



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

PL39561/2307

Customer: _____ Tested By: K. Wagaman
SO No: _____ Temperature: +25°C
Model No: PLDRO-12522R24M-13DBM-SFF Date: 5/30/23
Serial No: PL39561/2307 Drawing No: 27634480 Rev: B1

TEST ITEM	PARAMETERS	SPECIFIED VALUE		TEST RESULTS	QA QC
1	Frequency Range (fo)	12.52224 GHz		Pass	PMI QA2
2	External Reference	130.44 MHz		Pass	
3	Reference Input Power	0 ± 3 dBm		Pass	
4	Output Power	13 dBm Min		14.79 dBm	
5	Spurious	-70 dBc Max In Band		Pass	
6	Harmonics	-20 dBc Max		-36.53 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 @ 196 mA	
9	Lock Detect	TTL High In Lock		Pass	PMI QA2

QA/QC Approval: _____

PMI
QA2

Date: _____

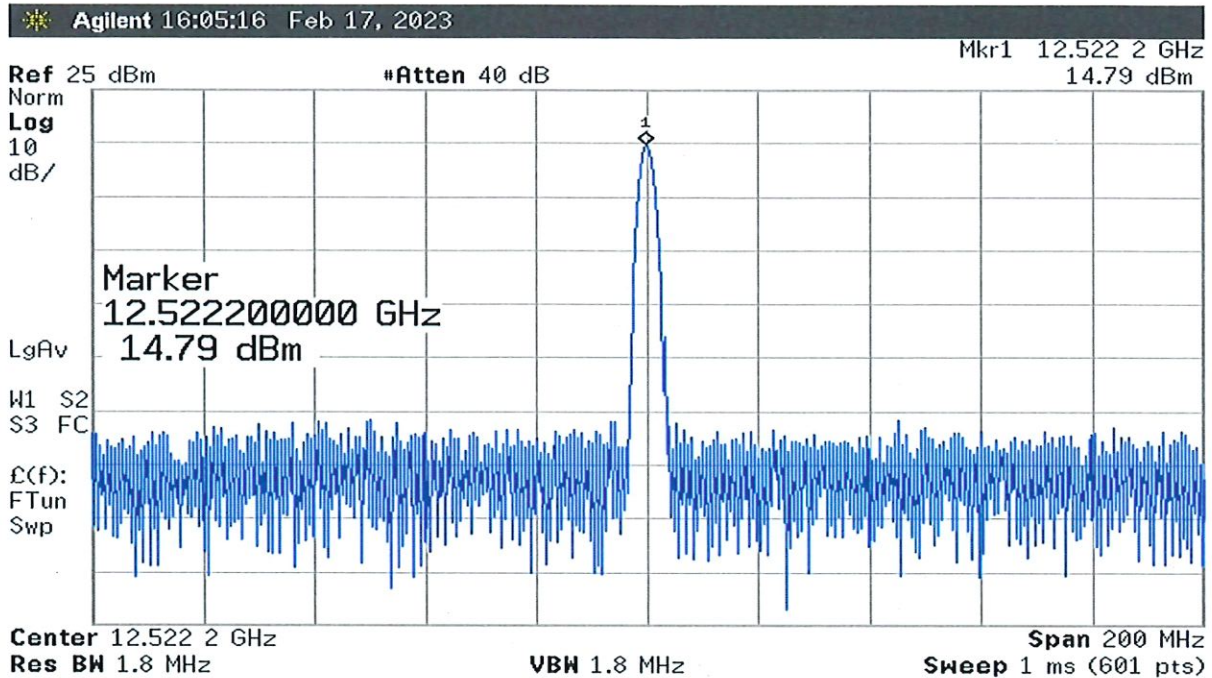
5/30/2023



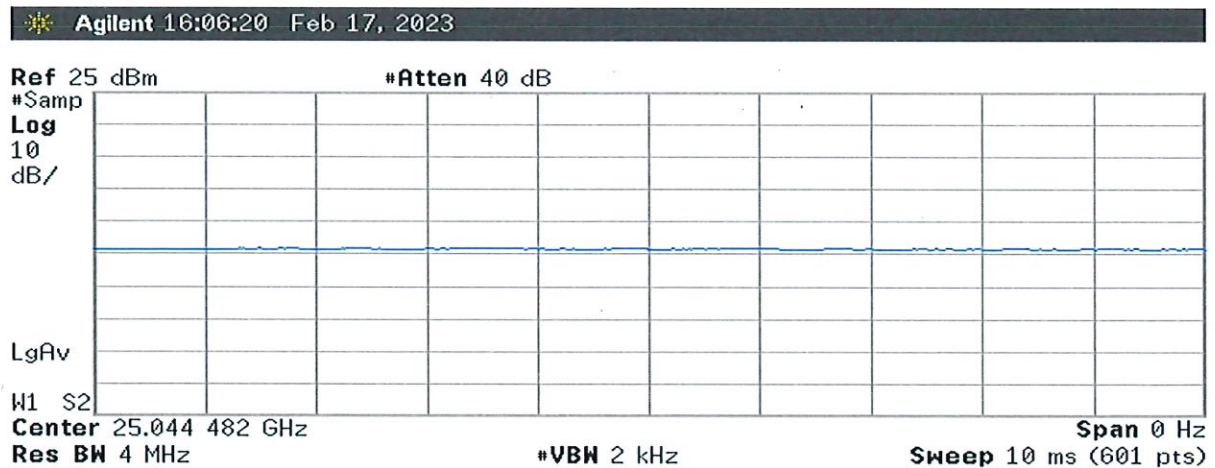
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Carrier Signal



Harmonics



	Frequency	Amplitude
1	12.52 GHz	14.42 dBm
2	25.04 GHz	-37.70 dBc
3	37.57 GHz	-42.27 dBc
4	50.09 GHz	-36.53 dBc



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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:	12.522242 GHz		Int PHN (30.0 .. 30.0 M) -58.8 dBc					
Signal Level:	6.49 dBm		Residual PM 92.594 m°					
Cross Corr Mode	Harmonic 1		Residual FM 891.341 Hz					
Internal Ref Tuned	Internal Phase Det		RMS Jitter 0.0205 ps					

