

SUMMARY TEST DATA ON PLDRO-19D050G-25M-EXT-ROHS

Customer: _____
 SO No: _____
 Model No: **PLDRO-19D050G-25M-EXT-ROHS**
 Serial No: **PL44100/2405**

Tested By: **Rony Castellanos**
 Temperature: **25°C**
 Date: **2/1/2024**
 Drawing No: **27647260** Rev: **A1**

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC
1	Output Frequency	19.050 GHz	19.050 GHz	
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	14.5 dBm	
6	Output Spurious (10 MHz to 2 GHz)	-76 dBc Max	-78.7 dBc	
7	Output Harmonics	-20 dBc Min	-57.47 dBc	
8	Output SSB Phase Noise	-42 dBc/Hz @ 10 Hz Max -67 dBc/Hz @ 100 Hz Max -98 dBc/Hz @ 1 kHz Max -106 dBc/Hz @ 10 kHz Max -109 dBc/Hz @ 100 kHz Max -126 dBc/Hz @ ≥1 MHz Max	-55.54 dBc/Hz @ 10 Hz -92.04 dBc/Hz @ 100 Hz -111.15 dBc/Hz @ 1 kHz -114.67 dBc/Hz @ 10 kHz 116.47 dBc/Hz @ 100 kHz -137.17 dBc/Hz @ 1 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	

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

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PL44100/2405

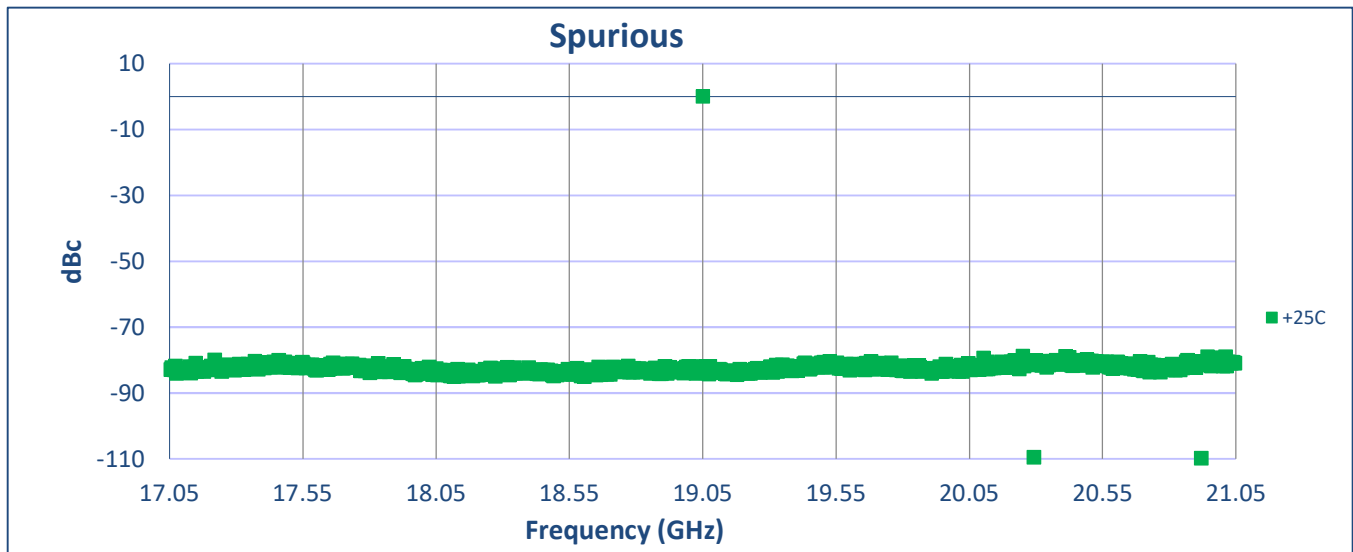
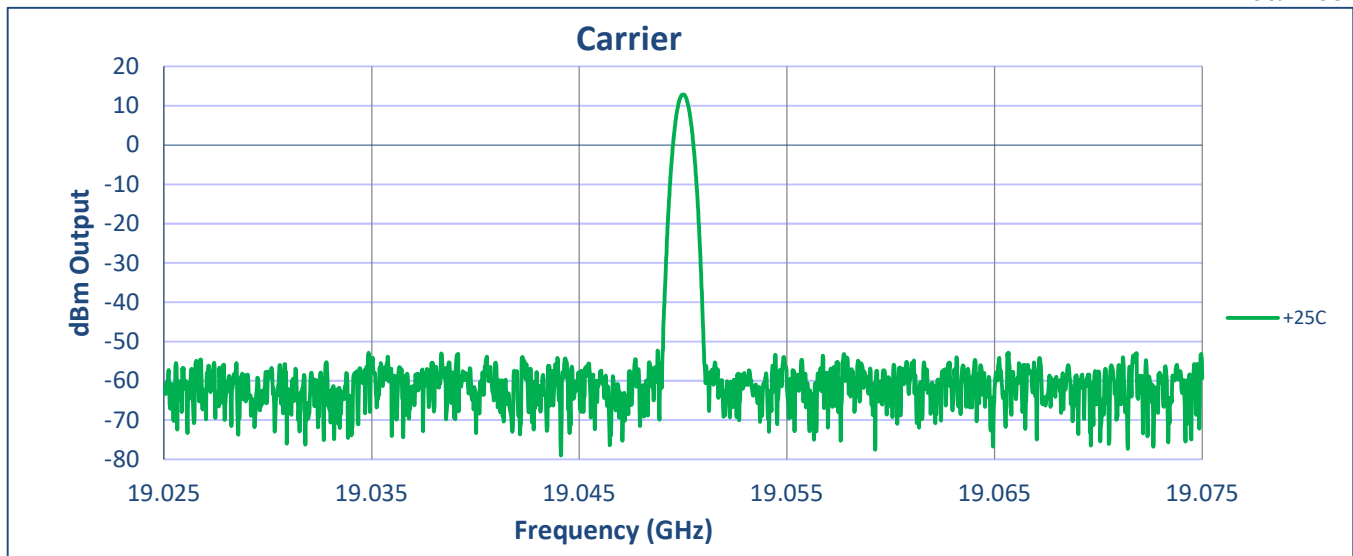
TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC
11	Lock Detector	TTL High - In Lock; TTL Low - Out of Lock	TTL High - In Lock; TTL Low - Out of Lock	
12	Supply Voltage	+12±0.5V @ 500mA Max (@ 25°C)	+12 ± 0.5V @ 360 mA	
13	Phase Voltage Monitor Output	0V to +12V	0V to +12V	
14	Cold Start Temperature:	-45°C Max	-45°C Max	

QA/QC Approval: _____

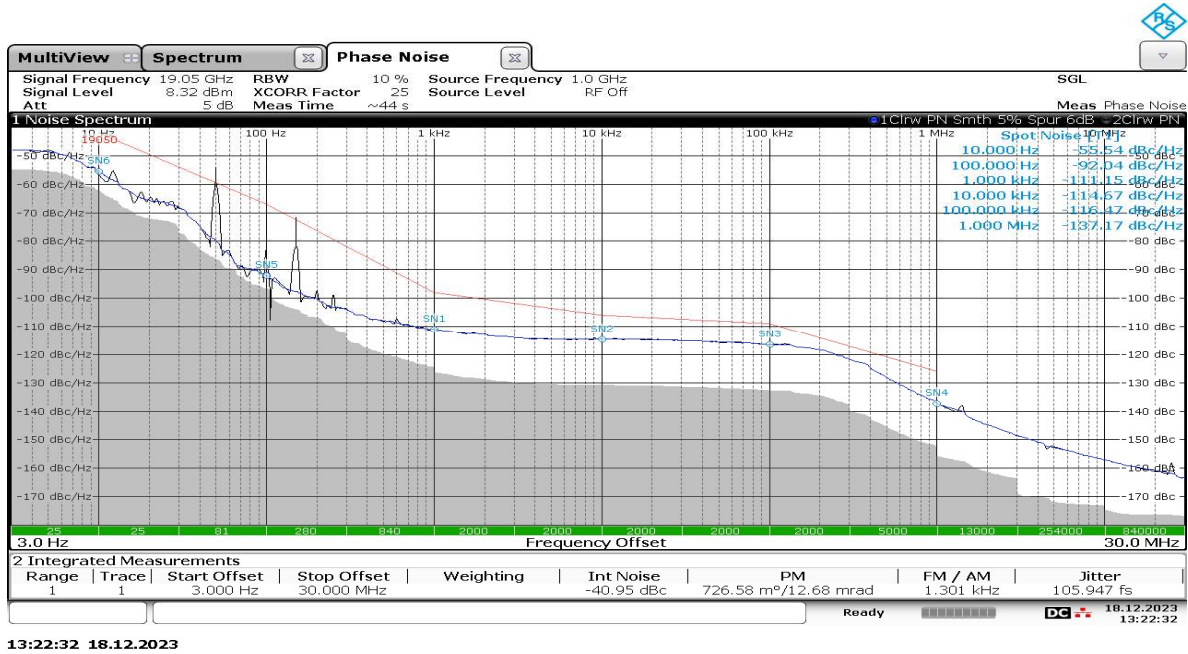
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Phase Noise



Harmonics

-57.47 dBc

