



**SUMMARY TEST DATA  
ON  
PLDRO-12522R24M-13DBM-SFF-ROHS**

PL46812/2425

Customer: \_\_\_\_\_ Tested By: K Craven  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: PLDRO-12522R24M-13DBM-SFF-ROHS Date: 6/19/24  
Serial No: PL46812/2425 Drawing No: 27634480 Rev: B1

| TEST ITEM | PARAMETERS            | SPECIFIED VALUE          |         | TEST RESULTS | QA QC   |
|-----------|-----------------------|--------------------------|---------|--------------|---------|
| 1         | Frequency Range (fo)  | 12.52224 GHz             |         | 12.52224 GHz | PMI QA4 |
| 2         | External Reference    | 130.44 MHz               |         | 130.44 MHz   |         |
| 3         | Reference Input Power | 0 ± 3 dBm                |         | 0 ± 3 dB     |         |
| 4         | Output Power          | 13 dBm Min               |         | 14.31 dBm    |         |
| 5         | Spurious              | -70 dBc Max In Band      |         | -82.60 dBc   |         |
| 6         | Harmonics             | -20 dBc Max              |         | -30.76 dBc   |         |
| 7         | Phase Noise           | -67 dBc/Hz Min           | 100 Hz  | See Plot     |         |
|           |                       | -96 dBc/Hz Min           | 1 kHz   |              |         |
|           |                       | -110 dBc/Hz Min          | 10 kHz  |              |         |
|           |                       | -115 dBc/Hz Min          | 100 kHz |              |         |
|           |                       | -130 dBc/Hz Min          | 1 MHz   |              |         |
| 8         | DC Power              | +12 to +15V @ 350 mA Max |         | +15@ 210 mA  |         |
| 9         | Lock Detect           | TTL High In Lock         |         | Pass         | PMI QA4 |

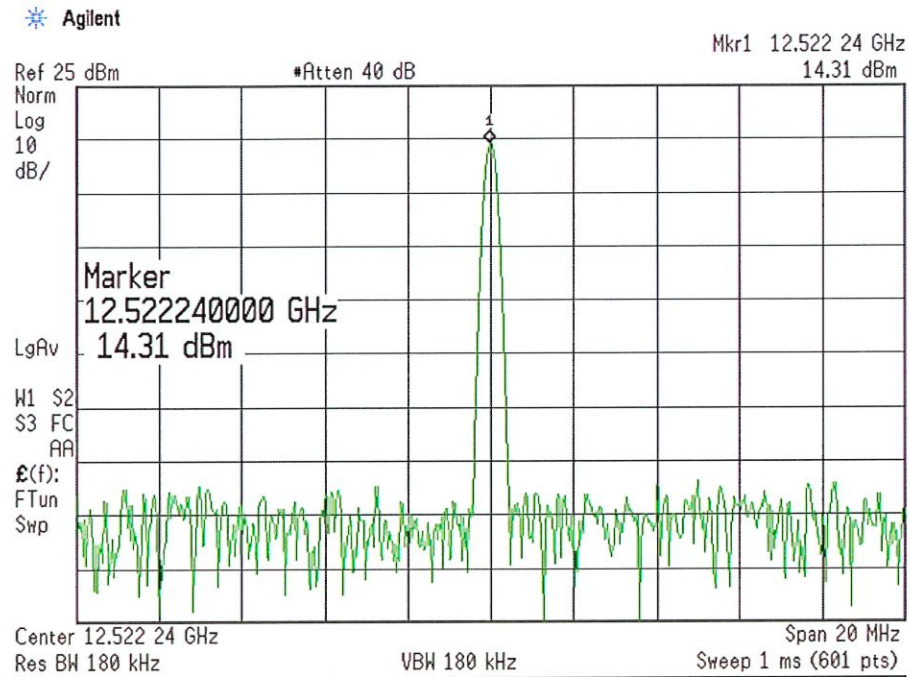
QA/QC Approval: *Camron Kelly* Date: 6/21/24



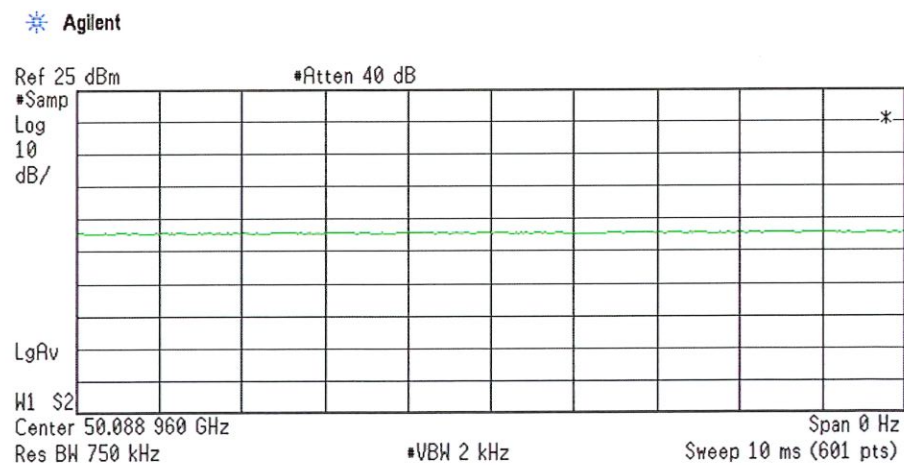
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Carrier Signal



Harmonics



|   | Frequency | Amplitude  |
|---|-----------|------------|
| 1 | 12.52 GHz | 14.49 dBm  |
| 2 | 25.04 GHz | -30.76 dBc |
| 3 | 37.57 GHz | -33.83 dBc |
| 4 | 50.09 GHz | -43.58 dBc |

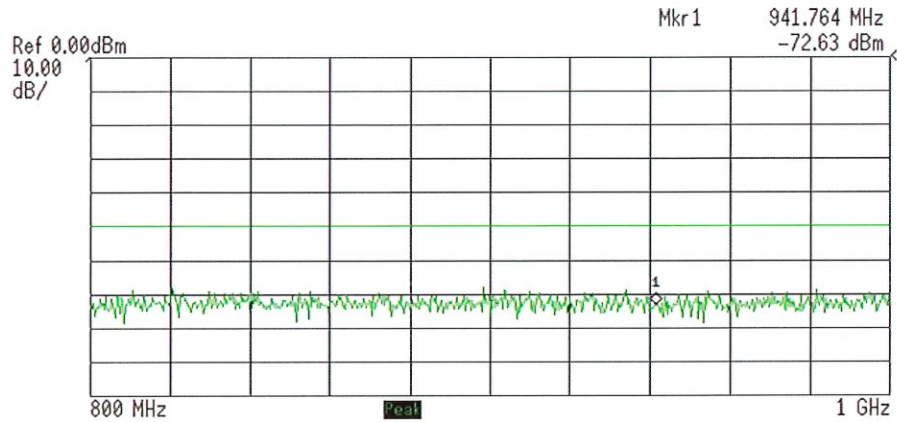


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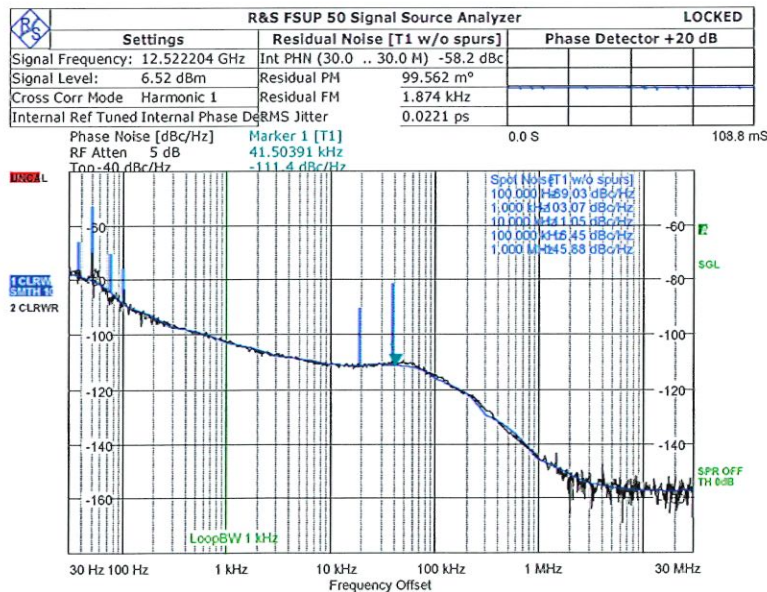
## Spurious

✱ Agilent



| Spur | Range | Frequency | Amplitude  | Limit      |
|------|-------|-----------|------------|------------|
| 18   | 2     | 1.896 GHz | -79.86 dBm | -50.00 dBm |
| 19   | 2     | 1.902 GHz | -79.10 dBm | -50.00 dBm |
| 20   | 2     | 1.906 GHz | -79.20 dBm | -50.00 dBm |
| 21   | 3     | 2.100 GHz | -83.55 dBm | -50.00 dBm |
| 22   | 5     | 941.8 MHz | -68.29 dBm | -50.00 dBm |

## Phase Noise Curve



Measurement Complete