



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

PL31002/2051

Customer: _____ Tested By: Bryan K.
SO No: _____ Temperature: +25°C
Model No: TCDRO-12G-CD-1 Date: 12/18/2020
Serial No: PL31002/2051 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.	+19.92 dBm See Plot	
4	Spurious:	-85 dBc Min.	-87.51 dBc	
5	Harmonics:	-25 dBc Min.	-56.62 dBc See Plot	
6	*Phase Noise:	10 kHz Offset = -90 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -73.86 dBc/Hz 100 kHz Offset = -99.26 dBc/Hz	
7	Frequency Drift Temperature Coefficient :	0.8 ppm/°C	See typical characteristics	
9	DC Supply:	+15±0.5 VDC @ 200 mA Max	79 mA @ +15 VDC	

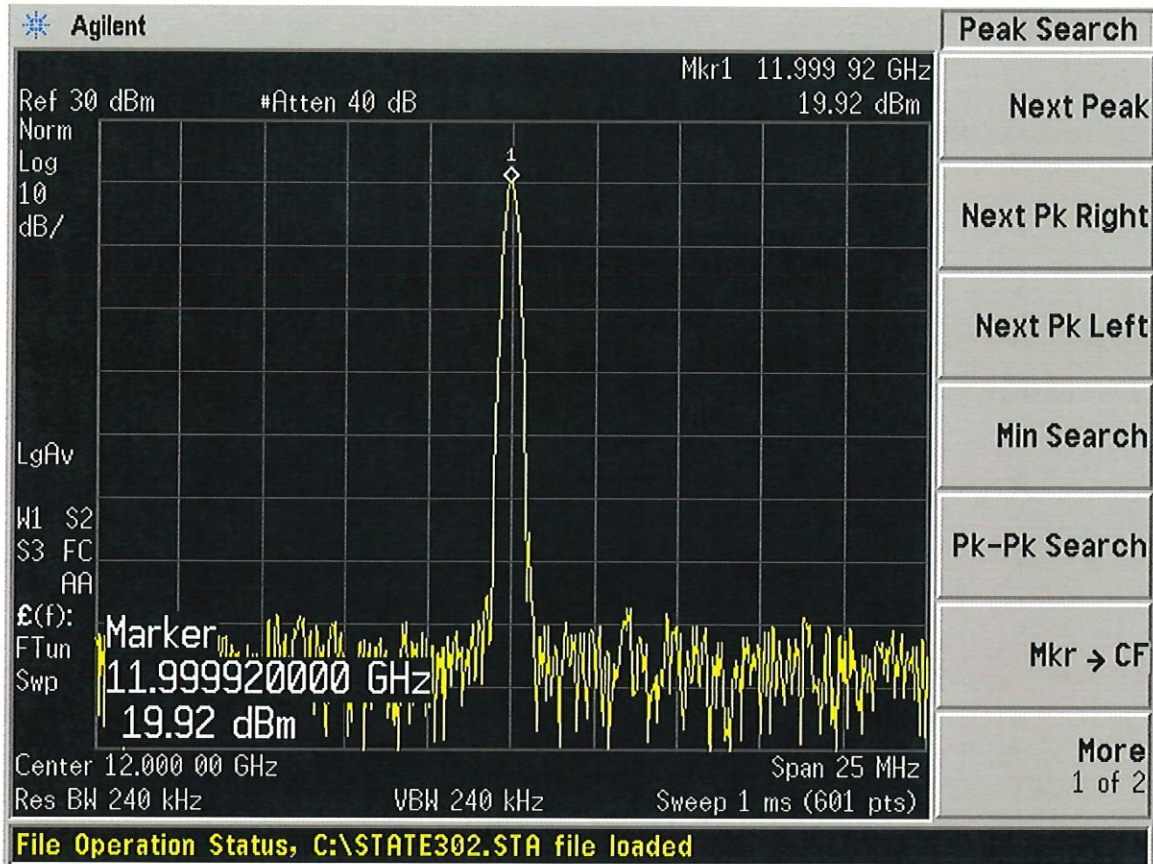
QA/QC Approval: PMI QA 2 Date: 3/16/21



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Carrier

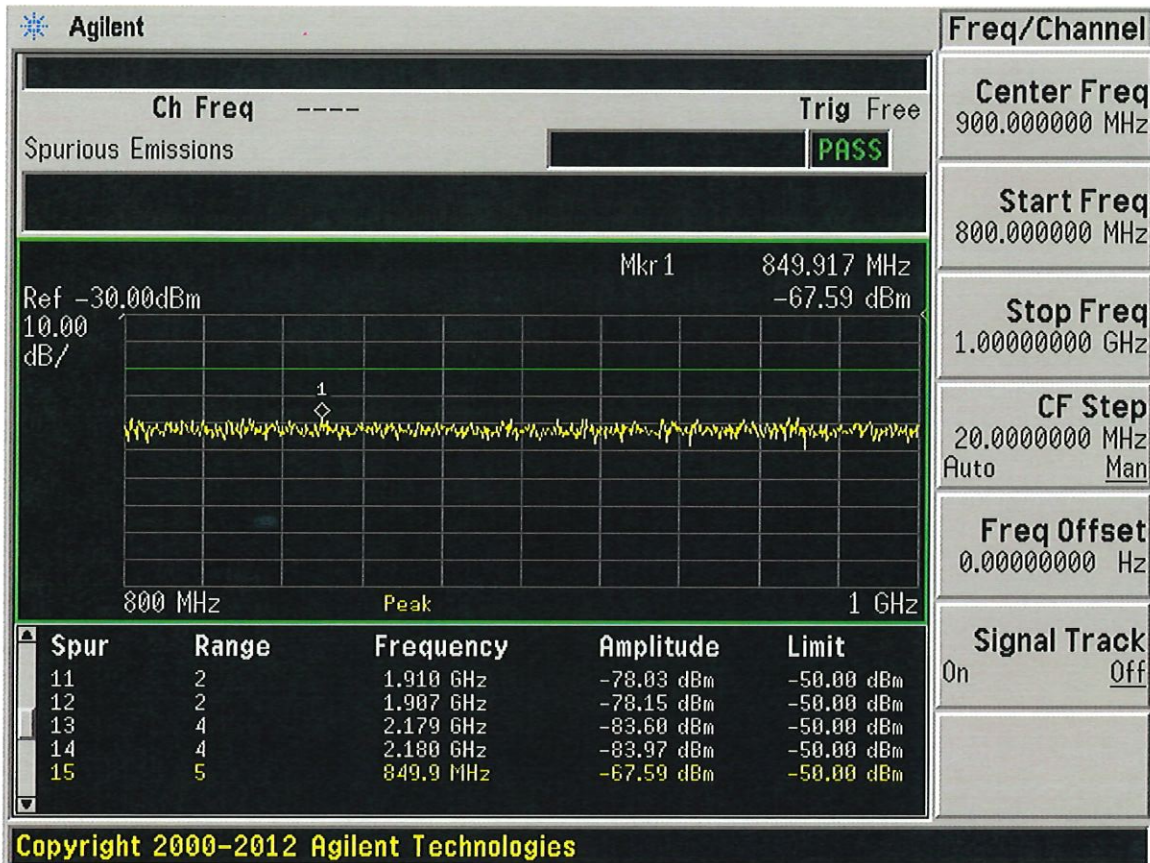




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Spurious





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Harmonics

Agilent

File

Ch Freq ----- Trig Free

Harmonic Distortion

Ref 3.221 dBm #Atten 40 dB

#Samp

Log

10

dB/

Center 23.999 905 GHz Span 0 Hz

Res BW 510 kHz #VBW 2 kHz Sweep 10 ms (601 pts)

Frequency	Amplitude
1 12.00 GHz	19.83 dBm
2 24.00 GHz	-56.62 dBc
3 36.00 GHz	-40.61 dBc
4 48.00 GHz	-49.59 dBc

Catalog>

Save>

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More
1 of 2

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



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Phase Noise

