5.1.1.2.1.2.3 Test RB = RB3#2

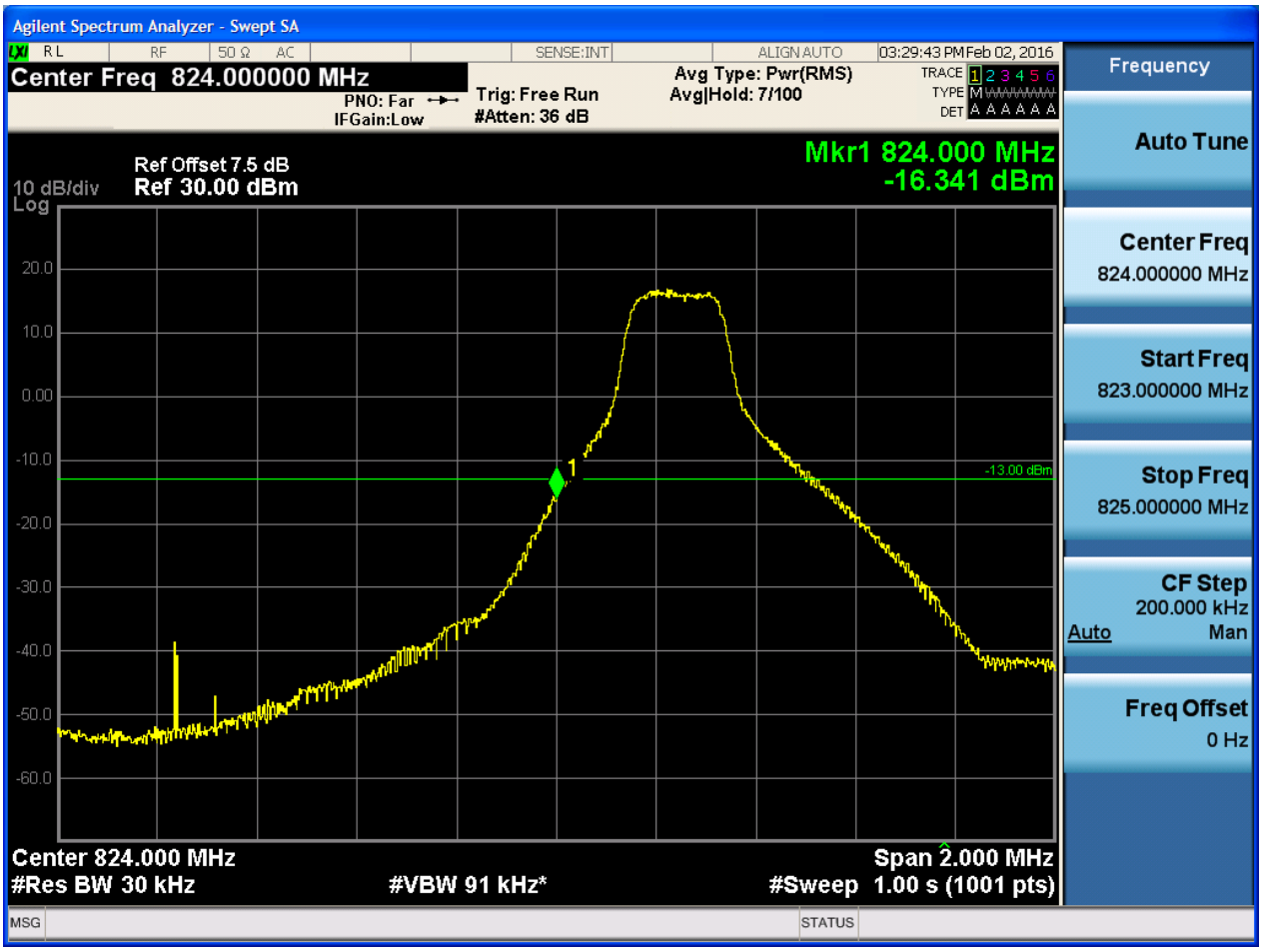
Copyright © Huawei Technologies Co., Ltd.

5.1.1.2.1.2.4 Test RB = RB6#0

5.1.1.2.2 Test Bandwidth = 3

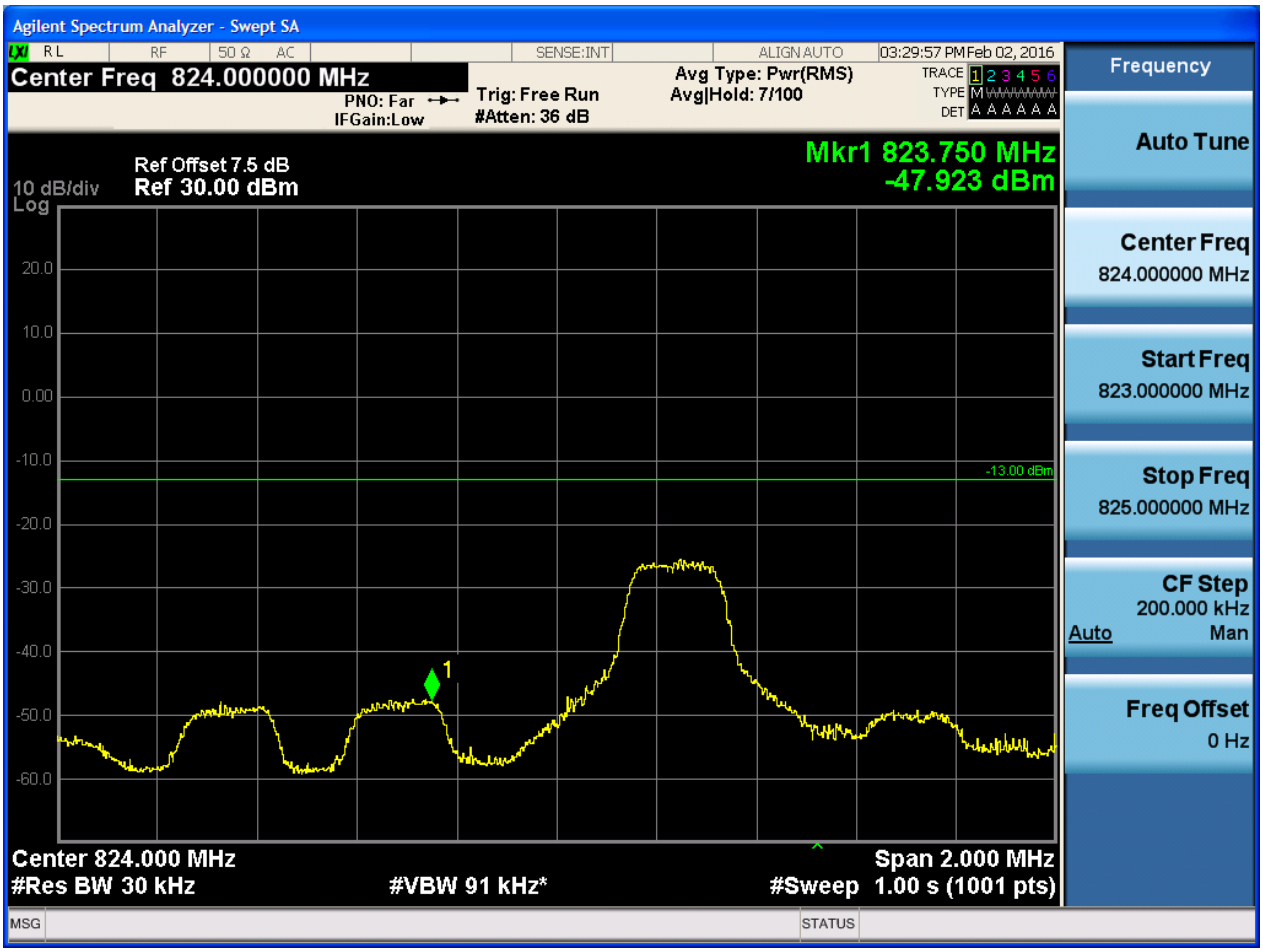
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0

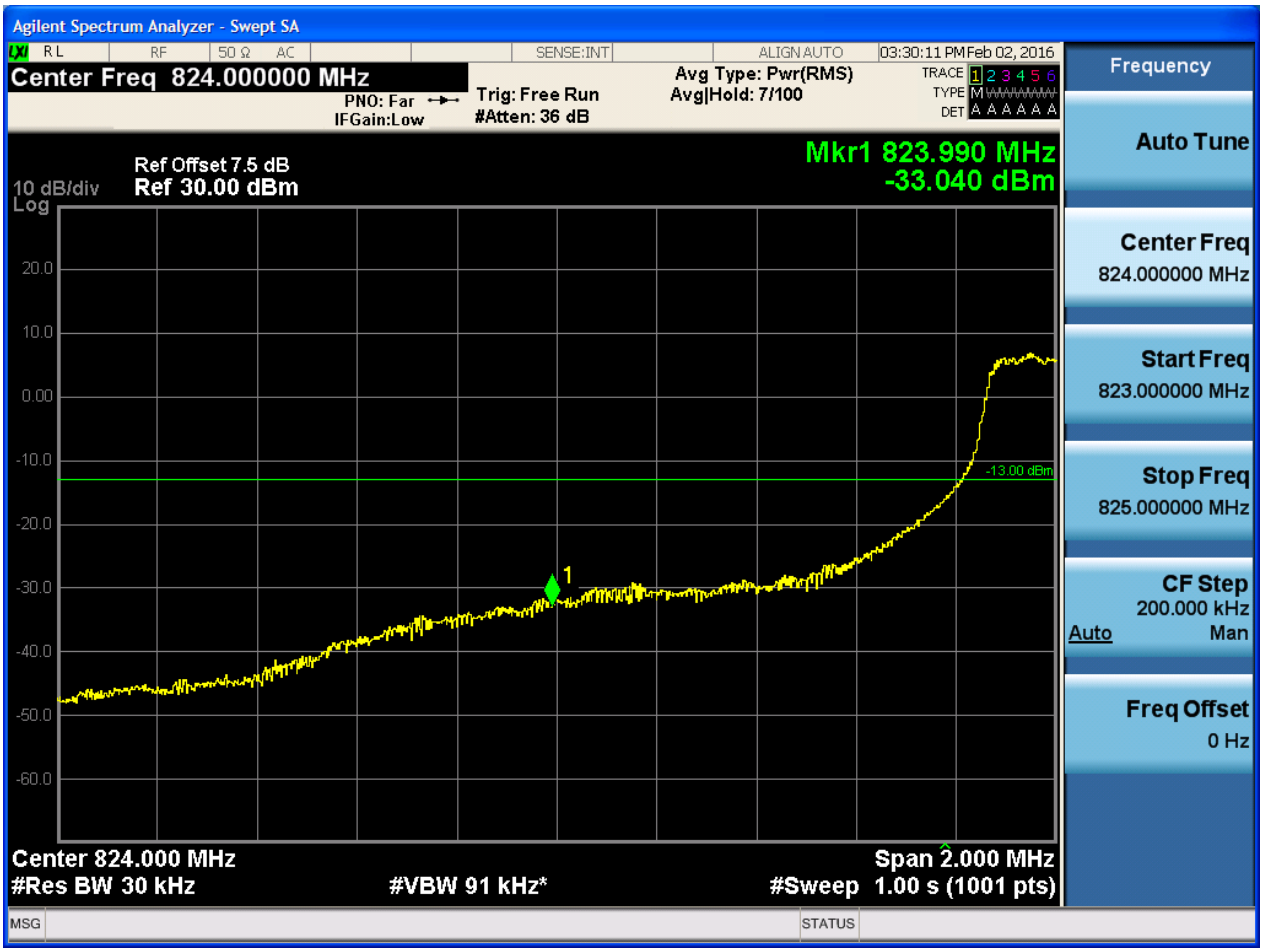


Copyright © Huawei Technologies Co., Ltd.

5.1.1.2.2.1.2 Test RB = RB1#14

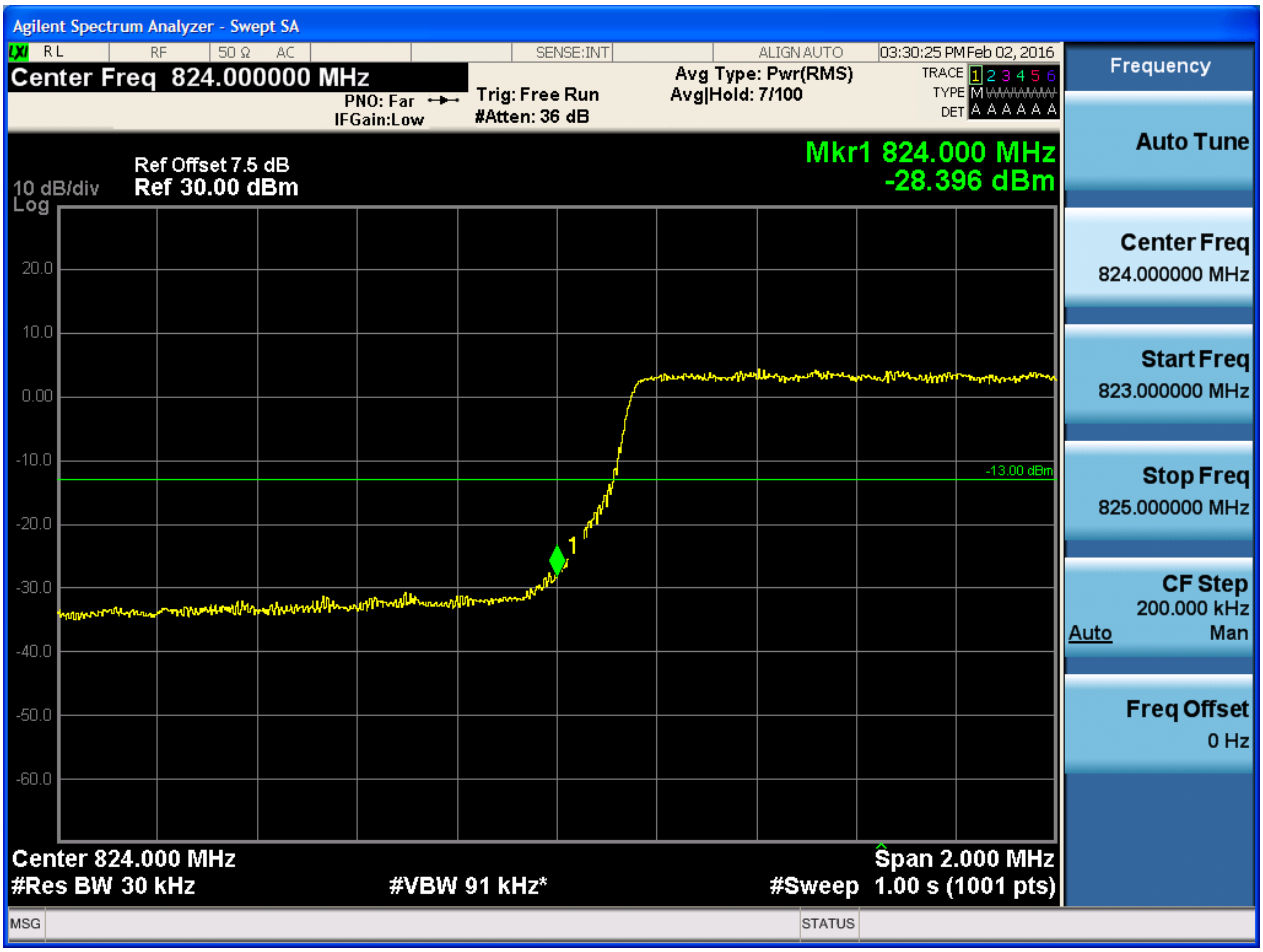


5.1.1.2.2.1.3 Test RB = RB8#4



Copyright © Huawei Technologies Co., Ltd.

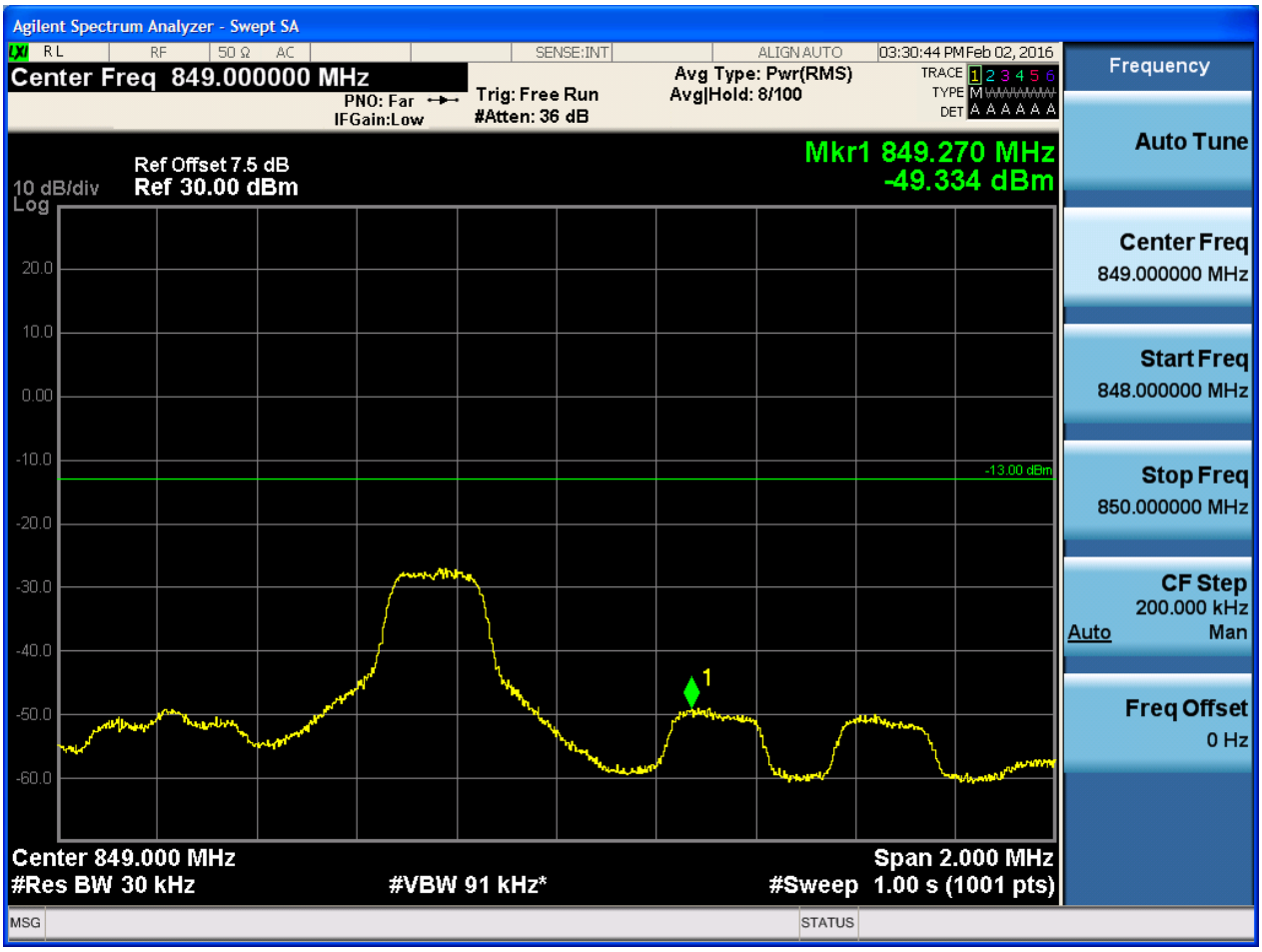
5.1.1.2.2.1.4 Test RB = RB15#0



Copyright © Huawei Technologies Co., Ltd.

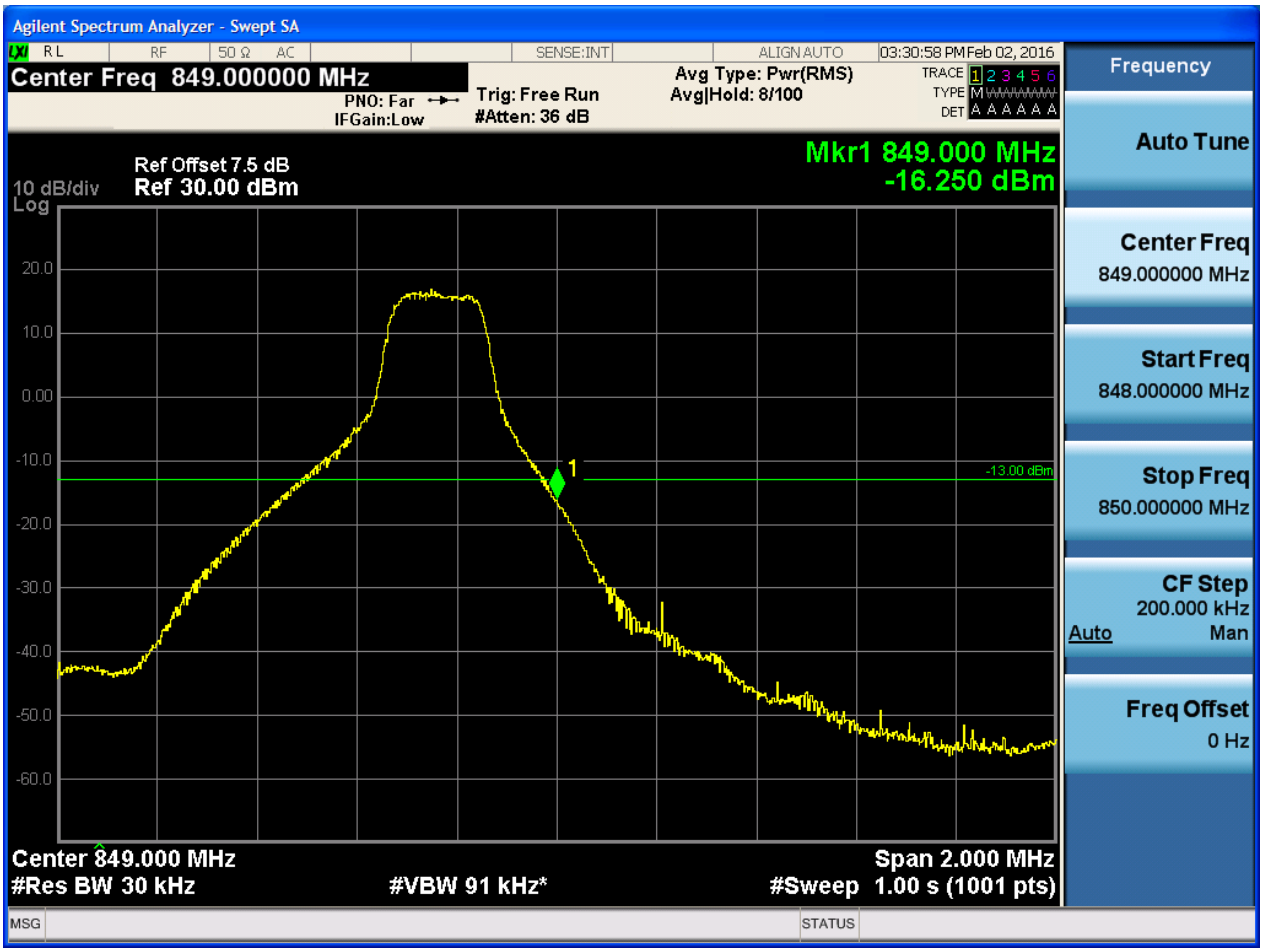
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

5.1.1.2.2.2.2 Test RB = RB1#14



5.1.1.2.2.2.3 Test RB = RB8#4

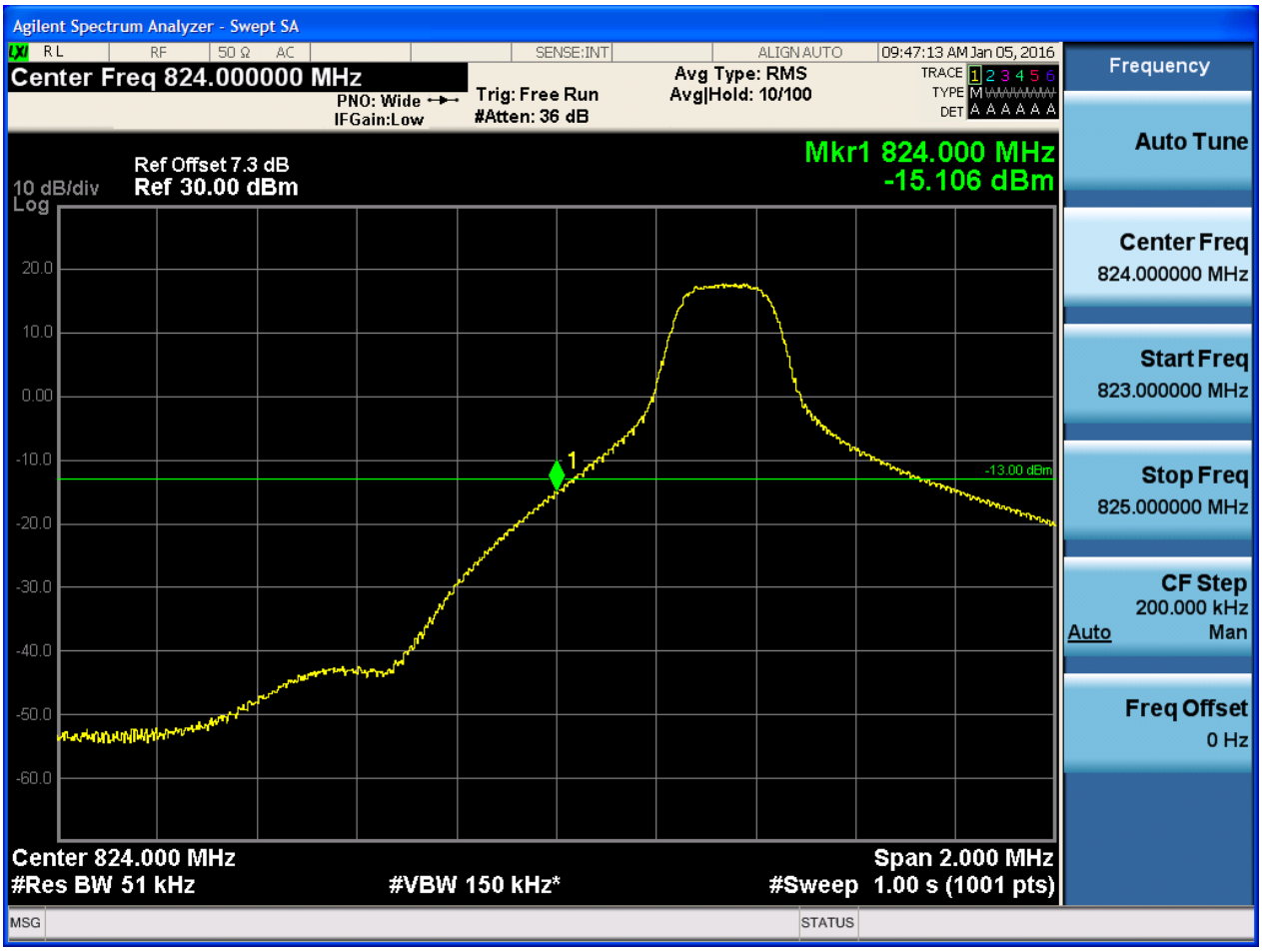
5.1.1.2.2.2.4 Test RB =

RB15#0

5.1.3.2.1 Test Bandwidth = 5

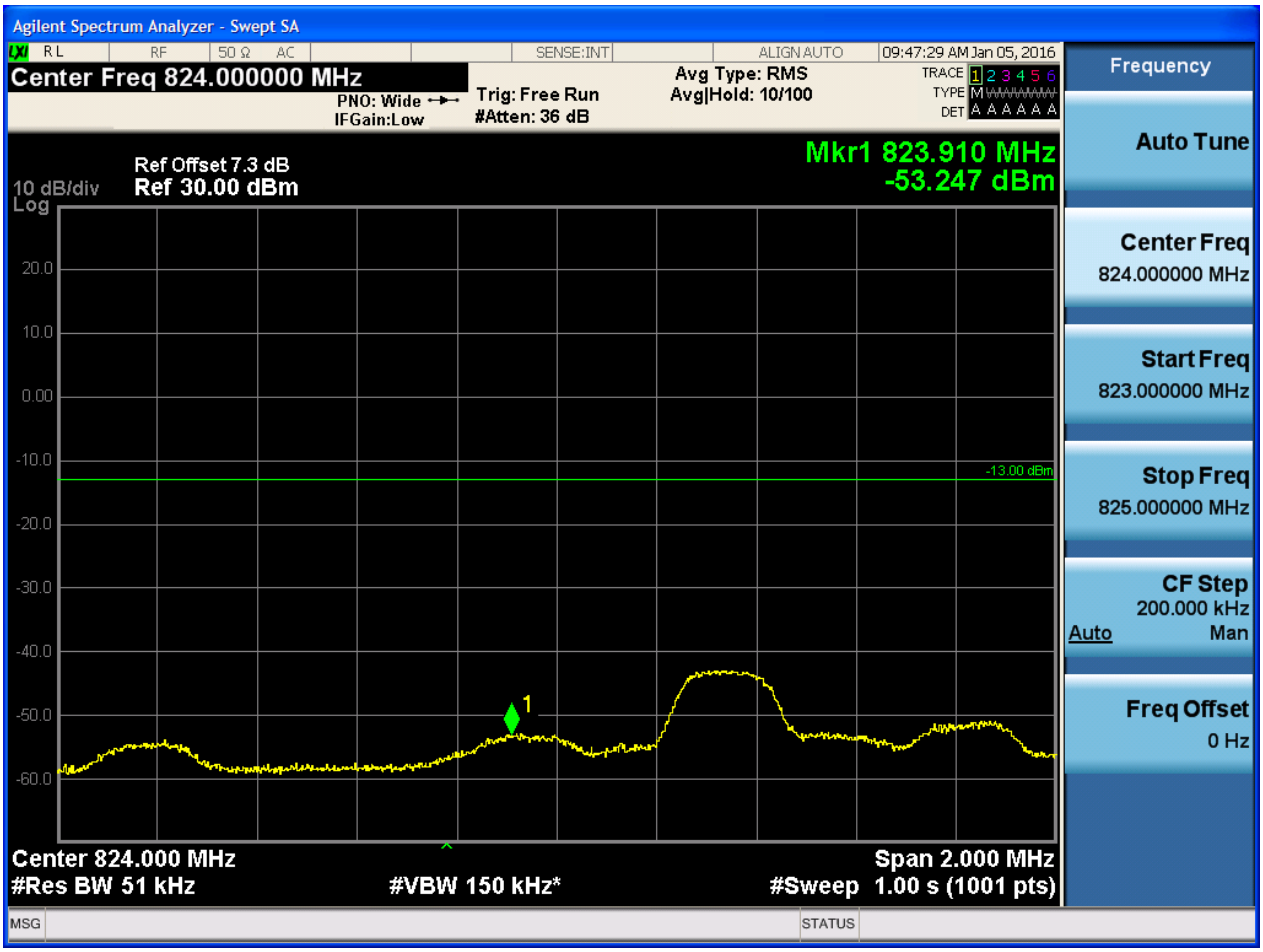
5.1.3.2.1.1 Test Channel = LCH

5.1.3.2.1.1.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

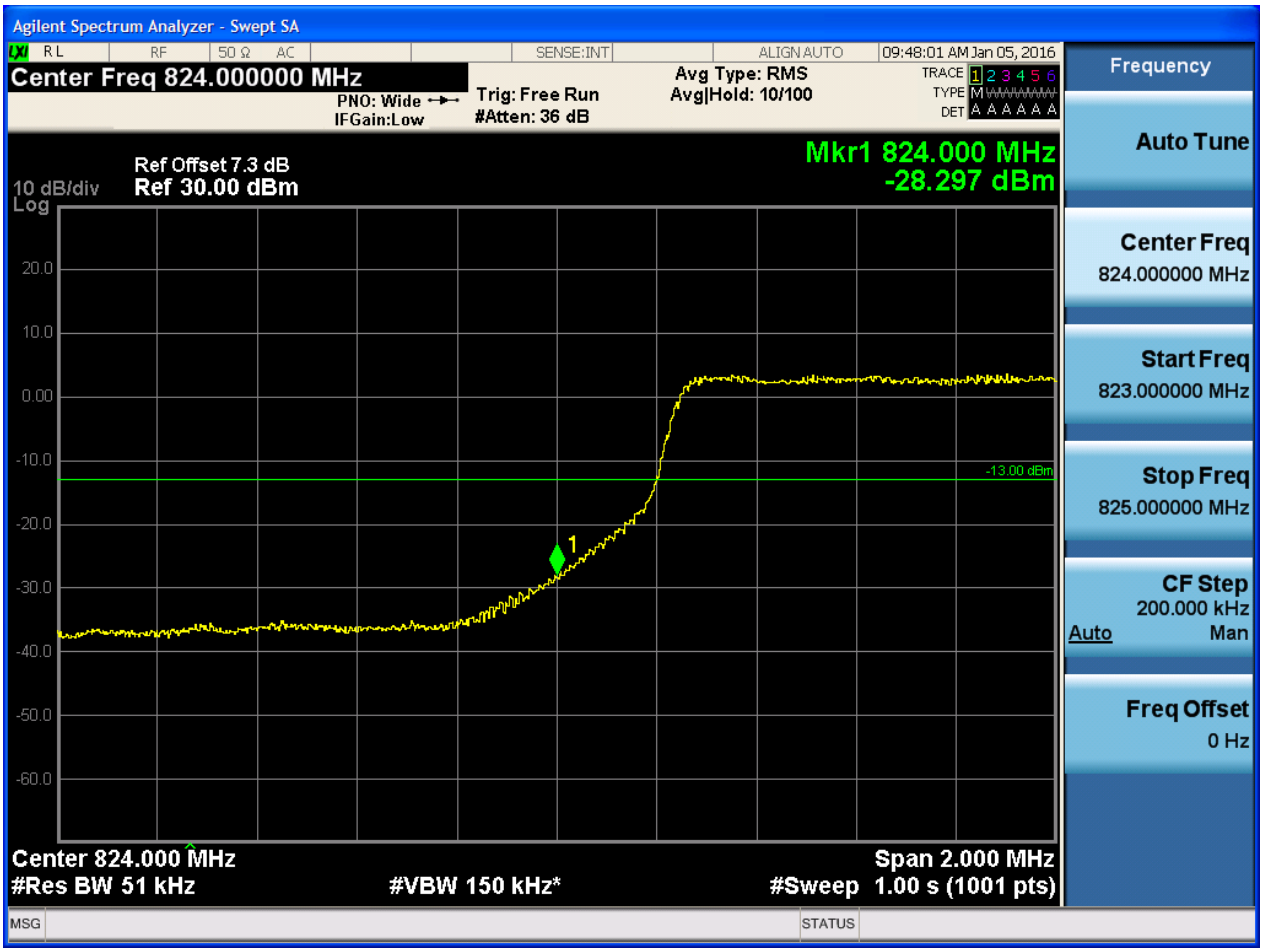
5.1.3.2.1.1.2 Test RB = RB1#24



Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.1.1.3 Test RB = RB12#6

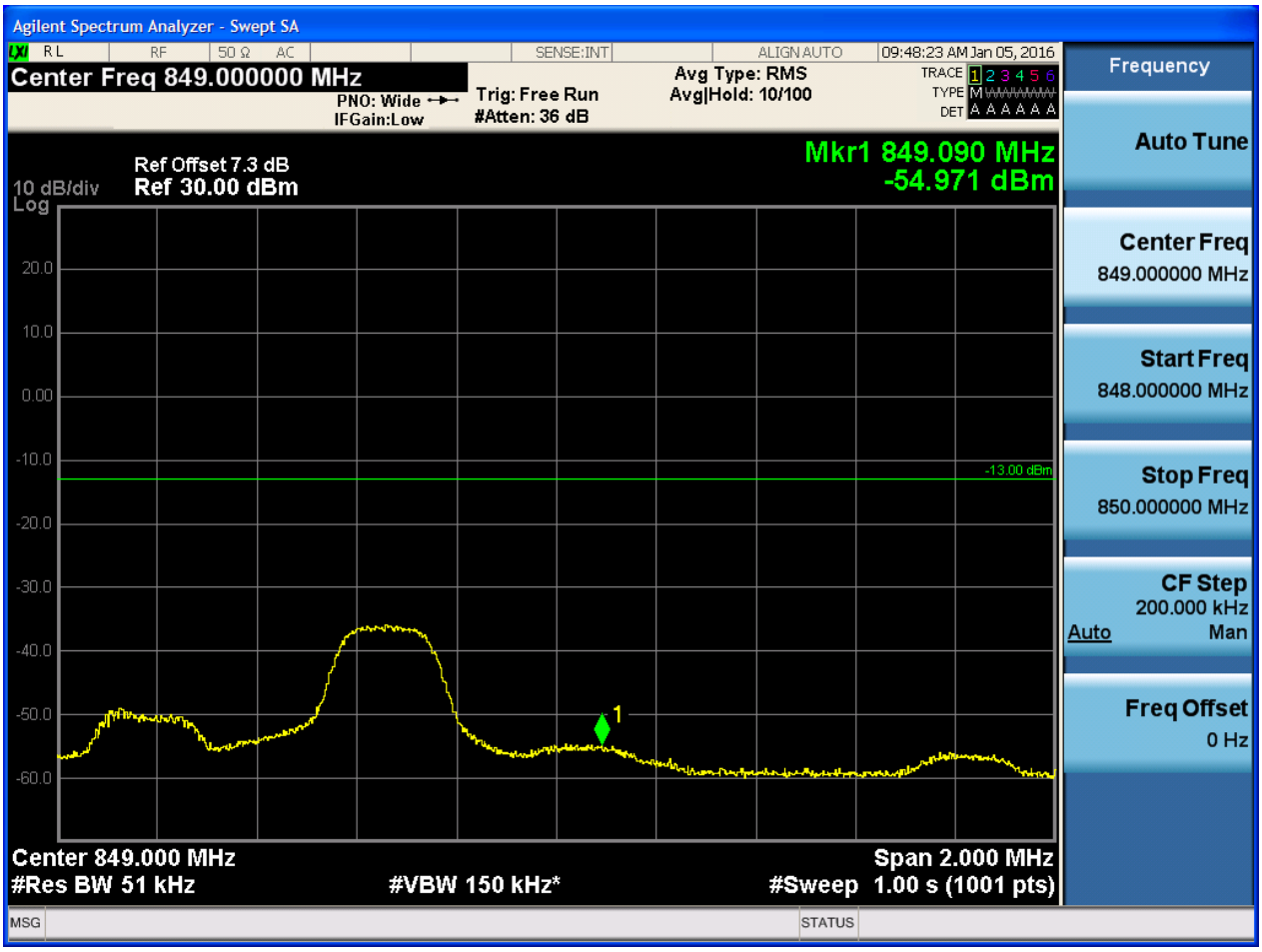
5.1.3.2.1.1.4 Test RB = RB25#0



Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.1.2 Test Channel = HCH

5.1.3.2.1.2.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.1.2.2 Test RB = RB1#24

Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.1.2.3 Test RB = RB12#6

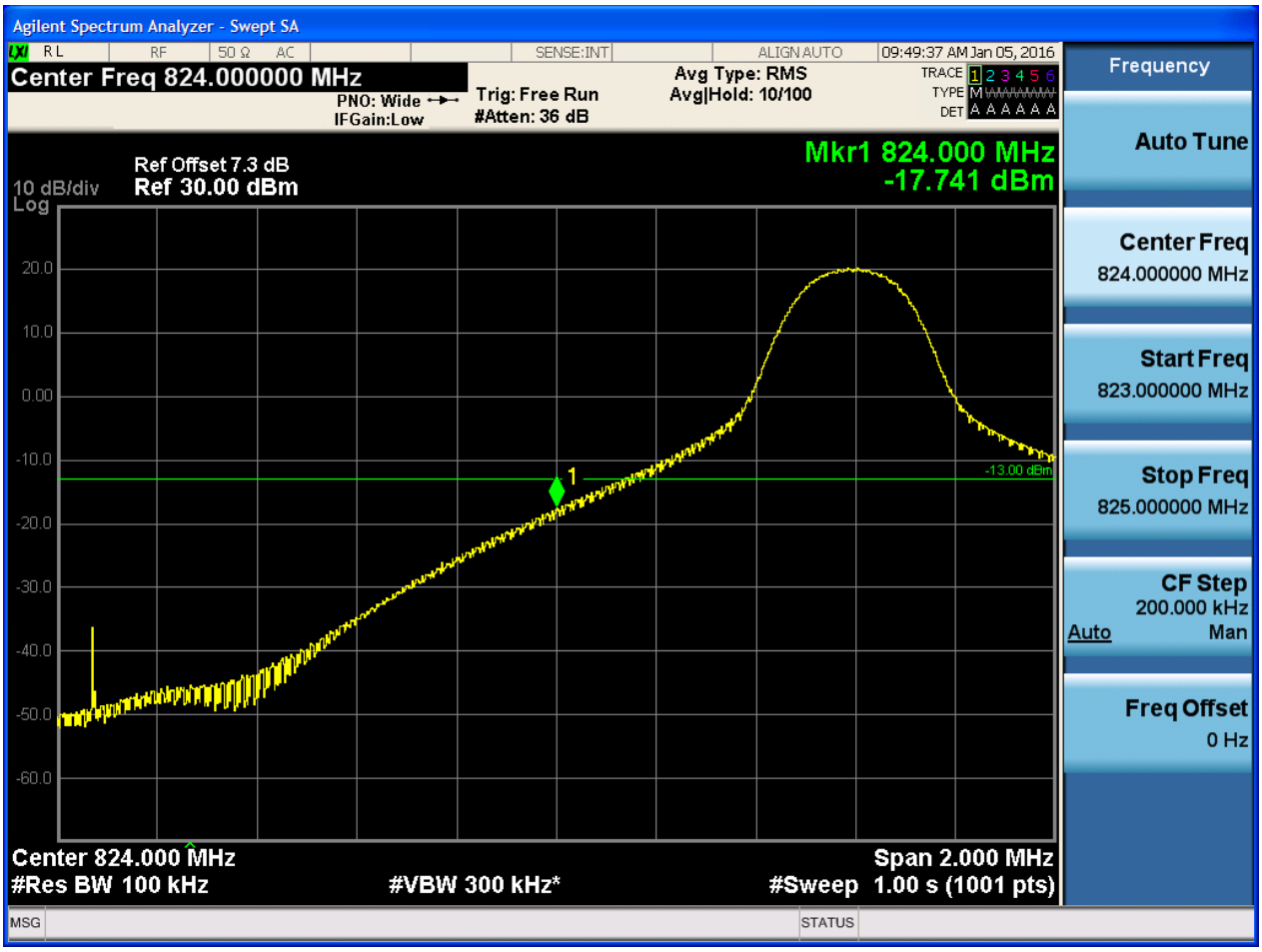
5.1.3.2.1.2.4 Test RB = RB25#0

Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.2 Test Bandwidth = 10

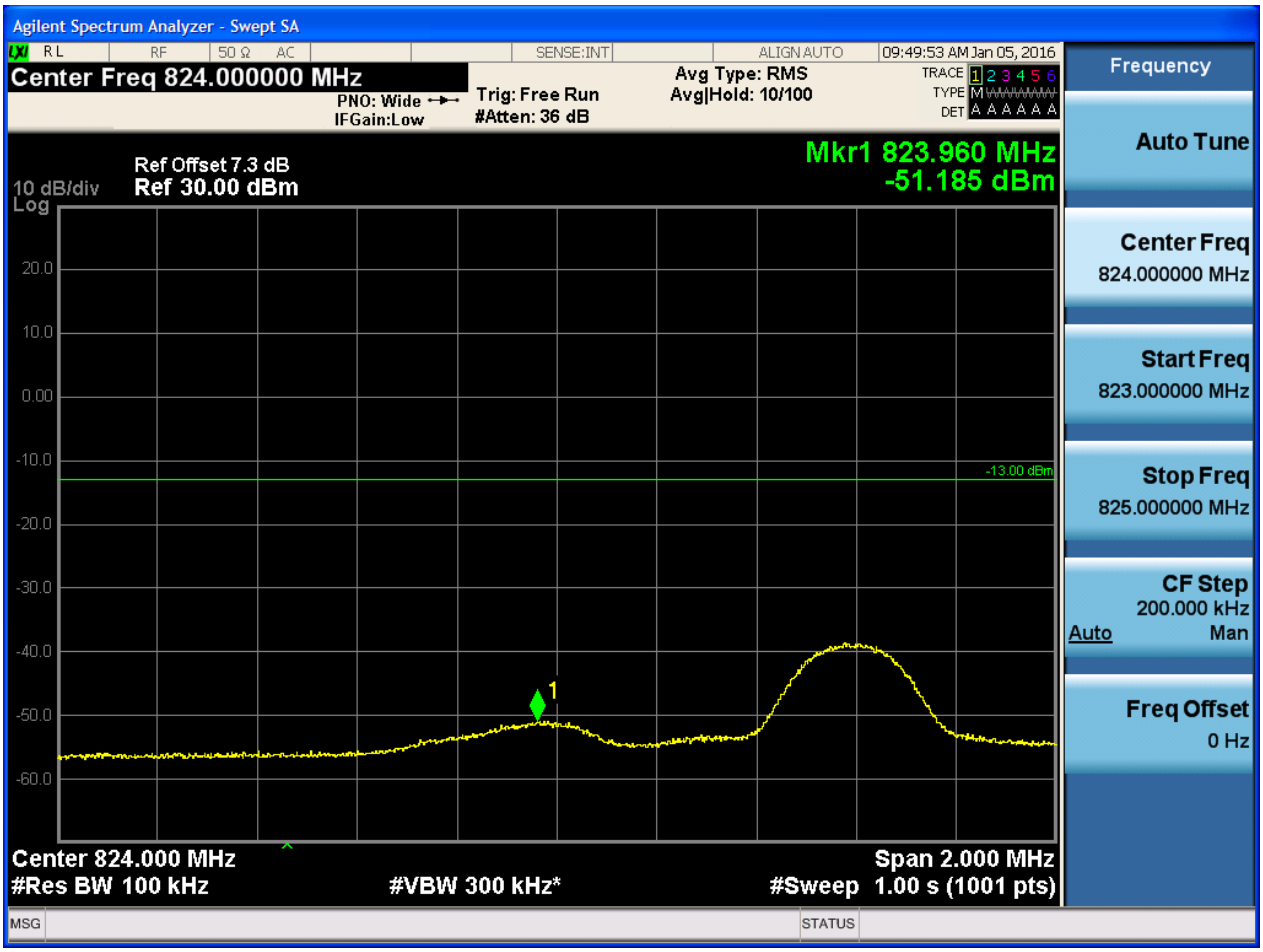
5.1.3.2.2.1 Test Channel = LCH

5.1.3.2.2.1.1 Test RB = RB1#0



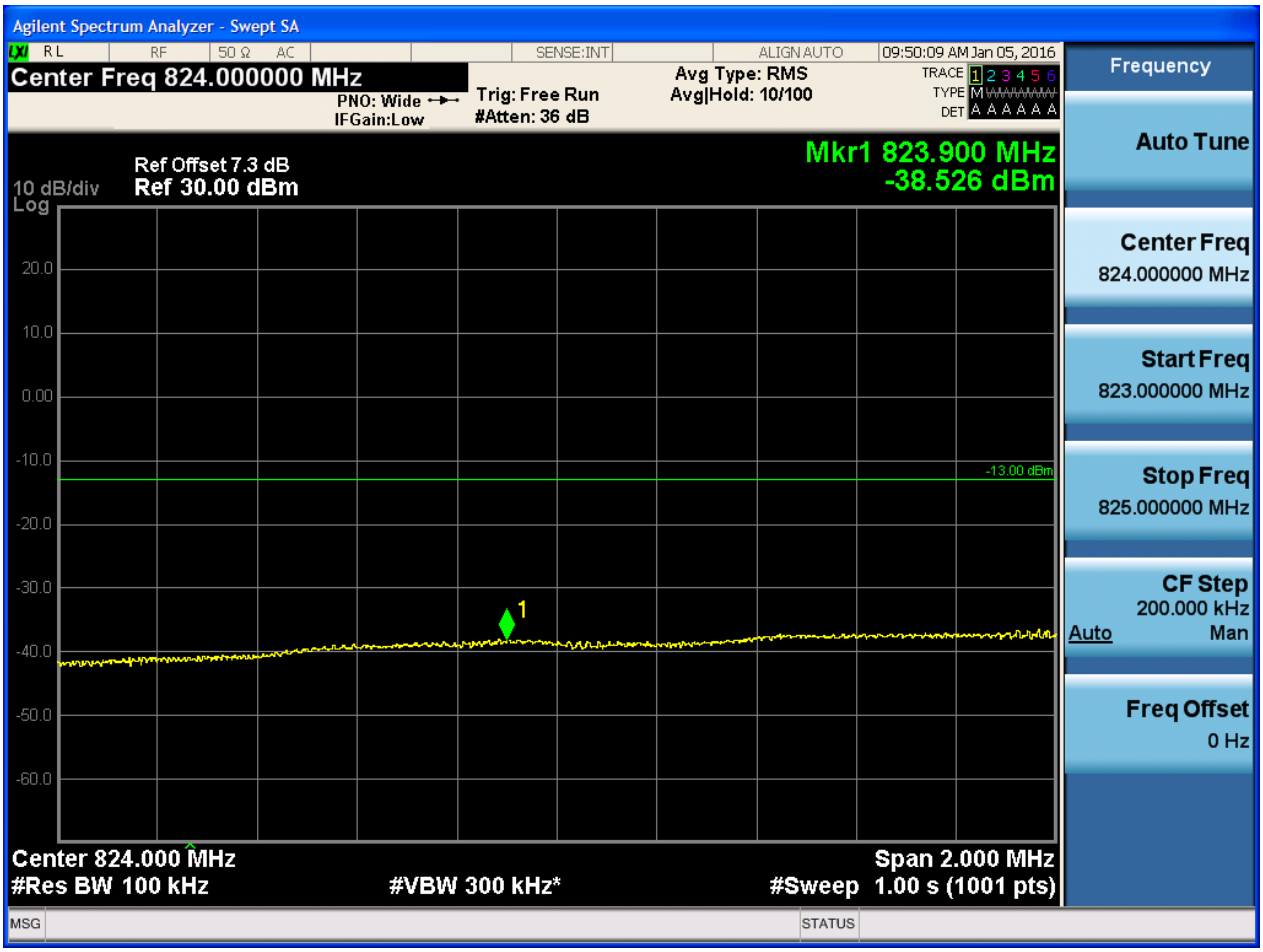
Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.2.1.2 Test RB = RB1#49



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.2.1.3 Test RB = RB25#13



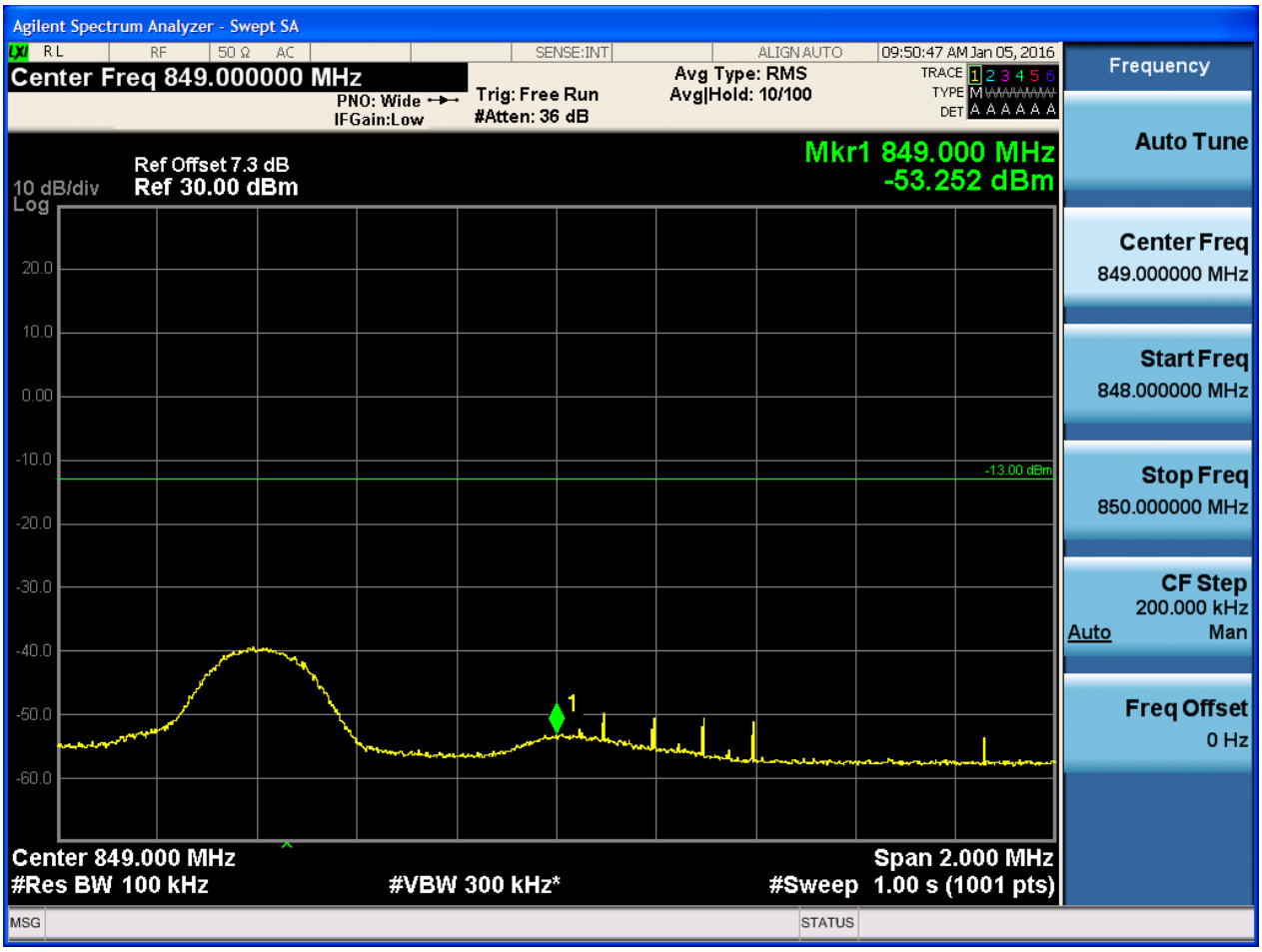
Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.2.1.4 Test RB = RB50#0

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

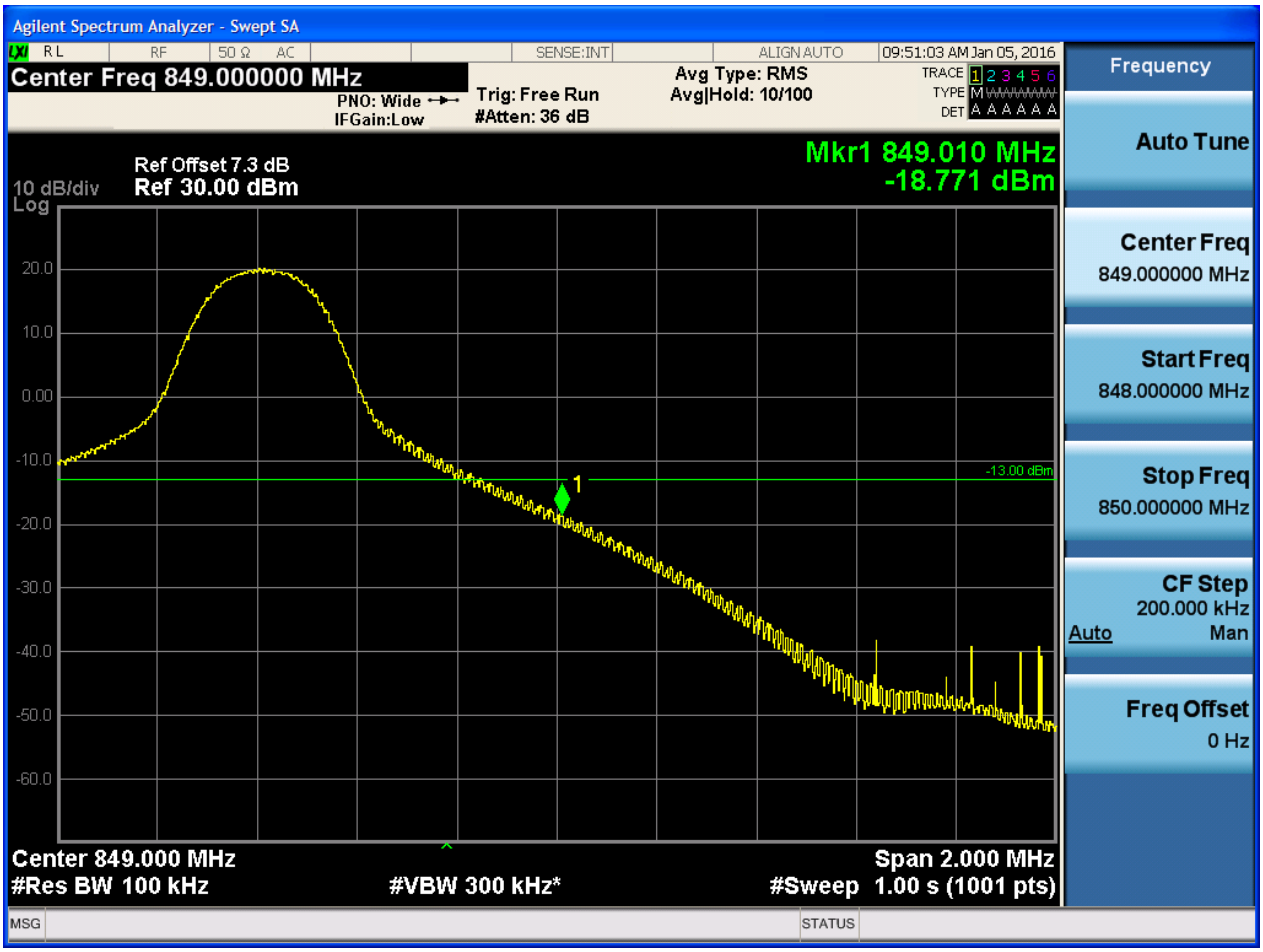
5.1.3.2.2.2 Test Channel = HCH

5.1.3.2.2.2.1 Test RB = RB1#0



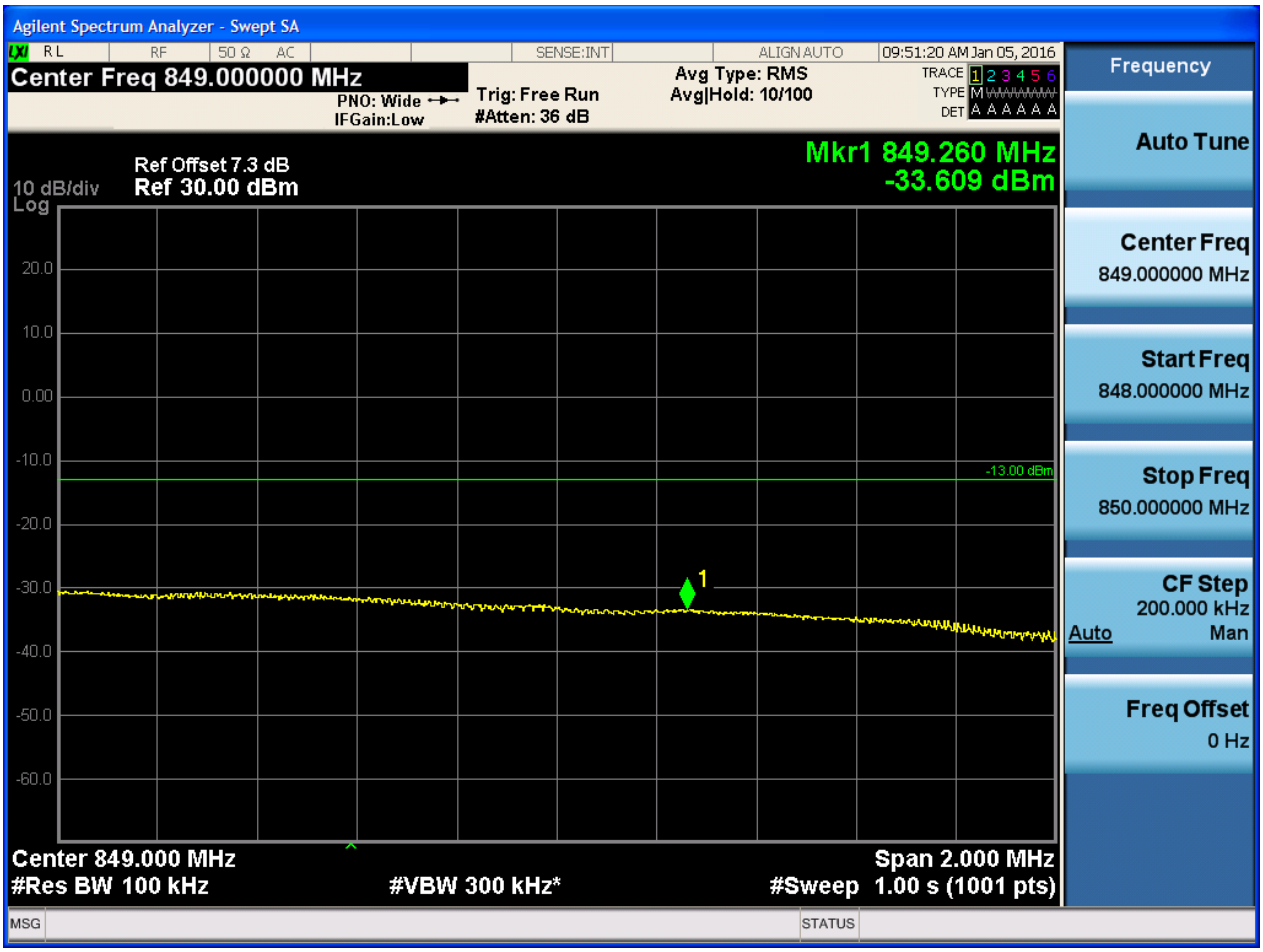
Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.2.2.2 Test RB = RB1#49



Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.2.2.3 Test RB = RB25#13



Copyright © Huawei Technologies Co., Ltd.

5.1.3.2.2.2.4 Test RB = RB50#0

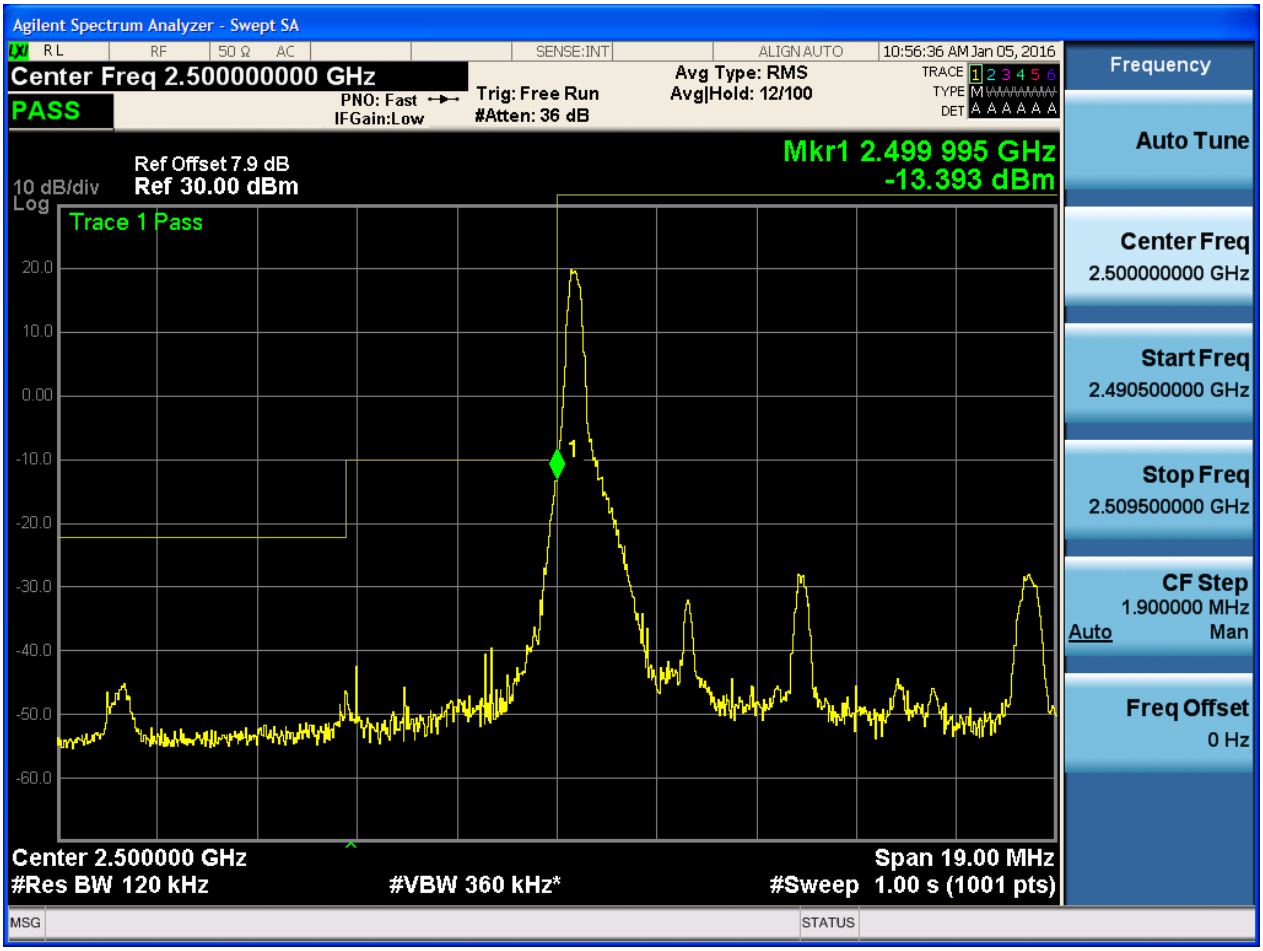
5.1.4 Test Band = BAND7

5.1.4.1 Test Mode = LTE/TM1

5.1.4.1.1 Test Bandwidth = 5

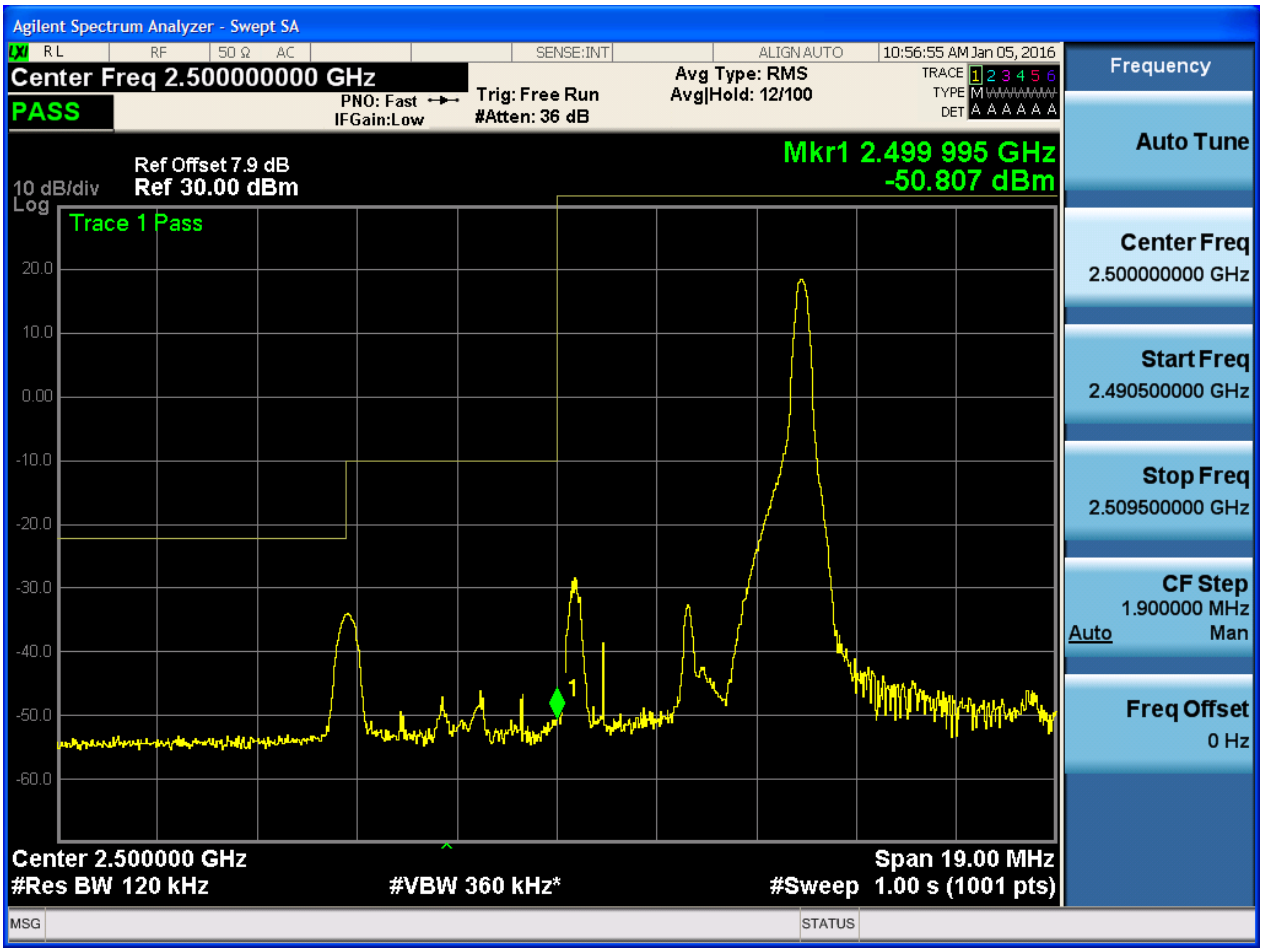
5.1.4.1.1.1 Test Channel = LCH

5.1.4.1.1.1.1 Test RB = RB1#0



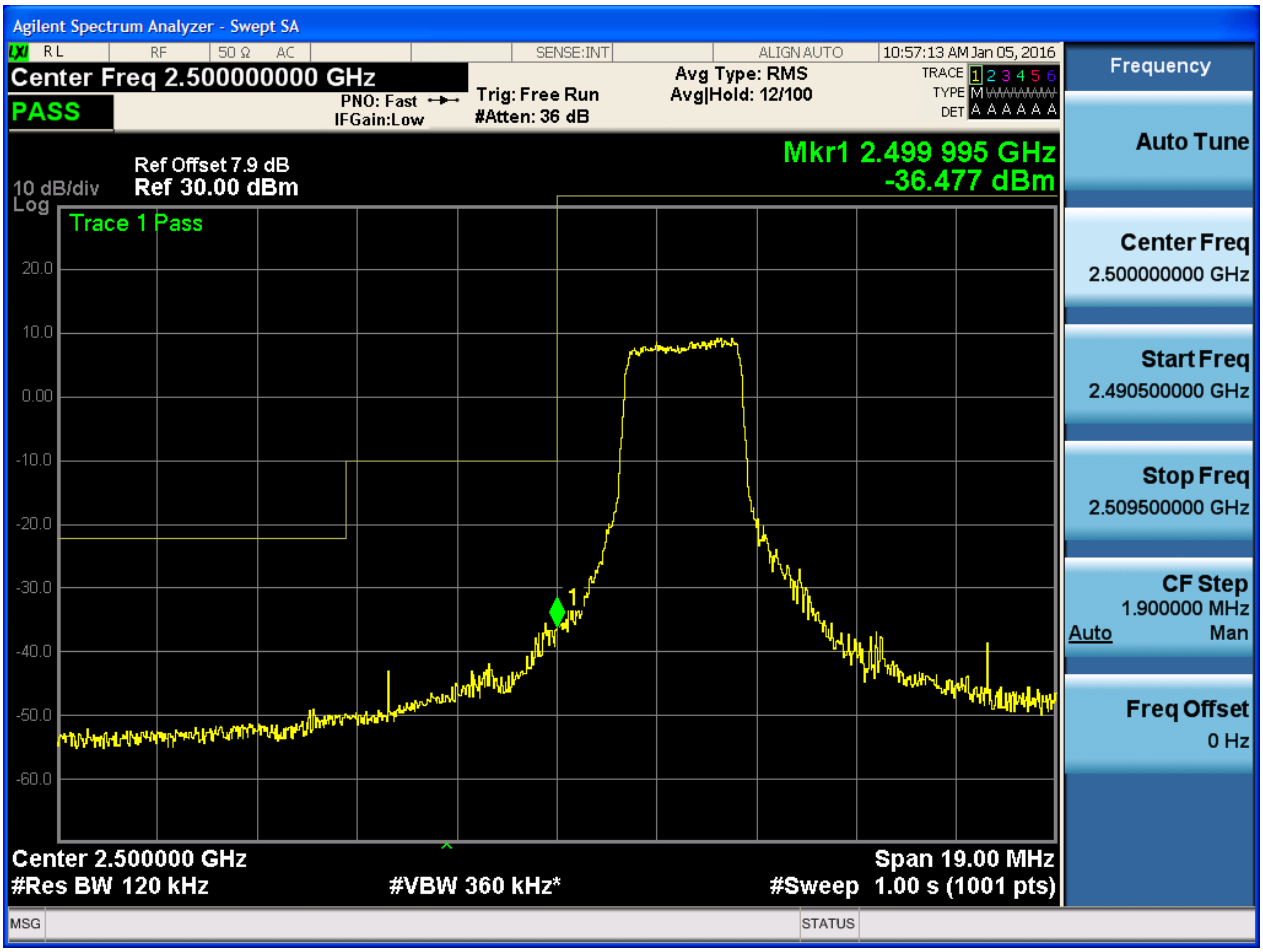
Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.1.1.2 Test RB = RB1#24

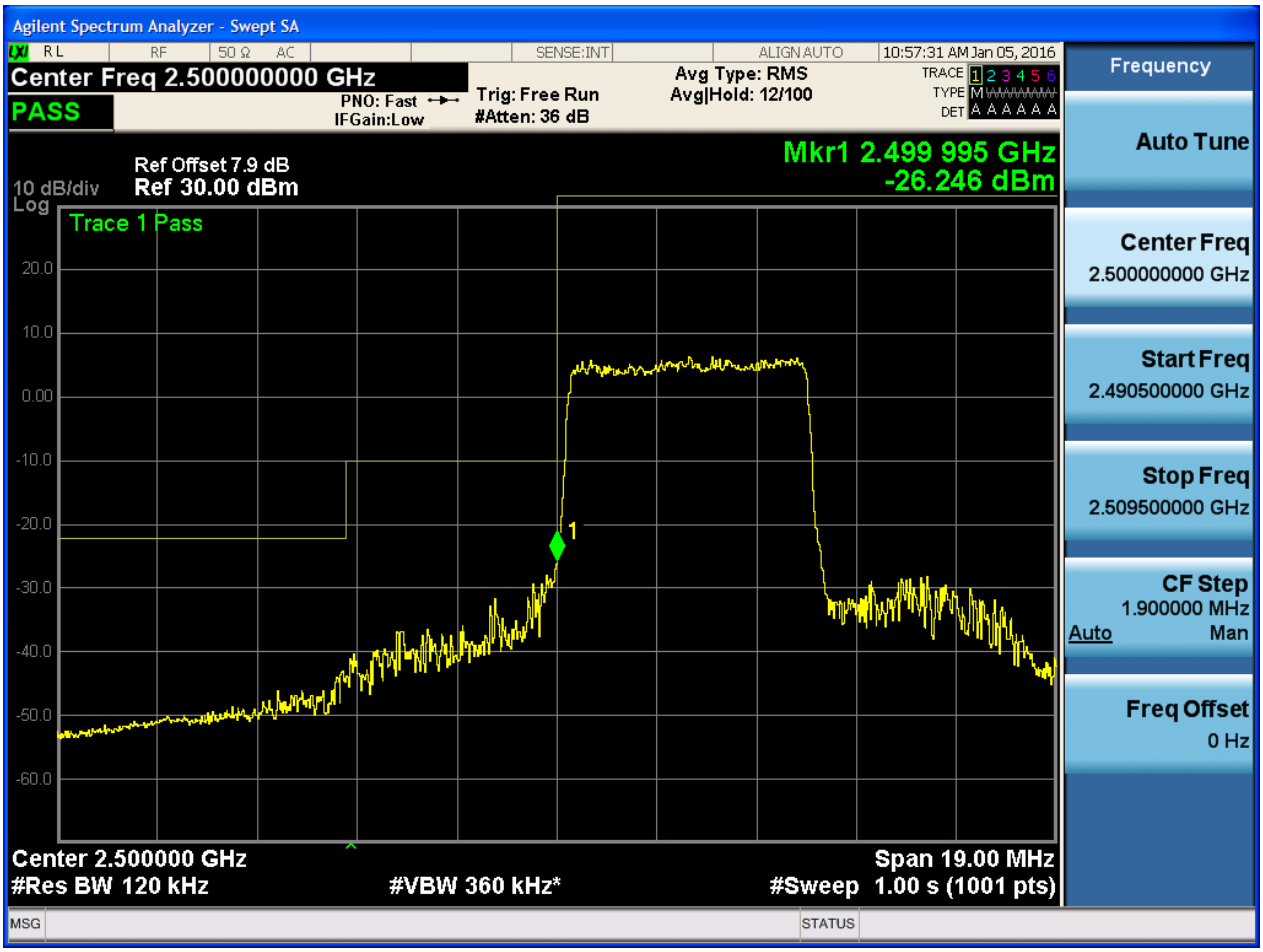


Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.1.1.3 Test RB = RB12#6



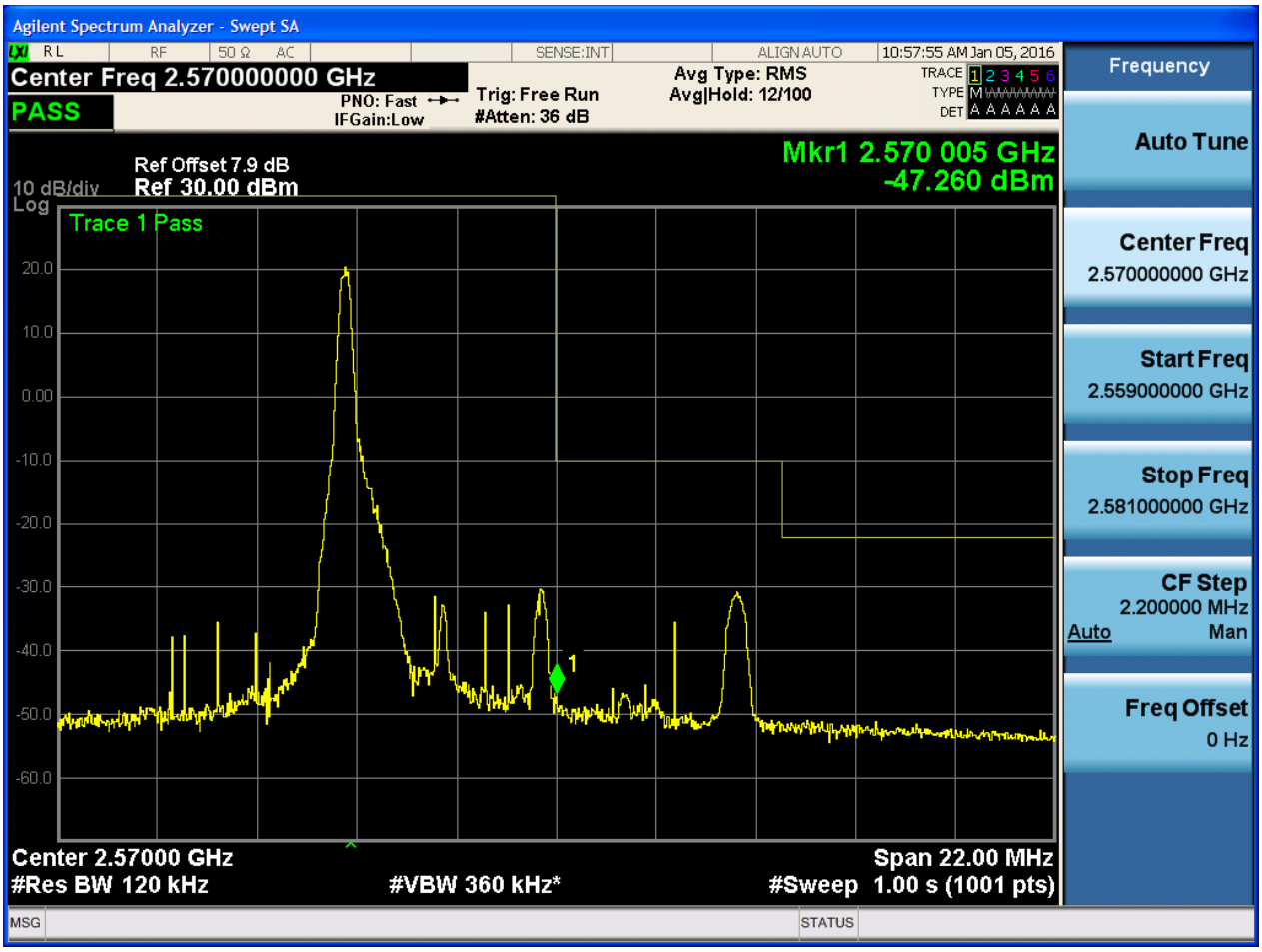
5.1.4.1.1.1.4 Test RB = RB25#0



Copyright © Huawei Technologies Co., Ltd.

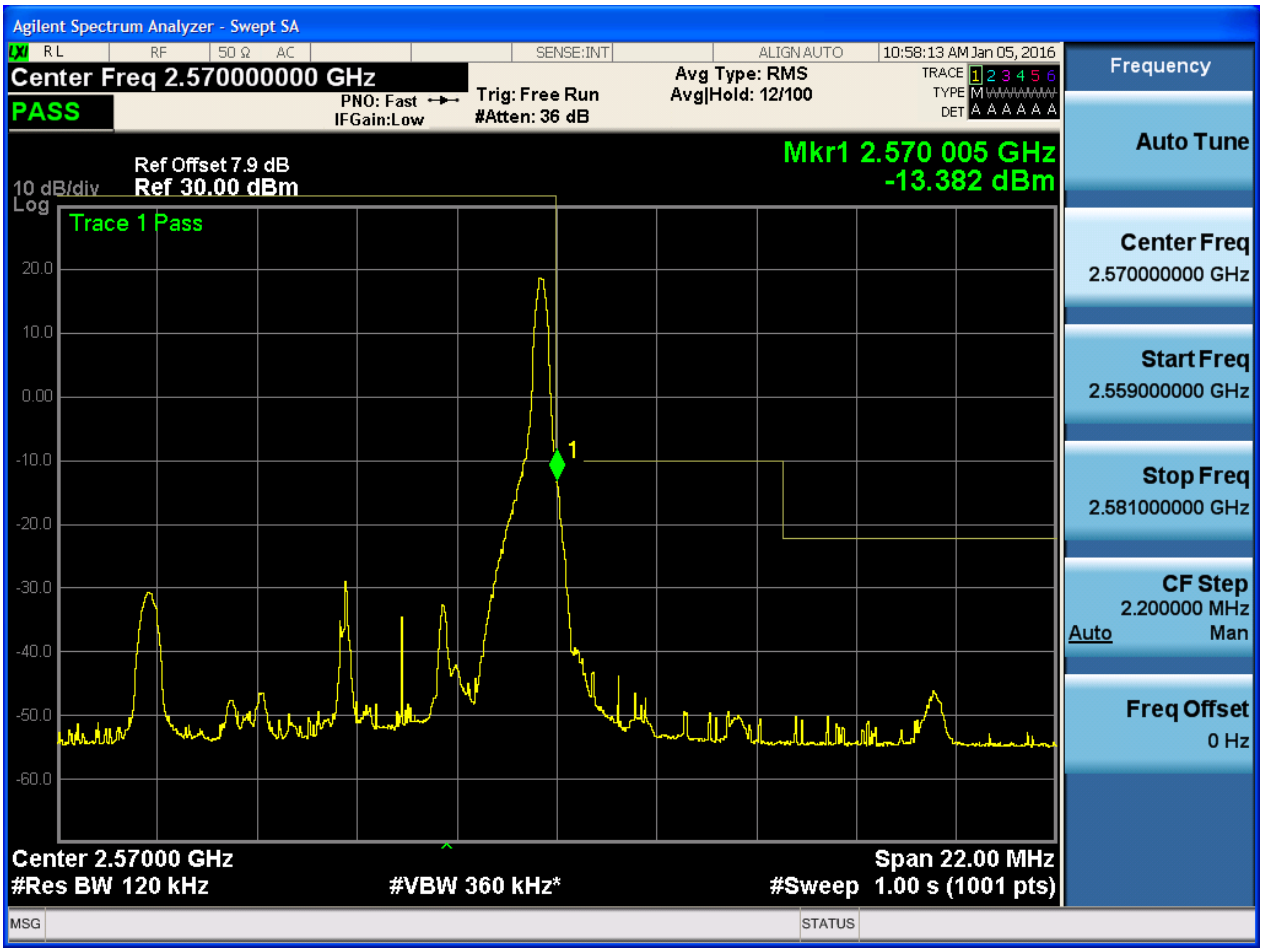
5.1.4.1.1.2 Test Channel = HCH

5.1.4.1.1.2.1 Test RB = RB1#0



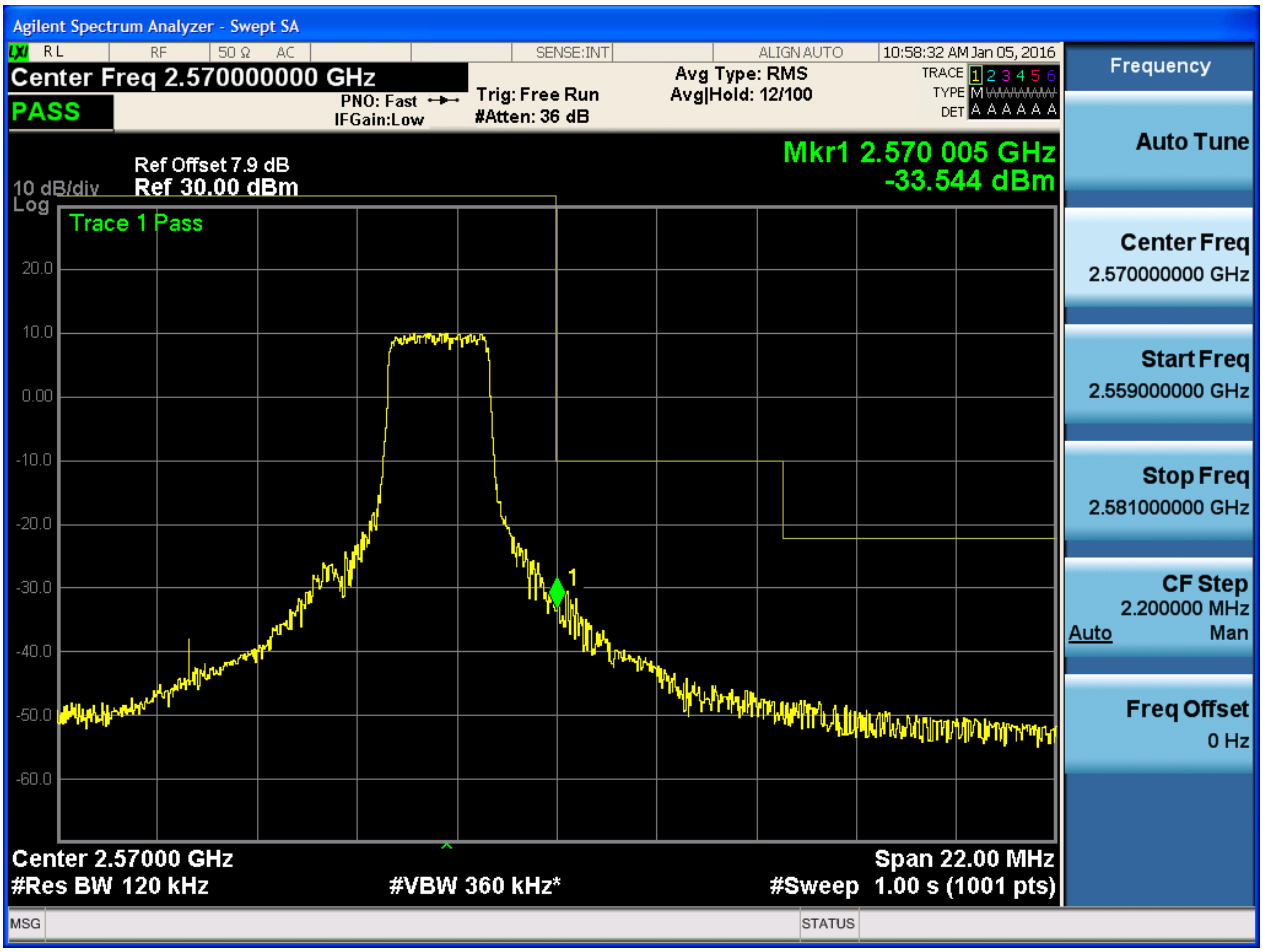
Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.1.2.2 Test RB = RB1#24



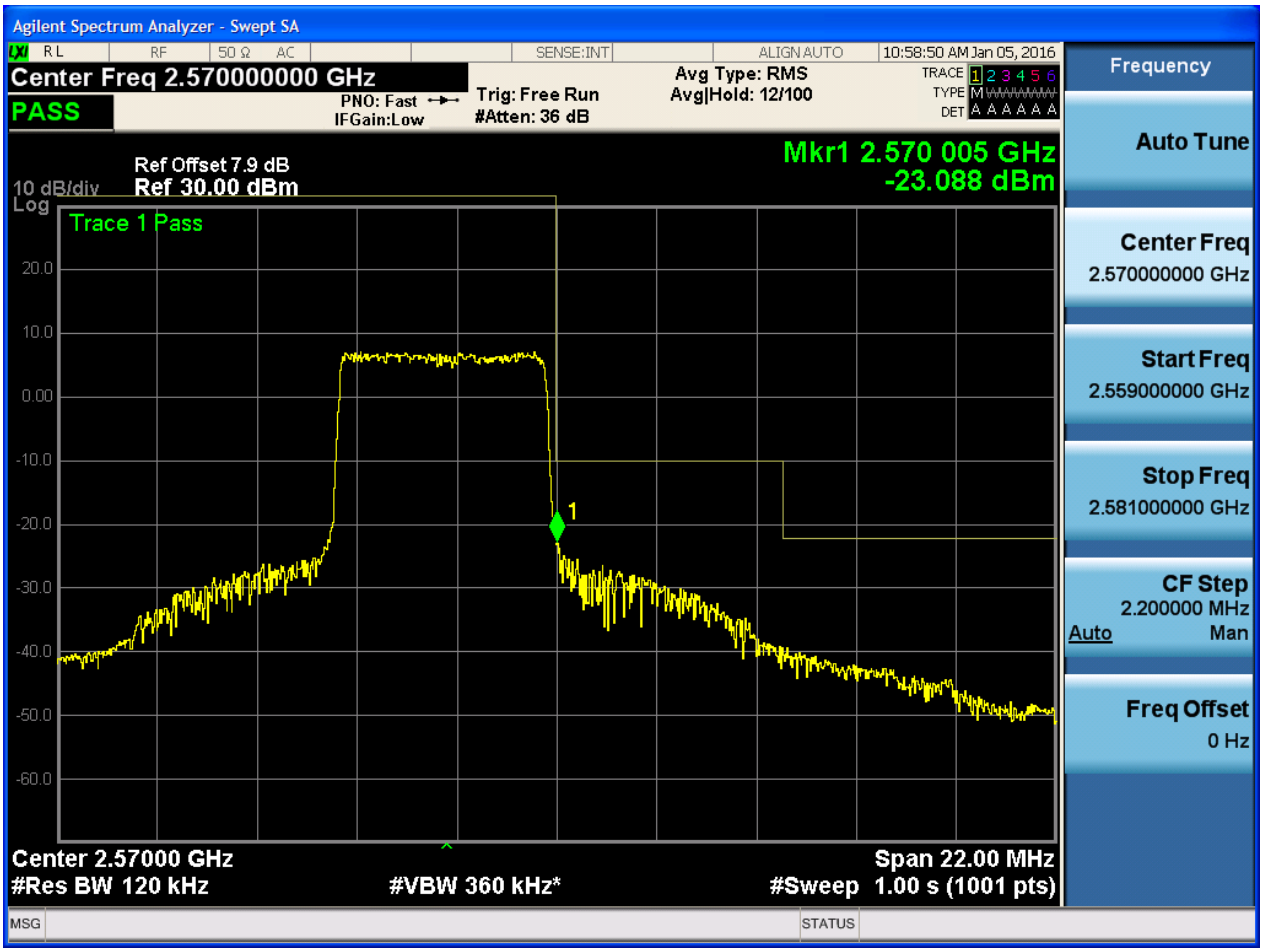
Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.1.2.3 Test RB = RB12#6



Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.1.2.4 Test RB = RB25#0

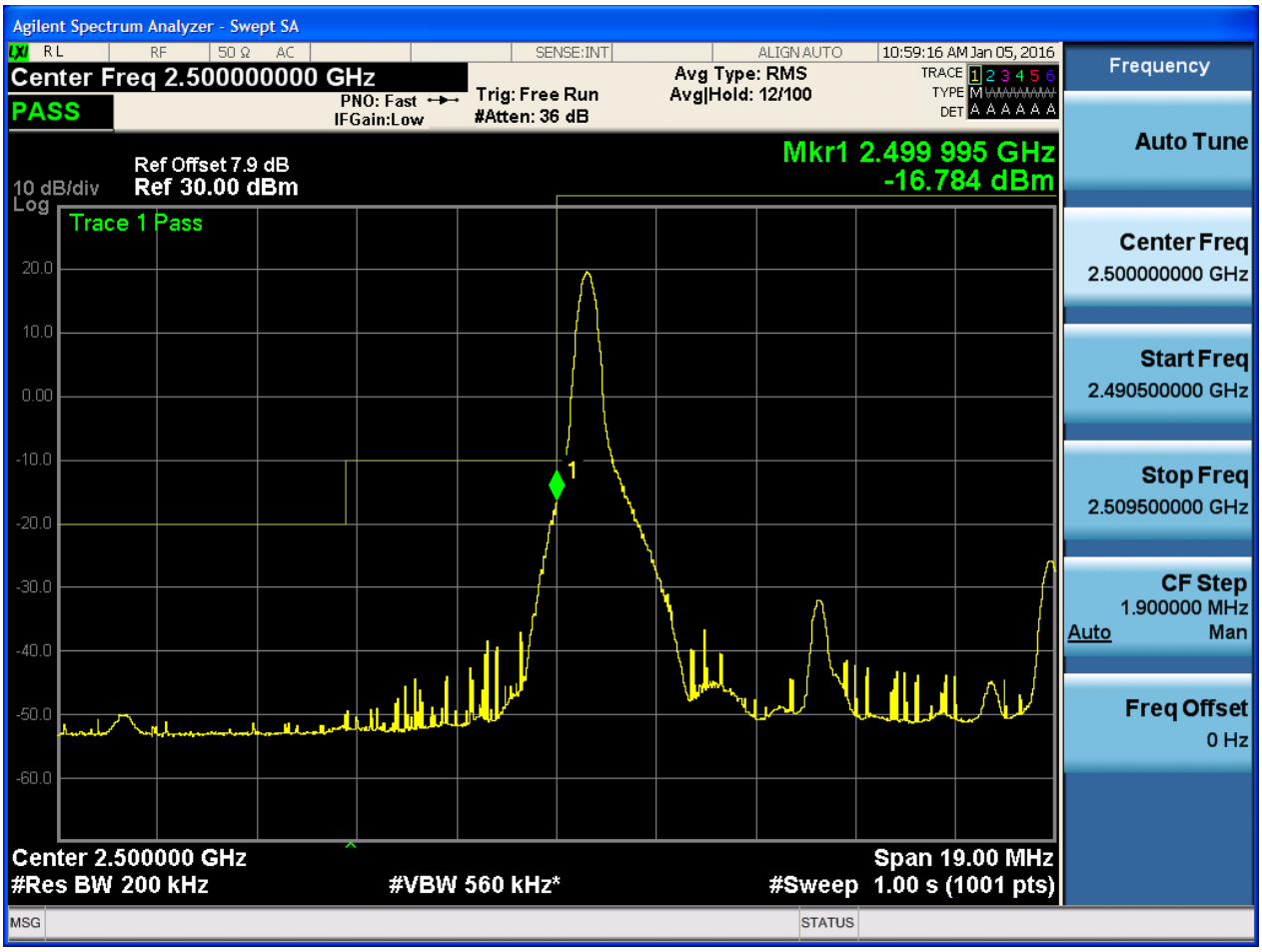


Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.2 Test Bandwidth = 10

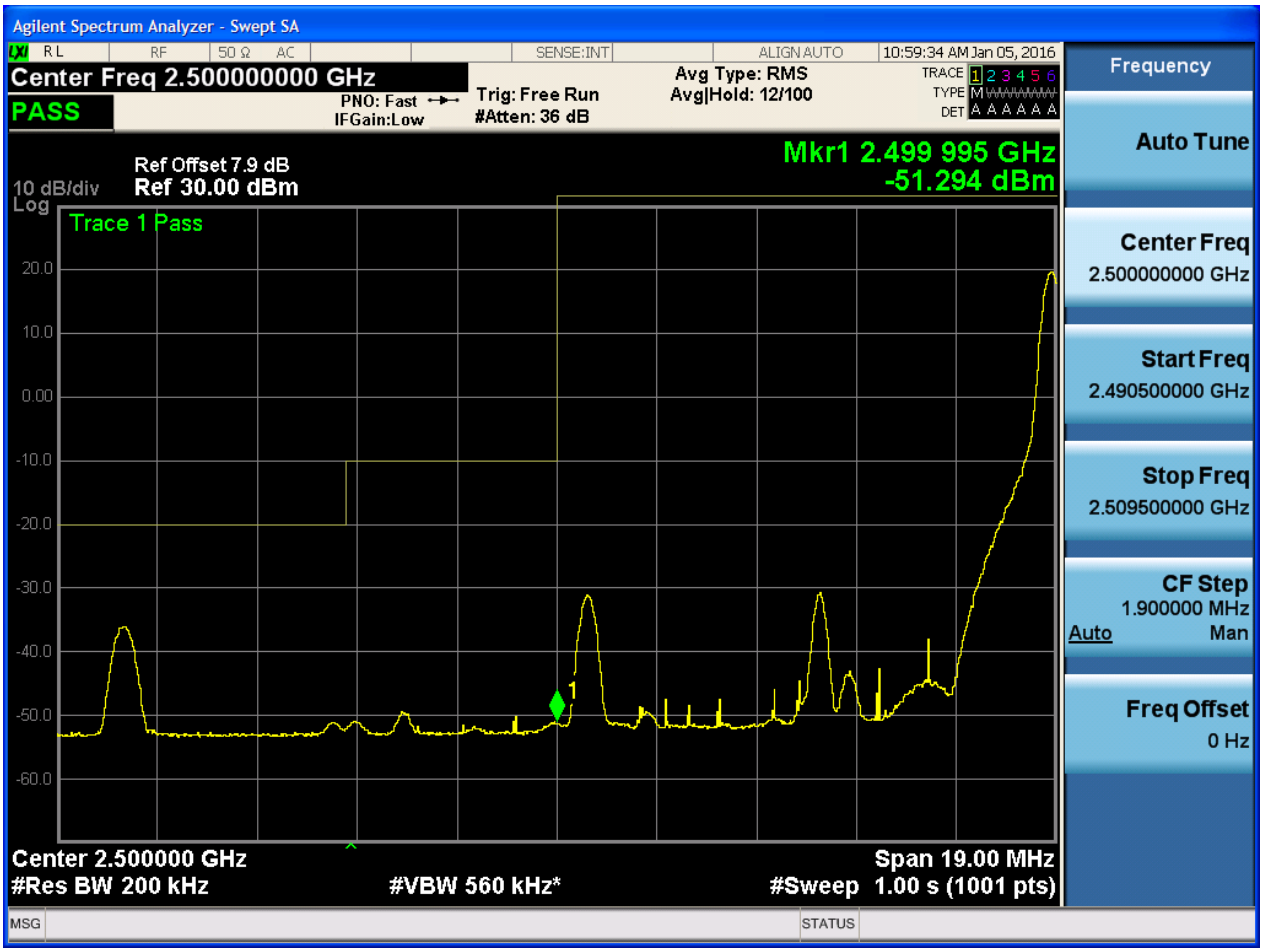
5.1.4.1.2.1 Test Channel = LCH

5.1.4.1.2.1.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.2.1.2 Test RB = RB1#49



Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.2.1.3 Test RB = RB25#13

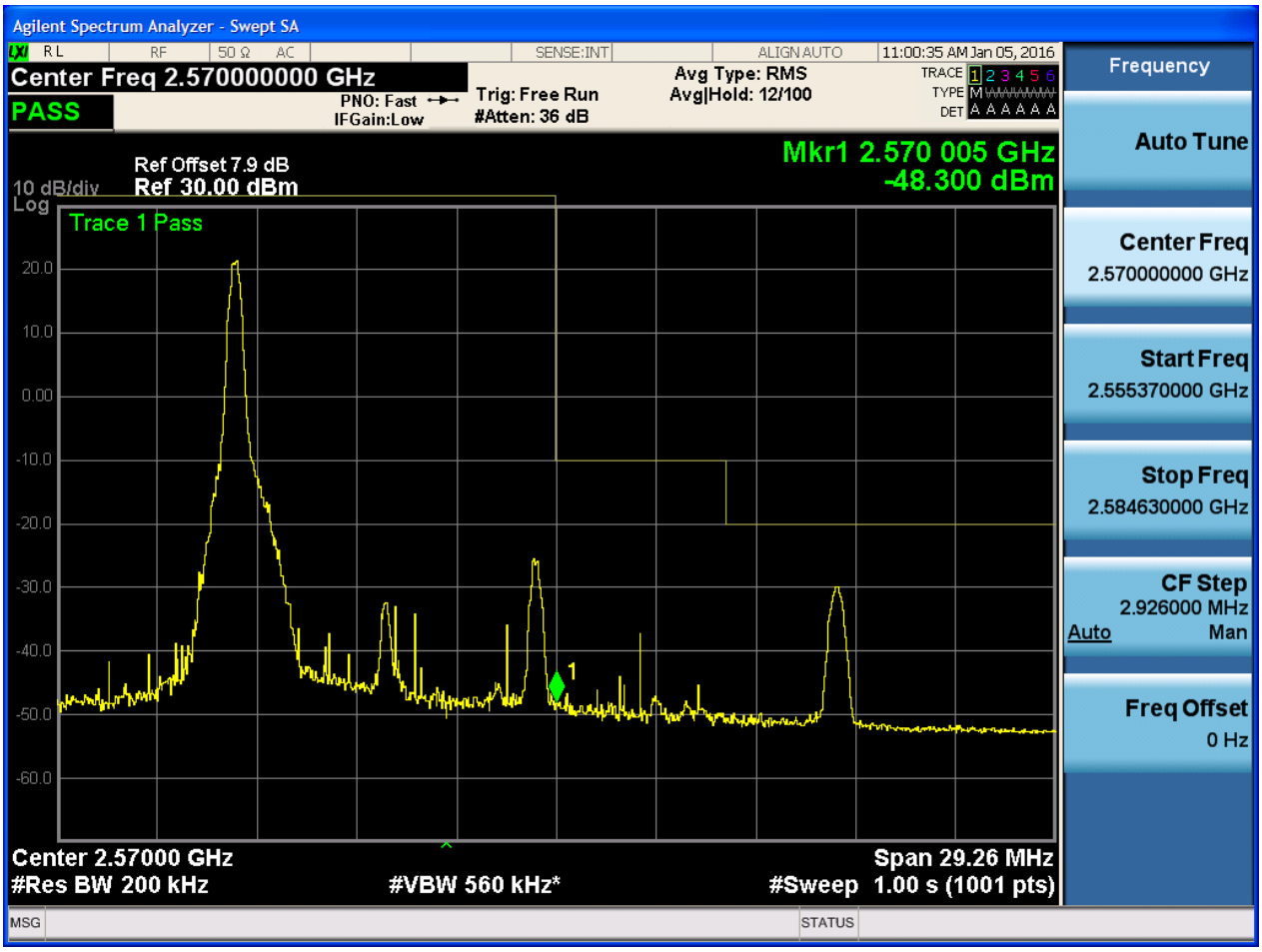
Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.2.1.4 Test RB = RB50#0

Copyright © Huawei Technologies Co., Ltd.

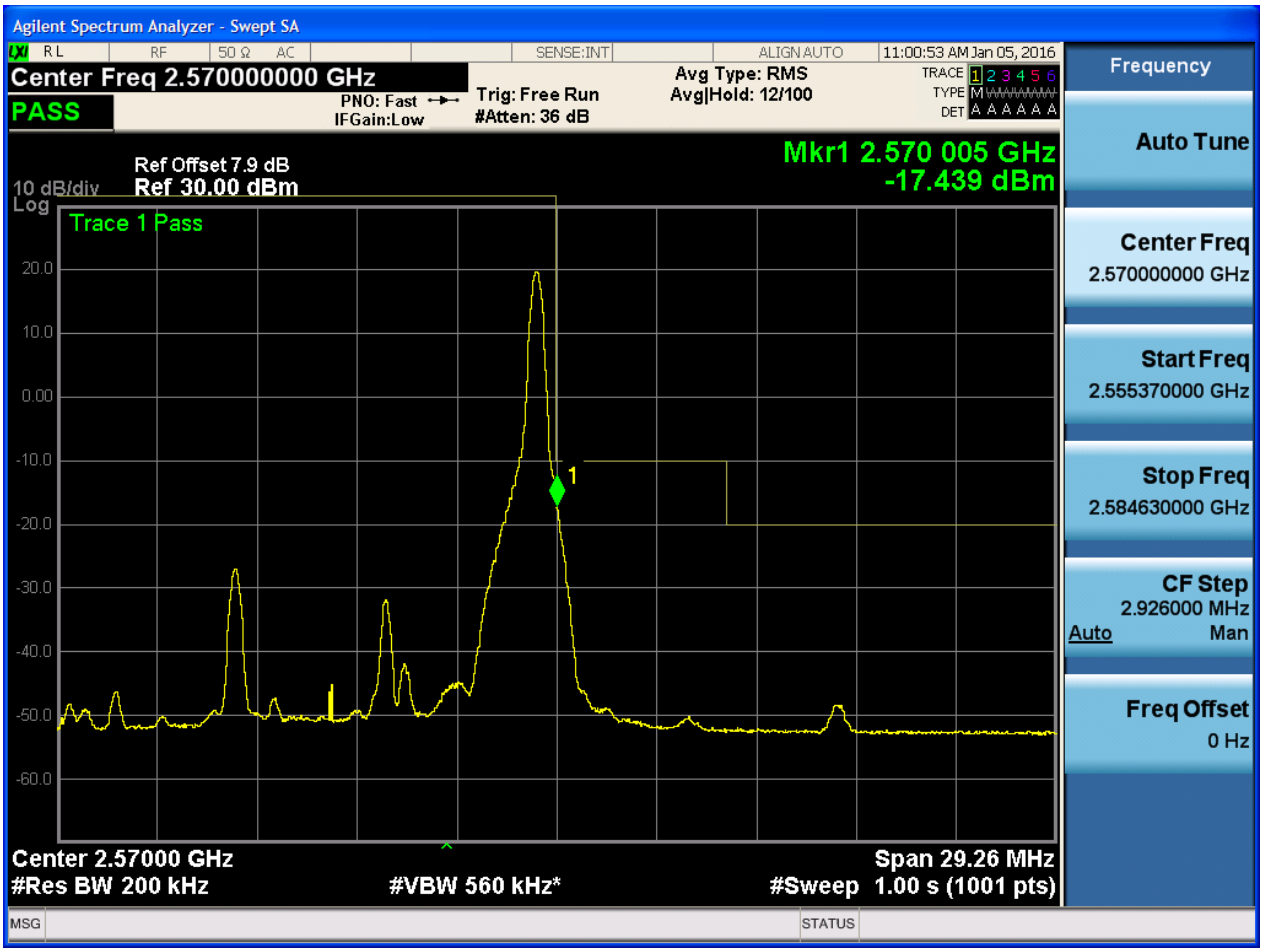
5.1.4.1.2.2 Test Channel = HCH

5.1.4.1.2.2.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

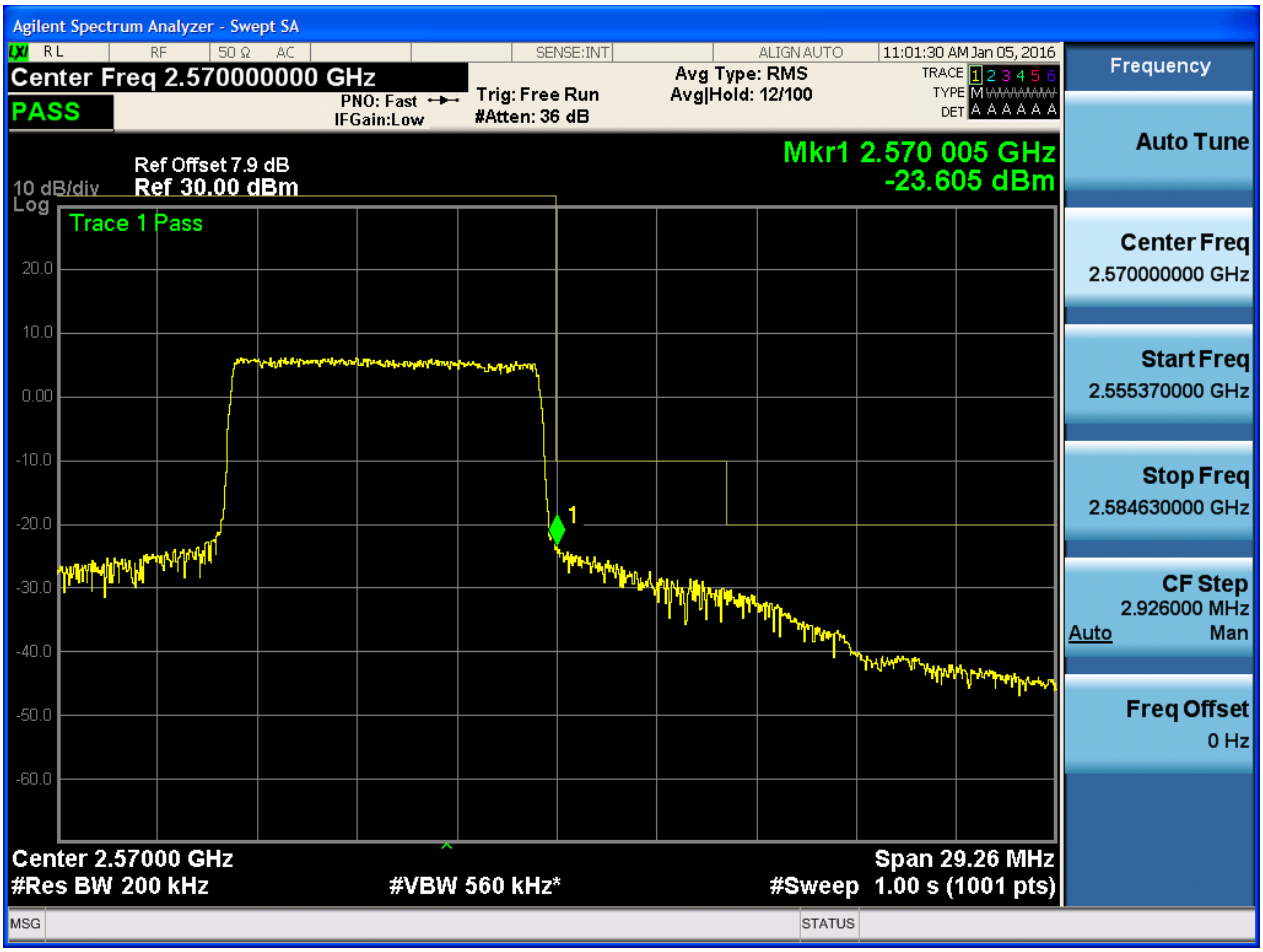
5.1.4.1.2.2.2 Test RB = RB1#49



Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.2.2.3 Test RB = RB25#13

5.1.4.1.2.2.4 Test RB = RB50#0

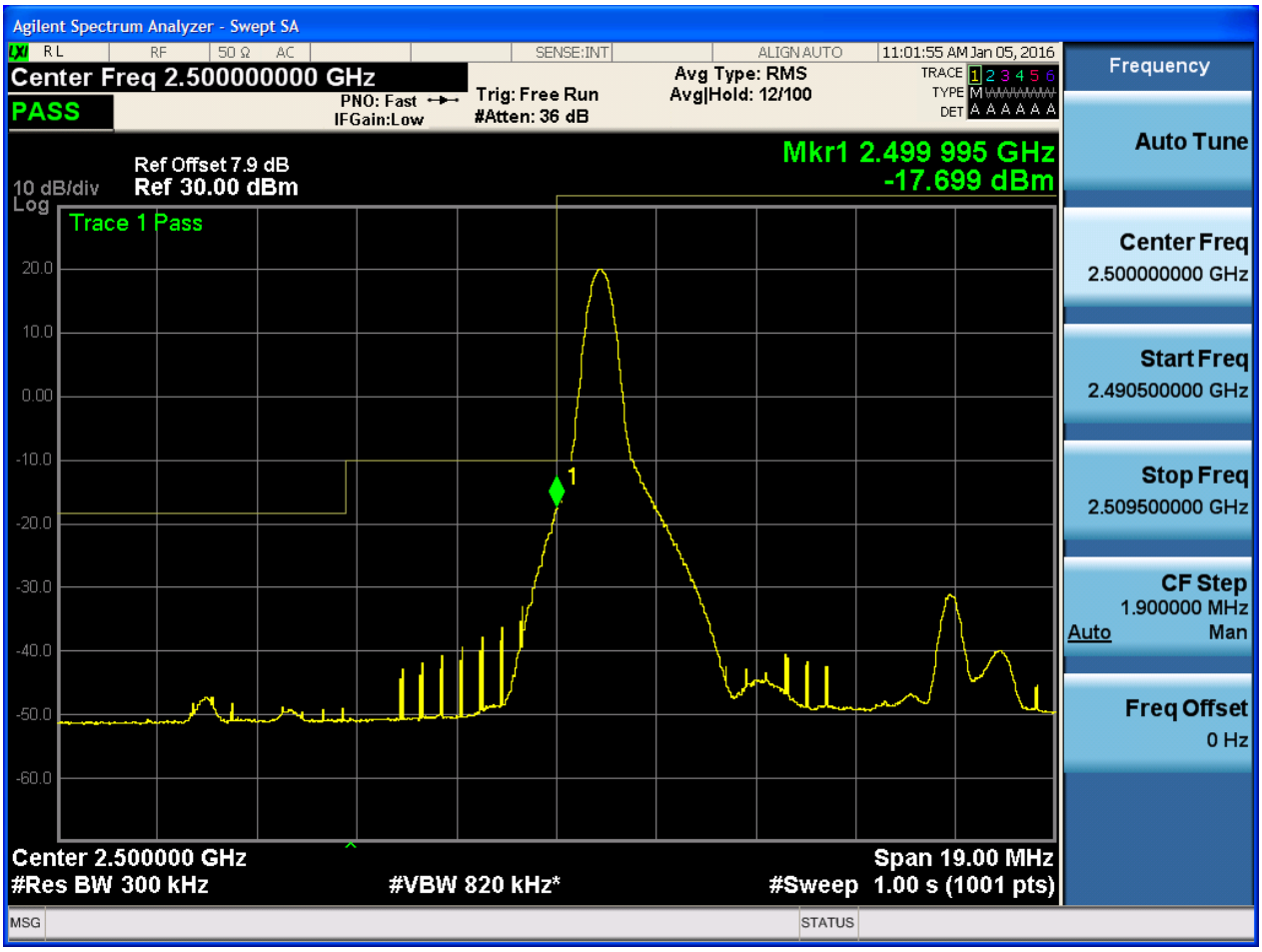


Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.3 Test Bandwidth = 15

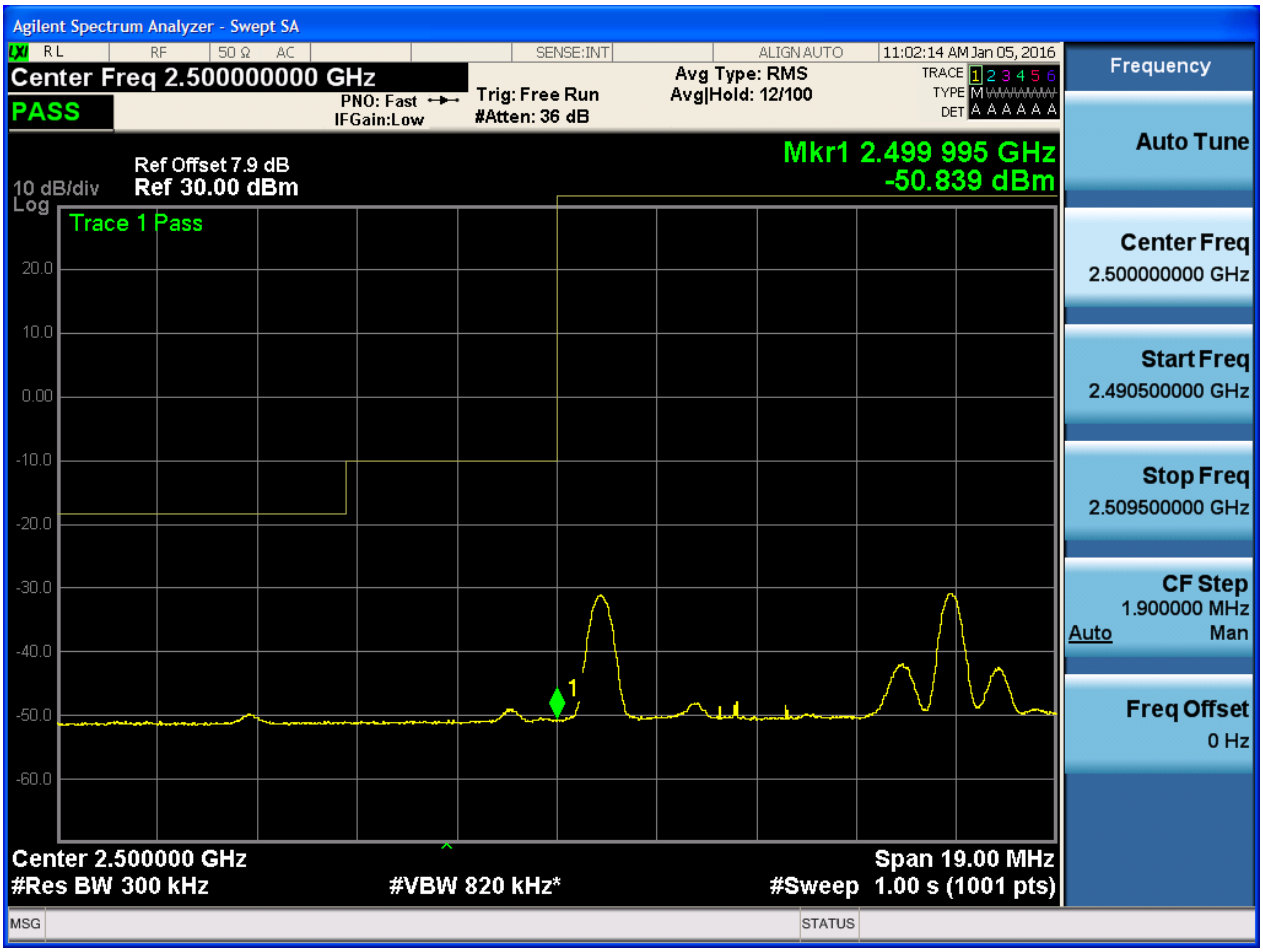
5.1.4.1.3.1 Test Channel = LCH

5.1.4.1.3.1.1 Test RB = RB1#0



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.3.1.2 Test RB = RB1#74



Copyright © Huawei Technologies Co., Ltd.

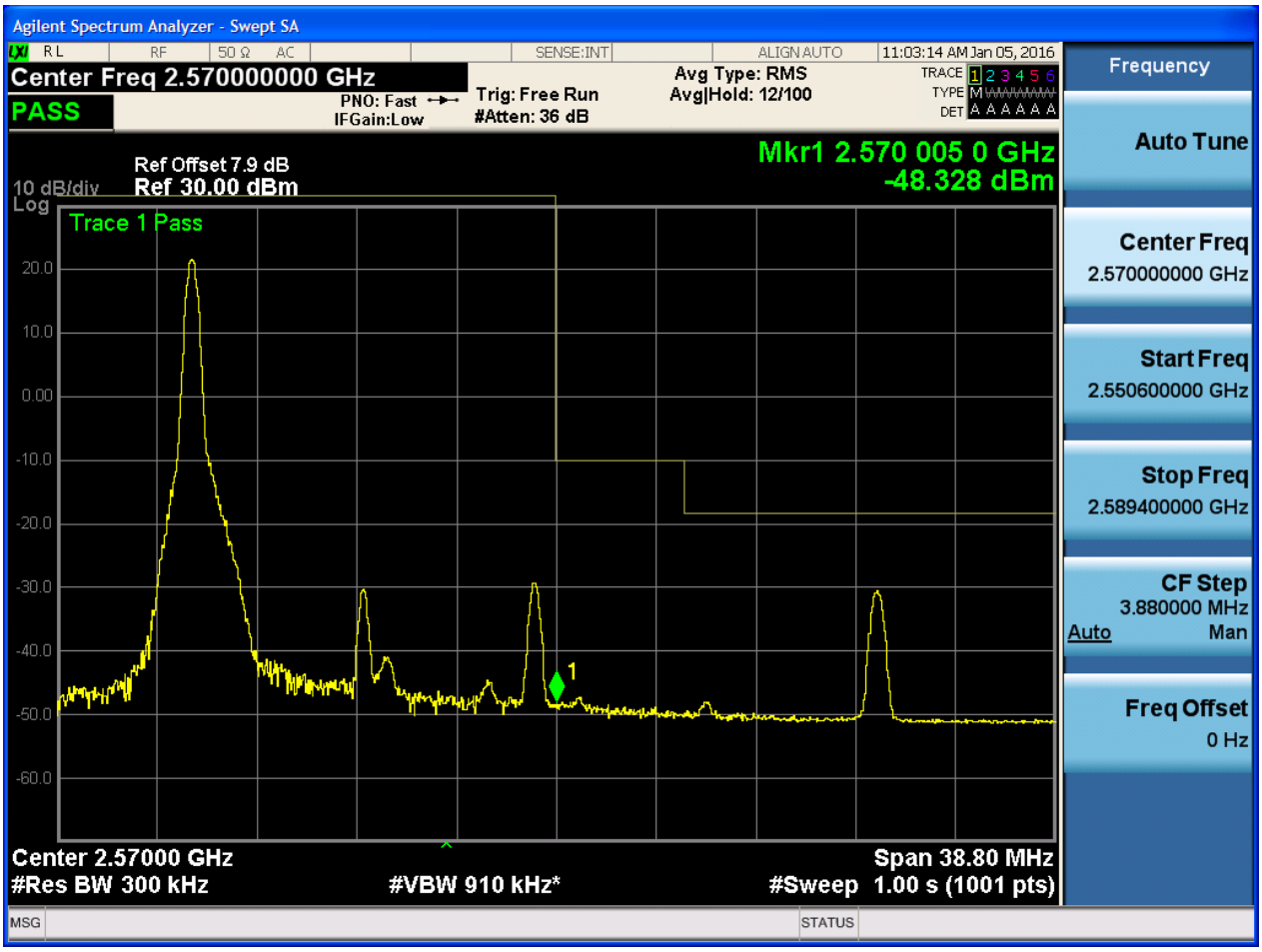
5.1.4.1.3.1.3 Test RB = RB36#18

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.3.1.4 Test RB = RB75#0

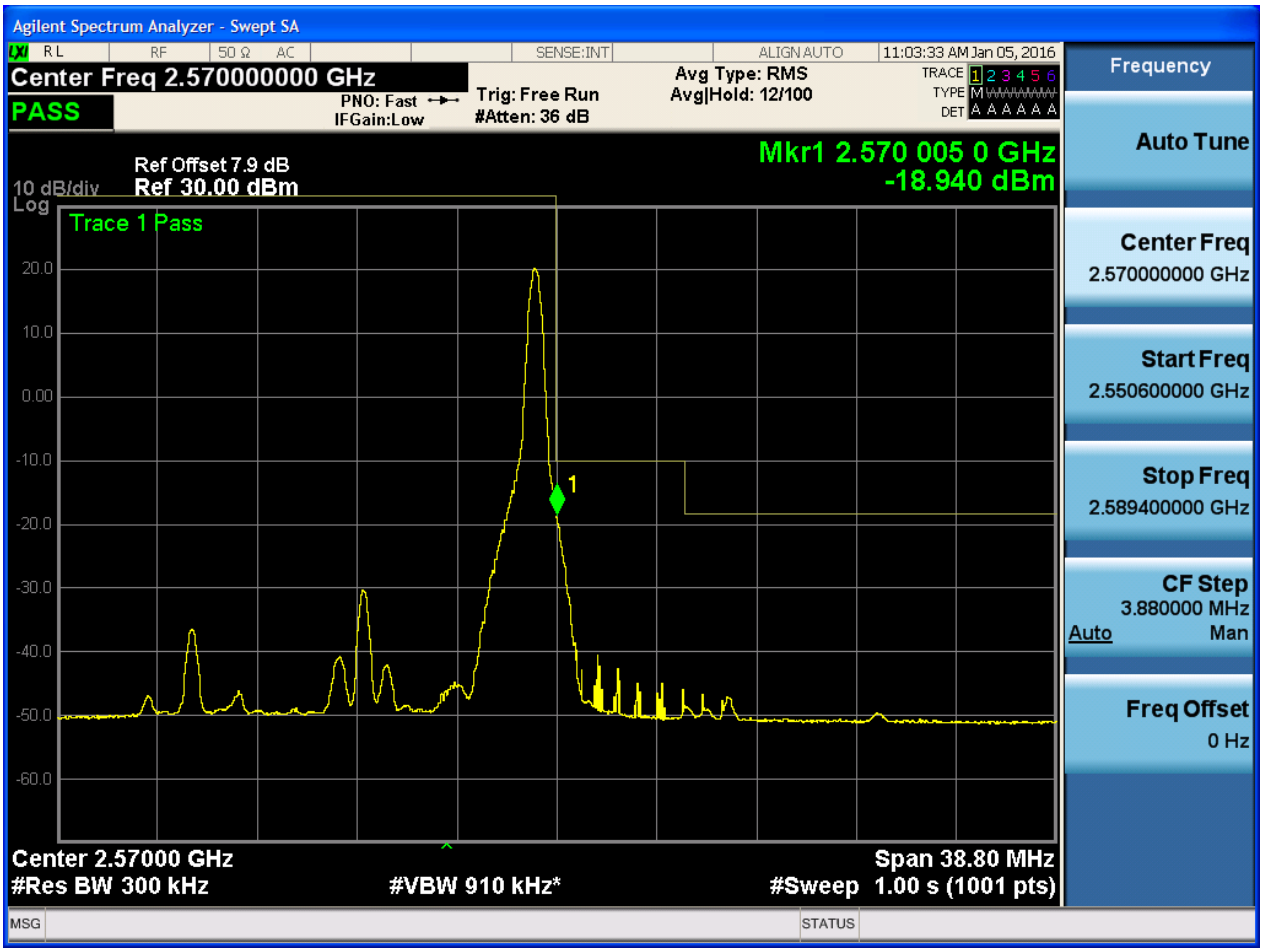
5.1.4.1.3.2 Test Channel = HCH

5.1.4.1.3.2.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.3.2.2 Test RB = RB1#74



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.3.2.3 Test RB = RB36#18

Copyright © Huawei Technologies Co., Ltd.

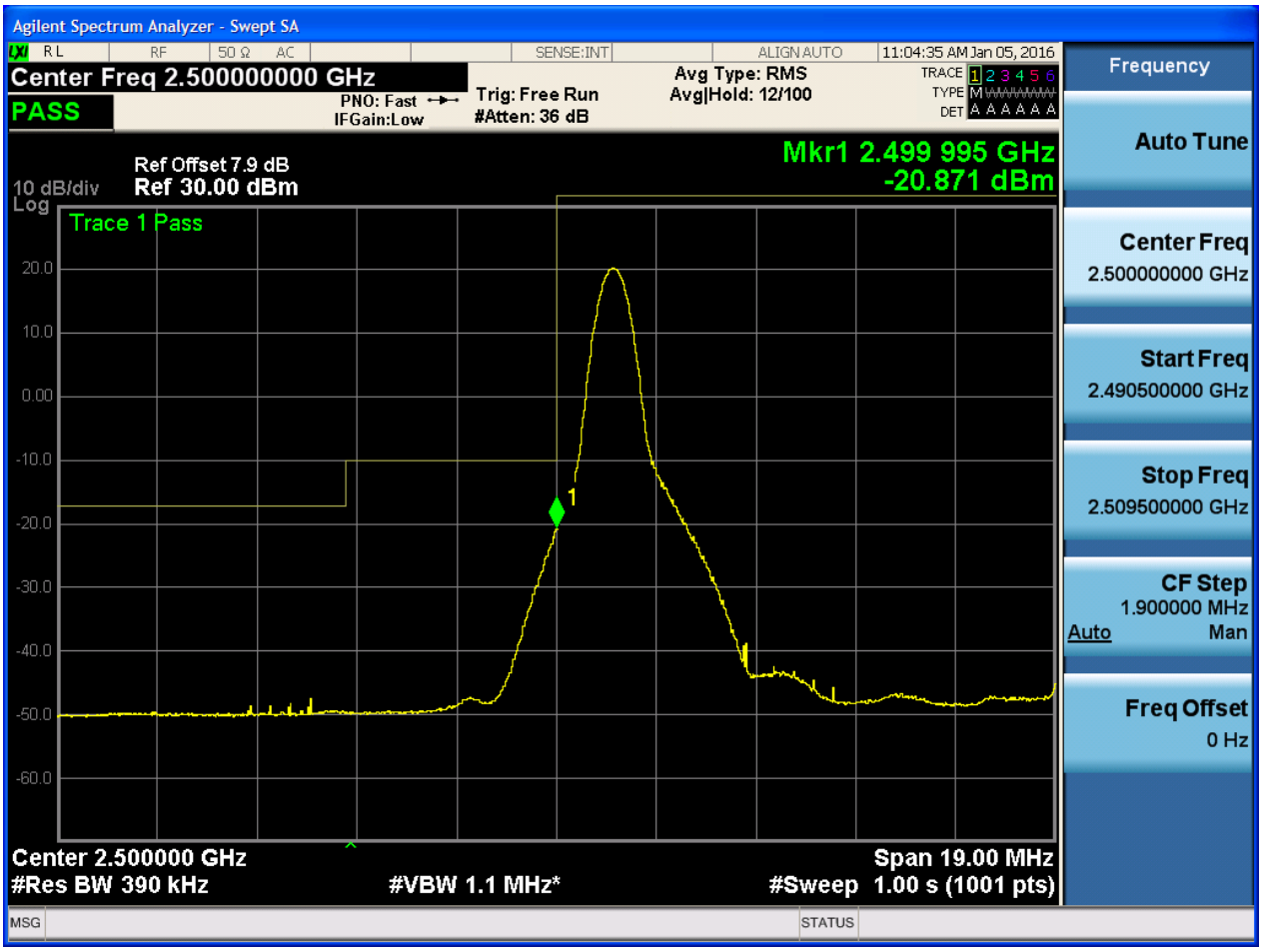
5.1.4.1.3.2.4 Test RB = RB75#0

Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.4 Test Bandwidth = 20

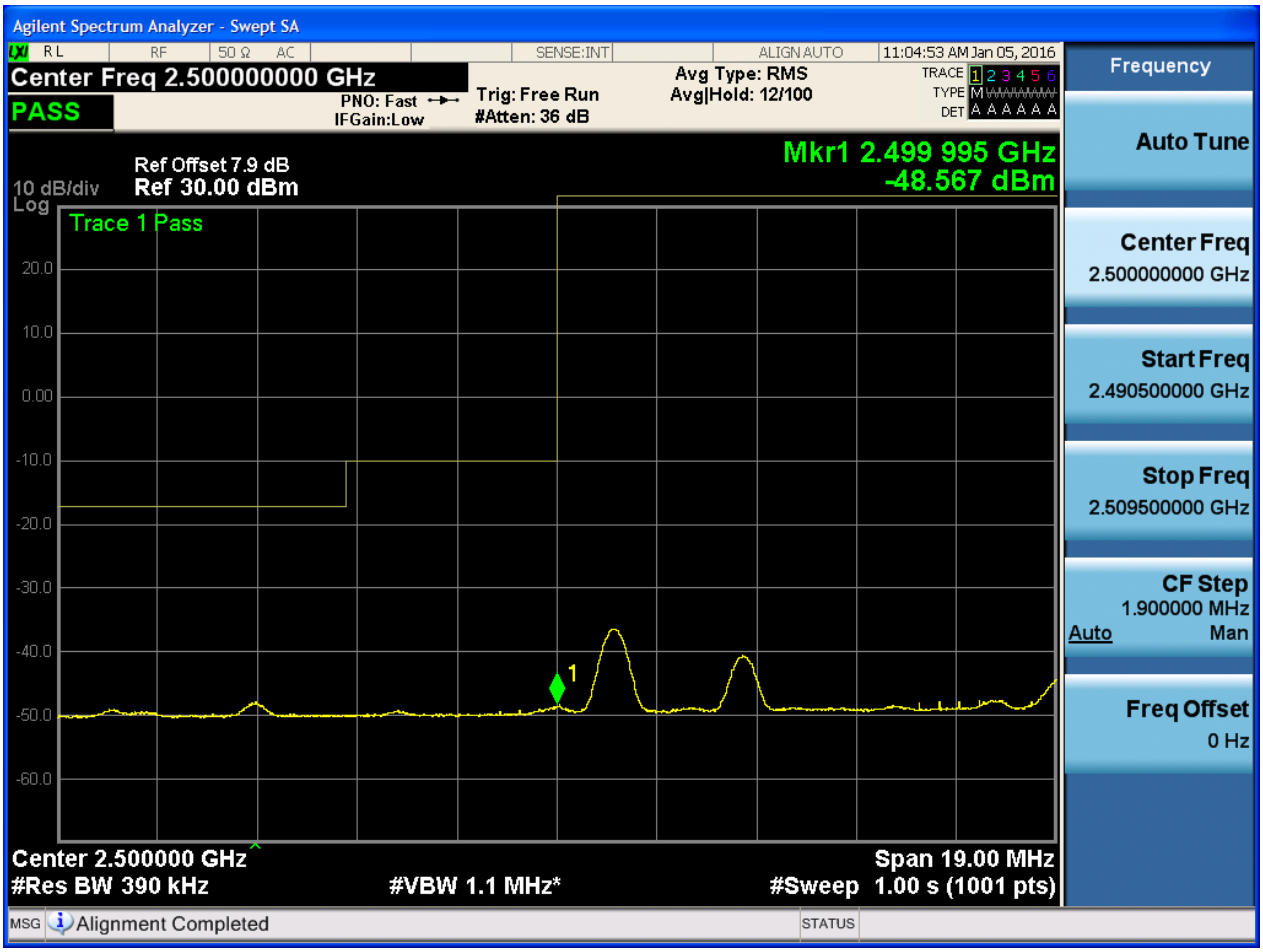
5.1.4.1.4.1 Test Channel = LCH

5.1.4.1.4.1.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

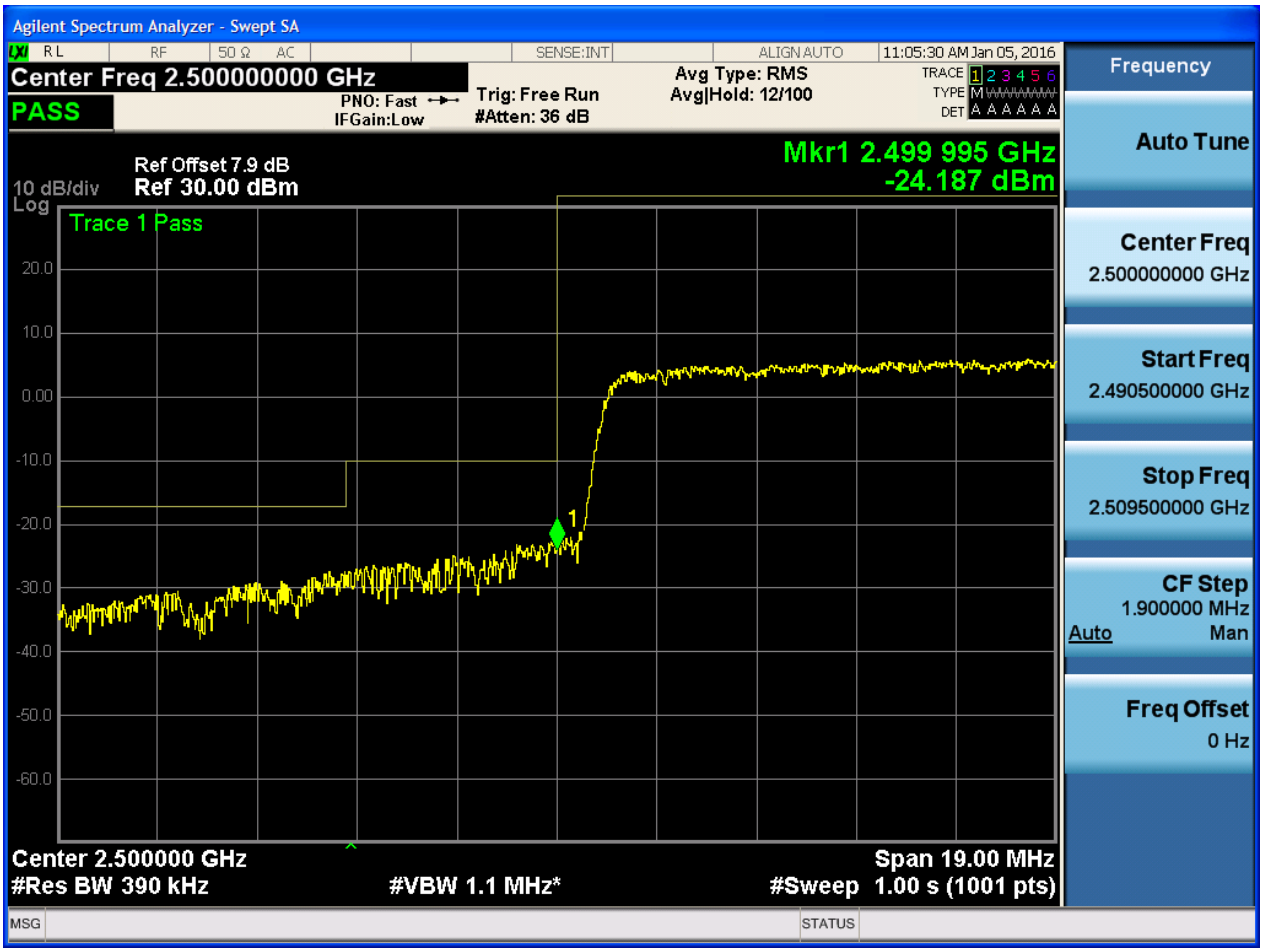
5.1.4.1.4.1.2 Test RB = RB1#99



Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.4.1.3 Test RB = RB50#25

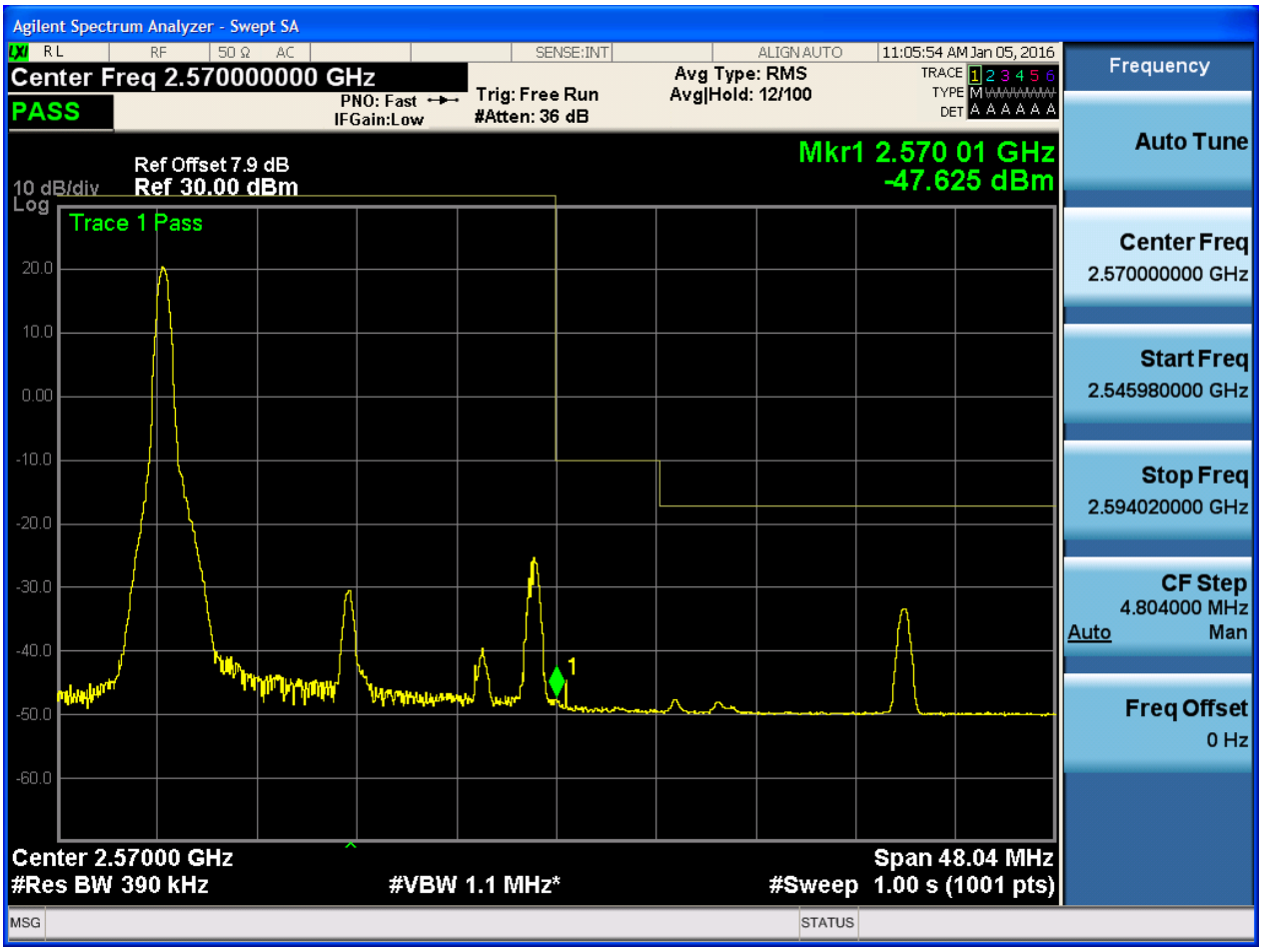
5.1.4.1.4.1.4 Test RB = RB100#0



Copyright © Huawei Technologies Co., Ltd.

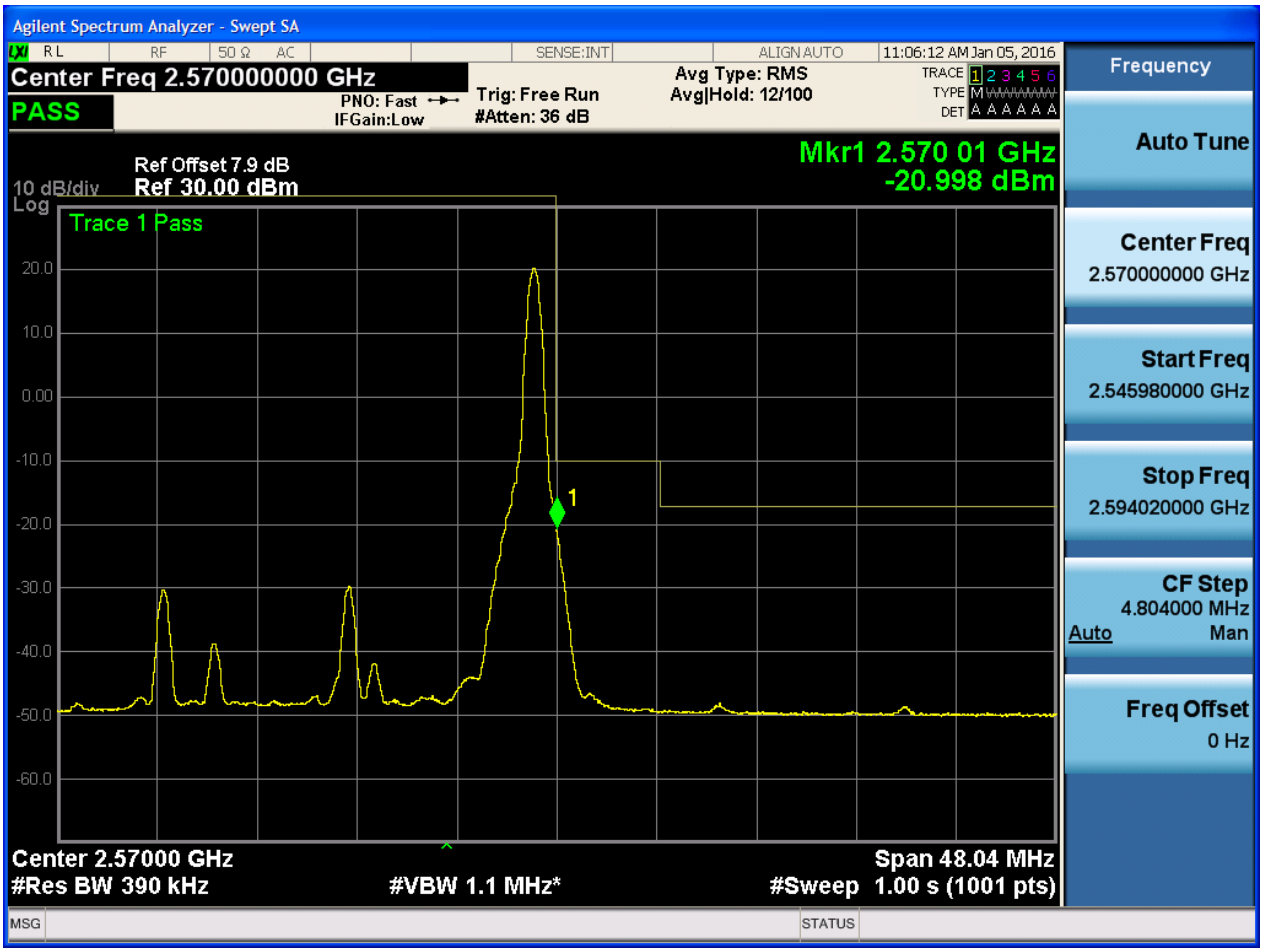
5.1.4.1.4.2 Test Channel = HCH

5.1.4.1.4.2.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.4.2.2 Test RB = RB1#99



Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.4.2.3 Test RB = RB50#25

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.1.4.2.4 Test RB = RB100#0

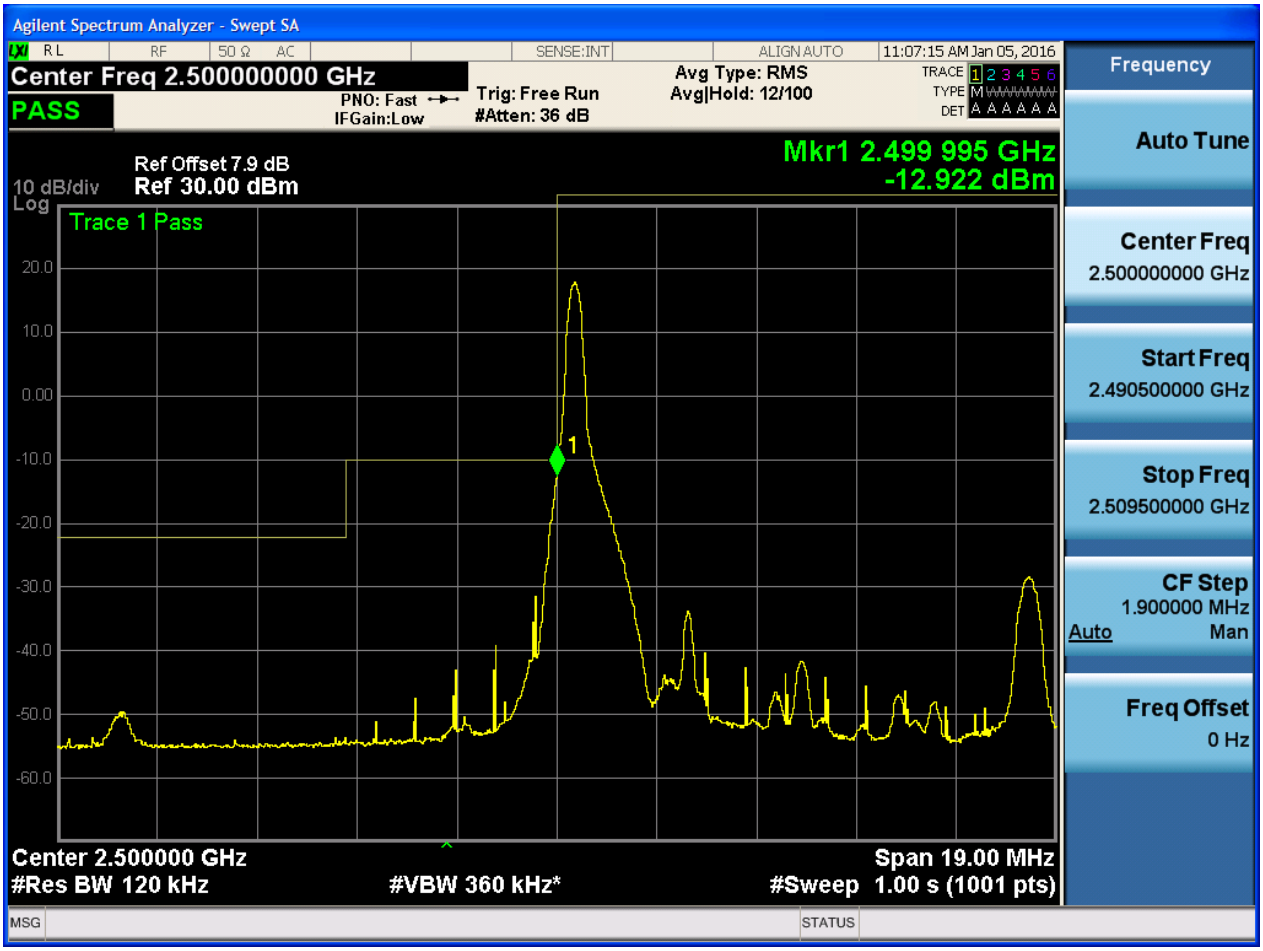
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2 Test Mode = LTE/TM2

5.1.4.2.1 Test Bandwidth = 5

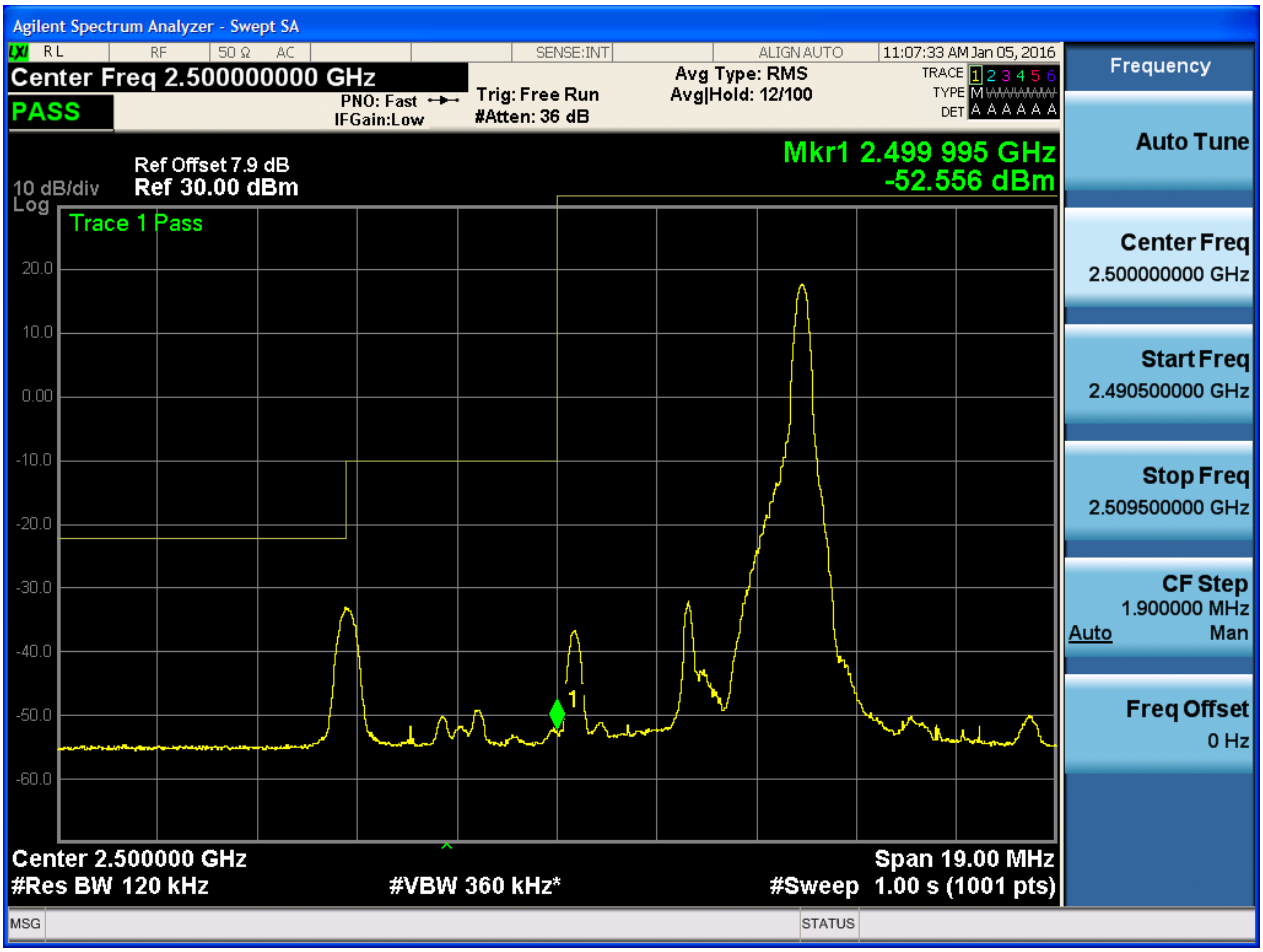
5.1.4.2.1.1 Test Channel = LCH

5.1.4.2.1.1.1 Test RB = RB1#0



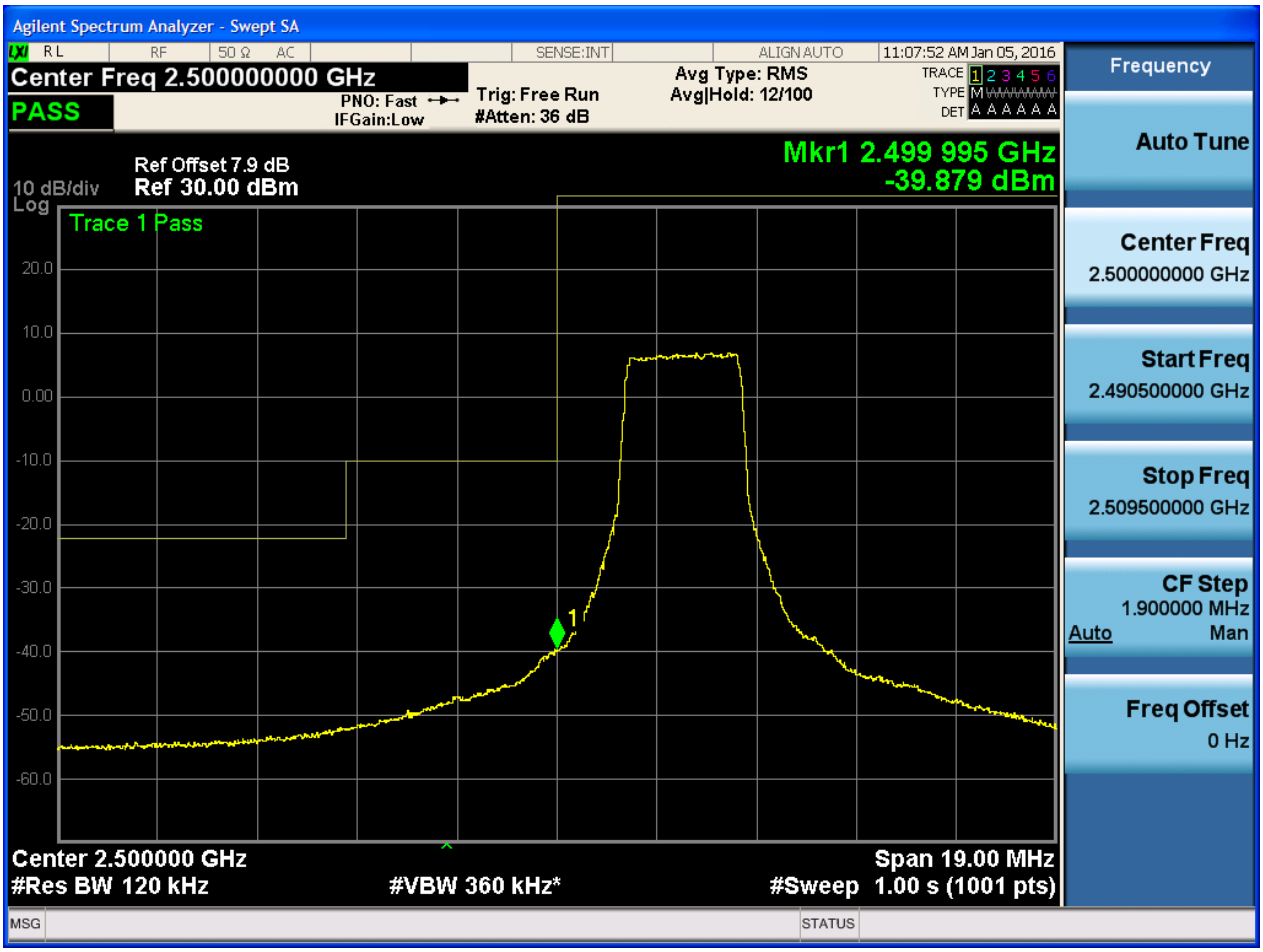
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.1.1.2 Test RB = RB1#24



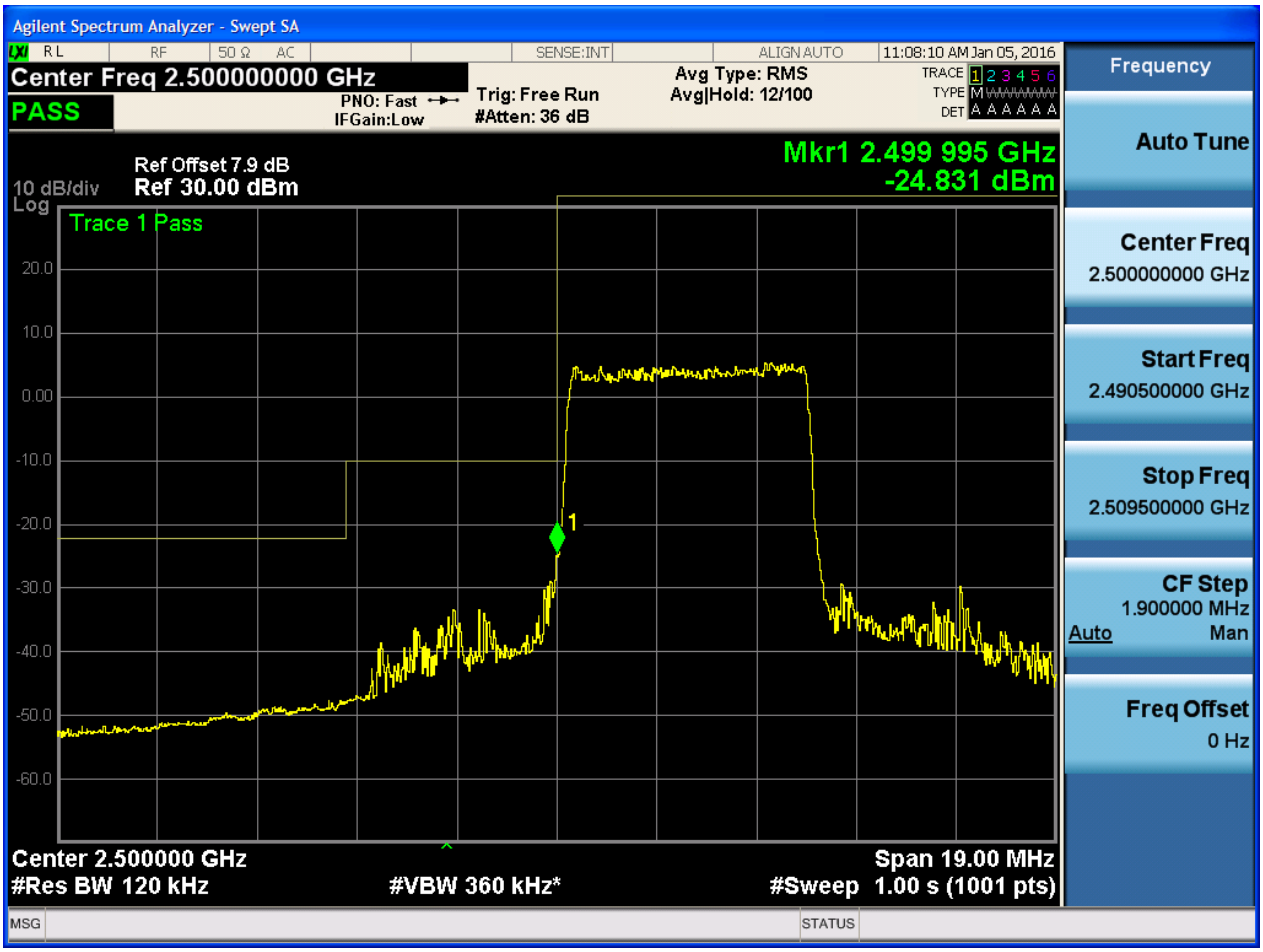
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.1.1.3 Test RB = RB12#6



Copyright © Huawei Technologies Co., Ltd.

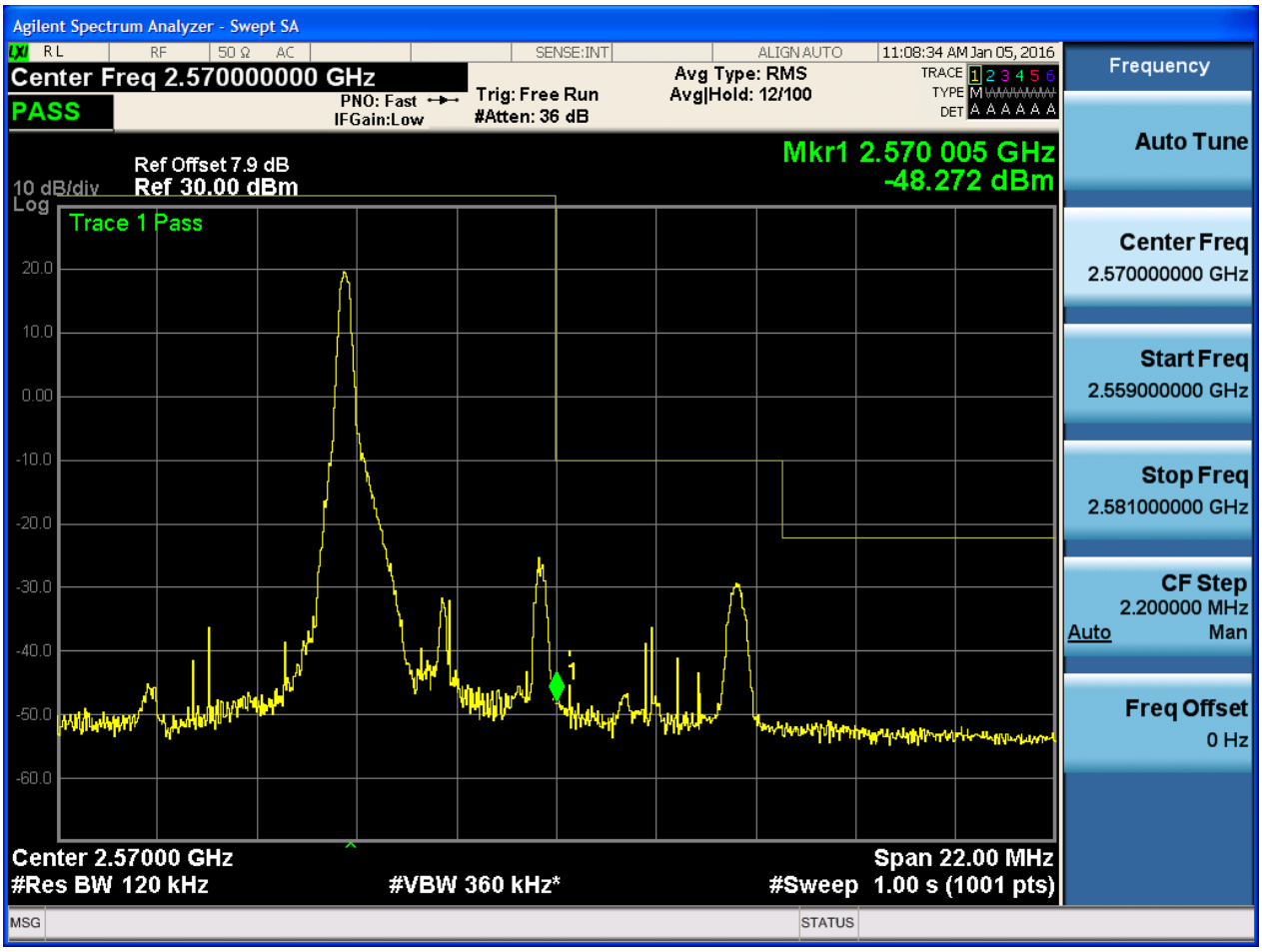
5.1.4.2.1.1.4 Test RB = RB25#0



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

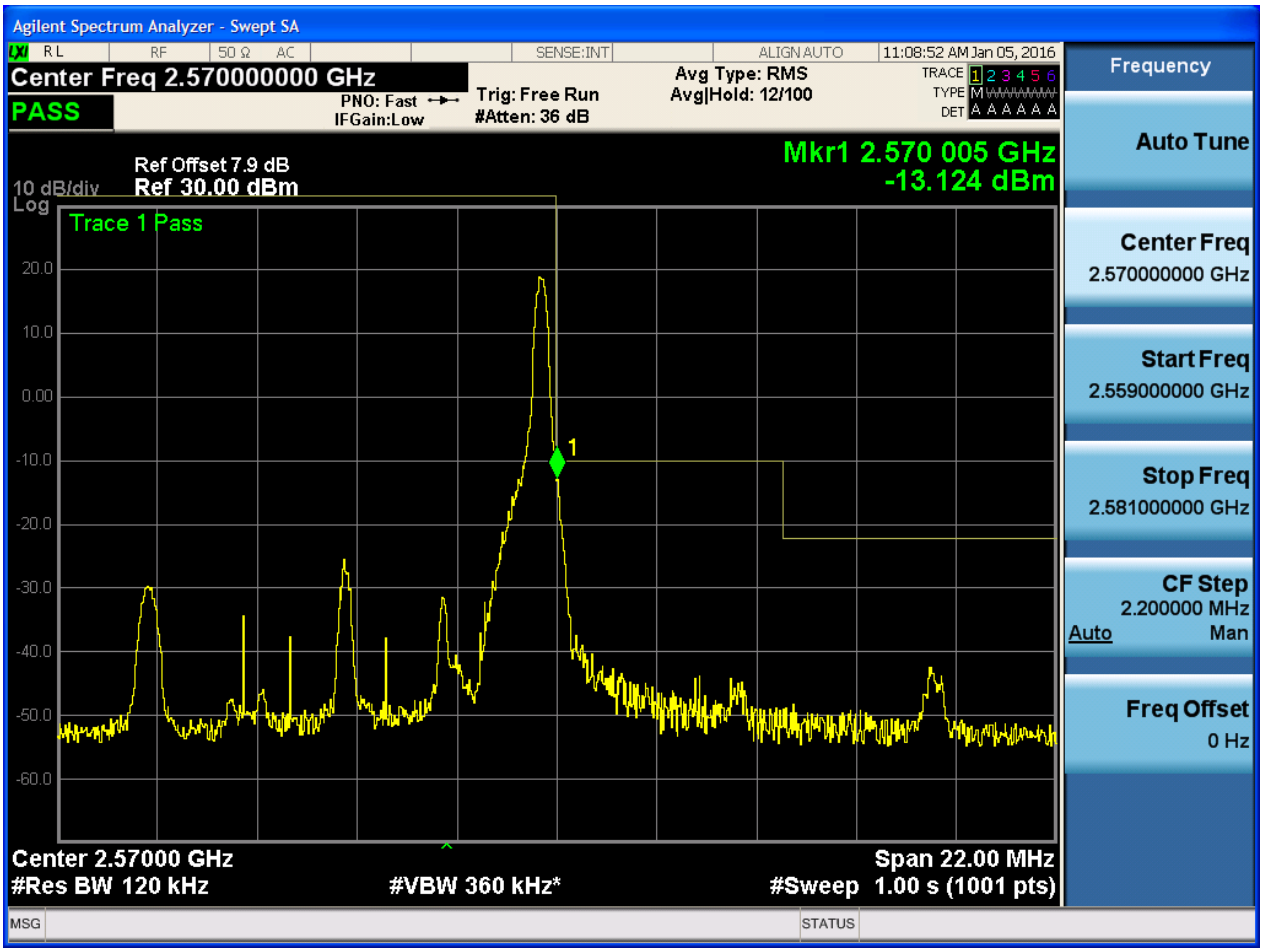
5.1.4.2.1.2 Test Channel = HCH

5.1.4.2.1.2.1 Test RB = RB1#0



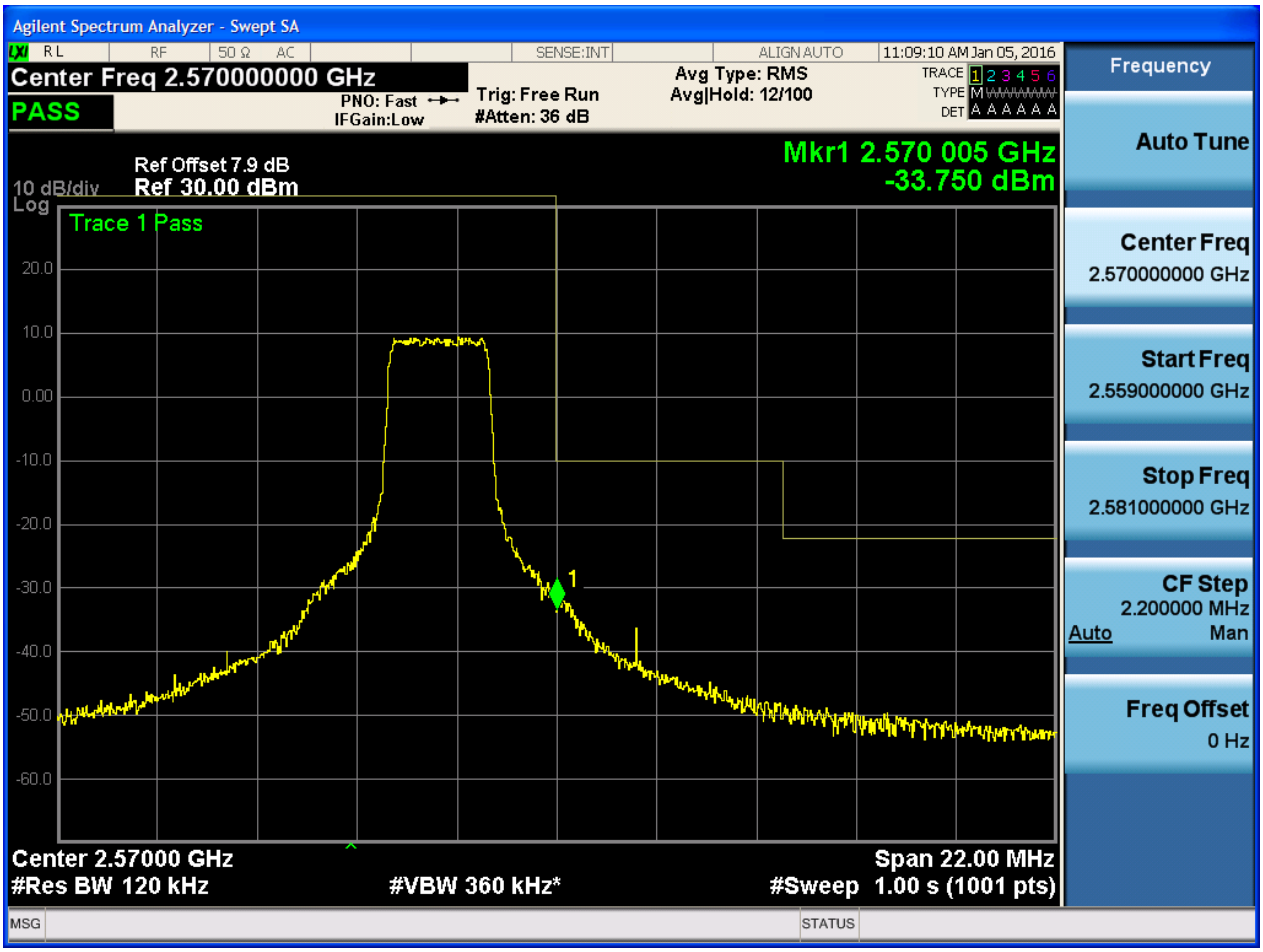
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.1.2.2 Test RB = RB1#24



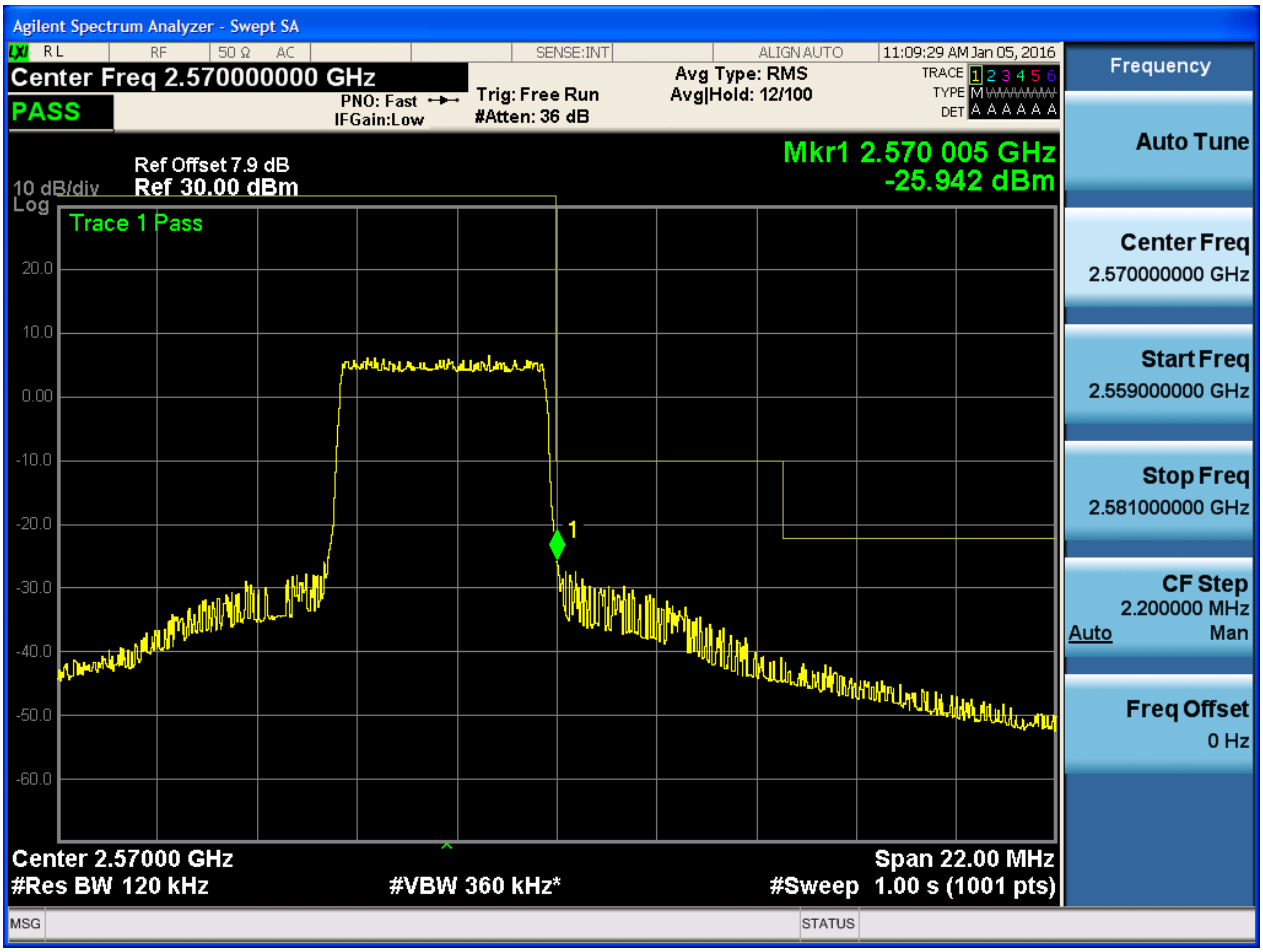
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.1.2.3 Test RB = RB12#6



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.1.2.4 Test RB = RB25#0

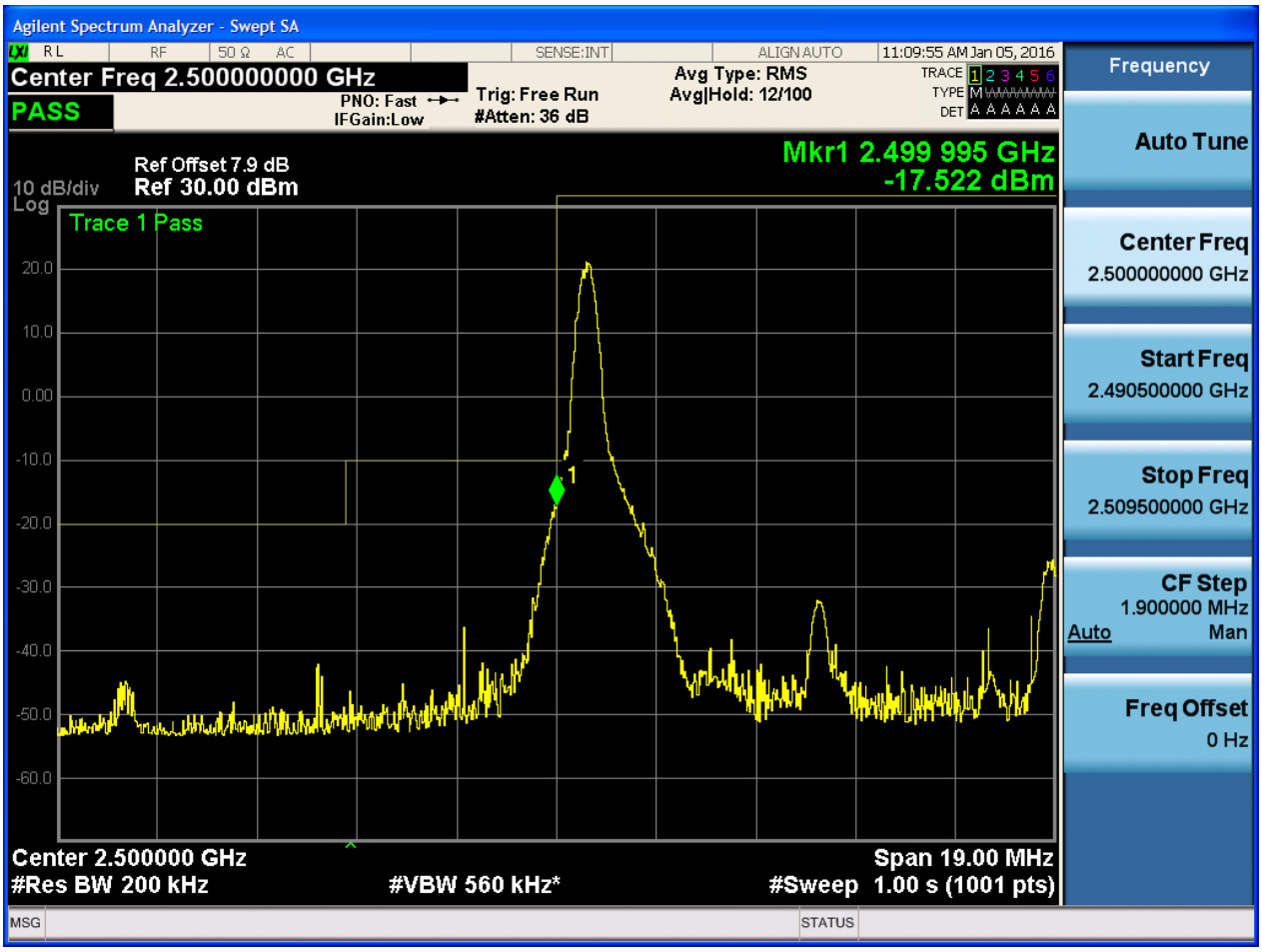


Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.2 Test Bandwidth = 10

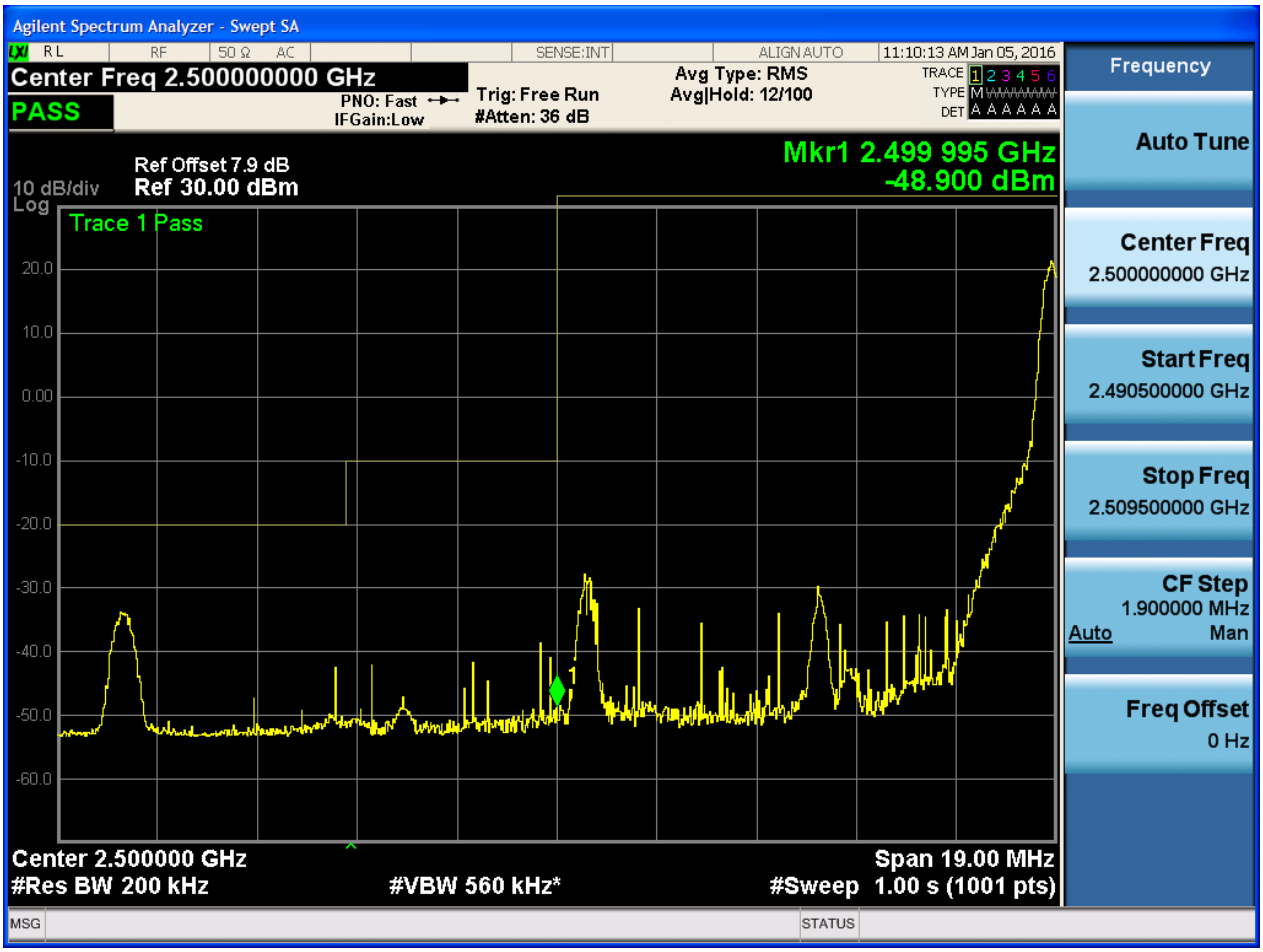
5.1.4.2.2.1 Test Channel = LCH

5.1.4.2.2.1.1 Test RB = RB1#0



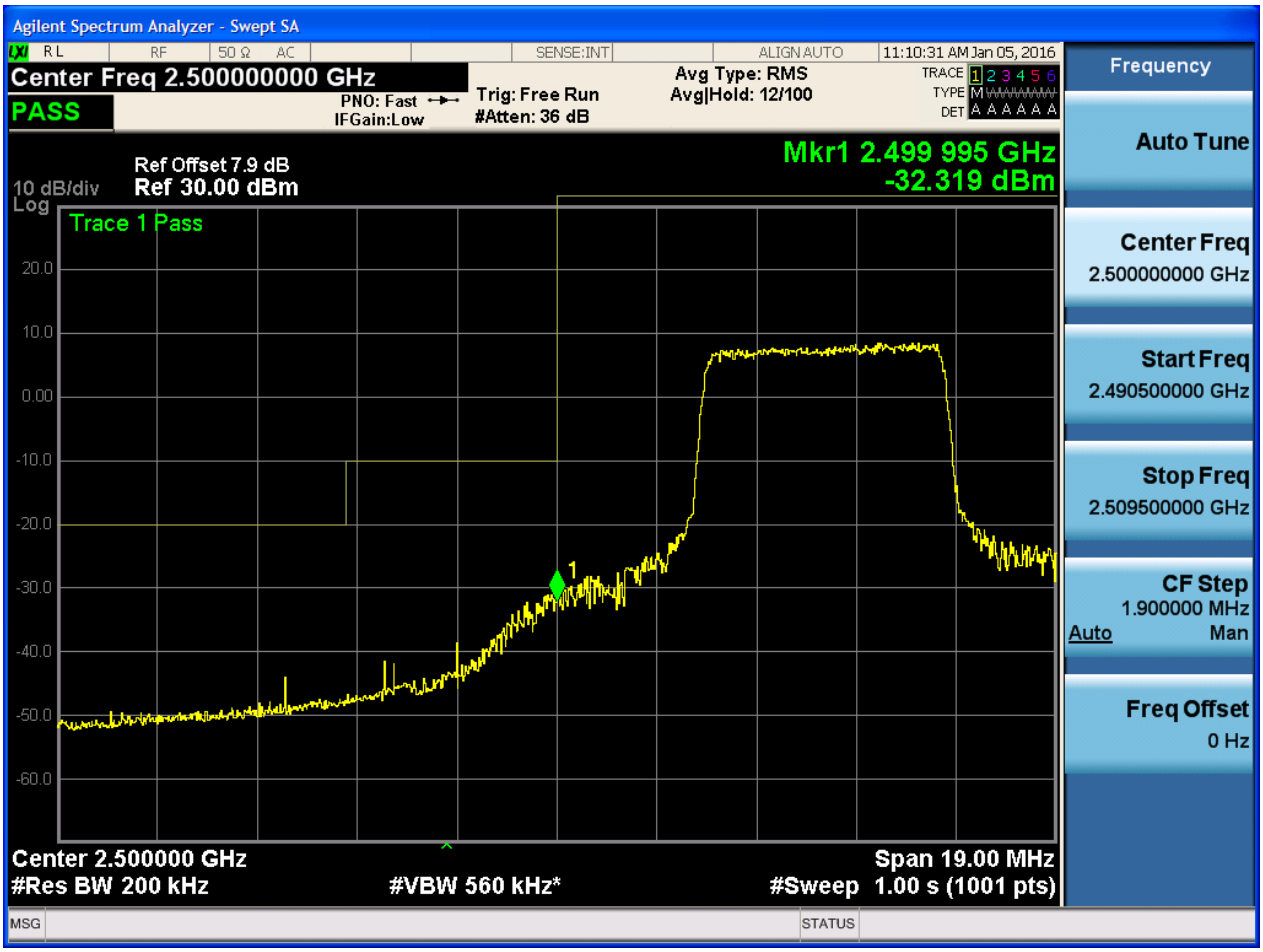
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.2.1.2 Test RB = RB1#49



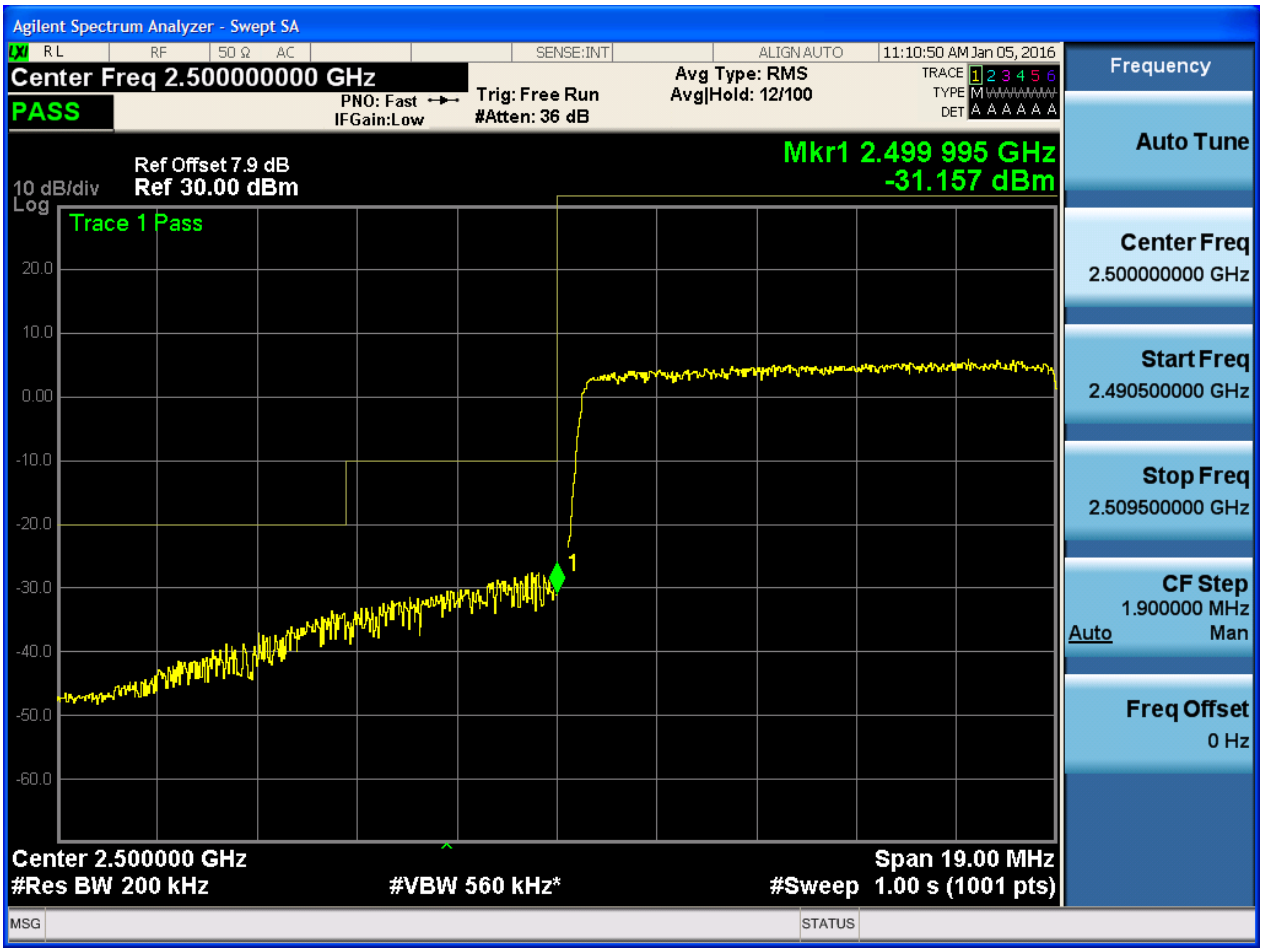
Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.2.1.3 Test RB = RB25#13



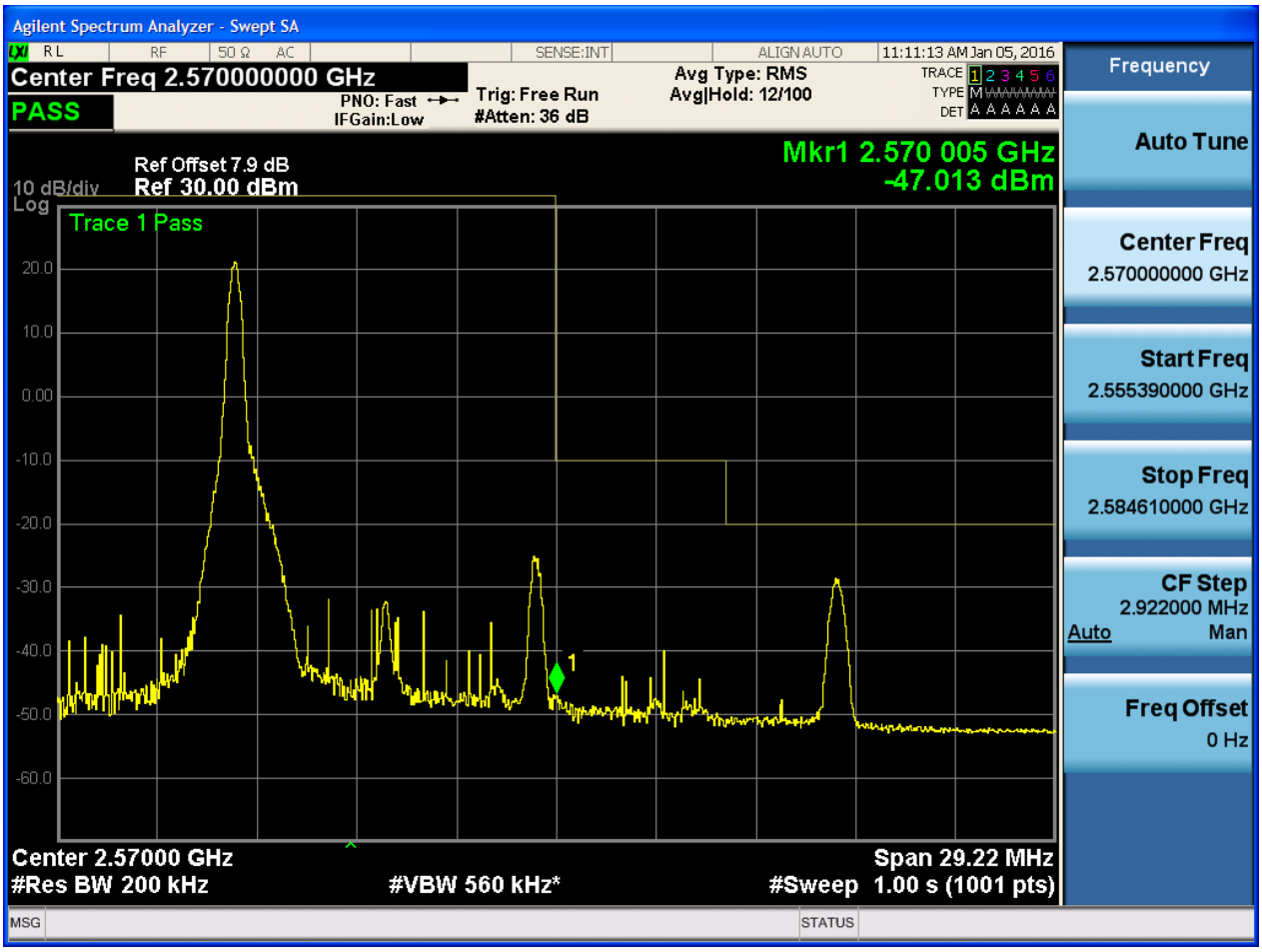
Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.2.1.4 Test RB = RB50#0



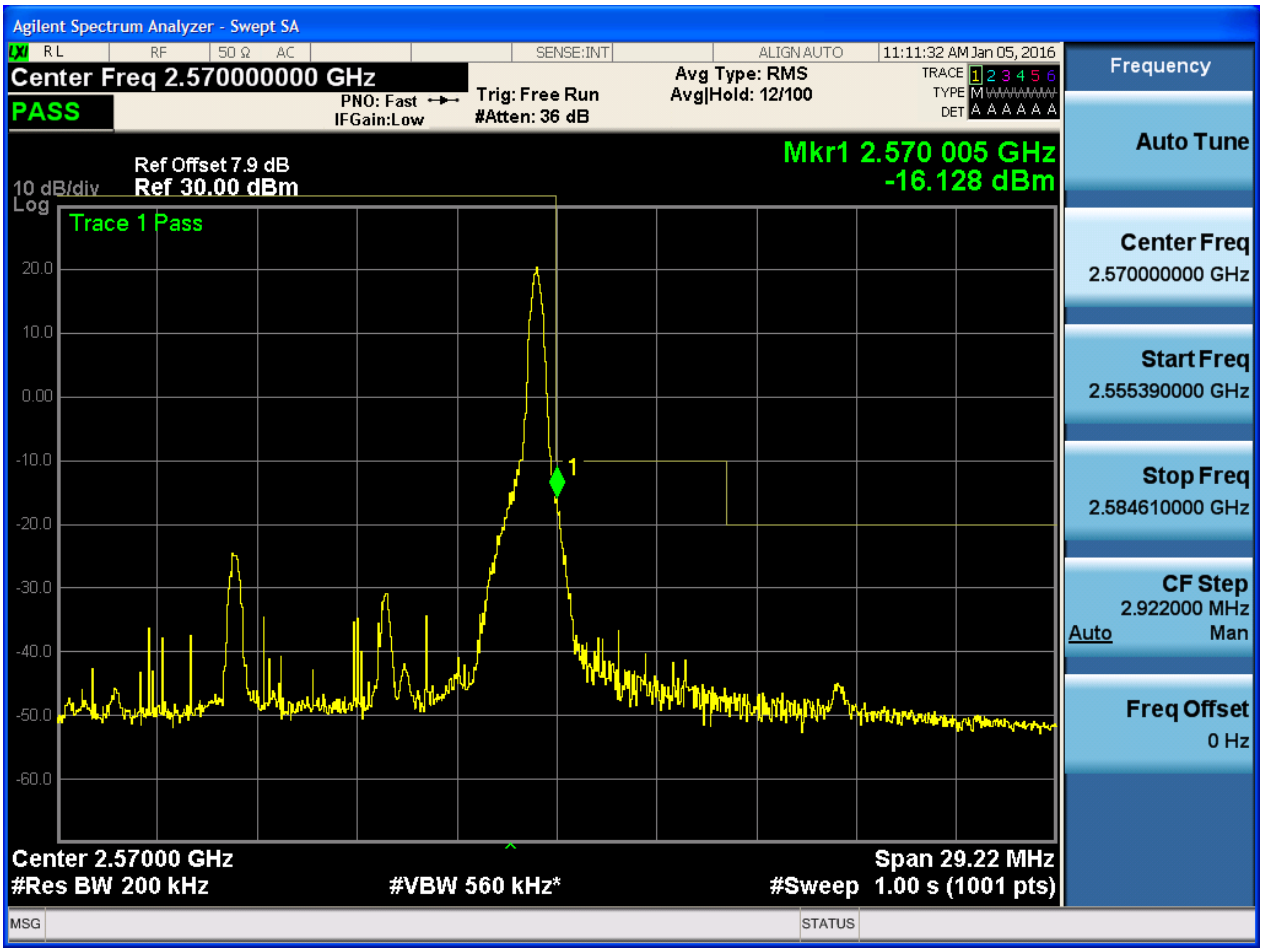
5.1.4.2.2.2 Test Channel = HCH

5.1.4.2.2.2.1 Test RB = RB1#0



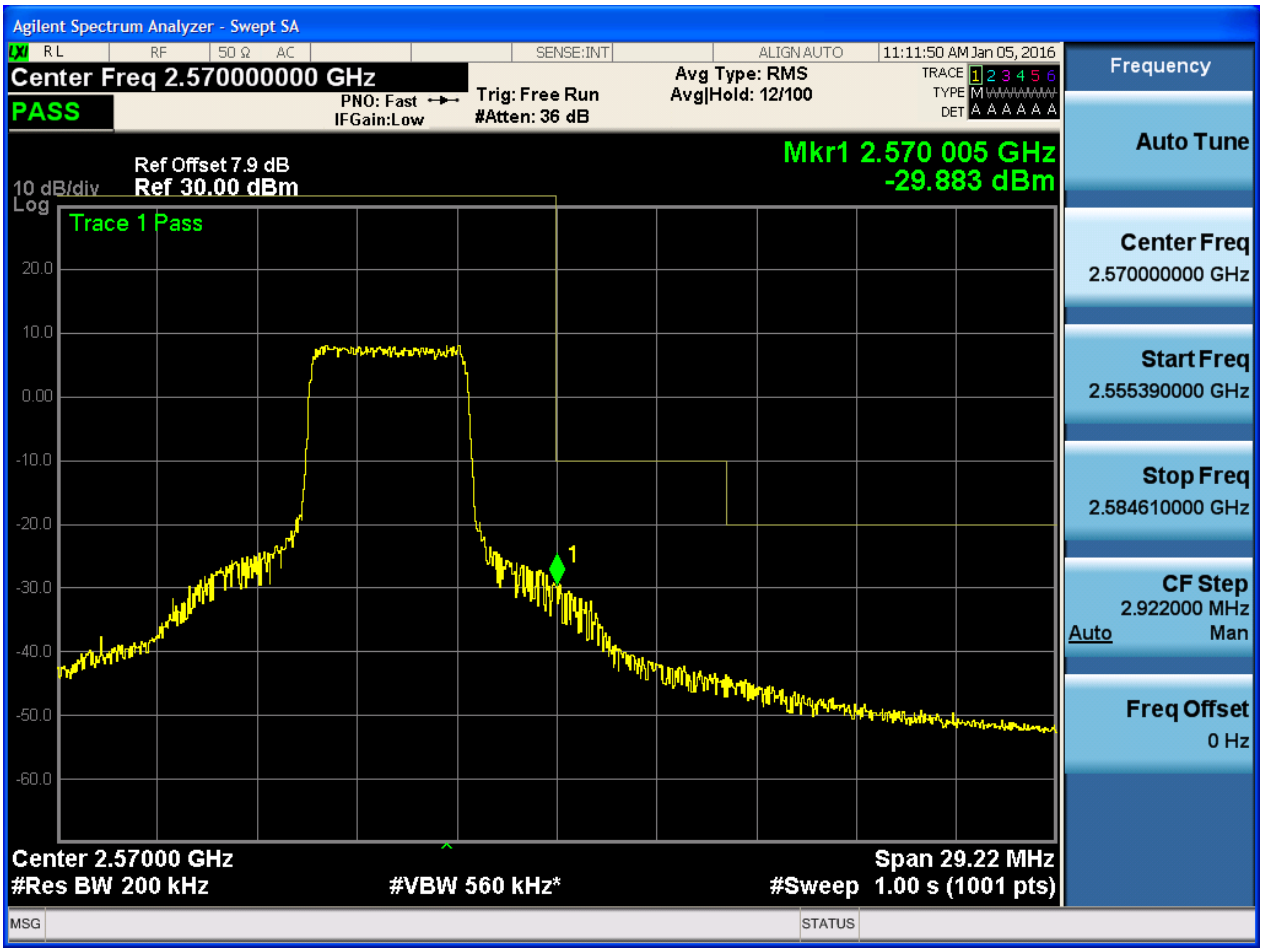
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.2.2.2 Test RB = RB1#49



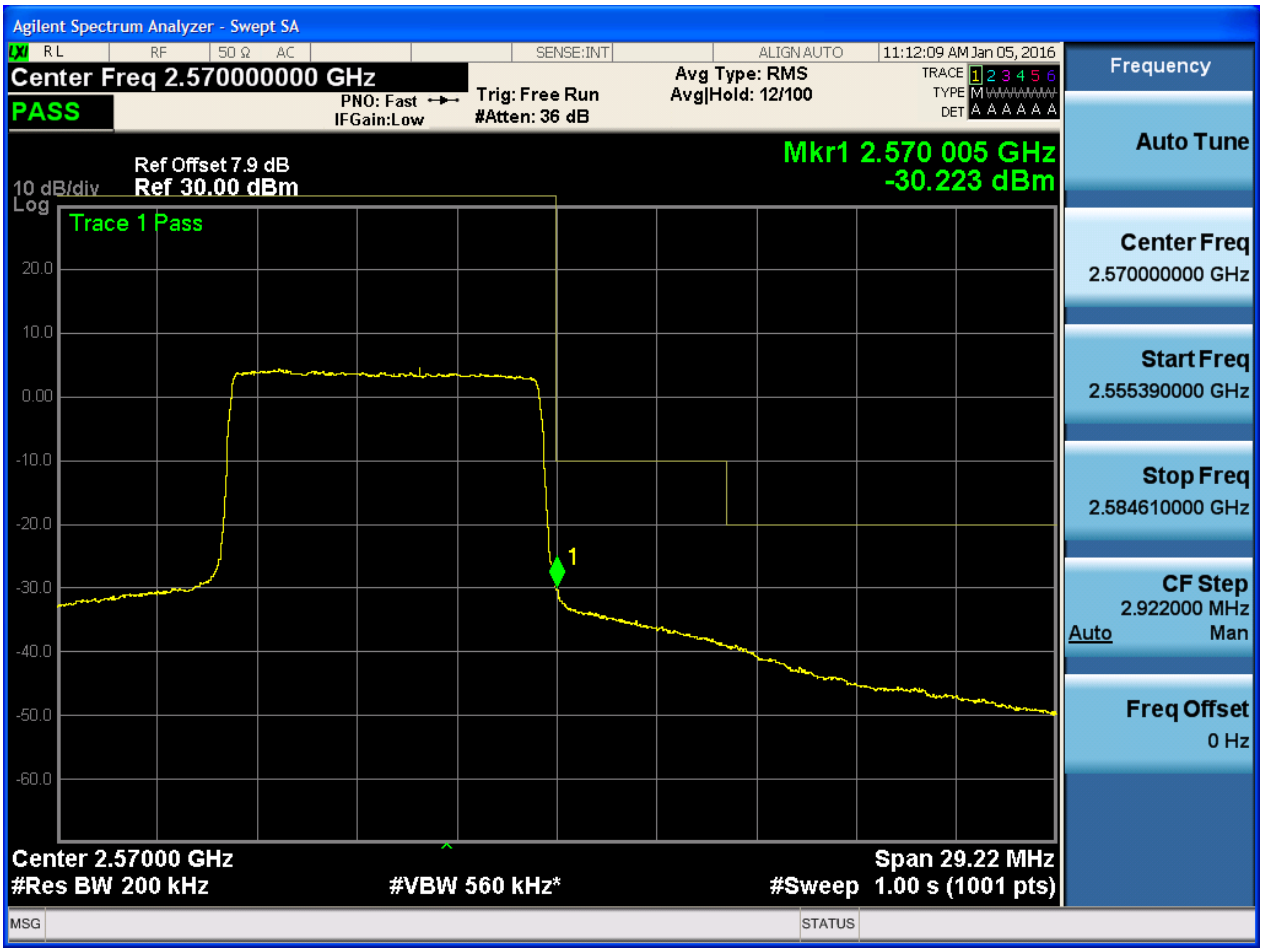
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.2.2.3 Test RB = RB25#13



Copyright © Huawei Technologies Co., Ltd.

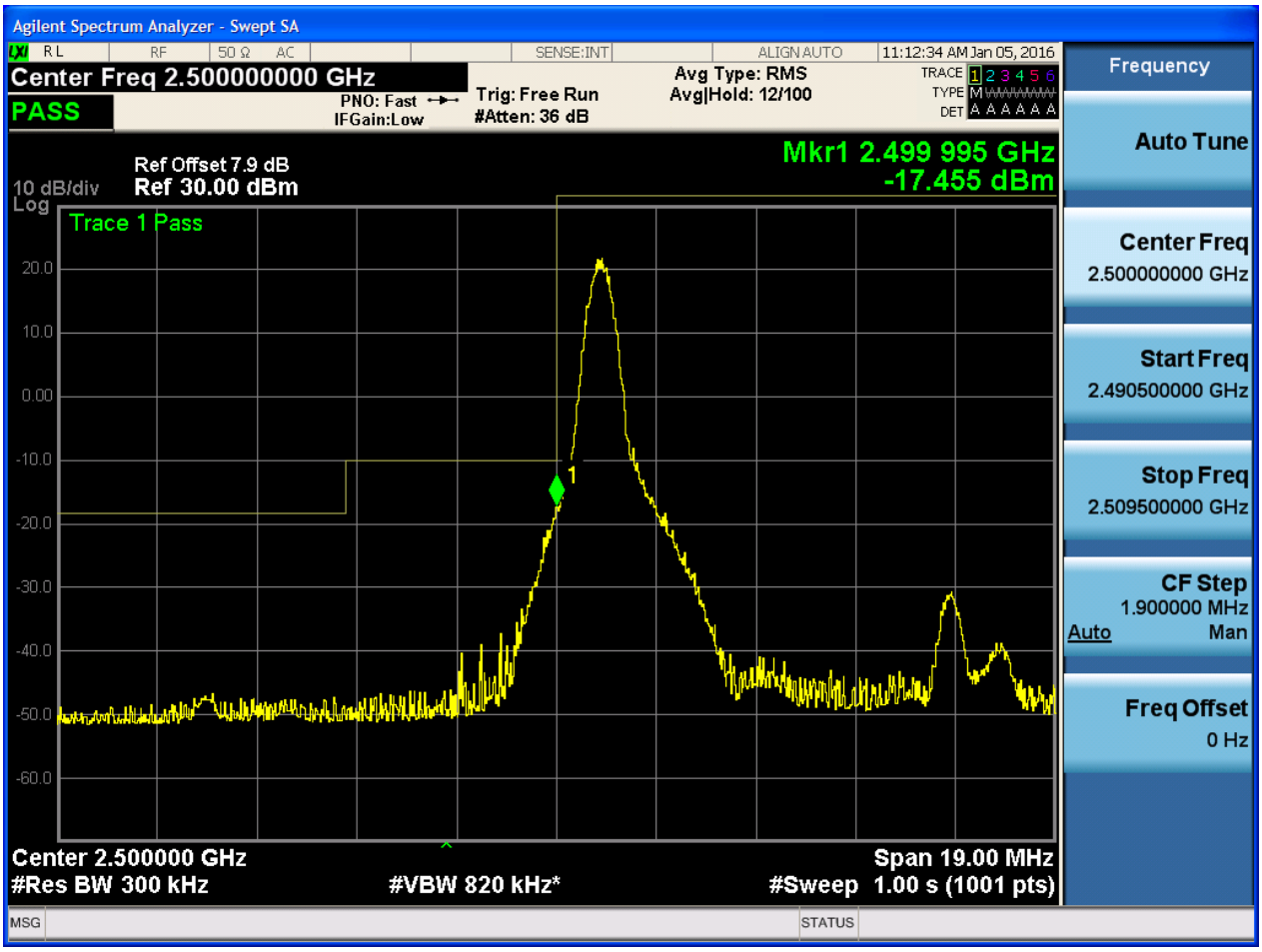
5.1.4.2.2.2.4 Test RB = RB50#0



5.1.4.2.3 Test Bandwidth = 15

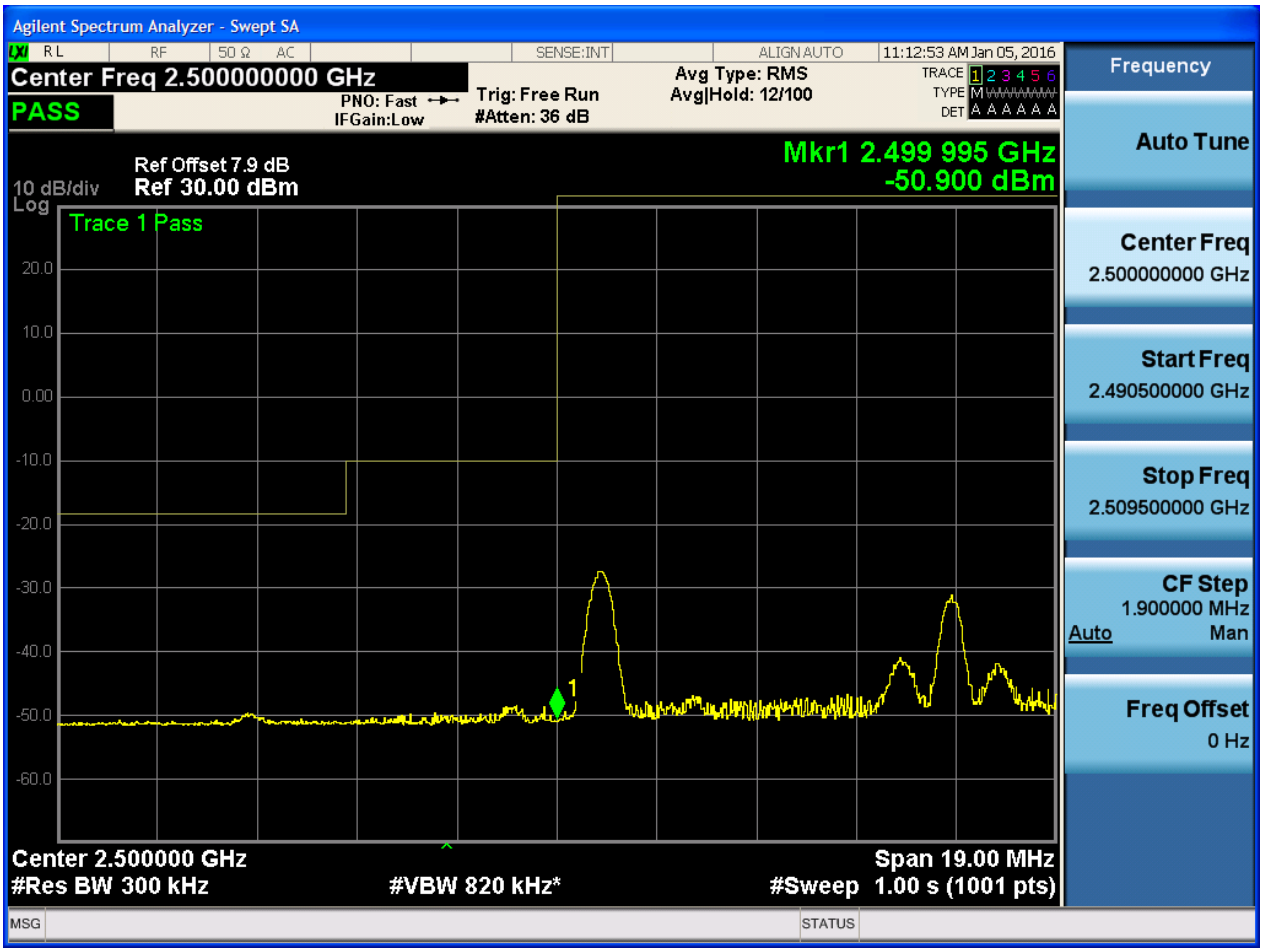
5.1.4.2.3.1 Test Channel = LCH

5.1.4.2.3.1.1 Test RB = RB1#0

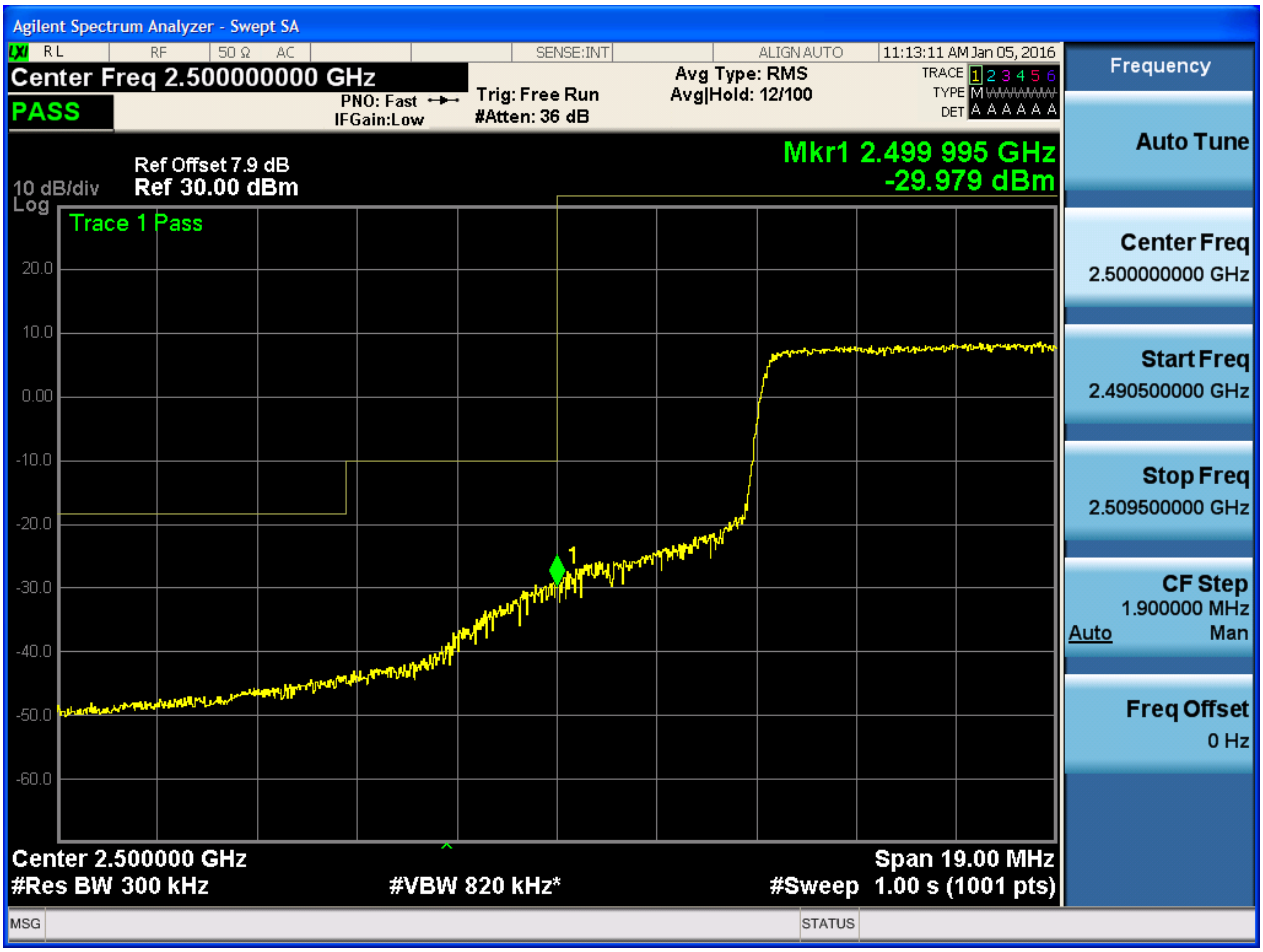


Copyright © Huawei Technologies Co., Ltd.

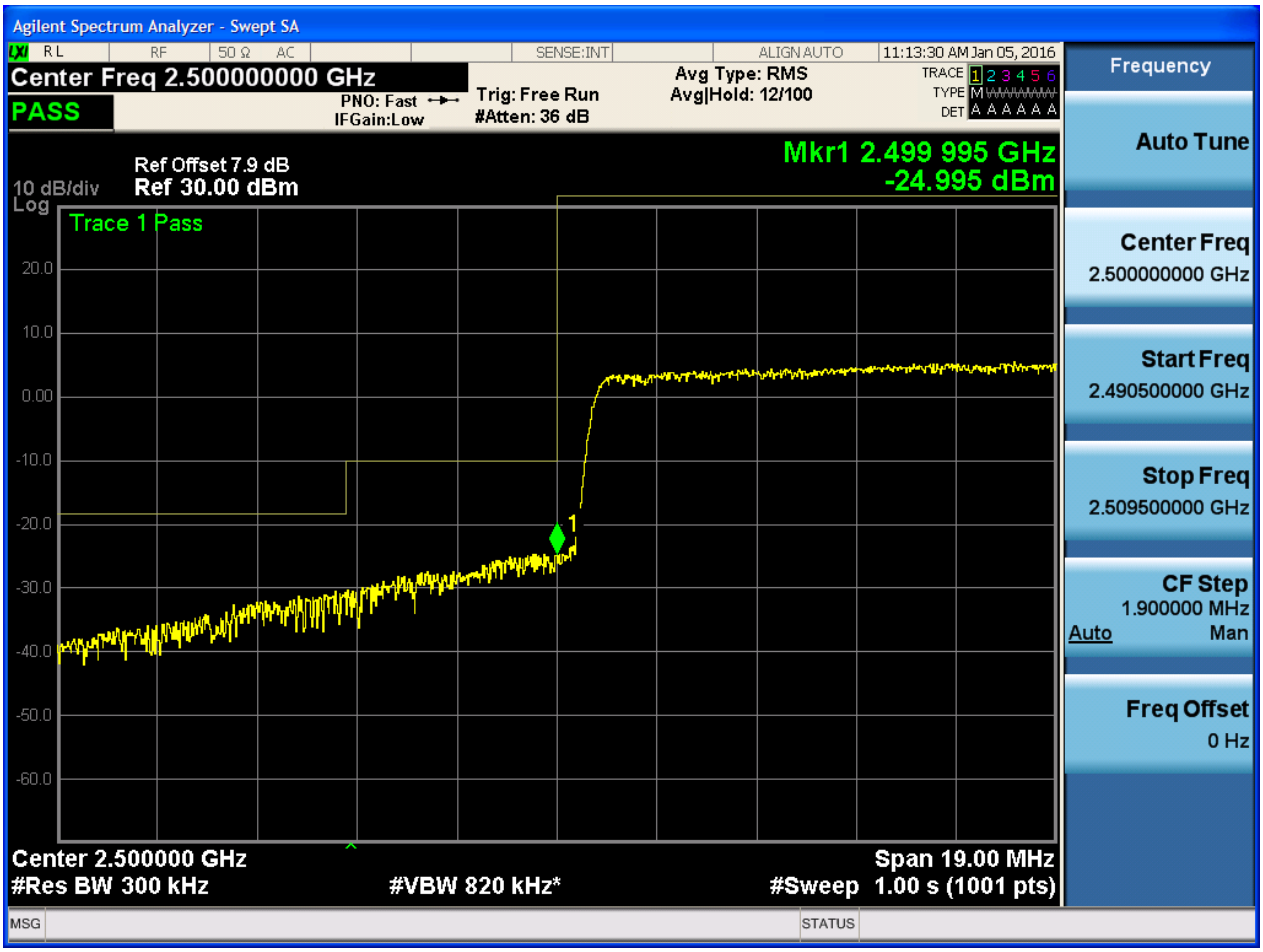
5.1.4.2.3.1.2 Test RB = RB1#74



5.1.4.2.3.1.3 Test RB = RB36#18



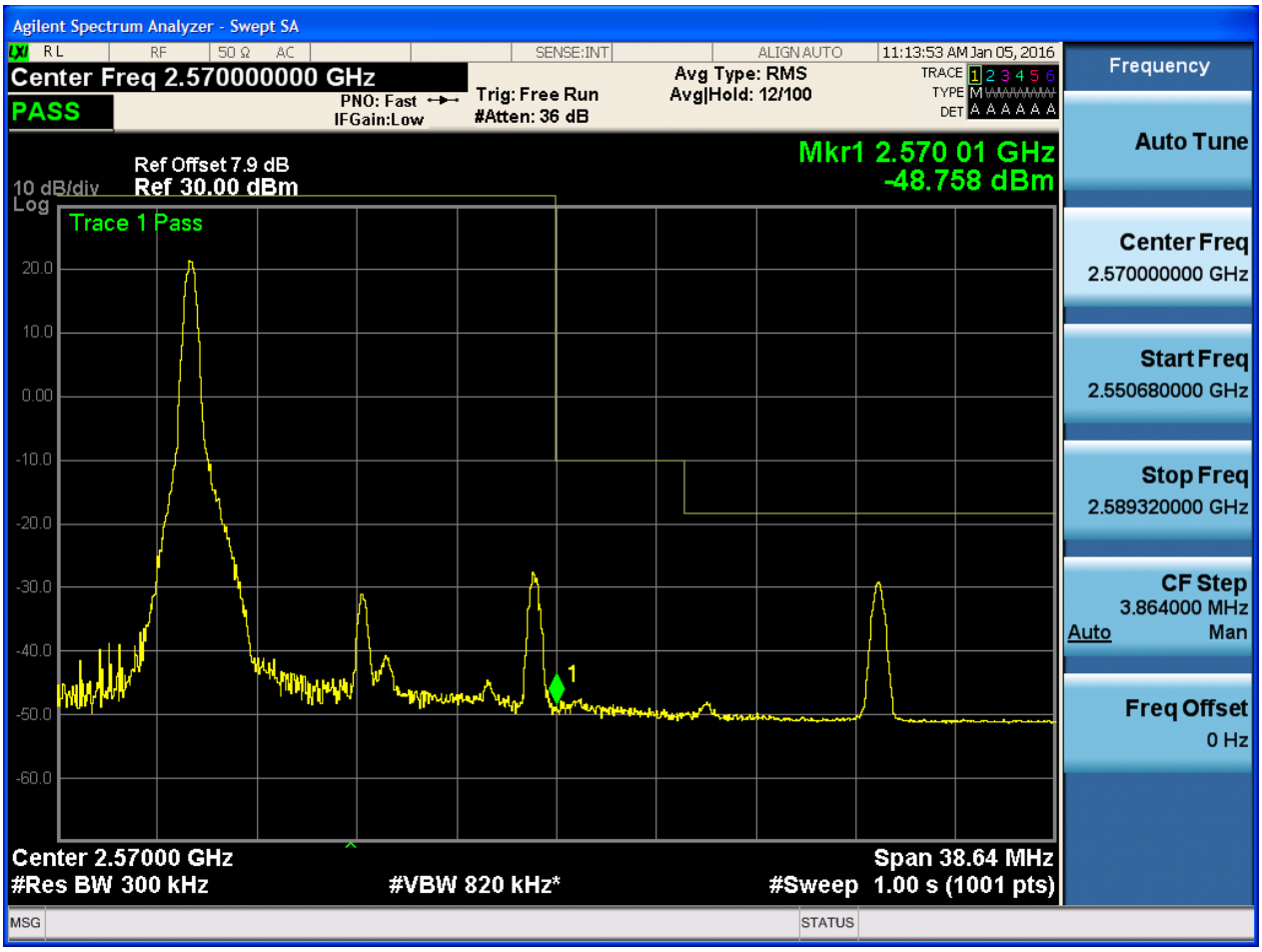
5.1.4.2.3.1.4 Test RB = RB75#0



Copyright © Huawei Technologies Co., Ltd.

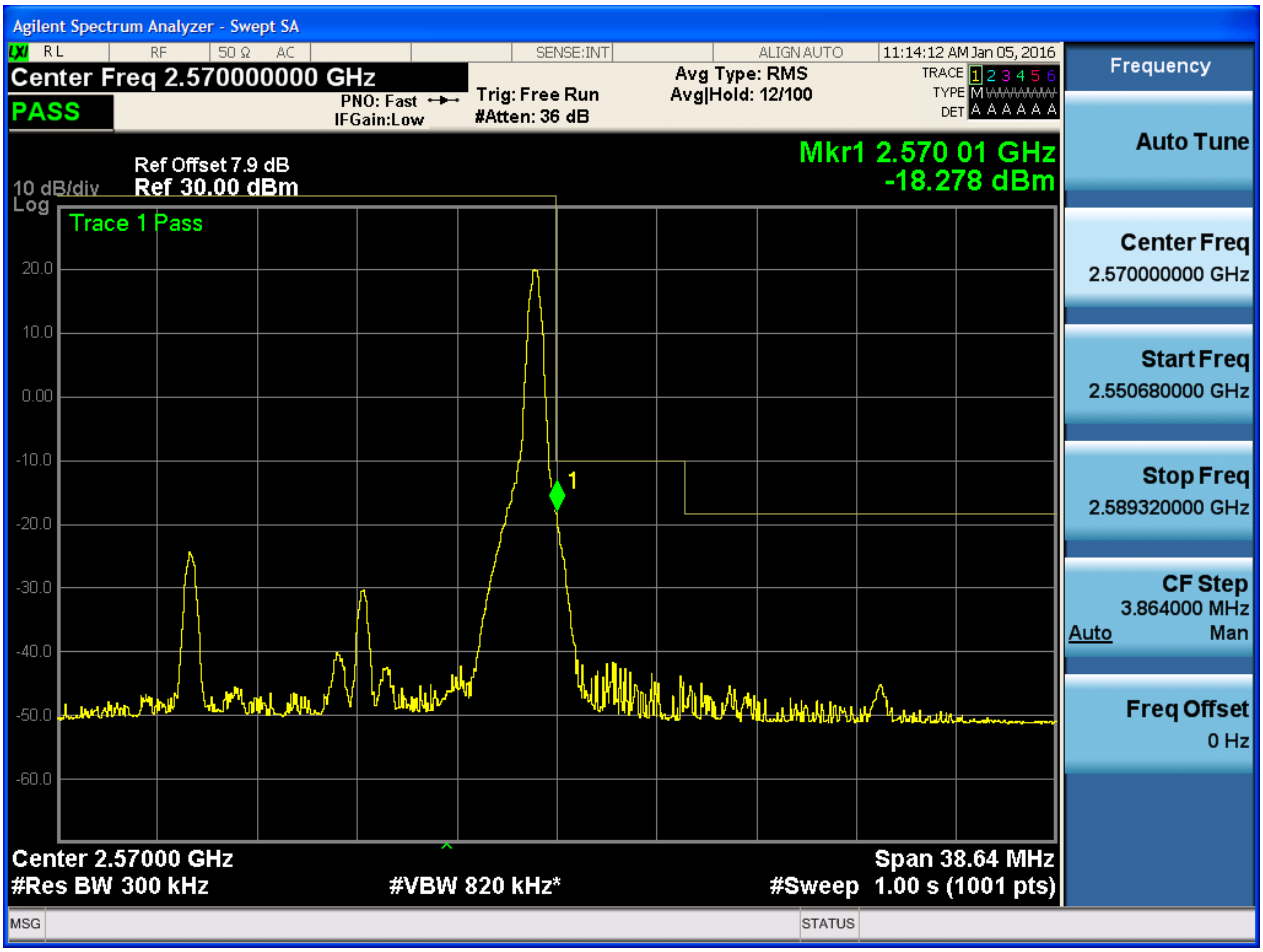
5.1.4.2.3.2 Test Channel = HCH

5.1.4.2.3.2.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.3.2.2 Test RB = RB1#74



Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.3.2.3 Test RB = RB36#18

Copyright © Huawei Technologies Co., Ltd.

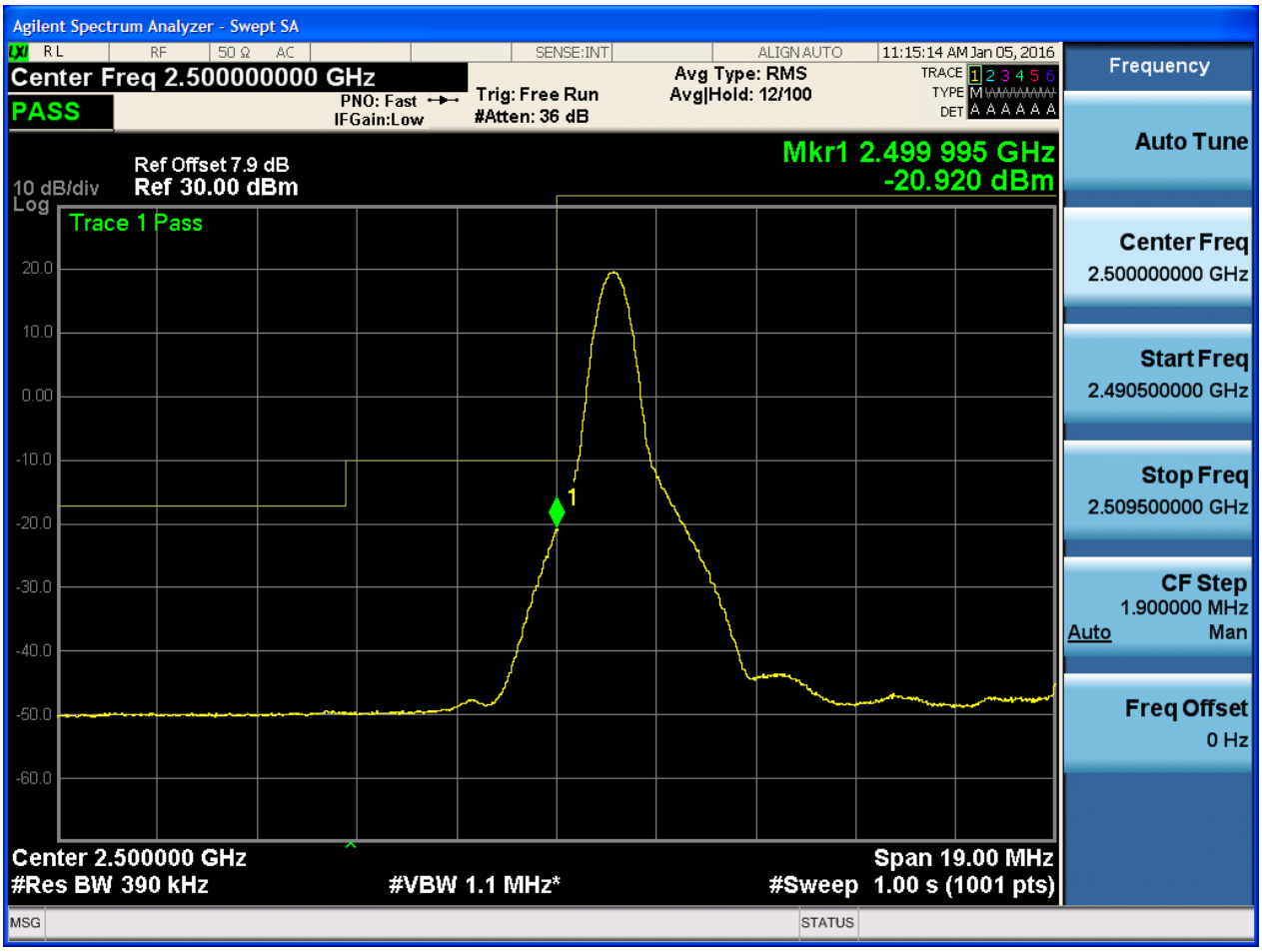
5.1.4.2.3.2.4 Test RB = RB75#0

Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.4 Test Bandwidth = 20

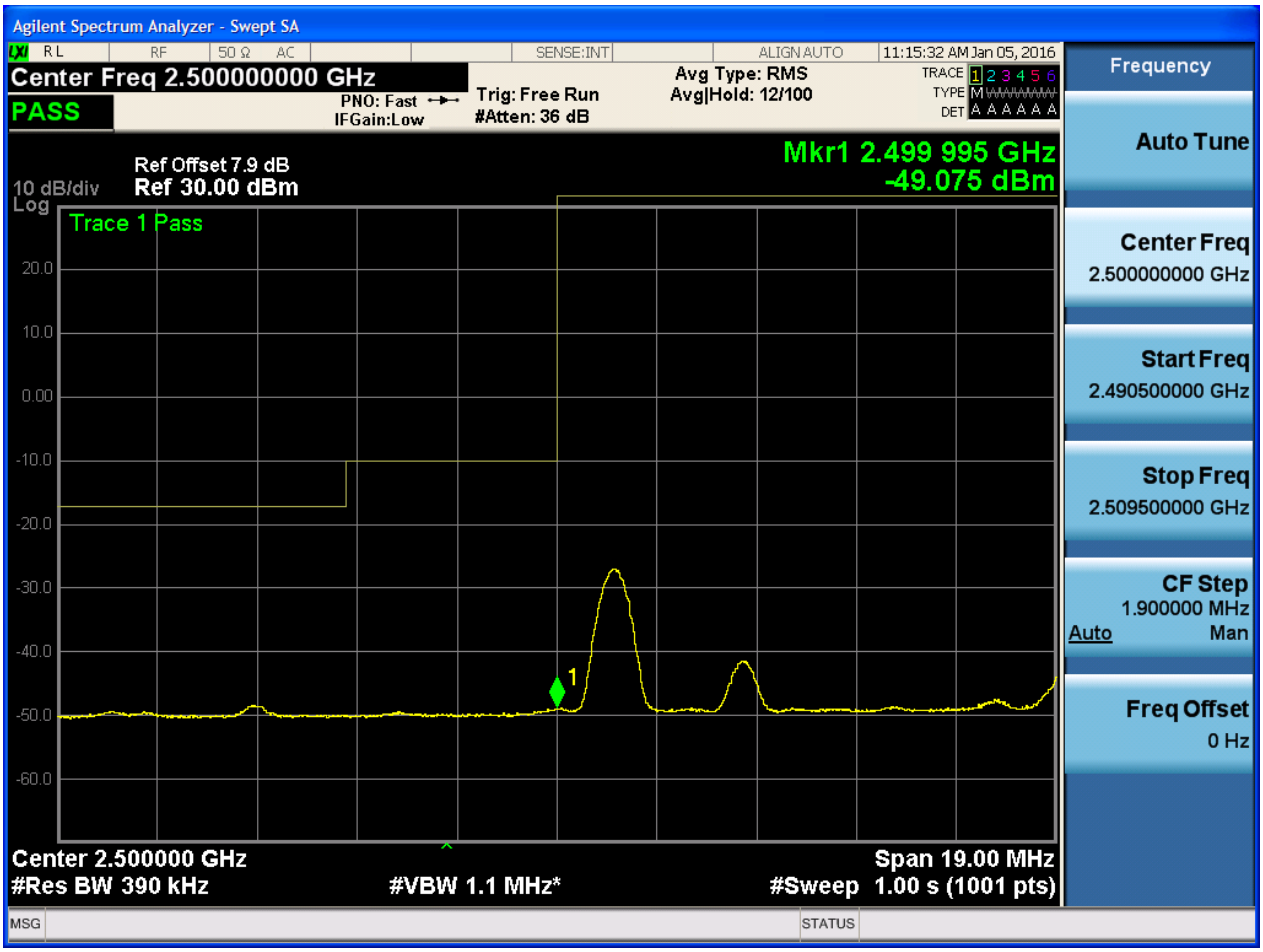
5.1.4.2.4.1 Test Channel = LCH

5.1.4.2.4.1.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.4.1.2 Test RB = RB1#99

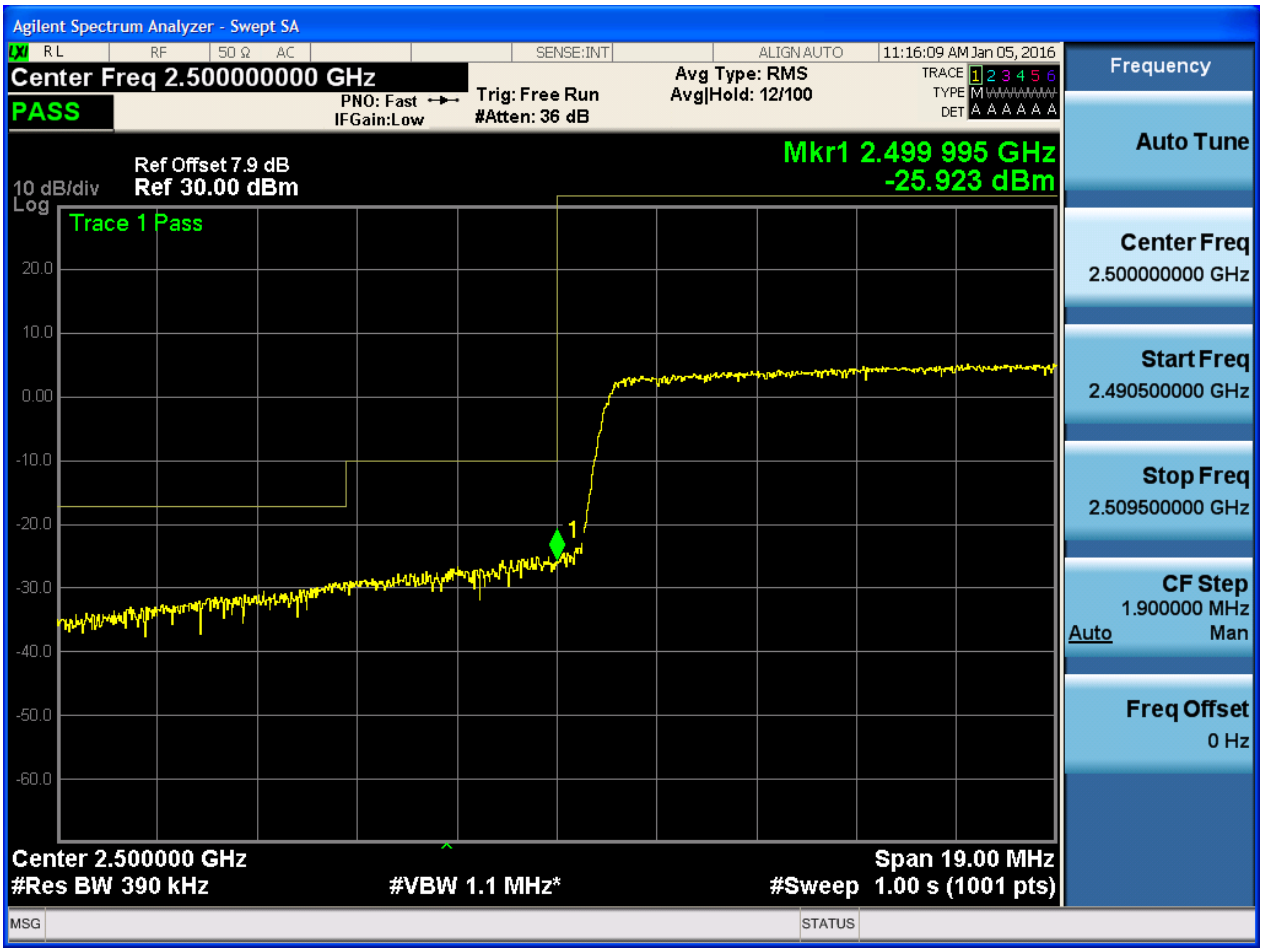


Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.4.1.3 Test RB = RB50#25

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

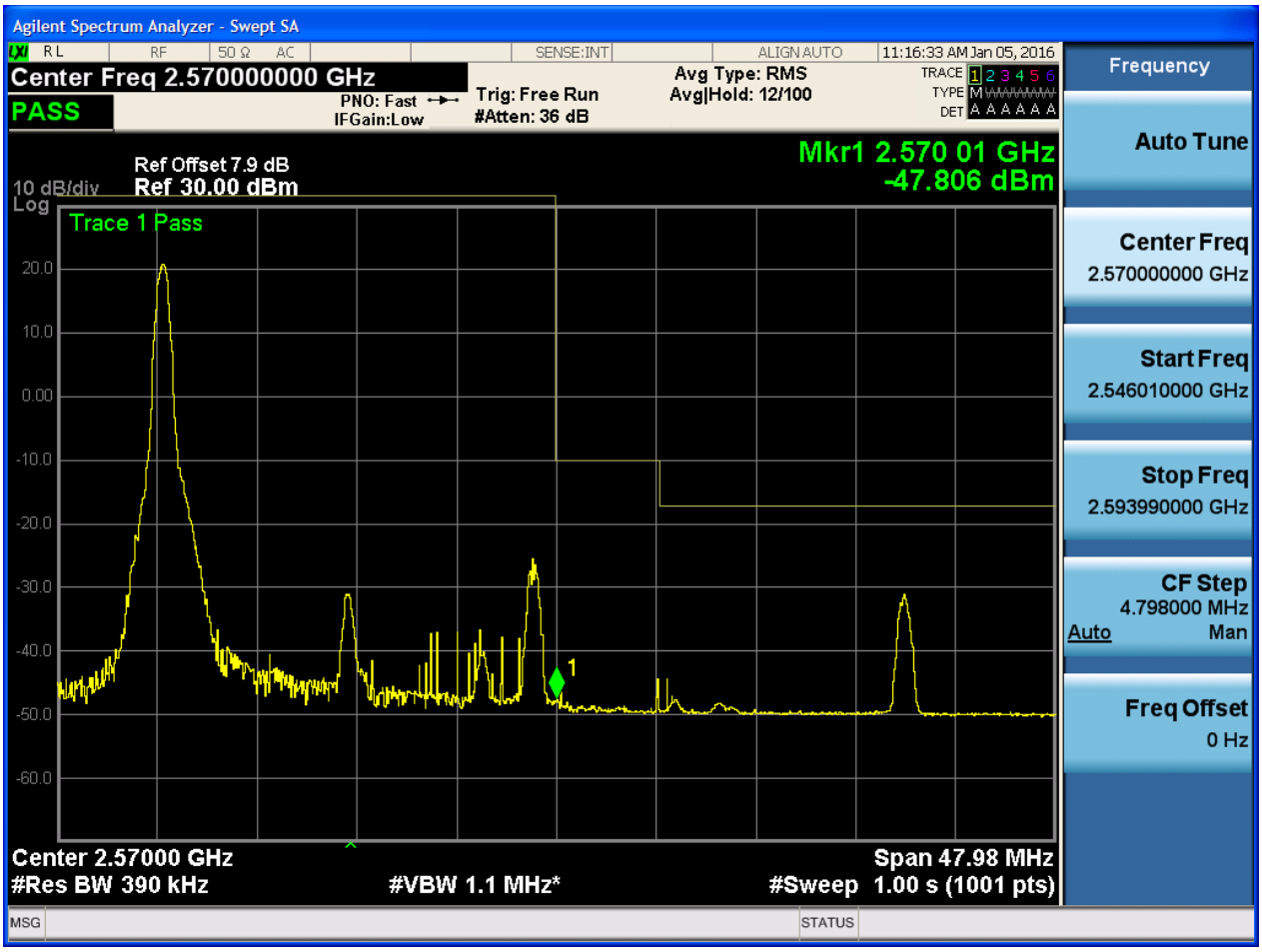
5.1.4.2.4.1.4 Test RB = RB100#0



Copyright © Huawei Technologies Co., Ltd.

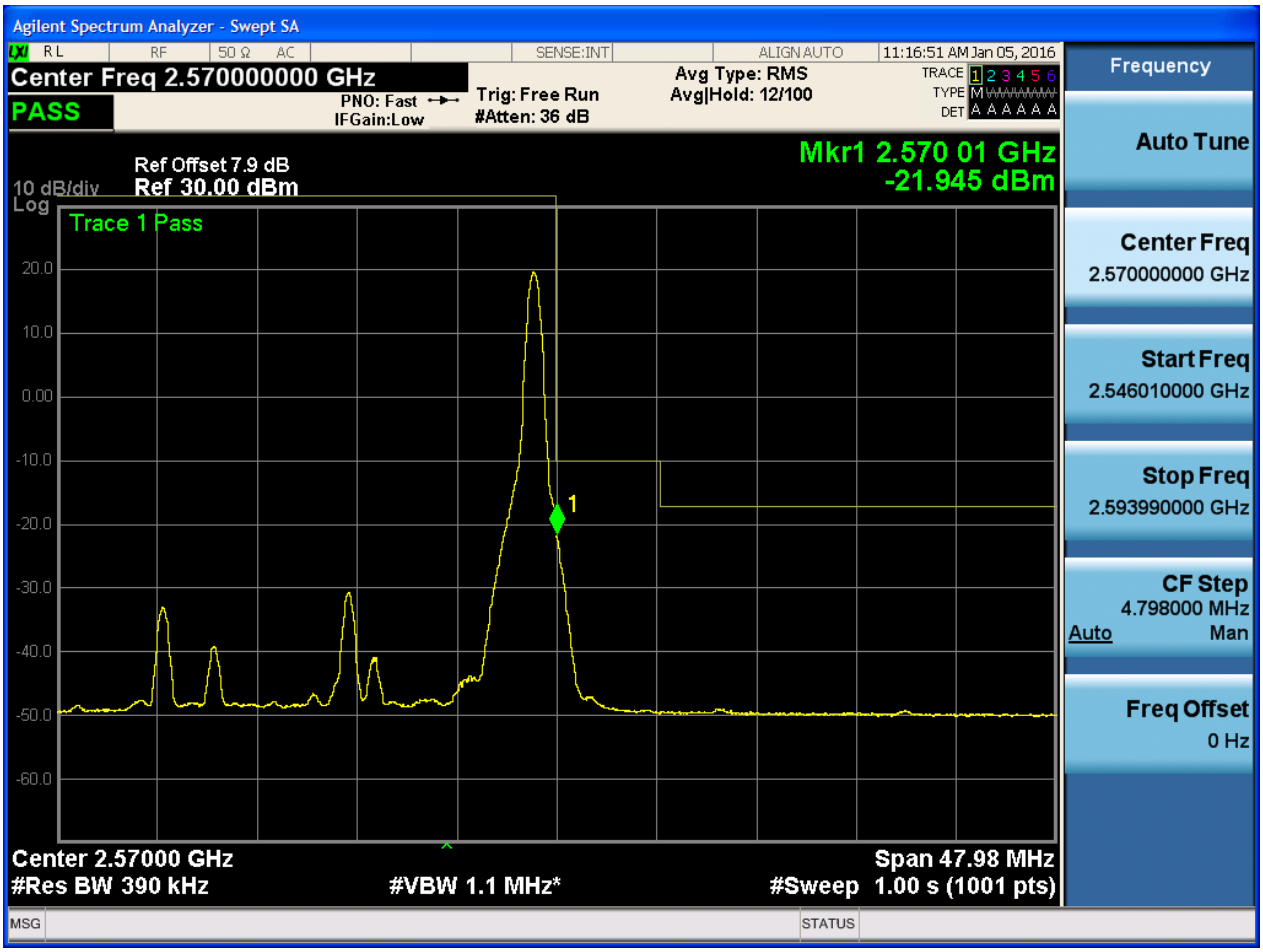
5.1.4.2.4.2 Test Channel = HCH

5.1.4.2.4.2.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.4.2.2 Test RB = RB1#99



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.4.2.4.2.3 Test RB = RB50#25

5.1.4.2.4.2.4 Test RB = RB100#0

6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = BAND2

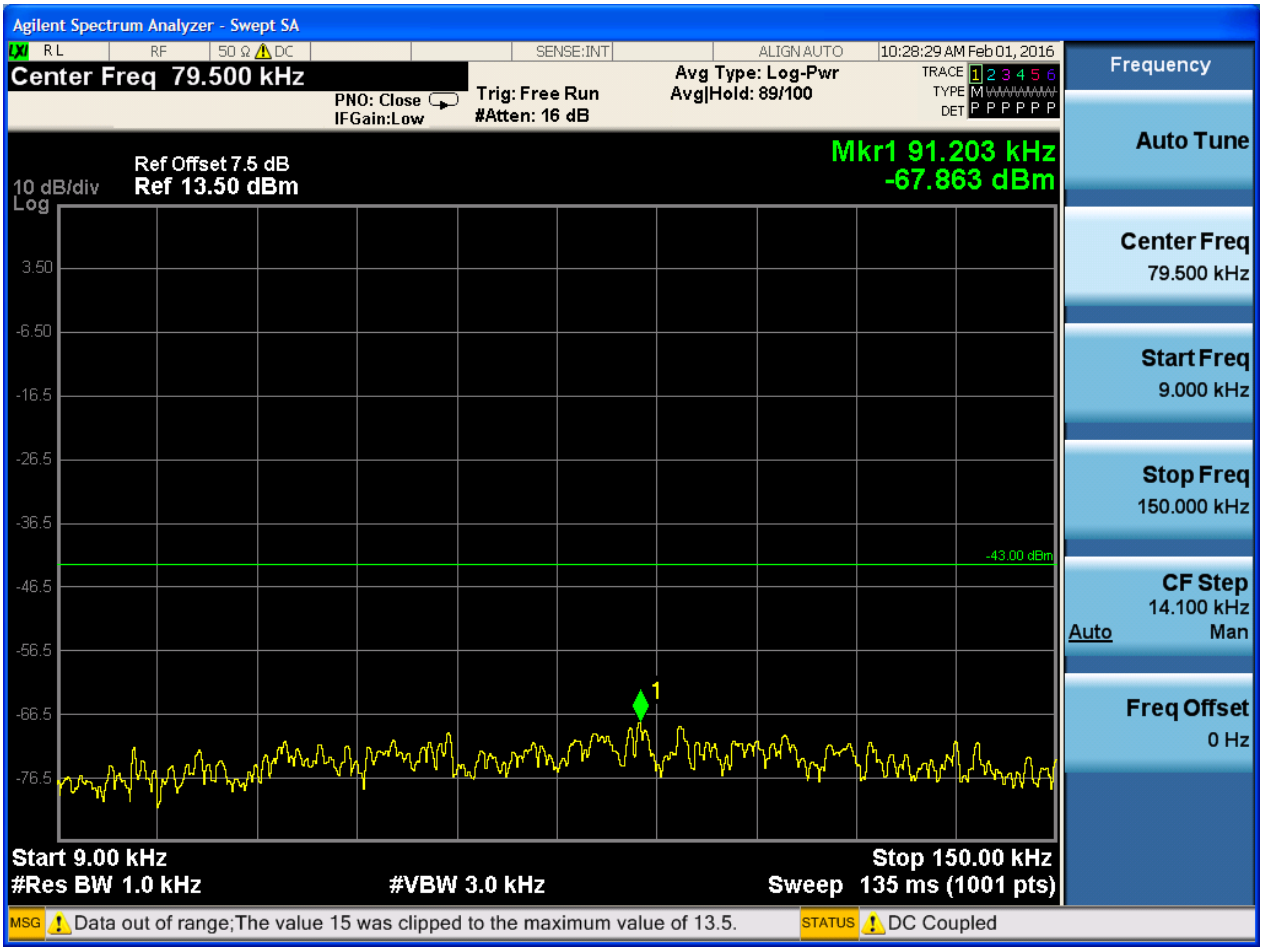
6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 1.4

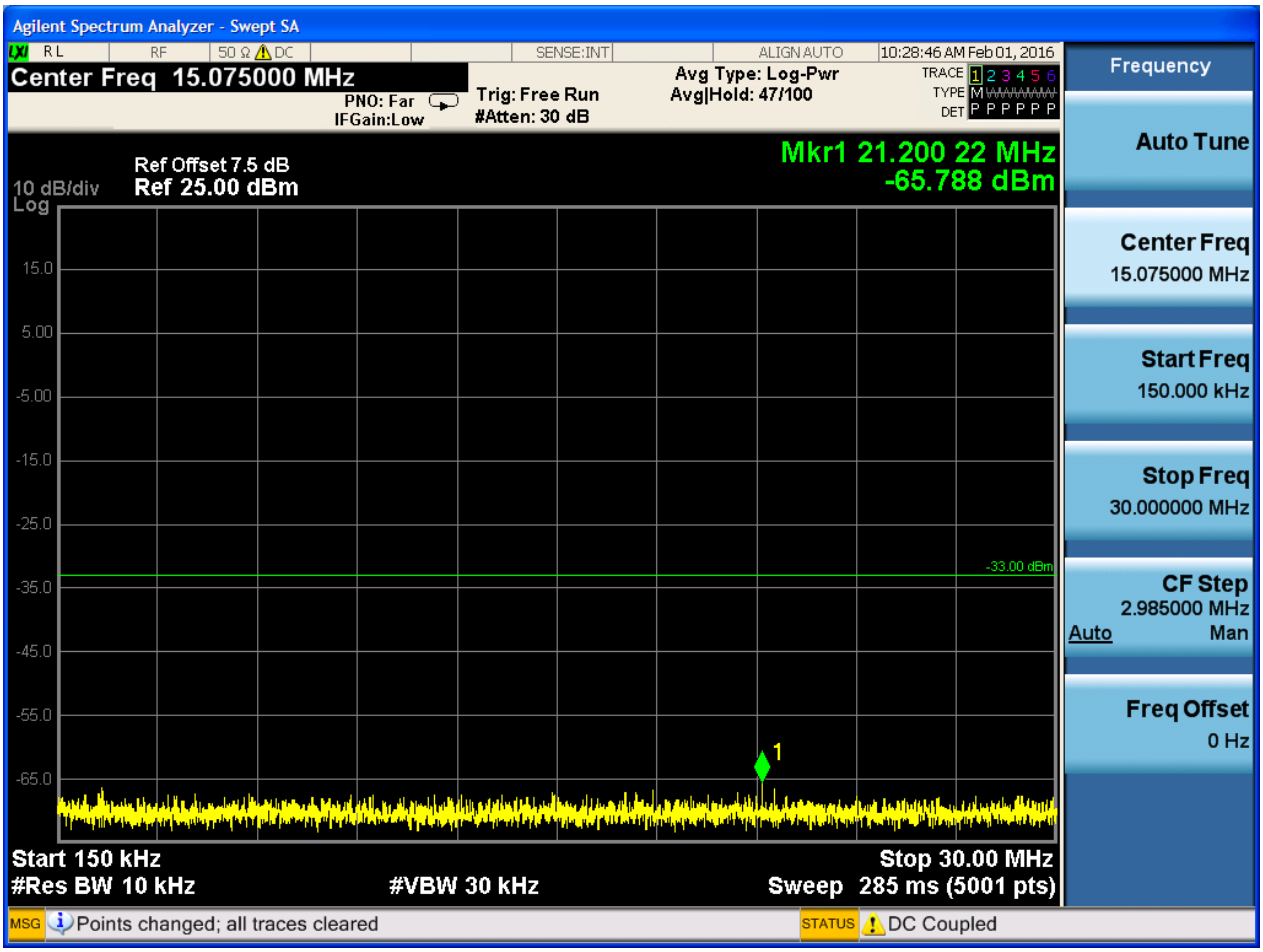
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

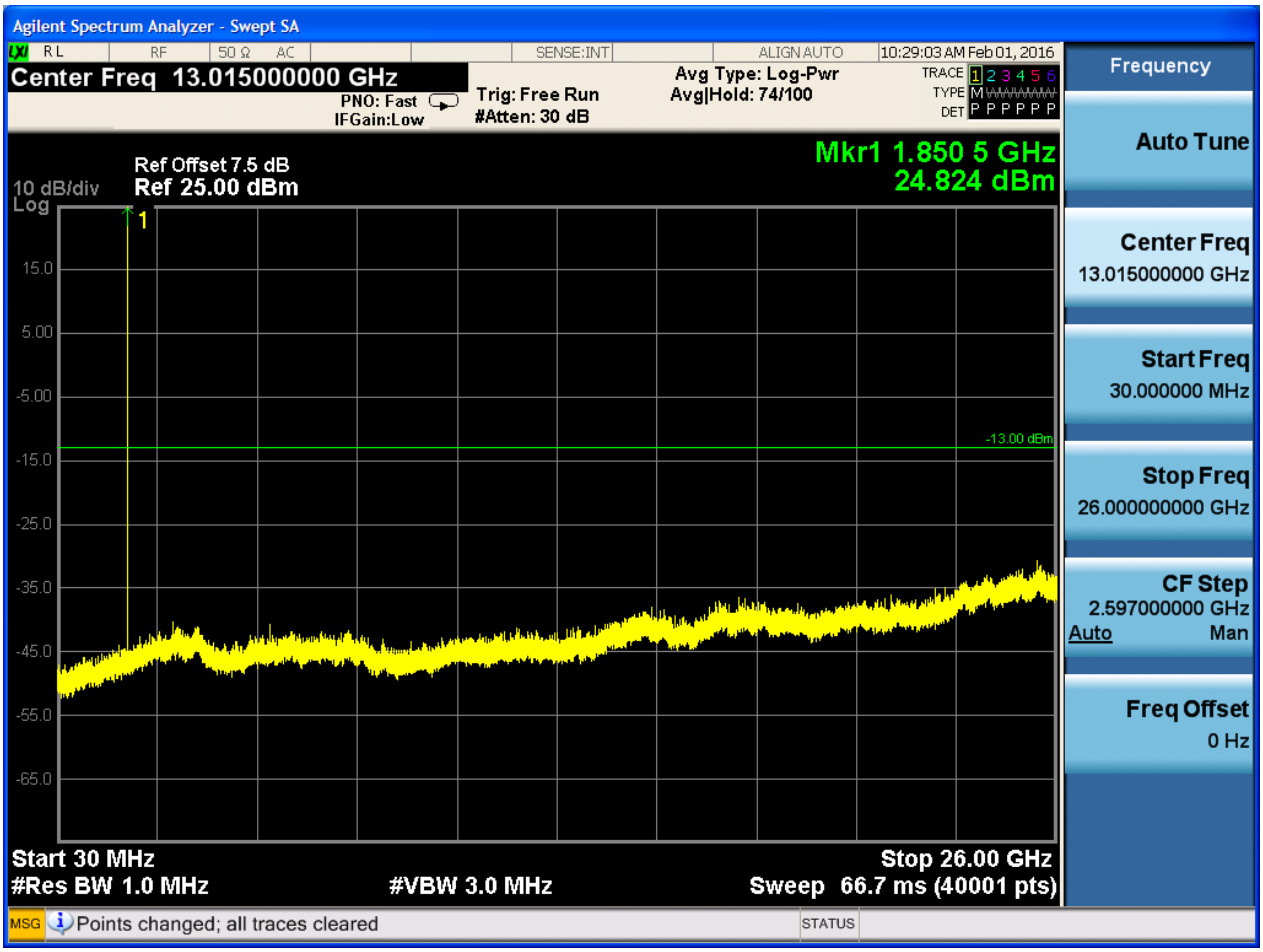
Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.



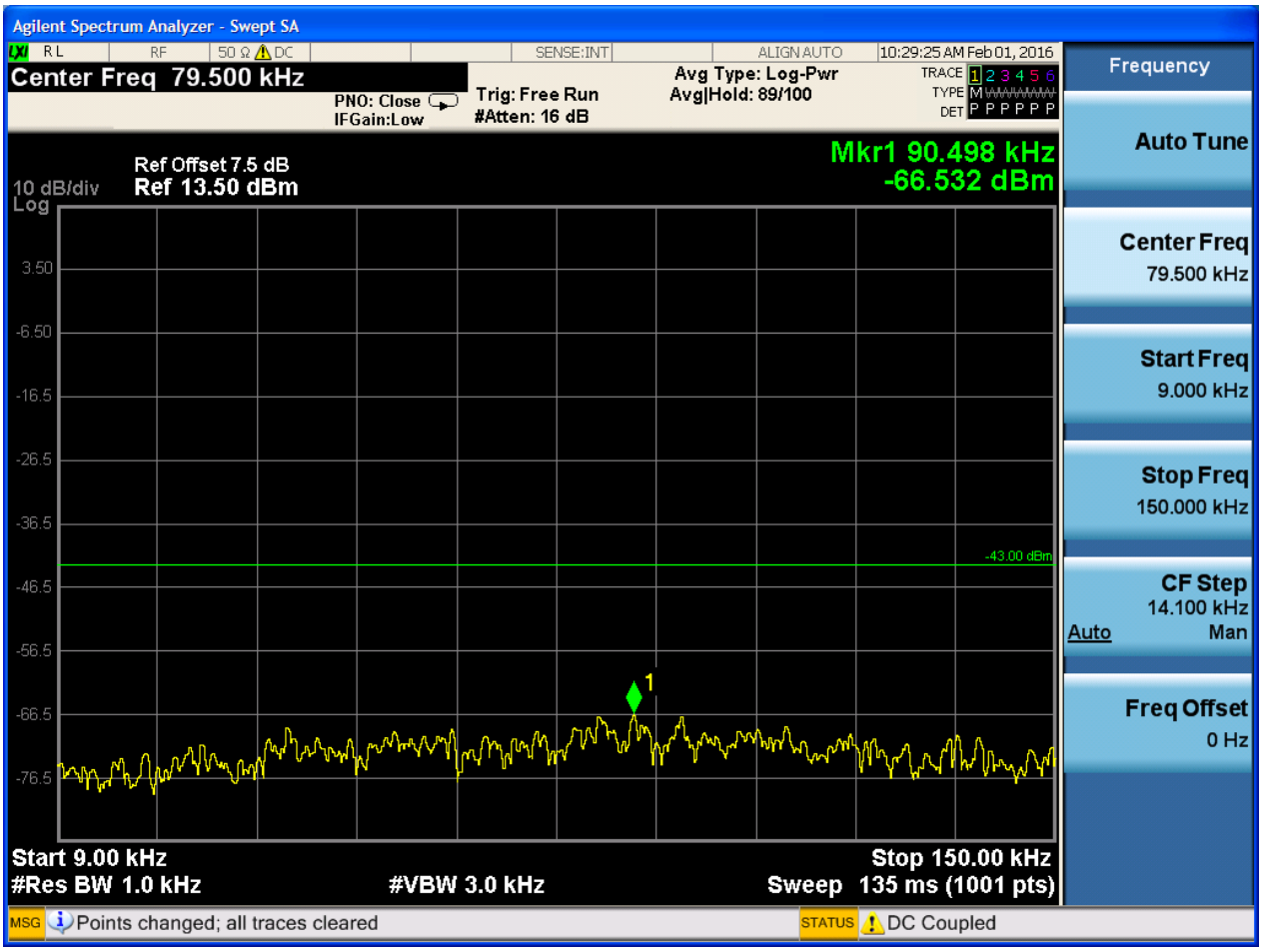
Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.



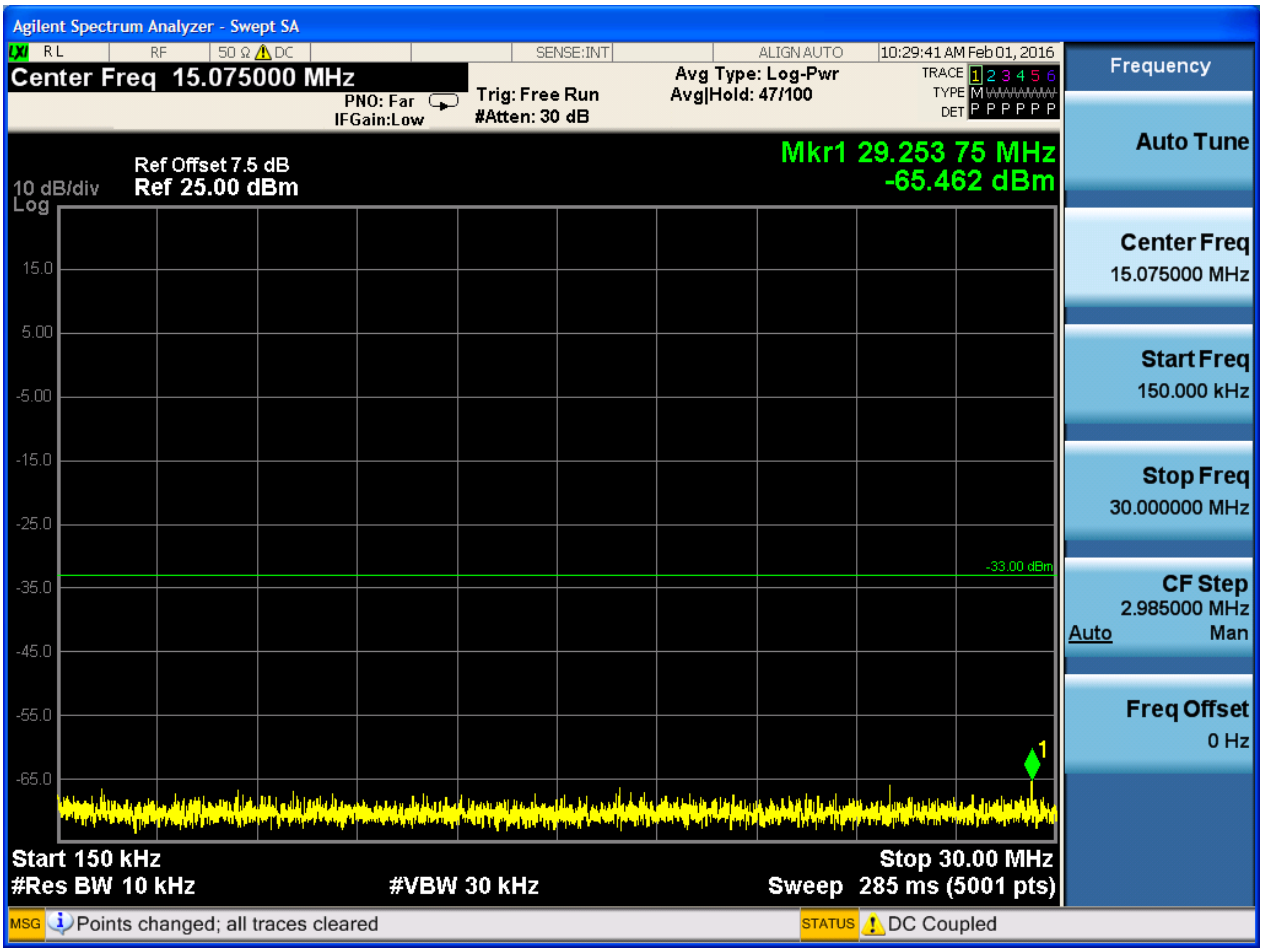
Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

6.1.1.1.1.2 Test Channel = MCH

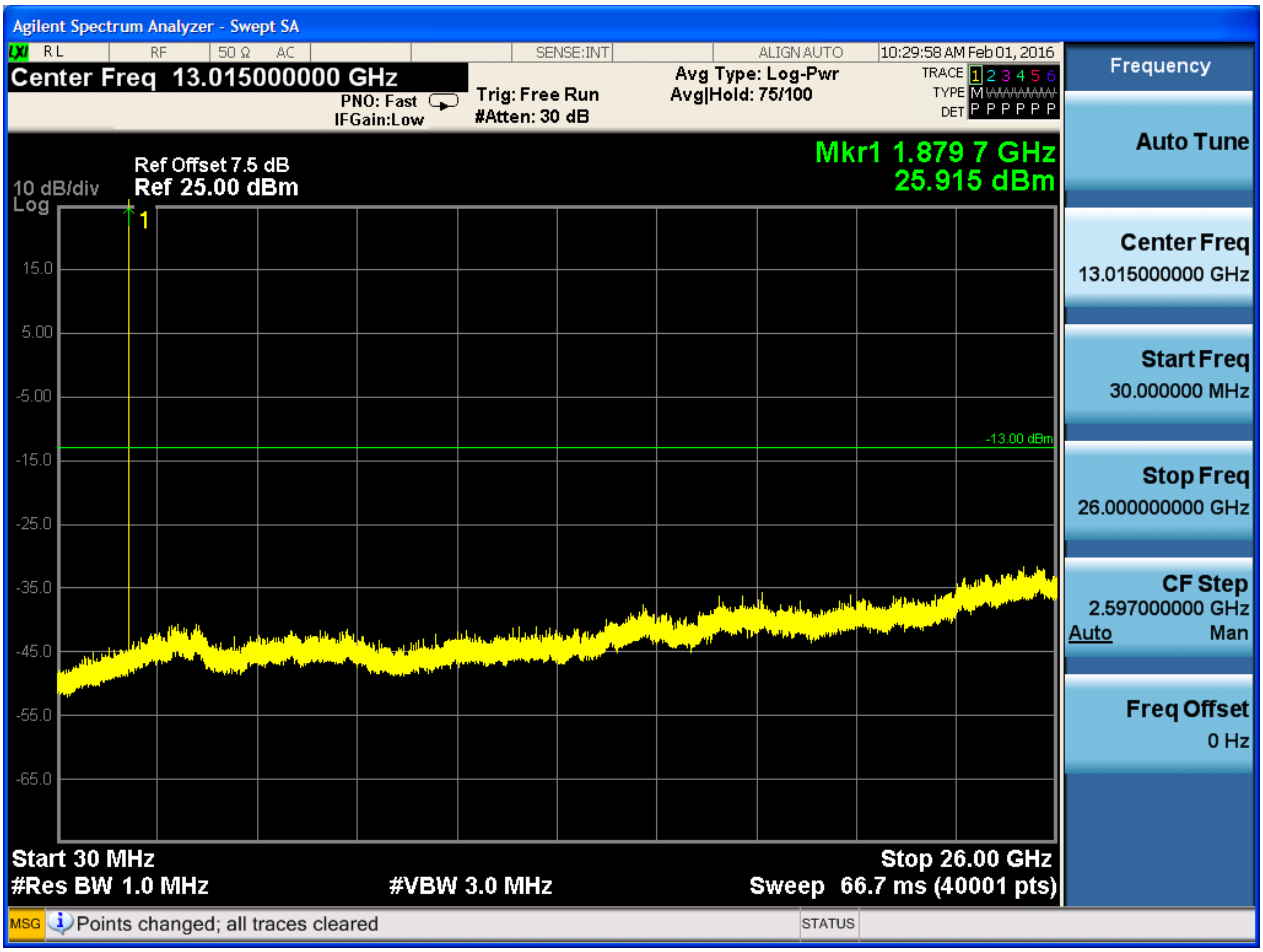
6.1.1.1.1.2.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.

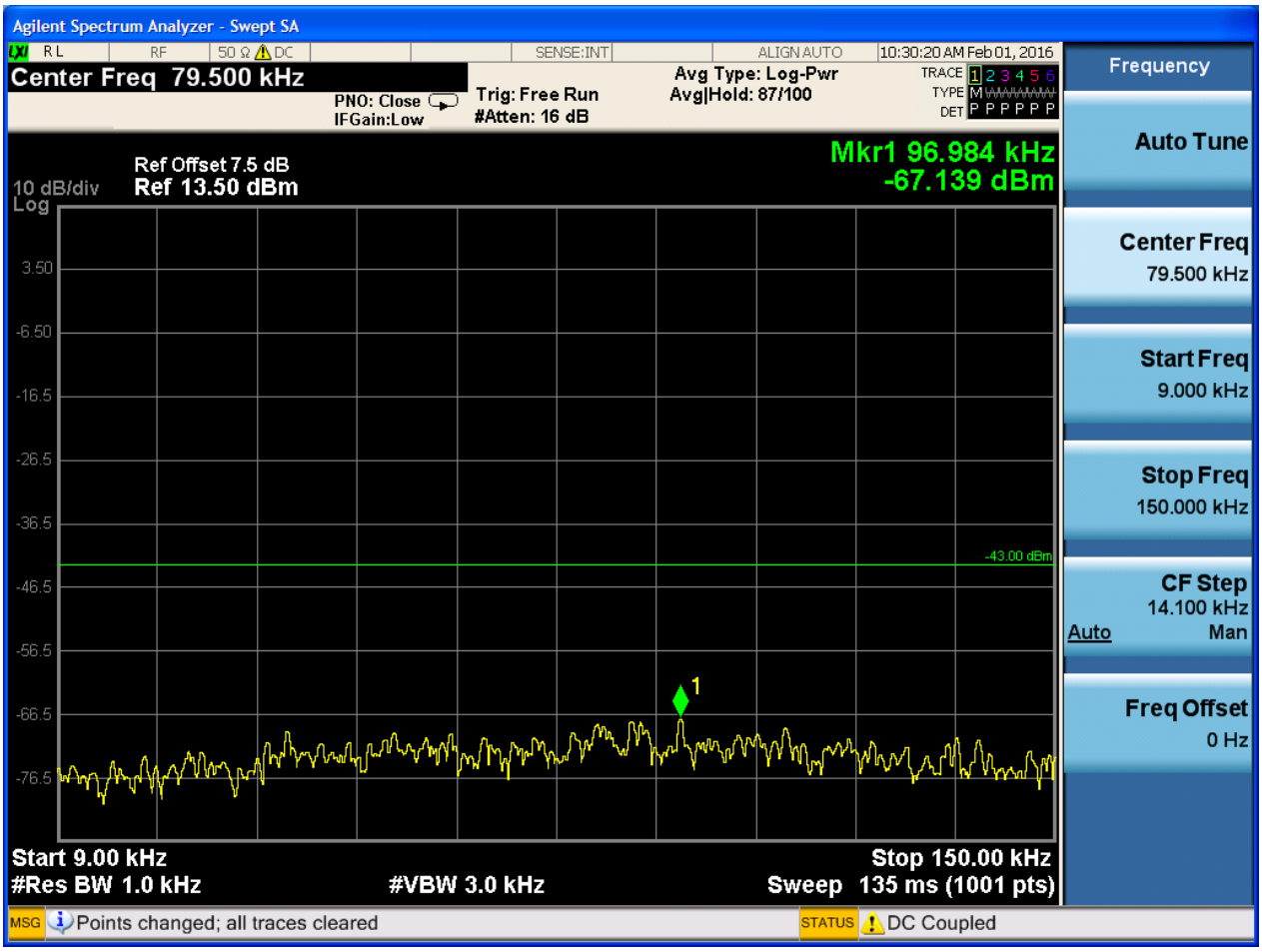


Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

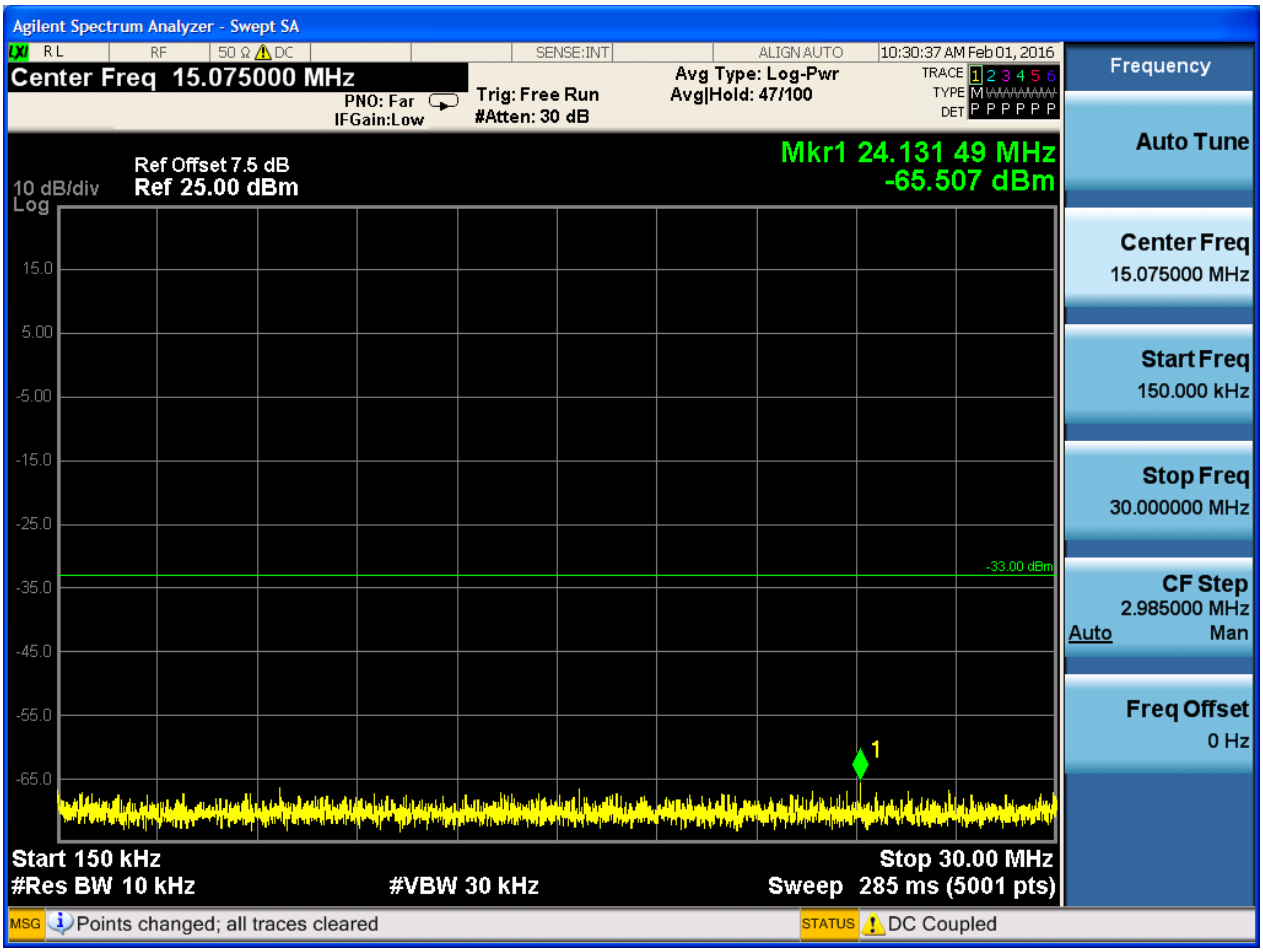

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
10:29:58 AM Feb 01, 2016
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 75/100
TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P P
Ref Offset 7.5 dB
10 dB/div
Log
Ref 25.00 dBm
Mkr1 1.879 7 GHz
25.915 dBm
15.0
5.00
-5.00
-15.0
-25.0
-35.0
-45.0
-55.0
-65.0
-13.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 66.7 ms (40001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz
MSG
Points changed; all traces cleared
STATUS

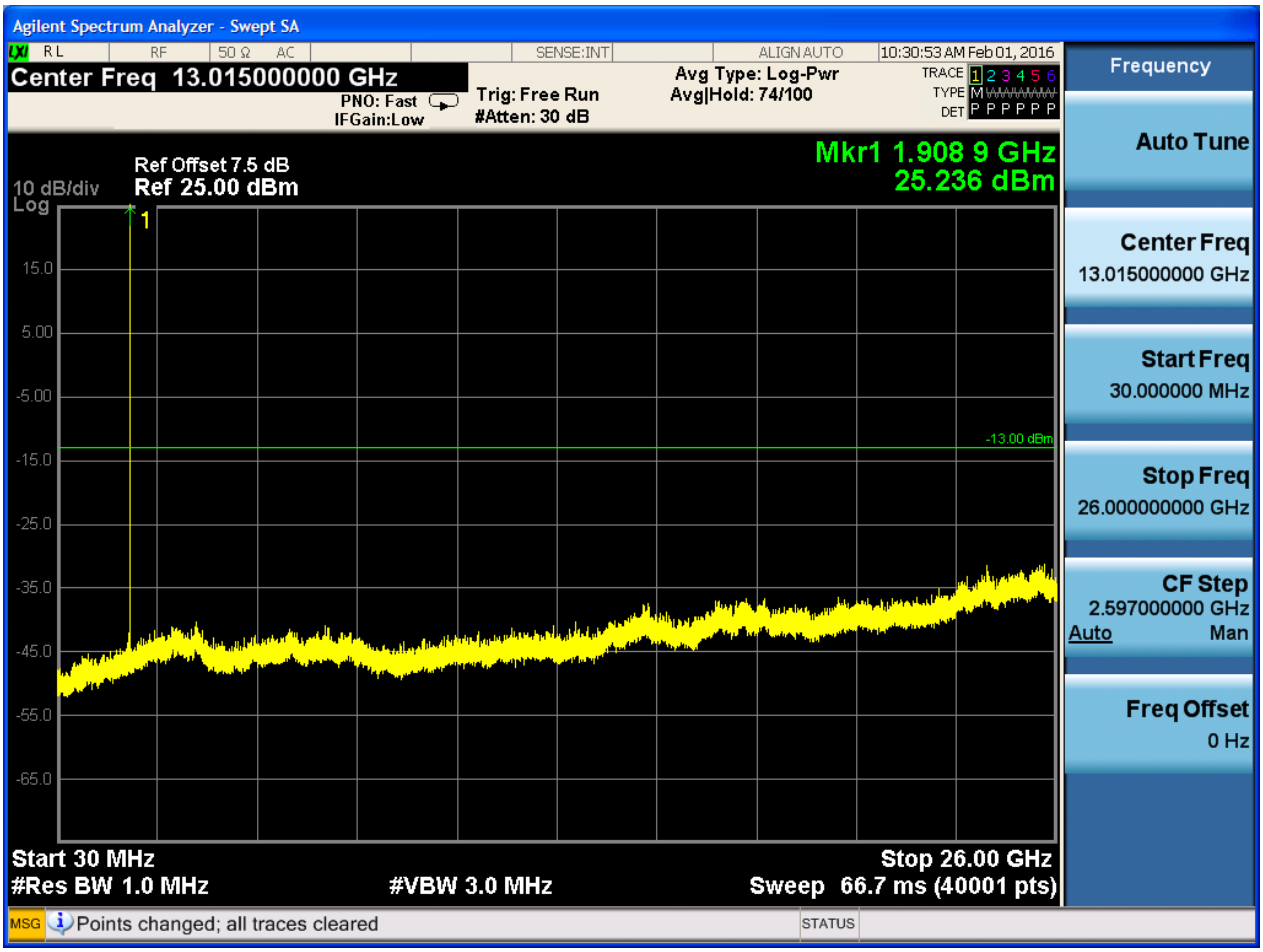
6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



Copyright © Huawei Technologies Co., Ltd.


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Far
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 47/100
10:30:37 AM Feb 01, 2016
Ref Offset 7.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 24.131 49 MHz
-65.507 dBm
-33.00 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 ms (5001 pts)
Points changed; all traces cleared
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz

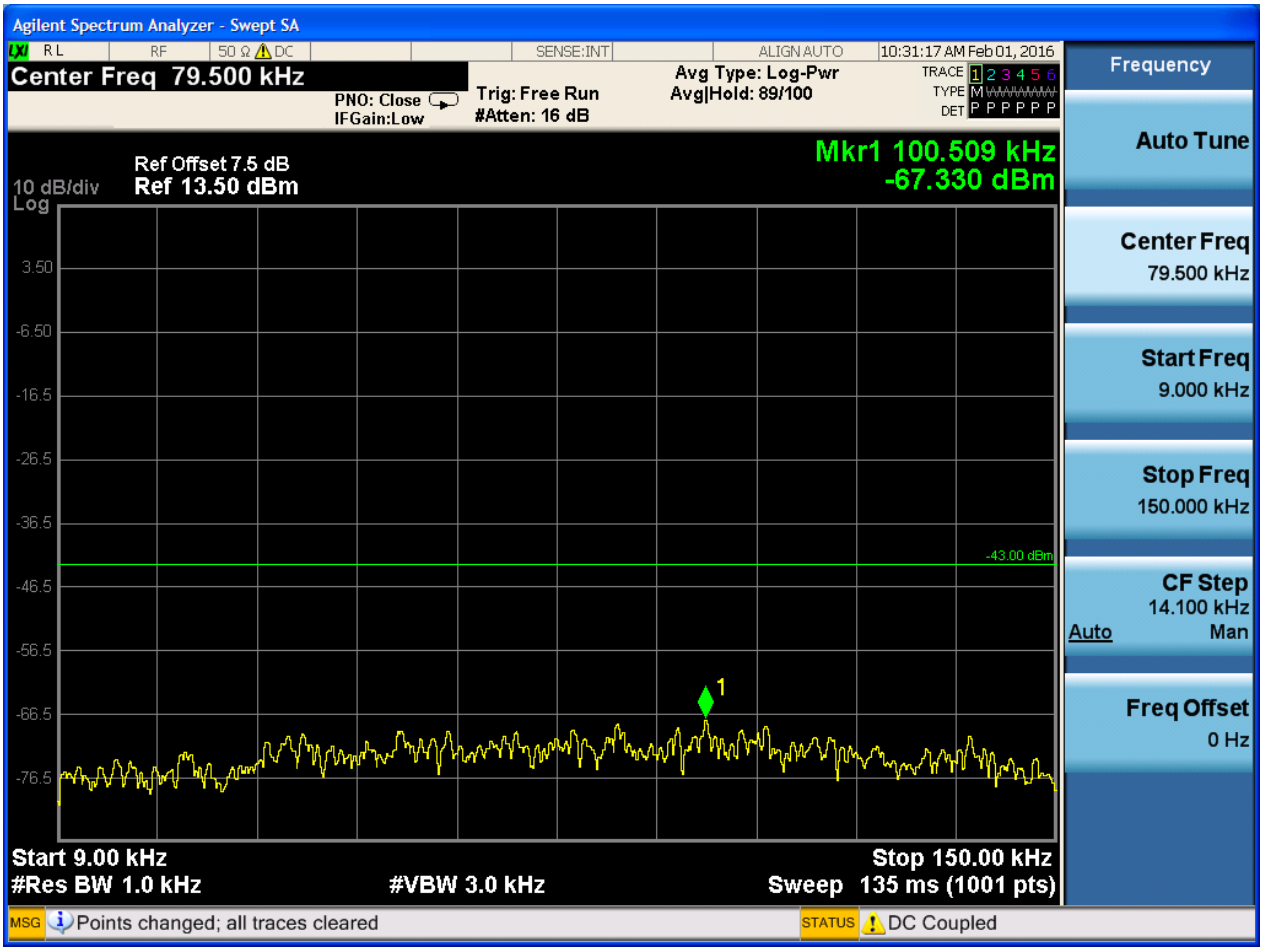


Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

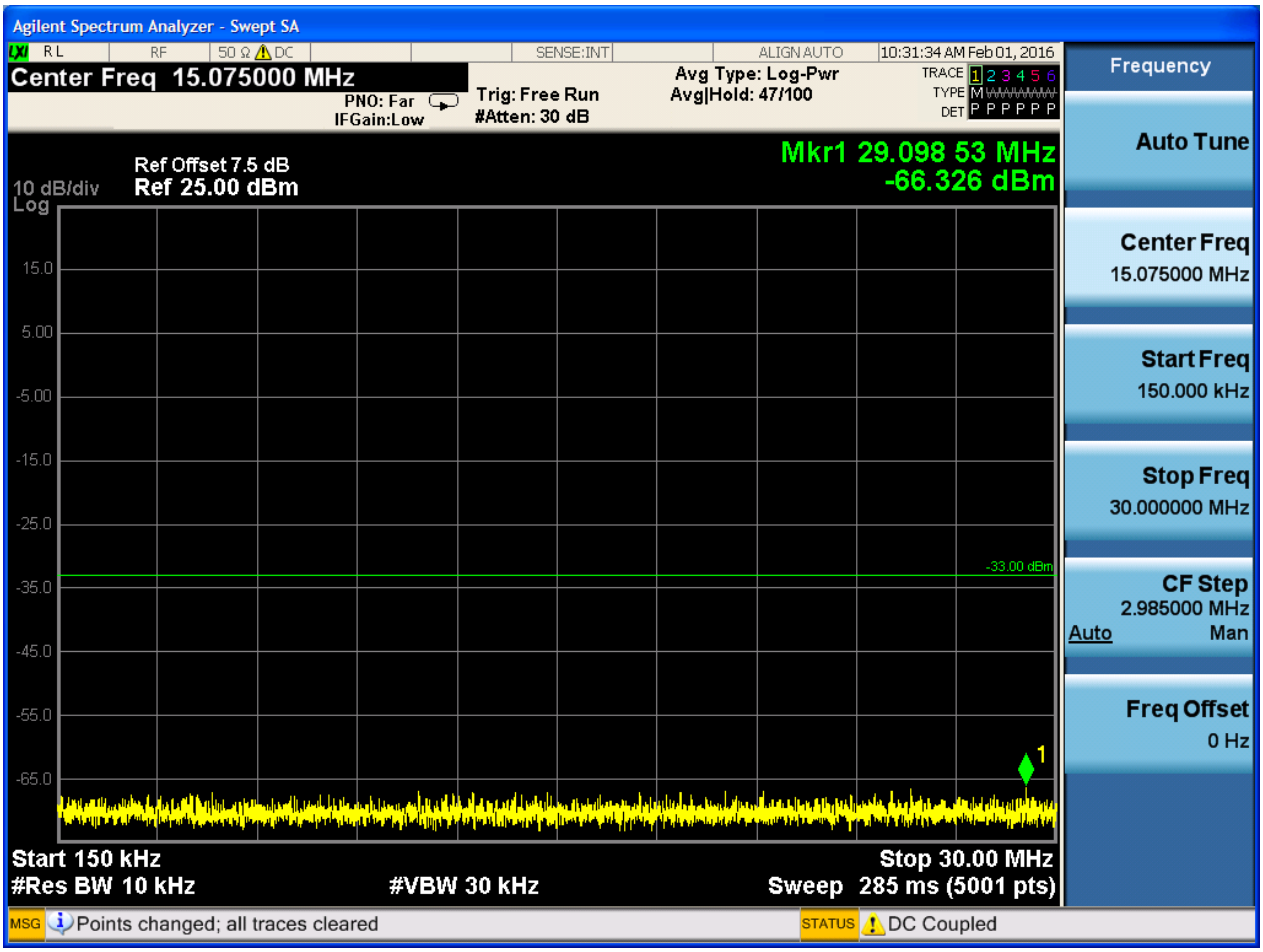
6.1.1.1.2 Test Bandwidth = 3

6.1.1.1.2.1 Test Channel = LCH

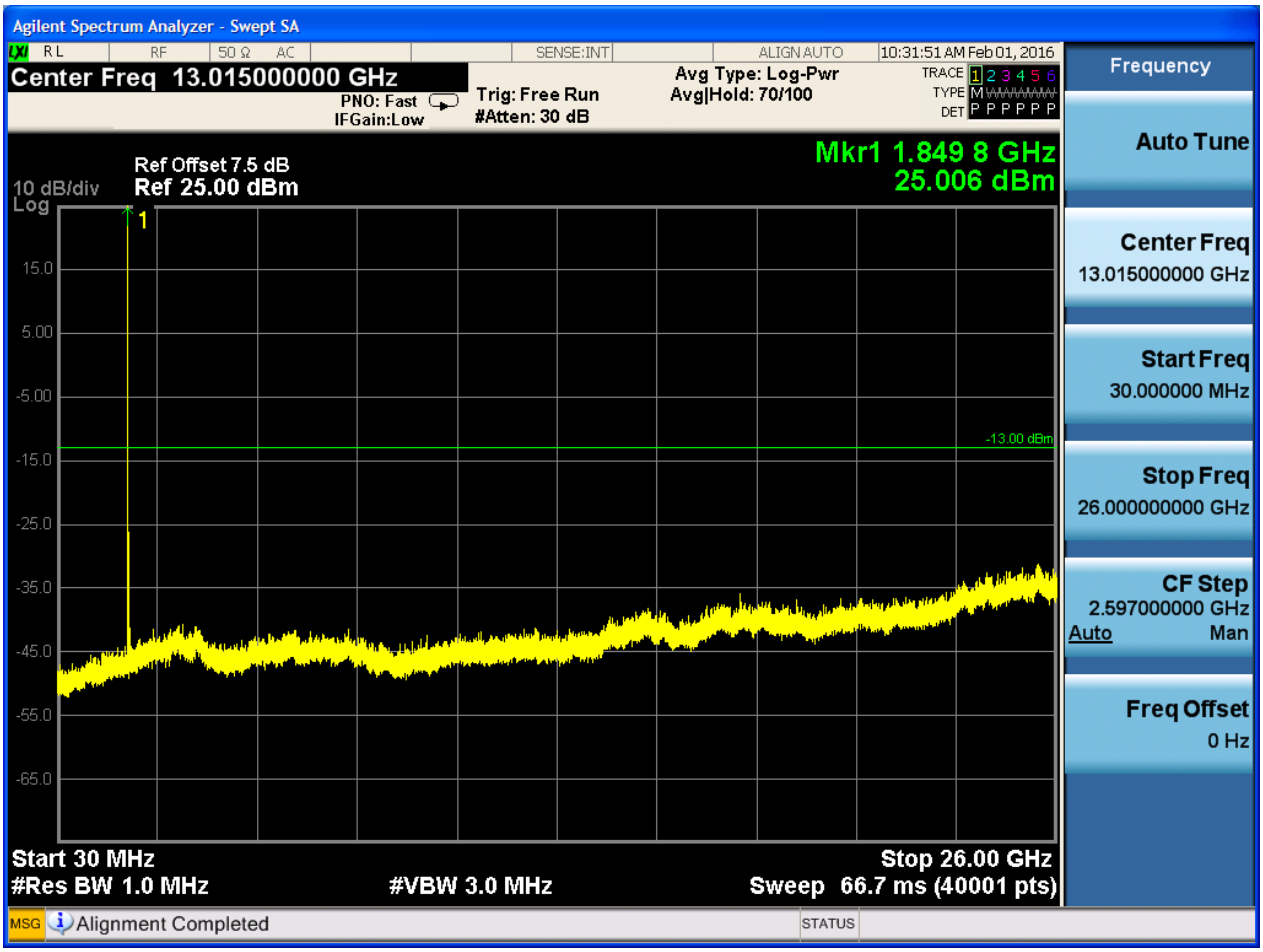
6.1.1.1.2.1.1 Test RB = RB1#0



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.



Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.