

TESTING REPORT

500M RF CABLE 7/8"

Date: July 09,2025

Length: 500M

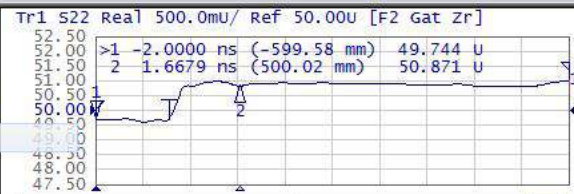
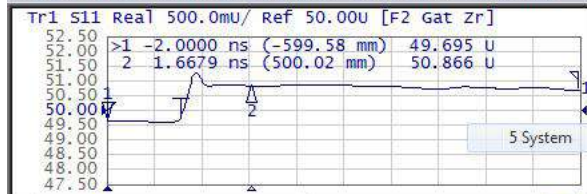
Drum Number: 1#

Description	Standard		Testing Result
Physical Specification			
Center Conductor Diameter	9.00± 0.10mm		9.00mm
Diameter Over Dielectric	22.50± 0.30 mm		22.55mm
Diameter Over Outer Conductor	24.90± 0.30mm		24.74mm
Diameter Over Jacket	27.50± 0.30 mm		27.30mm
Jacket material	PE UV resistant		PE UV resistant
Indentification Marking	VICOM RF FEEDER CABLE 7/8” 06/2025 xxxxM		
Electrical Specification			
Impedance	50± 2 Ohms		50.17 ohms
Return Loss	690～960MHz	≤1.15	1.07
	1700～2700MHz	≤1.15	1.12
	3300～4200MHz	≤1.20	1.17
	4400～5000MHz	≤1.20	1.16
Attenuation（20℃）dB/100m	200MHz	≤1.77	1.73
	450MHz	≤2.78	2.68
	800MHz	≤3.82	3.69
	900MHz	≤4.05	3.95
	1800MHz	≤6.05	5.89
	2000MHz	≤6.43	6.27
	2200MHz	≤6.78	6.63
	2500MHz	≤7.32	7.17
	2700MHz	≤7.64	7.50
	3000MHz	≤8.15	8.01
	3500MHz	≤8.77	8.65
	4000MHz	≤9.54	9.47
	5000MHz	≤10.98	10.85
Minimum Bend Radius in (mm)	15.2cm (1 time)		Pass
Final Conclusion：	QC PASS		

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize



Trigger

Hold

Single

Continuous

Hold

All Channels

Continuous

Disp Channels

Trigger Source

Internal

Trigger Event

On Sweep

Trigger Scope

All Channel

Restart

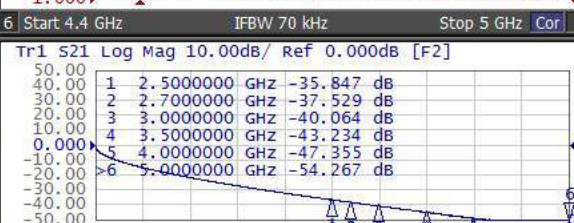
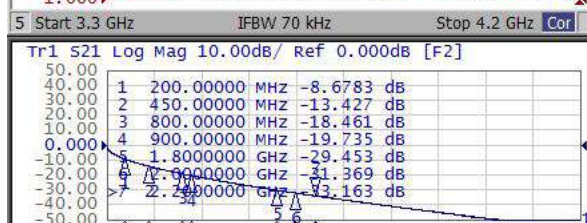
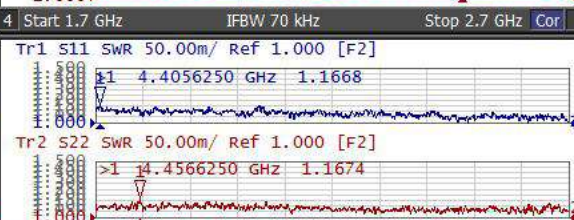
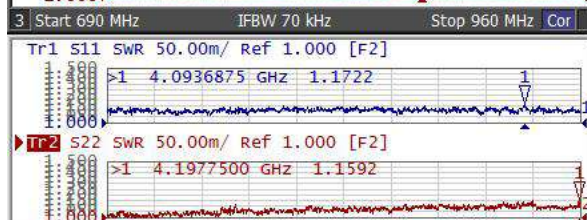
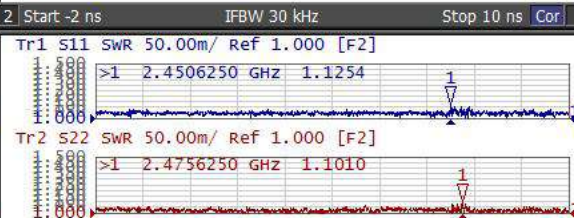
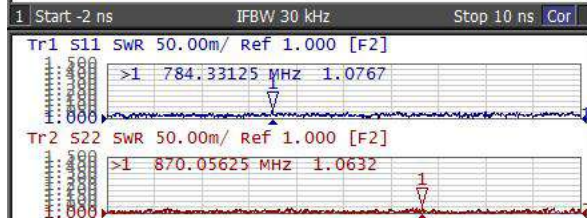
Trigger

Ext Trig Input

Negative Edge

Trigger Delay

0.0000 s



Hold Stop ExtRef Svc 2025-07-07 19:45

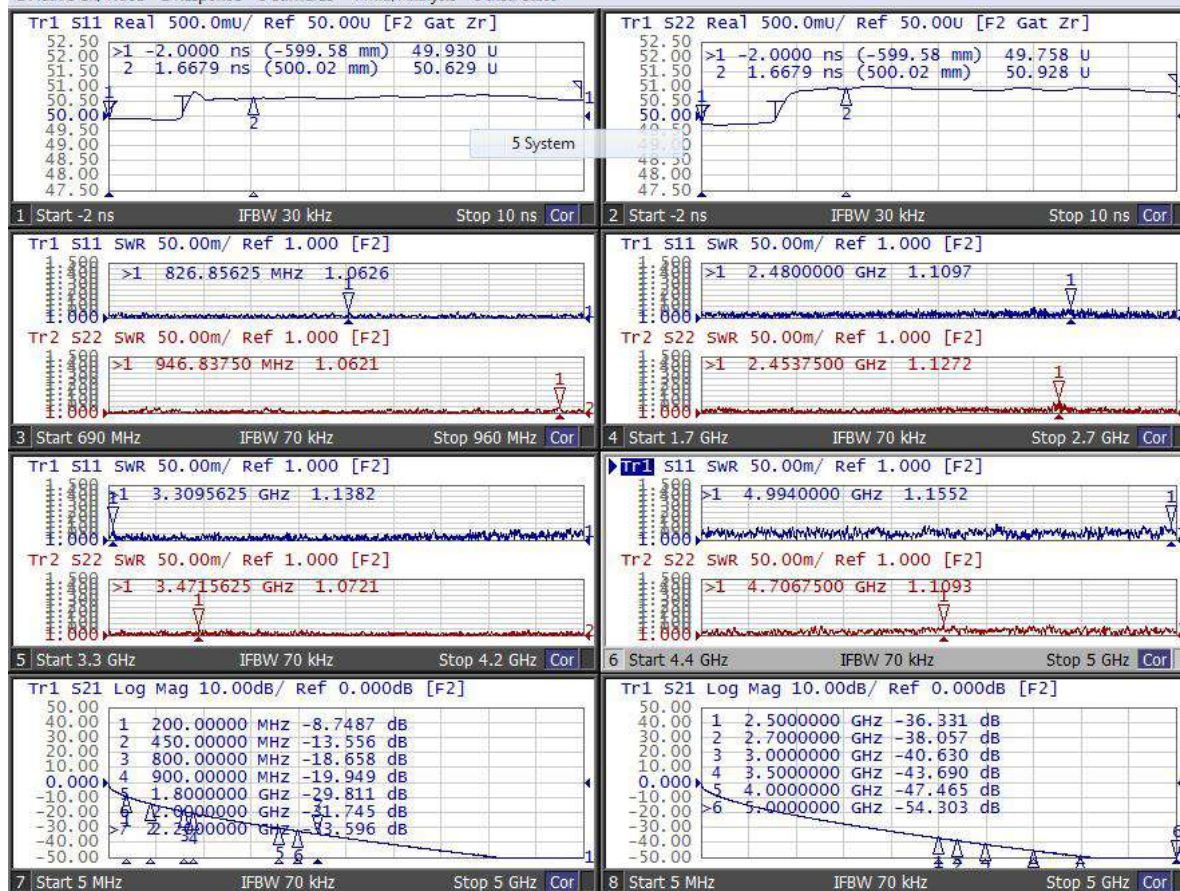
TESTING REPORT **500M RF CABLE 7/8”**

Date: July 09,2025

Length: 500M

Drum Number: 2#

Description	Standard		Testing Result
Physical Specification			
Center Conductor Diameter	9.00± 0.10mm		9.00mm
Diameter Over Dielectric	22.50± 0.30 mm		22.55mm
Diameter Over Outer Conductor	24.90± 0.30mm		24.74mm
Diameter Over Jacket	27.50± 0.30 mm		27.30mm
Jacket material	PE UV Resistant		PE UV Resistant
Indentification Marking	VICOM RF FEEDER CABLE 7/8” 06/2025 xxxxM		
Electrical Specification			
Impedance	50± 2 Ohms		50.17 ohms
Return Loss	690～960MHz	≤1.15	1.06
	1700～2700MHz	≤1.15	1.12
	3300～4200MHz	≤1.20	1.13
	4400～5000MHz	≤1.20	1.15
Attenuation（20℃）dB/100m	200MHz	≤1.77	1.75
	450MHz	≤2.78	2.71
	800MHz	≤3.82	3.73
	900MHz	≤4.05	3.99
	1800MHz	≤6.05	5.96
	2000MHz	≤6.43	6.35
	2200MHz	≤6.78	6.72
	2500MHz	≤7.32	7.27
	2700MHz	≤7.64	7.61
	3000MHz	≤8.15	8.13
	3500MHz	≤8.77	8.74
	4000MHz	≤9.54	9.49
	5000MHz	≤10.98	10.86
Minimum Bend Radius in (mm)	15.2cm (1 time)		Pass
Final Conclusion：	QC PASS		



Trigger

Hold

Single

Continuous

Hold All Channels

Continuous Disp Channels

Trigger Source Internal

Trigger Event On Sweep

Trigger Scope All Channel

Restart

Trigger

Ext Trig Input Negative Edge

Trigger Delay 0.0000 s

TESTING REPORT

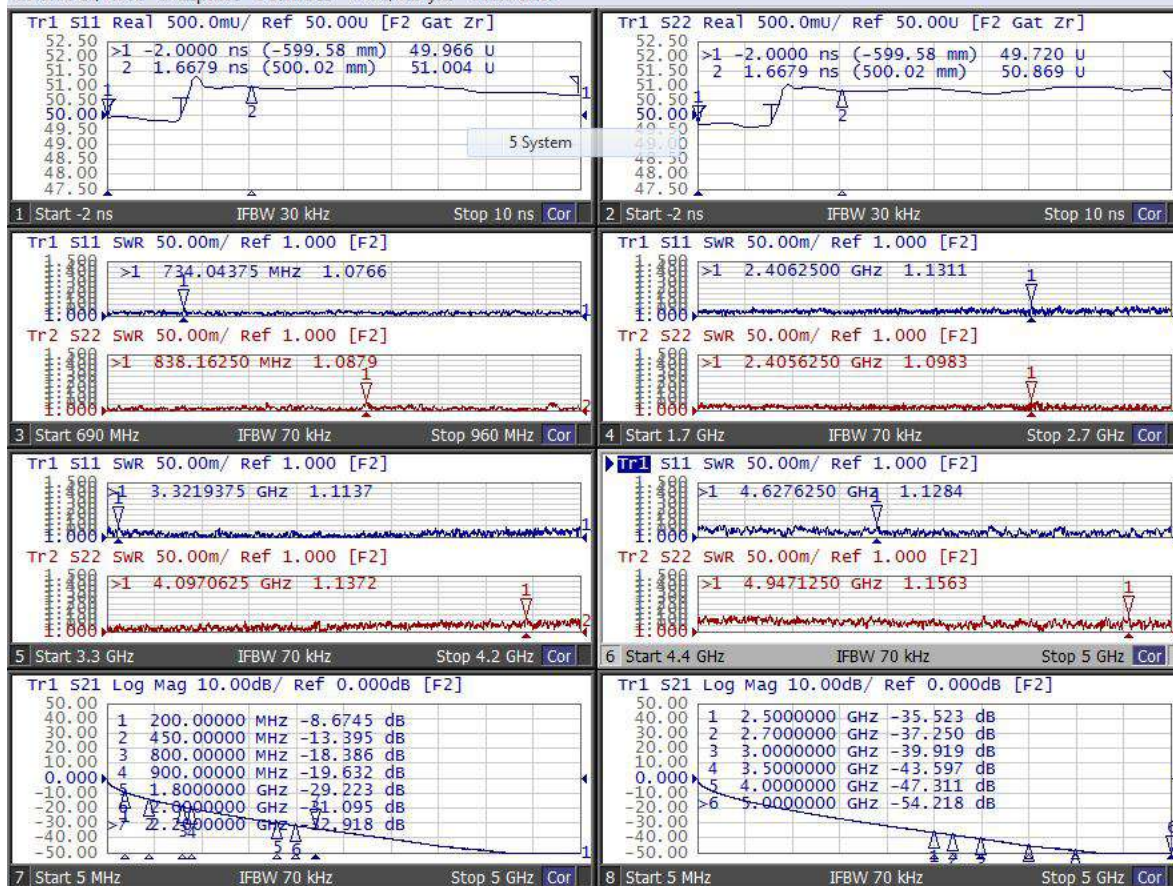
500M RF CABLE 7/8"

Date: July 09,2025

Length: 500M

Drum Number:3#

Description	Standard		Testing Result
Physical Specification			
Center Conductor Diameter	9.00± 0.10mm		9.00mm
Diameter Over Dielectric	22.50± 0.30 mm		22.55mm
Diameter Over Outer Conductor	24.90± 0.30mm		24.74mm
Diameter Over Jacket	27.50± 0.30 mm		27.30mm
Jacket material	PE UV resistant		PE UV resistant
Indentification Marking	VICOM RF FEEDER CABLE 7/8” 06/2025 xxxxM		
Electrical Specification			
Impedance	50± 2 Ohms		51.14 ohms
Return Loss	690～960MHz	≤1.15	1.08
	1700～2700MHz	≤1.15	1.13
	3300～4200MHz	≤1.20	1.13
	4400～5000MHz	≤1.20	1.15
Attenuation（20℃）dB/100m	200MHz	≤1.77	1.73
	450MHz	≤2.78	2.68
	800MHz	≤3.82	3.68
	900MHz	≤4.05	3.93
	1800MHz	≤6.05	5.84
	2000MHz	≤6.43	6.22
	2200MHz	≤6.78	6.58
	2500MHz	≤7.32	7.10
	2700MHz	≤7.64	7.45
	3000MHz	≤8.15	7.98
	3500MHz	≤8.77	8.72
	4000MHz	≤9.54	9.46
	5000MHz	≤10.98	10.84
Minimum Bend Radius in (mm)	15.2cm (1 time)		Pass
Final Conclusion：	QC PASS		



Trigger

Hold

Single

Continuous

Hold
All ChannelsContinuous
Disp ChannelsTrigger Source
InternalTrigger Event
On SweepTrigger Scope
All Channel

Restart

Trigger

Ext Trig Input
Negative EdgeTrigger Delay
0.0000 s

TESTING REPORT

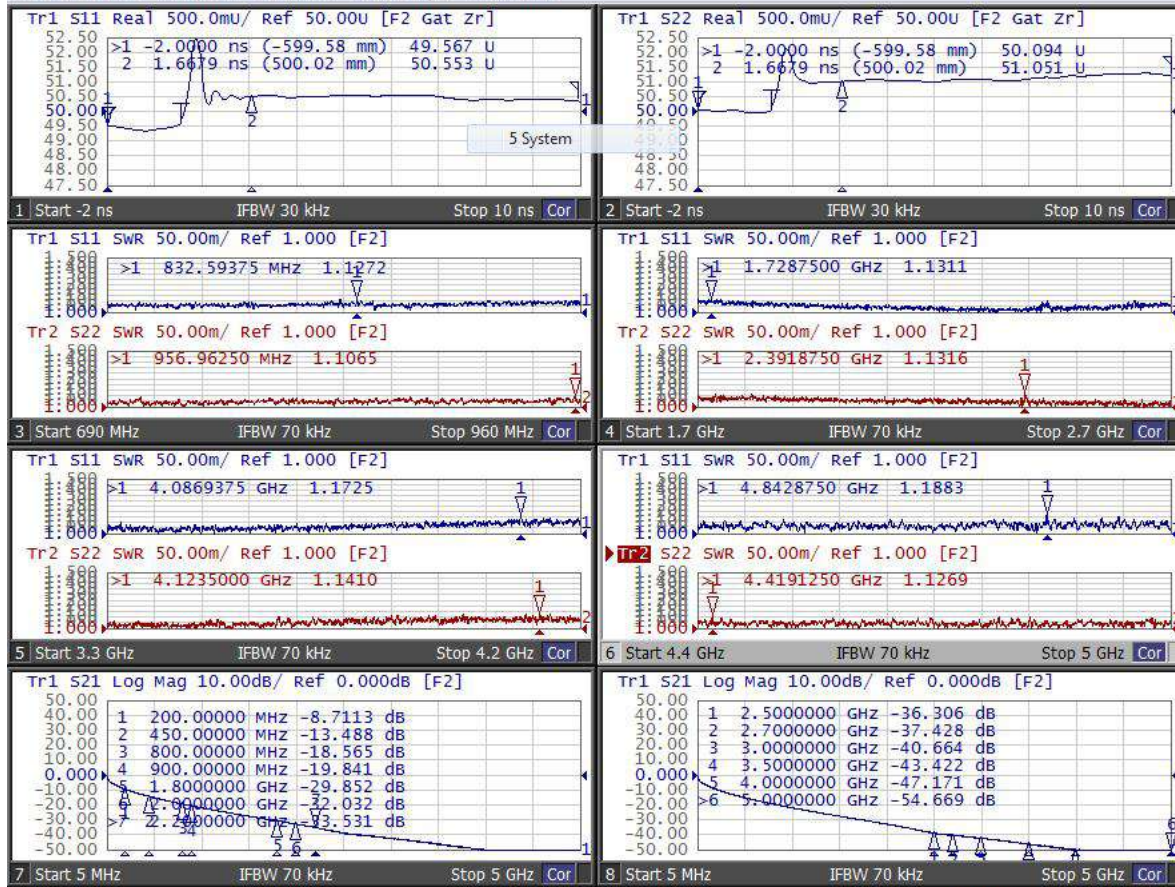
500M RF CABLE 7/8"

Date: July 09,2025

Length: 500M

Drum Number: 4#

Description	Standard		Testing Result
Physical Specification			
Center Conductor Diameter	9.00± 0.10mm		9.00mm
Diameter Over Dielectric	22.50± 0.30 mm		22.55mm
Diameter Over Outer Conductor	24.90± 0.30mm		24.74mm
Diameter Over Jacket	27.50± 0.30 mm		27.30mm
Jacket material	PE UV resistant		PE UV resistant
Indentification Marking	VICOM RF FEEDER CABLE 7/8” 06/2025 xxxxM		
Electrical Specification			
Impedance	50± 2 Ohms		50.99 ohms
Return Loss	690～960MHz	≤1.15	1.12
	1700～2700MHz	≤1.15	1.13
	3300～4200MHz	≤1.20	1.17
	4400～5000MHz	≤1.20	1.18
Attenuation（20℃）dB/100m	200MHz	≤1.77	1.74
	450MHz	≤2.78	2.70
	800MHz	≤3.82	3.71
	900MHz	≤4.05	3.97
	1800MHz	≤6.05	5.97
	2000MHz	≤6.43	6.41
	2200MHz	≤6.78	6.71
	2500MHz	≤7.32	7.26
	2700MHz	≤7.64	7.48
	3000MHz	≤8.15	8.13
	3500MHz	≤8.77	8.68
	4000MHz	≤9.54	9.43
	5000MHz	≤10.98	10.93
Minimum Bend Radius in (mm)	15.2cm (1 time)		Pass
Final Conclusion：	QC PASS		



Trigger

Hold

Single

Continuous

Hold

All Channels

Continuous

Disp Channels

Trigger Source

Internal

Trigger Event

On Sweep

Trigger Scope

All Channel

Restart

Trigger

Ext Trig Input

Negative Edge

Trigger Delay

0.0000 s

Hold Stop ExtRef Svc 2025-07-07 19:34

TESTING REPORT

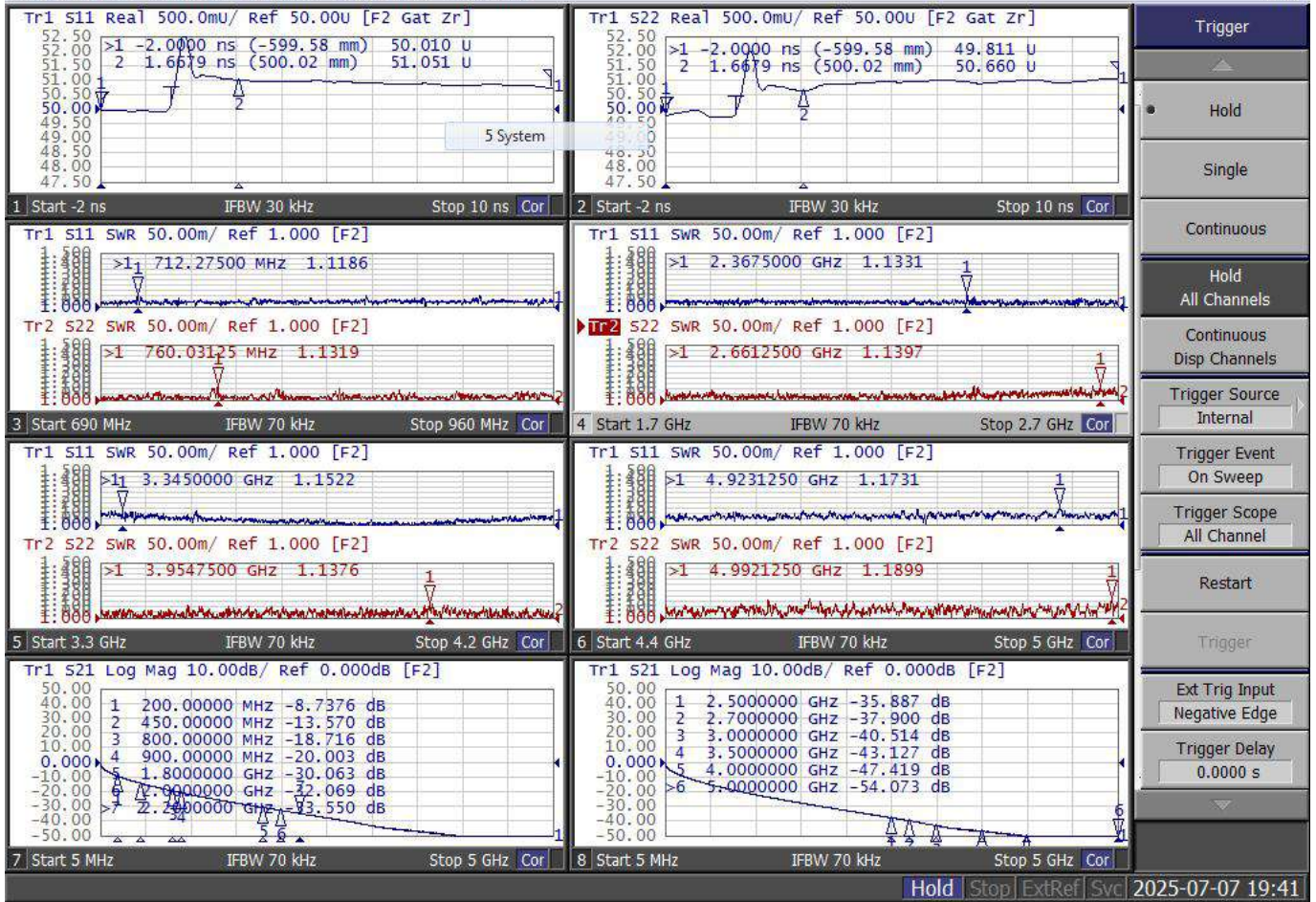
500M RF CABLE 7/8"

Date: July 09,2025

Length: 500M

Drum Number: 5#

Description	Standard		Testing Result
Physical Specification			
Center Conductor Diameter	9.00± 0.10mm		9.00mm
Diameter Over Dielectric	22.50± 0.30 mm		22.55mm
Diameter Over Outer Conductor	24.90± 0.30mm		24.74mm
Diameter Over Jacket	27.50± 0.30 mm		27.30mm
Jacket material	PE UV resistant		PE UV resistant
Indentification Marking	VICOM RF FEEDER CABLE 7/8” 06/2025 xxxxM		
Electrical Specification			
Impedance	50± 2 Ohms		51.04 ohms
Return Loss	690～960MHz	≤1.15	1.13
	1700～2700MHz	≤1.15	1.13
	3300～4200MHz	≤1.20	1.15
	4400～5000MHz	≤1.20	1.18
Attenuation（20℃）dB/100m	200MHz	≤1.77	1.75
	450MHz	≤2.78	2.71
	800MHz	≤3.82	3.74
	900MHz	≤4.05	4.00
	1800MHz	≤6.05	6.01
	2000MHz	≤6.43	6.41
	2200MHz	≤6.78	6.71
	2500MHz	≤7.32	7.18
	2700MHz	≤7.64	7.58
	3000MHz	≤8.15	8.10
	3500MHz	≤8.77	8.62
	4000MHz	≤9.54	9.48
	5000MHz	≤10.98	10.81
Minimum Bend Radius in (mm)	15.2cm (1 time)		Pass
Final Conclusion：	QC PASS		



TESTING REPORT

500M RF CABLE 7/8"

Date: July 09,2025

Length: 500M

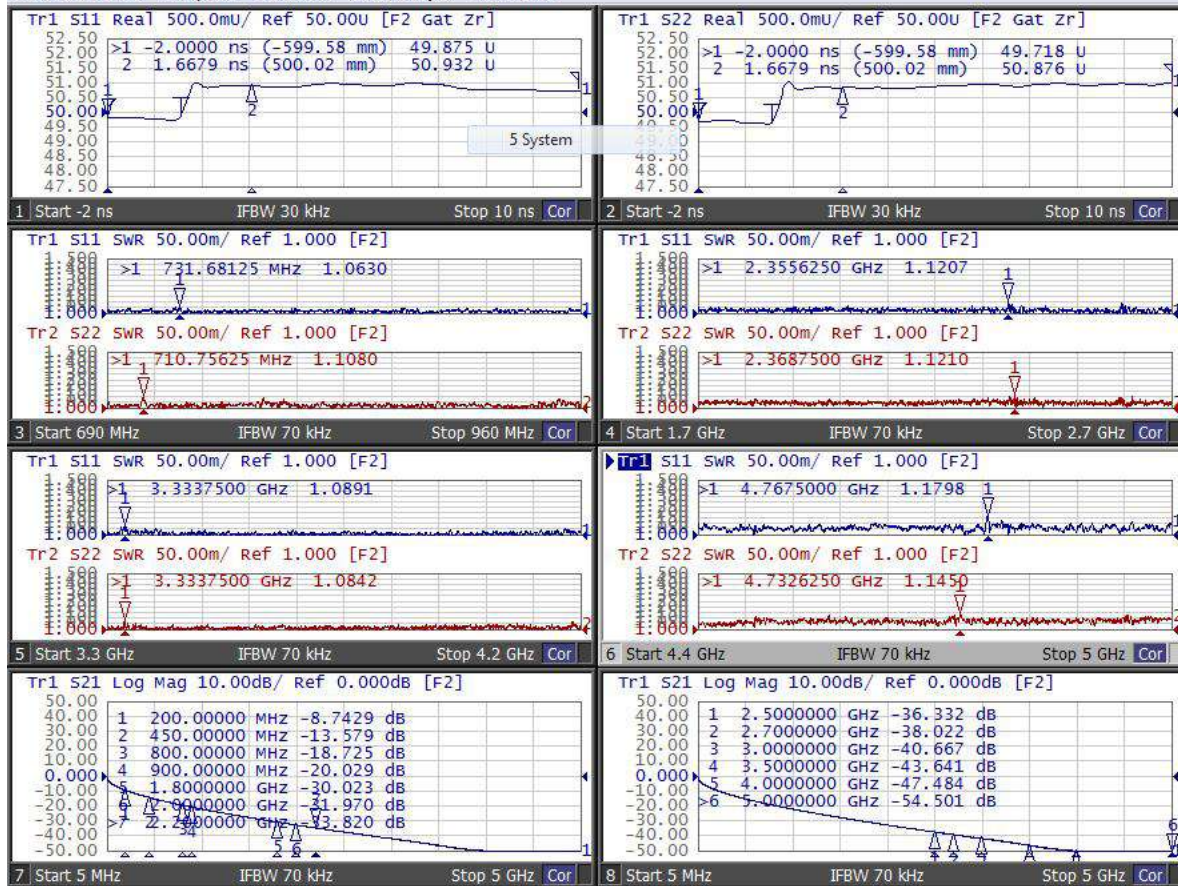
Drum Number: 6#

Description	Standard		Testing Result
Physical Specification			
Center Conductor Diameter	9.00± 0.10mm		9.00mm
Diameter Over Dielectric	22.50± 0.30 mm		22.55mm
Diameter Over Outer Conductor	24.90± 0.30mm		24.74mm
Diameter Over Jacket	27.50± 0.30 mm		27.30mm
Jacket material	PE UV resistant		PE UV resistant
Indentification Marking	VICOM RF FEEDER CABLE 7/8” 06/2025 xxxxM		
Electrical Specification			
Impedance	50± 2 Ohms		51.16 ohms
Return Loss	690～960MHz	≤1.15	1.10
	1700～2700MHz	≤1.15	1.12
	3300～4200MHz	≤1.20	1.08
	4400～5000MHz	≤1.20	1.17
Attenuation（20℃）dB/100m	200MHz	≤1.77	1.75
	450MHz	≤2.78	2.71
	800MHz	≤3.82	3.74
	900MHz	≤4.05	4.00
	1800MHz	≤6.05	6.00
	2000MHz	≤6.43	6.39
	2200MHz	≤6.78	6.76
	2500MHz	≤7.32	7.27
	2700MHz	≤7.64	7.60
	3000MHz	≤8.15	8.13
	3500MHz	≤8.77	8.73
	4000MHz	≤9.54	9.50
	5000MHz	≤10.98	10.90
Minimum Bend Radius in (mm)	15.2cm (1 time)		Pass
Final Conclusion：	QC PASS		

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize



Trigger

Hold

Single

Continuous

Hold

All Channels

Continuous

Disp Channels

Trigger Source

Internal

Trigger Event

On Sweep

Trigger Scope

All Channel

Restart

Trigger

Ext Trig Input

Negative Edge

Trigger Delay

0.0000 s

Hold Stop ExtRef Svc 2025-07-07 19:47