

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

Customer: _____
SO No: _____
Model No: PLDRO-13D95G-25M-EXT-ROHS
Serial No: PL43117/2348

Tested By: K. Craven
Temperature: 25°C
Date: 11/30/2023
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 $\pm$ 3 dBm	+10 $\pm$ 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	-94.3 dBc	
7	Output Harmonics	-20 dBc Min	-25.14 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 @ $\geq$ 10 MHz Max	-60.02 dBc/Hz @ 10 Hz -95.22 dBc/Hz @ 100 Hz -113.82 dBc/Hz @ 1 kHz -116.03 dBc/Hz @ 10 kHz -121.48 dBc/Hz @ 100 kHz -146.06 dBc/Hz @ 1 MHz -158.22 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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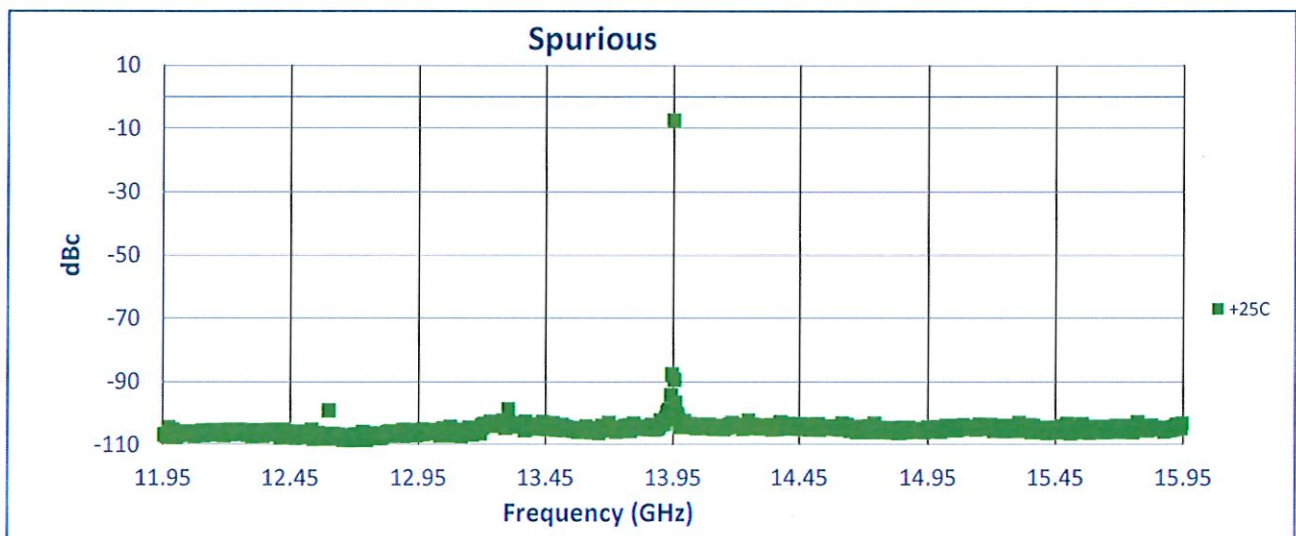
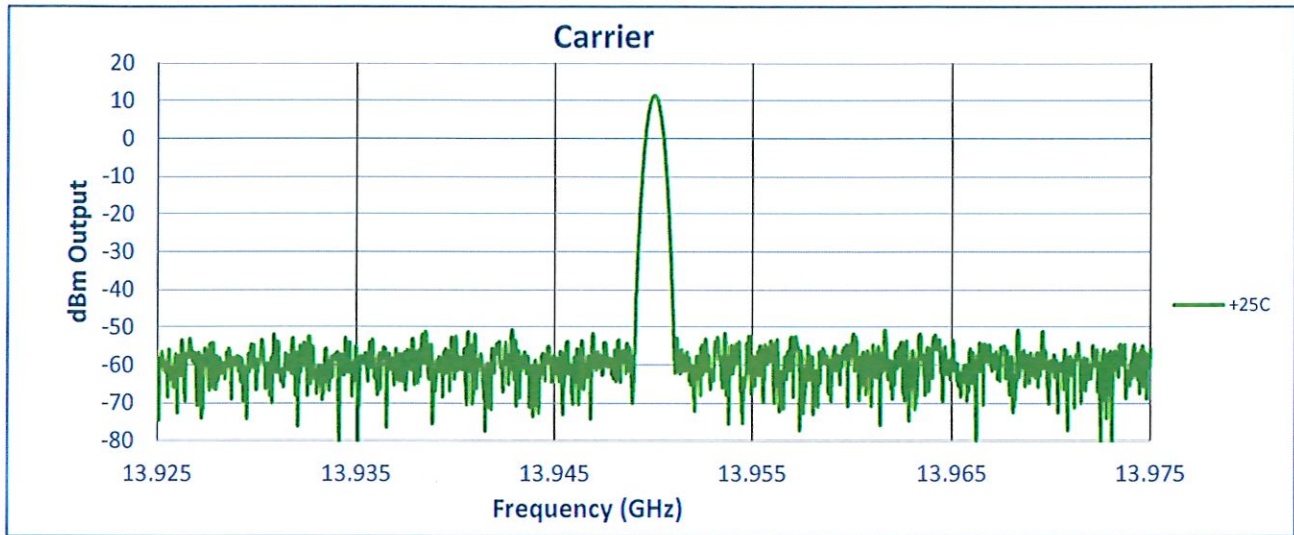
TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC
11	Lock Detector	TTL High - In Lock; TTL Low - Out of Lock	TTL High - In Lock; TTL Low - Out of Lock	PMI QA2
12	Supply Voltage	+12±0.5V @ 500mA Max (@ 25°C)	+12 ± 0.5V @ 370 mA	
13	Phase Voltage Monitor Output	0V to +12V	0V to +12V	
14	Cold Start Temperature:	-45°C Max	-45°C Max	PMI QA2

QA/QC Approval:  PMI
QA2

Date: 11/30/2023

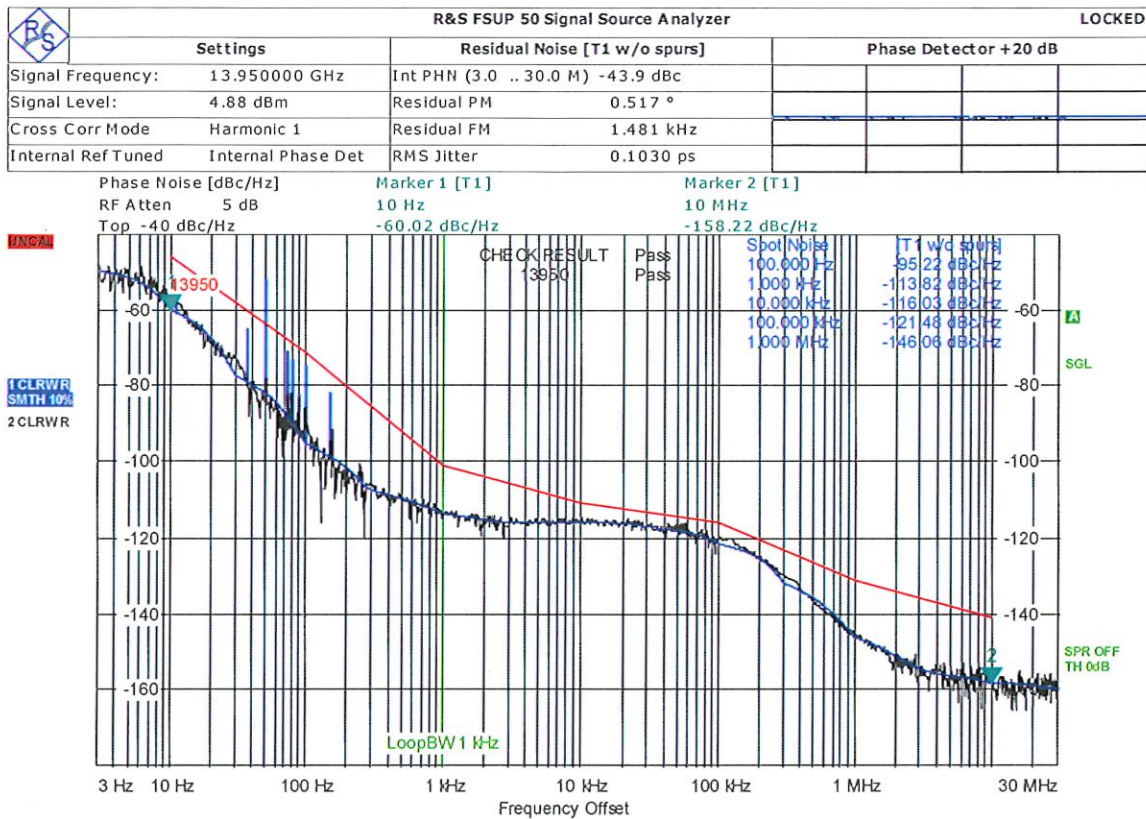
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Phase Noise



Harmonics

-25.14 dBc

