



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

PL44698/2409

Customer: _____ Tested By: Rony Castellanos
SO No: _____ Temperature: +25°C
Model No: PLDRO-12522R24M-13DBM-SFF Date: 02/26/2024
Serial No: PL44698/2409 Drawing No: 27034480 Rev: C2

TEST ITEM	PARAMETERS	SPECIFIED VALUE		TEST RESULTS	QA QC
1	Frequency Range (fo)	12.52224 GHz		12.52224 GHz	PMI 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		-31.42 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	

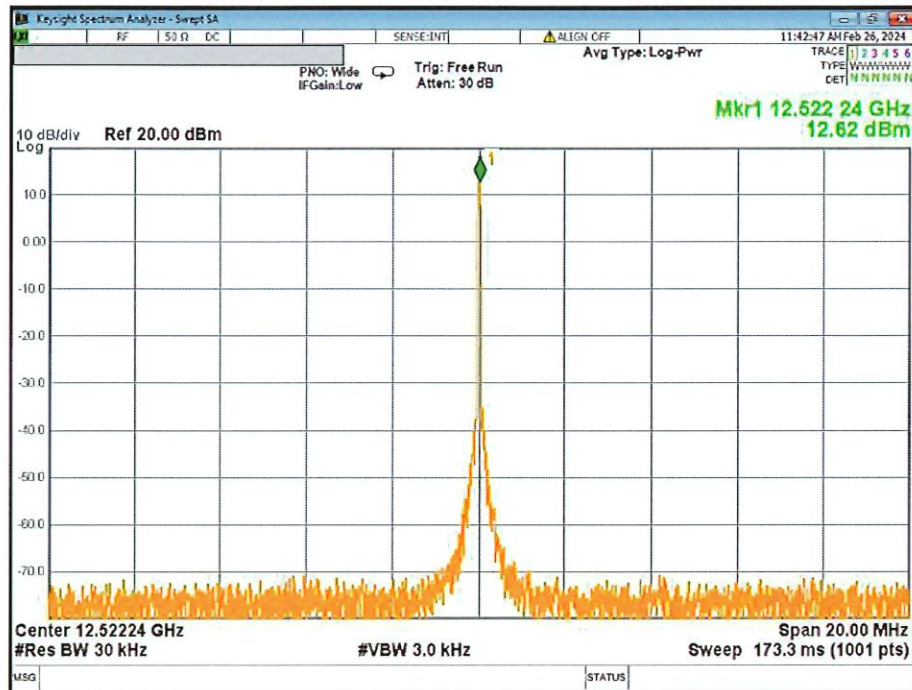
QA/QC Approval:  PMI QA2 Date: 2/28/2024



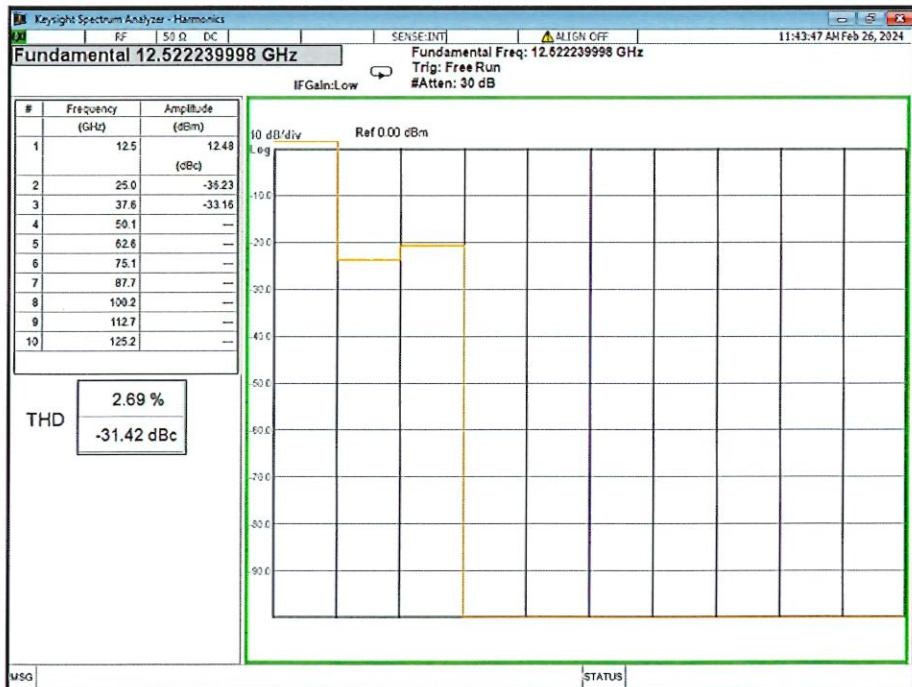
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Carrier Signal



Harmonics

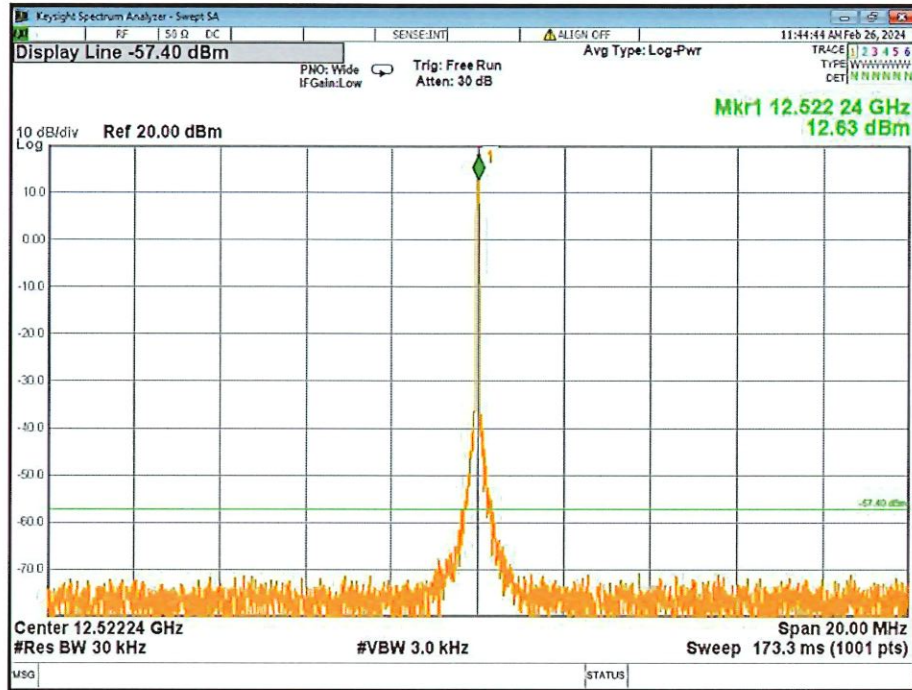




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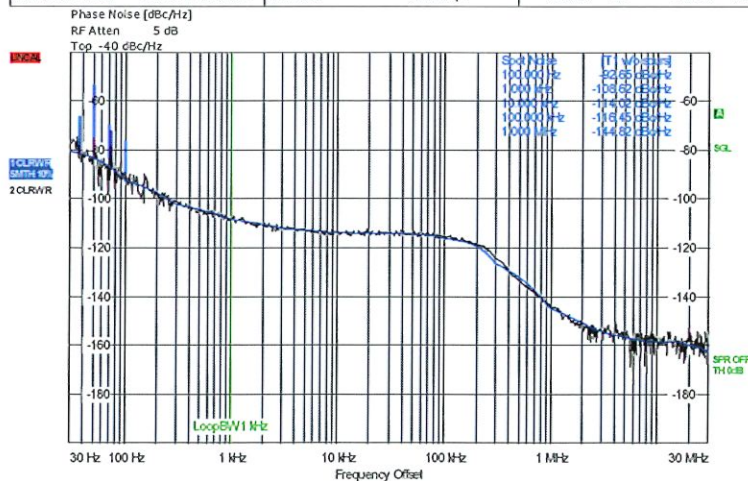
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Spurious



Phase Noise Curve

R&S FSUP 50 Signal Source Analyzer					LOCKED
Settings	Residual Noise [T1 w/o spurs]		Spur List		
Signal Frequency: 12.522223 GHz	Int PHN (30.0 ... 30.0 M)	-60.4 dBc	36.937 Hz	-66.55 dBc	
Signal Level: 7.07 dBm	Residual PM	76.976 m°	49.953 Hz	-53.35 dBc	
Cross Corr Mode: Harmonic 1	Residual FM	1.3 kHz	69.491 Hz	-69.99 dBc	
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.0171 ps	73.870 Hz	-72.25 dBc



Measurement Complete

Date: 14.APR.2024 21:08:03