

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

Customer: _____
 SO No: _____
 Model No: PLDRO-13D95G-25M-EXT-ROHS
 Serial No: PL43115/2348

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 ±3 dBm	+10 ±3 dBm	
4	No Lock Break VSWR	3:1 Max	Pass	
5	Output Power Level	+13 to +15 dBm Min	14 dBm	
6	Output Spurious (10 MHz to 2 GHz)	-76 dBc Max	-94 dBc	
7	Output Harmonics	-20 dBc Min	-30.18 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	-60.85 dBc/Hz @ 10 Hz -94.37 dBc/Hz @ 100 Hz -114.89 dBc/Hz @ 1 kHz -117.41 dBc/Hz @ 10 kHz -120.92 dBc/Hz @ 100 kHz -145.39 dBc/Hz @ 1 MHz -158.29 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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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:

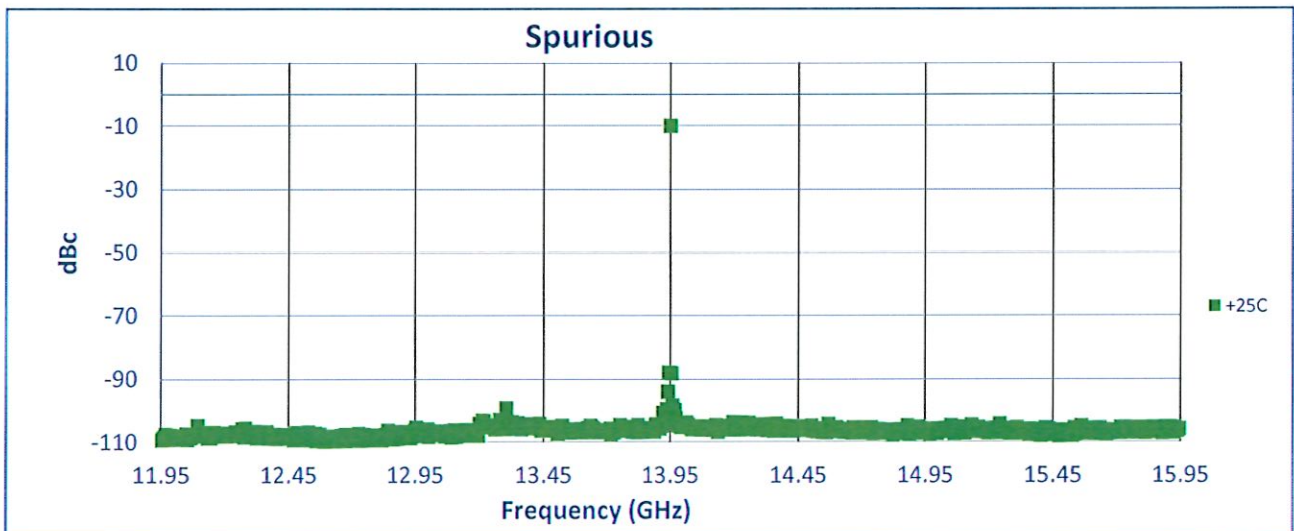
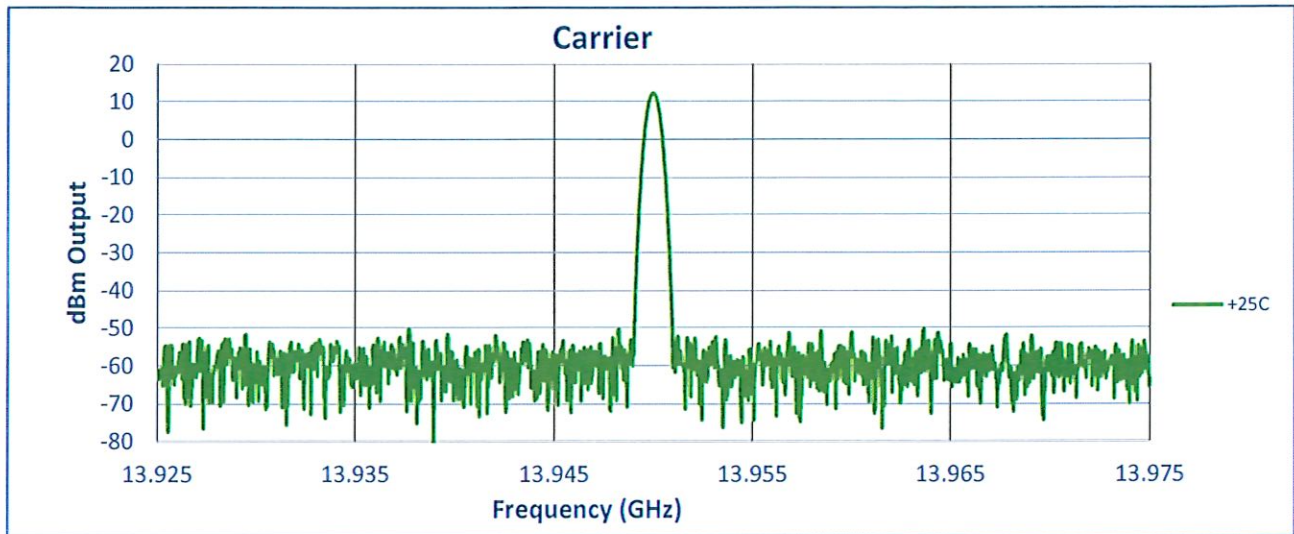


Date:

11/30/2023

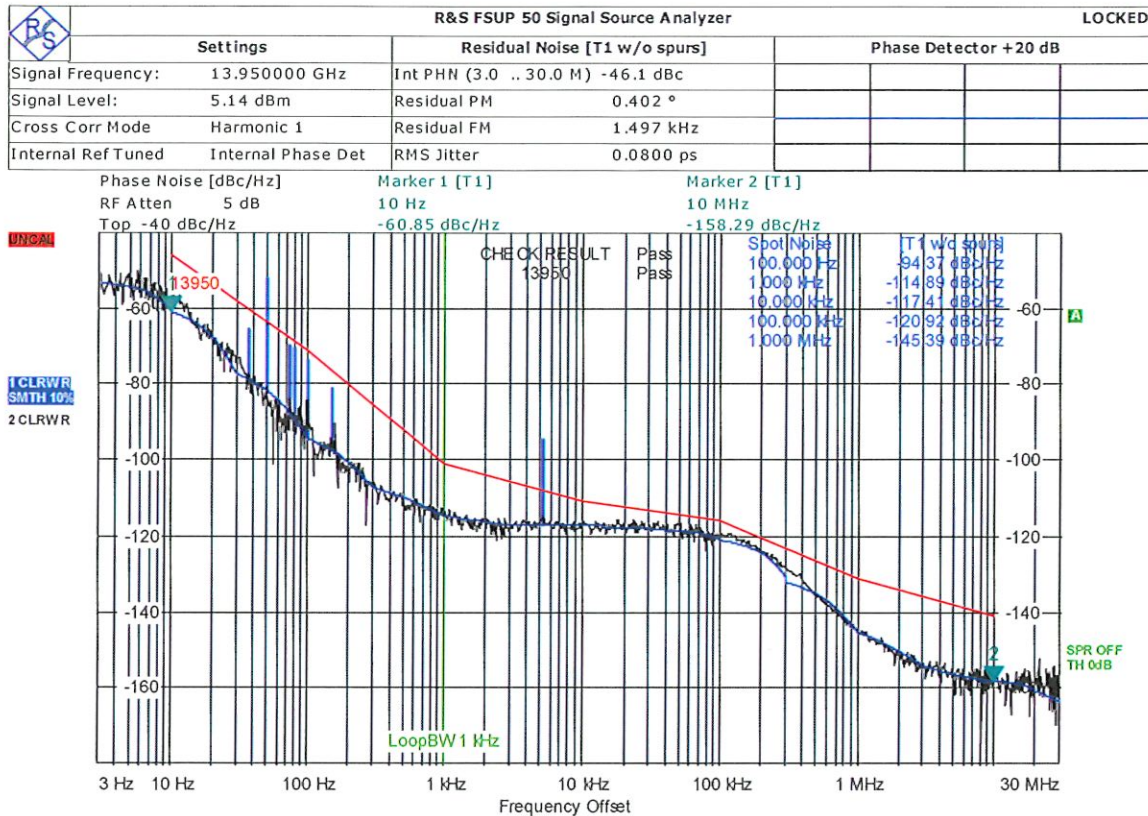
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Phase Noise



Harmonics

-30.18 dBc

