



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

PL44688/2409

Customer: _____ Tested By: Rony Castellanos
SO No: _____ Temperature: +25°C
Model No: PLDRO-12522R24M-13DBM-SFF Date: 02/26/2024
Serial No: PL44688/2409 Drawing No: 27034480 Rev: C2

TEST ITEM	PARAMETERS	SPECIFIED VALUE		TEST RESULTS	QA QC
1	Frequency Range (fo)	12.52224 GHz		12.52224 GHz	P:11 QA2
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		15.42 dBm	
5	Spurious	-70 dBc Max In Band		-70 dBc	
6	Harmonics	-20 dBc Max		-27.85 dBc	
7	Phase Noise	-67 dBc/Hz Min	100 Hz	See Typ.	
		-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	P:11 QA2

QA/QC Approval: _____

P:11
QA2

Date: _____

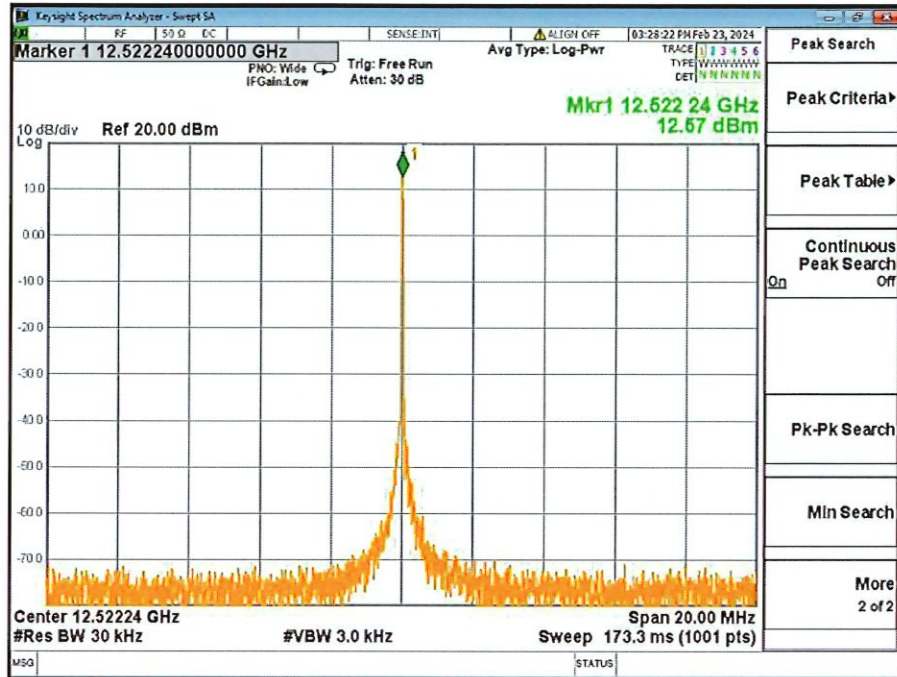
2/28/2024



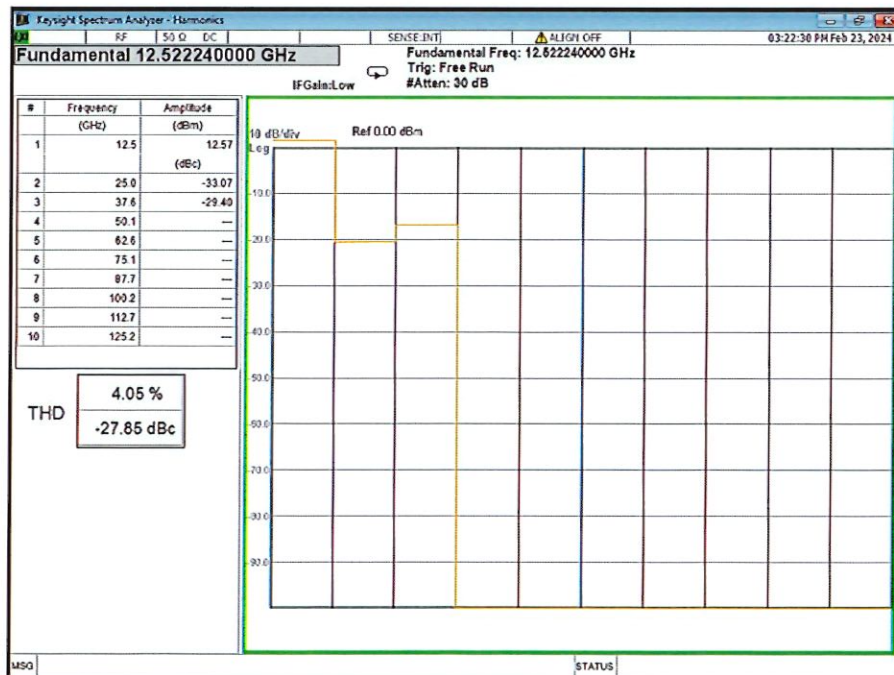
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Carrier Signal



Harmonics

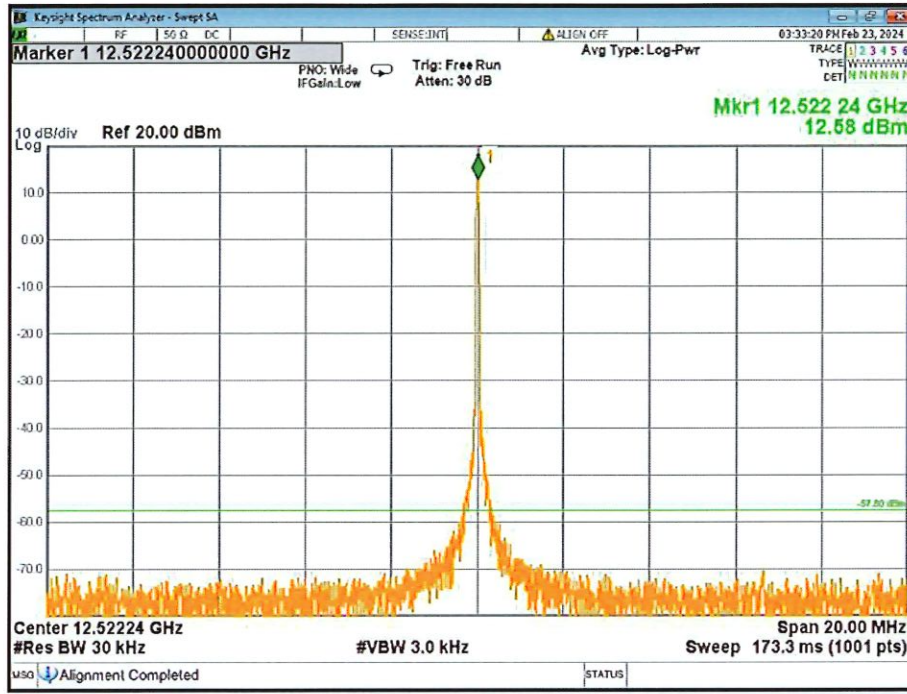




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Spurious



Phase Noise Curve

	R&S FSUP 50 Signal Source Analyzer						LOCKE
	Settings	Residual Noise [T1 w/o spurs]			Spur List		
Signal Frequency:	12.522223 GHz	Int PHN (30.0 ... 30.0 M)	-61.4 dBc	36.922 Hz	-66.62 dBc		
Signal Level:	6.98 dBm	Residual PM	68.571 m°	49.959 Hz	-53.25 dBc		
Cross Corr Mode	Harmonic 1	Residual FM	1.649 kHz	69.481 Hz	-69.97 dBc		
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.0152 ps	73.847 Hz	-70.14 dBc		

