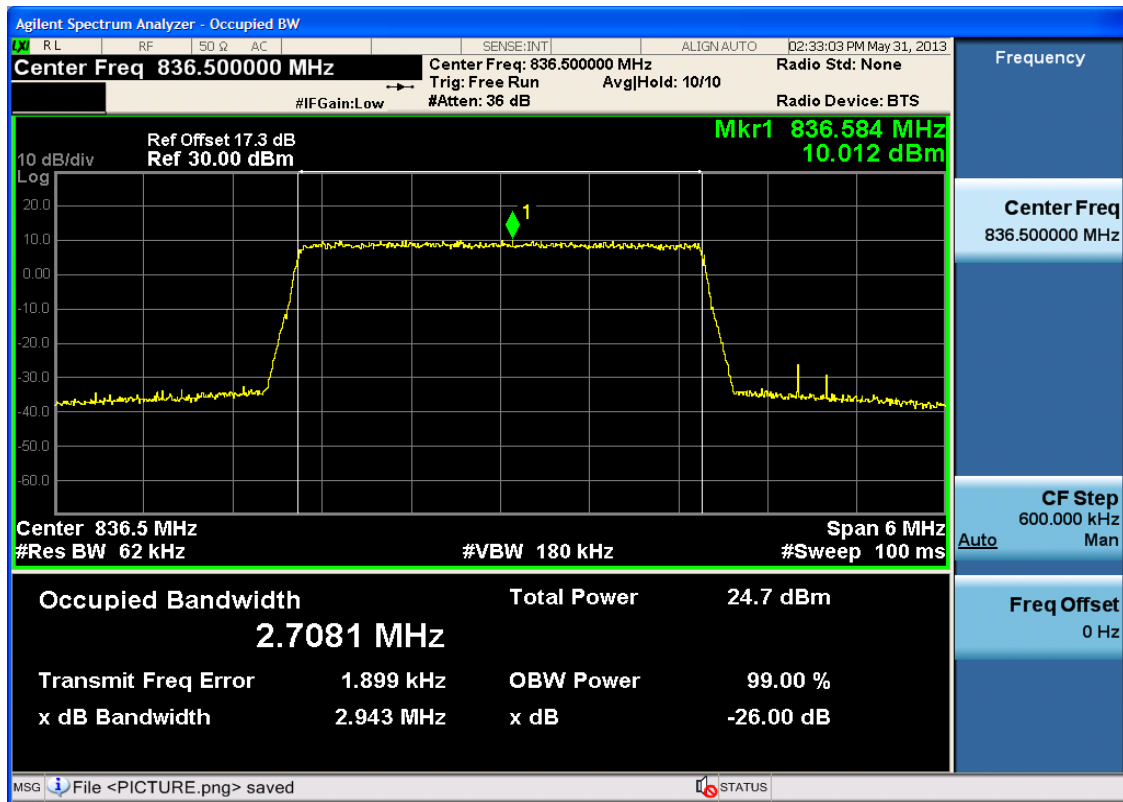


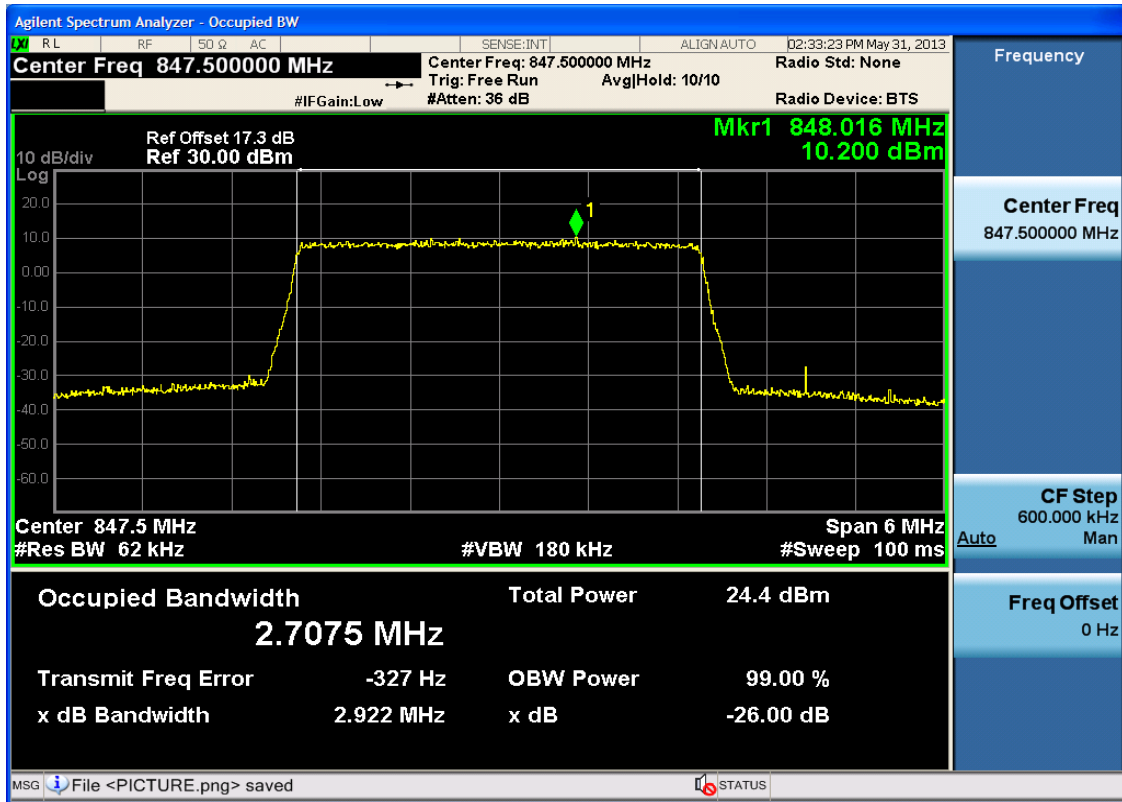
4.3.1.2.2.2 Test Channel = MCH

4.3.1.2.2.2.1 Test RB = RB15#0



4.3.1.2.2.3 Test Channel = HCH

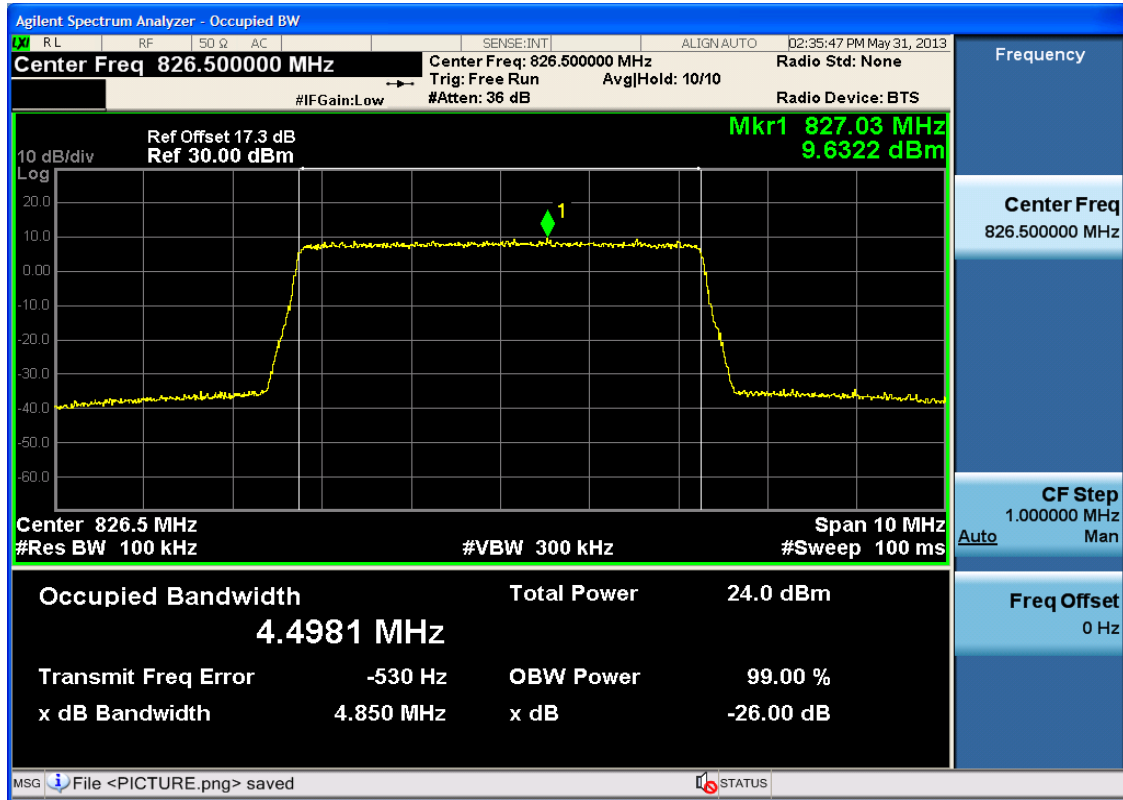
4.3.1.2.2.3.1 Test RB = RB15#0



4.3.1.2.3 Test Bandwidth = 5

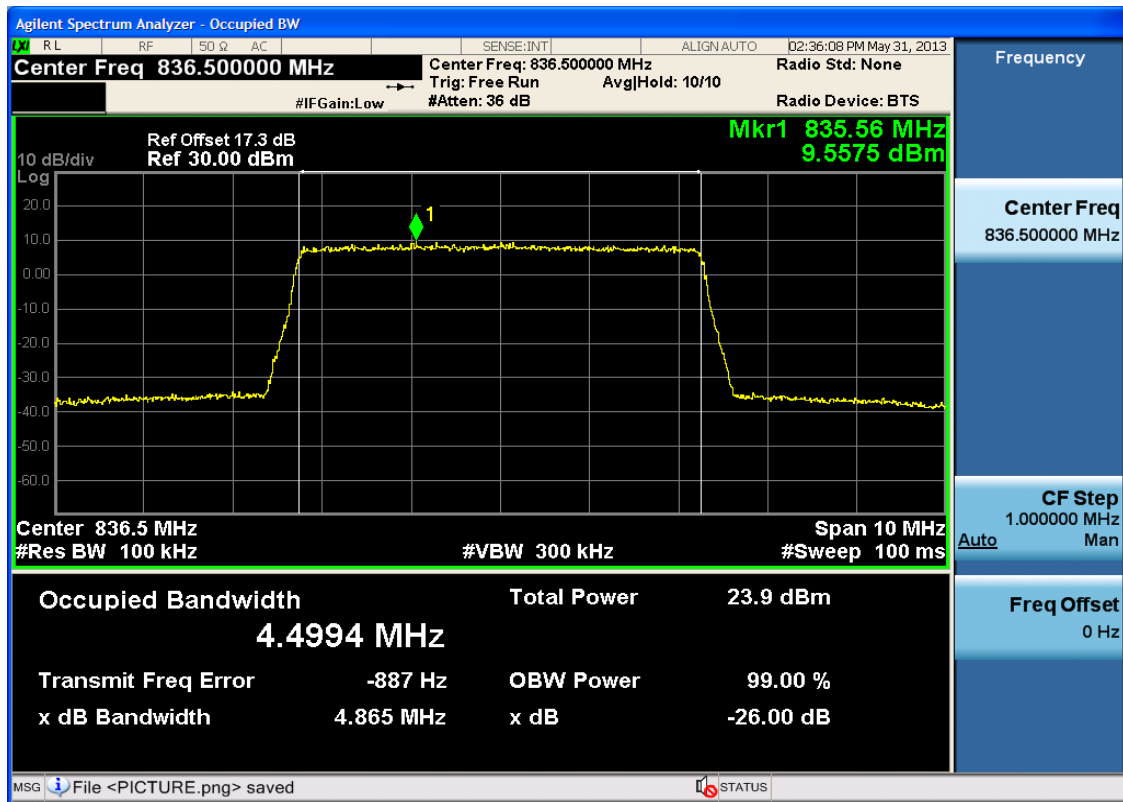
4.3.1.2.3.1 Test Channel = LCH

4.3.1.2.3.1.1 Test RB = RB25#0



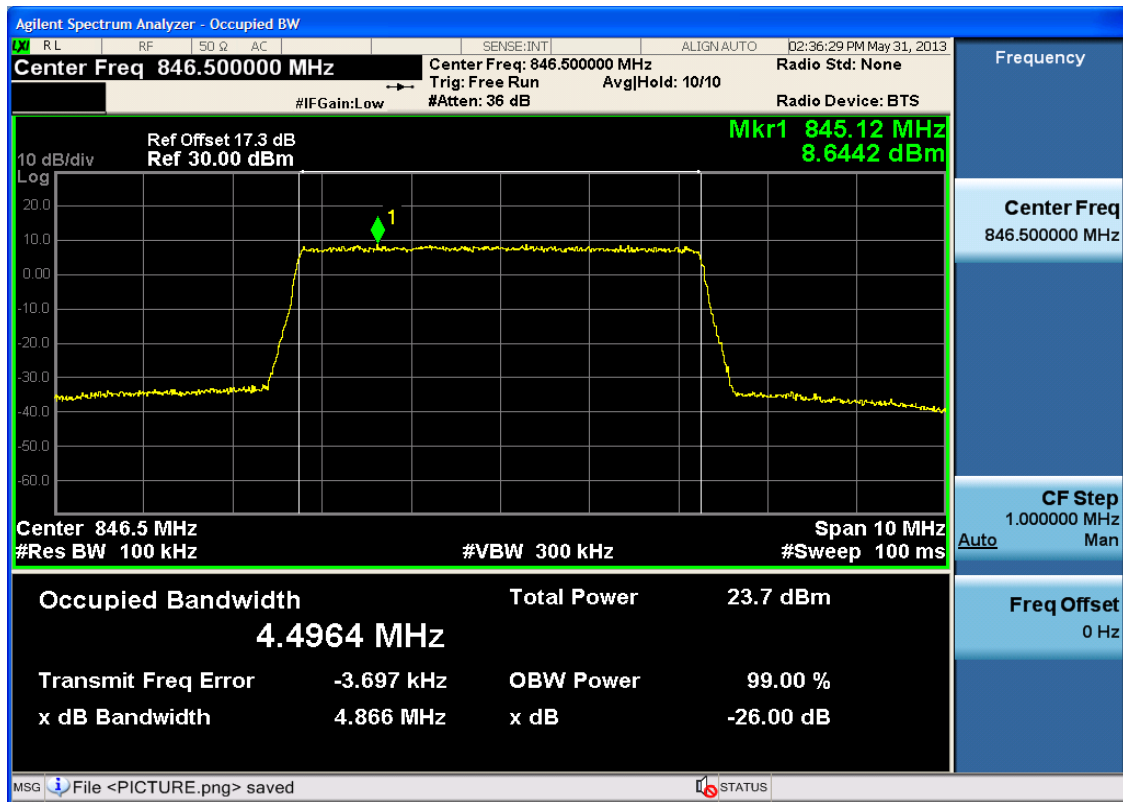
4.3.1.2.3.2 Test Channel = MCH

4.3.1.2.3.2.1 Test RB = RB25#0



4.3.1.2.3.3 Test Channel = HCH

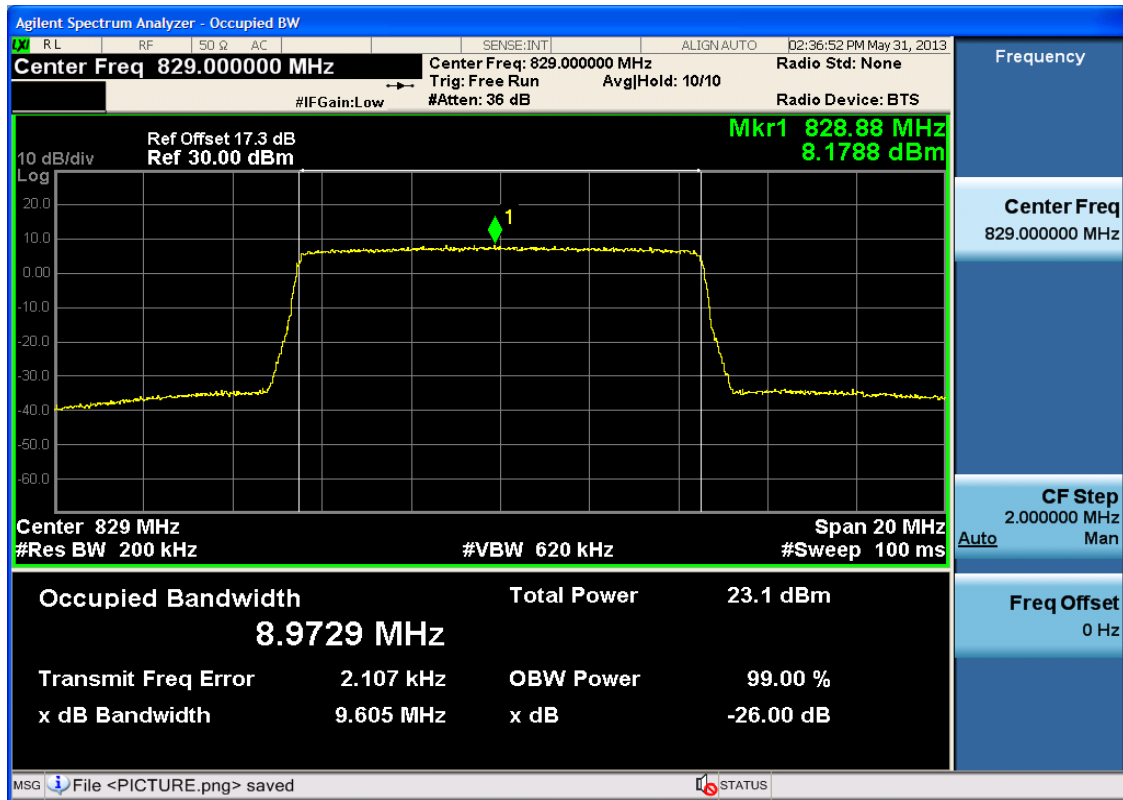
4.3.1.2.3.3.1 Test RB = RB25#0



4.3.1.2.4 Test Bandwidth = 10

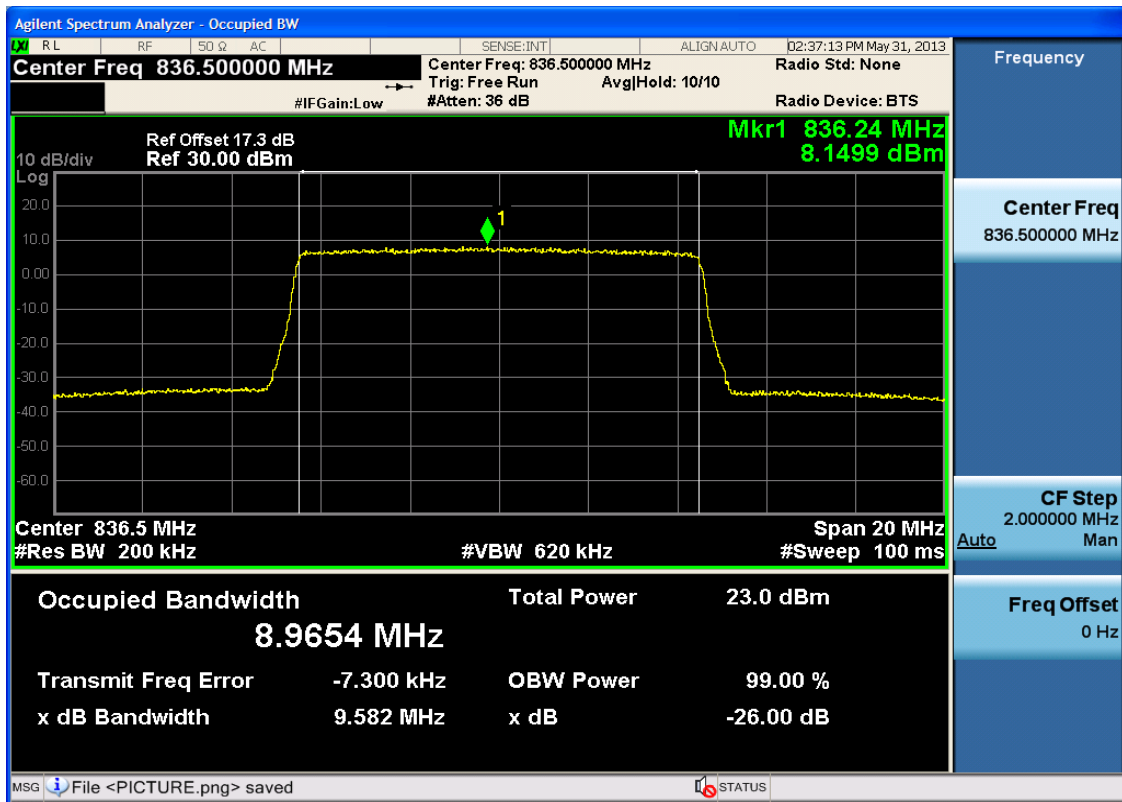
4.3.1.2.4.1 Test Channel = LCH

4.3.1.2.4.1.1 Test RB = RB50#0



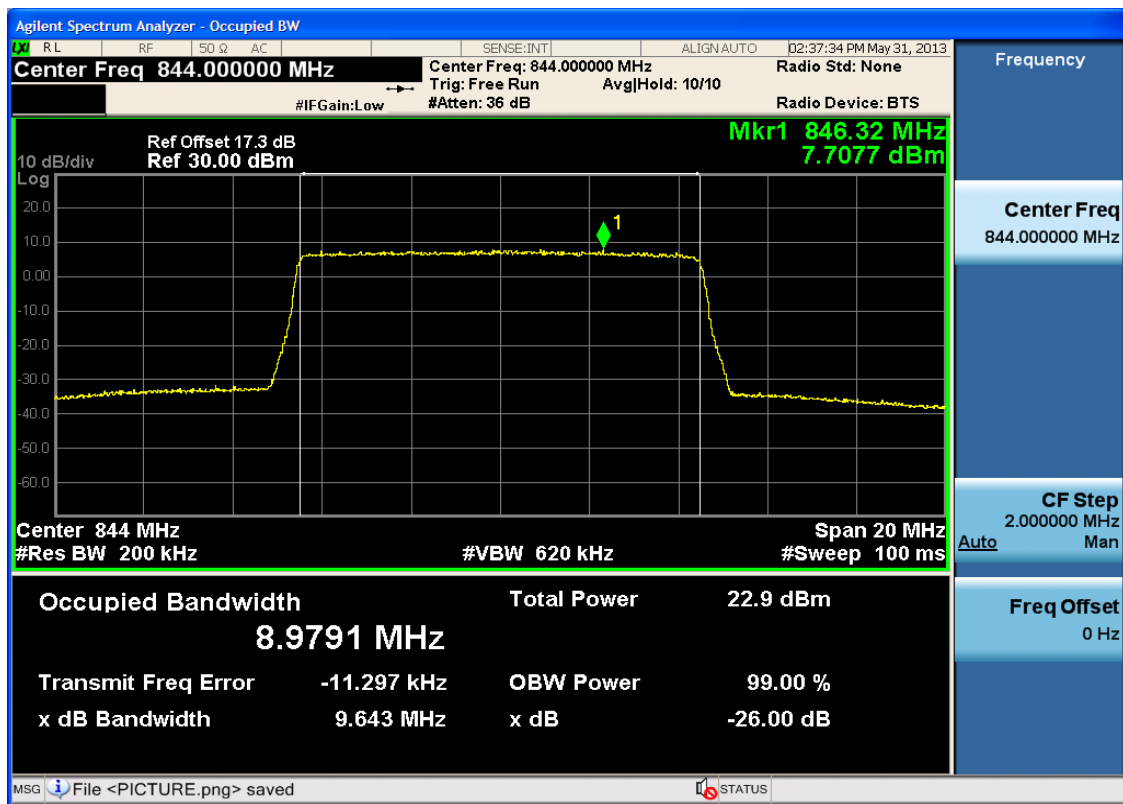
4.3.1.2.4.2 Test Channel = MCH

4.3.1.2.4.2.1 Test RB = RB50#0



4.3.1.2.4.3 Test Channel = HCH

4.3.1.2.4.3.1 Test RB = RB50#0



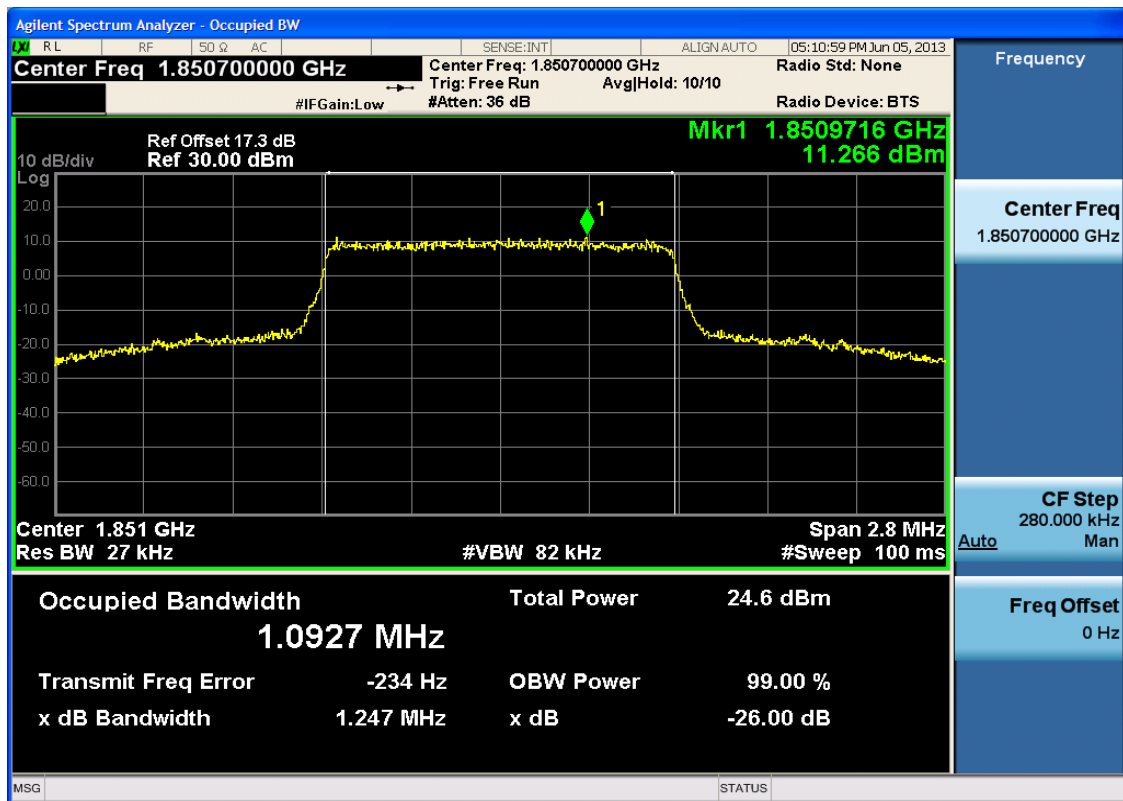
4.3.2 Test Band = BAND2

4.3.2.1 Test Mode = LTE/TM1

4.3.2.1.1 Test Bandwidth = 1.4

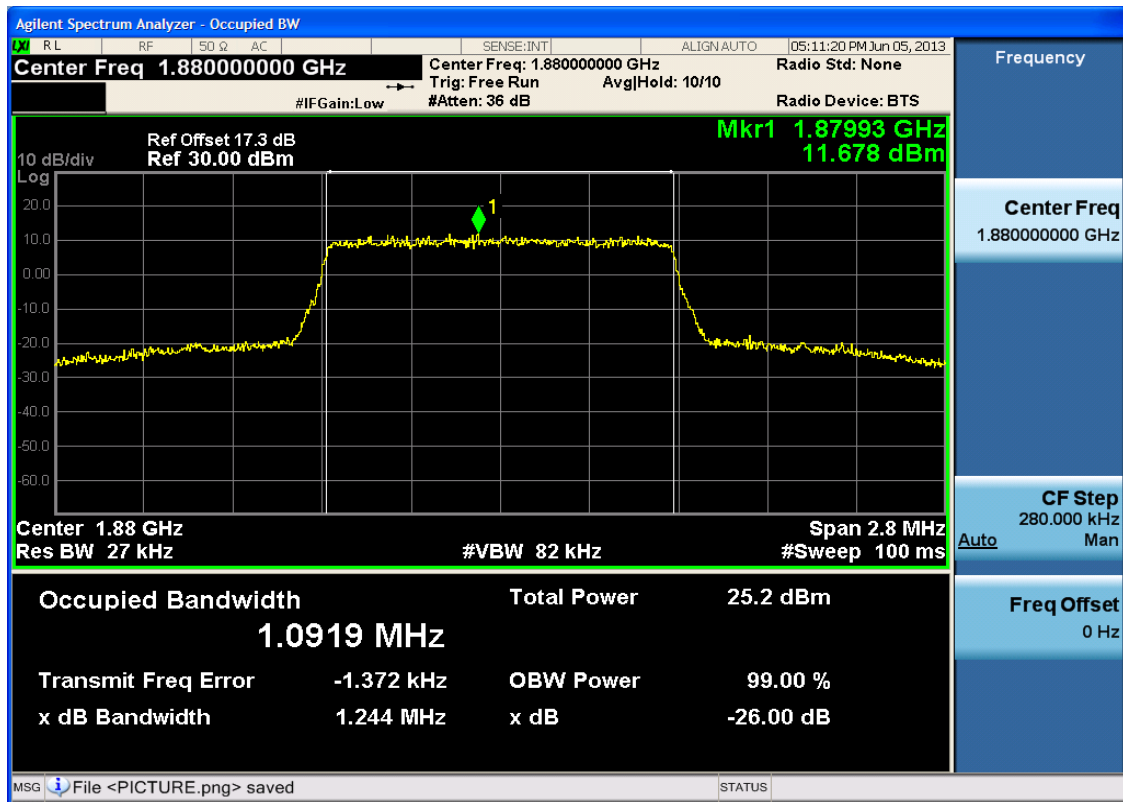
4.3.2.1.1.1 Test Channel = LCH

4.3.2.1.1.1.1 Test RB = RB6#0



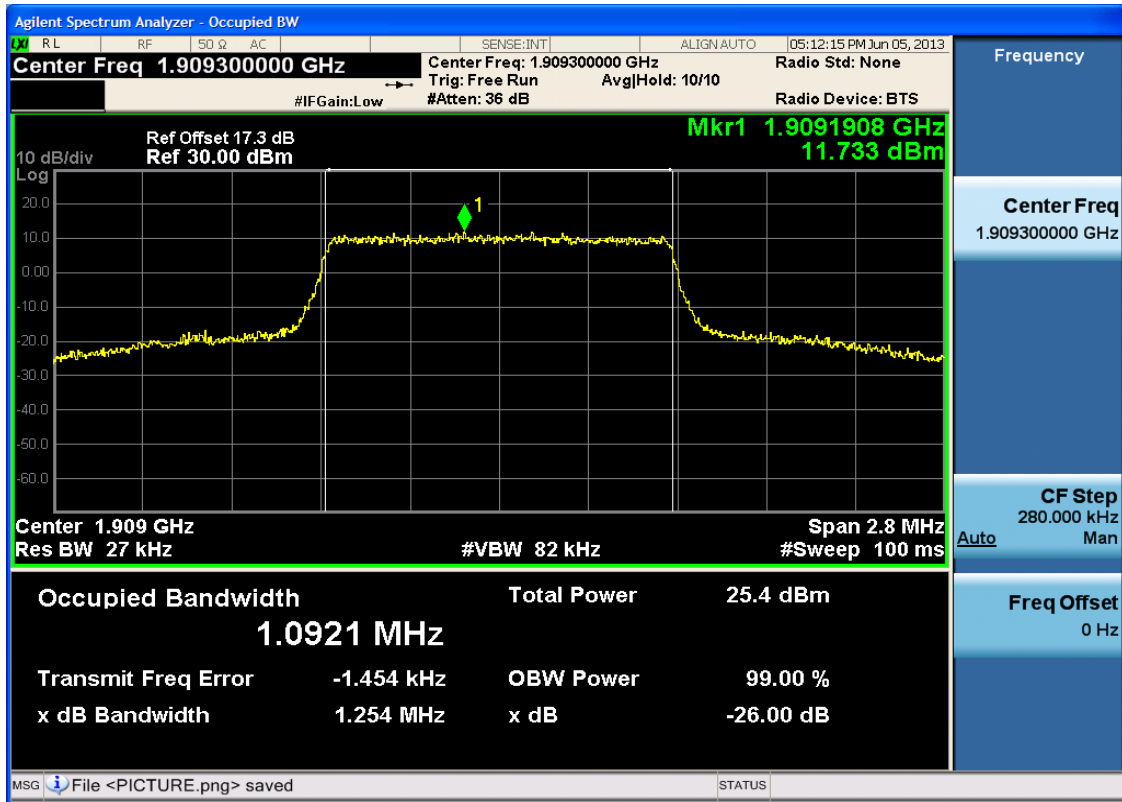
4.3.2.1.1.2 Test Channel = MCH

4.3.2.1.1.2.1 Test RB = RB6#0



4.3.2.1.1.3 Test Channel = HCH

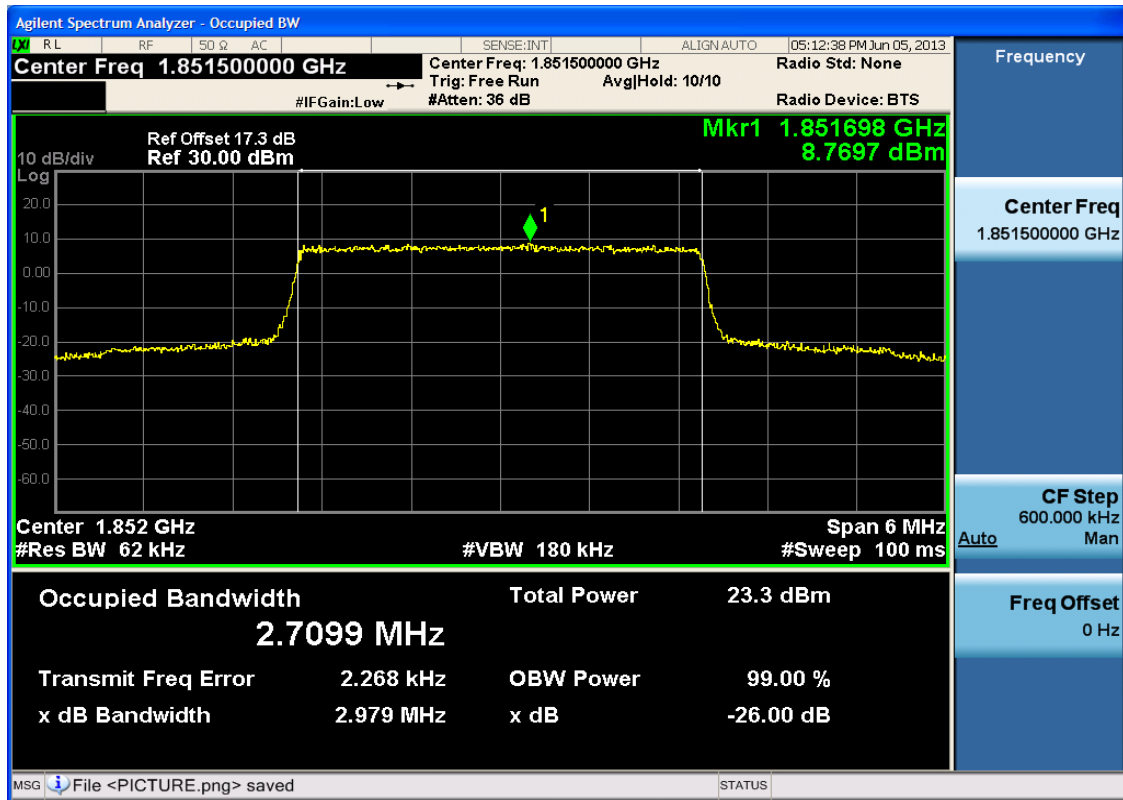
4.3.2.1.1.3.1 Test RB = RB6#0



4.3.2.1.2 Test Bandwidth = 3

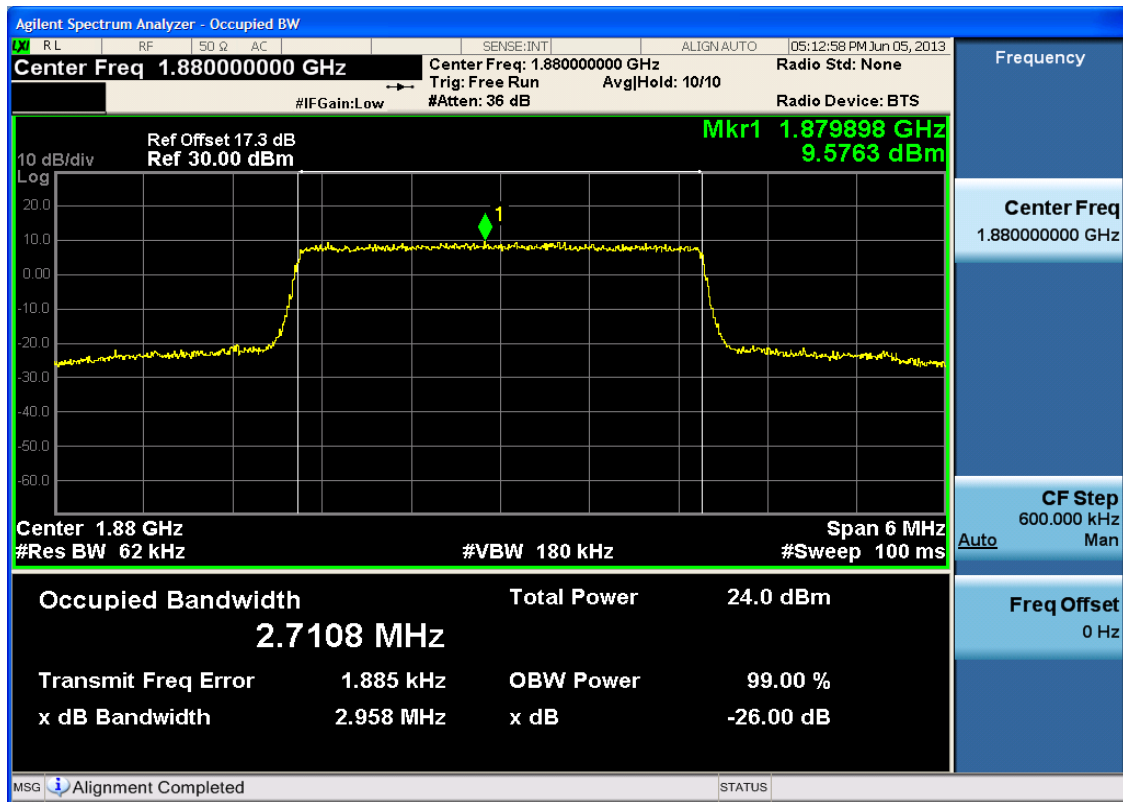
4.3.2.1.2.1 Test Channel = LCH

4.3.2.1.2.1.1 Test RB = RB15#0



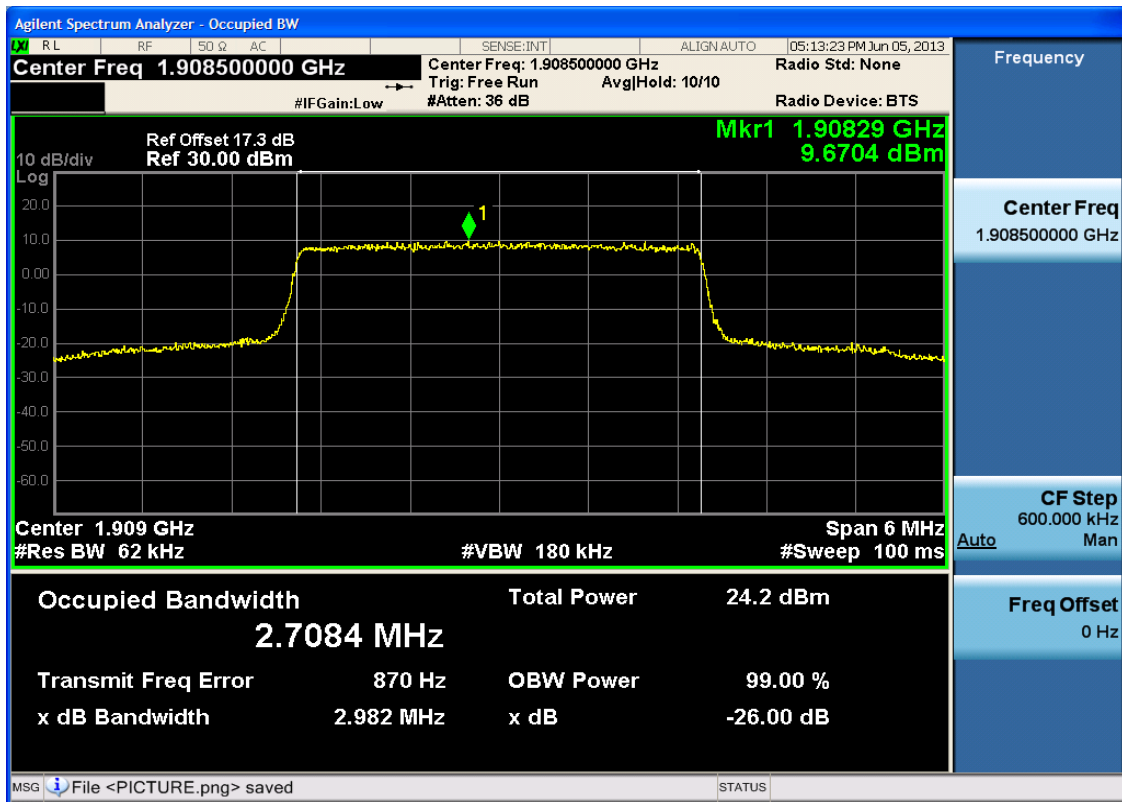
4.3.2.1.2.2 Test Channel = MCH

4.3.2.1.2.2.1 Test RB = RB15#0



4.3.2.1.2.3 Test Channel = HCH

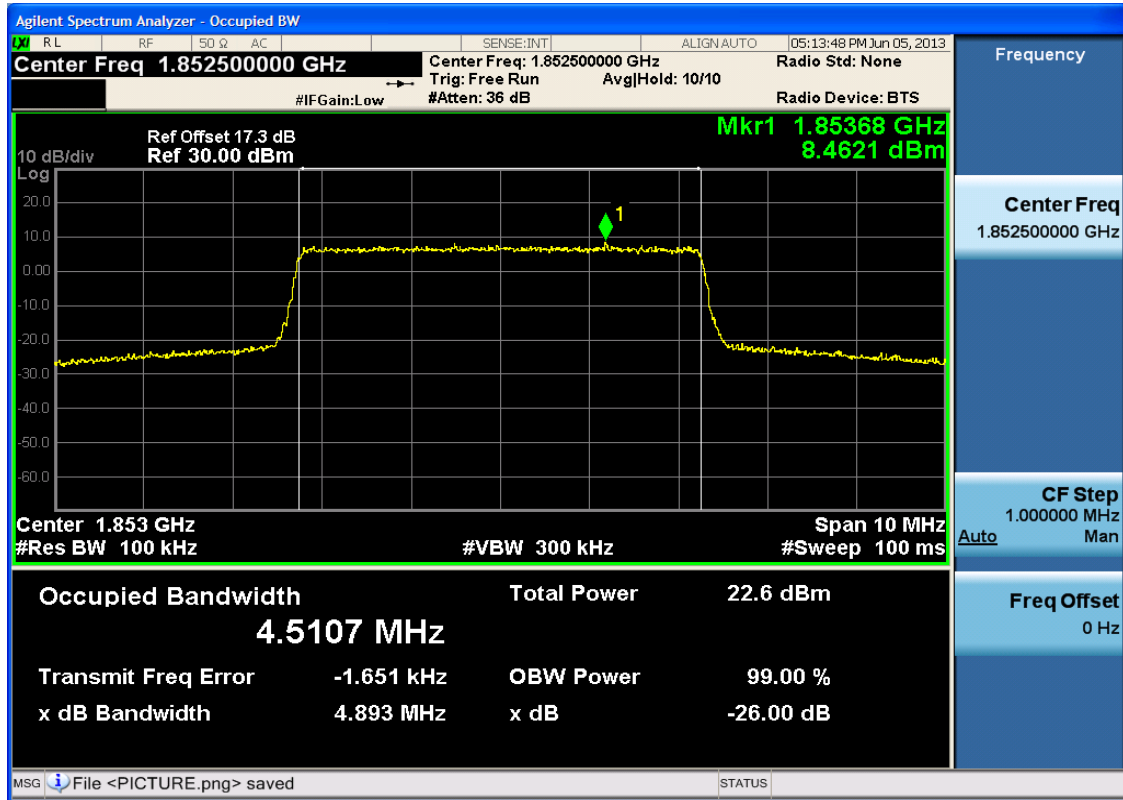
4.3.2.1.2.3.1 Test RB = RB15#0



4.3.2.1.3 Test Bandwidth = 5

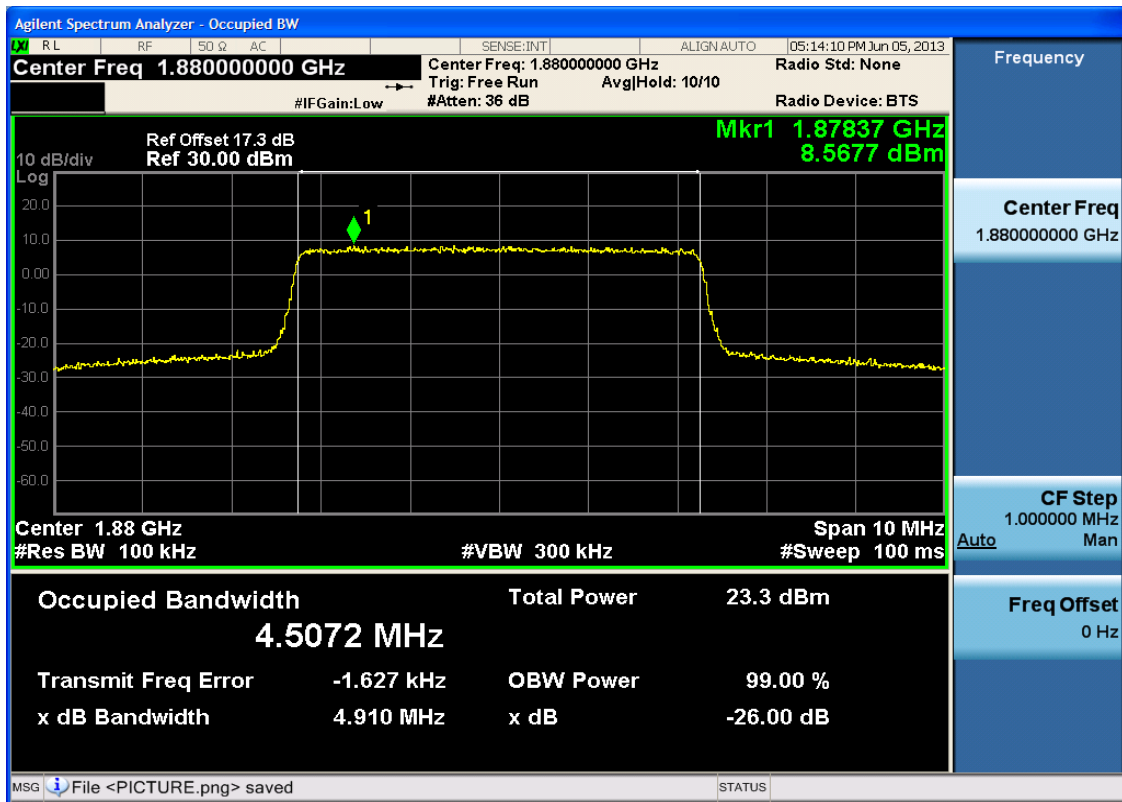
4.3.2.1.3.1 Test Channel = LCH

4.3.2.1.3.1.1 Test RB = RB25#0



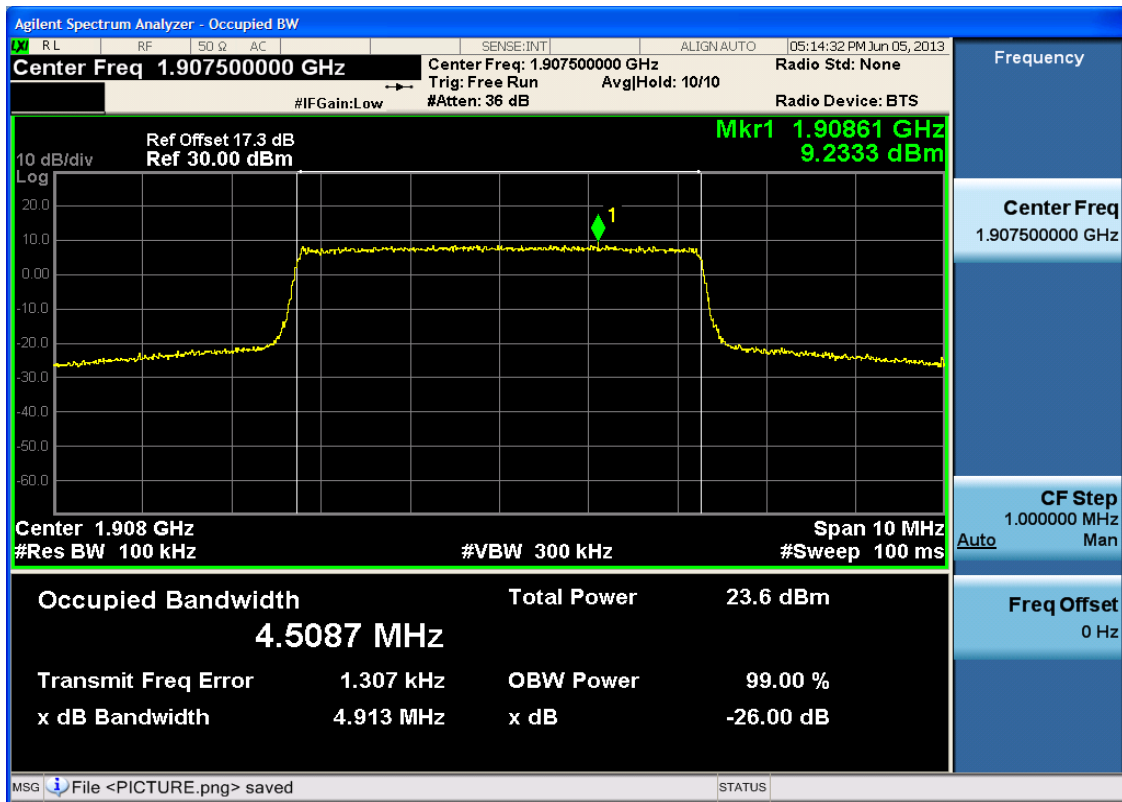
4.3.2.1.3.2 Test Channel = MCH

4.3.2.1.3.2.1 Test RB = RB25#0



4.3.2.1.3.3 Test Channel = HCH

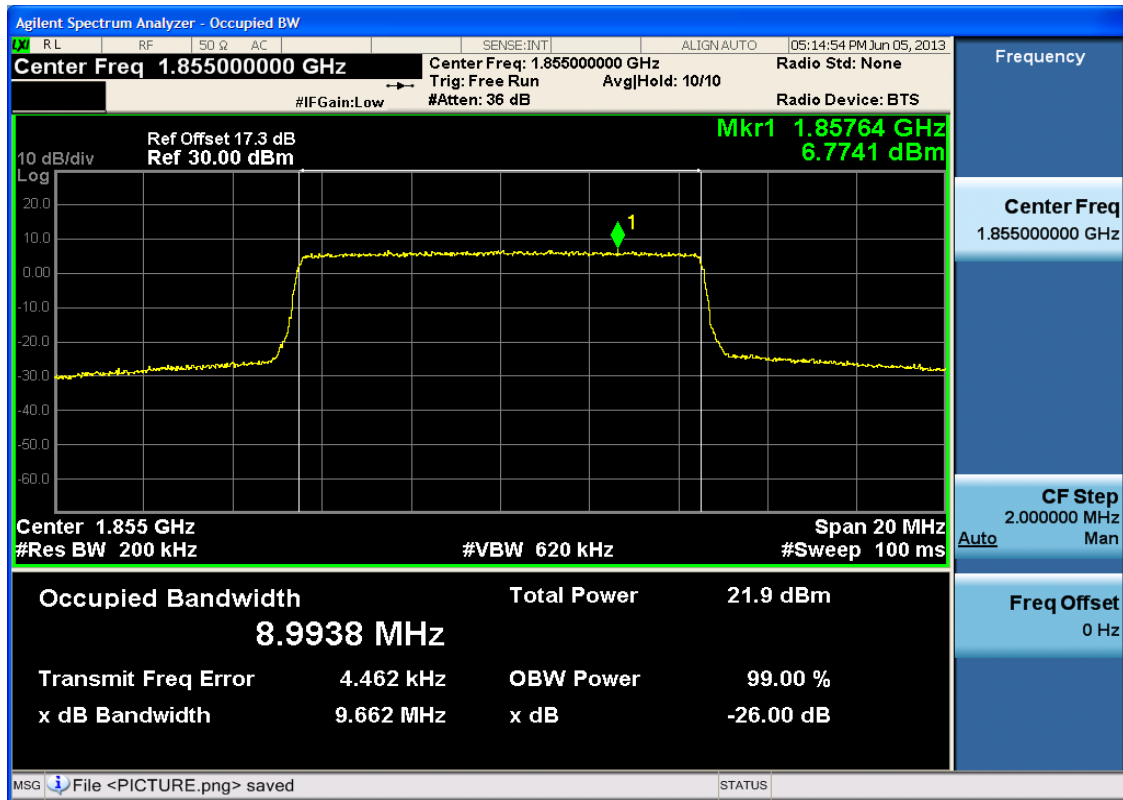
4.3.2.1.3.3.1 Test RB = RB25#0



4.3.2.1.4 Test Bandwidth = 10

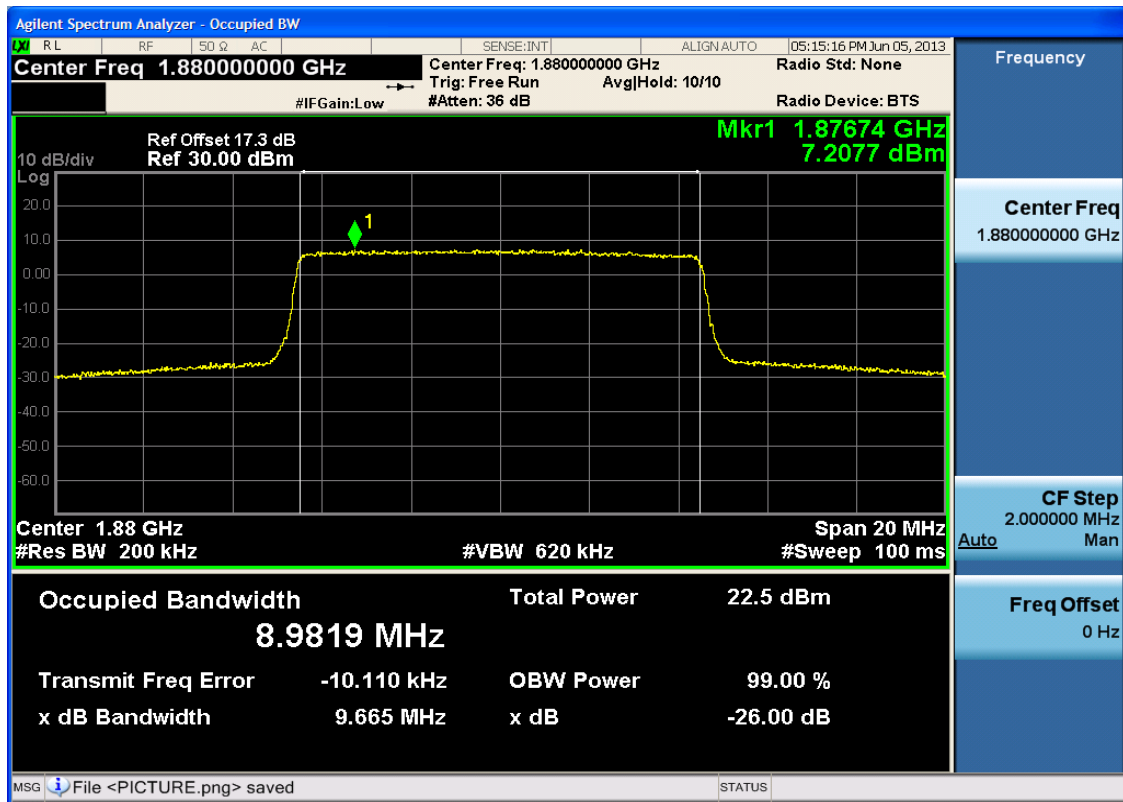
4.3.2.1.4.1 Test Channel = LCH

4.3.2.1.4.1.1 Test RB = RB50#0



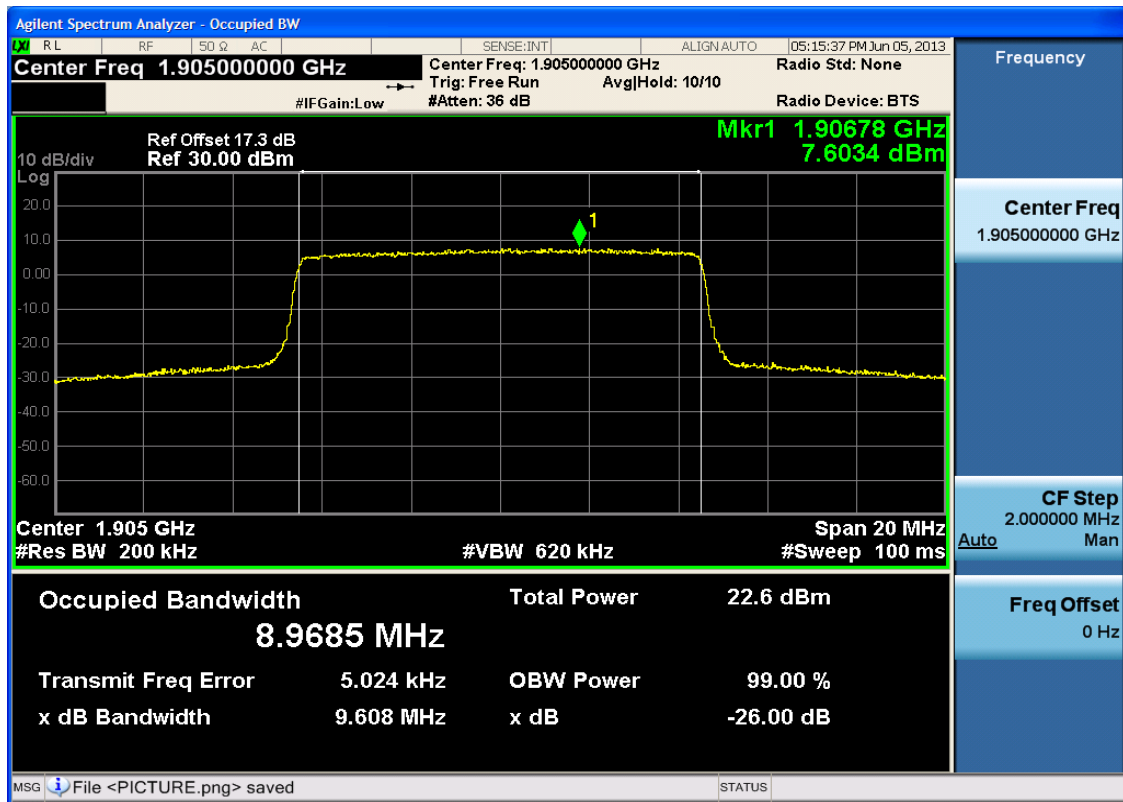
4.3.2.1.4.2 Test Channel = MCH

4.3.2.1.4.2.1 Test RB = RB50#0



4.3.2.1.4.3 Test Channel = HCH

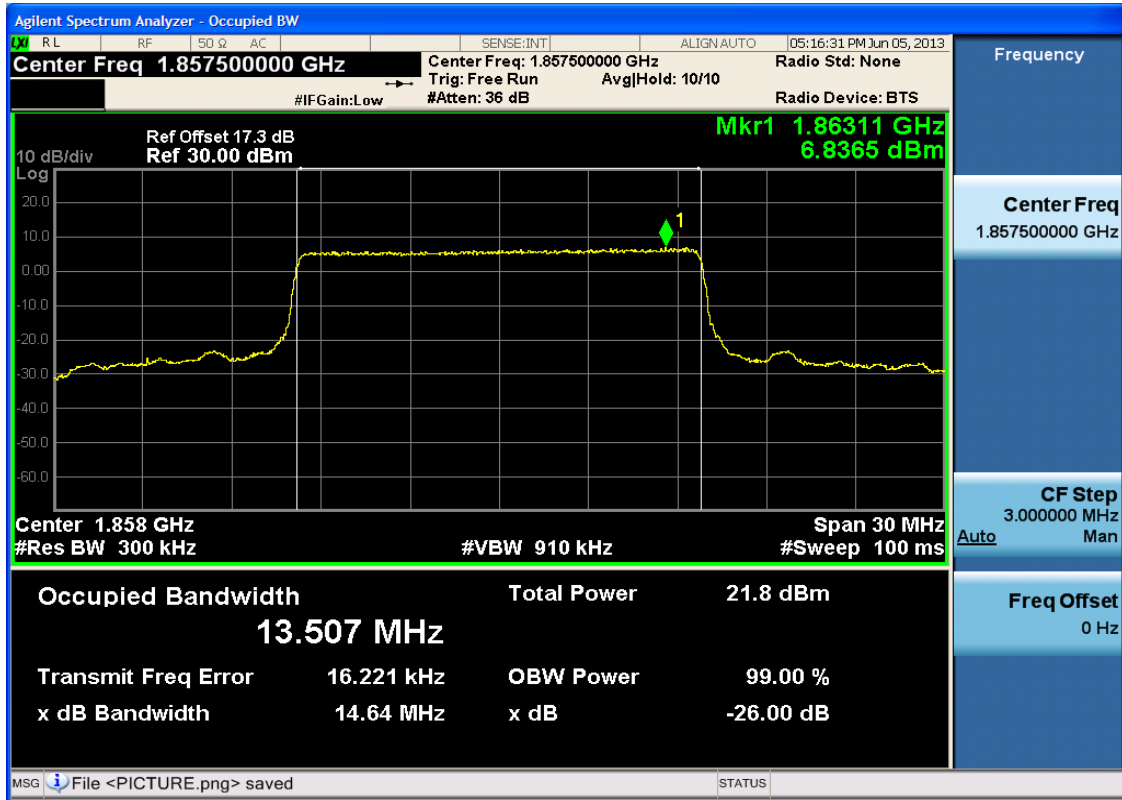
4.3.2.1.4.3.1 Test RB = RB50#0



4.3.2.1.5 Test Bandwidth = 15

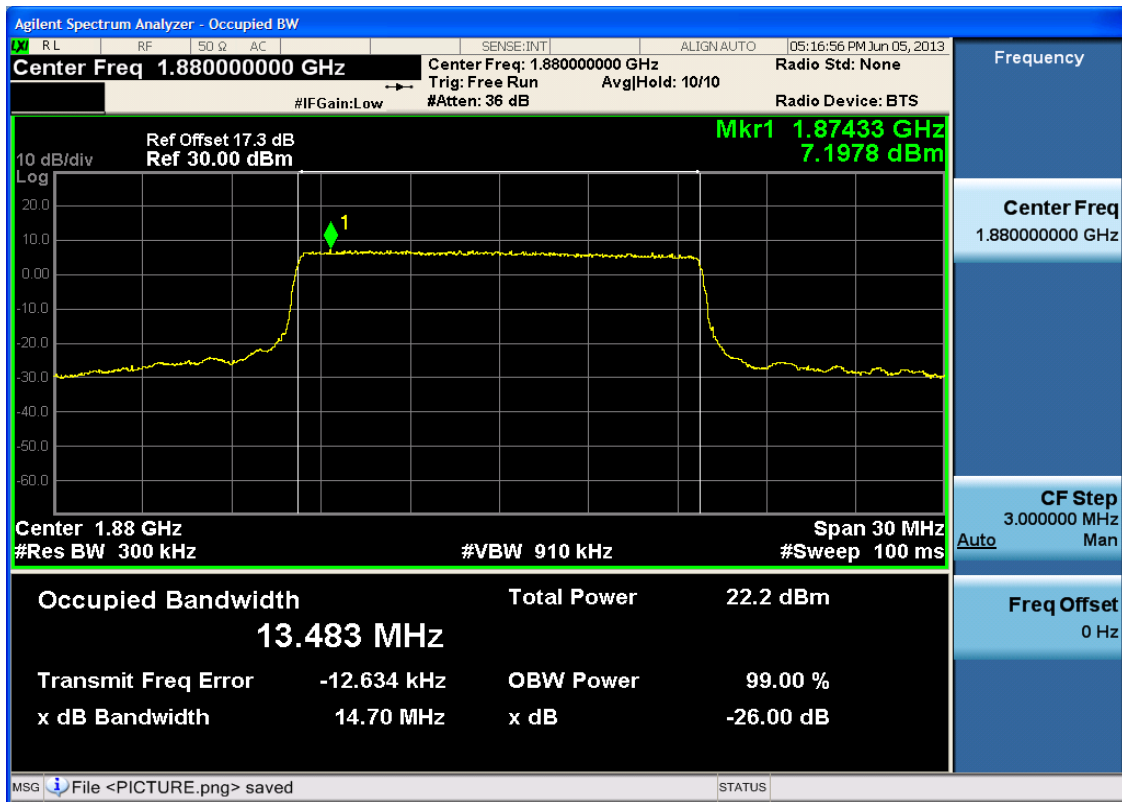
4.3.2.1.5.1 Test Channel = LCH

4.3.2.1.5.1.1 Test RB = RB75#0



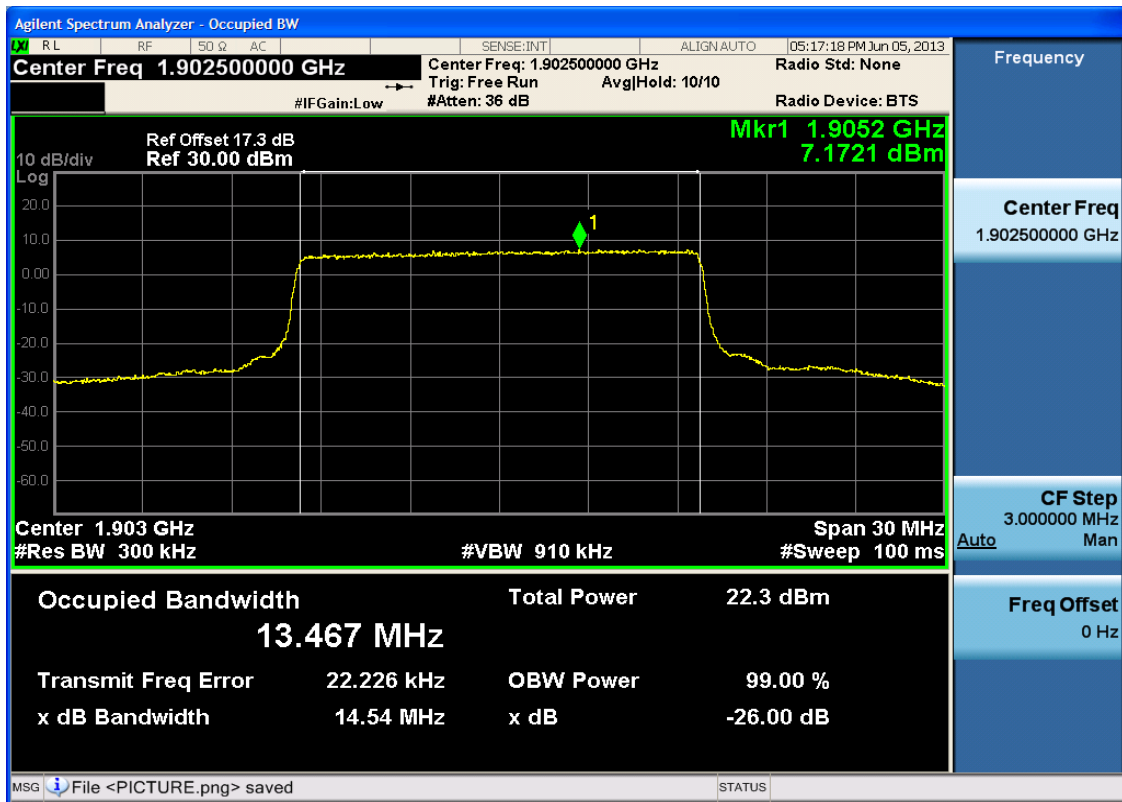
4.3.2.1.5.2 Test Channel = MCH

4.3.2.1.5.2.1 Test RB = RB75#0



4.3.2.1.5.3 Test Channel = HCH

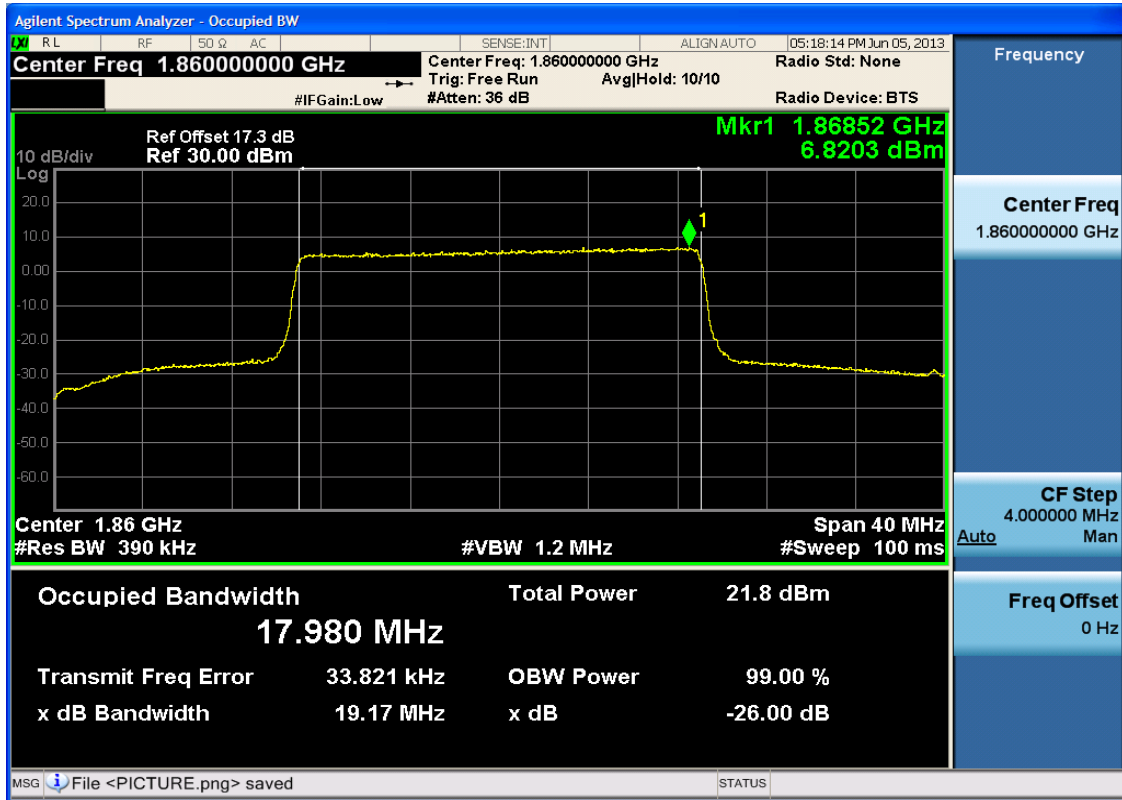
4.3.2.1.5.3.1 Test RB = RB75#0



4.3.2.1.6 Test Bandwidth = 20

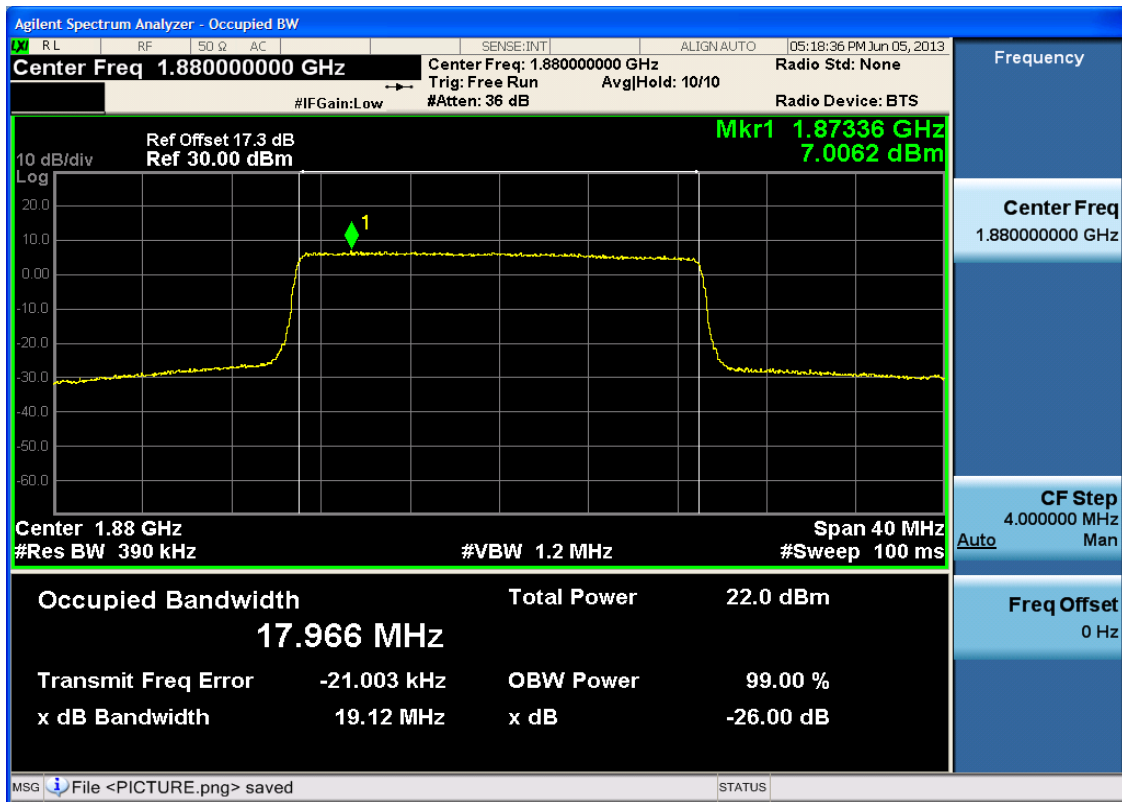
4.3.2.1.6.1 Test Channel = LCH

4.3.2.1.6.1.1 Test RB = RB100#0



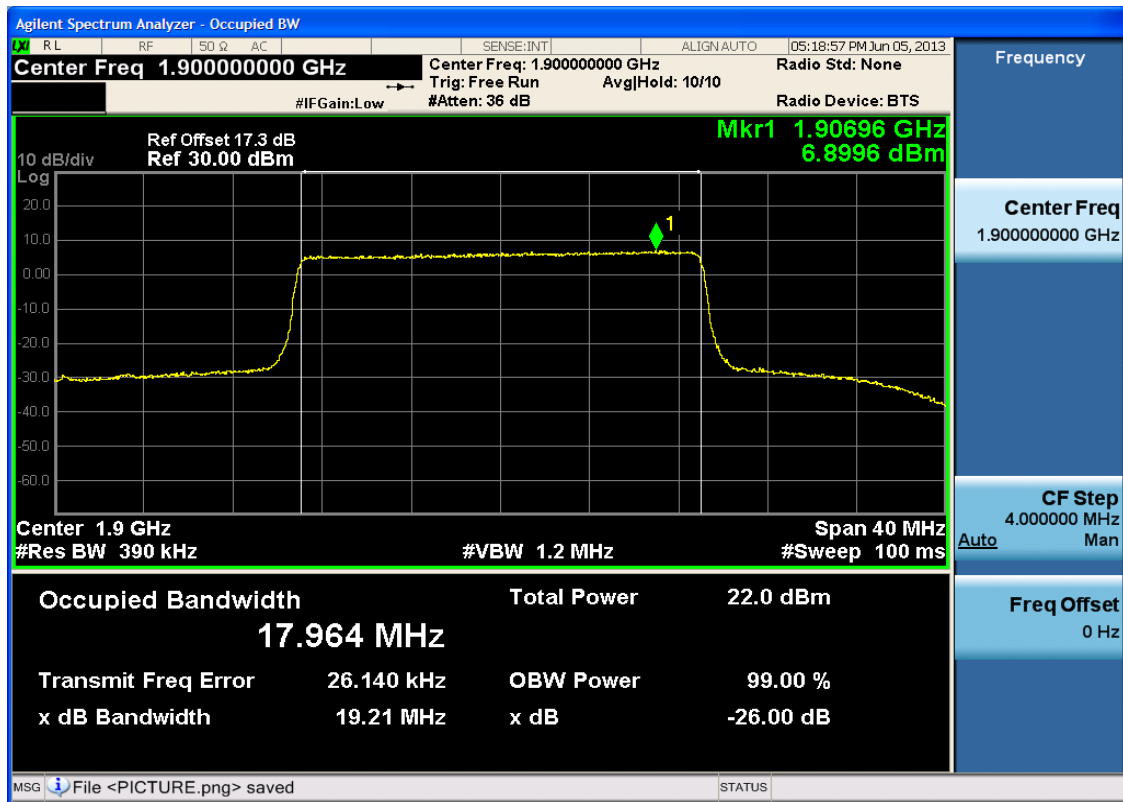
4.3.2.1.6.2 Test Channel = MCH

4.3.2.1.6.2.1 Test RB = RB100#0



4.3.2.1.6.3 Test Channel = HCH

4.3.2.1.6.3.1 Test RB = RB100#0

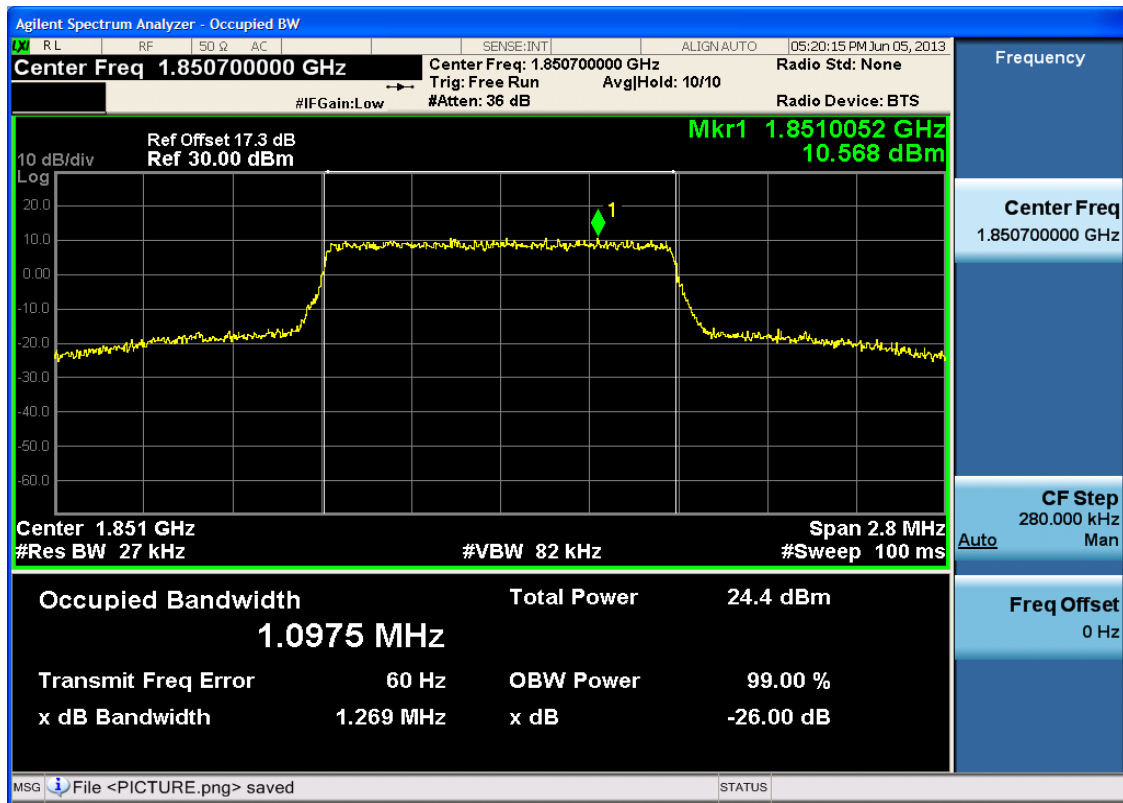


4.3.2.2 Test Mode = LTE/TM2

4.3.2.2.1 Test Bandwidth = 1.4

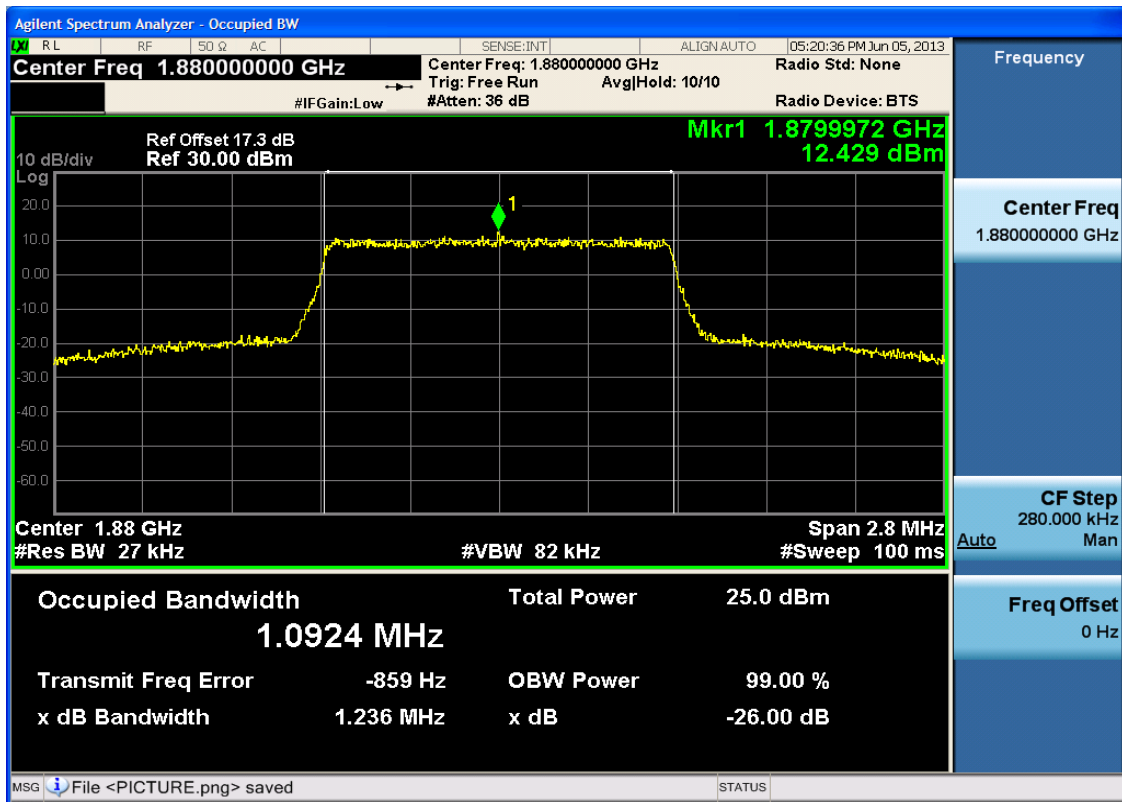
4.3.2.2.1.1 Test Channel = LCH

4.3.2.2.1.1.1 Test RB = RB6#0



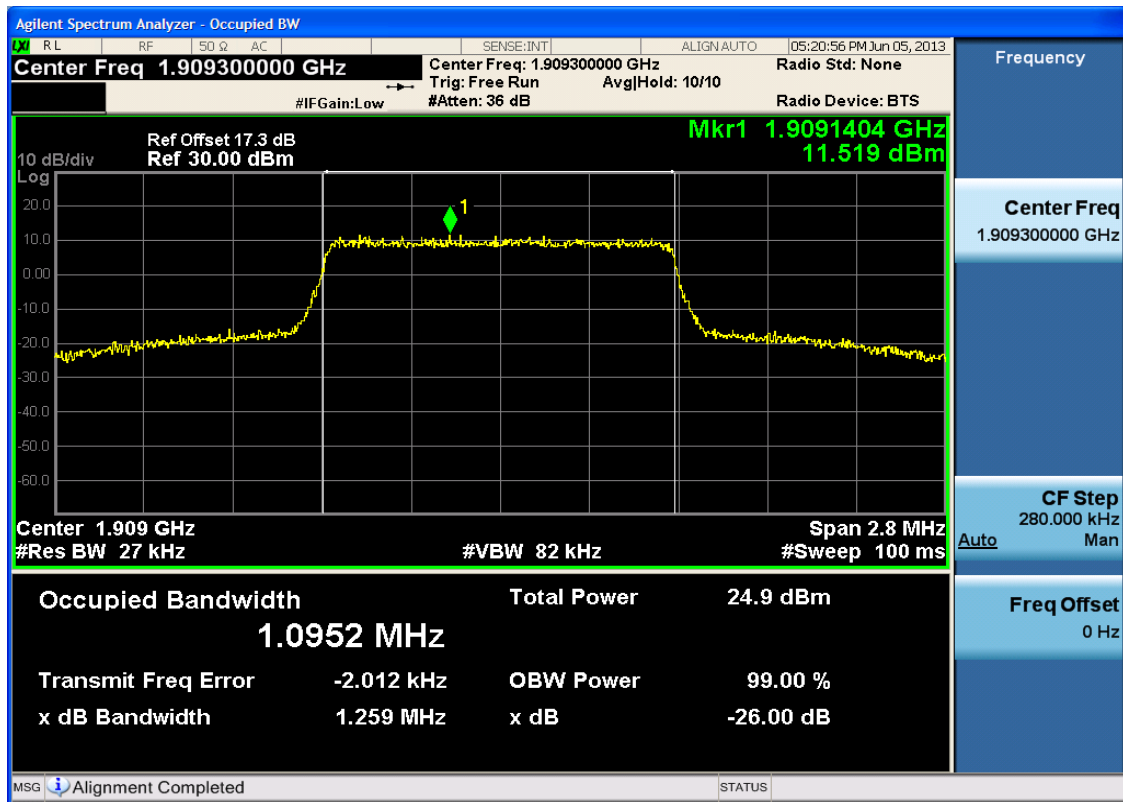
4.3.2.2.1.2 Test Channel = MCH

4.3.2.2.1.2.1 Test RB = RB6#0



4.3.2.2.1.3 Test Channel = HCH

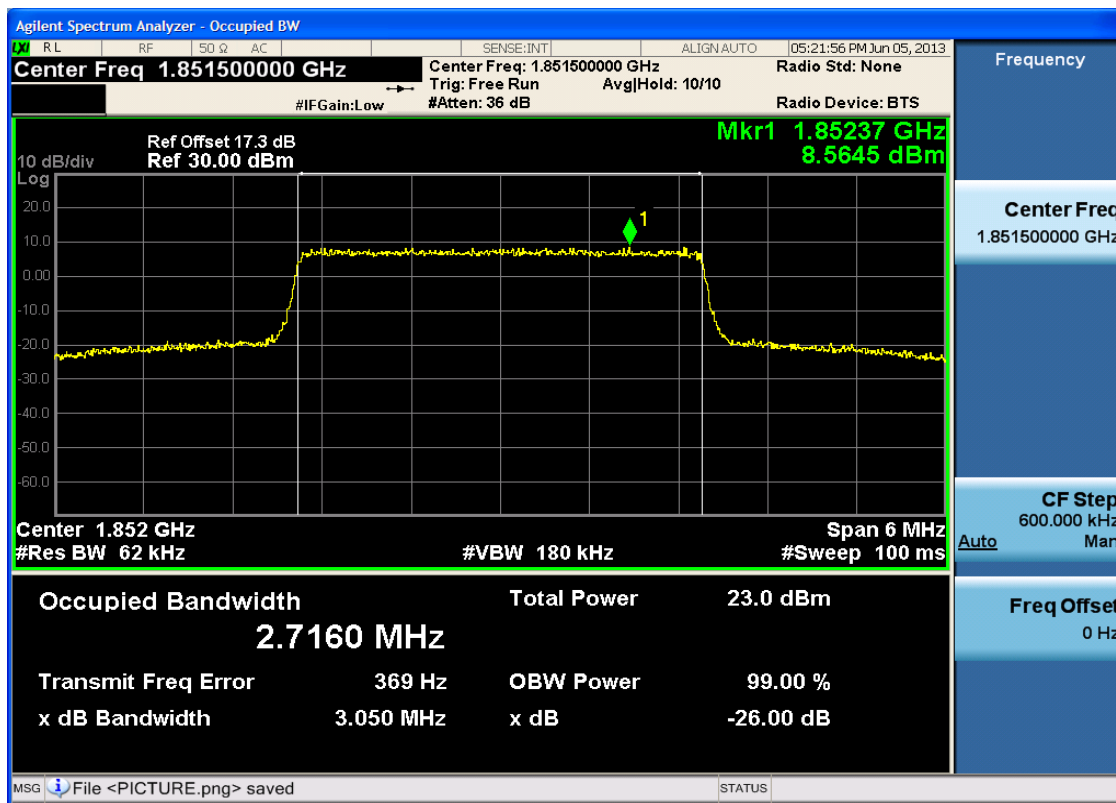
4.3.2.2.1.3.1 Test RB = RB6#0



4.3.2.2.2 Test Bandwidth = 3

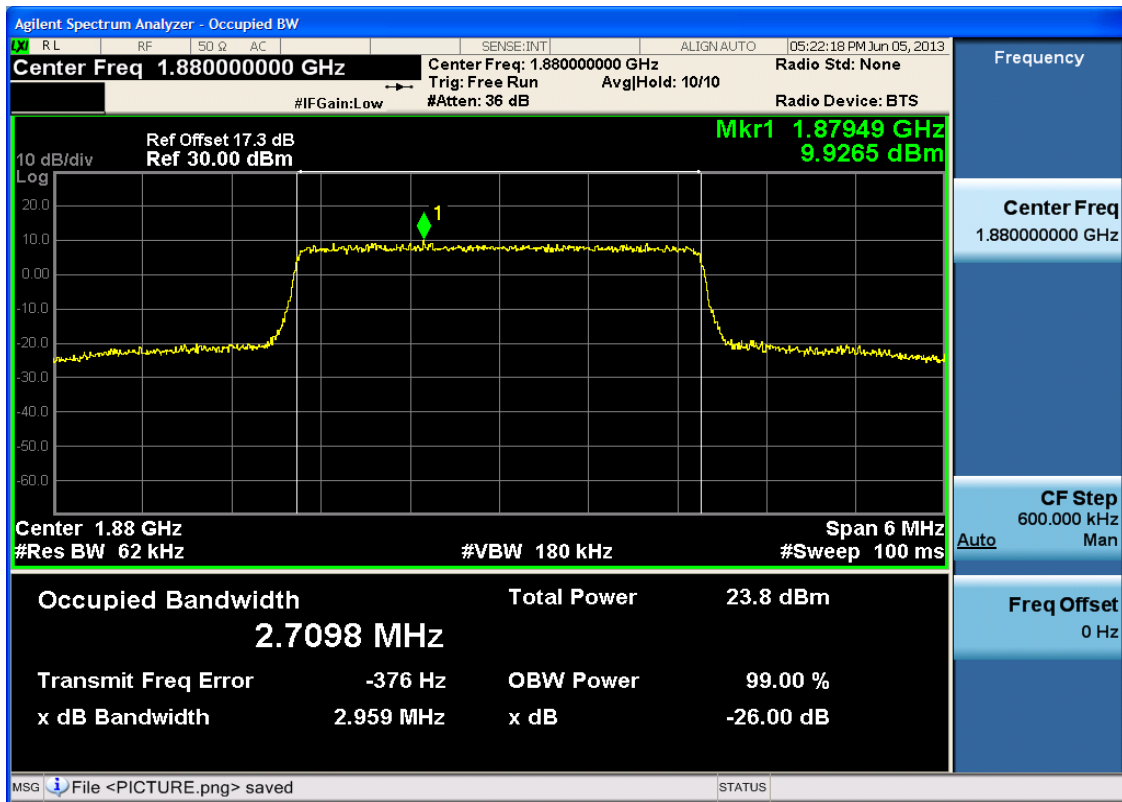
4.3.2.2.2.1 Test Channel = LCH

4.3.2.2.2.1.1 Test RB = RB15#0



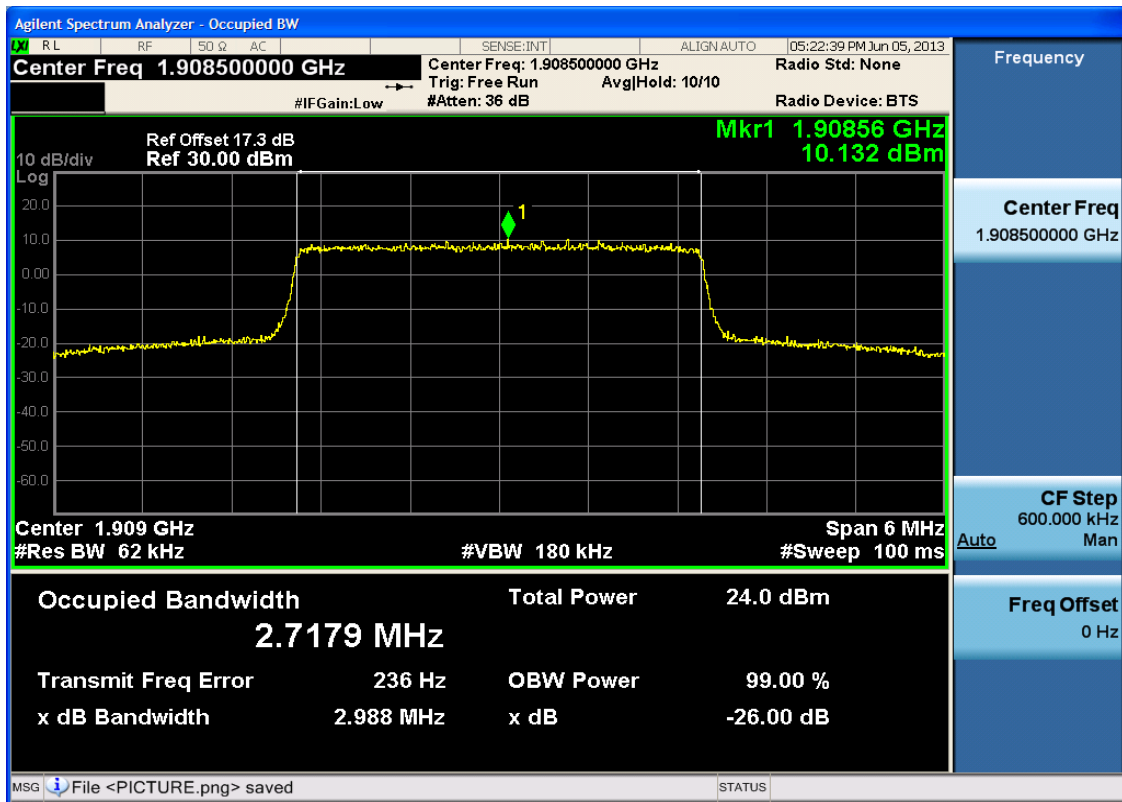
4.3.2.2.2 Test Channel = MCH

4.3.2.2.2.1 Test RB = RB15#0



4.3.2.2.2.3 Test Channel = HCH

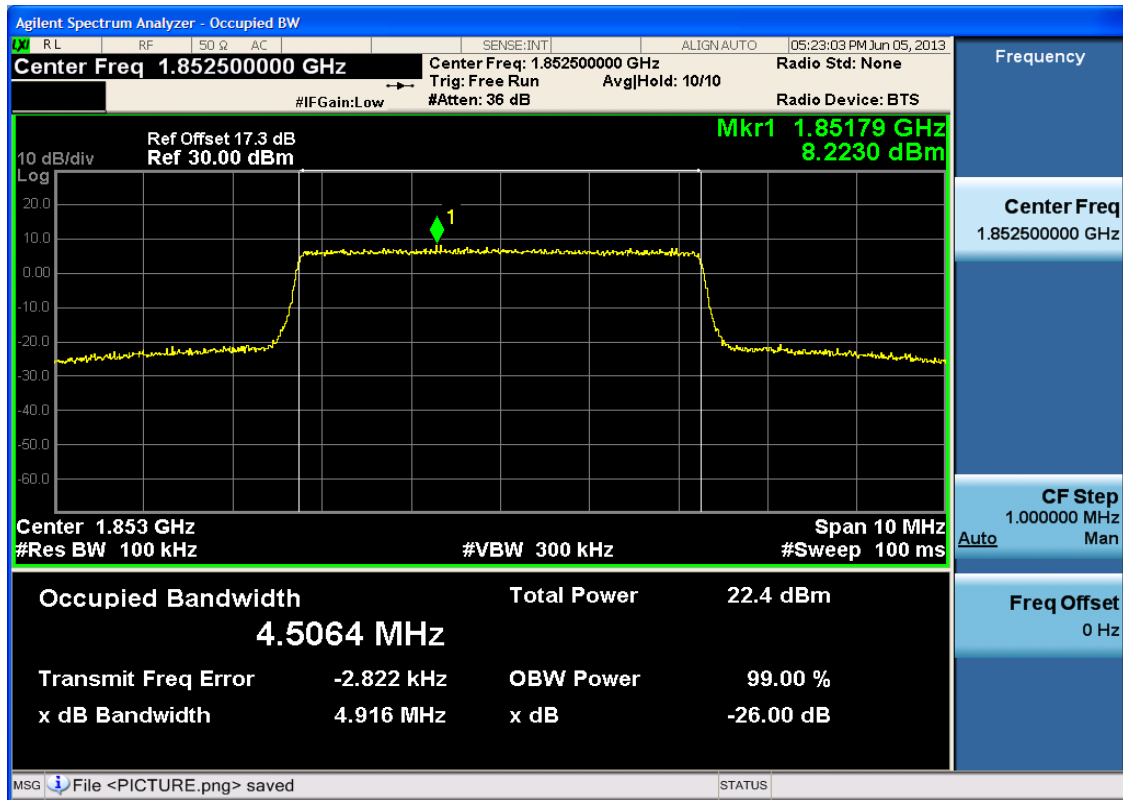
4.3.2.2.2.3.1 Test RB = RB15#0



4.3.2.2.3 Test Bandwidth = 5

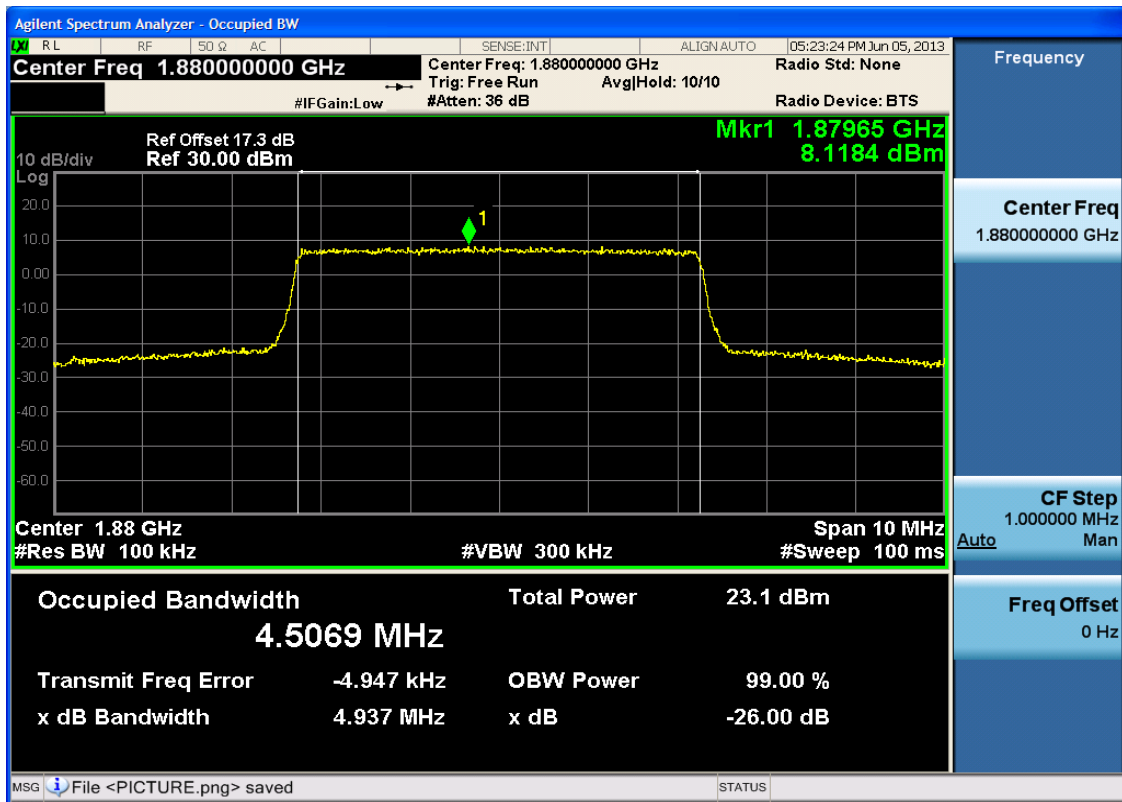
4.3.2.2.3.1 Test Channel = LCH

4.3.2.2.3.1.1 Test RB = RB25#0



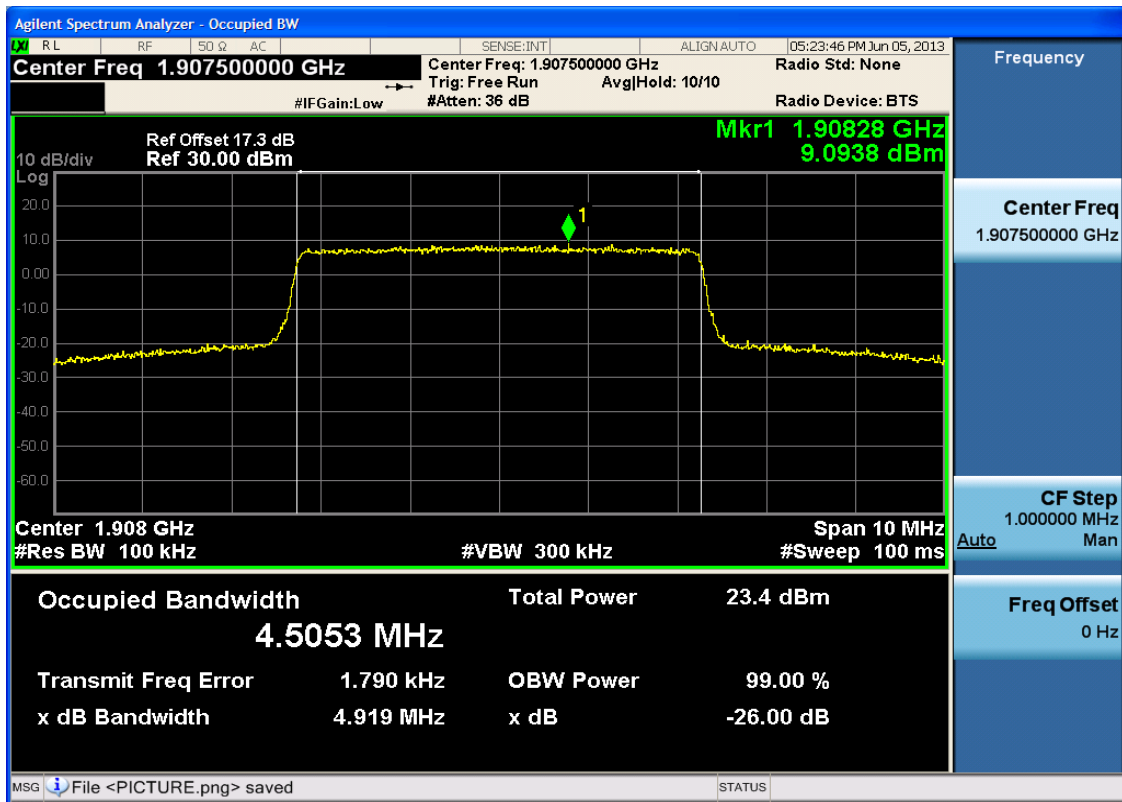
4.3.2.2.3.2 Test Channel = MCH

4.3.2.2.3.2.1 Test RB = RB25#0



4.3.2.2.3.3 Test Channel = HCH

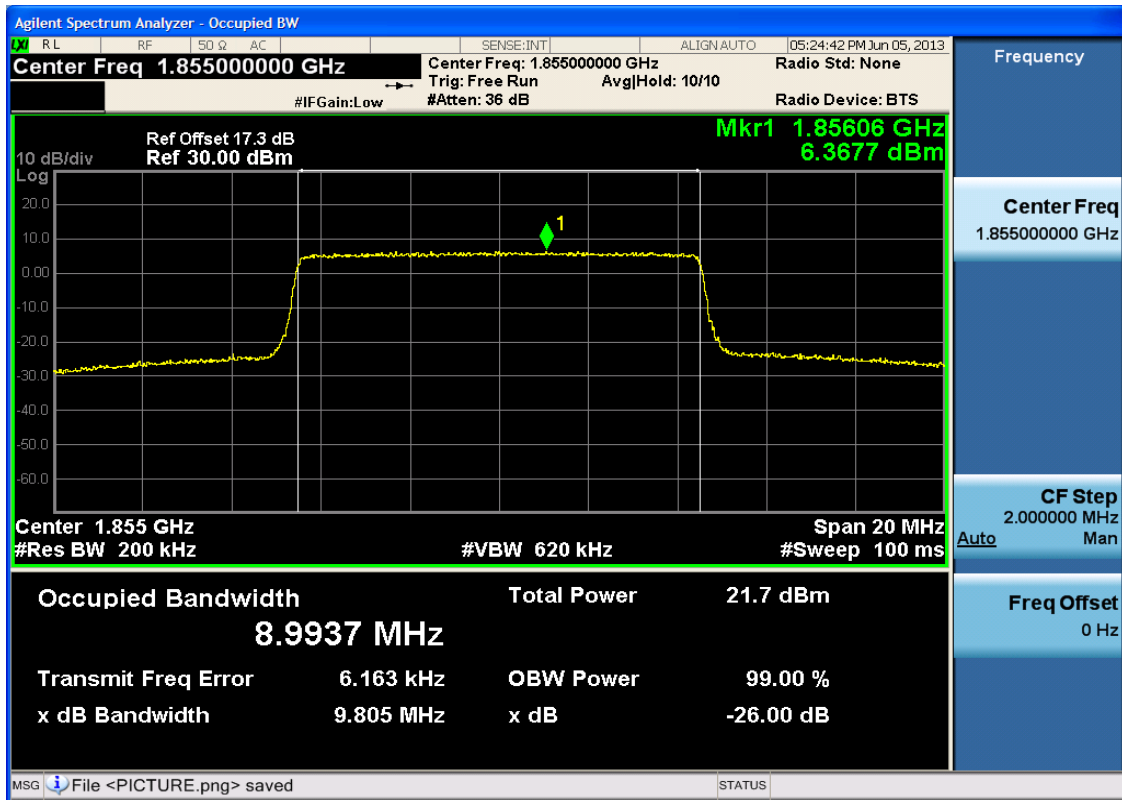
4.3.2.2.3.3.1 Test RB = RB25#0



4.3.2.2.4 Test Bandwidth = 10

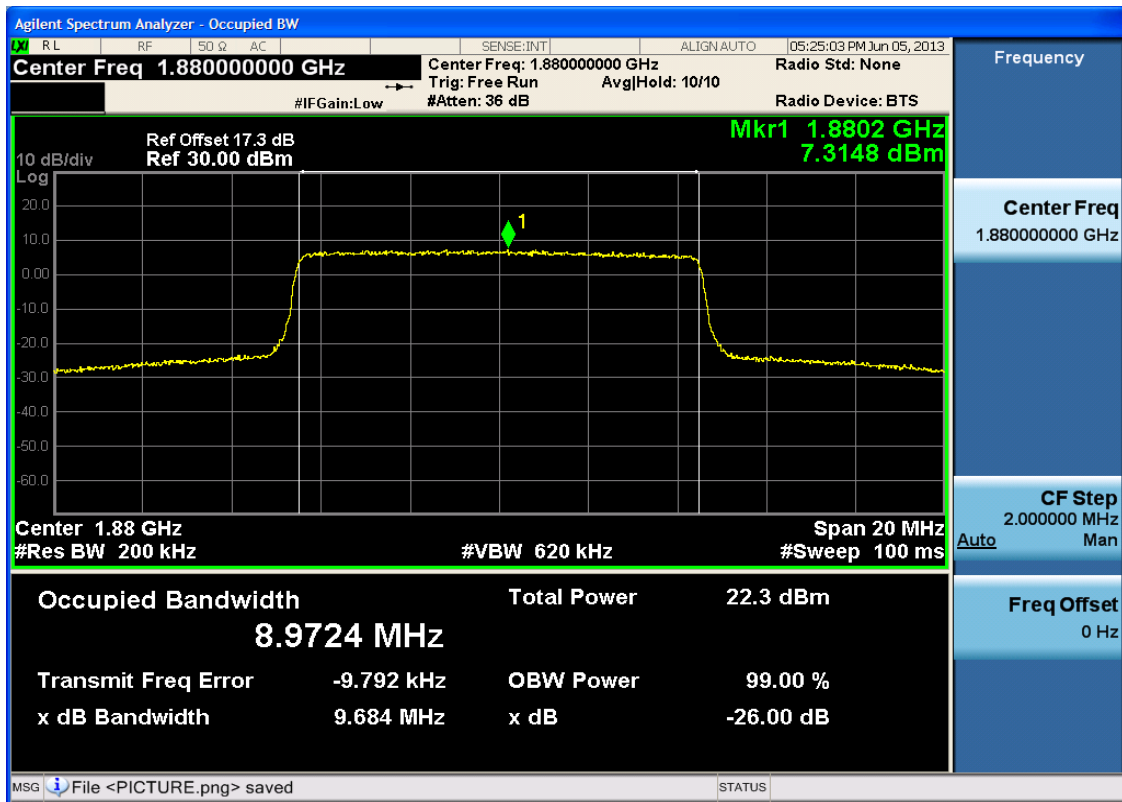
4.3.2.2.4.1 Test Channel = LCH

4.3.2.2.4.1.1 Test RB = RB50#0



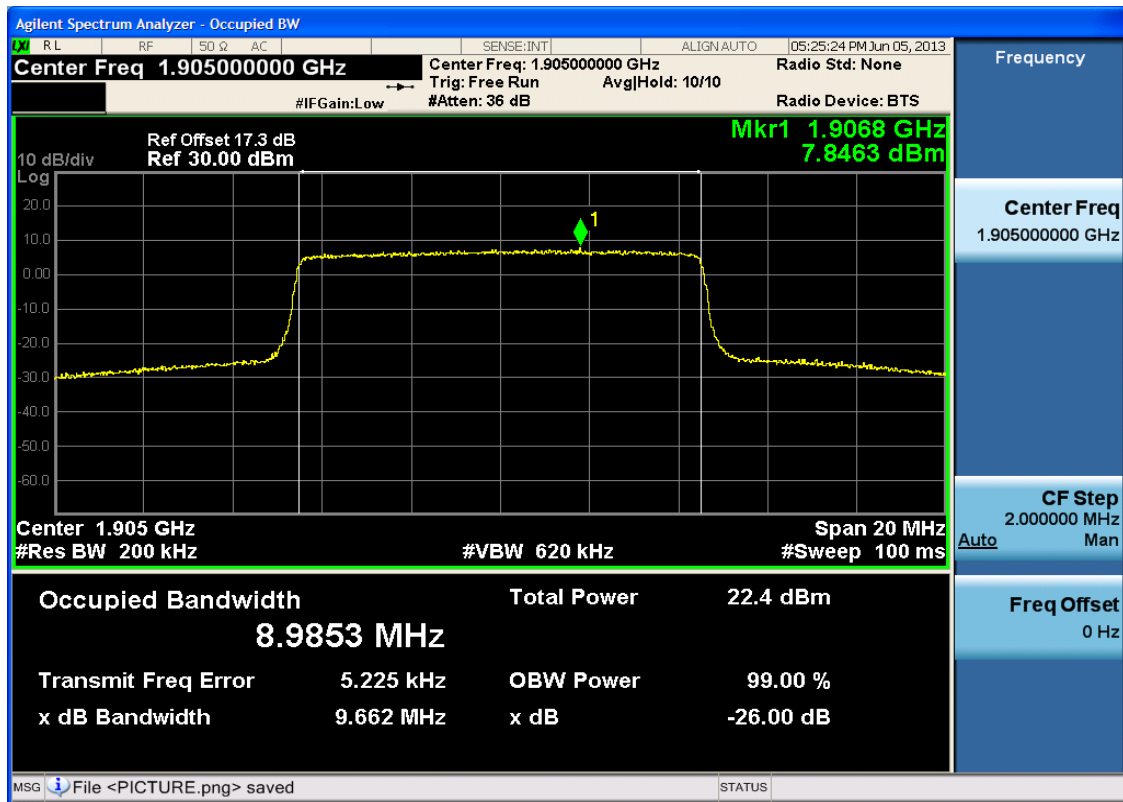
4.3.2.2.4.2 Test Channel = MCH

4.3.2.2.4.2.1 Test RB = RB50#0



4.3.2.2.4.3 Test Channel = HCH

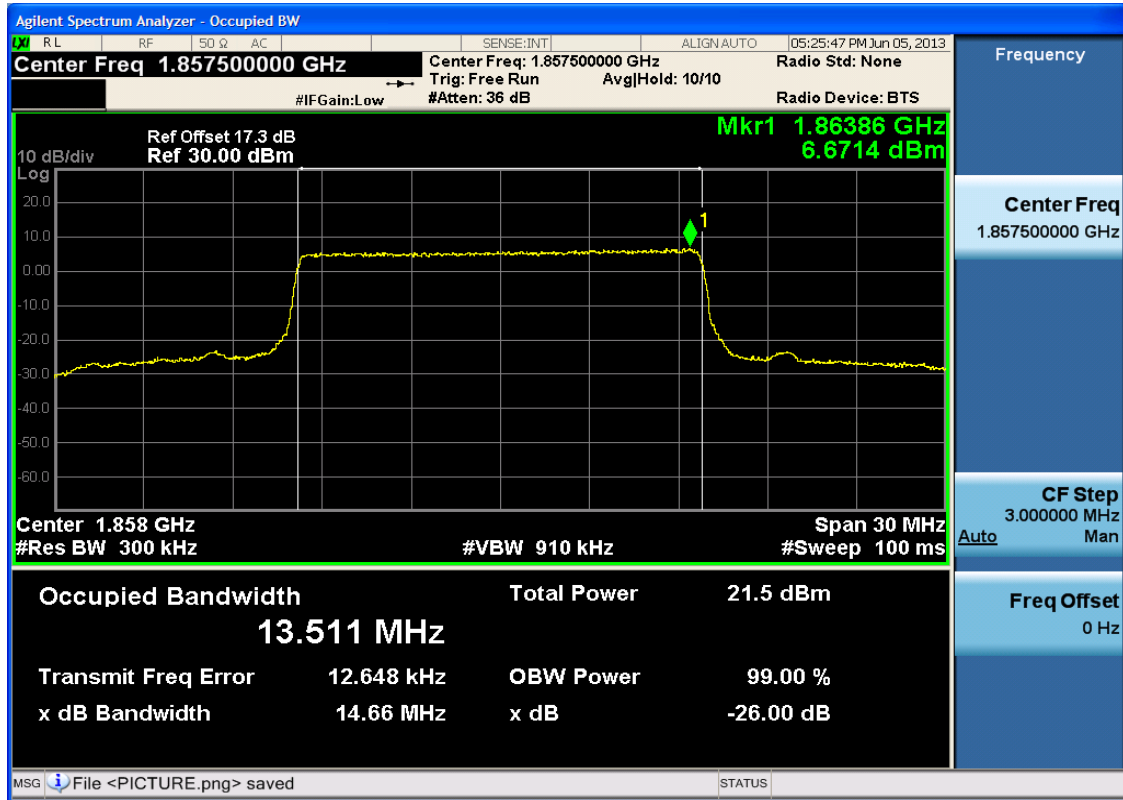
4.3.2.2.4.3.1 Test RB = RB50#0



4.3.2.2.5 Test Bandwidth = 15

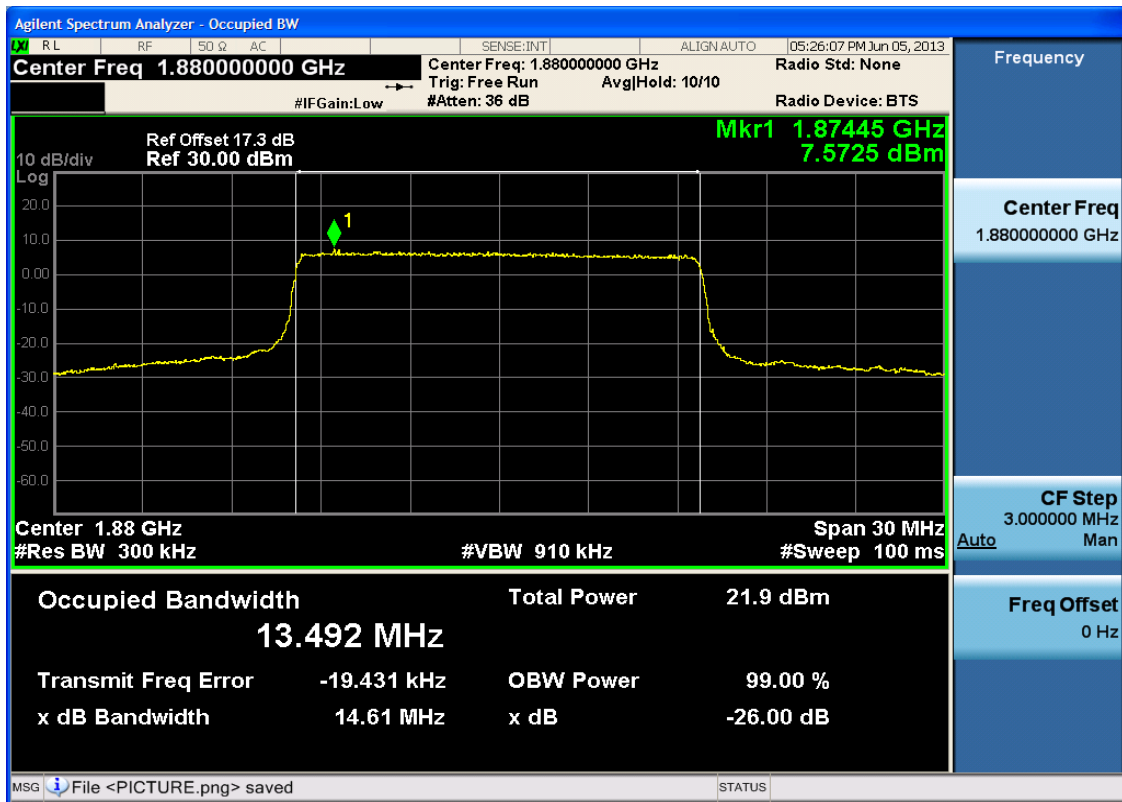
4.3.2.2.5.1 Test Channel = LCH

4.3.2.2.5.1.1 Test RB = RB75#0



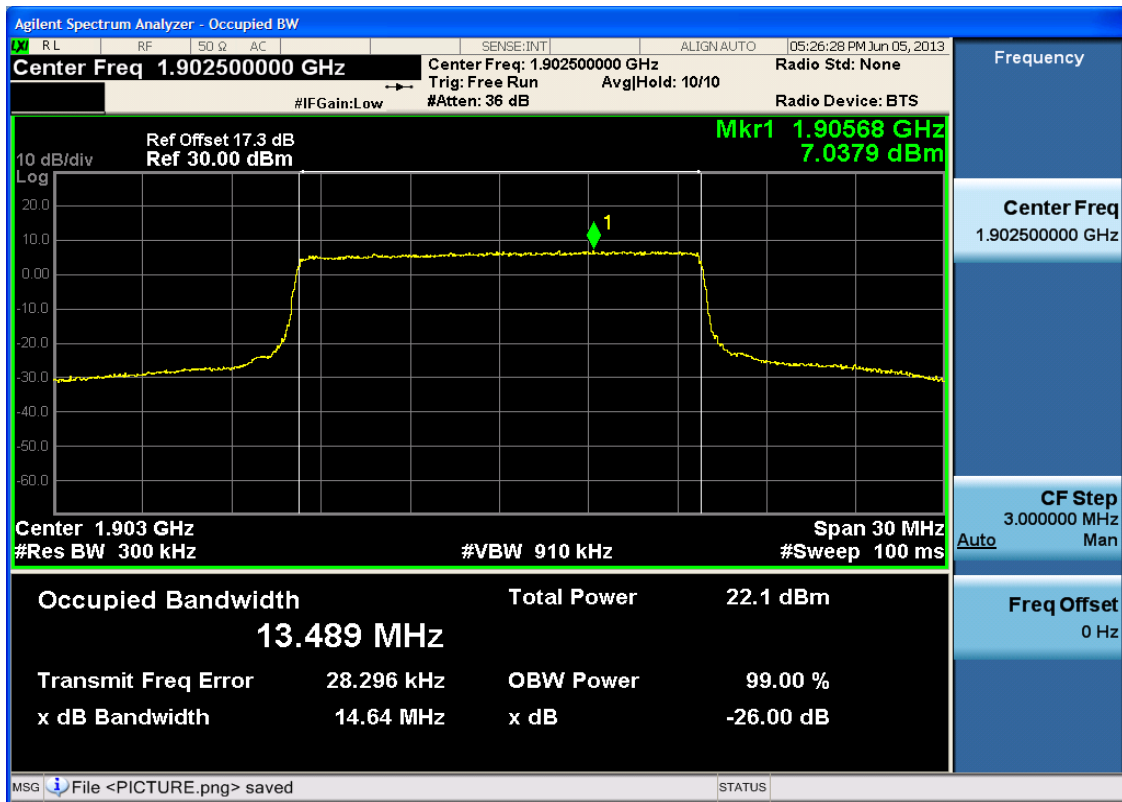
4.3.2.2.5.2 Test Channel = MCH

4.3.2.2.5.2.1 Test RB = RB75#0



4.3.2.2.5.3 Test Channel = HCH

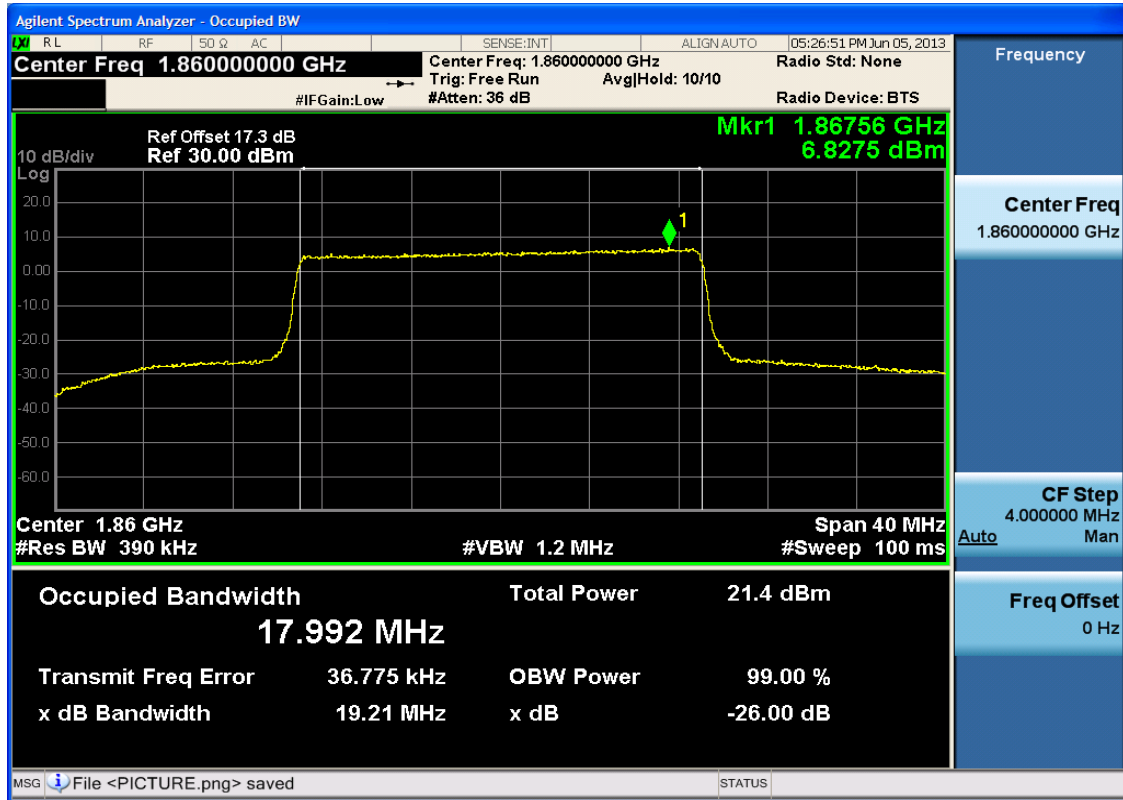
4.3.2.2.5.3.1 Test RB = RB75#0



4.3.2.2.6 Test Bandwidth = 20

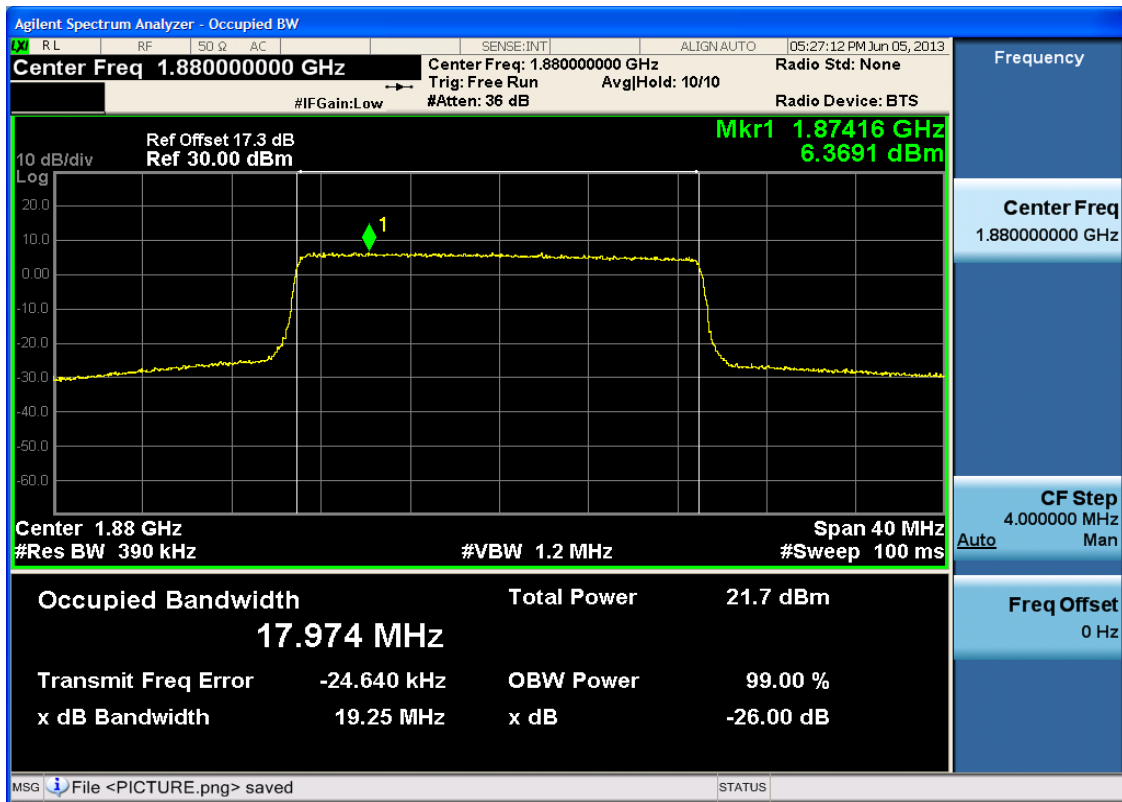
4.3.2.2.6.1 Test Channel = LCH

4.3.2.2.6.1.1 Test RB = RB100#0



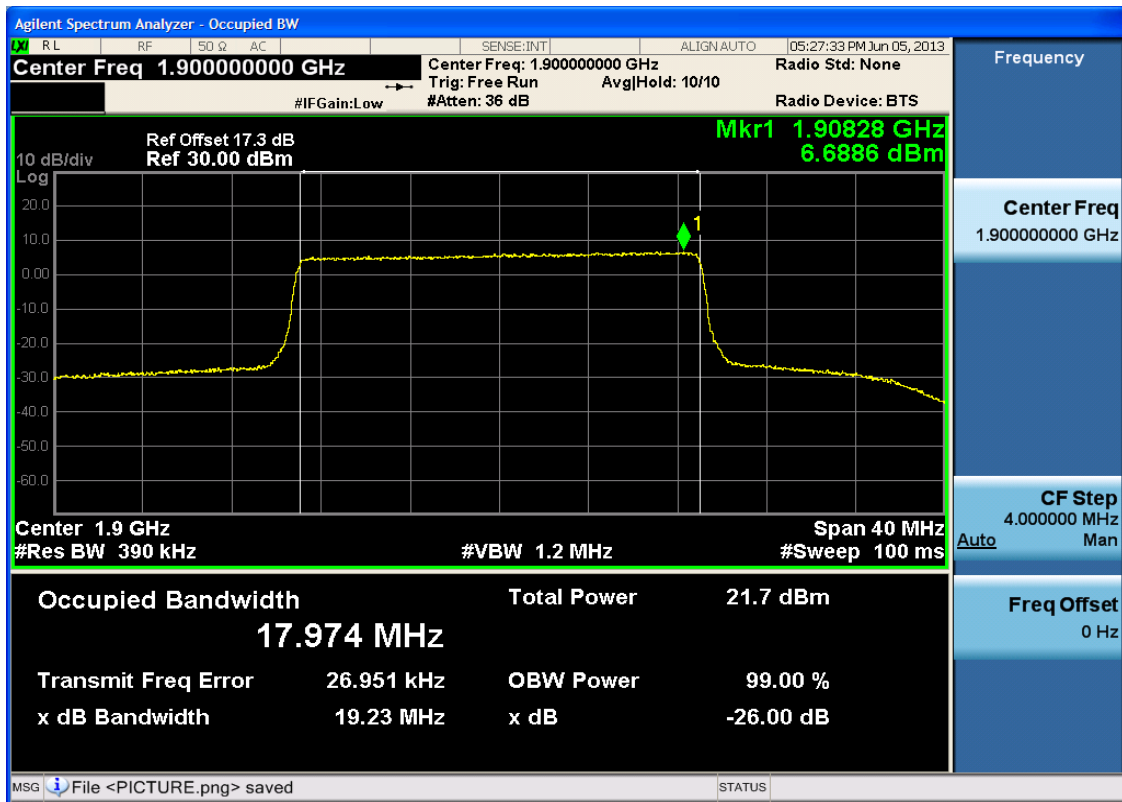
4.3.2.2.6.2 Test Channel = MCH

4.3.2.2.6.2.1 Test RB = RB100#0



4.3.2.2.6.3 Test Channel = HCH

4.3.2.2.6.3.1 Test RB = RB100#0



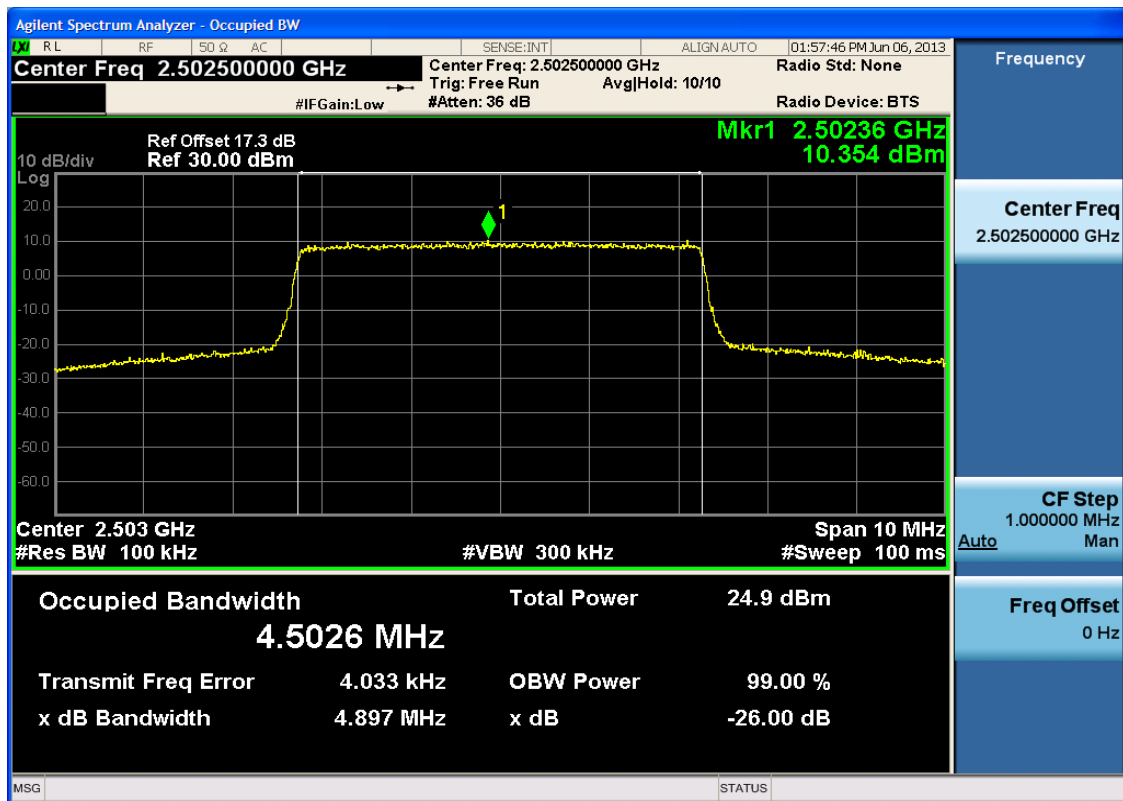
4.3.3 Test Band = BAND7

4.3.3.1 Test Mode = LTE/TM1

4.3.3.1.1 Test Bandwidth = 5

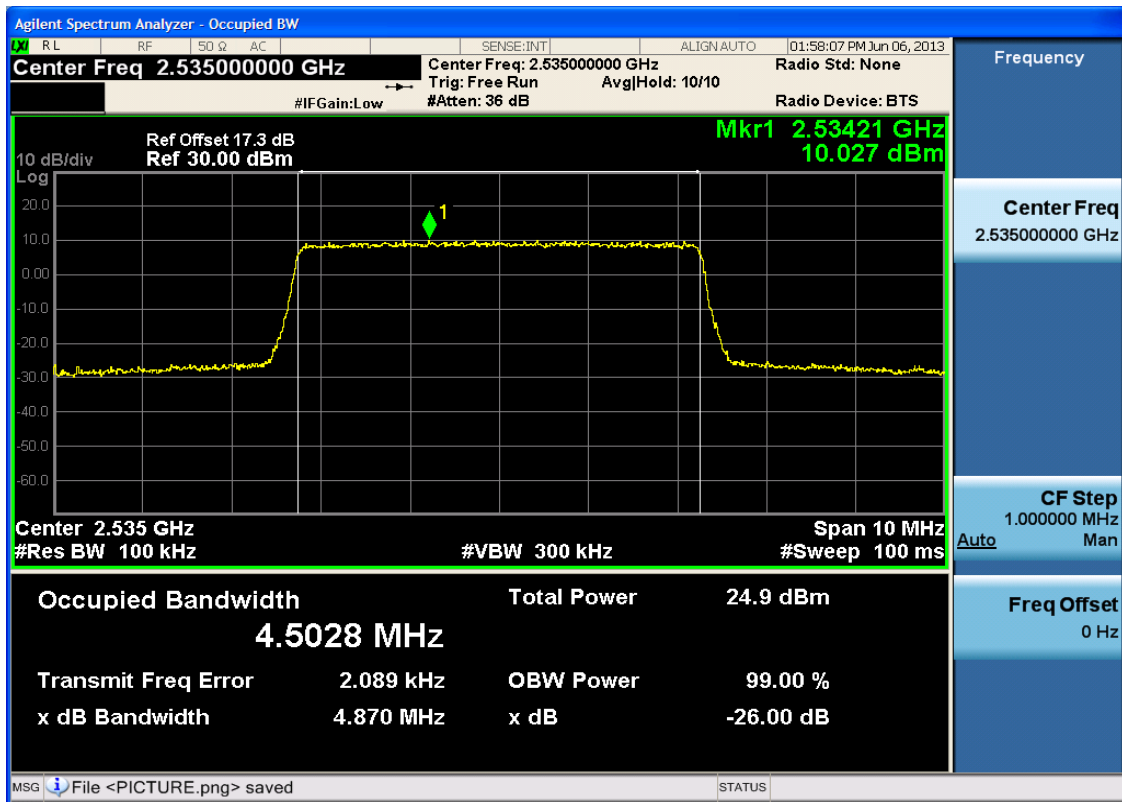
4.3.3.1.1.1 Test Channel = LCH

4.3.3.1.1.1.1 Test RB = RB25#0



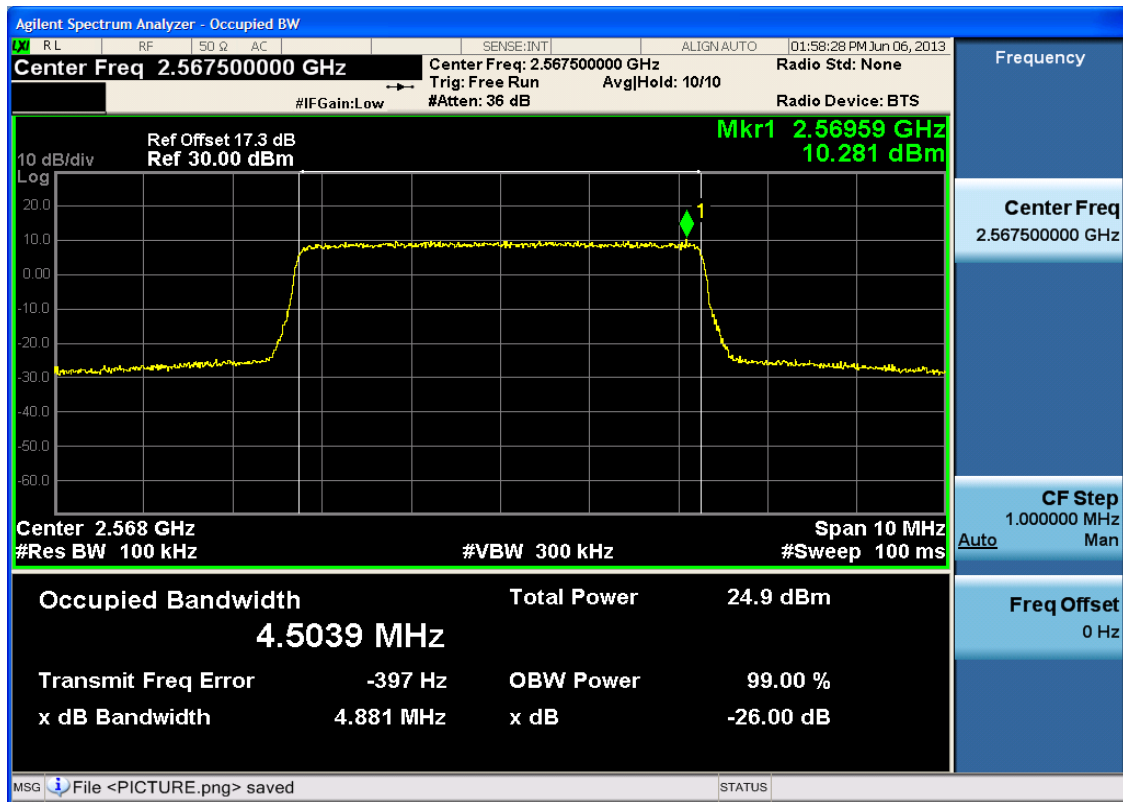
4.3.3.1.1.2 Test Channel = MCH

4.3.3.1.1.2.1 Test RB = RB25#0



4.3.3.1.1.3 Test Channel = HCH

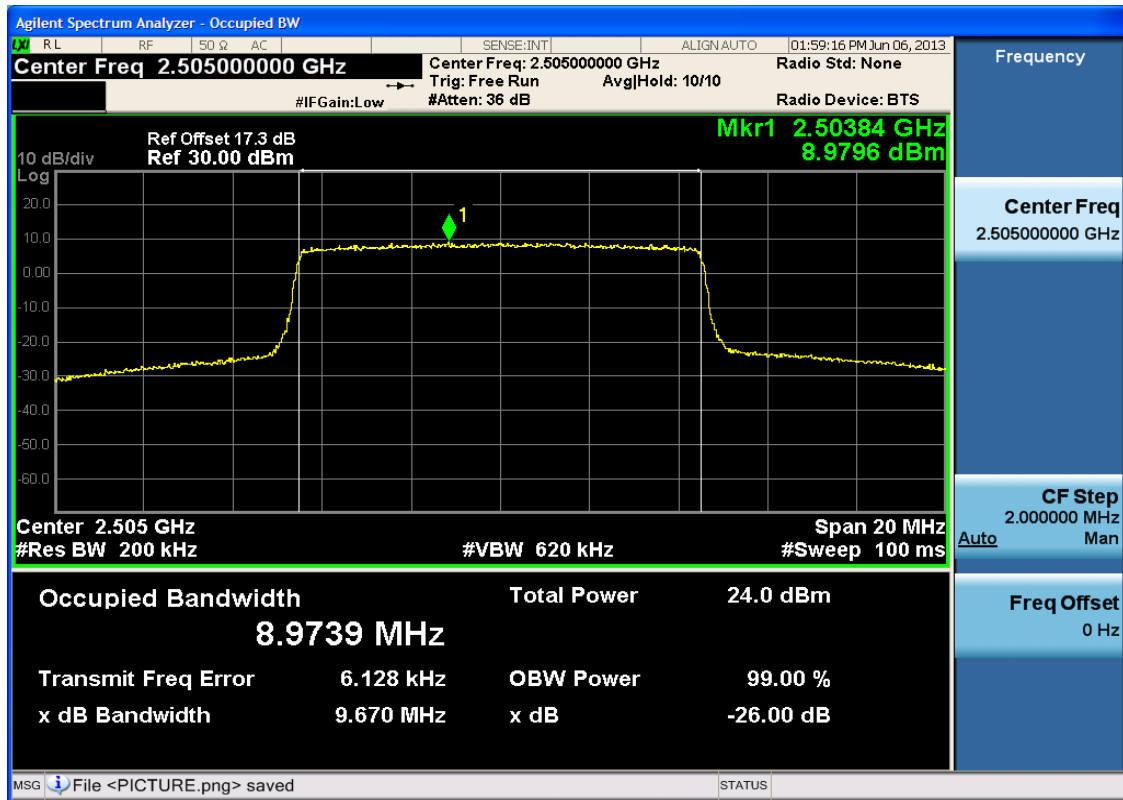
4.3.3.1.1.3.1 Test RB = RB25#0



4.3.3.1.2 Test Bandwidth = 10

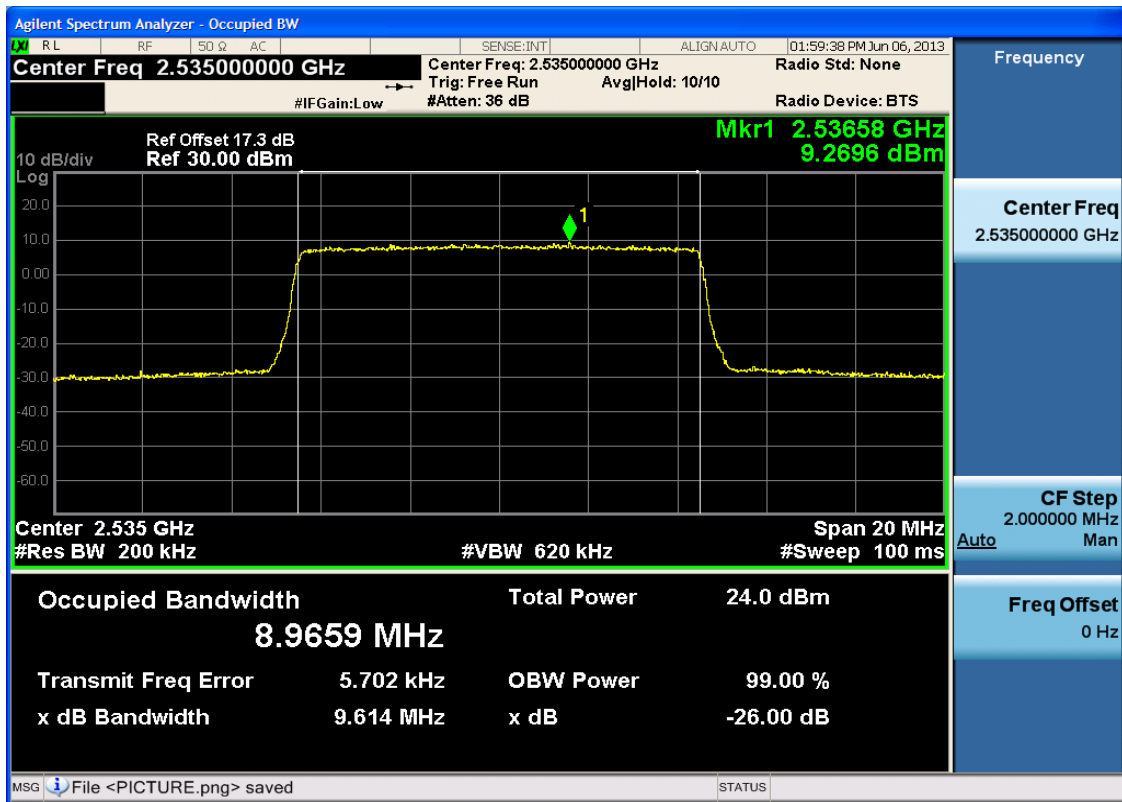
4.3.3.1.2.1 Test Channel = LCH

4.3.3.1.2.1.1 Test RB = RB50#0



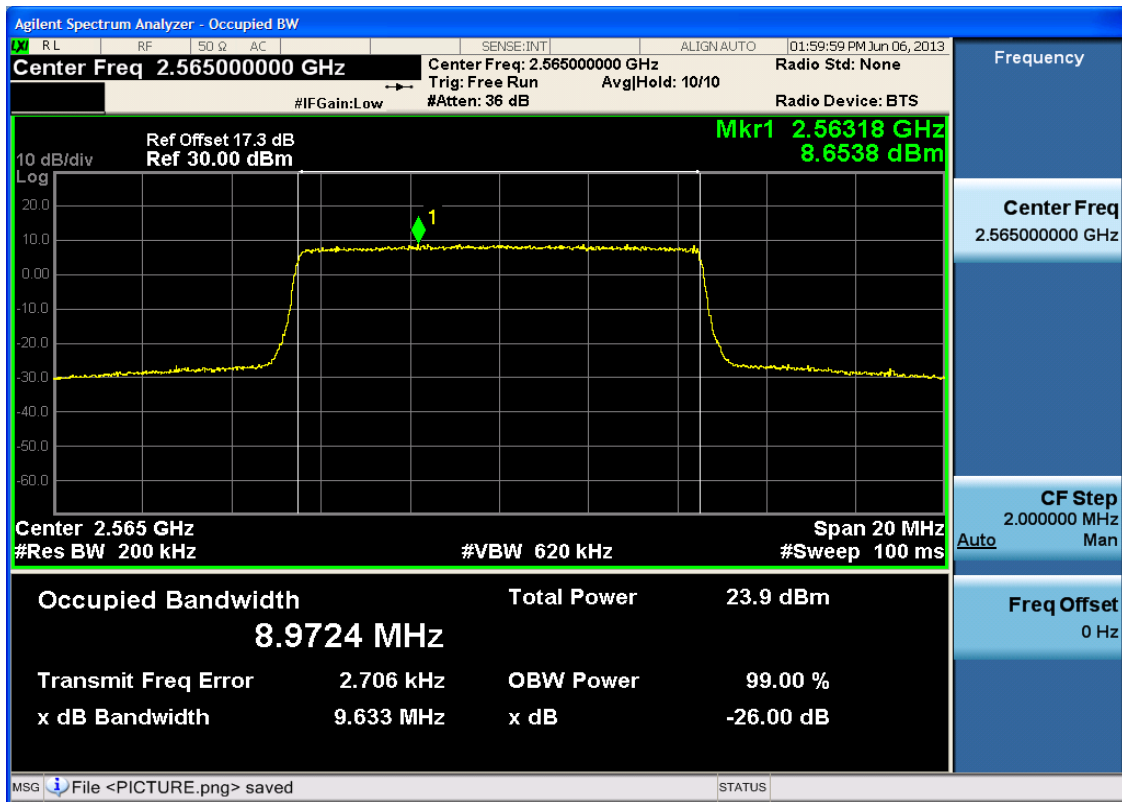
4.3.3.1.2.2 Test Channel = MCH

4.3.3.1.2.2.1 Test RB = RB50#0



4.3.3.1.2.3 Test Channel = HCH

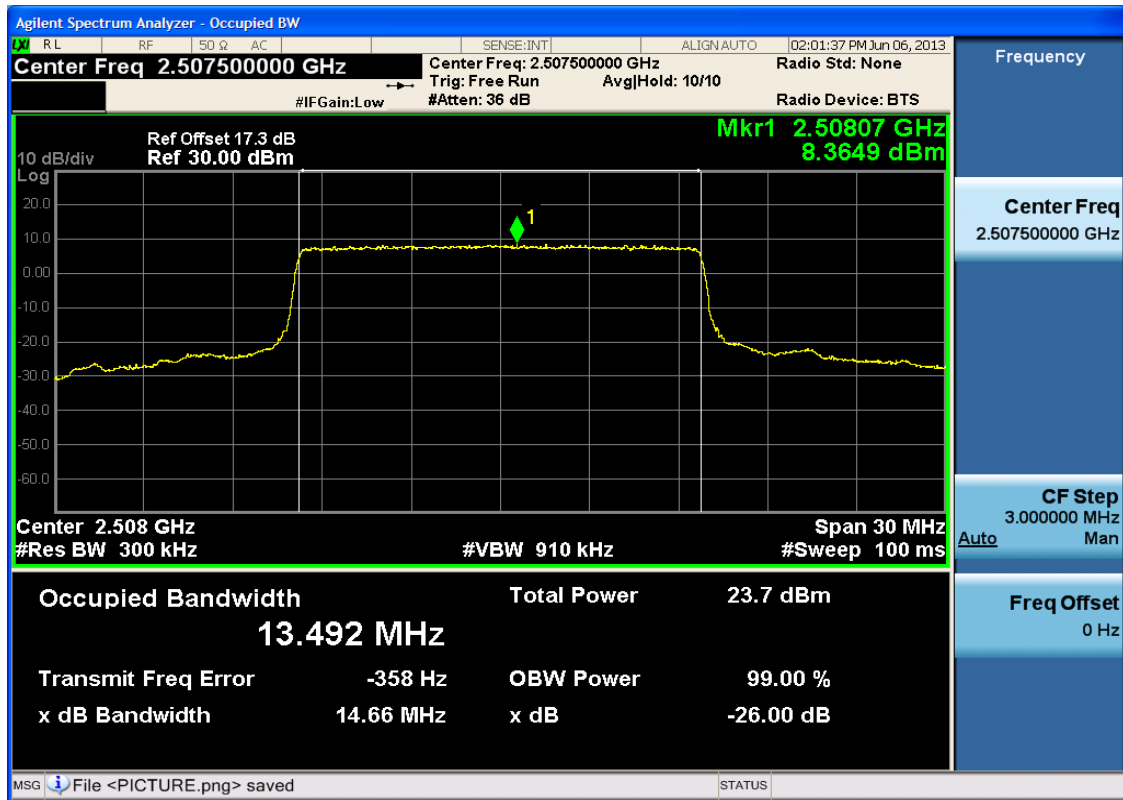
4.3.3.1.2.3.1 Test RB = RB50#0



4.3.3.1.3 Test Bandwidth = 15

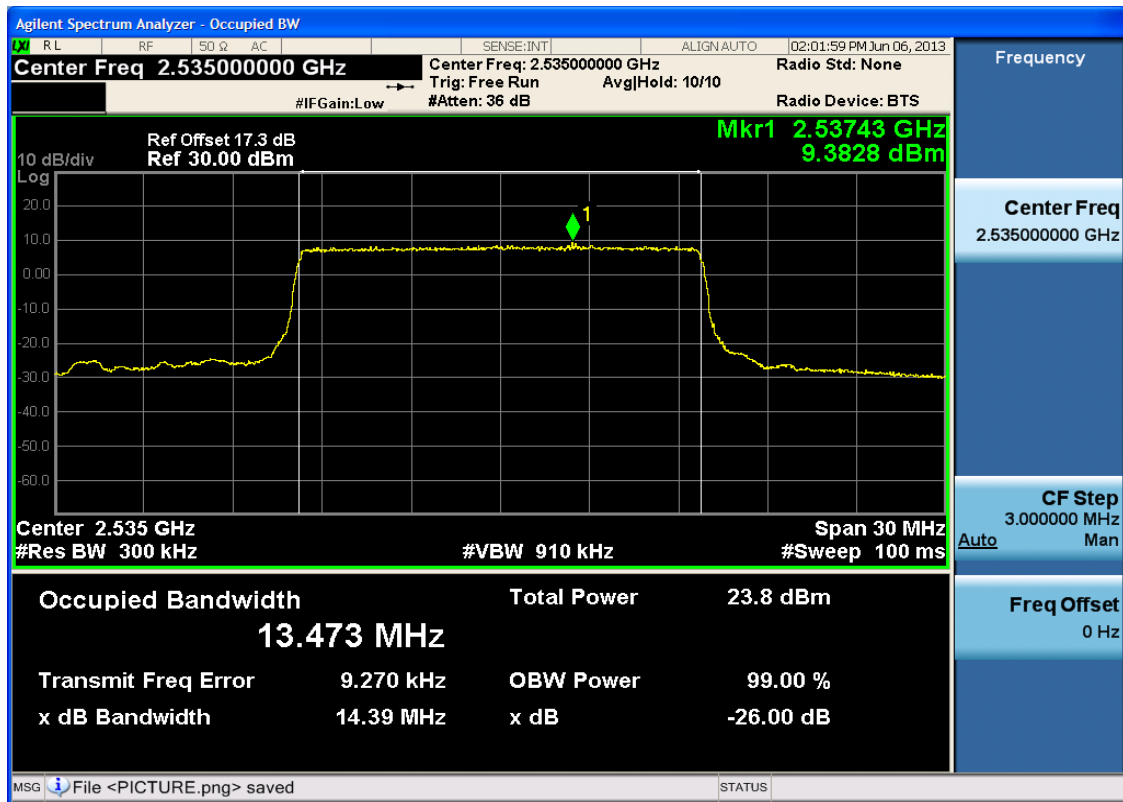
4.3.3.1.3.1 Test Channel = LCH

4.3.3.1.3.1.1 Test RB = RB75#0



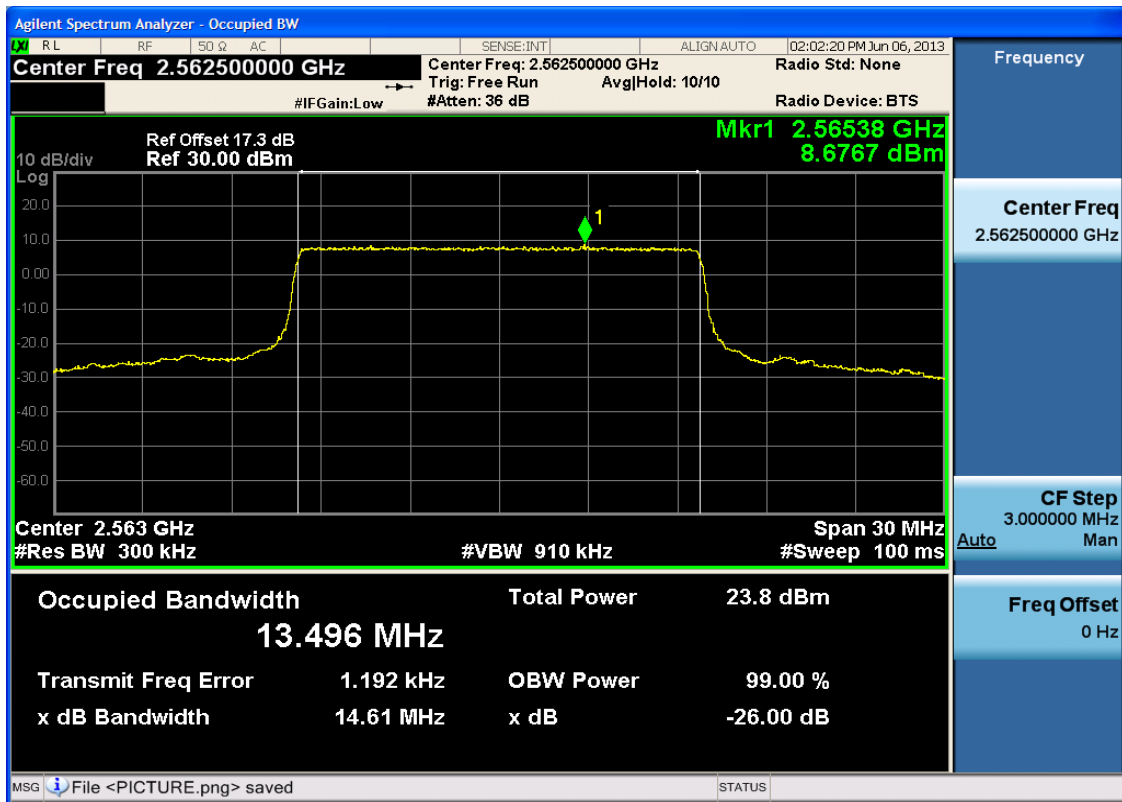
4.3.3.1.3.2 Test Channel = MCH

4.3.3.1.3.2.1 Test RB = RB75#0



4.3.3.1.3.3 Test Channel = HCH

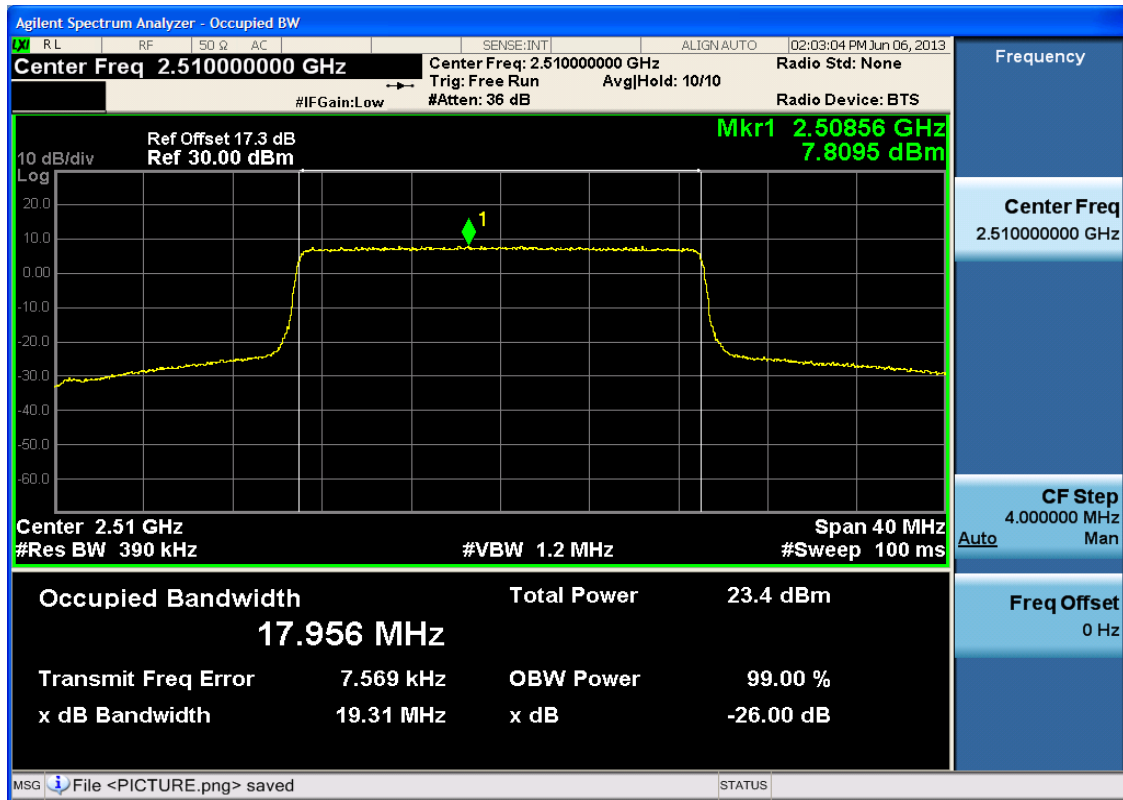
4.3.3.1.3.3.1 Test RB = RB75#0



4.3.3.1.4 Test Bandwidth = 20

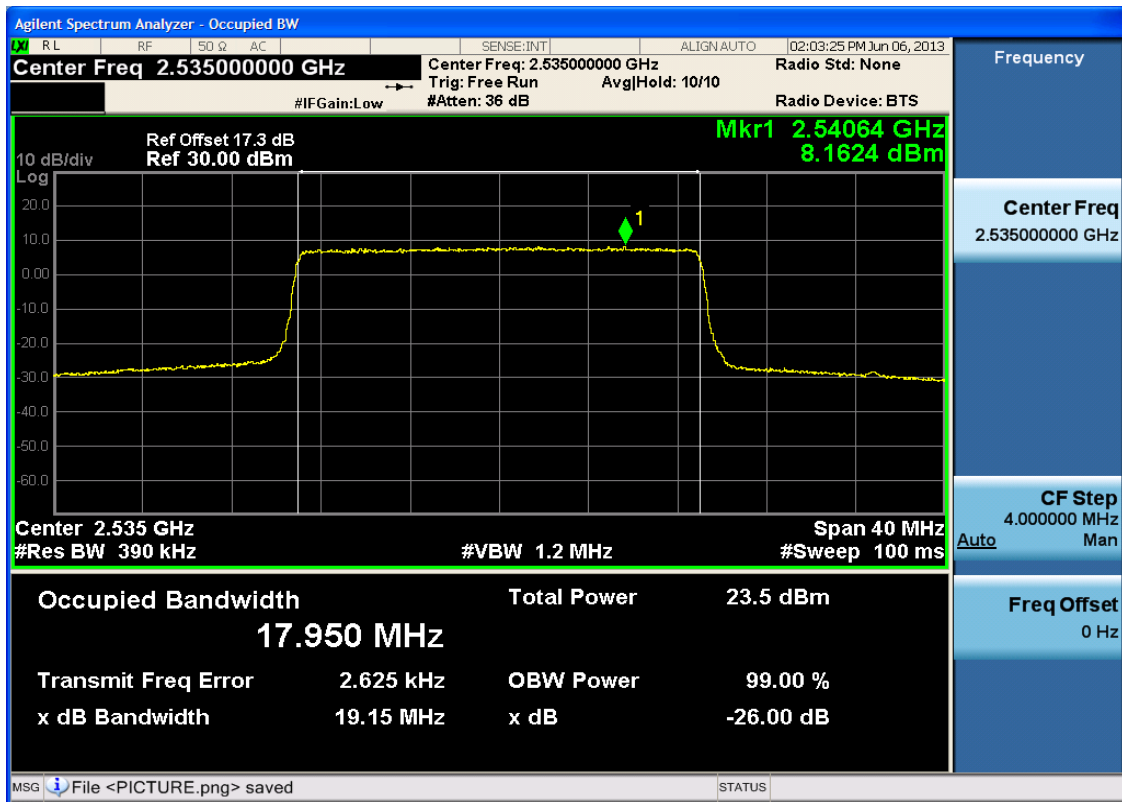
4.3.3.1.4.1 Test Channel = LCH

4.3.3.1.4.1.1 Test RB = RB100#0



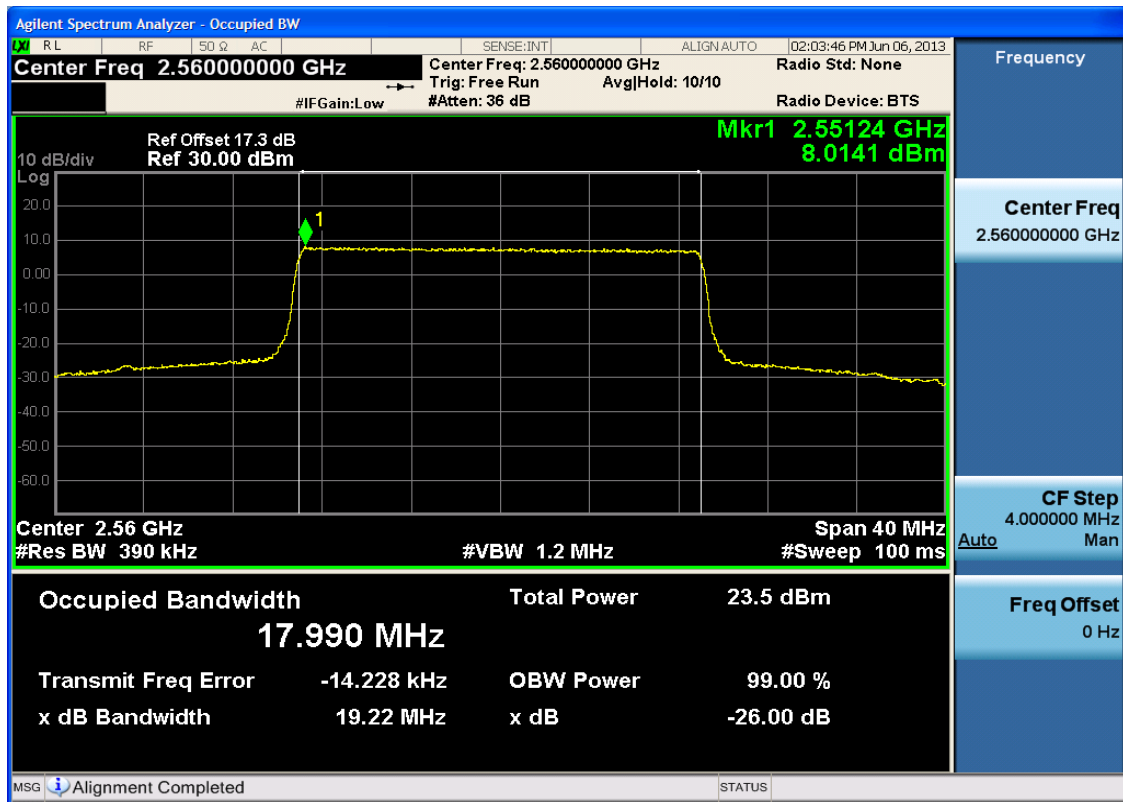
4.3.3.1.4.2 Test Channel = MCH

4.3.3.1.4.2.1 Test RB = RB100#0



4.3.3.1.4.3 Test Channel = HCH

4.3.3.1.4.3.1 Test RB = RB100#0

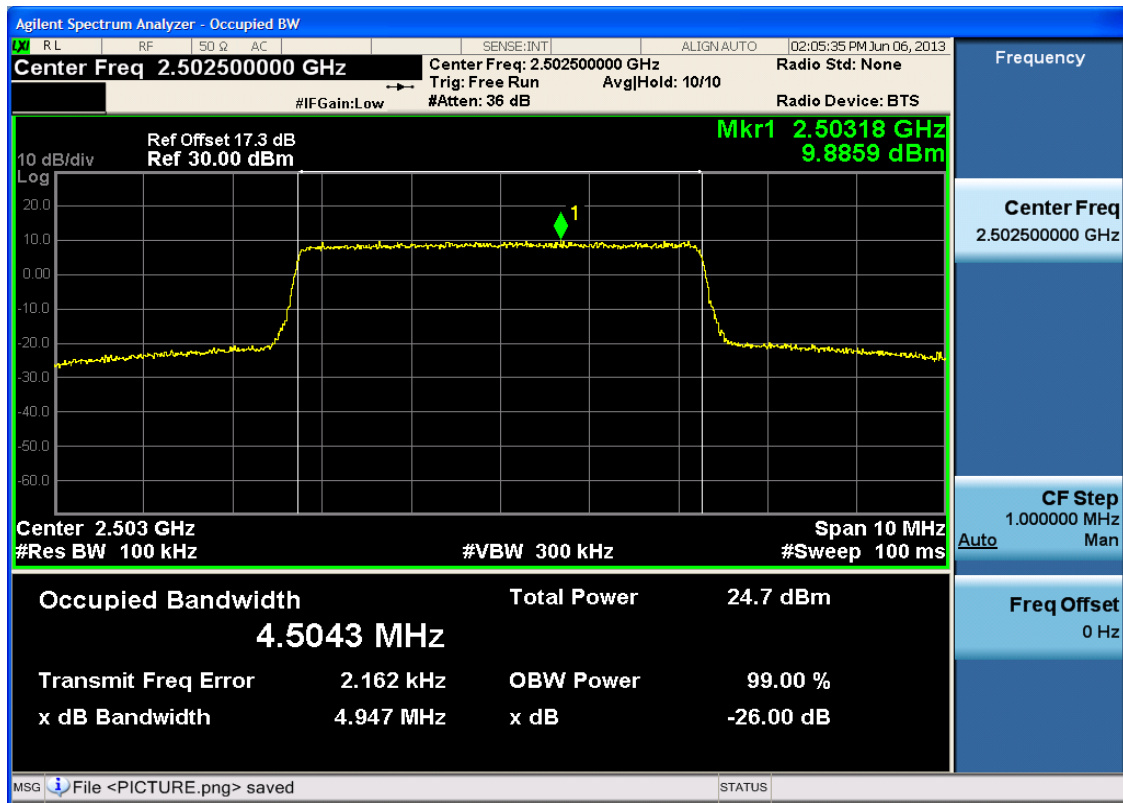


4.3.3.2 Test Mode = LTE/TM2

4.3.3.2.1 Test Bandwidth = 5

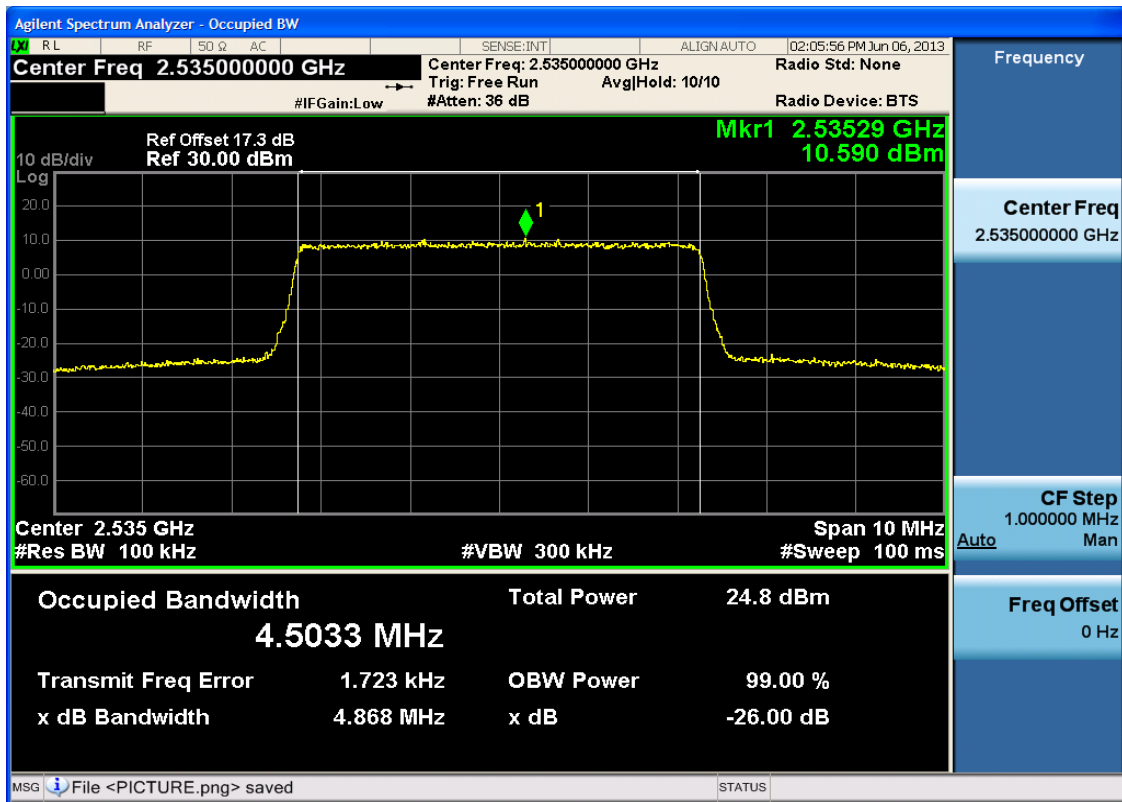
4.3.3.2.1.1 Test Channel = LCH

4.3.3.2.1.1.1 Test RB = RB25#0



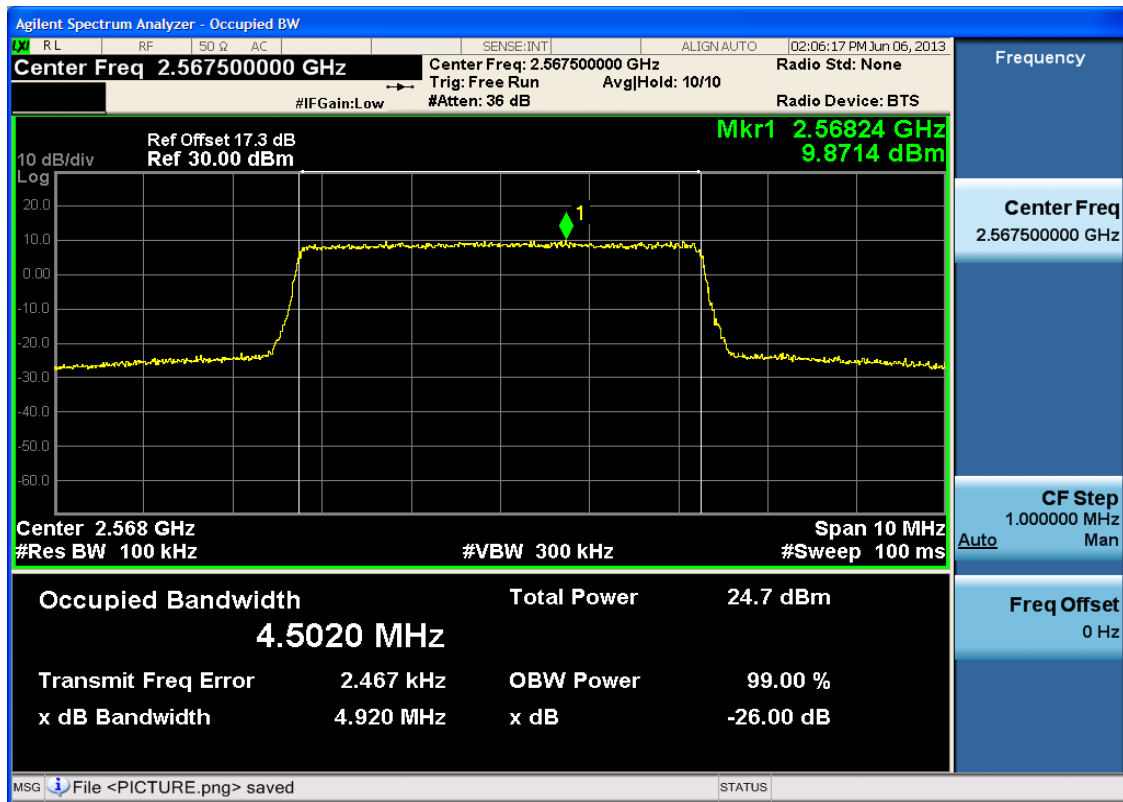
4.3.3.2.1.2 Test Channel = MCH

4.3.3.2.1.2.1 Test RB = RB25#0



4.3.3.2.1.3 Test Channel = HCH

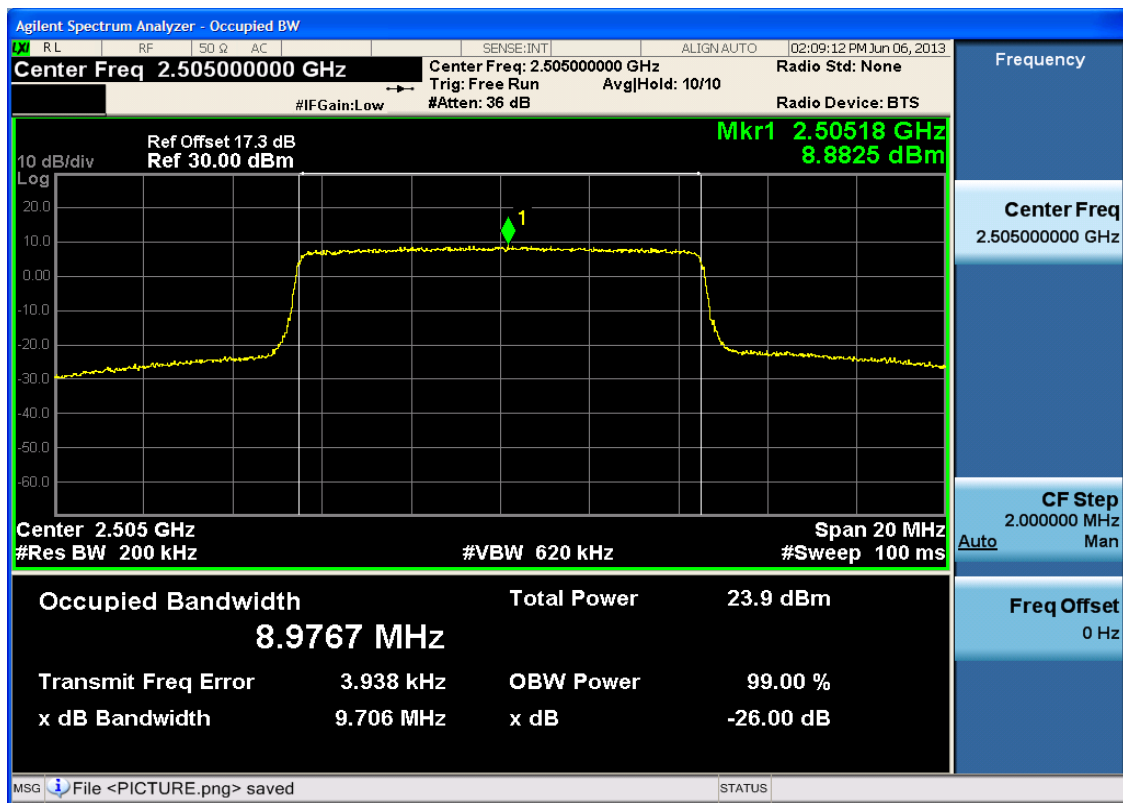
4.3.3.2.1.3.1 Test RB = RB25#0



4.3.3.2.2 Test Bandwidth = 10

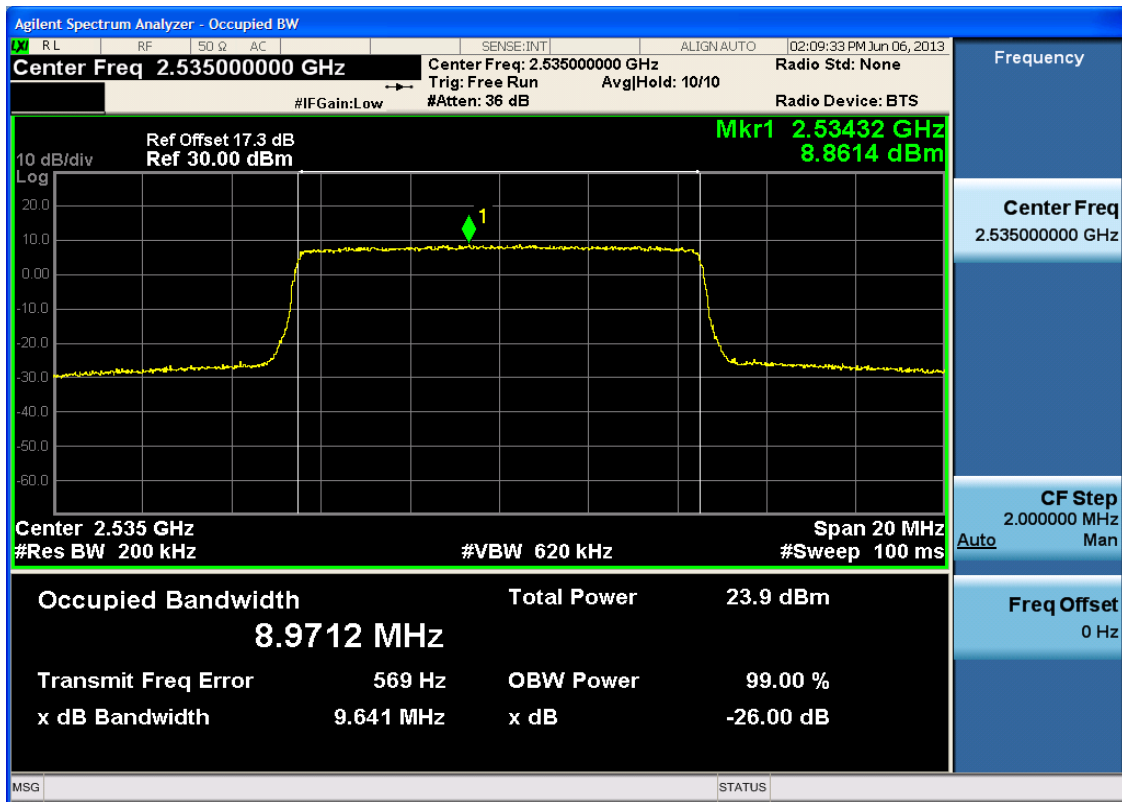
4.3.3.2.2.1 Test Channel = LCH

4.3.3.2.2.1.1 Test RB = RB50#0



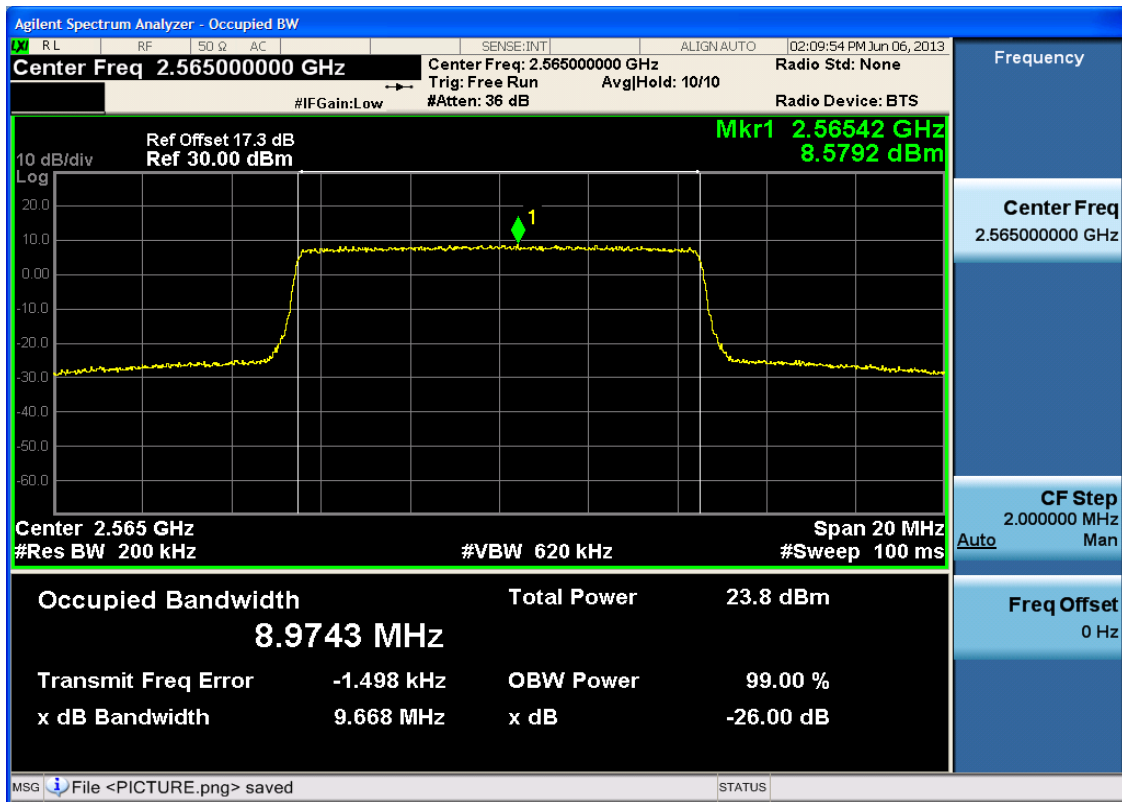
4.3.3.2.2 Test Channel = MCH

4.3.3.2.2.1 Test RB = RB50#0



4.3.3.2.2.3 Test Channel = HCH

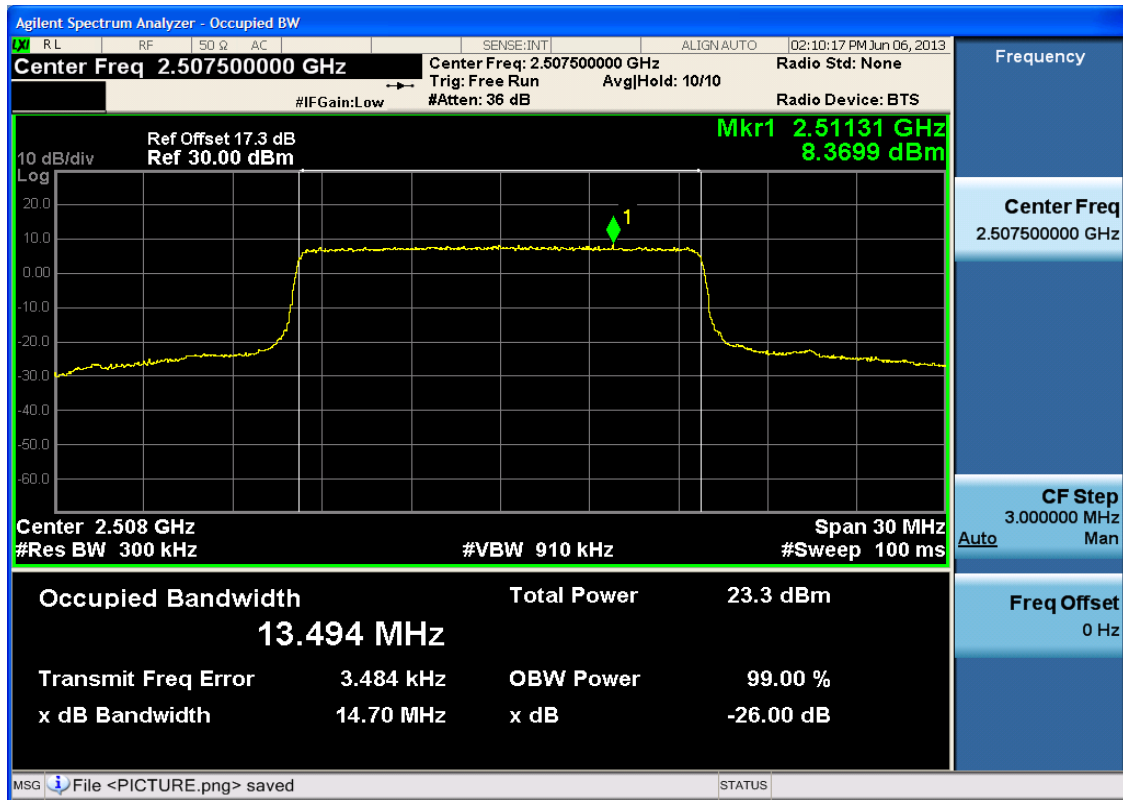
4.3.3.2.2.3.1 Test RB = RB50#0



4.3.3.2.3 Test Bandwidth = 15

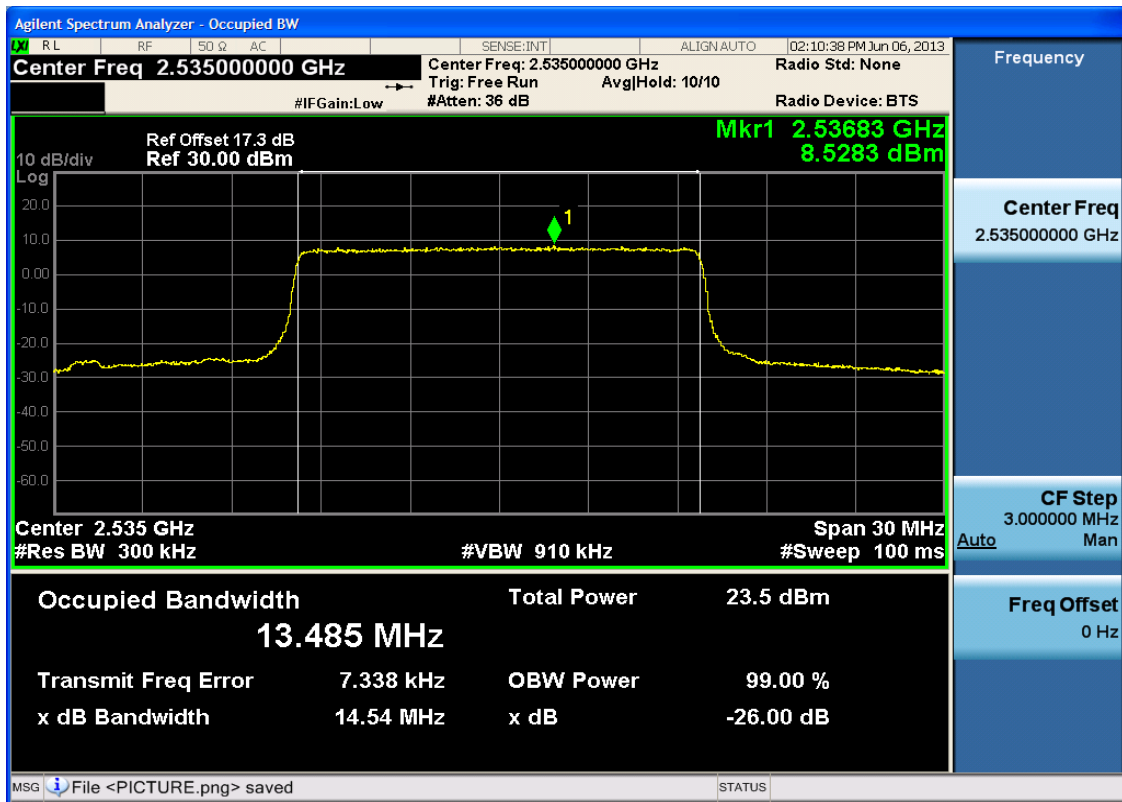
4.3.3.2.3.1 Test Channel = LCH

4.3.3.2.3.1.1 Test RB = RB75#0



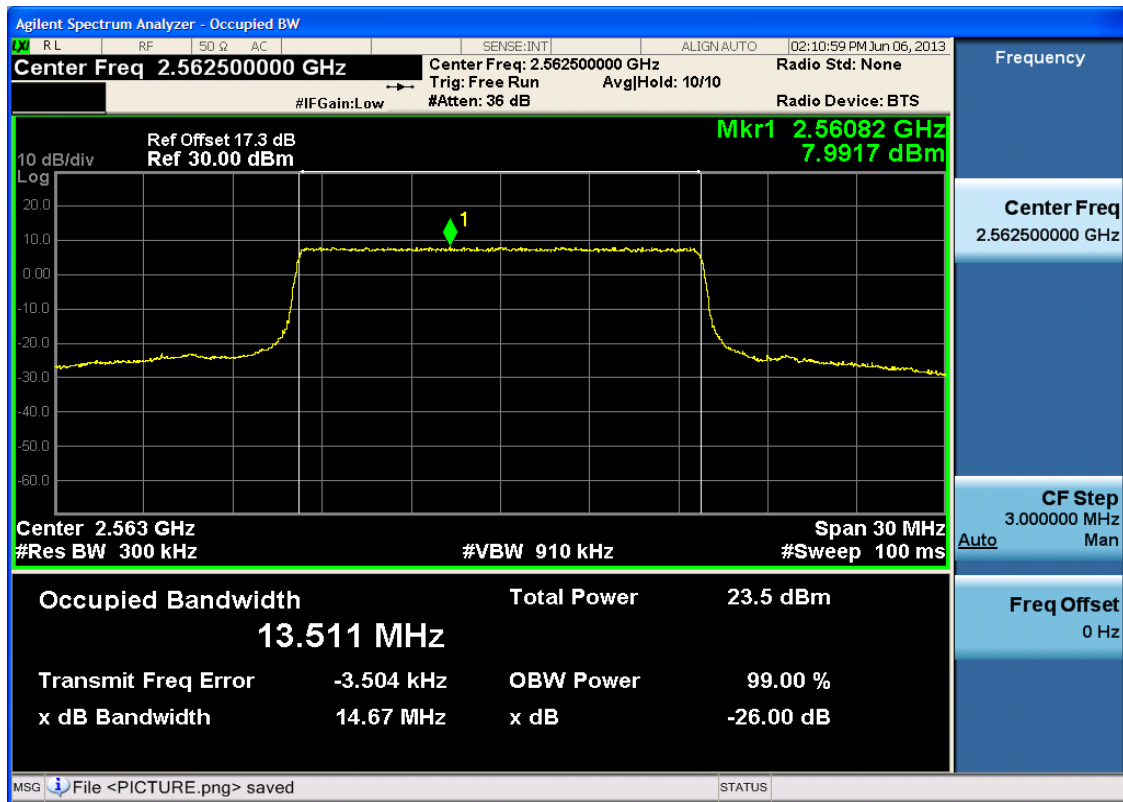
4.3.3.2.3.2 Test Channel = MCH

4.3.3.2.3.2.1 Test RB = RB75#0



4.3.3.2.3.3 Test Channel = HCH

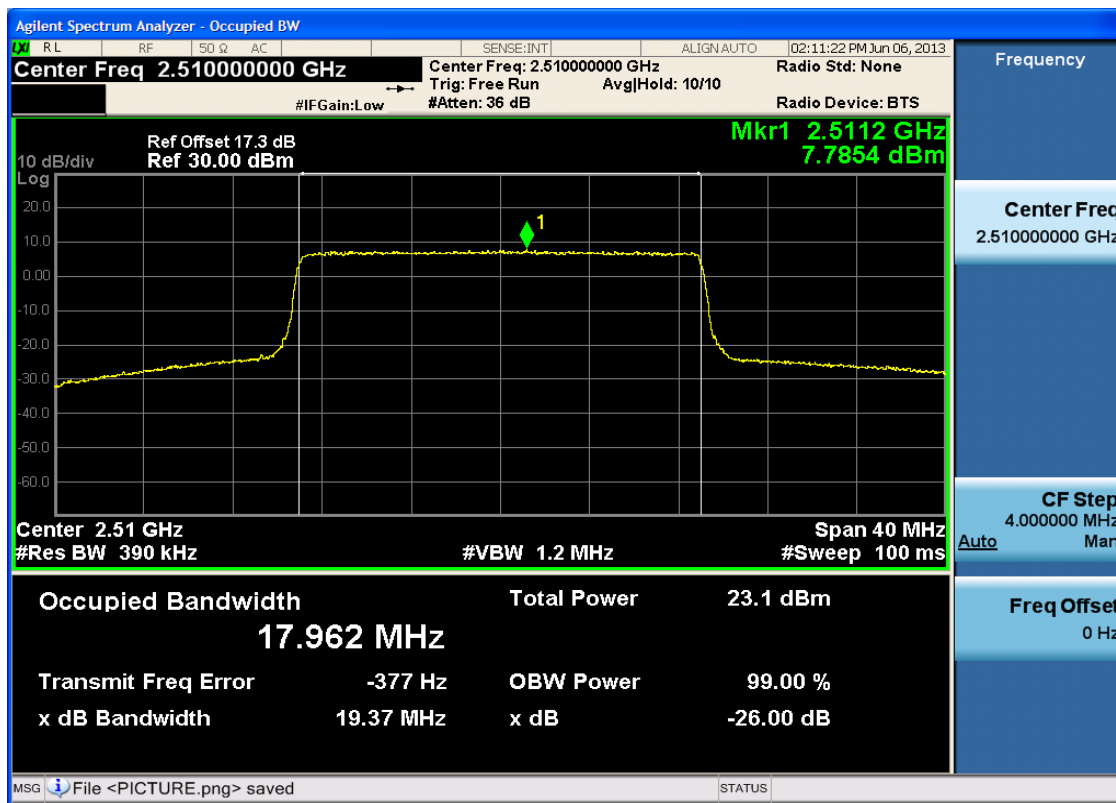
4.3.3.2.3.3.1 Test RB = RB75#0



4.3.3.2.4 Test Bandwidth = 20

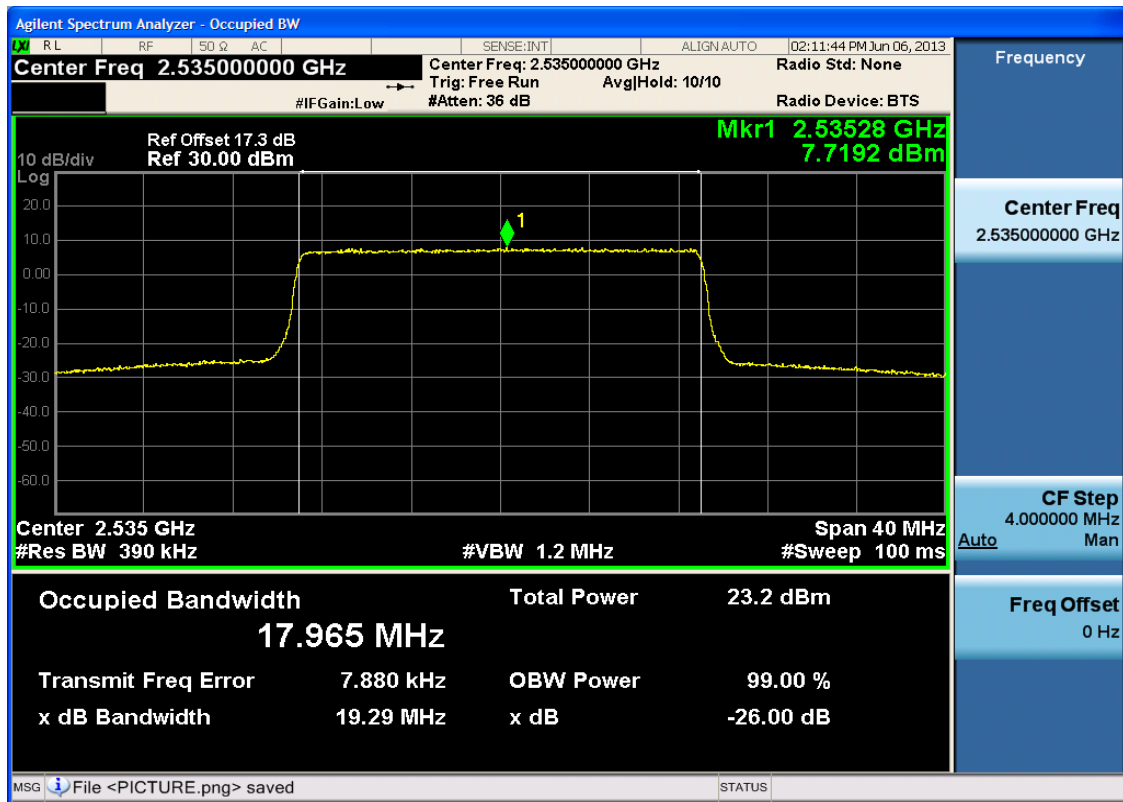
4.3.3.2.4.1 Test Channel = LCH

4.3.3.2.4.1.1 Test RB = RB100#0



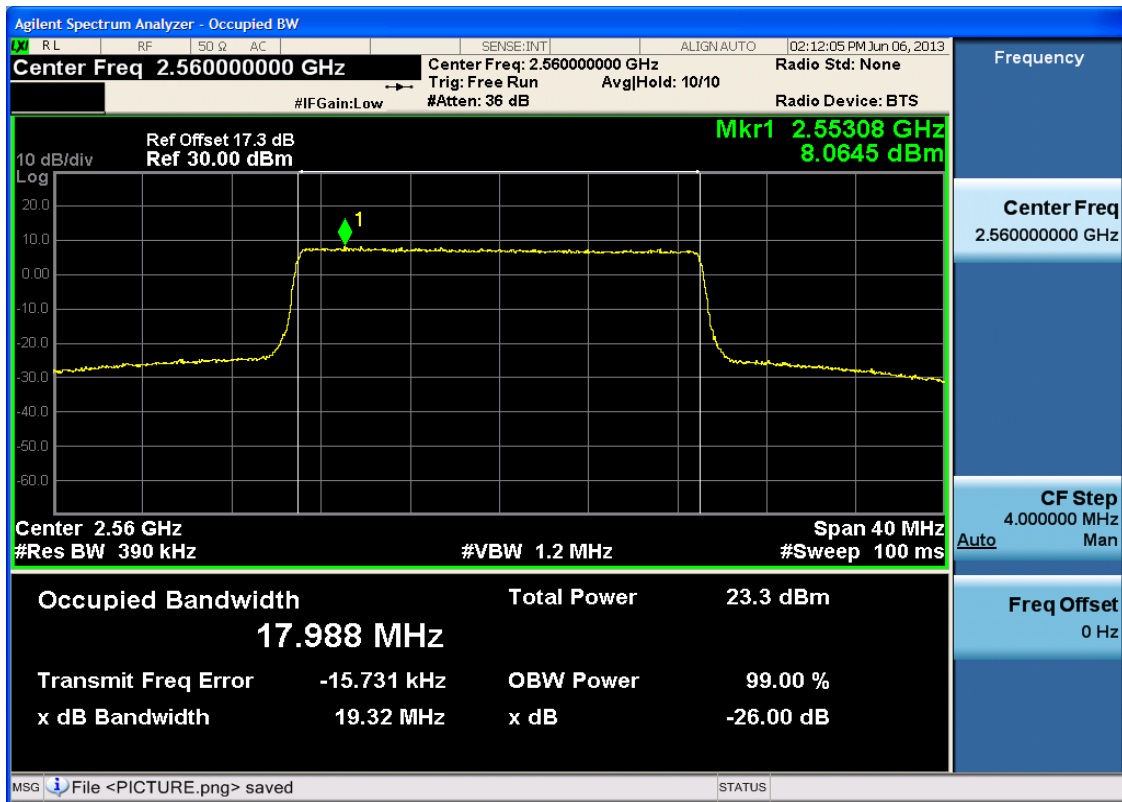
4.3.3.2.4.2 Test Channel = MCH

4.3.3.2.4.2.1 Test RB = RB100#0



4.3.3.2.4.3 Test Channel = HCH

4.3.3.2.4.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

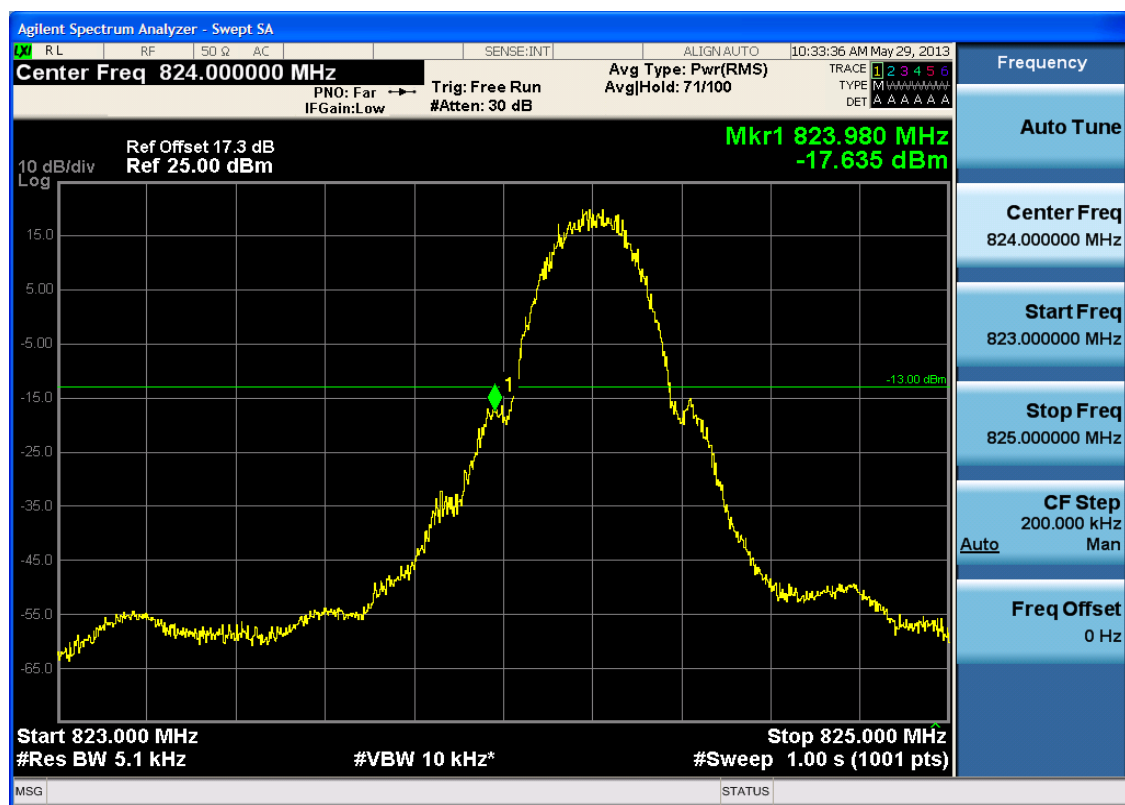
Part I - Test Plots

5.1 For GSM

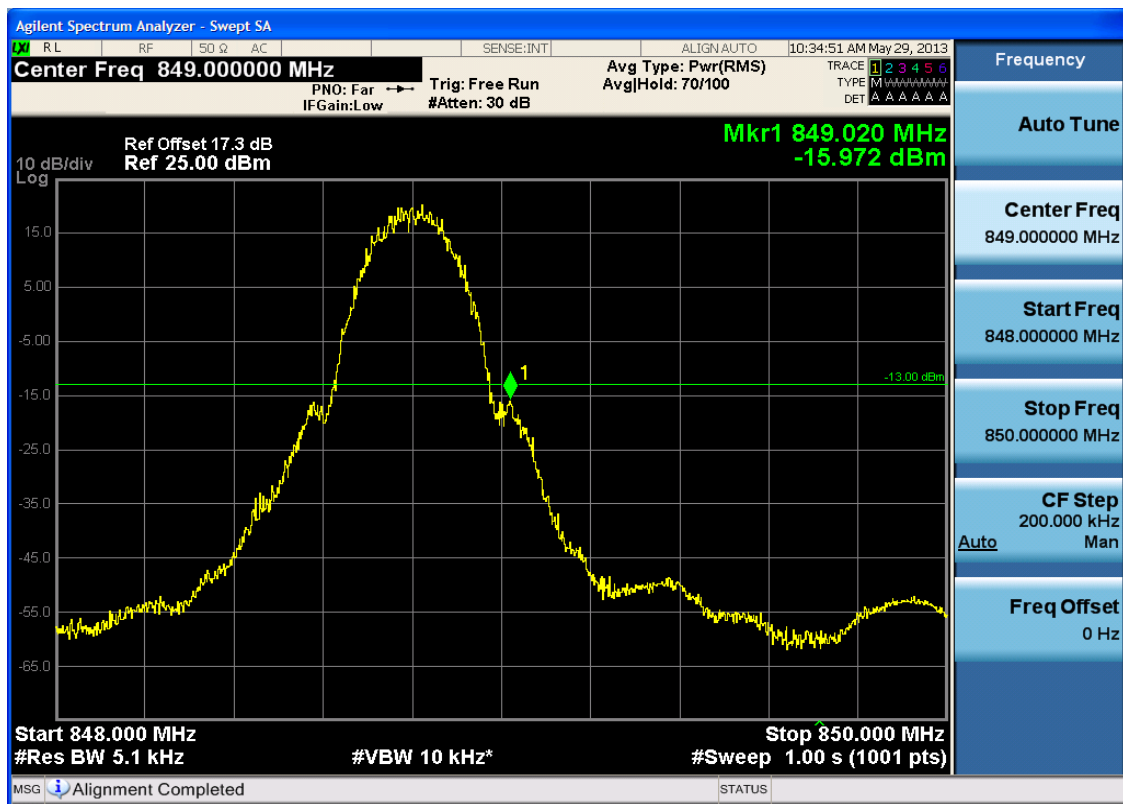
5.1.1 Test Band = GSM850

5.1.1.1 Test Mode = GSM/TM1

5.1.1.1.1 Test Channel = LCH

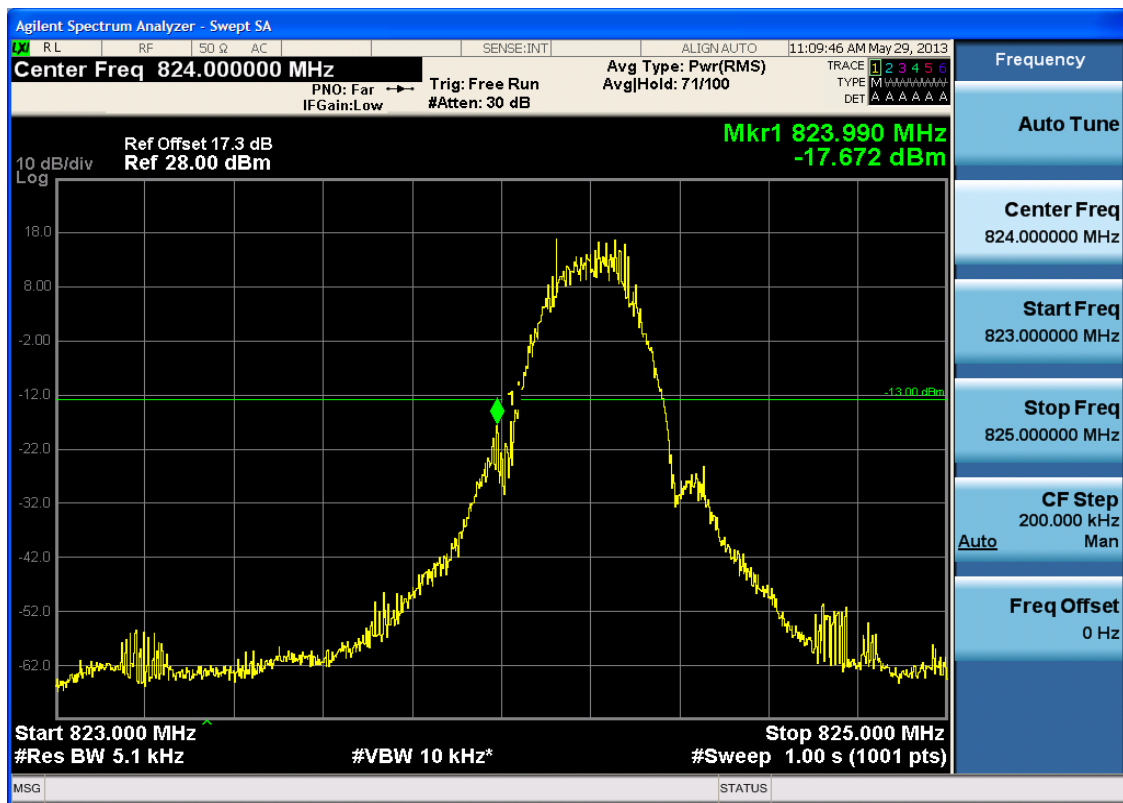


5.1.1.1.2 Test Channel = HCH

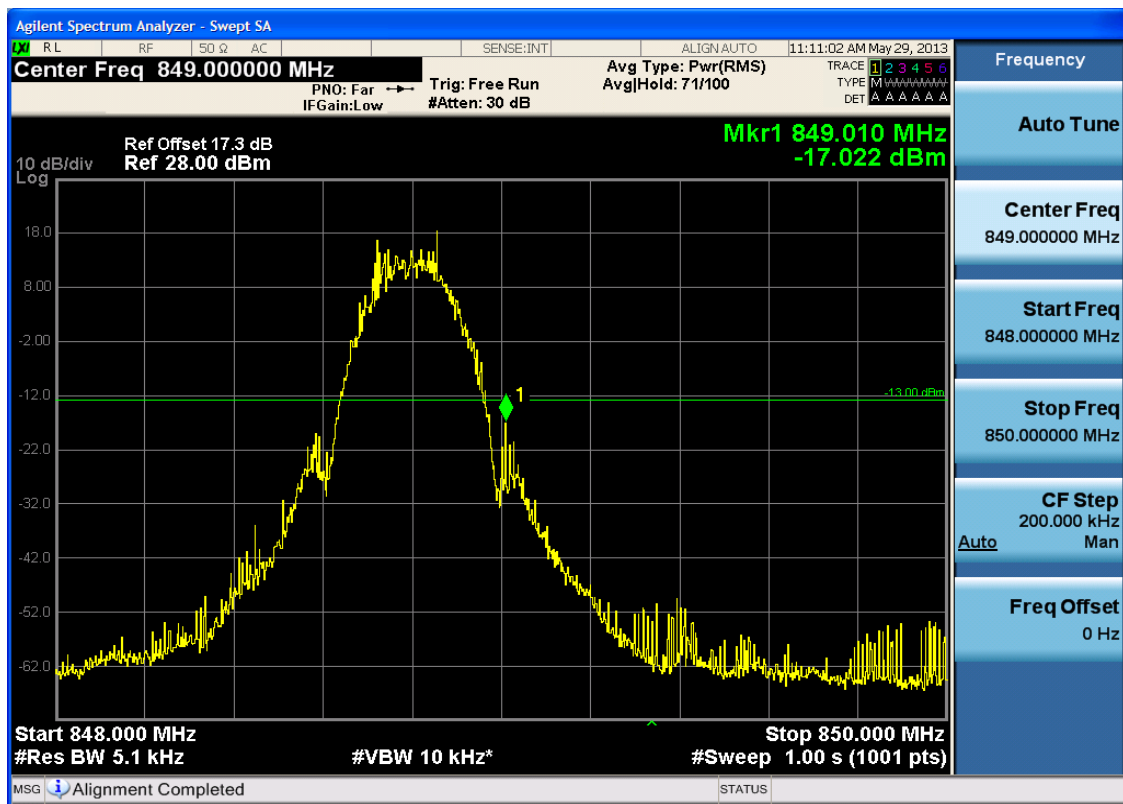


5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH



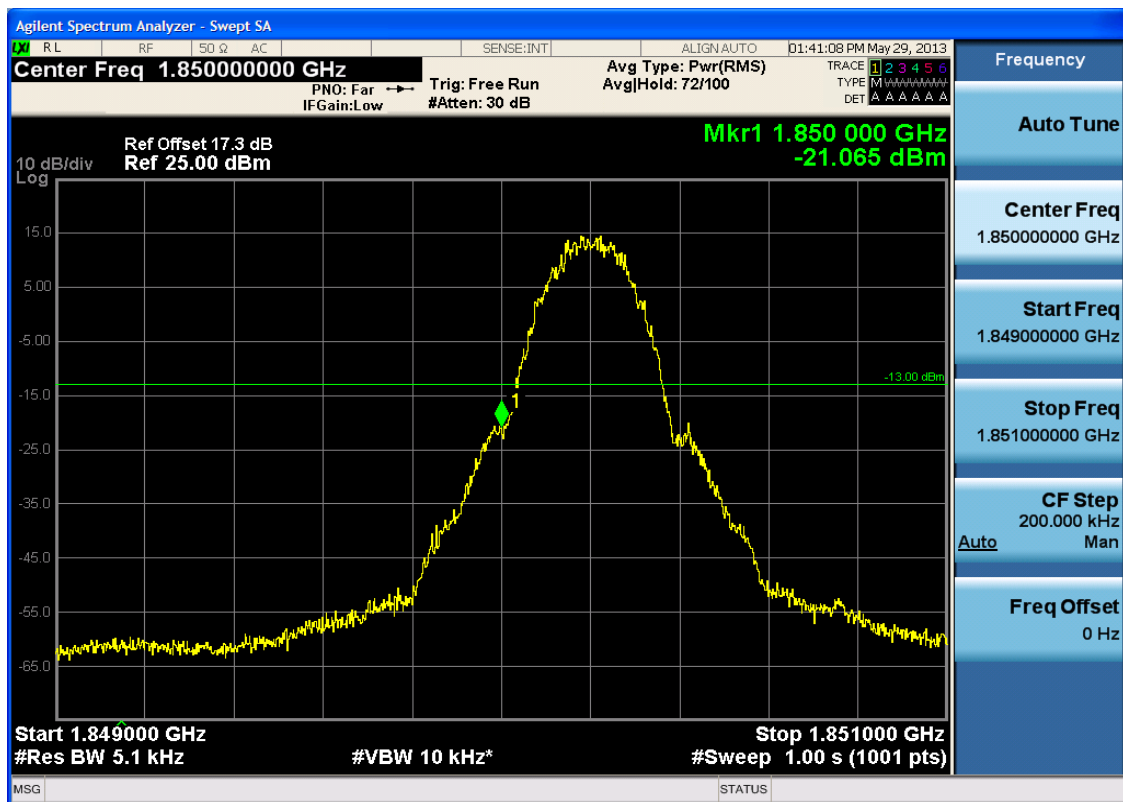
5.1.1.2.2 Test Channel = HCH

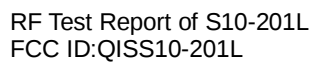


5.1.2 Test Band = GSM1900

5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH





Agilent Spectrum Analyzer - Swept SA

☒ R.L. RF 50 Ω AC SENSE:INT ALIGN:AUTO 01:42:24 PM May 29, 2013

Center Freq 1.91000000 GHz Avg Type: Pwr(RMS) TRACE 1 2 3 4 5 6
 PNO: Far → Trig: Free Run Avg|Hold: 71/100 TYPE M A A A A A A
 IFGain:Low #Atten: 30 dB DET A A A A A A

Ref Offset 17.3 dB **Mkr1 1.910 020 GHz**
 Ref 25.00 dBm **-20.200 dBm**

10 dB/div
Log

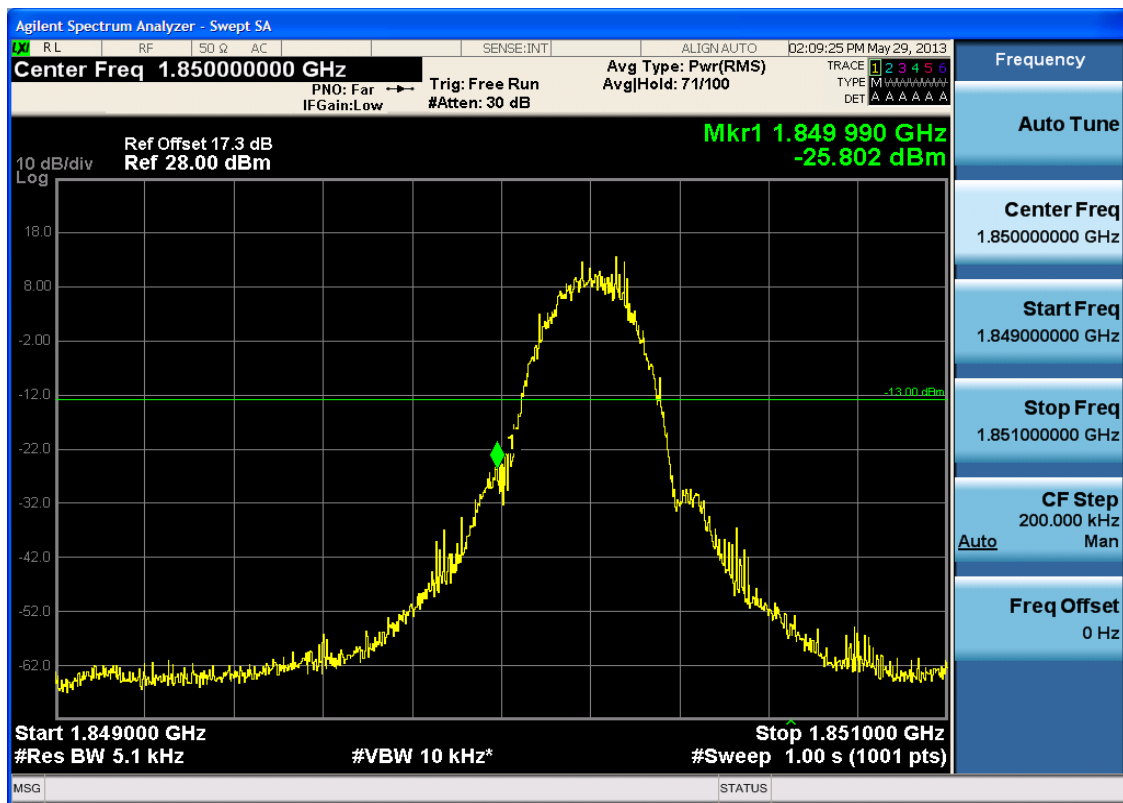
Start 1.909000 GHz Stop 1.911000 GHz
 #Res BW 5.1 kHz #VBW 10 kHz* #Sweep 1.00 s (1001 pts)

MSG File <PICTURE.png> saved STATUS

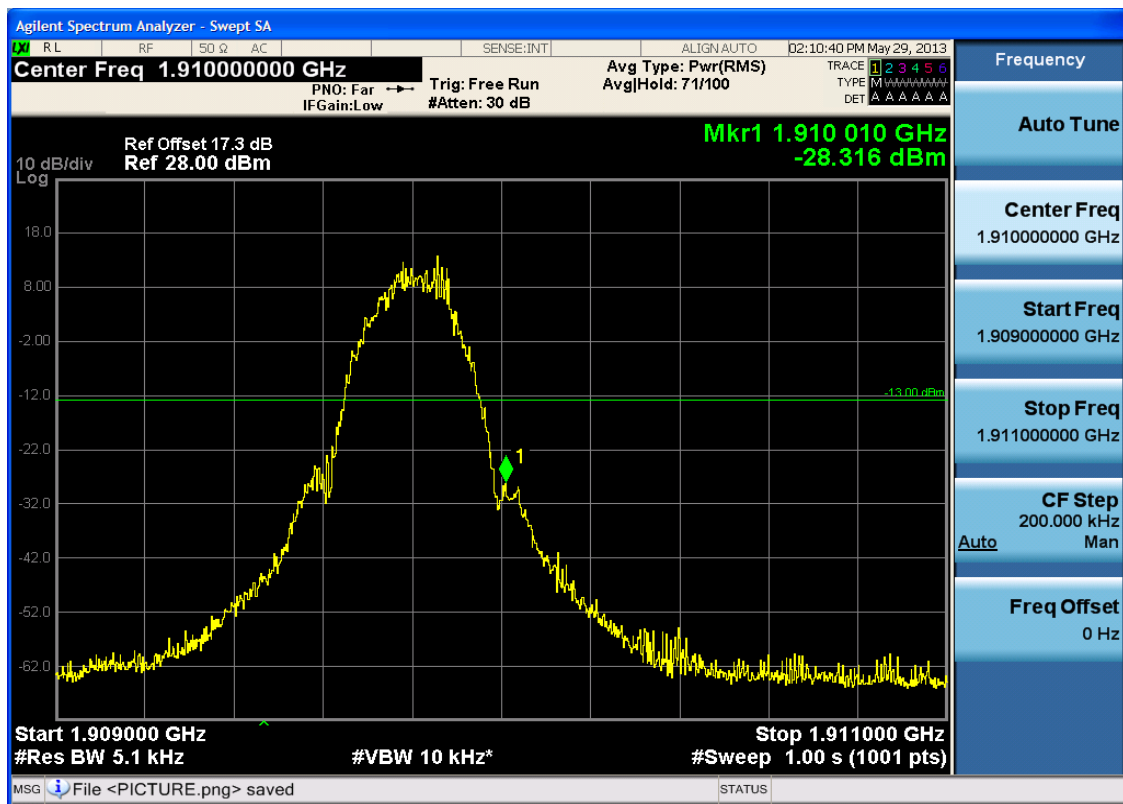
Frequency
 Auto Tune
 Center Freq 1.91000000 GHz
 Start Freq 1.90900000 GHz
 Stop Freq 1.91100000 GHz
 CF Step 200.000 kHz
 Auto Man
 Freq Offset 0 Hz

5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH



5.1.2.2.2 Test Channel = HCH

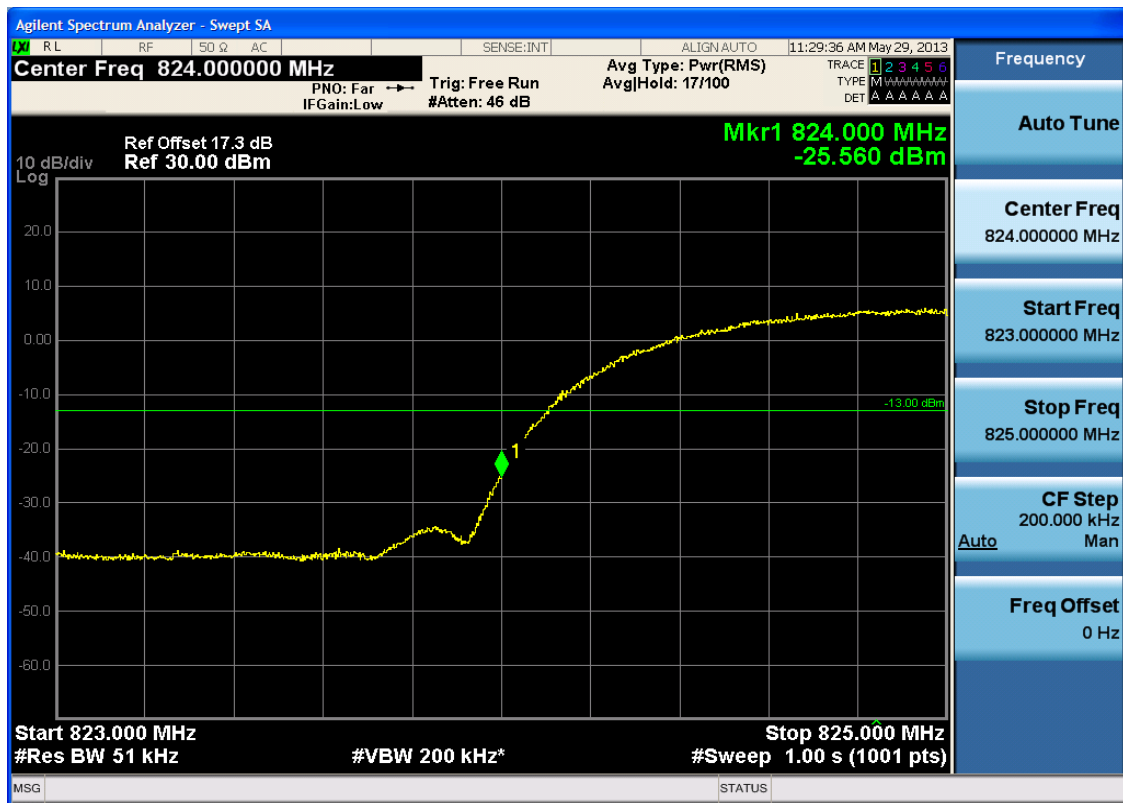


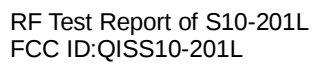
5.2 For UMTS

5.2.1 Test Band = WCDMA850

5.2.1.1 Test Mode = UMTS/TM1

5.2.1.1.1 Test Channel = LCH





Agilent Spectrum Analyzer - Swept SA

☒ R.L. RF 50 Ω AC SENSE:INT ALIGN:AUTO 11:29:58 AM May 29, 2013

Center Freq 849.000000 MHz Avg Type: Pwr(RMS) Avg|Hold: 18/100 PNO: Far → Trig: Free Run IFGain: Low #Atten: 46 dB TRACE 1 2 3 4 5 6 TYPE M DET A A A A A A

Ref Offset 17.3 dB Mkr1 849.000 MHz -24.358 dBm
 Ref 30.00 dBm -13.00 dBm

Start 848.000 MHz Stop 850.000 MHz
 #Res BW 51 kHz #VBW 200 kHz* #Sweep 1.00 s (1001 pts)

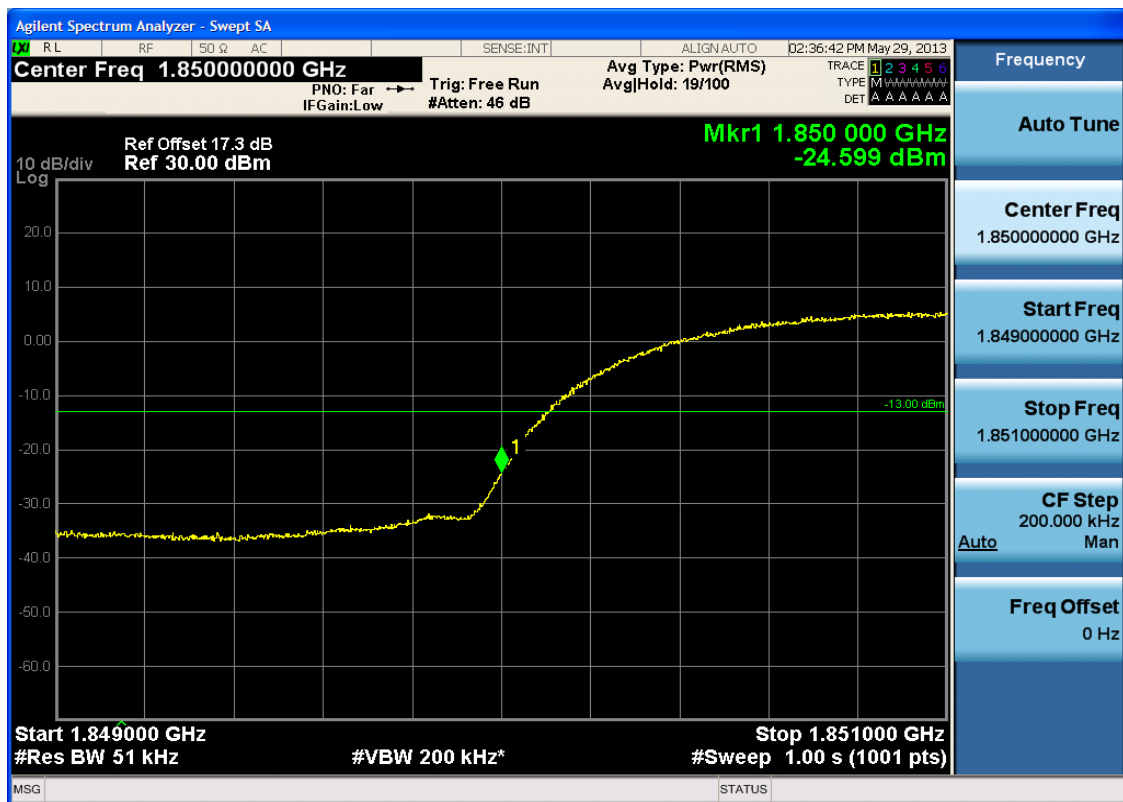
MSG File <PICTURE.png> saved STATUS

Frequency
 Auto Tune
 Center Freq
 849.000000 MHz
 Start Freq
 848.000000 MHz
 Stop Freq
 850.000000 MHz
 CF Step
 200.000 kHz
 Auto Man
 Freq Offset
 0 Hz

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



5.3 For LTE

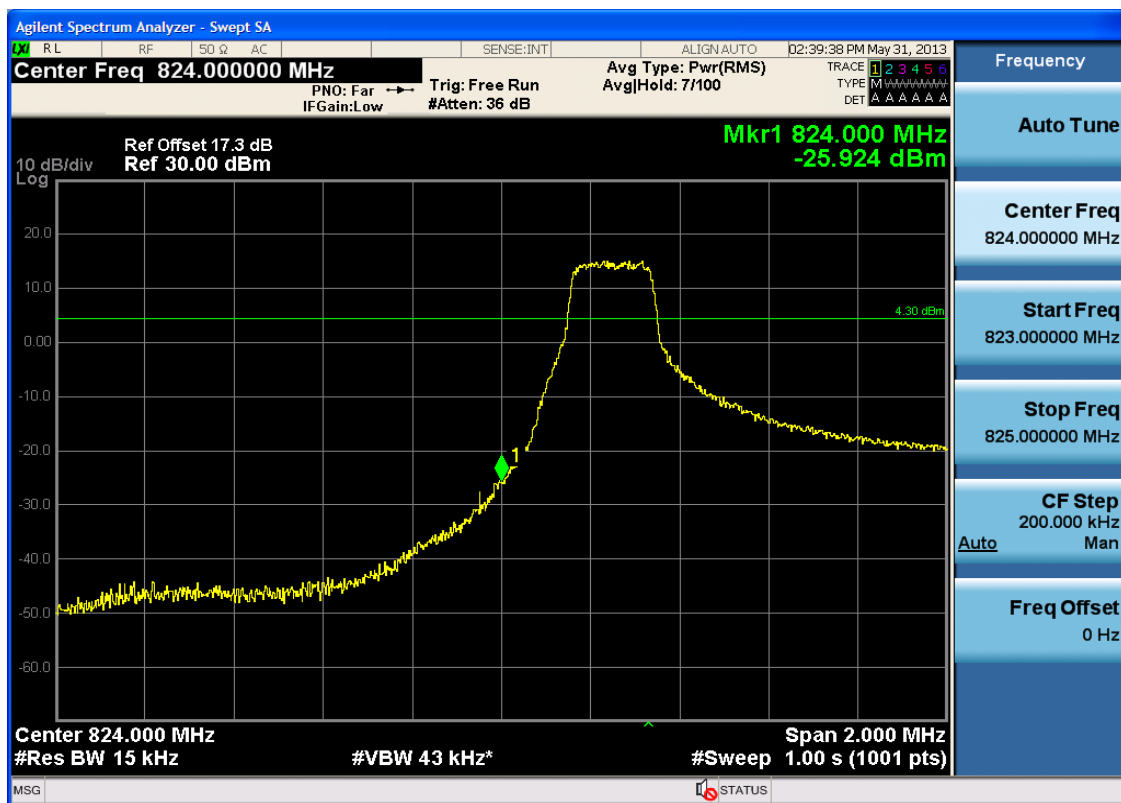
5.3.1 Test Band = BAND5

5.3.1.1 Test Mode = LTE/TM1

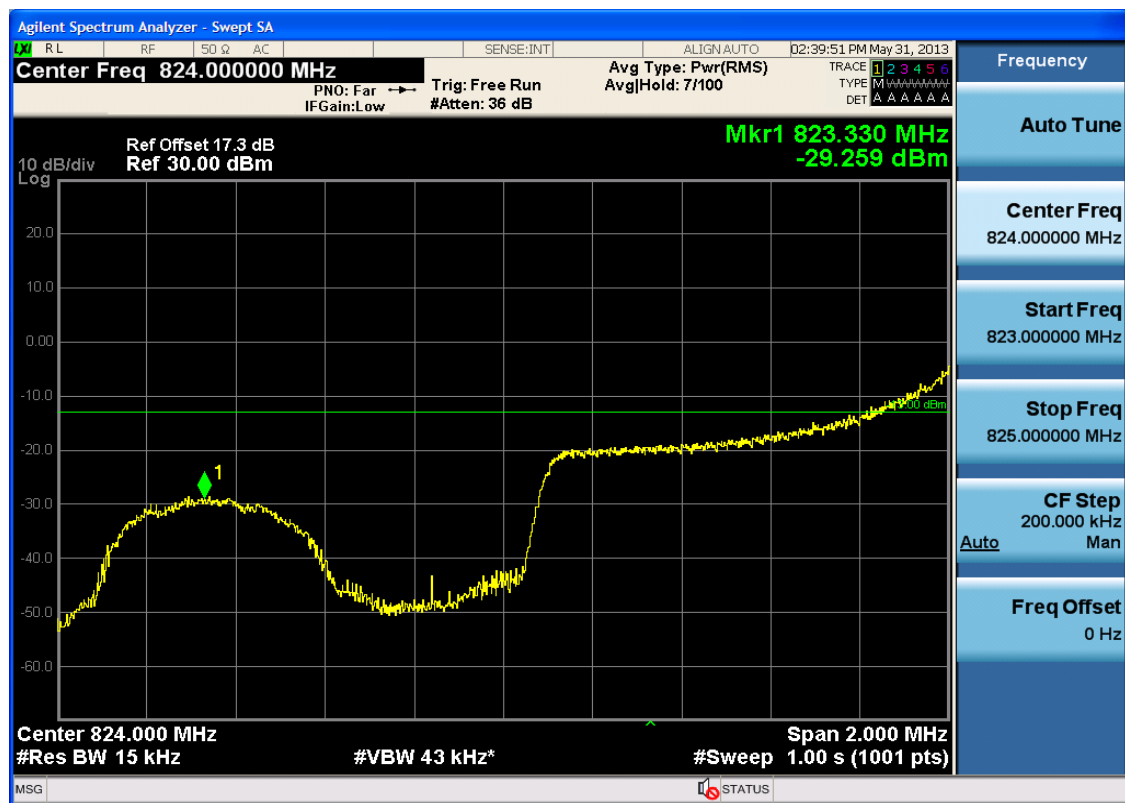
5.3.1.1.1 Test Bandwidth = 1.4

5.3.1.1.1.1 Test Channel = LCH

5.3.1.1.1.1.1 Test RB = RB1#0



5.3.1.1.1.2 Test RB = RB1#5

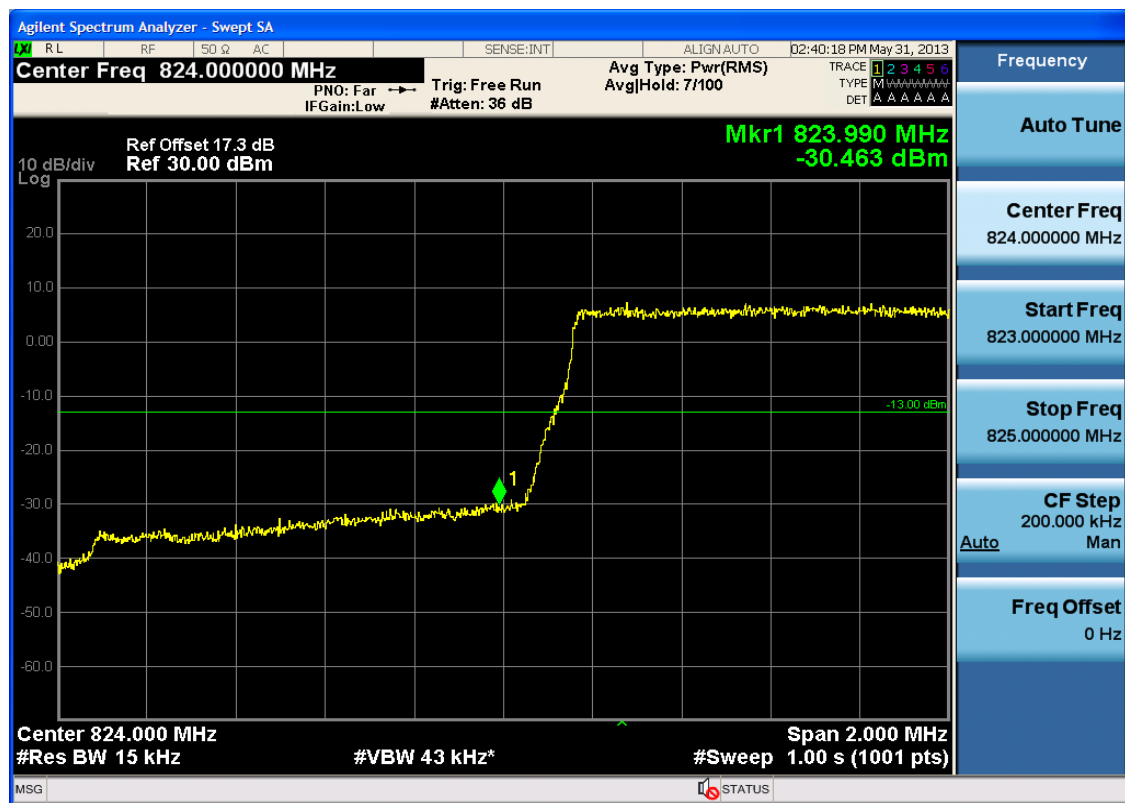


5.3.1.1.1.3 Test RB = RB3#2





5.3.1.1.1.4 Test RB = RB6#0

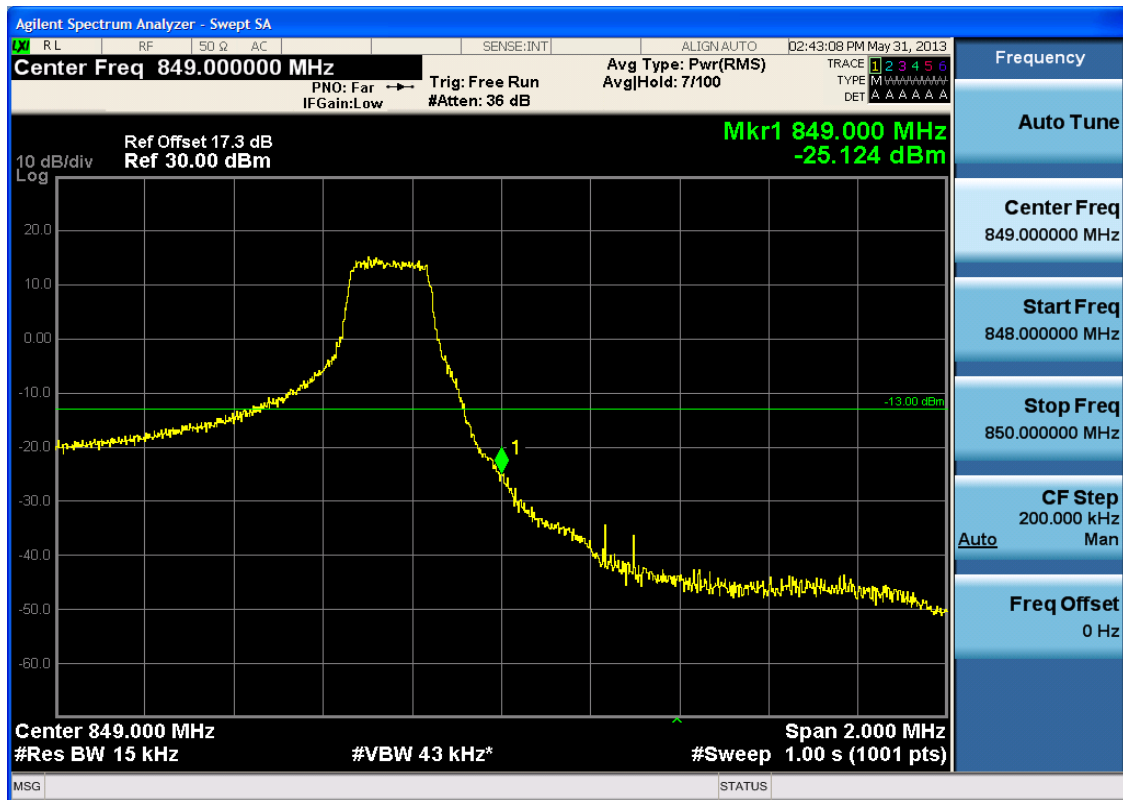


5.3.1.1.1.2 Test Channel = HCH

5.3.1.1.1.2.1 Test RB = RB1#0



5.3.1.1.1.2.2 Test RB = RB1#5



5.3.1.1.1.2.3 Test RB = RB3#2



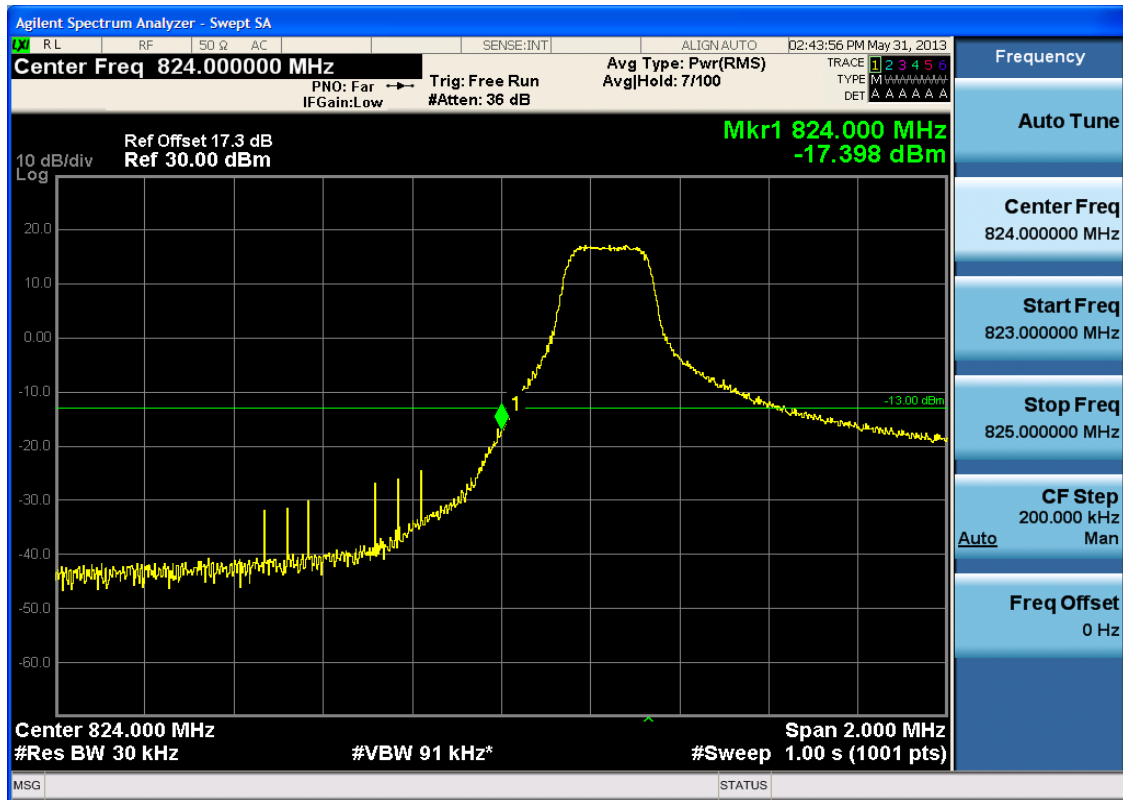
5.3.1.1.1.2.4 Test RB = RB6#0



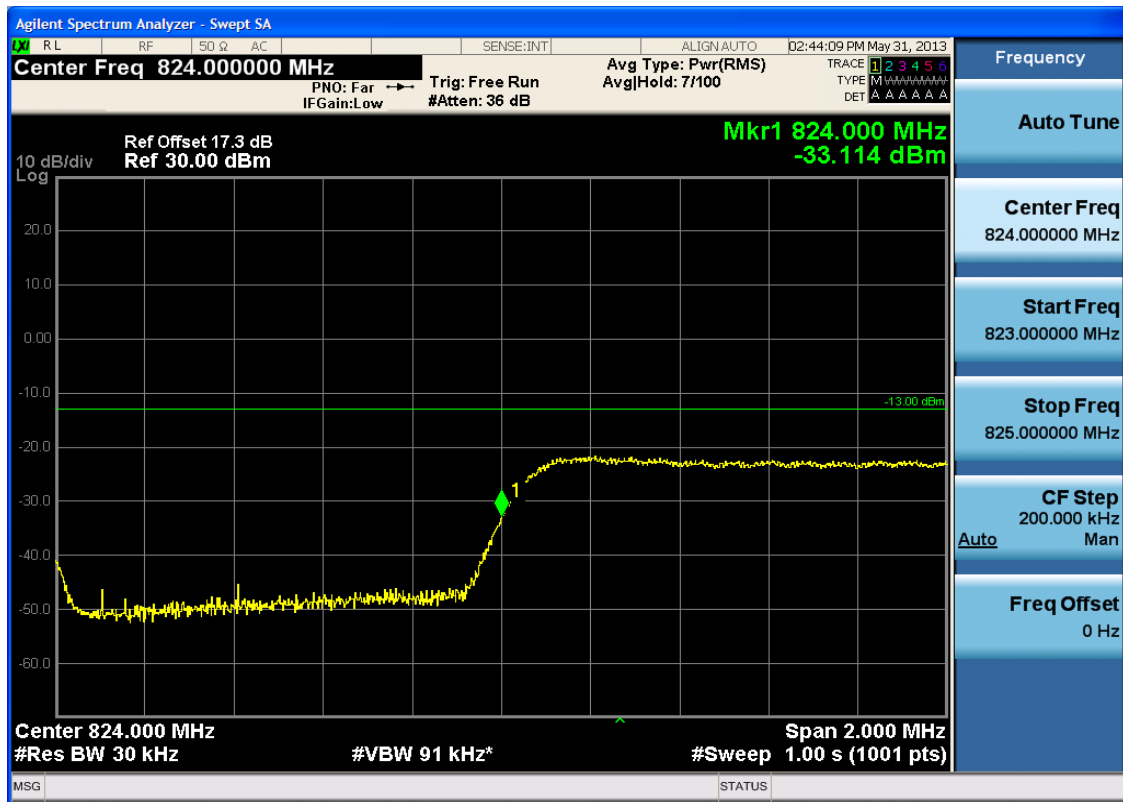
5.3.1.1.2 Test Bandwidth = 3

5.3.1.1.2.1 Test Channel = LCH

5.3.1.1.2.1.1 Test RB = RB1#0

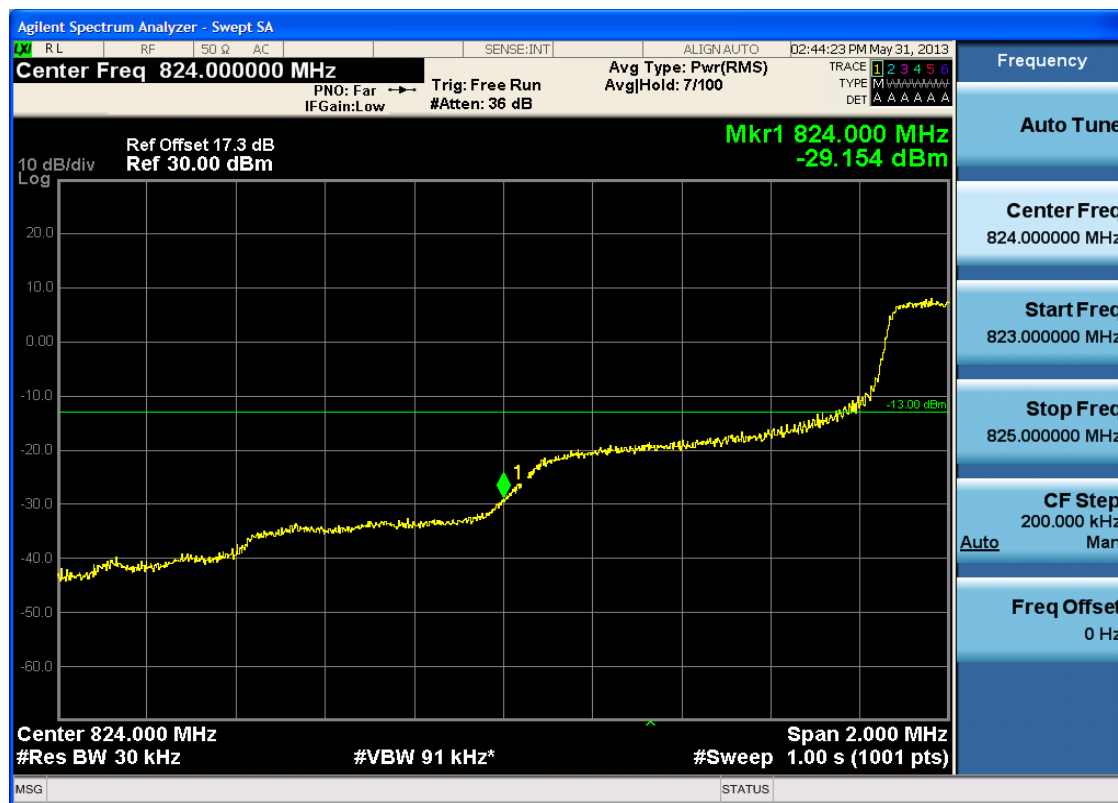


5.3.1.1.2.1.2 Test RB = RB1#14

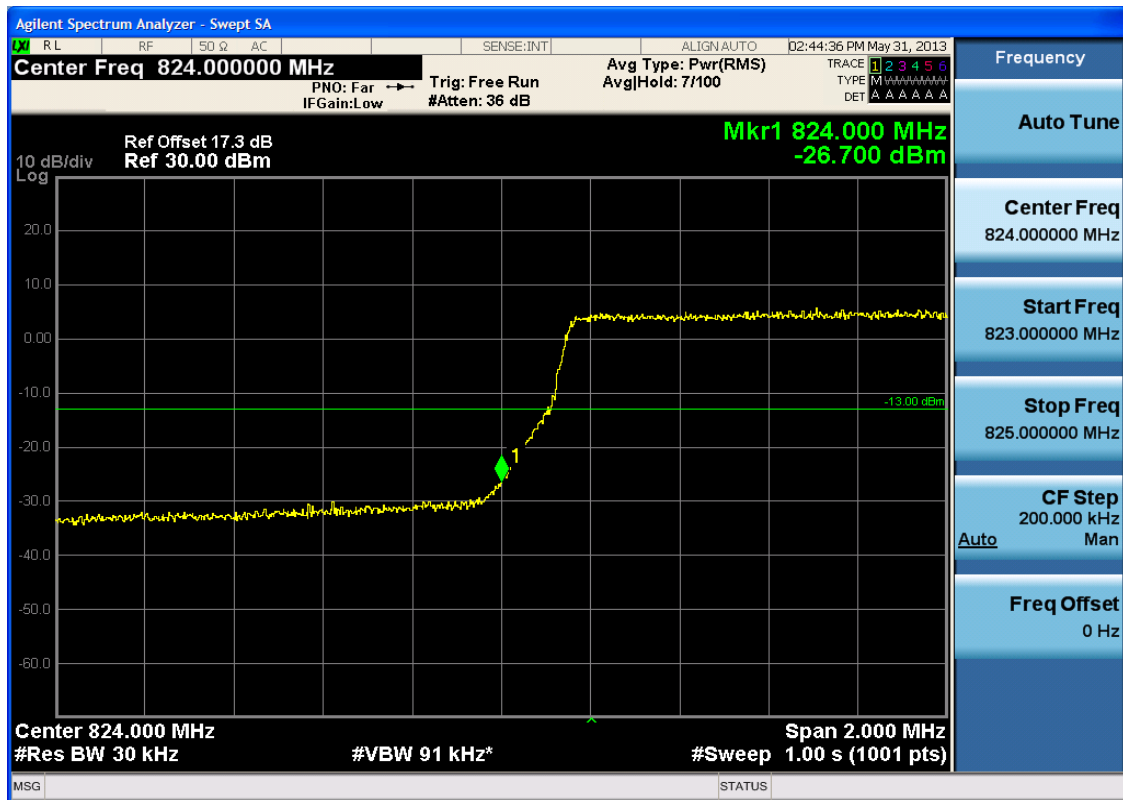




5.3.1.1.2.1.3 Test RB = RB8#4

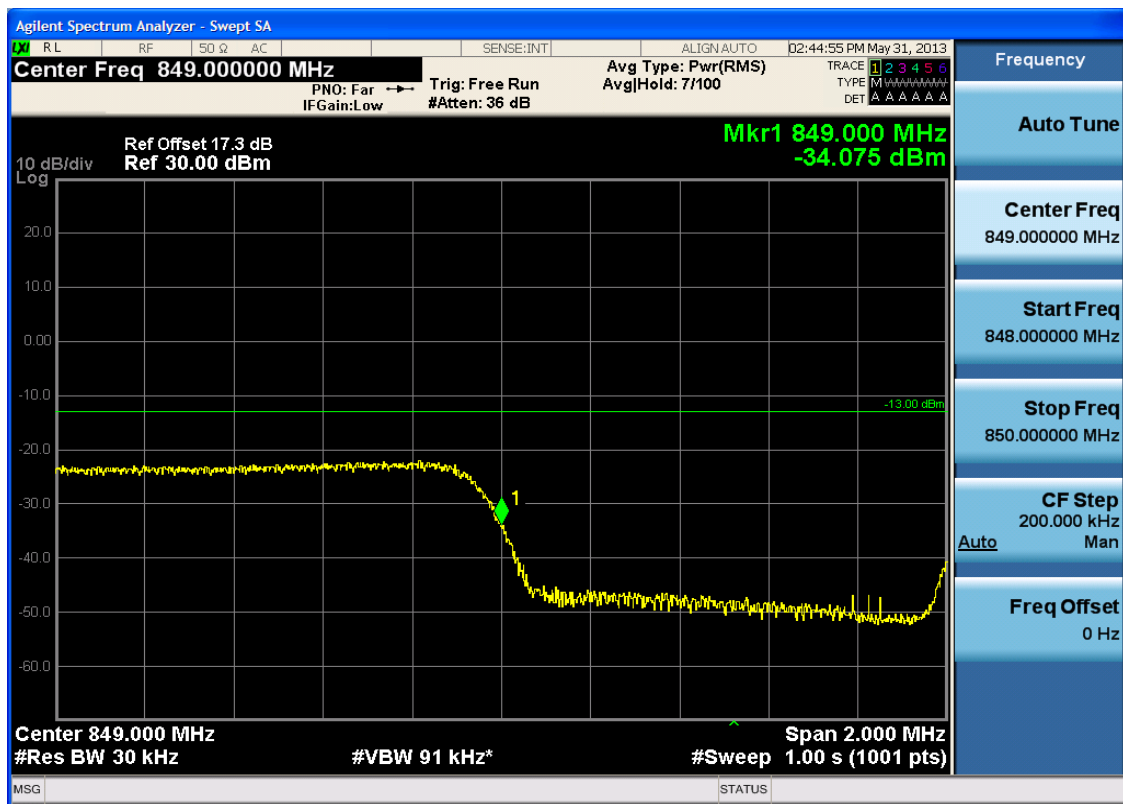


5.3.1.1.2.1.4 Test RB = RB15#0



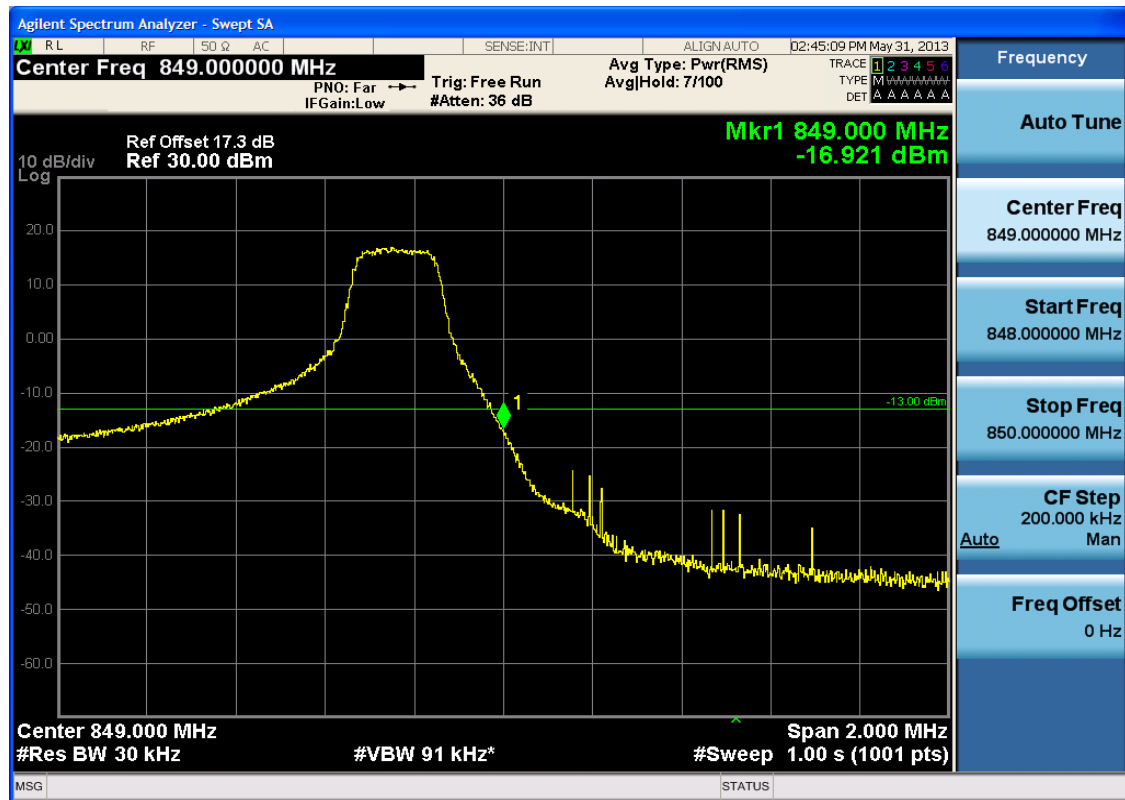
5.3.1.1.2.2 Test Channel = HCH

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



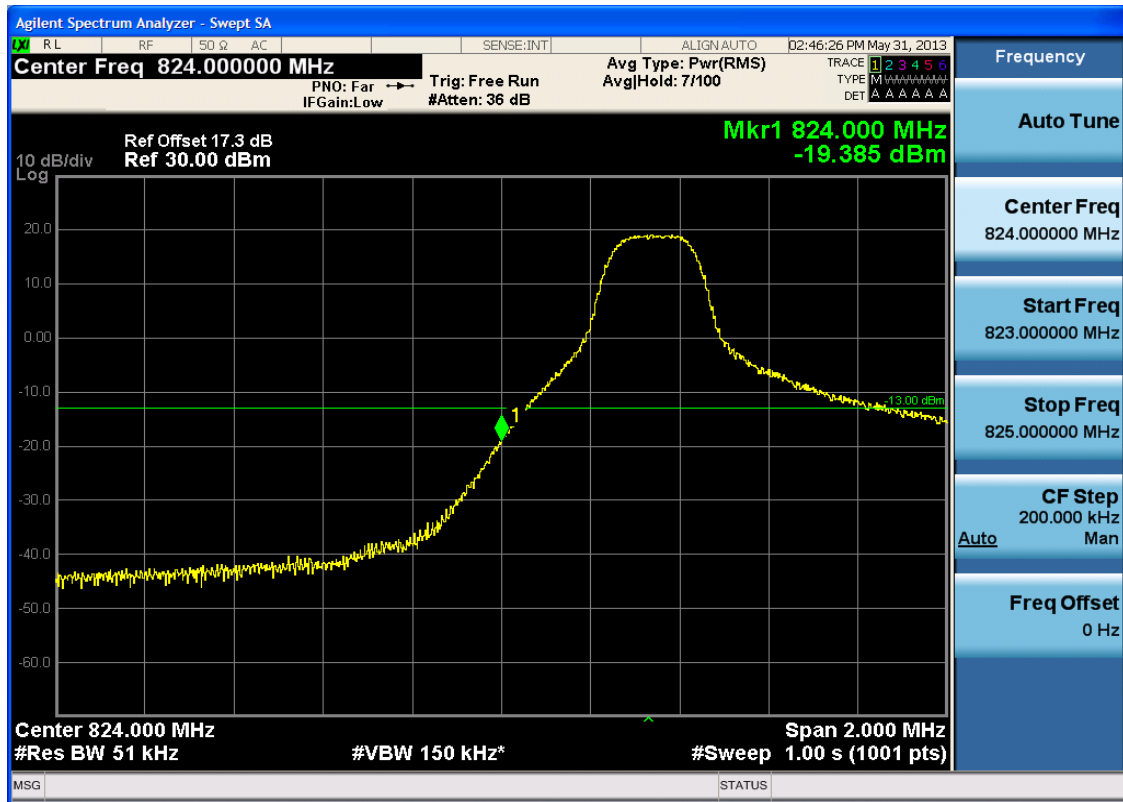
5.3.1.1.2.2.4 Test RB = RB15#0



5.3.1.1.3 Test Bandwidth = 5

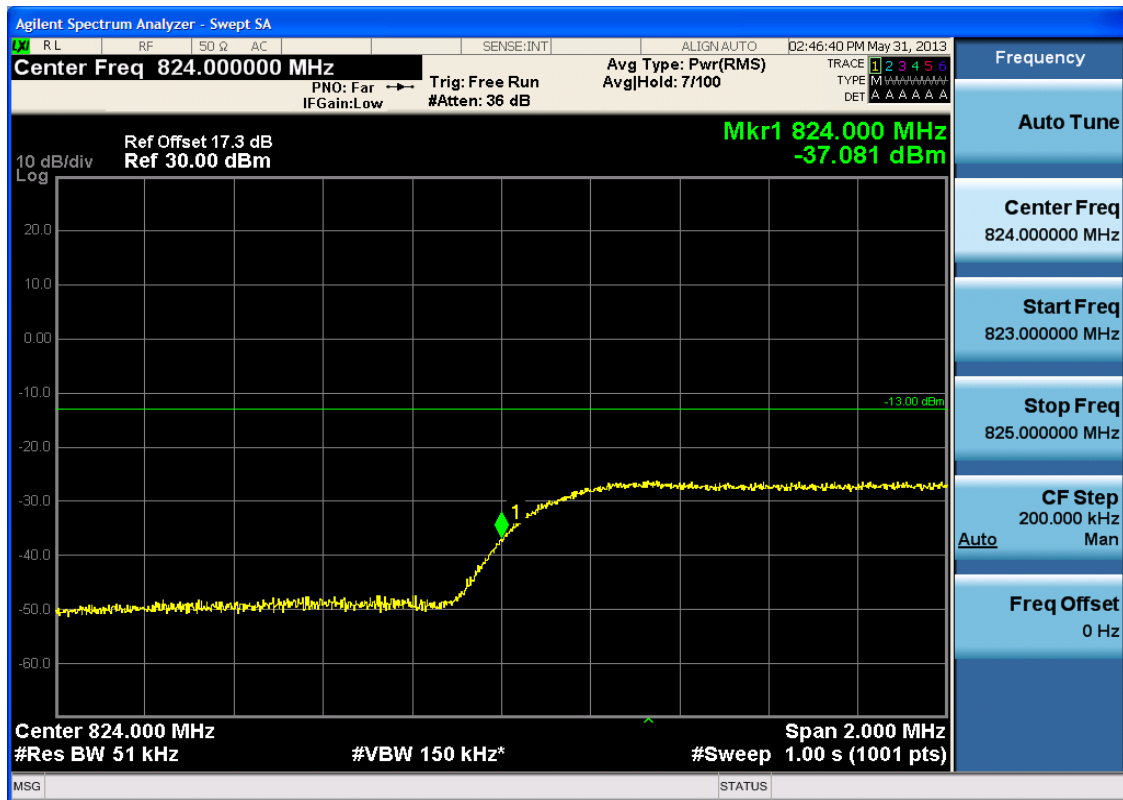
5.3.1.1.3.1 Test Channel = LCH

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

