



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

PL31009/2051

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>PL31009/2051</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 QA 2
2	Mechanical Tuning Frequency:	±10 MHz	± 12.5 MHz	
3	Output Power:	18 dBm Min.	+20.16 dBm See Plot	
4	Spurious:	-85 dBc Min.	-87.37 dBc	
5	Harmonics:	-25 dBc Min.	-36.27 dBc See Plot	
6	*Phase Noise:	10 kHz Offset = -90 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -107.08 dBc/Hz 100 kHz Offset = -113.36 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

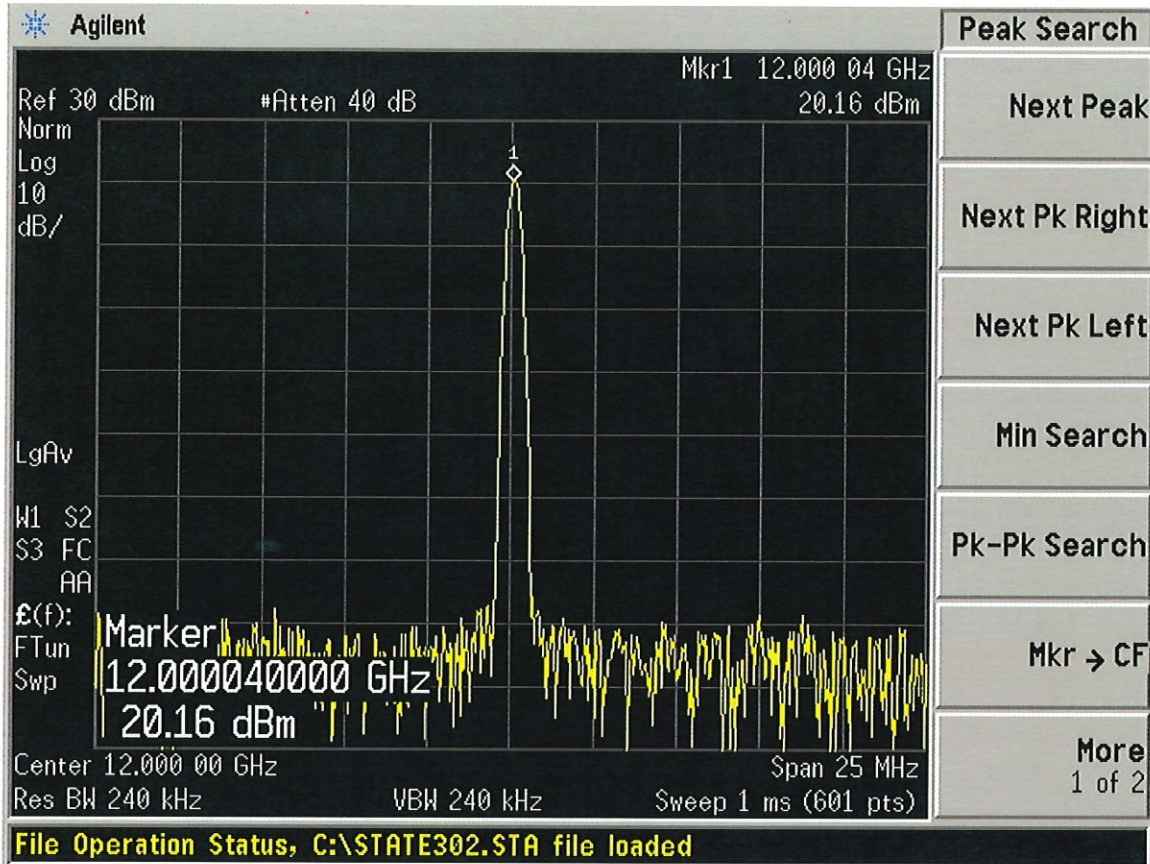
QA/QC Approval:  PMI
QA 2 Date: 3/16/21



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Carrier

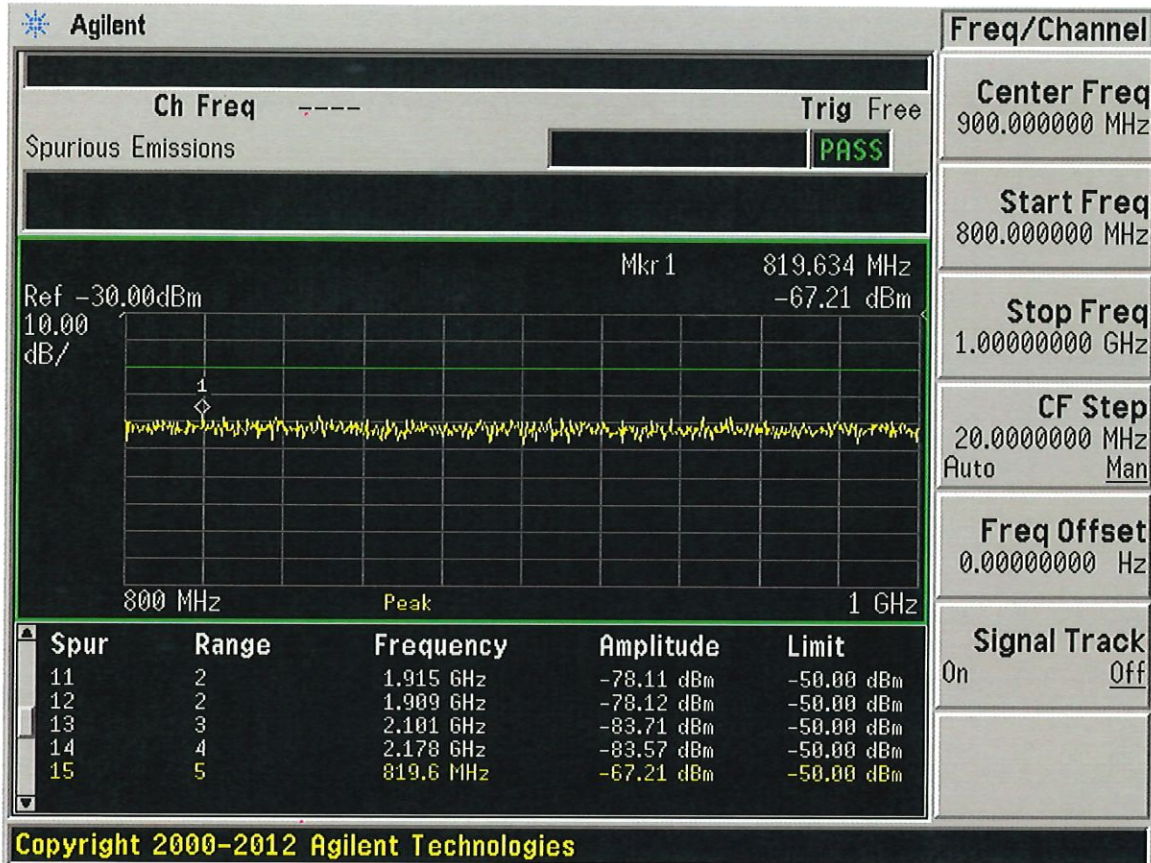




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Spurious





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Harmonics

Agilent
File

Ch Freq ----
Trig Free

Harmonic Distortion

Ref 30 dBm #Atten 40 dB

#Samp

Log

10

dB/

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*

Center 24.000 117 GHz
Span 0 Hz

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

Frequency	Amplitude
1 12.00 GHz	19.94 dBm
2 24.00 GHz	-36.27 dBc
3 36.00 GHz	-33.02 dBc
4 48.00 GHz	-51.67 dBc

Catalog

Save

Load

Delete

Copy

Rename

More
1 of 2

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



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Phase Noise

