SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
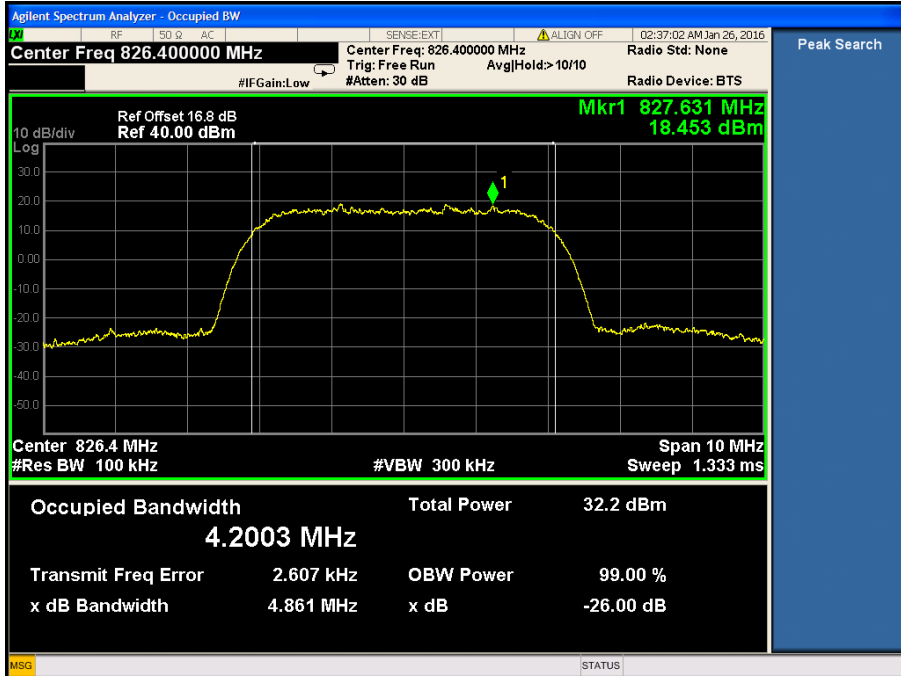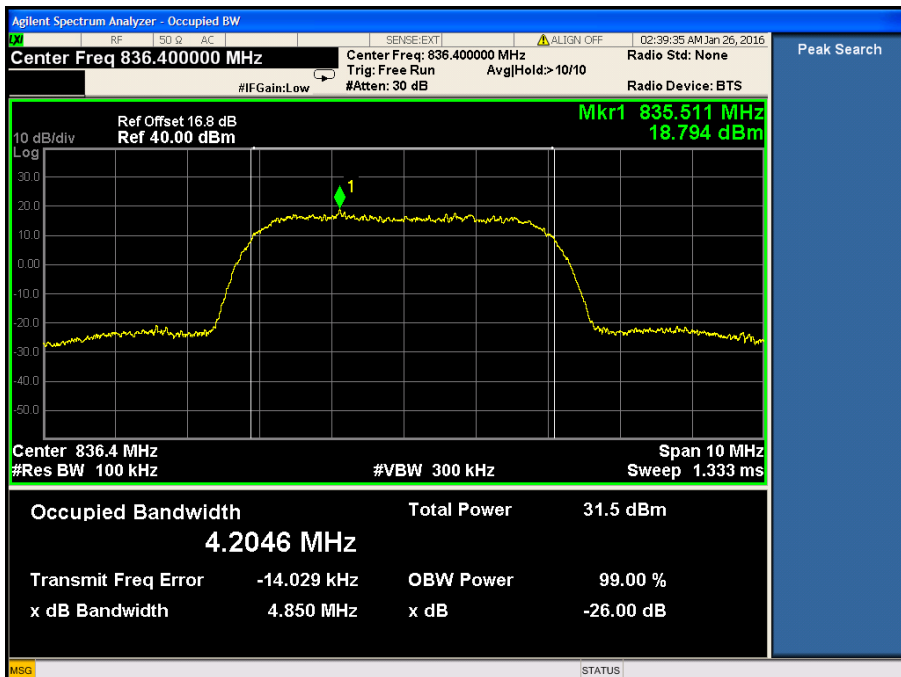
4.2 For WCDMA

4.2.1 Test Band = WCDMA850

4.2.1.1   Test Mode = UMTS/TM1
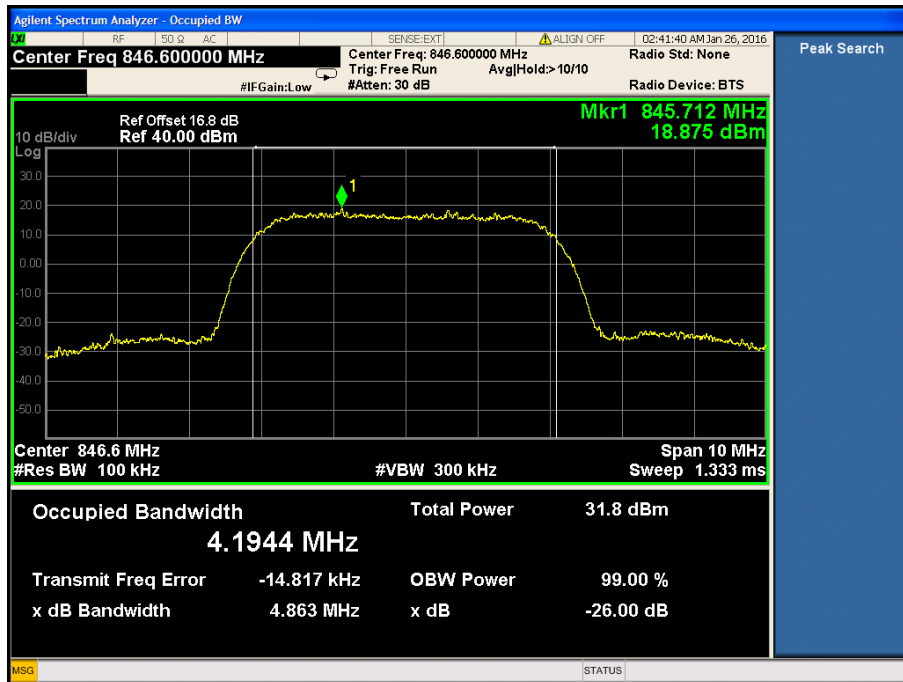
4.2.1.1.1 Test Channel = LCH
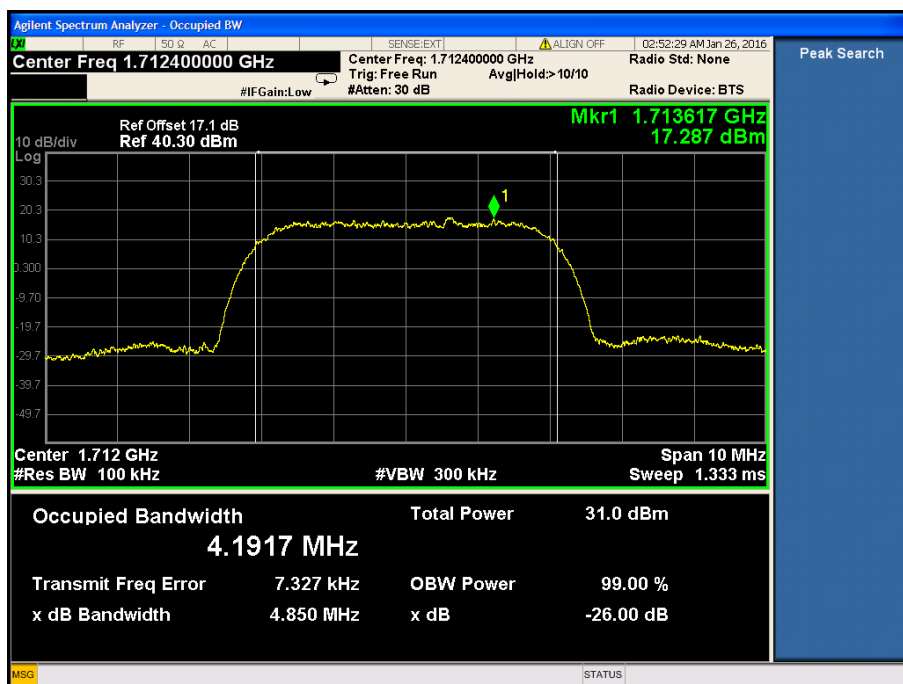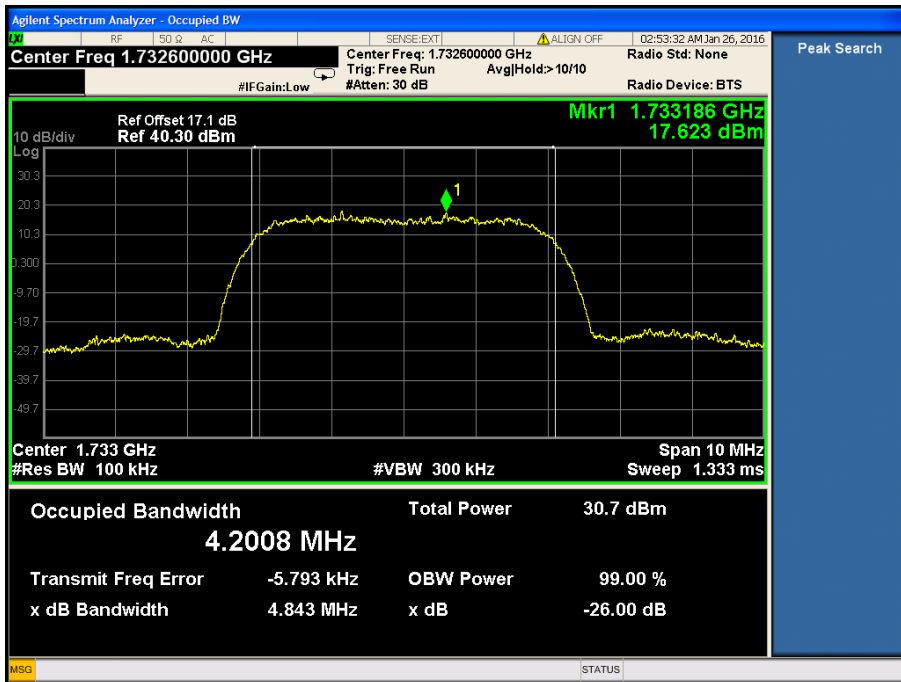

4.2.1.1.2 Test Channel = MCH

4.2.1.1.3 Test Channel = HCH

```
Agilent Spectrum Analyzer - Occupied BW
RF    50 Ω   AC                        SENSE:EXT          ⚠ ALIGN OFF   02:41:40 AM Jan 26, 2016    Peak Search
Center Freq 846.600000 MHz             Center Freq: 846.600000 MHz     Radio Std: None
                                       Trig: Free Run    Avg|Hold:>10/10
                       #IFGain:Low     #Atten: 30 dB                   Radio Device: BTS

           Ref Offset 16.8 dB                                          Mkr1  845.712 MHz
10 dB/div  Ref 40.00 dBm                                                     18.875 dBm
Log
    30.0
    20.0
    10.0
    0.00
   -10.0
   -20.0
   -30.0
   -40.0
   -50.0

Center  846.6 MHz                                                     Span 10 MHz
#Res BW  100 kHz               #VBW  300 kHz                          Sweep  1.333 ms

Occupied Bandwidth              Total Power        31.8 dBm
           4.1944 MHz
Transmit Freq Error    -14.817 kHz    OBW Power       99.00 %
x dB Bandwidth          4.863 MHz     x dB            -26.00 dB

MSG                                                STATUS
```

4.2.2 Test Band = WCDMA1700

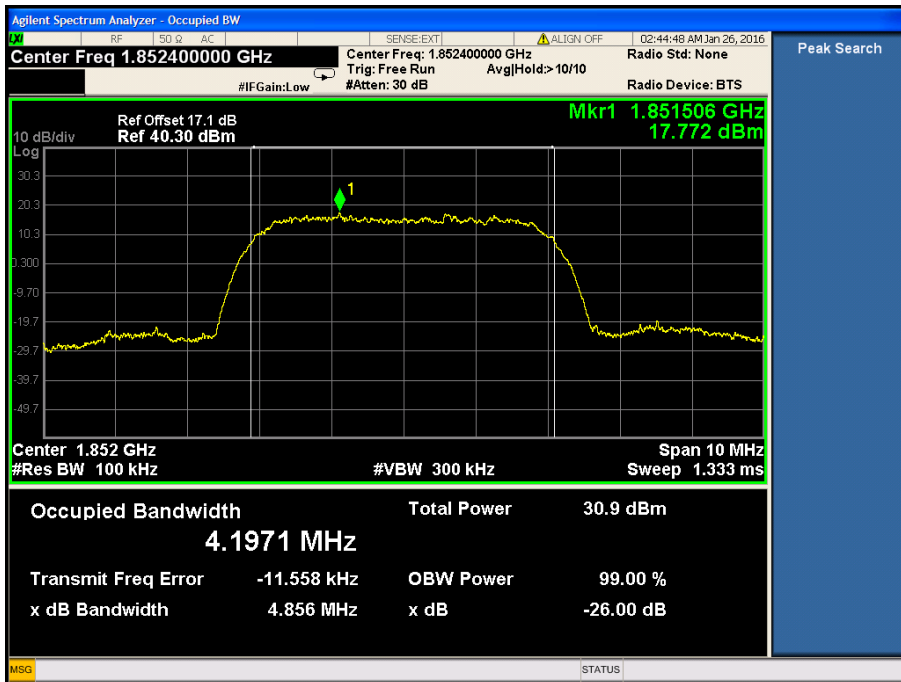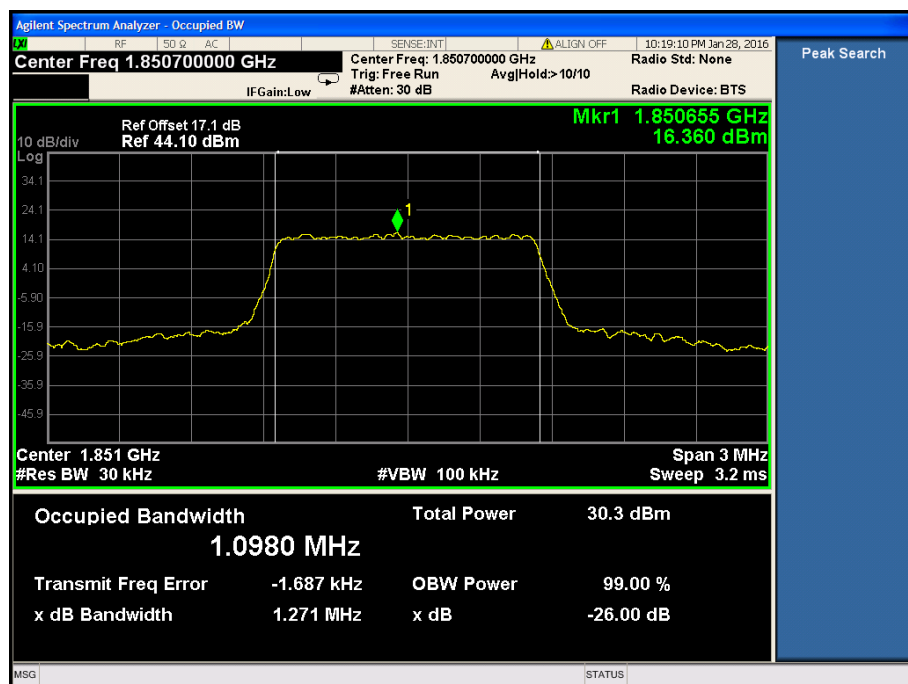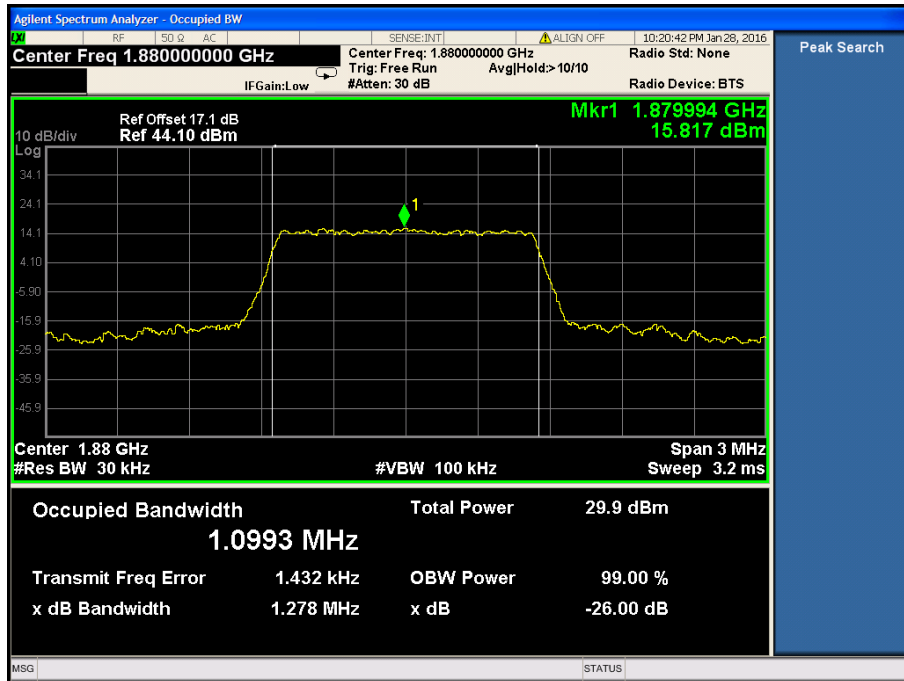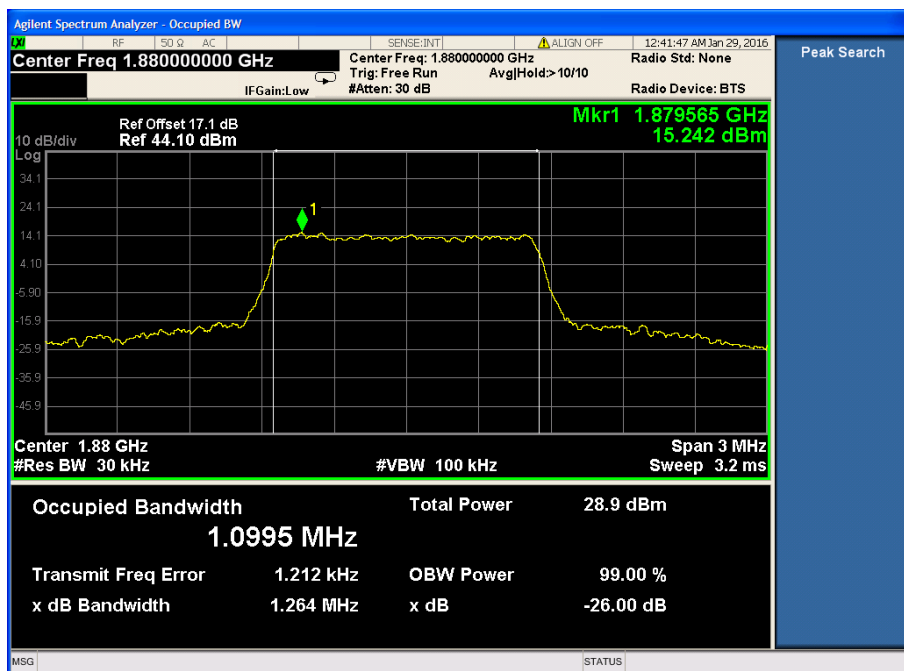### 4.2.2.1   Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH

```
Agilent Spectrum Analyzer - Occupied BW
RF    50 Ω   AC                        SENSE:EXT          ⚠ ALIGN OFF   02:52:29 AM Jan 26, 2016    Peak Search
Center Freq 1.712400000 GHz            Center Freq: 1.712400000 GHz    Radio Std: None
                                       Trig: Free Run    Avg|Hold:>10/10
                       #IFGain:Low     #Atten: 30 dB                   Radio Device: BTS

           Ref Offset 17.1 dB                                          Mkr1  1.713617 GHz
10 dB/div  Ref 40.30 dBm                                                     17.287 dBm
Log
    30.3
    20.3
    10.3
    0.300
   -9.70
   -19.7
   -29.7
   -39.7
   -49.7

Center  1.712 GHz                                                     Span 10 MHz
#Res BW  100 kHz               #VBW  300 kHz                          Sweep  1.333 ms

Occupied Bandwidth              Total Power        31.0 dBm
           4.1917 MHz
Transmit Freq Error    7.327 kHz      OBW Power       99.00 %
x dB Bandwidth          4.850 MHz     x dB            -26.00 dB

MSG                                                STATUS
```

4.2.2.1.2 Test Channel = MCH

Occupied Bandwidth		Total Power	30.7 dBm
4.2008 MHz			
Transmit Freq Error	-5.793 kHz	OBW Power	99.00 %
x dB Bandwidth	4.843 MHz	x dB	-26.00 dB

4.2.2.1.3 Test Channel = HCH

Occupied Bandwidth		Total Power	30.6 dBm
4.2117 MHz			
Transmit Freq Error	-18.248 kHz	OBW Power	99.00 %
x dB Bandwidth	4.871 MHz	x dB	-26.00 dB

4.2.3 Test Band = WCDMA1900

4.2.3.1   Test Mode = UMTS/TM1

4.2.3.1.1 Test Channel = LCH

4.2.3.1.2 Test Channel = MCH
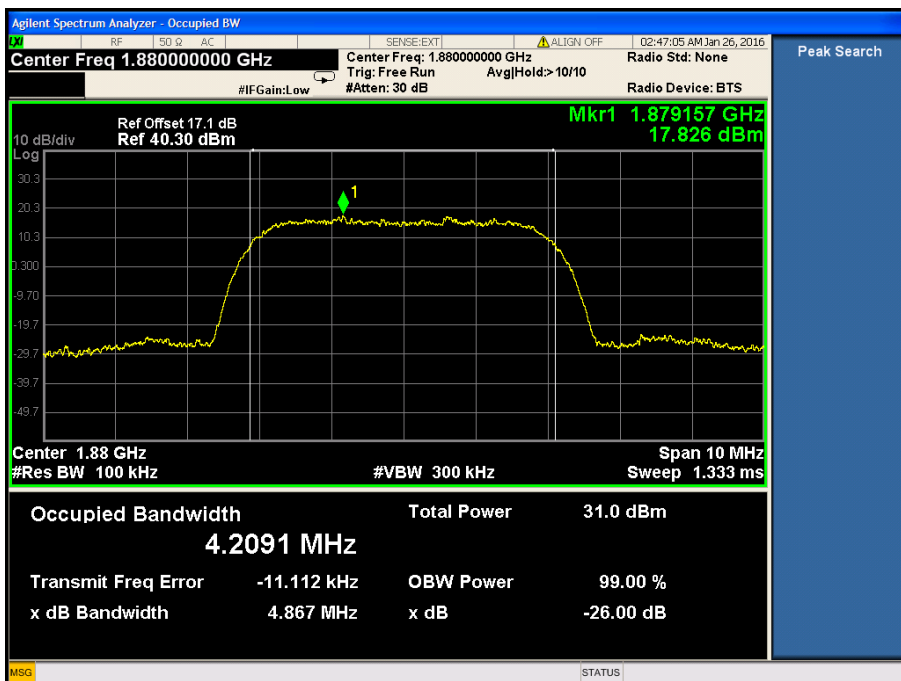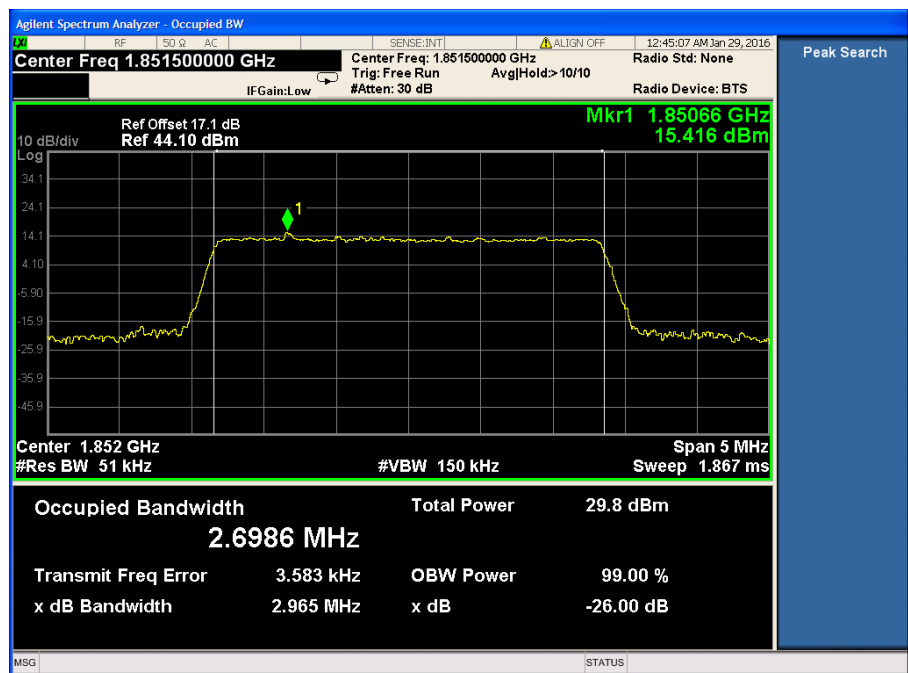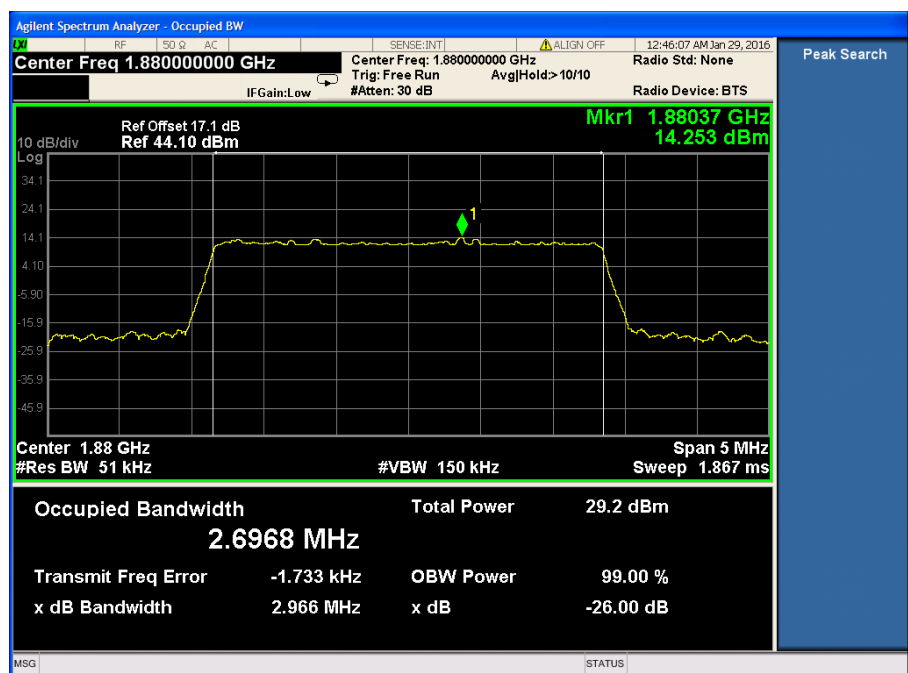
4.2.3.1.3 Test Channel = HCH
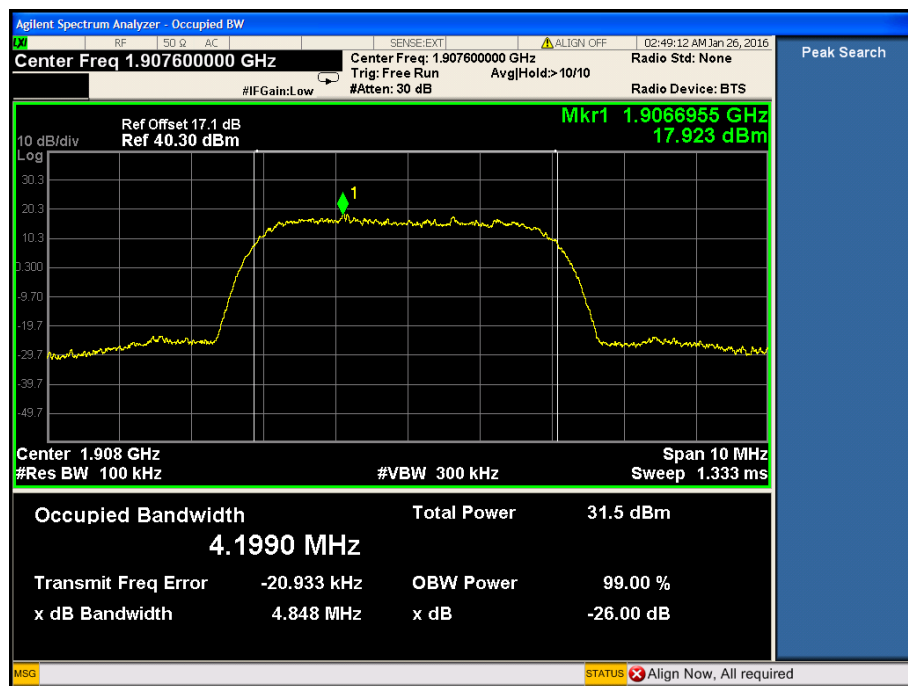
4.3 For LTE
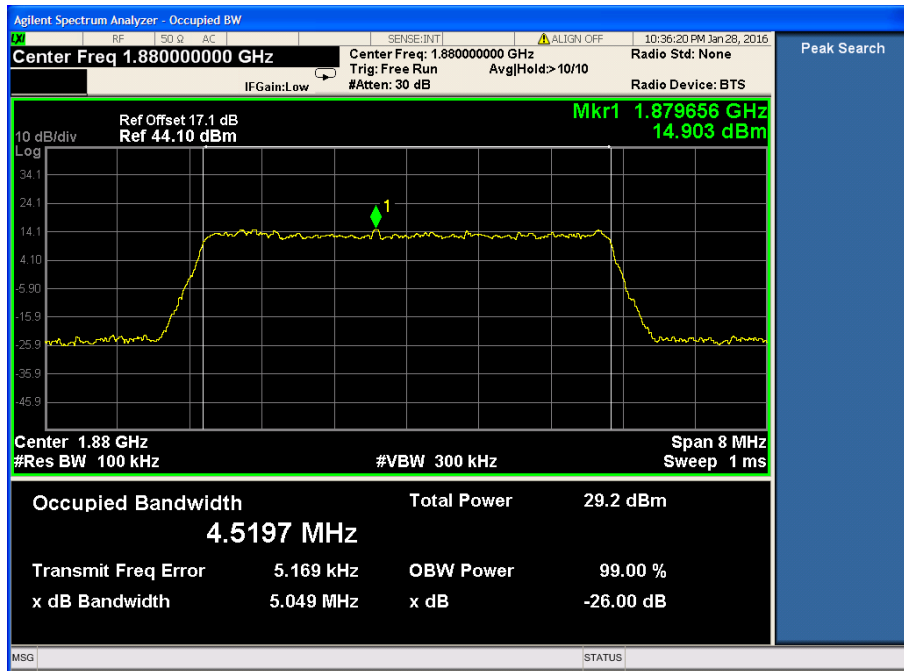
4.3.1 Test Band = LTE Band 2

4.3.1.1   Test Mode = LTE/TM1 1.4MHz

4.3.1.1.1 Test Channel = LCH

4.3.1.1.2 Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW

| | RF | 50 Ω | AC | | | SENSE:INT | | ALIGN OFF | 10:20:42 PM Jan 28, 2016 |

Center Freq 1.880000000 GHz
Center Freq: 1.880000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10
IFGain:Low   #Atten: 30 dB   Radio Device: BTS

Peak Search

Ref Offset 17.1 dB
10 dB/div   Ref 44.10 dBm
Log

Mkr1 1.879994 GHz
15.817 dBm

34.1
24.1
14.1
4.10
-5.90
-15.9
-25.9
-35.9
-45.9

Center 1.88 GHz   Span 3 MHz
#Res BW 30 kHz   #VBW 100 kHz   Sweep 3.2 ms

Occupied Bandwidth		Total Power	29.9 dBm
1.0993 MHz			
Transmit Freq Error	1.432 kHz	OBW Power	99.00 %
x dB Bandwidth	1.278 MHz	x dB	-26.00 dB

MSG   STATUS

4.3.1.1.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW

| | RF | 50 Ω | AC | | | SENSE:INT | | ALIGN OFF | 10:21:47 PM Jan 28, 2016 |

Center Freq 1.909300000 GHz
Center Freq: 1.909300000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10
IFGain:Low   #Atten: 30 dB   Radio Device: BTS

Peak Search

Ref Offset 17.1 dB
10 dB/div   Ref 44.10 dBm
Log

Mkr1 1.908949 GHz
17.023 dBm

34.1
24.1
14.1
4.10
-5.90
-15.9
-25.9
-35.9
-45.9

Center 1.909 GHz   Span 3 MHz
#Res BW 30 kHz   #VBW 100 kHz   Sweep 3.2 ms

Occupied Bandwidth		Total Power	30.8 dBm
1.1058 MHz			
Transmit Freq Error	-1.068 kHz	OBW Power	99.00 %
x dB Bandwidth	1.270 MHz	x dB	-26.00 dB

MSG   STATUS

4.3.1.2   Test Mode = LTE/TM2 1.4MHz

4.3.1.2.1 Test Channel = LCH
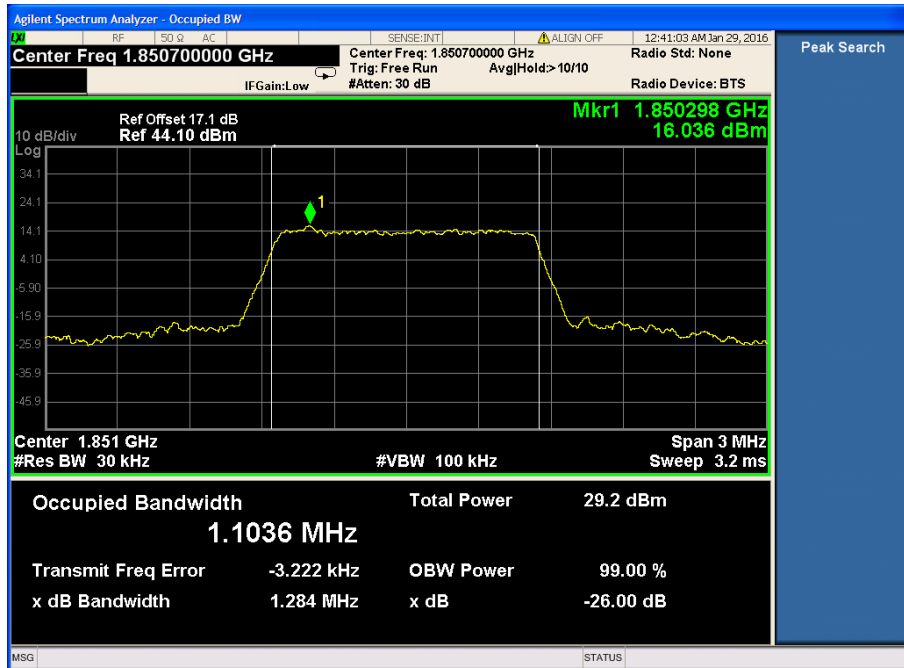
4.3.1.2.2 Test Channel = MCH

4.3.1.2.3 Test Channel = HCH
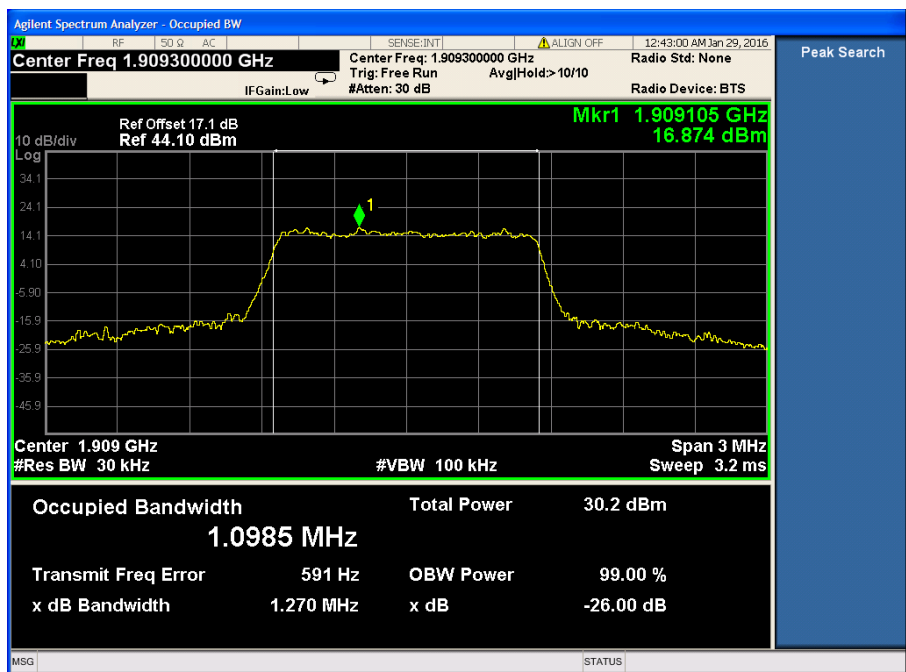
4.3.1.3　Test Mode = LTE/TM1 3MHz

4.3.1.3.1　Test Channel = LCH
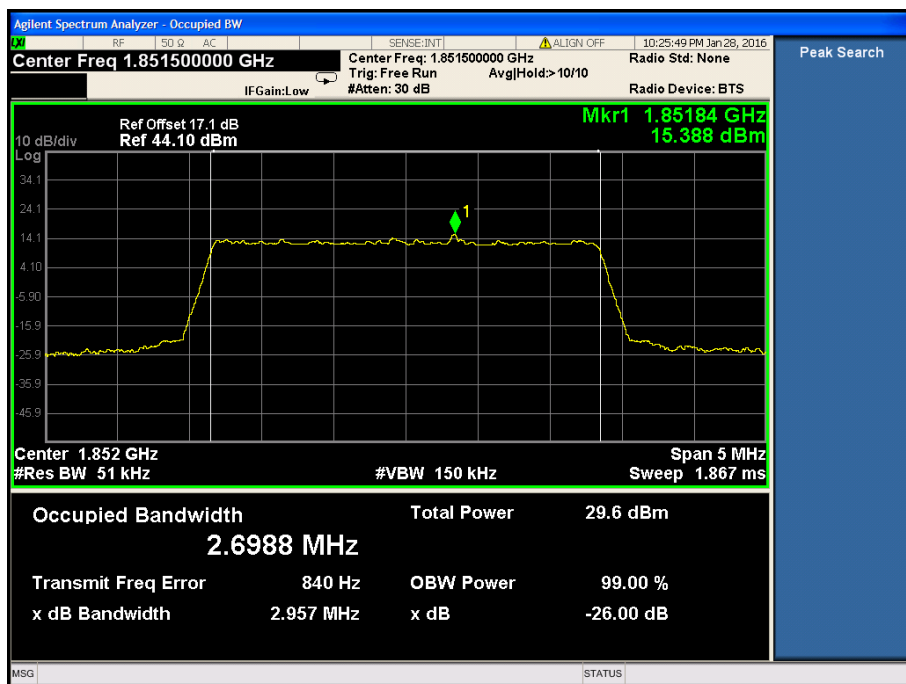
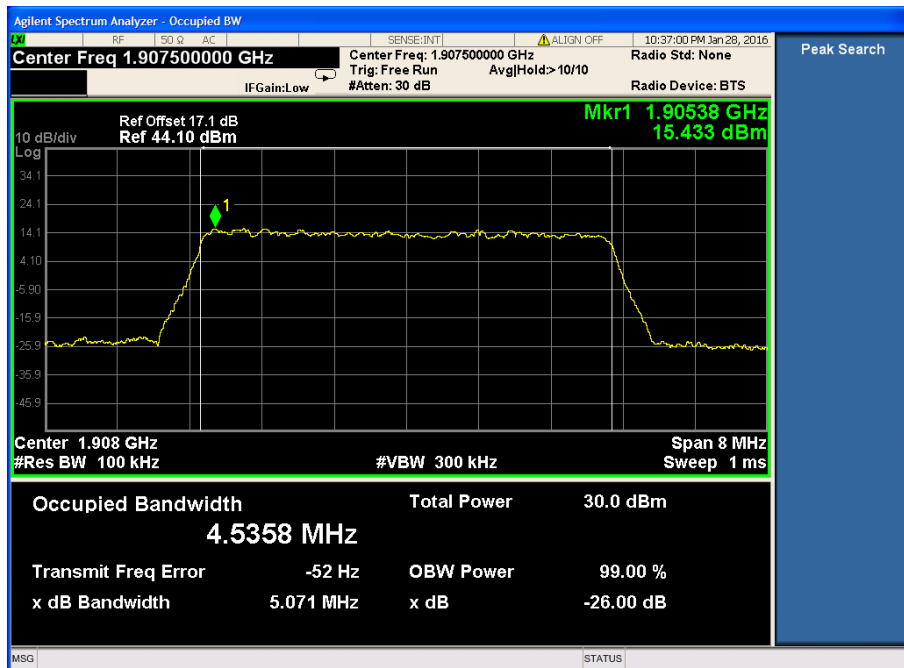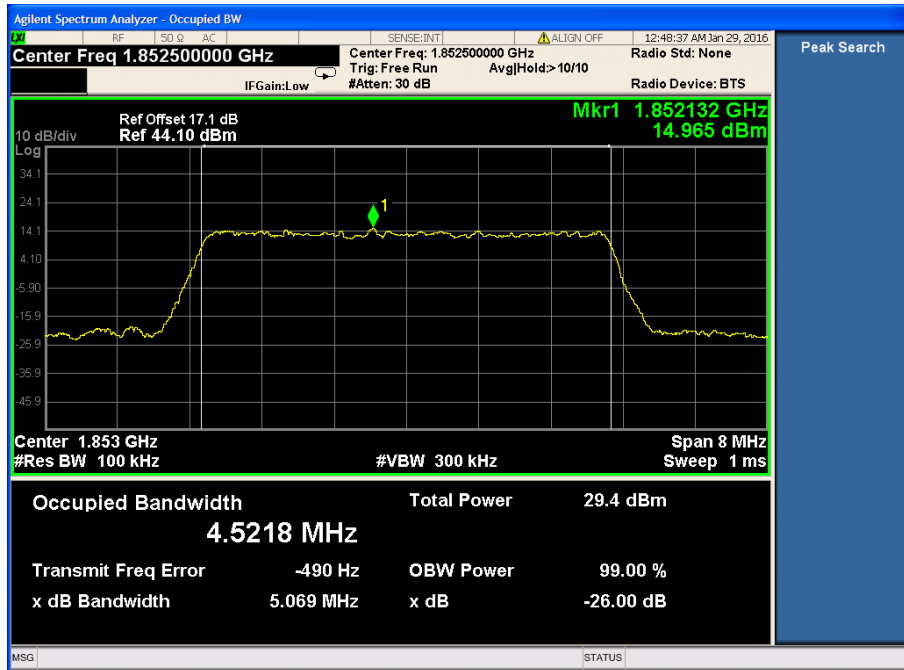### 4.3.1.3.2 Test Channel = MCH
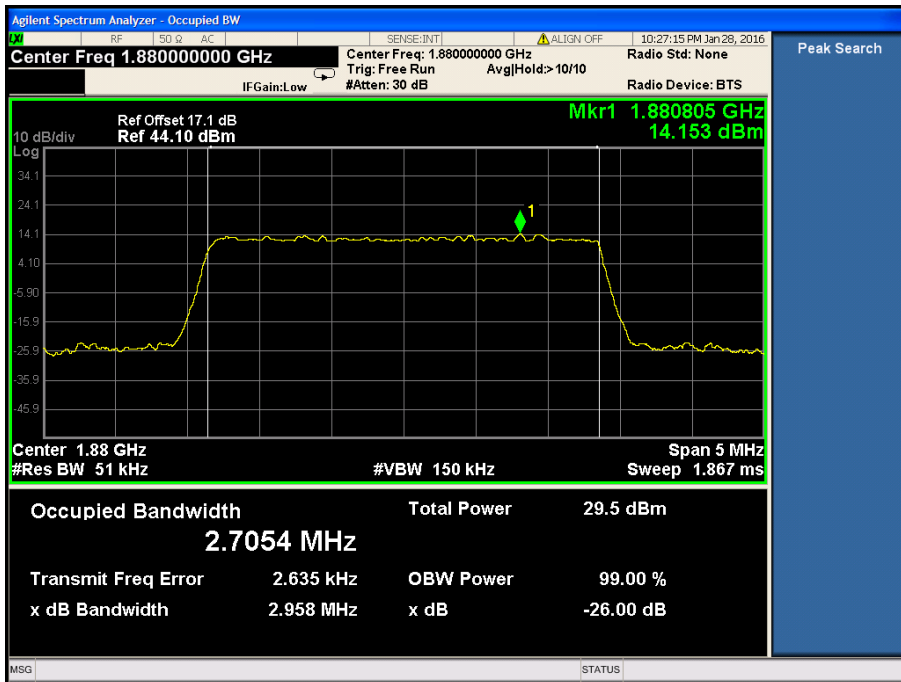
4.3.1.3.3 Test Channel = HCH
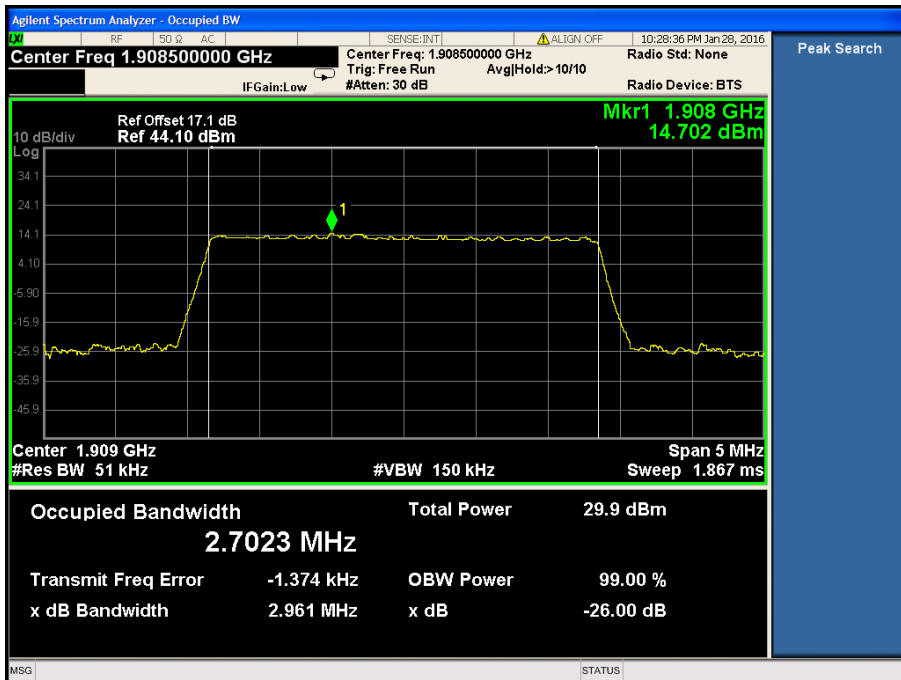
4.3.1.4   Test Mode = LTE/TM2 3MHz

4.3.1.4.1 Test Channel = LCH

4.3.1.4.2 Test Channel = MCH

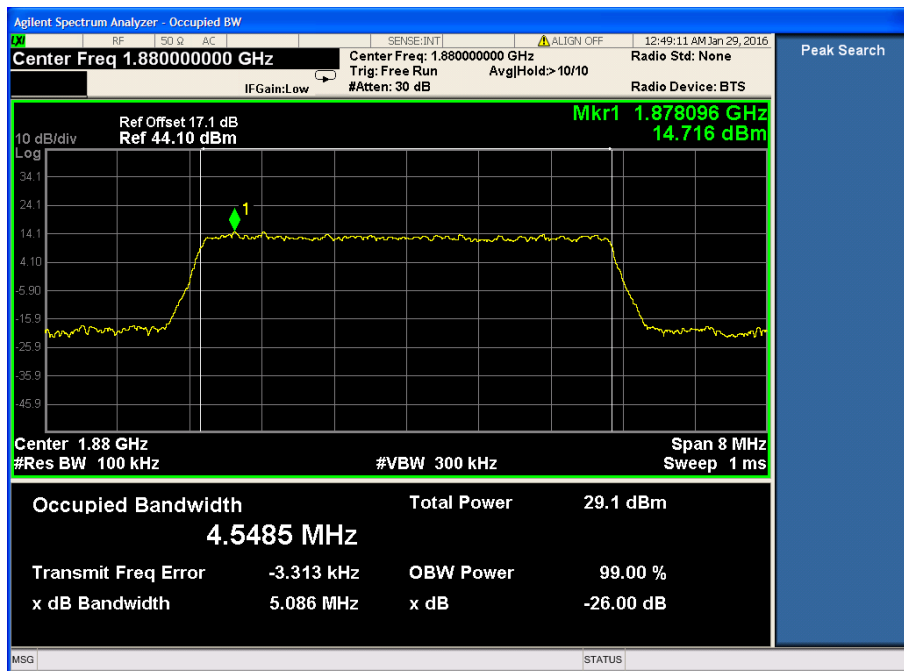# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

4.3.1.4.3 Test Channel = HCH
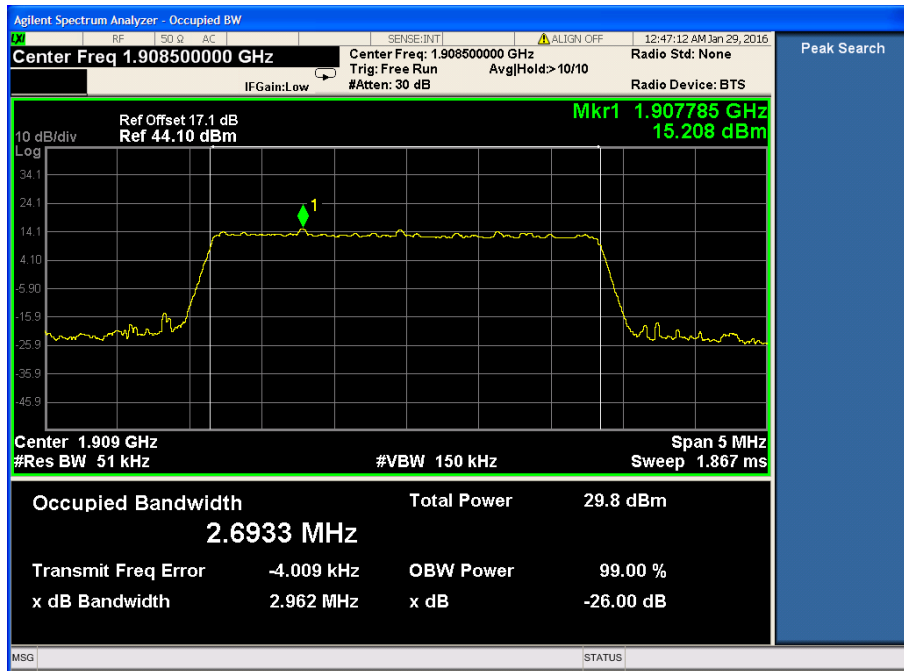
4.3.1.5   Test Mode = LTE/TM1 5MHz

4.3.1.5.1 Test Channel = LCH

4.3.1.5.2 Test Channel = MCH

Occupied Bandwidth		Total Power	29.2 dBm
4.5197 MHz			
Transmit Freq Error	5.169 kHz	OBW Power	99.00 %
x dB Bandwidth	5.049 MHz	x dB	-26.00 dB
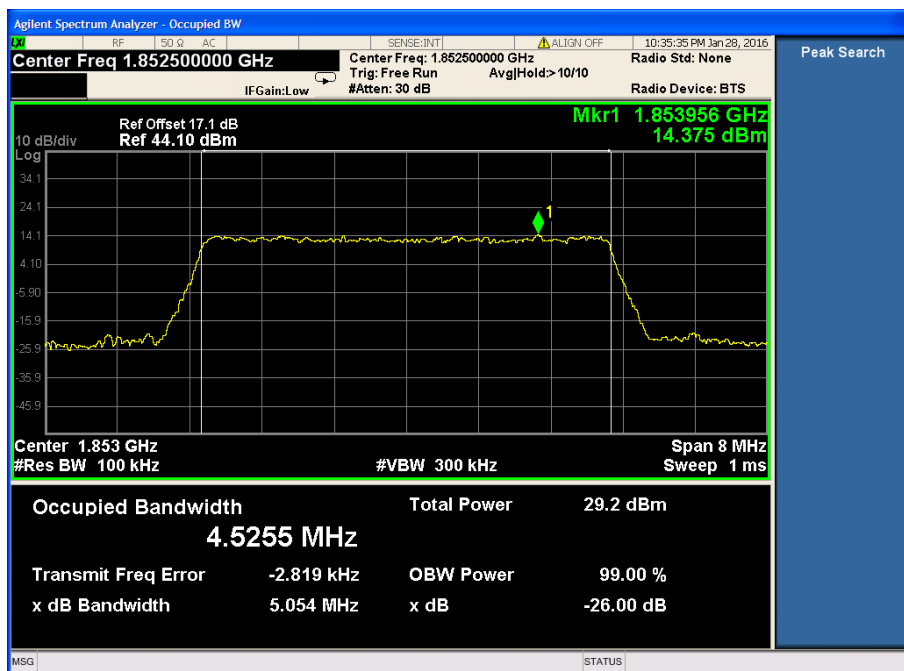
4.3.1.5.3 Test Channel = HCH

Occupied Bandwidth		Total Power	30.0 dBm
4.5358 MHz			
Transmit Freq Error	-52 Hz	OBW Power	99.00 %
x dB Bandwidth	5.071 MHz	x dB	-26.00 dB

4.3.1.6   Test Mode = LTE/TM2 5MHz

4.3.1.6.1 Test Channel = LCH

4.3.1.6.2 Test Channel = MCH

4.3.1.6.3 Test Channel = HCH

4.3.1.7 Test Mode = LTE/TM1 10MHz

4.3.1.7.1 Test Channel = LCH
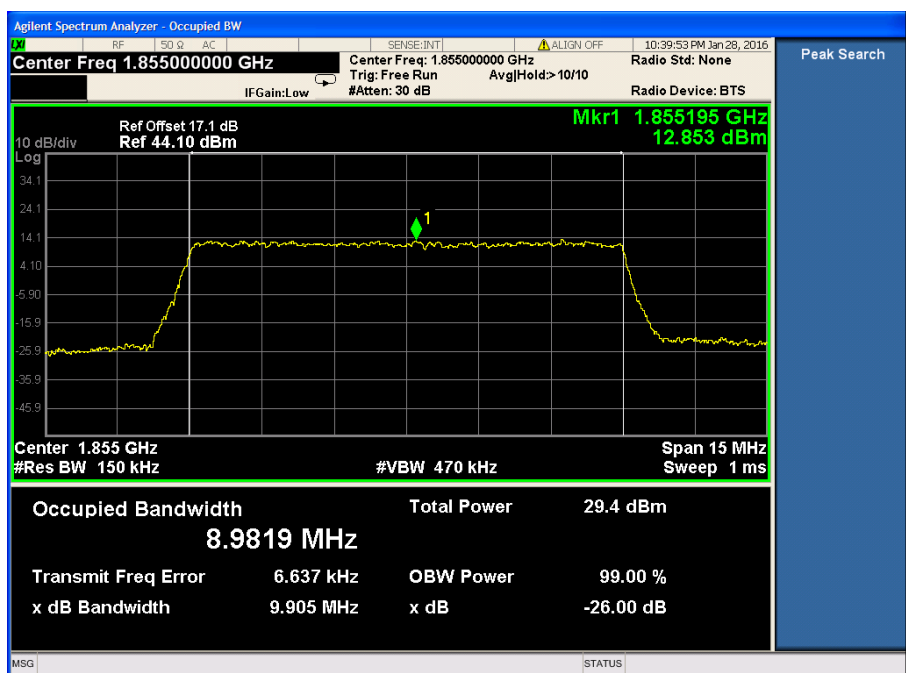
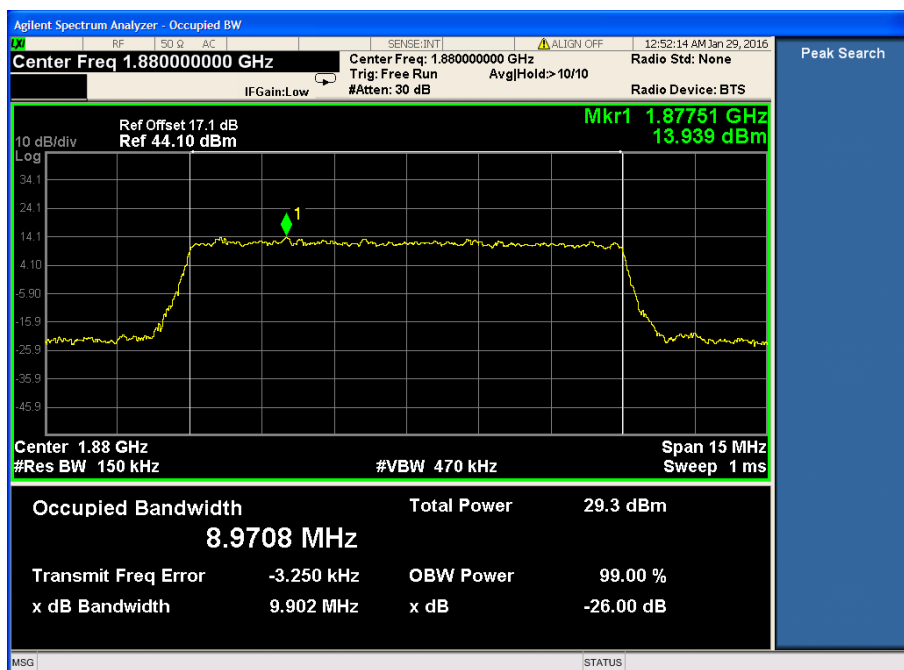### 4.3.1.7.2 Test Channel = MCH
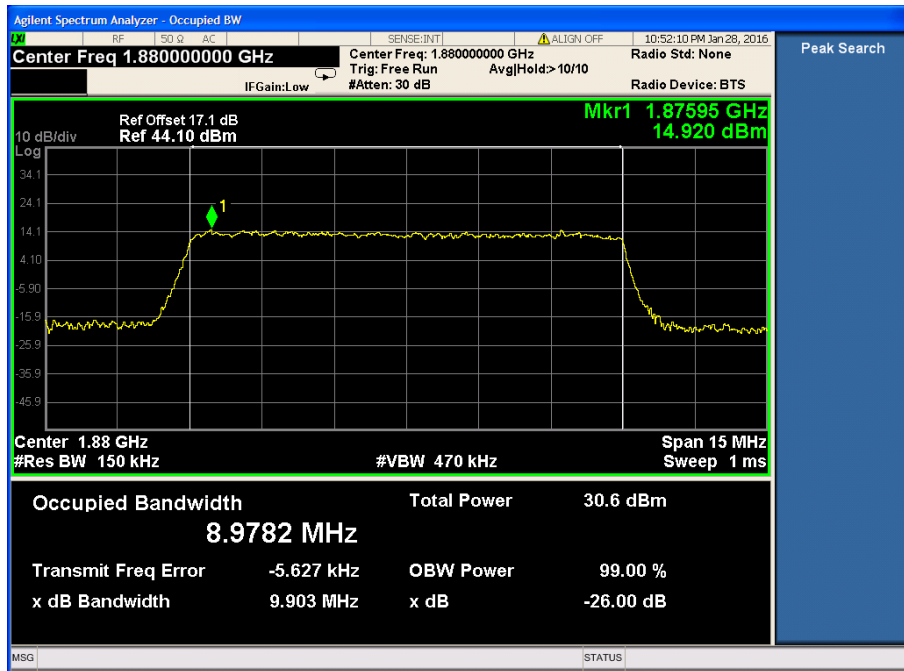
4.3.1.7.3 Test Channel = HCH
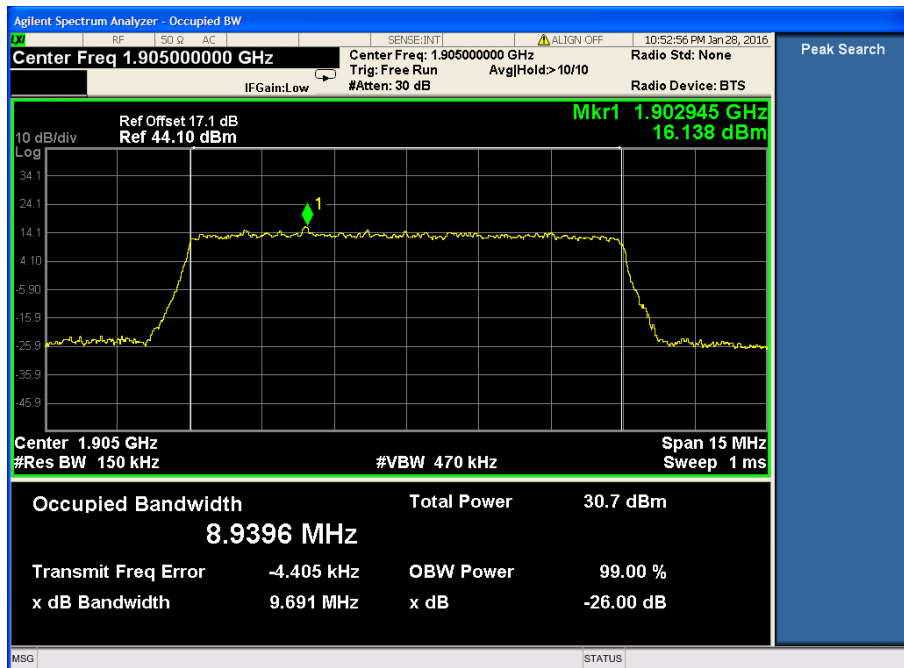
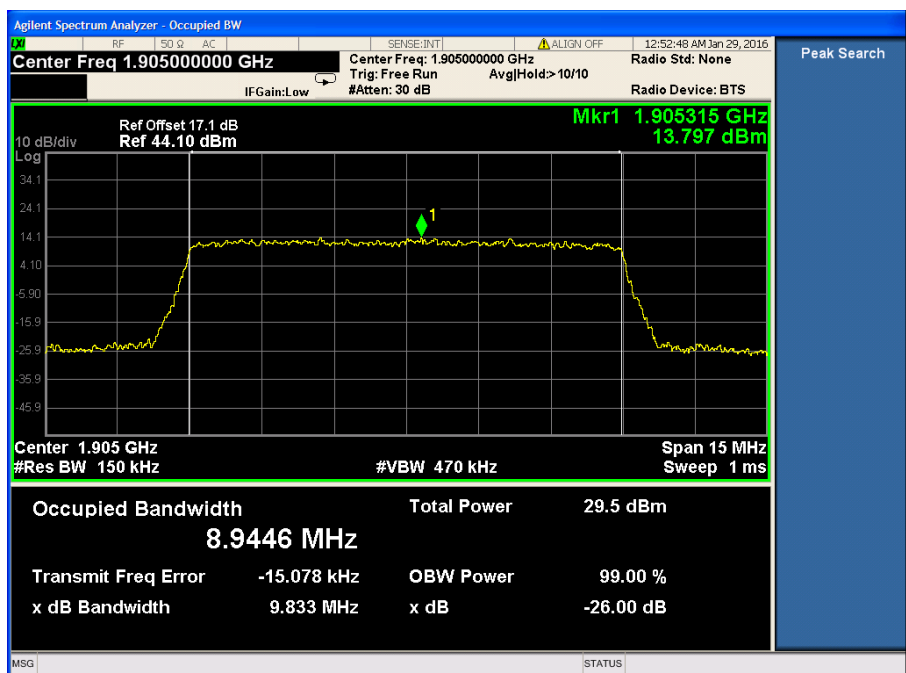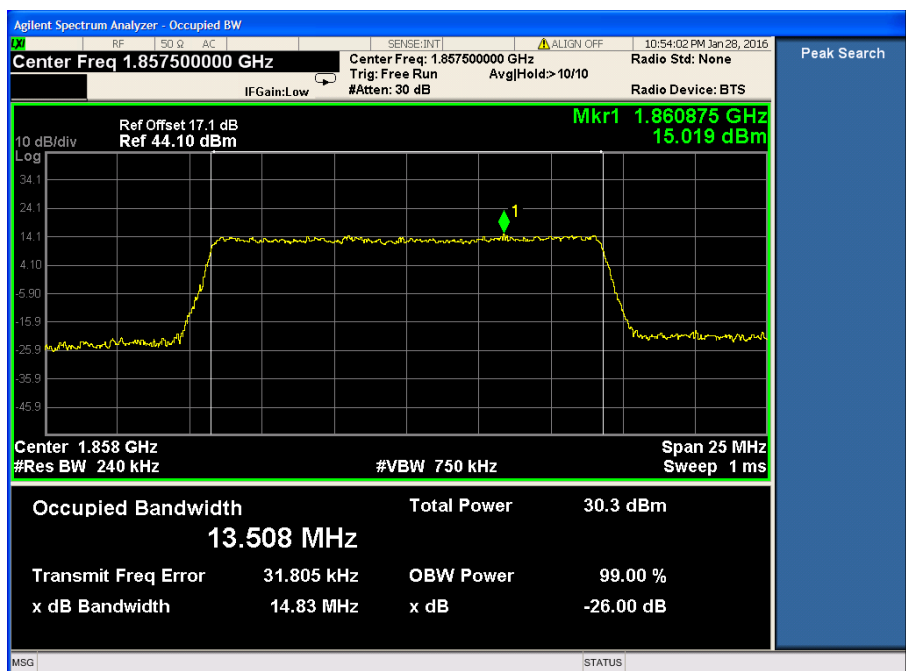### 4.3.1.8　Test Mode = LTE/TM2 10MHz

4.3.1.8.1　Test Channel = LCH
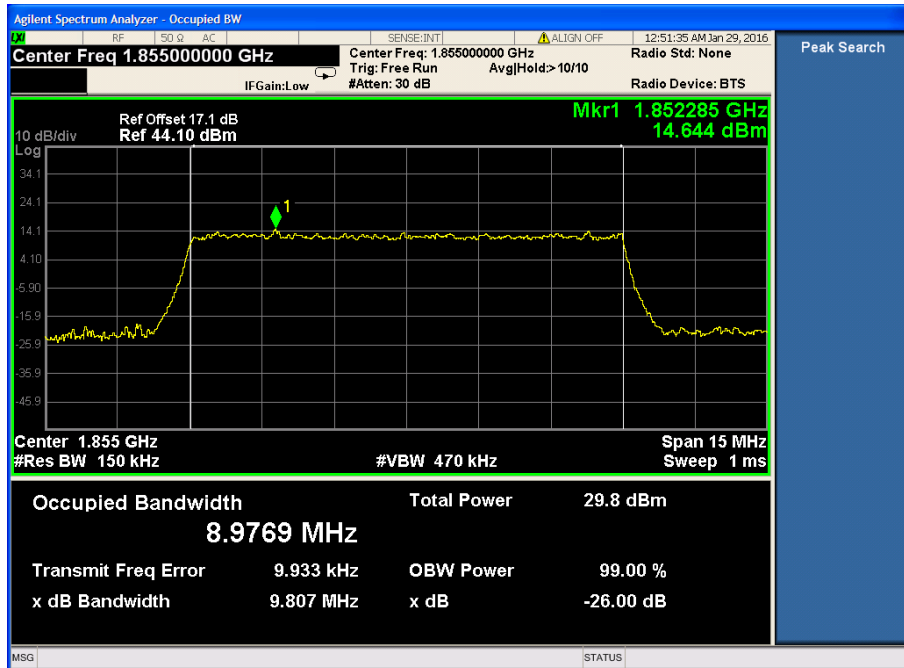
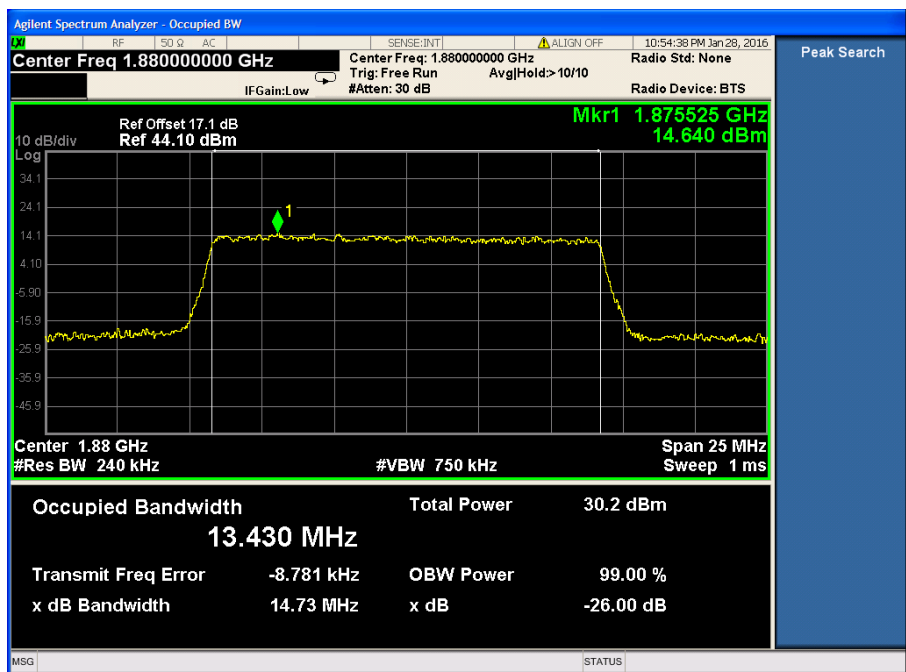### 4.3.1.8.2　Test Channel = MCH

4.3.1.8.3 Test Channel = HCH

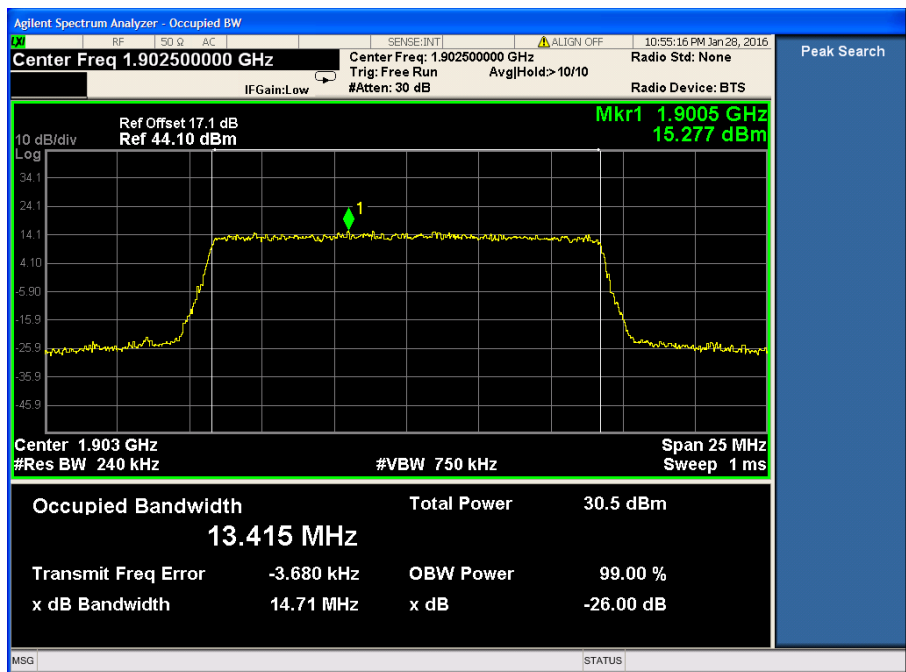### 4.3.1.9 Test Mode = LTE/TM1 15MHz

4.3.1.9.1 Test Channel = LCH

4.3.1.9.2 Test Channel = MCH

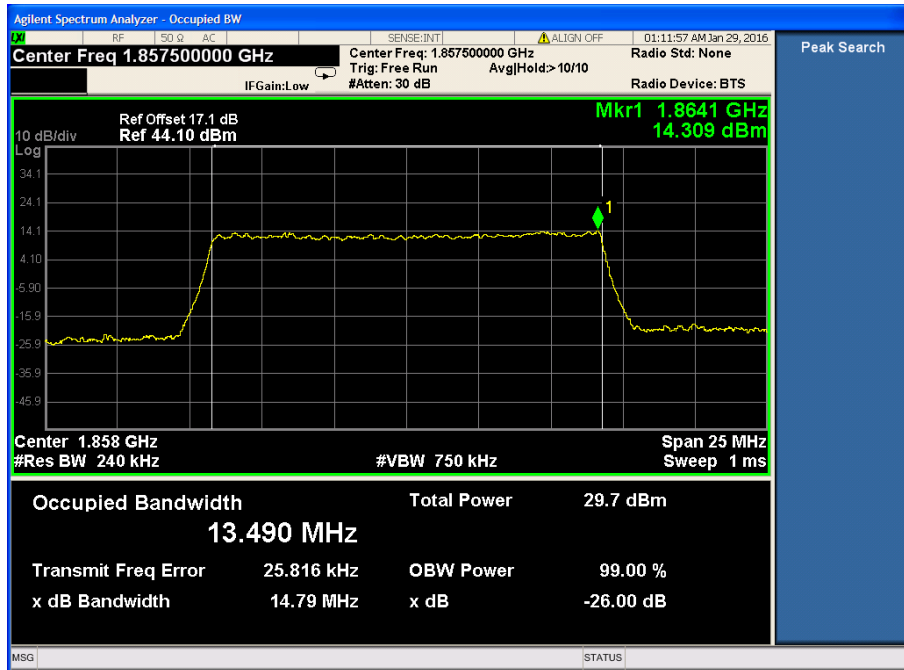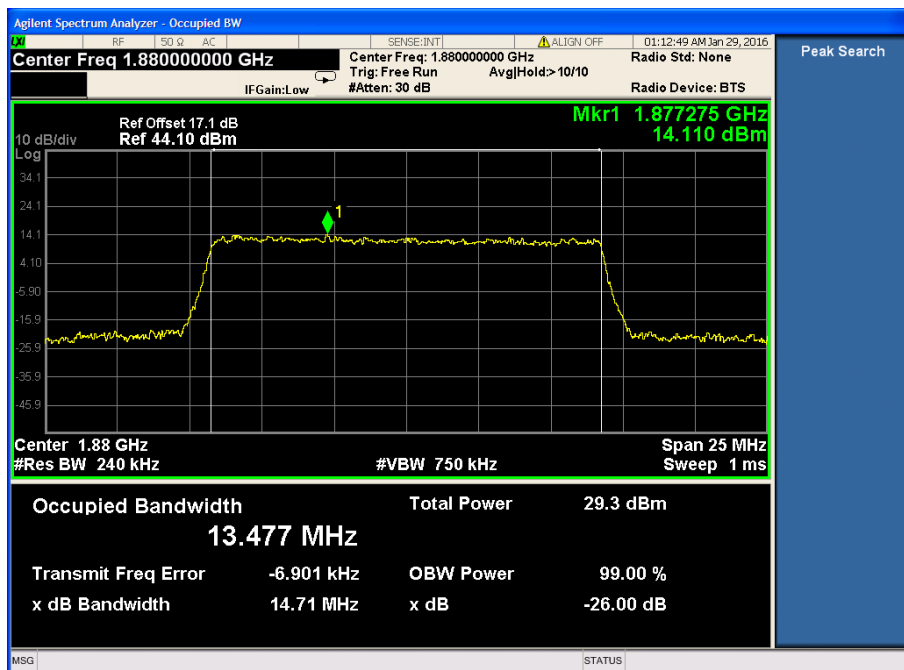| Occupied Bandwidth		Total Power	30.2 dBm
13.430 MHz			
Transmit Freq Error	-8.781 kHz	OBW Power	99.00 %
x dB Bandwidth	14.73 MHz	x dB	-26.00 dB

4.3.1.9.3 Test Channel = HCH

Occupied Bandwidth		Total Power	30.5 dBm
13.415 MHz			
Transmit Freq Error	-3.680 kHz	OBW Power	99.00 %
x dB Bandwidth	14.71 MHz	x dB	-26.00 dB

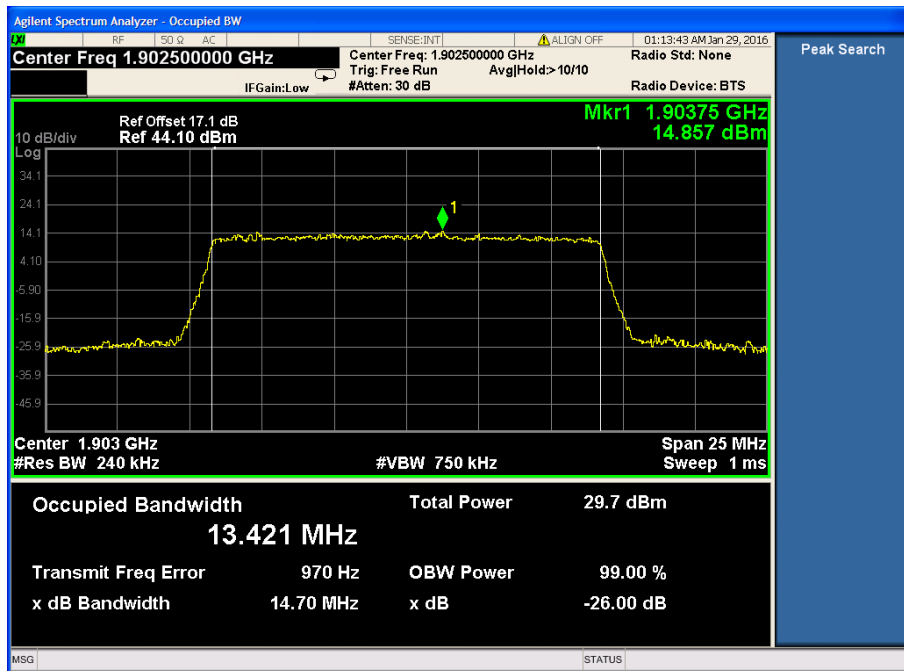### 4.3.1.10 Test Mode = LTE/TM2 15MHz

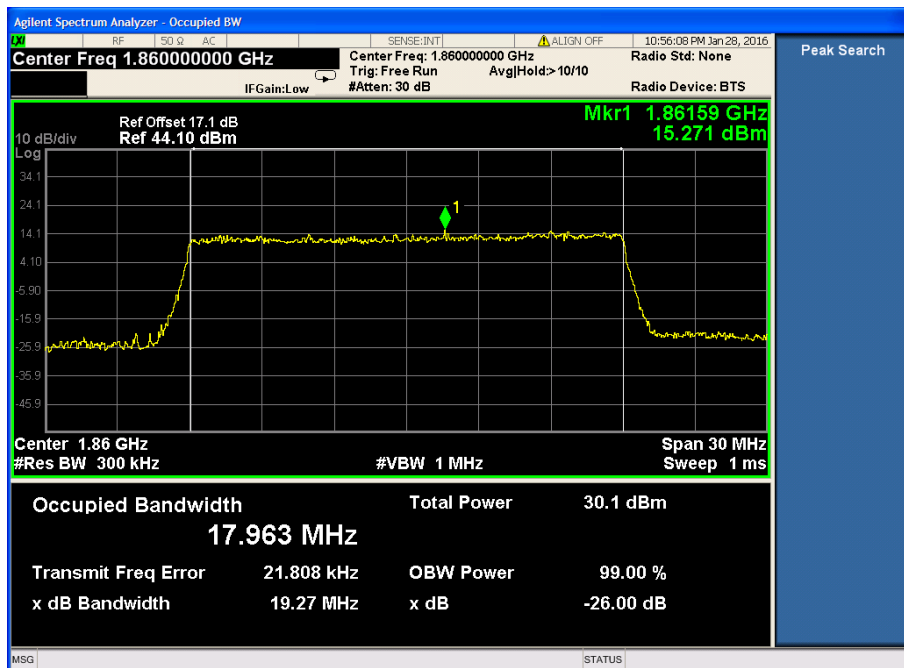### 4.3.1.10.1 Test Channel = LCH

4.3.1.10.2 Test Channel = MCH

4.3.1.10.3 Test Channel = HCH
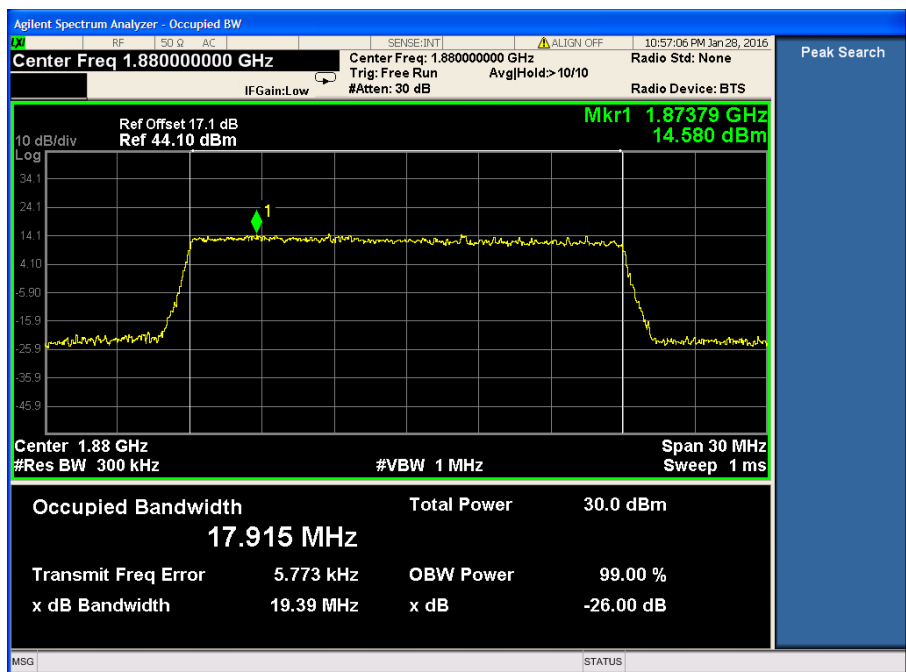

4.3.1.11 Test Mode = LTE/TM1 20MHz

4.3.1.11.1 Test Channel = LCH
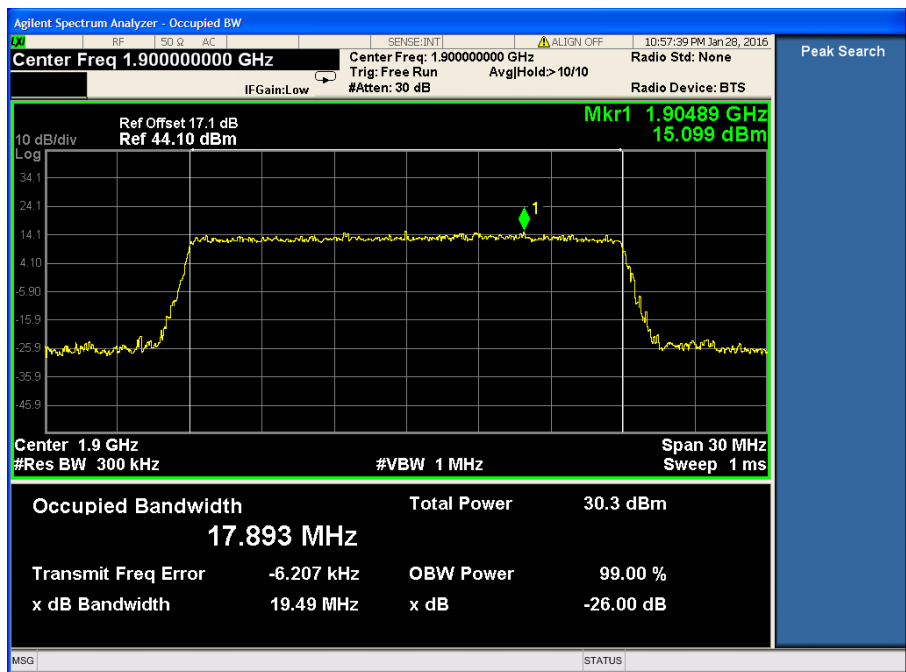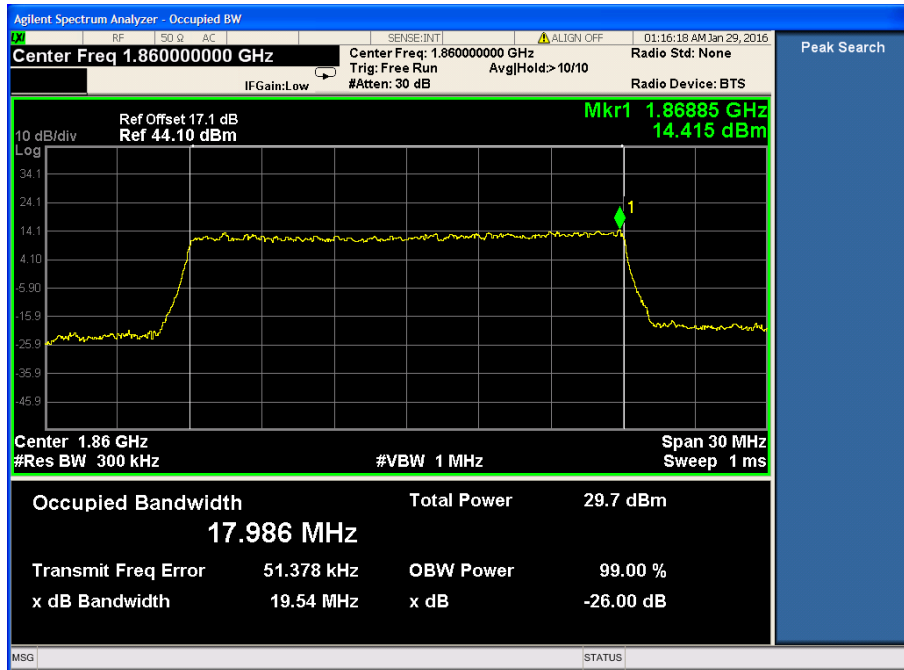
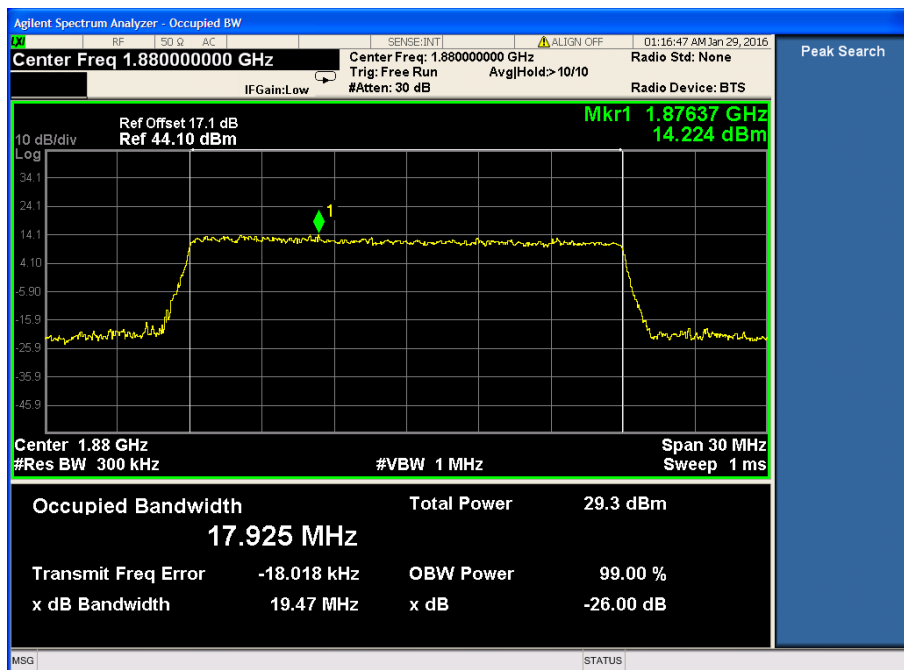### 4.3.1.11.2 Test Channel = MCH

4.3.1.11.3 Test Channel = HCH

4.3.1.12 Test Mode = LTE/TM2 20MHz

4.3.1.12.1Test Channel = LCH
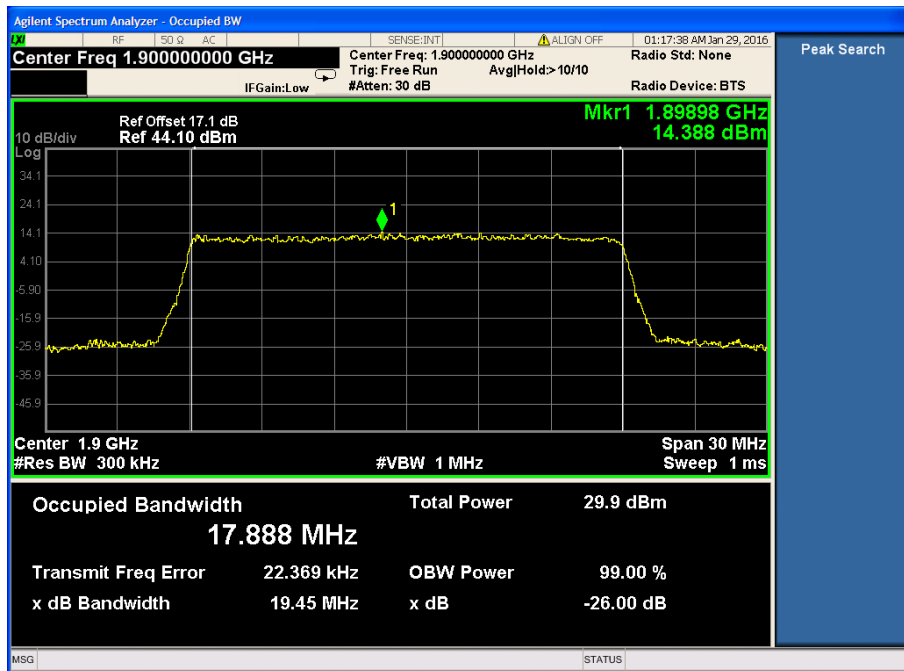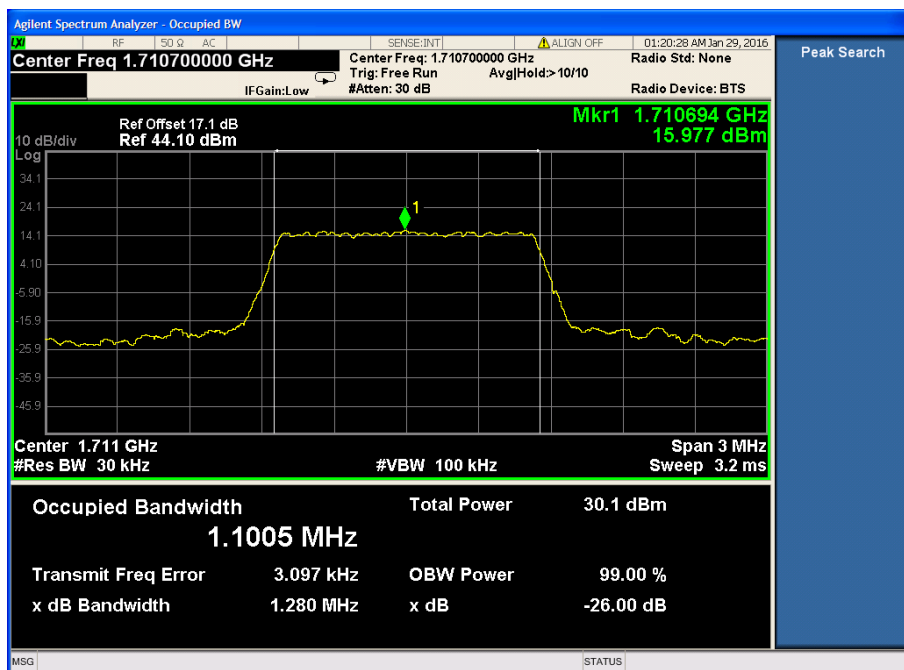

4.3.1.12.2Test Channel = MCH

4.3.1.12.3Test Channel = HCH

4.3.2 Test Band = LTE Band 4

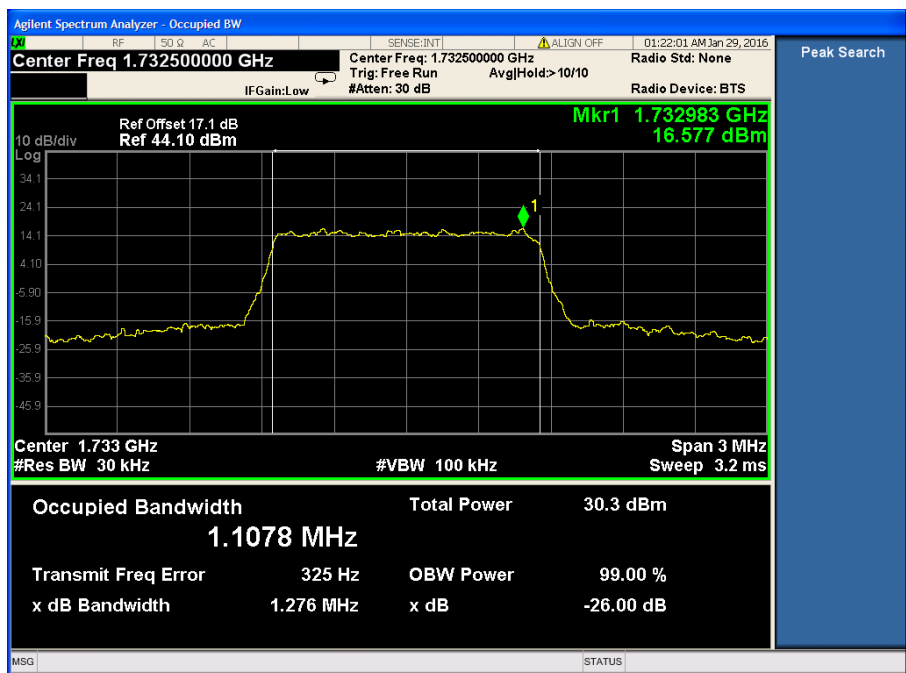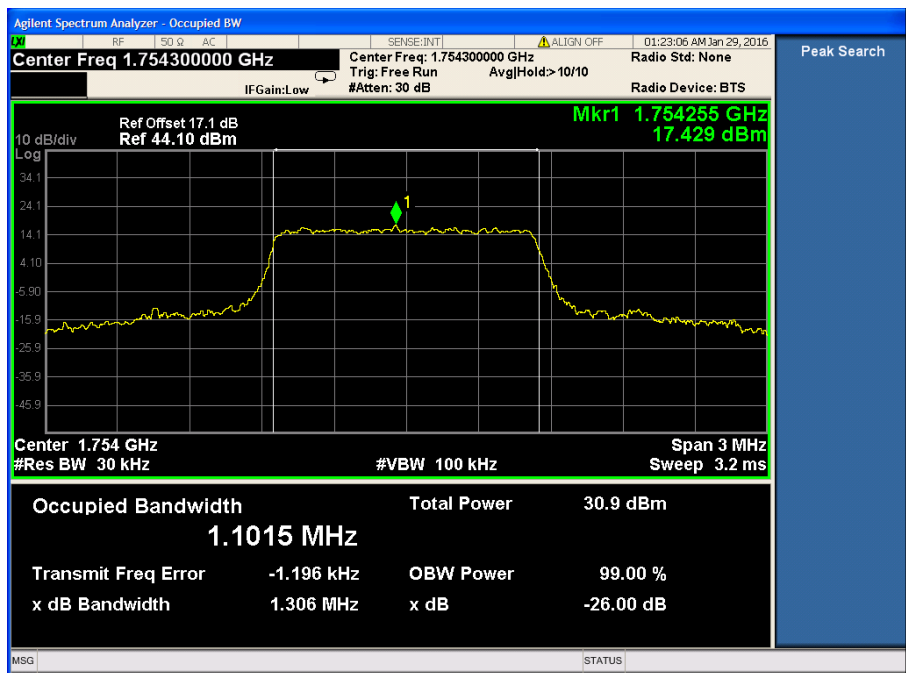#### 4.3.2.1 Test Mode = LTE/TM1 1.4MHz

4.3.2.1.1 Test Channel = LCH

4.3.2.1.2 Test Channel = MCH

Occupied Bandwidth		Total Power	30.3 dBm
1.1078 MHz			
Transmit Freq Error	325 Hz	OBW Power	99.00 %
x dB Bandwidth	1.276 MHz	x dB	-26.00 dB

4.3.2.1.3 Test Channel = HCH

Occupied Bandwidth		Total Power	30.9 dBm
1.1015 MHz			
Transmit Freq Error	-1.196 kHz	OBW Power	99.00 %
x dB Bandwidth	1.306 MHz	x dB	-26.00 dB

4.3.2.2　Test Mode = LTE/TM2 1.4MHz

4.3.2.2.1　Test Channel = LCH

Agilent Spectrum Analyzer - Occupied BW		
Center Freq 1.710700000 GHz	Center Freq: 1.710700000 GHz	Radio Std: None
	Trig: Free Run Avg|Hold:>10/10	
IFGain:Low	#Atten: 30 dB	Radio Device: BTS

Mkr1 1.711192 GHz
15.611 dBm

Ref Offset 17.1 dB
Ref 44.10 dBm

Center 1.711 GHz　　　　Span 3 MHz
#Res BW 30 kHz　　#VBW 100 kHz　　Sweep 3.2 ms

Occupied Bandwidth		Total Power	29.3 dBm
1.0998 MHz			
Transmit Freq Error	2.071 kHz	OBW Power	99.00 %
x dB Bandwidth	1.263 MHz	x dB	-26.00 dB

4.3.2.2.2　Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW		
Center Freq 1.732500000 GHz	Center Freq: 1.732500000 GHz	Radio Std: None
	Trig: Free Run Avg|Hold:>10/10	
IFGain:Low	#Atten: 30 dB	Radio Device: BTS

Mkr1 1.732371 GHz
15.339 dBm

Ref Offset 17.1 dB
Ref 44.10 dBm

Center 1.733 GHz　　　　Span 3 MHz
#Res BW 30 kHz　　#VBW 100 kHz　　Sweep 3.2 ms

Occupied Bandwidth		Total Power	29.0 dBm
1.0998 MHz			
Transmit Freq Error	1.826 kHz	OBW Power	99.00 %
x dB Bandwidth	1.273 MHz	x dB	-26.00 dB

4.3.2.2.3 Test Channel = HCH

Occupied Bandwidth		Total Power	29.5 dBm
1.1067 MHz			
Transmit Freq Error	-3.243 kHz	OBW Power	99.00 %
x dB Bandwidth	1.282 MHz	x dB	-26.00 dB

4.3.2.3   Test Mode = LTE/TM1 3MHz

4.3.2.3.1 Test Channel = LCH

Occupied Bandwidth		Total Power	30.5 dBm
2.6972 MHz			
Transmit Freq Error	3.775 kHz	OBW Power	99.00 %
x dB Bandwidth	2.954 MHz	x dB	-26.00 dB

4.3.2.3.2 Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW		
LXI RF 50Ω AC	SENSE:INT	⚠ALIGN OFF 01:26:33 AM Jan 29, 2016
Center Freq 1.732500000 GHz	Center Freq: 1.732500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 30 dB	Radio Std: None Radio Device: BTS
IFGain:Low		

Ref Offset 17.1 dB
Ref 44.10 dBm
Mkr1 1.733435 GHz
15.030 dBm
10 dB/div
Log

Center 1.733 GHz   Span 5 MHz
#Res BW 51 kHz   #VBW 150 kHz   Sweep 1.867 ms

Occupied Bandwidth	Total Power	30.3 dBm
2.7026 MHz		
Transmit Freq Error 1.906 kHz	OBW Power	99.00 %
x dB Bandwidth 2.968 MHz	x dB	-26.00 dB

4.3.2.3.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW		
LXI RF 50Ω AC	SENSE:INT	⚠ALIGN OFF 01:27:28 AM Jan 29, 2016
Center Freq 1.753500000 GHz	Center Freq: 1.753500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 30 dB	Radio Std: None Radio Device: BTS
IFGain:Low		

Ref Offset 17.1 dB
Ref 44.10 dBm
Mkr1 1.753 GHz
15.534 dBm
10 dB/div
Log

Center 1.754 GHz   Span 5 MHz
#Res BW 51 kHz   #VBW 150 kHz   Sweep 1.867 ms

Occupied Bandwidth	Total Power	30.9 dBm
2.7041 MHz		
Transmit Freq Error -670 Hz	OBW Power	99.00 %
x dB Bandwidth 2.966 MHz	x dB	-26.00 dB

4.3.2.4 Test Mode = LTE/TM2 3MHz

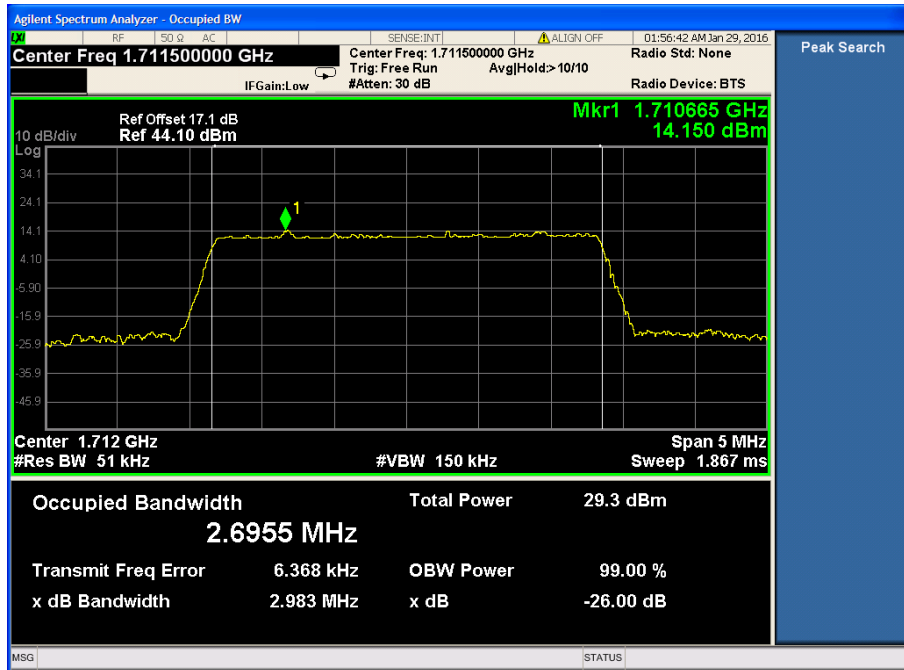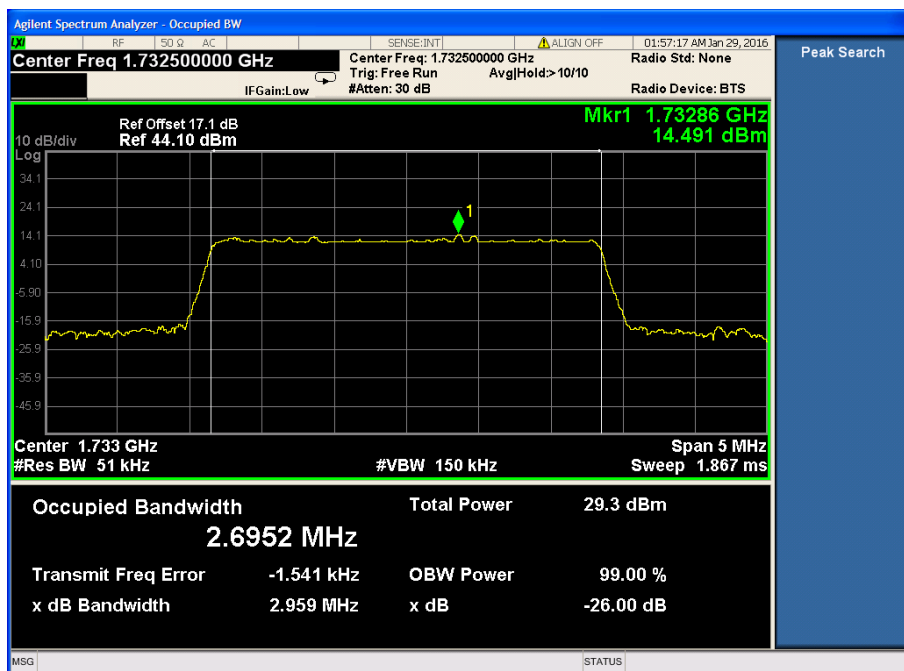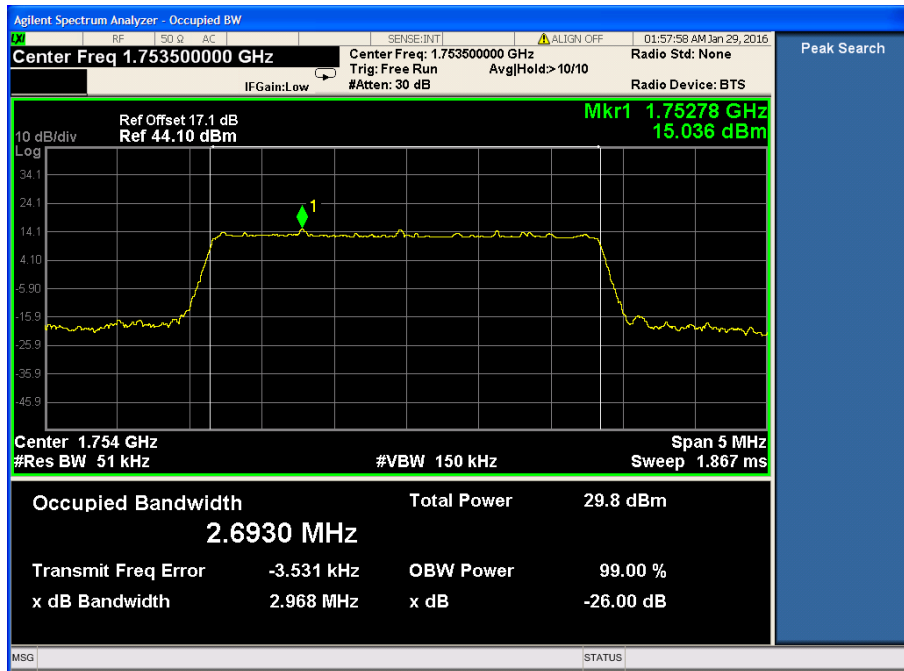### 4.3.2.4.1 Test Channel = LCH
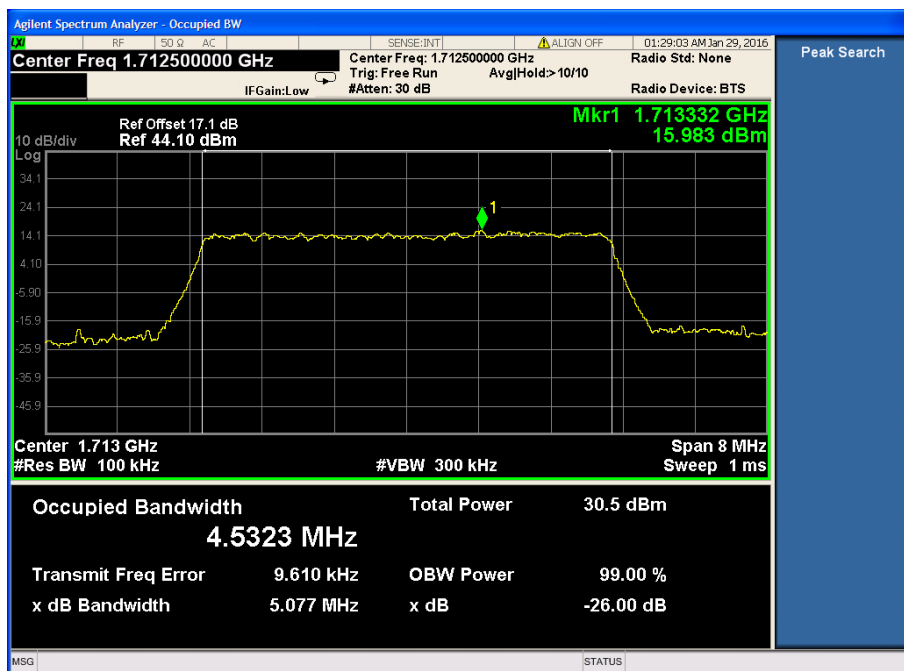

4.3.2.4.2 Test Channel = MCH

4.3.2.4.3 Test Channel = HCH

4.3.2.5   Test Mode = LTE/TM1 5MHz
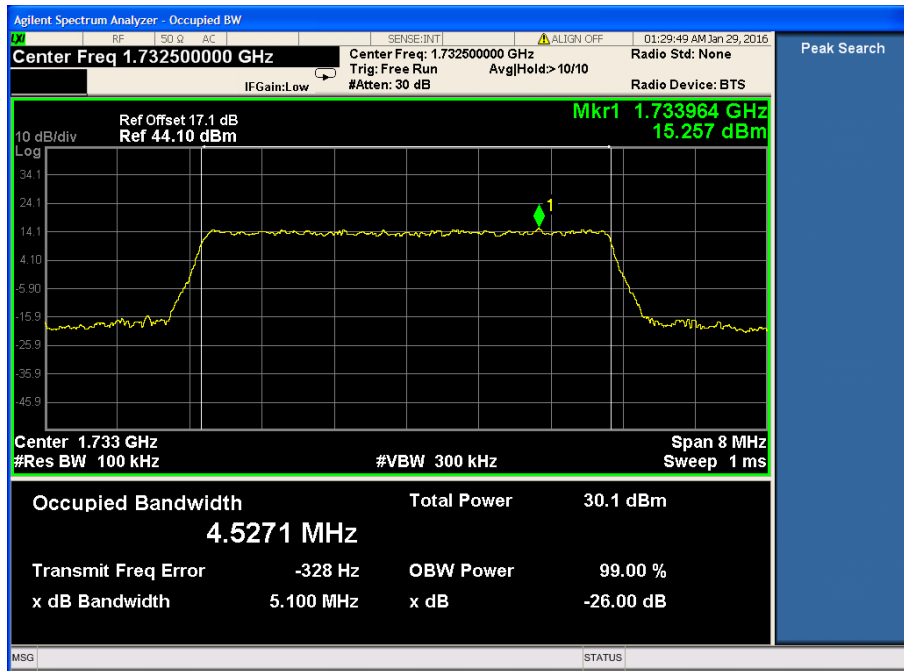
4.3.2.5.1 Test Channel = LCH
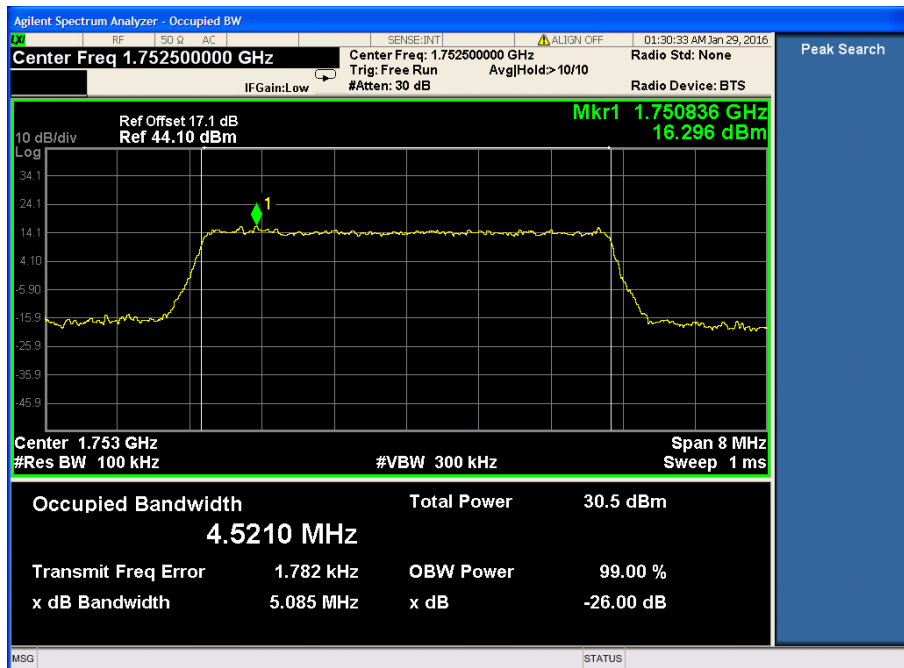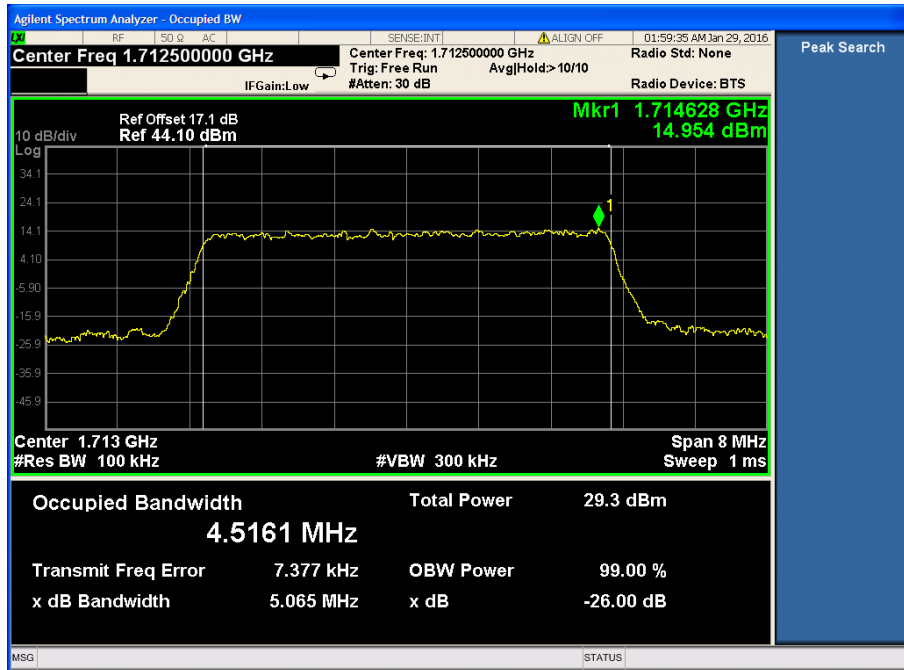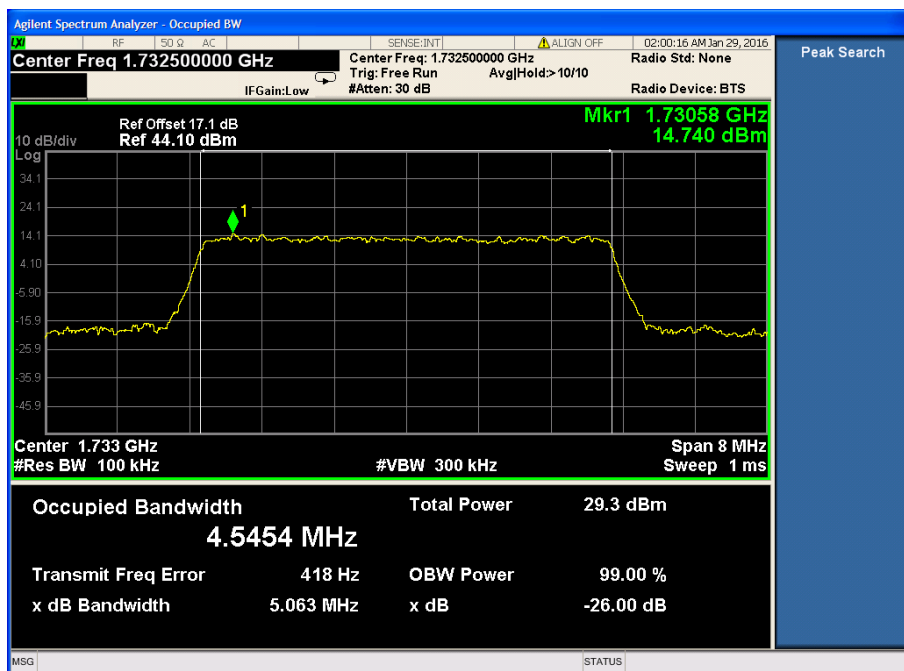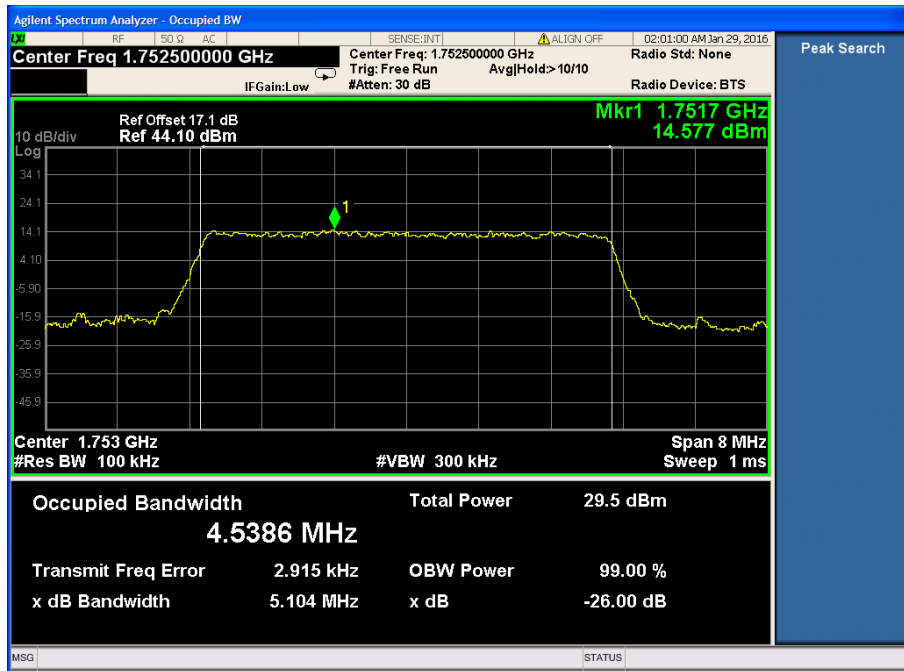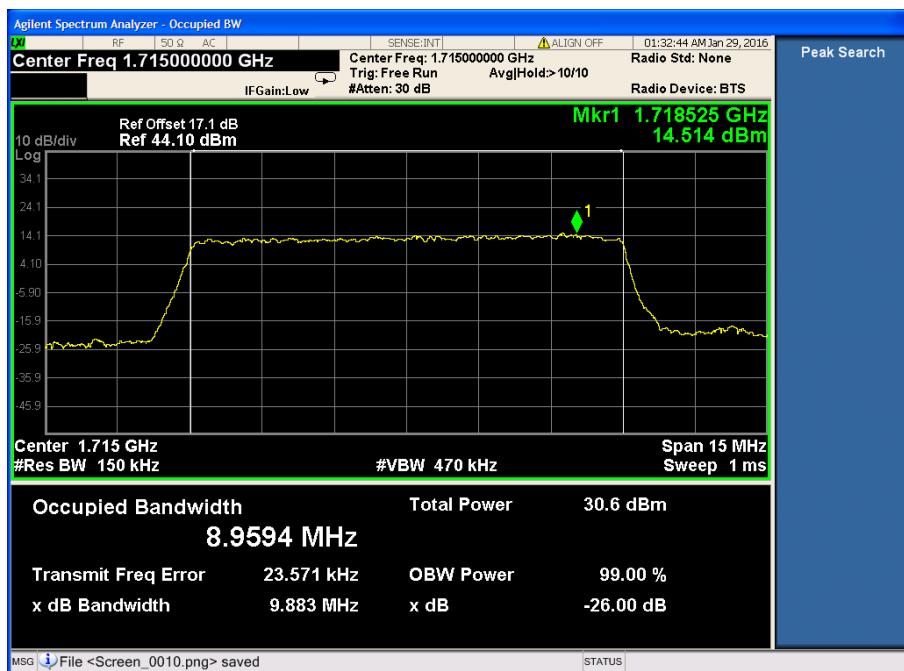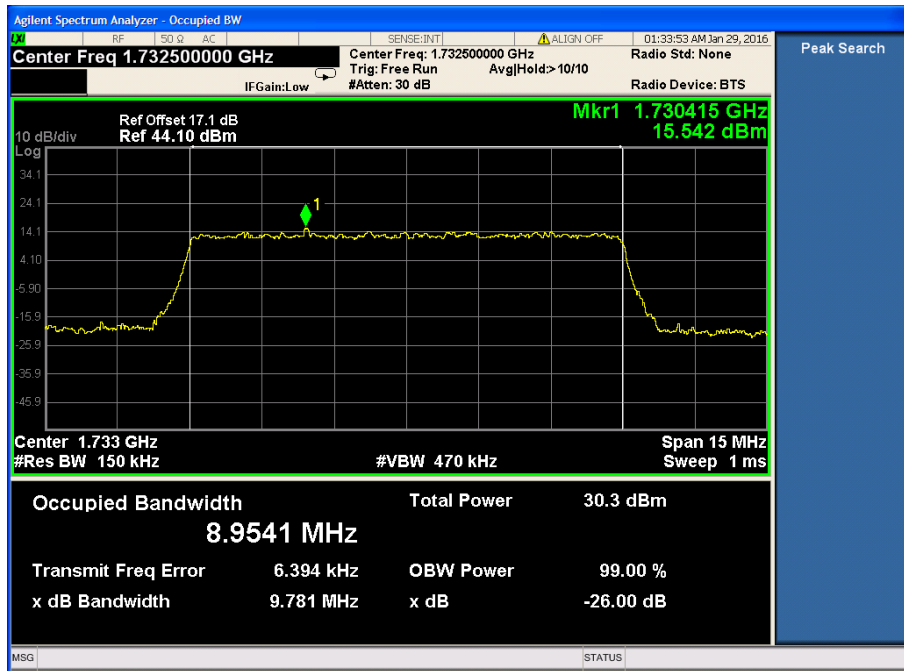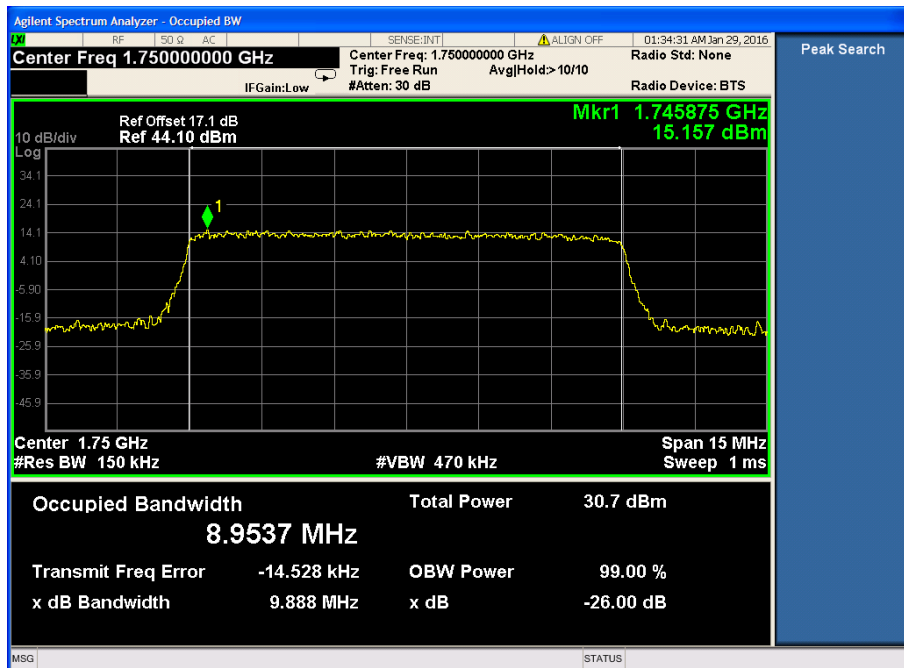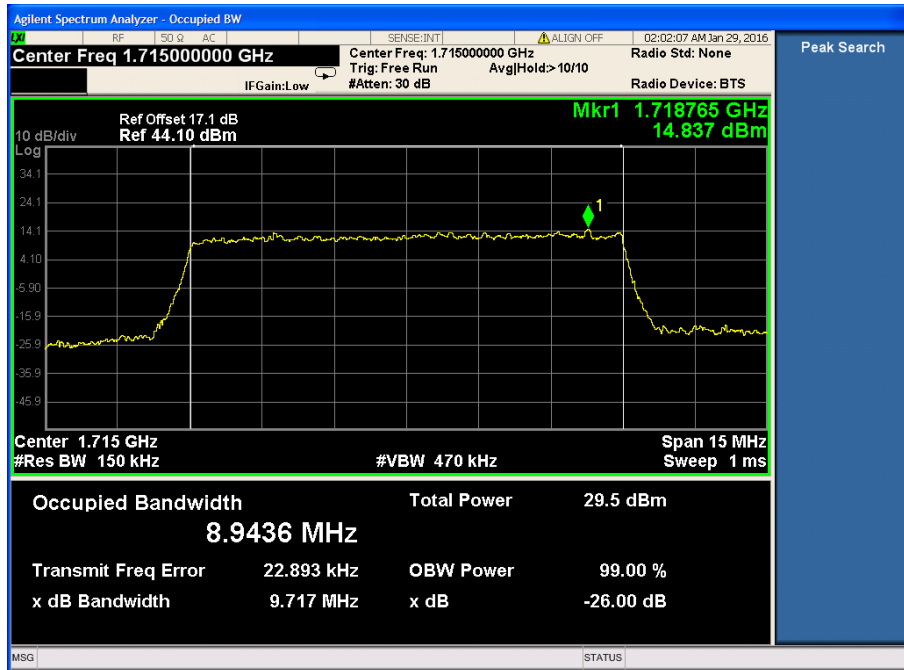
4.3.2.5.2 Test Channel = MCH

Occupied Bandwidth	Total Power	30.1 dBm
4.5271 MHz		
Transmit Freq Error	-328 Hz	OBW Power	99.00 %
x dB Bandwidth	5.100 MHz	x dB	-26.00 dB

4.3.2.5.3 Test Channel = HCH

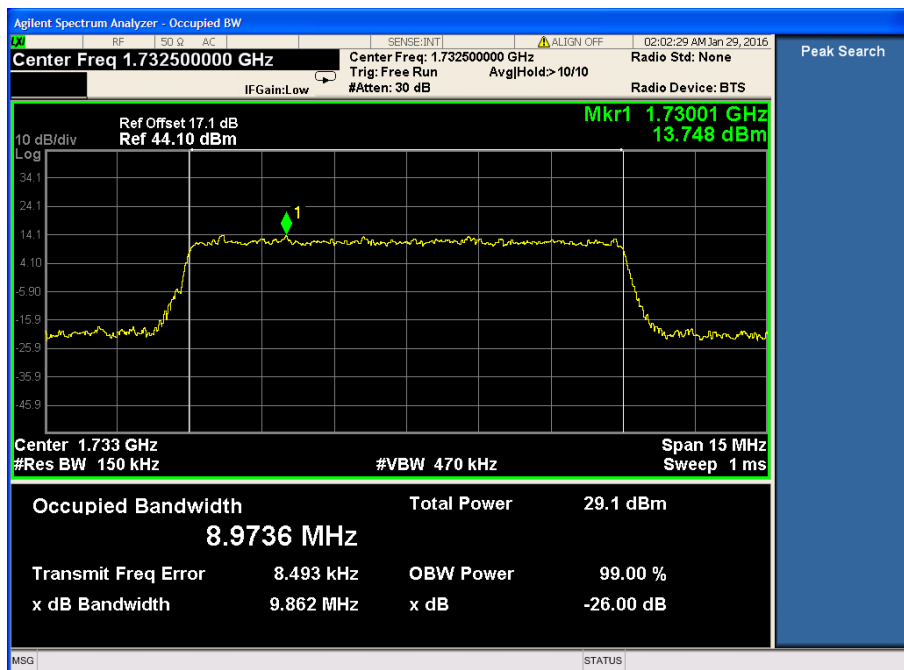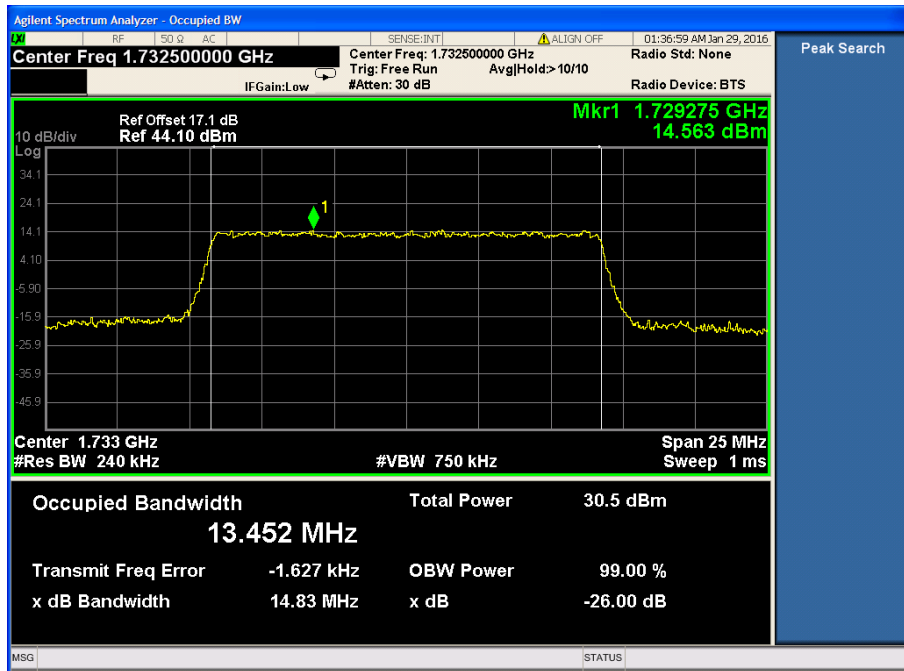| Occupied Bandwidth	Total Power	30.5 dBm
4.5210 MHz		
Transmit Freq Error	1.782 kHz	OBW Power	99.00 %
x dB Bandwidth	5.085 MHz	x dB	-26.00 dB

4.3.2.6   Test Mode = LTE/TM2 5MHz
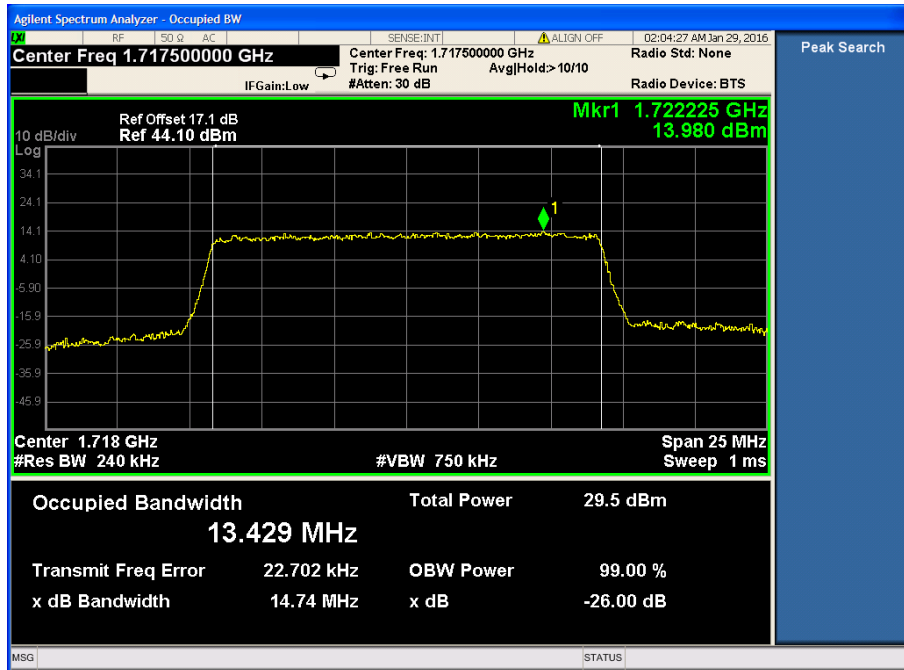
4.3.2.6.1 Test Channel = LCH

4.3.2.6.2 Test Channel = MCH

4.3.2.6.3 Test Channel = HCH

Occupied Bandwidth	Total Power	29.5 dBm
4.5386 MHz		
Transmit Freq Error	2.915 kHz	OBW Power	99.00 %
x dB Bandwidth	5.104 MHz	x dB	-26.00 dB

4.3.2.7 Test Mode = LTE/TM1 10MHz

4.3.2.7.1 Test Channel = LCH

Occupied Bandwidth	Total Power	30.6 dBm
8.9594 MHz		
Transmit Freq Error	23.571 kHz	OBW Power	99.00 %
x dB Bandwidth	9.883 MHz	x dB	-26.00 dB

4.3.2.7.2 Test Channel = MCH

Occupied Bandwidth	Total Power	30.3 dBm
8.9541 MHz		
Transmit Freq Error	6.394 kHz	OBW Power	99.00 %
x dB Bandwidth	9.781 MHz	x dB	-26.00 dB

4.3.2.7.3 Test Channel = HCH

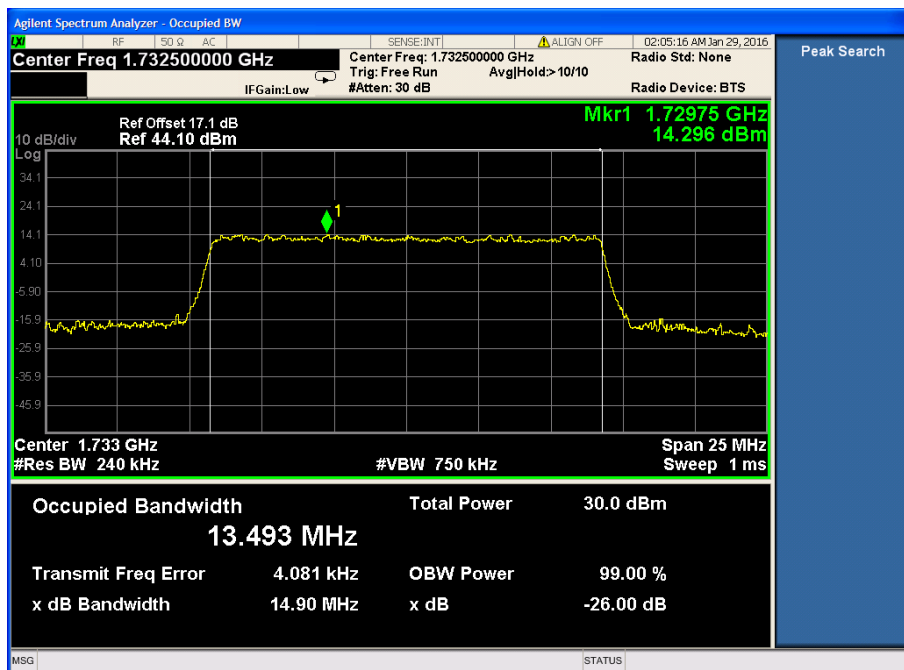| Occupied Bandwidth	Total Power	30.7 dBm
8.9537 MHz		
Transmit Freq Error	-14.528 kHz	OBW Power	99.00 %
x dB Bandwidth	9.888 MHz	x dB	-26.00 dB

4.3.2.8   Test Mode = LTE/TM2 10MHz

4.3.2.8.1 Test Channel = LCH
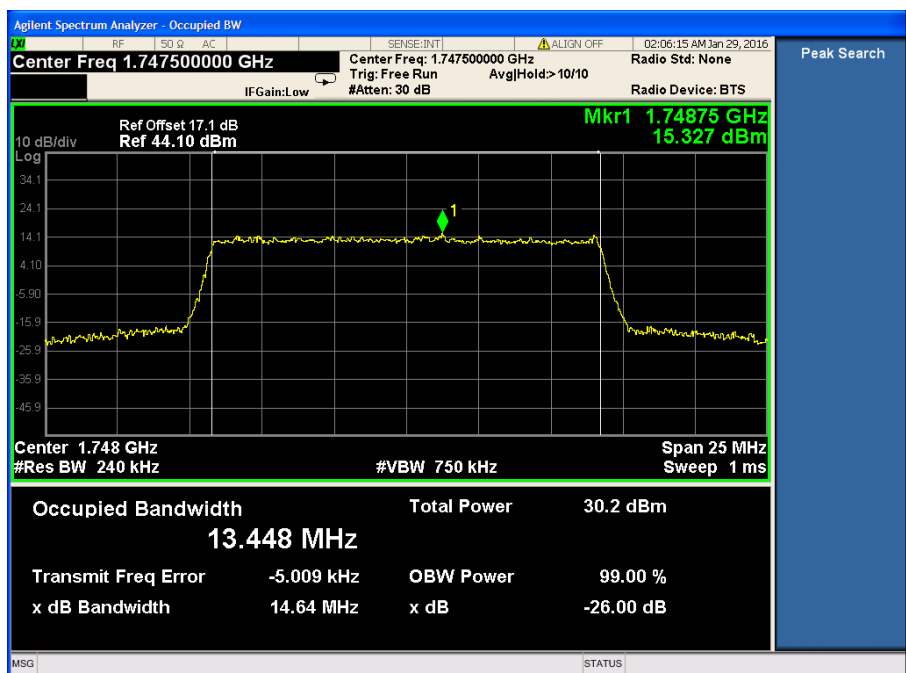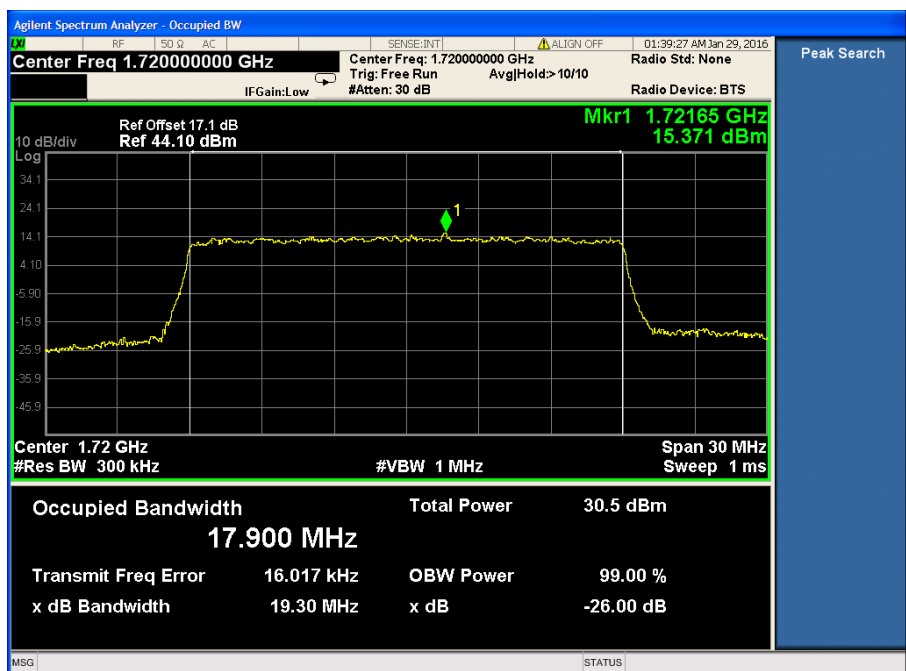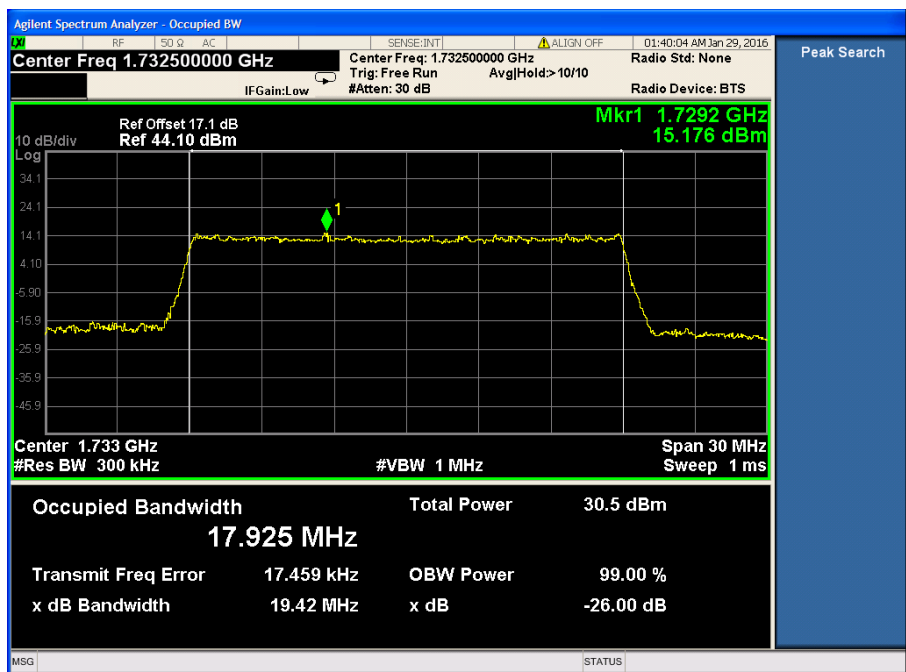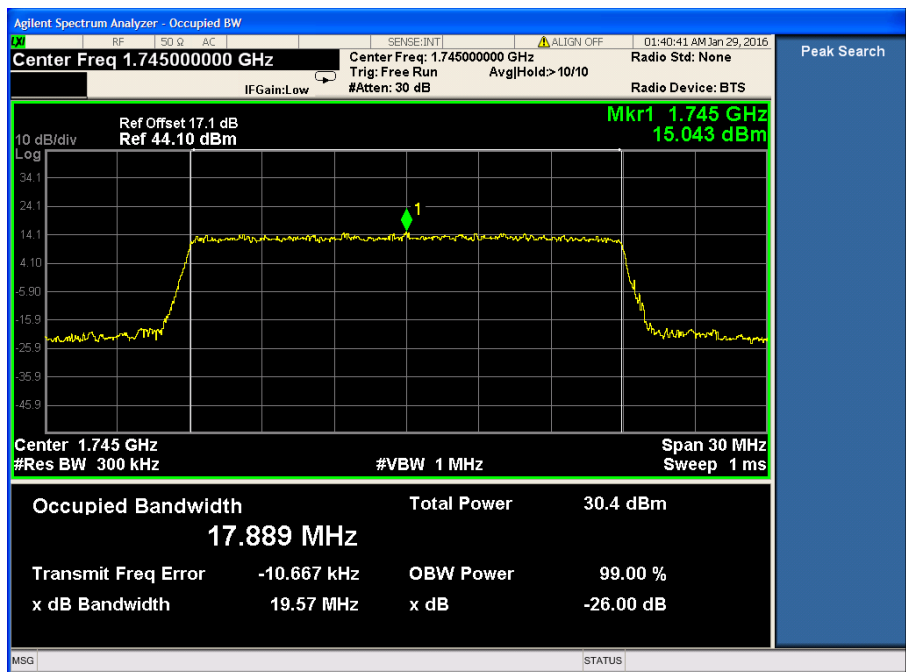

4.3.2.8.2 Test Channel = MCH

4.3.2.8.3 Test Channel = HCH
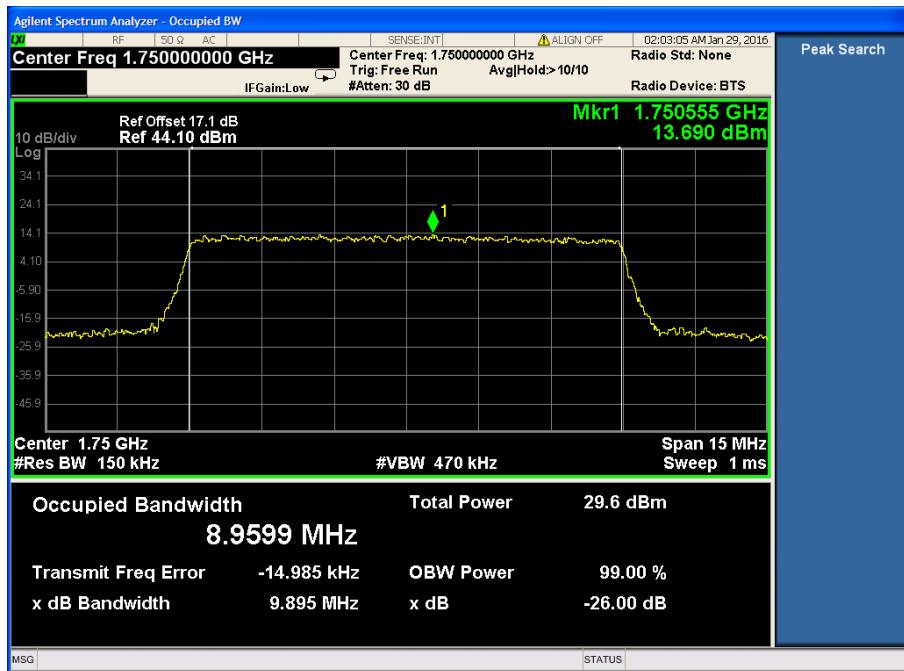
4.3.2.9   Test Mode = LTE/TM1 15MHz

4.3.2.9.1 Test Channel = LCH

4.3.2.9.2 Test Channel = MCH

Occupied Bandwidth		Total Power	30.5 dBm
13.452 MHz			
Transmit Freq Error	-1.627 kHz	OBW Power	99.00 %
x dB Bandwidth	14.83 MHz	x dB	-26.00 dB

4.3.2.9.3 Test Channel = HCH

Occupied Bandwidth		Total Power	30.9 dBm
13.436 MHz			
Transmit Freq Error	2.043 kHz	OBW Power	99.00 %
x dB Bandwidth	14.75 MHz	x dB	-26.00 dB
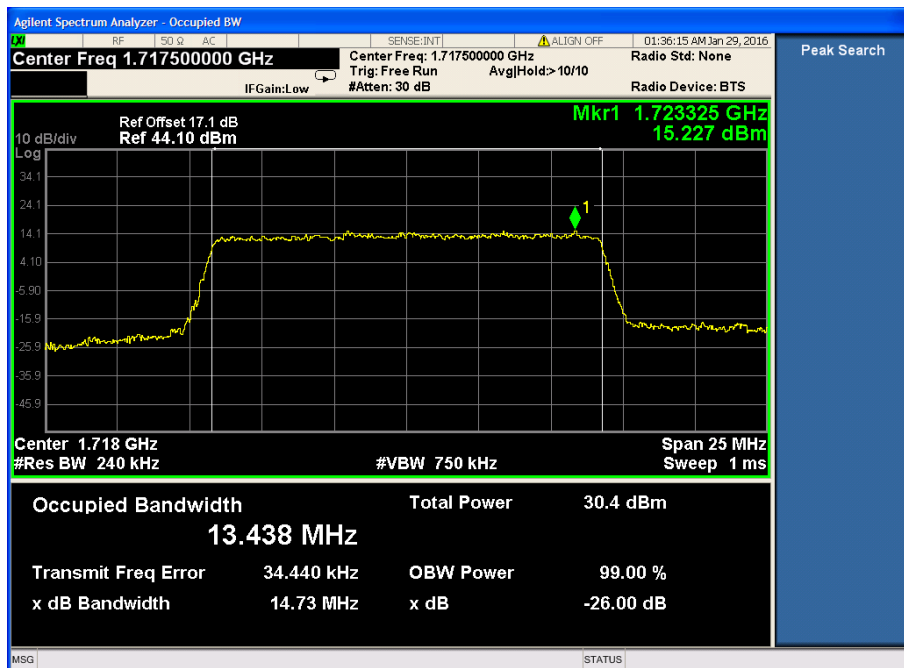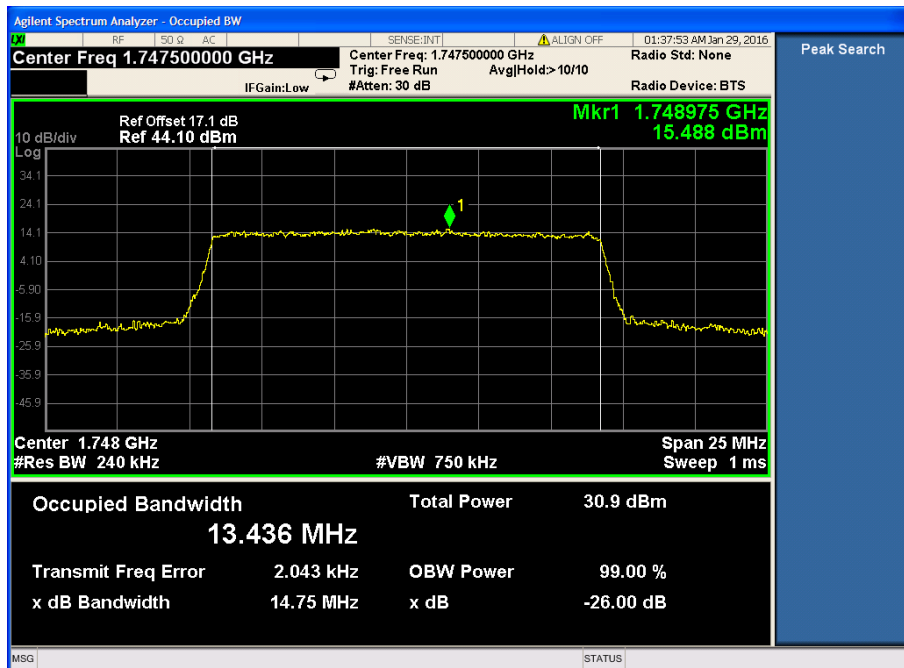
4.3.2.10　Test Mode = LTE/TM2 15MHz

4.3.2.10.1Test Channel = LCH

4.3.2.10.2Test Channel = MCH

4.3.2.10.3 Test Channel = HCH

4.3.2.11 Test Mode = LTE/TM1 20MHz

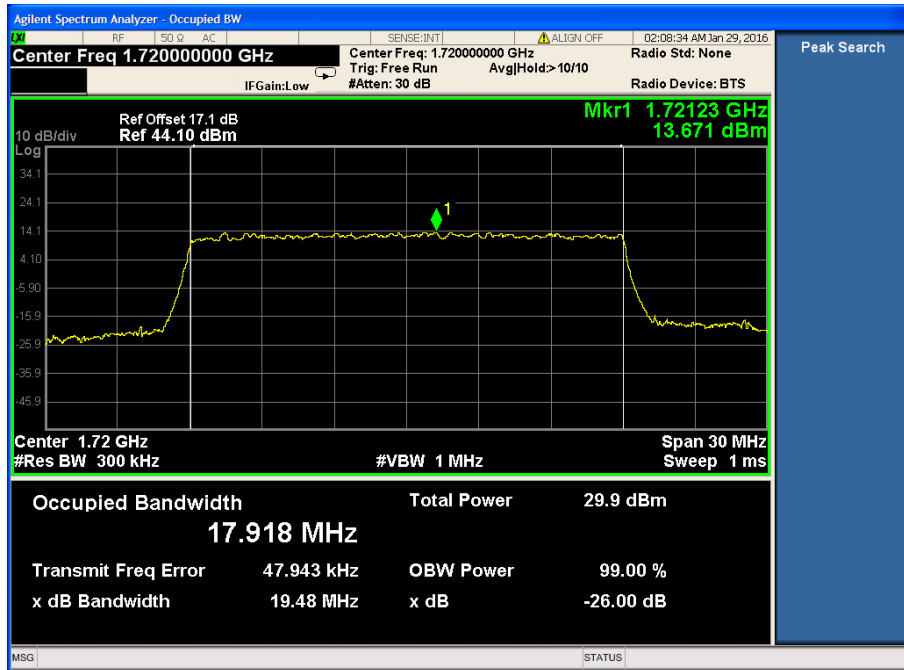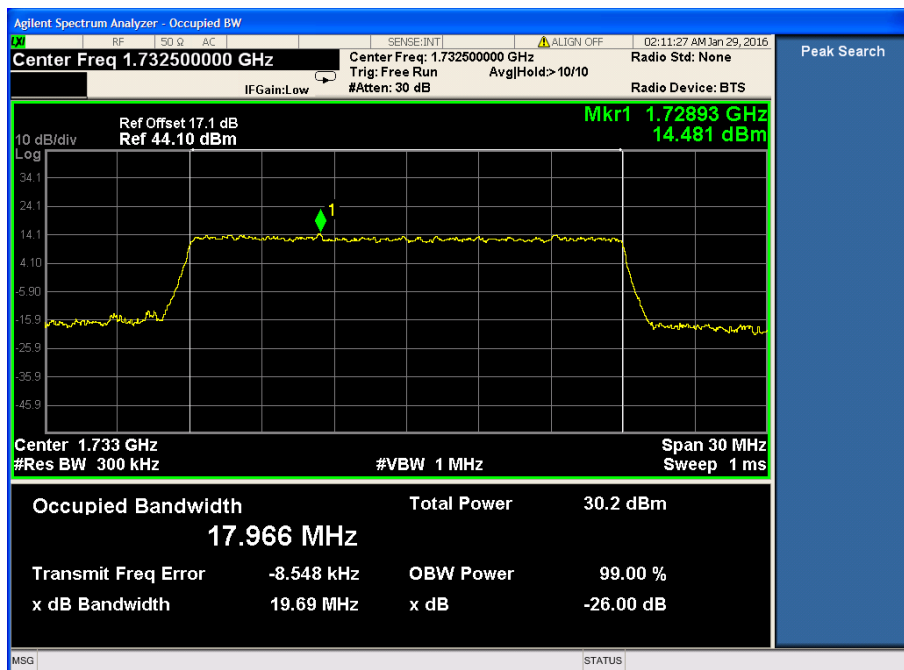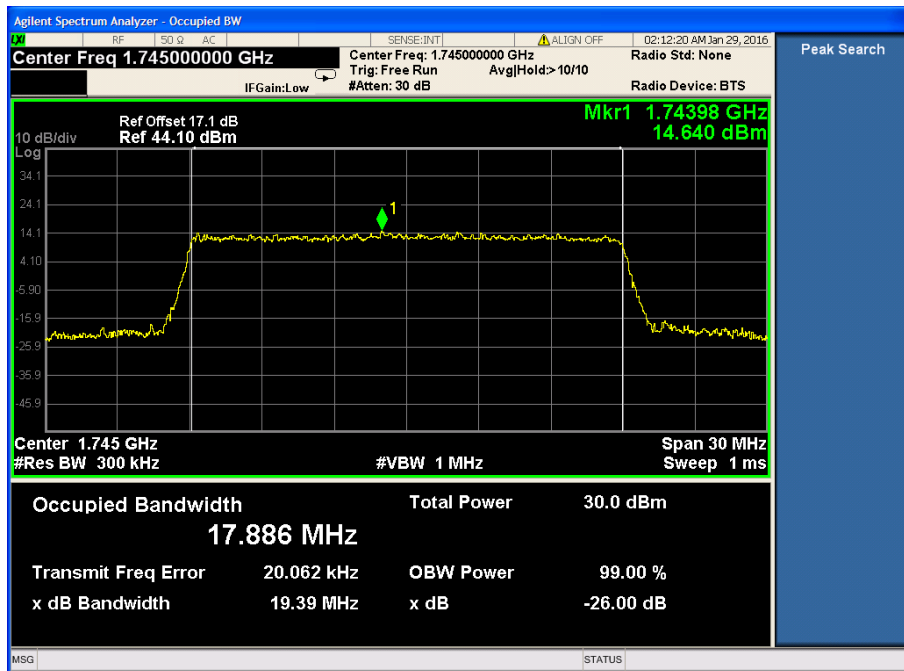### 4.3.2.11.1 Test Channel = LCH

4.3.2.11.2 Test Channel = MCH

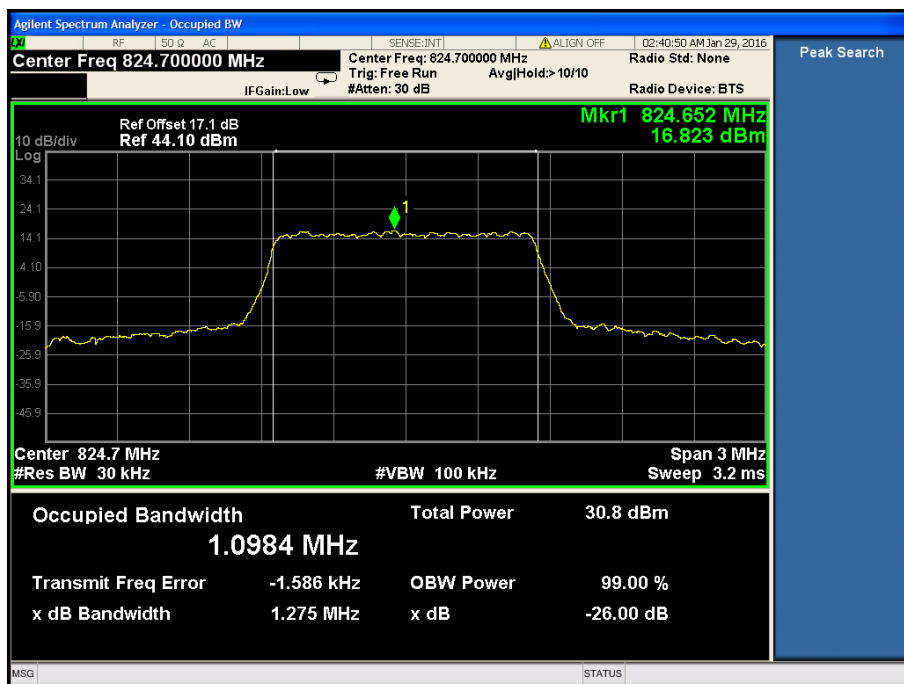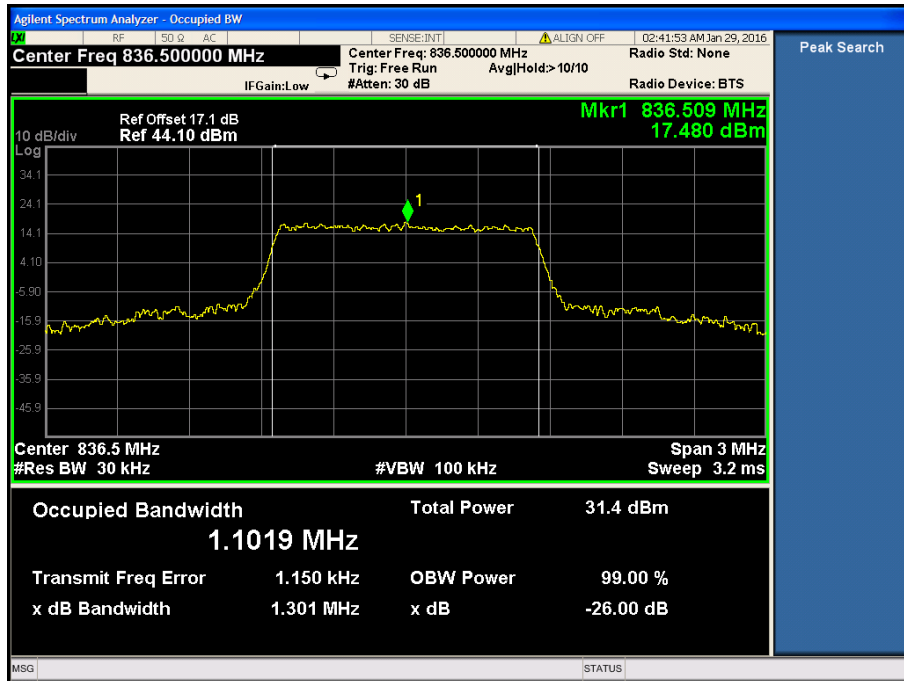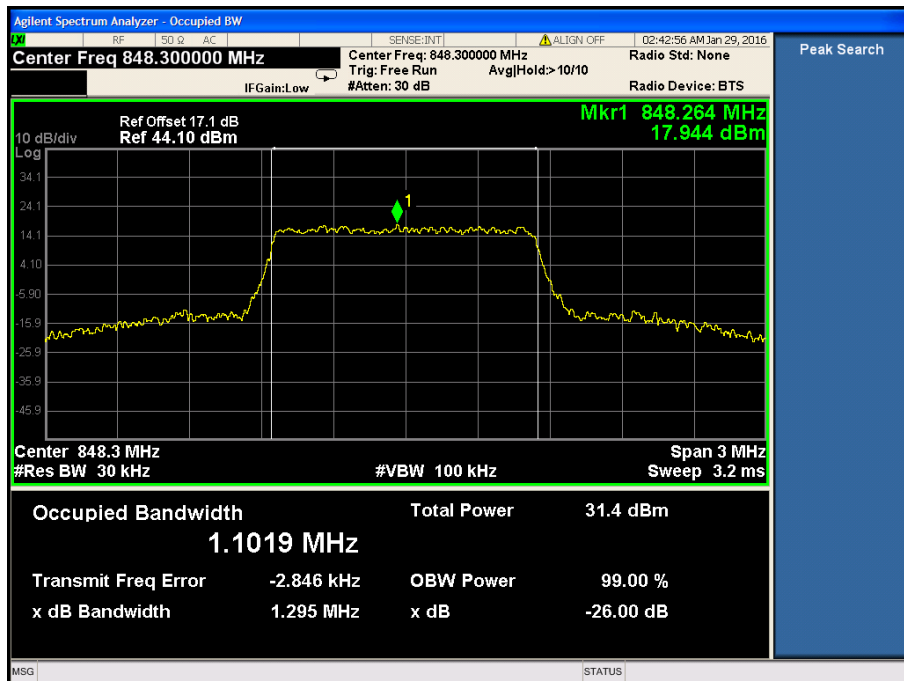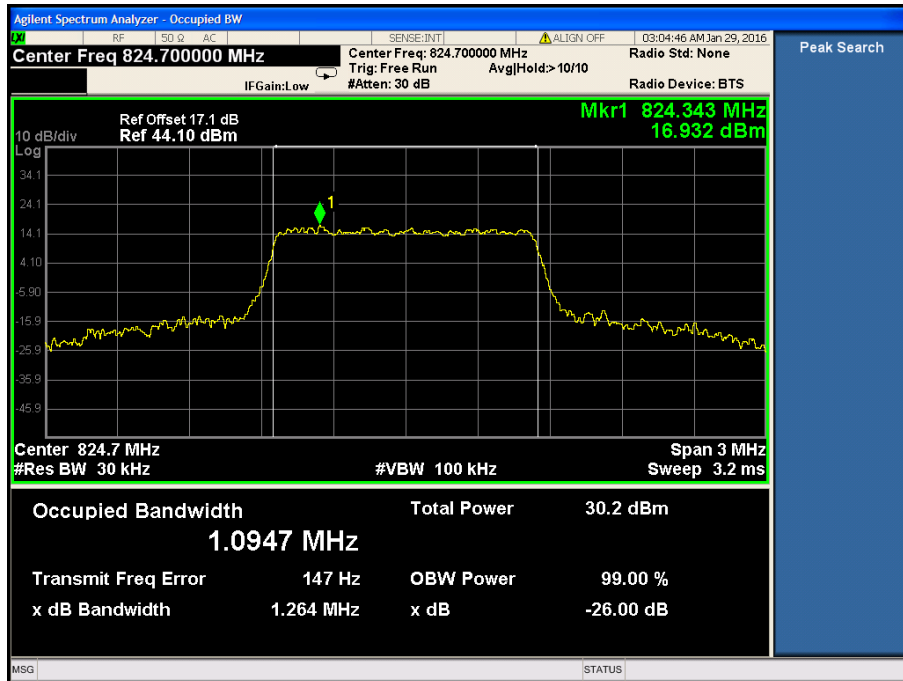
Occupied Bandwidth   Total Power   30.5 dBm

17.925 MHz

Transmit Freq Error	17.459 kHz	OBW Power	99.00 %
x dB Bandwidth	19.42 MHz	x dB	-26.00 dB

4.3.2.11.3 Test Channel = HCH

Occupied Bandwidth   Total Power   30.4 dBm

17.889 MHz

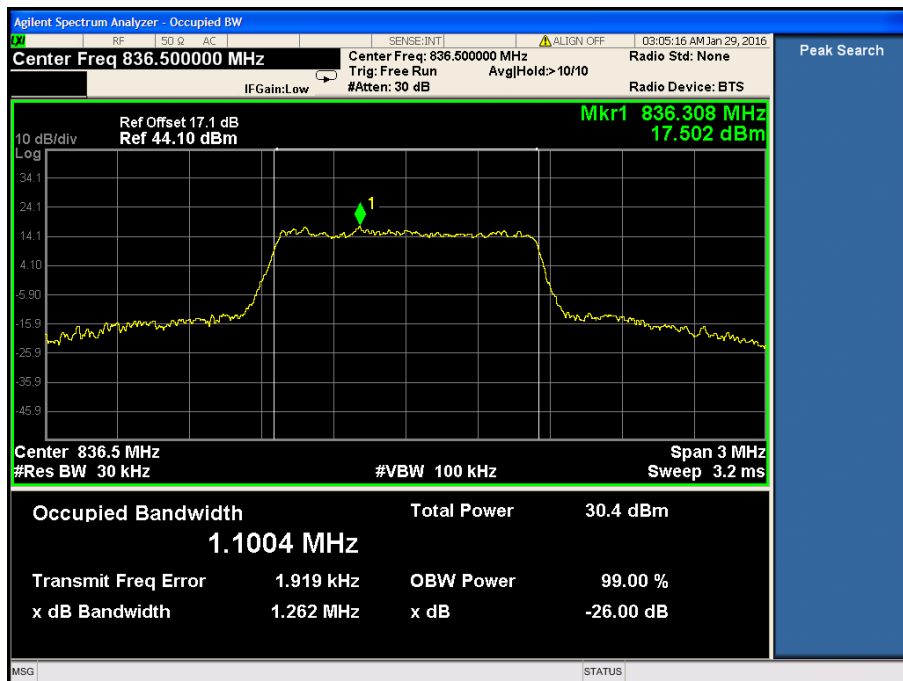|			
Transmit Freq Error	-10.667 kHz	OBW Power	99.00 %
x dB Bandwidth	19.57 MHz	x dB	-26.00 dB

4.3.2.12 Test Mode = LTE/TM2 20MHz

4.3.2.12.1 Test Channel = LCH

4.3.2.12.2 Test Channel = MCH

4.3.2.12.3 Test Channel = HCH

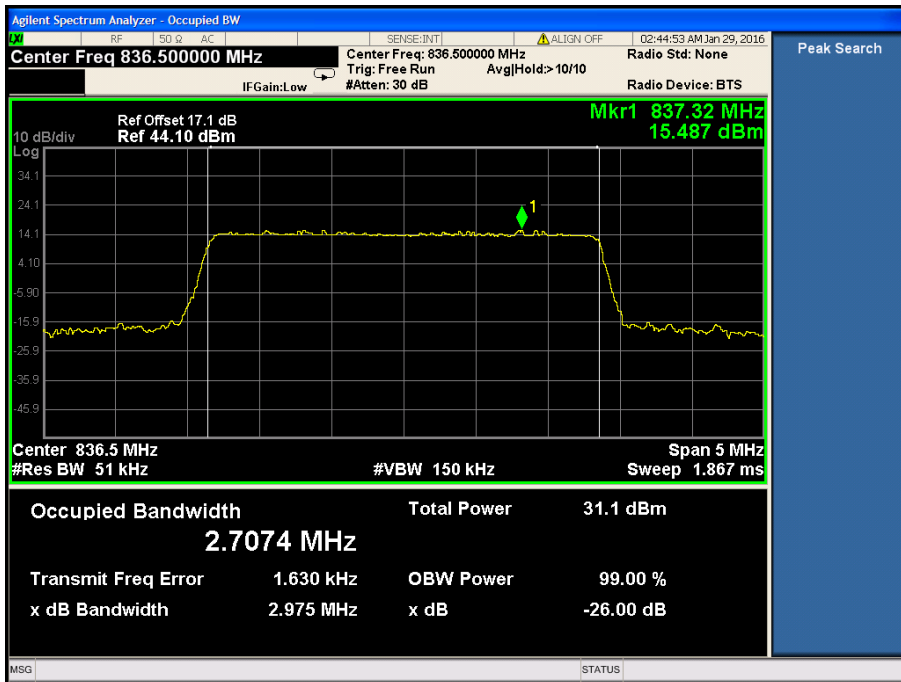| Occupied Bandwidth		Total Power	30.0 dBm
17.886 MHz			
Transmit Freq Error	20.062 kHz	OBW Power	99.00 %
x dB Bandwidth	19.39 MHz	x dB	-26.00 dB

4.3.3 Test Band = LTE Band 5

4.3.3.1 Test Mode = LTE/TM1 1.4MHz

4.3.3.1.1 Test Channel = LCH

Occupied Bandwidth		Total Power	30.8 dBm
1.0984 MHz			
Transmit Freq Error	-1.586 kHz	OBW Power	99.00 %
x dB Bandwidth	1.275 MHz	x dB	-26.00 dB

4.3.3.1.2 Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW		
RF 50 Ω AC	SENSE:INT	ALIGN OFF	02:41:53 AM Jan 29, 2016

Center Freq 836.500000 MHz

Center Freq: 836.500000 MHz
Trig: Free Run   Avg|Hold:> 10/10
IFGain:Low   #Atten: 30 dB

Radio Std: None
Radio Device: BTS

Peak Search

Ref Offset 17.1 dB
10 dB/div   Ref 44.10 dBm
Log

Mkr1 836.509 MHz
17.480 dBm

34.1
24.1
14.1
4.10
-5.90
-15.9
-25.9
-35.9
-45.9

Center 836.5 MHz
#Res BW 30 kHz   #VBW 100 kHz

Span 3 MHz
Sweep 3.2 ms

Occupied Bandwidth	Total Power	31.4 dBm
1.1019 MHz		
Transmit Freq Error	1.150 kHz	OBW Power	99.00 %
x dB Bandwidth	1.301 MHz	x dB	-26.00 dB

MSG   STATUS

4.3.3.1.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW		
RF 50 Ω AC	SENSE:INT	ALIGN OFF	02:42:56 AM Jan 29, 2016

Center Freq 848.300000 MHz

Center Freq: 848.300000 MHz
Trig: Free Run   Avg|Hold:> 10/10
IFGain:Low   #Atten: 30 dB

Radio Std: None
Radio Device: BTS

Peak Search

Ref Offset 17.1 dB
10 dB/div   Ref 44.10 dBm
Log

Mkr1 848.264 MHz
17.944 dBm

34.1
24.1
14.1
4.10
-5.90
-15.9
-25.9
-35.9
-45.9

Center 848.3 MHz
#Res BW 30 kHz   #VBW 100 kHz

Span 3 MHz
Sweep 3.2 ms

Occupied Bandwidth	Total Power	31.4 dBm
1.1019 MHz		
Transmit Freq Error	-2.846 kHz	OBW Power	99.00 %
x dB Bandwidth	1.295 MHz	x dB	-26.00 dB

MSG   STATUS

4.3.3.2   Test Mode = LTE/TM2 1.4MHz

4.3.3.2.1 Test Channel = LCH

4.3.3.2.2 Test Channel = MCH

4.3.3.2.3 Test Channel = HCH
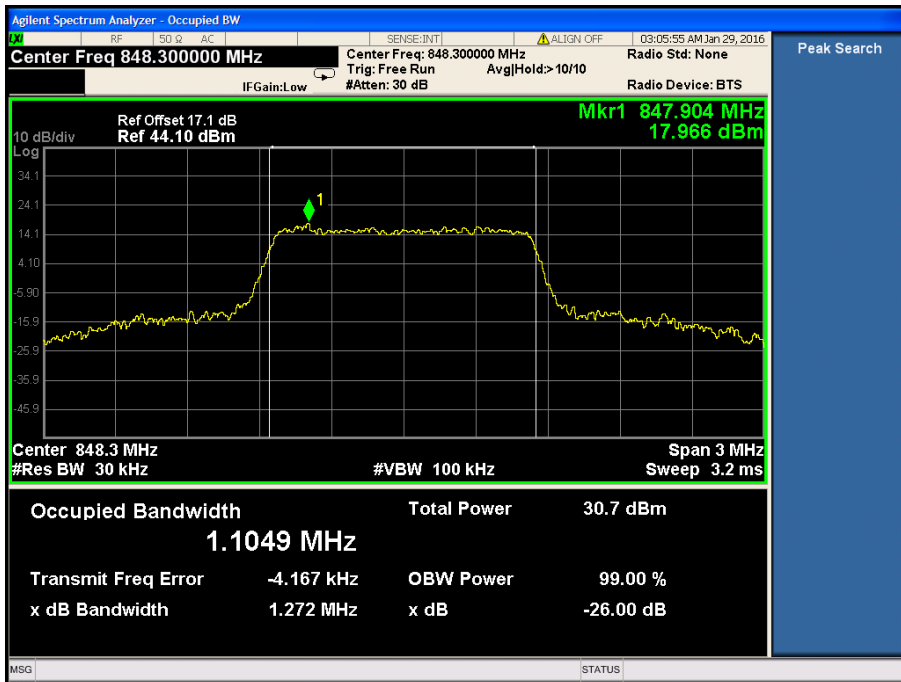
4.3.3.3 Test Mode = LTE/TM1 3MHz

4.3.3.3.1 Test Channel = LCH

4.3.3.3.2 Test Channel = MCH

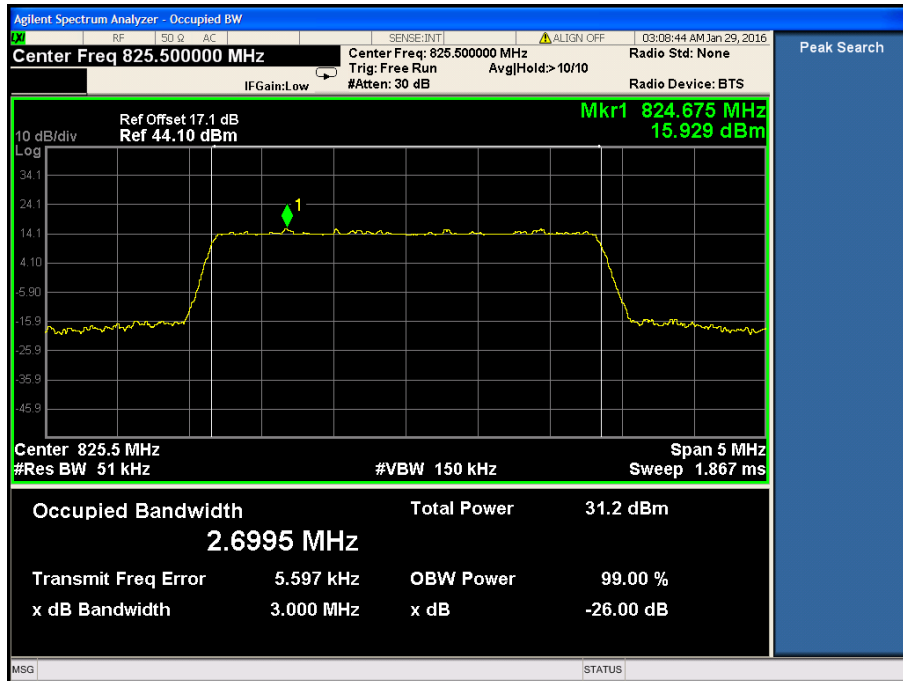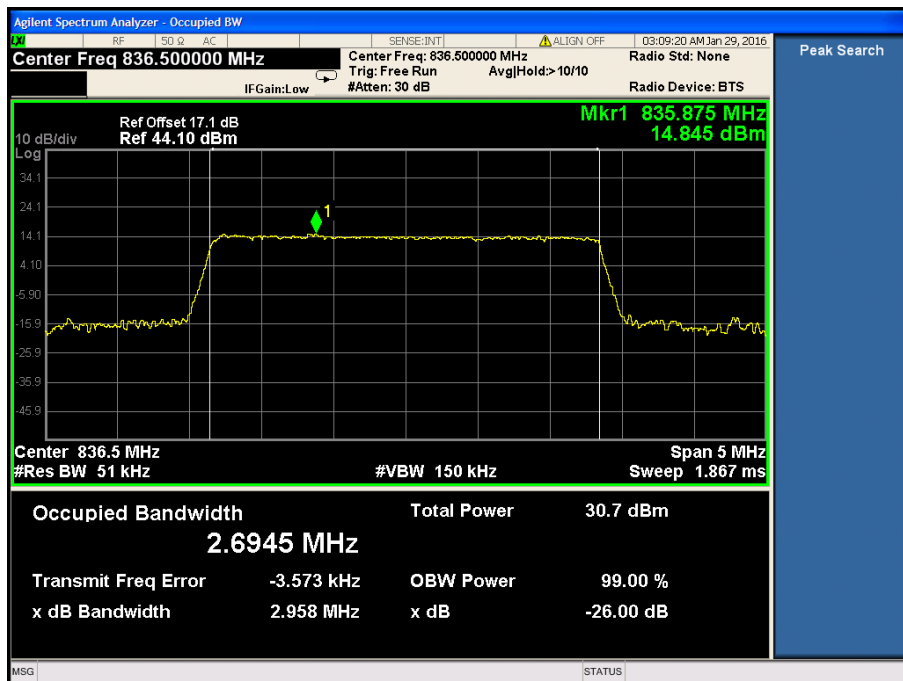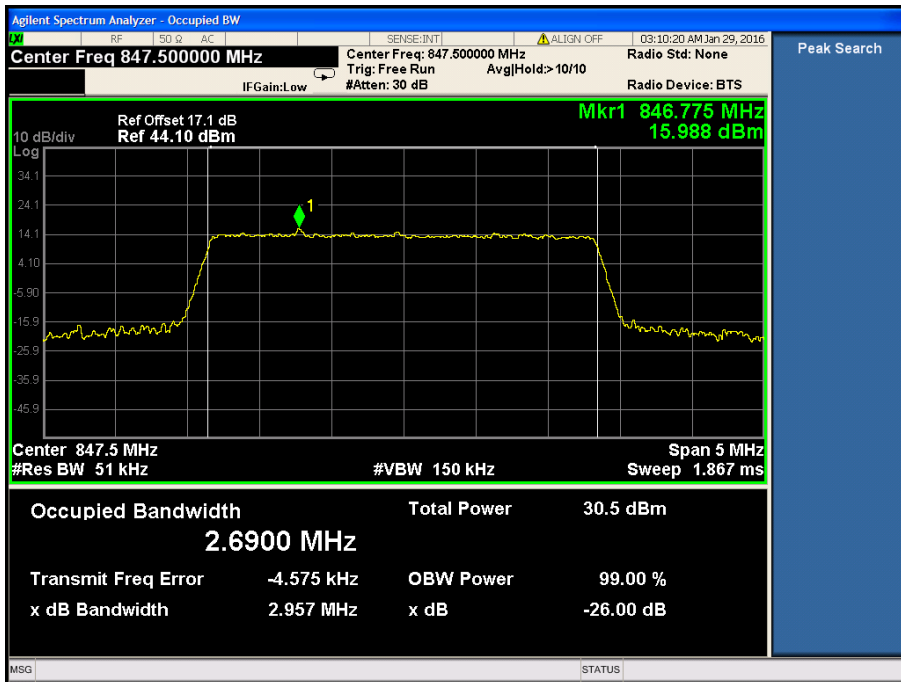Occupied Bandwidth: 2.7074 MHz
Total Power: 31.1 dBm
Transmit Freq Error: 1.630 kHz
OBW Power: 99.00 %
x dB Bandwidth: 2.975 MHz
x dB: -26.00 dB
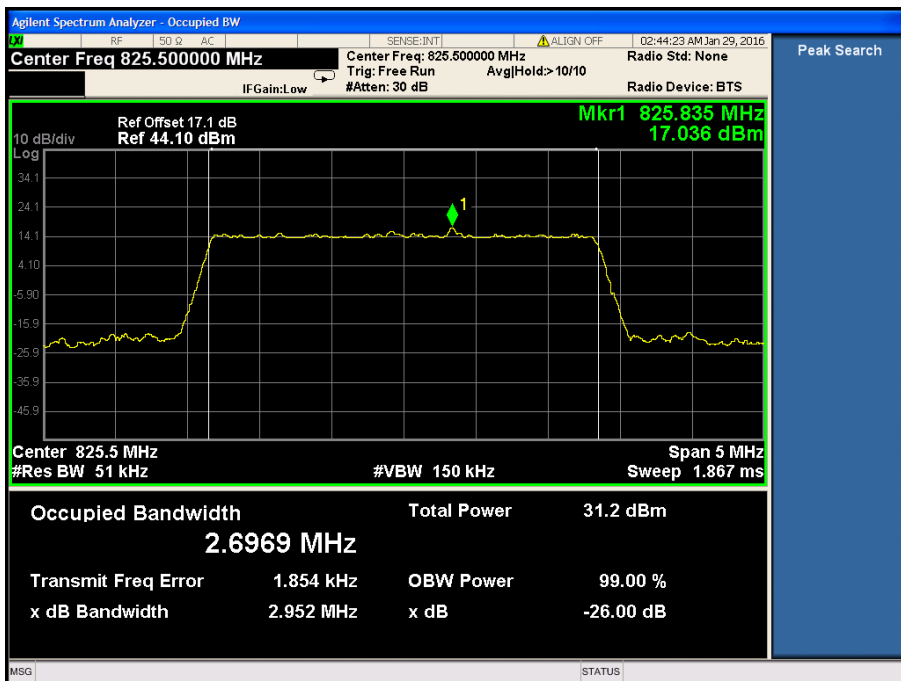
4.3.3.3.3 Test Channel = HCH

Occupied Bandwidth: 2.6998 MHz
Total Power: 31.3 dBm
Transmit Freq Error: -2.201 kHz
OBW Power: 99.00 %
x dB Bandwidth: 2.964 MHz
x dB: -26.00 dB
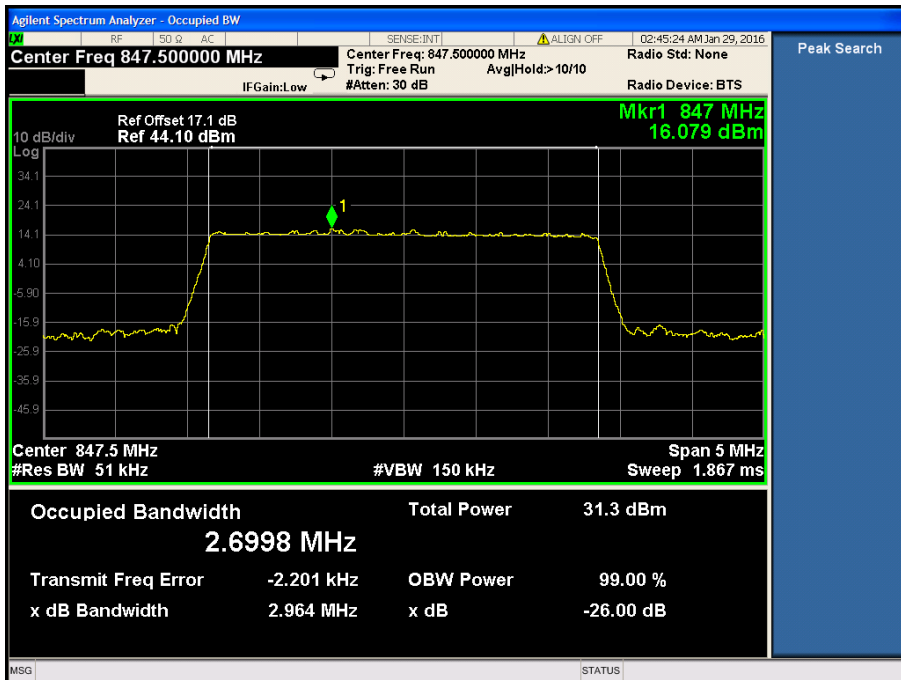
4.3.3.4 Test Mode = LTE/TM2 3MHz

4.3.3.4.1 Test Channel = LCH

4.3.3.4.2 Test Channel = MCH

4.3.3.4.3 Test Channel = HCH

Occupied Bandwidth		Total Power	30.5 dBm
2.6900 MHz			
Transmit Freq Error	-4.575 kHz	OBW Power	99.00 %
x dB Bandwidth	2.957 MHz	x dB	-26.00 dB

4.3.3.5　Test Mode = LTE/TM1 5MHz

4.3.3.5.1 Test Channel = LCH

Occupied Bandwidth		Total Power	32.1 dBm
4.5399 MHz			
Transmit Freq Error	5.609 kHz	OBW Power	99.00 %
x dB Bandwidth	5.098 MHz	x dB	-26.00 dB

4.3.3.5.2 Test Channel = MCH

Occupied Bandwidth	
4.5284 MHz	Total Power 30.5 dBm
Transmit Freq Error -4.664 kHz	OBW Power 99.00 %
x dB Bandwidth 5.094 MHz	x dB -26.00 dB

4.3.3.5.3 Test Channel = HCH

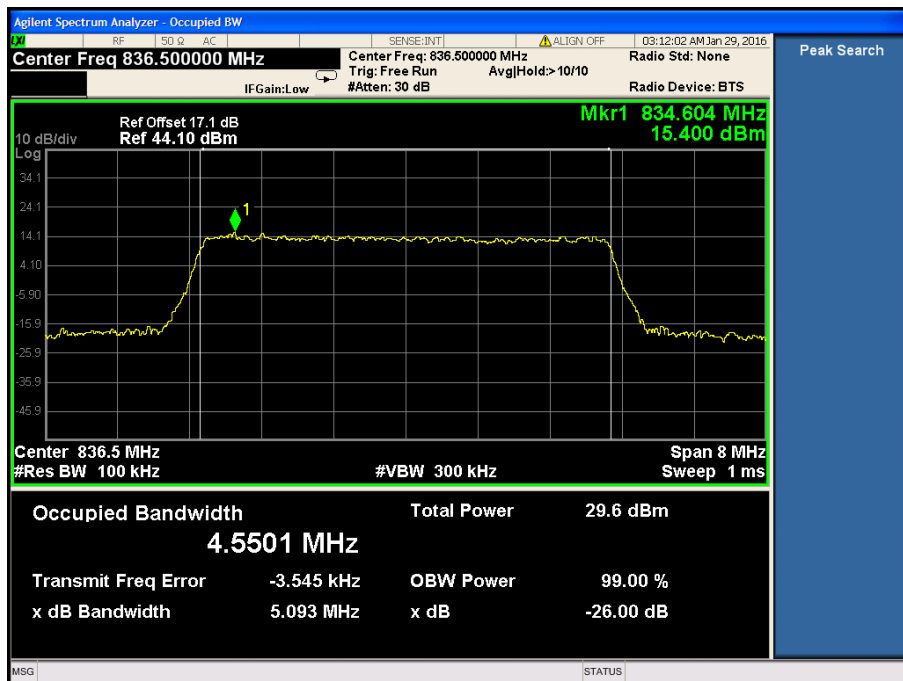|	
Occupied Bandwidth	
4.5146 MHz	Total Power 31.1 dBm
Transmit Freq Error 3.371 kHz	OBW Power 99.00 %
x dB Bandwidth 5.057 MHz	x dB -26.00 dB

4.3.3.6   Test Mode = LTE/TM2 5MHz

4.3.3.6.1 Test Channel = LCH
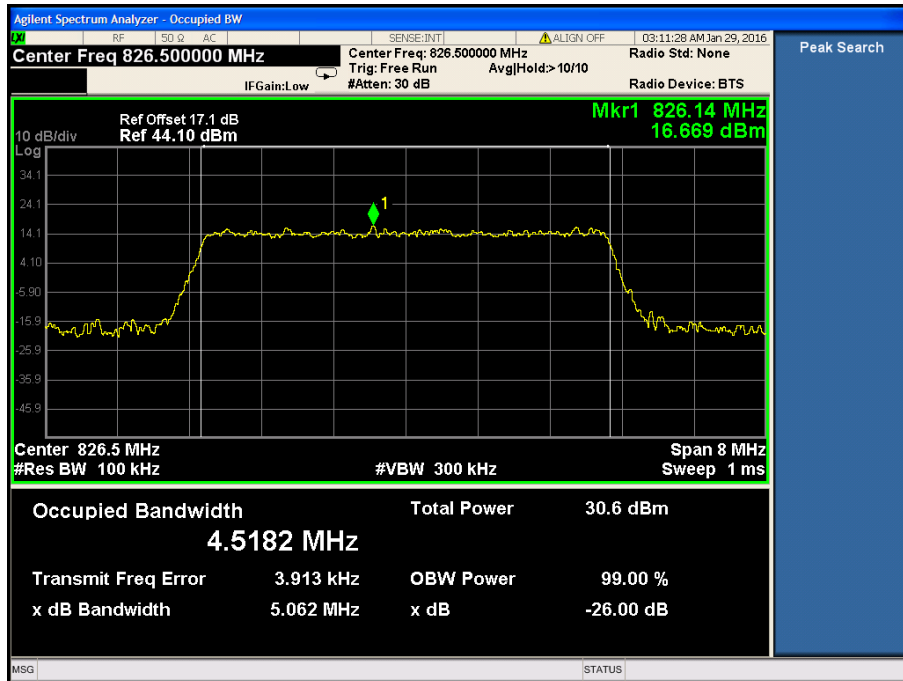
4.3.3.6.2 Test Channel = MCH

4.3.3.6.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW	
Center Freq 846.500000 MHz	Center Freq: 846.500000 MHz Radio Std: None Peak Search
	Trig: Free Run Avg|Hold:> 10/10
IFGain:Low	#Atten: 30 dB Radio Device: BTS

Ref Offset 17.1 dB
Ref 44.10 dBm

Mkr1 845.668 MHz
14.832 dBm

Center 846.5 MHz   Span 8 MHz
#Res BW 100 kHz   #VBW 300 kHz   Sweep 1 ms

Occupied Bandwidth		Total Power	29.8 dBm
	4.5424 MHz		
Transmit Freq Error	426 Hz	OBW Power	99.00 %
x dB Bandwidth	5.108 MHz	x dB	-26.00 dB

4.3.3.7　　Test Mode = LTE/TM1 10MHz

4.3.3.7.1 Test Channel = LCH
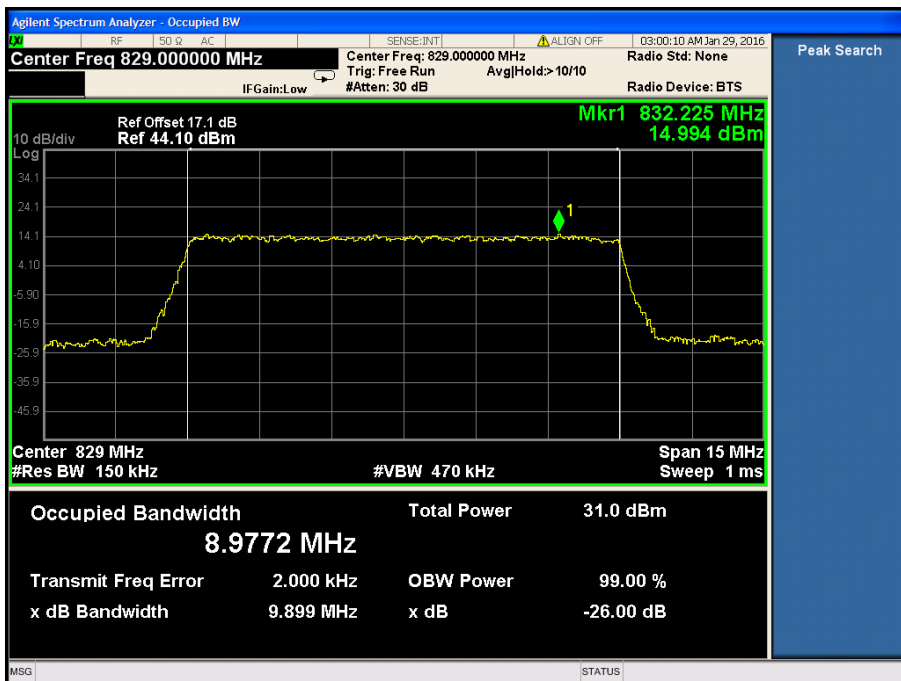
Agilent Spectrum Analyzer - Occupied BW	
Center Freq 829.000000 MHz	Center Freq: 829.000000 MHz Radio Std: None Peak Search
	Trig: Free Run Avg|Hold:> 10/10
IFGain:Low	#Atten: 30 dB Radio Device: BTS

Ref Offset 17.1 dB
Ref 44.10 dBm

Mkr1 832.225 MHz
14.994 dBm

Center 829 MHz   Span 15 MHz
#Res BW 150 kHz   #VBW 470 kHz   Sweep 1 ms

Occupied Bandwidth		Total Power	31.0 dBm
	8.9772 MHz		
Transmit Freq Error	2.000 kHz	OBW Power	99.00 %
x dB Bandwidth	9.899 MHz	x dB	-26.00 dB

4.3.3.7.2 Test Channel = MCH

4.3.3.7.3 Test Channel = HCH

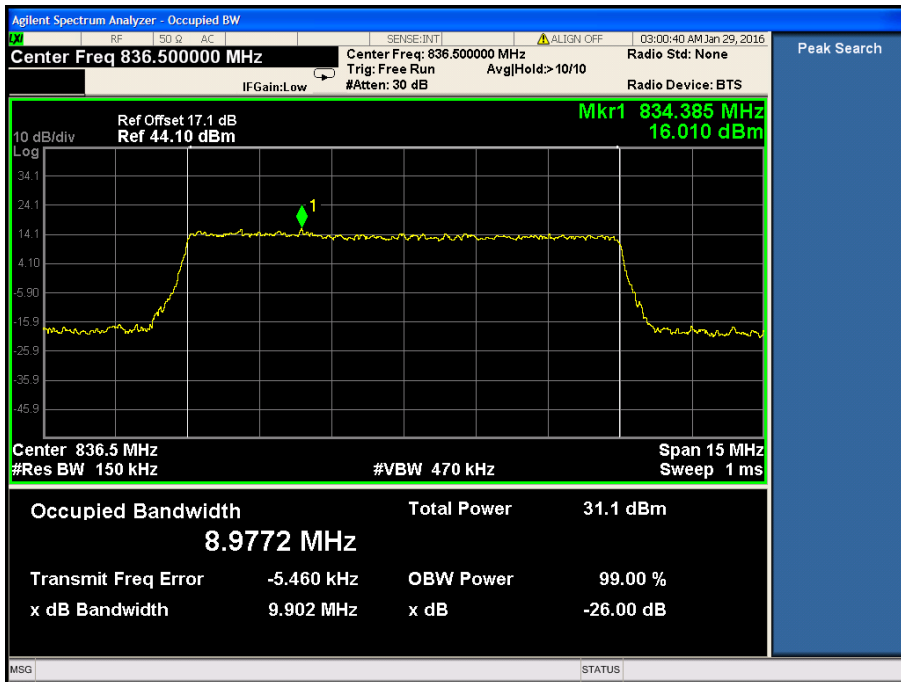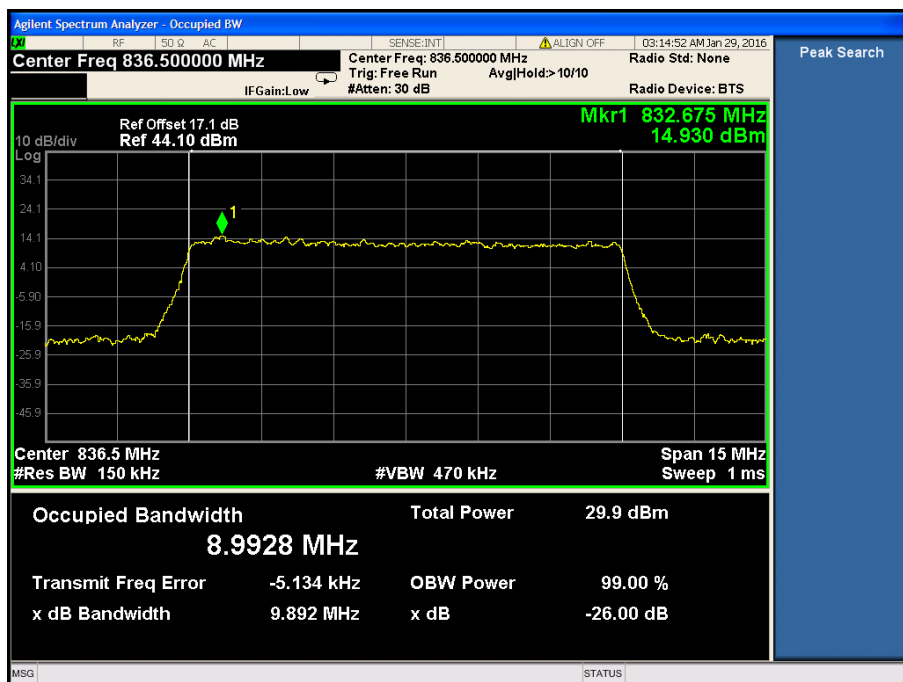### 4.3.3.8   Test Mode = LTE/TM2 10MHz

4.3.3.8.1 Test Channel = LCH
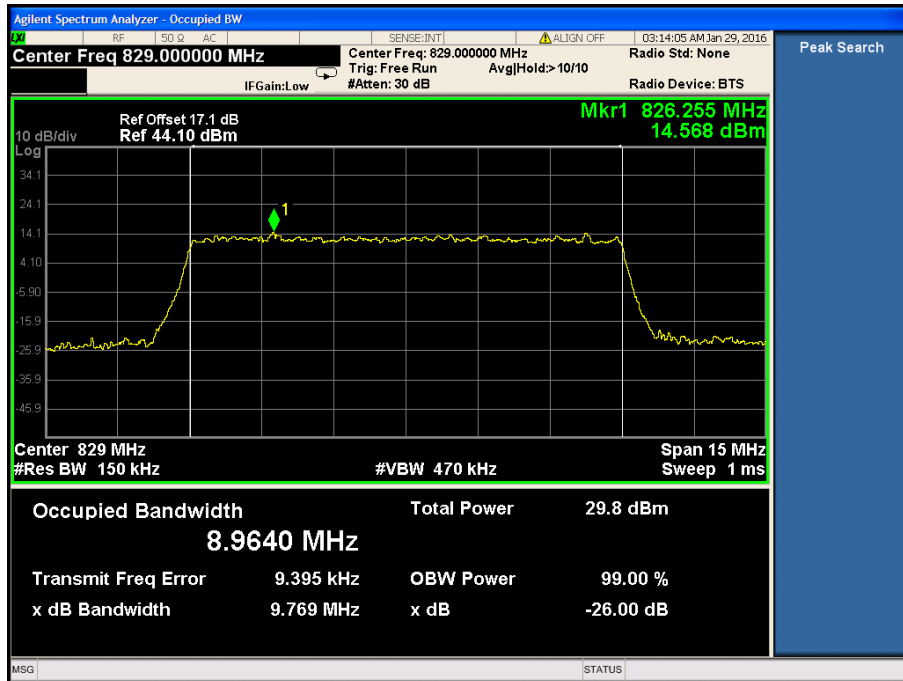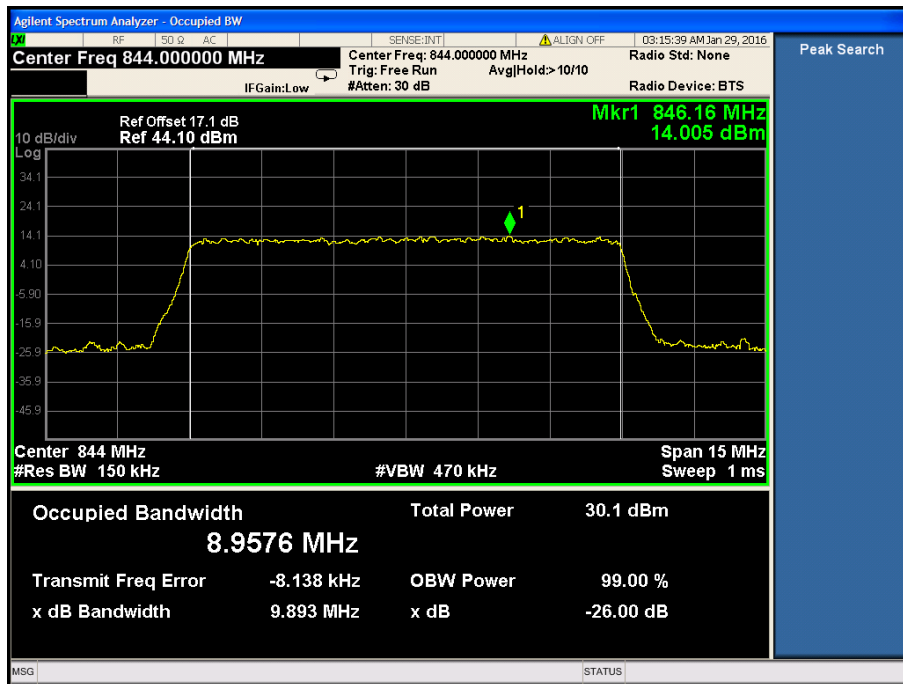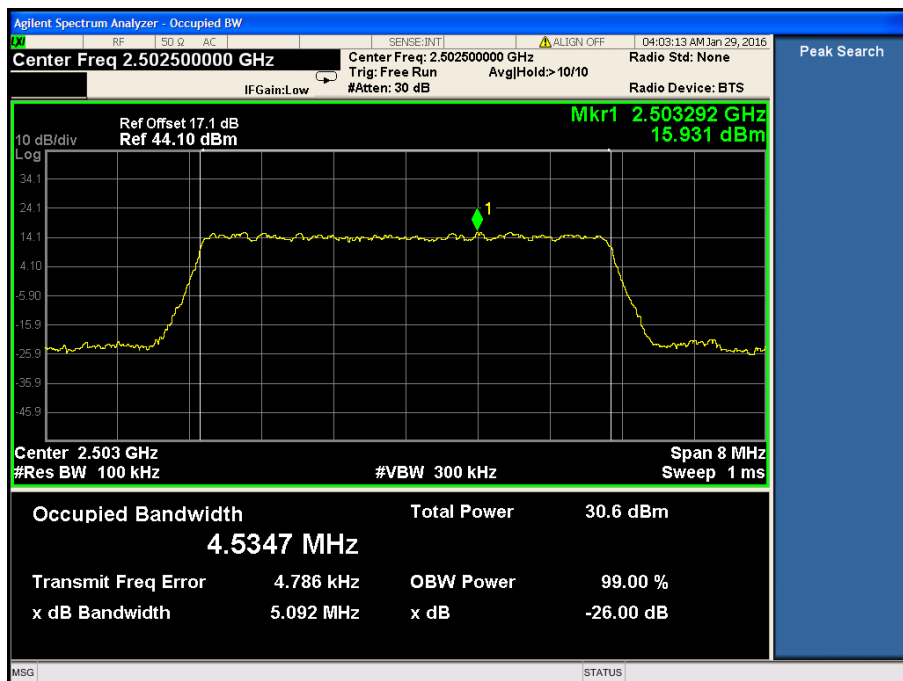

4.3.3.8.2 Test Channel = MCH

4.3.3.8.3 Test Channel = HCH

4.3.4 Test Band = LTE Band 7

4.3.4.1   Test Mode = LTE/TM1 5MHz

4.3.4.1.1 Test Channel = LCH
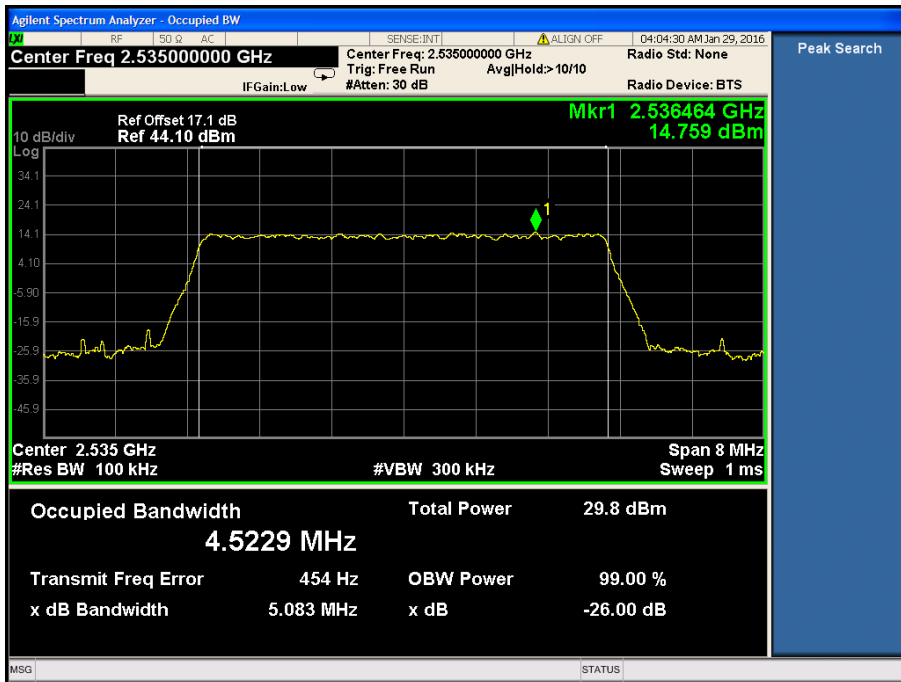
4.3.4.1.2 Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.535000000 GHz

Center Freq: 2.535000000 GHz	Radio Std: None
Trig: Free Run Avg|Hold:> 10/10	
IFGain:Low #Atten: 30 dB	Radio Device: BTS

Ref Offset 17.1 dB
Ref 44.10 dBm

Mkr1 2.536464 GHz
14.759 dBm

10 dB/div
Log

Center 2.535 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 8 MHz
Sweep 1 ms

Peak Search

Occupied Bandwidth	Total Power	29.8 dBm
4.5229 MHz		
Transmit Freq Error 454 Hz	OBW Power	99.00 %
x dB Bandwidth 5.083 MHz	x dB	-26.00 dB

4.3.4.1.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.567500000 GHz

Center Freq: 2.567500000 GHz	Radio Std: None
Trig: Free Run Avg|Hold:> 10/10	
IFGain:Low #Atten: 30 dB	Radio Device: BTS

Ref Offset 17.1 dB
Ref 44.10 dBm

Mkr1 2.567164 GHz
15.785 dBm

10 dB/div
Log

Center 2.568 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 8 MHz
Sweep 1 ms

Peak Search

Occupied Bandwidth	Total Power	30.2 dBm
4.5156 MHz		
Transmit Freq Error 7.146 kHz	OBW Power	99.00 %
x dB Bandwidth 5.081 MHz	x dB	-26.00 dB

4.3.4.2 Test Mode = LTE/TM2 5MHz

4.3.4.2.1 Test Channel = LCH

Agilent Spectrum Analyzer - Occupied BW			
RF	50 Ω	AC	SENSE:INT	ALIGN OFF	04:55:22 AM Jan 29, 2016

Center Freq 2.502500000 GHz

Center Freq: 2.502500000 GHz
Trig: Free Run   Avg|Hold:> 10/10
#Atten: 30 dB

Radio Std: None
Radio Device: BTS

IFGain:Low

Ref Offset 17.1 dB
10 dB/div Ref 44.10 dBm
Log

Mkr1 2.502132 GHz
15.366 dBm

Center 2.503 GHz   Span 8 MHz
#Res BW 100 kHz   #VBW 300 kHz   Sweep 1 ms

Occupied Bandwidth		Total Power	29.6 dBm
4.5193 MHz			
Transmit Freq Error	1.949 kHz	OBW Power	99.00 %
x dB Bandwidth	5.061 MHz	x dB	-26.00 dB

4.3.4.2.2 Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW			
RF	50 Ω	AC	SENSE:INT	ALIGN OFF	04:56:03 AM Jan 29, 2016

Center Freq 2.535000000 GHz

Center Freq: 2.535000000 GHz
Trig: Free Run   Avg|Hold:> 10/10
#Atten: 30 dB

Radio Std: None
Radio Device: BTS

IFGain:Low

Ref Offset 17.1 dB
10 dB/div Ref 44.10 dBm
Log

Mkr1 2.533088 GHz
14.480 dBm

Center 2.535 GHz   Span 8 MHz
#Res BW 100 kHz   #VBW 300 kHz   Sweep 1 ms

Occupied Bandwidth		Total Power	29.0 dBm
4.5310 MHz			
Transmit Freq Error	2.601 kHz	OBW Power	99.00 %
x dB Bandwidth	5.053 MHz	x dB	-26.00 dB

4.3.4.2.3 Test Channel = HCH

Occupied Bandwidth		Total Power	29.0 dBm
4.5386 MHz			
Transmit Freq Error	1.738 kHz	OBW Power	99.00 %
x dB Bandwidth	5.097 MHz	x dB	-26.00 dB

4.3.4.3　 Test Mode = LTE/TM1 10MHz

4.3.4.3.1　Test Channel = LCH

Occupied Bandwidth		Total Power	30.5 dBm
8.9738 MHz			
Transmit Freq Error	7.349 kHz	OBW Power	99.00 %
x dB Bandwidth	9.967 MHz	x dB	-26.00 dB

4.3.4.3.2 Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW		
Center Freq 2.535000000 GHz	Center Freq: 2.535000000 GHz	Radio Std: None
IFGain:Low	Trig: Free Run Avg|Hold:> 10/10	
	#Atten: 30 dB	Radio Device: BTS

Ref Offset 17.1 dB
Ref 44.10 dBm
10 dB/div
Log

Mkr1 2.532885 GHz
14.571 dBm

Center 2.535 GHz   Span 15 MHz
#Res BW 150 kHz   #VBW 470 kHz   Sweep 1 ms

Occupied Bandwidth		Total Power	29.8 dBm
8.9556 MHz			
Transmit Freq Error	5.431 kHz	OBW Power	99.00 %
x dB Bandwidth	9.806 MHz	x dB	-26.00 dB

4.3.4.3.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW		
Center Freq 2.565000000 GHz	Center Freq: 2.565000000 GHz	Radio Std: None
IFGain:Low	Trig: Free Run Avg|Hold:> 10/10	
	#Atten: 30 dB	Radio Device: BTS

Ref Offset 17.1 dB
Ref 44.10 dBm
10 dB/div
Log

Mkr1 2.56617 GHz
14.653 dBm

Center 2.565 GHz   Span 15 MHz
#Res BW 150 kHz   #VBW 470 kHz   Sweep 1 ms

| Occupied Bandwidth		Total Power	30.3 dBm
8.9626 MHz			
Transmit Freq Error	-2.306 kHz	OBW Power	99.00 %
x dB Bandwidth	9.810 MHz	x dB	-26.00 dB

4.3.4.4   Test Mode = LTE/TM2 10MHz
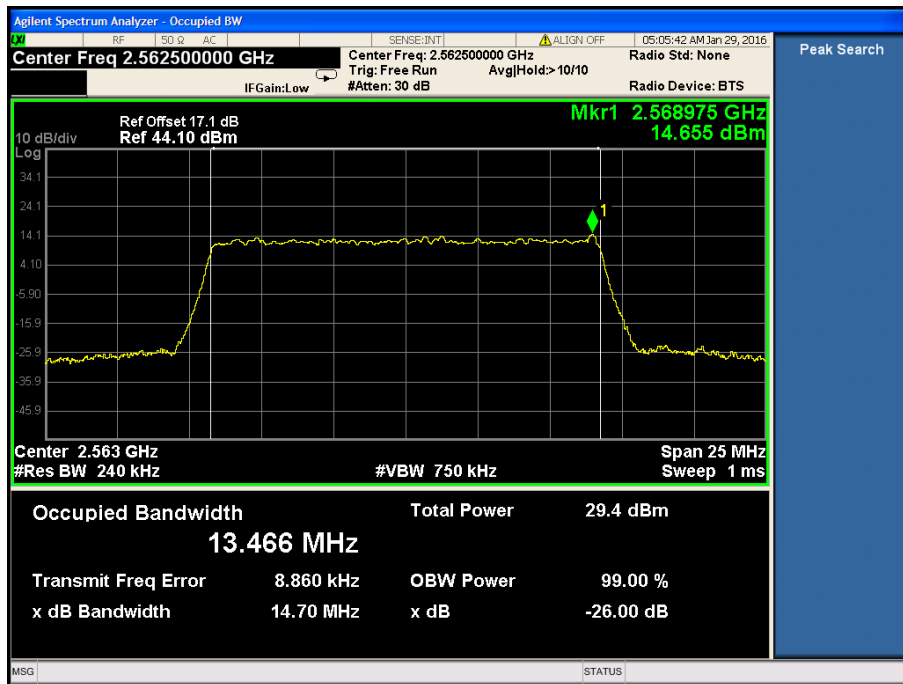
4.3.4.4.1 Test Channel = LCH

4.3.4.4.2 Test Channel = MCH
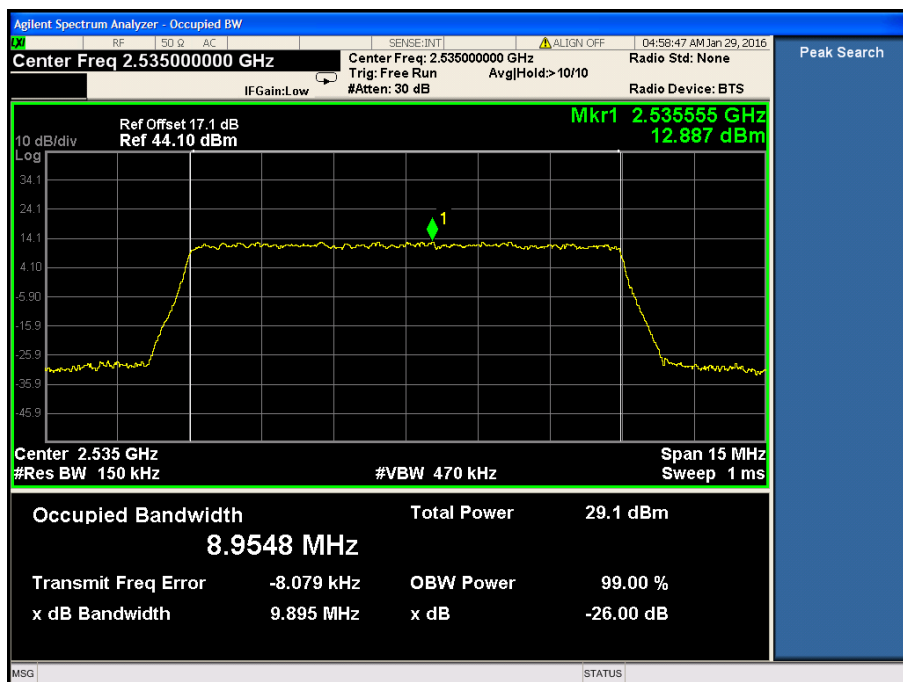
4.3.4.4.3 Test Channel = HCH
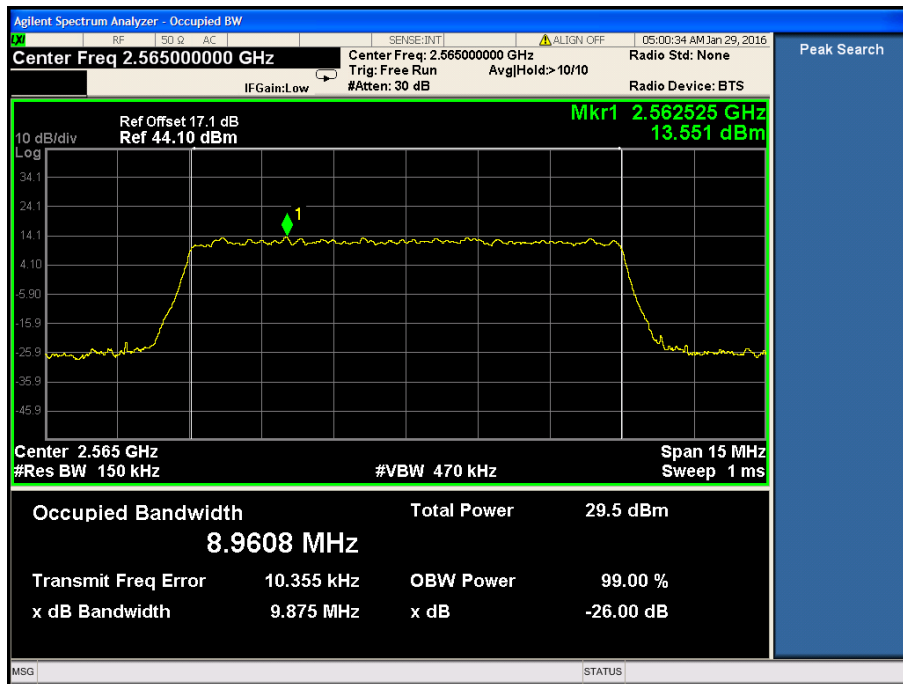
4.3.4.5   Test Mode = LTE/TM1 15MHz

4.3.4.5.1 Test Channel = LCH
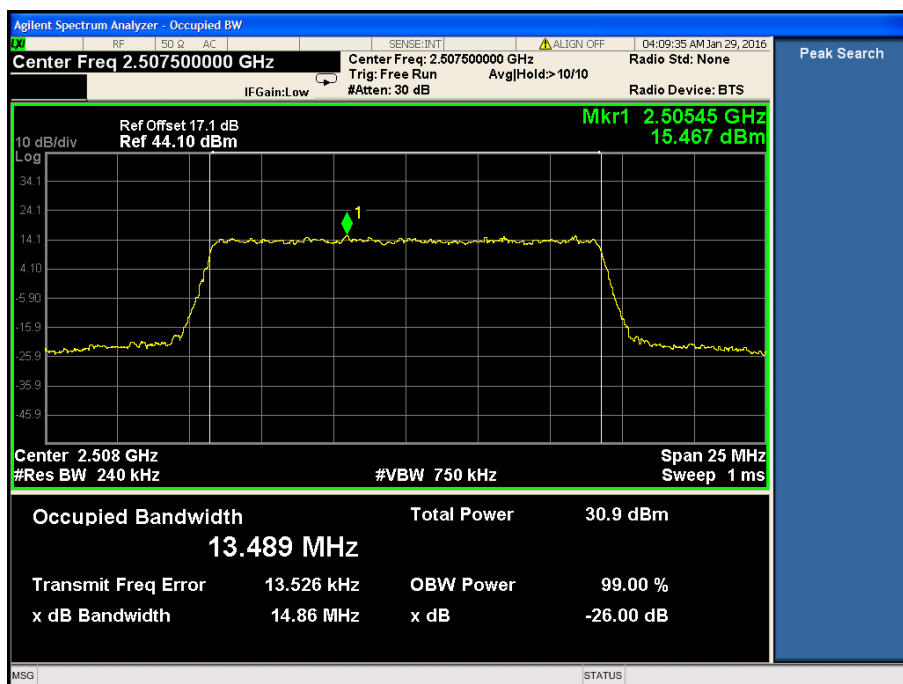
4.3.4.5.2 Test Channel = MCH

4.3.4.5.3 Test Channel = HCH

4.3.4.6   Test Mode = LTE/TM2 15MHz

4.3.4.6.1 Test Channel = LCH
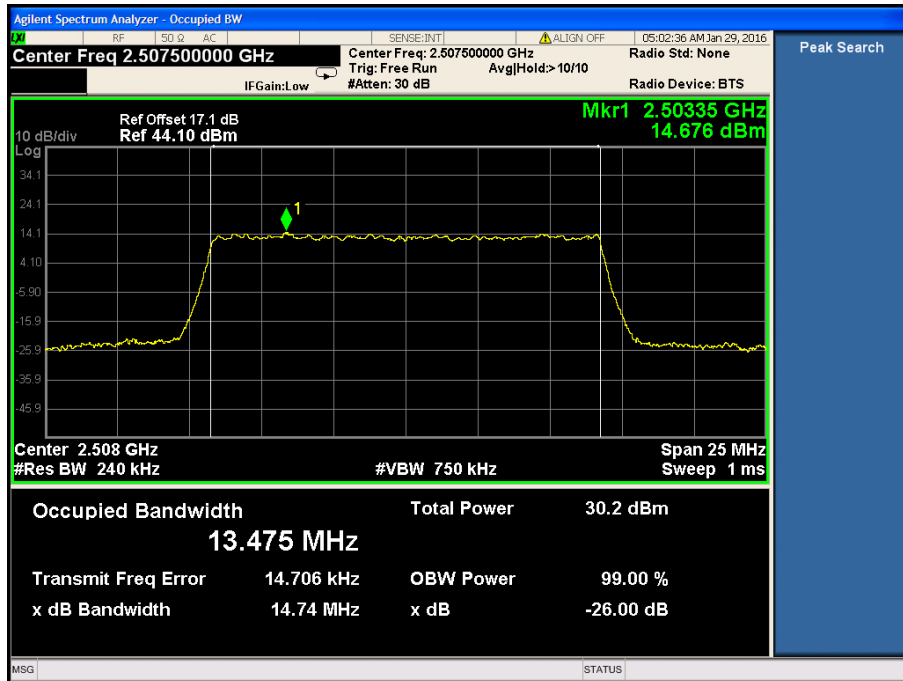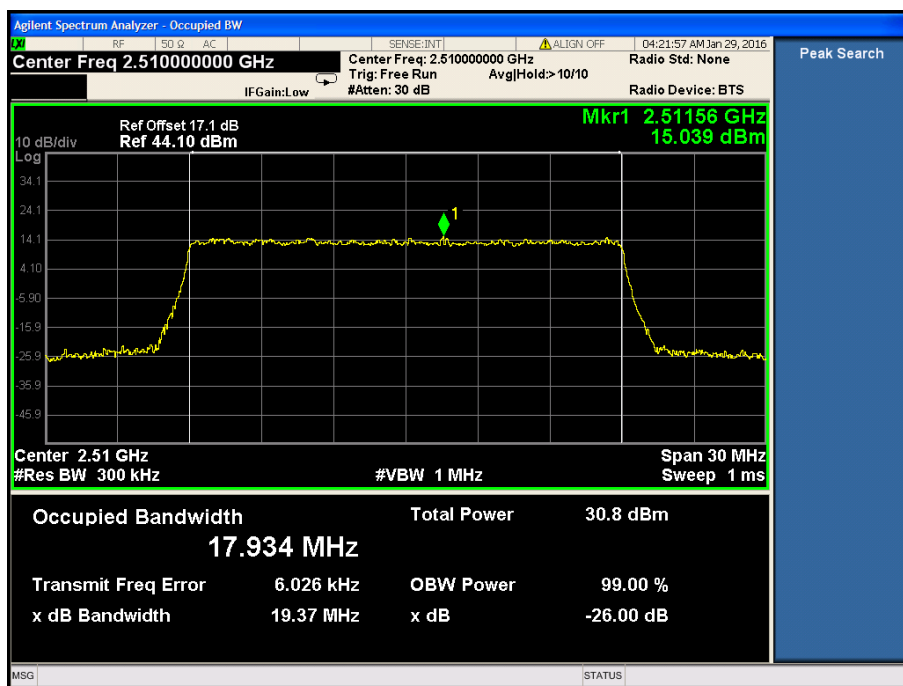

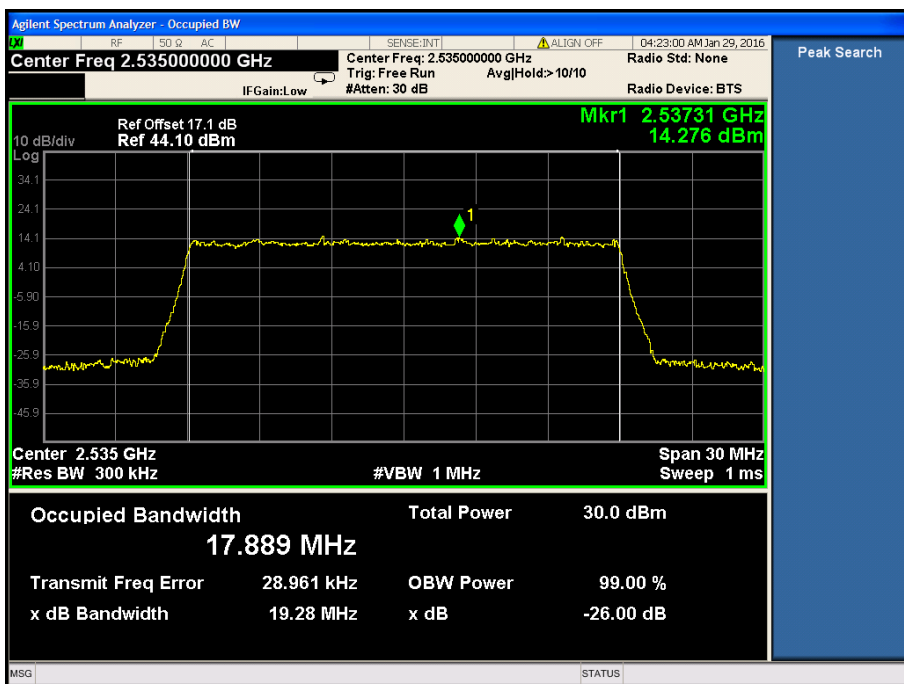#### 4.3.4.6.2 Test Channel = MCH
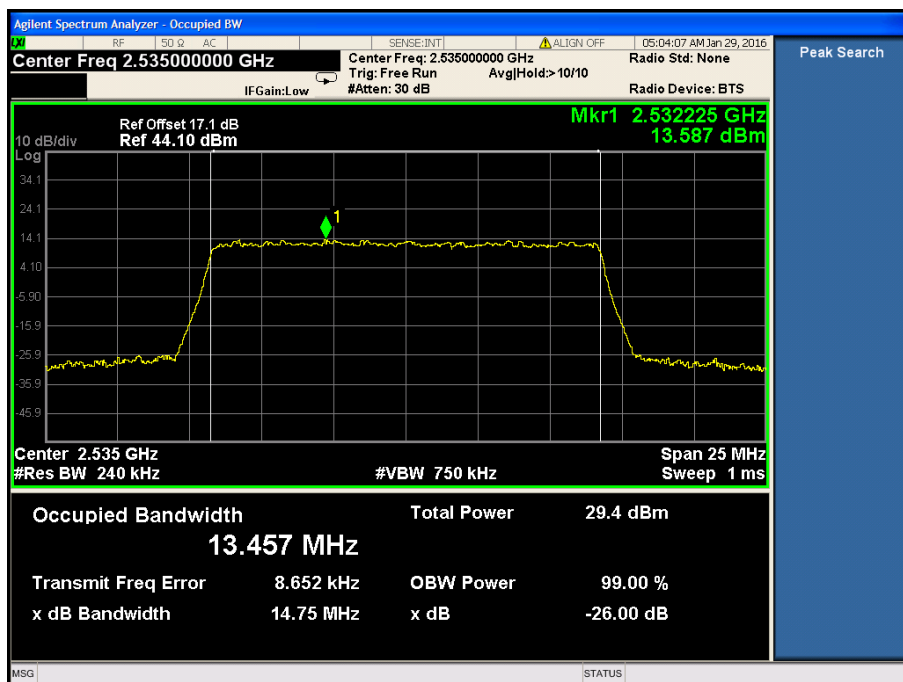
4.3.4.6.3 Test Channel = HCH

4.3.4.7 Test Mode = LTE/TM1 20MHz
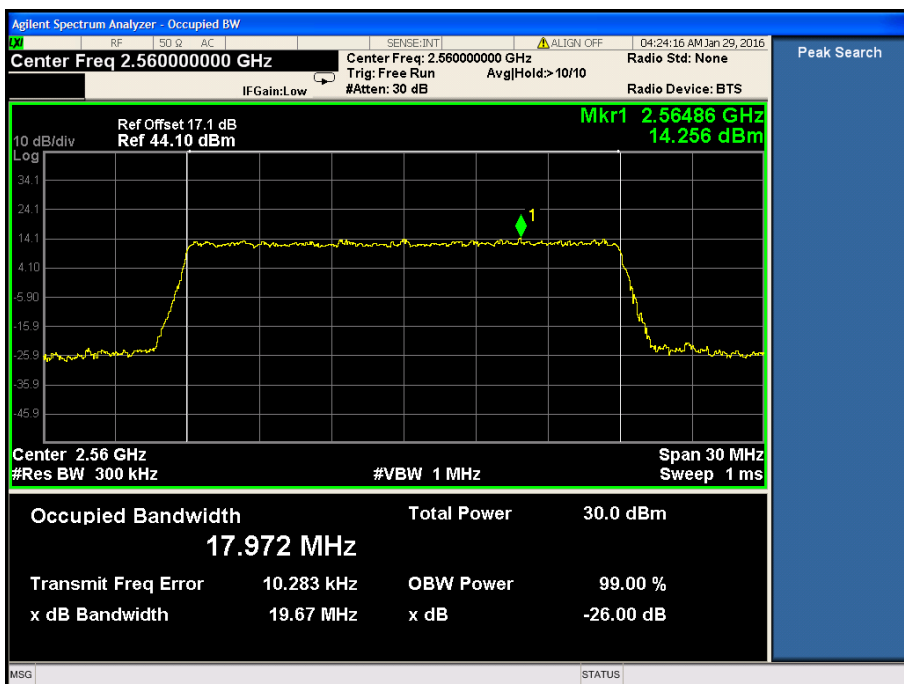
4.3.4.7.1 Test Channel = LCH

4.3.4.7.2 Test Channel = MCH

4.3.4.7.3 Test Channel = HCH
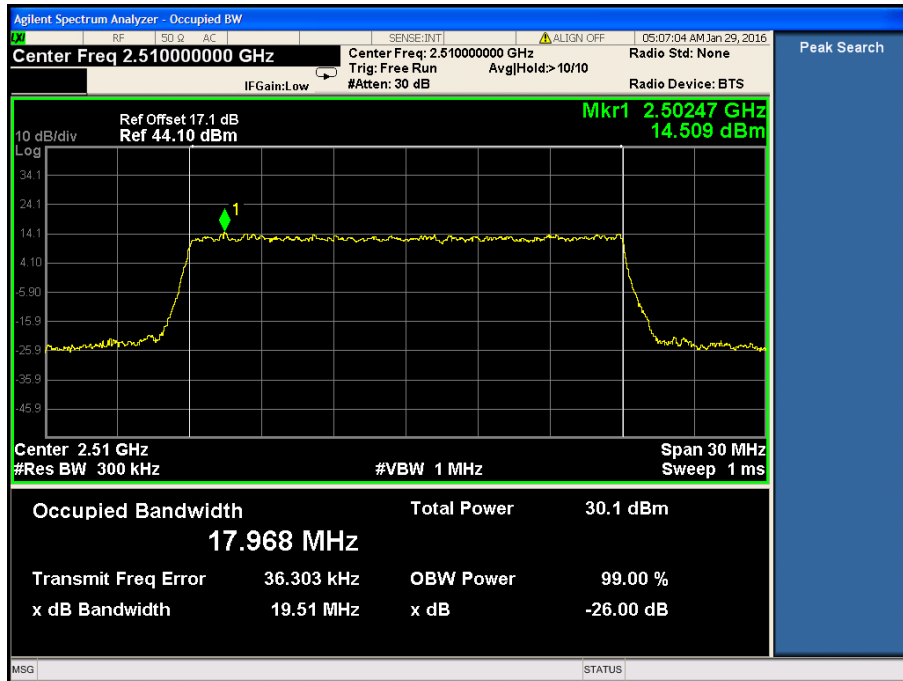
4.3.4.8   Test Mode = LTE/TM2 20MHz

4.3.4.8.1 Test Channel = LCH

4.3.4.8.2 Test Channel = MCH