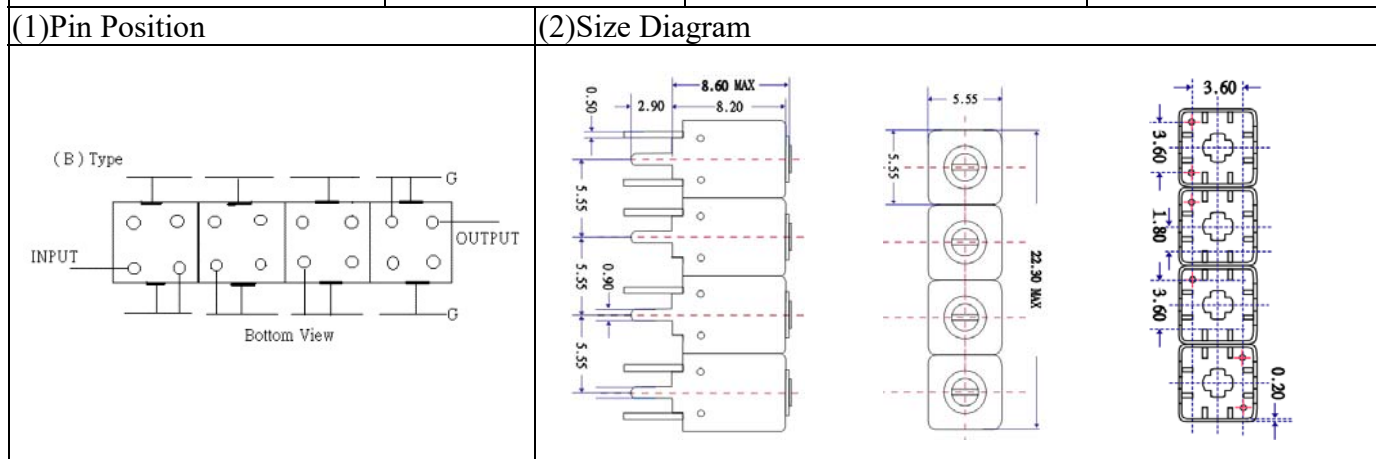


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4866B-1900M
Approval No. /dated		Temwell's Print name	4866B 1900M
Work Instruction No.	202006003CD	Date	Jun.12.2020



**(3)Electric Charasteric**

Item	Specify	Performance
Center Freq.(Fo ) +/- 0.5 %	1900 MHz	1900 MHz
Insertion Loss	Typ. 2.5 dB	1.59 dB
-3 dB Bandwidth	Typ. 208 MHz	219.4 MHz
Sensitivity (Attenuation )	Fo - 300 MHz	Typ. 48 dBc
	Fo + 300 MHz	Typ. 23 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	14.1 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω

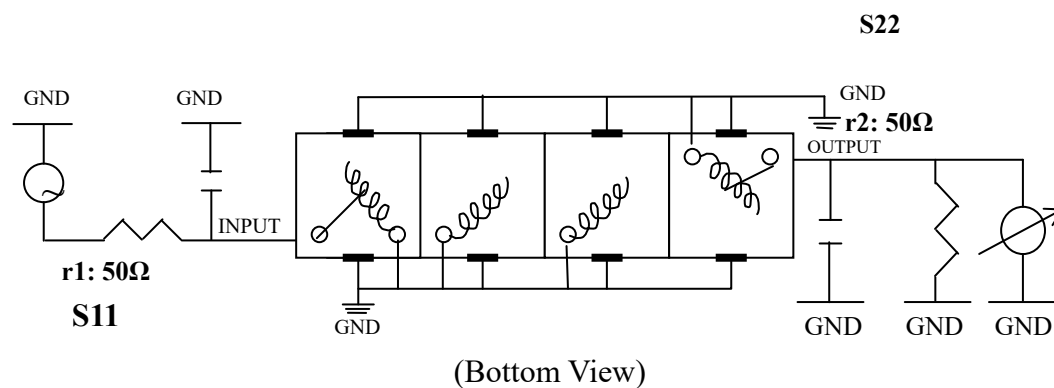
(4)Torque for Tuning Screw > 60gf • cm

**(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(- -).



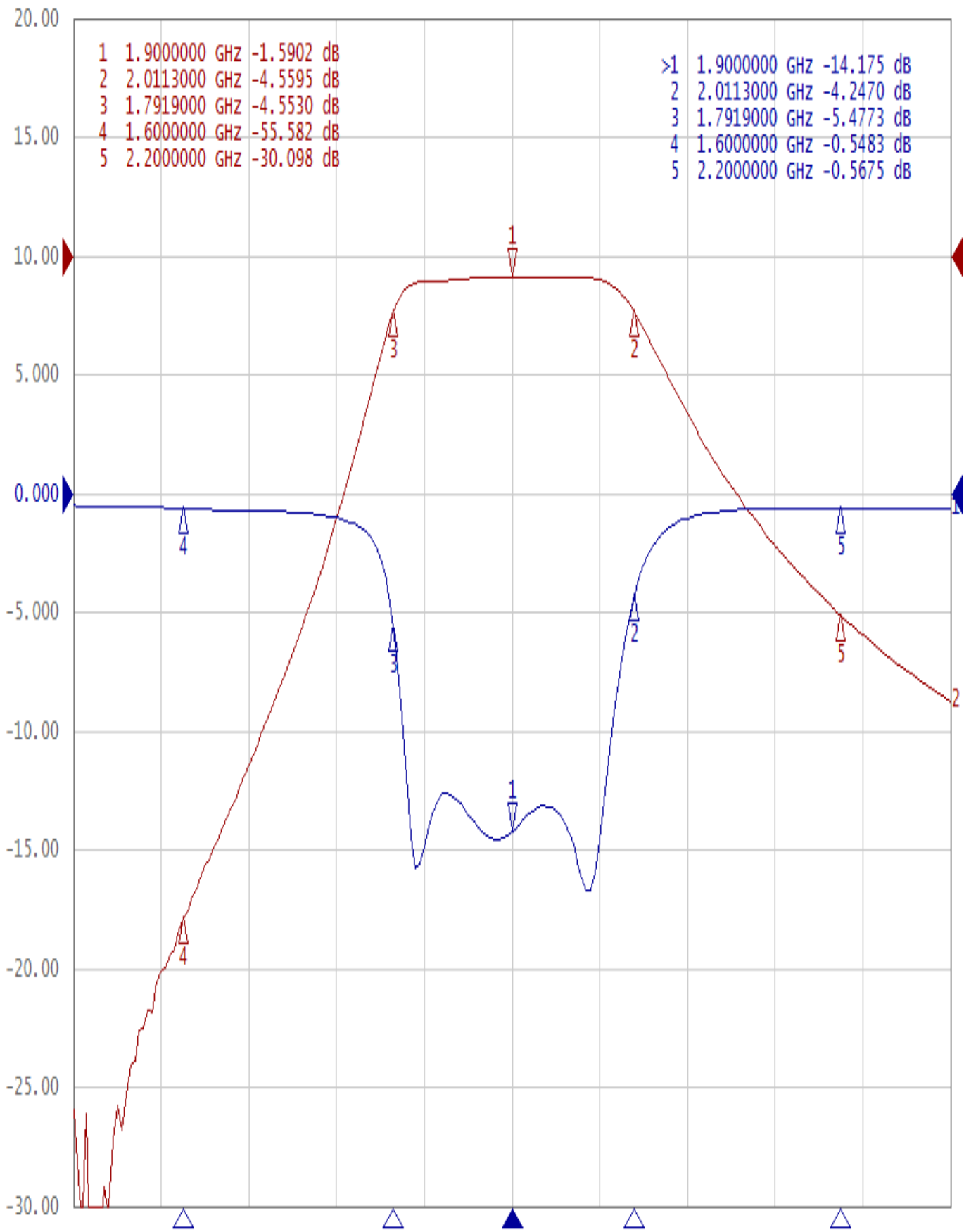
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	M.Y.Kang	5W4S(3.8*5.1)(5.13) 5HW046RB4

TEMWELL CORPORATION

# Performance-TFW4866B-1900M

## 202006003CD

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



1 Center 1.9 GHz

IFBW 70 kHz

Span 800 MHz Cor!