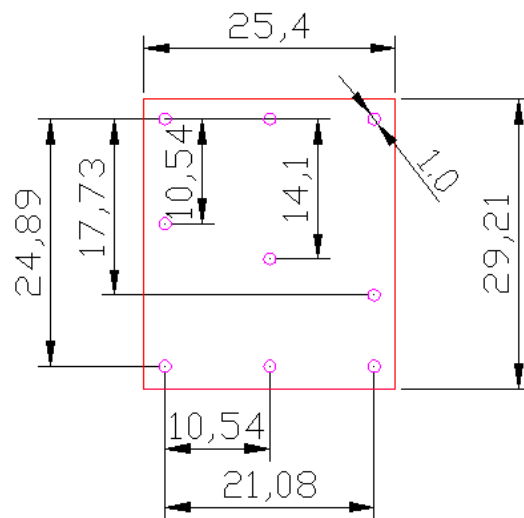
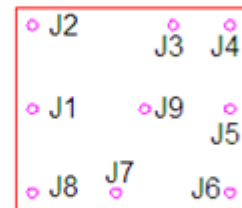
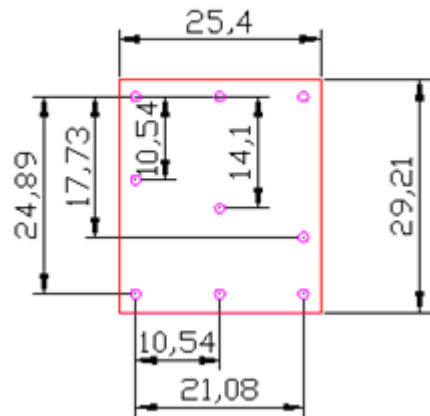
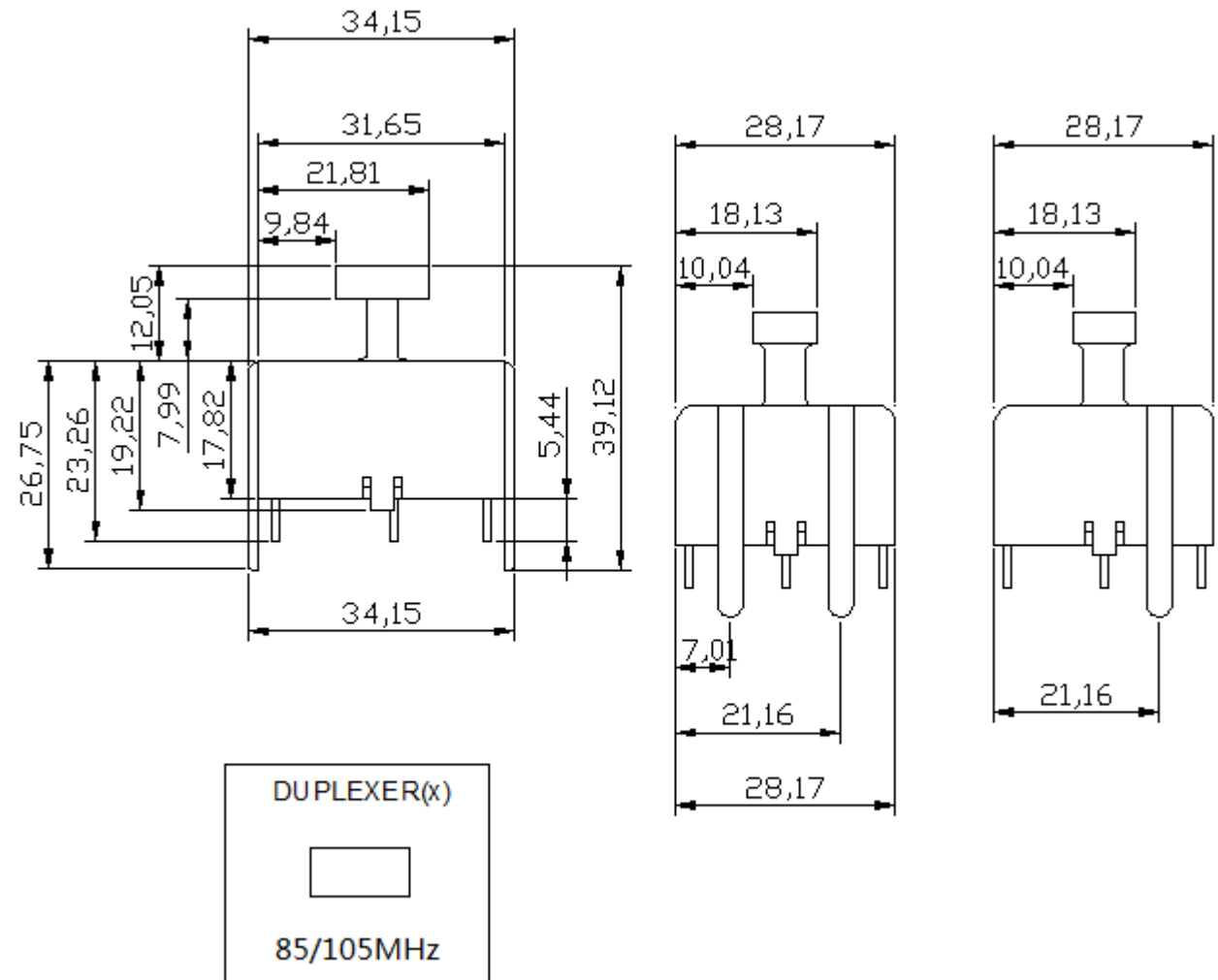


Outline drawing



Suggest pcb design



Tolerance +/-5% Unit mm

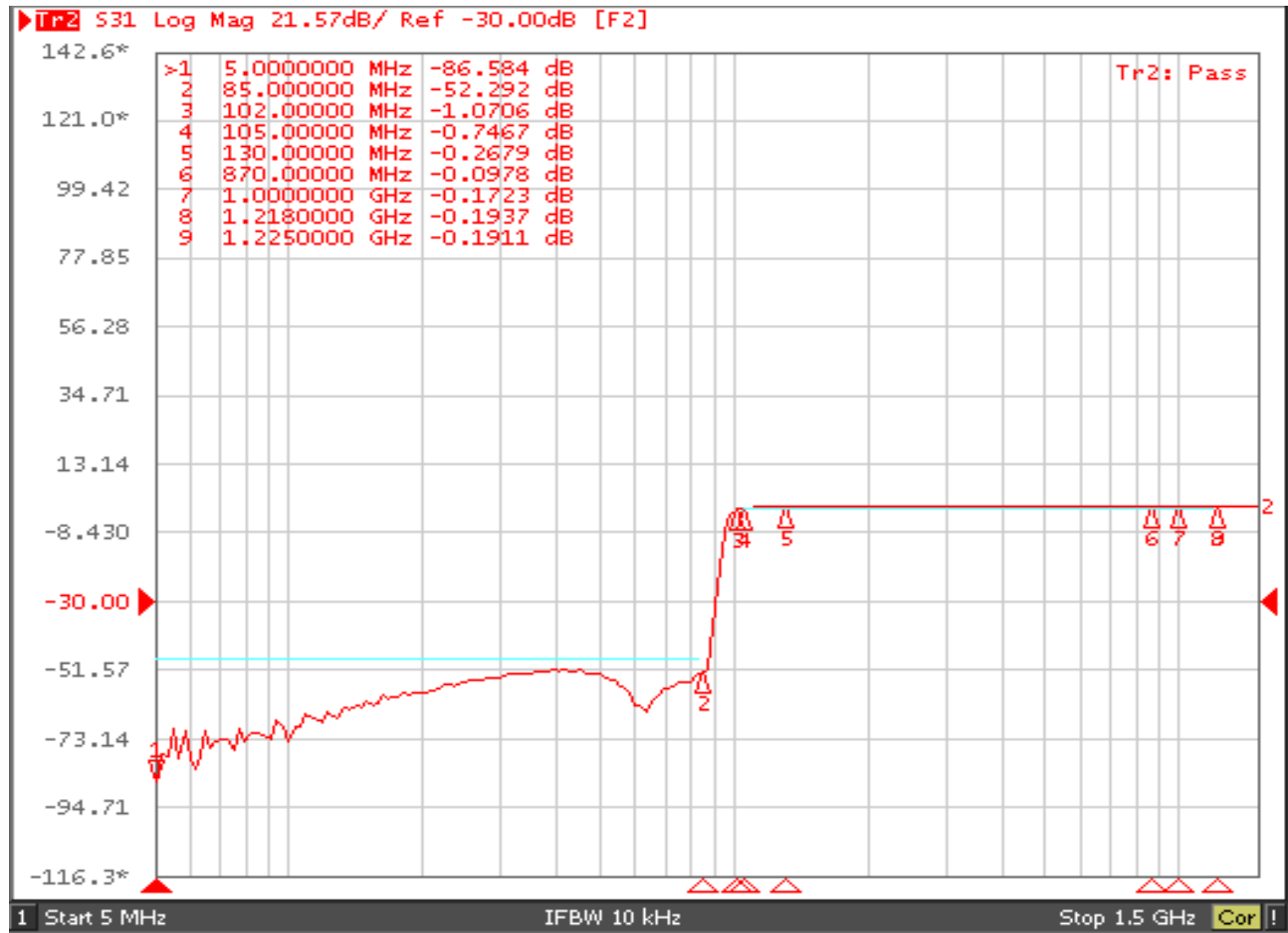
PIN CONFIGURATION

Diplexer	
Pin Number	Function
J1	RF Common Port Connection
J4	RF Low Port Connection relative to pin J1
J6	RF High Port Connection relative to pin J1
J2, J3, J5, J7, J8, J9,	Ground

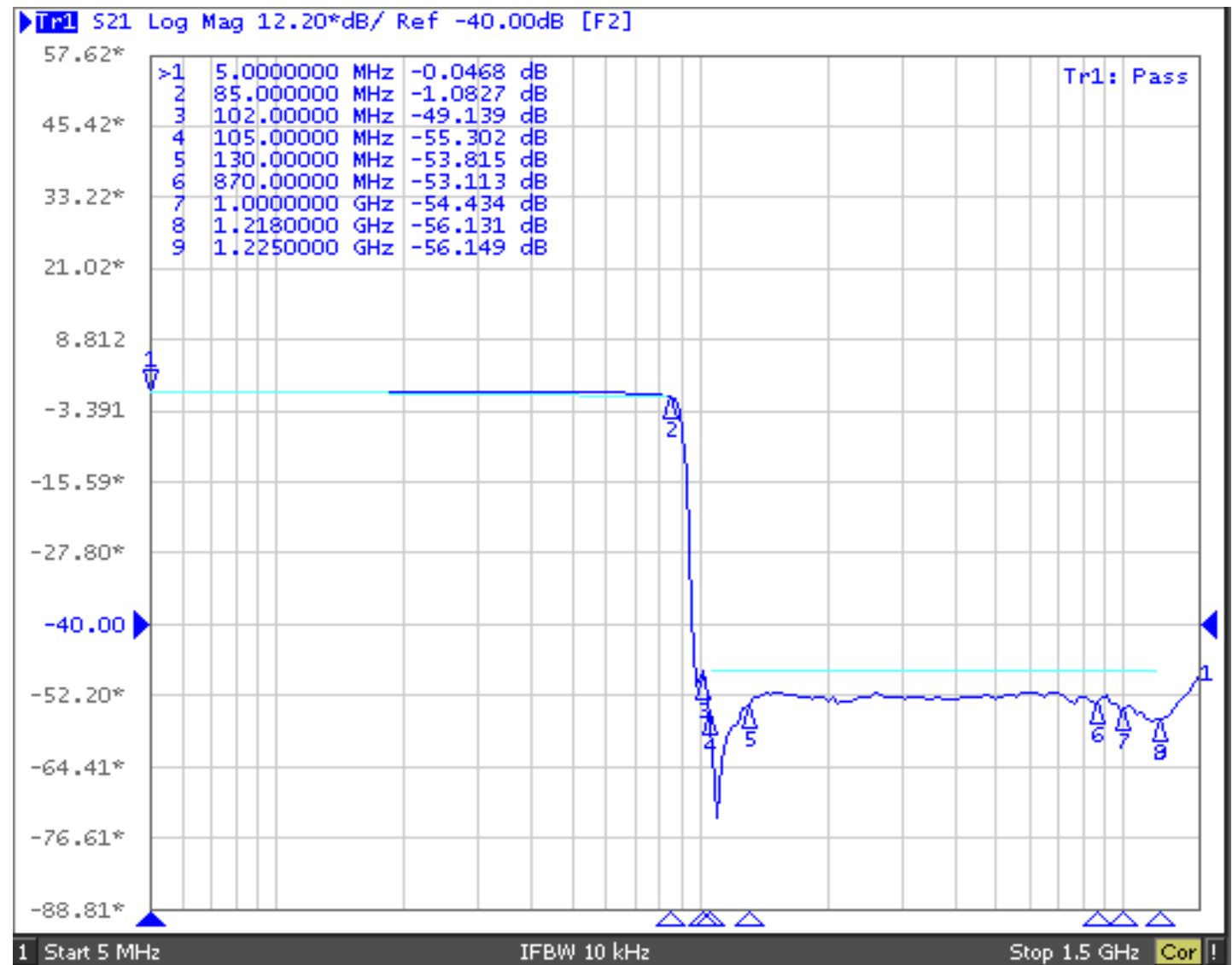
Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Common to Low Pass Port	5MHz	dB	---		0.20
	85MHz	dB	---		1.10
Common to High Pass Port	102MHz	dB	---		1.60
	105MHz	dB	---		1.10
	130MHz	dB	---		0.60
	870MHz	dB	---		0.50
	1218MHz	dB	---		0.60
	1225MHz	dB	---		0.65
Insertion Loss Flatness	5-85MHz 120-1225MHz	dB	---	---	0.4
Isolation	5-85MHz	dB	50	50	---
	85-105MHz	dB	41	---	---
	105-1225MHz	dB	46	50	---
Return Loss Input	5-65MHz	dB	24	30	---
	86-1225MHz	dB	24	27	---
Return Loss Output	5-65MHz	dB	22	28	---
	86-1225MHz	dB	22	25	---
RF Power Rating (max)		250mw			
DC Current Rating (max)		30mA			
Test Impedance (50Ω, 75Ω, etc.)		75OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-40°C to +85°C			

PARAMETER

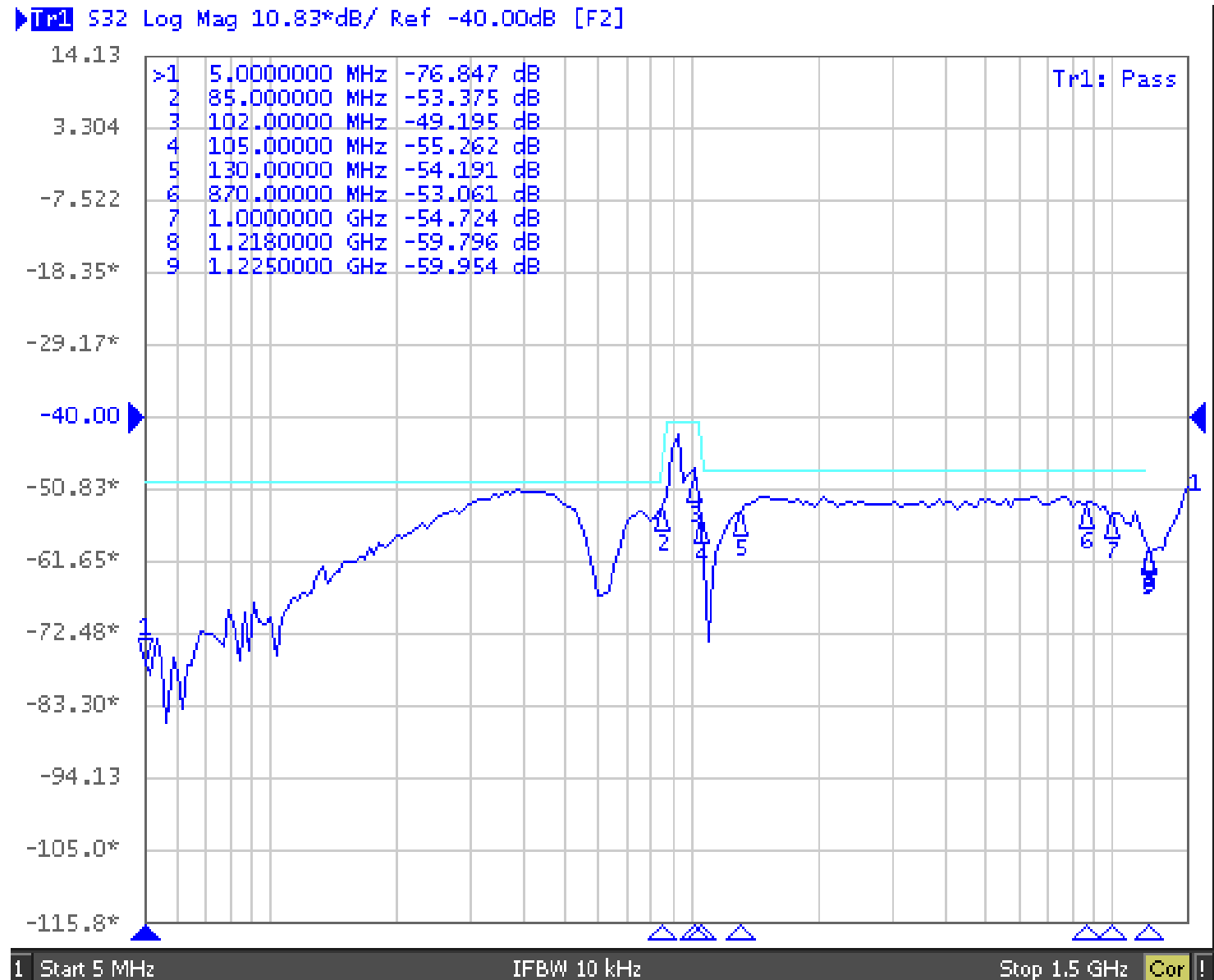
Common to High pass



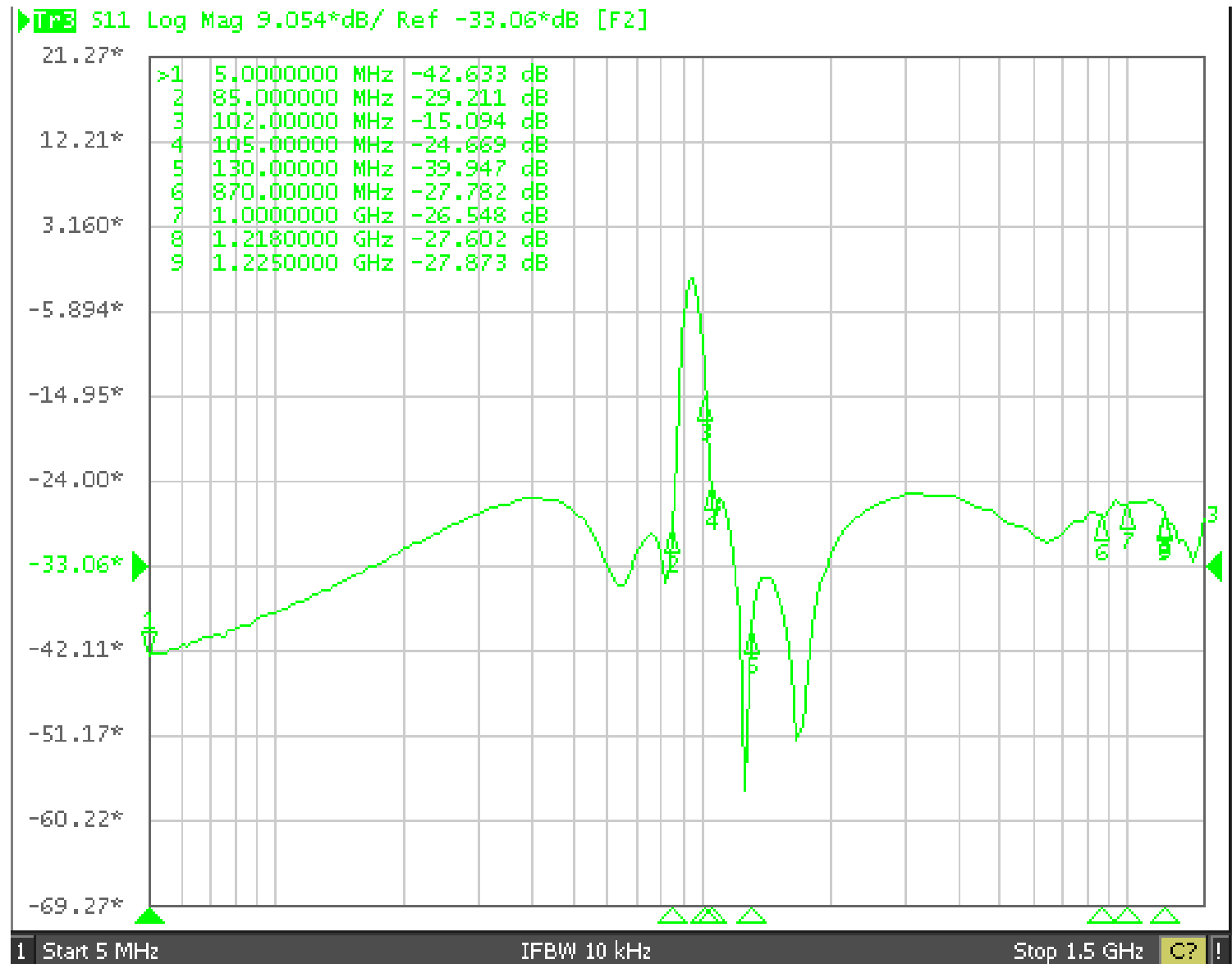
common to low pass



Isolation

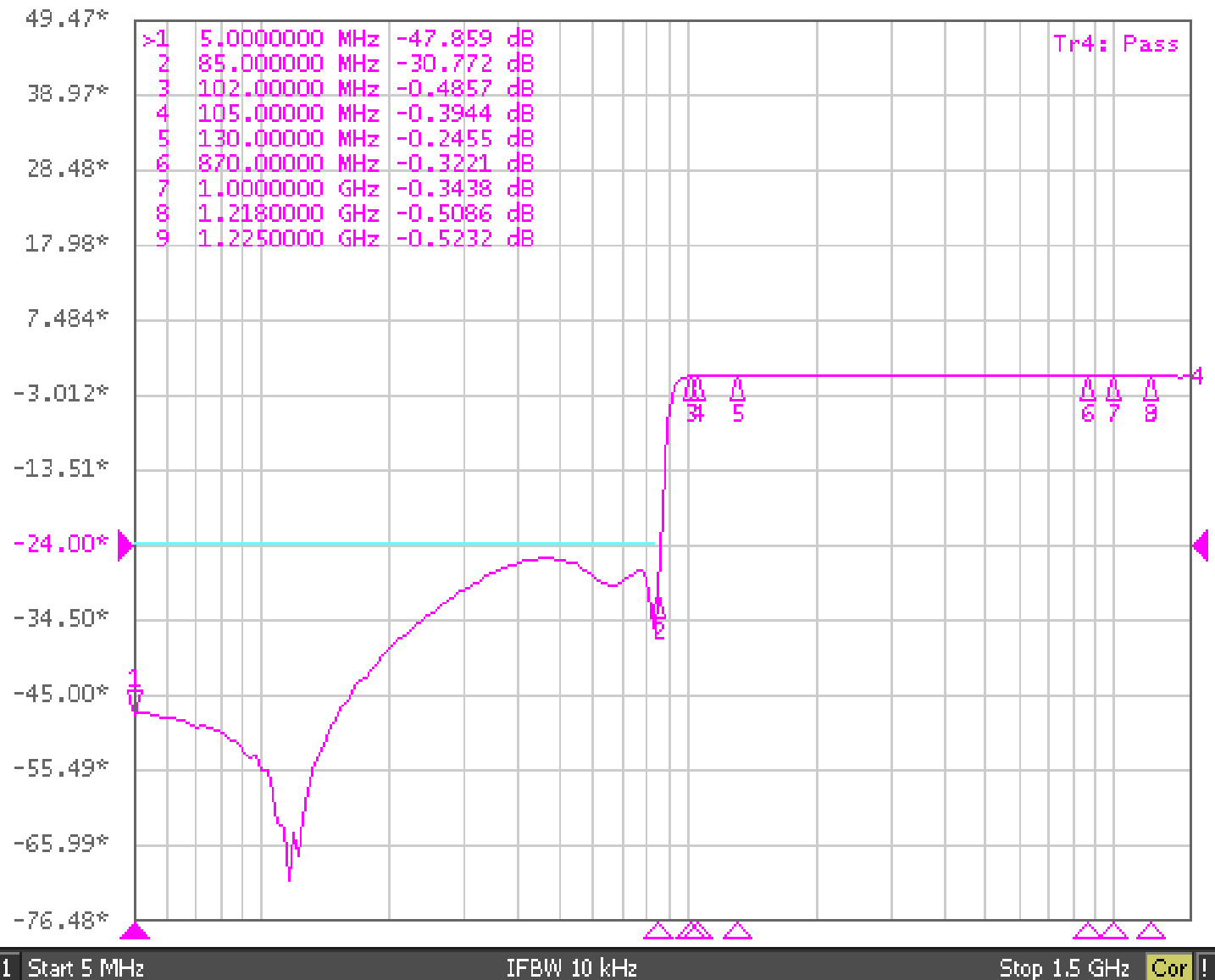


Input Return Loss



Output Return Loss

Tr4 522 Log Mag 10.50*dB/ Ref -24.00*dB [F2]



Output Return Loss

