

**SUMMARY TEST DATA  
ON  
PLDRO-18D6G-25M-EXT-ROHS**

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: PLDRO-18D6G-25M-EXT-ROHS  
Serial No: PL56185/2545

Tested By: K Craven  
Temperature: 25°C  
Date: 2/25/2026  
Drawing No: 27647260 Rev: A1

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC	
1	Output Frequency	18.6 GHz	18.6 GHz	PMI QA2	
2	Reference Frequency	25 MHz	25 MHz		
3	Input Power Level	+10 ±3 dBm	+10 ±3 dBm		
4	No Lock Break VSWR	3:1 Max	Pass		
5	Output Power Level	+13 to +15 dBm Min	13.3 dBm		
6	Output Spurious (10 MHz to 2 GHz)	-76 dBc Max	-82.6 dBc		
7	Output Harmonics	-20 dBc Min	-57.9 dBc		
8	Output SSB Phase Noise	-40 dBc/Hz @ 10 Hz Max -65 dBc/Hz @ 100 Hz Max -95 dBc/Hz @ 1 kHz Max -105 dBc/Hz @ 10 kHz Max -110 dBc/Hz @ 100 kHz Max -125 dBc/Hz @ 1 MHz Max -135 dBc/Hz @ ≥10 MHz Max	-58 dBc/Hz @ 10 Hz -89 dBc/Hz @ 100 Hz -112 dBc/Hz @ 1 kHz -120 dBc/Hz @ 10 kHz -119 dBc/Hz @ 100 kHz -141 dBc/Hz @ 1 MHz -157 dBc/Hz @ 10 MHz		
9	Reference Input Spurious	-80 dBc Max	-80 dBc Max		
10	External Reference Phase Noise	-110 dBc/Hz @ 10 Hz Max -137 dBc/Hz @ 100 Hz Max -156 dBc/Hz @ 1 kHz Max -165 dBc/Hz @ 10 kHz Max -168 dBc/Hz @ 100 kHz Max	-110 dBc/Hz @ 10 Hz Max -137 dBc/Hz @ 100 Hz Max -156 dBc/Hz @ 1 kHz Max -165 dBc/Hz @ 10 kHz Max -168 dBc/Hz @ 100 kHz Max		PMI QA2

\*Spurious maximum measured value includes both wideband sweep spurs and sidebands close to carrier.



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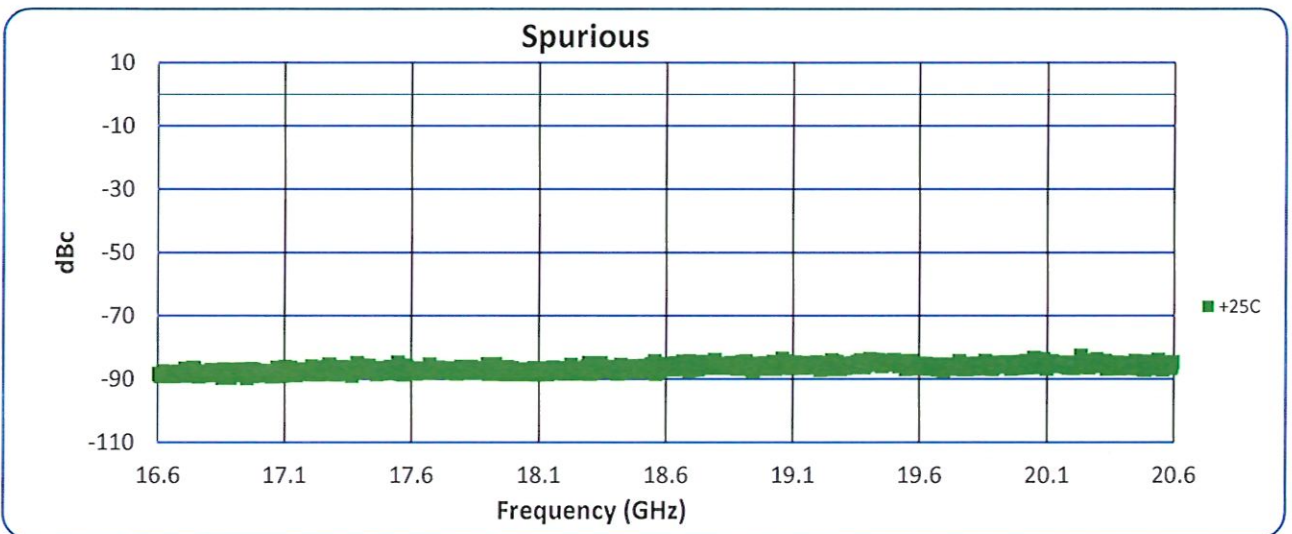
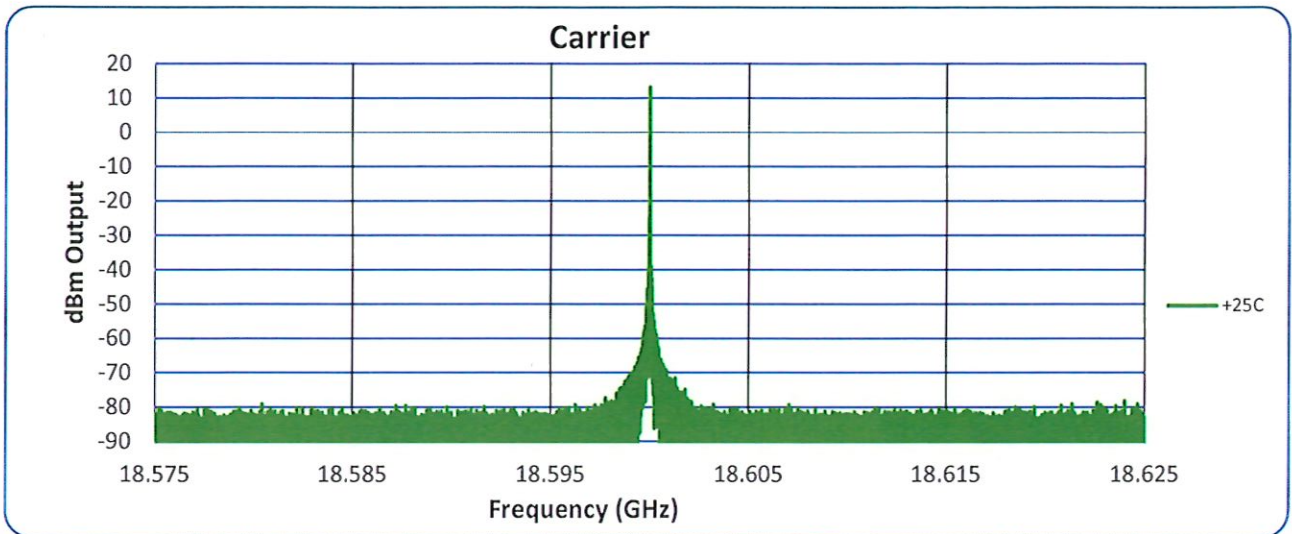
TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC
11	Lock Detector	TTL High - In Lock; TTL Low - Out of Lock	TTL High - In Lock; TTL Low - Out of Lock	PMI QA2
12	Supply Voltage	+12±0.5V @ 500mA Max (@ 25°C)	+12 ± 0.5V @ 400 mA	PMI QA2
13	Phase Voltage Monitor Output	0V to +12V	0V to +12V	
14	Cold Start Temperature:	-45°C Max	-45°C Max	

QA/QC Approval:  PMI  
QA2 Date: 2/26/2026

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: sales@quanticpmi.com



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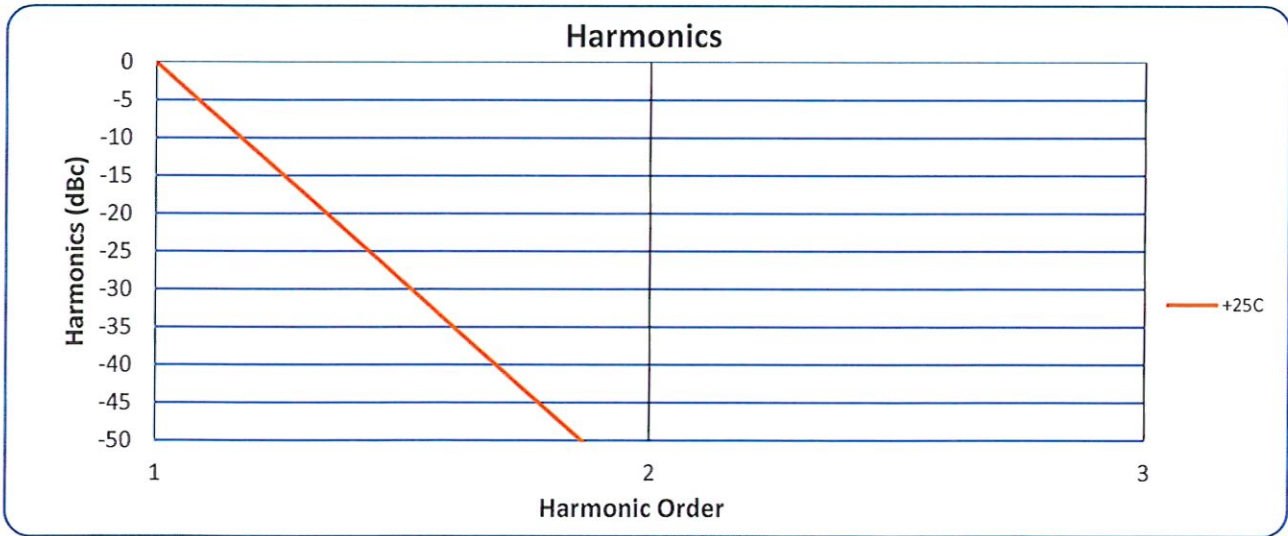
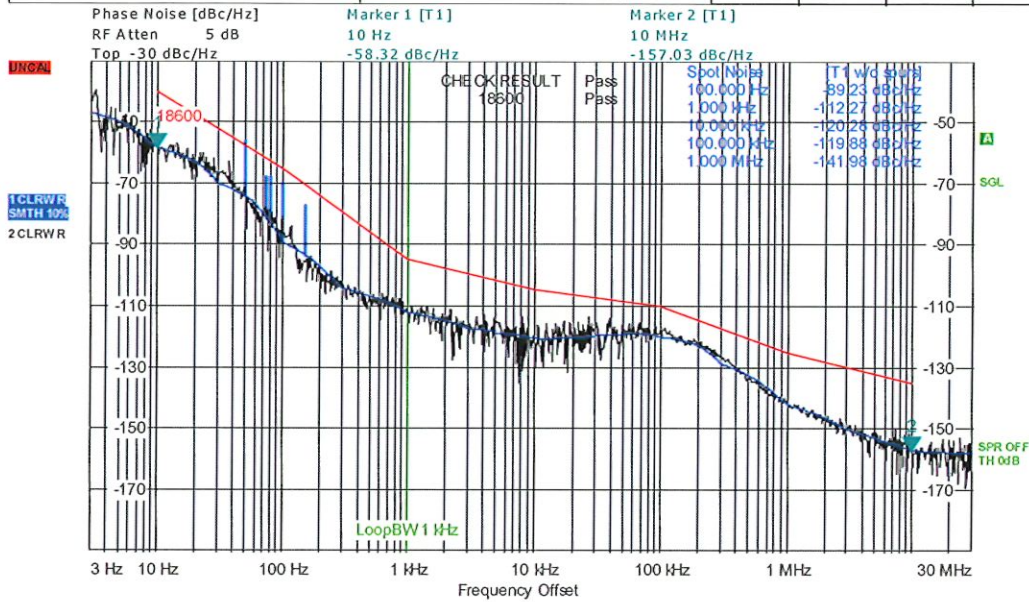


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**Phase Noise**

Settings		Residual Noise [T1 w/o spurs]		Phase Detector +20 dB	
Signal Frequency:	18.600003 GHz	Int PHN (3.0 .. 30.0 M)	-41.8 dBc		
Signal Level:	3.57 dBm	Residual PM	0.659 °		
Cross Corr Mode	Harmonic 1	Residual FM	1.754 kHz		
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.0984 ps		



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