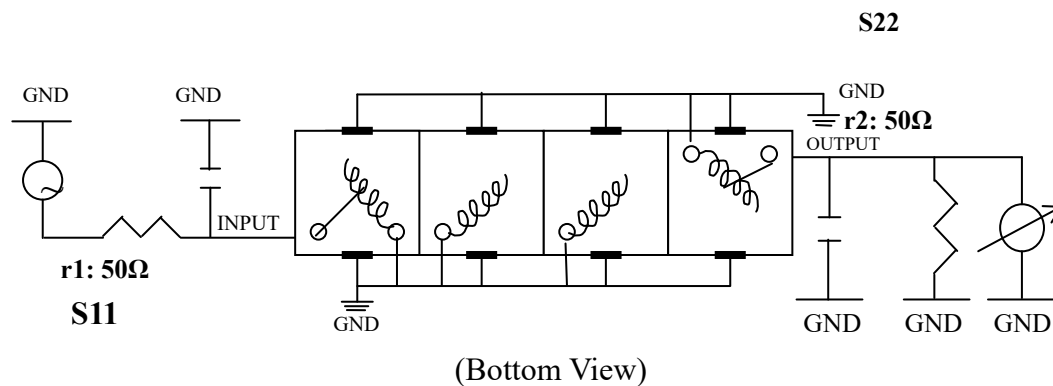
VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41110B-1910M
Approval No. /dated	201905079CD	Temwell's Print name	41110B 1910M
Work Instruction No.	201905079CD	Date	Sep.16.2019



(3) Electric Characteristic			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1910 MHz	1910 MHz	
Insertion Loss	Typ. 7.5 dB	6.39 dB	
-3 dB Bandwidth	Typ. 20 MHz	31.6 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 59 dBc	69 dBc
	Fo + 100 MHz	Typ. 47 dBc	51 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo + ()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	23.2 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4) Torque for Tuning Screw			
> 60gf · cm			
(5) Temperature Condition:			
Operating Temperature	0°C ~ +60°C		
Storage Temperature	-20°C ~ +70°C		
(6) Input Power			
> 0.5Watt			

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).



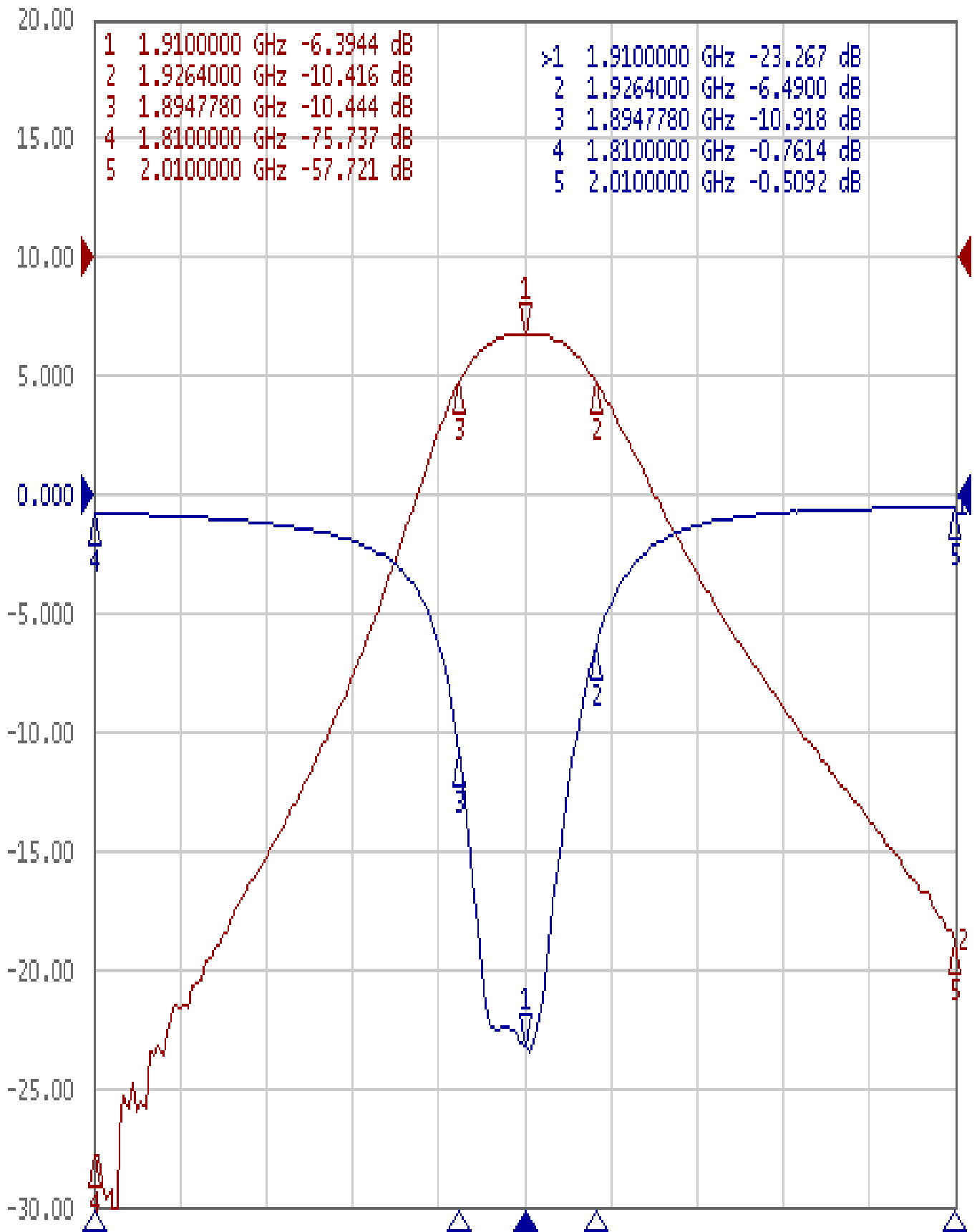
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	W.W.Wang	5W4S(3.8*3.5)(3.57) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

Performance-TFW4110B-1910M

201905079CD

▶ Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]



1 Center 1.91 GHz

IFBW 70 kHz

Span 200 MHz Cor !