



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

PL31068/2052

Customer: _____ Tested By: Bryan K.
SO No: _____ Temperature: +25°C
Model No: TCDRO-16G-CD-1 Date: 3/12/2021
Serial No: PL31068/2052 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.	+20.00 dBm See Plot	
4	Spurious:	-85 dBc Min.	-85.75 dBc	
5	Harmonics:	-25 dBc Min.	-26.28 dBc See Plot	
6	*Phase Noise:	10 kHz Offset = -80 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -83.00 dBc/Hz 100 kHz Offset = -103.93 dBc/Hz	
7	Frequency Drift Temperature Coefficient :	0.8 ppm/°C	See typical characteristics	
9	DC Supply:	+15±0.5 VDC @ 200 mA Max	85 mA @ +15 VDC	PMI QA 2

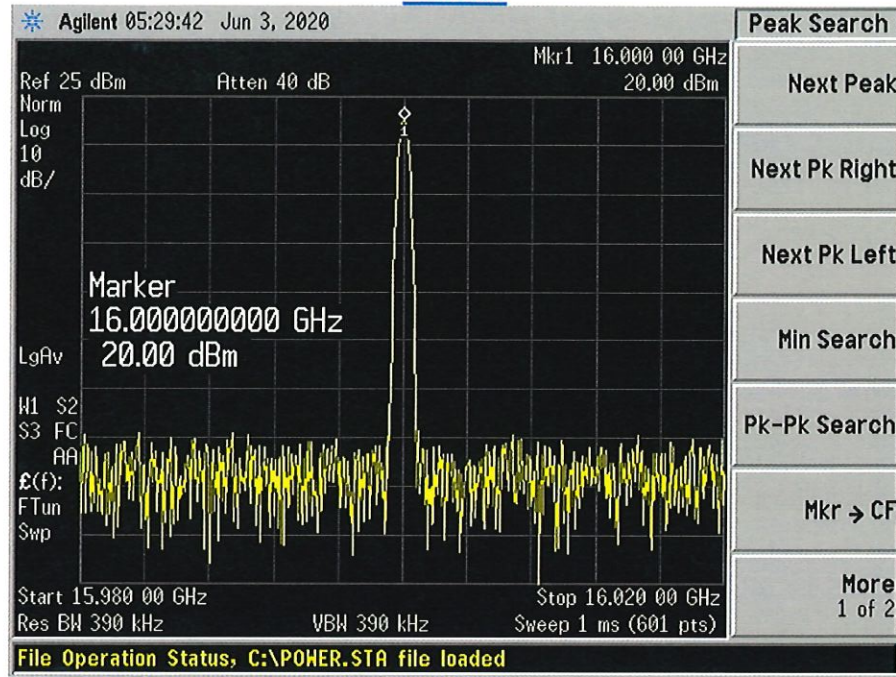
QA/QC Approval:   PMI QA 2 Date: 3/13/21



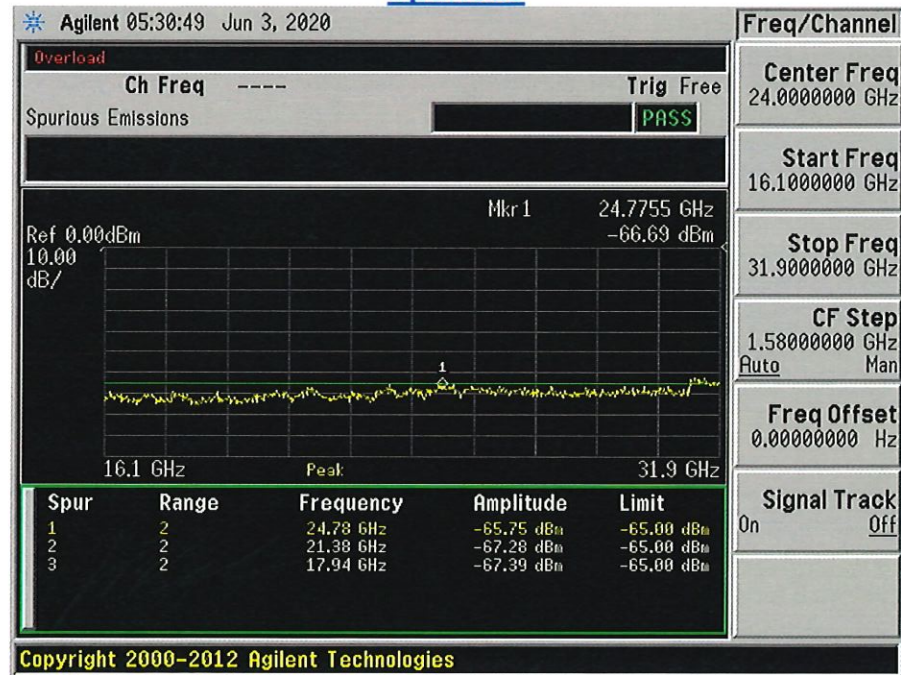
**SUMMARY TEST DATA
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Carrier



Spurious





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Harmonics

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Ch Freq ---- Trig Free

Harmonic Distortion

Ref 25 dBm #Atten 40 dB

#Samp

Log 10 dB/

Start 15.999 970 GHz Stop 15.999 970 GHz

Res BW 390 kHz #VBW 2 kHz Sweep 10 ms (601 pts)

Frequency	Amplitude
1 16.00 GHz	19.97 dBm
2 32.00 GHz	-26.28 dBc
3 48.00 GHz	-44.11 dBc

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Phase Noise

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Carrier Freq 16 GHz Signal Track Off DANL Off Trig Free

Log Plot

Carrier Power 19.93 dBm Atten 20.00 dB Mkr 2 100.000 kHz

Ref -70.00dBc/Hz -103.93 dBc/Hz

10.00 dB/

100 Hz Frequency Offset 1 MHz

Marker	Trace	Type	X Axis	Value
1	2	Spot Freq	10 kHz	-83.00 dBc/Hz
2	2	Spot Freq	100 kHz	-103.93 dBc/Hz

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