



SUMMARY TEST DATA
ON
PLDRO-13D95G-25M-EXT-ROHS

Customer: _____
 SO No: _____
 Model No: PLDRO-13D95G-25M-EXT-ROHS
 Serial No: PL56020R/2543

Tested By: K Craven
 Temperature: 25°C
 Date: 2/25/2026
 Drawing No: 27647240 Rev: A1

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC
1	Output Frequency	13.95 GHz	13.95 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	16 dBm	
6	Output Spurious (10 MHz to 2 GHz)	-76 dBc Max	-87.5 dBc	
7	Output Harmonics	-20 dBc Min	-29.3 dBc	
8	Output SSB Phase Noise	-46 dBc/Hz @ 10 Hz Max -71 dBc/Hz @ 100 Hz Max -101 dBc/Hz @ 1 kHz Max -111 dBc/Hz @ 10 kHz Max -116 dBc/Hz @ 100 kHz Max -131 dBc/Hz @ 1 MHz Max -141 dBc/Hz @ ≥10 MHz Max	-62 dBc/Hz @ 10 Hz -93 dBc/Hz @ 100 Hz -113 dBc/Hz @ 1 kHz -121 dBc/Hz @ 10 kHz -124 dBc/Hz @ 100 kHz -144 dBc/Hz @ 1 MHz -150 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.

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



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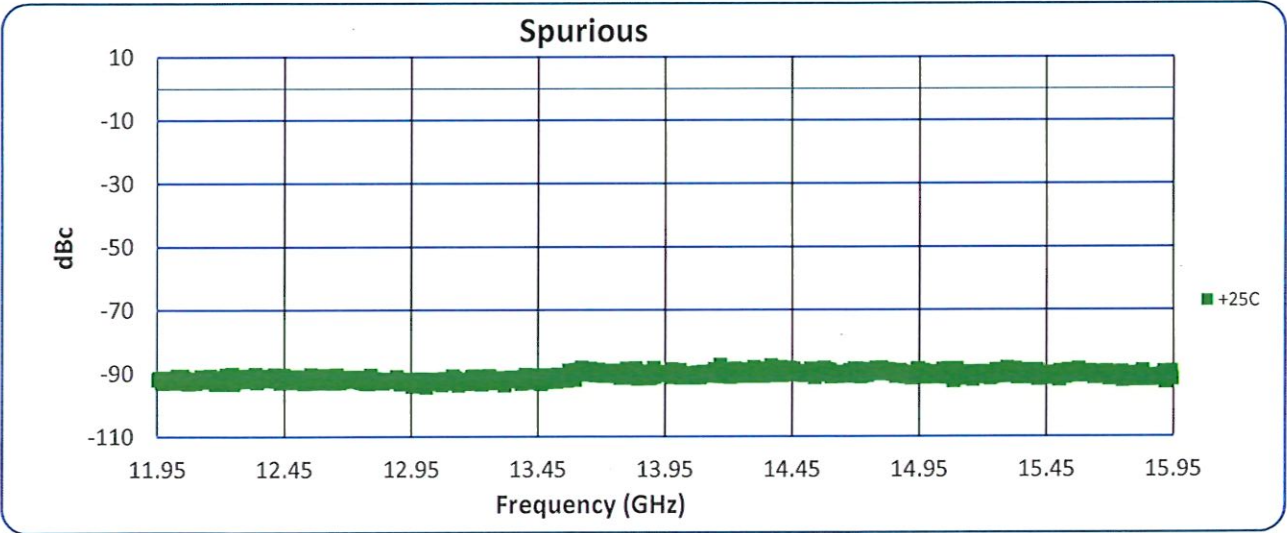
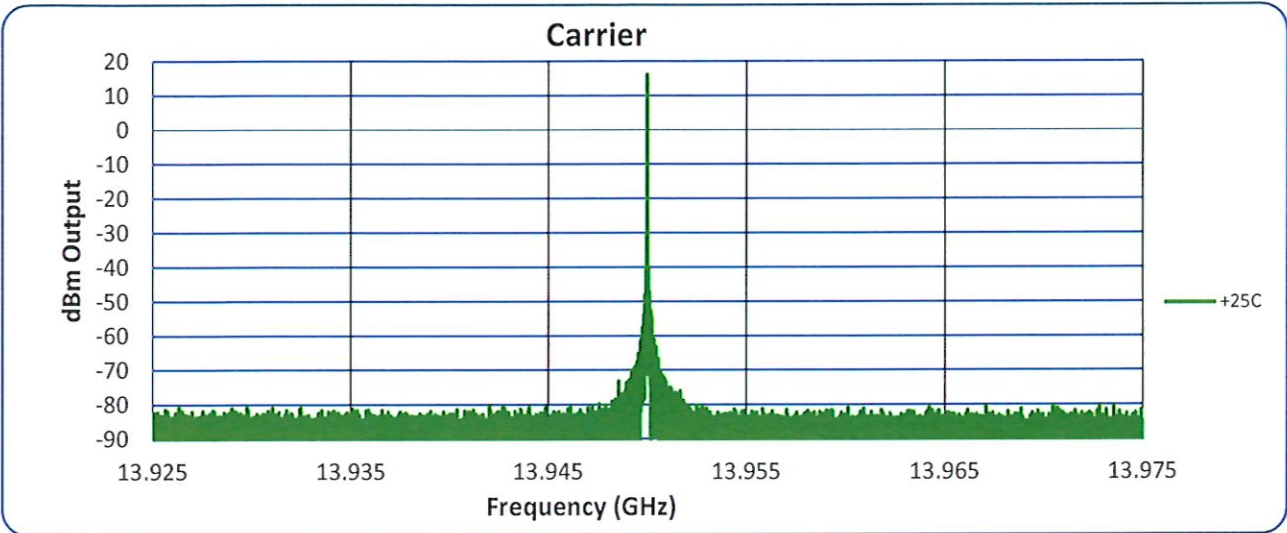
TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC
11	Lock Detector	TTL High - In Lock; TTL Low - Out of Lock	TTL High - In Lock; TTL Low - Out of Lock	PMI QA2
12	Supply Voltage	+12±0.5V @ 500mA Max (@ 25°C)	+12 ± 0.5V @ 380 mA	
13	Phase Voltage Monitor Output	0V to +12V	0V to +12V	
14	Cold Start Temperature:	-45°C Max	-45°C Max	

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

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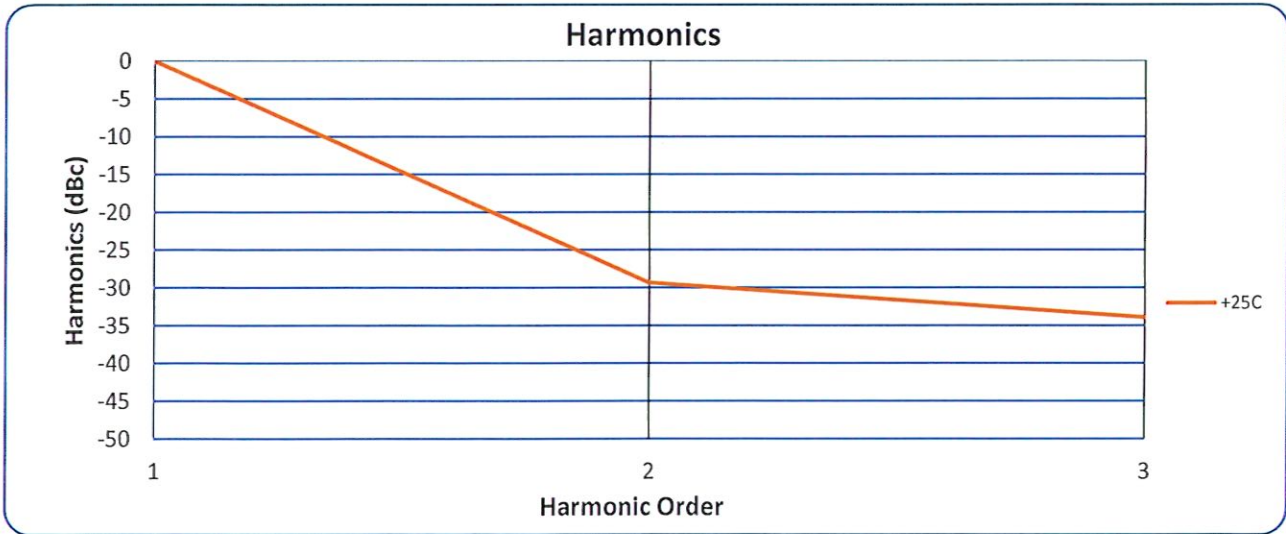
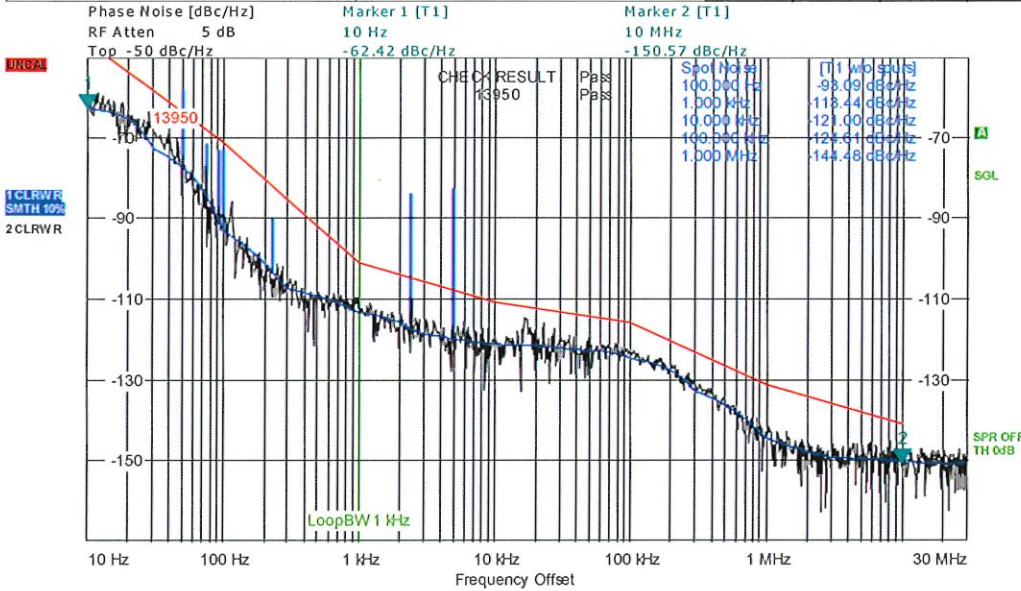


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Phase Noise

R&S FSUP 50 Signal Source Analyzer				LOCKED
Settings		Residual Noise [T1 w/o spurs]		Phase Detector +20 dB
Signal Frequency:	13.950002 GHz	Int PHN (10.0 .. 30.0 M)	-51.5 dBc	
Signal Level:	3.92 dBm	Residual PM	0.215 °	
Cross Corr Mode	Harmonic 1	Residual FM	3.875 kHz	
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.0429 ps	



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