



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

PL30997/2051

Customer: \_\_\_\_\_ Tested By: Bryan K.  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: TCDRO-12G-CD-1 Date: 12/18/2020  
Serial No: PL30997/2051 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.	+19.07 dBm See Plot	
4	Spurious:	-85 dBc Min.	-85.95 dBc	
5	Harmonics:	-25 dBc Min.	-37.38 dBc See Plot	
6	*Phase Noise:	10 kHz Offset = -90 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -78.53 dBc/Hz 100 kHz Offset = -100.34 dBc/Hz	
7	Frequency Drift Temperature Coefficient :	0.8 ppm/°C	See typical characteristics	
9	DC Supply:	+15±0.5 VDC @ 200 mA Max	87 mA @ +15 VDC	PMI QA 2

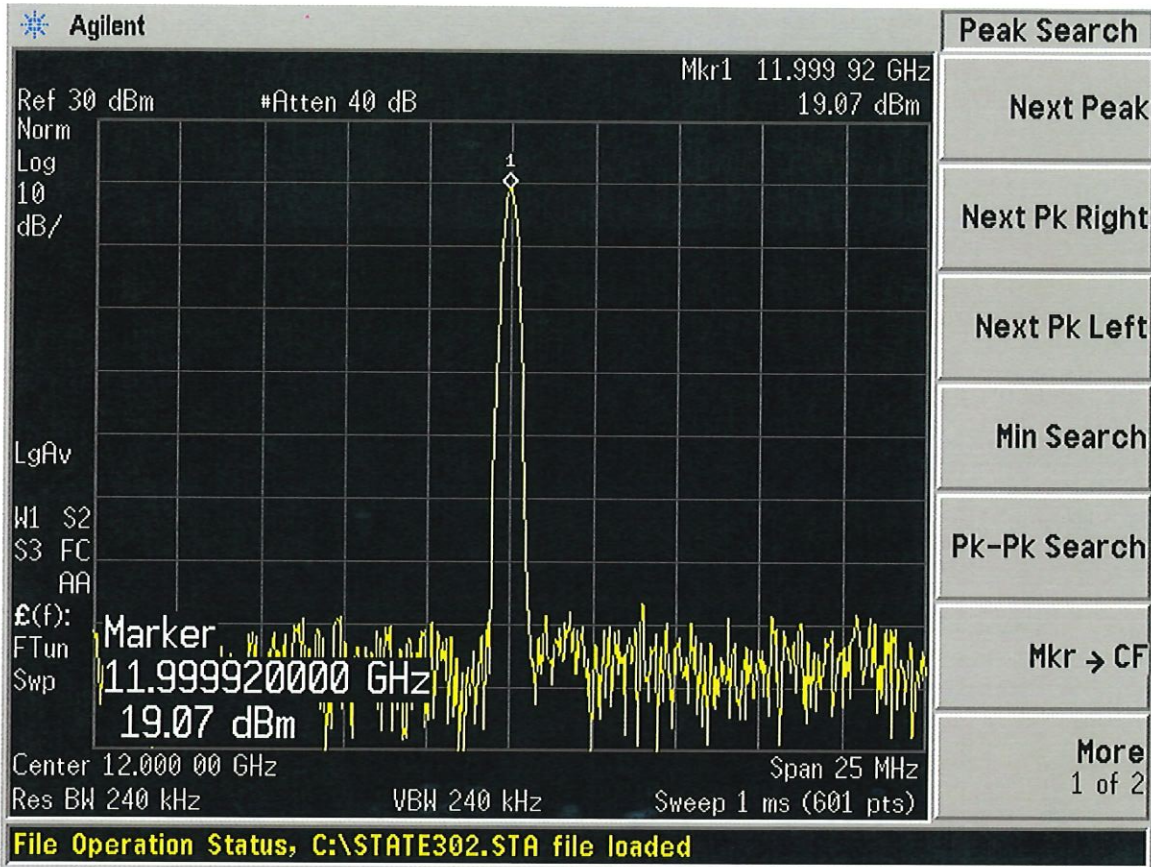
QA/QC Approval:  PMI QA 2 Date: 3/16/21



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Carrier

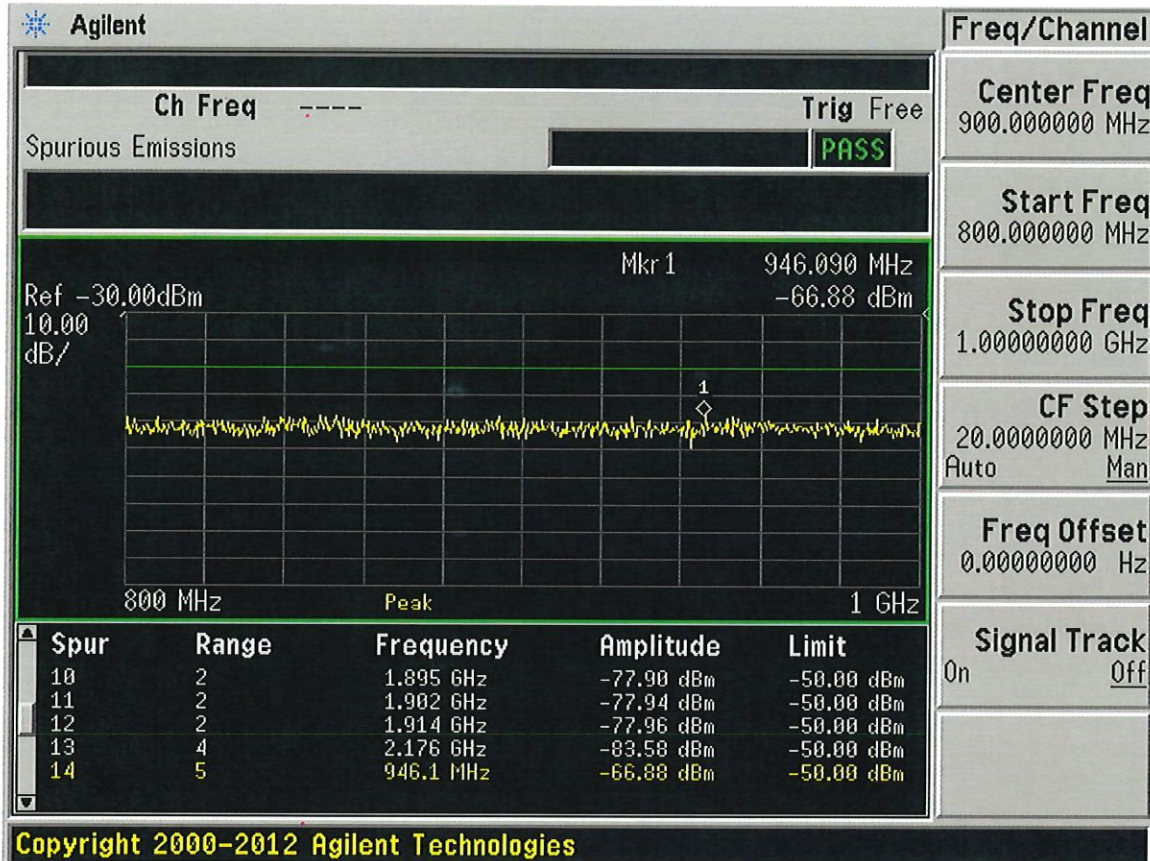




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Spurious





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Harmonics

Agilent

File

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Ch Freq ----- Trig Free

Harmonic Distortion

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Ref 30 dBm #Atten 40 dB

#Samp

Log \*  
10  
dB/

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Center 35.999 817 GHz Span 0 Hz

Res BW 750 kHz #VBW 2 kHz Sweep 10 ms (601 pts)

	Frequency	Amplitude
1	12.00 GHz	19.03 dBm
2	24.00 GHz	-37.38 dBc
3	36.00 GHz	-28.56 dBc
4	48.00 GHz	-51.81 dBc

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Catalog>

Save>

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Delete>

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More  
1 of 2

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



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Phase Noise

