

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,

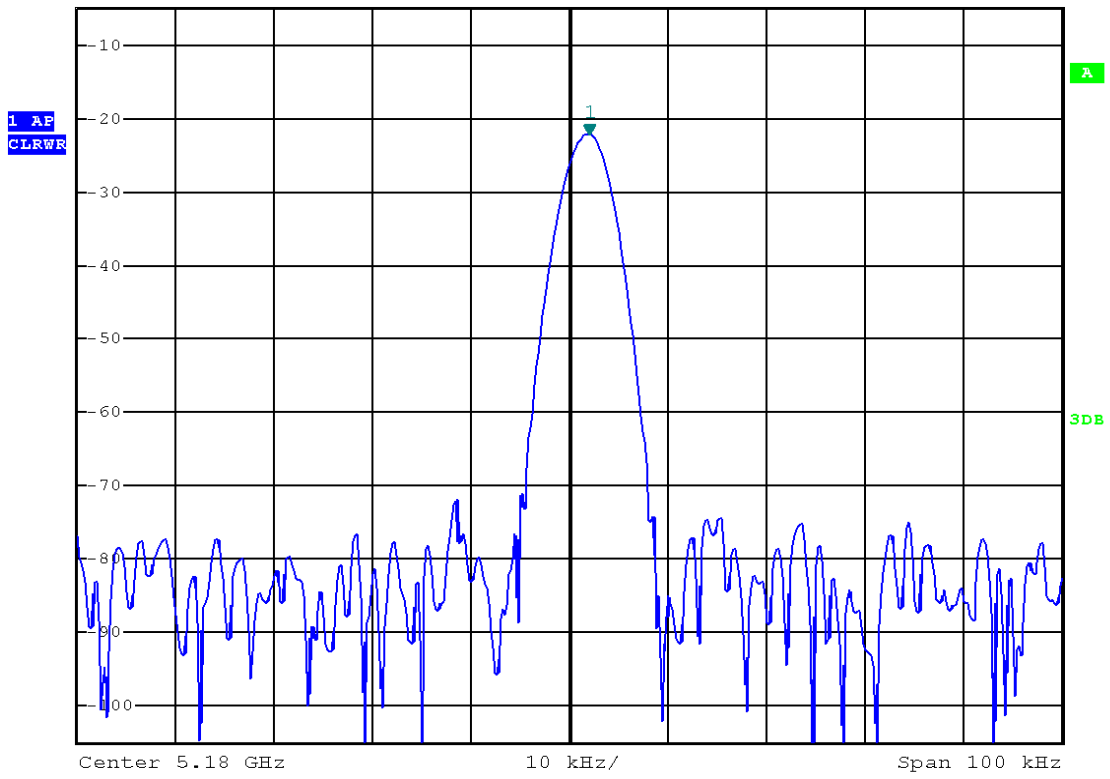
Temp. (C')	Nominal Freq. (GHz)	Offset (KHz)	PPM Offset
0	5.180002	2	0.39
10	5.179991	-9	-1.74
20	5.179977	-23	-4.44
30	5.179963	-37	-7.14
40	5.179952	-48	-9.27
50	5.179947	-53	-10.23

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



Ref -5 dBm Att 30 dB RBW 3 kHz Marker 1 [T1 CNT] -22.08 dBm
5.180002 GHz



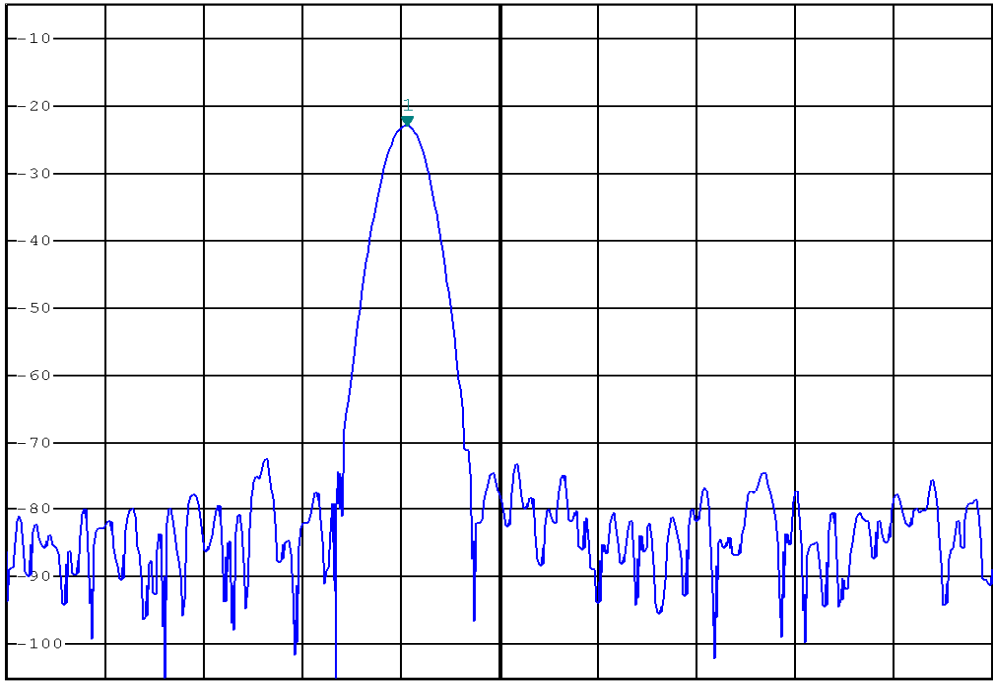
Date: 8.JUN.2015 16:34:10

10deg C



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

1 AP
CLRWR



Center 5.18 GHz 10 kHz/ Span 100 kHz

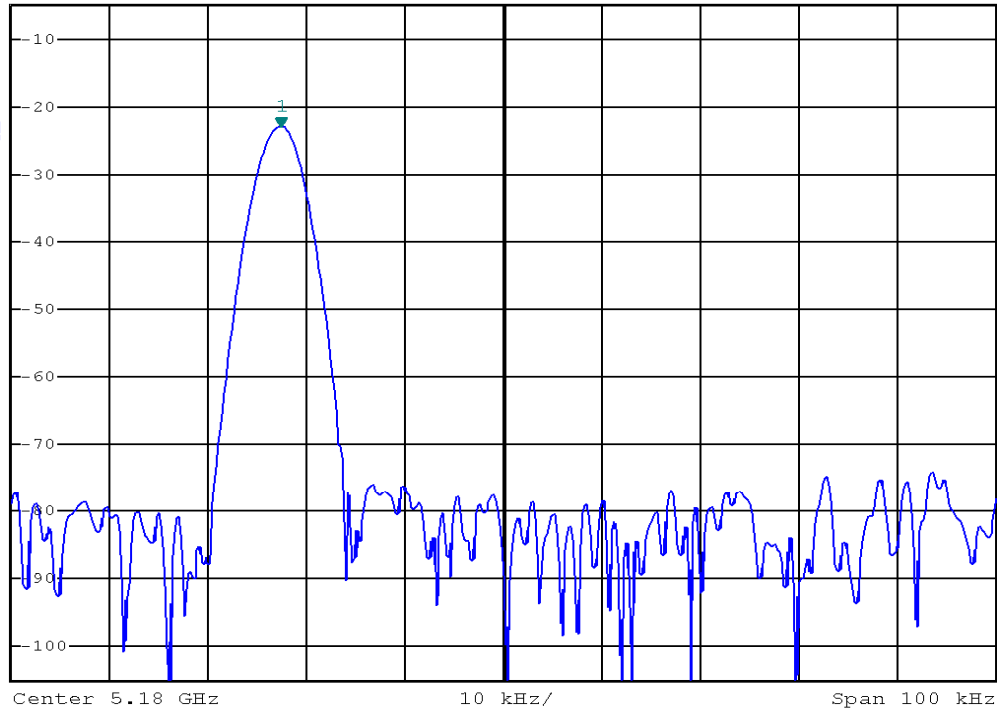
Date: 8.JUN.2015 17:19:55

20deg C



Ref -5 dBm Att 30 dB RBW 3 kHz Marker 1 [T1 CNT] -22.94 dBm
Center 5.18 GHz Span 100 kHz VBW 10 kHz 5.179977 GHz
SWT 20 ms

1. AP
CDRWR



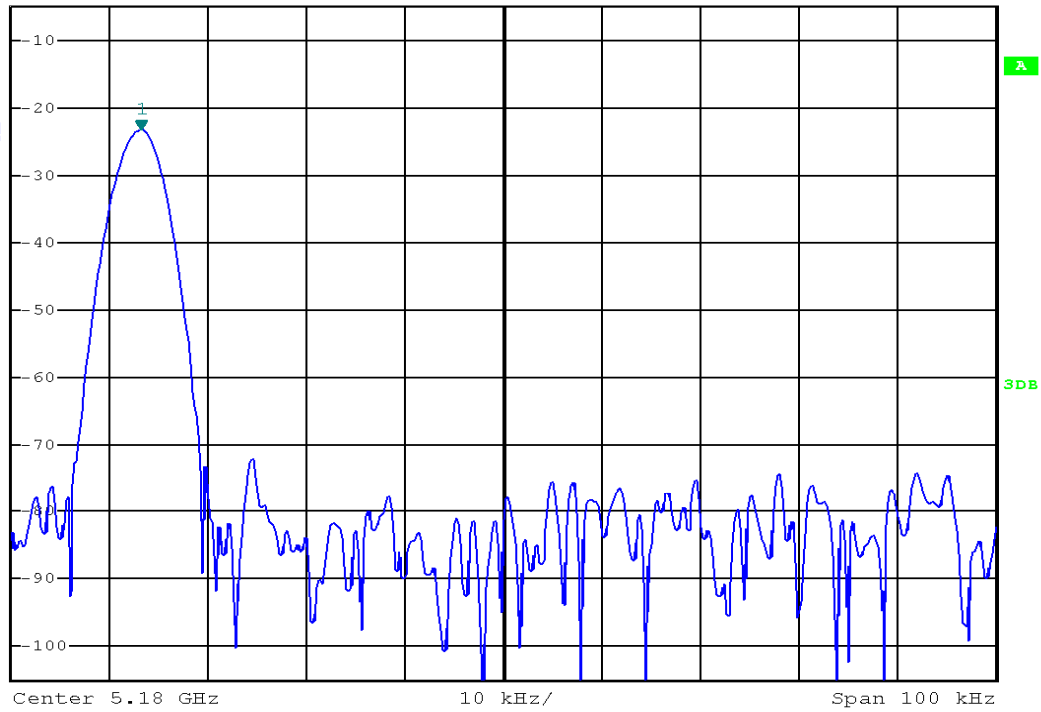
Date: 8.JUN.2015 17:55:02

30deg C



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

1 AP
CLRWR



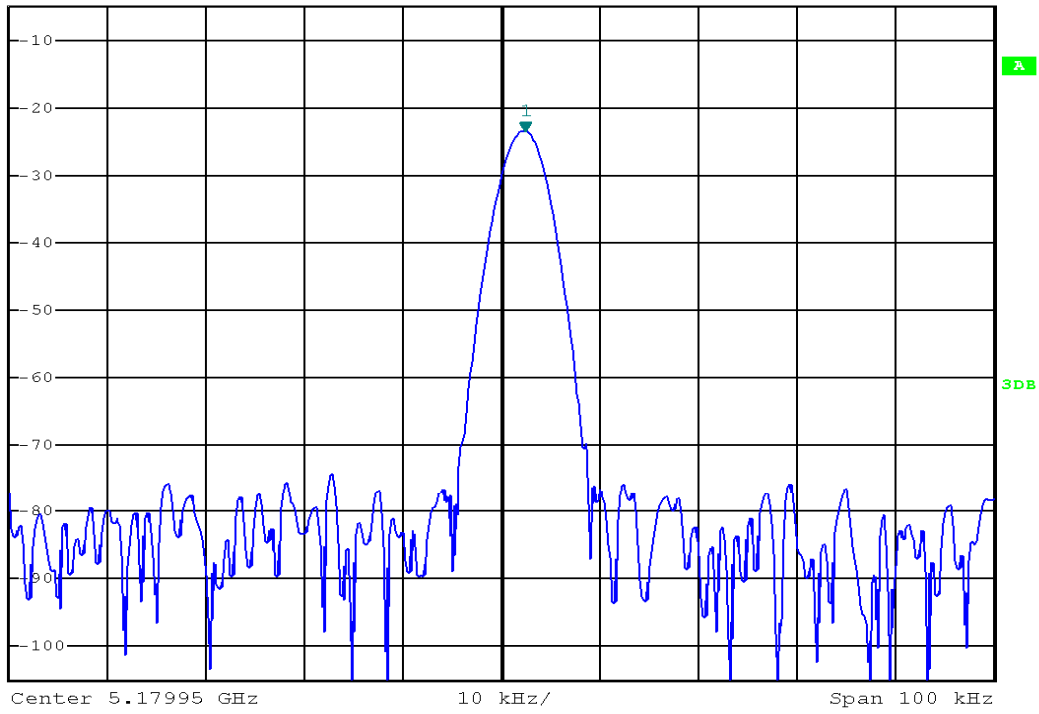
Date: 8.JUN.2015 18:29:47

40deg C



Ref -5 dBm Att 30 dB RBW 3 kHz Marker 1 [T1 CNT] -23.47 dBm
5.179952 GHz
VBW 10 kHz
SWT 20 ms

1 AP
CLRWR



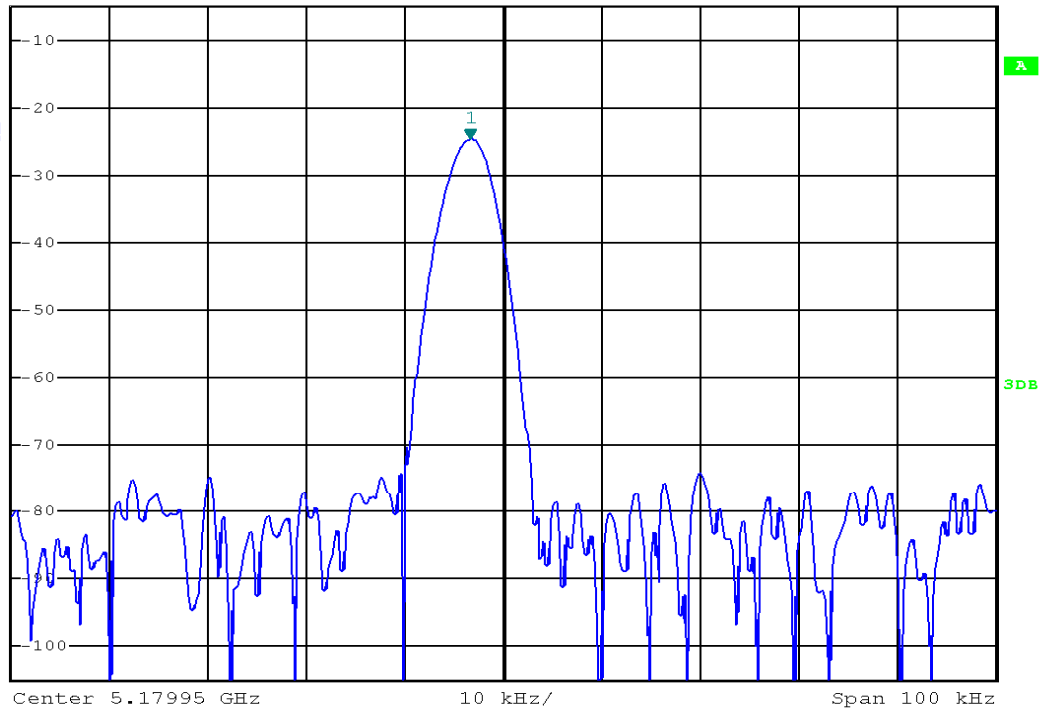
Date: 8.JUN.2015 19:07:34

50deg C



Ref -5 dBm Att 30 dB RBW 3 kHz Marker 1 [T1 CNT] -24.66 dBm
5.179947 GHz
VBW 10 kHz
SWT 20 ms

1 AP
CLRWR



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