



**SUMMARY TEST DATA
ON
TCDRO-12G-CD-1**

PL31010/2051

Customer:	_____	Tested By:	Bryan K.
SO No:	_____	Temperature:	+25°C
Model No:	TCDRO-12G-CD-1	Date:	12/18/2020
Serial No:	PL31010/2051	Drawing No:	27634760
		Rev:	A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Center Frequency:	12 GHz	12.0 GHz See Plot	PMI QA 2	
2	Mechanical Tuning Frequency:	±10 MHz	± 12.5 MHz		
3	Output Power:	18 dBm Min.	+19.70 dBm See Plot		
4	Spurious:	-85 dBc Min.	-87.39 dBc		
5	Harmonics:	-25 dBc Min.	-31.49 dBc See Plot		
6	*Phase Noise:	10 kHz Offset = -90 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -78.42 dBc/Hz 100 kHz Offset = -98.78 dBc/Hz		
7	Frequency Drift Temperature Coefficient :	0.8 ppm/°C	See typical characteristics		
9	DC Supply:	+15±0.5 VDC @ 200 mA Max	77 mA @ +15 VDC		PMI QA 2

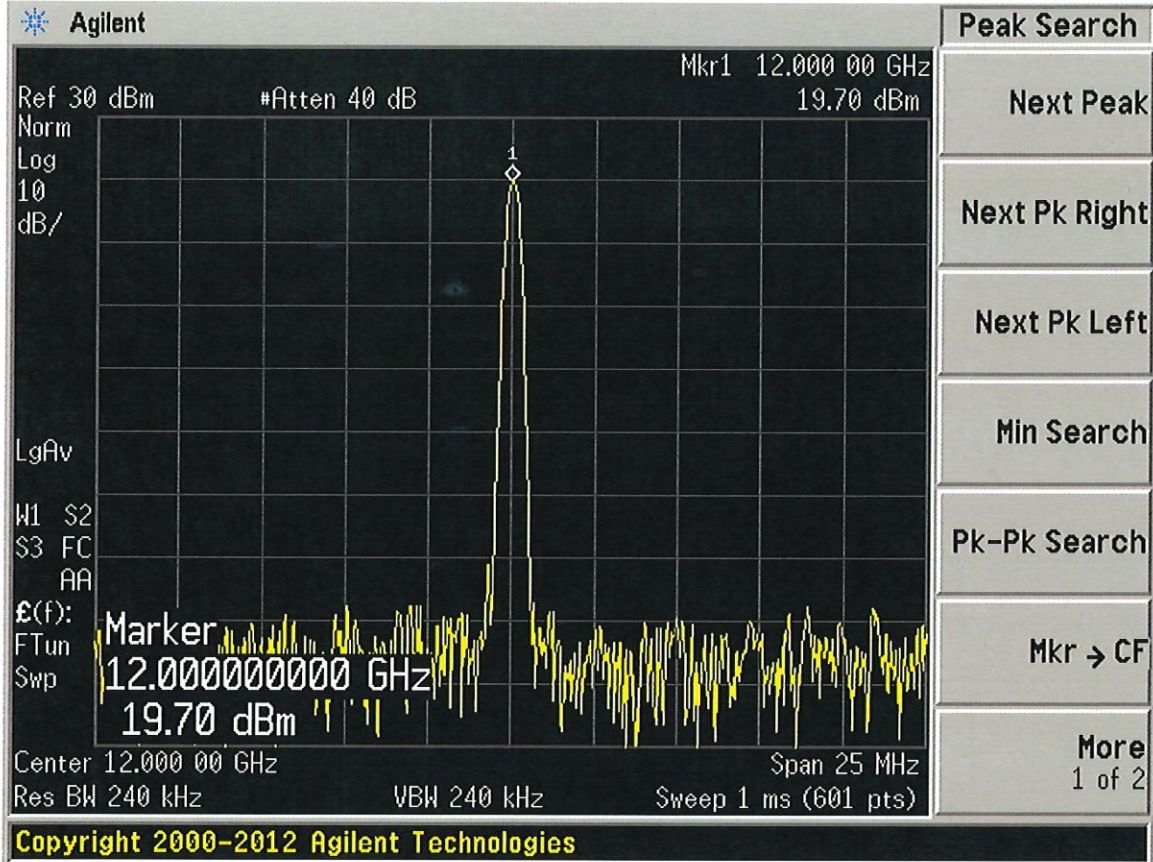
QA/QC Approval: *[Signature]* PMI QA 2 Date: 3/16/21



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Carrier

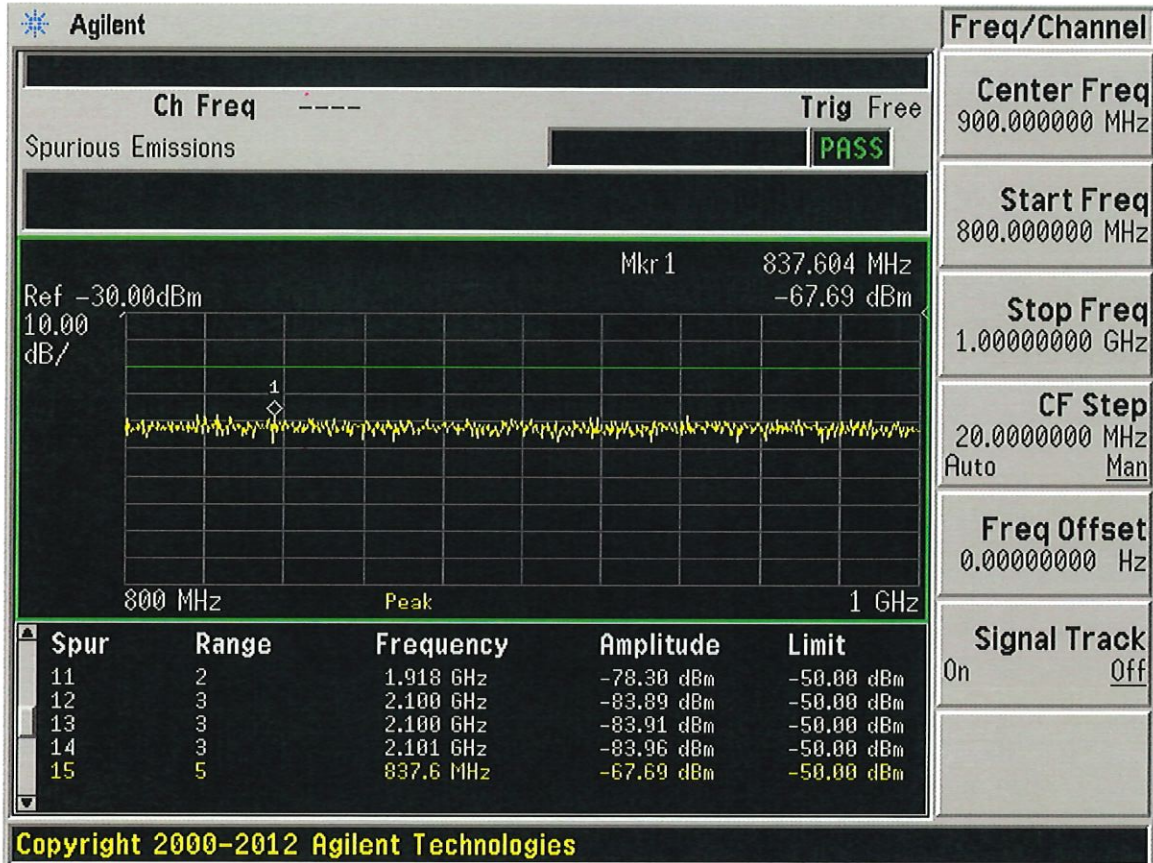




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Spurious





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Harmonics

Agilent

Ch Freq ----- Trig Free

Harmonic Distortion

Ref 8.594 dBm #Atten 40 dB

#Samp

Log

10

dB/

Center 47.999 994 GHz Span 0 Hz

Res BW 1 MHz #VBW 2 kHz Sweep 10 ms (601 pts)

Frequency	Amplitude
1 12.00 GHz	19.64 dBm
2 24.00 GHz	-31.49 dBc
3 36.00 GHz	-29.08 dBc
4 48.00 GHz	-51.06 dBc

File

Catalog>

Save>

Load>

Delete>

Copy>

Rename>

More
1 of 2

File Operation Status, C:\STATE306.STA file loaded



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Phase Noise

