

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

CUSTOMER: _____
SO: _____
MODEL NO: PLDRO-12522R24M-13DBM-SFF-ROHS
SERIAL NO: PL47837/2434

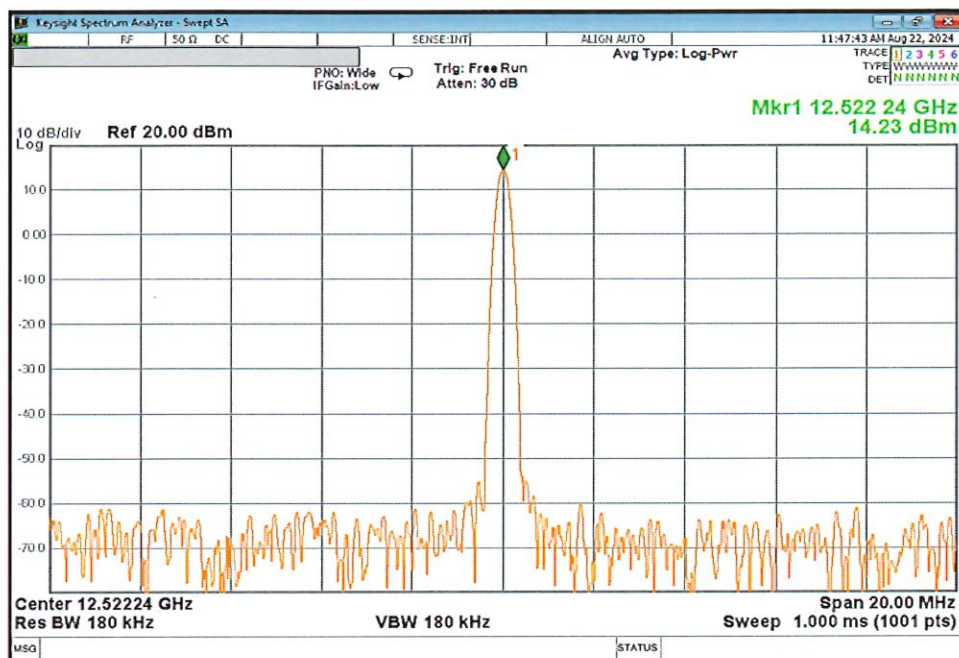
TESTED BY: K Craven
TEMPERATURE: +25°C
DATE: 8/21/2024
DRAWING NO: 27634480 REV: B2

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range	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 dB	
4	Output Power	13 dBm Min	14.2 dBm	
5	Spurious	-70 dBc Max In Band	< -70 dBc	
6	Harmonics	-20 dBc Max	-31.85 dBc	
7	Phase Noise	-67 dBc/Hz MIN @ 100 Hz -96 dBc/Hz MIN @ 1 kHz -110 dBc/Hz MIN @ 10 kHz -115 dBc/Hz MIN @ 100 kHz -130 dBc/Hz MIN @ 1 MHz	See Plot	
8	DC Power	+12 to +15V @ 350 mA Max	+15V @ 200 mA	
9	Lock Detect	TTL High In Lock	Pass	PMI QA4

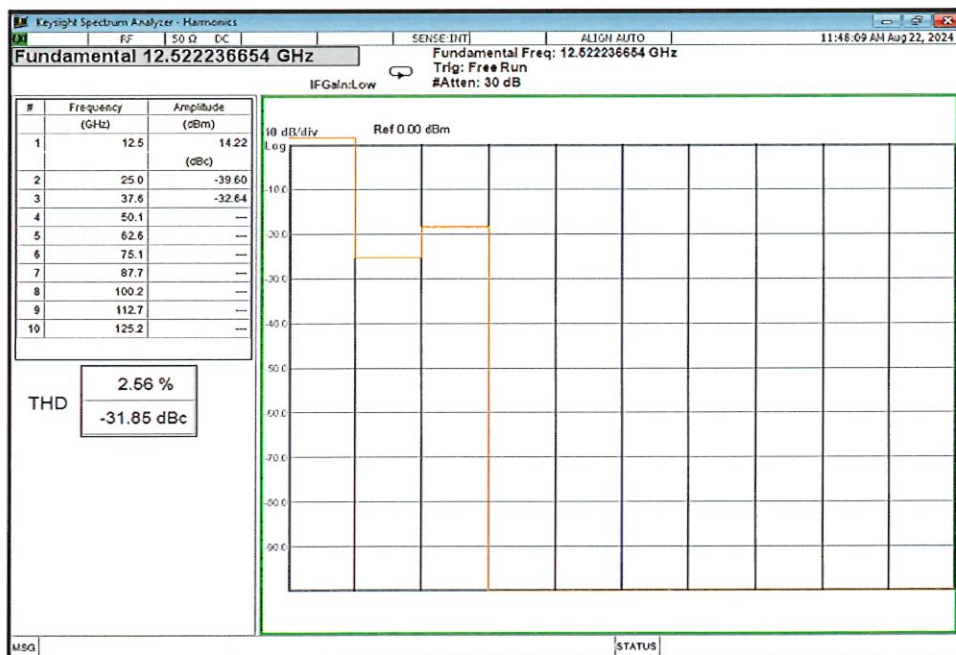
QA/QC Approval: *Cameron Kelly*

Date: 8/26/24

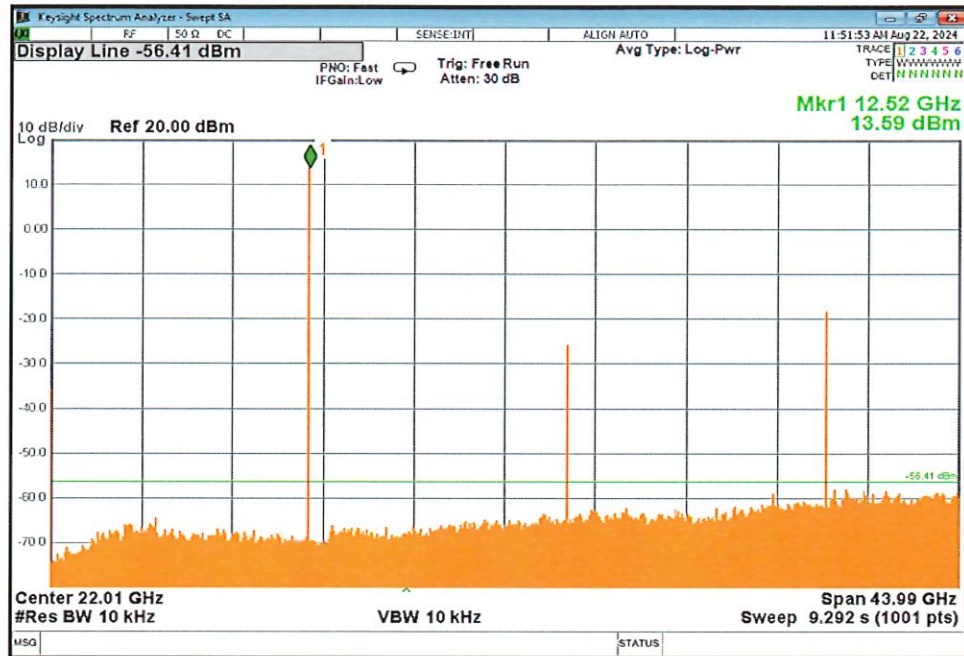
Carrier Signal



Harmonics



Spurious



Phase Noise Curve

BS	R&S FSUP 50 Signal Source Analyzer			LOCKED	
	Settings	Residual Noise [T1 w/o spurs]	Phase Detector +20 dB		
Signal Frequency:	12.522202 GHz	Int PHN (30.0 .. 30.0 M) -59.0 dBc			
Signal Level:	6.4 dBm	Residual PM 90.555 m°			
Cross Corr Mode	Harmonic 1	Residual FM 2.076 kHz			
Internal Ref Tuned	Internal Phase Det	RMS Jitter 0.0201 ps			

