



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

PL31003/2051

Customer: \_\_\_\_\_ Tested By: Bryan K.  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: TCDRO-12G-CD-1 Date: 12/18/2020  
Serial No: PL31003/2051 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.	+19.71 dBm See Plot		
4	Spurious:	-85 dBc Min.	-87.22 dBc		
5	Harmonics:	-25 dBc Min.	-46.22 dBc See Plot		
6	*Phase Noise:	10 kHz Offset = -90 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -75.21 dBc/Hz 100 kHz Offset = -100.86 dBc/Hz		
7	Frequency Drift Temperature Coefficient :	0.8 ppm/°C	See typical characteristics		
9	DC Supply:	+15±0.5 VDC @ 200 mA Max	88 mA @ +15 VDC		PMI QA 2

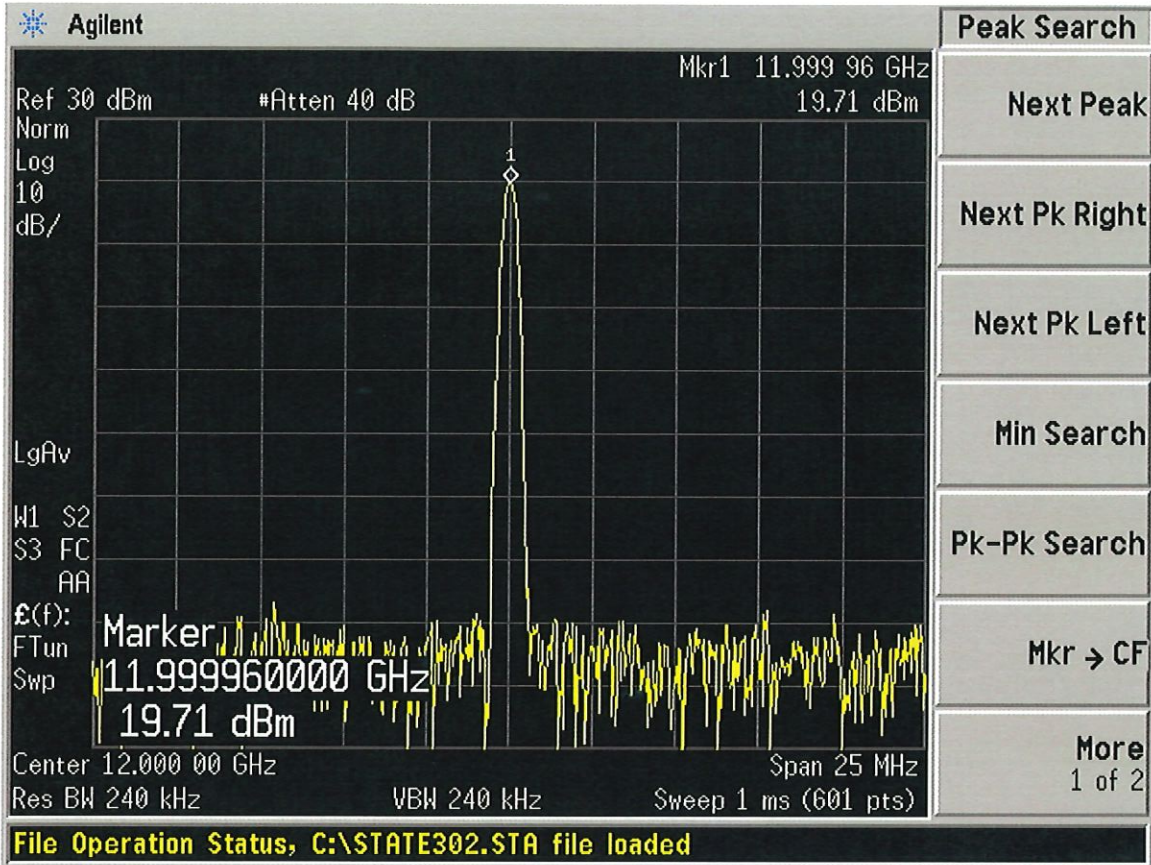
QA/QC Approval:  PMI QA 2 Date: 3/16/21



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Carrier

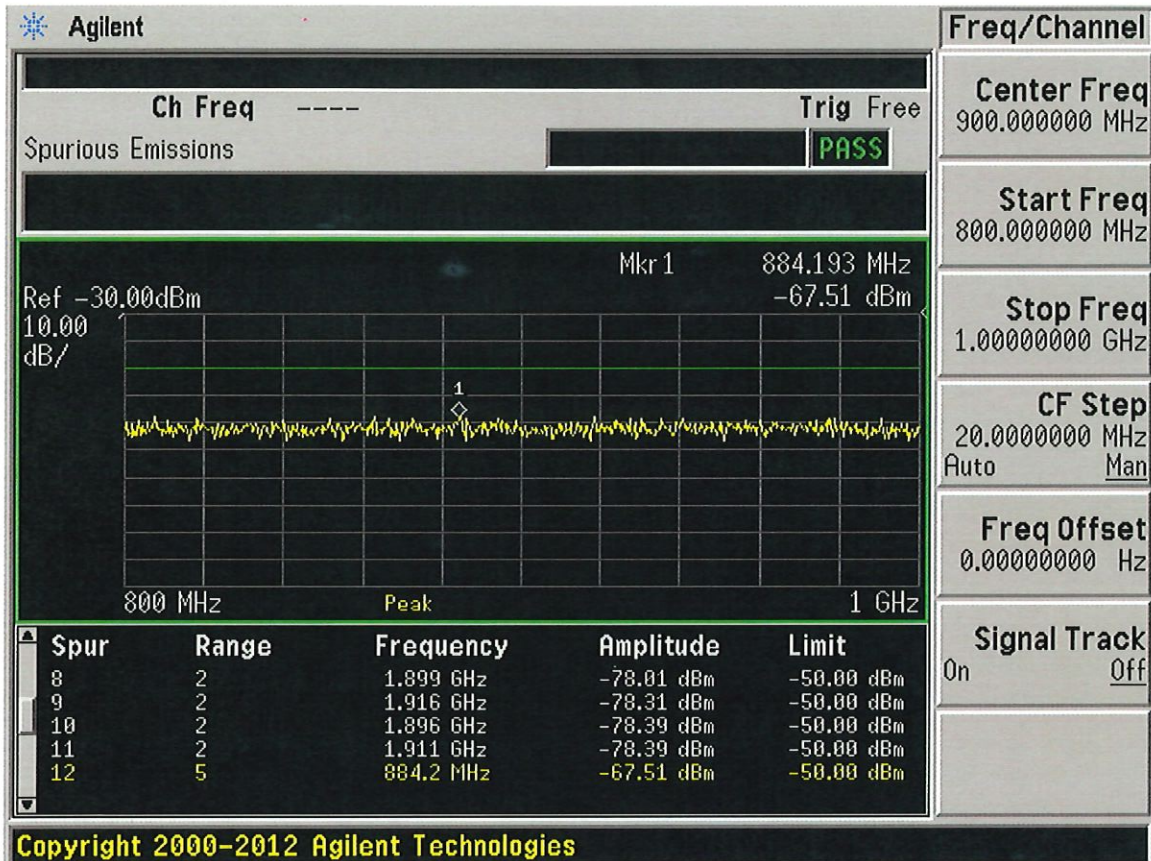




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Spurious





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Harmonics

Agilent

Ch Freq ----- Trig Free

Harmonic Distortion

Ref 30 dBm #Atten 40 dB

#Samp

Log \*  
10  
dB/

Center 23.999 932 GHz Span 0 Hz  
Res BW 510 kHz #VBW 2 kHz Sweep 10 ms (601 pts)

Frequency	Amplitude
1 12.00 GHz	19.50 dBm
2 24.00 GHz	-46.22 dBc
3 36.00 GHz	-26.48 dBc
4 48.00 GHz	-51.81 dBc

File

Catalog>

Save>

Load>

Delete>

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Rename>

More  
1 of 2

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



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Phase Noise

