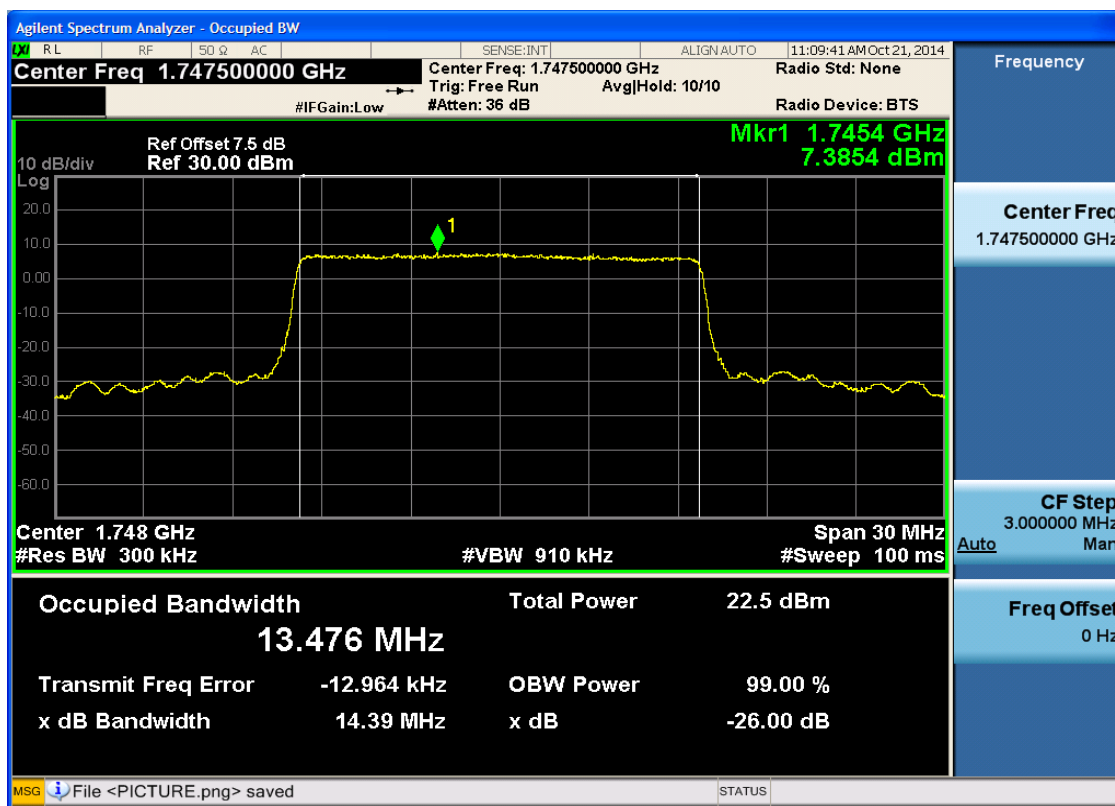




4.3.2.1.3.3 Test Channel = HCH

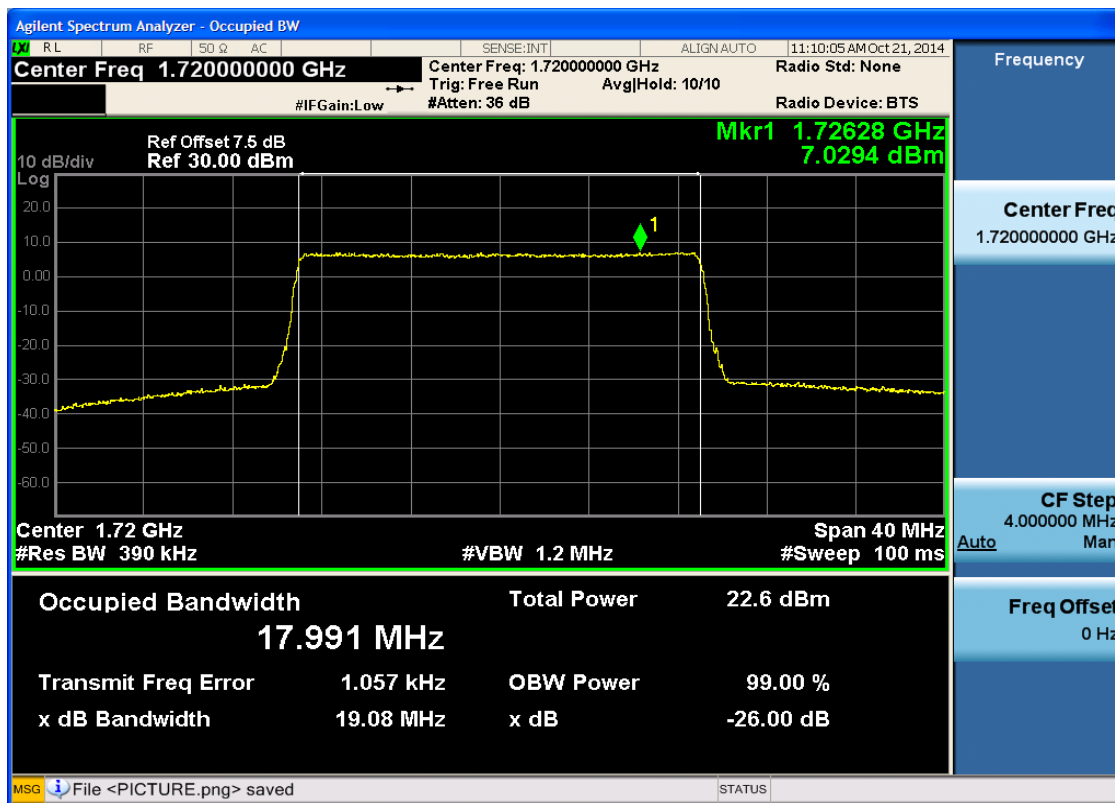
4.3.2.1.3.3.1 Test RB = RB75#0



4.3.2.1.4 Test Bandwidth = 20

4.3.2.1.4.1 Test Channel = LCH

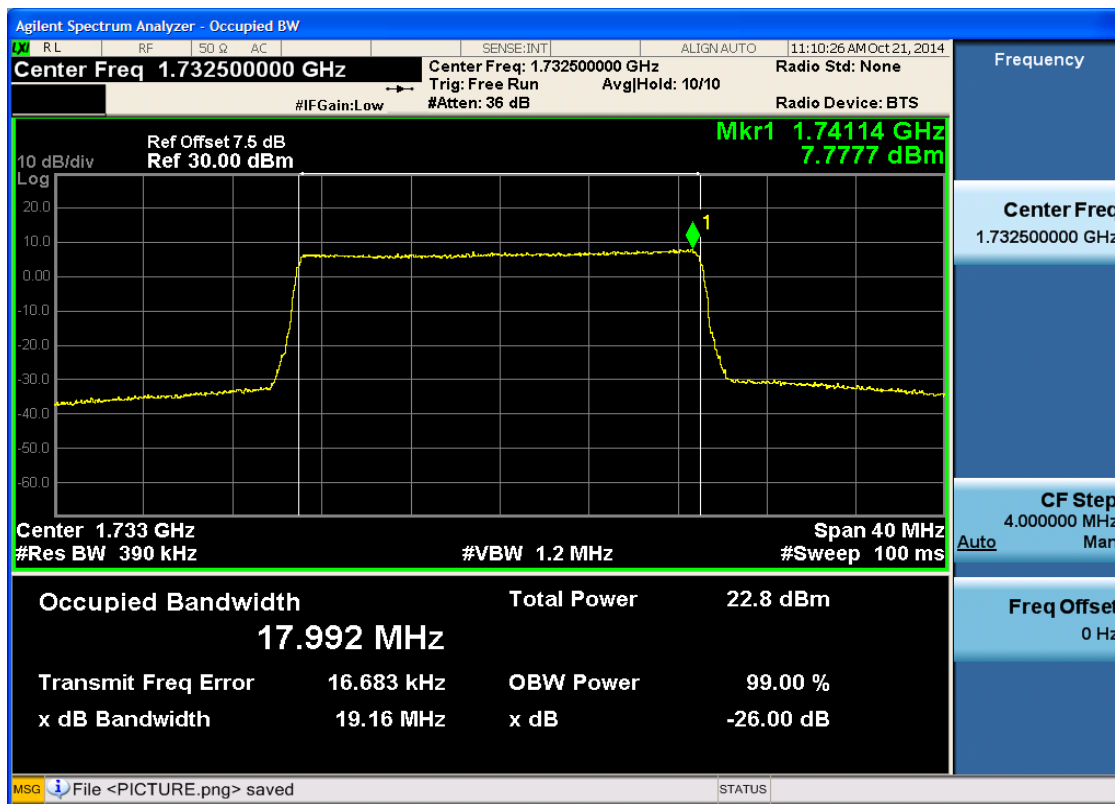
4.3.2.1.4.1.1 Test RB = RB100#0





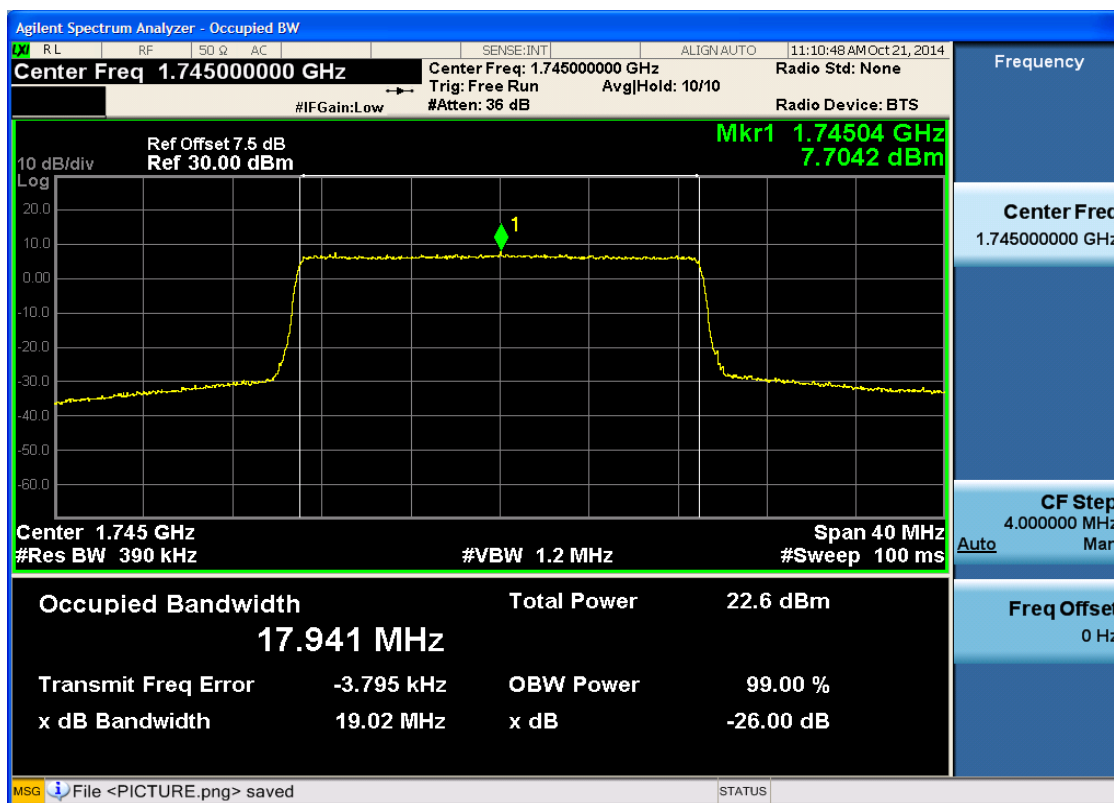
4.3.2.1.4.2 Test Channel = MCH

4.3.2.1.4.2.1 Test RB = RB100#0



4.3.2.1.4.3 Test Channel = HCH

4.3.2.1.4.3.1 Test RB = RB100#0

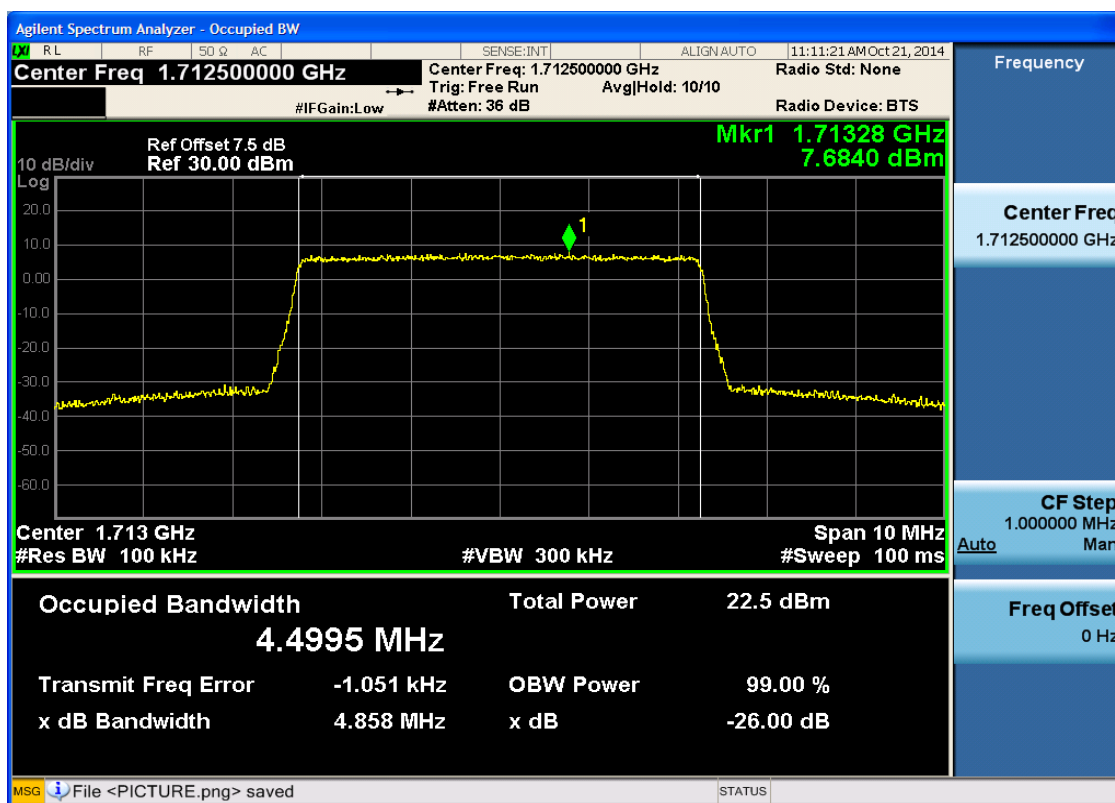


4.3.2.2 Test Mode = LTE/TM2

4.3.2.2.1 Test Bandwidth = 5

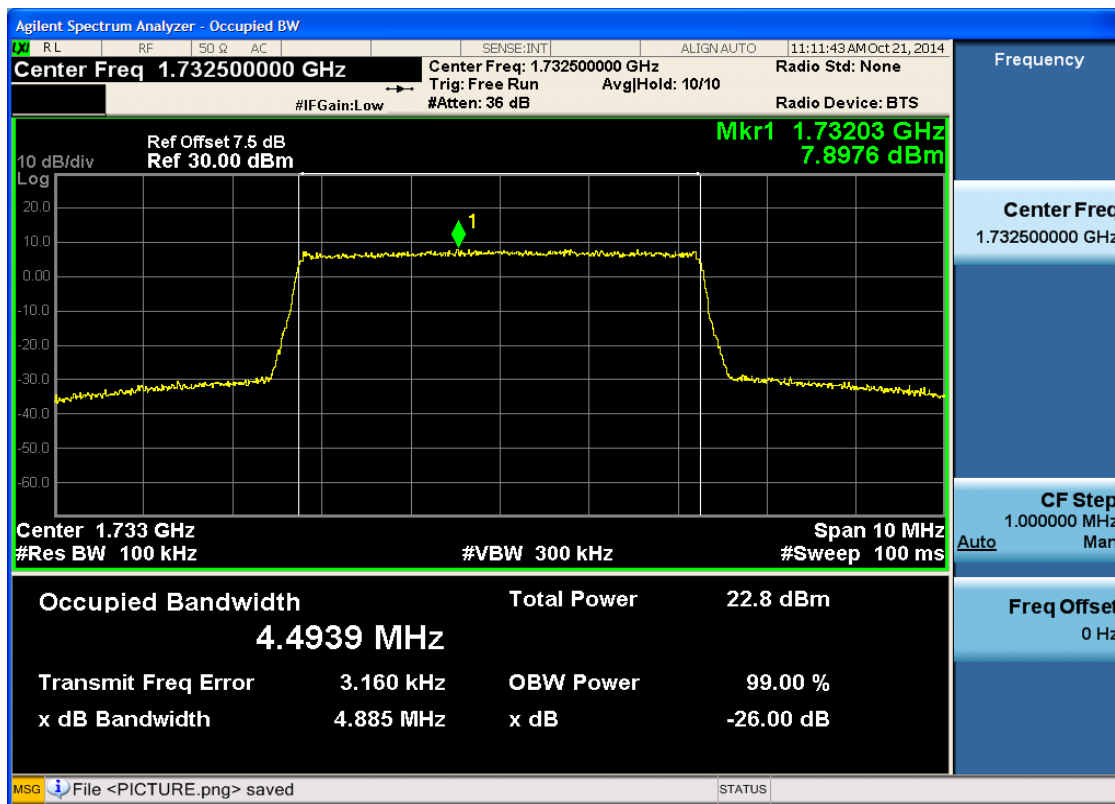
4.3.2.2.1.1 Test Channel = LCH

4.3.2.2.1.1.1 Test RB = RB25#0



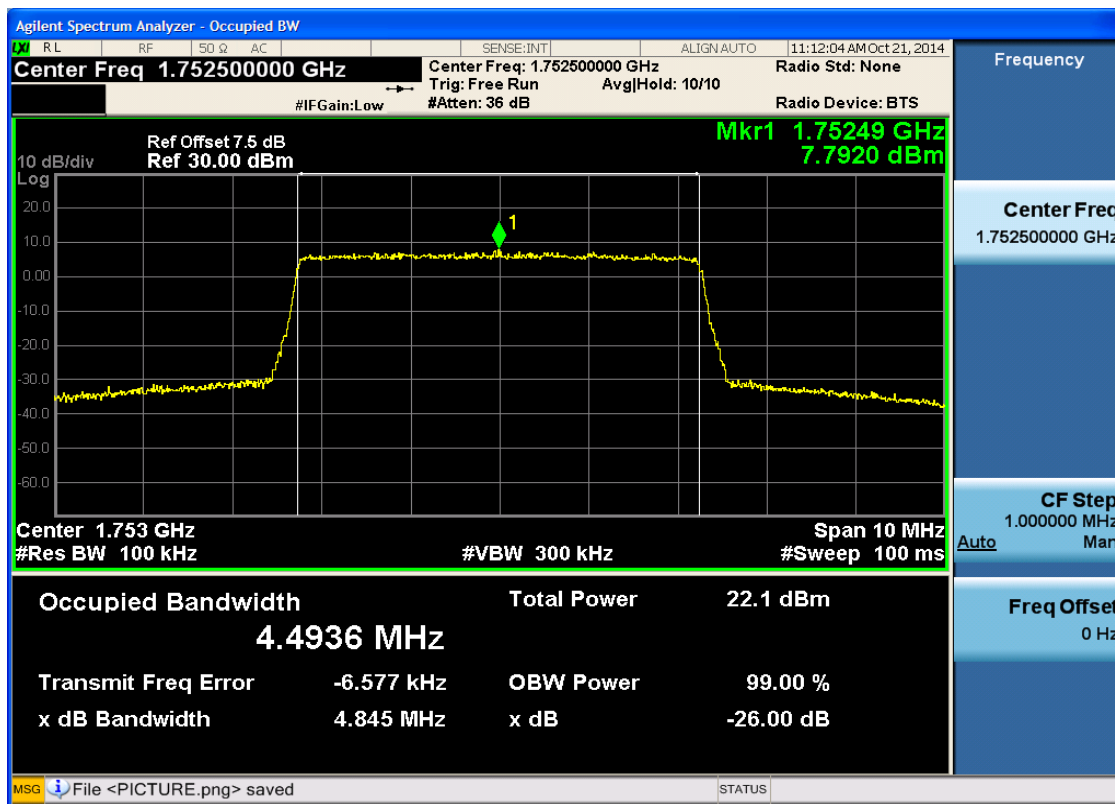
4.3.2.2.1.2 Test Channel = MCH

4.3.2.2.1.2.1 Test RB = RB25#0



4.3.2.2.1.3 Test Channel = HCH

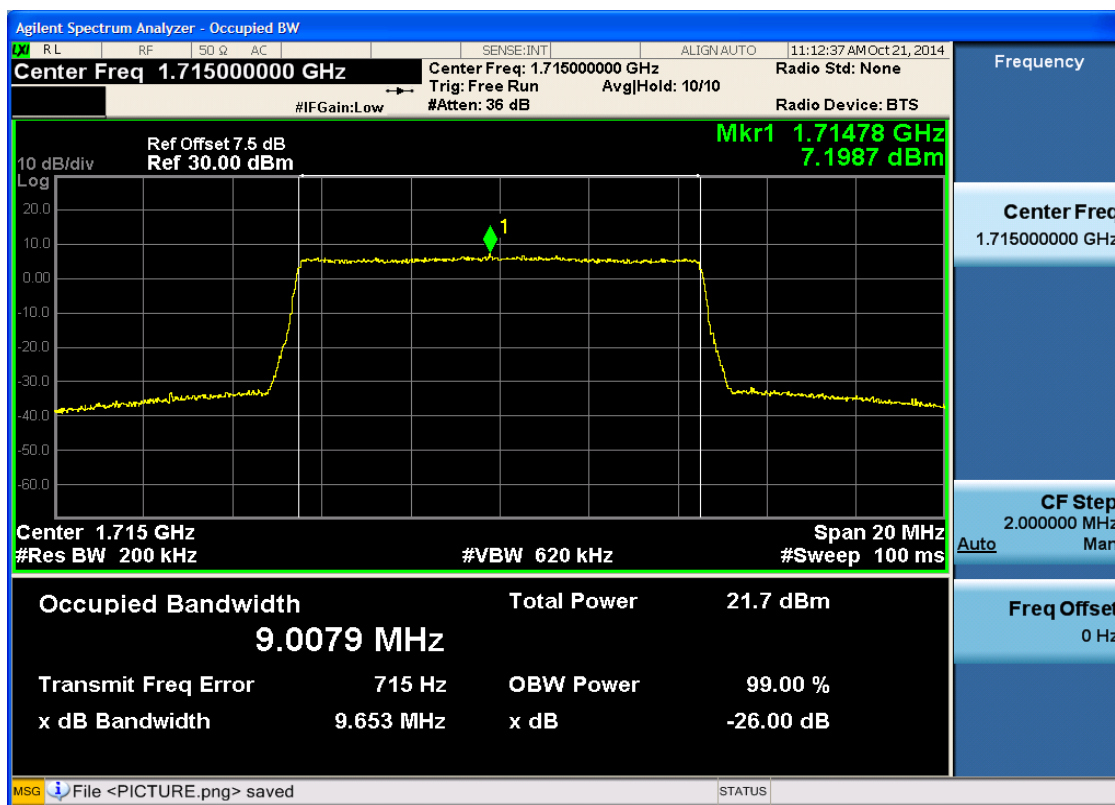
4.3.2.2.1.3.1 Test RB = RB25#0



4.3.2.2.2 Test Bandwidth = 10

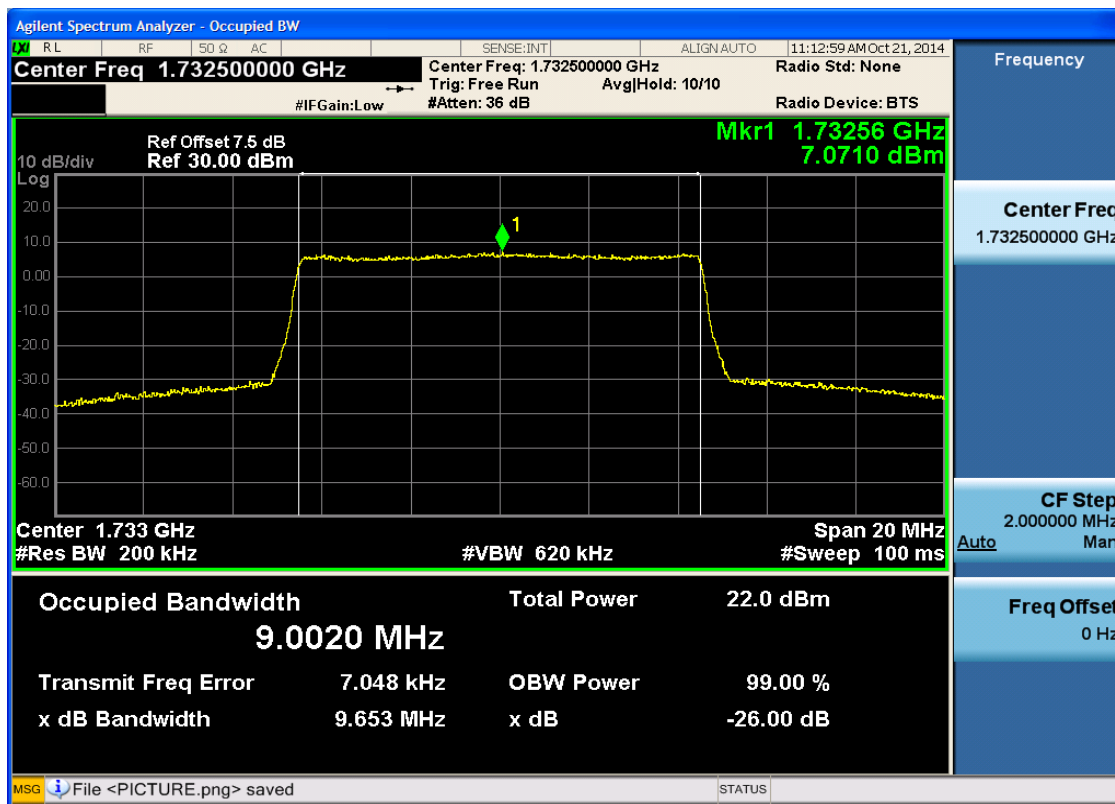
4.3.2.2.2.1 Test Channel = LCH

4.3.2.2.2.1.1 Test RB = RB50#0



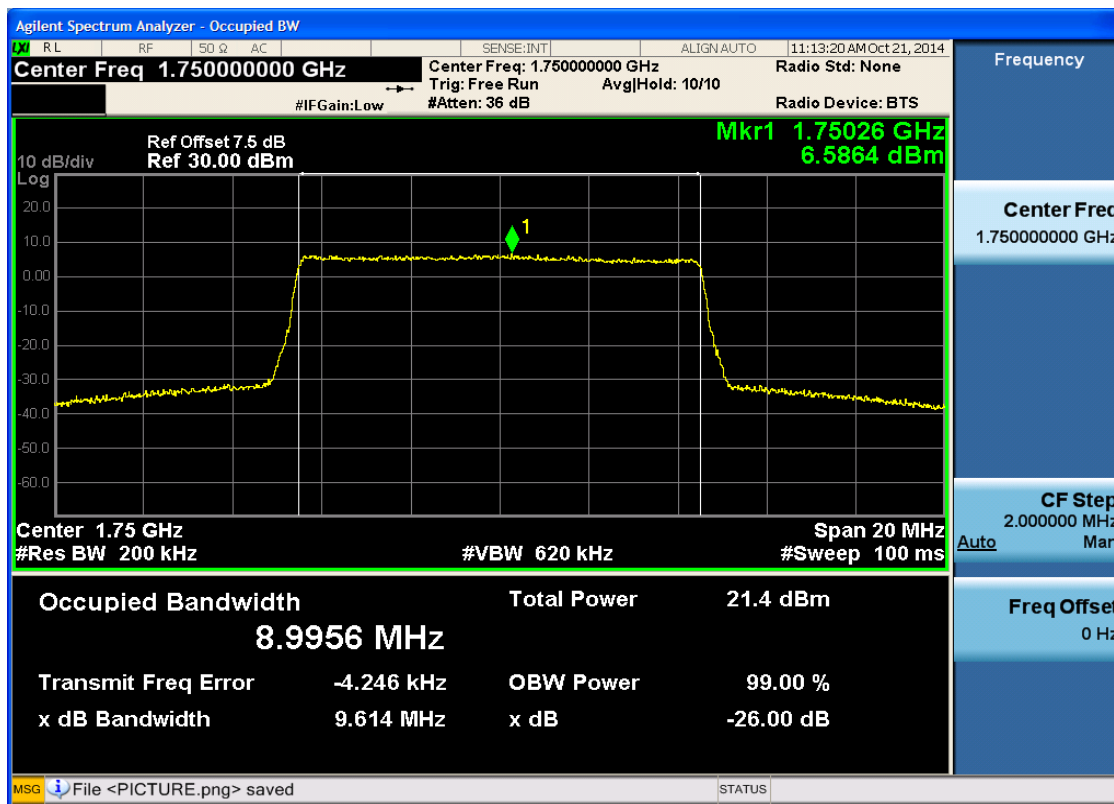
4.3.2.2.2 Test Channel = MCH

4.3.2.2.2.1 Test RB = RB50#0



4.3.2.2.2.3 Test Channel = HCH

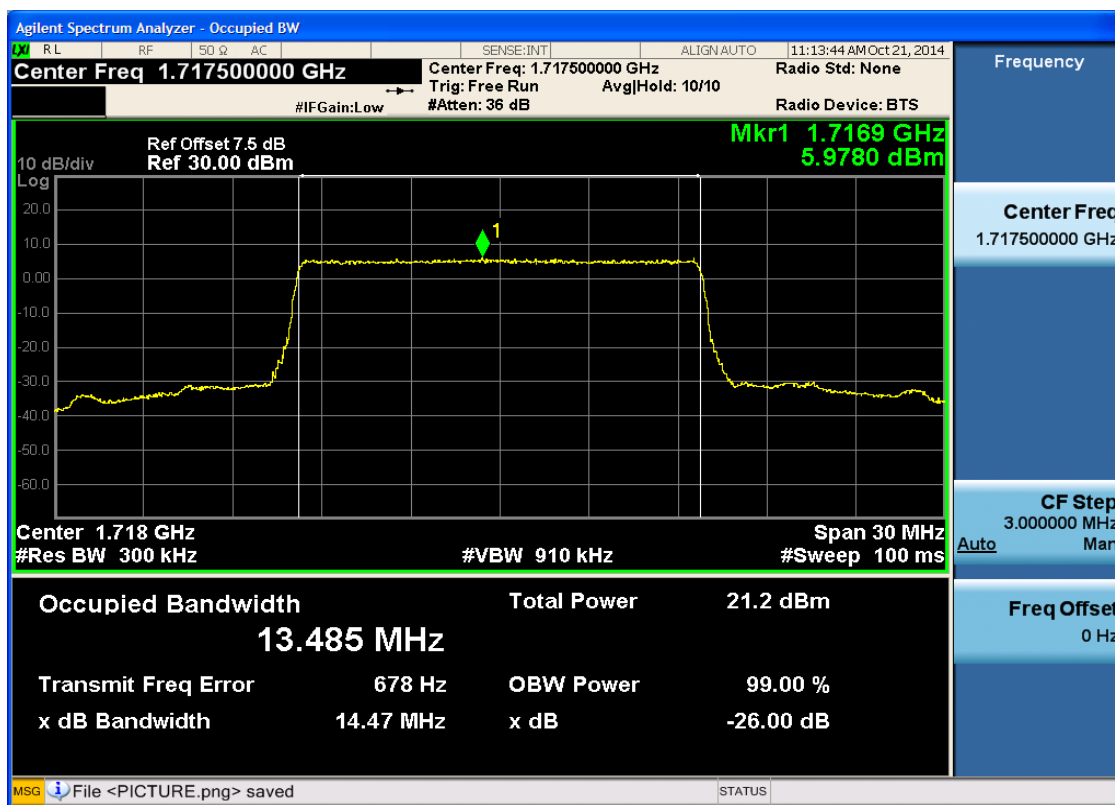
4.3.2.2.2.3.1 Test RB = RB50#0



4.3.2.2.3 Test Bandwidth = 15

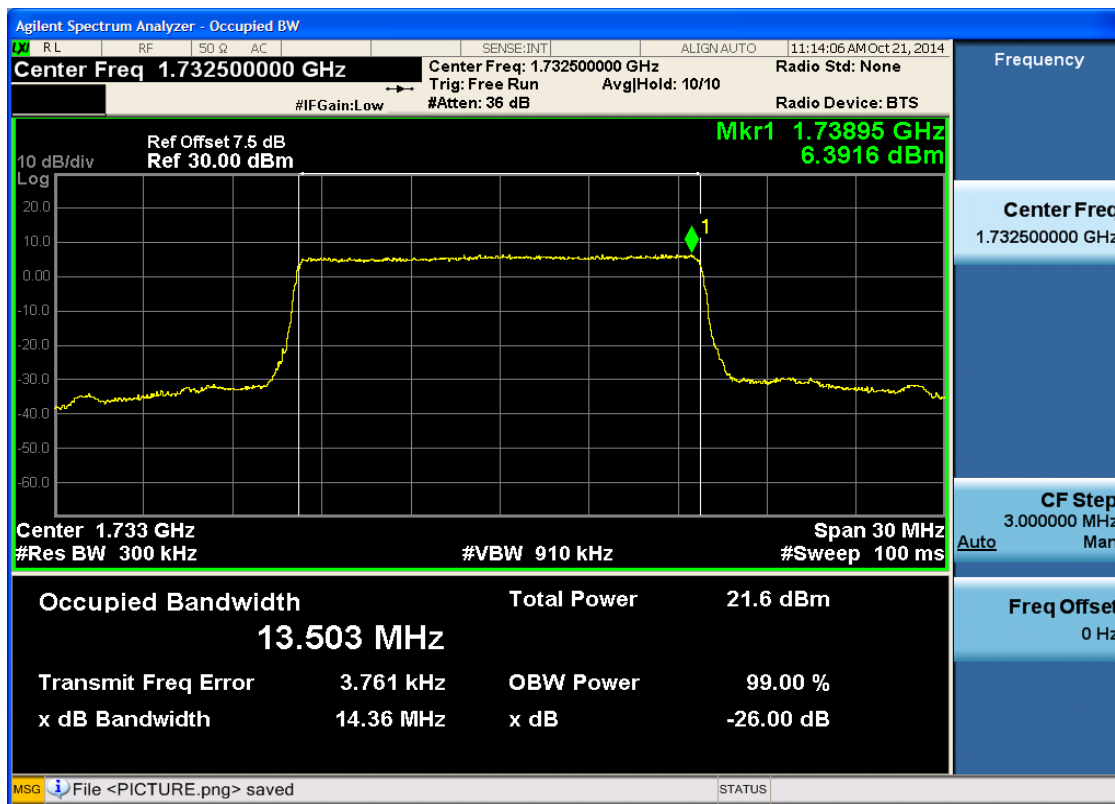
4.3.2.2.3.1 Test Channel = LCH

4.3.2.2.3.1.1 Test RB = RB75#0



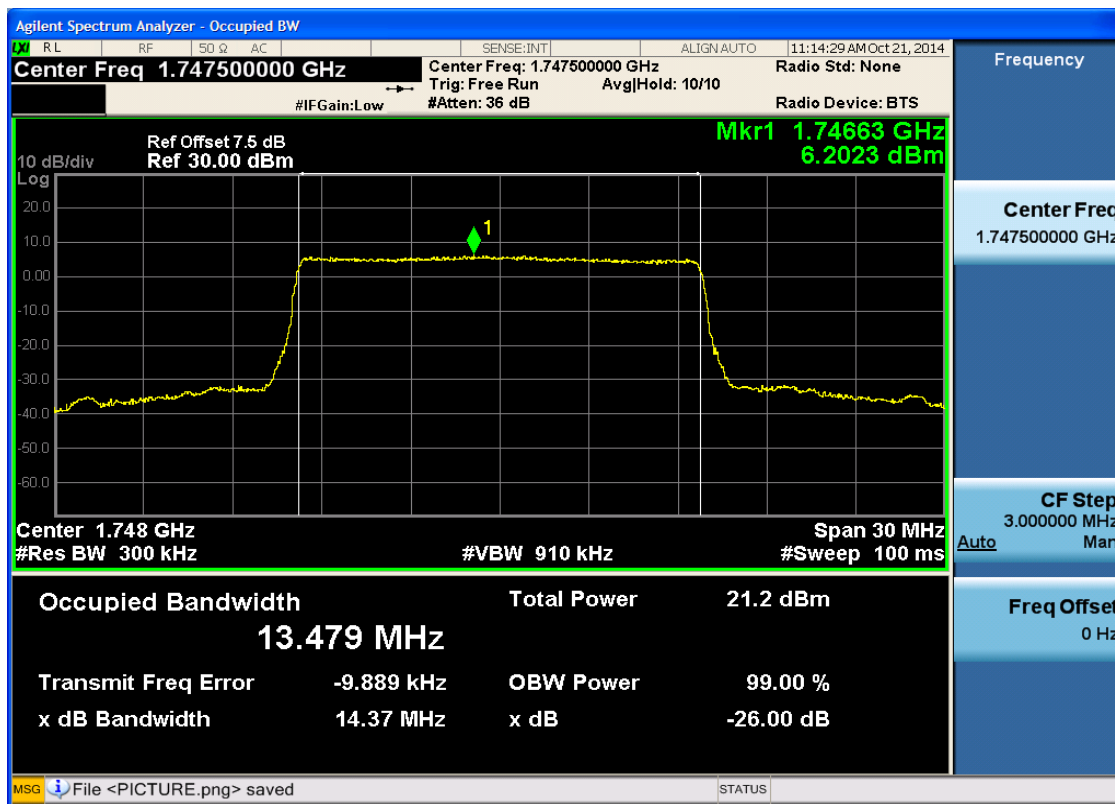
4.3.2.2.3.2 Test Channel = MCH

4.3.2.2.3.2.1 Test RB = RB75#0



4.3.2.2.3.3 Test Channel = HCH

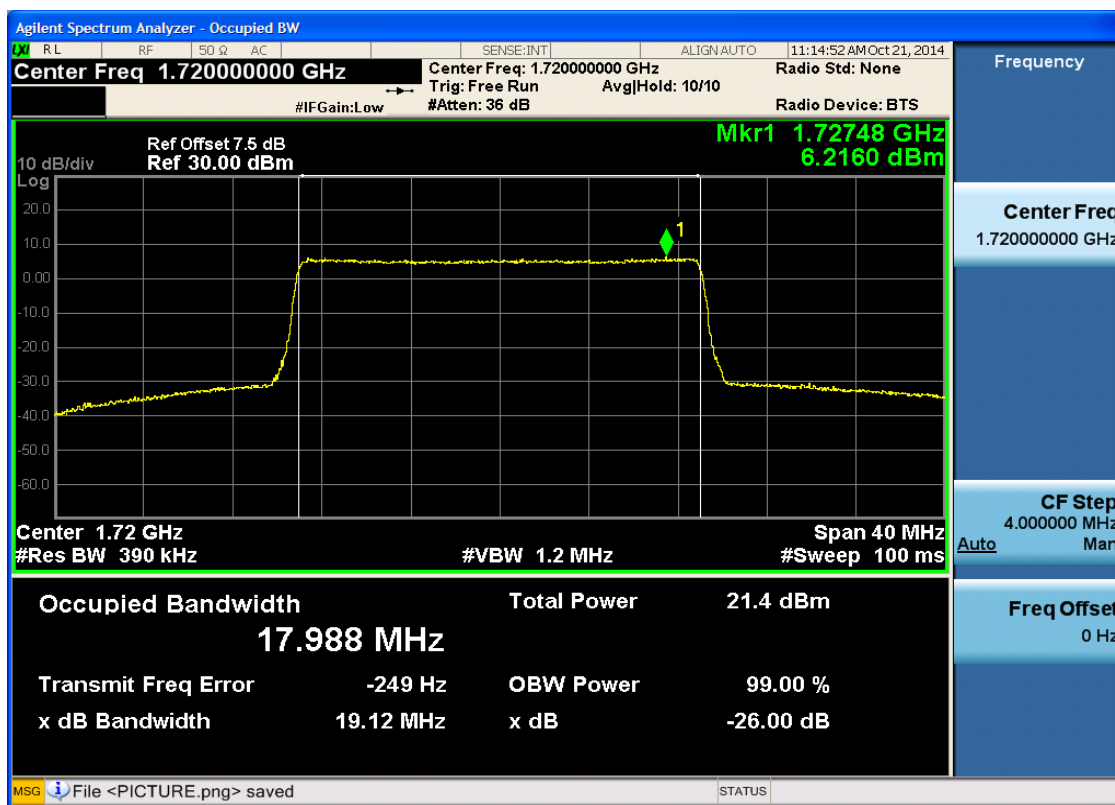
4.3.2.2.3.3.1 Test RB = RB75#0



4.3.2.2.4 Test Bandwidth = 20

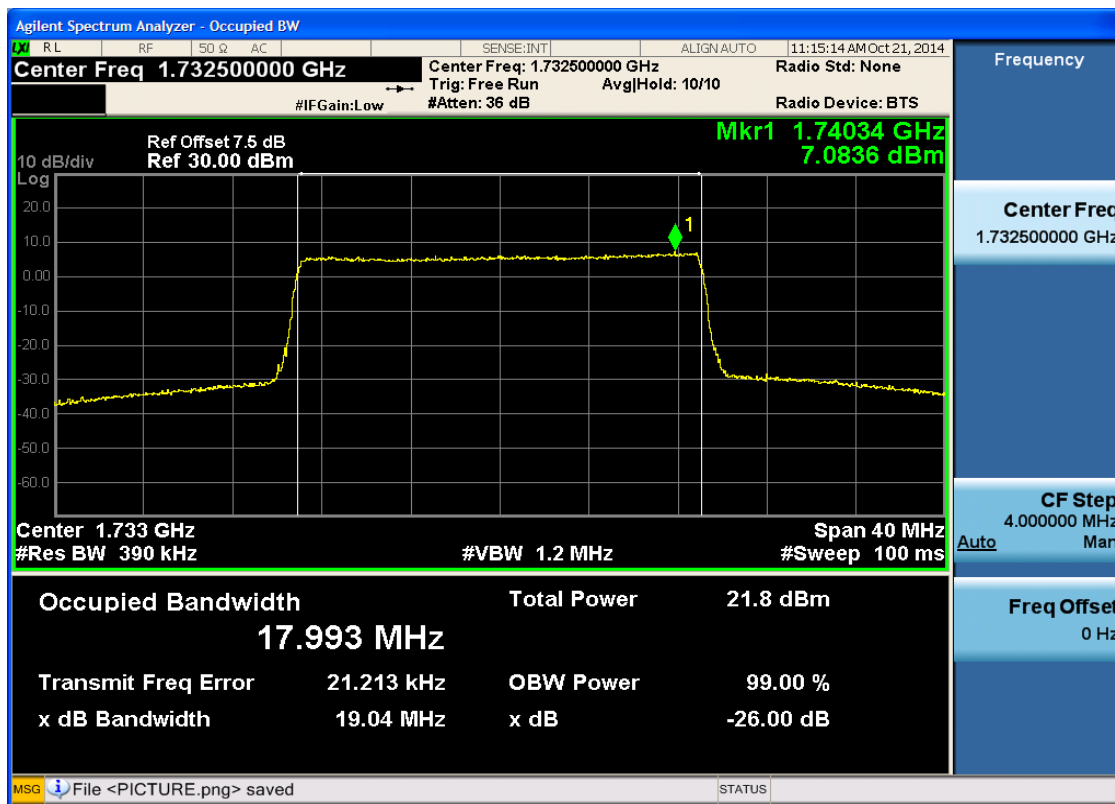
4.3.2.2.4.1 Test Channel = LCH

4.3.2.2.4.1.1 Test RB = RB100#0



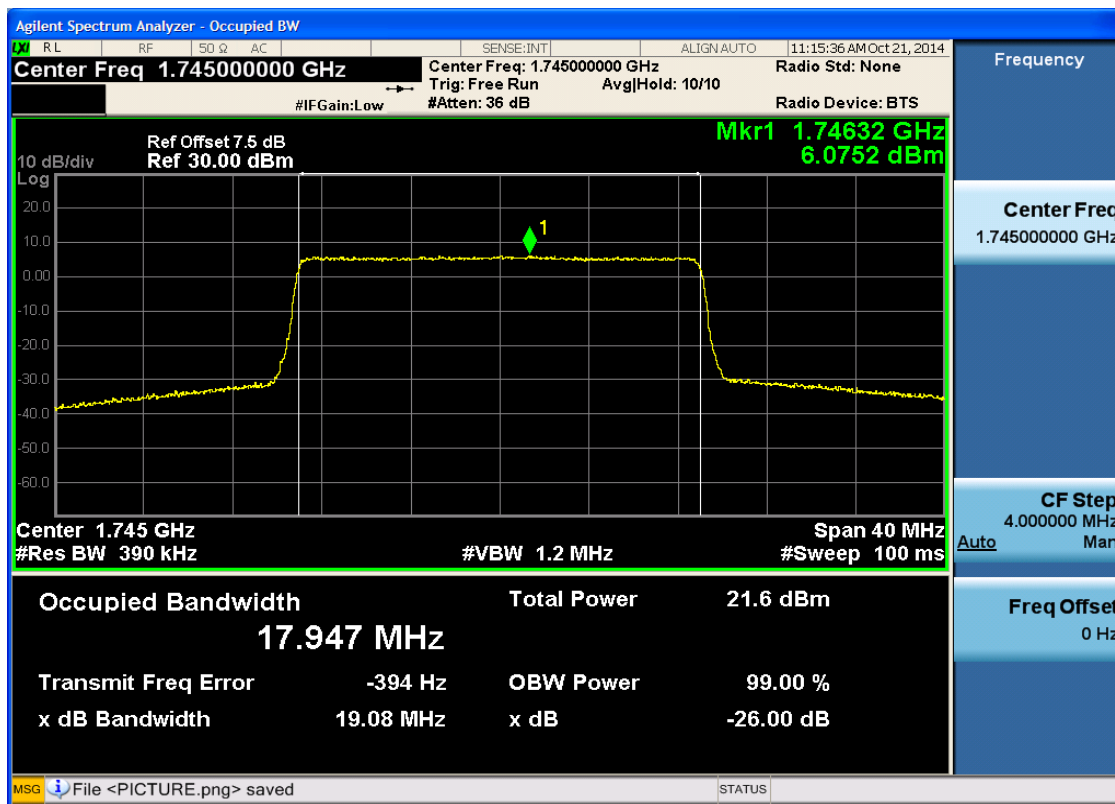
4.3.2.2.4.2 Test Channel = MCH

4.3.2.2.4.2.1 Test RB = RB100#0



4.3.2.2.4.3 Test Channel = HCH

4.3.2.2.4.3.1 Test RB = RB100#0



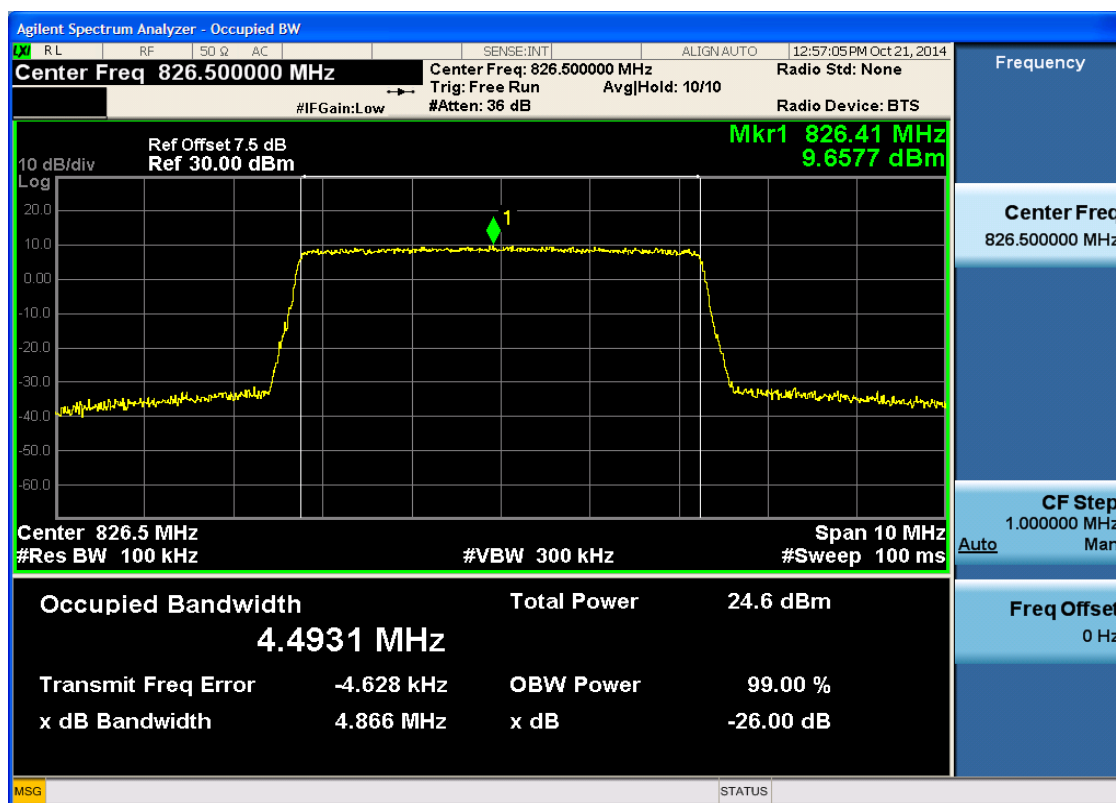
4.3.3 Test Band = BAND5

4.3.3.1 Test Mode = LTE/TM1

4.3.3.1.1 Test Bandwidth = 5

4.3.3.1.1.1 Test Channel = LCH

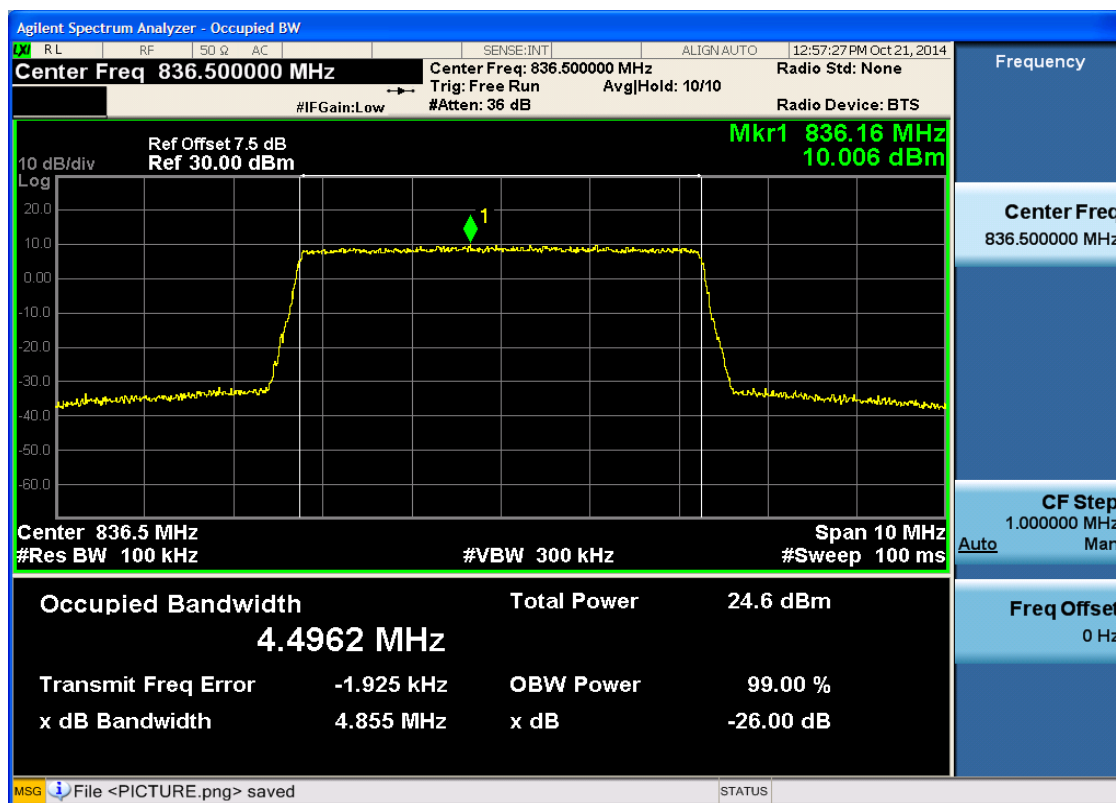
4.3.3.1.1.1.1 Test RB = RB25#0





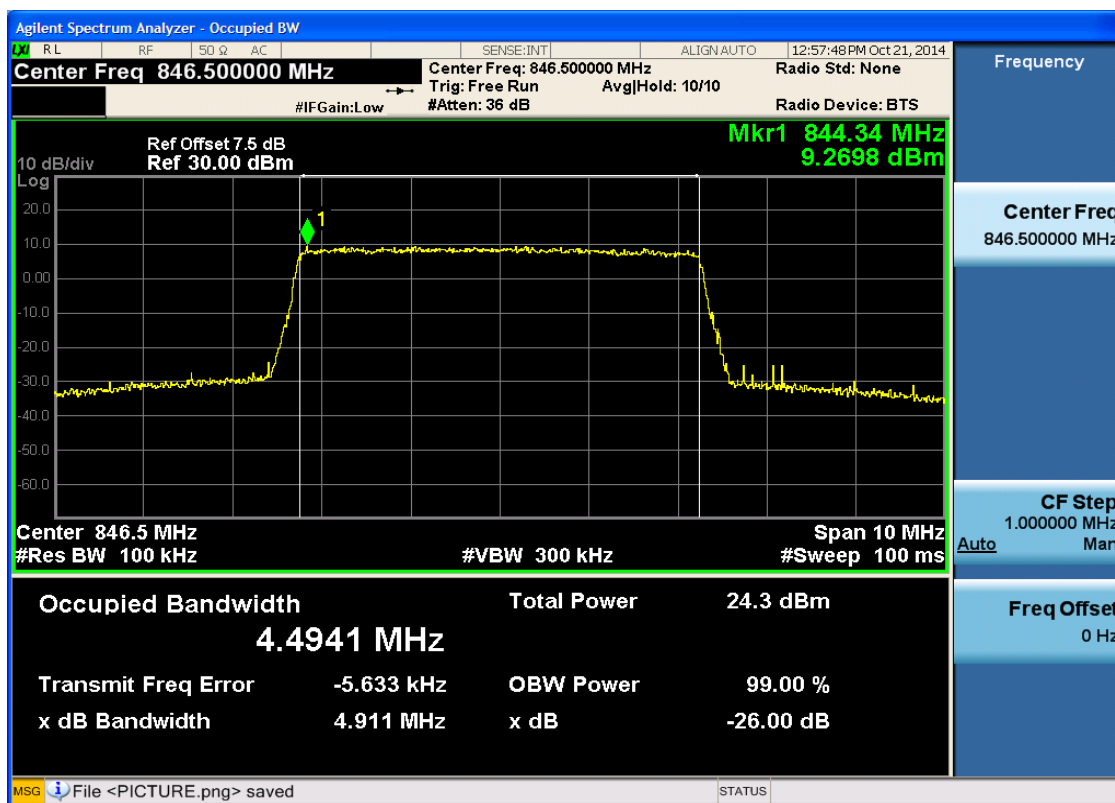
4.3.3.1.1.2 Test Channel = MCH

4.3.3.1.1.2.1 Test RB = RB25#0



4.3.3.1.1.3 Test Channel = HCH

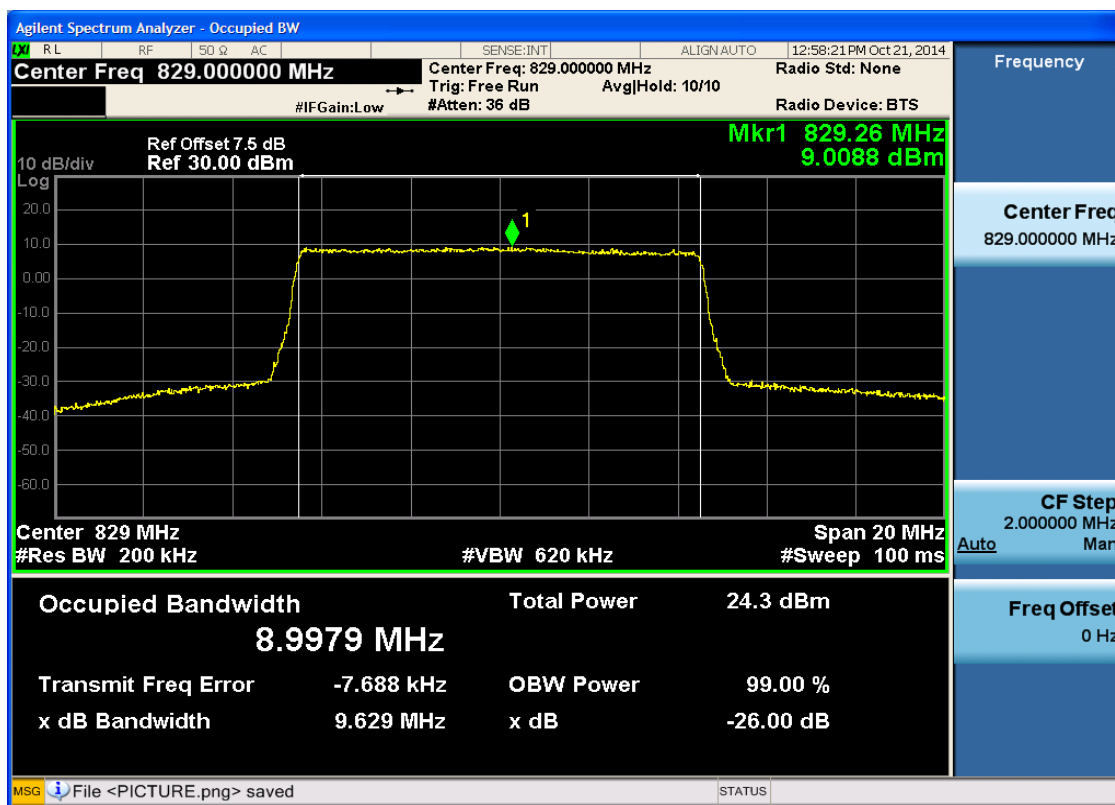
4.3.3.1.1.3.1 Test RB = RB25#0



4.3.3.1.2 Test Bandwidth = 10

4.3.3.1.2.1 Test Channel = LCH

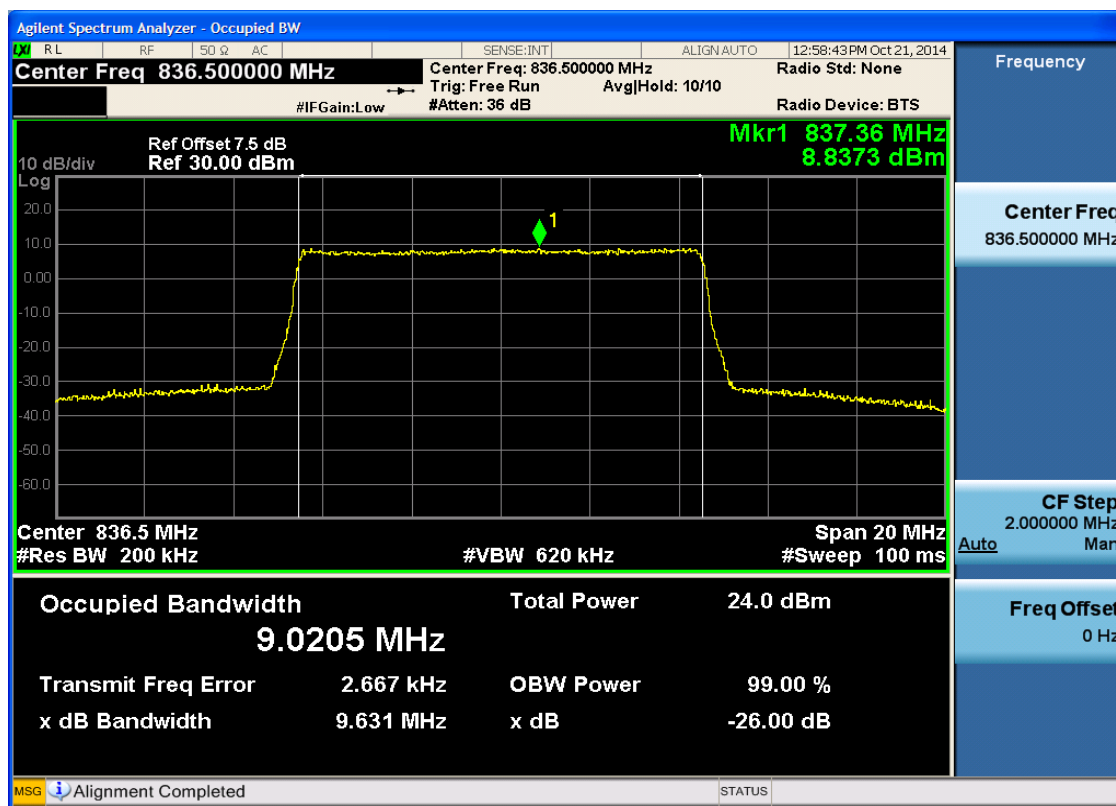
4.3.3.1.2.1.1 Test RB = RB50#0





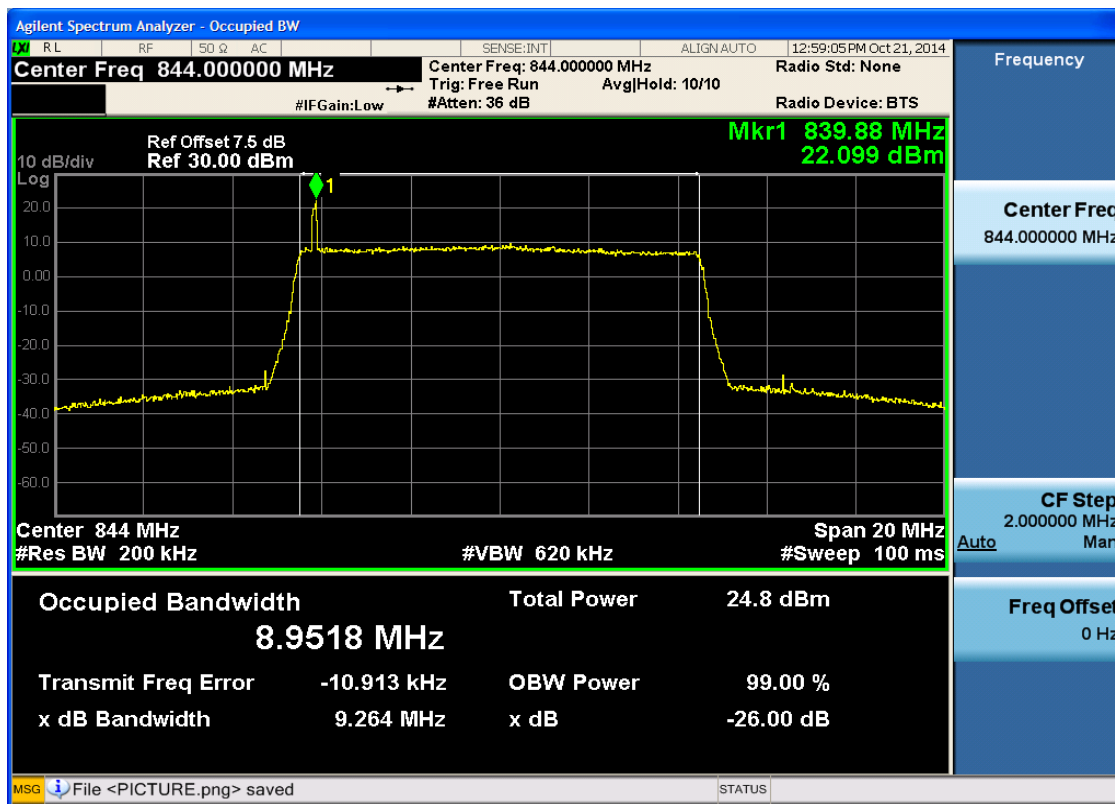
4.3.3.1.2.2 Test Channel = MCH

4.3.3.1.2.2.1 Test RB = RB50#0



4.3.3.1.2.3 Test Channel = HCH

4.3.3.1.2.3.1 Test RB = RB50#0

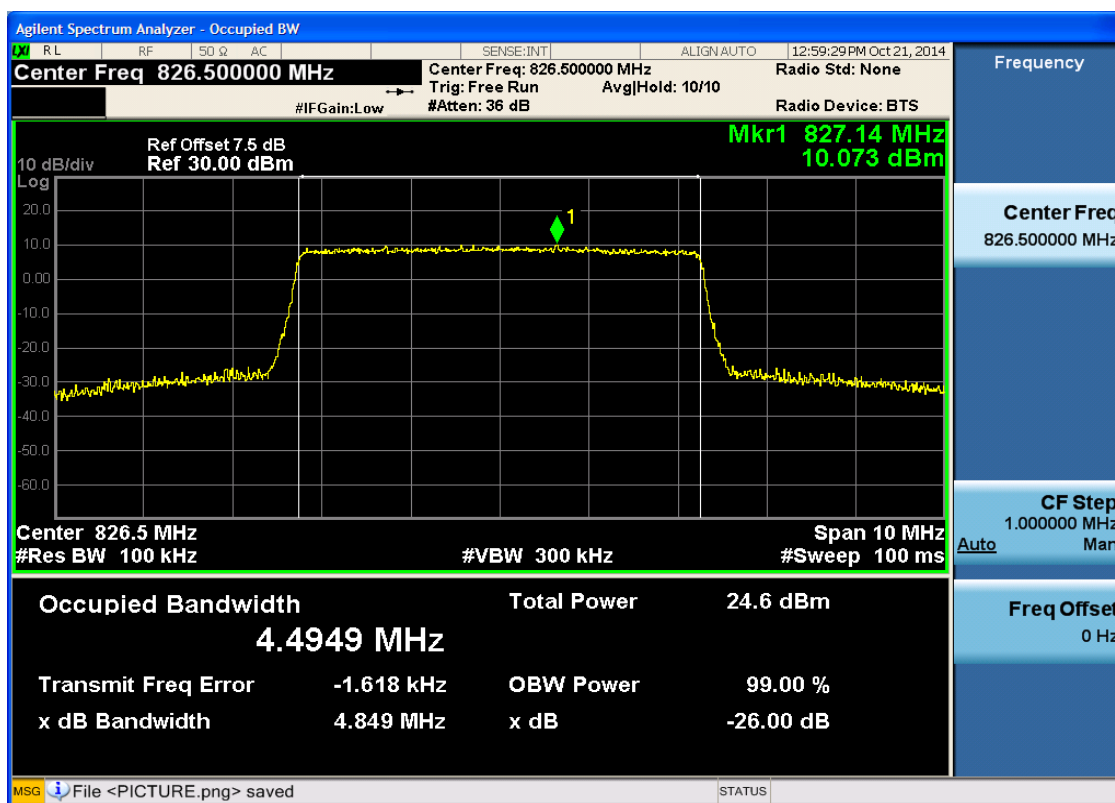


4.3.3.2 Test Mode = LTE/TM2

4.3.3.2.1 Test Bandwidth = 5

4.3.3.2.1.1 Test Channel = LCH

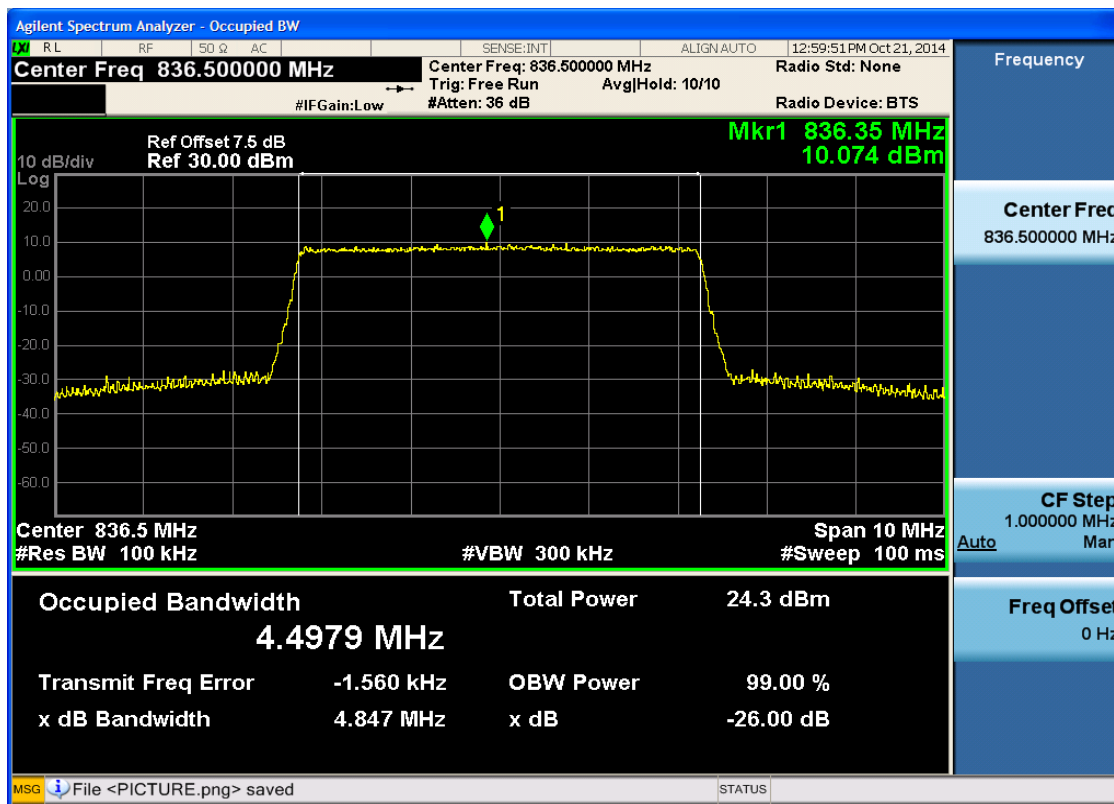
4.3.3.2.1.1.1 Test RB = RB25#0





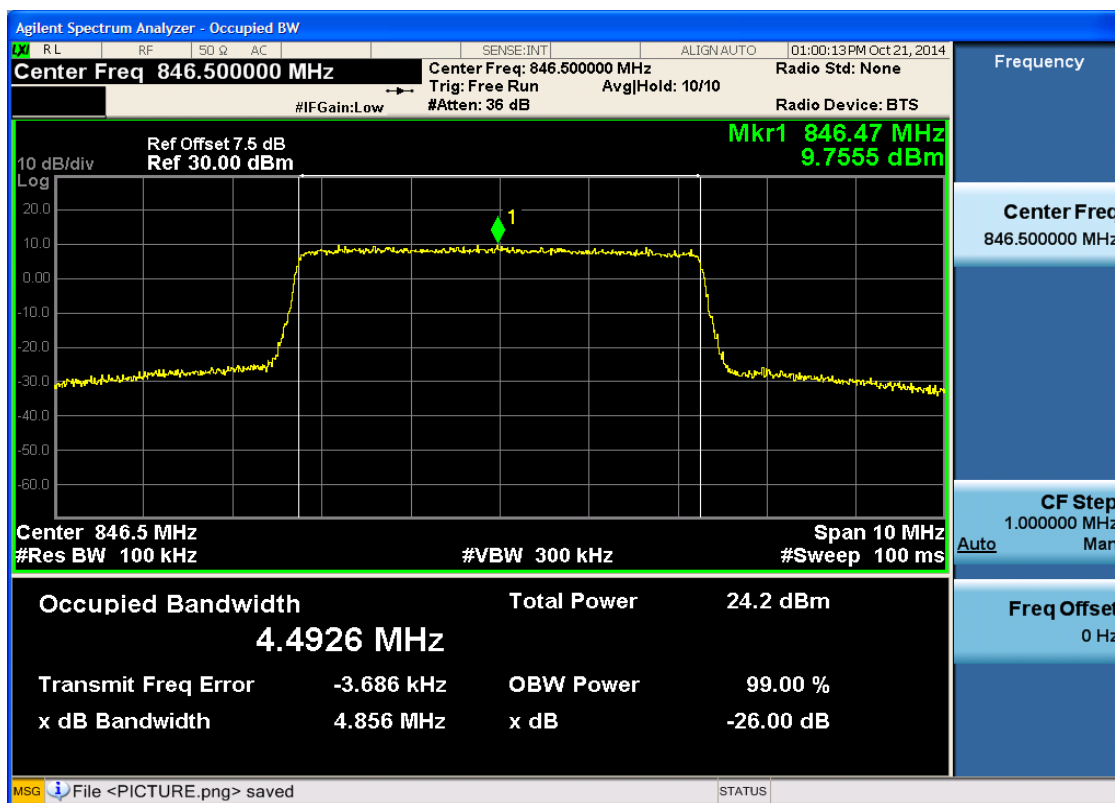
4.3.3.2.1.2 Test Channel = MCH

4.3.3.2.1.2.1 Test RB = RB25#0



4.3.3.2.1.3 Test Channel = HCH

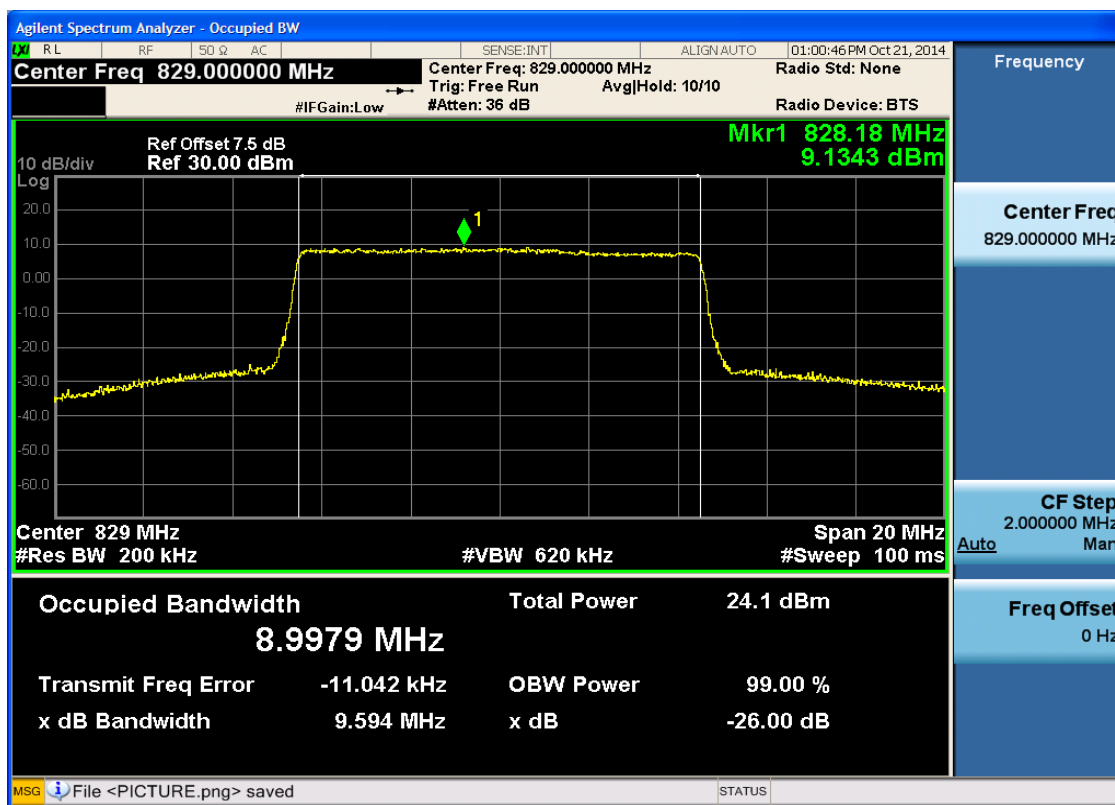
4.3.3.2.1.3.1 Test RB = RB25#0



4.3.3.2.2 Test Bandwidth = 10

4.3.3.2.2.1 Test Channel = LCH

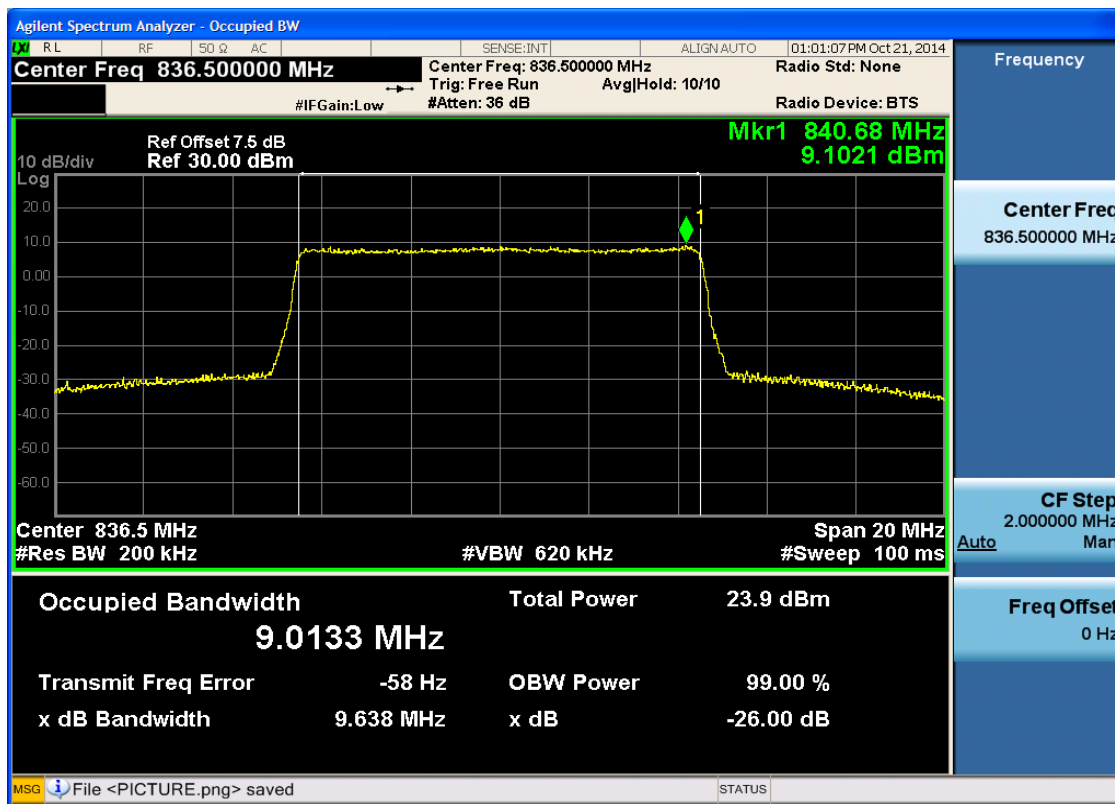
4.3.3.2.2.1.1 Test RB = RB50#0





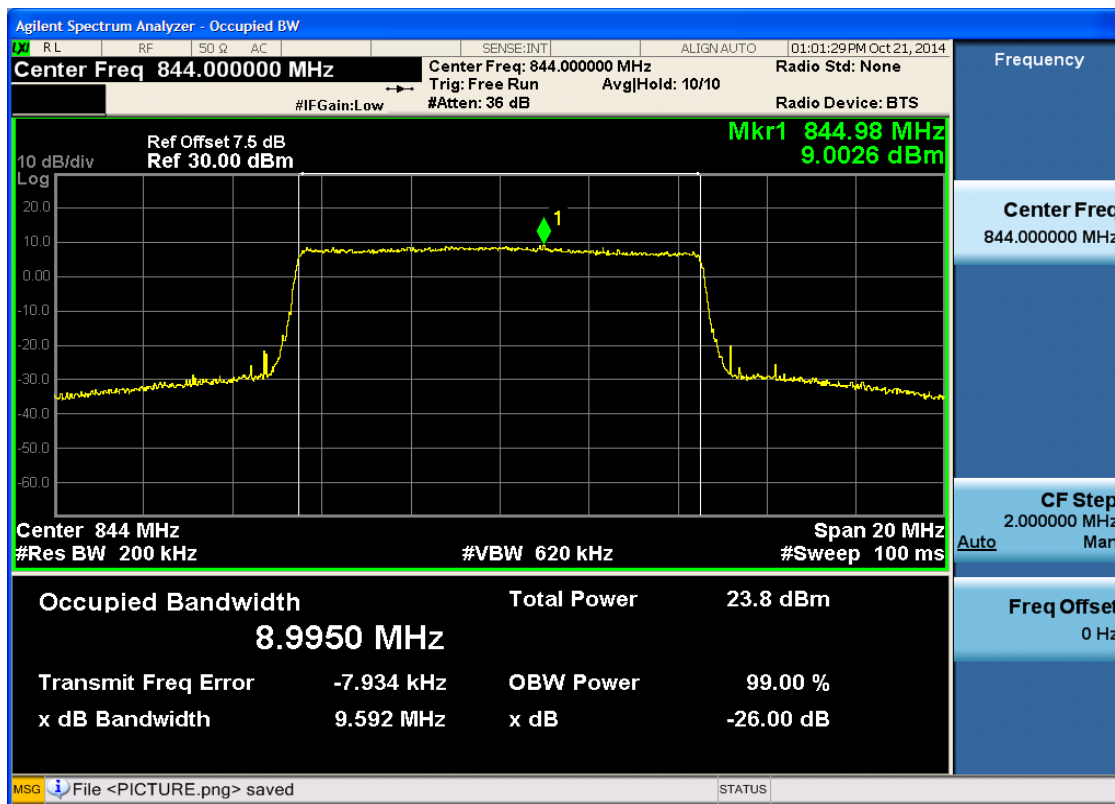
4.3.3.2.2 Test Channel = MCH

4.3.3.2.2.1 Test RB = RB50#0



4.3.3.2.2.3 Test Channel = HCH

4.3.3.2.2.3.1 Test RB = RB50#0



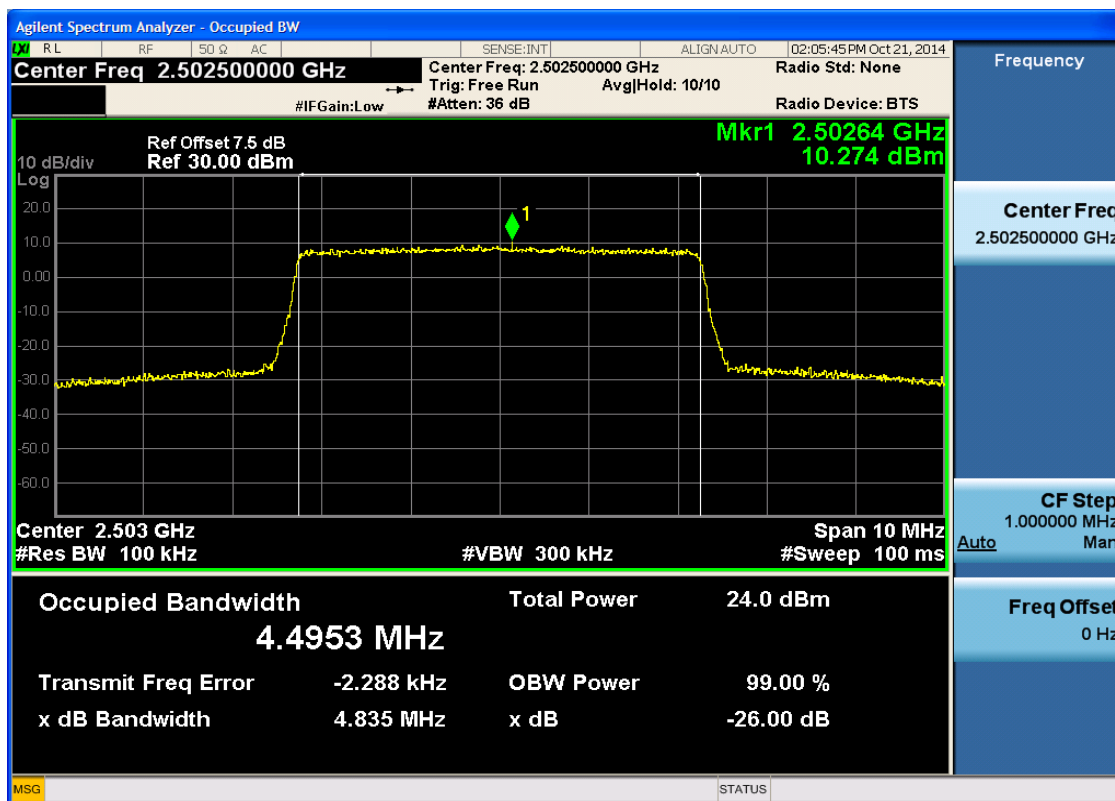
4.3.4 Test Band = BAND7

4.3.4.1 Test Mode = LTE/TM1

4.3.4.1.1 Test Bandwidth = 5

4.3.4.1.1.1 Test Channel = LCH

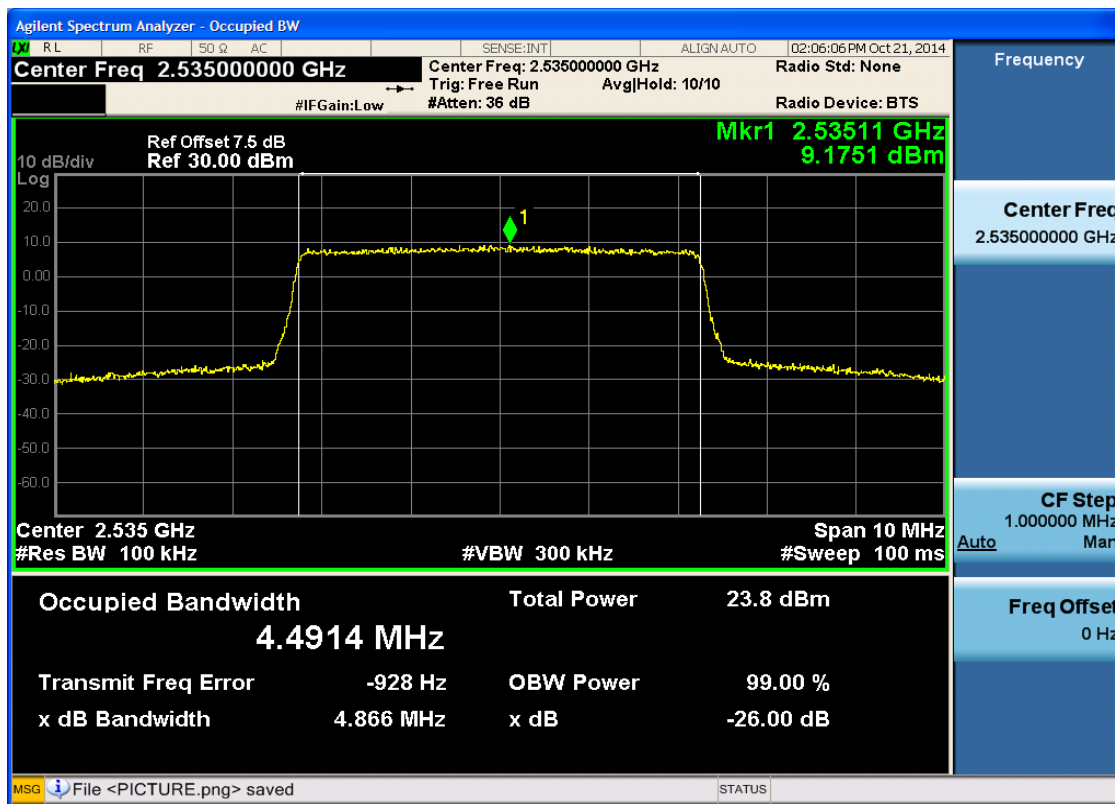
4.3.4.1.1.1.1 Test RB = RB25#0





4.3.4.1.1.2 Test Channel = MCH

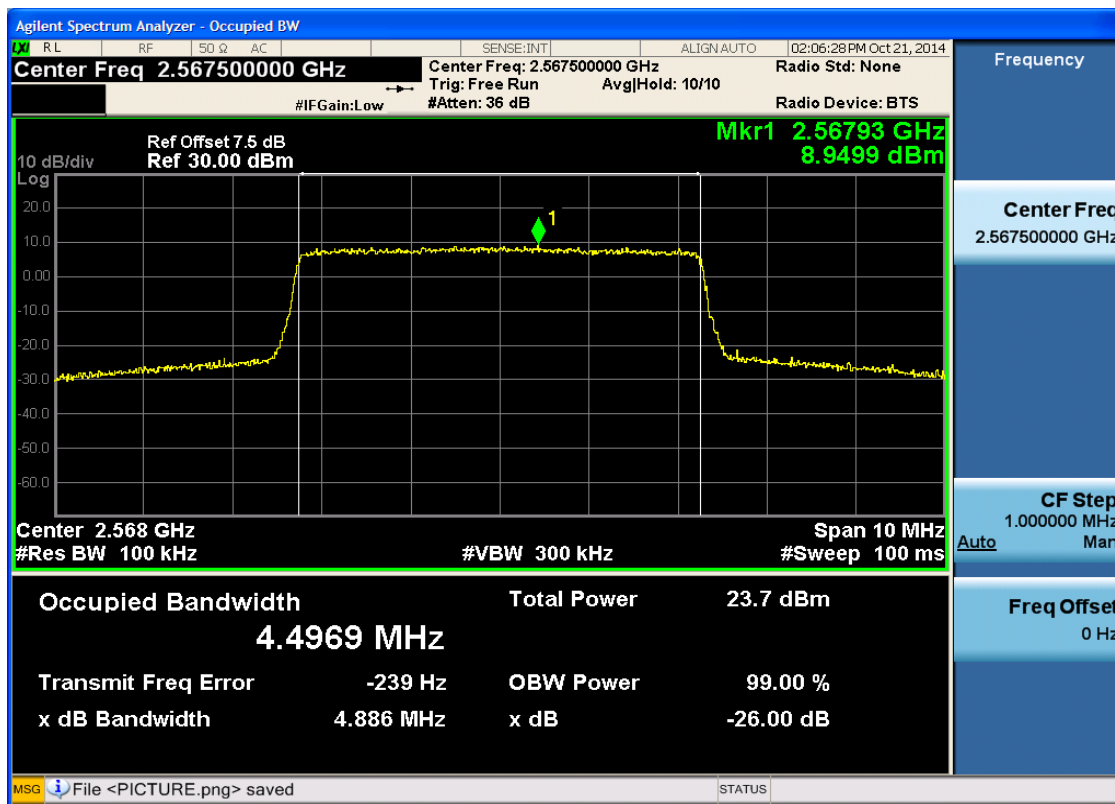
4.3.4.1.1.2.1 Test RB = RB25#0





4.3.4.1.1.3 Test Channel = HCH

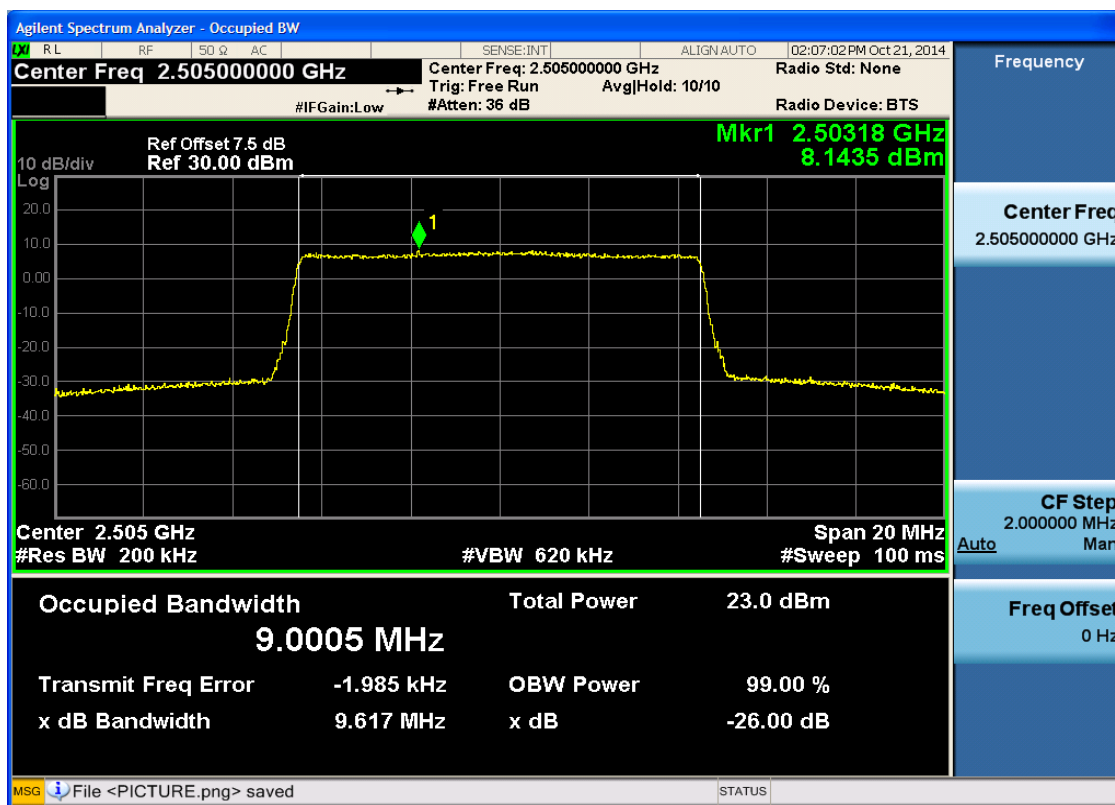
4.3.4.1.1.3.1 Test RB = RB25#0



4.3.4.1.2 Test Bandwidth = 10

4.3.4.1.2.1 Test Channel = LCH

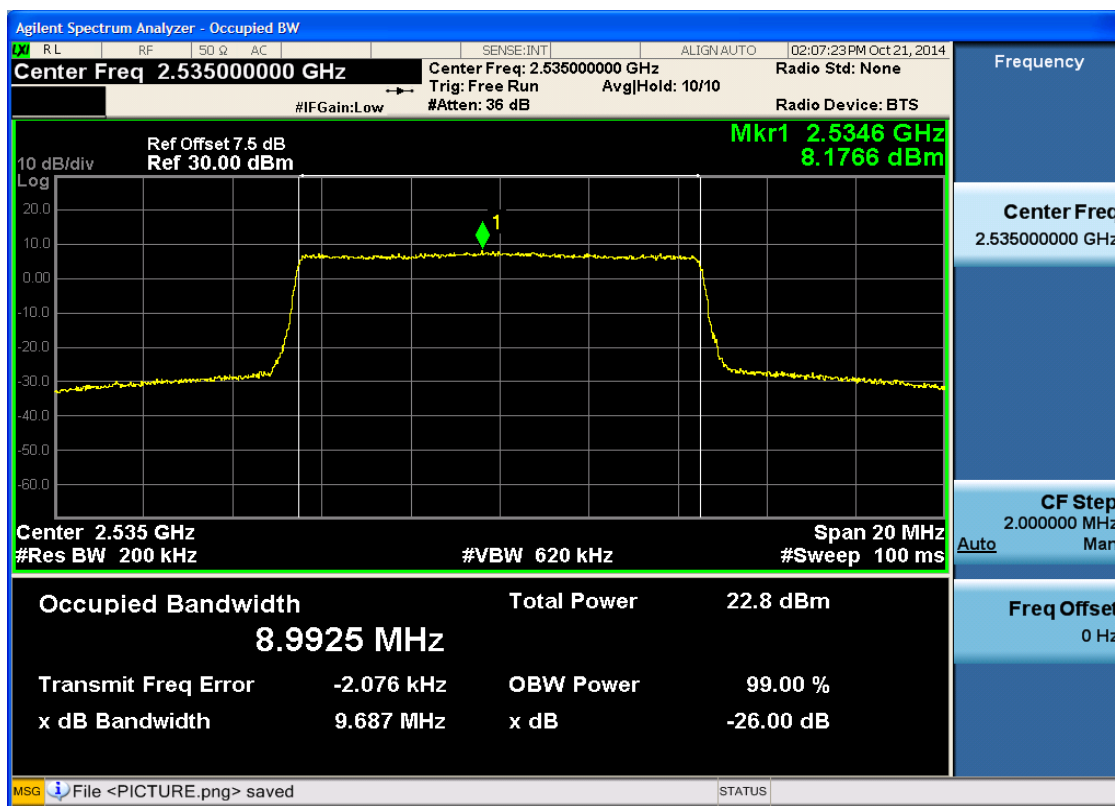
4.3.4.1.2.1.1 Test RB = RB50#0





4.3.4.1.2.2 Test Channel = MCH

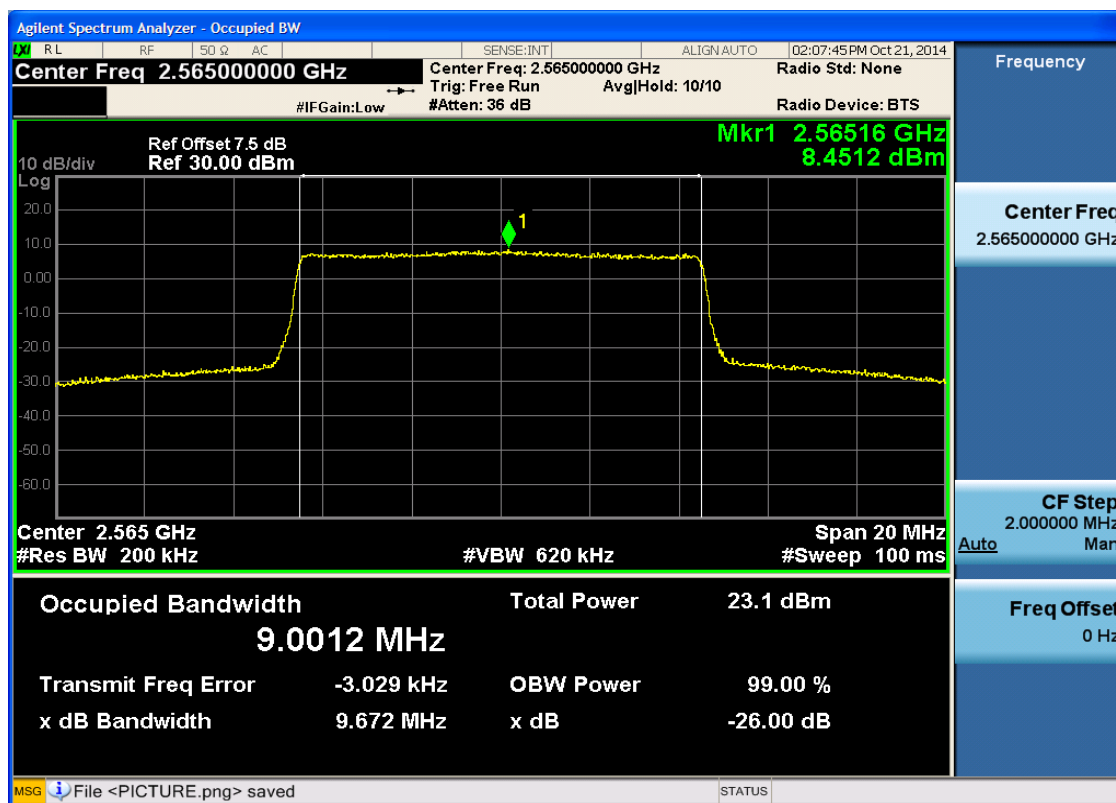
4.3.4.1.2.2.1 Test RB = RB50#0





4.3.4.1.2.3 Test Channel = HCH

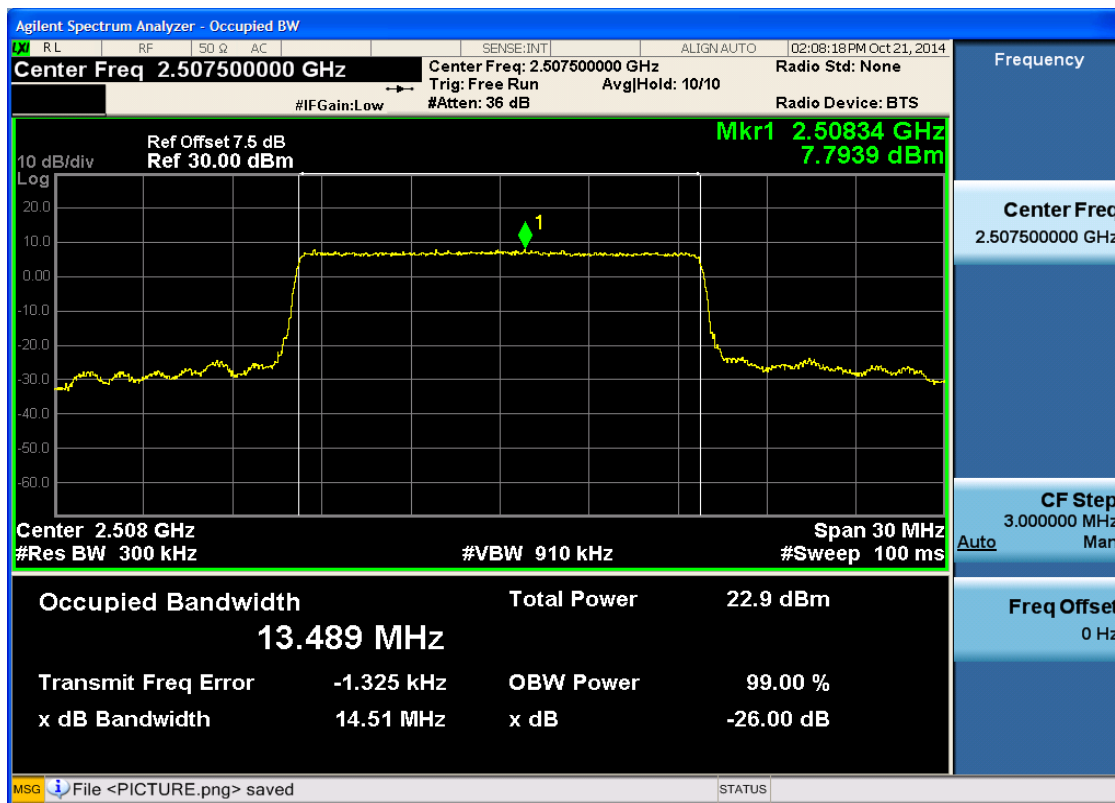
4.3.4.1.2.3.1 Test RB = RB50#0



4.3.4.1.3 Test Bandwidth = 15

4.3.4.1.3.1 Test Channel = LCH

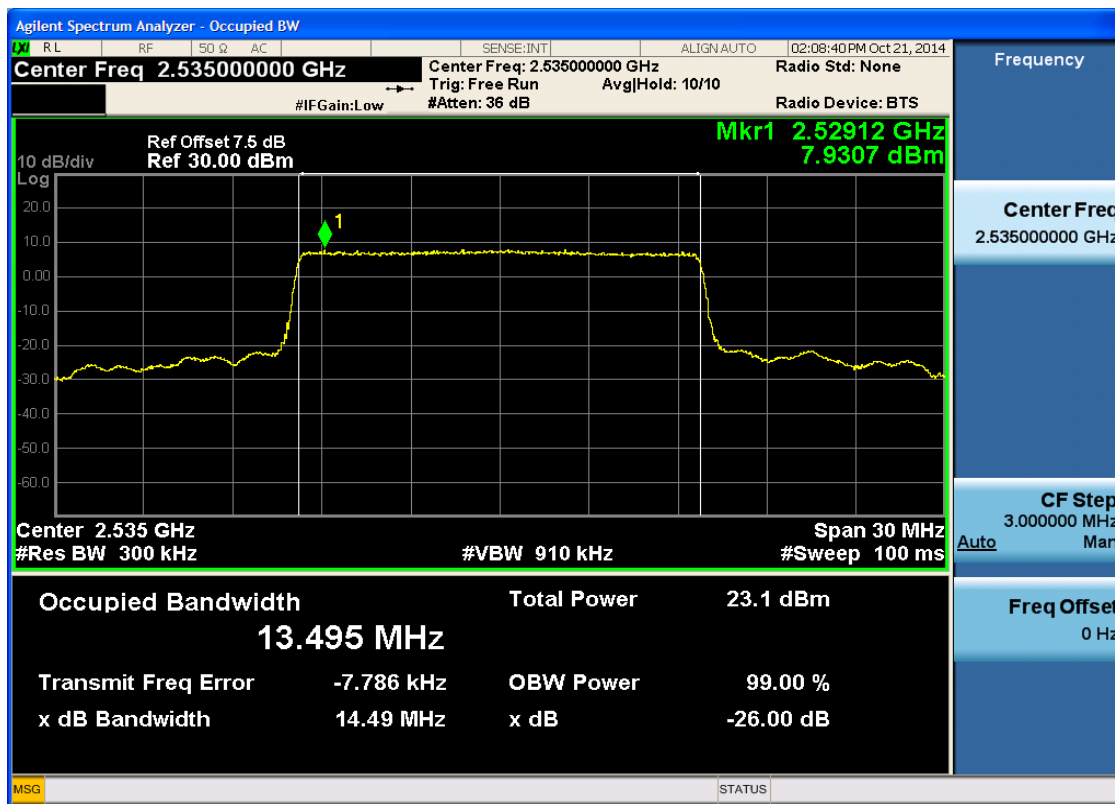
4.3.4.1.3.1.1 Test RB = RB75#0





4.3.4.1.3.2 Test Channel = MCH

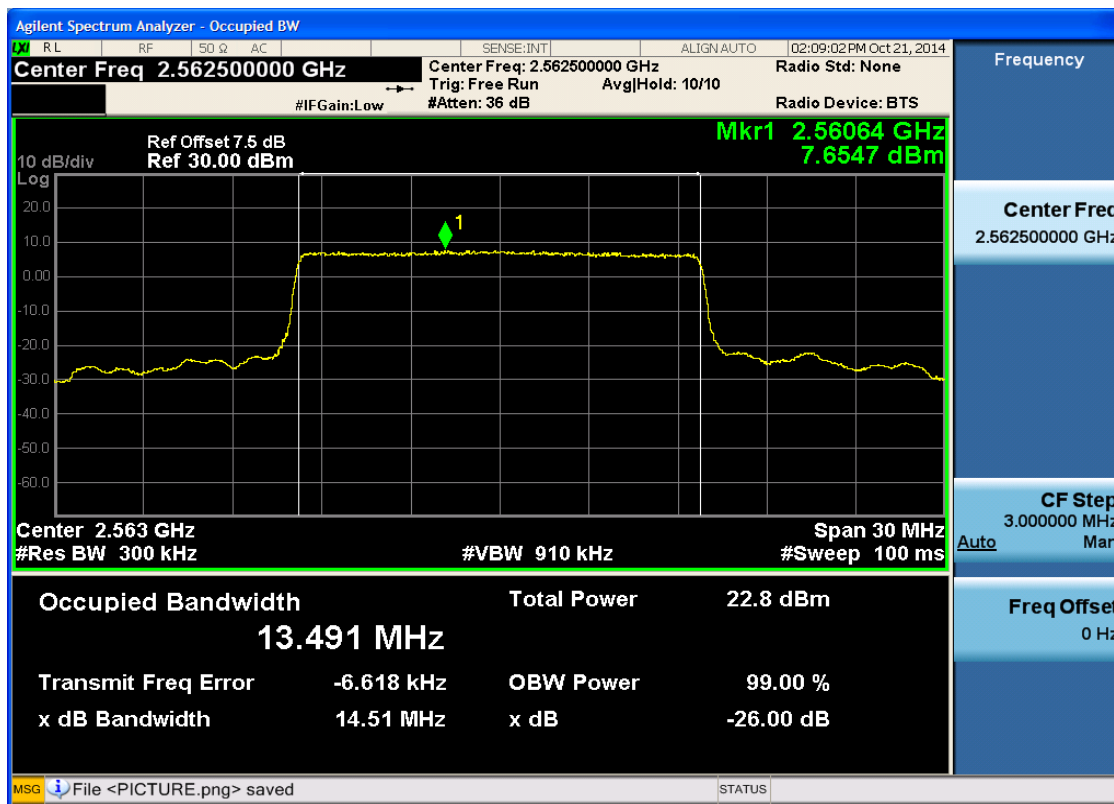
4.3.4.1.3.2.1 Test RB = RB75#0





4.3.4.1.3.3 Test Channel = HCH

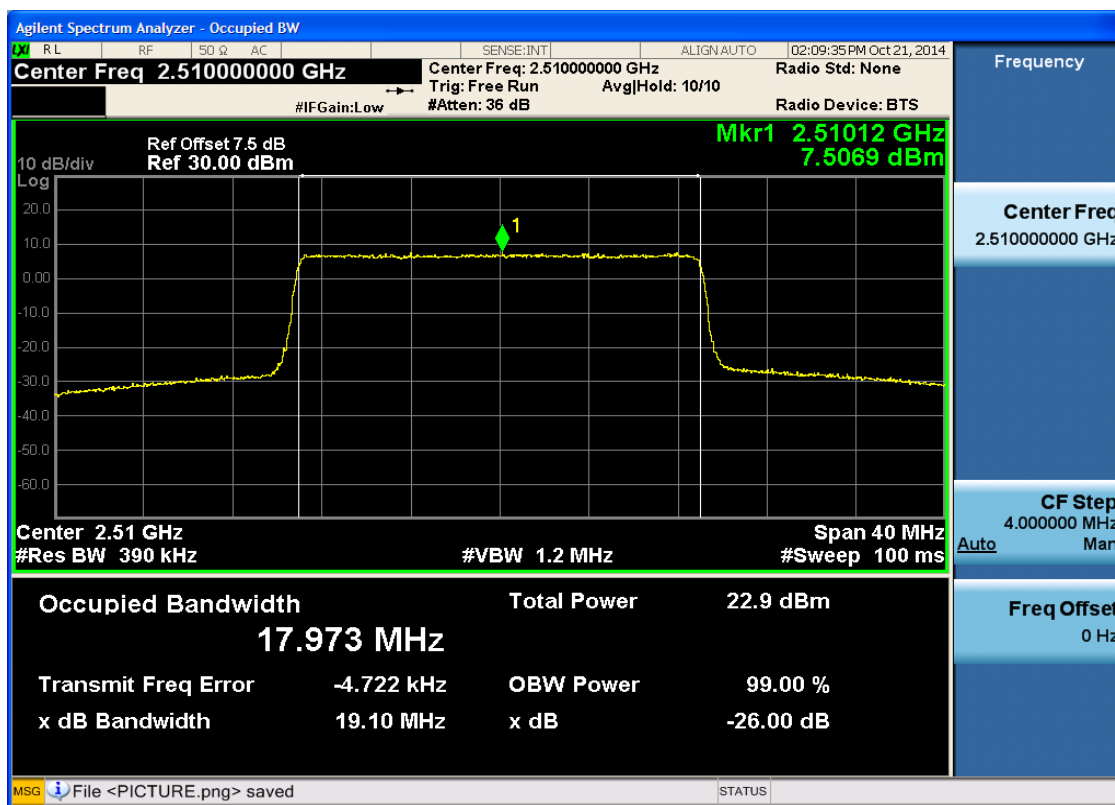
4.3.4.1.3.3.1 Test RB = RB75#0



4.3.4.1.4 Test Bandwidth = 20

4.3.4.1.4.1 Test Channel = LCH

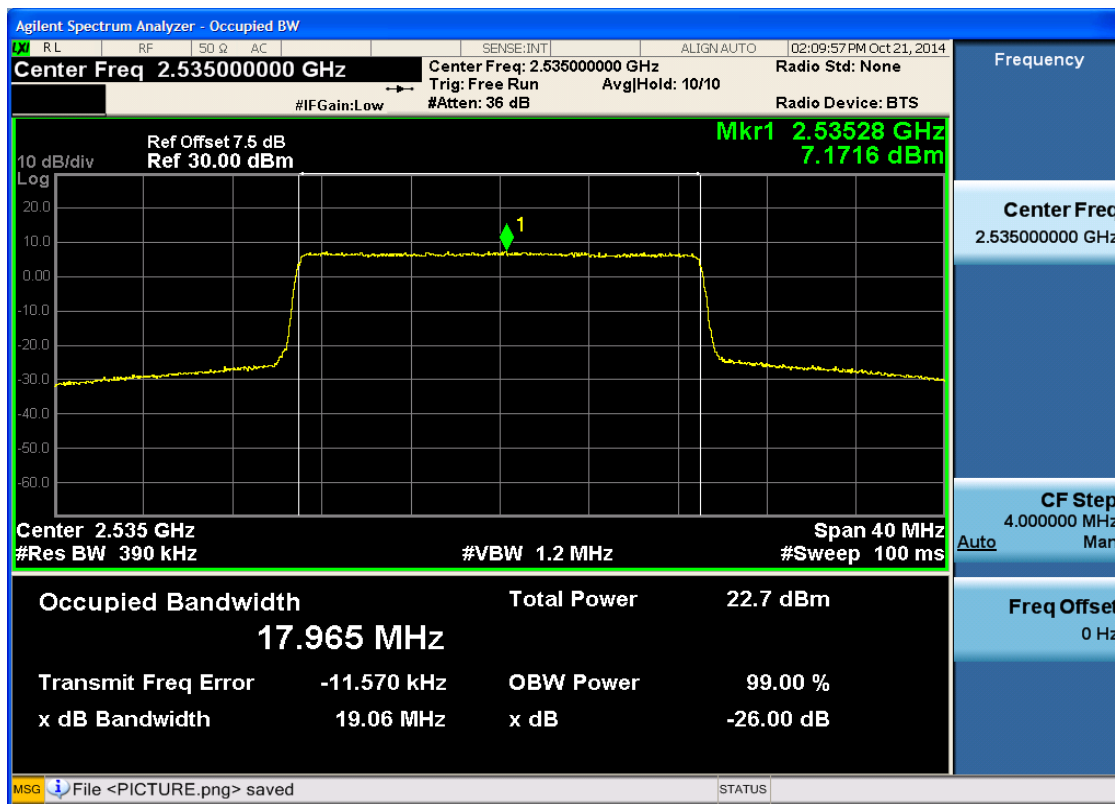
4.3.4.1.4.1.1 Test RB = RB100#0





4.3.4.1.4.2 Test Channel = MCH

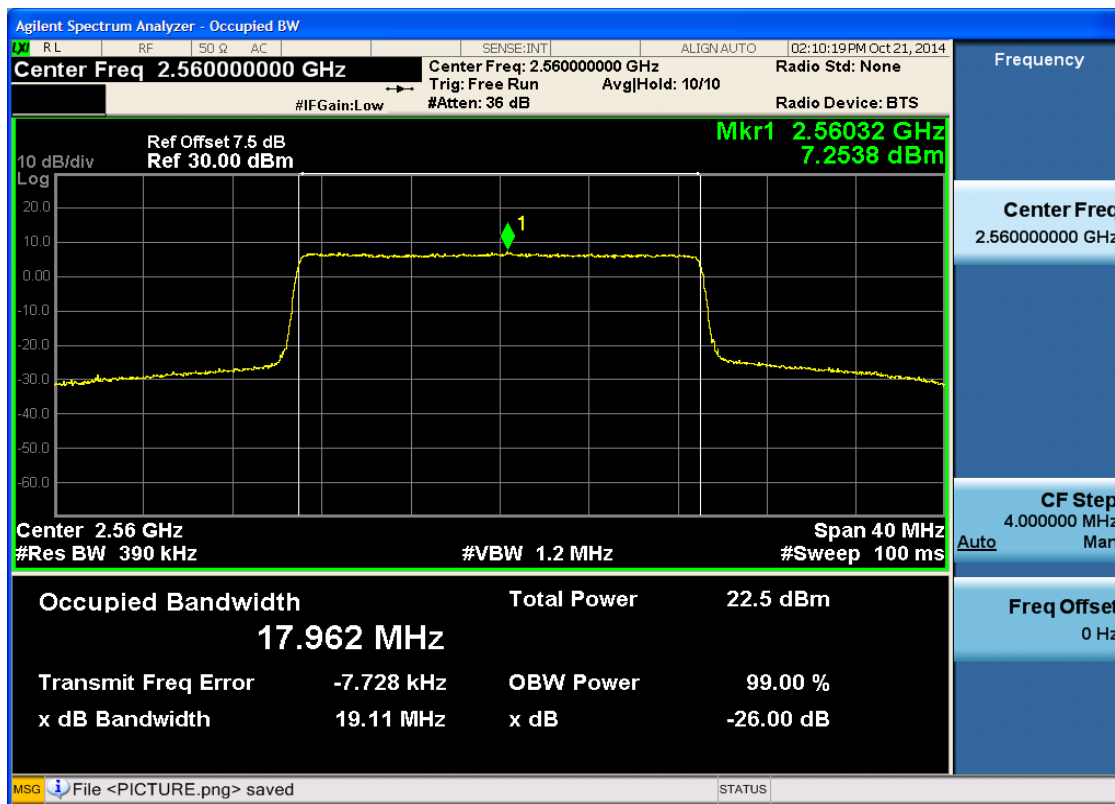
4.3.4.1.4.2.1 Test RB = RB100#0





4.3.4.1.4.3 Test Channel = HCH

4.3.4.1.4.3.1 Test RB = RB100#0

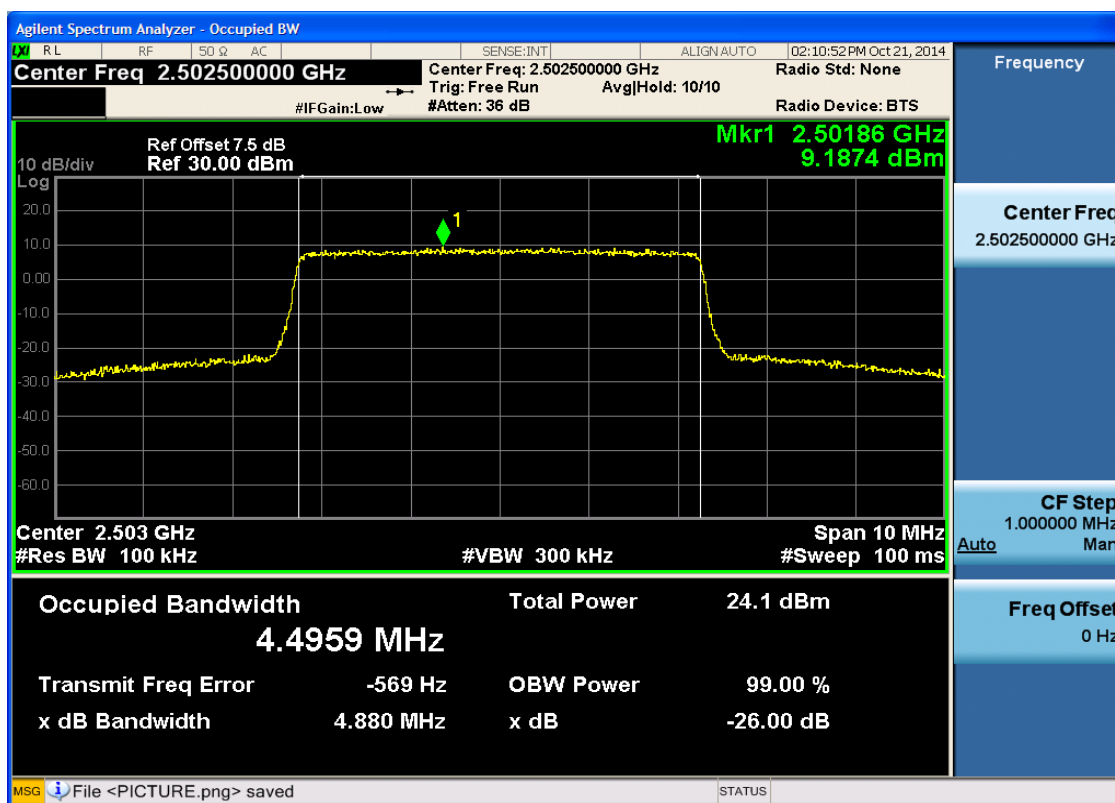


4.3.4.2 Test Mode = LTE/TM2

4.3.4.2.1 Test Bandwidth = 5

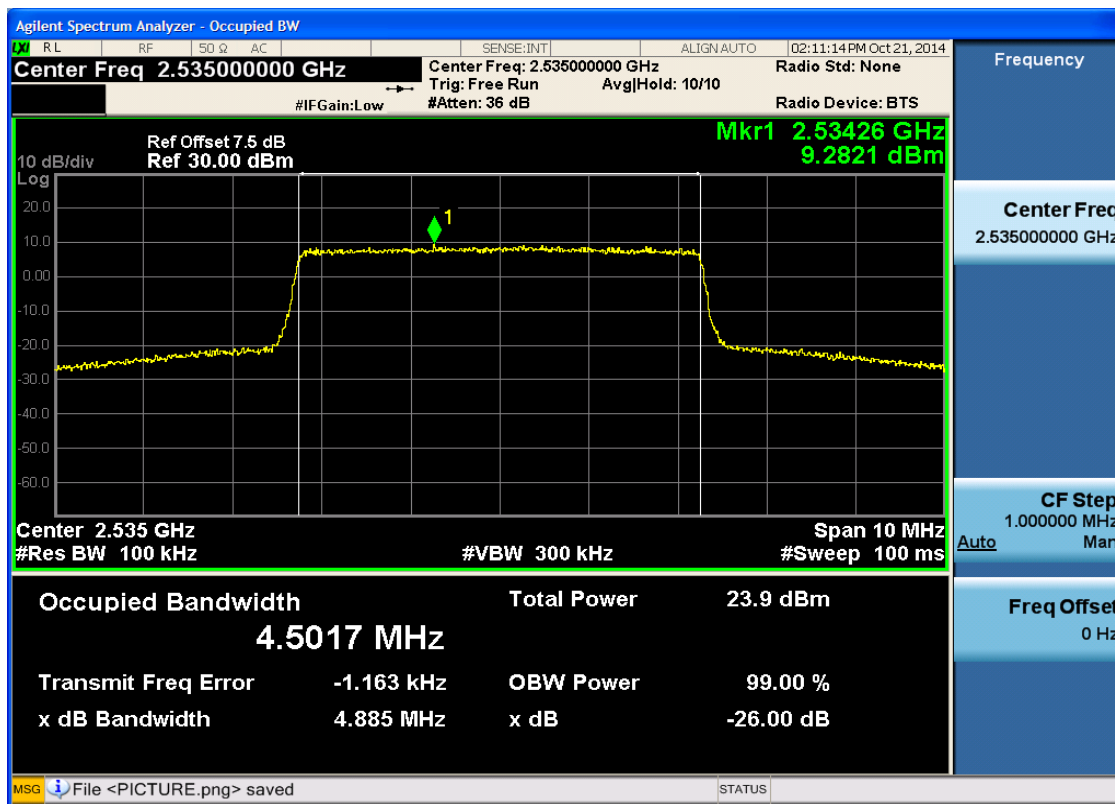
4.3.4.2.1.1 Test Channel = LCH

4.3.4.2.1.1.1 Test RB = RB25#0



4.3.4.2.1.2 Test Channel = MCH

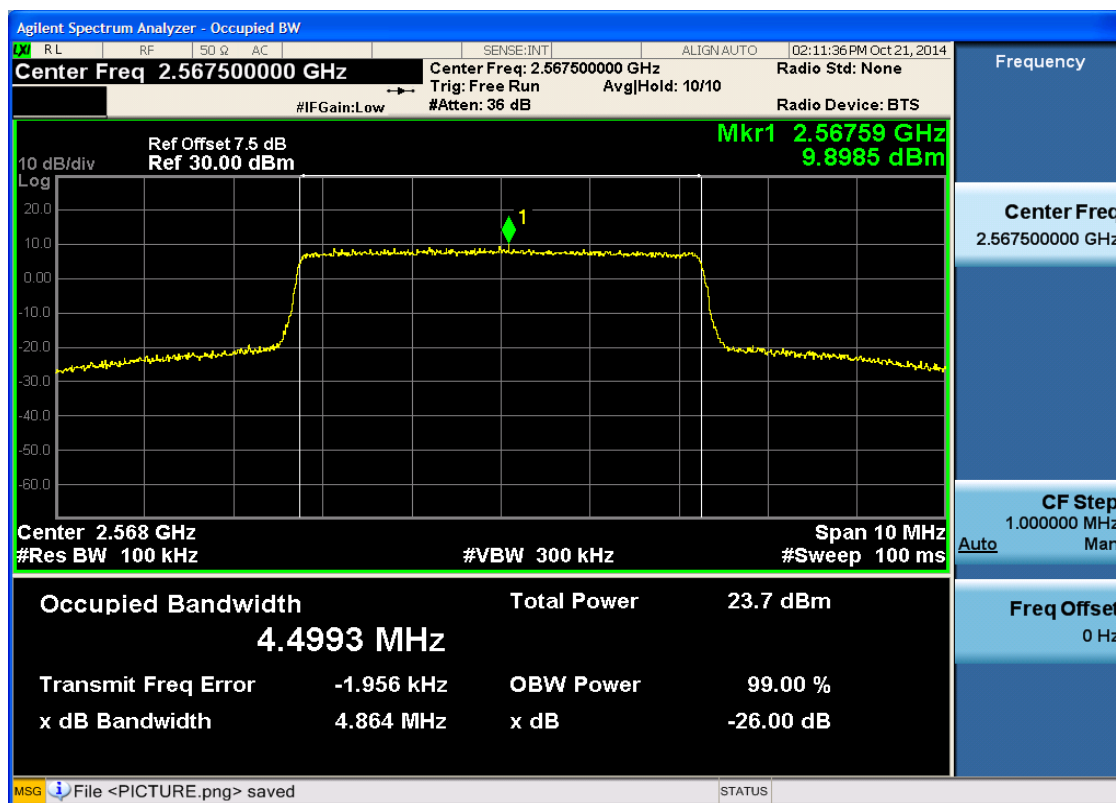
4.3.4.2.1.2.1 Test RB = RB25#0





4.3.4.2.1.3 Test Channel = HCH

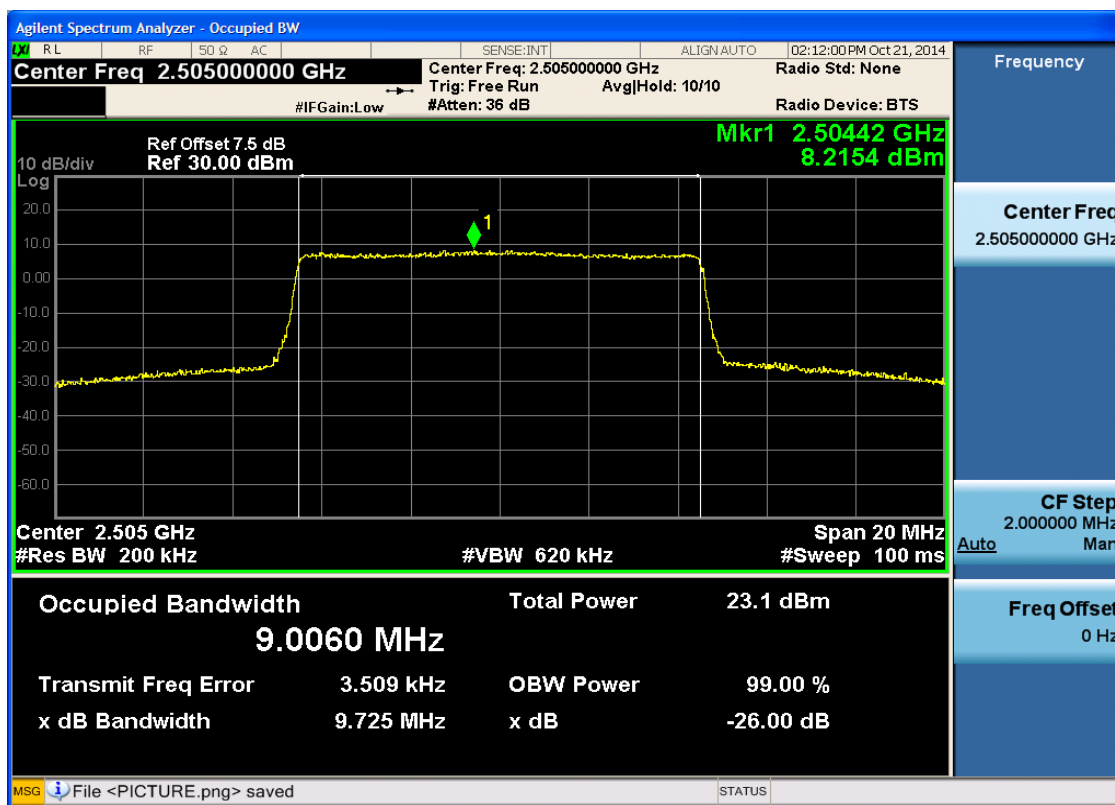
4.3.4.2.1.3.1 Test RB = RB25#0



4.3.4.2.2 Test Bandwidth = 10

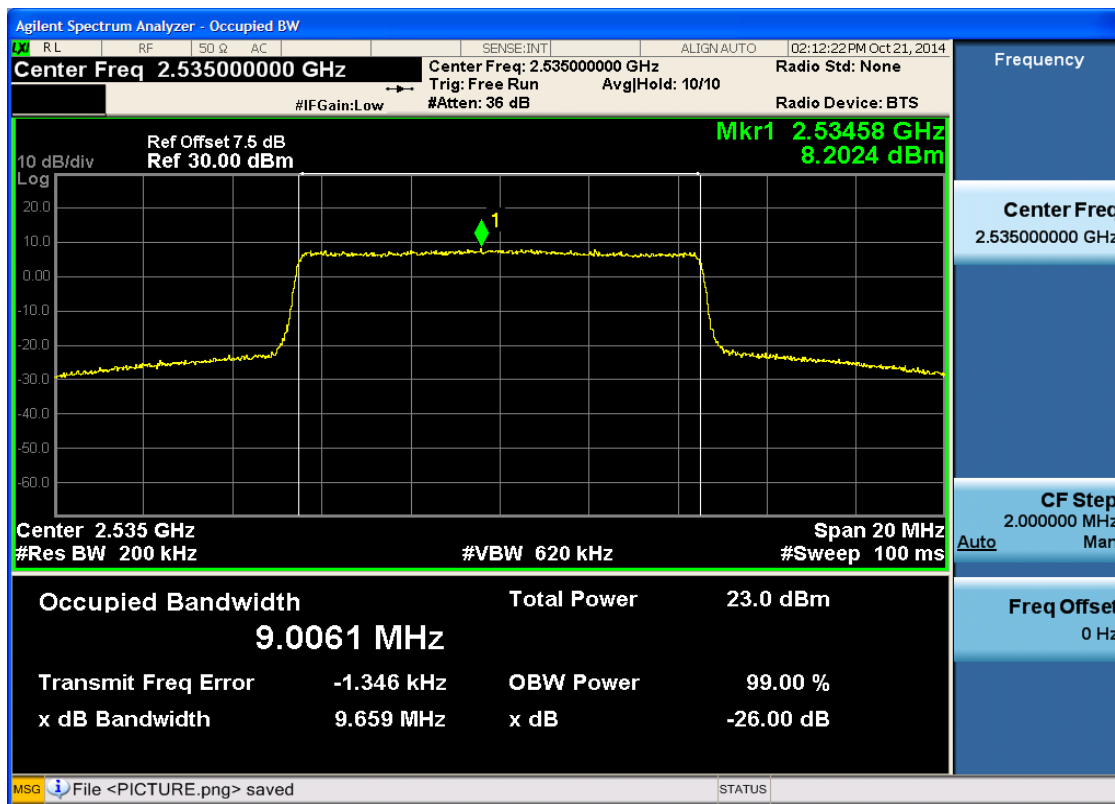
4.3.4.2.2.1 Test Channel = LCH

4.3.4.2.2.1.1 Test RB = RB50#0



4.3.4.2.2.2 Test Channel = MCH

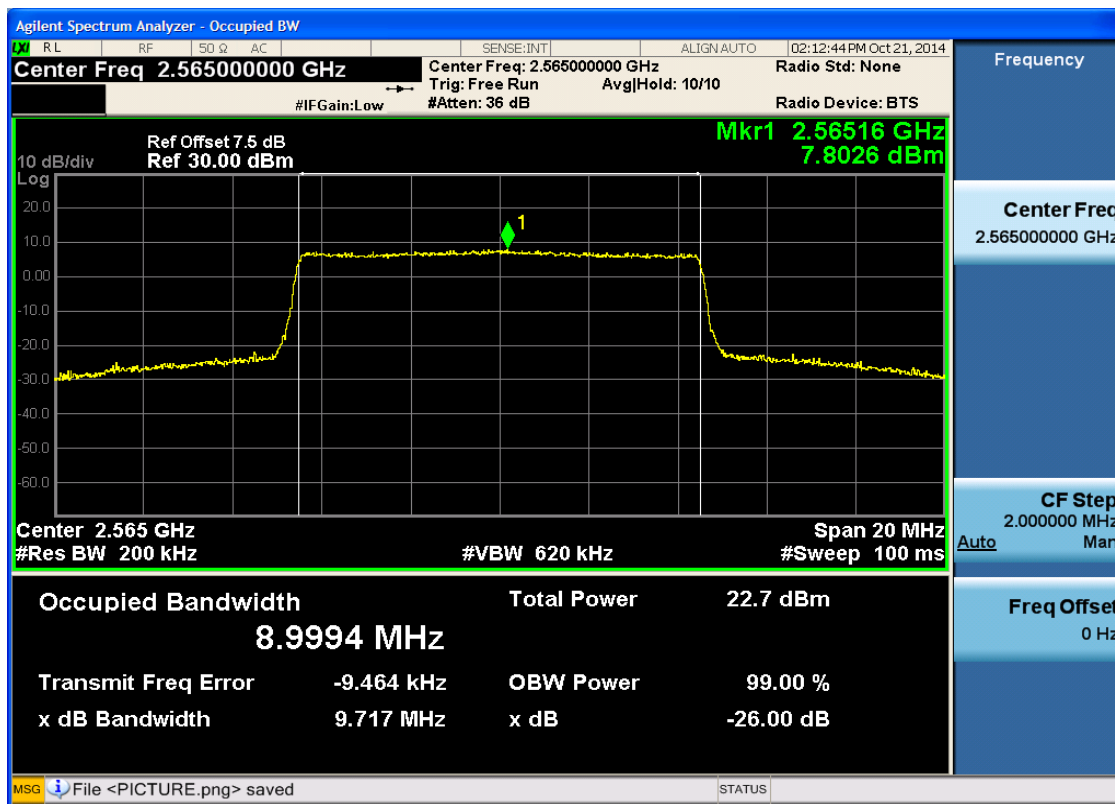
4.3.4.2.2.2.1 Test RB = RB50#0





4.3.4.2.2.3 Test Channel = HCH

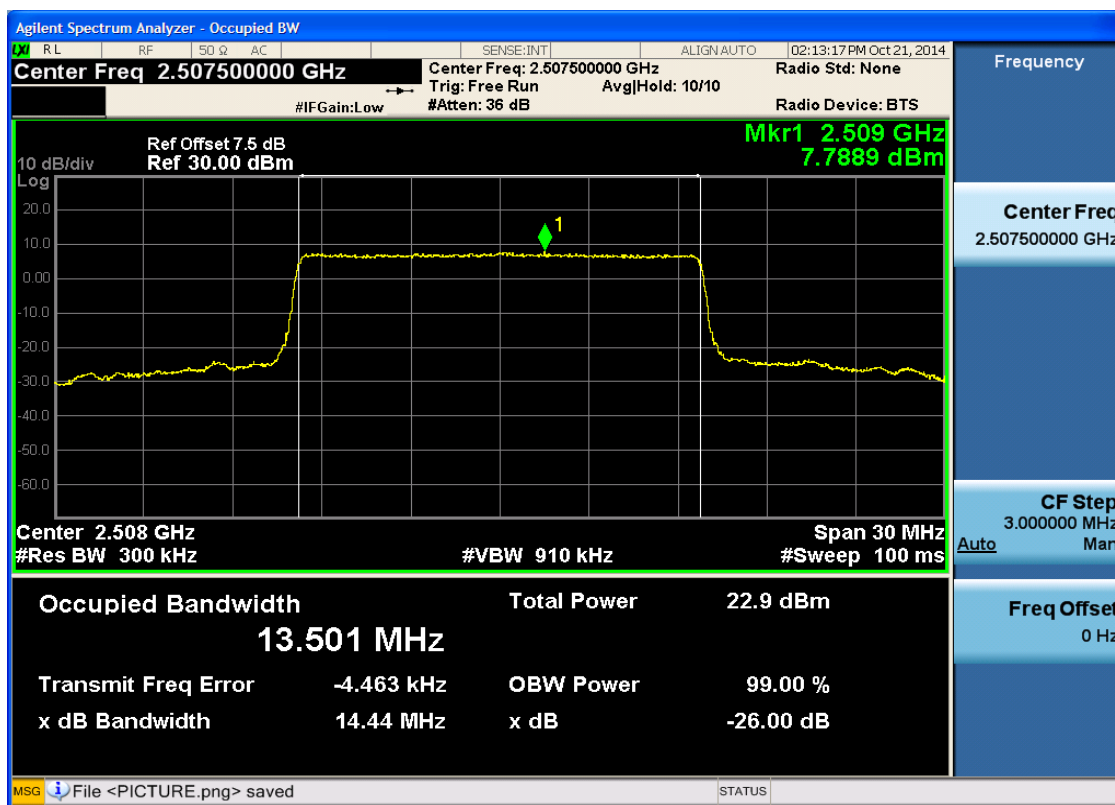
4.3.4.2.2.3.1 Test RB = RB50#0



4.3.4.2.3 Test Bandwidth = 15

4.3.4.2.3.1 Test Channel = LCH

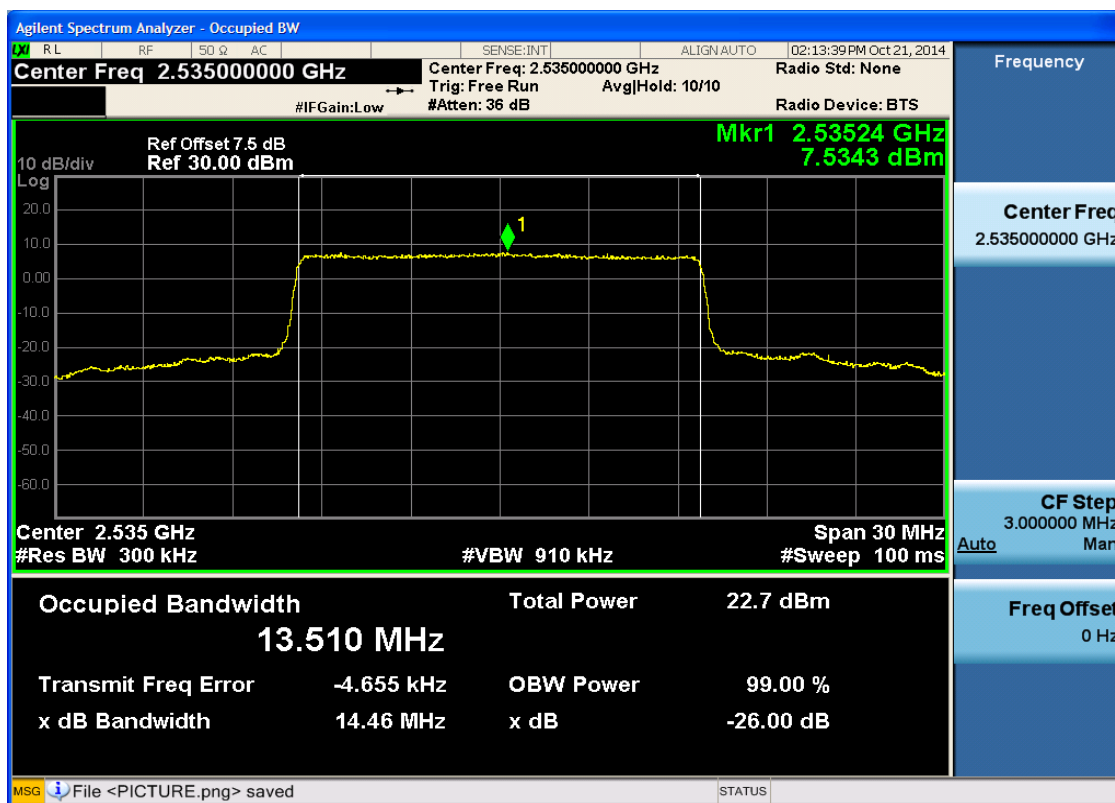
4.3.4.2.3.1.1 Test RB = RB75#0





4.3.4.2.3.2 Test Channel = MCH

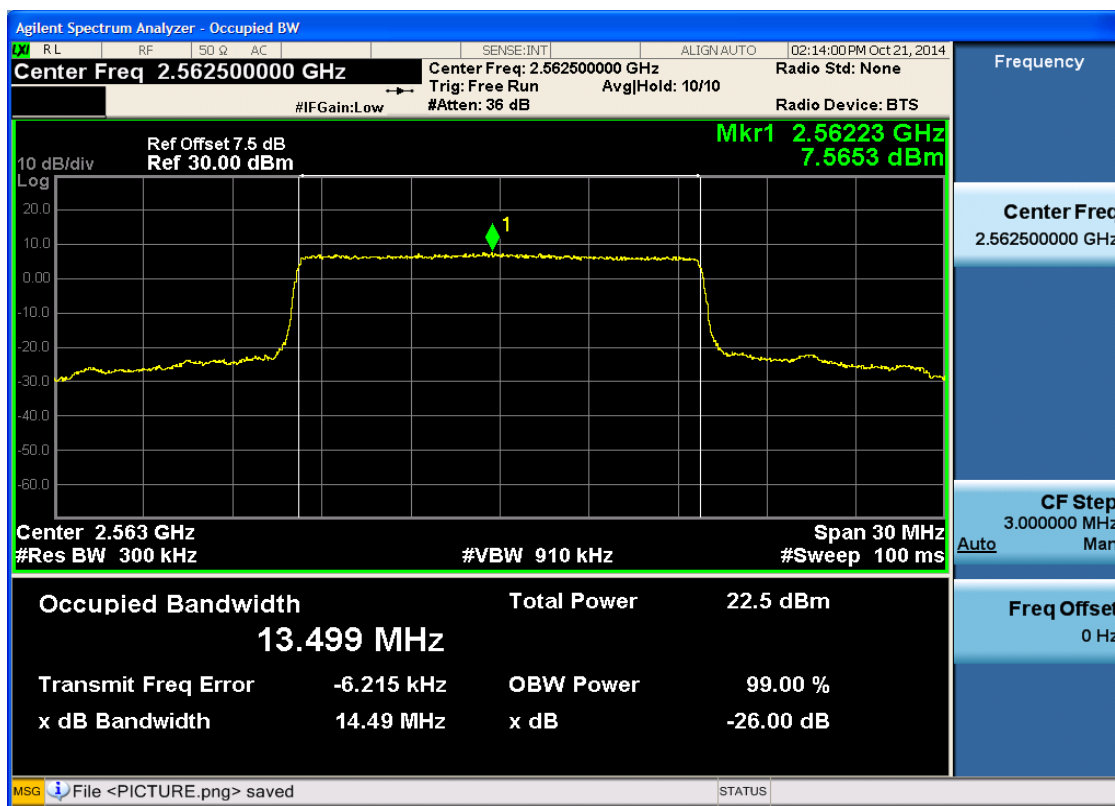
4.3.4.2.3.2.1 Test RB = RB75#0





4.3.4.2.3.3 Test Channel = HCH

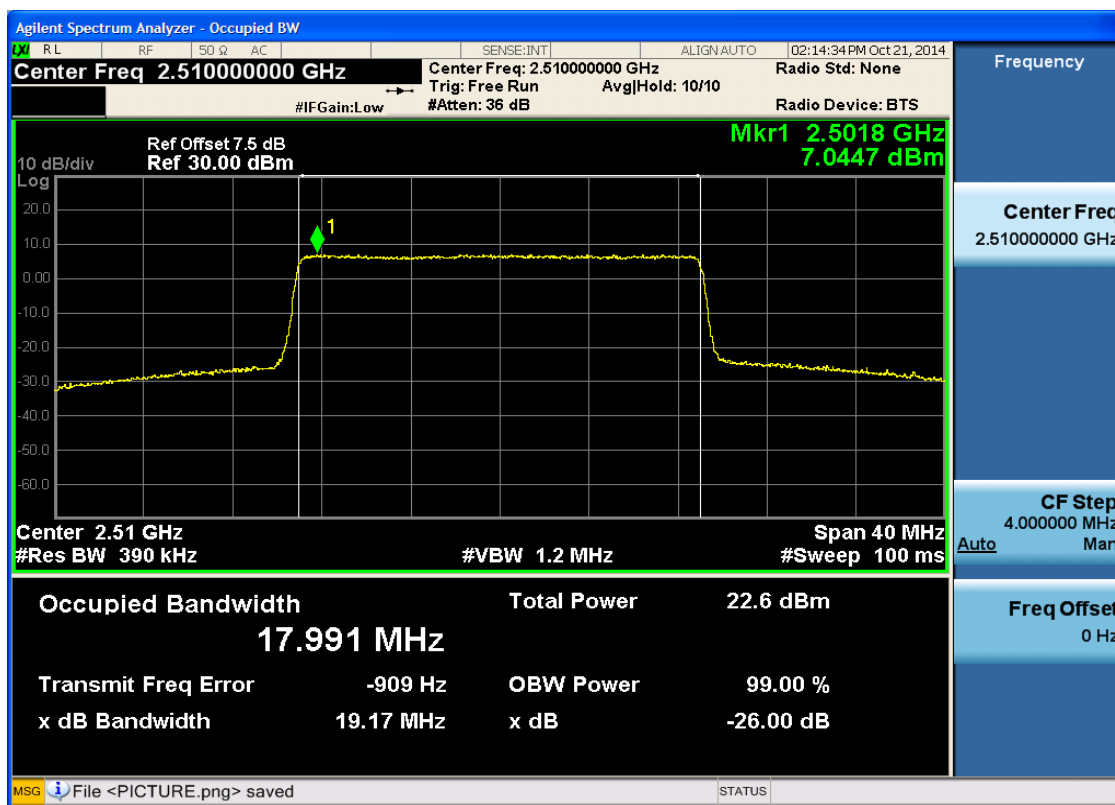
4.3.4.2.3.3.1 Test RB = RB75#0



4.3.4.2.4 Test Bandwidth = 20

4.3.4.2.4.1 Test Channel = LCH

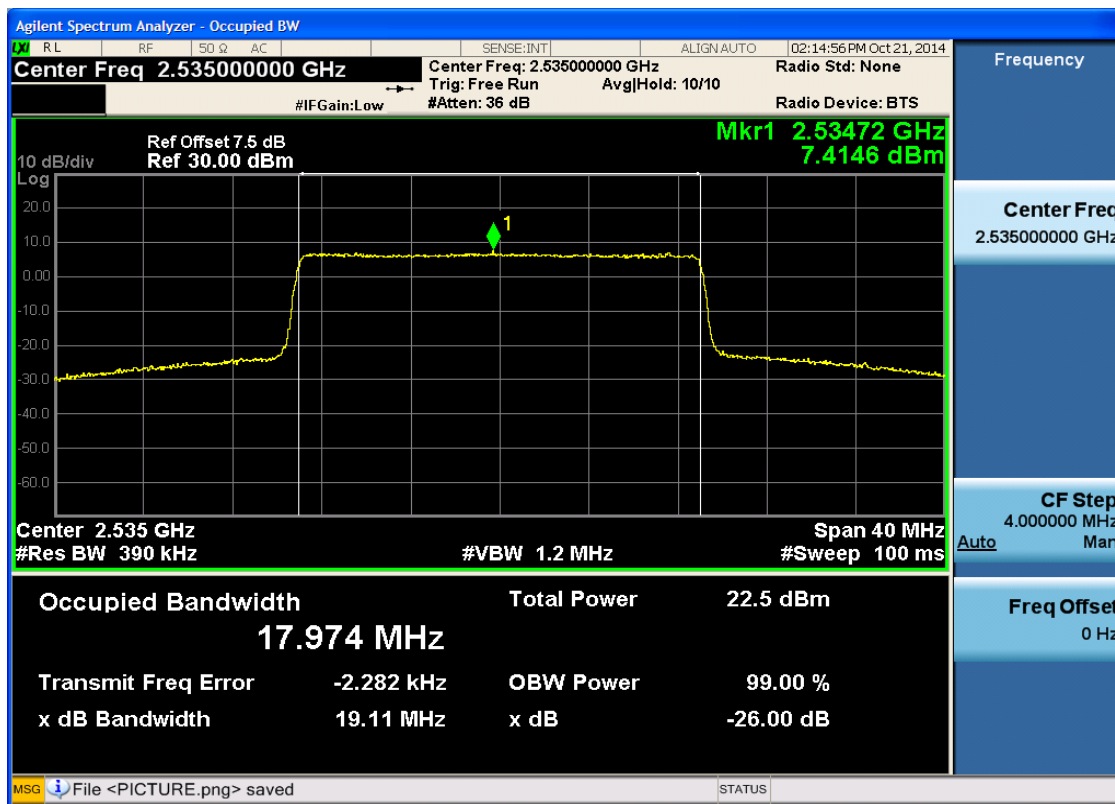
4.3.4.2.4.1.1 Test RB = RB100#0





4.3.4.2.4.2 Test Channel = MCH

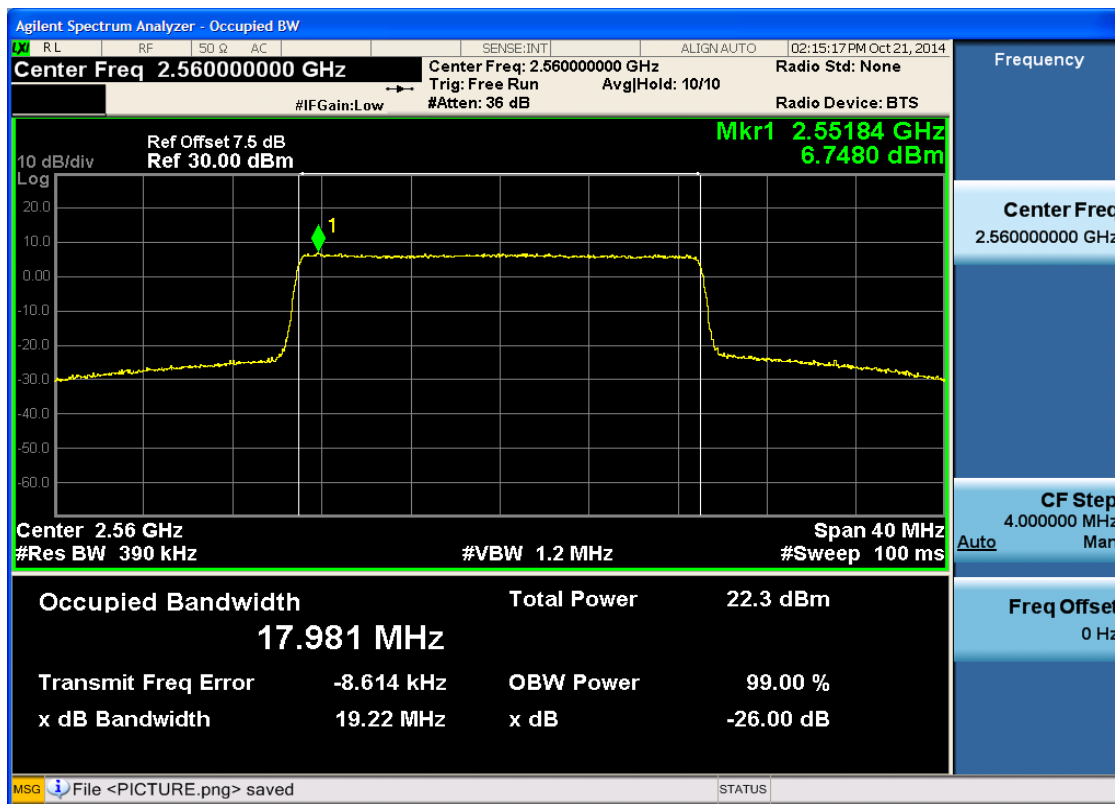
4.3.4.2.4.2.1 Test RB = RB100#0





4.3.4.2.4.3 Test Channel = HCH

4.3.4.2.4.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

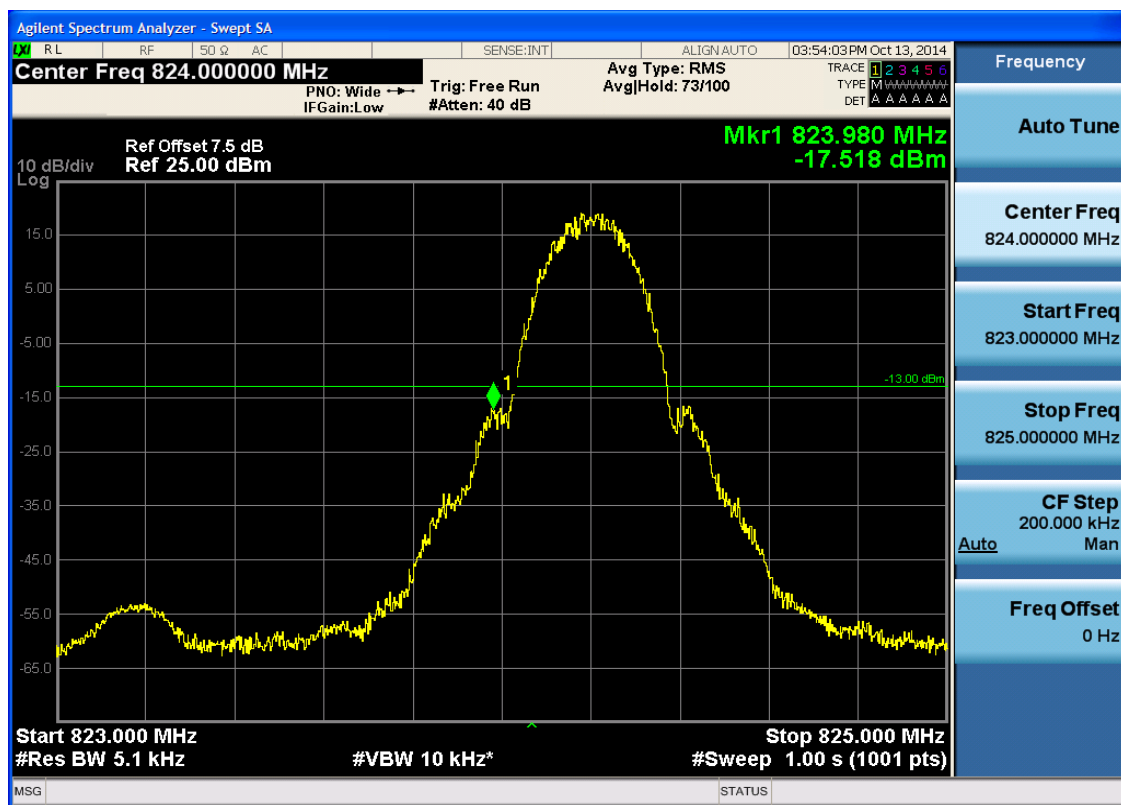
Part I - Test Plots

5.1 For GSM

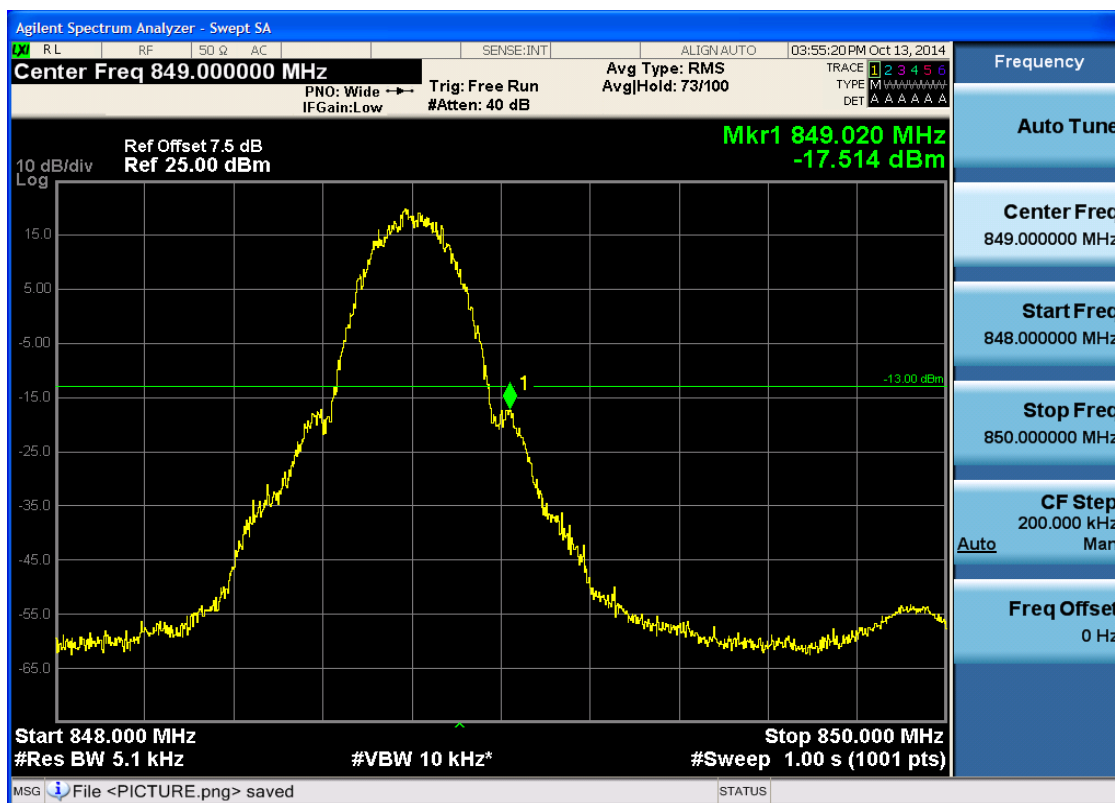
5.1.1 Test Band = GSM850

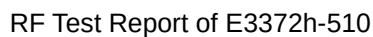
5.1.1.1 Test Mode = GSM/TM1

5.1.1.1.1 Test Channel = LCH

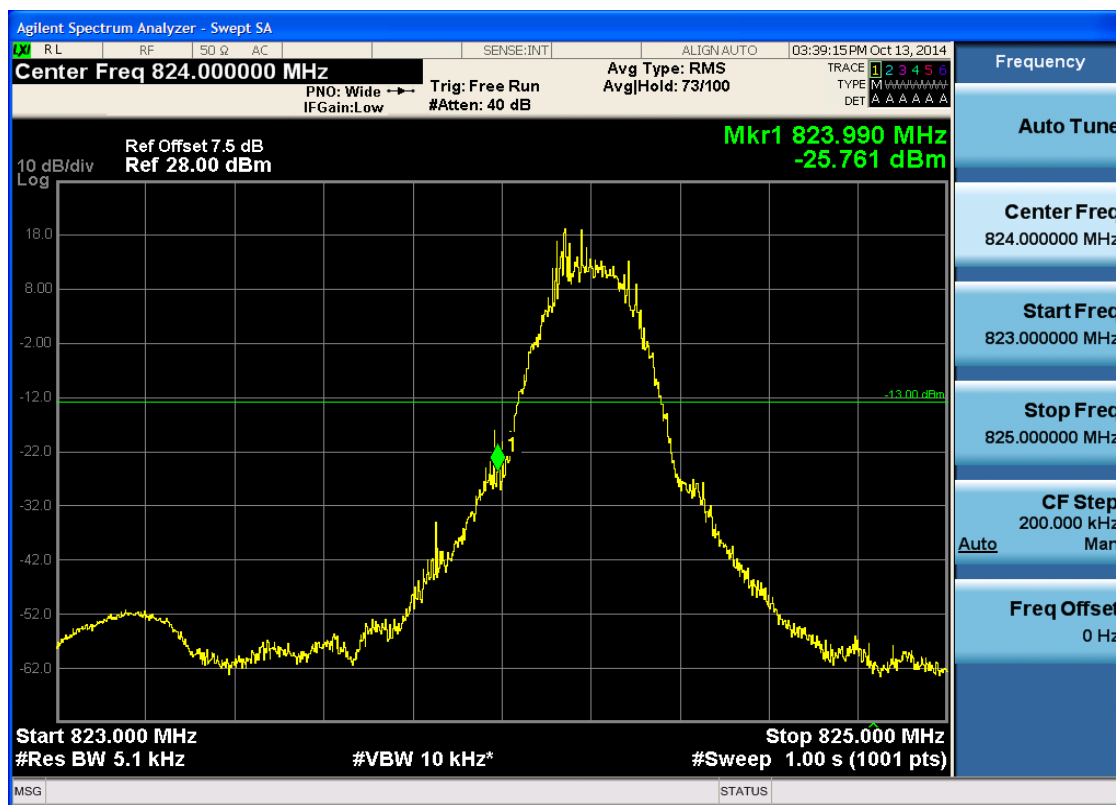


5.1.1.1.2 Test Channel = HCH

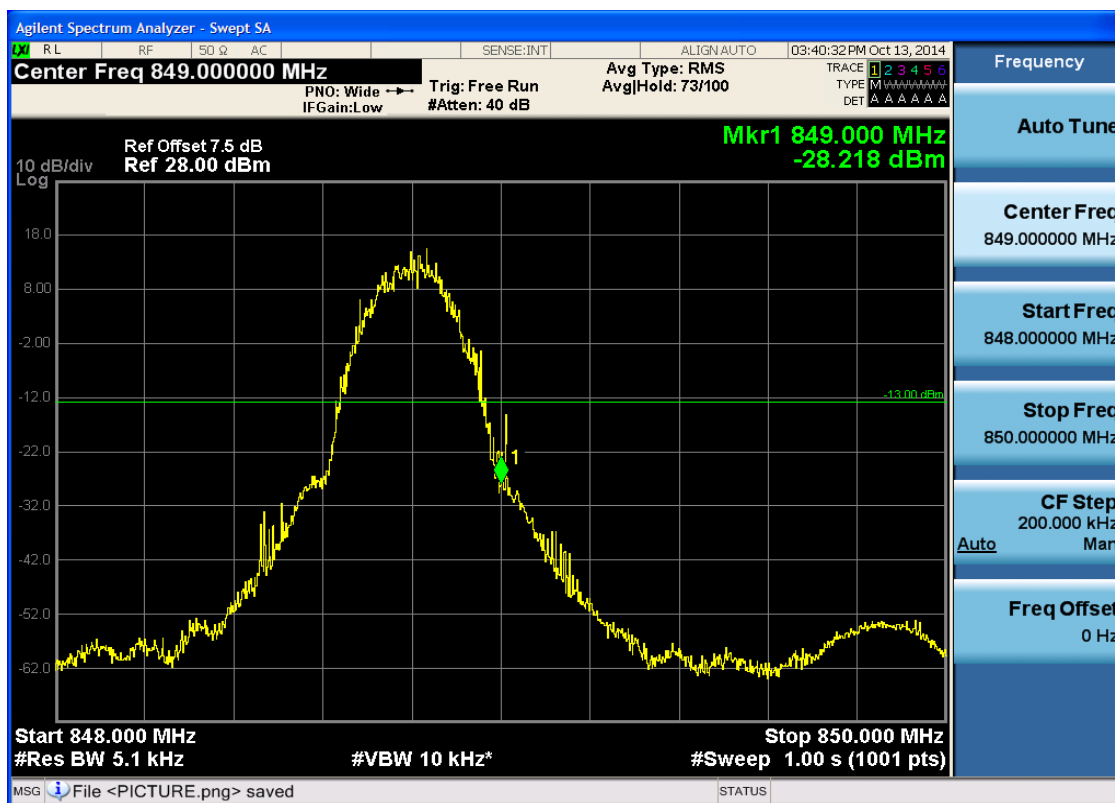




5.1.1.2.1 Test Channel = LCH



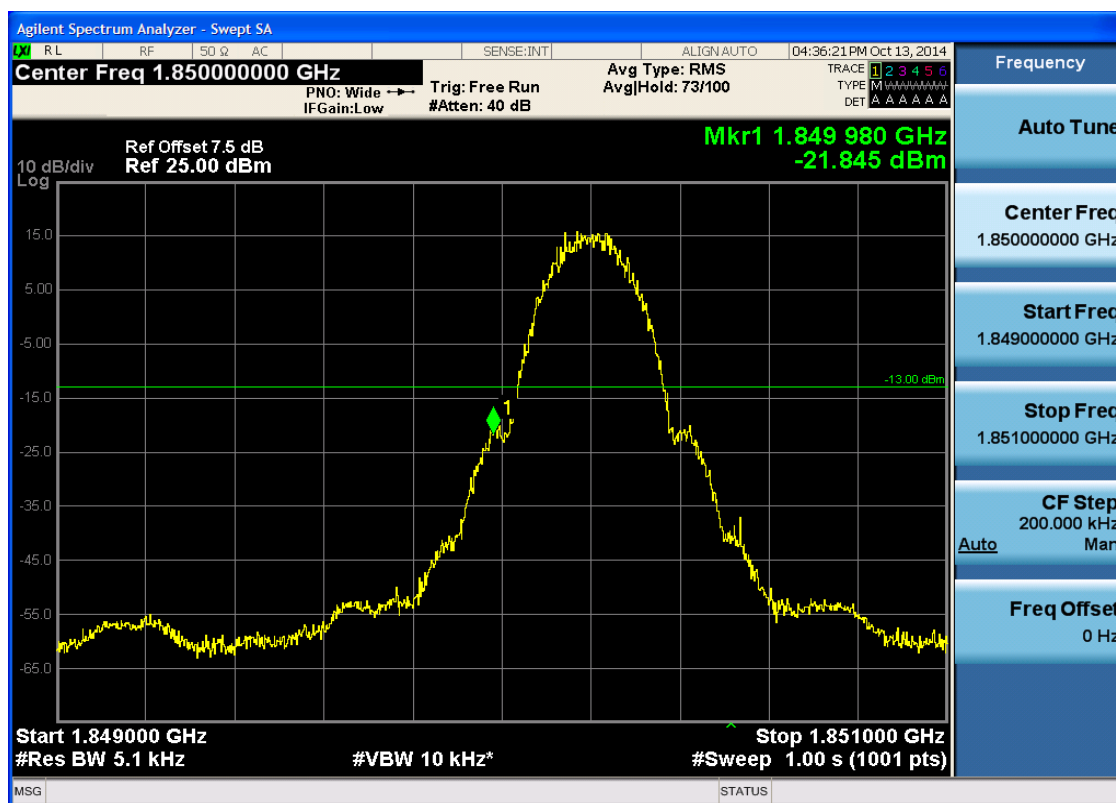
5.1.1.2.2 Test Channel = HCH

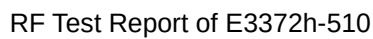


5.1.2 Test Band = GSM1900

5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 04:37:38 PM Oct 13, 2014

Center Freq 1.91000000 GHz

PNO: Wide Trig: Free Run Avg Type: RMS
IFGain: Low #Atten: 40 dB AvgHold: 73/100

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

Ref Offset 7.5 dB
Ref 25.00 dBm

Mkr1 1.910 020 GHz
-19.857 dBm

10 dB/div
Log

15.0
5.00
-5.00
-15.0
-25.0
-35.0
-45.0
-55.0
-65.0

-13.00 dBm

Start 1.909000 GHz
#Res BW 5.1 kHz
#VBW 10 kHz*

Stop 1.911000 GHz
#Sweep 1.00 s (1001 pts)

MSG File <PICTURE.png> saved STATUS

Frequency

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.90900000 GHz

Stop Freq
1.91100000 GHz

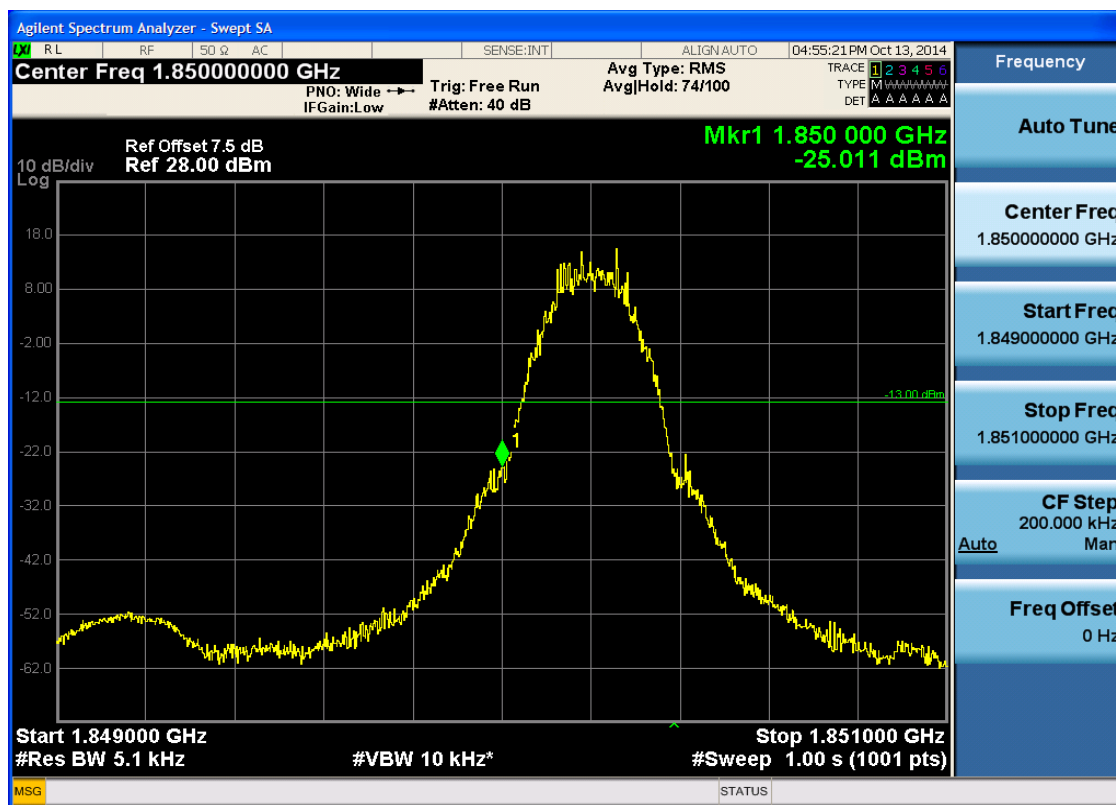
CF Step
200.000 kHz
Man

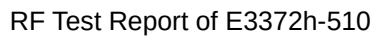
Auto

Freq Offset
0 Hz

5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 40 dB

Avg Type: RMS Avg/Hold: 74/100

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

Ref Offset 7.5 dB
Ref 28.00 dBm

Mkr1 1.910 010 GHz
-26.242 dBm

Start 1.909000 GHz Stop 1.911000 GHz
#Res BW 5.1 kHz #VBW 10 kHz* #Sweep 1.00 s (1001 pts)

MSG File <PICTURE.png> saved STATUS

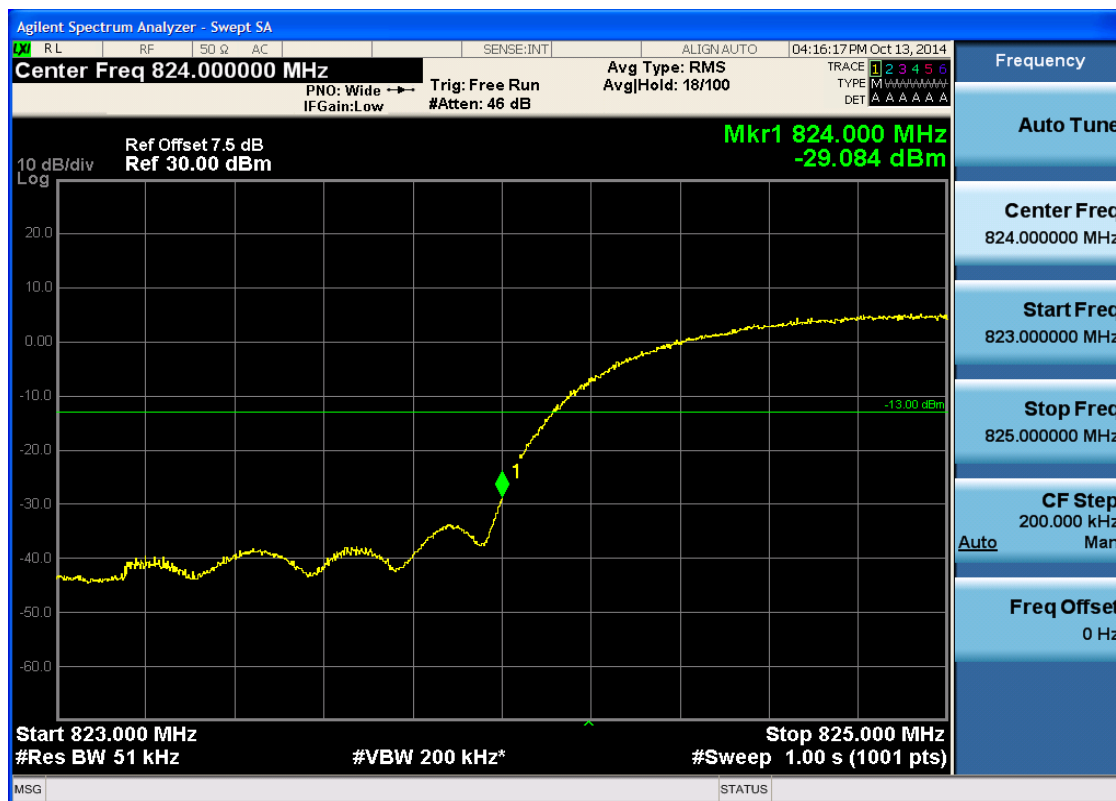
Frequency
Auto Tune
Center Freq 1.91000000 GHz
Start Freq 1.90900000 GHz
Stop Freq 1.91100000 GHz
CF Step 200.000 kHz <u>Auto</u> Man
Freq Offset 0 Hz

5.2 For UMTS

5.2.1 Test Band = WCDMA850

5.2.1.1 Test Mode = UMTS/TM1

5.2.1.1.1 Test Channel = LCH



5.2.1.1.2 Test Channel = HCH

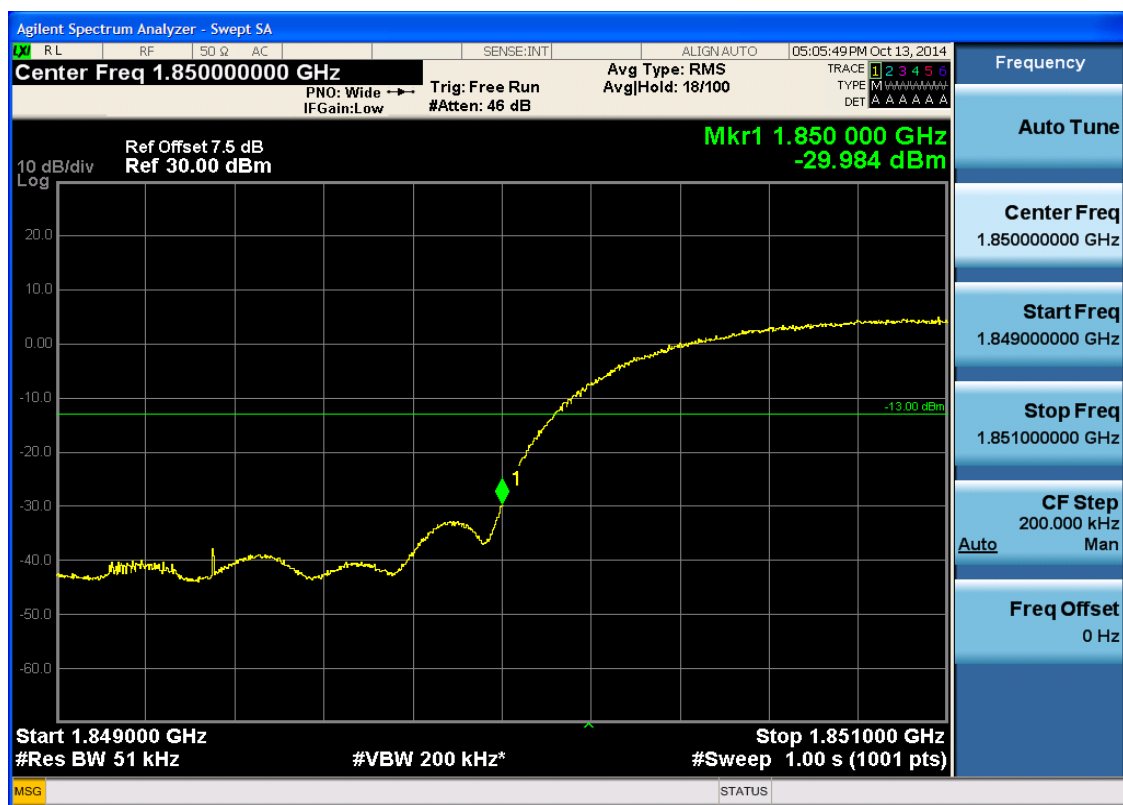




5.2.2 Test Band = WCDMA1900

5.2.2.1 Test Mode = UMTS/TM1

5.2.2.1.1 Test Channel = LCH



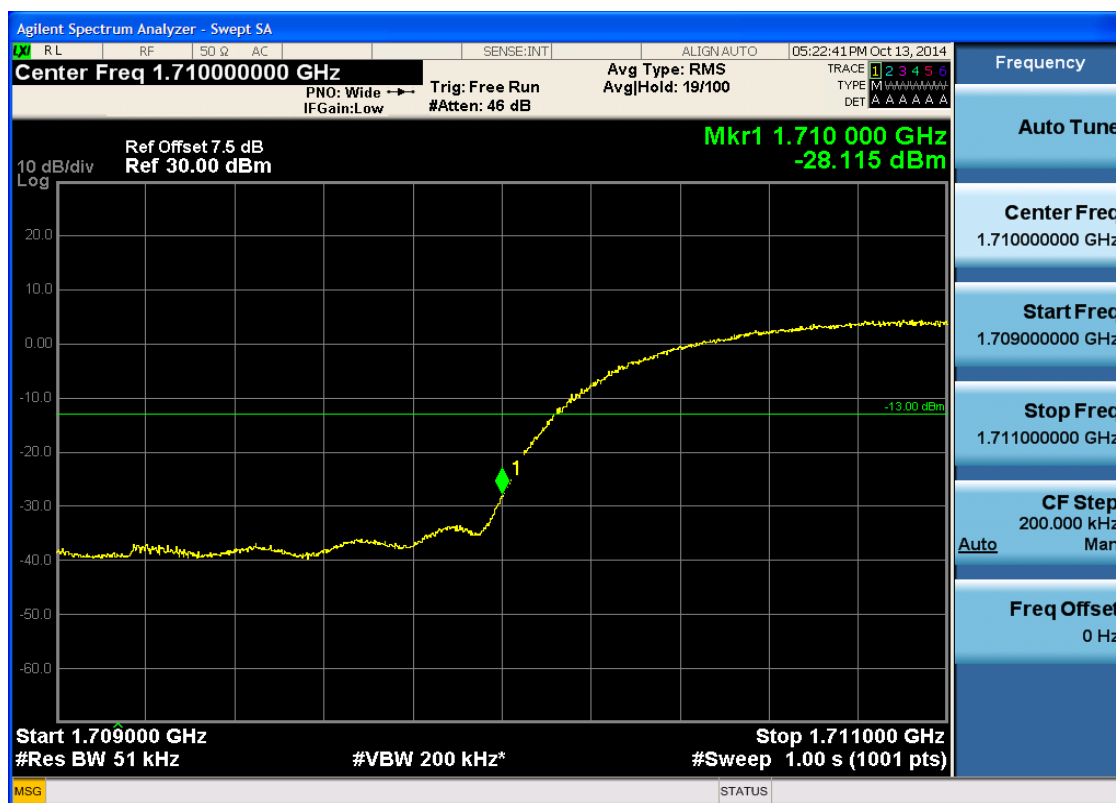
5.2.2.1.2 Test Channel = HCH



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

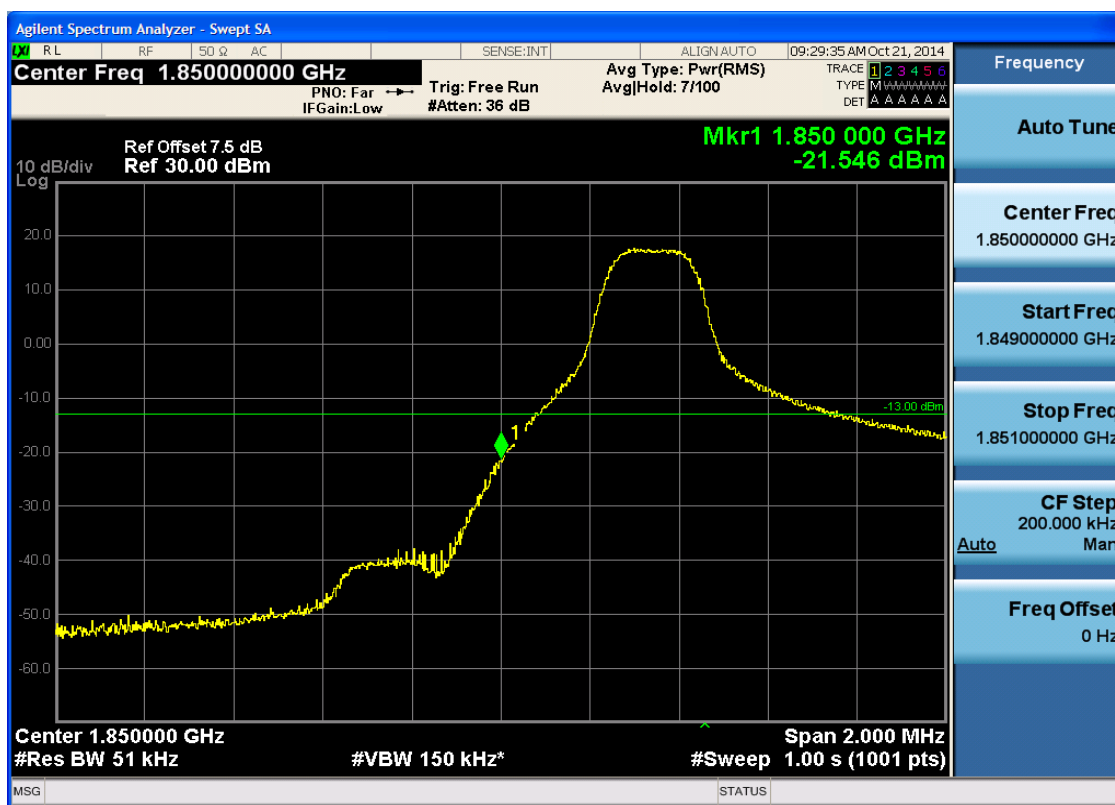
5.3.1 Test Band = BAND2

5.3.1.1 Test Mode = LTE/TM1

5.3.1.1.1 Test Bandwidth = 5

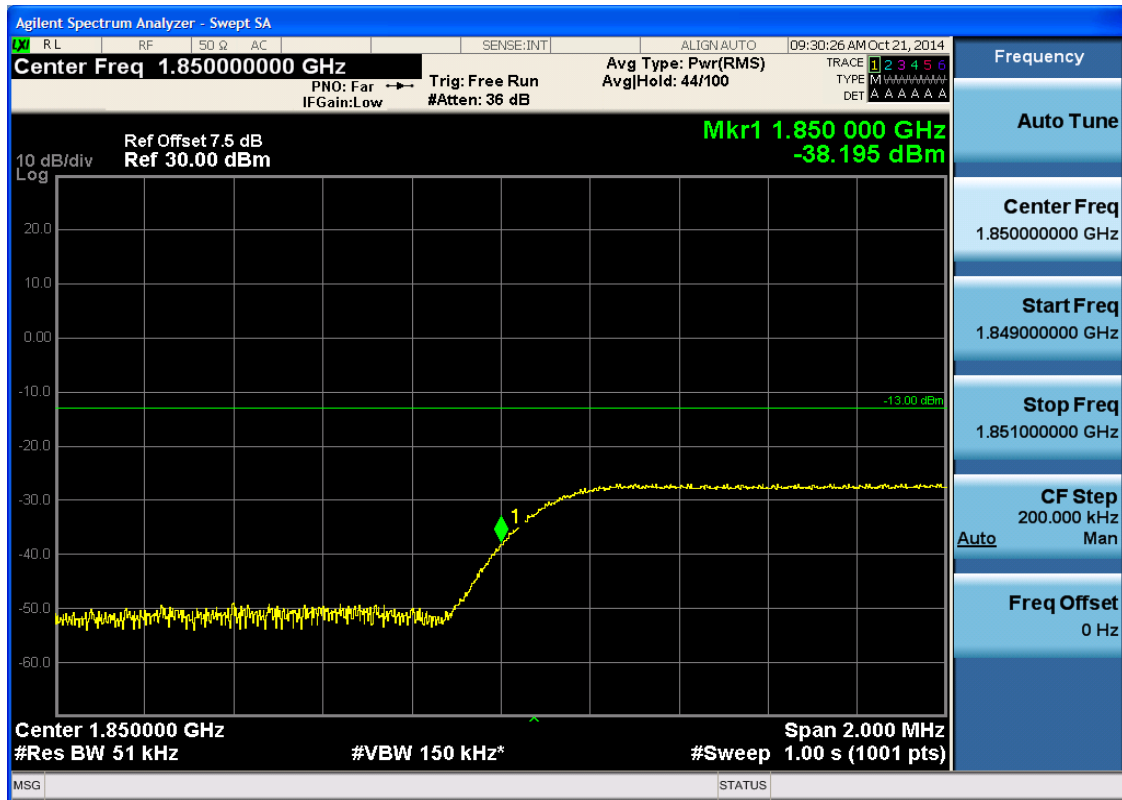
5.3.1.1.1.1 Test Channel = LCH

5.3.1.1.1.1.1 Test RB = RB1#0



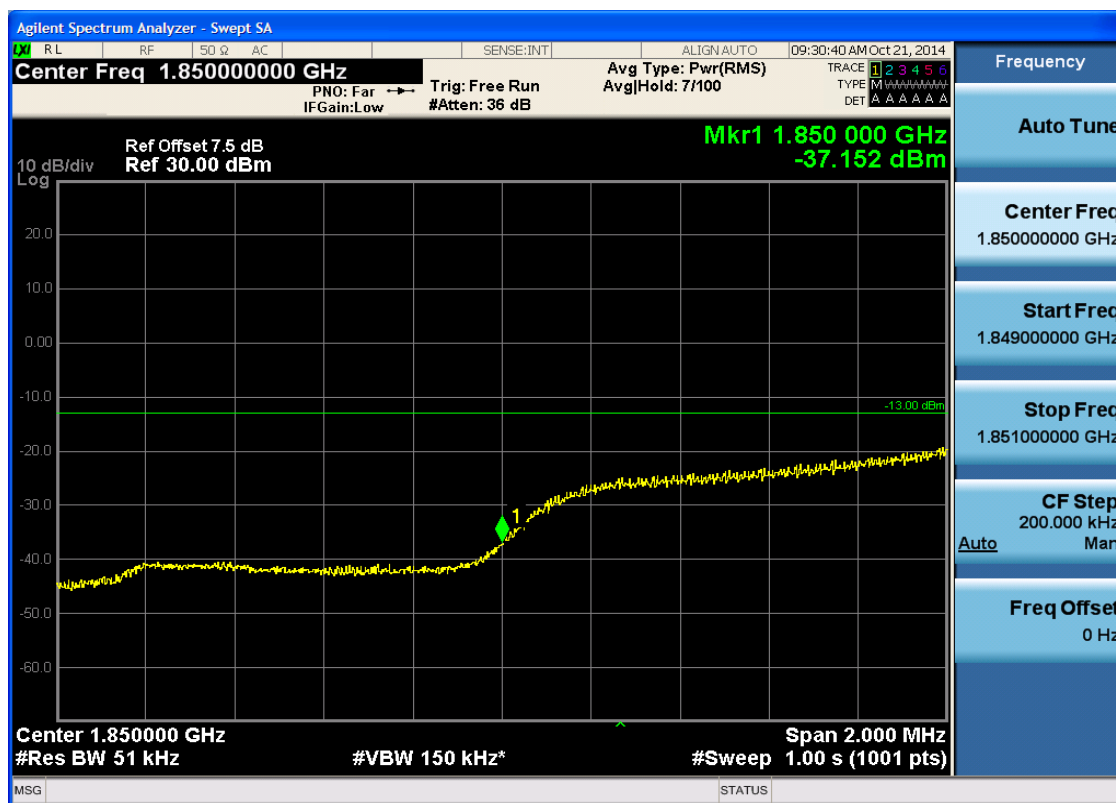


5.3.1.1.1.2 Test RB = RB1#24



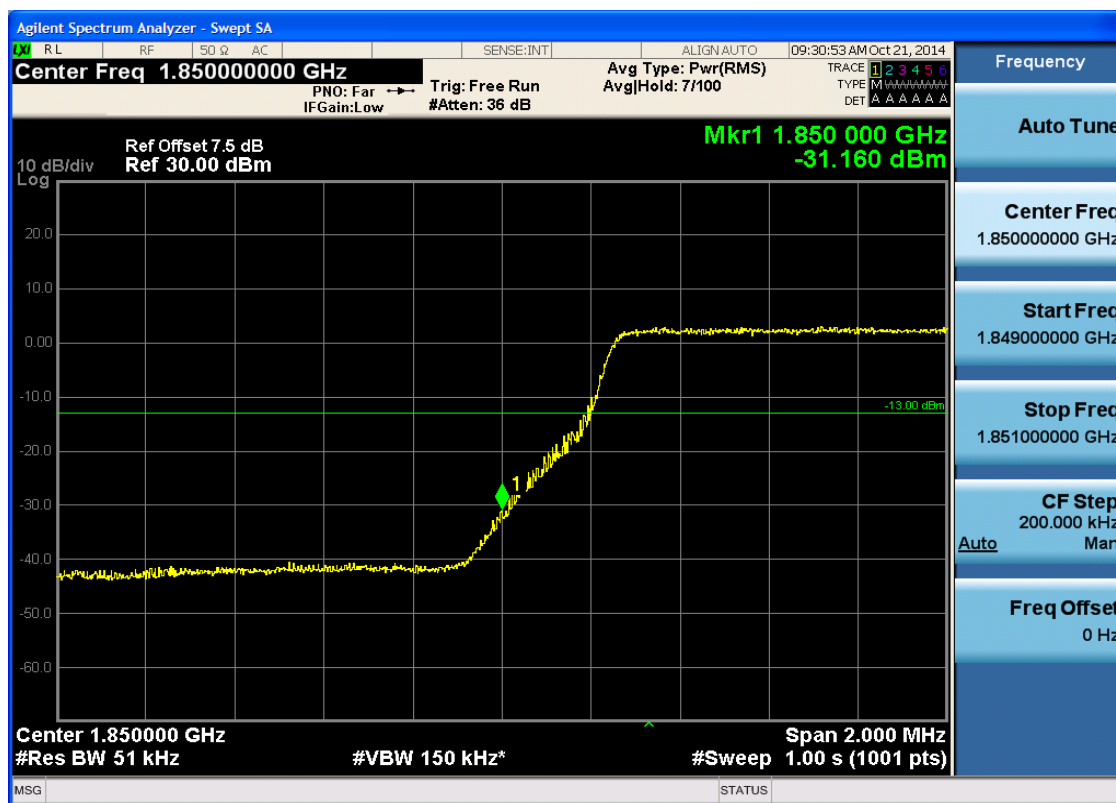


5.3.1.1.1.3 Test RB = RB12#6



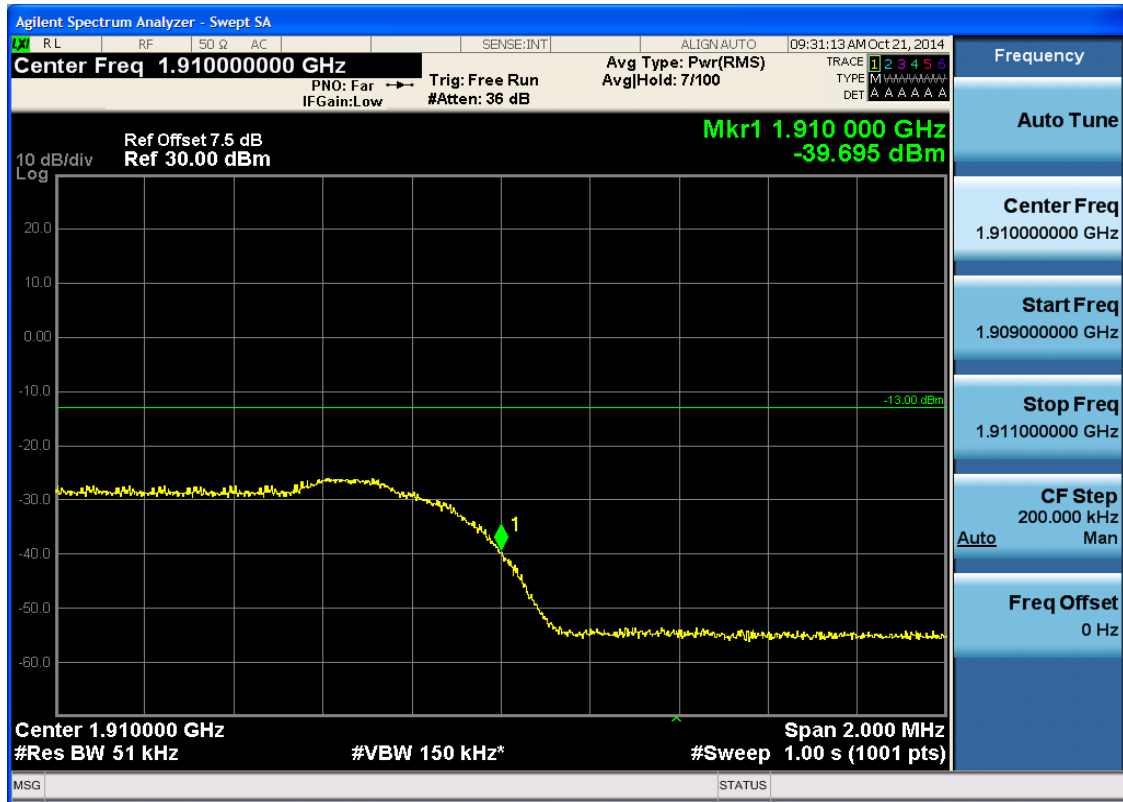


5.3.1.1.1.4 Test RB = RB25#0



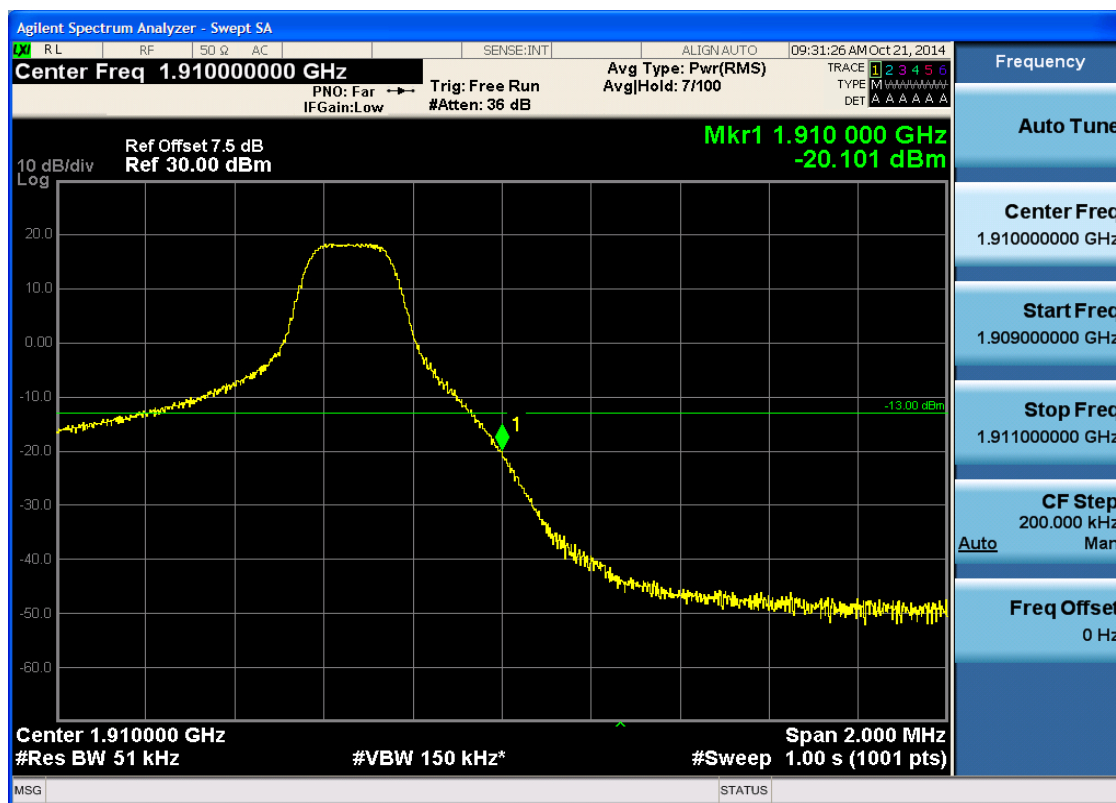
5.3.1.1.1.2 Test Channel = HCH

5.3.1.1.1.2.1 Test RB = RB1#0





5.3.1.1.1.2.2 Test RB = RB1#24





5.3.1.1.1.2.3 Test RB = RB12#6





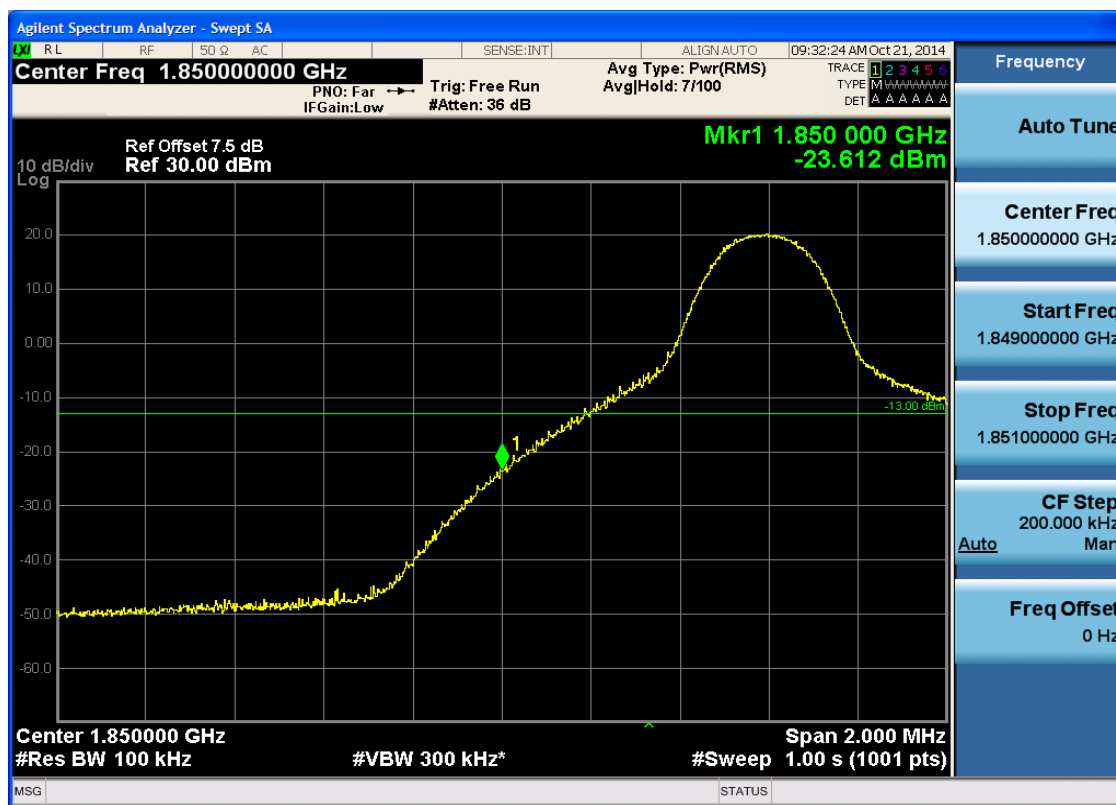
5.3.1.1.1.2.4 Test RB = RB25#0



5.3.1.1.2 Test Bandwidth = 10

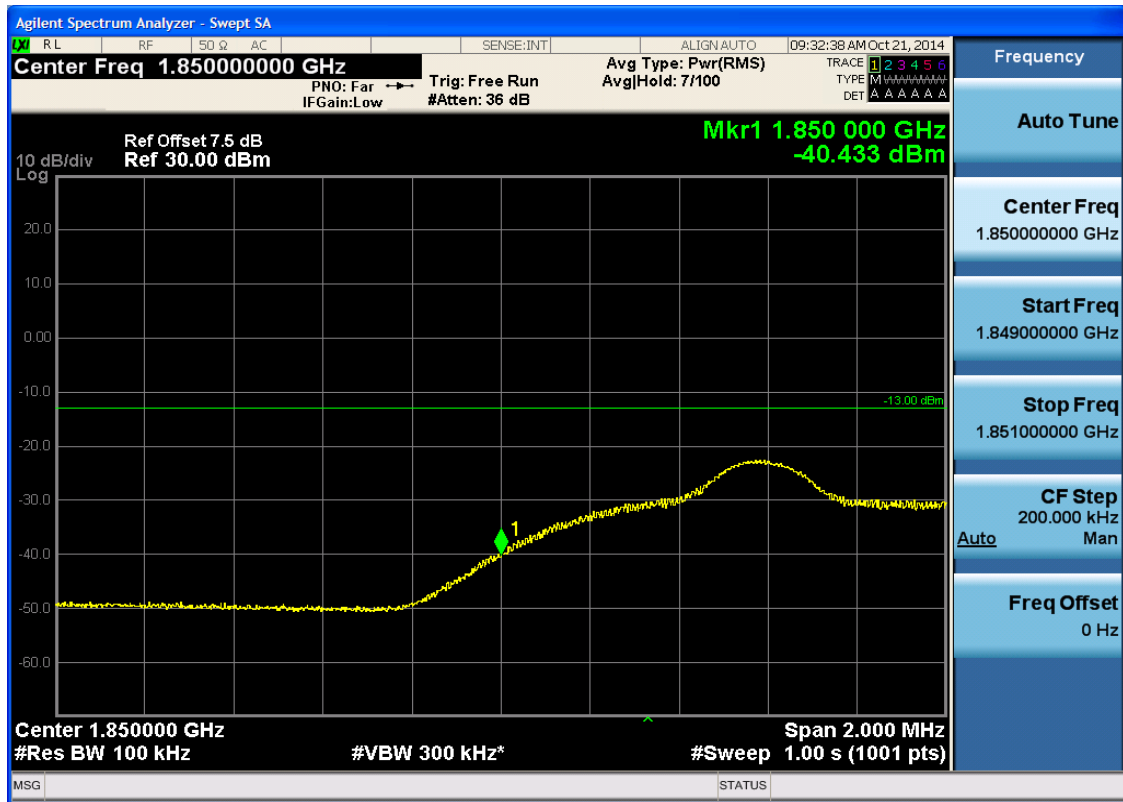
5.3.1.1.2.1 Test Channel = LCH

5.3.1.1.2.1.1 Test RB = RB1#0



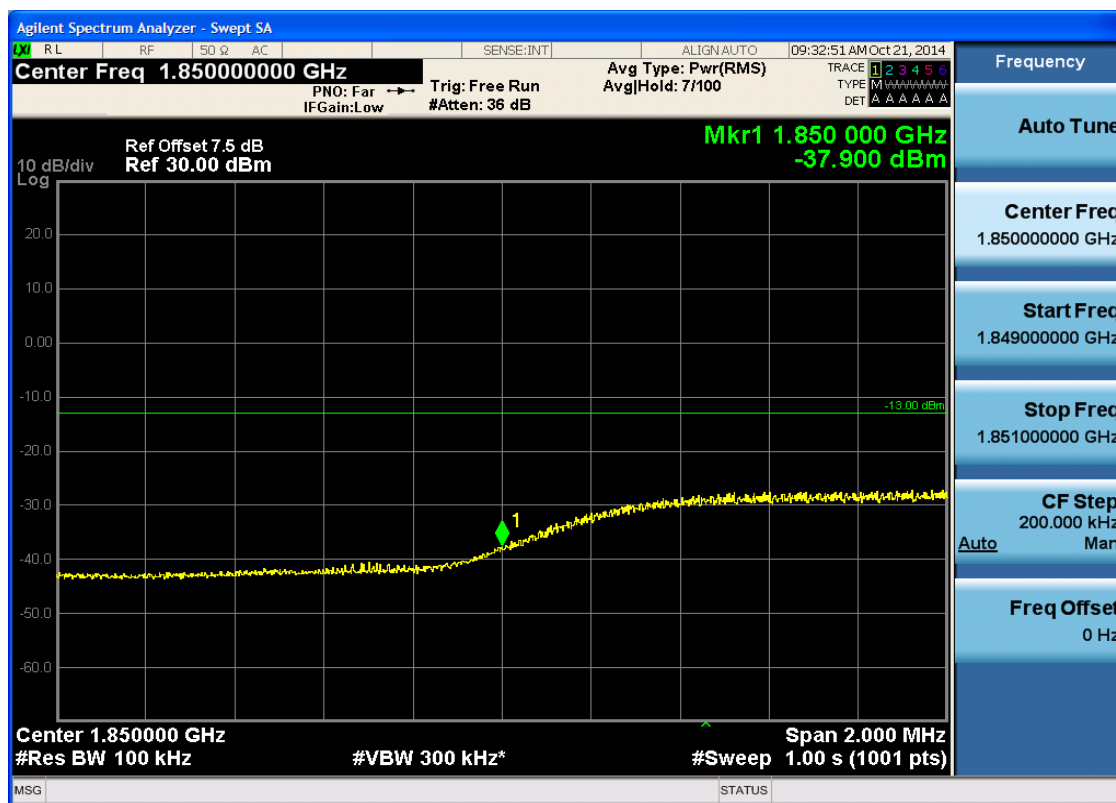


5.3.1.1.2.1.2 Test RB = RB1#49



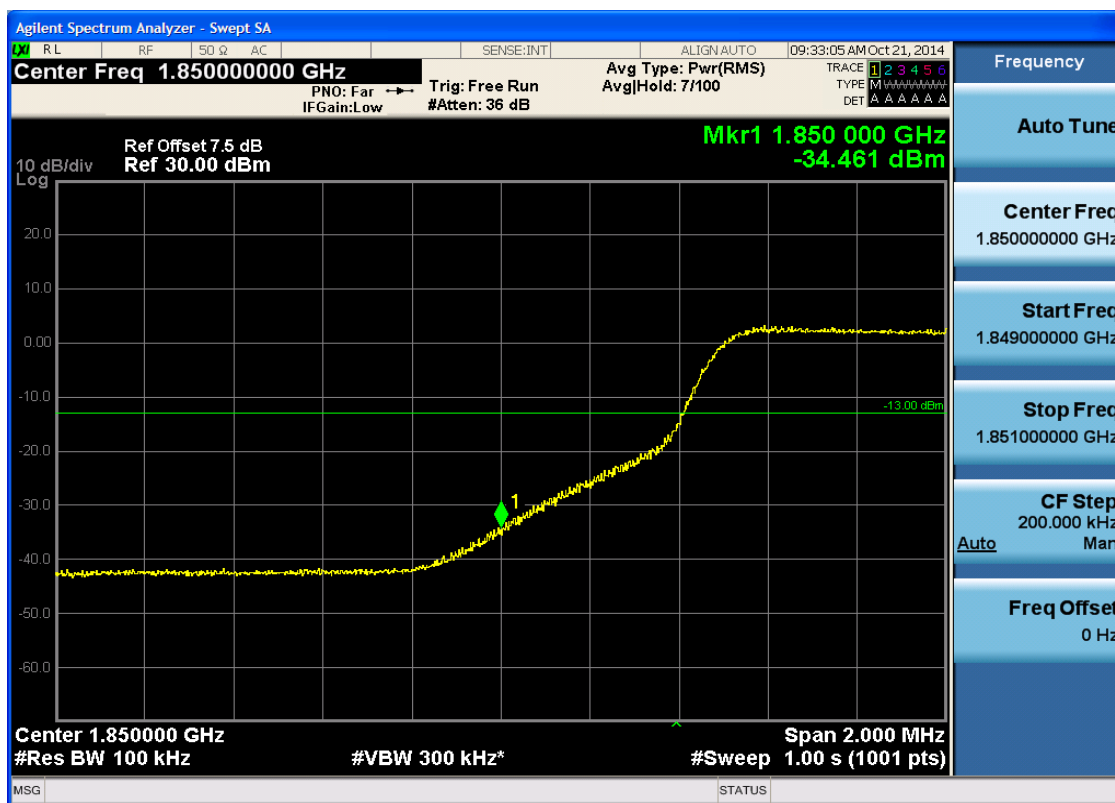


5.3.1.1.2.1.3 Test RB = RB25#13





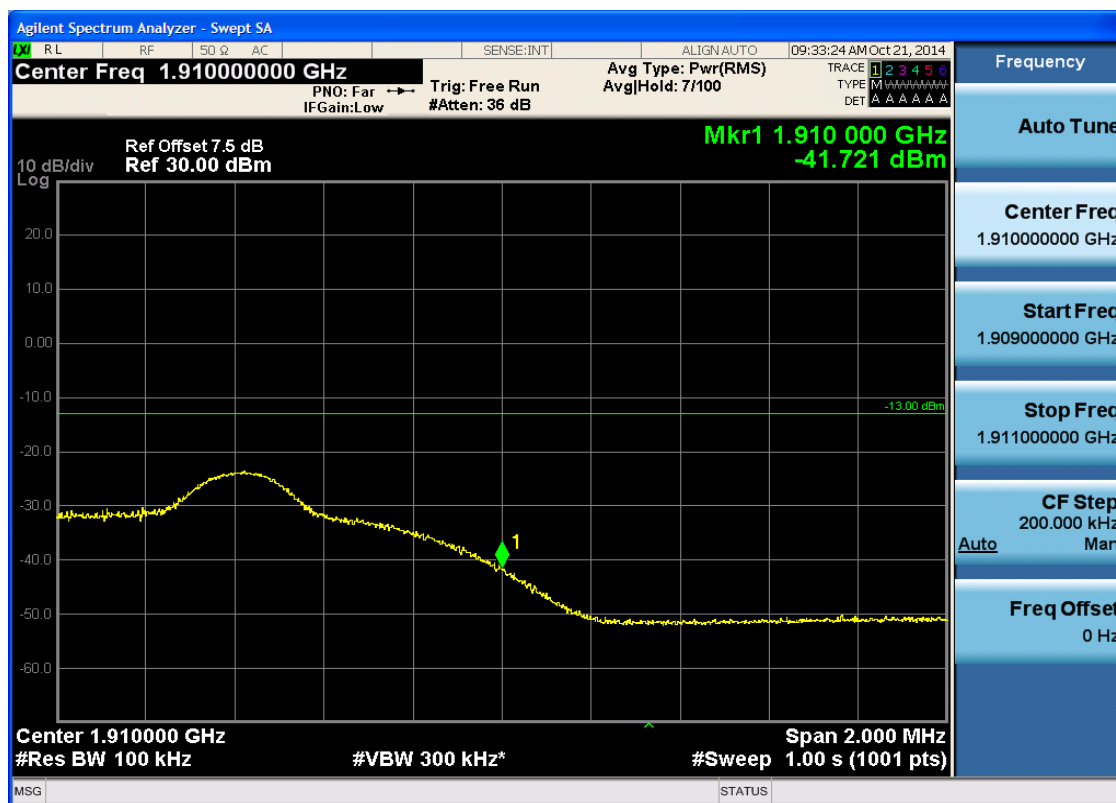
5.3.1.1.2.1.4 Test RB = RB50#0

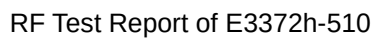




5.3.1.1.2.2 Test Channel = HCH

5.3.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-22.592 dBm

Center Freq 1.91000000 GHz

Start Freq 1.909000000 GHz

Stop Freq 1.911000000 GHz

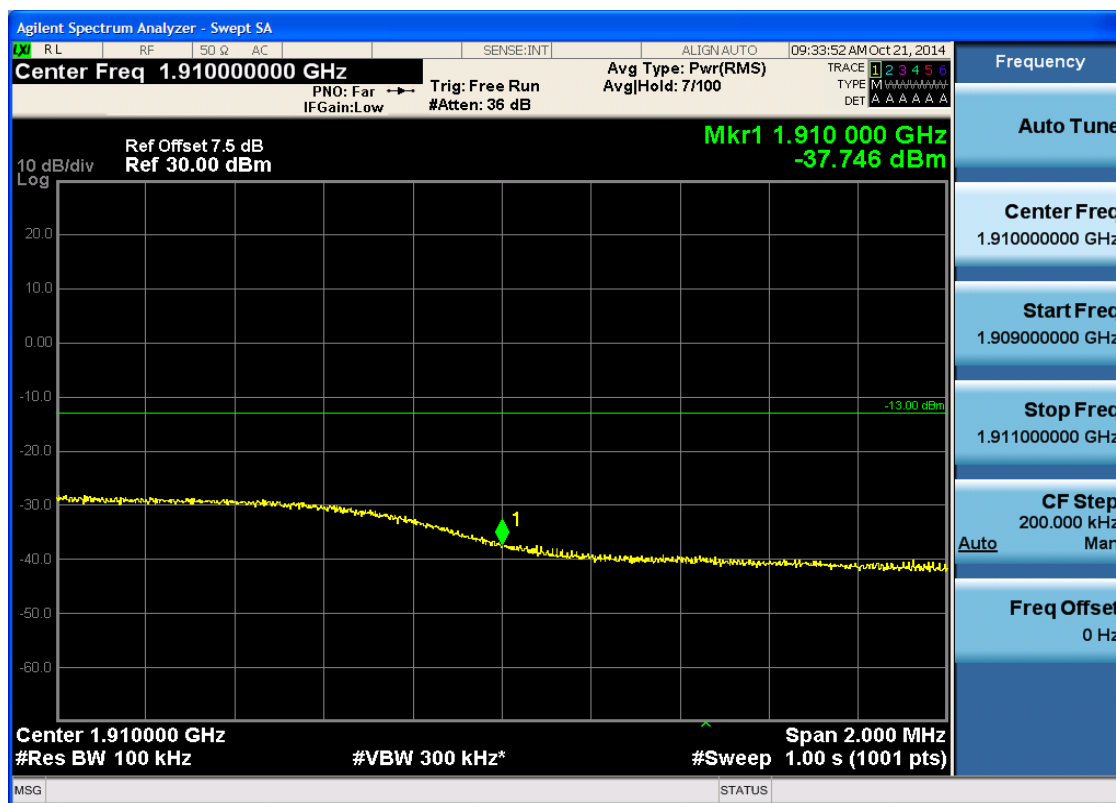
CF Step 200.000 kHz

Freq Offset 0 Hz

MSG STATUS

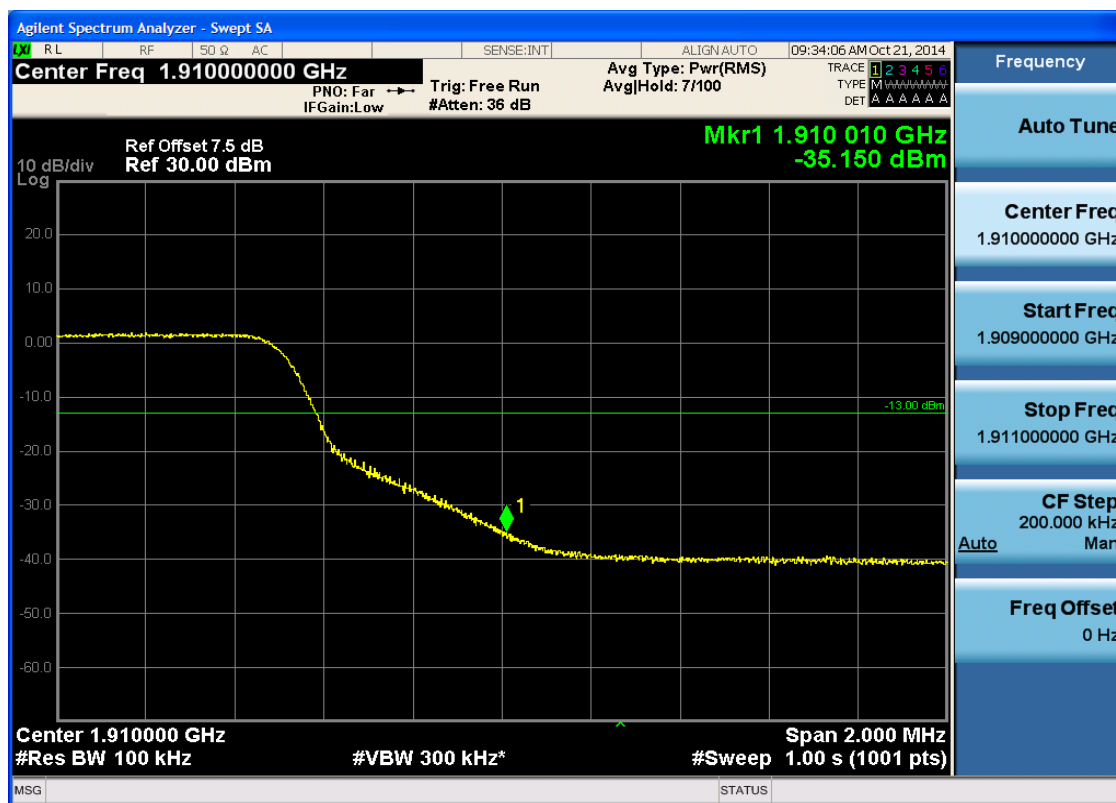


5.3.1.1.2.3 Test RB = RB25#13





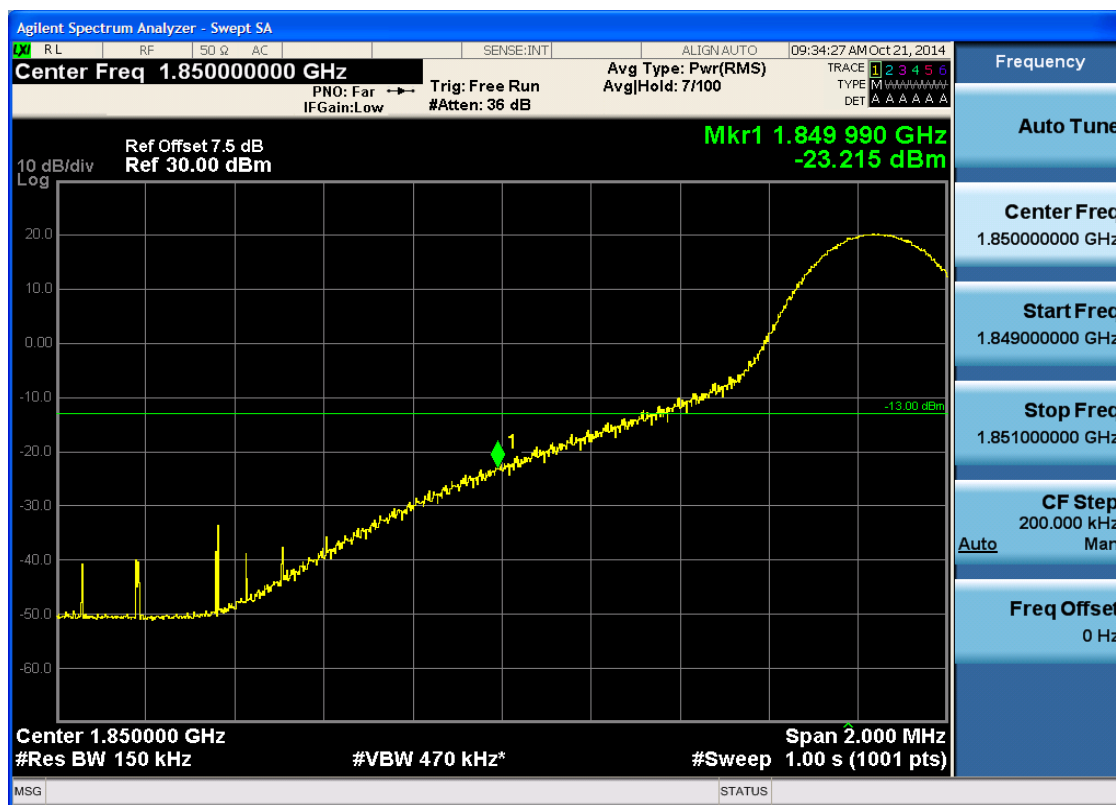
5.3.1.1.2.2.4 Test RB = RB50#0



5.3.1.1.3 Test Bandwidth = 15

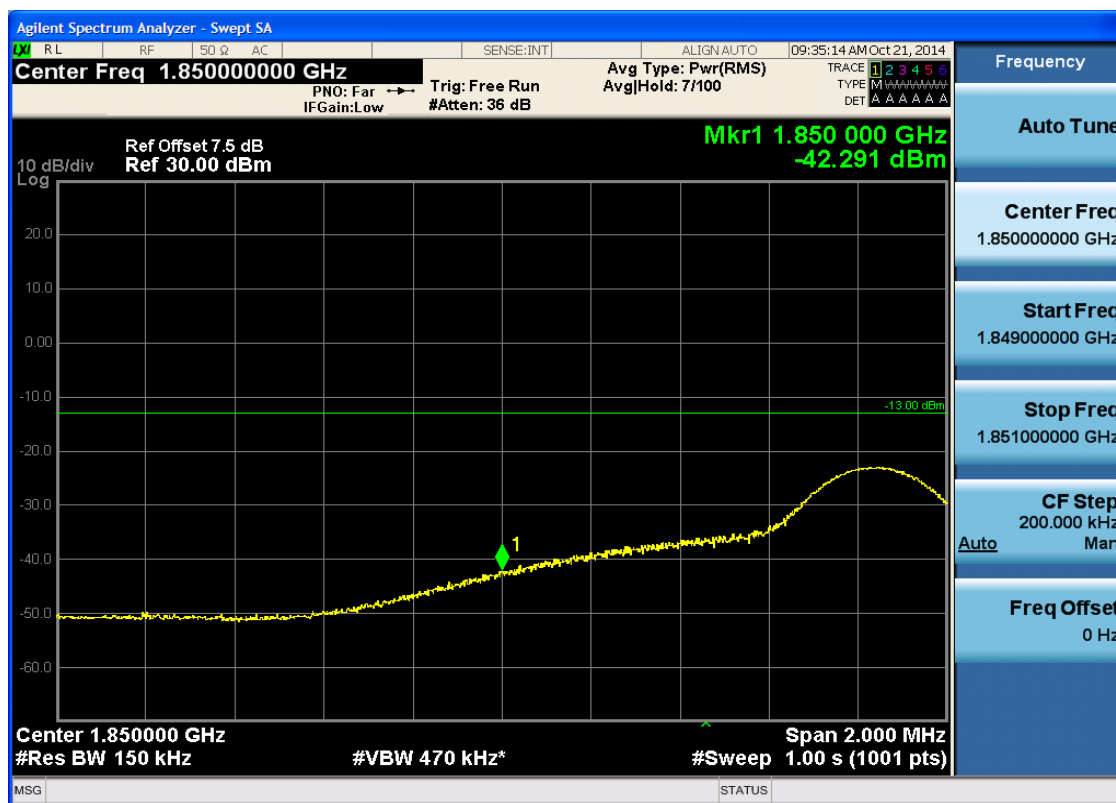
5.3.1.1.3.1 Test Channel = LCH

5.3.1.1.3.1.1 Test RB = RB1#0



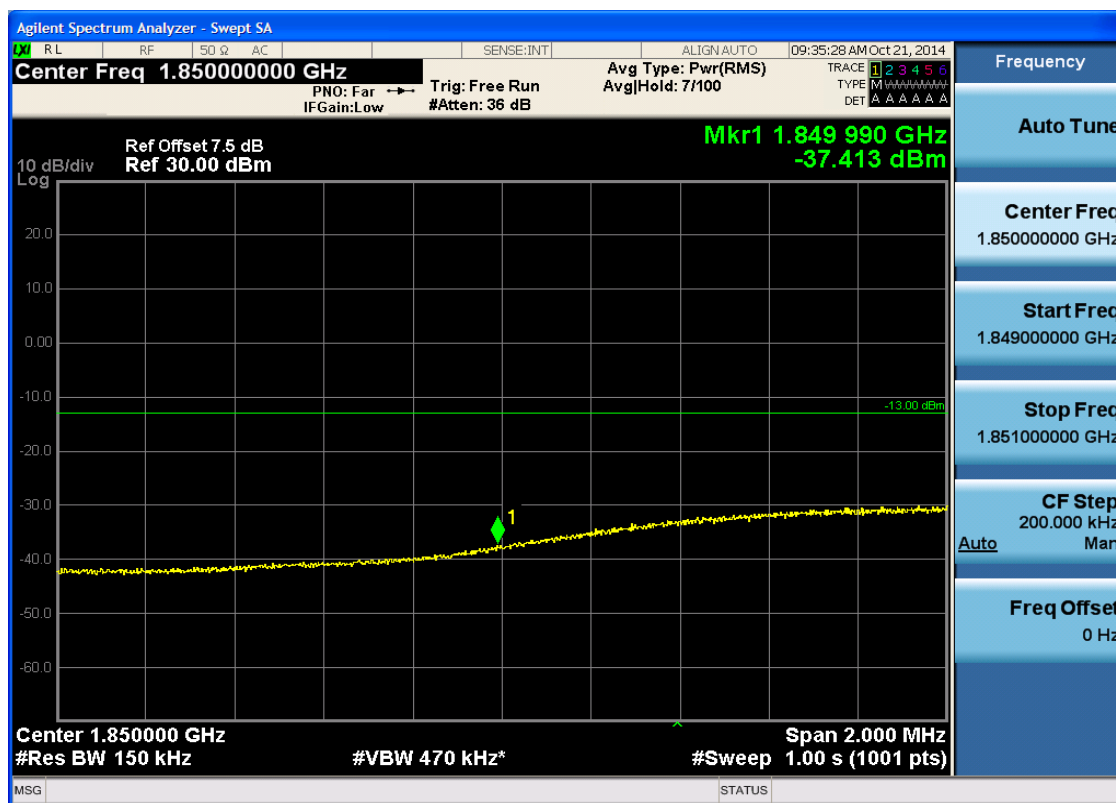


5.3.1.1.3.1.2 Test RB = RB1#74



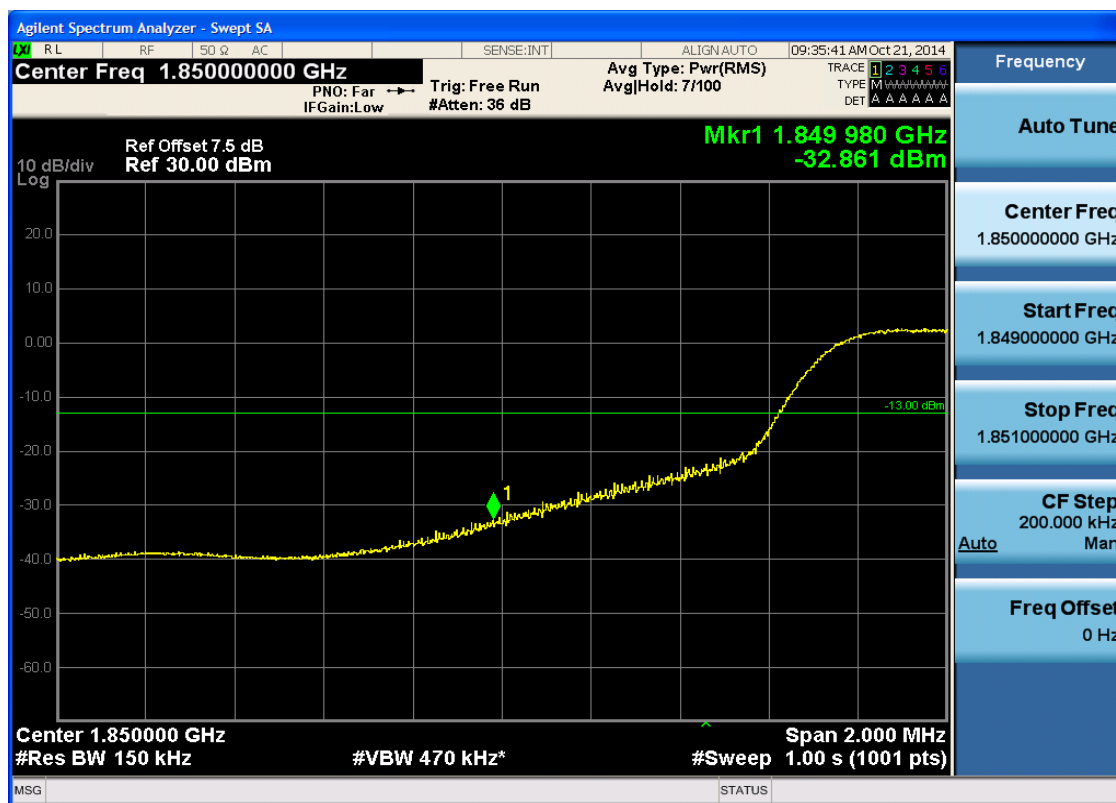


5.3.1.1.3.1.3 Test RB = RB36#18





5.3.1.1.3.1.4 Test RB = RB75#0





5.3.1.1.3.2 Test Channel = HCH

5.3.1.1.3.2.1 Test RB = RB1#0

