



SUMMARY TEST DATA ON APD-8-1G20G-292FF

Customer: DEMO-PMI
 SO No: _____
 Model No: APD-8-1G20G-292FF
 Serial No: DEMO-PMI

Tested By: A. Lopez
 Temperature: +25 °C
 Date: 10/9/2020
 Drawing No: 27639020 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS +25°C	QA QC
1	Frequency Range	1 GHz – 20 GHz	1 GHz – 20 GHz	PMI QA 2
2	Insertion Loss	1 to 2 GHz – 2.0 dB Max.	1.62 dB	
		2 to 8 GHz - 2.0 dB Max.	1.82 dB	
		8 to 18 GHz - 3.2 dB Max.	2.86 dB	
		18 to 20 GHz - 5.0 dB Max.	3.47 dB	
			See Graphs	
3	Insertion Loss Flatness (Ref Line of Best Fit)	1.0 to 20 GHz – ± 1 dB Max	± 0.7 dB	
		1.0 to 18GHz – ± 1 dB Max	± 0.8 dB	
		2 to 18 GHz – ± 1 dB Max	± 0.7 dB	
			See Graphs	
4	VSWR Input	1 to 2 GHz – 2.6:1 Max.	2.45 :1	
		2 to 8 GHz - 2.1:1 Max.	2.01 :1	
		8 to 18 GHz - 2.0:1 Max.	1.88 :1	
		18 to 20 GHz - 2.0:1 Typ.	1.9 :1	
			See Graphs	
5	VSWR /Output	1 to 2 GHz – 1.5:1 Max.	1.22 :1	
		2 to 8 GHz - 1.7:1 Max.	1.64 :1	
		8 to 18 GHz - 1.8:1 Max.	1.69 :1	
		18 to 20 GHz - 2.0:1 Max.	1.74 :1	
			See Graphs	
6	Isolation	1 to 2 GHz – 10 dB Typ.	11.21 dB	
		2 to 8 GHz - 20 dB Typ.	19.84 dB	
		8 to 18 GHz - 20 dB Typ.	17.08 dB	
		18 to 20 GHz - 15 dB Typ.	13.77 dB	
			See Graphs	
7	Amplitude Balance	1 to 2 GHz – ± 0.5 dB Max.	0.18 dB (±)	
		2 to 8 GHz - ± 0.3 dB Max.	0.12 dB (±)	
		8 to 18 GHz - ± 0.5 dB Max.	0.39 dB (±)	
		18 to 20 GHz - ± 1.2 dB Max.	0.51 dB (±)	
			See Graphs	
8	Phase Balance	1 to 2 GHz – 3° Max.	0.92°	
		2 to 8 GHz - 4° Max.	3.12°	
		8 to 18 GHz - 10° Max.	8.15°	
		18 to 20 GHz - 15° Typ.	8.63°	
			See Graphs	
9	Average Power	25 Watts (+44dBm) (Into 1.2:1 Load VSWR)	Pass See Typical Characteristics	PMI QA 2

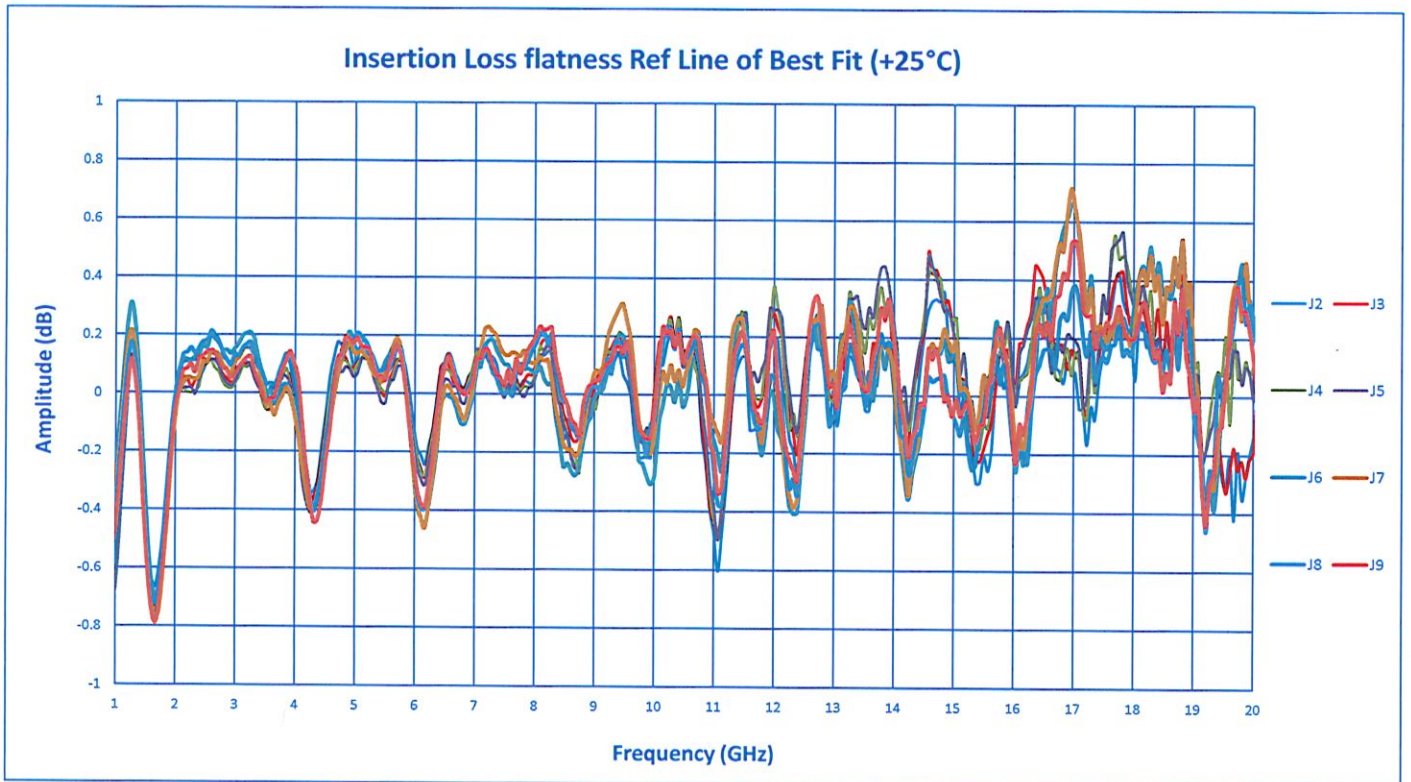
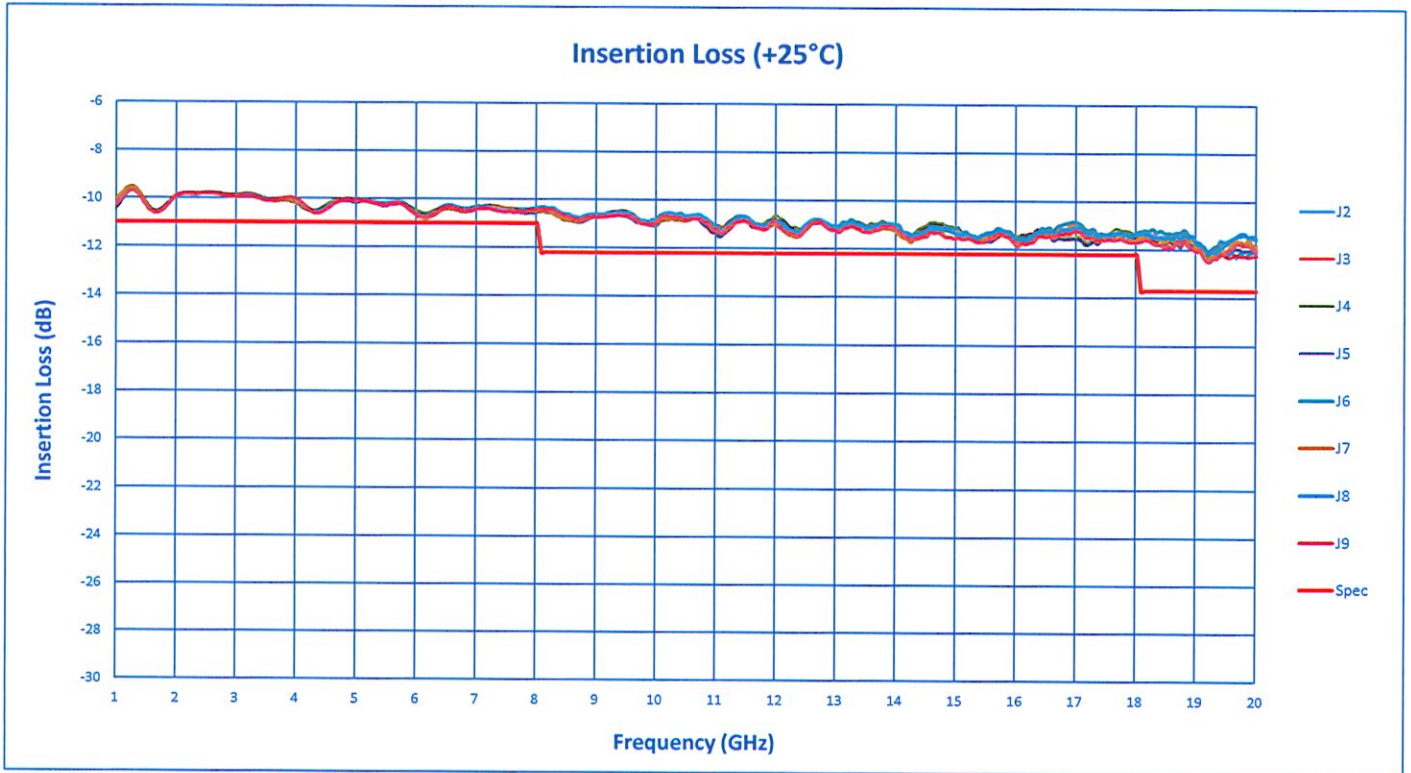
Note: Amplitude and phase balance are relative to J2 Port.

QA/QC Approval: PMI QA 2

Date: 10/12/20

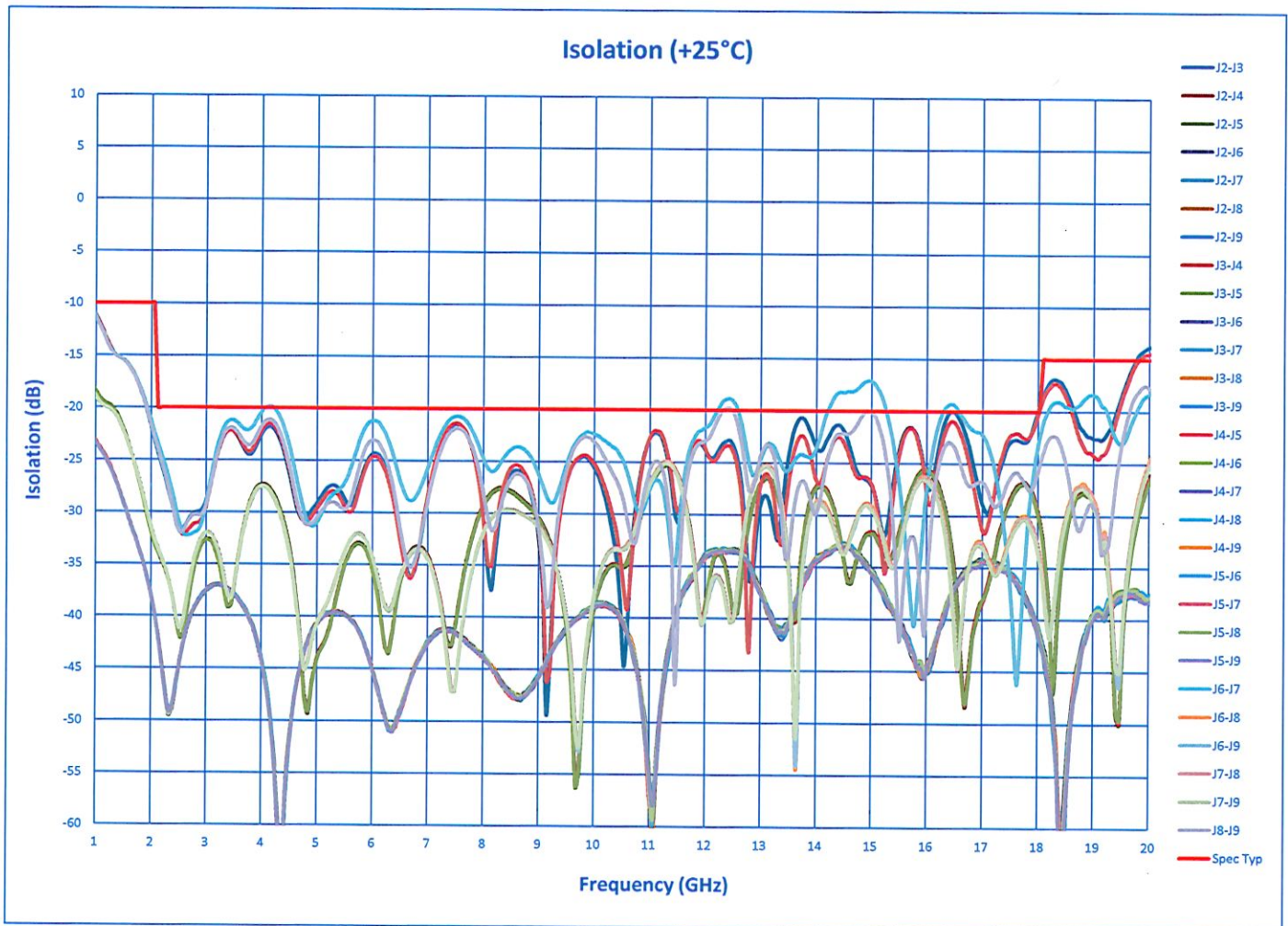


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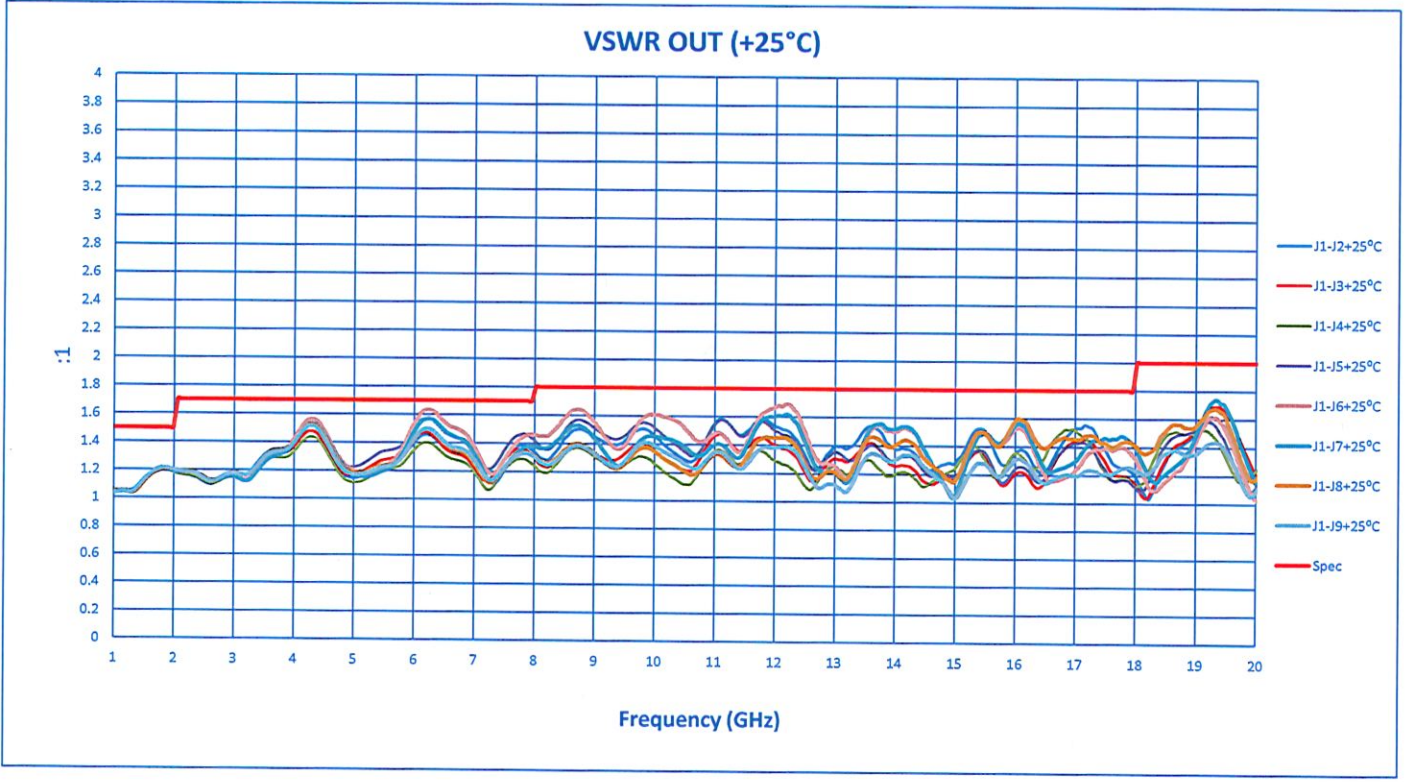
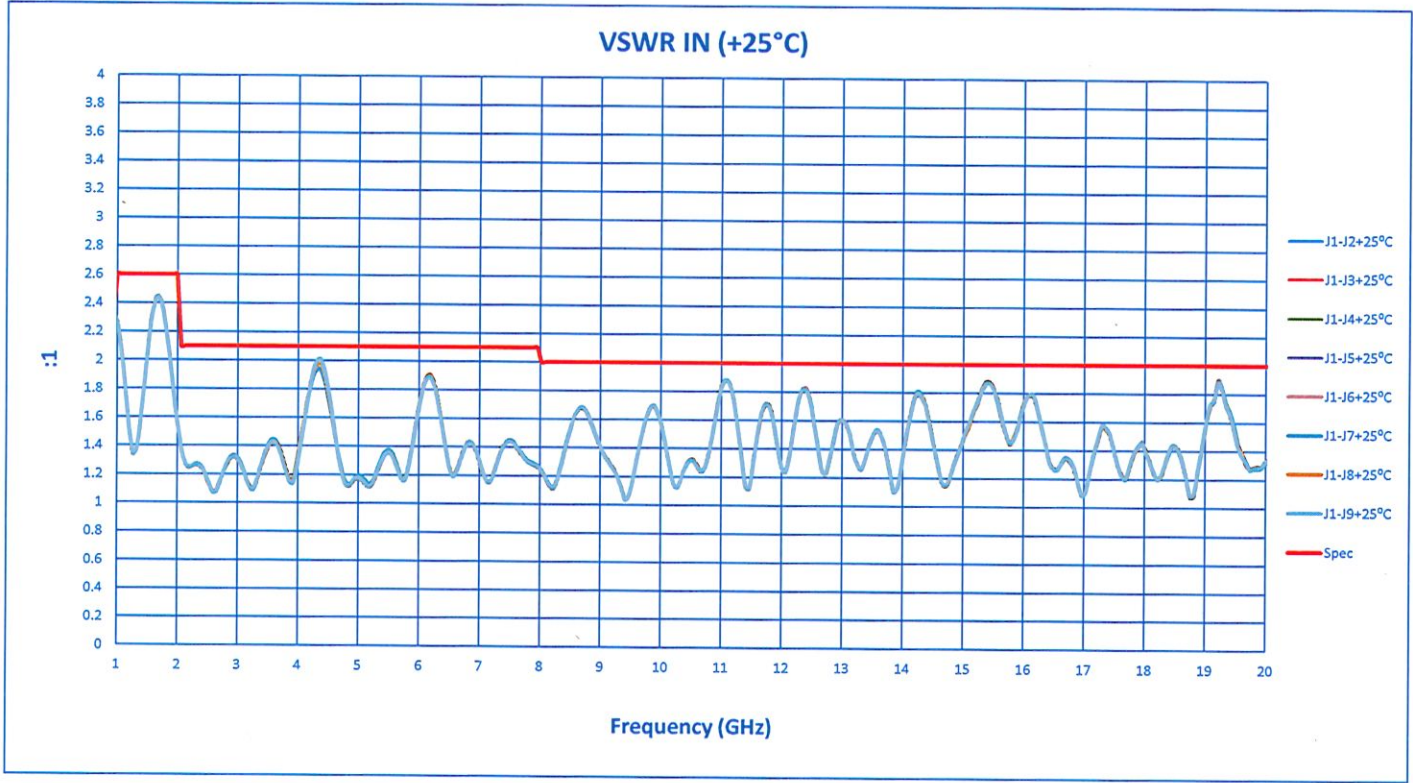


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