



SUMMARY TEST DATA
ON
P2T-6G18G-40-R 570-TFF-1D6KW-120W

Customer: _____
 SO No: _____
 Model No: **P2T-6G18G-40-R 570-TFF-1D6KW-120W**
 Serial No: **DEMO-PMI**

Tested By: **A. Lopez**
 Temperature: **+25°C, -40°C, +85°C**
 Date: **2/3/2020**
 Drawing No: **27621779**

Rev: _____

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS			QA QC
			+25°C	-40°C	+85°C	
1	Frequency Range:	6.0 to 18.0 GHz	6.0 to 18.0 GHz	6.0 to 18.0 GHz	6.0 to 18.0 GHz	
2	Power:	1.6KW Peak 120W CW	Pass By Design Pass See Graph	Pass By Design Pass See Graph	Pass By Design Pass See Graph	
3	Duty Cycle:	8%	Pass	Pass	Pass By Design	
4	Insertion Loss:	2.3dB Max.	2.21 dB See Graph	2.27 dB See Graph	2.3 dB See Graph	
5	Isolation:	35dB Typ	35.49dB See Graph	36.21 dB See Graph	35.03dB See Graph	
6	Pulse Width:	250 μ s. Max.	Pass	Pass	Pass	
7	Switching Speed:	1.25 μ s Max, 1.1 μ s Typ, (50% TTL to 90% RF and 50% TTL to 10% RF)	916.85 ns See Plot	916.85 ns See Plot	916.85 ns See Plot	
8	VSWR in/out:	2:1 Max.	1.81 In 1.9 Out See Graph	1.81 In 1.89 Out See Graph	1.8 In 1.89 Out See Graph	
9	Load VSWR:	Better than 1.5:1	1.5:1 Typical	1.5:1 Typical	1.5:1 Typical	
10	Power Supply:	+5 VDC @ 300 mA Typ -70 VDC @ 60 mA Typ.	+5 VDC @ 100mA -70 VDC @ 10 mA	+5 VDC @ 98mA -70 VDC @ 10 mA	+5 VDC @ 110mA -70 VDC @ 12 mA	

PIN	CONNECT TO
1	U1 -70V
2	GROUND
3	U1 IN2, 2 (CTRL J3)
4	U1 +5V
5	U1 IN1, (CTRL J2)

PIN	CONNECT TO
6	U1 GROUND
7	U1 GROUND
8	U1 GROUND
9	U1 GROUND

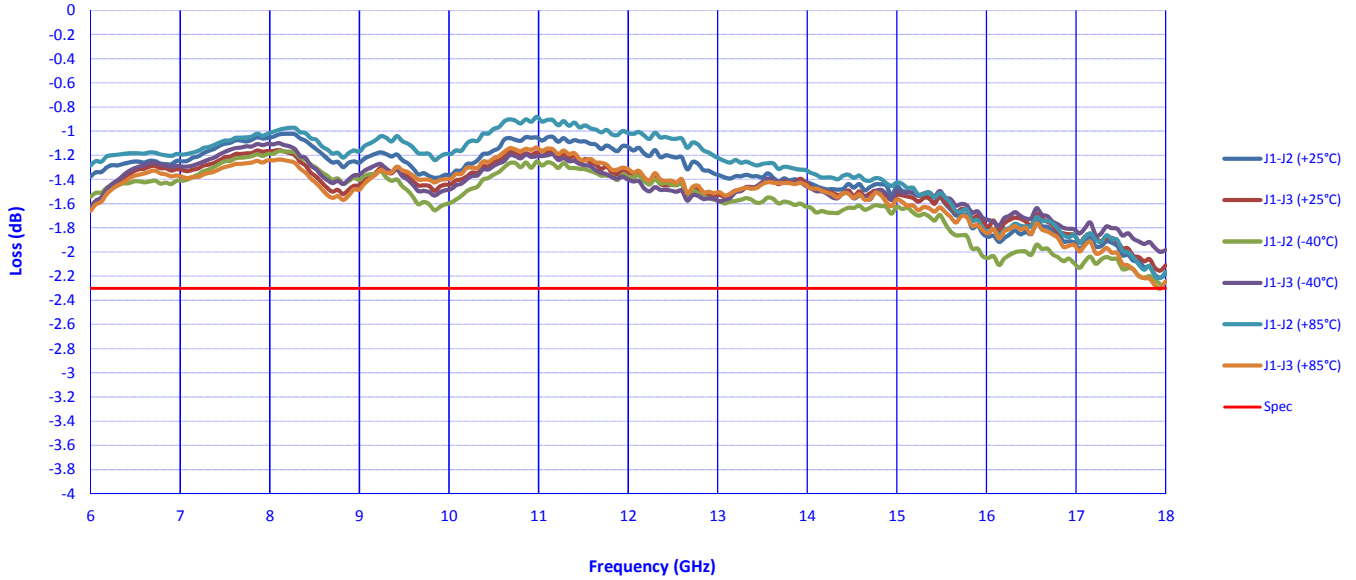
QA/QC Approval: _____

Date: _____

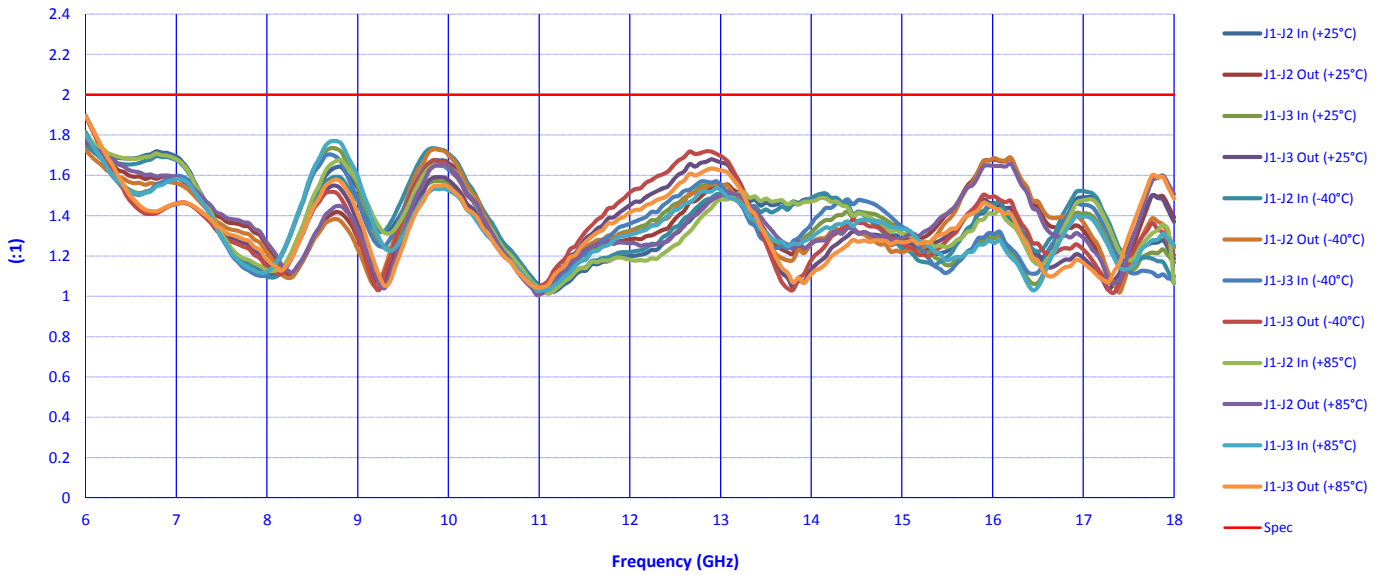


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Insertion Loss

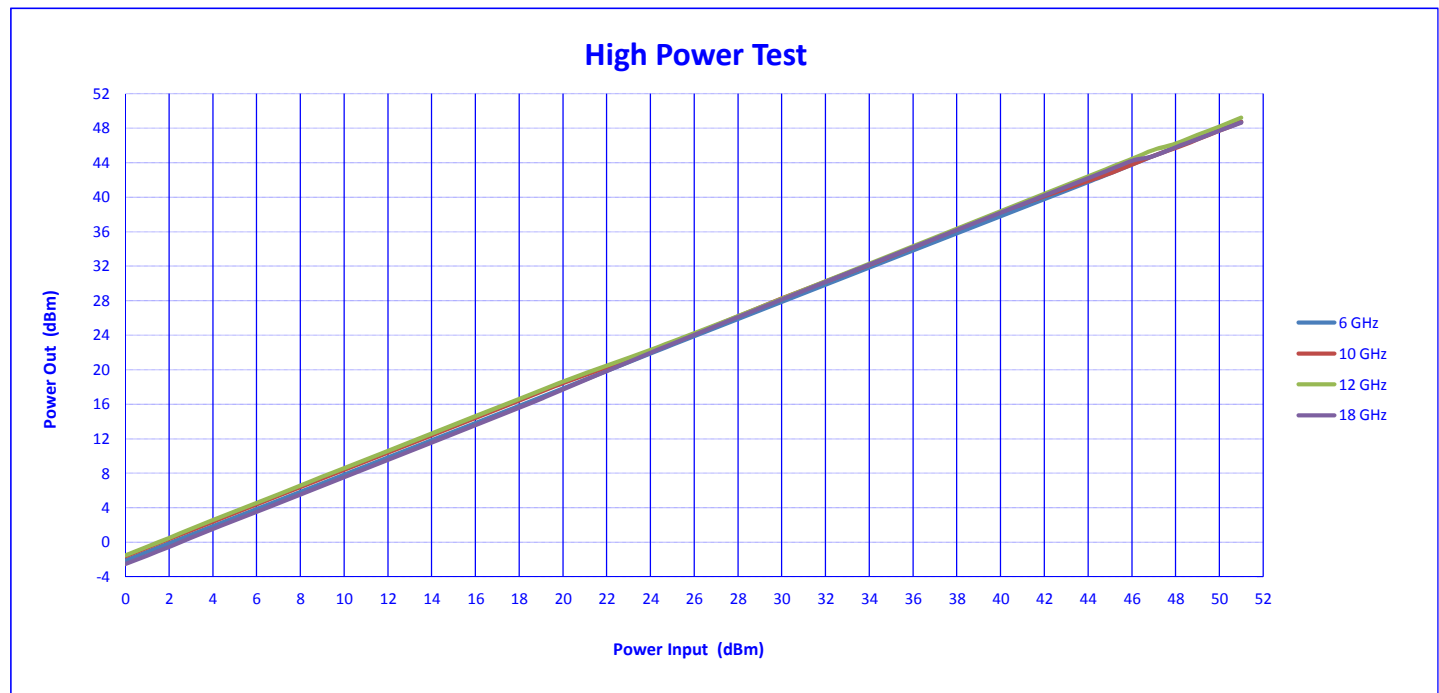
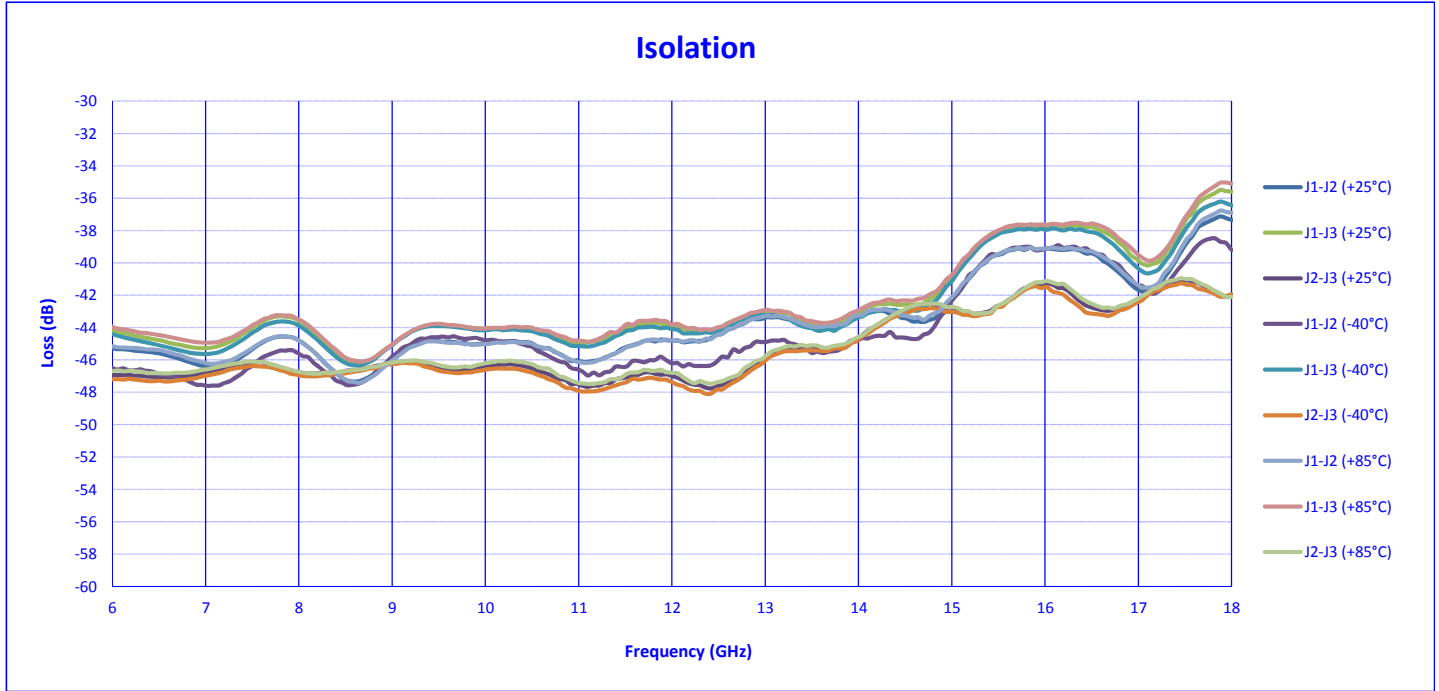


VSWR





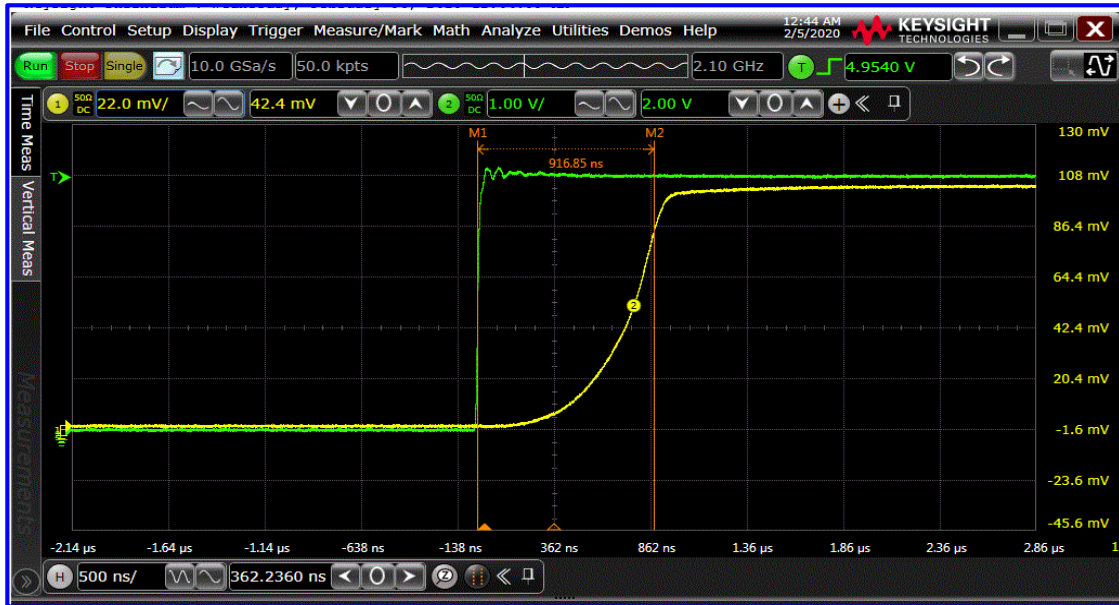
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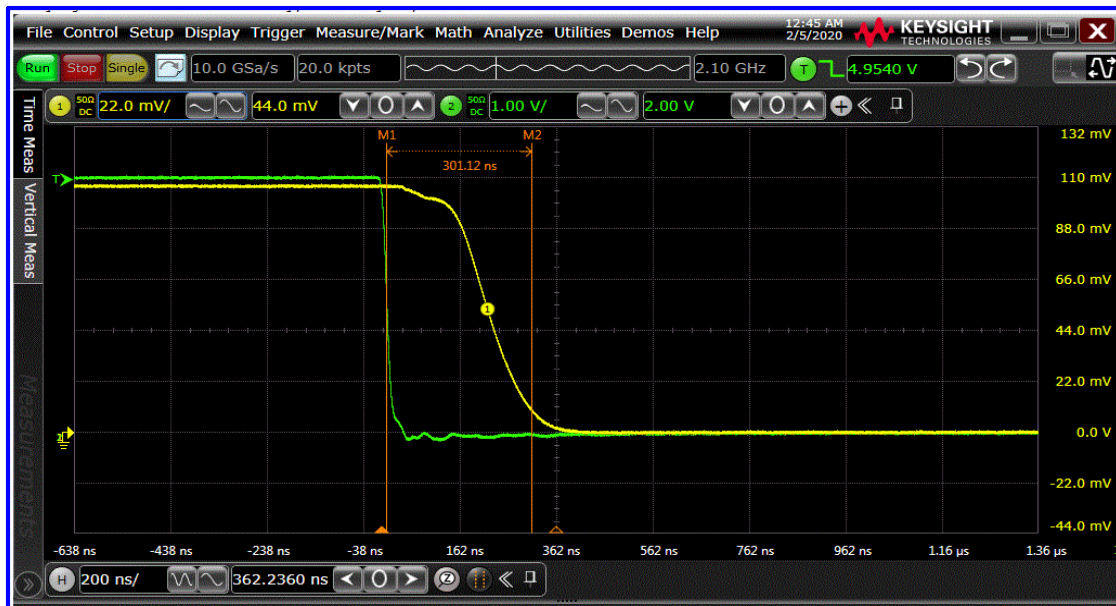


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Switching Speed ON
50 ns Per Div - (917 ns)



Switching Speed OFF
200 ns Per Div - (301 ns)

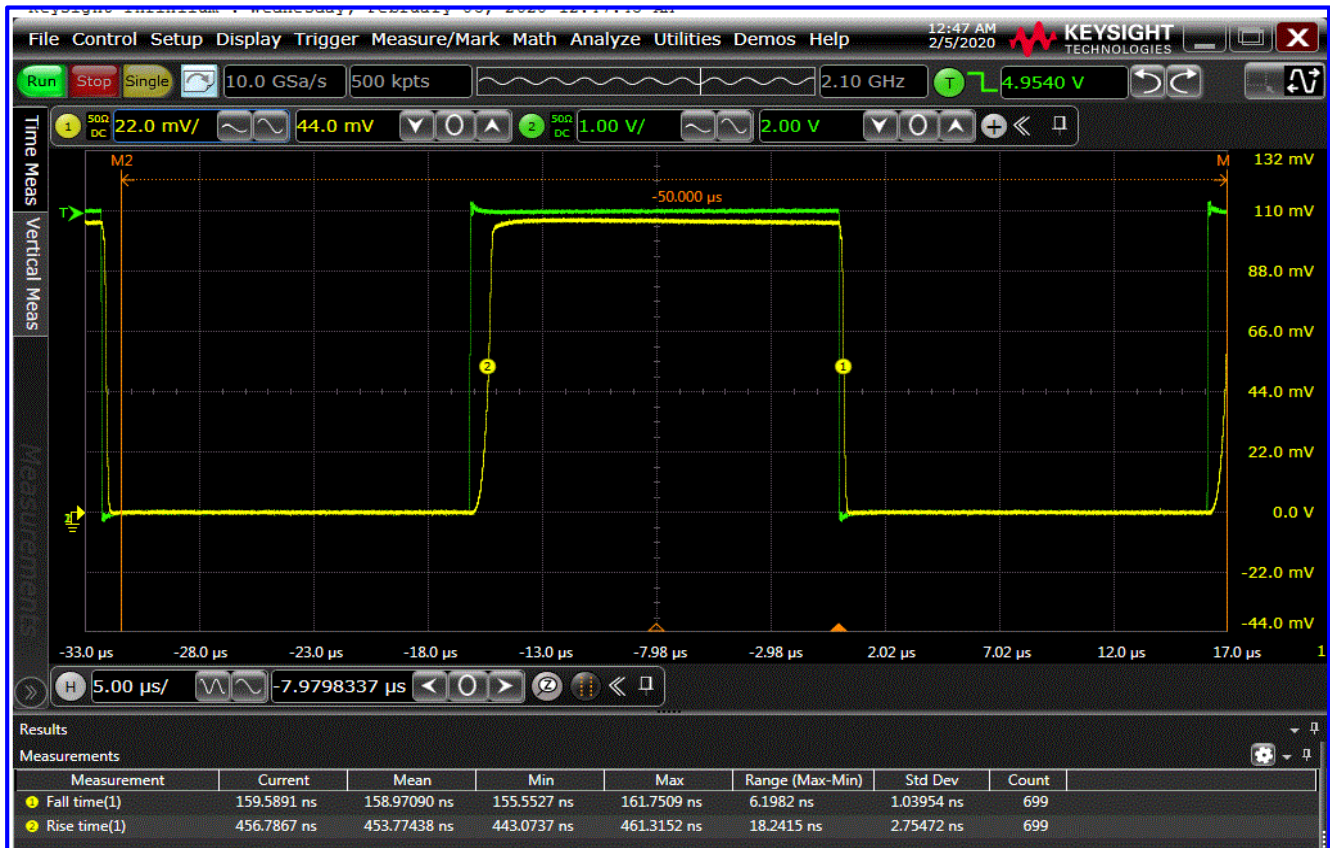


Green Signal = TTL
Yellow Signal = RF



SUMMARY TEST DATA ON P2T-6G18G-40-R 570-TFF-1D6KW-120W

Full Pulse
200 ns Per Div
Rise Time - (461 ns)
Fall Time - (162 ns)



Green Signal = TTL
Yellow Signal = RF