

# SUMMARY TEST DATA ON P8T-100M50G-90-T-RD

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: P8T-100M50G-90-T-RD  
 Serial No: PL49778/2443

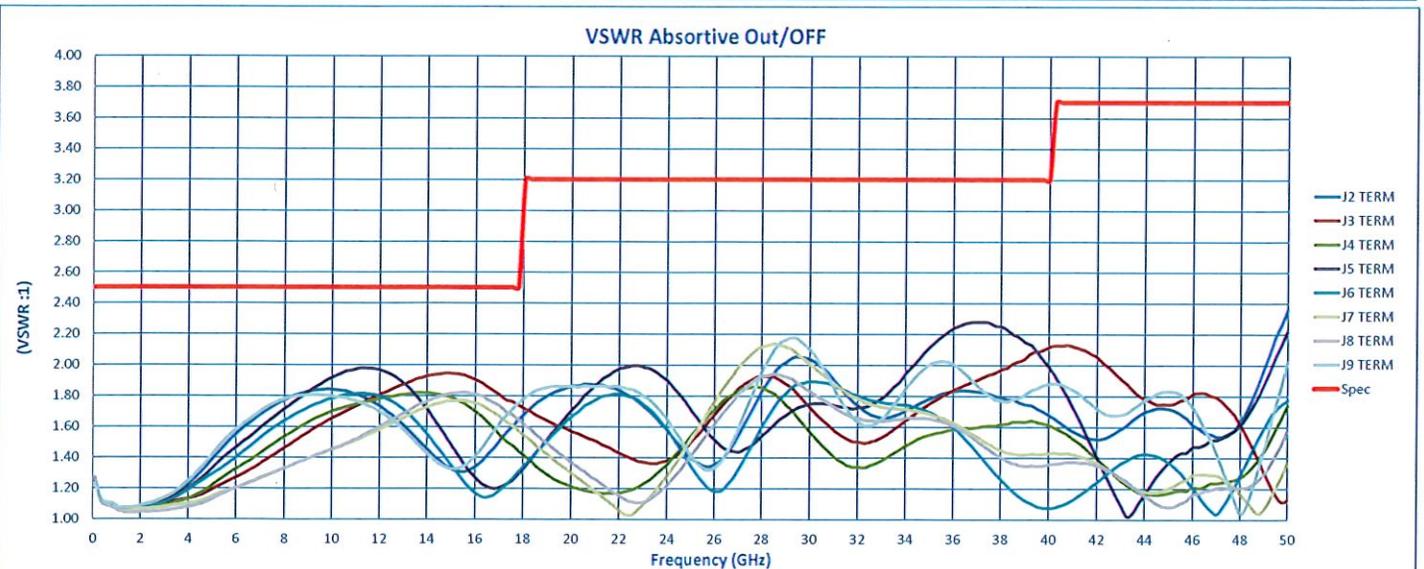
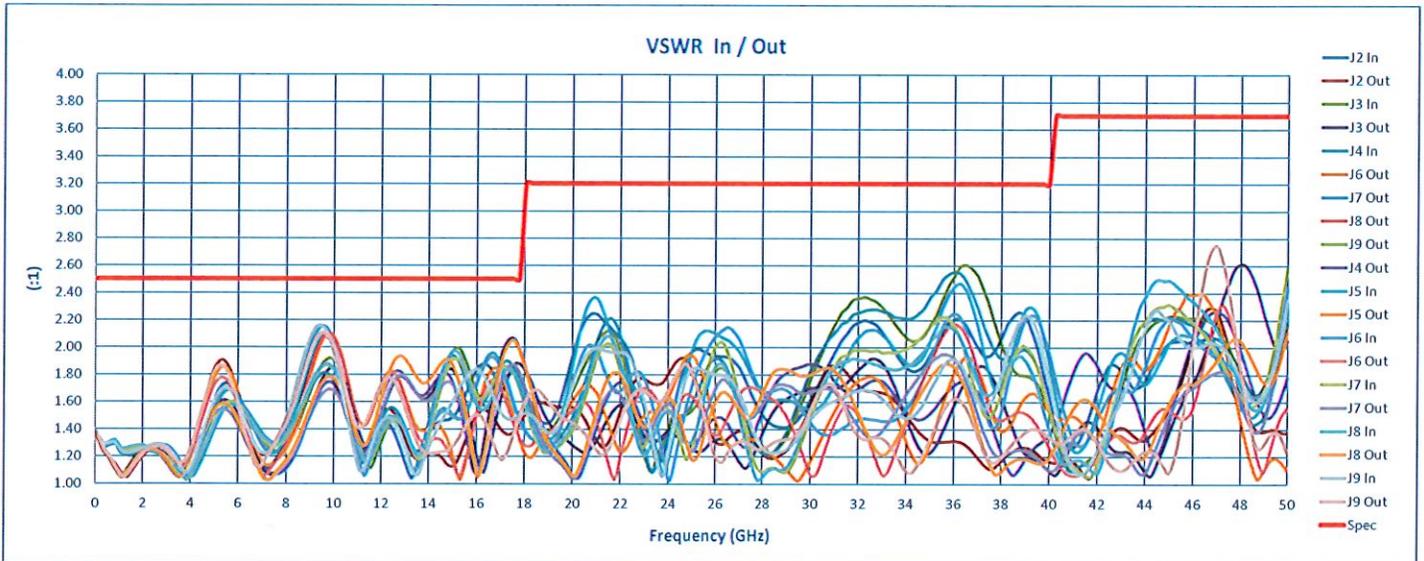
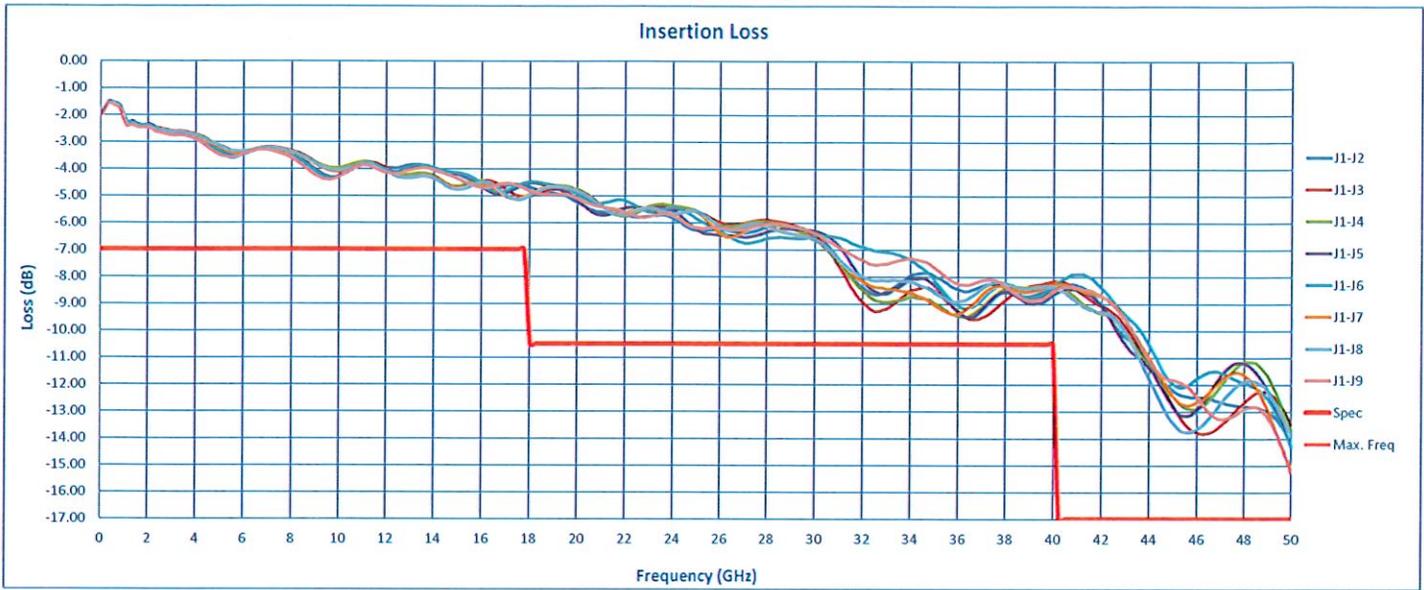
Tested By: S. O'Neill  
 Temperature: +25°C  
 Date: 10/24/2024  
 Drawing No: 27634420      REV: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
			+25°C		
1	Frequency Range:	0.1 to 50 GHz	0.1 to 50 GHz	<b>PMI QA1</b>	
2	Insertion Loss:	7.0 dB (0.1 to 18 GHz) MAX	5.15 dB		
		10.5 dB (18 to 40 GHz) MAX	9.58 dB		
		17.0 dB (40 to 50 GHz) MAX	15.23 dB		
3	Isolation:		See Graphs		
		70 dB (0.1 to 1 GHz) MAX	84.18 dB		
		60 dB (18 to 40 GHz) MAX	71.59 dB		
		50 dB (40 to 50 GHz) MAX	61.7 dB		
4	VSWR: In/Out		See Graphs		
		2.5:1 (0.1 to 18 GHz) MAX	2.16 :1		
		3.2:1 (18 to 40 GHz) MAX	2.6 :1		
		3.7:1 (40 to 50 GHz) MAX	2.75 :1		
5	Operating Input Power:	+20dBm Max.	Pass See Typical Characteristics		
6	Switching Speed	50ns Max.	Pass See Typical Characteristics		
7	DC Supply:	+5 VDC @ 400 mA Max. -5 VDC @ 300 mA Max.	+5 VDC @ 400 mA -5 VDC @ 153 mA		
8	Control Signal:	Logic Table			
		3 BIT Decoder			
		CTL3	CTL2	CTL1	Function
		0	0	0	J1 to J2
		0	0	1	J1 to J3
		0	1	0	J1 to J4
		0	1	1	J1 to J5
		1	0	0	J1 to J6
		1	0	1	J1 to J7
		1	1	0	J1 to J8
1	1	1	J1 to J9		

QA/QC Approval:  **PMI QA1**

Date: 10/25/24

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