



**SUMMARY TEST DATA
ON
GMTA-1002**

PL31741/2111

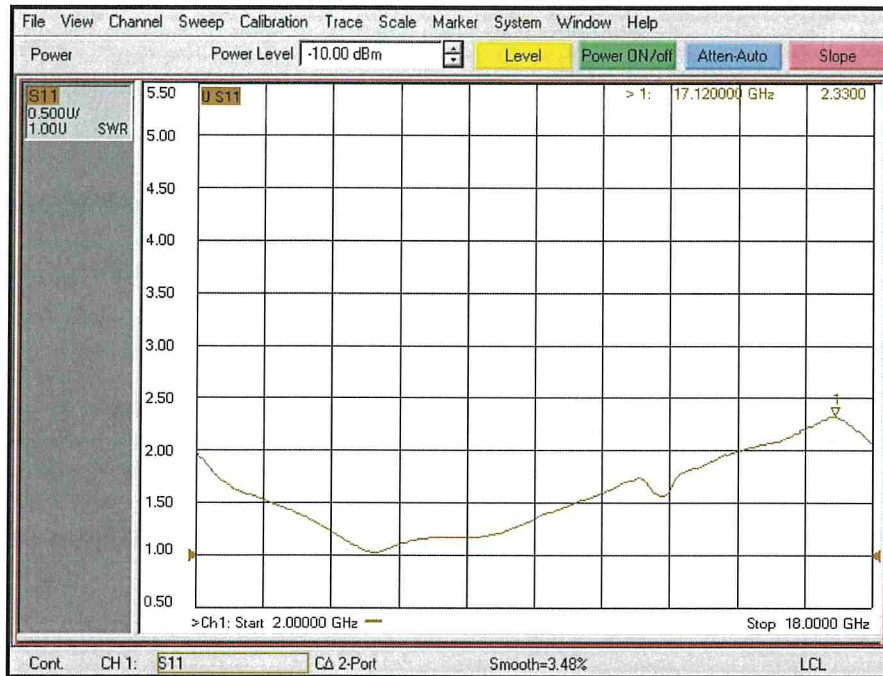
Customer: _____	Tested By: <u>J Boze</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>GMTA-1002</u>	Date: <u>03/17/2021</u>
Serial No: <u>PL31741/2111</u>	Drawing No: <u>27619821</u> Rev: <u>A4</u>

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Frequency Range:	2 GHz to 18 GHz	2 GHz to 18 GHz See Plot	PMI QA3	
2	Input Operating Range:	-18 to -23 dBm (2-18 GHz)	-18 to -23 dBm		
3	Input VSWR:	2.5 : 1 @ Pin = -10 dBm	2.33:1 See Plot		
4	Threshold Level:	Pin = -18 to -23 dBm @ 25°C	Max.= -20.7 dBm Min.= -21.4 dBm		
5	Threshold Setting Stability:	±3.0 dB Max (Over Temp and Frequency)	± 0.78 dB		
6	Maximum Input Power:	+10 dBm (Without Damage)	Pass		
7	Detected Output:	TLL High (1) – On TLL Low (0) – Off	Pass		
8	Response Time:	100µs Max	Pass		
9	DC Supply:	+12VDC @ 50mA	+12VDC @ 40mA		PMI QA3



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THRESHOLD SETTING STABILITY
± 3 dB max OVER FREQUENCY @ TEMPERATURE

FREQ.	2 GHz	4 GHz	6 GHz	8 GHz	10 GHz	12 GHz	14 GHz	16 GHz	18 GHz
Pin @ -20 ° C	-21.4	-22.1	-21.6	-20.9	-21.2	-21.4	-21.3	-20.8	-21.2
Pin @ 25 ° C	-21.3	-22.0	-21.4	-20.8	-20.9	-21.1	-21.0	-20.7	-20.8
Pin @ 85 ° C	-21.2	-21.9	-21.4	-20.8	-21.0	-20.8	-20.9	-20.6	-20.7

QA/QC Approval:

Arthur Zimmerman

Date:

3-22-2021

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