



**SUMMARY TEST DATA  
ON  
TCDRO-16G-CD-1**

PL29817/2031

Customer: \_\_\_\_\_ Tested By: Bryan K.  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: TCDRO-16G-CD-1 Date: 12/19/2020  
Serial No: PL29817/2031 Drawing No: 27634780 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Center Frequency:	16 GHz	16.0 GHz See Plot	PMI QA 2
2	Mechanical Tuning Frequency:	±10 MHz	± 12.5 MHz	
3	Output Power:	18 dBm Min.	+20.31 dBm See Plot	
4	Spurious:	-85 dBc Min.	-87.85 dBc	
5	Harmonics:	-25 dBc Min.	-33.13 dBc See Plot	
6	*Phase Noise:	10 kHz Offset = -80 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -93.10 dBc/Hz 100 kHz Offset = -109.44 dBc/Hz	
7	Frequency Drift Temperature Coefficient :	0.8 ppm/°C	See typical characteristics	
9	DC Supply:	+15±0.5 VDC @ 200 mA Max	94 mA @ +15 VDC	PMI QA 2

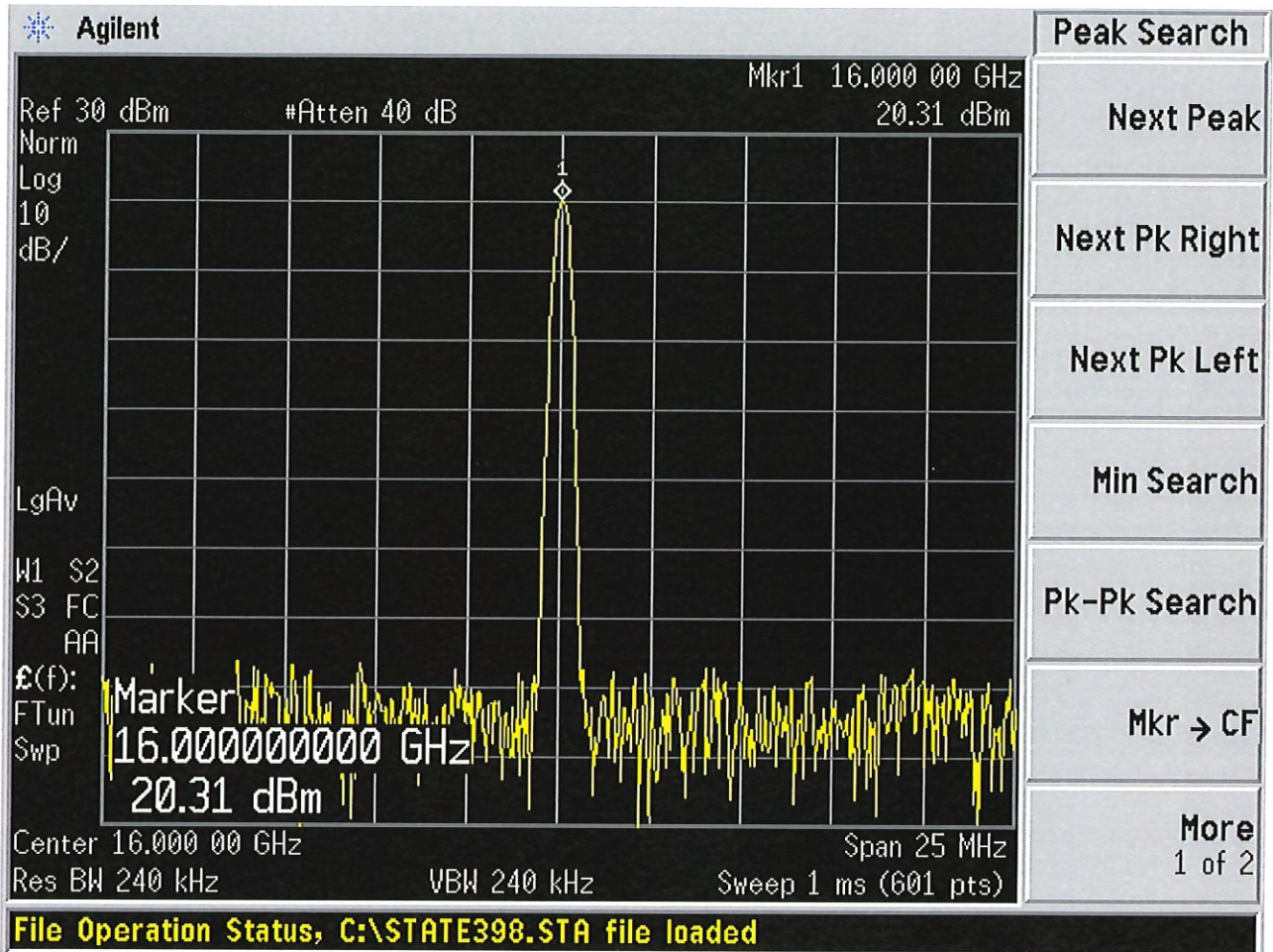
QA/QC Approval:  PMI QA 2 Date: 12/24/20



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Carrier



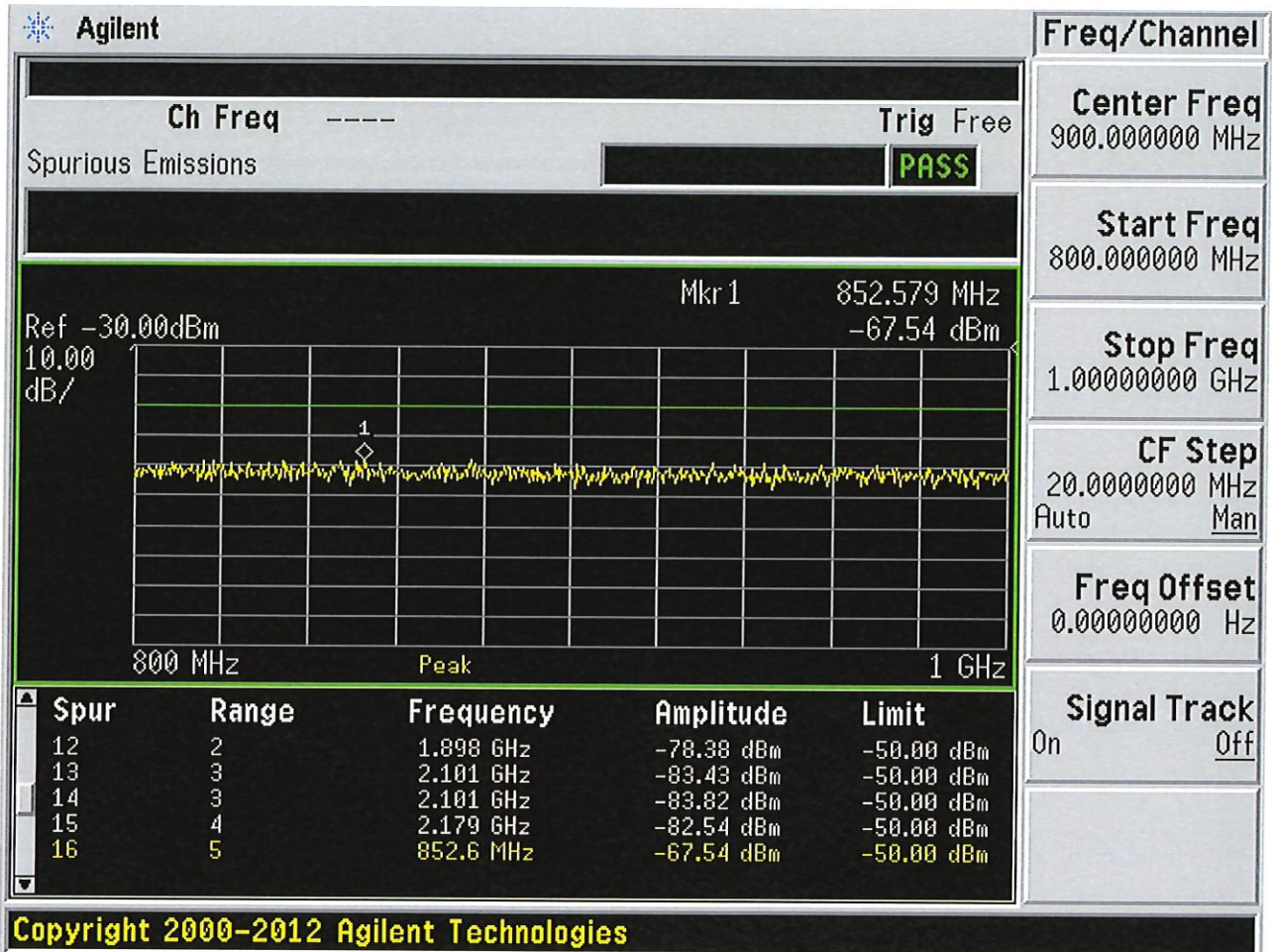




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Spurious





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Harmonics

**Agilent**

Ch Freq ----- Trig Free  
 Harmonic Distortion

Ref 30 dBm #Atten 40 dB  
 #Samp  
 Log  
 10  
 dB/

								*

Center 31.999 941 GHz Span 0 Hz  
 Res BW 510 kHz #VBW 2 kHz Sweep 10 ms (601 pts)

Frequency	Amplitude
1 16.00 GHz	20.31 dBm
2 32.00 GHz	-33.13 dBc
3 48.00 GHz	-44.68 dBc

**File**  
 Catalog>  
 Save>  
 Load>  
 Delete>  
 Copy>  
 Rename>  
 More  
 1 of 2

**File Operation Status, C:\STATE399.STA file loaded**





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Phase Noise

