



**SUMMARY TEST DATA
ON
DD-20-218-5PF-1-N-FM-OPT0518**

PL50184/2447

Customer: ITC Tested By: FCC
SO No: 50184 Temperature: +25°C
Model No: DD-20-218-5PF-1-N-M-OPT0518 Date: 11/22/24
Serial No: PL50184 /2447 Drawing No: 27631046 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.5 to 18 GHz	0.5 to 18 GHz See Plot	PM QA3
2	VSWR In/Out:	3.5:1 Typ. (Measured @ -23dBm with 27kOhm load impedance)	2.86:1 See Plot	
3	Frequency Flatness:	±1.5 dB, ±1.0 dB Typ.	± 0.90 dB See Plot	
4	Speed:	5 ns	Pass By Design	
5	Voltage Sensitivity:	650 mV/mW, 700mV/mW Typ.	971 mV/mW Typ See Plot	
6	Tangential Sensitivity:	-50dBm @ 2 MHz Video Bandwidth	<-50dBm @ 2MHz	
7	Video Capacitance:	5.6 pF	Pass	
8	Output Voltage:	Negative (Positive is Available)	Pass	
9	Max Input Power:	+17 dBm	Pass	

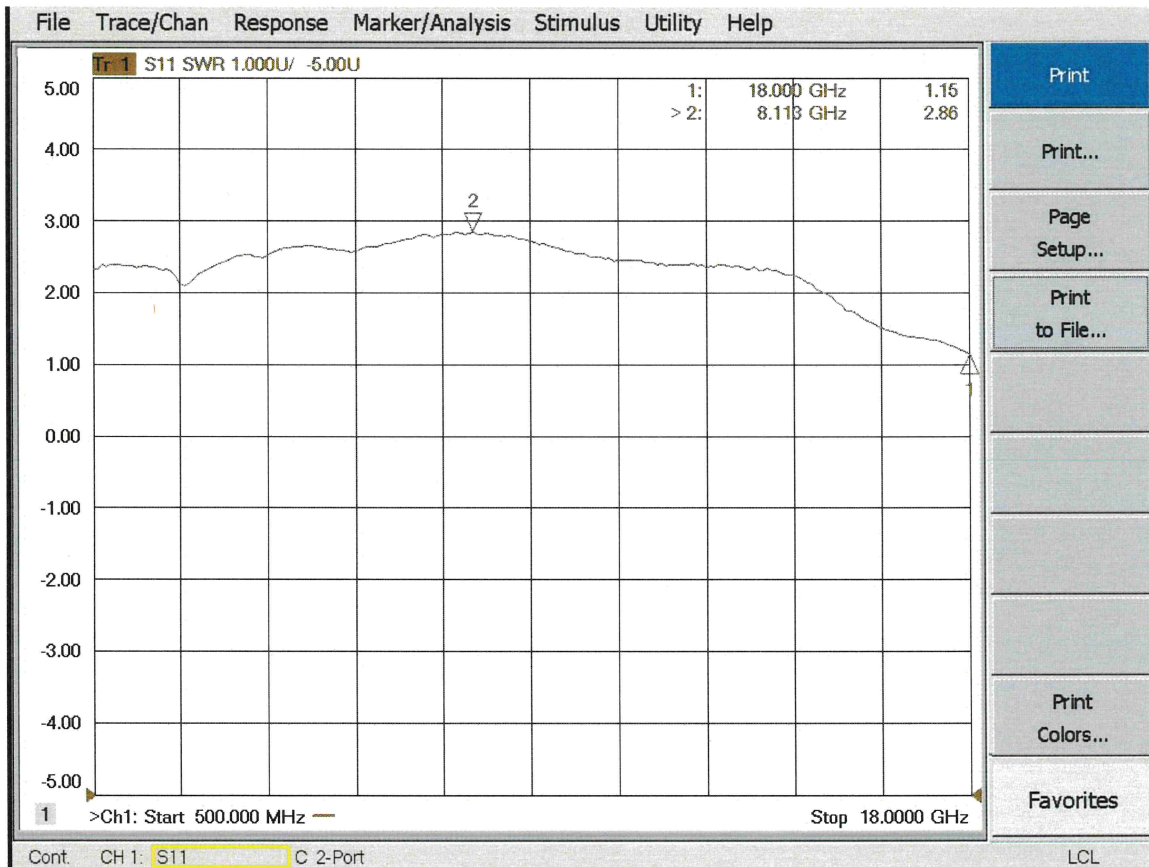
QA/QC Approval: K. Klemm Date: 11-22-24



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PL50184/2447

VSWR Plot





SUMMARY TEST DATA
ON
DD-20-218-5PF-1-N-FM-OPT0518

PL50184/2447

Flatness Plot

MODEL: DD-20-218-5PF-1-N-M-OPT0518
SERIAL NO: PL50184
Test Temp: +25C
TESTED BY: FCC
DATE: 11/18/24



INPUT POWER= -20dBm

0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0
-11.9	-11.1	-11.4	-11.4	-10.0	-9.9	-9.5	-9.0	-7.8	-8.6	-8.6	-10.1	-9.1	-9.9	-9.2	-9.5	-9.4	-9.4	-8.5
0.0	0.3	0.2	0.2	0.7	0.8	1.0	1.2	1.8	1.4	1.4	0.7	1.2	0.8	1.1	1.0	1.0	1.0	1.5

0.90

971

Frequency (GHz)
Measured (mV)
Flatness Error (dB)
+/- Error (dB)
Sensitivity (mV/mW) Typ

Detector V-Out VS frequency

