



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

PL31000/2051

Customer: _____	Tested By: <u>Bryan K.</u>	
SO No: _____	Temperature: <u>+25°C</u>	
Model No: <u>TCDRO-12G-CD-1</u>	Date: <u>12/18/2020</u>	
Serial No: <u>PL31000/2051</u>	Drawing No: <u>27634760</u>	Rev: <u>A1</u>

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Center Frequency:	12 GHz	12.0 GHz See Plot	PMI QA2	
2	Mechanical Tuning Frequency:	±10 MHz	± 12.5 MHz		
3	Output Power:	18 dBm Min.	+20.08 dBm See Plot		
4	Spurious:	-85 dBc Min.	-87.18 dBc		
5	Harmonics:	-25 dBc Min.	-36.48 dBc See Plot		
6	*Phase Noise:	10 kHz Offset = -90 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -100.30 dBc/Hz 100 kHz Offset = -113.75 dBc/Hz		
7	Frequency Drift Temperature Coefficient :	0.8 ppm/°C	See typical characteristics		
9	DC Supply:	+15±0.5 VDC @ 200 mA Max	81 mA @ +15 VDC		PMI QA2

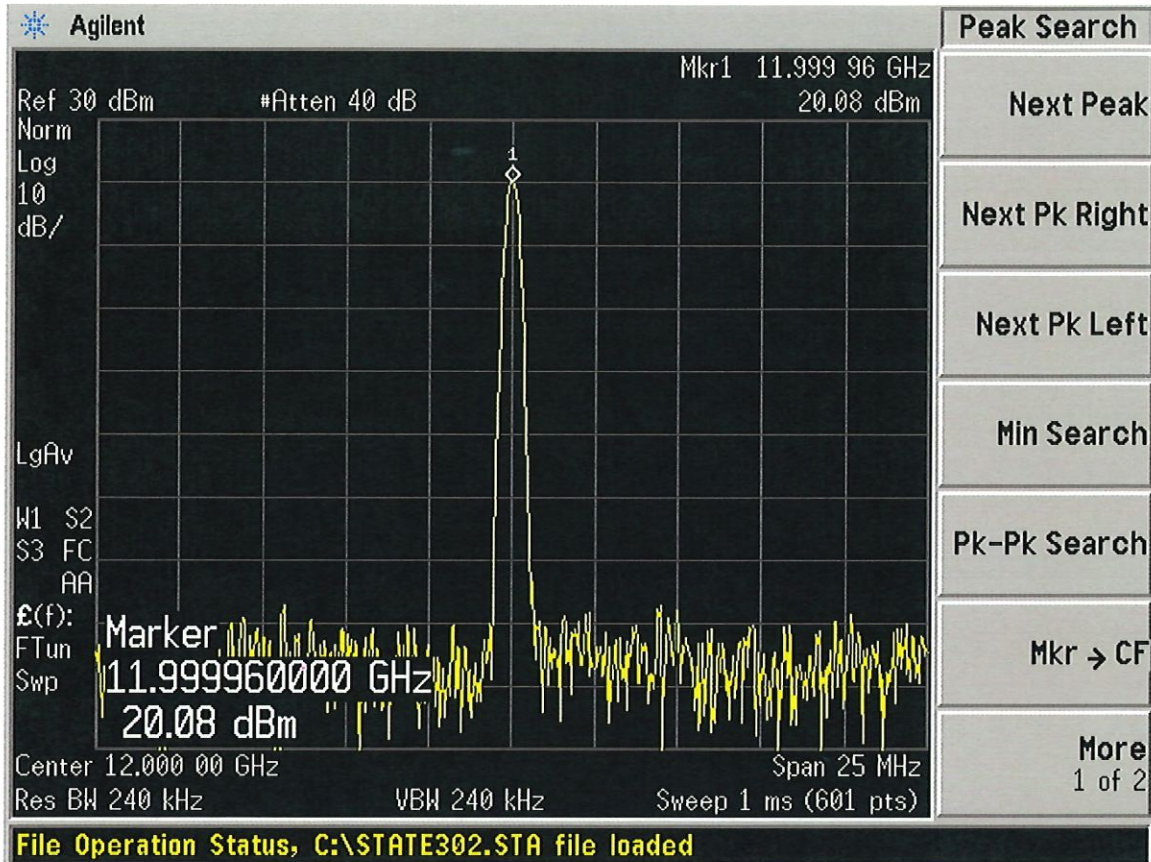
QA/QC Approval:  PMI
QA2 Date: 3/16/21



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Carrier

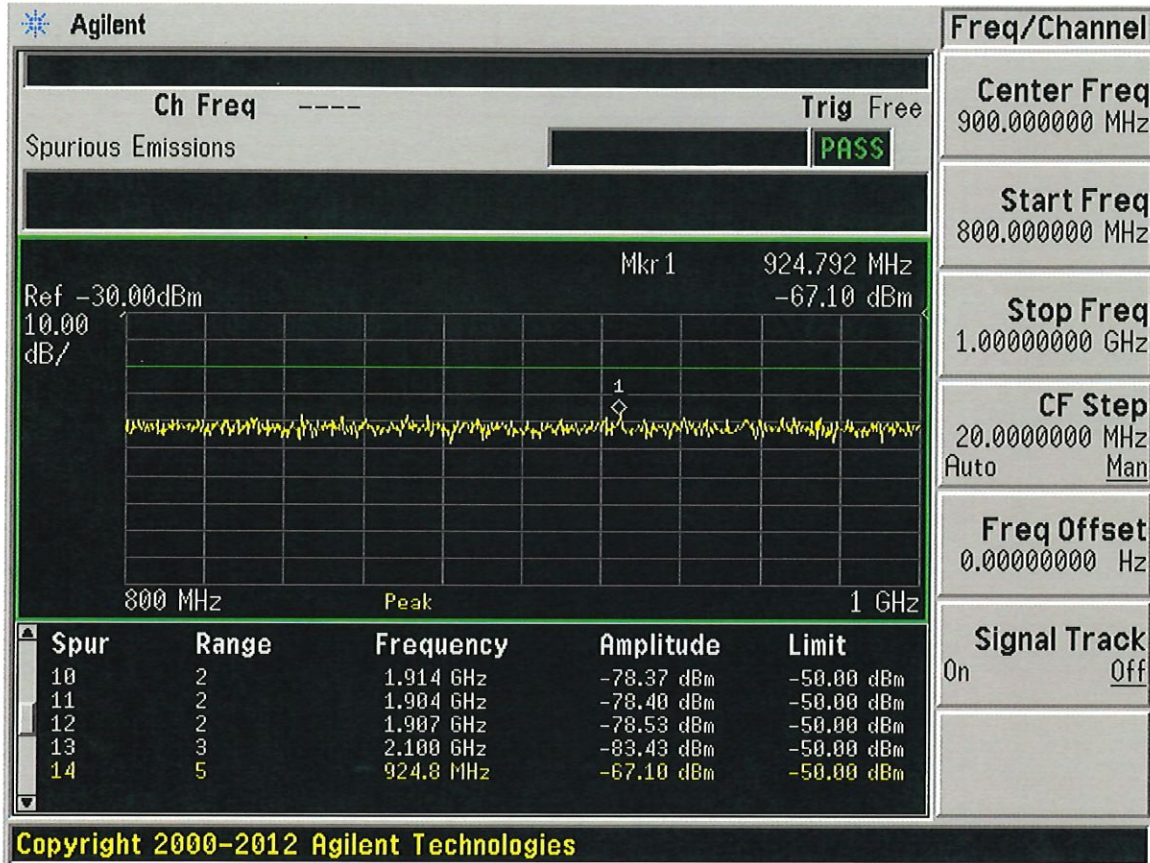




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Spurious





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Harmonics

Agilent

Ch Freq ----- Trig Free

Harmonic Distortion

Ref 30 dBm #Atten 40 dB

#Samp

Log *
10
dB/

Frequency	Amplitude
1 12.00 GHz	20.06 dBm
2 24.00 GHz	-36.48 dBc
3 36.00 GHz	-27.23 dBc
4 48.00 GHz	-51.89 dBc

Center 35.999 903 GHz Span 0 Hz
Res BW 750 kHz #VBW 2 kHz Sweep 10 ms (601 pts)

File

Catalog>

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More
1 of 2

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



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Phase Noise

