



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

PL30996/2051

| | | |
|---------------------------------|-----------------------------|----------------|
| 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>PL30996/2051</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. | +20.01 dBm See Plot | | |
| 4 | Spurious: | -85 dBc Min. | -86.44 dBc | | |
| 5 | Harmonics: | -25 dBc Min. | -40.30 dBc See Plot | | |
| 6 | *Phase Noise: | 10 kHz Offset = -90 dBc/Hz 100 kHz Offset = -95 dBc/Hz | 10 kHz Offset = -76.19 dBc/Hz 100 kHz Offset = -102.23 dBc/Hz | | |
| 7 | Frequency Drift Temperature Coefficient : | 0.8 ppm/°C | See typical characteristics | | |
| 9 | DC Supply: | +15±0.5 VDC @ 200 mA Max | 81 mA @ +15 VDC | | PMI QA 2 |

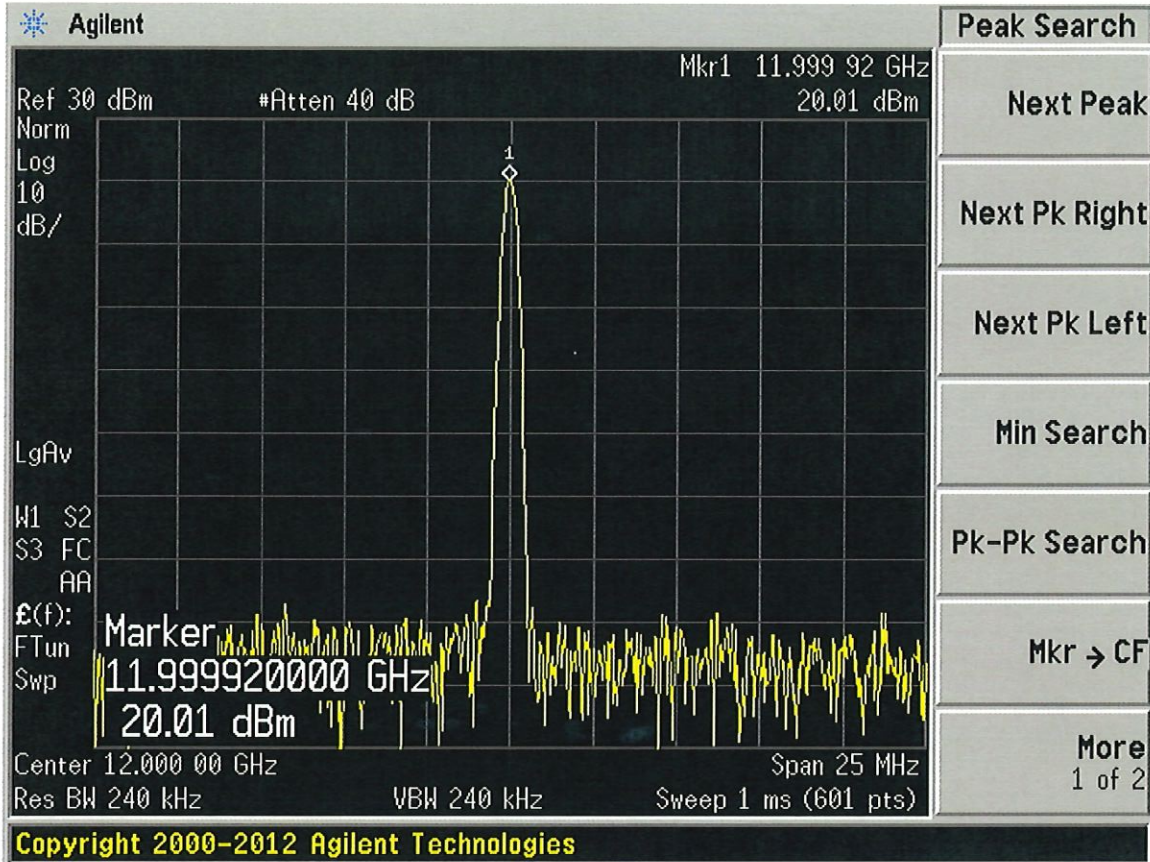
QA/QC Approval: PMI
QA 2 Date: 3/16/21



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Carrier

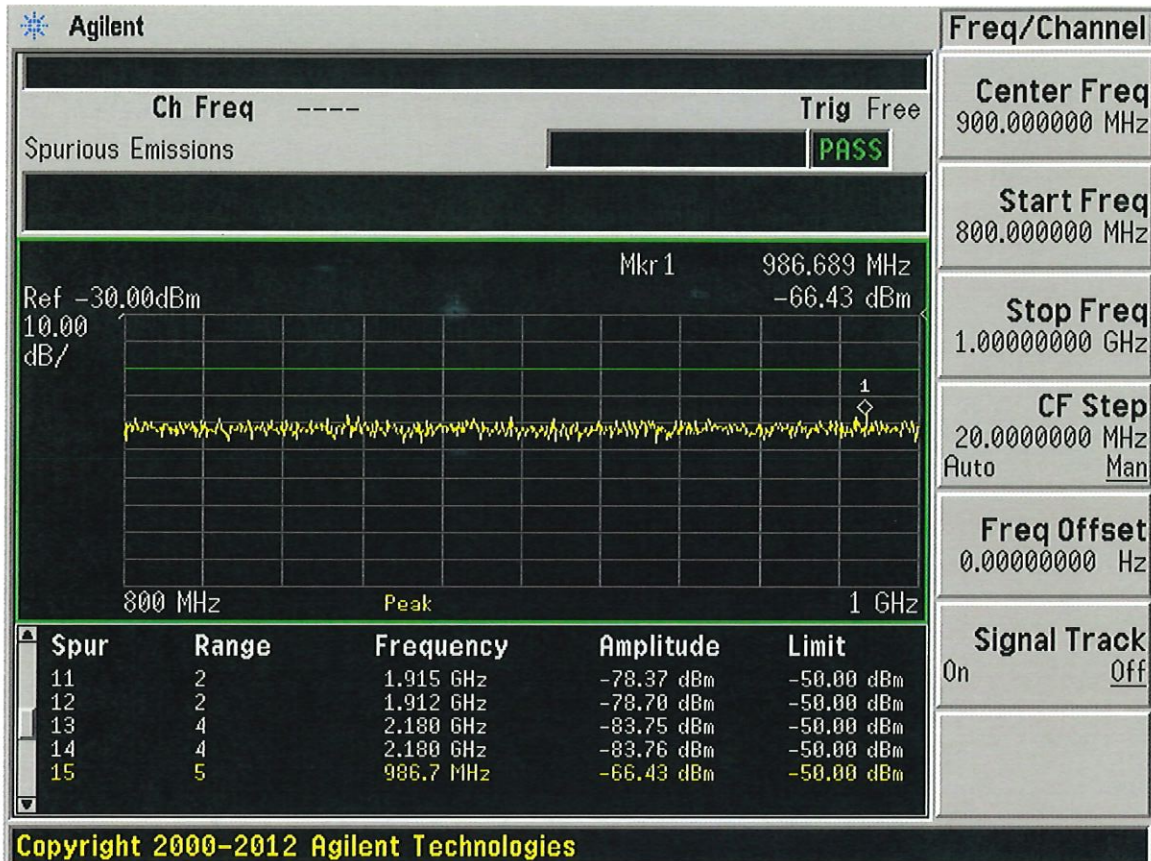




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Spurious





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Harmonics

Agilent

Ch Freq ----- Trig Free

Harmonic Distortion

Ref 30 dBm #Atten 40 dB

#Samp

Log *
10
dB/

| Frequency | Amplitude |
|-------------|------------|
| 1 12.00 GHz | 20.03 dBm |
| 2 24.00 GHz | -40.30 dBc |
| 3 36.00 GHz | -31.41 dBc |
| 4 48.00 GHz | -47.82 dBc |

Center 23.999 867 GHz Span 0 Hz
Res BW 510 kHz #VBW 2 kHz Sweep 10 ms (601 pts)

File

Catalog>

Save>

Load>

Delete>

Copy>

Rename>

More
1 of 2

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



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Phase Noise

