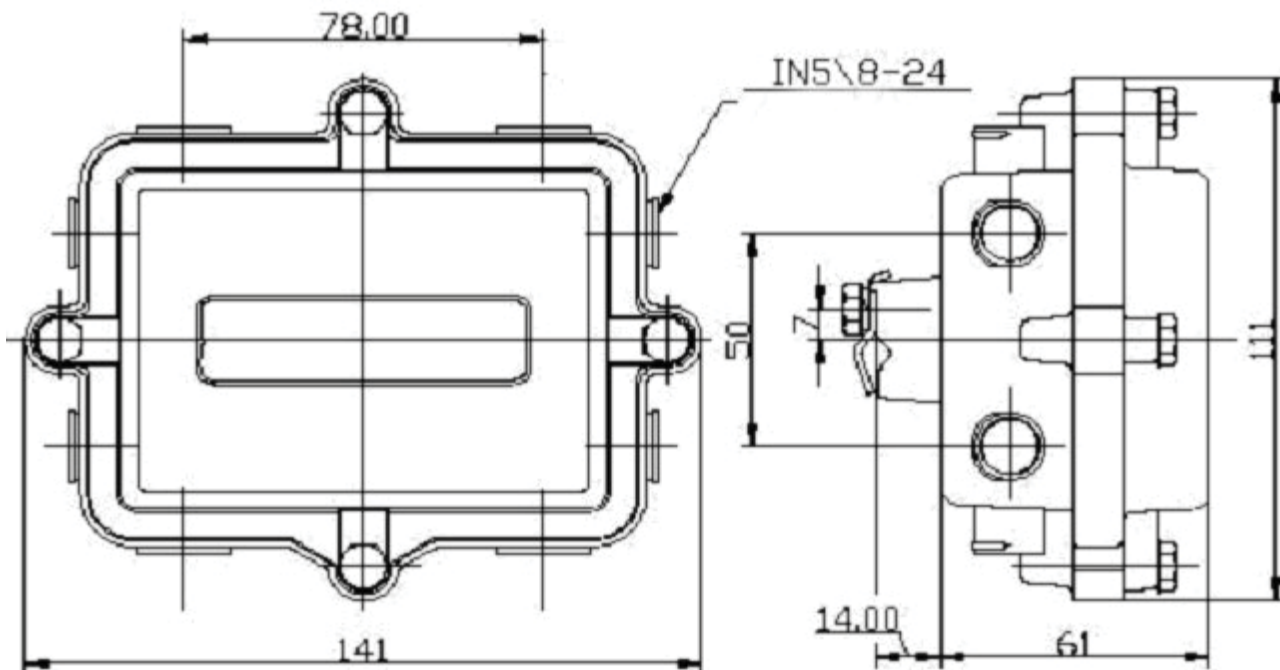


3-WAY SPLITTER CLD-304D-OD



Outline Drawings





Features

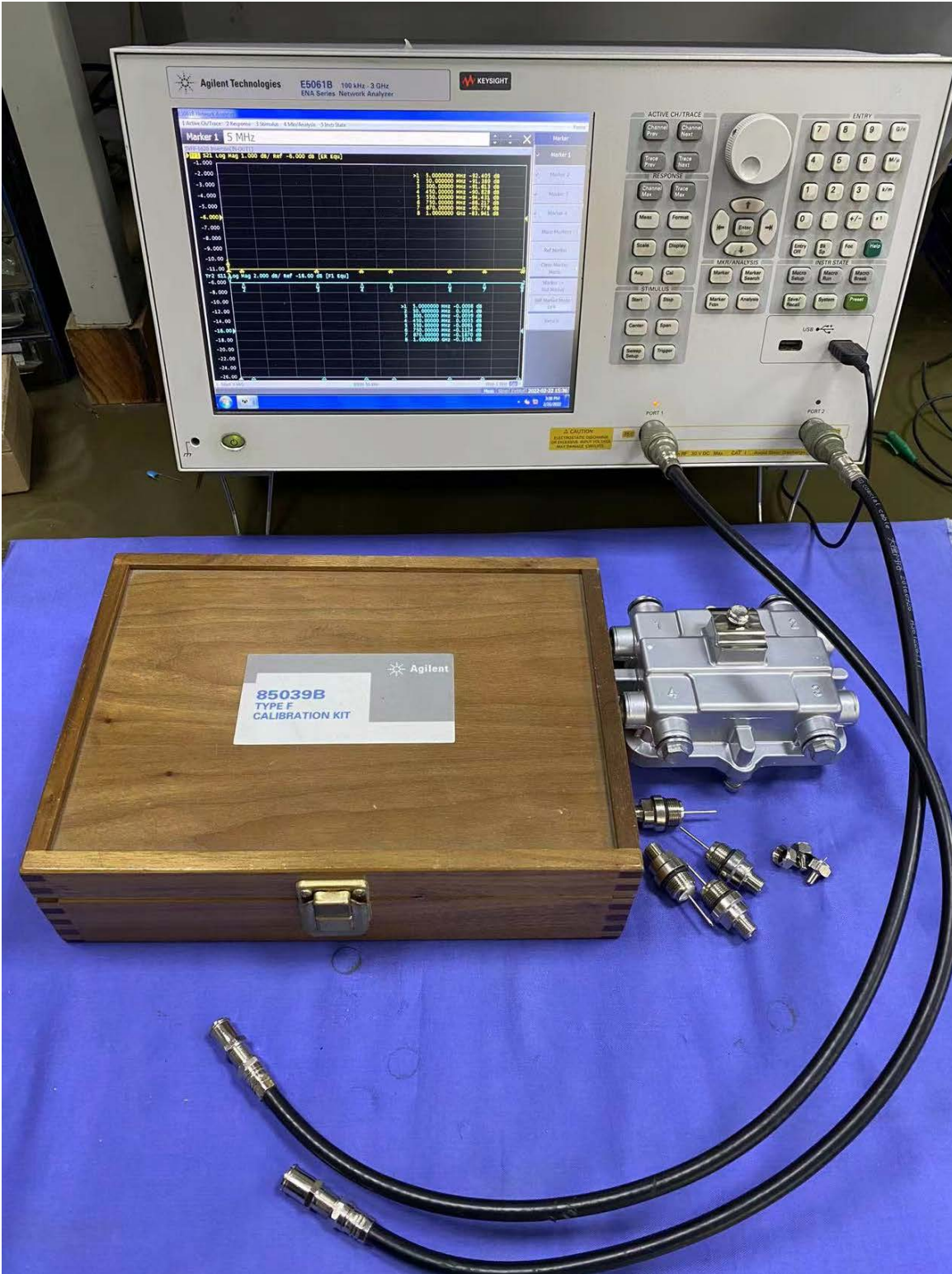
- RFI (woven metallic) gasket ensures against ingress/egress interference, ≥ 110 dB RFI shielding.
- Fuseable configuration.
- Heat shrink ridges for easy installation.
- Stainless steel hardware for corrosion resistance.
- Aluminum alloy housing with weather resistant powder coating and spray painting.
- Weather seal gasket ensures water tight protection, tested at 15 psi (1.0kg/cm²) / 60s, at least IP56.
- All ports are 5/8-24 female standard.
- Nominal impedance (all ports): 75 Ohms.
- Power Passing: 15A, 90VAC (IN-OUT All Ports).
- Response Flatness: $\leq \pm 0.75$ dB max.
- Hum Modulation at 10A: ≤ -70 dB; at 12A: ≤ -65 dB.
- Using 2-layer high quality FR4 board P.C.B (Printed Circuit Board) for RF applications.
- Using high quality chip capacitors and chip resistors.
- High Voltage Blocking Capacitors - All ports Surge With stand at IEEE C62.41-1991 Category B3 (1.2/50 μ s - 8/20 μ s Combination Wave, 6000 V, 3000 A): 2KV Capacitors.
- Use plug inserts with Insurance which are used in car.

Specification

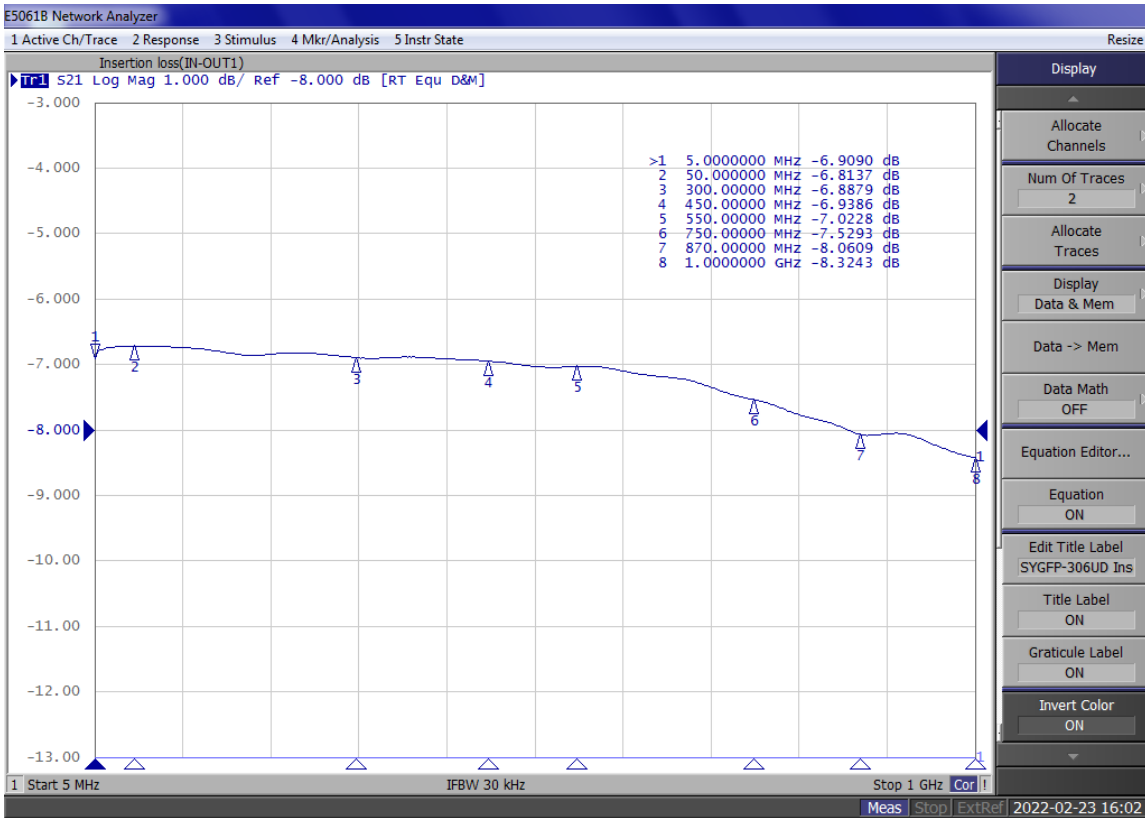
	OUTDOOR SPLITTER VALUE (dB)	
INSERTION LOSS (IN-OUT) max.	3-WAY UNBALANCED	
	HIGH	LOW
5 - 65 MHz	4.0	7.3
65 - 550 MHz	4.2	7.6
550 - 750 MHz	4.7	8.0
750 - 1000 MHz	5.4	8.8
ISOLATION (OUT-OUT) min.		
5 - 1000 MHz	26	26
RETURN LOSS (IN & OUT) min.		
5 - 1000 MHz	16	16
POWER PASS (MAX) (A)	15 @90VAC	
RFI (dB)	≥ 110	
Composite Cross Modulation (dB)	≥ 66	
Voltage (V)	90 typ. @50Hz	

MEASUREMENTS ON CLD-304D-OD (THREE WAY SPLITTER)

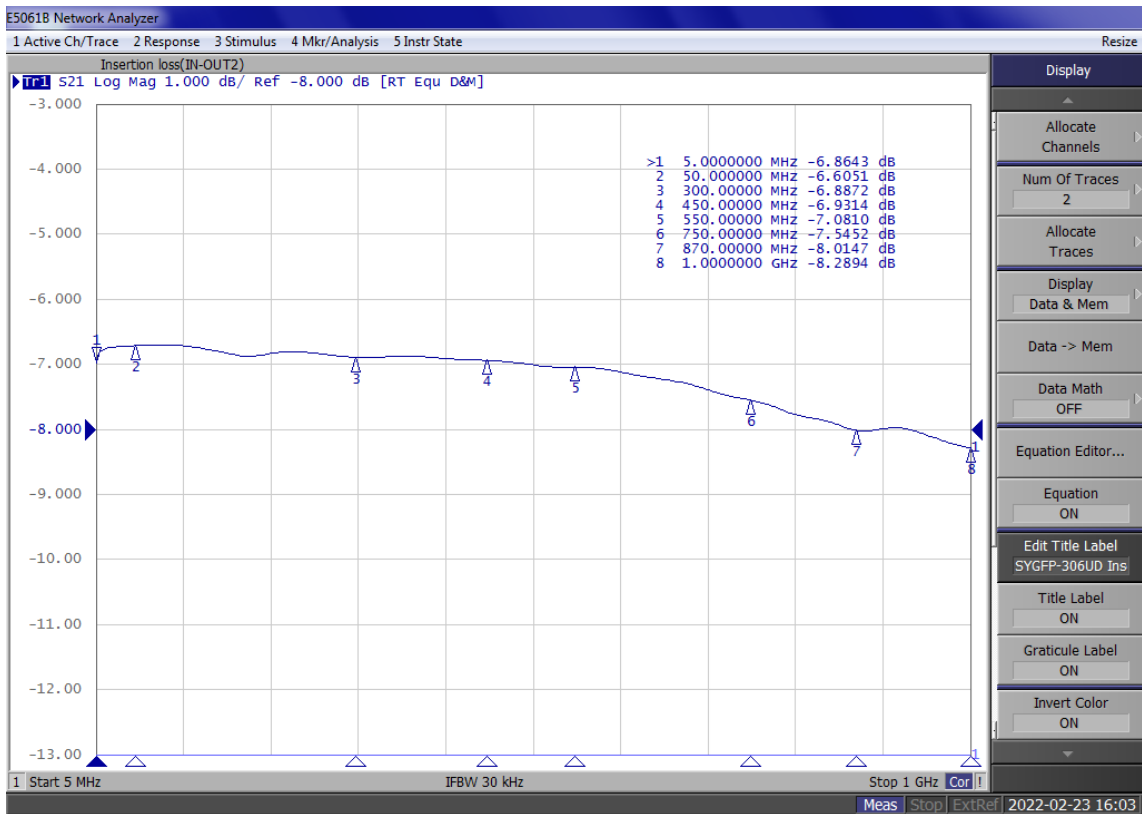
1. Network Analyser, Calibration Kits, 75Ω terminators, KS adaptors and CLD-304D-OD sample.



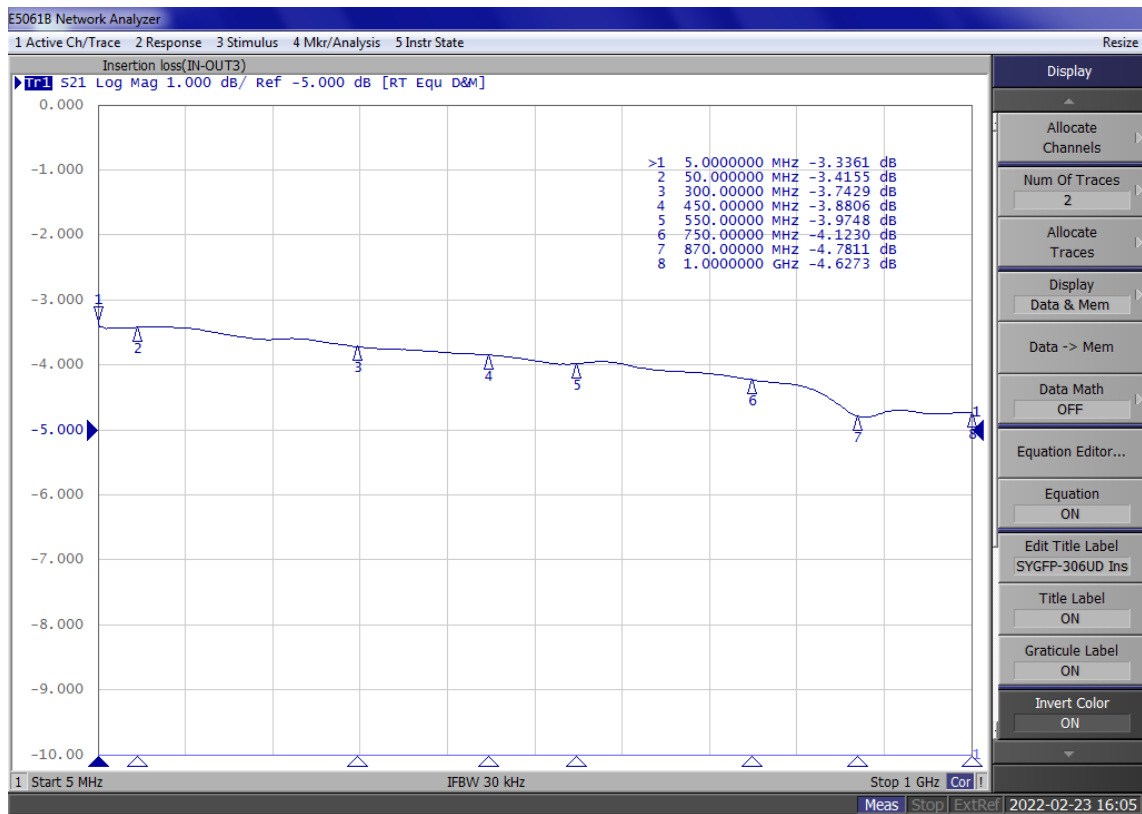
2. INSERTION LOSS (IN Port ~ OUT Port 1)



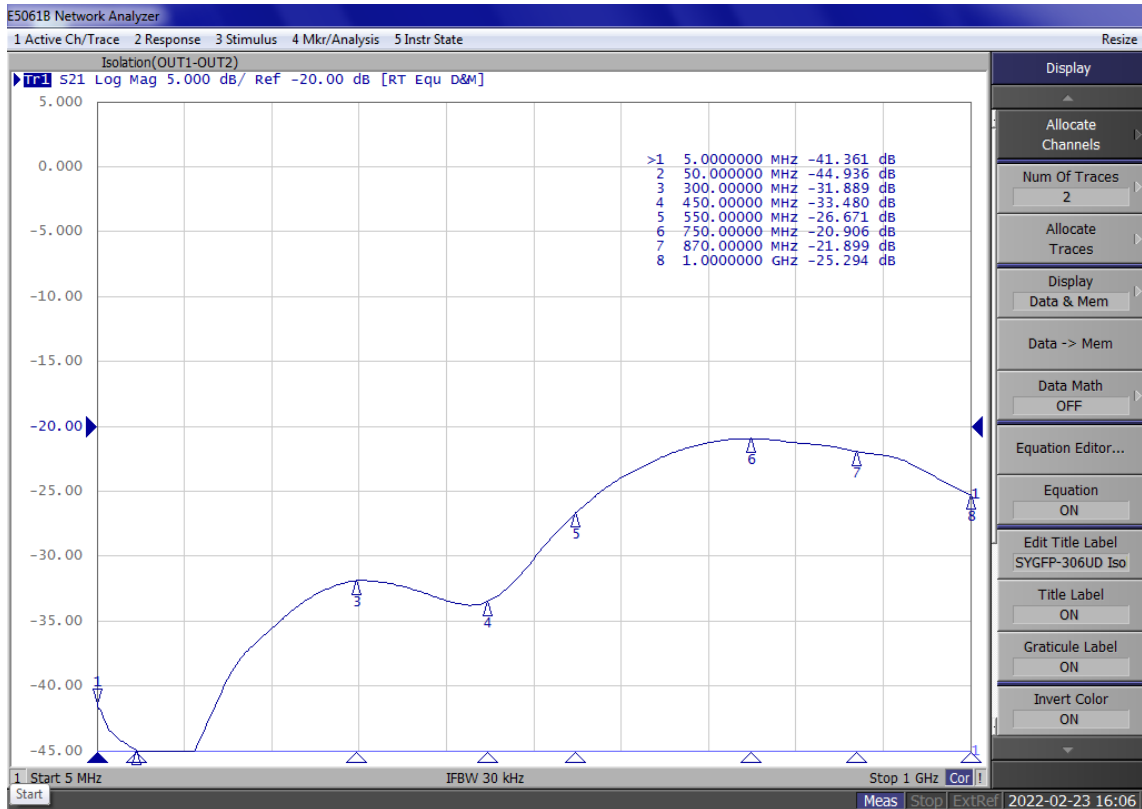
3. INSERTION LOSS (IN Port ~ OUT Port 2)



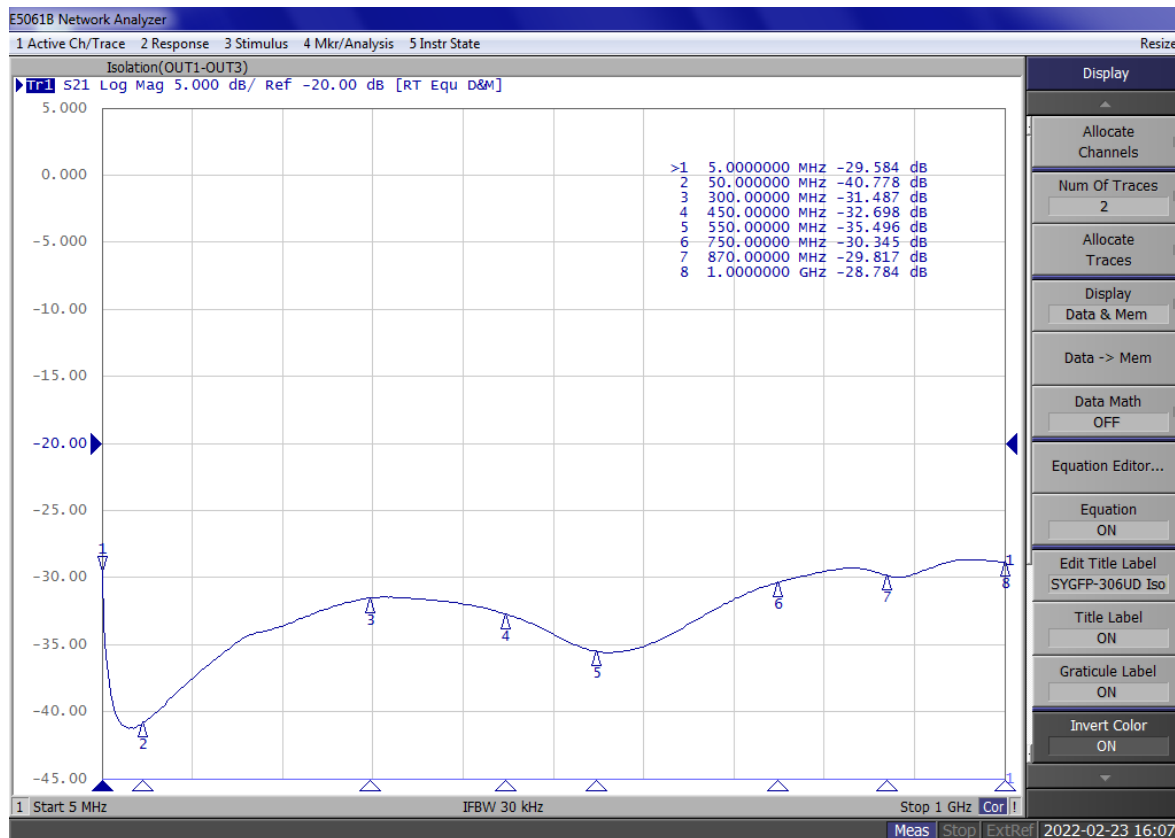
4. INSERTION LOSS (IN Port ~ OUT Port 3)



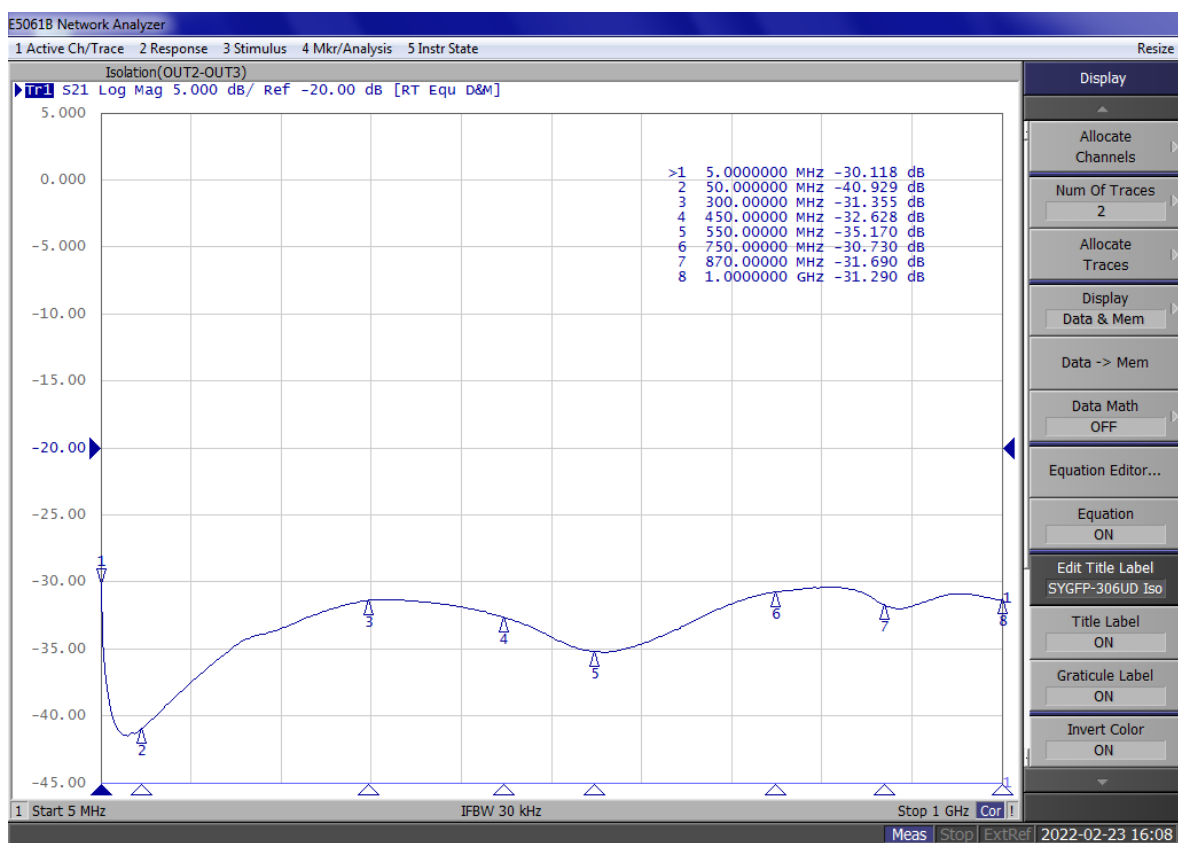
5. INSERTION LOSS (IN Port ~ OUT Port 4)



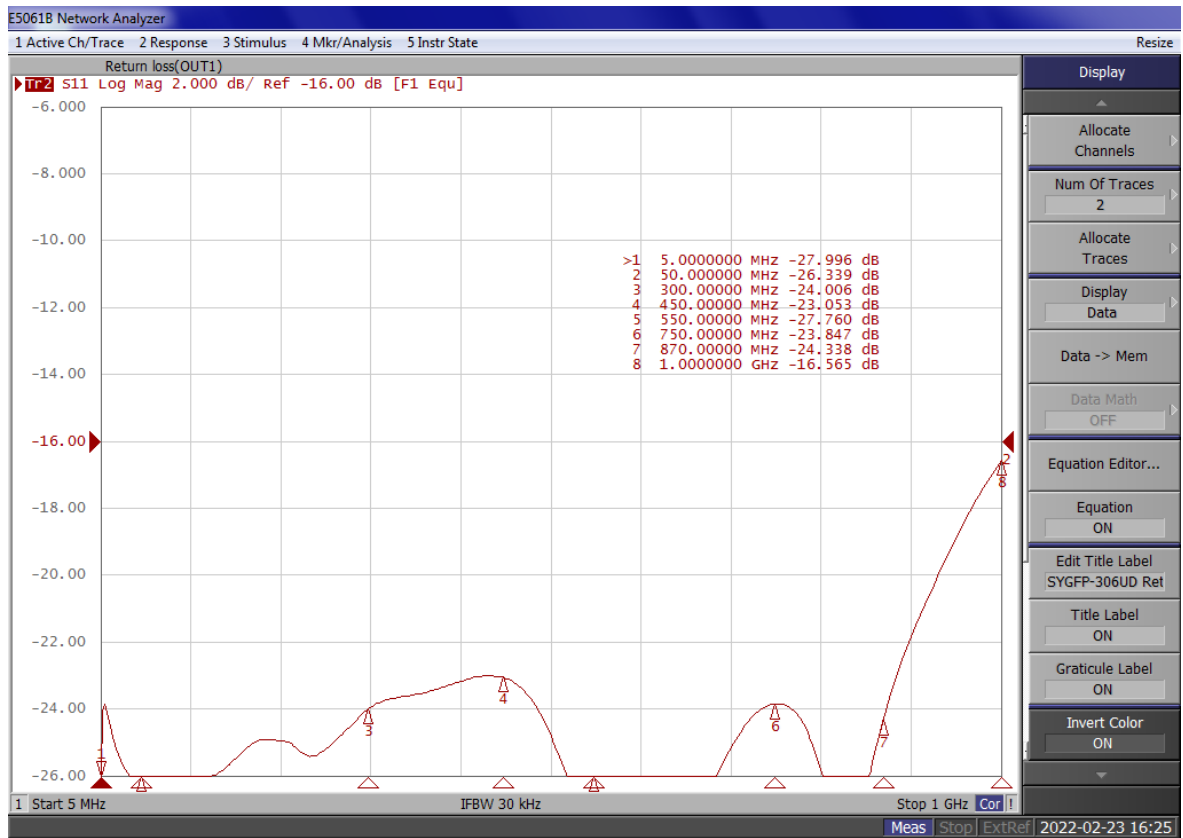
6. ISOLATION (OUT Port 1 ~ OUT Port 3)



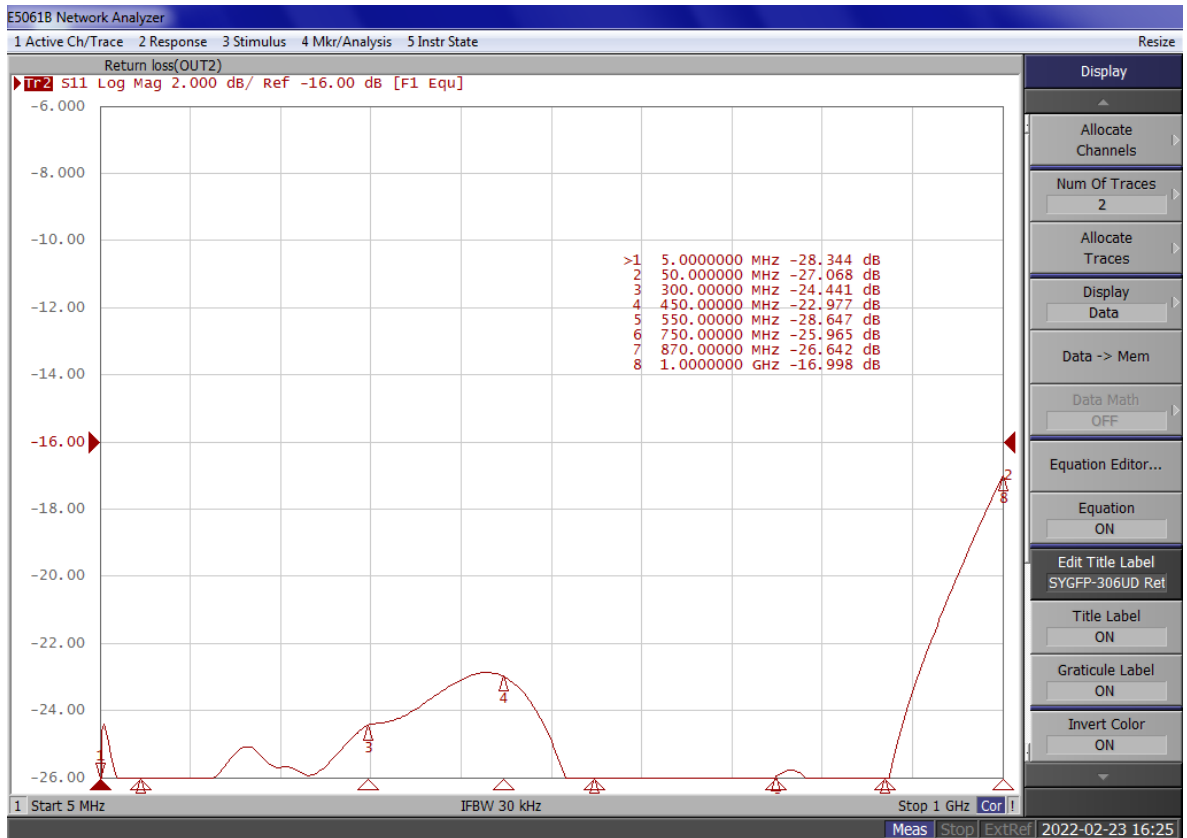
7. ISOLATION (OUT Port 2 ~ OUT Port 3)



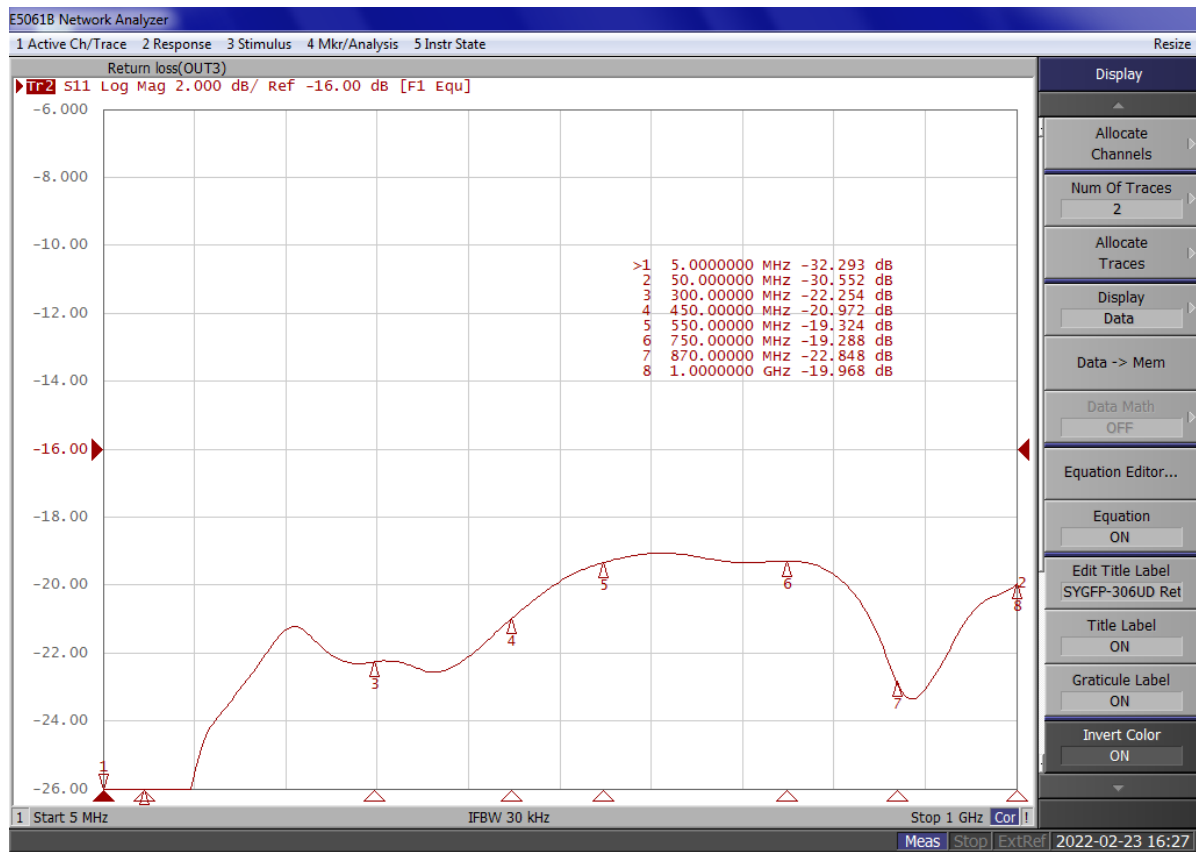
8. RETURN LOSS (OUT Port 1)



9. RETURN LOSS (OUT Port 2)



10. RETURN LOSS (OUT Port 3)



11. RETURN LOSS (IN Port)

