PRODUCT SPECIFICATION FOR INFORMATION

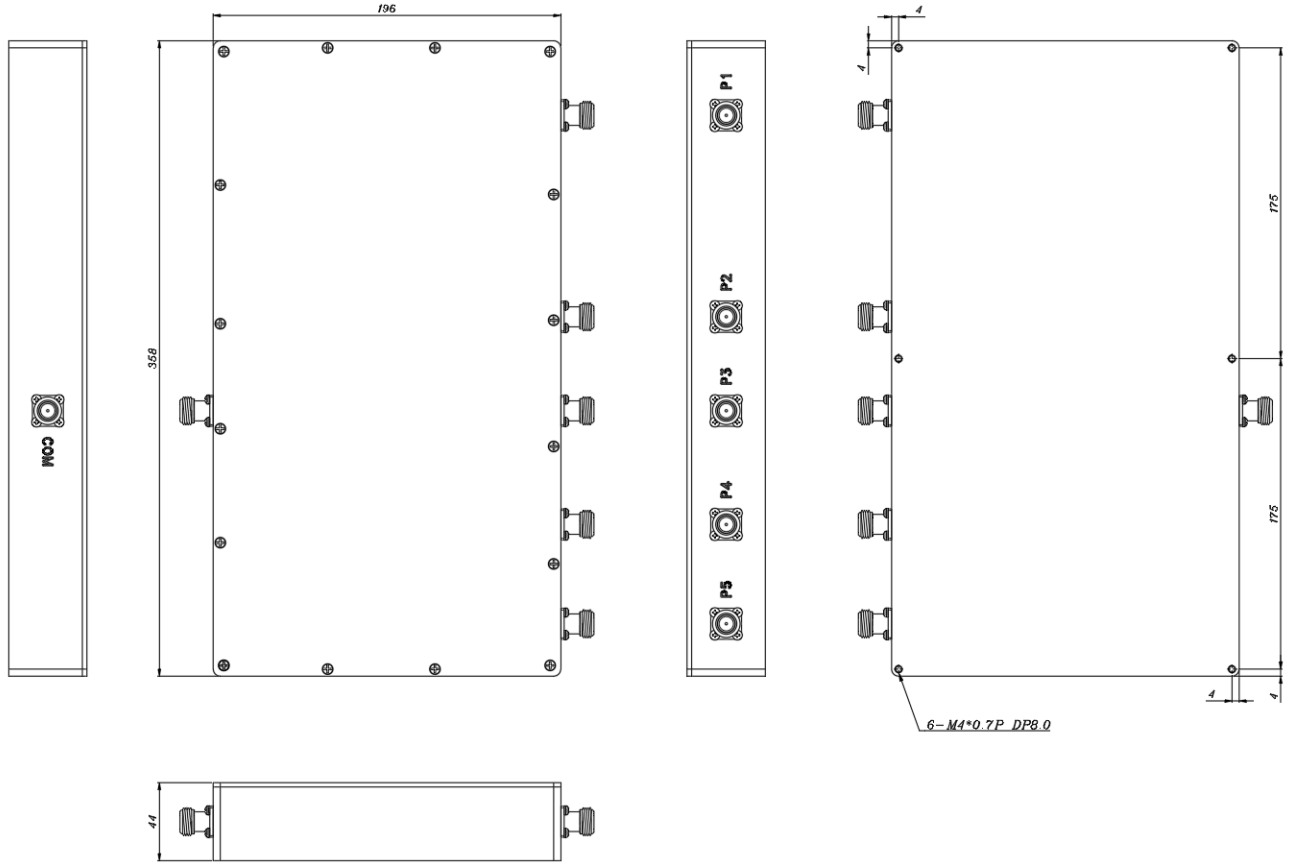
FINAL SPECIFICATION

Product Name : LTE Multiplexer

Part No : MMP-5COM_703-2570MN-A-R2

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.04.12	Jeffrey Chung	Michael Jeon
2	R1	Proposal based on the rejection specification	2024.04.24	Jeffrey Chung	Michael Jeon
3	R2	Change connector(SMA→N)	2024.05.03	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing

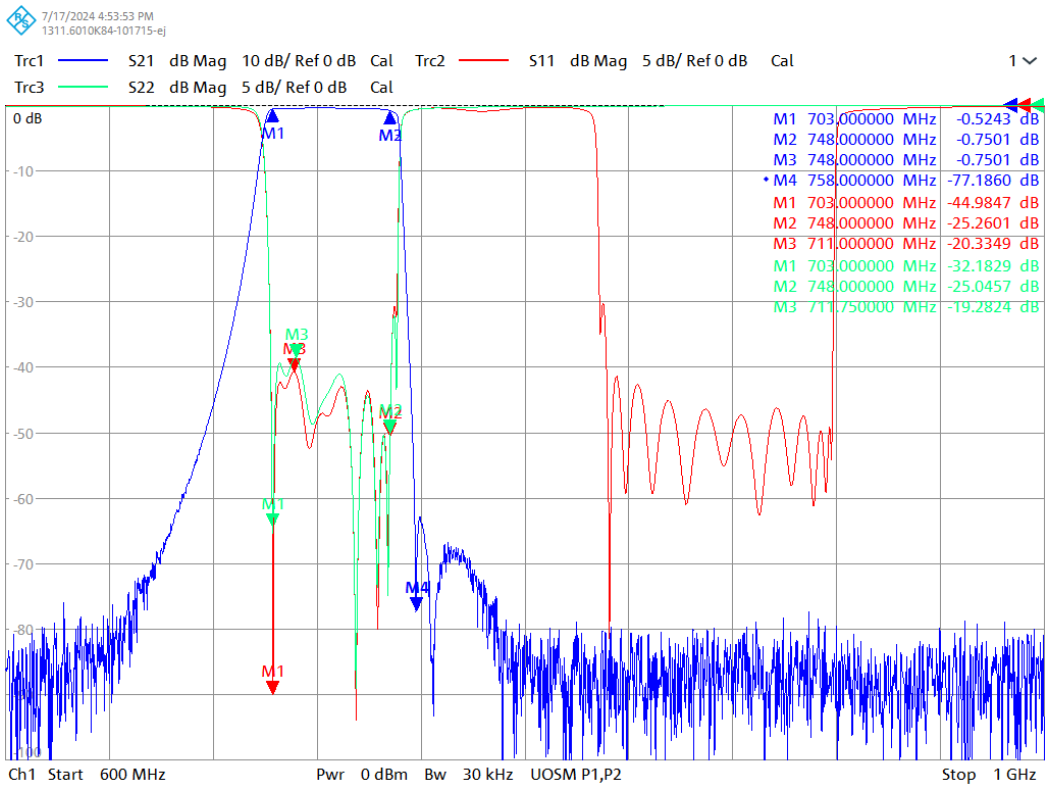


■ Electrical Specification

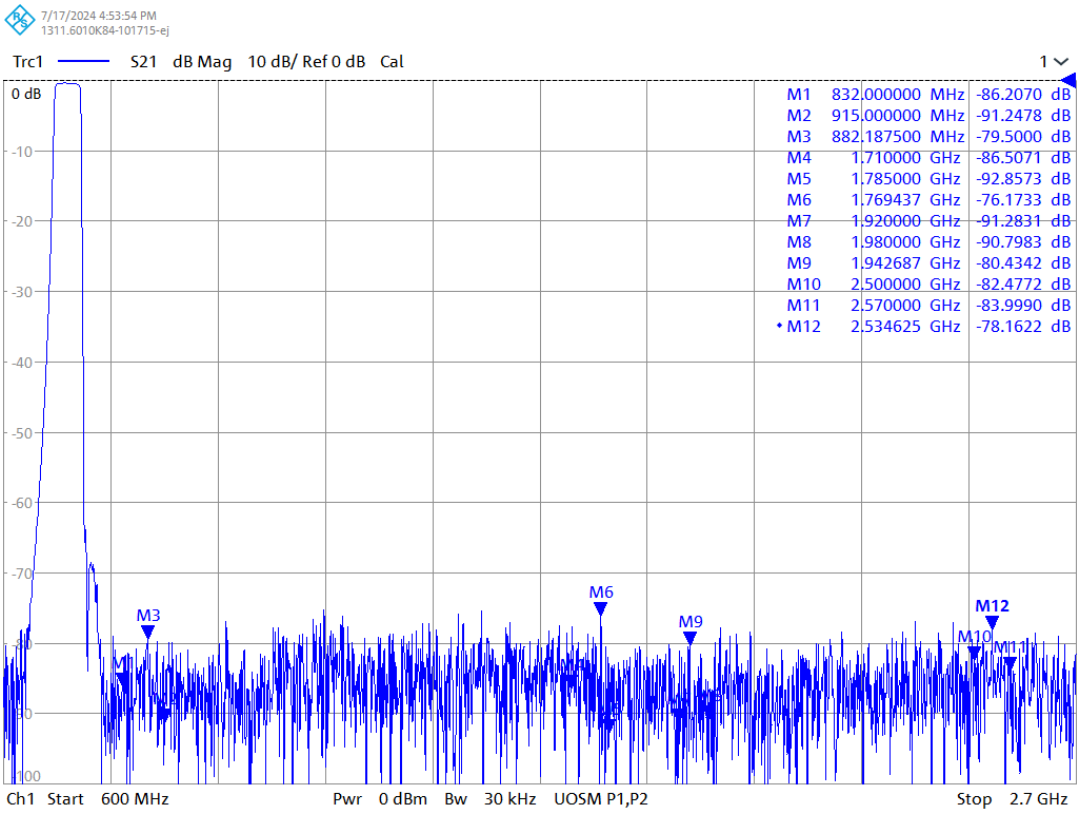
Parameter		Specification	Remark
1. Pass Band Frequency	P1	703MHz~748MHz	
	P2	832MHz~915MHz	
	P3	1710MHz~1785MHz	
	P4	1920MHz~1980MHz	
	P5	2500MHz~2570MHz	
	P6	Combined Port	
2. Insertion Loss (Port 6 ↔ Port 1-5)	P1	0.9dB Max.	
	P2	0.9dB Max.	
	P3	0.8dB Max.	
	P4	0.8dB Max.	
	P5	0.8dB Max.	
3. Input Power	P1	10W Max.	
	P2	10W Max.	
	P3	10W Max.	
	P4	10W Max.	
	P5	10W Max.	
	P6	50W Max.	
4. Return Loss		14dB Min.	
5. Isolation		50dB min @ Port 1-5 ↔ Port 1-5	OK
6. DC by-pass		all inputs - output (unidirectional)	OK
7. Impedance		50Ω	OK
8. Operating temp		-10 ~ +60 °C	OK
9. Dimension		358.0 x 196.0 x 44.0mm(Max.)	
10. Connector		N(F)	OK
11. Finish		Black	OK

Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.

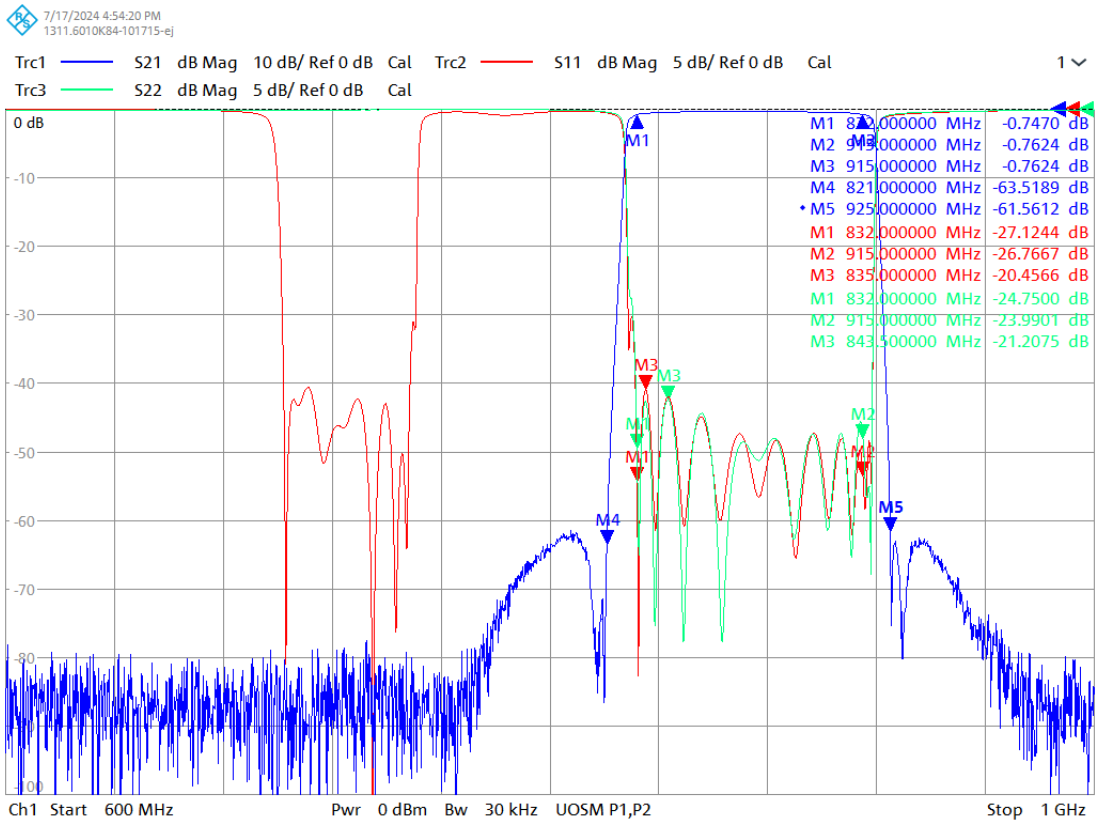
■ Test Curve



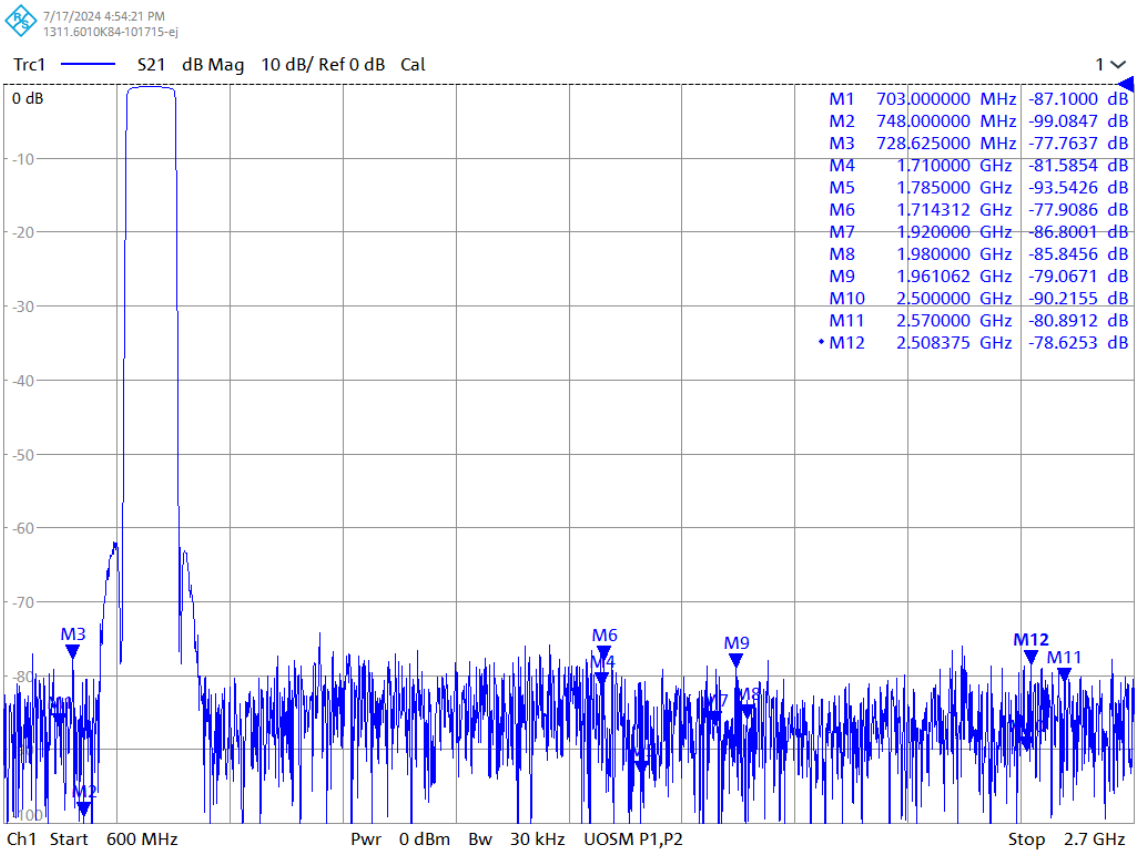
[P1 Main & Rejection]



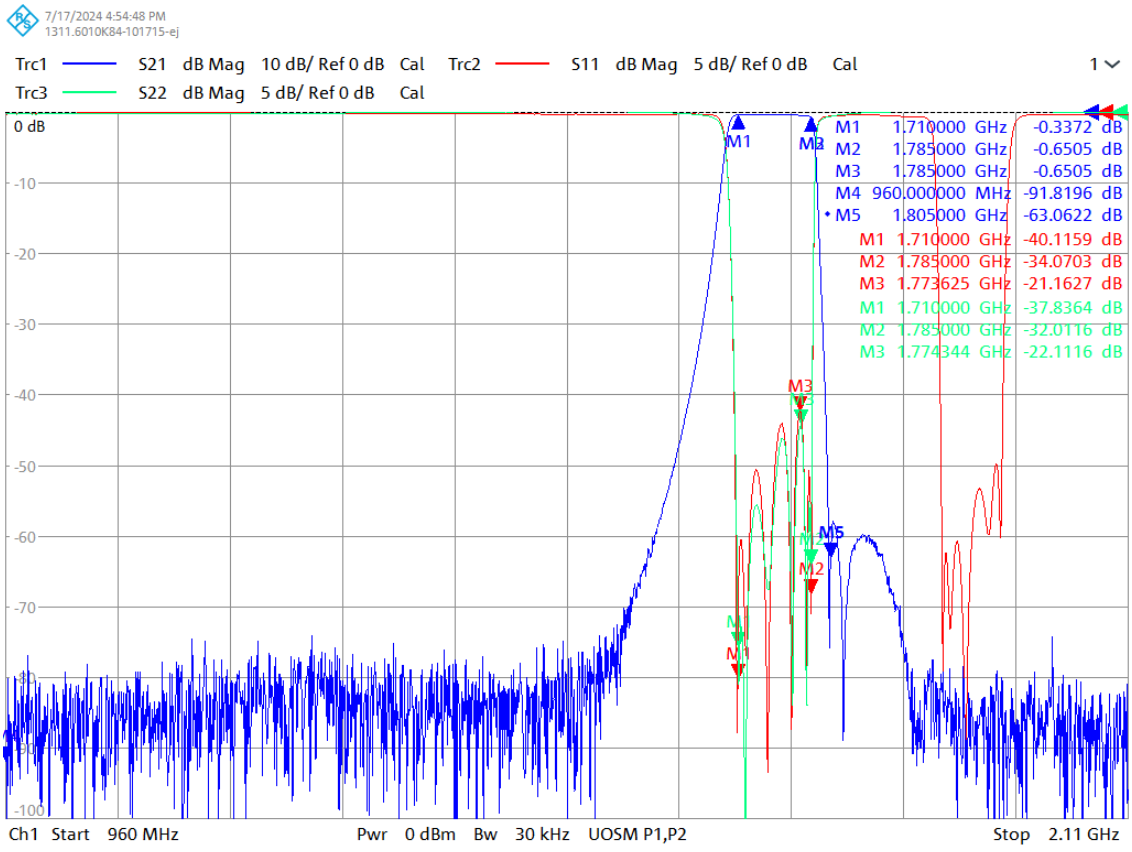
[P1 Isolation]



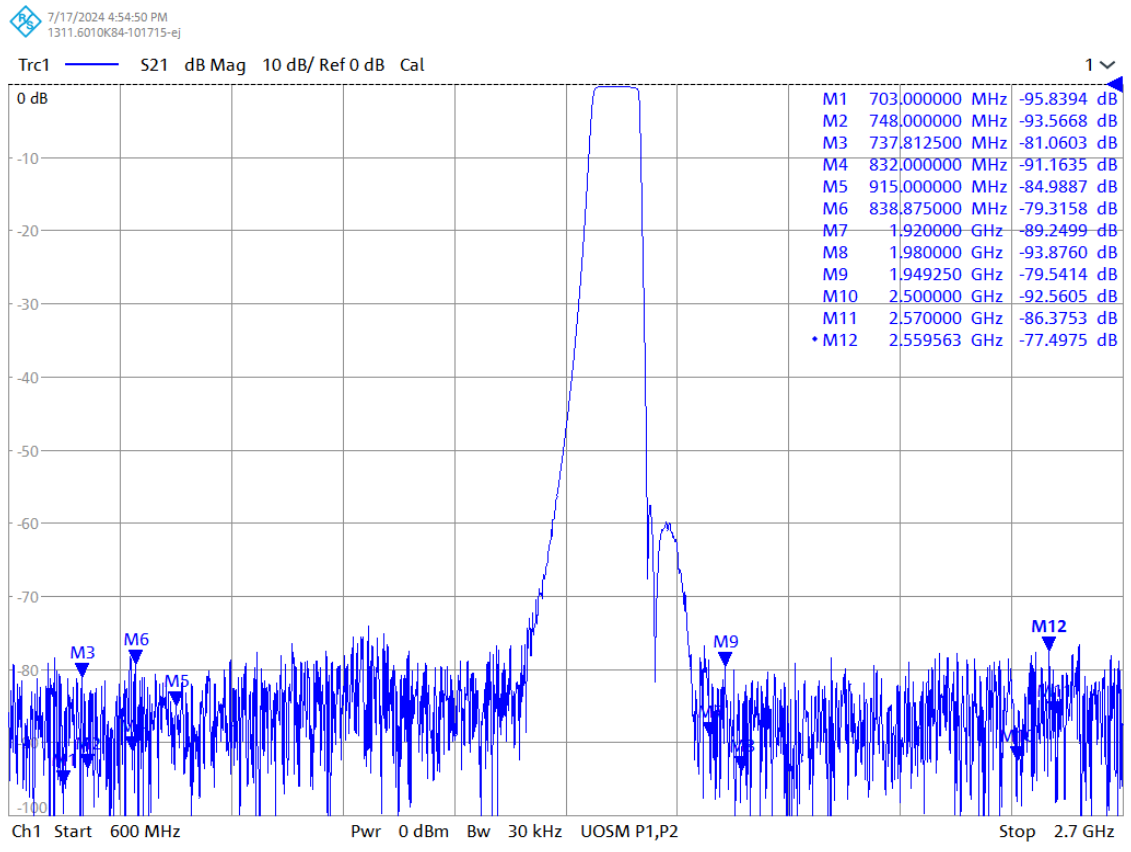
[P2 Main & Rejection]



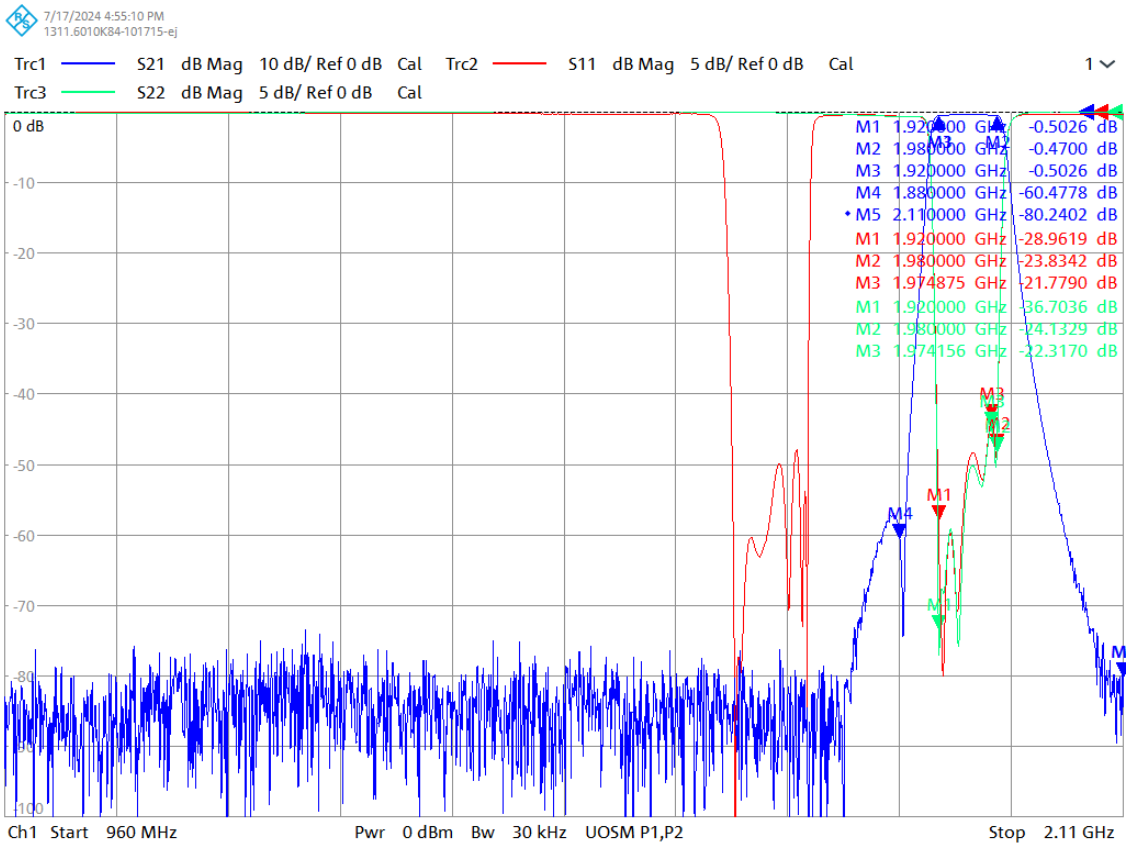
[P2 Isolation]



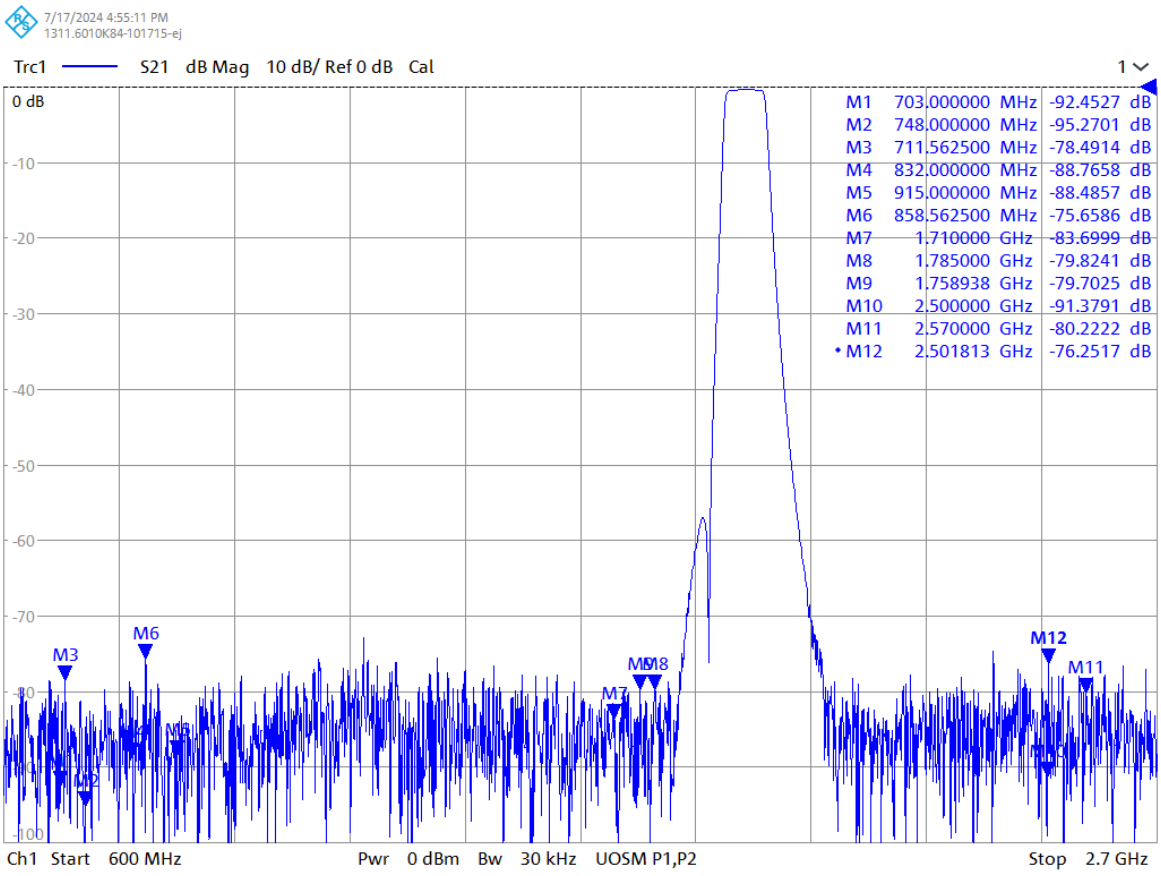
[P3 Main & Rejection]



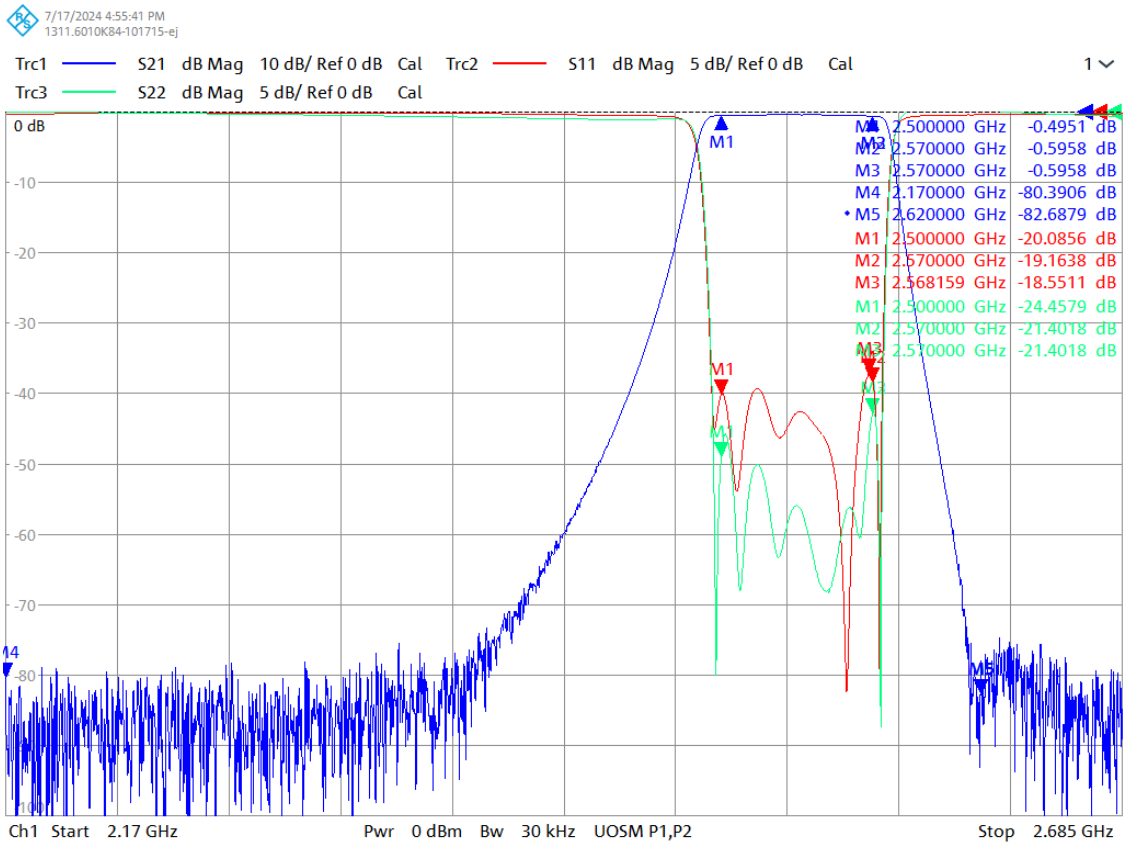
[P3 Isolation]



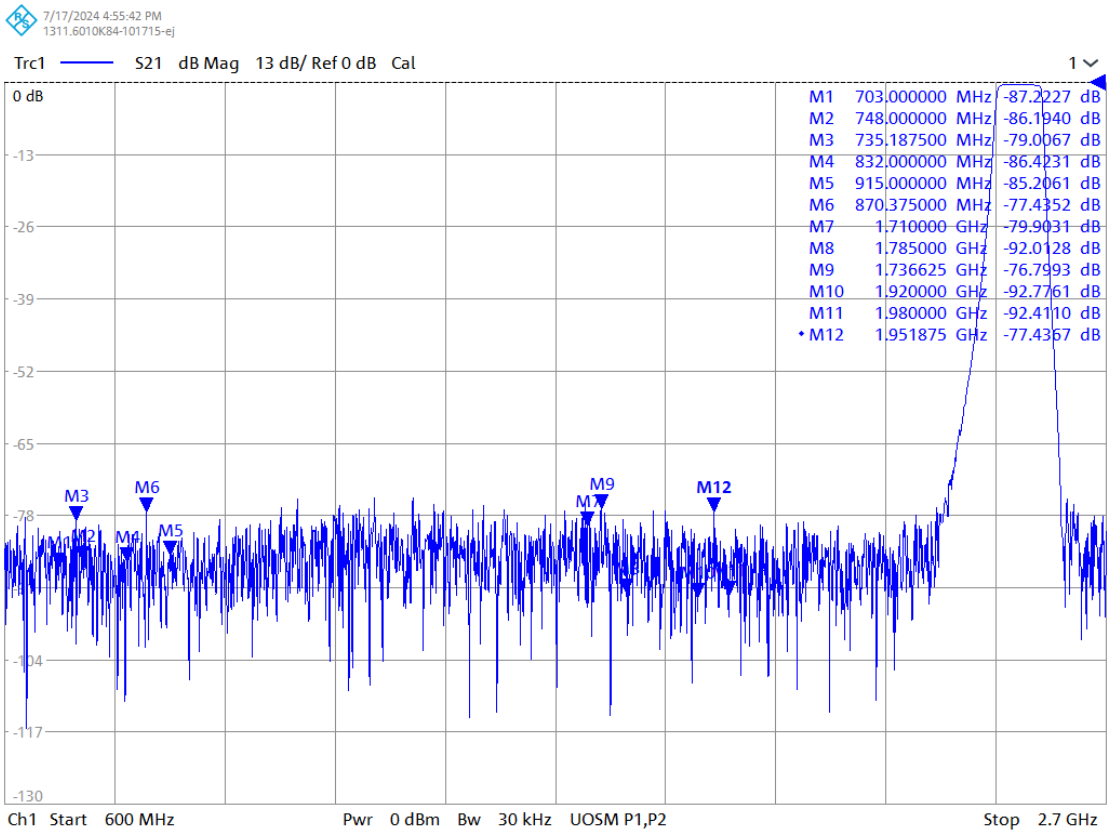
[P4 Main & Rejection]



[Isolation]



[P5 Main & Rejection]



[P5 Isolation]