

SUMMARY TEST DATA

ON

PLDRO-18D6G-25M-EXT-ROHS

Customer: _____
 SO No: _____
 Model No: PLDRO-18D6G-25M-EXT-ROHS
 Serial No: PL43119/2348

Tested By: K Craven
 Temperature: 25°C
 Date: 6/9/2025
 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	13.5 dBm	
6	Output Spurious (10 MHz to 2 GHz)	-76 dBc Max	-80.5 dBc	
7	Output Harmonics	-20 dBc Max	-80.87 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 -110 dBc/Hz @ 1 kHz -118 dBc/Hz @ 10 kHz -121 dBc/Hz @ 100 kHz -142 dBc/Hz @ 1 MHz -156 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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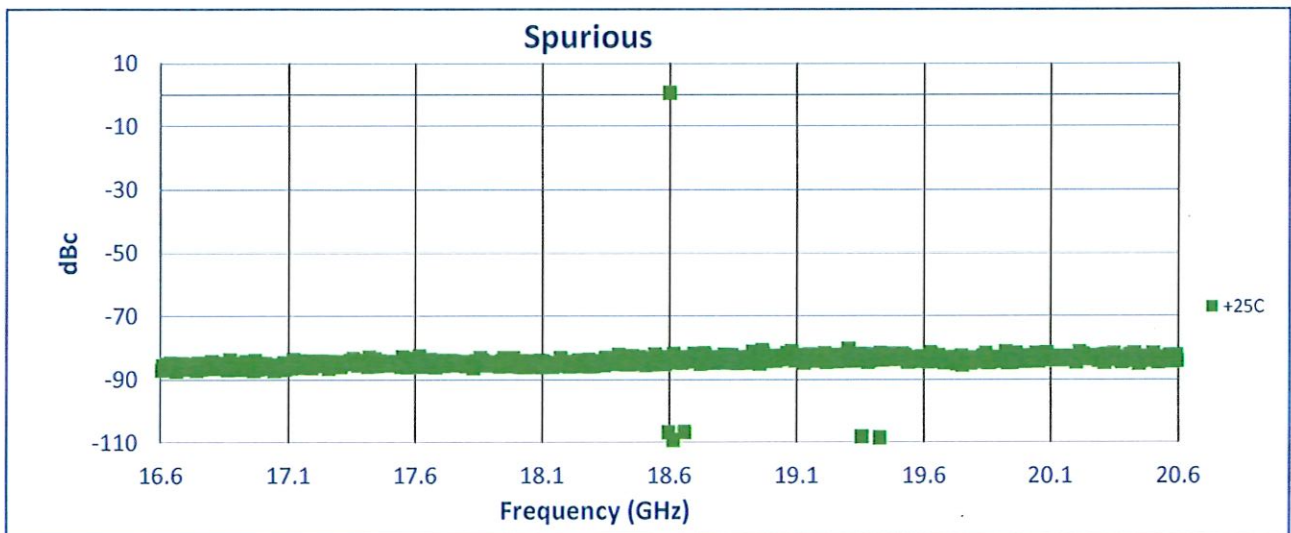
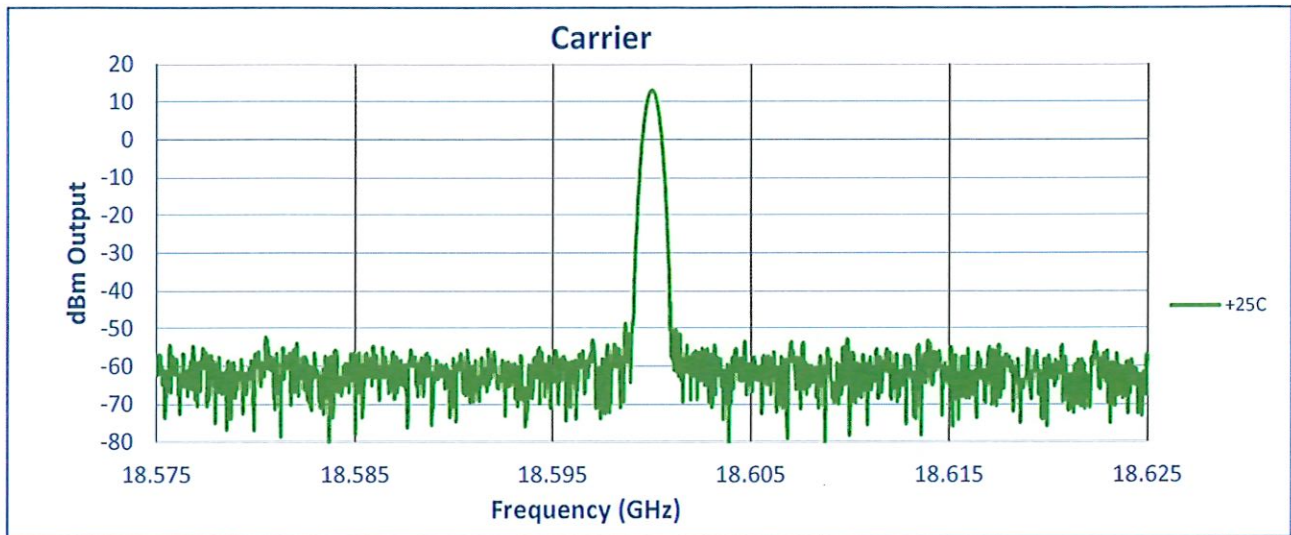
TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC
11	Lock Detector	TTL High - In Lock; TTL Low - Out of Lock	TTL High - In Lock; TTL Low - Out of Lock	PMI QA2
12	Supply Voltage	+12±0.5V @ 500mA Max (@ 25°C)	+12 ± 0.5V @ 400 mA	1
13	Phase Voltage Monitor Output	0V to +12V	0V to +12V	
14	Cold Start Temperature:	-45°C Max	-45°C Max	PMI QA2

QA/QC Approval:  PMI
QA2

Date: 6/11/2025

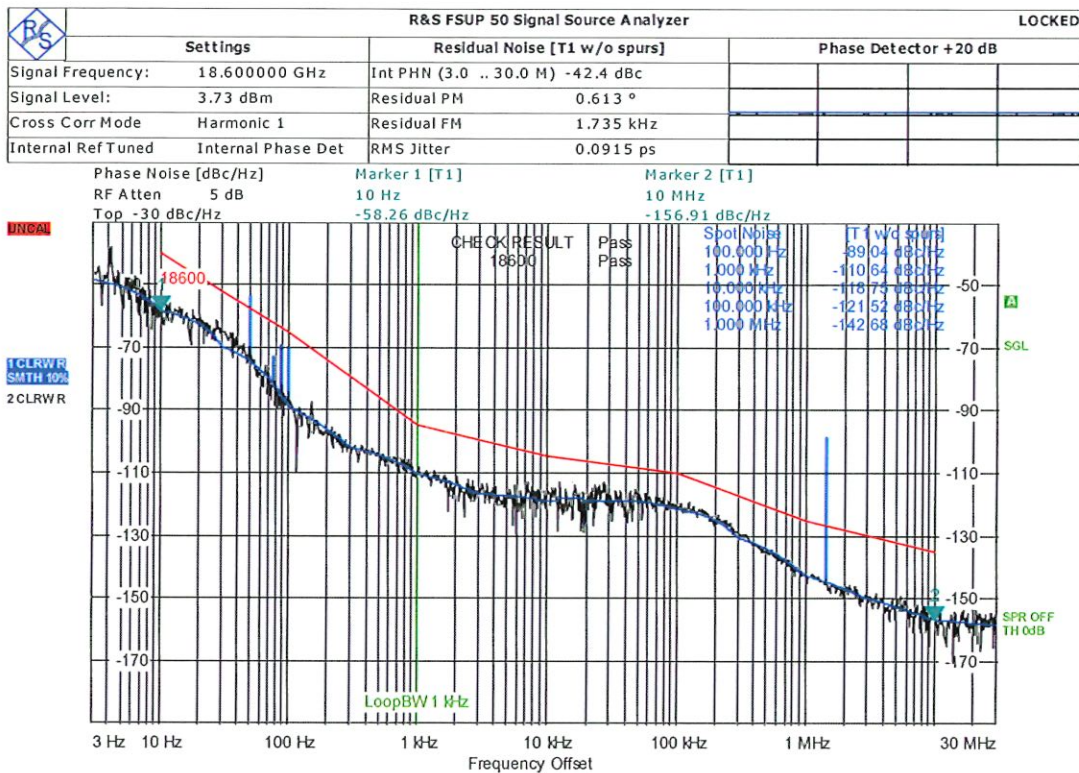
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Phase Noise



Harmonics

-80.87 dBc

