



**SUMMARY TEST DATA
ON
PXS-6G18G-60-T-SFF-SP**

PL32166/2117

Customer: _____ Tested By: L. McGraw
 SO No: _____ Temperature: +25°C
 Model No: PXS-6G18G-60-T-SFF-SP Date: 4/30/2021
 Serial No: PL32166/2117 Drawing No: 27639640 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	6.0 TO 18.0 GHz	6.0 TO 18.0 GHz	PMI QA 2
2	Impedance	50 Ohms	50 Ohms	
3	Insertion Loss	3.5 dB Max	2.9 dB (See Plot)	
4	Insertion Loss Ripple	±0.75dB Max	Pass	
5	VSWR	2.0:1 Max	1.9:1 (See Plot)	
6	Isolation	60 dB Min	73 dB (See Plot)	
7	Switching Speed	70 ns Max (50% TTL to 10%/90% RF)	See Typical Characteristics	
8	Rise/Fall Time	70ns (10% / 90% RF)	See Typical Characteristics	
9	Switching Rate PRF	1 MHz	See Typical Characteristics	
10	Video Leakage	50mv P-P at 350MHz BW	See Typical Characteristics	
11	Input Power	+27dBm (0.5 WATT) Max	Pass	
12	DC Supply	+5VDC (±5%) / 120mA Max (VDC + CTL Lines) -12VDC (±5%) / 120mA Max	+5V @ 52mA -12V @ 72mA	
13	Control Signal	TTL LOGIC "0" J1-J2, J3-J4 = Insertion Loss J1-J4, J2-J3 = Isolation TTL LOGIC "1" J1-J4, J2-J3 = Insertion Loss J1-J2, J3-J4 = Isolation	Pass	PMI QA 2

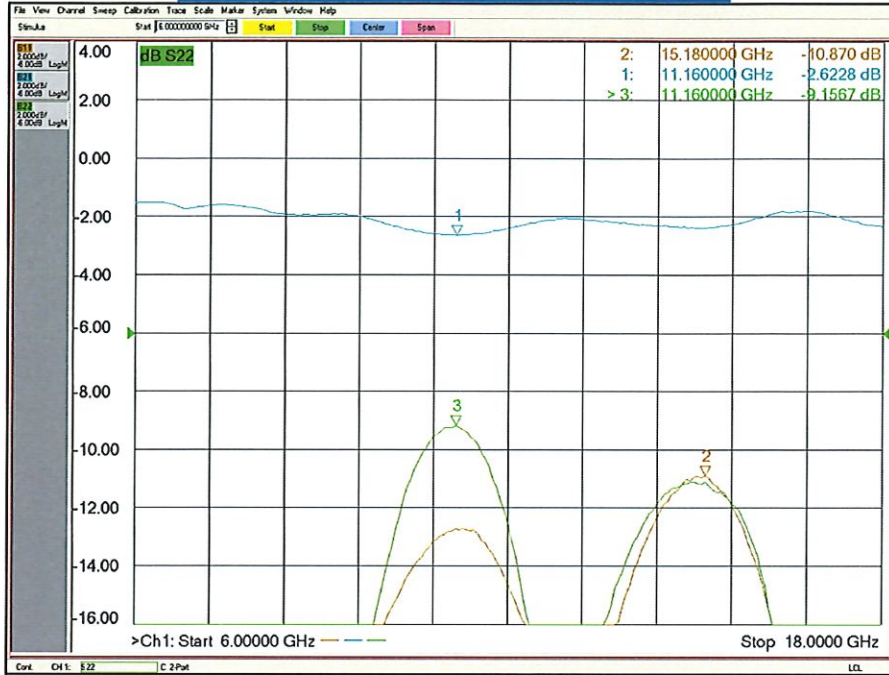
QA/QC Approval: PMI QA 2 Date: 4/30/21



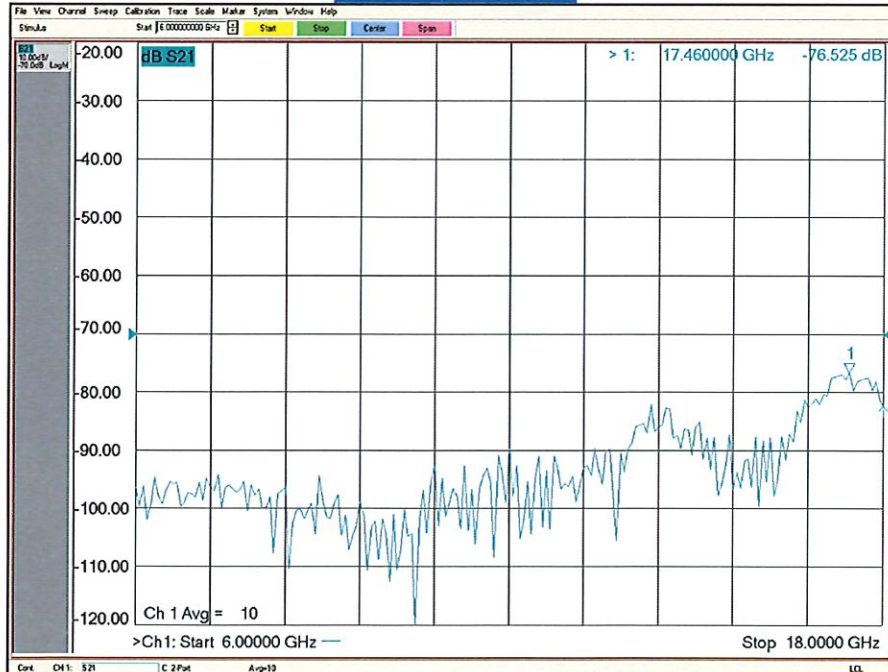
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(J1 – J2) Insertion Loss and Return Loss



(J1 – J2) Isolation

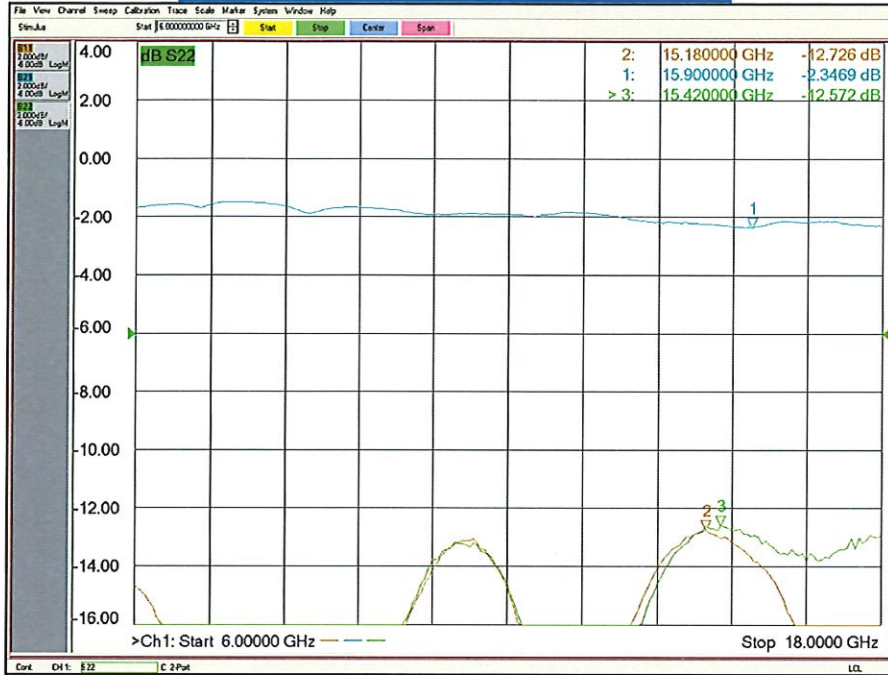




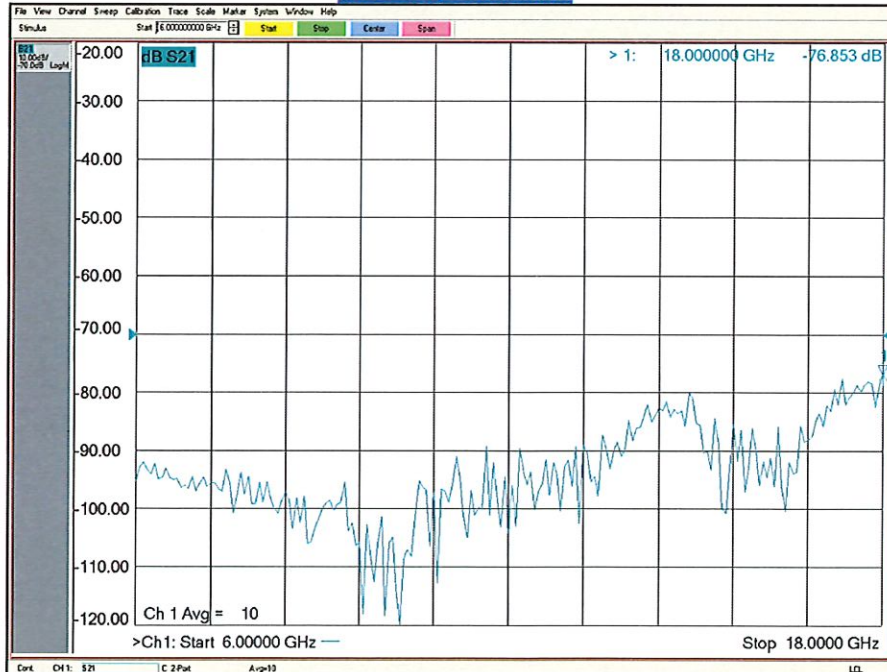
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(J3 – J4) Insertion Loss and Return Loss



(J3 – J4) Isolation

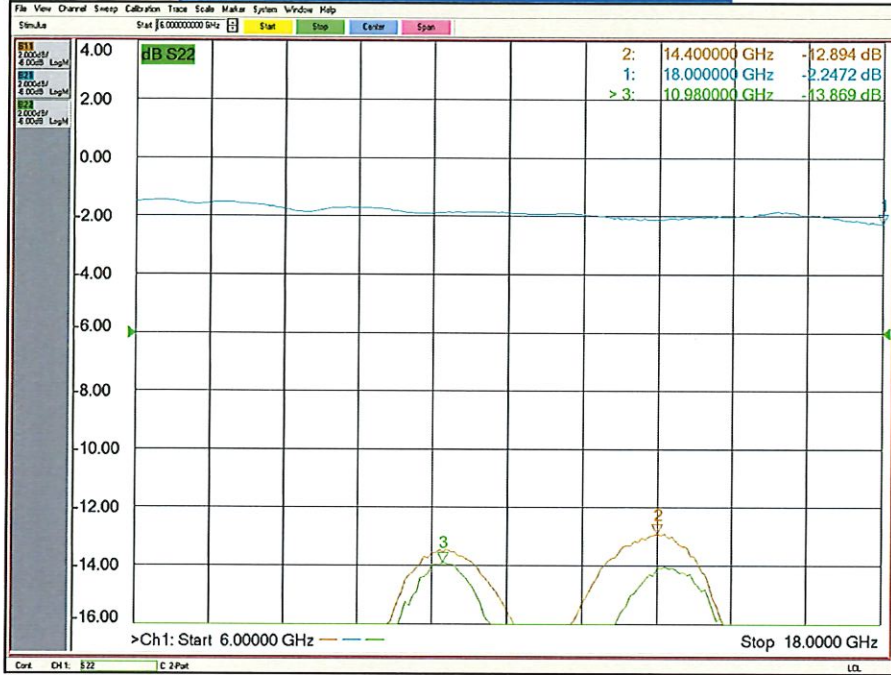




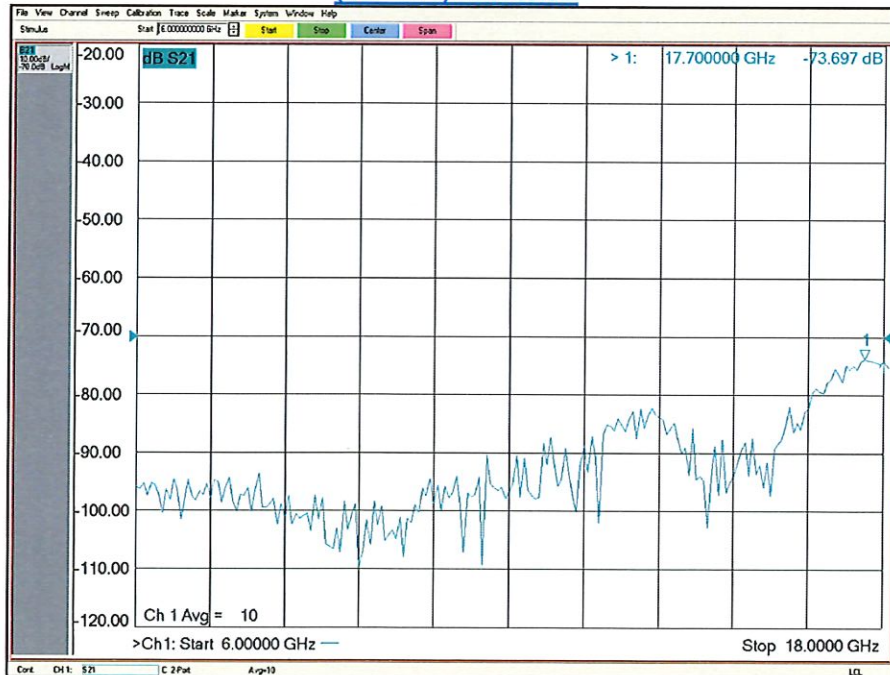
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(J1 – J4) Insertion Loss and Return Loss



(J1 – J4) Isolation

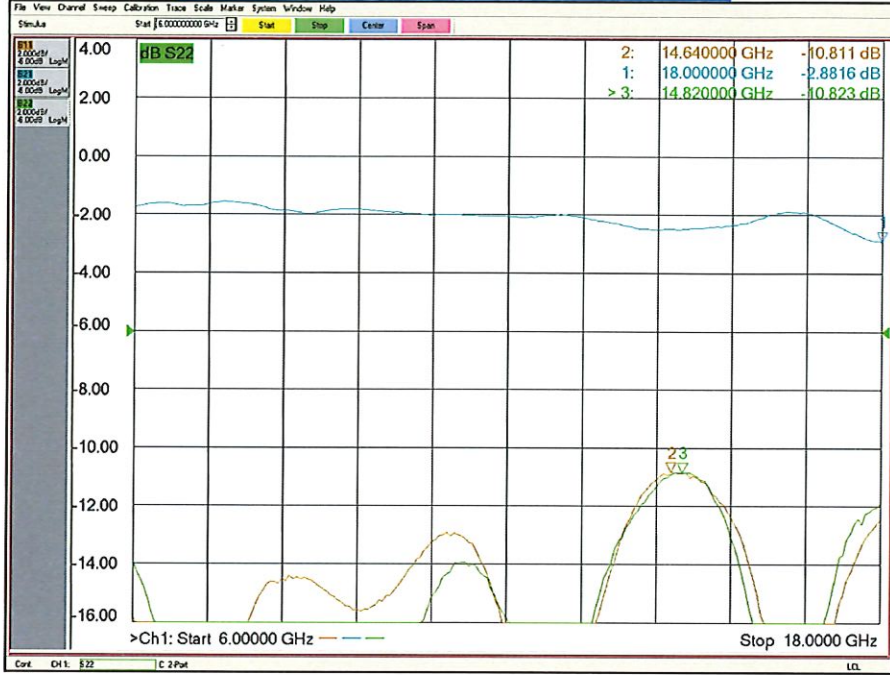




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(J2 – J3) Insertion Loss and Return Loss



(J2 – J3) Isolation

