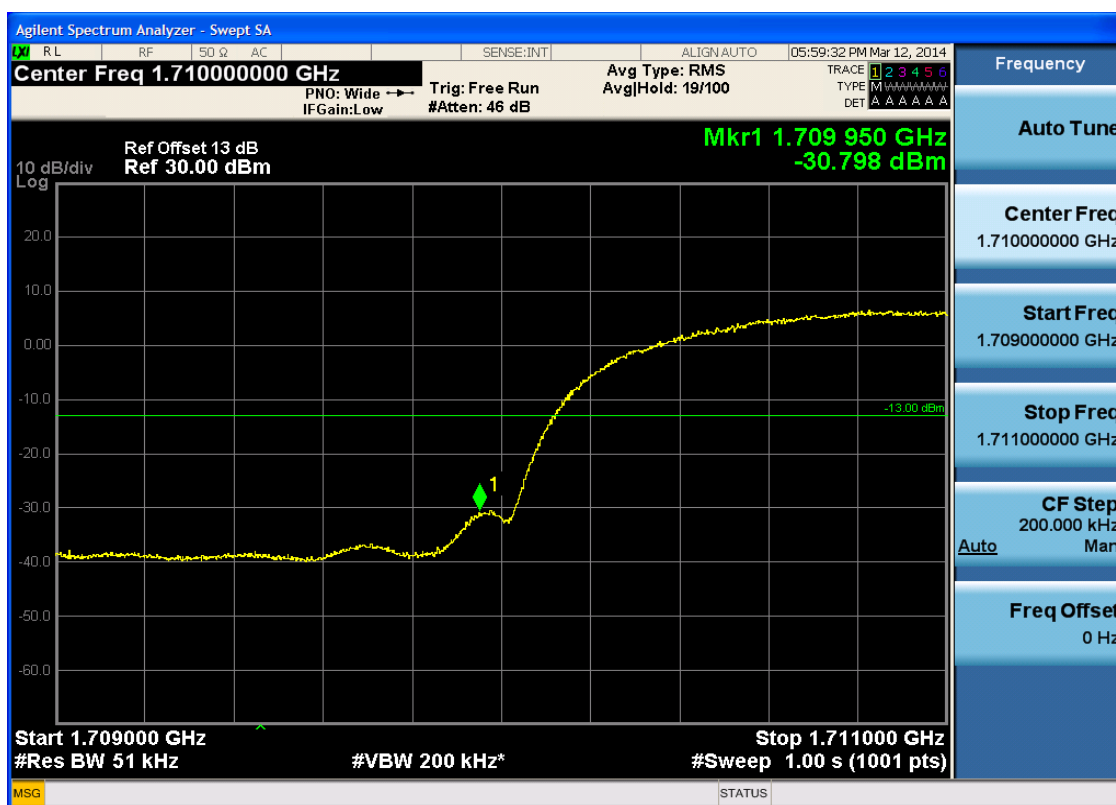


5.2.3 Test Band = WCDMA1700

5.2.3.1 Test Mode = UMTS/TM1

5.2.3.1.1 Test Channel = LCH



5.2.3.1.2 Test Channel = HCH



5.3 For LTE

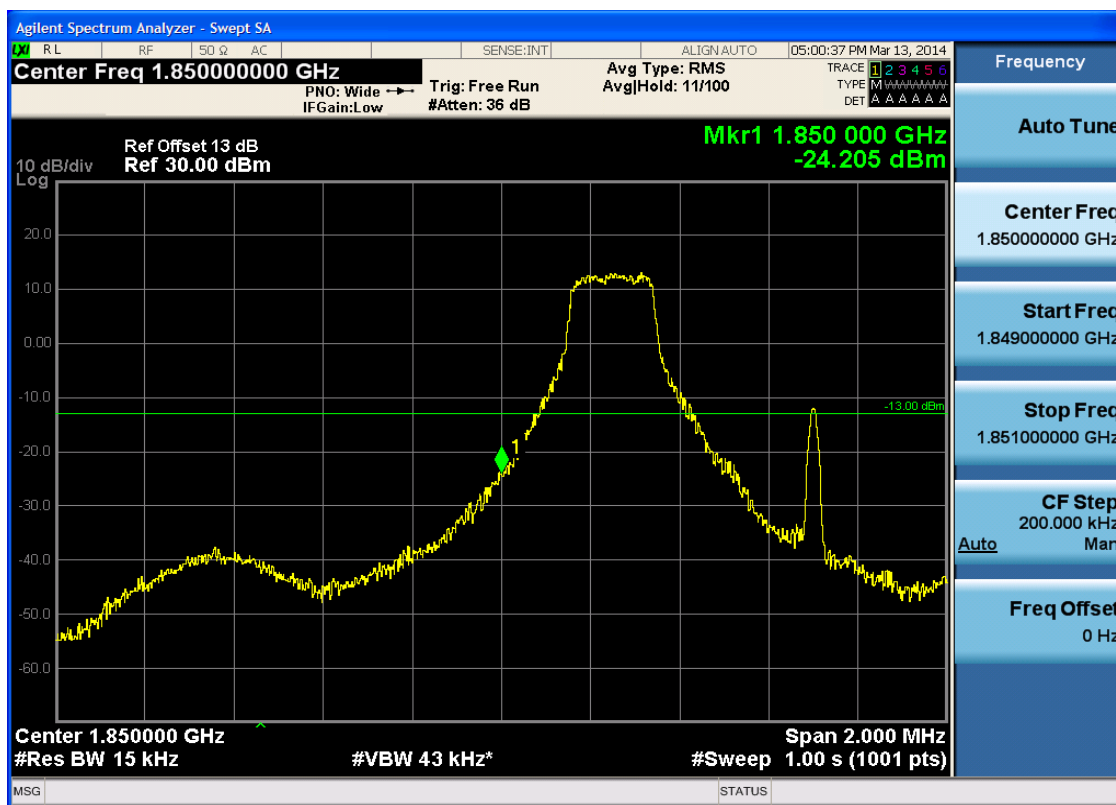
5.3.1 Test Band = BAND2

5.3.1.1 Test Mode = LTE/TM2

5.3.1.1.1 Test Bandwidth = 1.4

5.3.1.1.1.1 Test Channel = LCH

5.3.1.1.1.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.85000000 GHz

PNO: Wide → Trig: Free Run Avg Type: RMS
IFGain: Low #Atten: 36 dB Avg|Hold: 11/100

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 13 dB
Ref 30.00 dBm

Mkr1 1.849 990 GHz
-48.613 dBm

Center 1.850000 GHz
#Res BW 15 kHz #VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

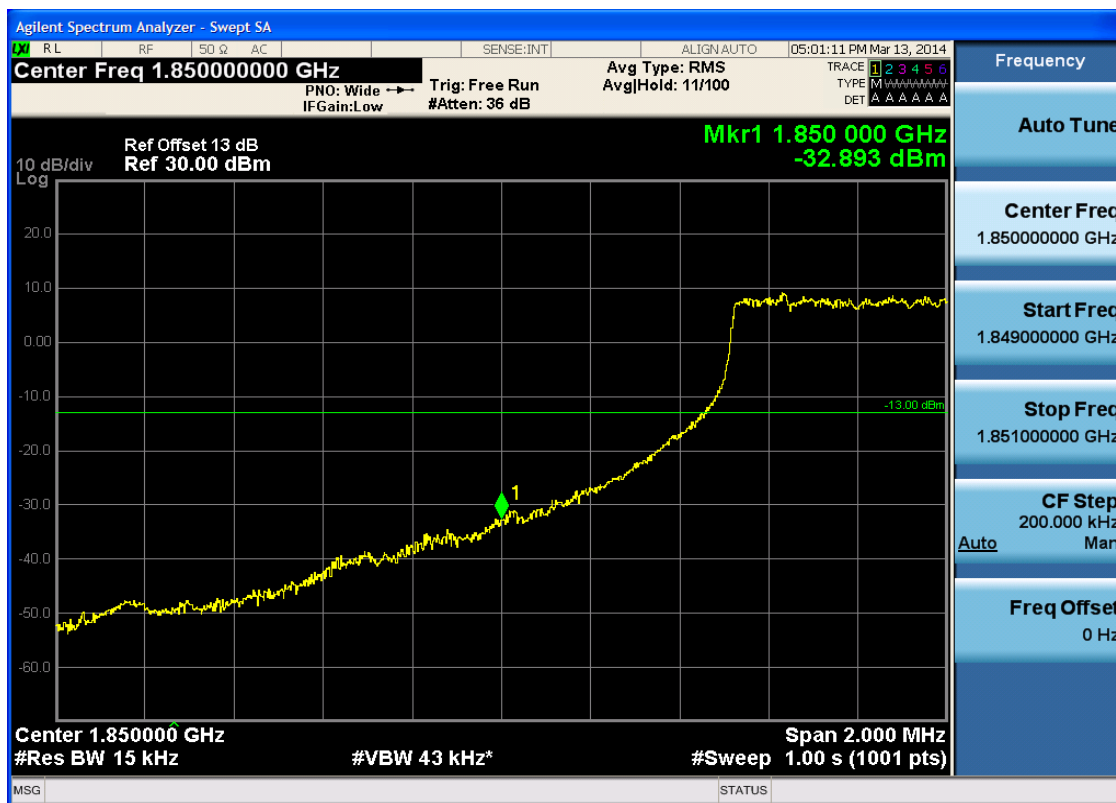
Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

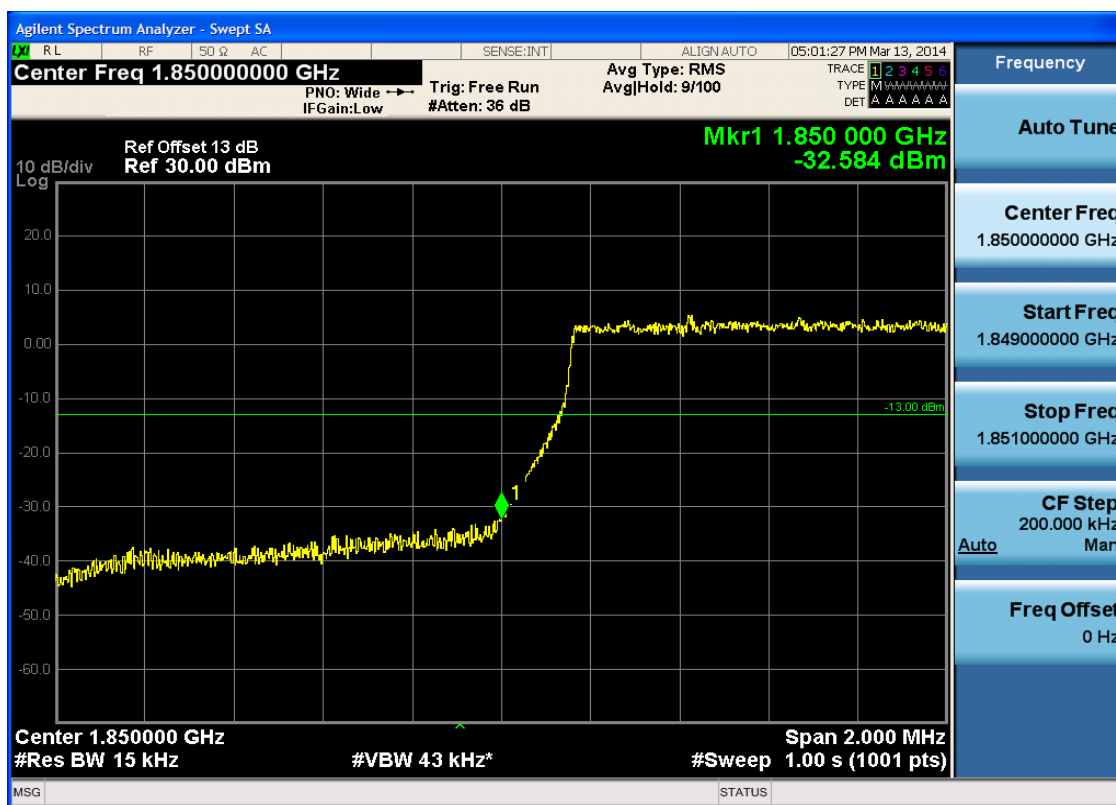


5.3.1.1.1.3 Test RB = RB3#2



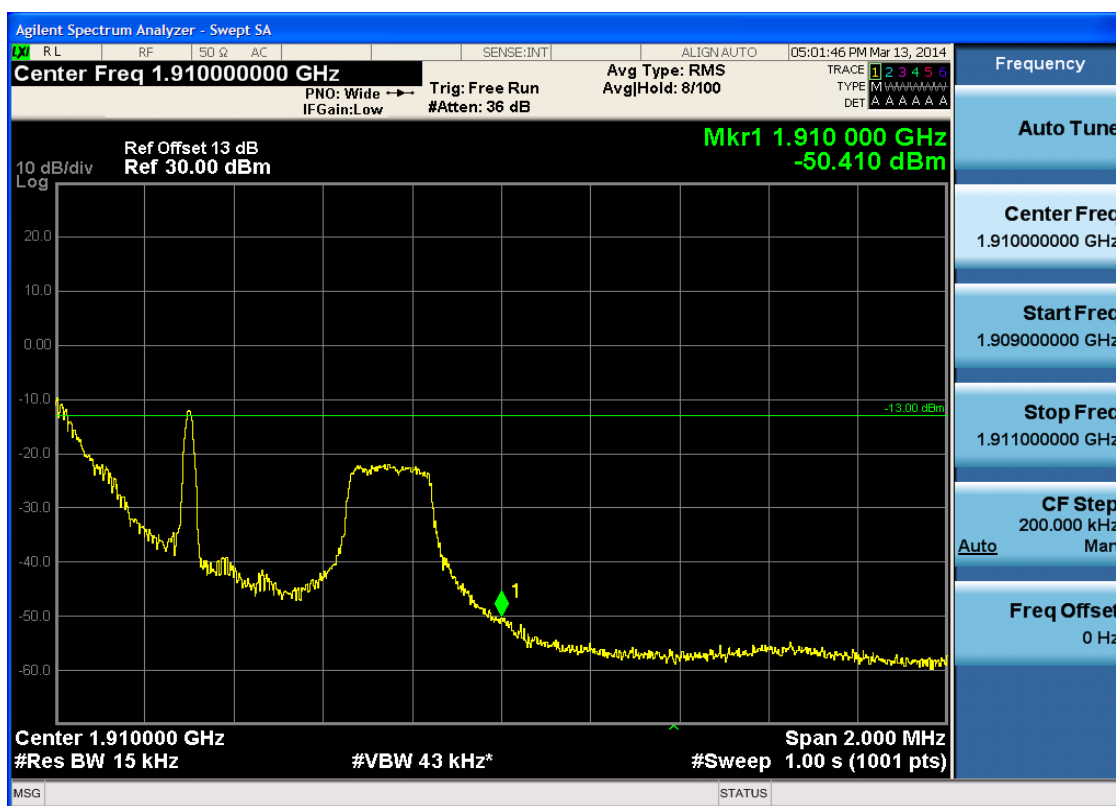


5.3.1.1.1.4 Test RB = RB6#0



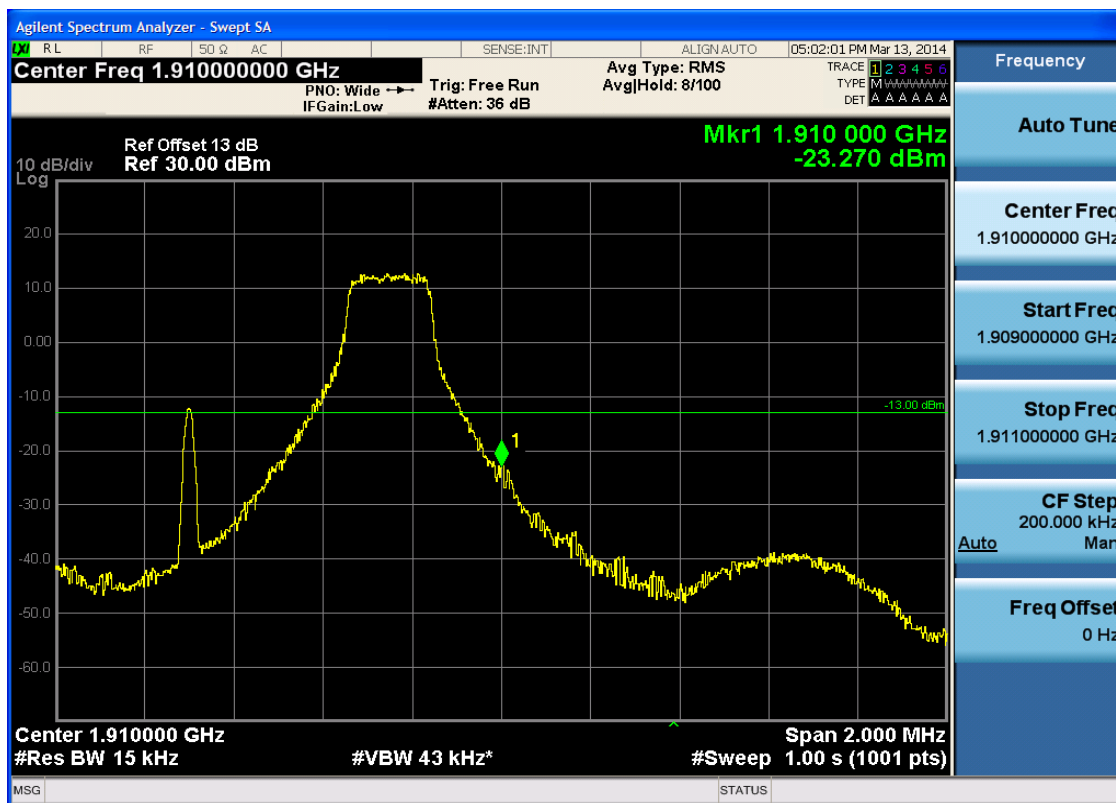
5.3.1.1.1.2 Test Channel = HCH

5.3.1.1.1.2.1 Test RB = RB1#0





5.3.1.1.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:02:15 PM Mar 13, 2014

Center Freq 1.91000000 GHz PNO: Wide Trig: Free Run Avg Type: RMS
IFGain: Low #Atten: 36 dB AvgHold: 8/100

TRACE 1 2 3 4 5 6
TYPE M
DET A A A A A A

Frequency

Auto Tune

Center Freq 1.91000000 GHz

Start Freq 1.90900000 GHz

Stop Freq 1.91100000 GHz

CF Step 200.000 kHz
Auto Mar

Freq Offset 0 Hz

10 dB/div
Log

Ref Offset 13 dB
Ref 30.00 dBm

Mkr1 1.910 010 GHz
-28.756 dBm

-13.00 dBm

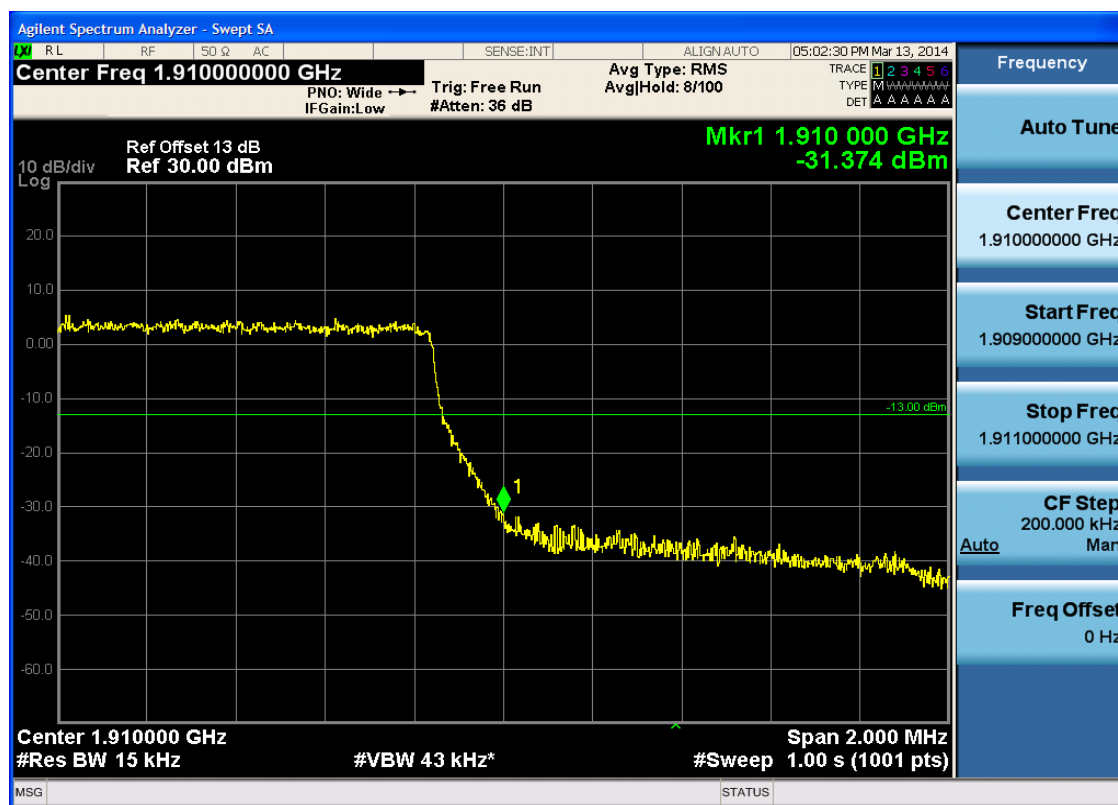
1

Center 1.910000 GHz
#Res BW 15 kHz #VBW 43 kHz* Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG STATUS



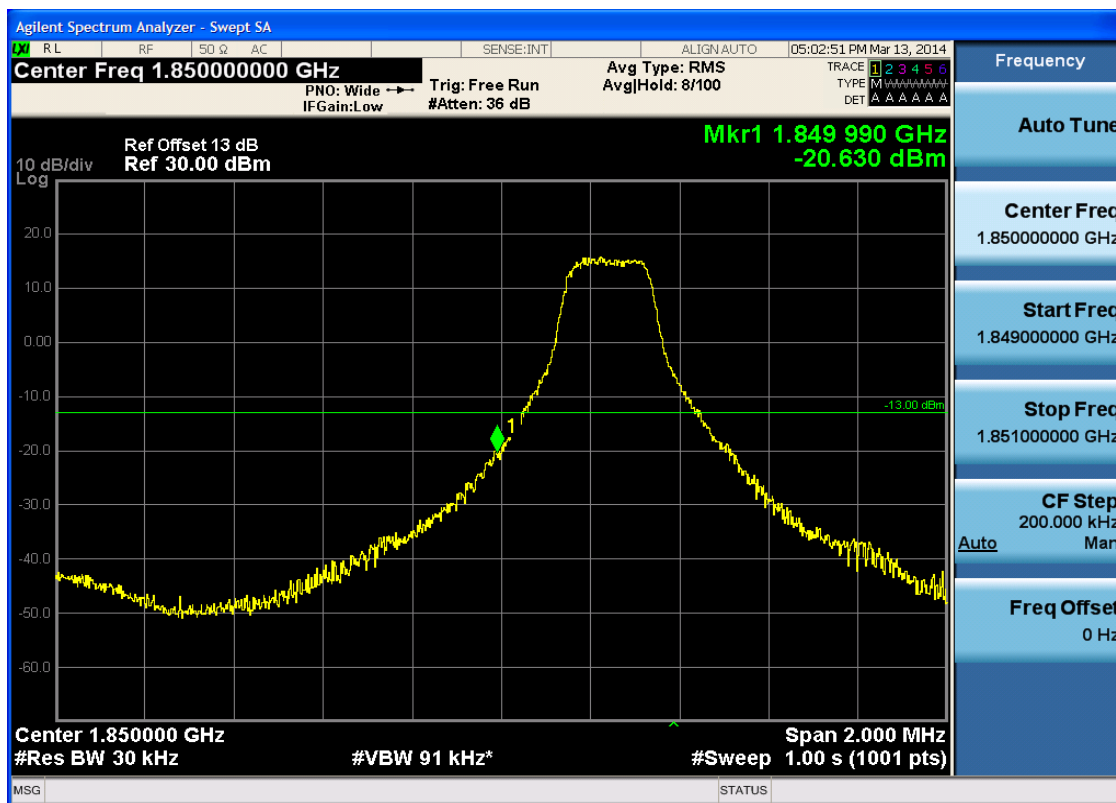
5.3.1.1.2.4 Test RB = RB6#0



5.3.1.1.2 Test Bandwidth = 3

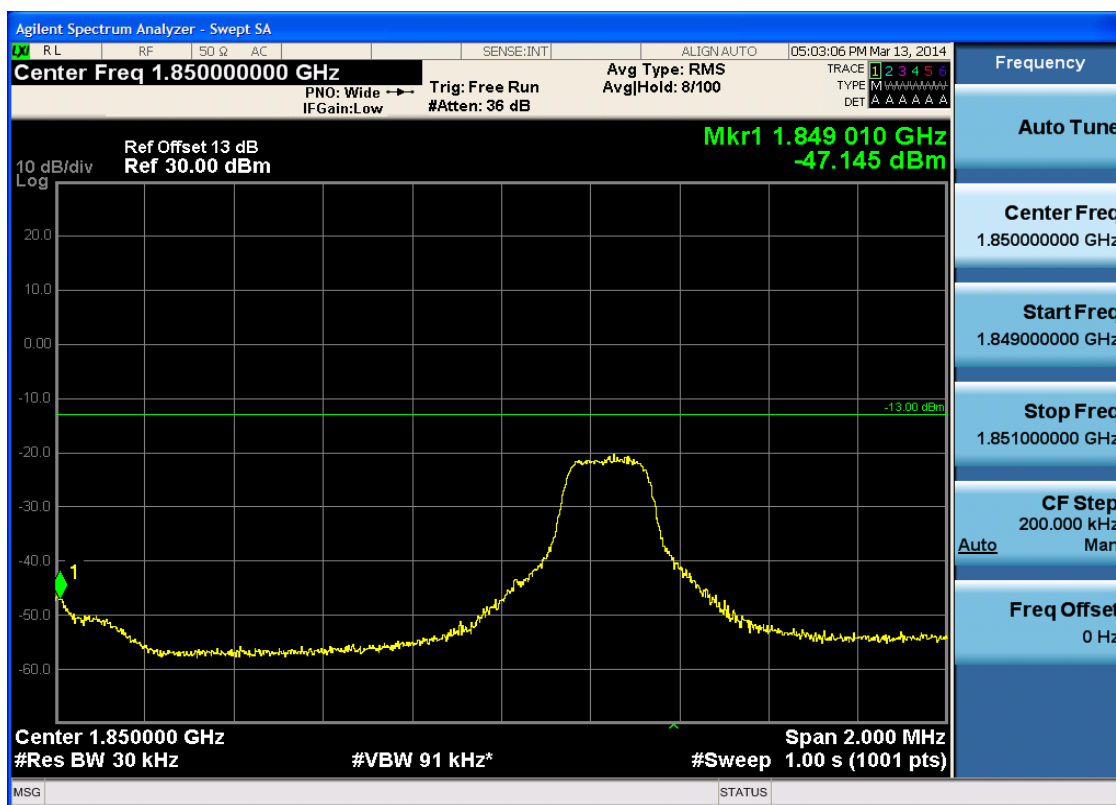
5.3.1.1.2.1 Test Channel = LCH

5.3.1.1.2.1.1 Test RB = RB1#0



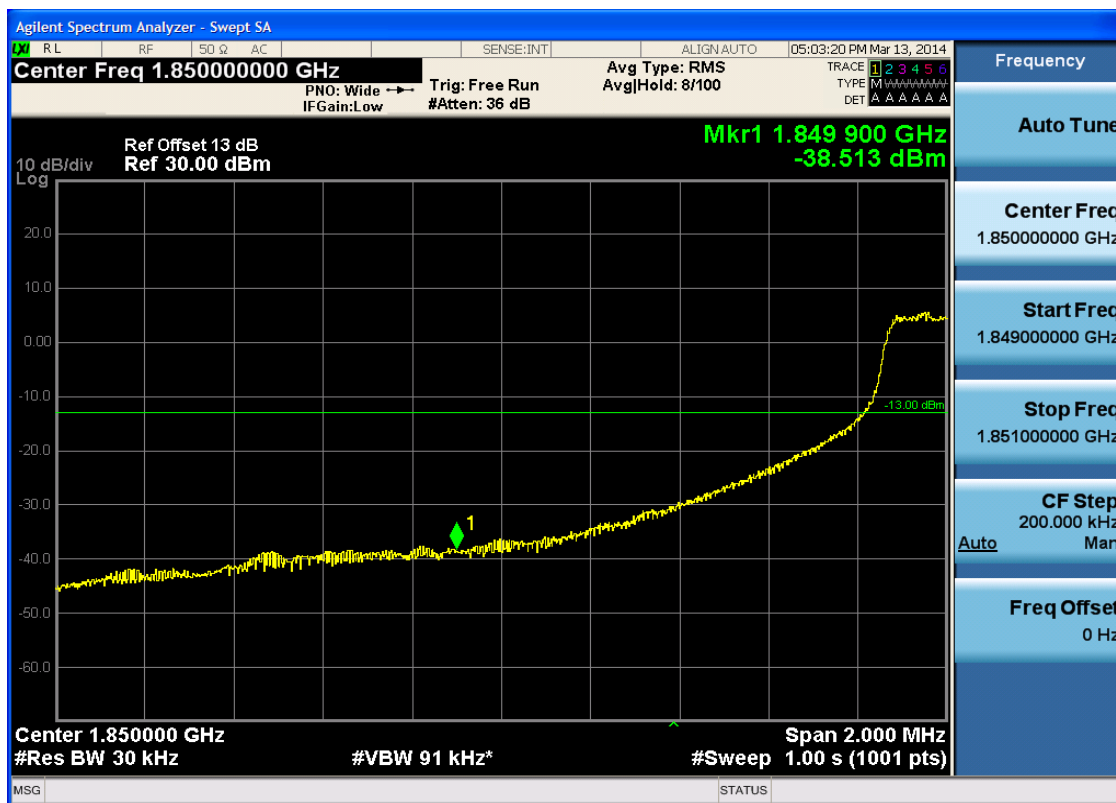


5.3.1.1.2.1.2 Test RB = RB1#14



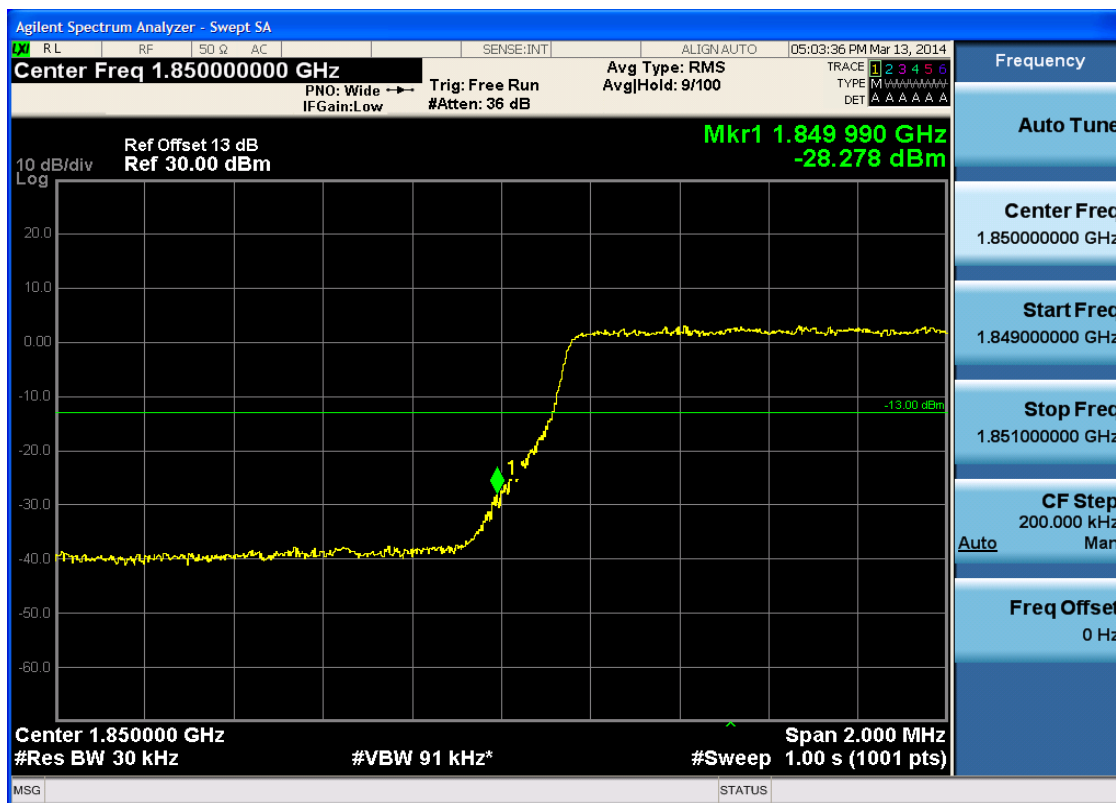


5.3.1.1.2.1.3 Test RB = RB8#4



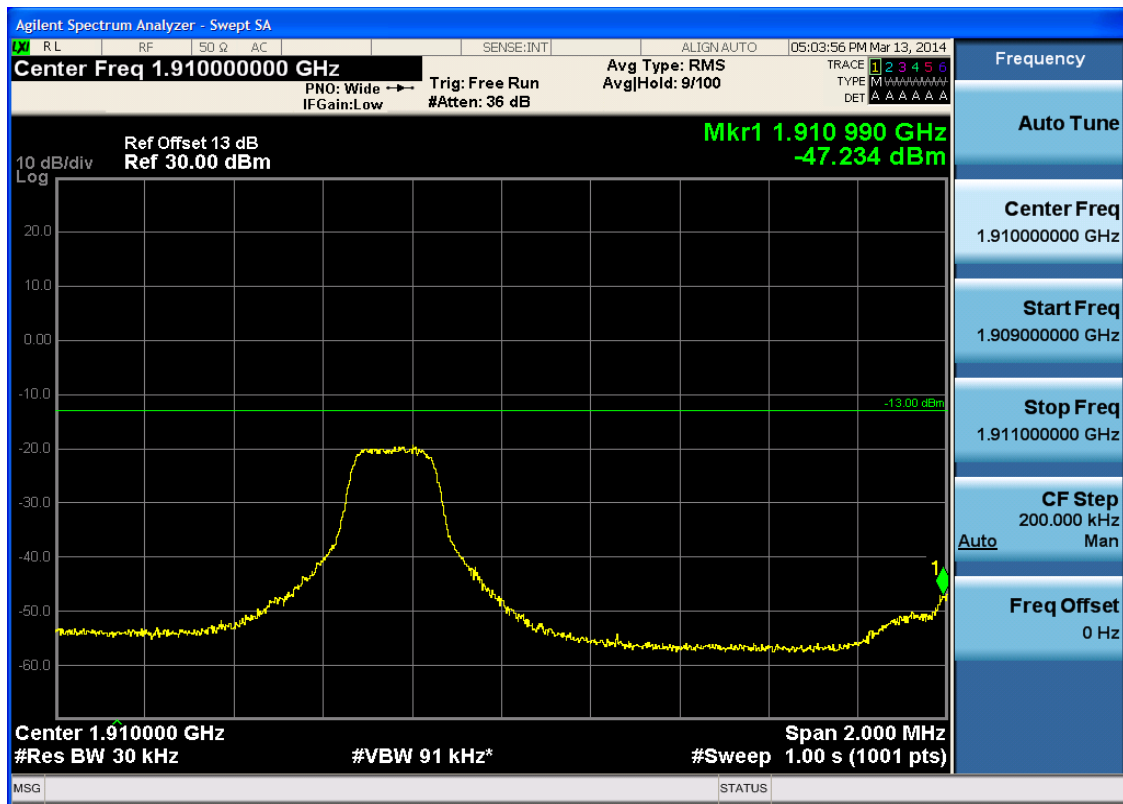


5.3.1.1.2.1.4 Test RB = RB15#0



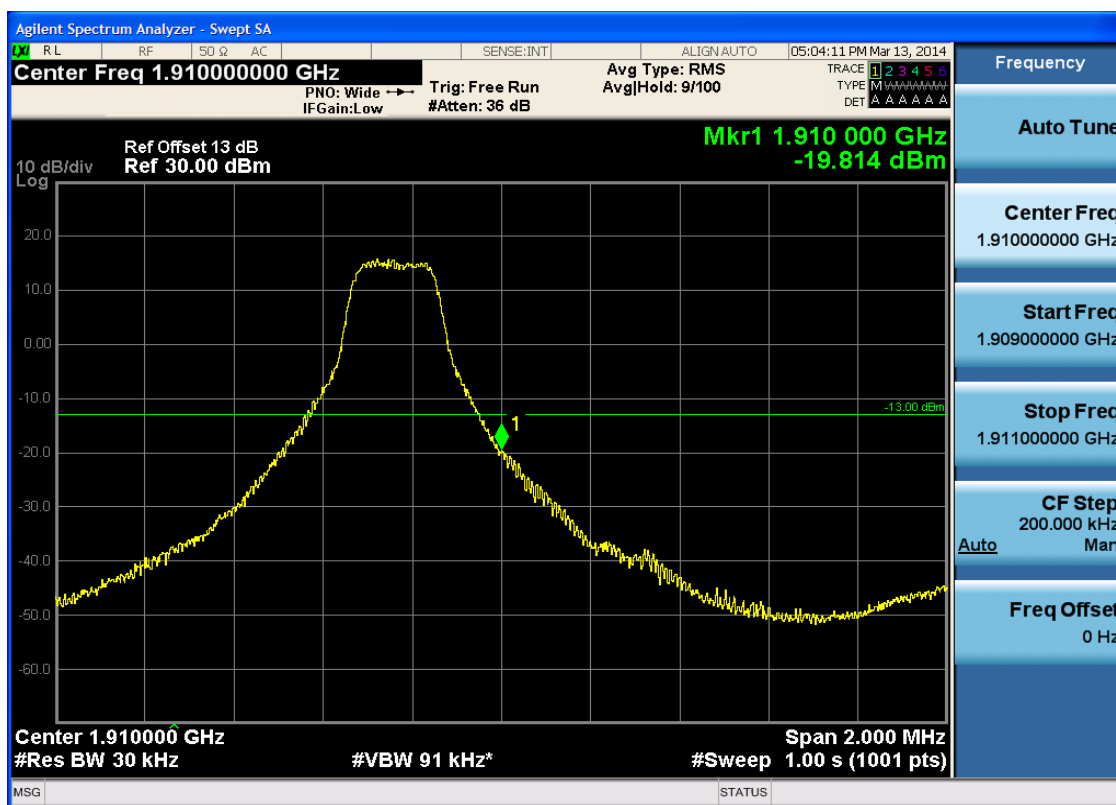
5.3.1.1.2.2 Test Channel = HCH

5.3.1.1.2.2.1 Test RB = RB1#0



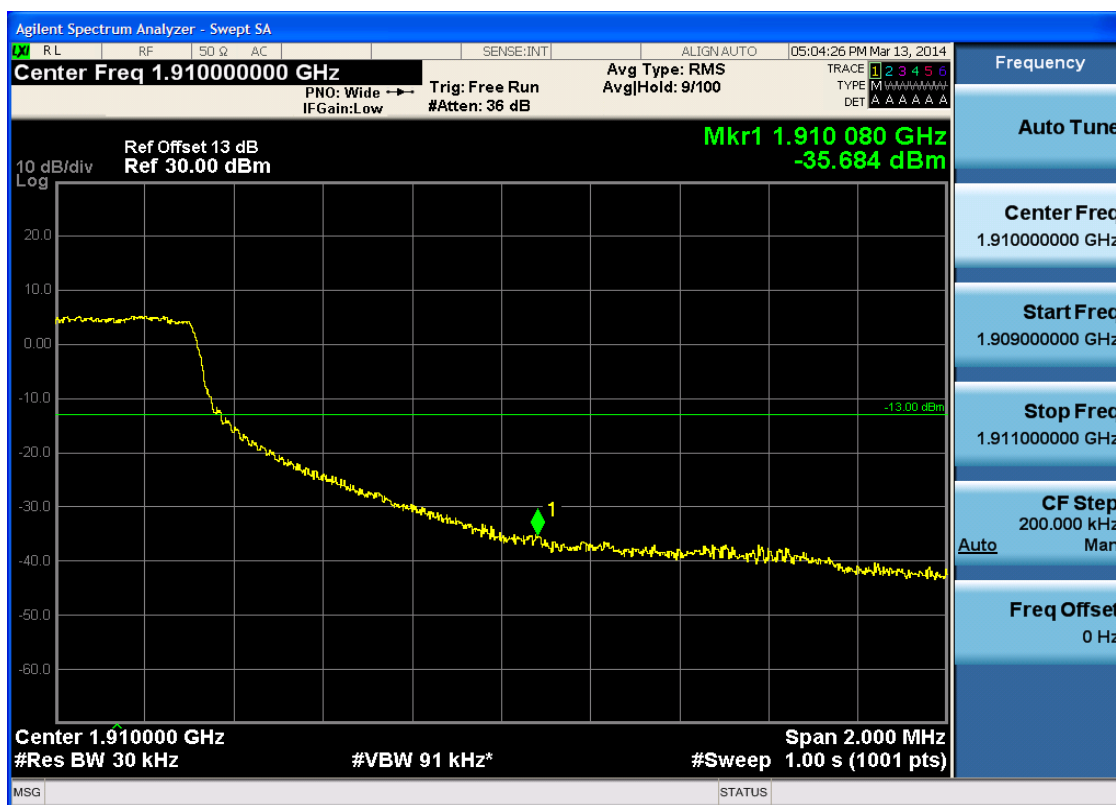


5.3.1.1.2.2.2 Test RB = RB1#14





5.3.1.1.2.3 Test RB = RB8#4





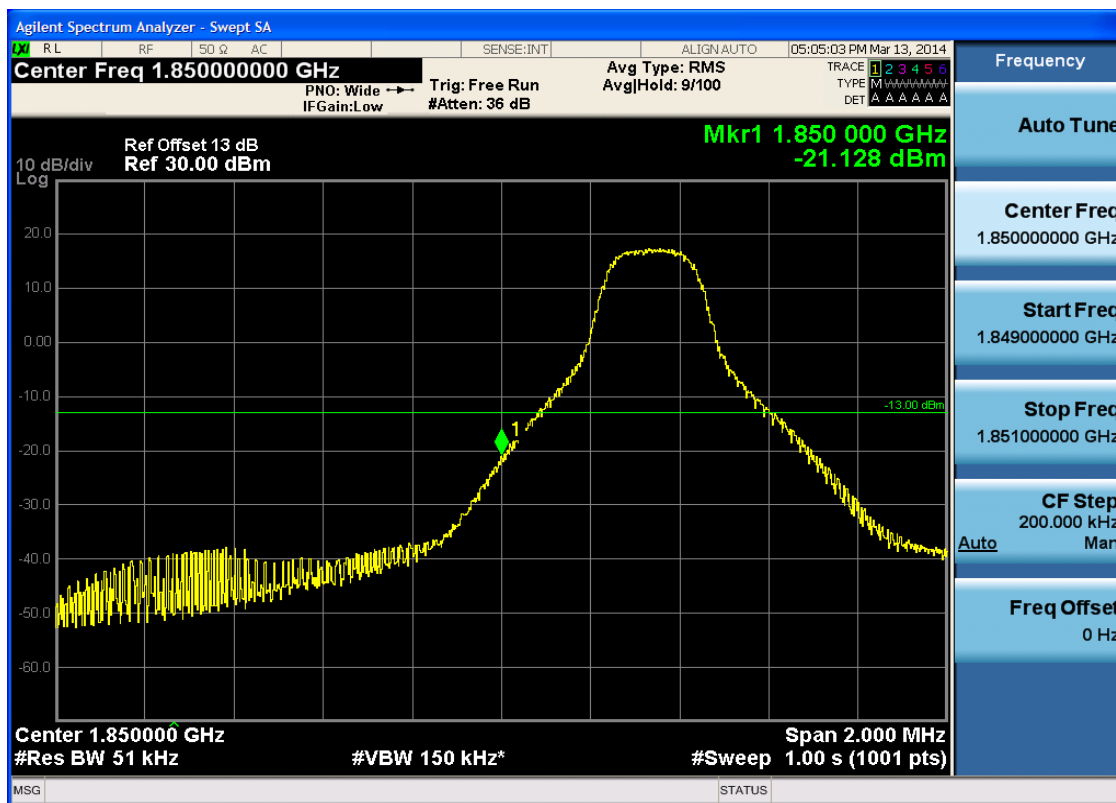
5.3.1.1.2.2.4 Test RB = RB15#0



5.3.1.1.3 Test Bandwidth = 5

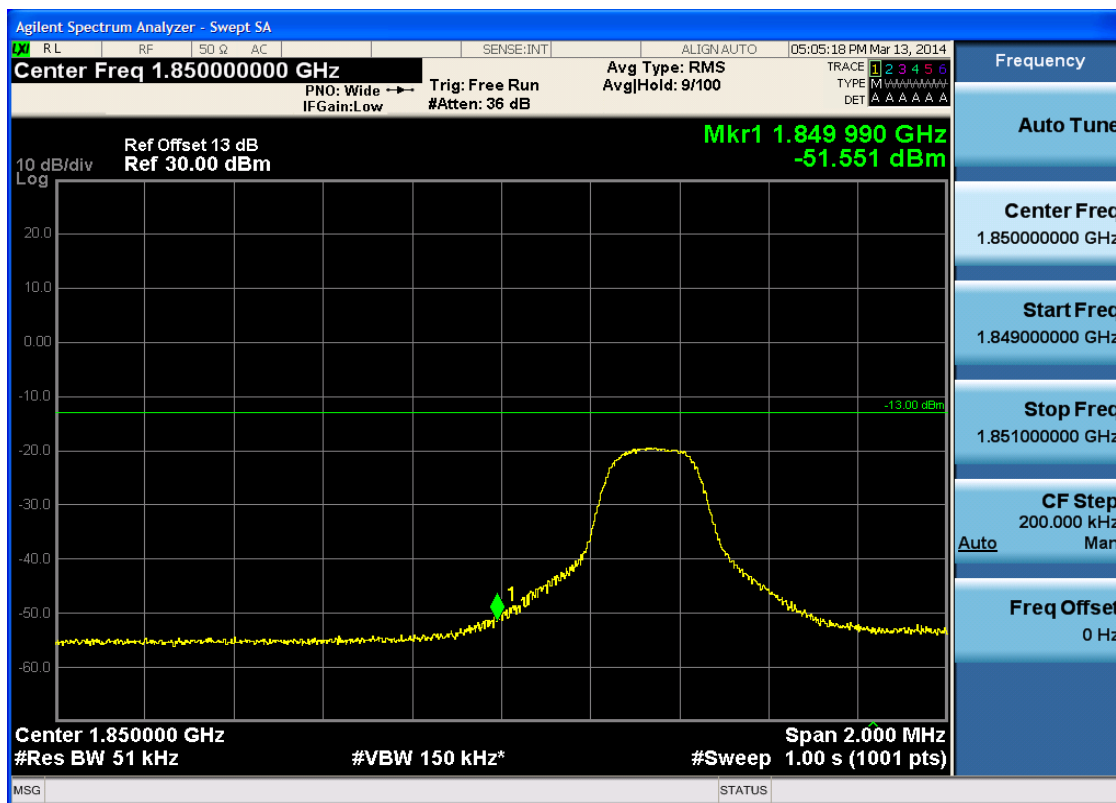
5.3.1.1.3.1 Test Channel = LCH

5.3.1.1.3.1.1 Test RB = RB1#0



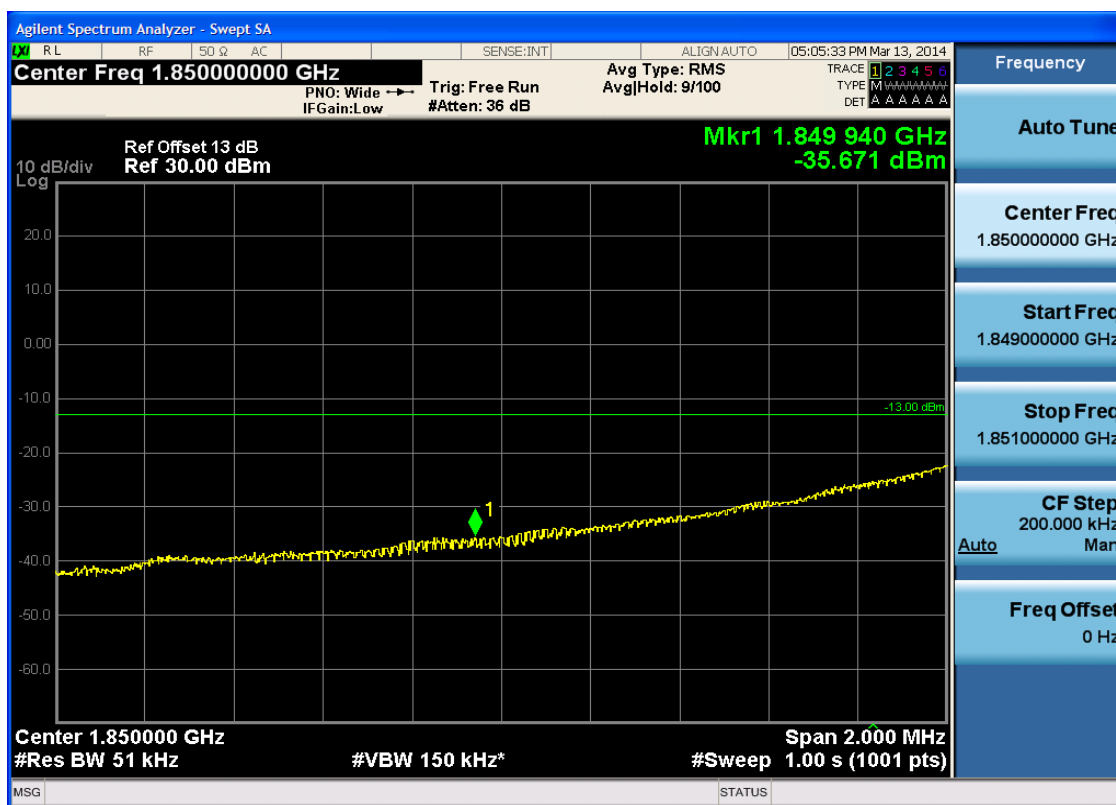


5.3.1.1.3.1.2 Test RB = RB1#24

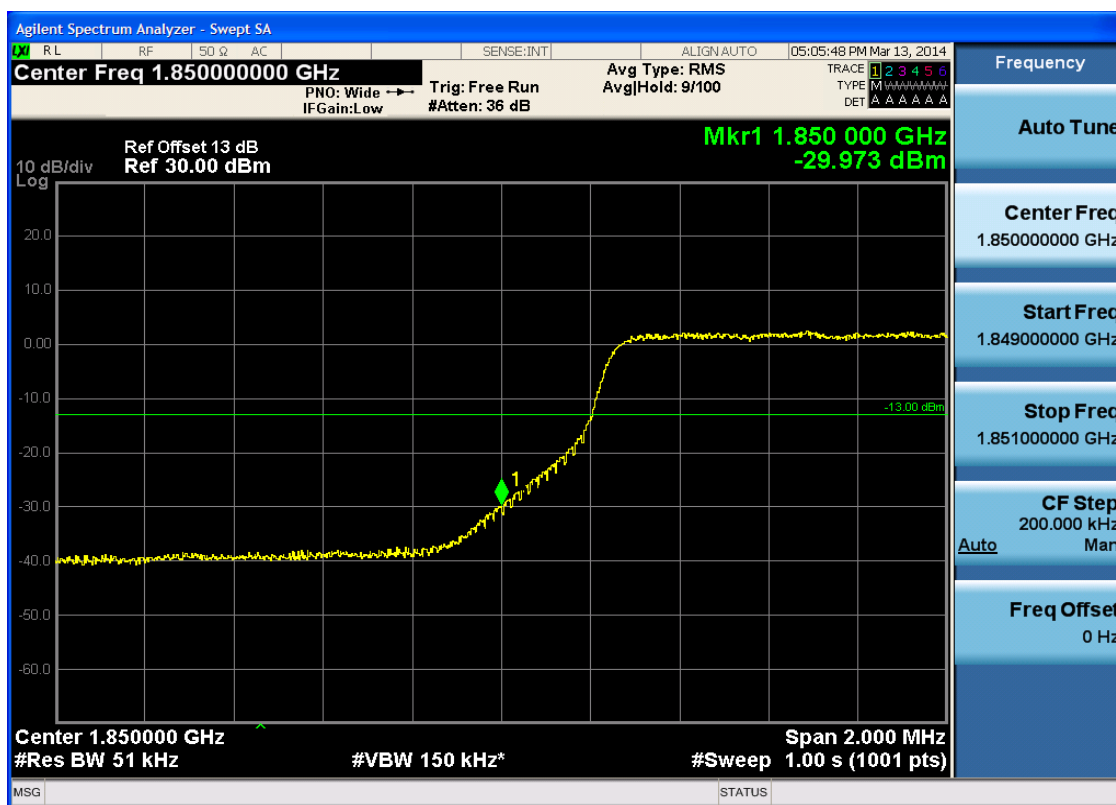




5.3.1.1.3.1.3 Test RB = RB12#6



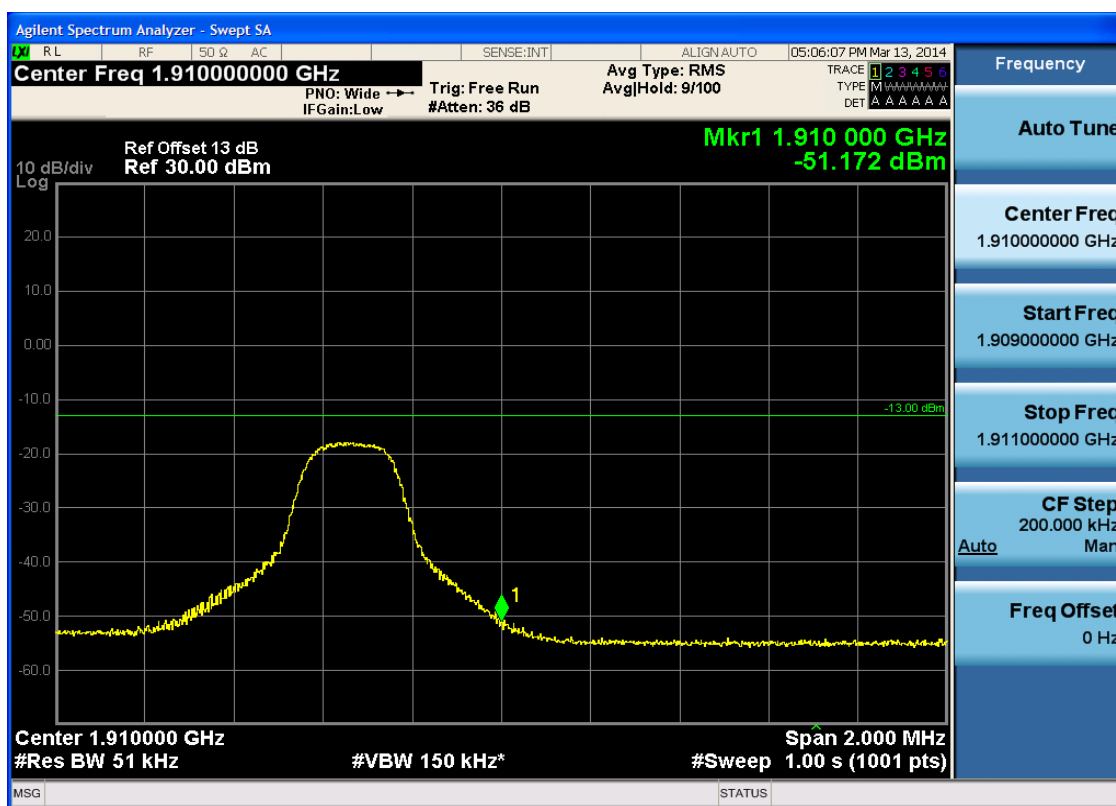
5.3.1.1.3.1.4 Test RB = RB25#0





5.3.1.1.3.2 Test Channel = HCH

5.3.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 13 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-24.409 dBm

Center 1.910000 GHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.90900000 GHz

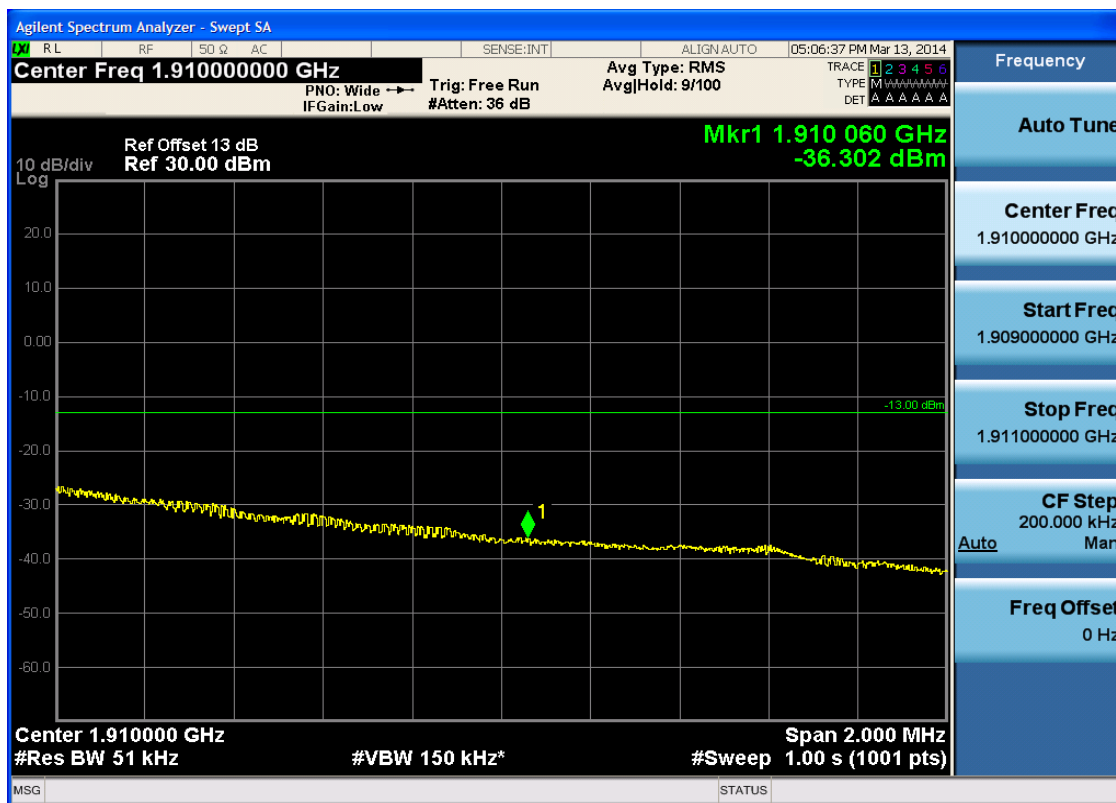
Stop Freq
1.91100000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.3.1.1.3.2.3 Test RB = RB12#6



5.3.1.1.3.2.4 Test RB = RB25#0

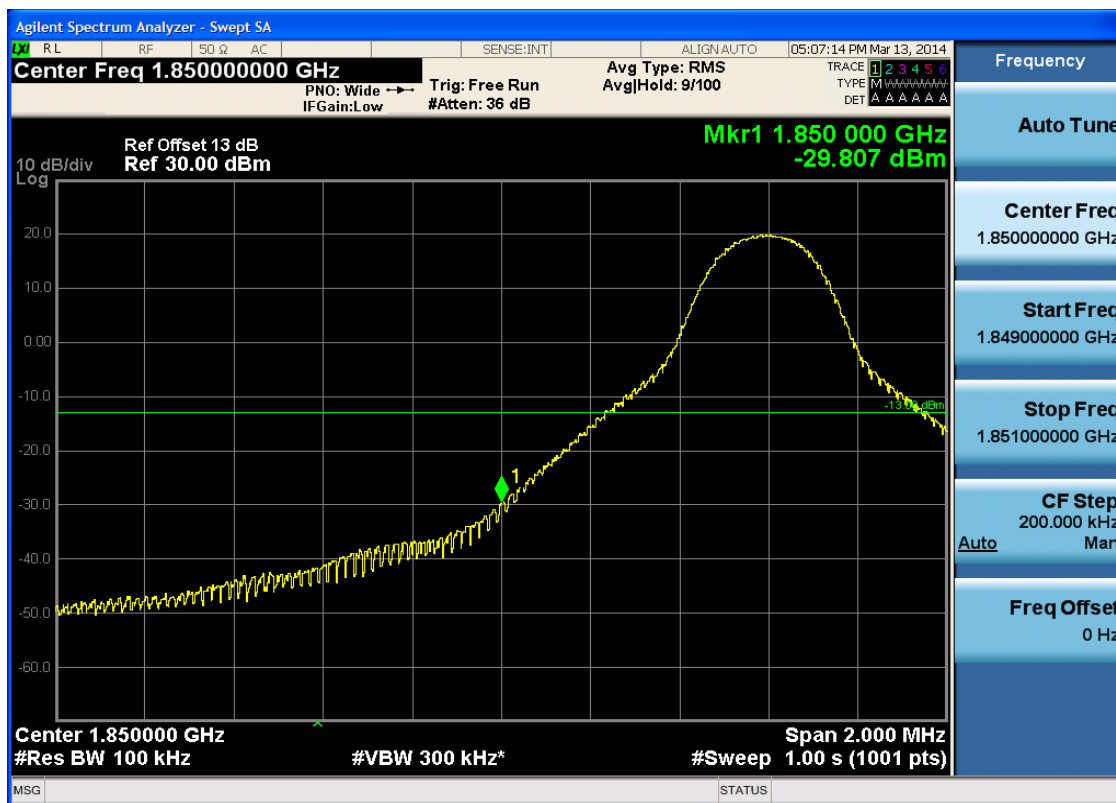




5.3.1.1.4 Test Bandwidth = 10

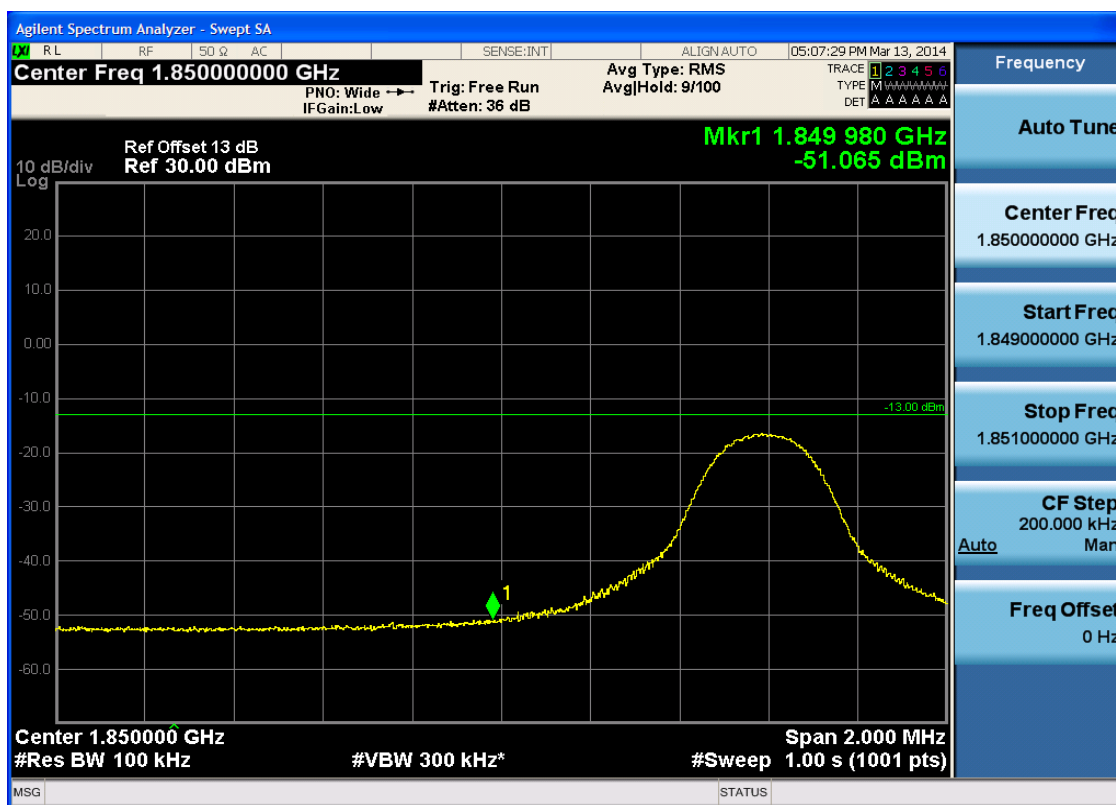
5.3.1.1.4.1 Test Channel = LCH

5.3.1.1.4.1.1 Test RB = RB1#0



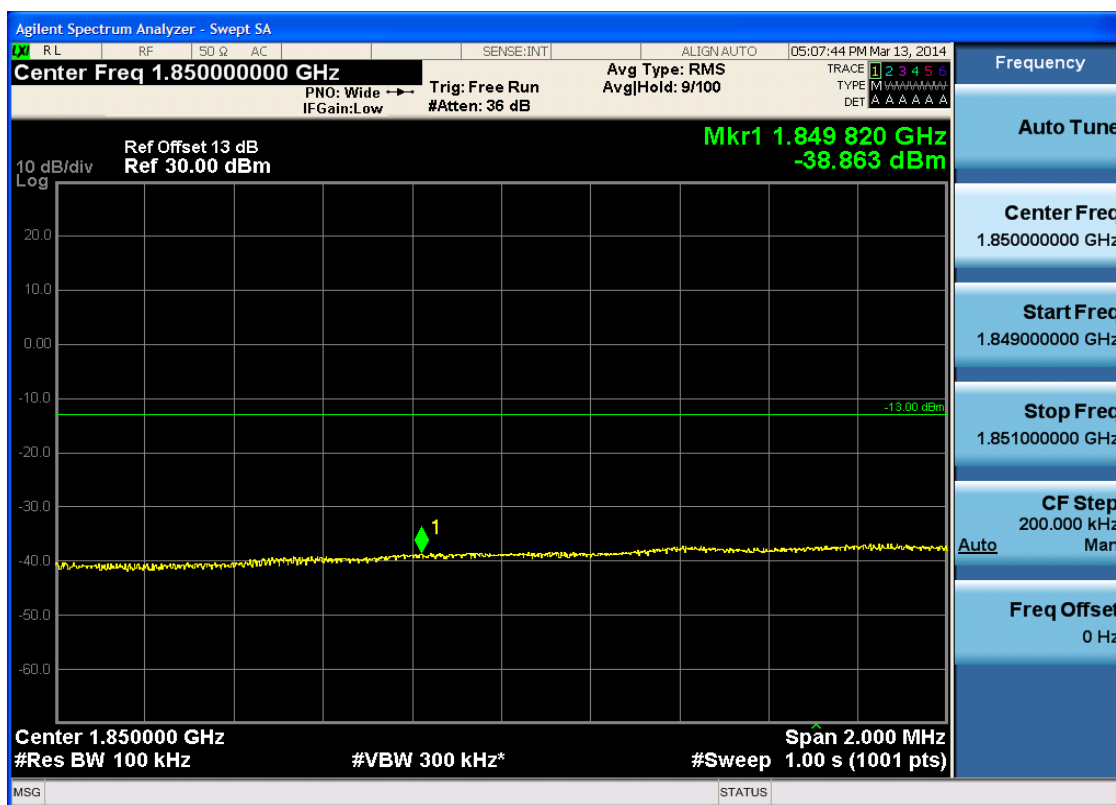


5.3.1.1.4.1.2 Test RB = RB1#49

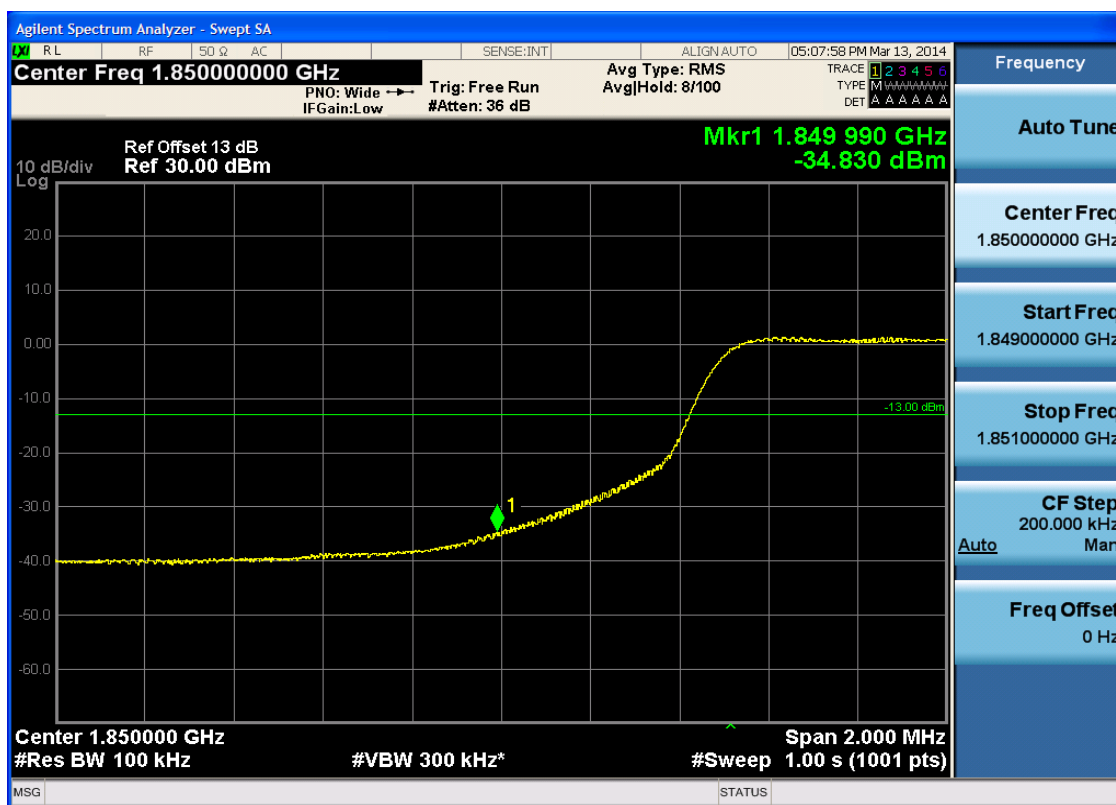




5.3.1.1.4.1.3 Test RB = RB25#13



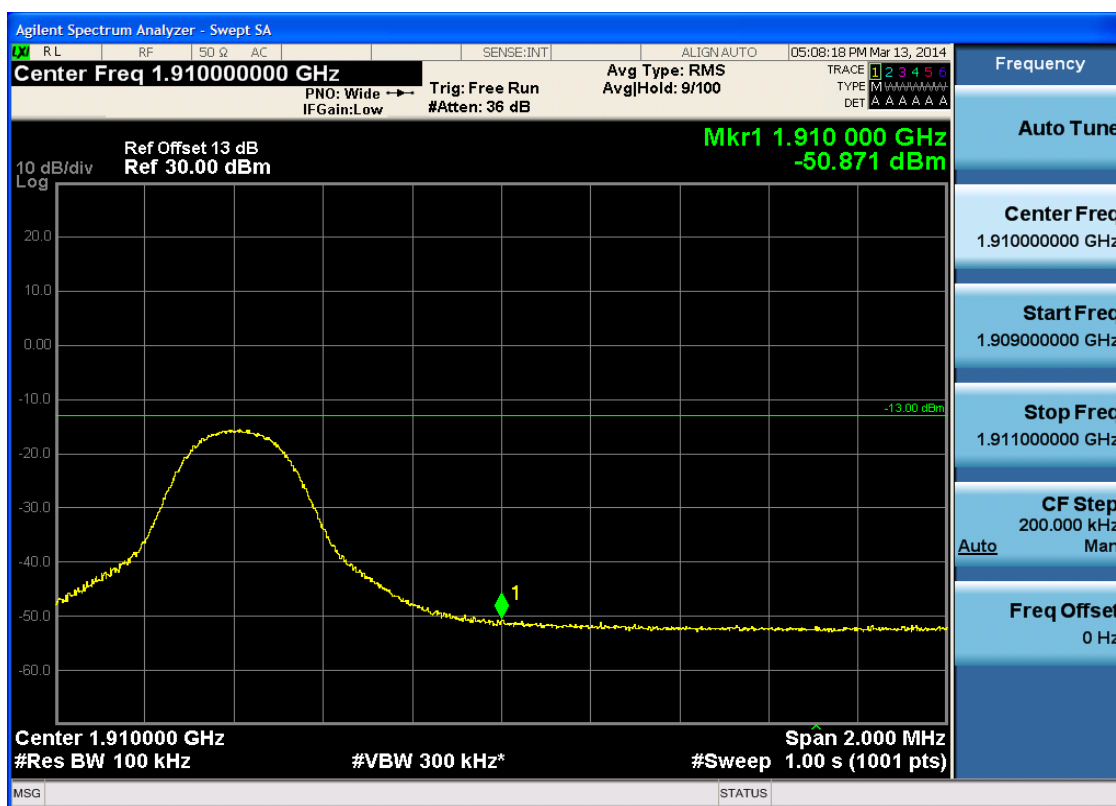
5.3.1.1.4.1.4 Test RB = RB50#0





5.3.1.1.4.2 Test Channel = HCH

5.3.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 05:08:33 PM Mar 13, 2014

Center Freq 1.91000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run AvgHold: 9/100
IFGain:Low #Atten: 36 dB TYPE M DET A A A A A

Ref Offset 13 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-31.824 dBm

10 dB/div
Log

20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

1

Center 1.910000 GHz Span 2.000 MHz
#Res BW 100 kHz #VBW 300 kHz* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.90900000 GHz

Stop Freq
1.91100000 GHz

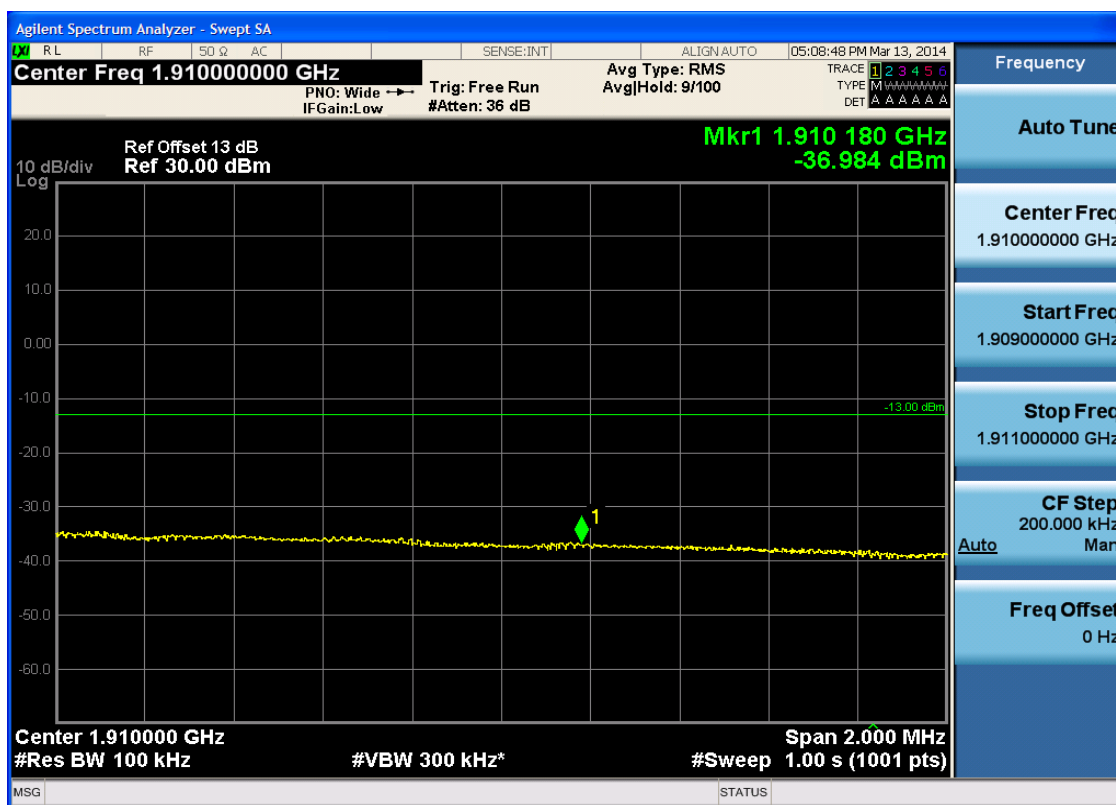
CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

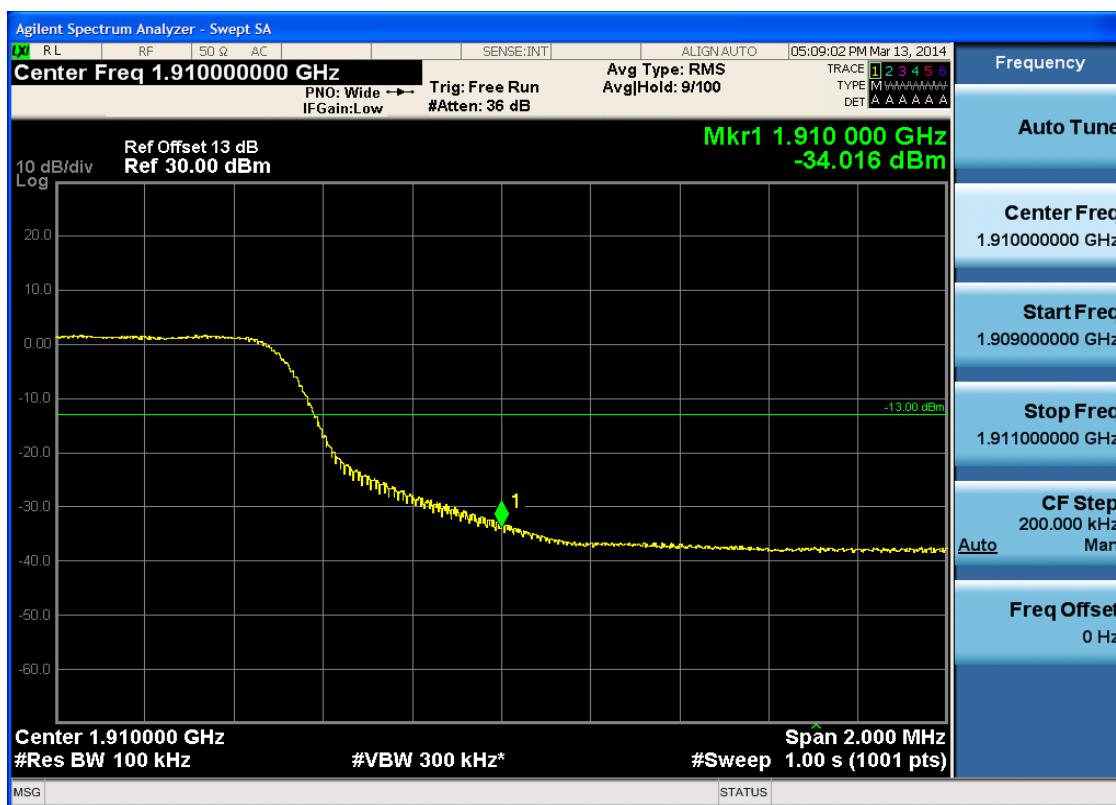


5.3.1.1.4.2.3 Test RB = RB25#13





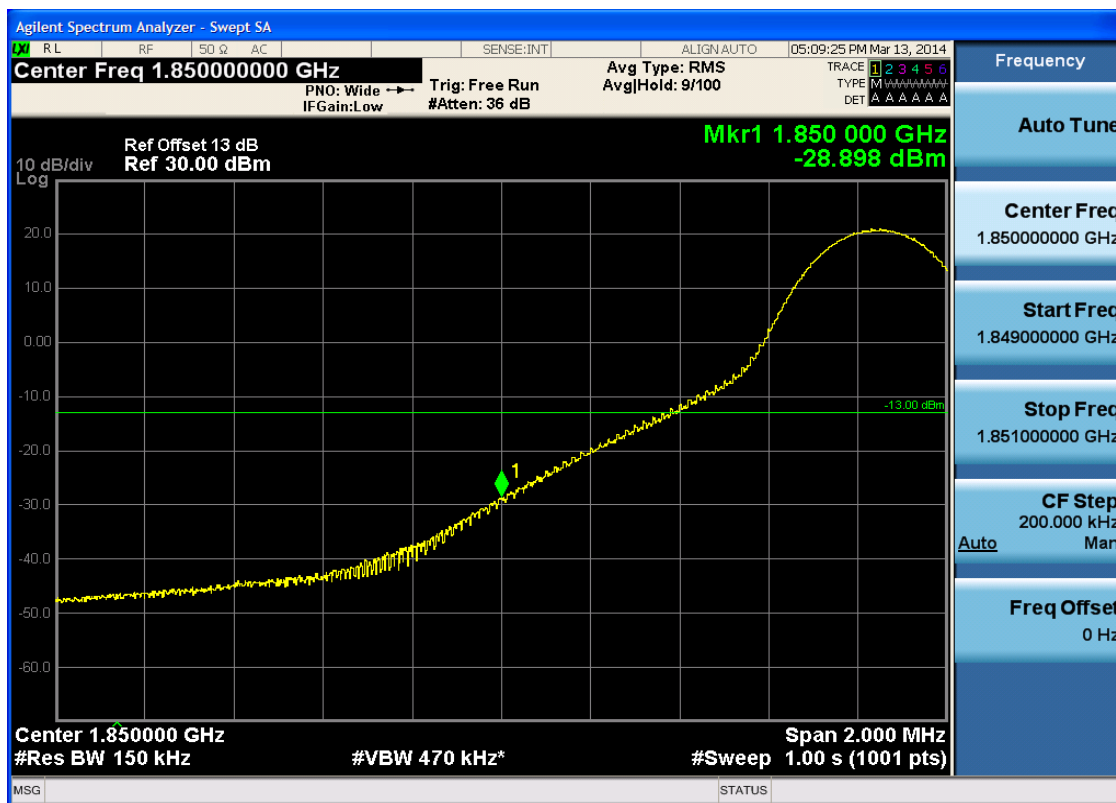
5.3.1.1.4.2.4 Test RB = RB50#0



5.3.1.1.5 Test Bandwidth = 15

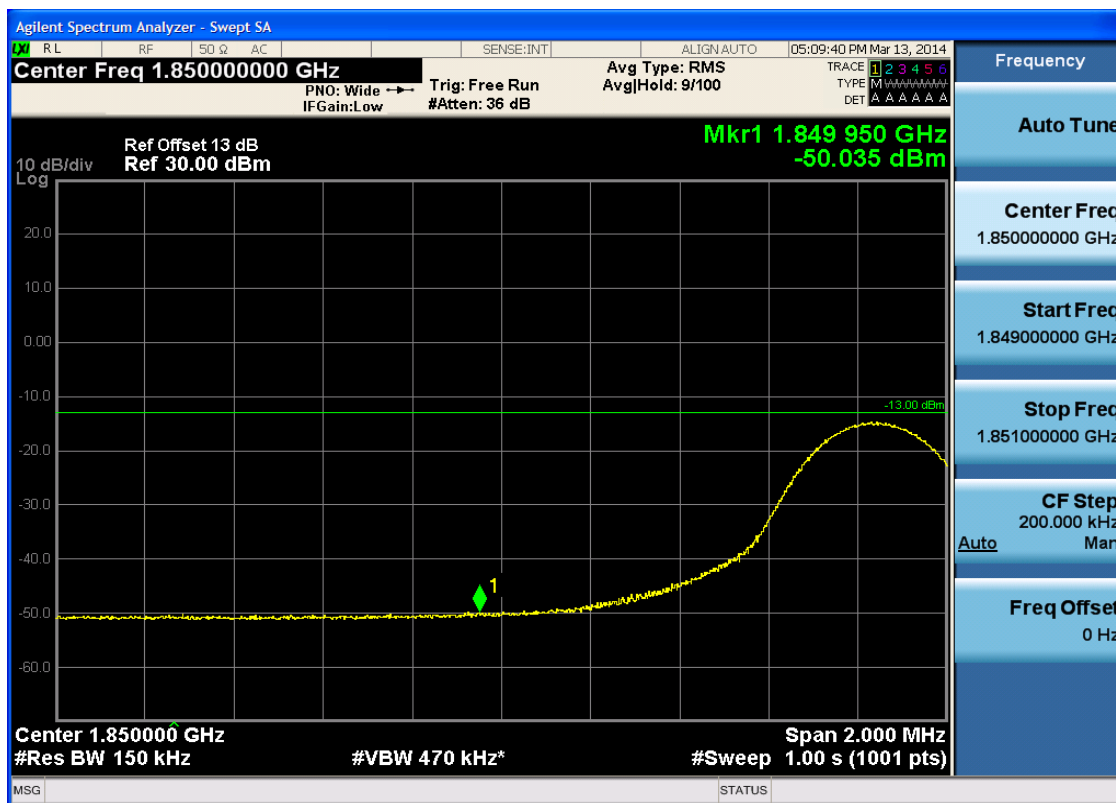
5.3.1.1.5.1 Test Channel = LCH

5.3.1.1.5.1.1 Test RB = RB1#0



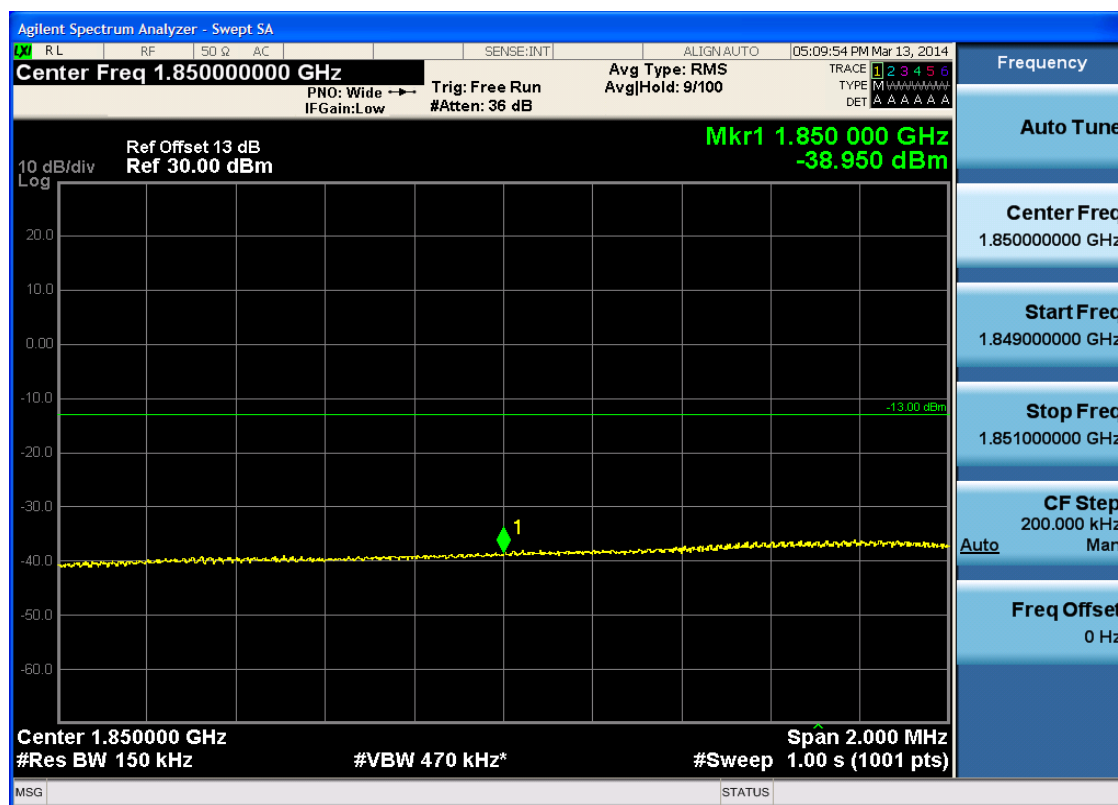


5.3.1.1.5.1.2 Test RB = RB1#74



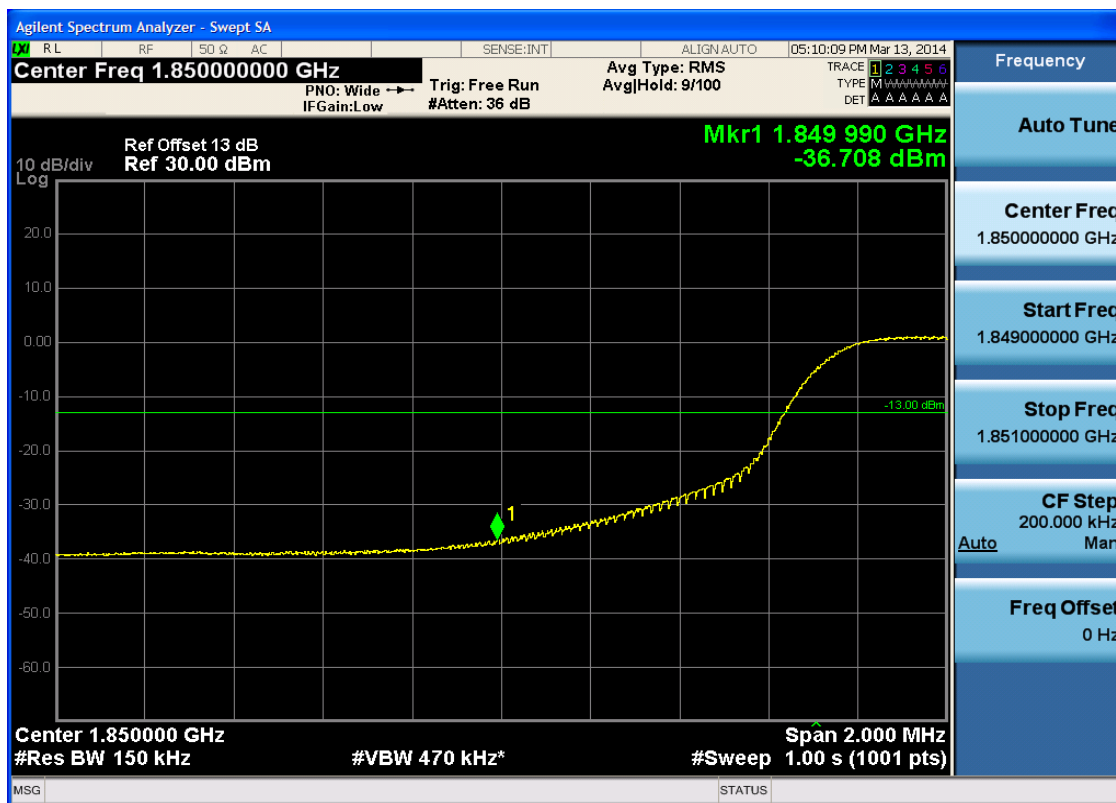


5.3.1.1.5.1.3 Test RB = RB38#19





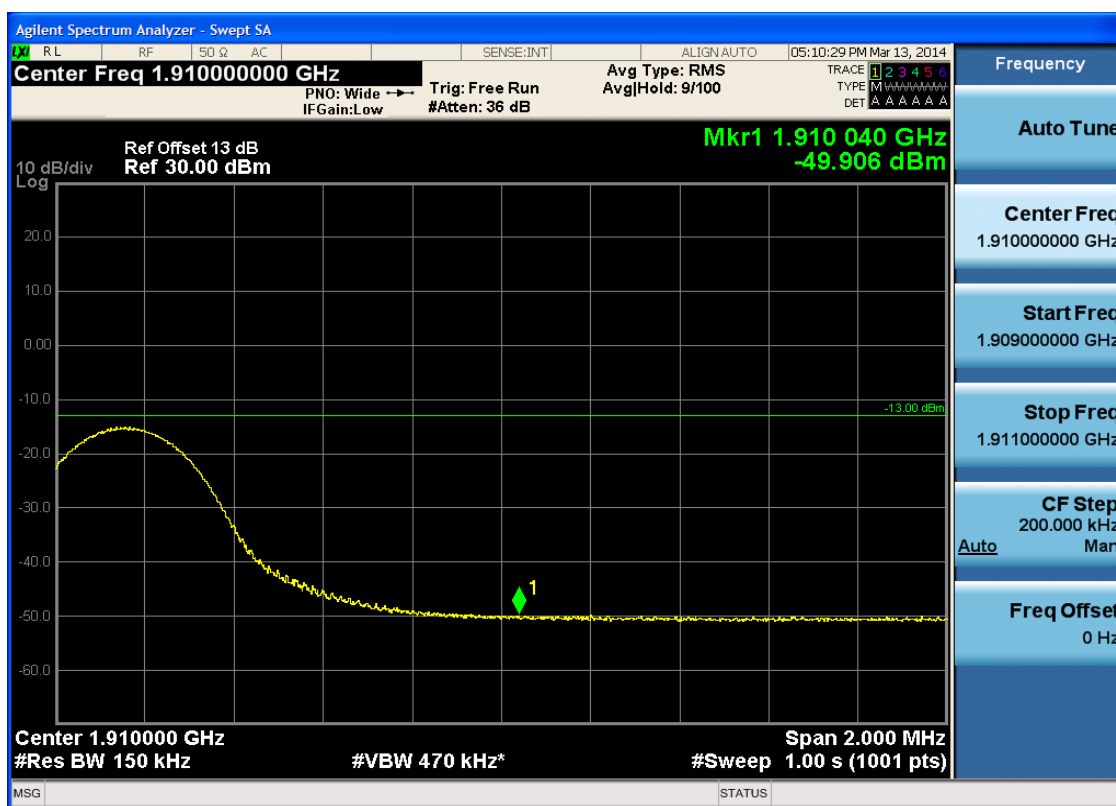
5.3.1.1.5.1.4 Test RB = RB75#0





5.3.1.1.5.2 Test Channel = HCH

5.3.1.1.5.2.1 Test RB = RB1#0



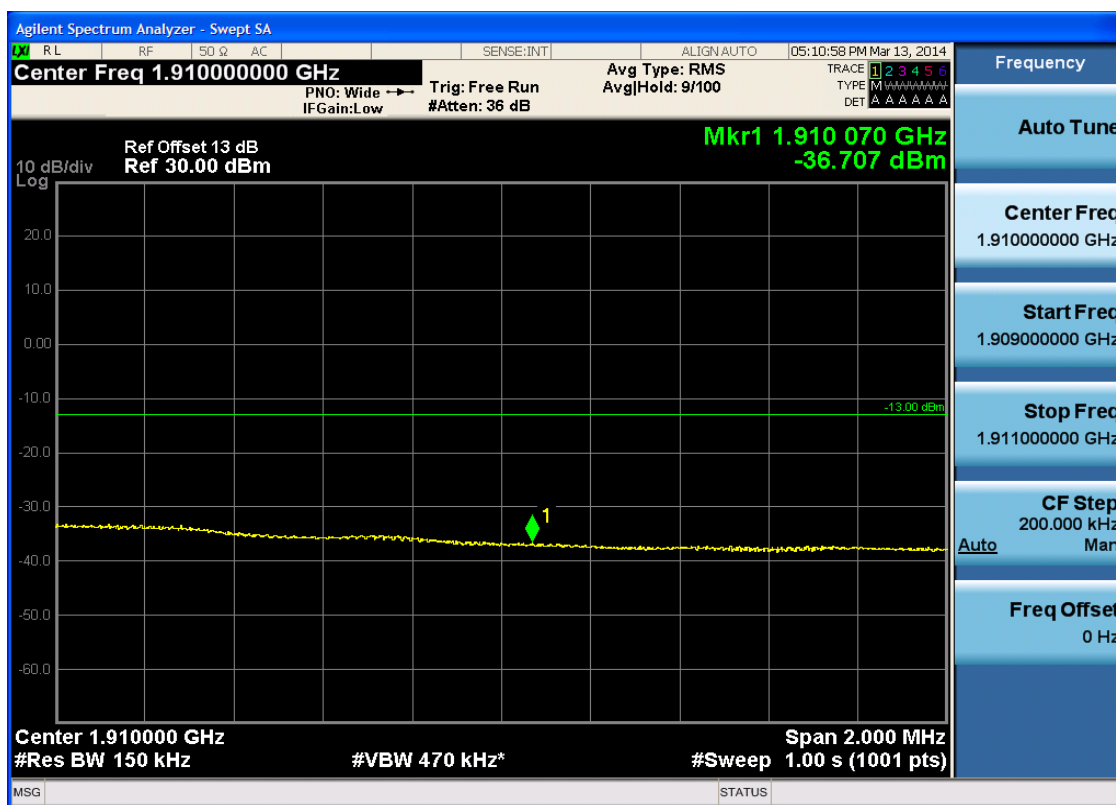


5.3.1.1.5.2.2 Test RB = RB1#74



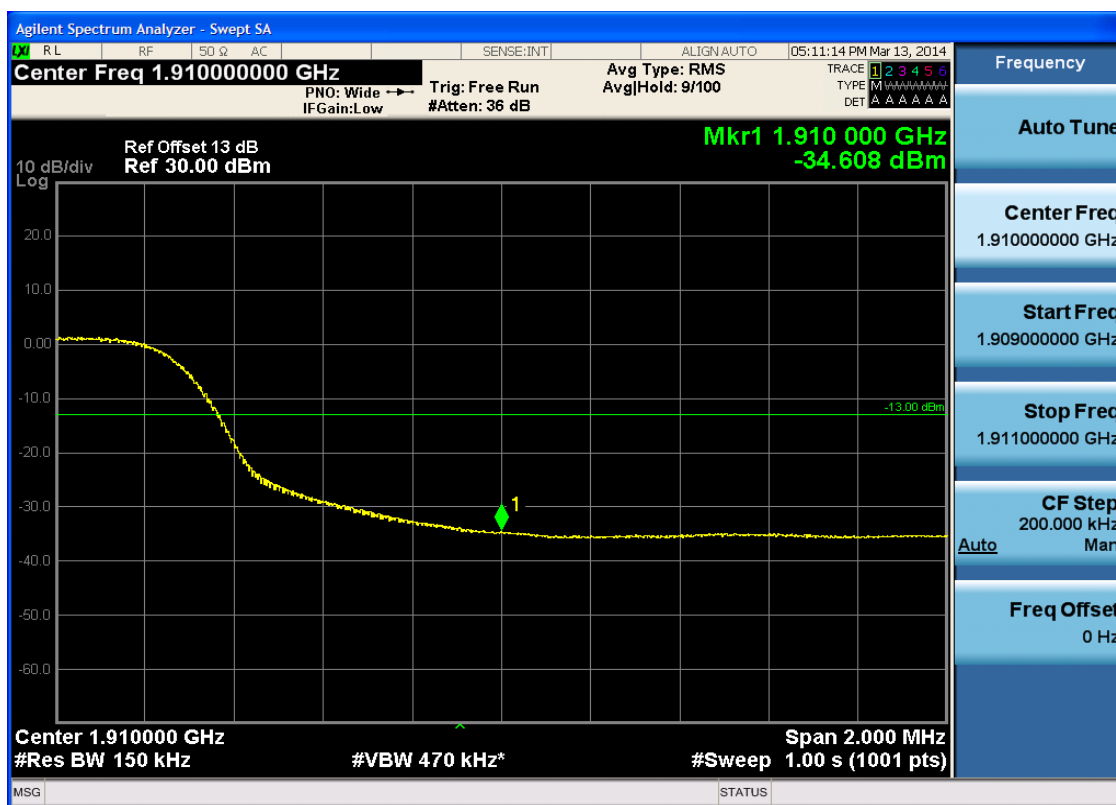


5.3.1.1.5.2.3 Test RB = RB38#19





5.3.1.1.5.2.4 Test RB = RB75#0

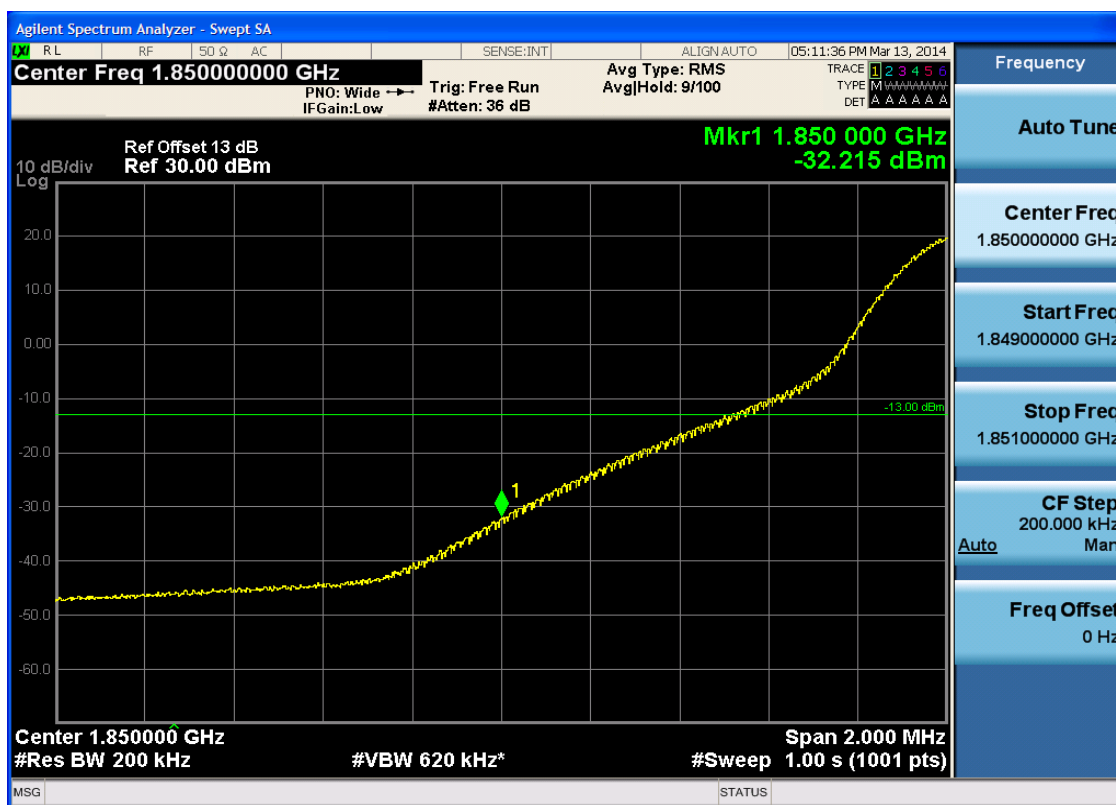




5.3.1.1.6 Test Bandwidth = 20

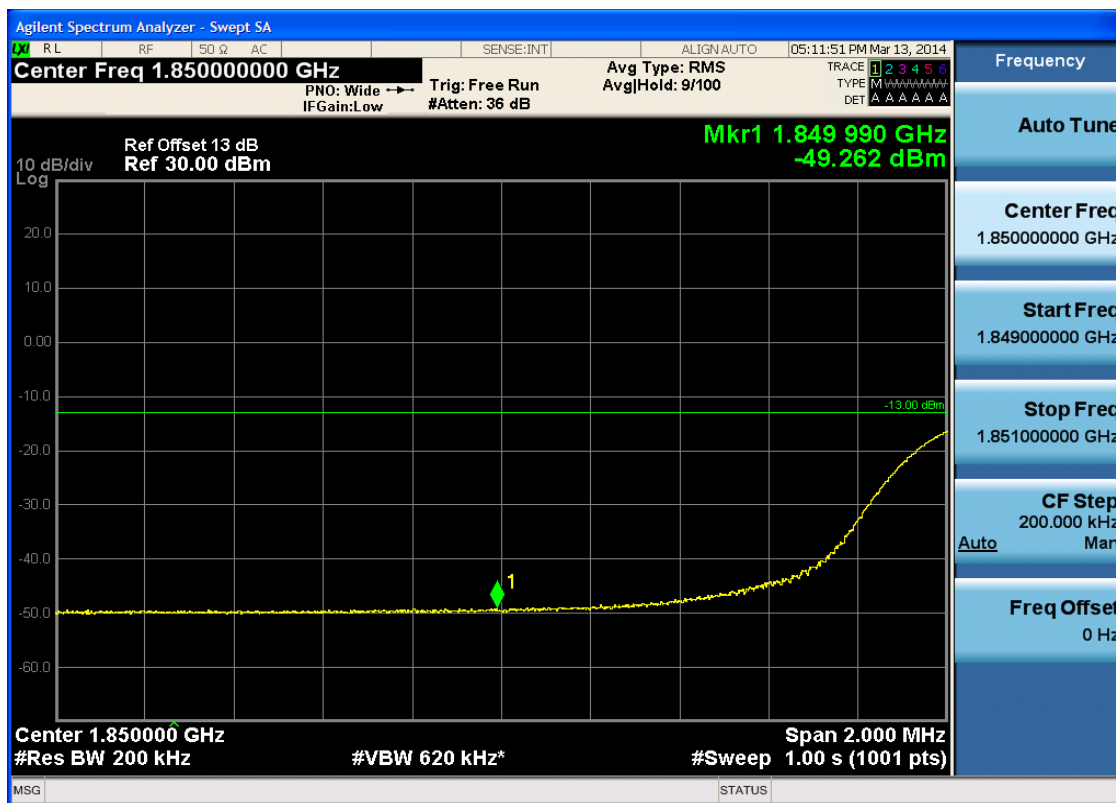
5.3.1.1.6.1 Test Channel = LCH

5.3.1.1.6.1.1 Test RB = RB1#0



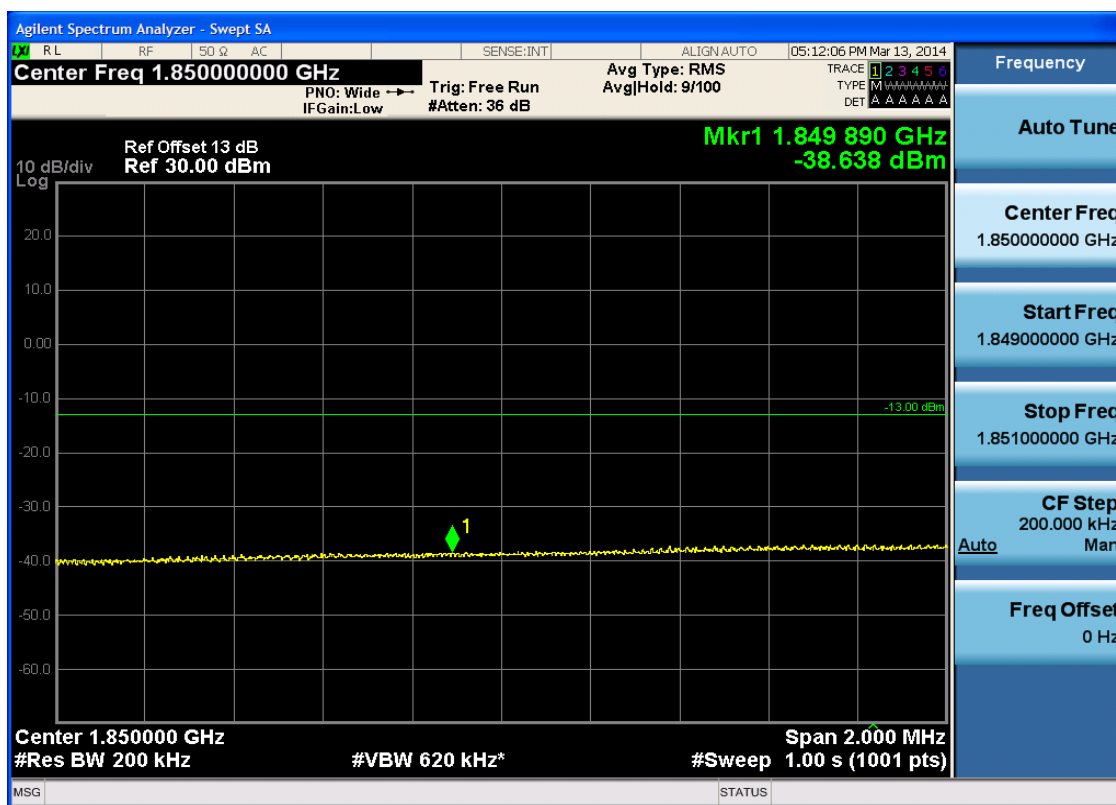


5.3.1.1.6.1.2 Test RB = RB1#99



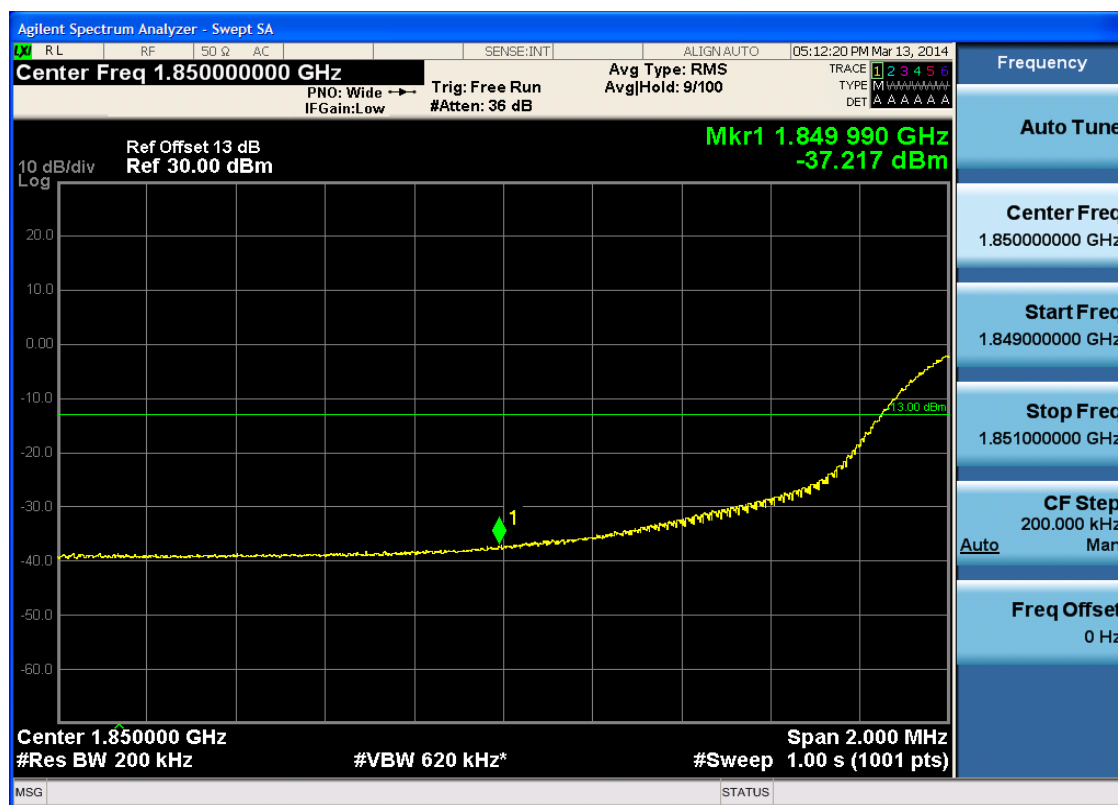


5.3.1.1.6.1.3 Test RB = RB50#25





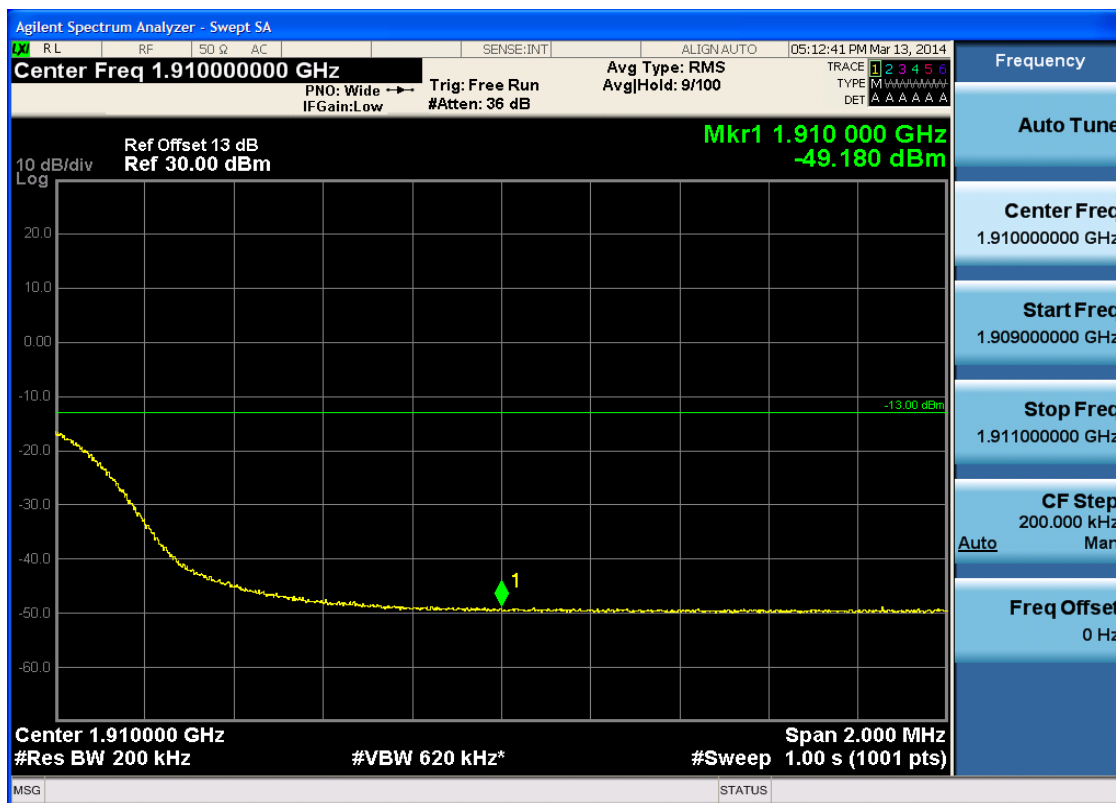
5.3.1.1.6.1.4 Test RB = RB100#0





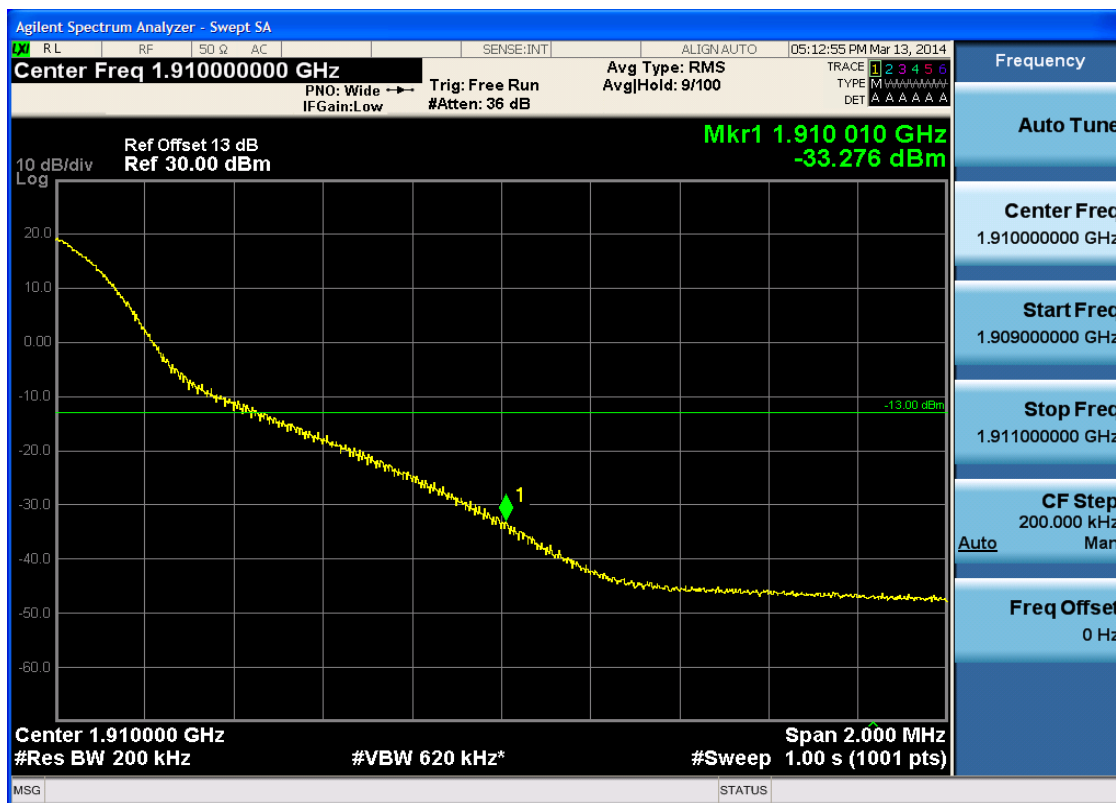
5.3.1.1.6.2 Test Channel = HCH

5.3.1.1.6.2.1 Test RB = RB1#0





5.3.1.1.6.2.2 Test RB = RB1#99



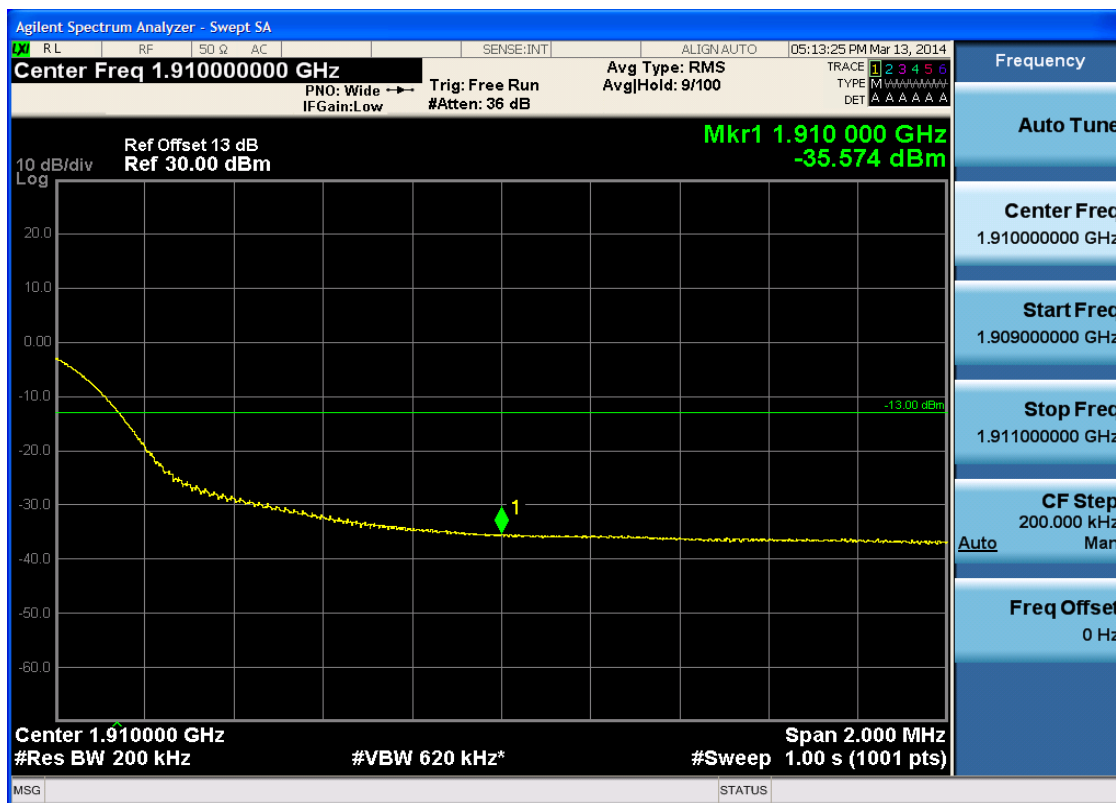


5.3.1.1.6.2.3 Test RB = RB50#25





5.3.1.1.6.2.4 Test RB = RB100#0



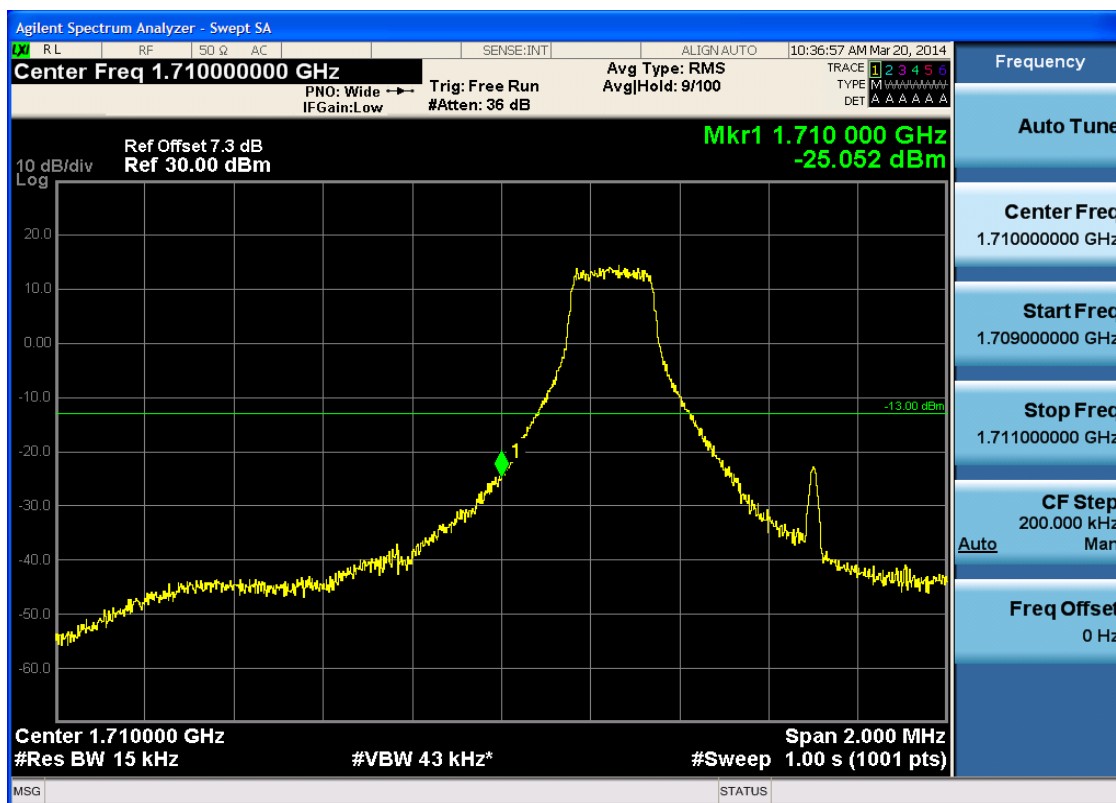
5.3.2 Test Band = BAND4

5.3.2.1 Test Mode = LTE/TM1

5.3.2.1.1 Test Bandwidth = 1.4

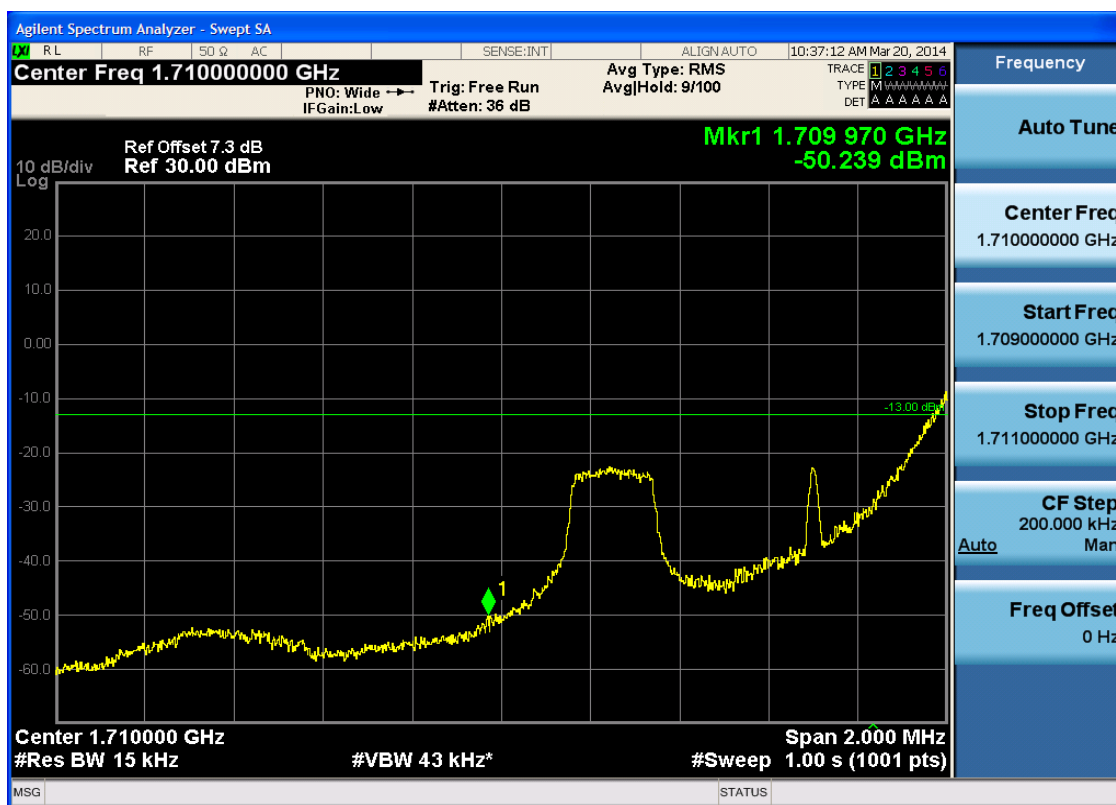
5.3.2.1.1.1 Test Channel = LCH

5.3.2.1.1.1.1 Test RB = RB1#0



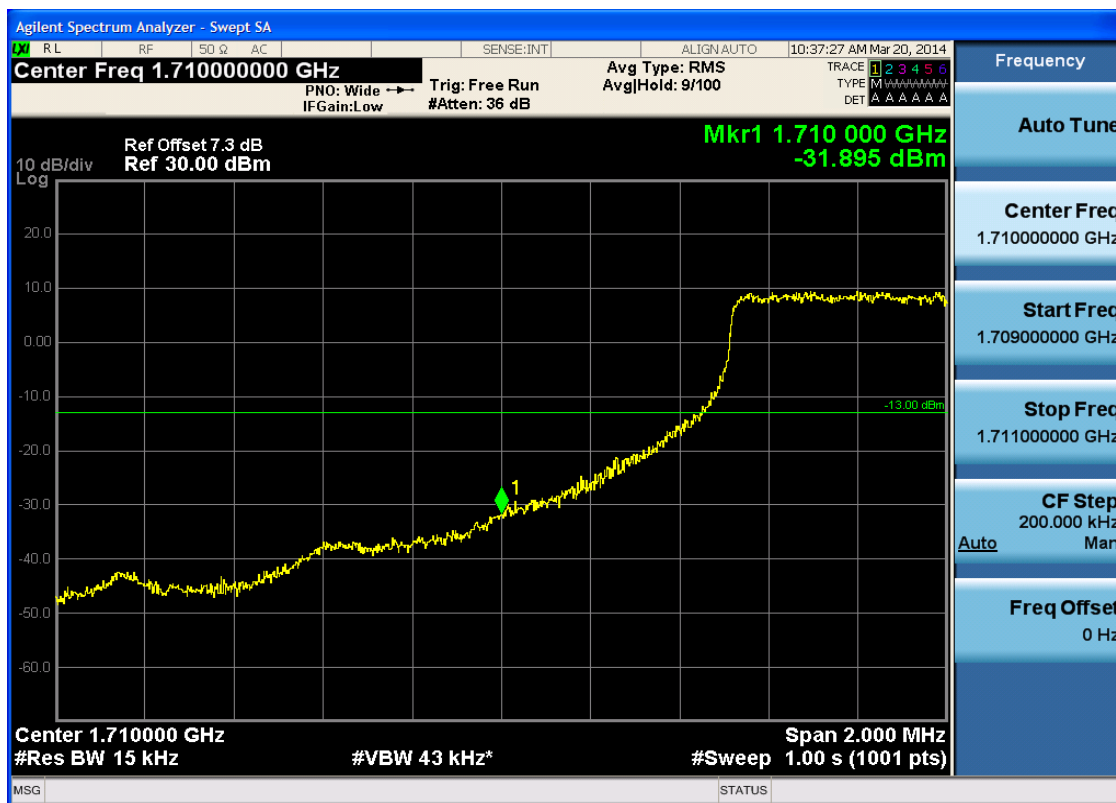


5.3.2.1.1.2 Test RB = RB1#5

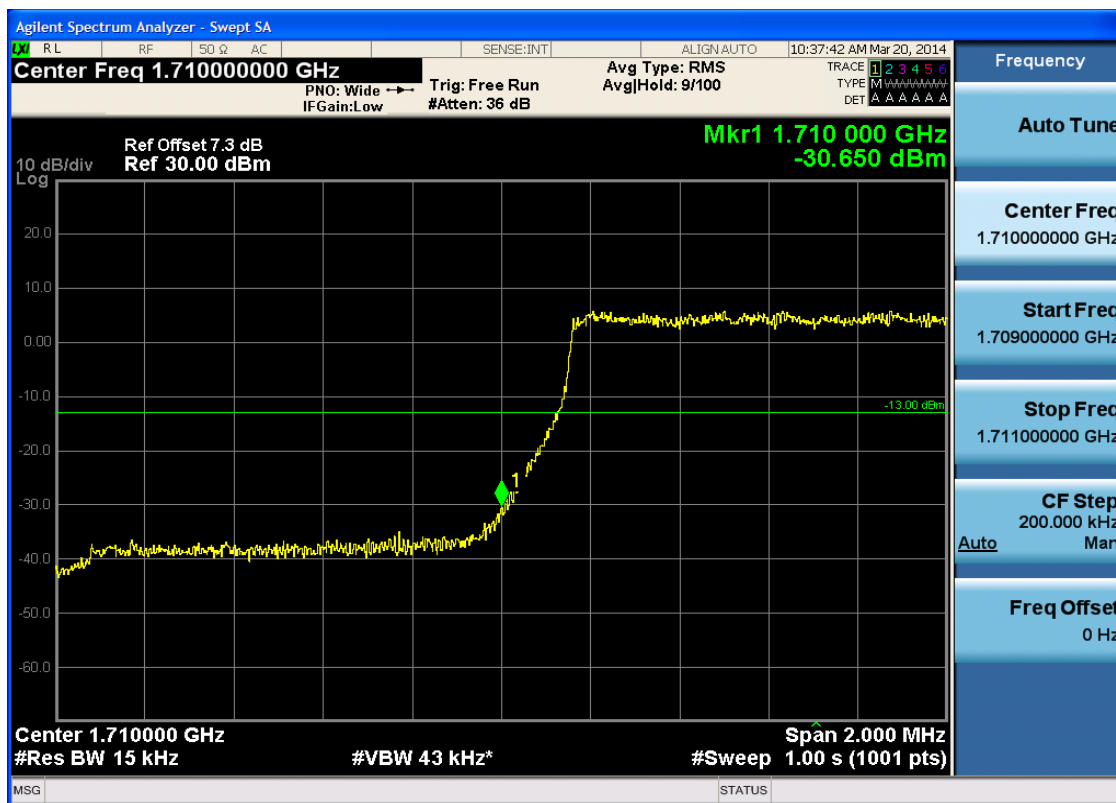




5.3.2.1.1.3 Test RB = RB3#2

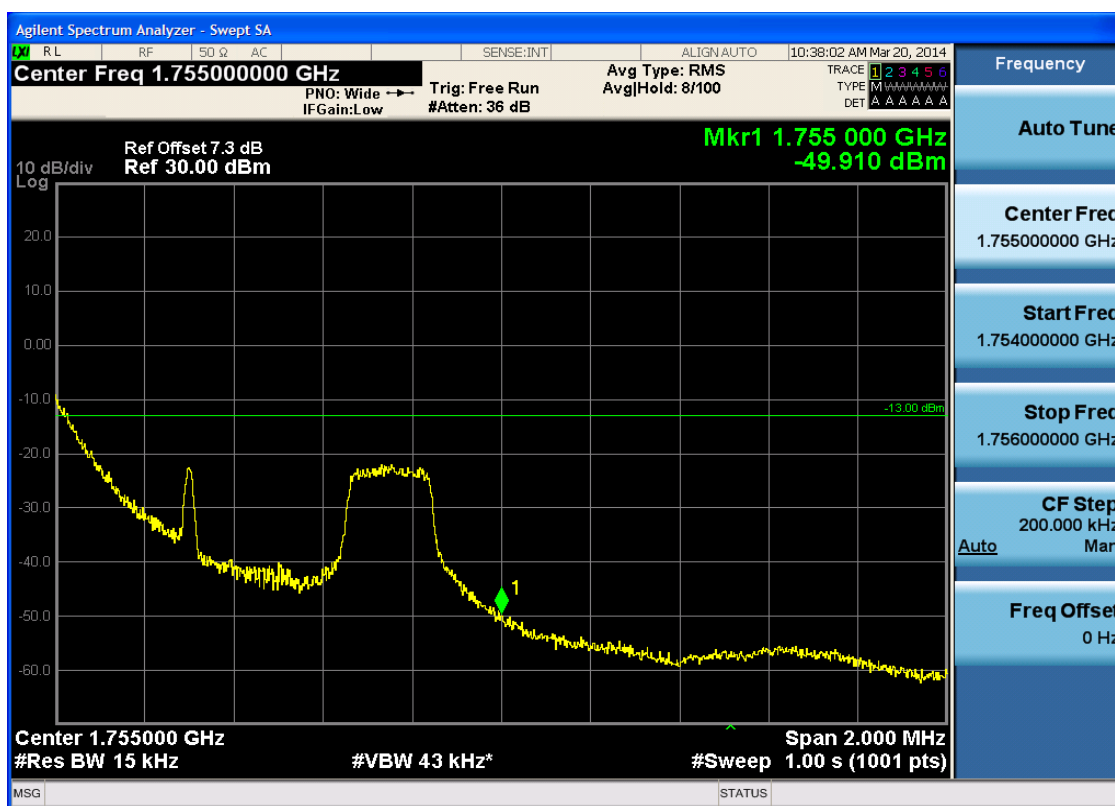


5.3.2.1.1.1.4 Test RB = RB6#0



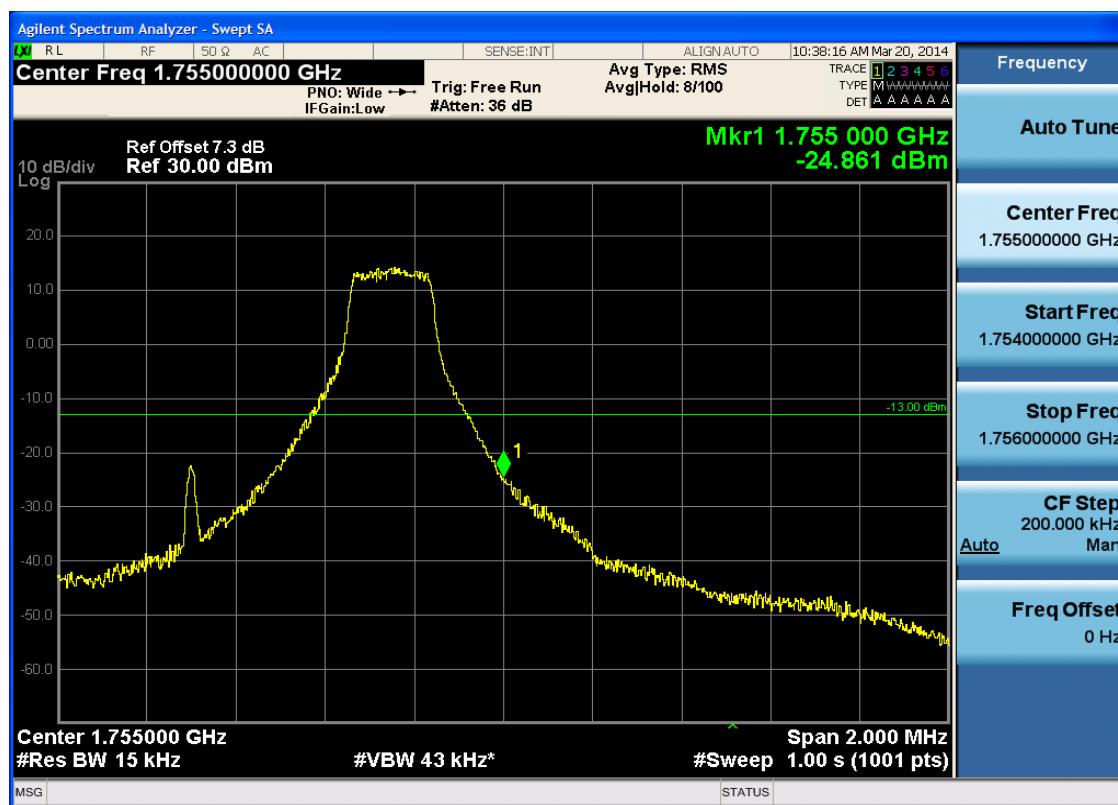
5.3.2.1.1.2 Test Channel = HCH

5.3.2.1.1.2.1 Test RB = RB1#0





5.3.2.1.1.2.2 Test RB = RB1#5





5.3.2.1.1.2.3 Test RB = RB3#2





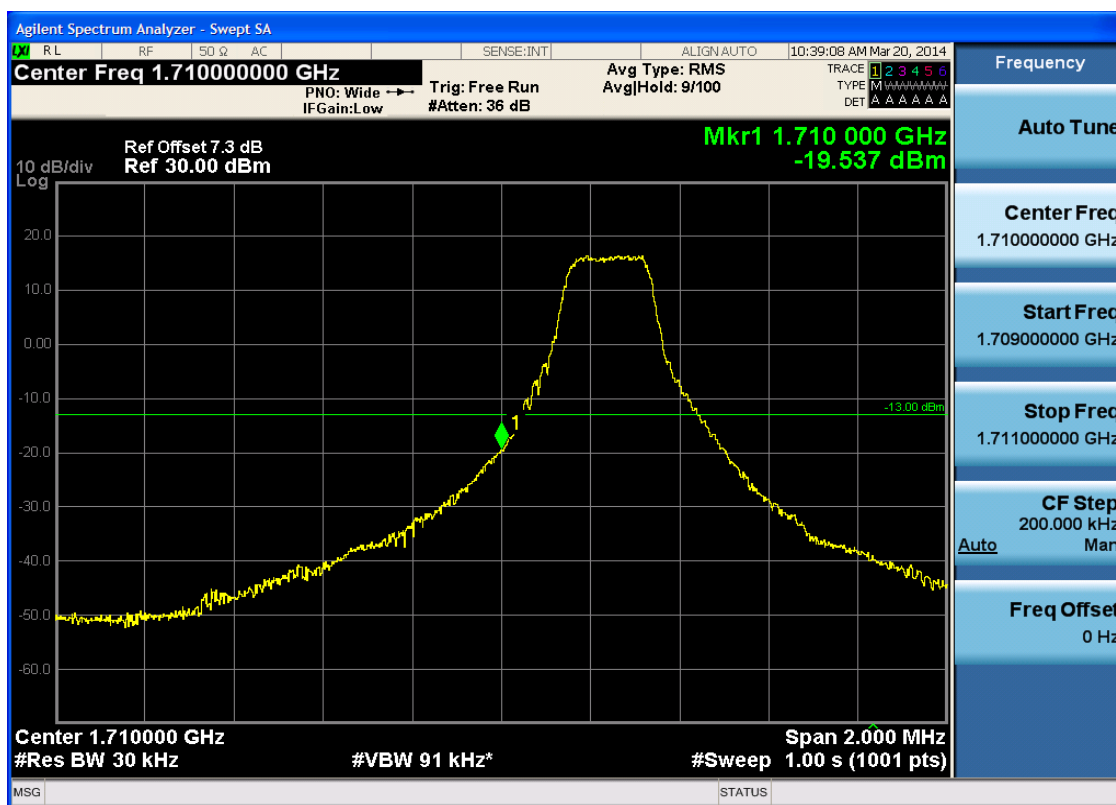
5.3.2.1.1.2.4 Test RB = RB6#0



5.3.2.1.2 Test Bandwidth = 3

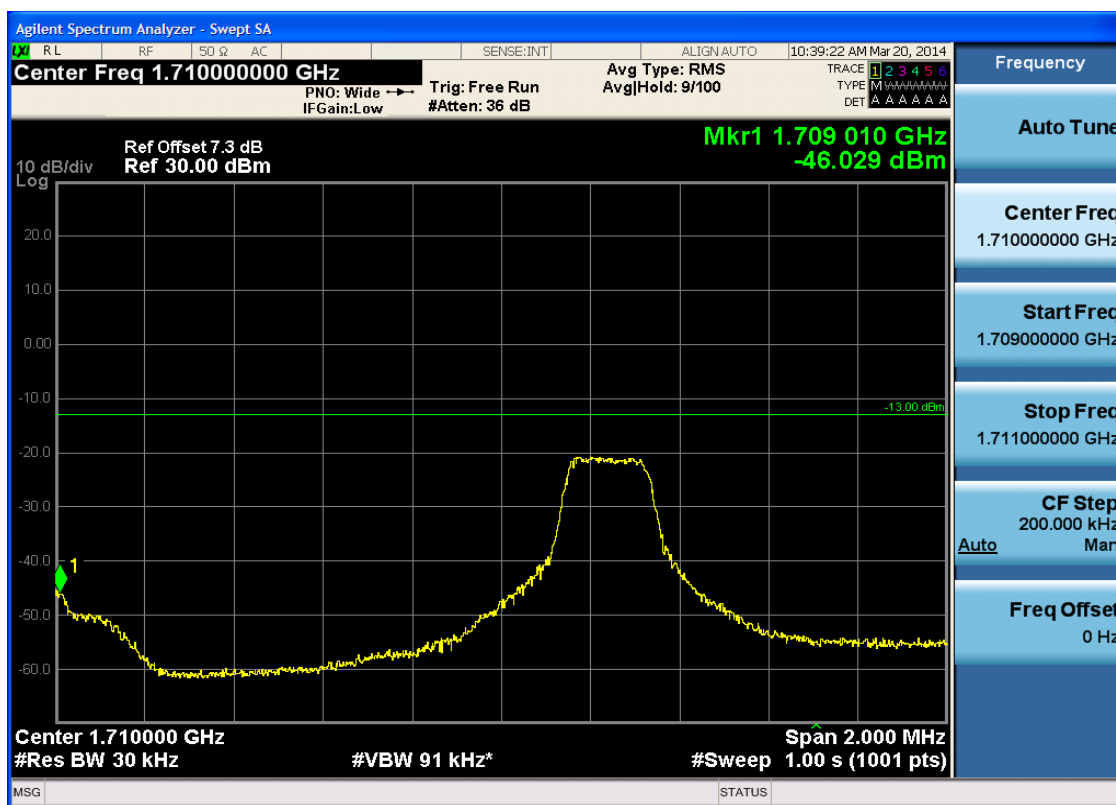
5.3.2.1.2.1 Test Channel = LCH

5.3.2.1.2.1.1 Test RB = RB1#0



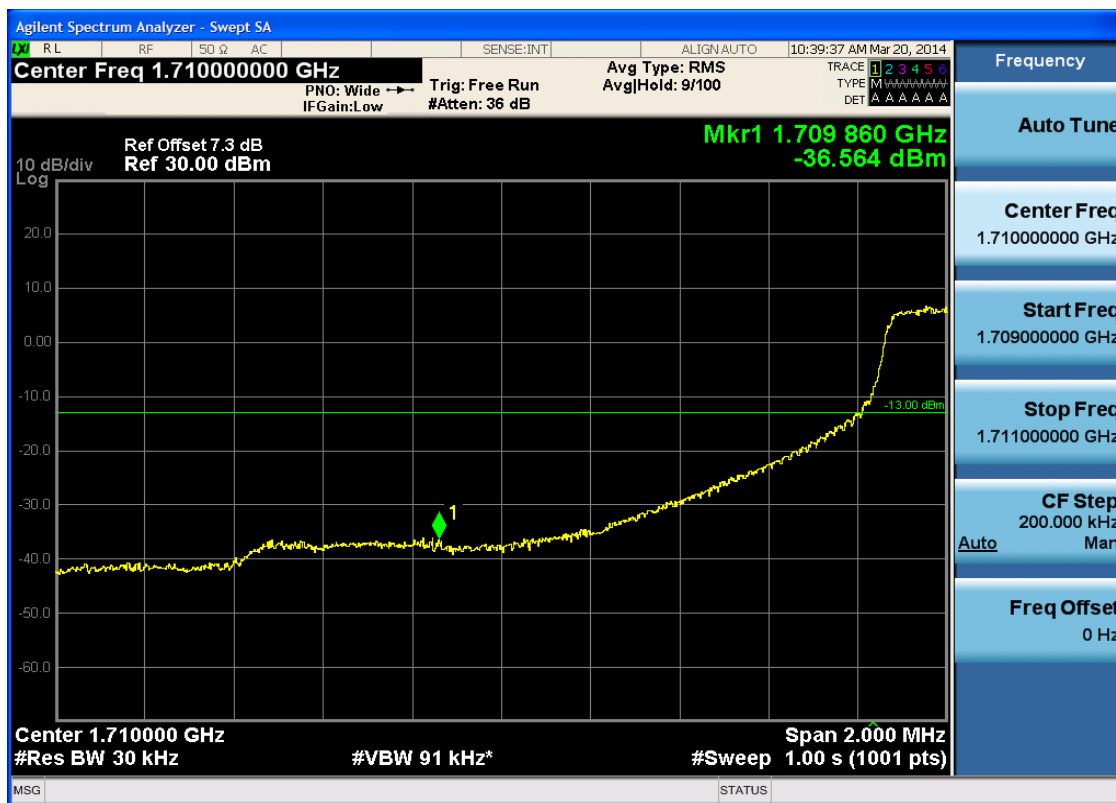


5.3.2.1.2.1.2 Test RB = RB1#14



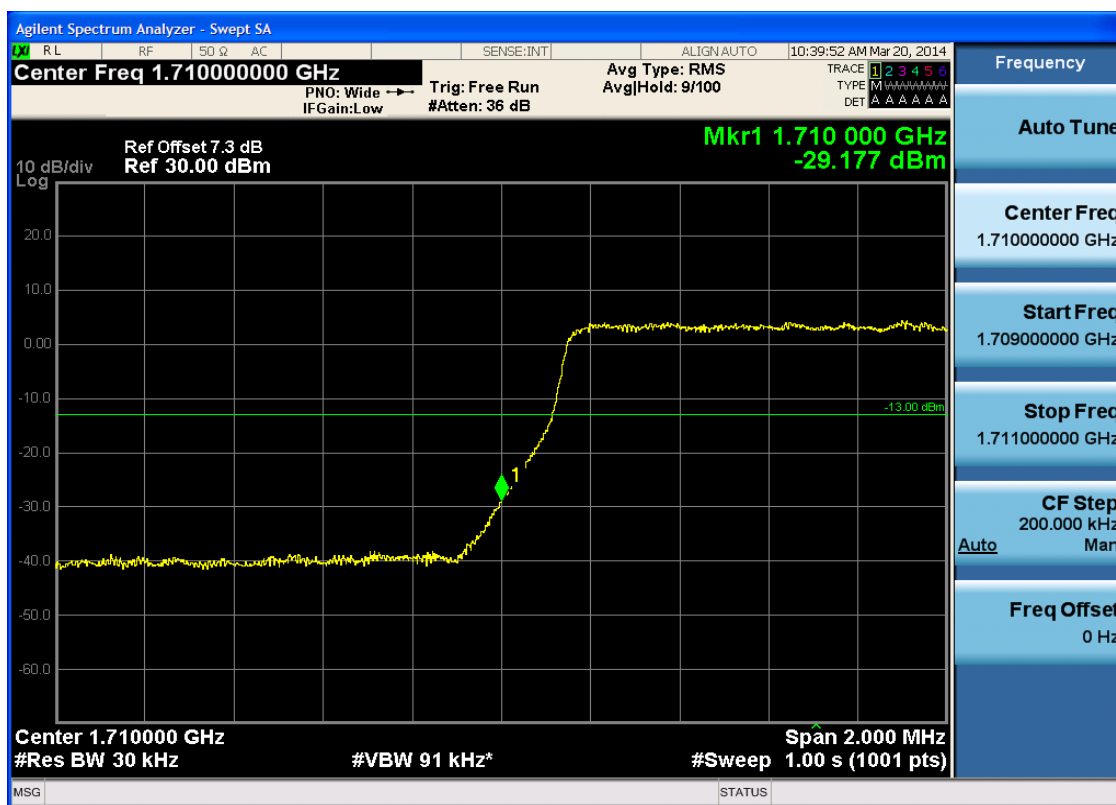


5.3.2.1.2.1.3 Test RB = RB8#4



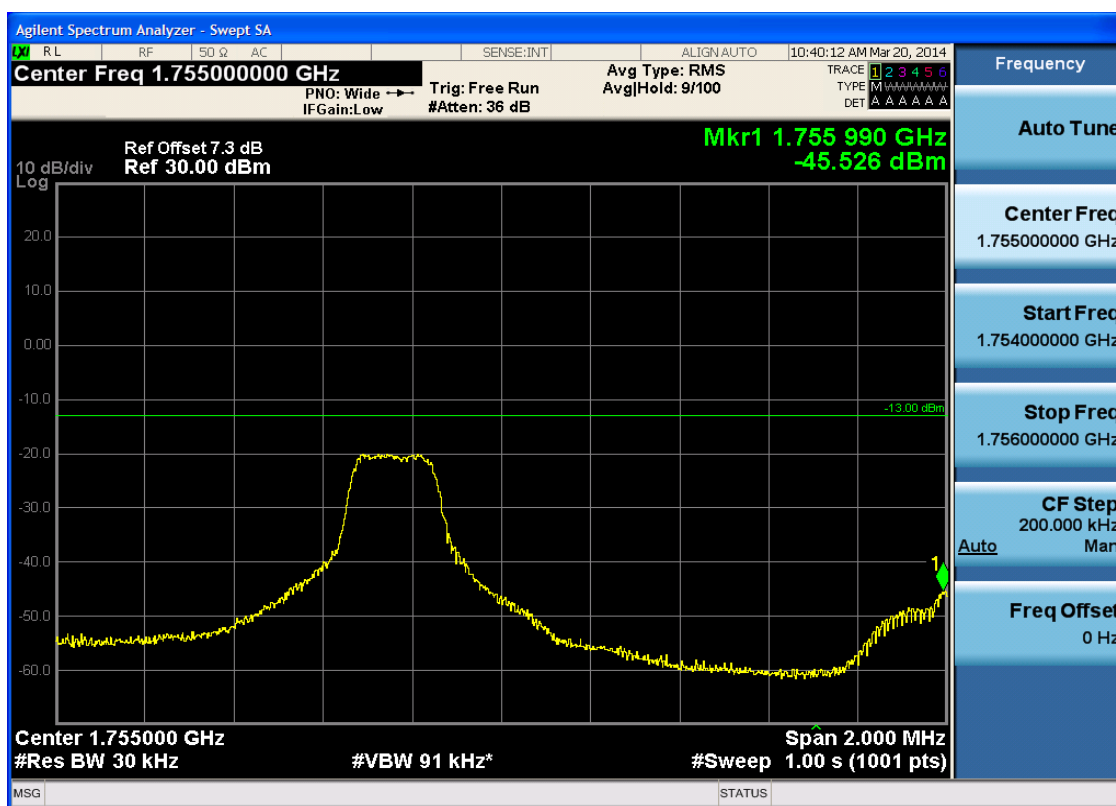


5.3.2.1.2.1.4 Test RB = RB15#0



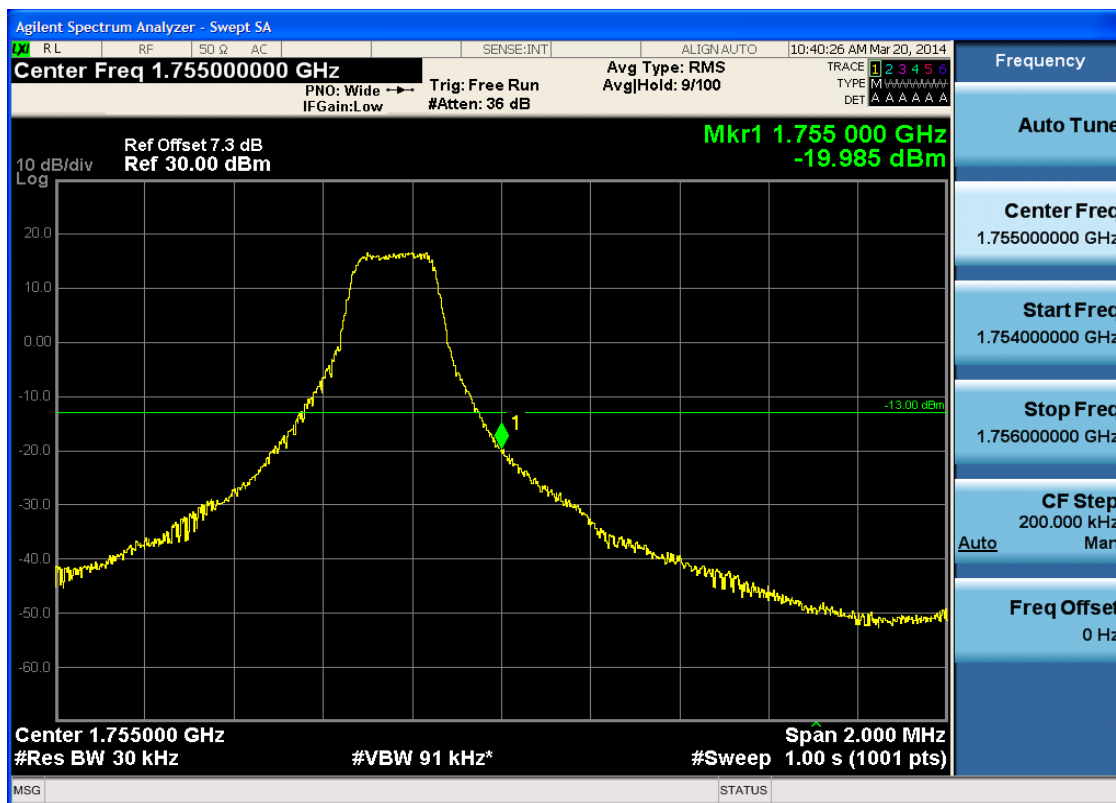
5.3.2.1.2.2 Test Channel = HCH

5.3.2.1.2.2.1 Test RB = RB1#0



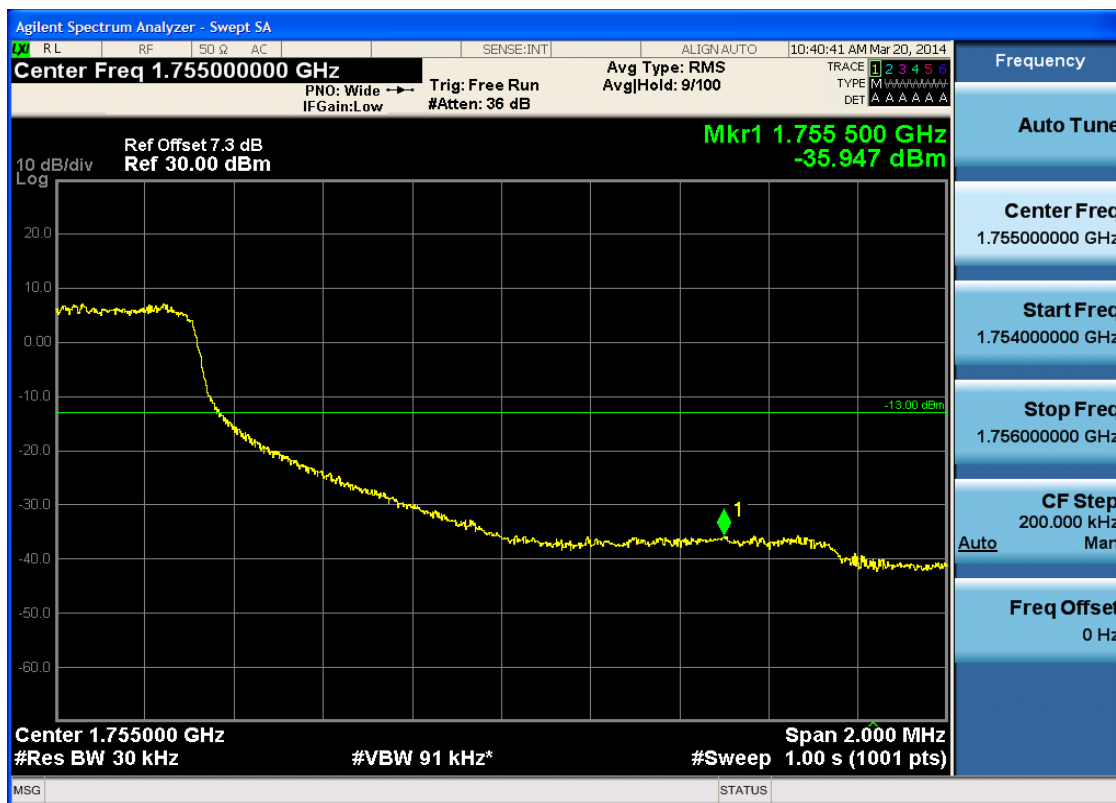


5.3.2.1.2.2.2 Test RB = RB1#14



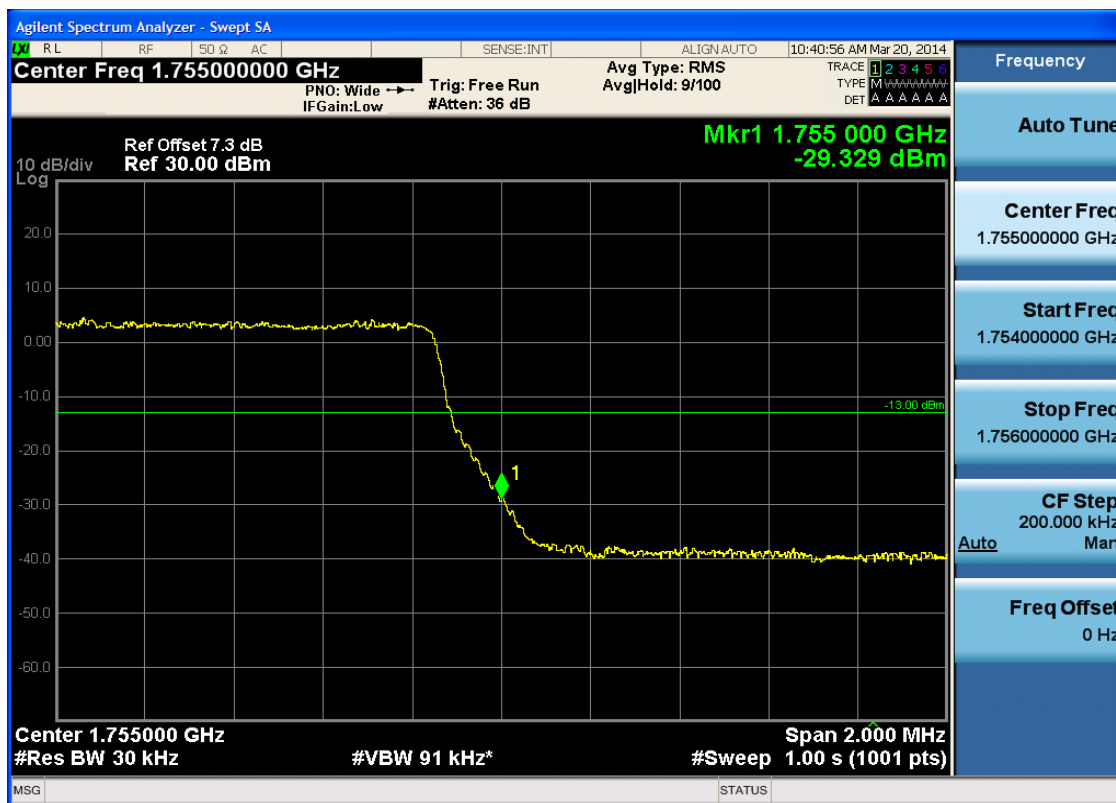


5.3.2.1.2.2.3 Test RB = RB8#4





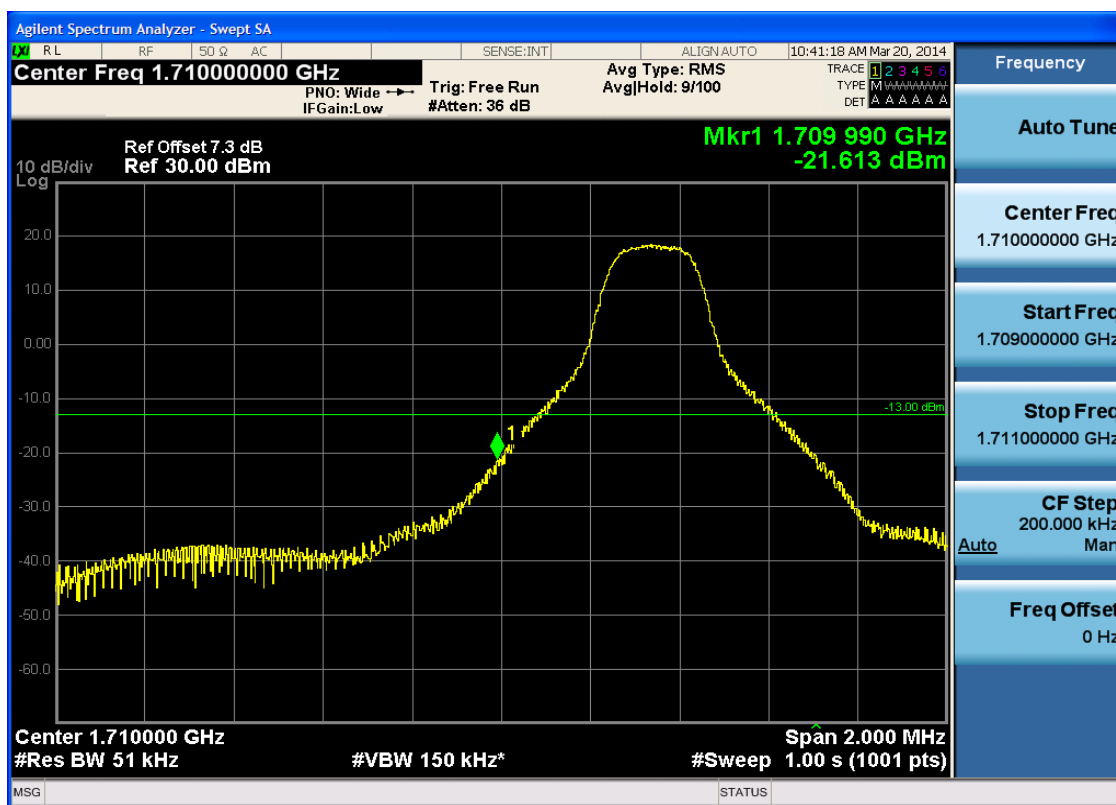
5.3.2.1.2.2.4 Test RB = RB15#0



5.3.2.1.3 Test Bandwidth = 5

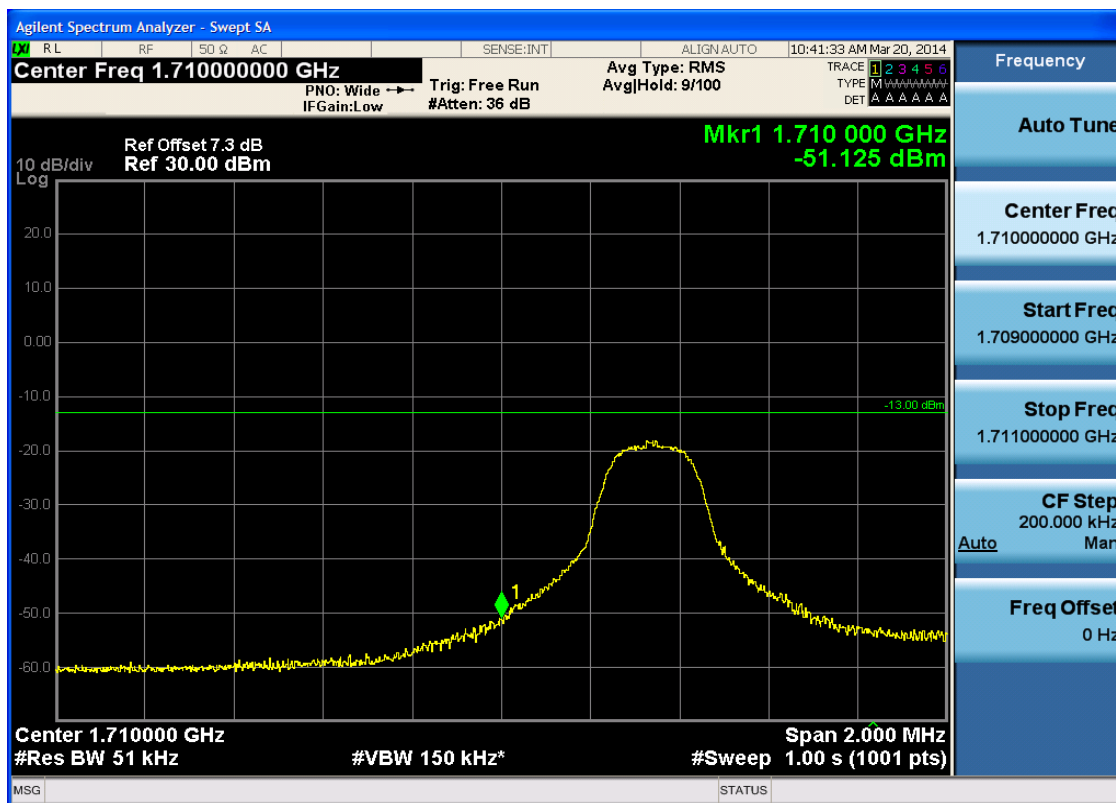
5.3.2.1.3.1 Test Channel = LCH

5.3.2.1.3.1.1 Test RB = RB1#0



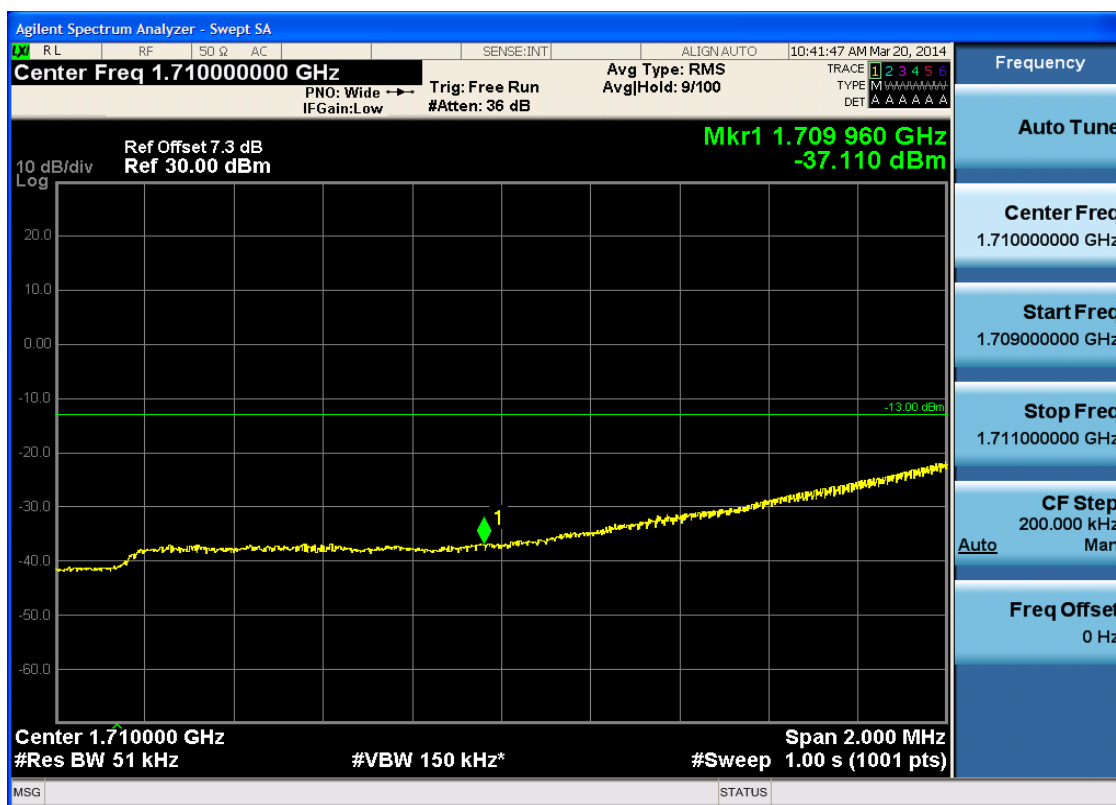


5.3.2.1.3.1.2 Test RB = RB1#24



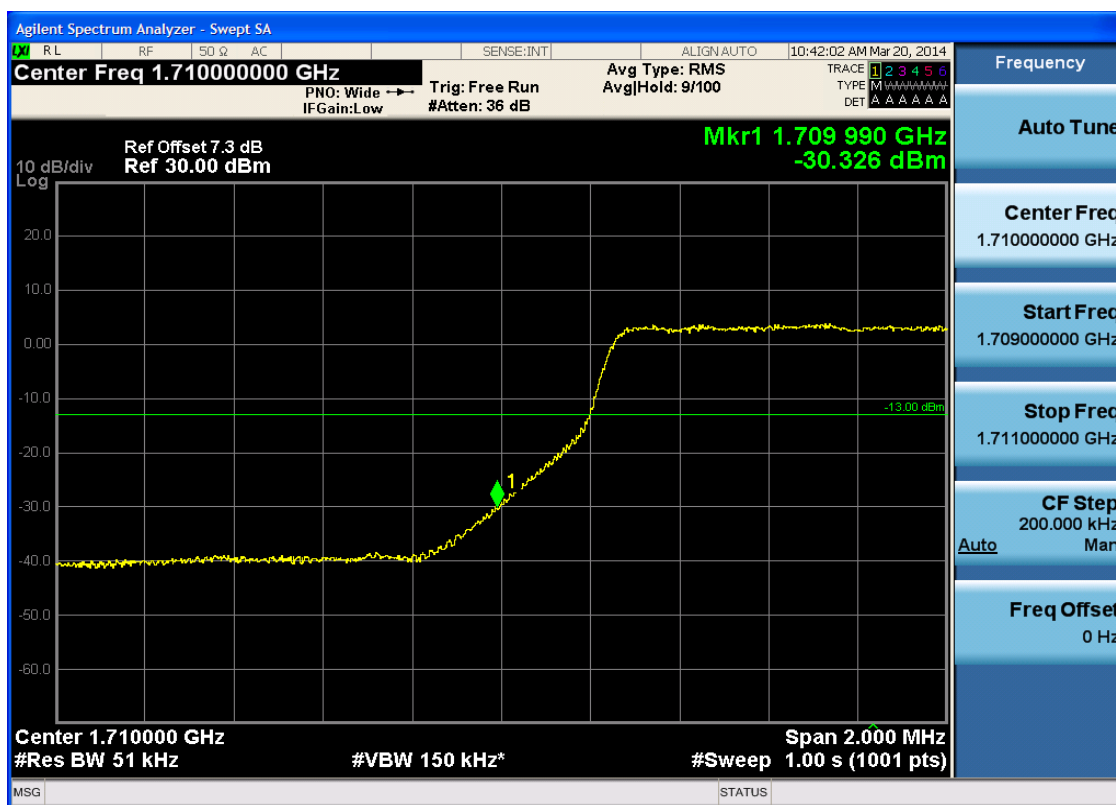


5.3.2.1.3.1.3 Test RB = RB12#6



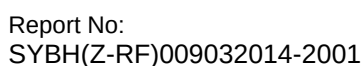


5.3.2.1.3.1.4 Test RB = RB25#0



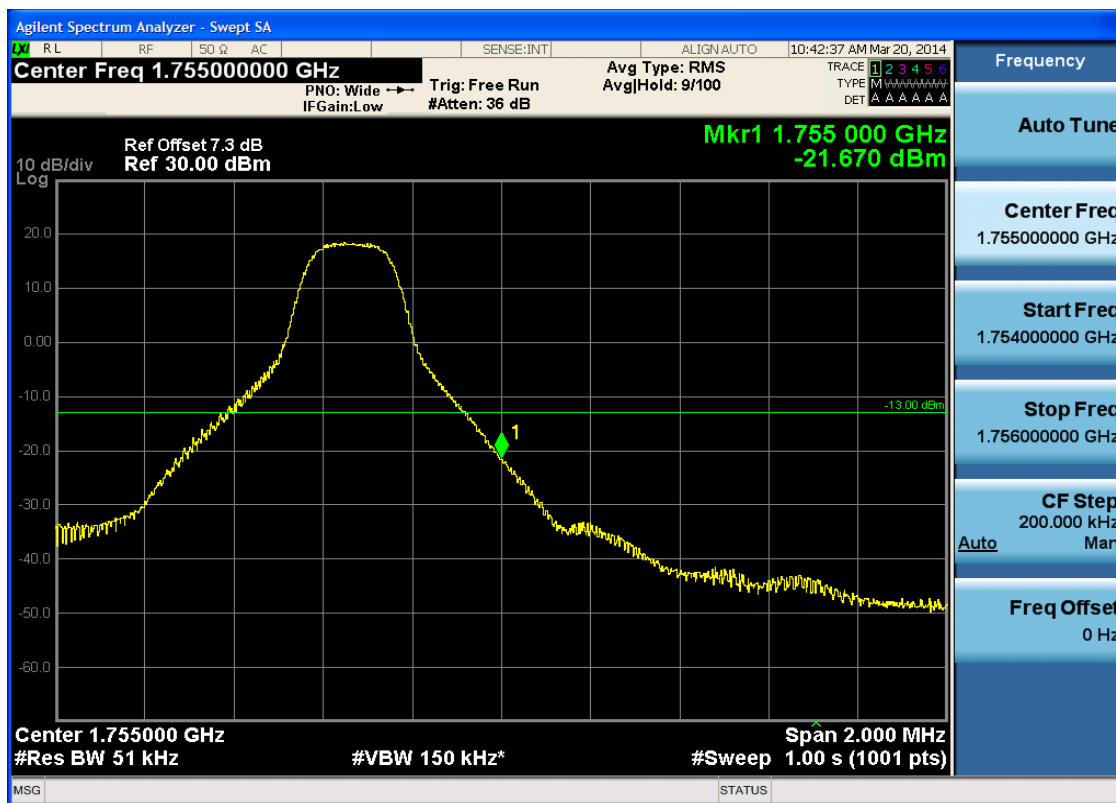


5.3.2.1.3.2.1 Test RB = RB1#0





5.3.2.1.3.2.2 Test RB = RB1#24





5.3.2.1.3.2.3 Test RB = RB12#6





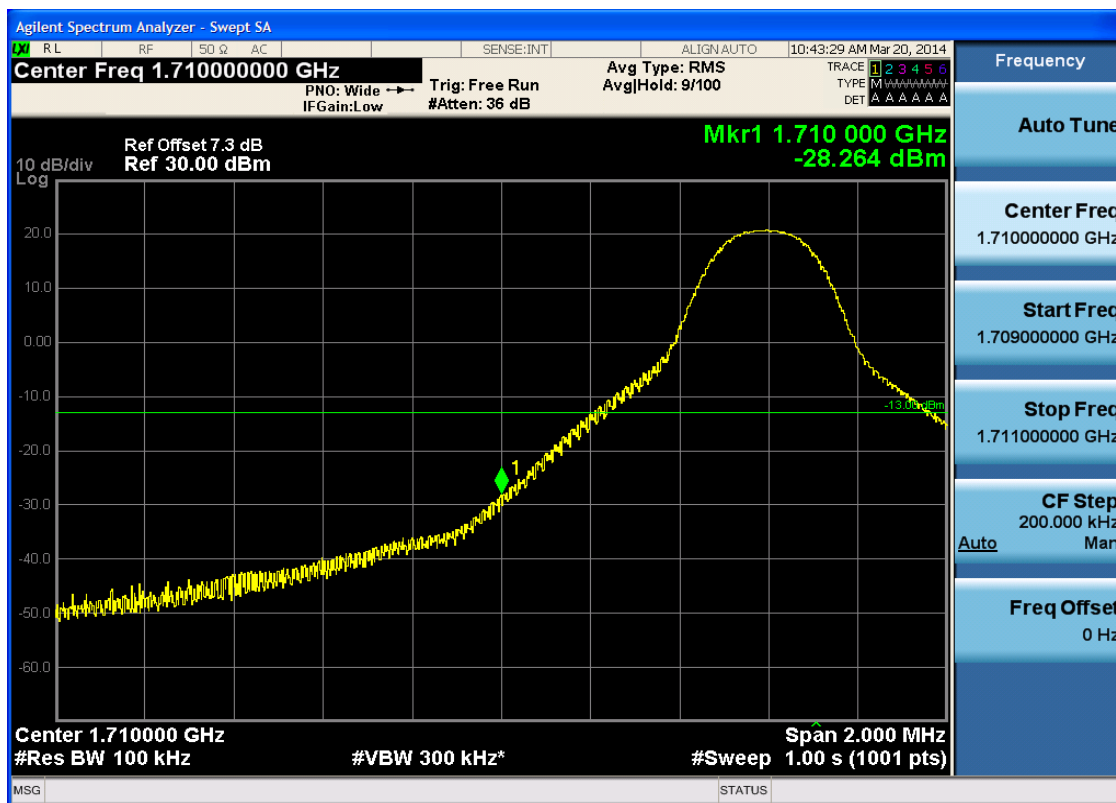
5.3.2.1.3.2.4 Test RB = RB25#0



5.3.2.1.4 Test Bandwidth = 10

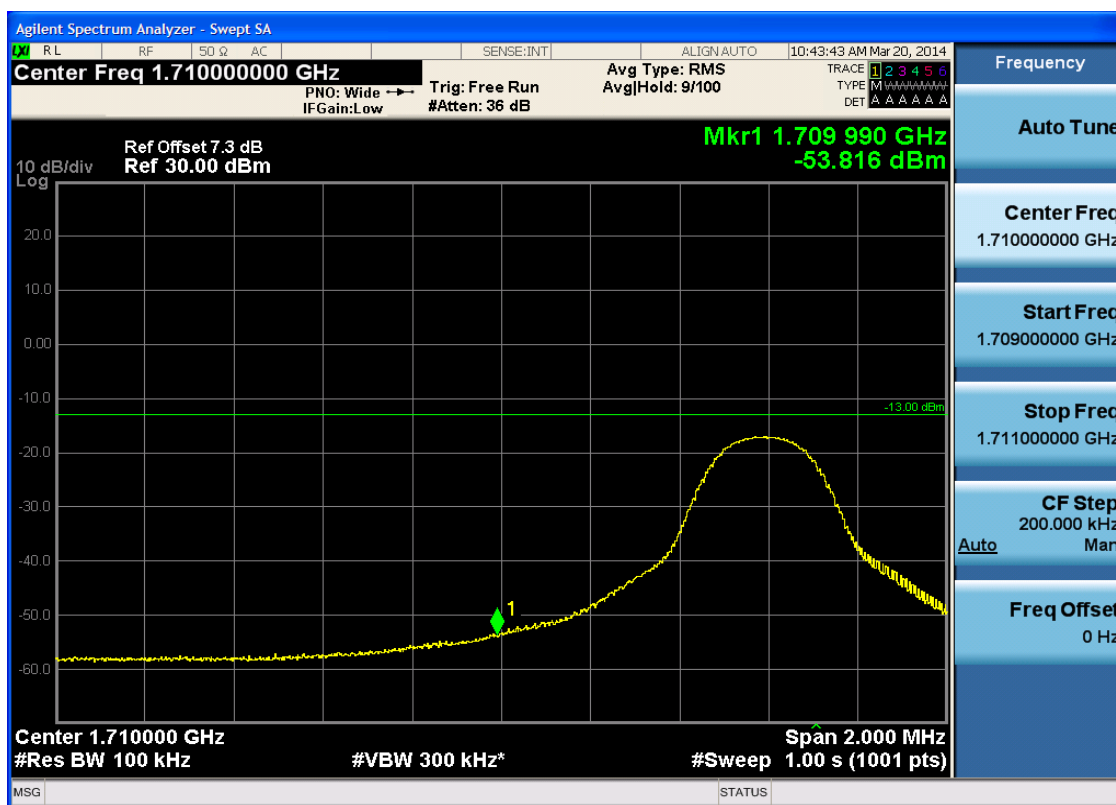
5.3.2.1.4.1 Test Channel = LCH

5.3.2.1.4.1.1 Test RB = RB1#0



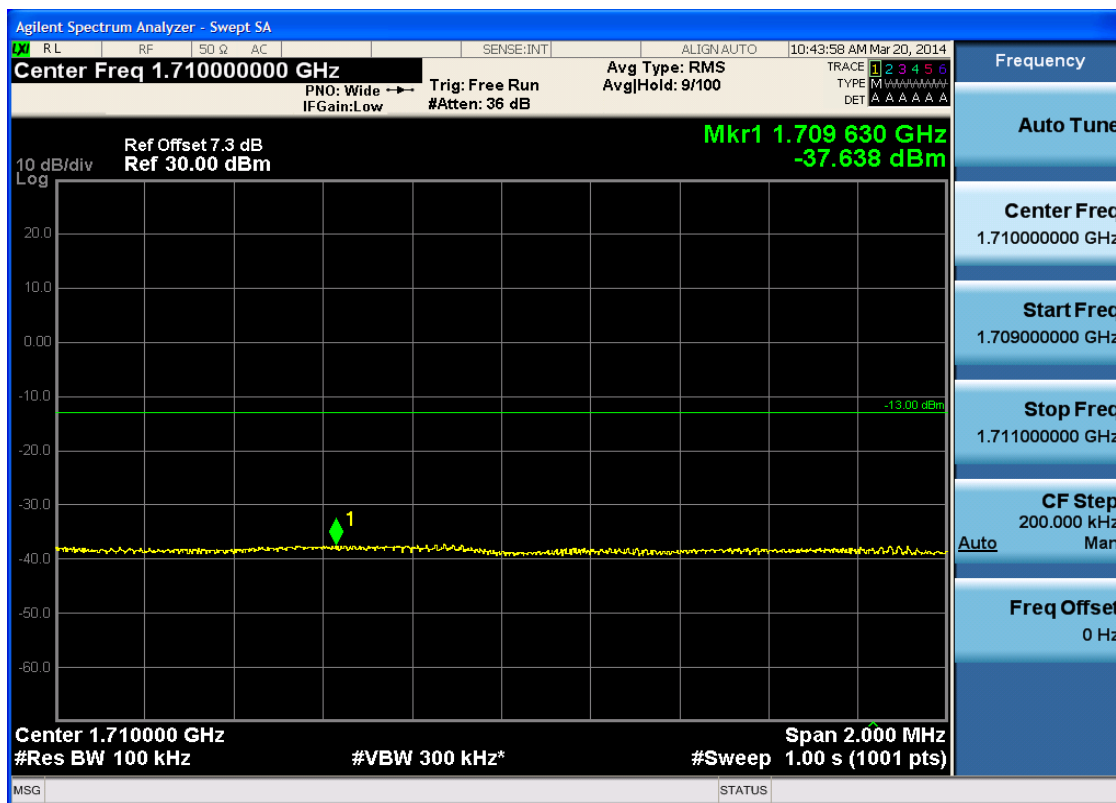


5.3.2.1.4.1.2 Test RB = RB1#49

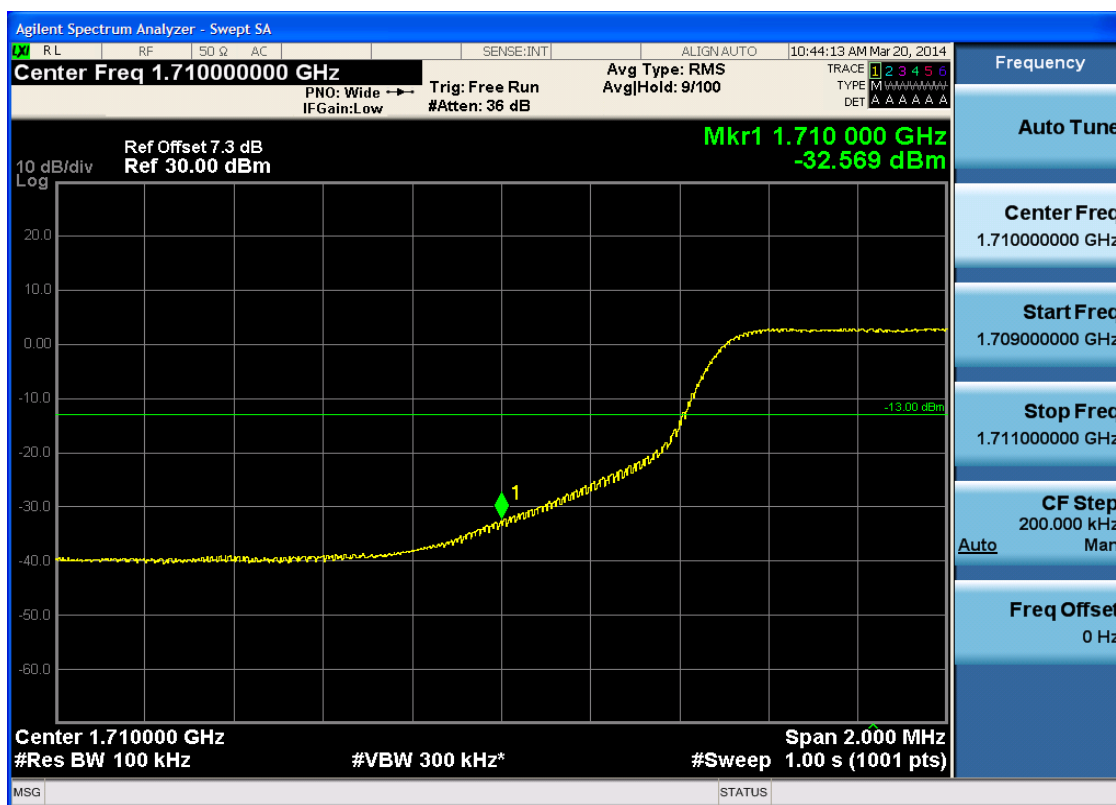




5.3.2.1.4.1.3 Test RB = RB25#13

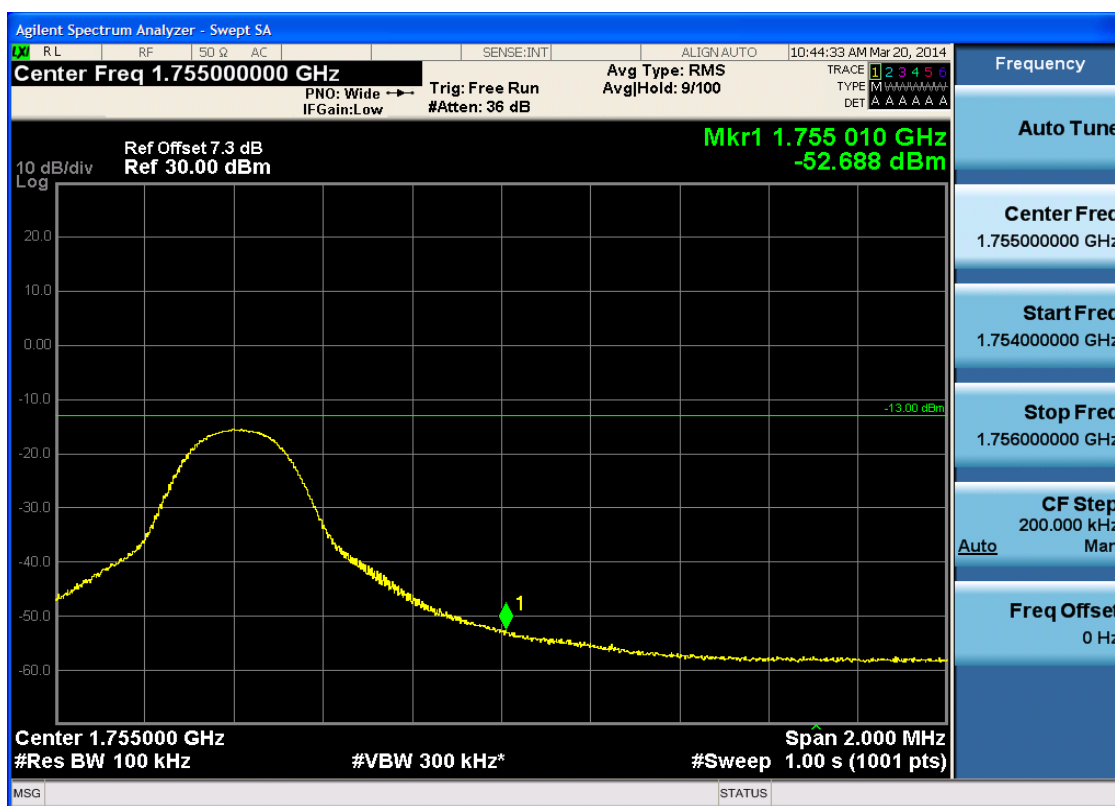


5.3.2.1.4.1.4 Test RB = RB50#0



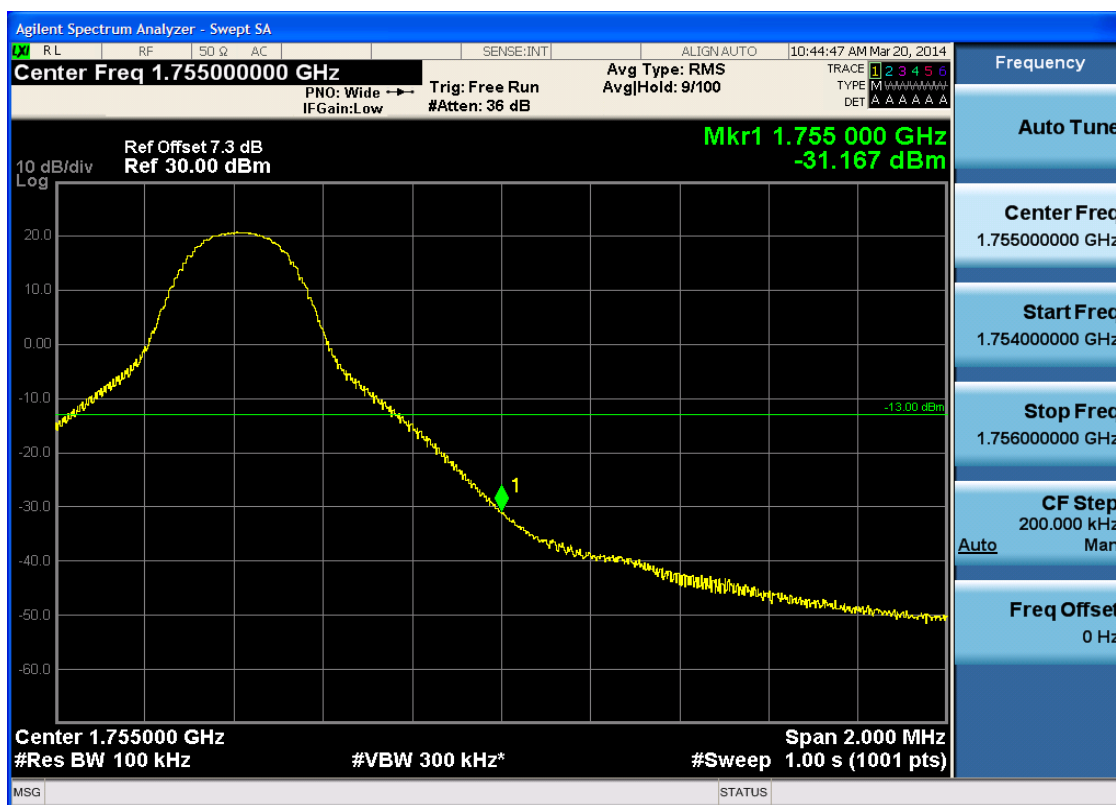
5.3.2.1.4.2 Test Channel = HCH

5.3.2.1.4.2.1 Test RB = RB1#0



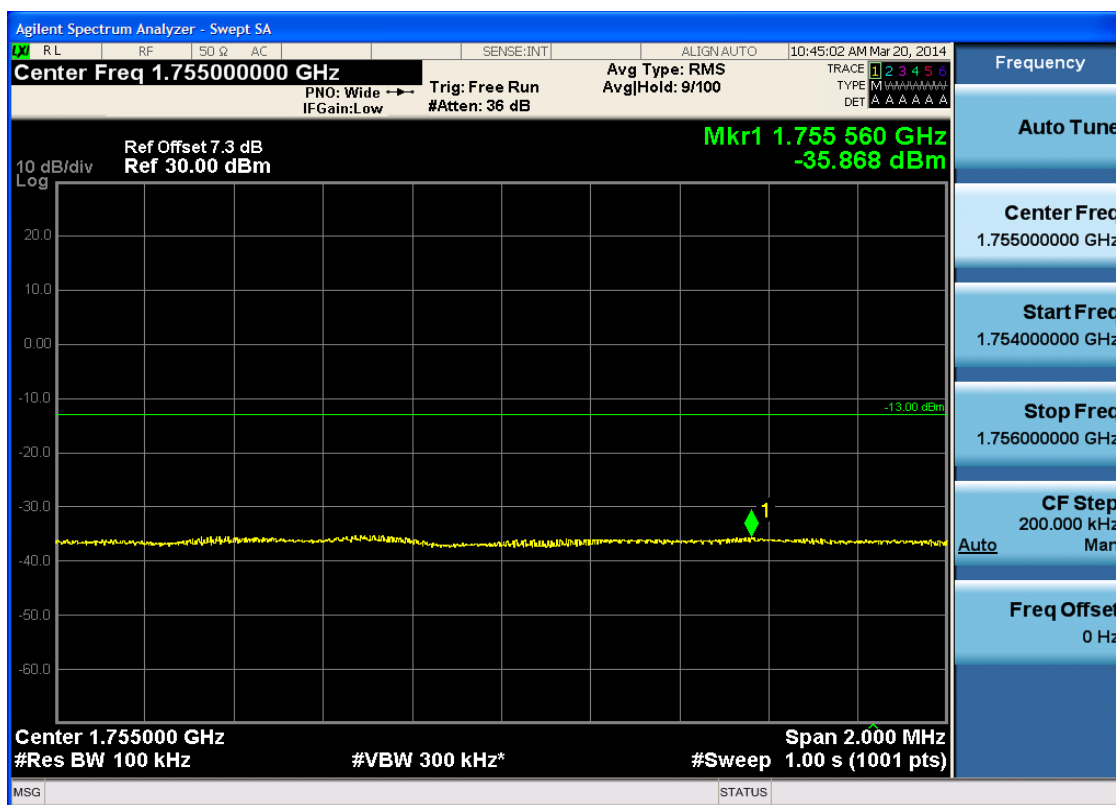


5.3.2.1.4.2.2 Test RB = RB1#49





5.3.2.1.4.2.3 Test RB = RB25#13





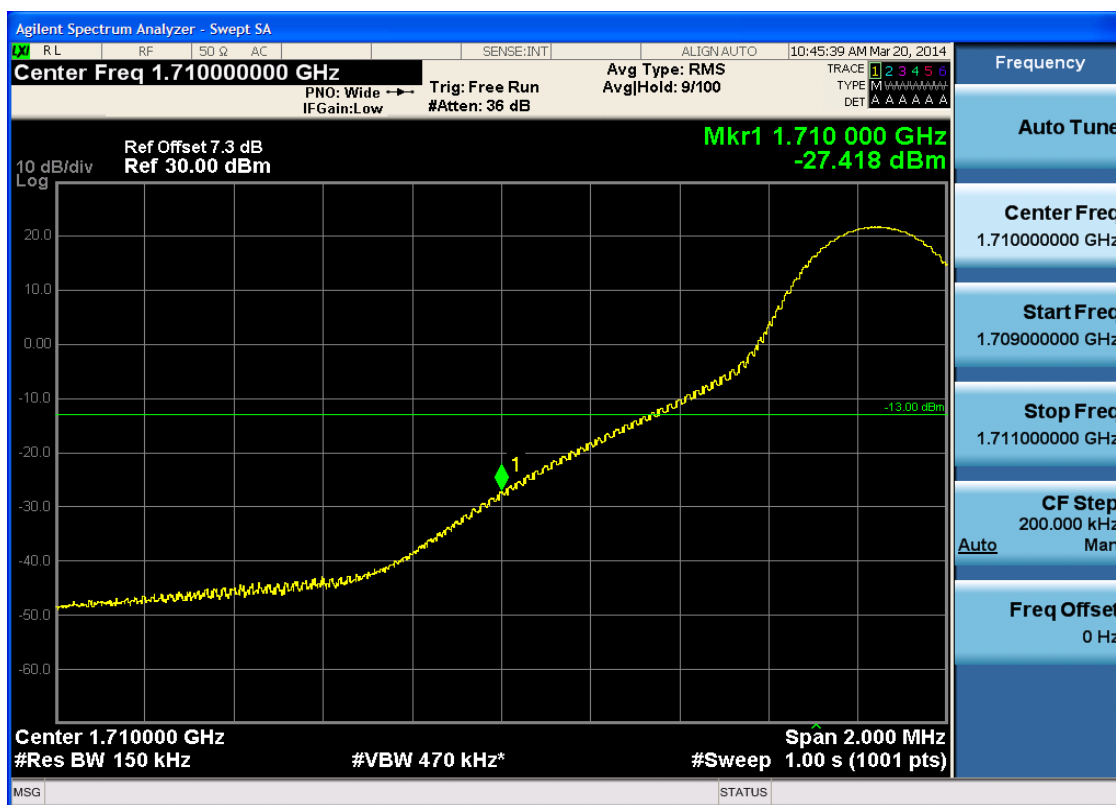
5.3.2.1.4.2.4 Test RB = RB50#0



5.3.2.1.5 Test Bandwidth = 15

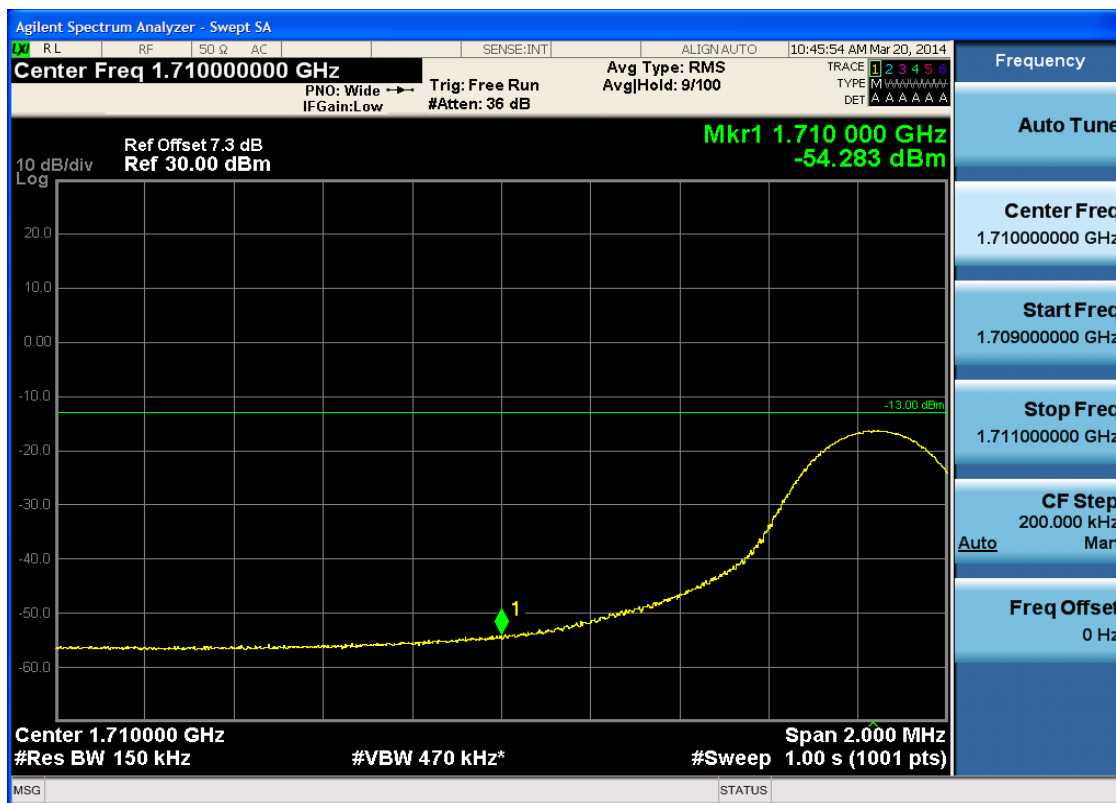
5.3.2.1.5.1 Test Channel = LCH

5.3.2.1.5.1.1 Test RB = RB1#0



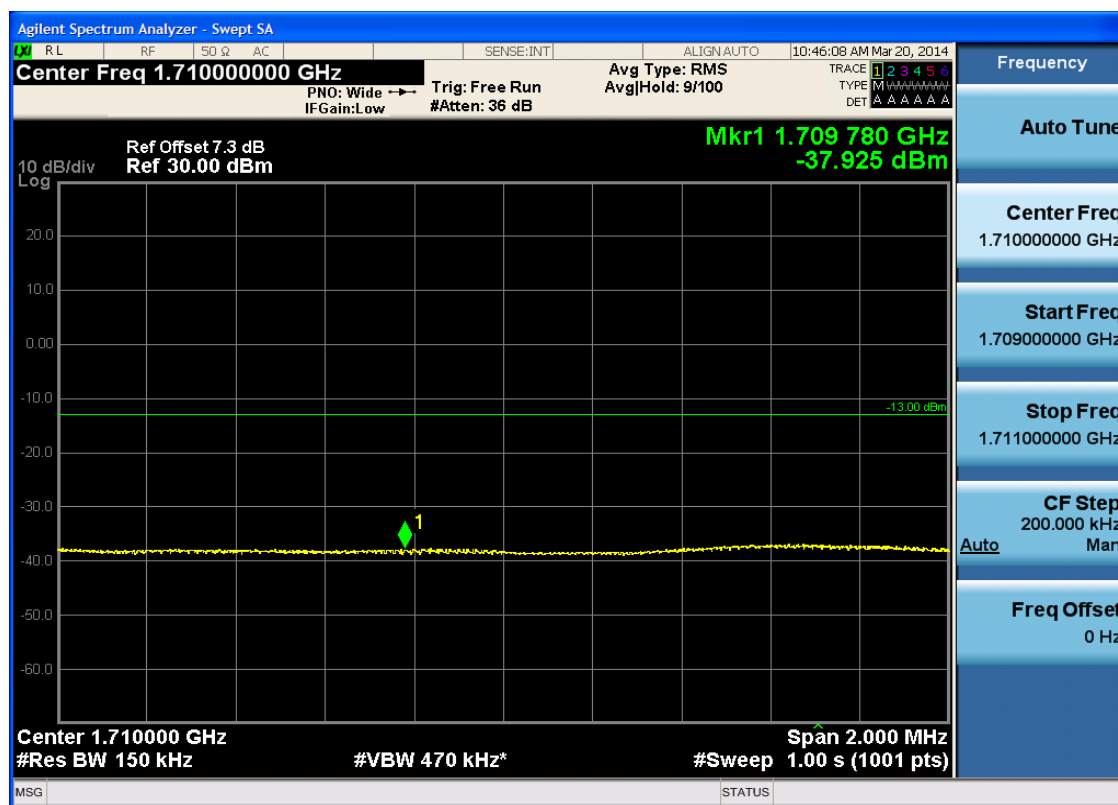


5.3.2.1.5.1.2 Test RB = RB1#74



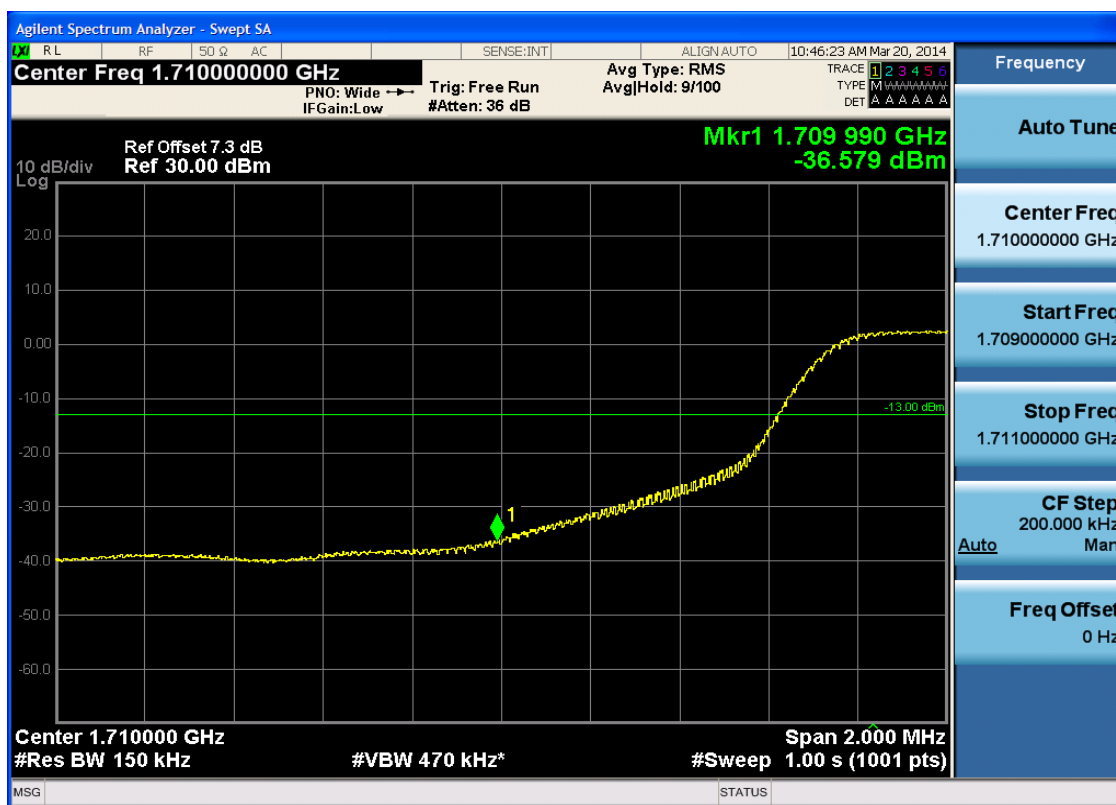


5.3.2.1.5.1.3 Test RB = RB38#19





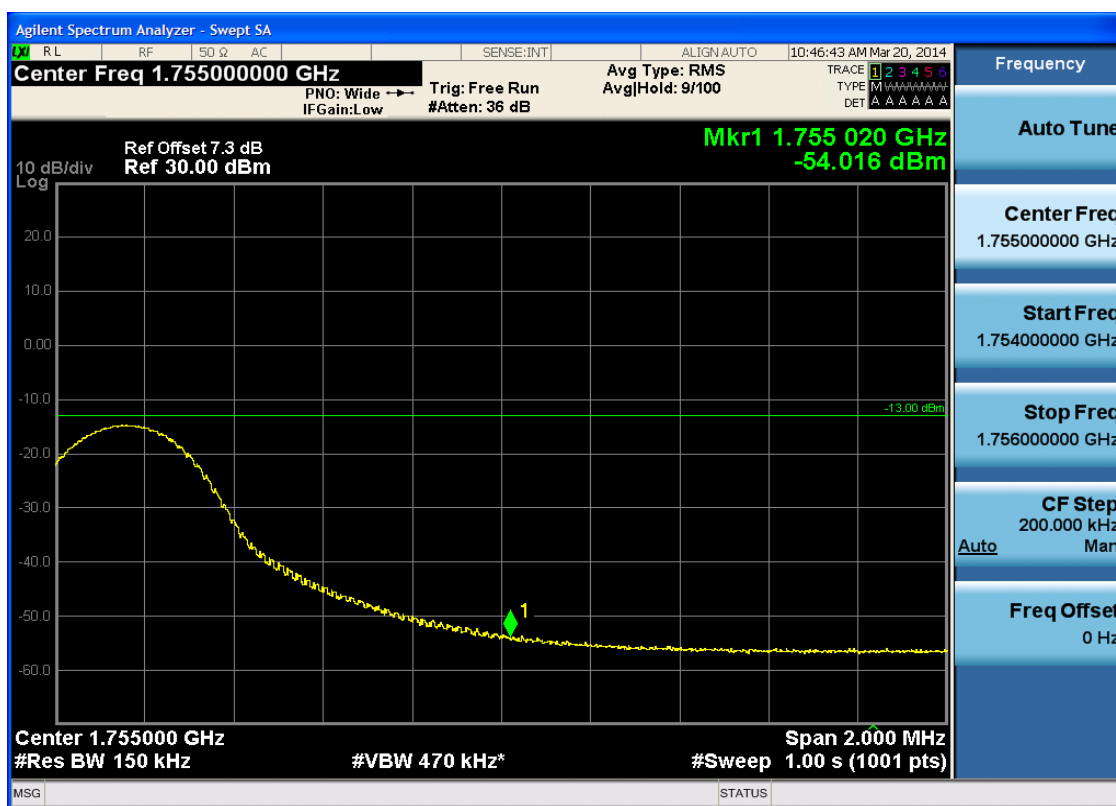
5.3.2.1.5.1.4 Test RB = RB75#0



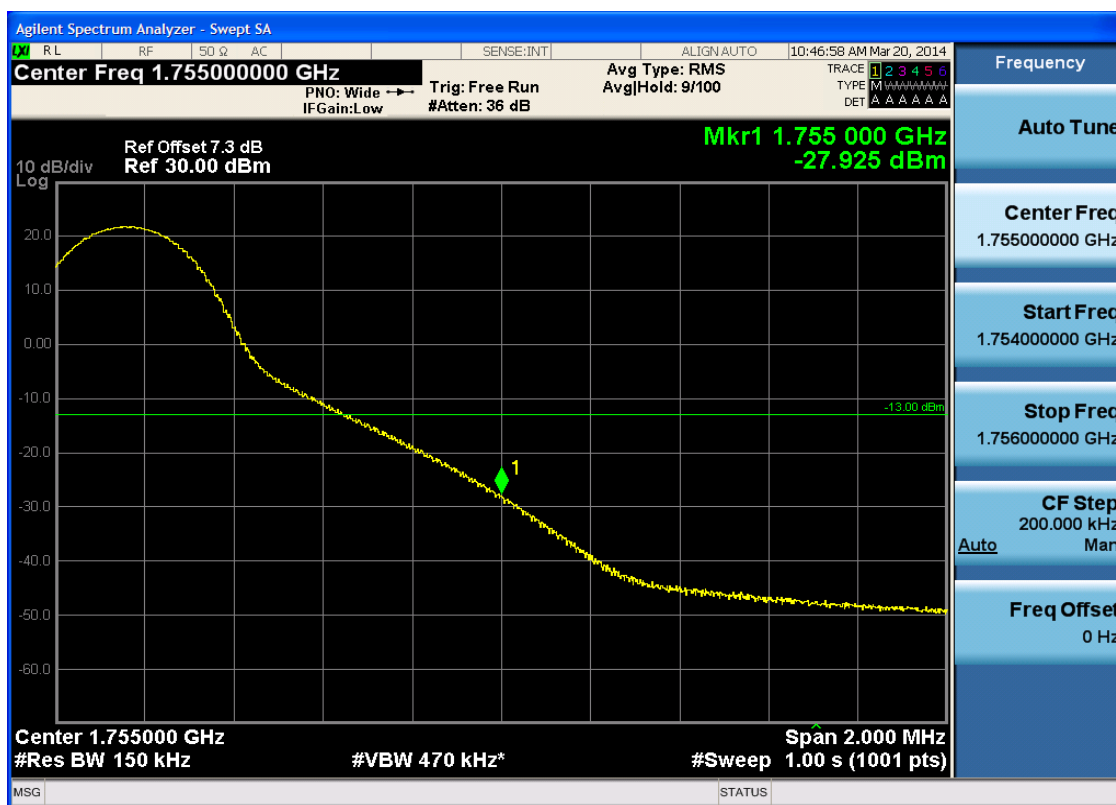


5.3.2.1.5.2 Test Channel = HCH

5.3.2.1.5.2.1 Test RB = RB1#0

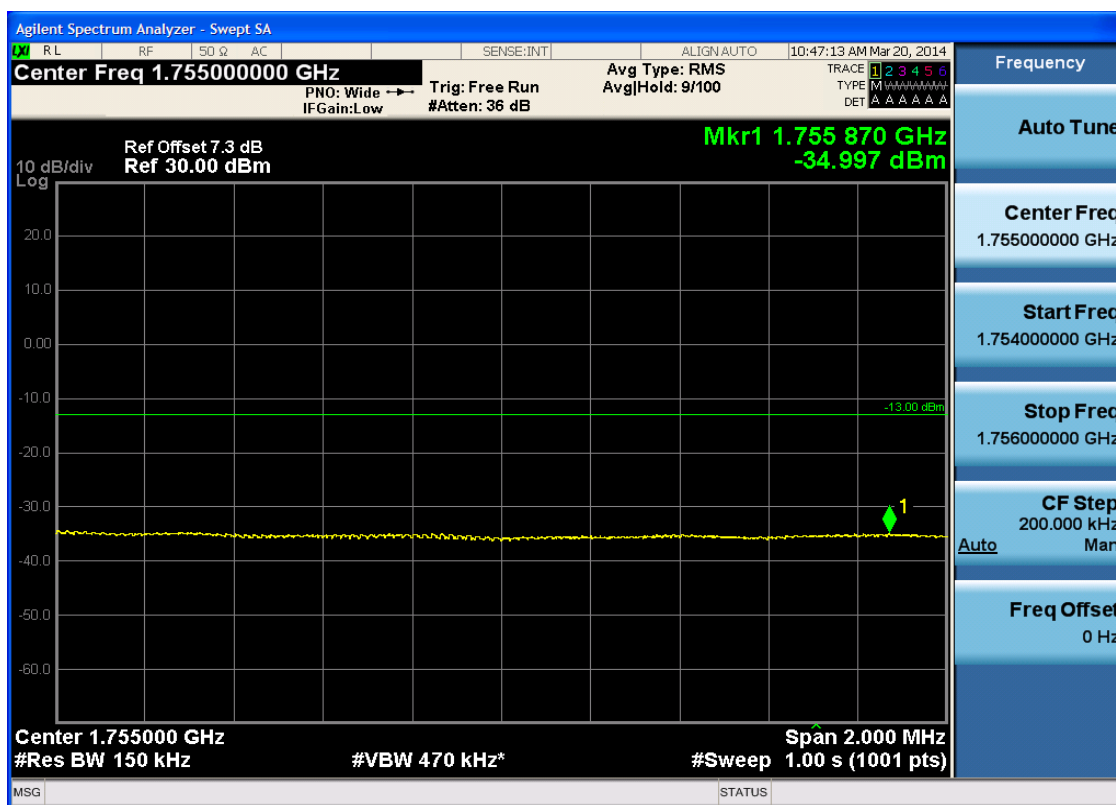


5.3.2.1.5.2.2 Test RB = RB1#74





5.3.2.1.5.2.3 Test RB = RB38#19





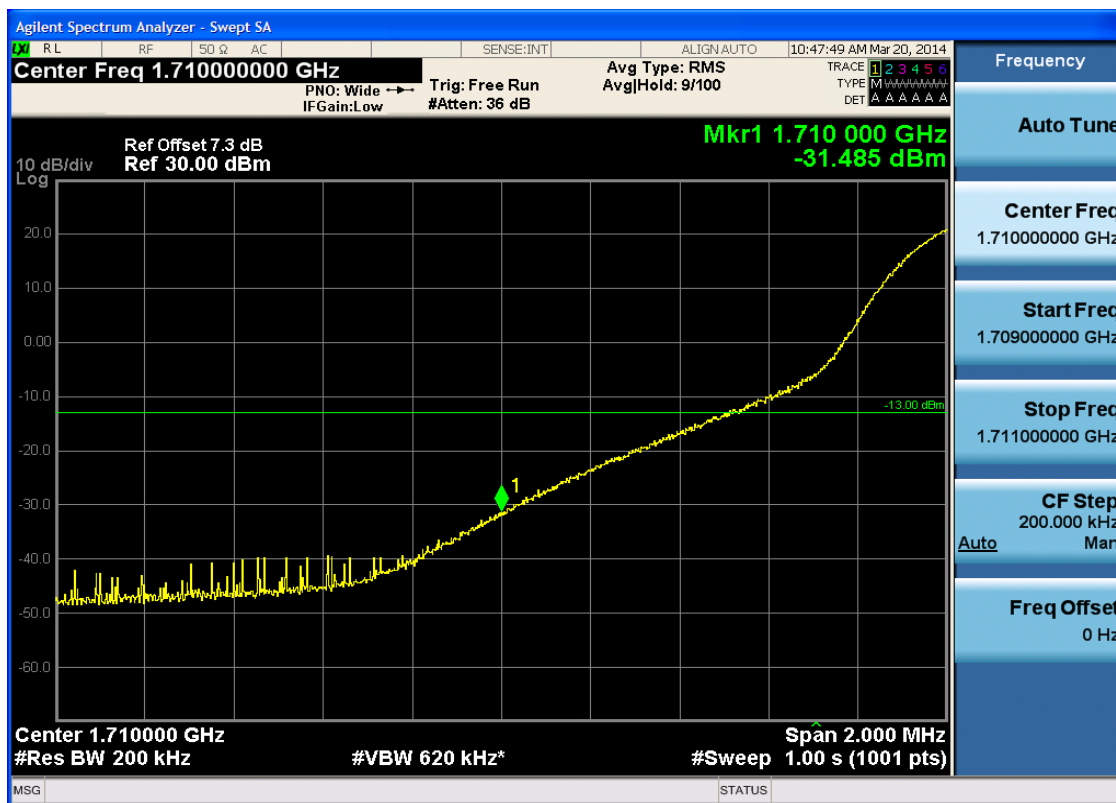
5.3.2.1.5.2.4 Test RB = RB75#0



5.3.2.1.6 Test Bandwidth = 20

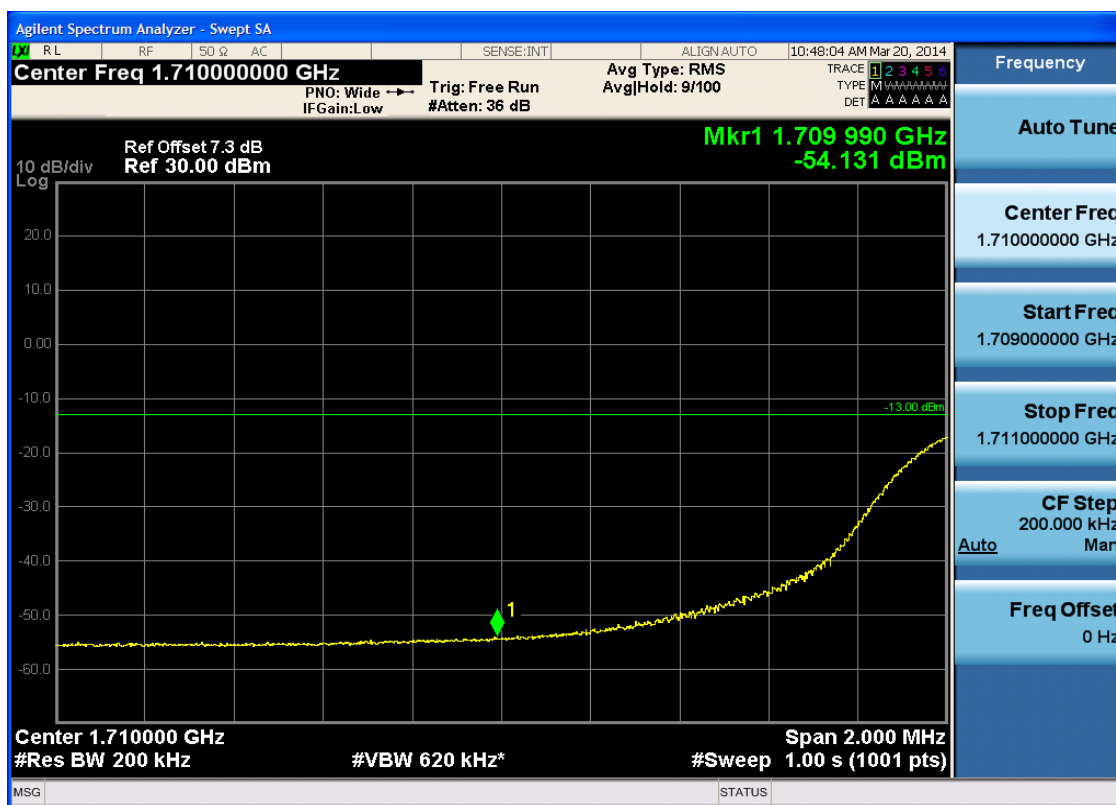
5.3.2.1.6.1 Test Channel = LCH

5.3.2.1.6.1.1 Test RB = RB1#0



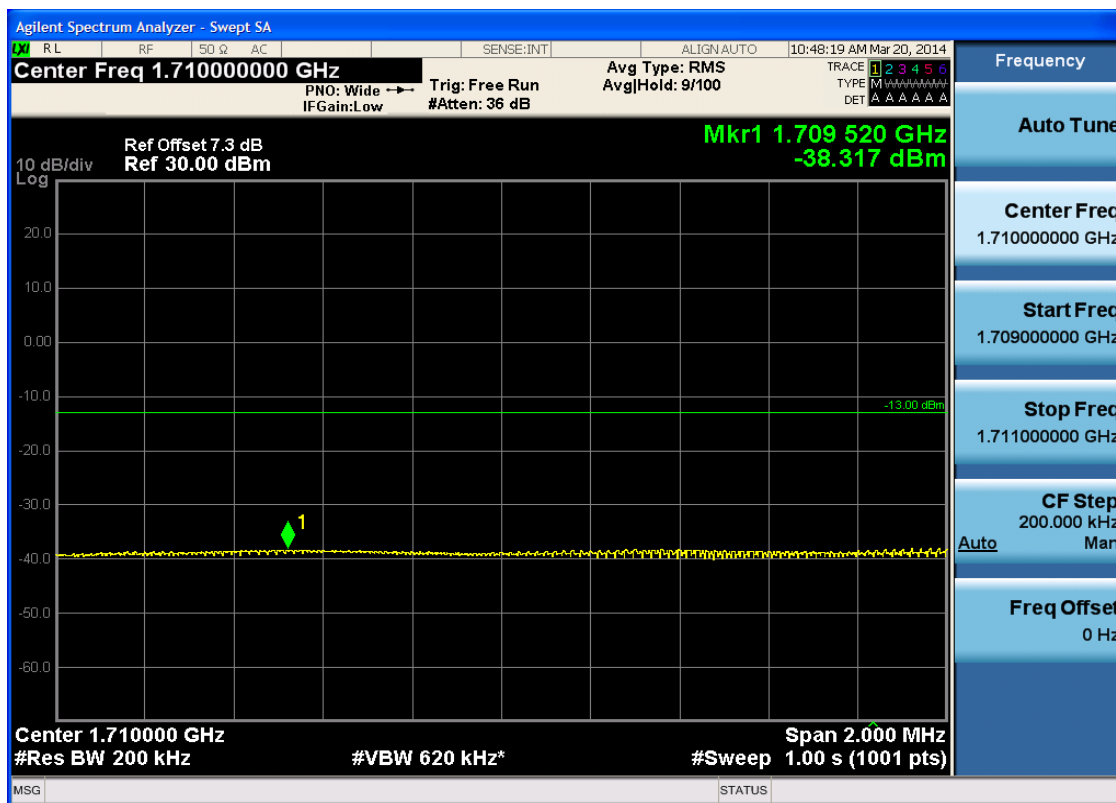


5.3.2.1.6.1.2 Test RB = RB1#99



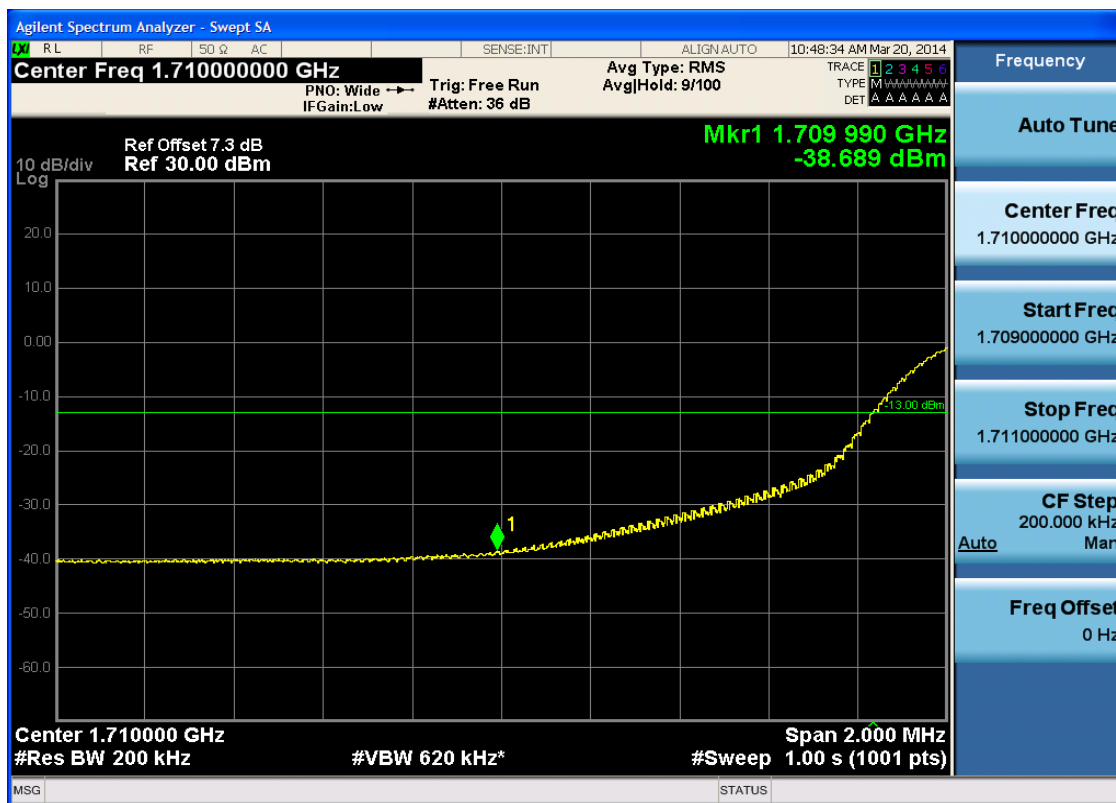


5.3.2.1.6.1.3 Test RB = RB50#25





5.3.2.1.6.1.4 Test RB = RB100#0





5.3.2.1.6.2 Test Channel = HCH

5.3.2.1.6.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

☒ R L RF 50 Ω AC SENSE:INT ALIGN:AUTO 10:49:09 AM Mar 20, 2014

Center Freq 1.755000000 GHz Avg Type: RMS PNO: Wide → Trig: Free Run Avg|Hold: 9/100 TRACE 1 2 3 4 5 6
 IF Gain: Low #Atten: 36 dB TYPE M W W W W W W W W W DET A A A A A A A

Ref Offset 7.3 dB **Mkr1 1.755 000 GHz**
 Ref 30.00 dBm **-31.808 dBm**

10 dB/div Log
 20.0
 10.0
 0.00
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0

-13.00 dBm

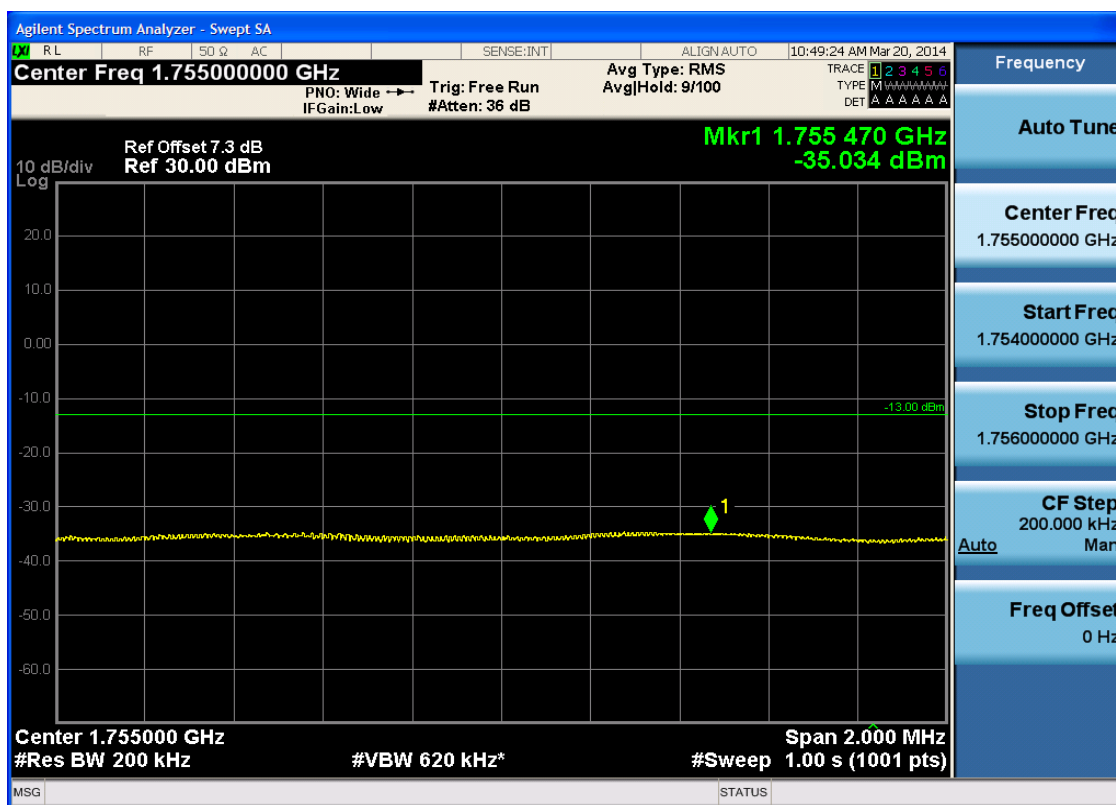
Center 1.755000 GHz **Span 2.000 MHz**
#Res BW 200 kHz **#VBW 620 kHz*** **#Sweep 1.00 s (1001 pts)**

MSG STATUS

Frequency
 Auto Tune
 Center Freq
 1.755000000 GHz
 Start Freq
 1.754000000 GHz
 Stop Freq
 1.756000000 GHz
 CF Step
 200.000 kHz
 Man
 Auto
 Freq Offset
 0 Hz

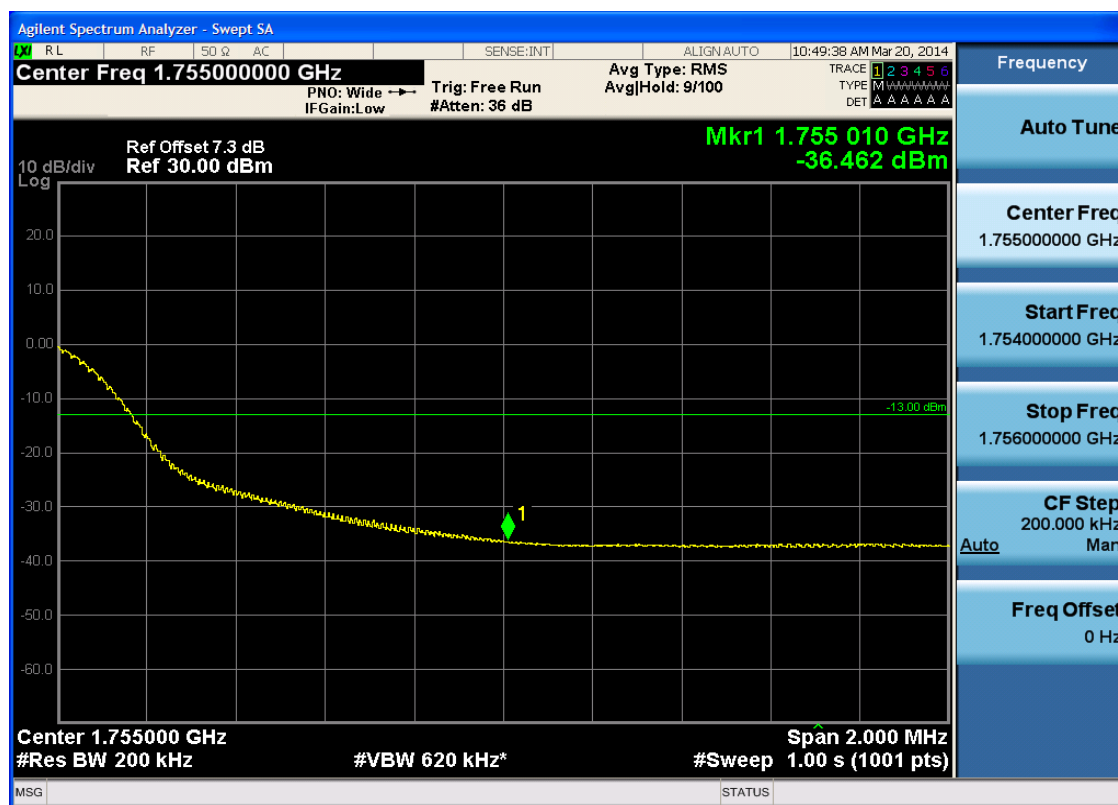


5.3.2.1.6.2.3 Test RB = RB50#25





5.3.2.1.6.2.4 Test RB = RB100#0

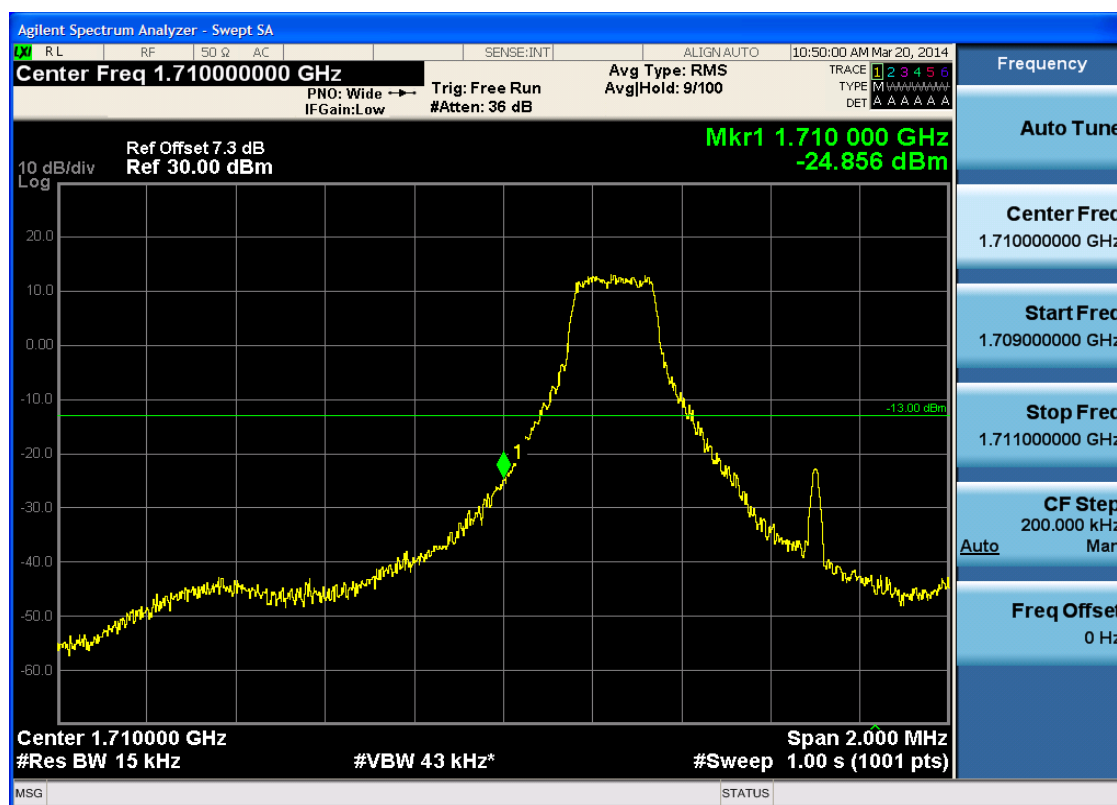


5.3.2.2 Test Mode = LTE/TM2

5.3.2.2.1 Test Bandwidth = 1.4

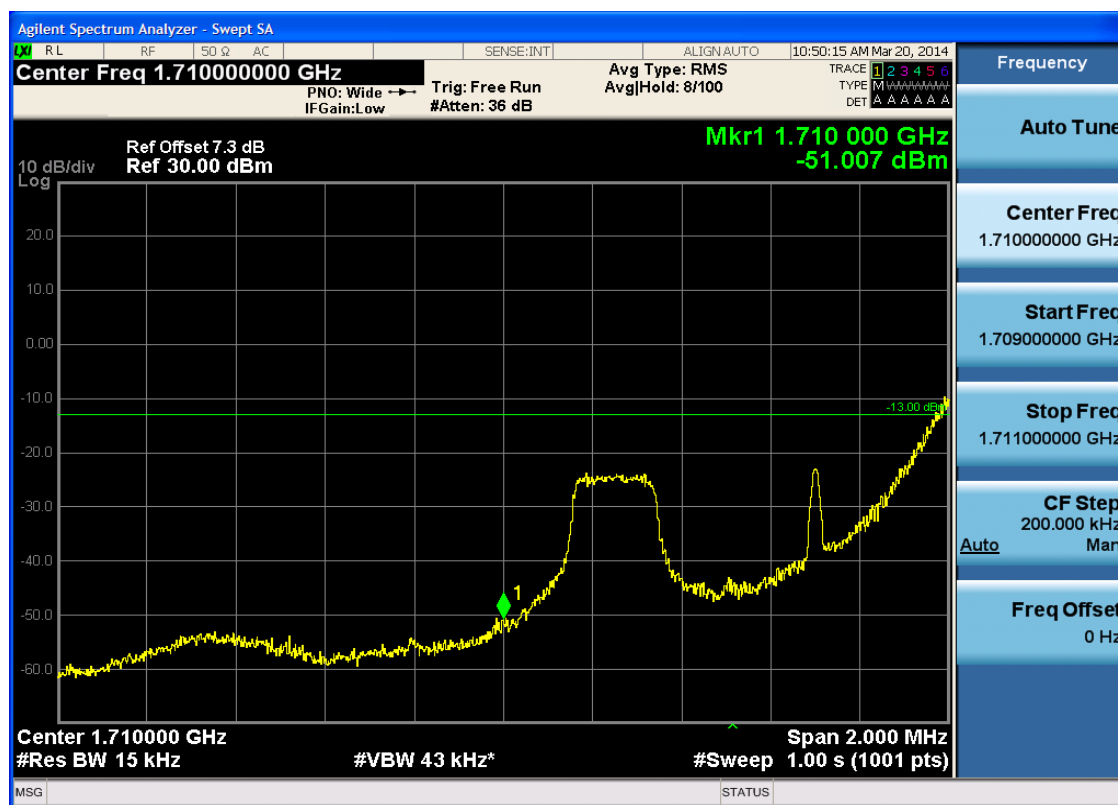
5.3.2.2.1.1 Test Channel = LCH

5.3.2.2.1.1.1 Test RB = RB1#0



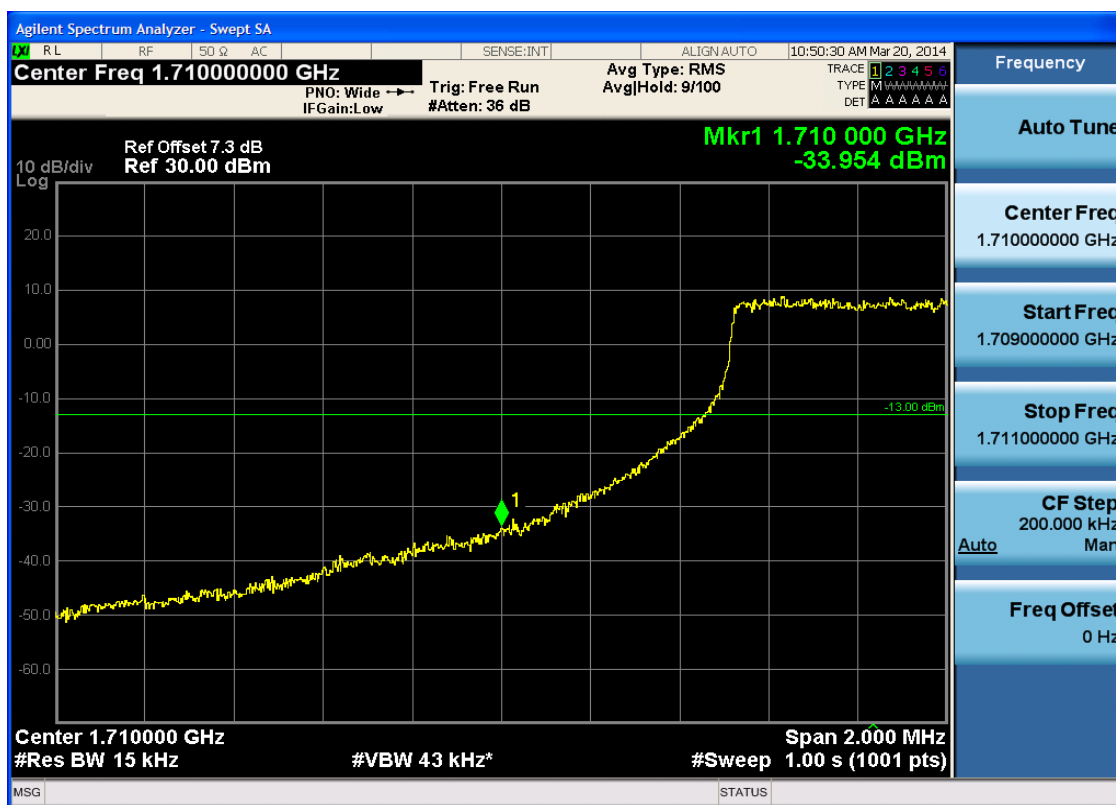


5.3.2.2.1.1.2 Test RB = RB1#5

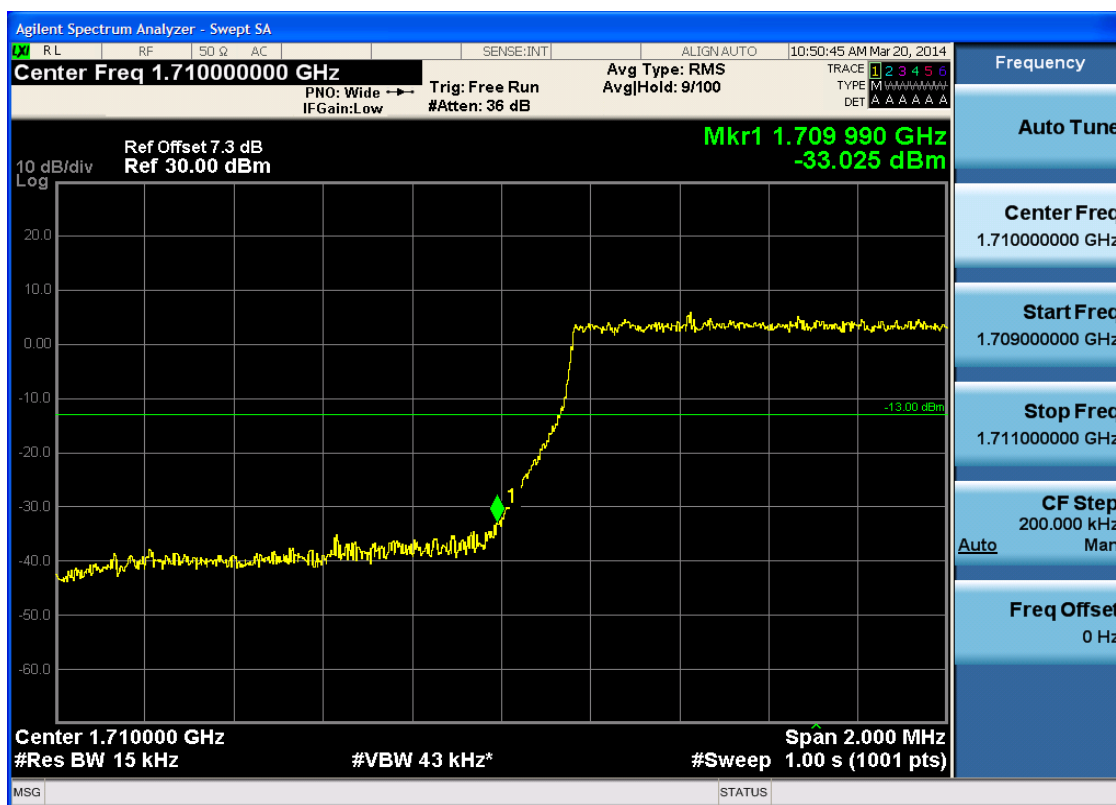




5.3.2.2.1.1.3 Test RB = RB3#2

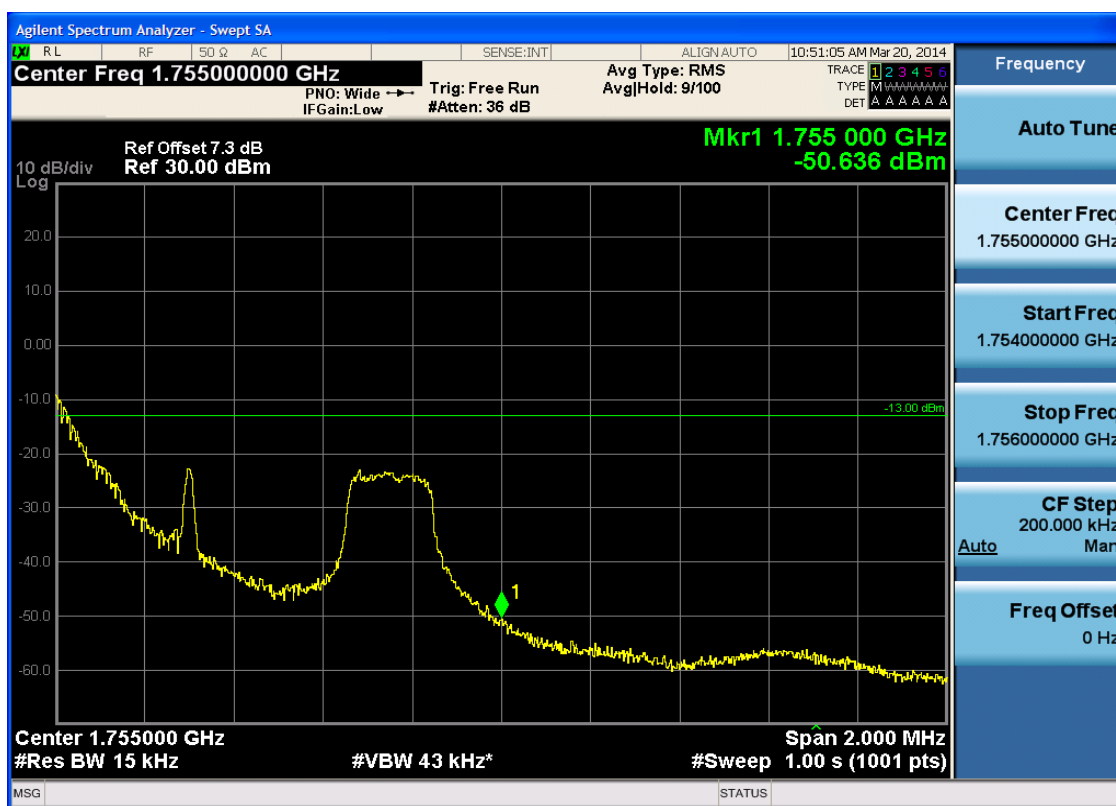


5.3.2.2.1.1.4 Test RB = RB6#0



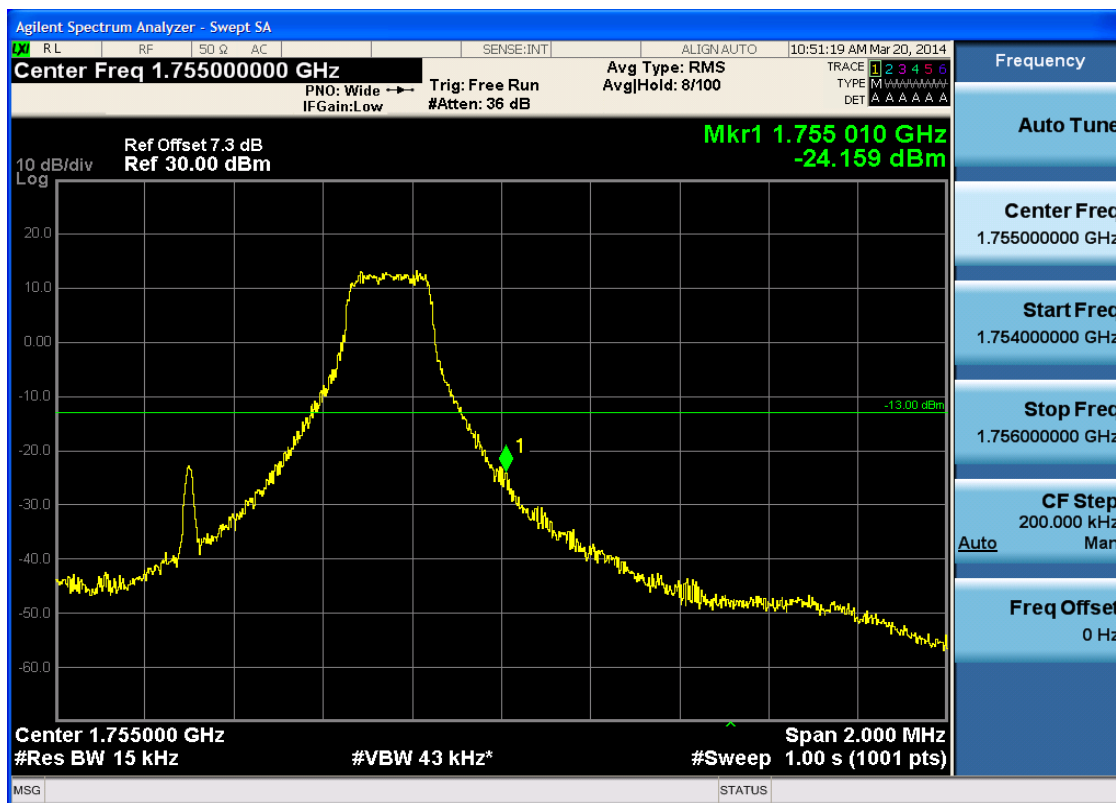
5.3.2.2.1.2 Test Channel = HCH

5.3.2.2.1.2.1 Test RB = RB1#0





5.3.2.2.1.2.2 Test RB = RB1#5





5.3.2.2.1.2.3 Test RB = RB3#2

