



SUMMARY TEST DATA ON APD-16-0R518-292FF

Customer: DEMO-PMI
 SO No: _____
 Model No: APD-16-0R518-292FF
 Serial No: DEMO-PMI-1

Tested By: SEAN HERATY
 Temperature: +25 °C
 Date: 10/20/2020
 Drawing No: 27639020 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	
2	Insertion Loss (Over Theoretical Power Split of 12 dB)	0.5 to 1 GHz	2.0 dB Typ.	1.8 dB
		1 to 2 GHz	3.0 dB Typ.	2.52 dB
		2 to 8 GHz	3.0 dB Typ.	2.46 dB
		8 to 18 GHz	5.0 dB Typ.	4.54 dB
			See Graphs	
3	Insertion Loss Flatness (Ref Line of Best Fit)	0.5 to 1 GHz	± 1.0 dB Typ.	0.81 dB
		1 to 2 GHz	± 1.5 dB Typ.	1.45 dB
		2 to 8 GHz	± 1.2 dB Typ.	0.89 dB
		8 to 18 GHz	± 1.0 dB Typ.	0.8 dB
			See Graphs	
4	Isolation	0.5 to 1 GHz	10 dB Typ.	6.15 dB
		1 to 2 GHz	10 dB Typ.	10.94 dB
		2 to 8 GHz	20 dB Typ.	16.31 dB
		8 to 18 GHz	20 dB Typ.	16.11 dB
			See Graphs	
5	VSWR Input	0.5 to 1 GHz	2.5:1 Typ.	2.49 :1
		1 to 2 GHz	3.1:1 Typ.	3.21 :1
		2 to 8 GHz	3.0:1 Typ.	2.35 :1
		8 to 18 GHz	2.1:1 Typ.	2.02 :1
			See Graphs	
6	VSWR Output	0.5 to 1 GHz	1.5:1 Max.	1.36 :1
		1 to 2 GHz	1.5:1 Max.	1.41 :1
		2 to 8 GHz	1.8:1 Max.	1.71 :1
		8 to 18 GHz	2.0:1 Max.	1.73 :1
			See Graphs	
7	Amplitude Balance	0.5 to 1 GHz	± 0.5 dB Max.	0.17 dB (±)
		1 to 2 GHz	± 0.5 dB Max.	0.08 dB (±)
		2 to 8 GHz	± 0.5 dB Max.	0.35 dB (±)
		8 to 18 GHz	± 1.3 dB Max.	0.95 dB (±)
			See Graphs	
8	Phase Balance	0.5 to 1 GHz	± 3° Typ.	+1.61 °/-1 °
		1 to 2 GHz	± 3° Typ.	+1.91 °/-1.36 °
		2 to 8 GHz	± 10° Typ.	+7.71 °/-4.85 °
		8 to 18 GHz	± 20° Typ.	+16.88 °/-10.81 °
			See Graphs	
9	Average Power	25 Watts (+44dBm) (Into 1.2:1 Load VSWR)	Pass 25 Watts See Graph	

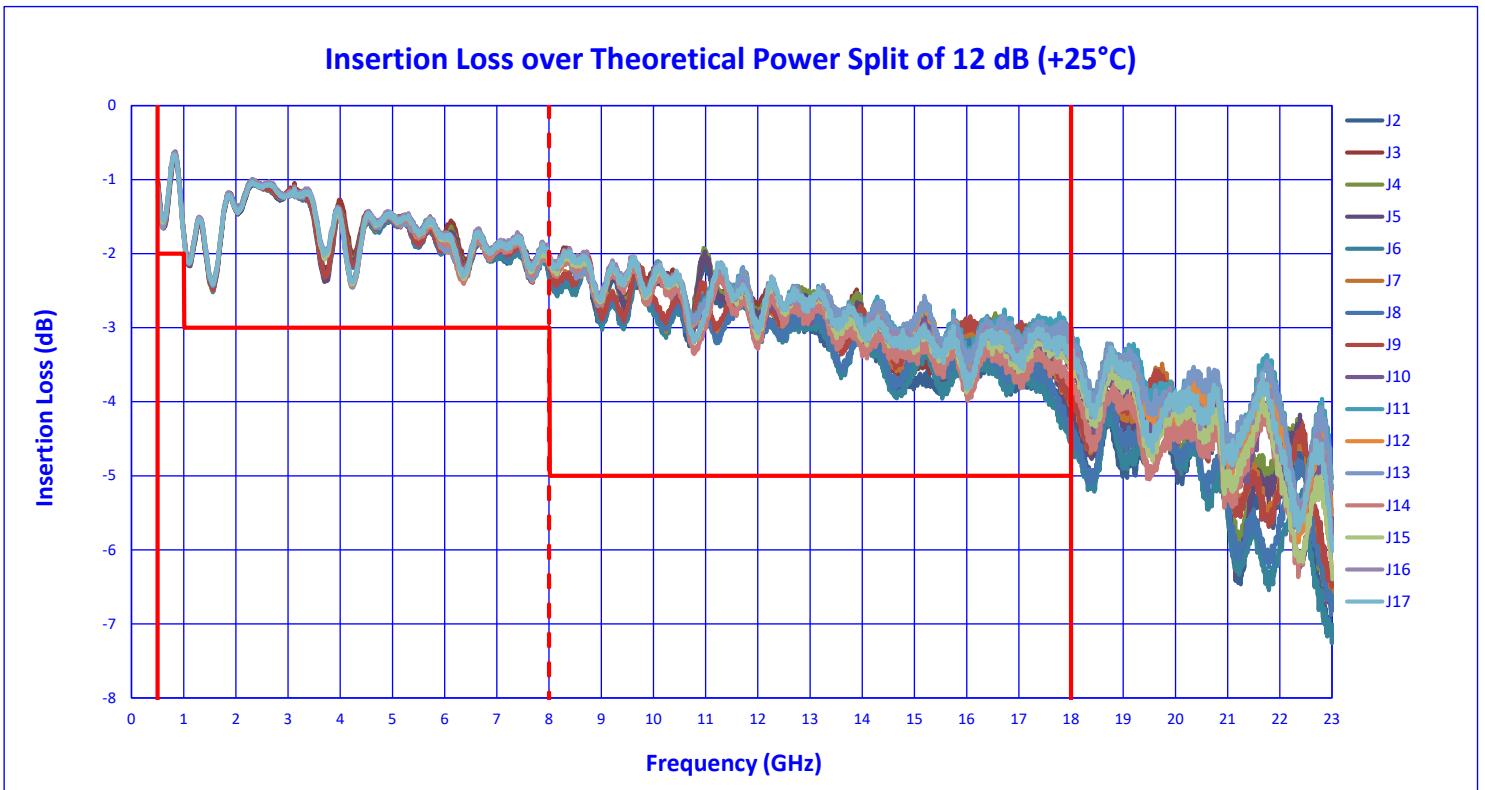
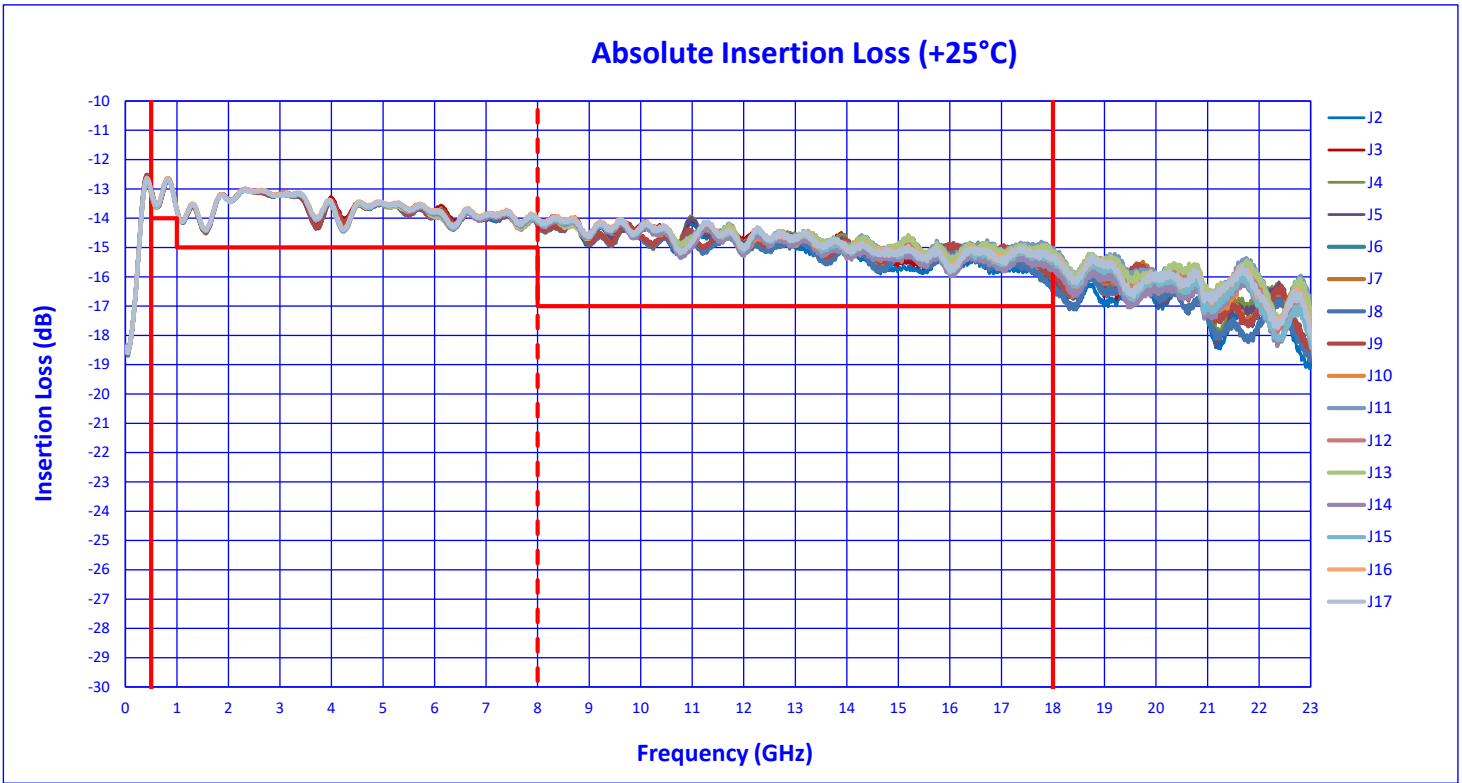
Note: Amplitude and phase balance are relative to J2 Port.

QA/QC APPROVAL: _____

DATE: _____

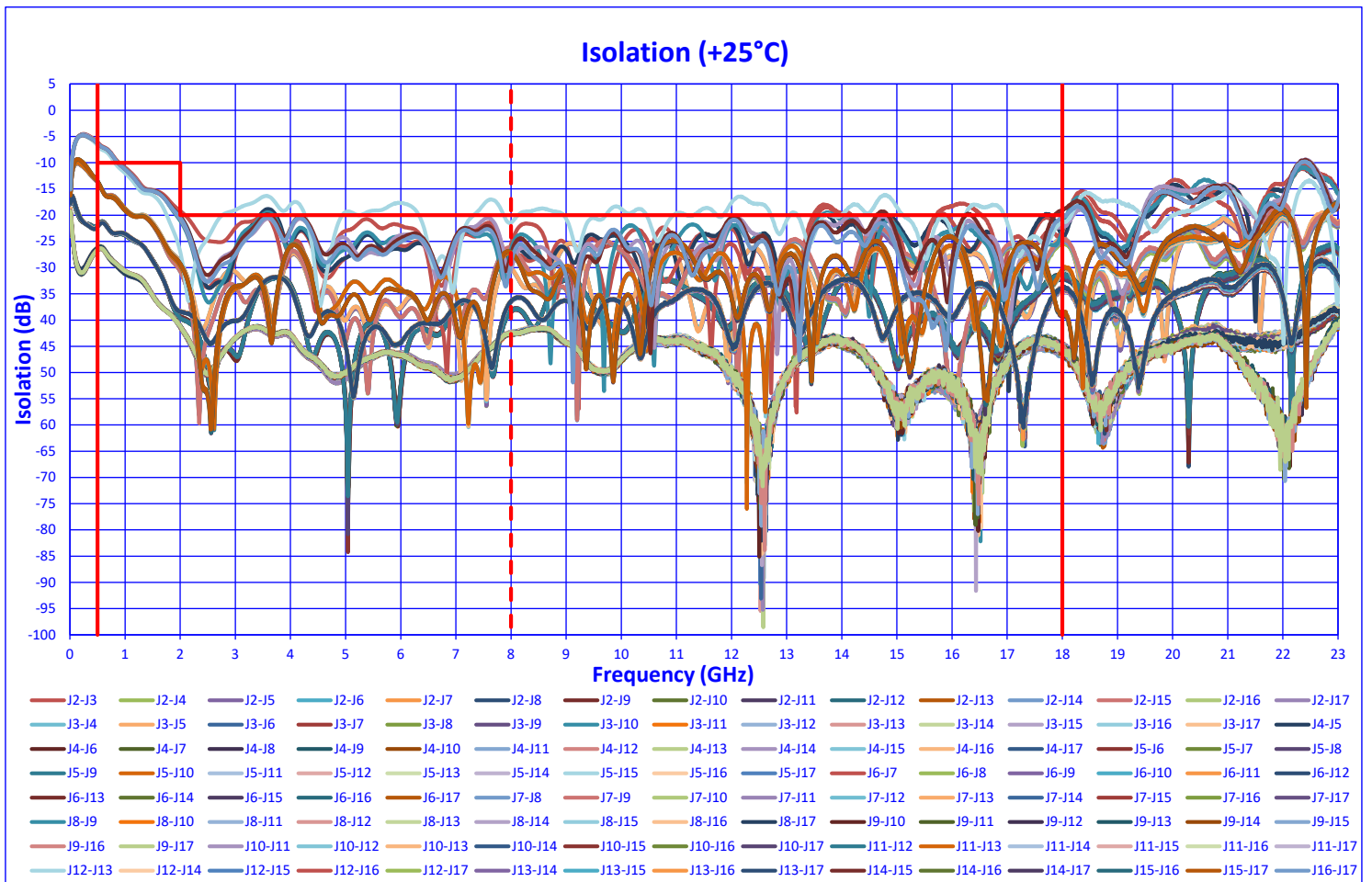
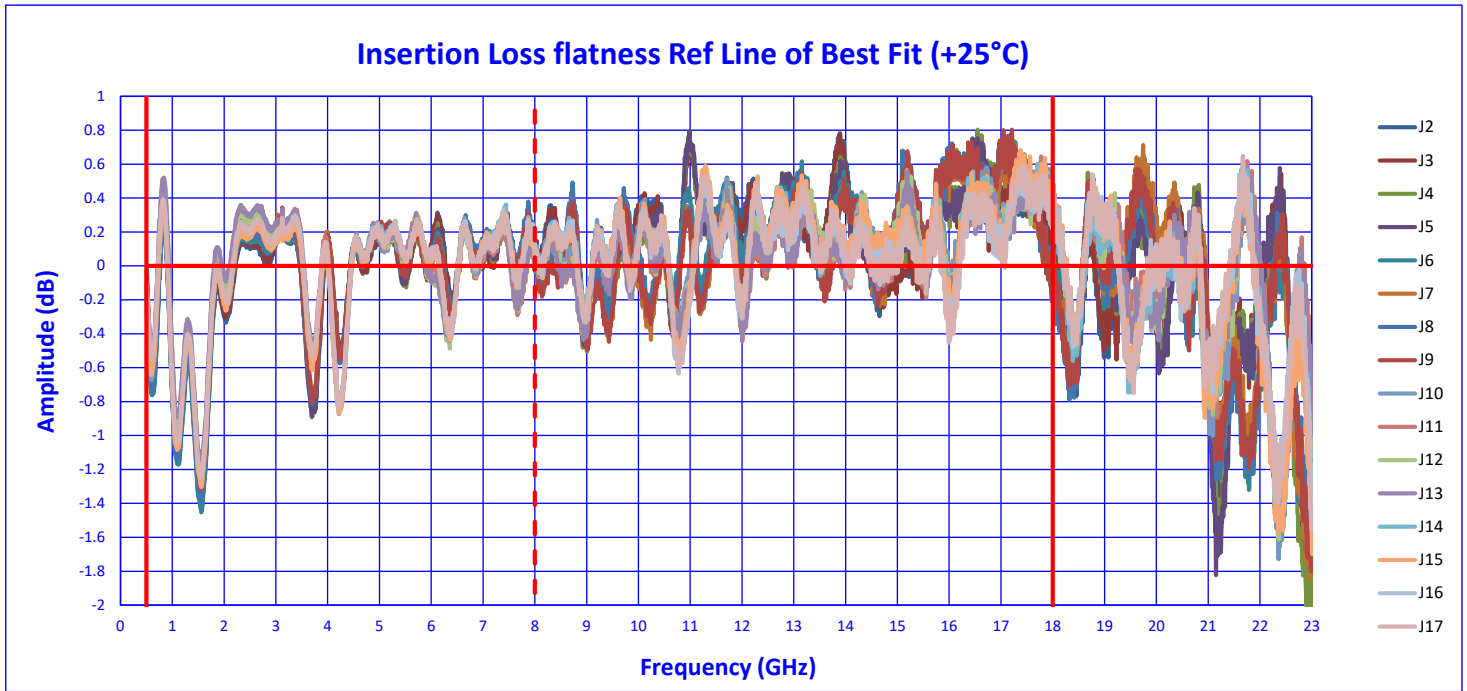


SUMMARY TEST DATA ON APD-16-0R518-292FF



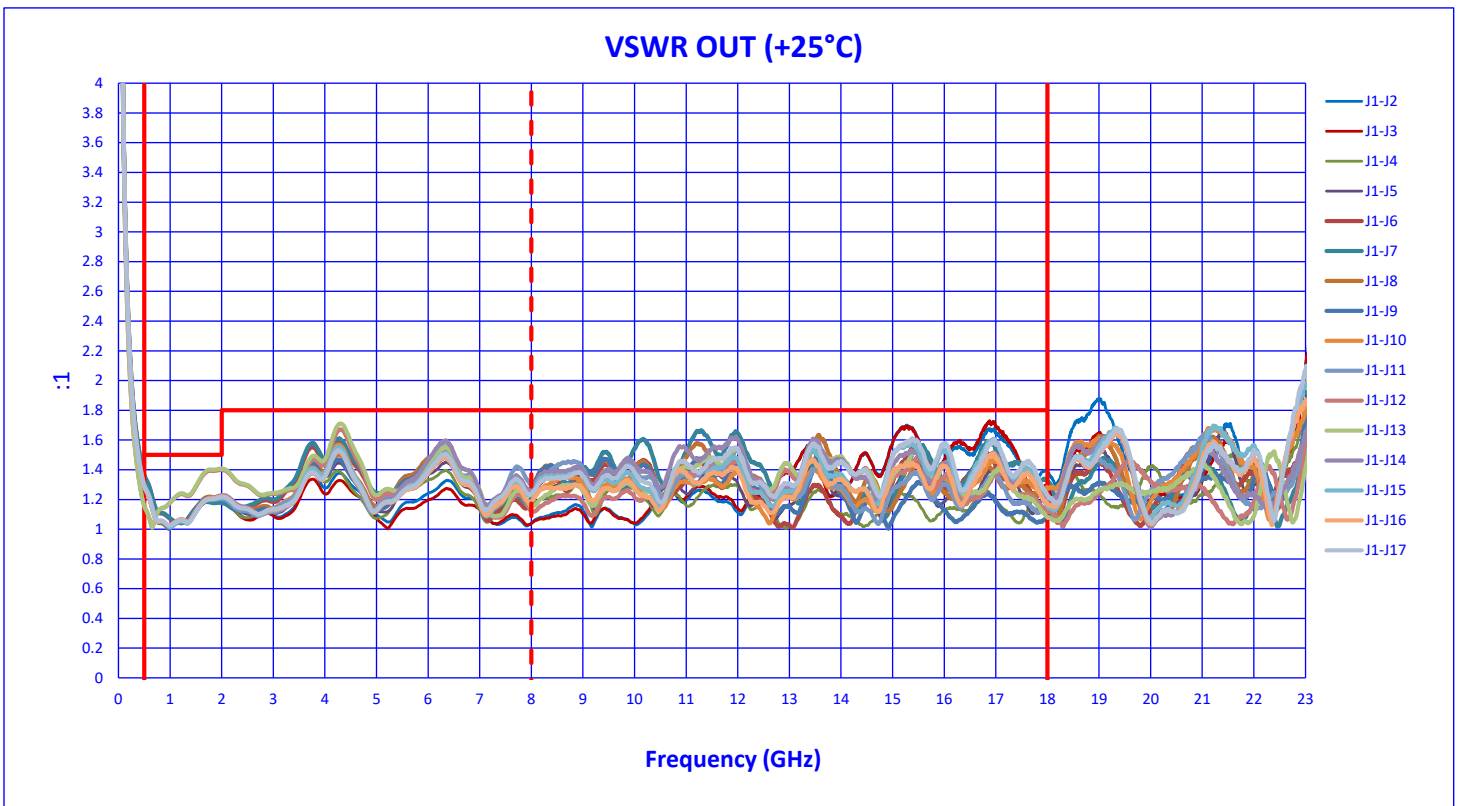
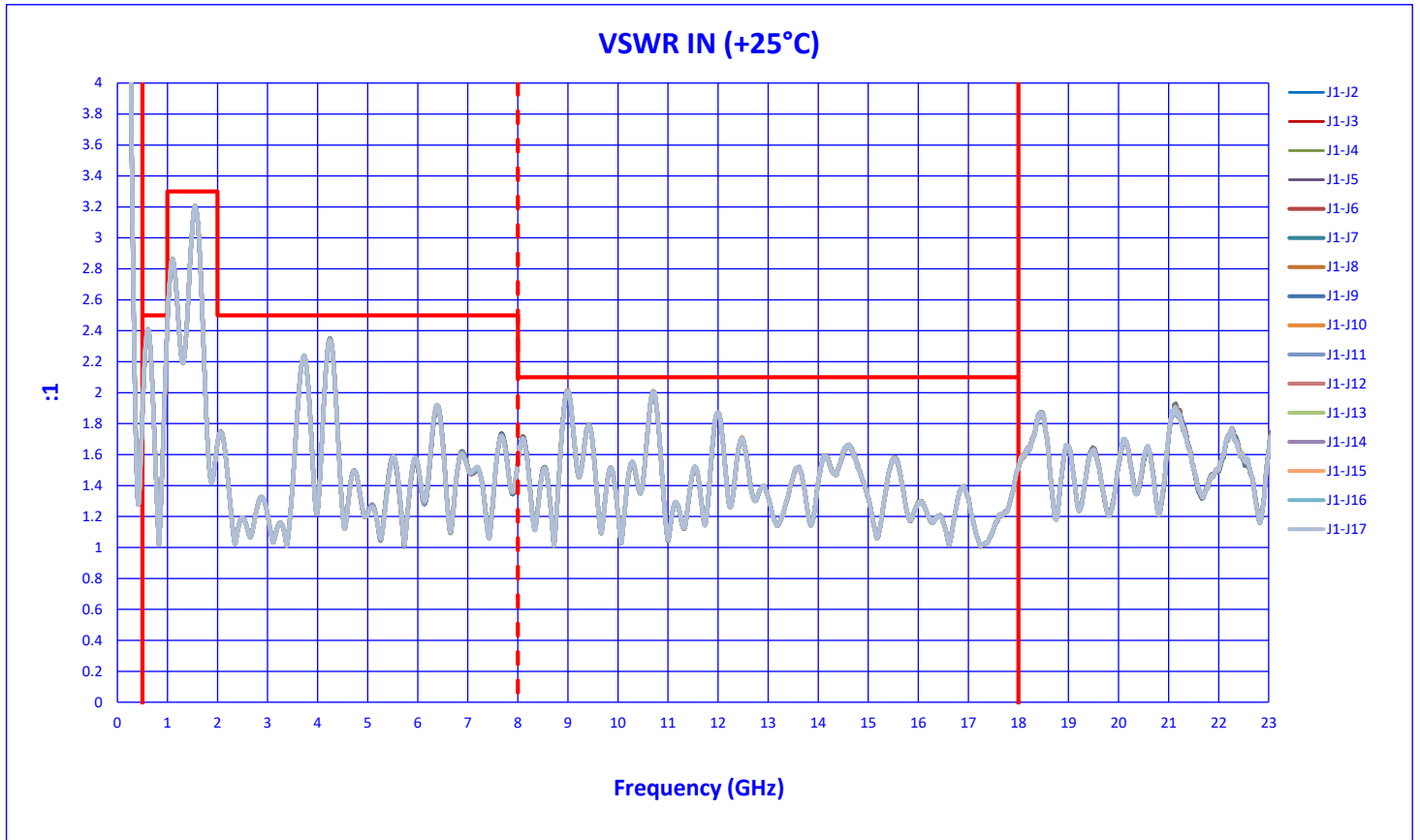


SUMMARY TEST DATA ON APD-16-0R518-292FF





SUMMARY TEST DATA ON APD-16-0R518-292FF





SUMMARY TEST DATA ON APD-16-0R518-292FF

