



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

PL23503/1839

Customer: _____ Tested By: K. Mansfield
SO No: _____ Temperature: +25°C
Model No: TCDRO-16G-CD-1 Date: 9/26/18
Serial No: PL23503/1839 Drawing No: 27634760 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Center Frequency:	16 GHz	16 GHz See Plot	PMI QA 1
2	Mechanical Tuning Frequency:	±10 MHz	>±10 MHz	
3	Output Power:	18 dBm Min.	+20.1 dBm See Plot	
4	Spurious:	-85 dBc Min.	-93 dBc	
5	Harmonics:	-25 dBc Min.	-39 dBc See Plot	
6	*Phase Noise:	10 kHz Offset = -80 dBc/Hz 100 kHz Offset = -95 dBc/Hz	10 kHz Offset = -98 dBc/Hz 109 kHz Offset = -100 dBc/Hz	
7	Frequency Drift Temperature Coefficient :	0.8 ppm/°C	0.1 ppm/°C	
9	DC Supply:	+15±0.5 VDC @ 200 mA Max	80 mA @ +15 VDC	PMI QA 1

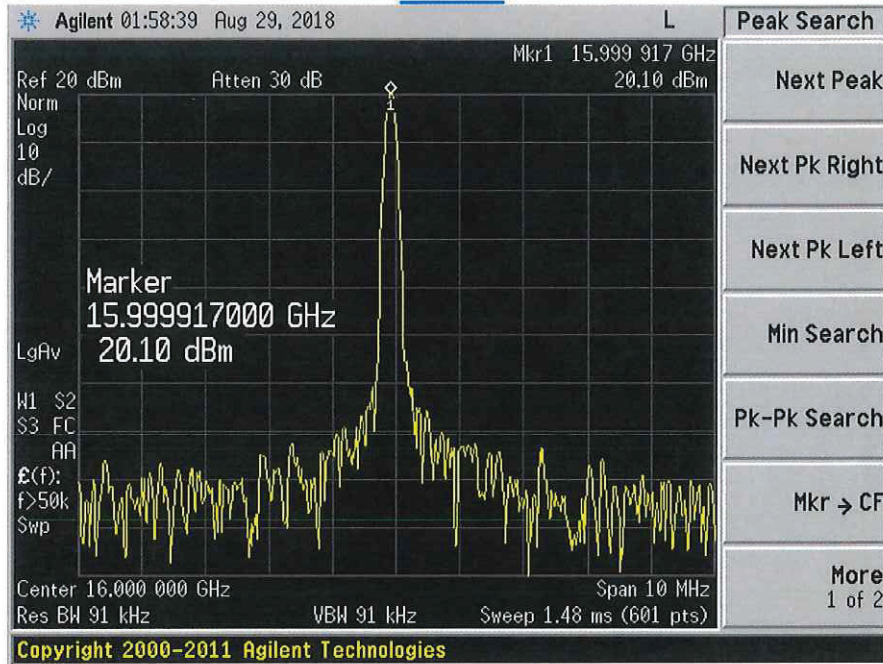
QA/QC Approval:  PMI QA 1 Date: 10/10/18



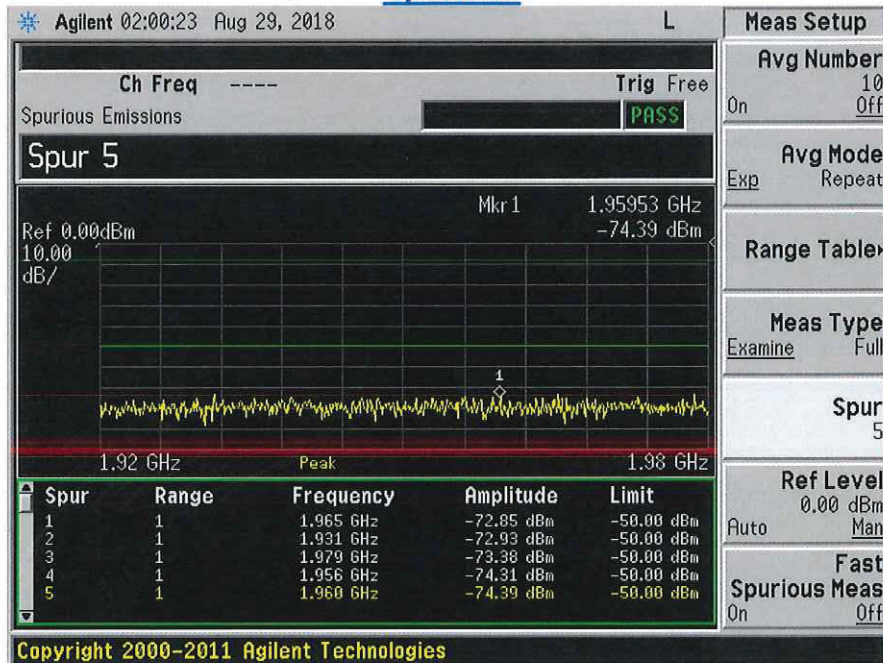
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Carrier



Spurious





**SUMMARY TEST DATA
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Harmonics

Agilent 01:59:43 Aug 29, 2018 L Measure

Ch Freq ---- Trig Free

Harmonic Distortion

Ref 20 dBm #Atten 30 dB

#Samp Log 10 dB/

Center 47.999 615 GHz Span 0 Hz

Res BW 300 kHz #VBW 2 kHz Sweep 10 ms (601 pts)

Frequency	Amplitude
1 16.00 GHz	20.59 dBm
2 32.00 GHz	-41.83 dBc
3 48.00 GHz	-38.70 dBc

Harmonic Distortion

Burst Power

Intermod (TOI)

Spurious Emissions

Spectrum Emission Mask

More 2 of 2

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Phase Noise

Agilent 20:01:01 Aug 28, 2018 L Measure

Carrier Freq 16 GHz Signal Track Off DANL Off Trig Free

Log Plot

Carrier Power 17.96 dBm Atten 18.00 dB Mkr1 10.0000 kHz

Ref -50.00 dBc/Hz -101.81 dBc/Hz

10.00 dB/

100 Hz Frequency Offset 1 MHz

Freq Offset	Trace 1	Trace 2	Trace 3
100 Hz	-97.84 dBc/Hz	-100.42 dBc/Hz	----
1 kHz	-95.90 dBc/Hz	-100.33 dBc/Hz	----
10 kHz	-98.43 dBc/Hz	-101.81 dBc/Hz	----
100 kHz	-110.83 dBc/Hz	-109.18 dBc/Hz	----
1 MHz	-128.23 dBc/Hz	-126.03 dBc/Hz	----

Monitor Spectrum

Spot Frequency

Log Plot

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