

Test: Frequency Stability
EUT: 6/8/2015
Performed by: Austin Moore
Performed at: Technicolor - 101 W 103rd St., Indianapolis, IN 46290
EUT: H44

Test equipment

<u>Manufacturer</u>	<u>Model</u>	<u>Description</u>	<u>Calibration Due Date</u>
Fluke	52 k/J	Thermometer	6/17/2015
R&S	FPS	Spectrum Analyzer	12/2/2016
Test Equity	115	Temperature Chamber	N/A

Procedure: EUT was configured to continuously transmit an unmodulated carrier at the noted frequency. The RF output of the EUT was connected directly to the input of a spectrum analyzer. Measure the frequency of the carrier over the operating temperature ranged specified by the manufacture, in 10deg steps.

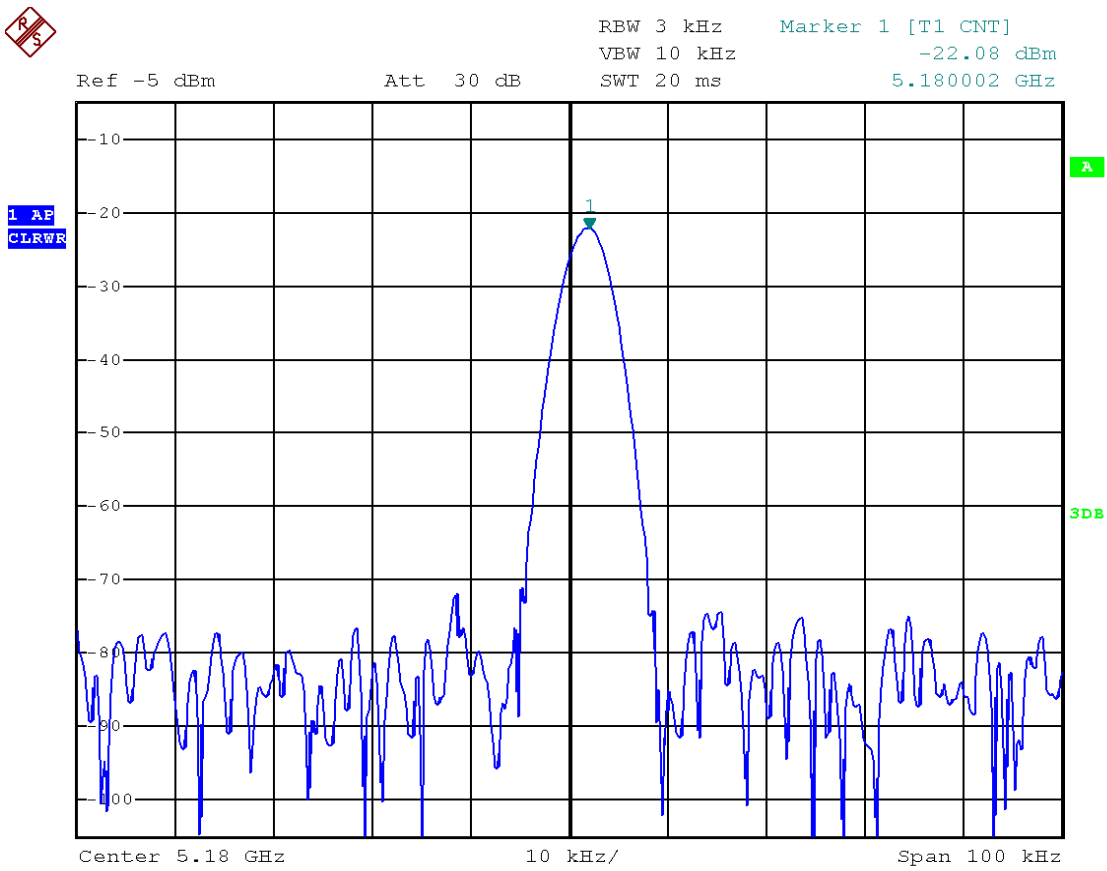
Results:

Channel 36 Freq.= 5.18GHz,

Temp. (C')	Nominal Freq. (GHz)	Offset (KHz)	PPM Offset
0	5.180002	2	0.39
10	5.179991	-9	-1.74
20	5.179977	-23	-4.44
30	5.179963	-37	-7.14
40	5.179952	-48	-9.27
50	5.179947	-53	-10.23

Final Assessment: The PPM is within the manufacturer specified range. This frequency stability would ensure that the emissions stay within the allocated bands per 15.407(g).

0deg C



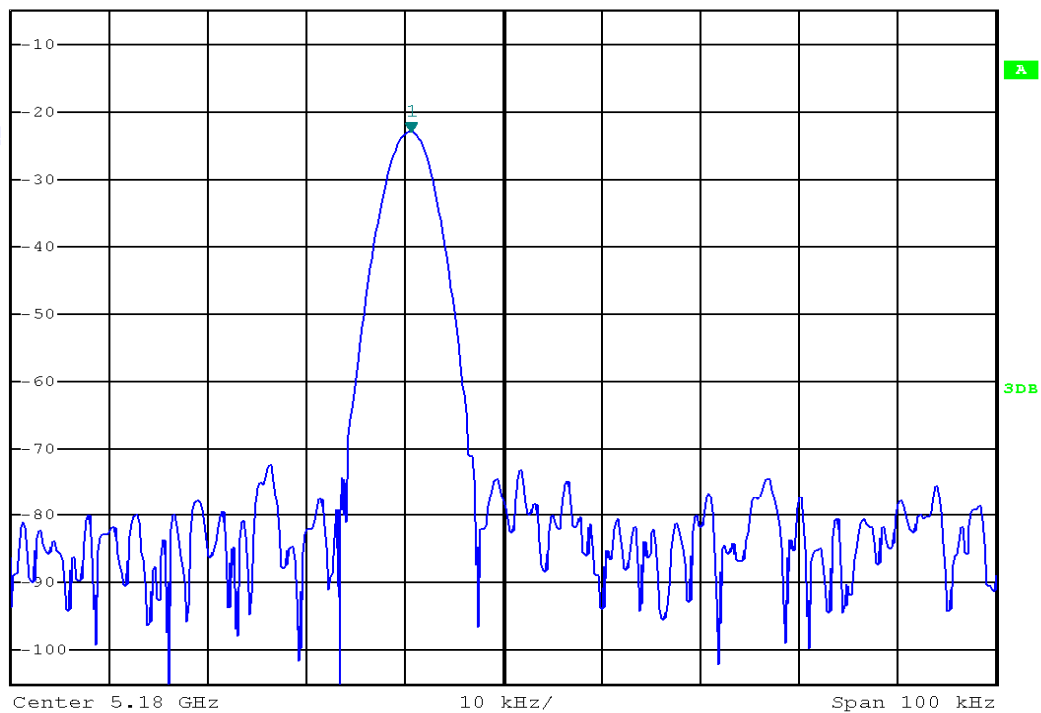
Date: 8.JUN.2015 16:34:10

10deg C



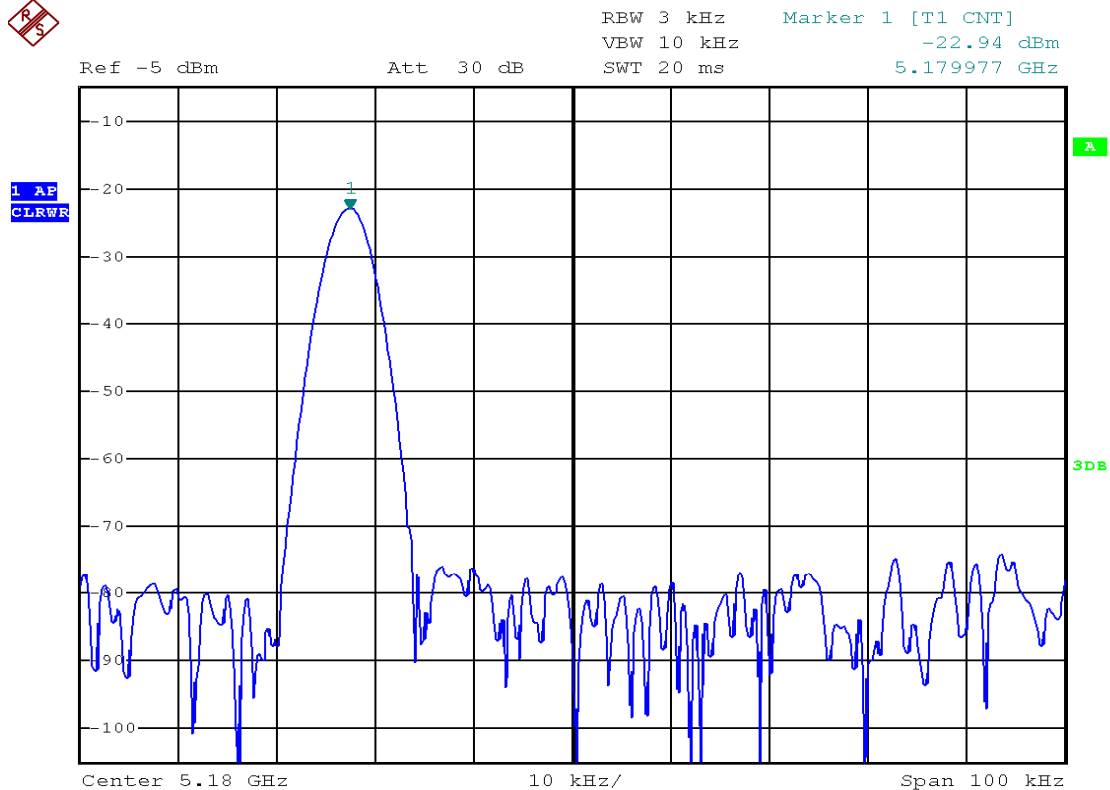
1 AP
CLRWR

Ref -5 dBm Att 30 dB RBW 3 kHz Marker 1 [T1 CNT]
VBW 10 kHz -22.95 dBm
SWT 20 ms 5.179991 GHz



Date: 8.JUN.2015 17:19:55

20deg C



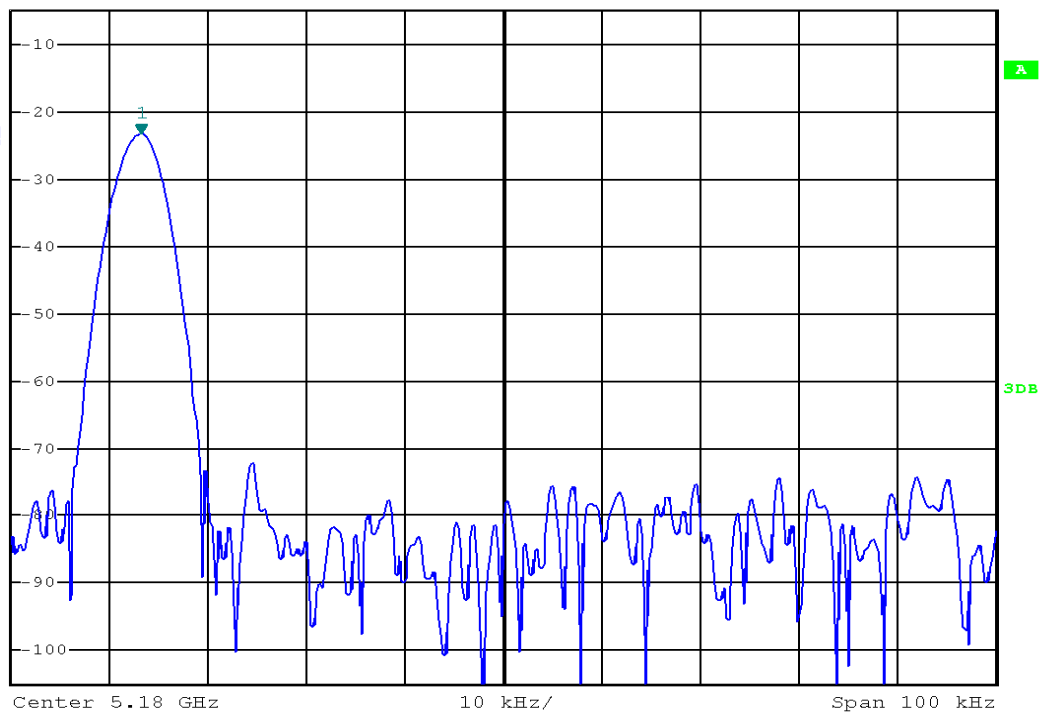
Date: 8.JUN.2015 17:55:02

30deg C



1 AP
CLRWR

Ref -5 dBm Att 30 dB RBW 3 kHz Marker 1 [T1 CNT]
VBW 10 kHz -23.32 dBm
SWT 20 ms 5.179963 GHz

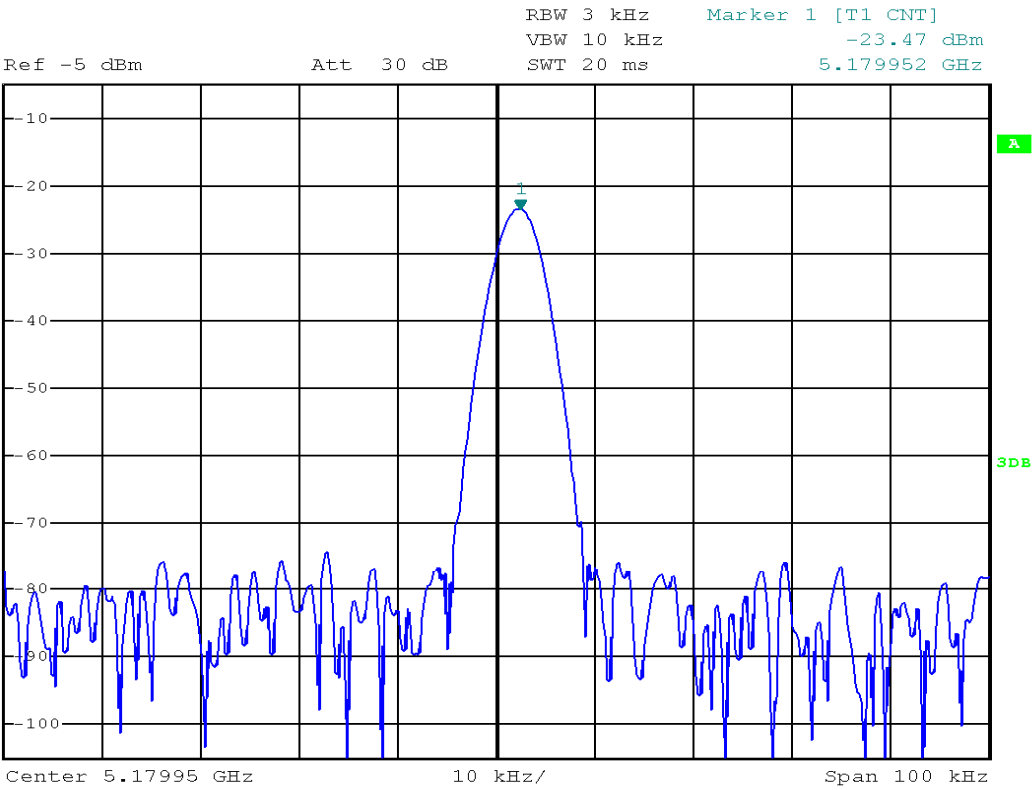


Date: 8.JUN.2015 18:29:47

40deg C



1 AP
CLRWR

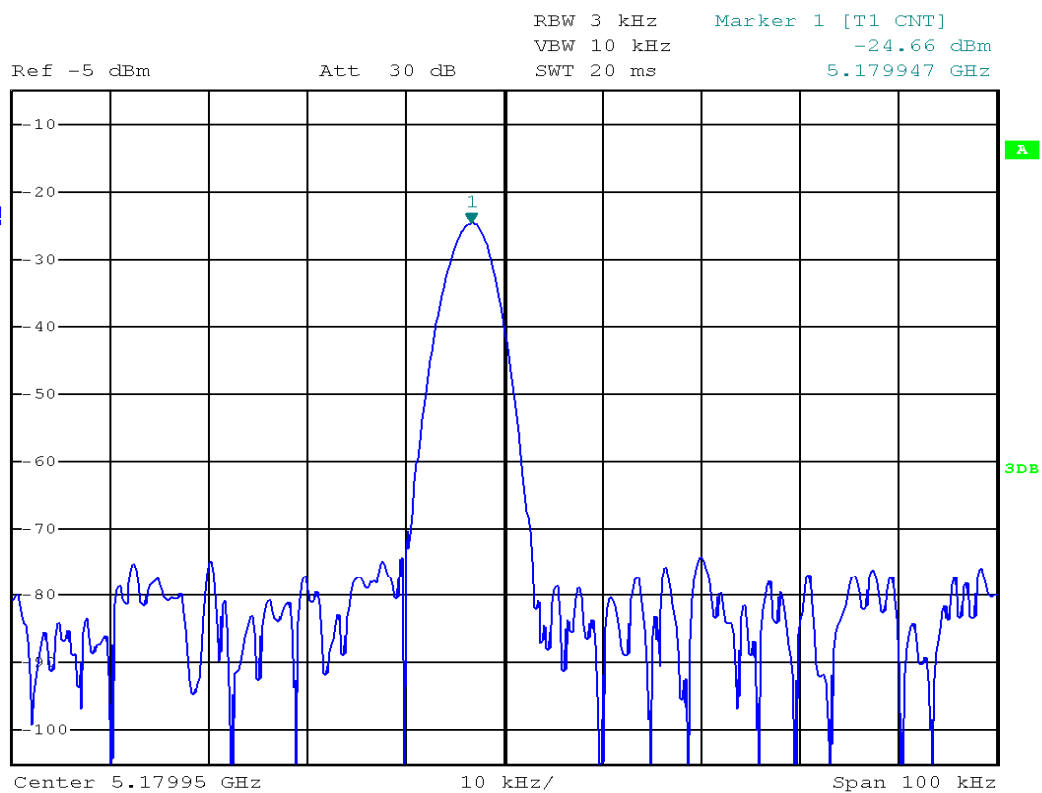


Date: 8.JUN.2015 19:07:34

50deg C



1 AP
CLRWR



Date: 8.JUN.2015 19:47:54