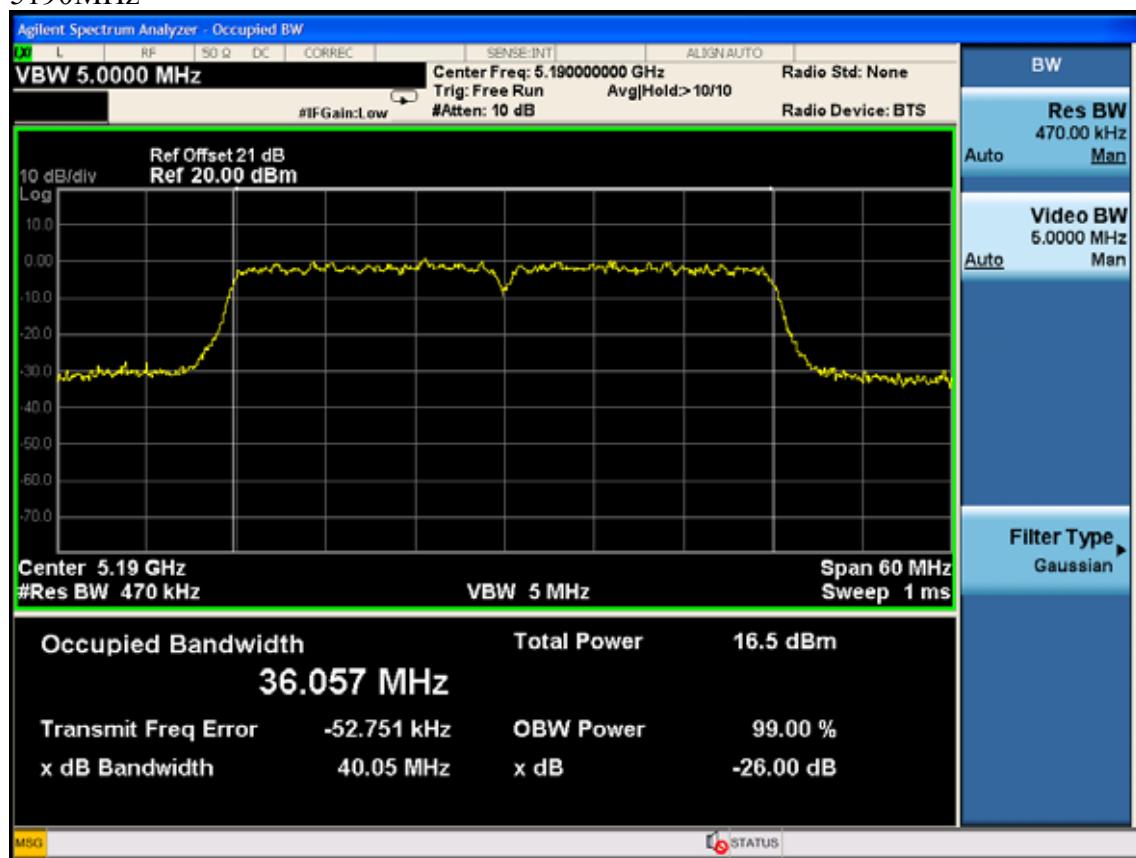
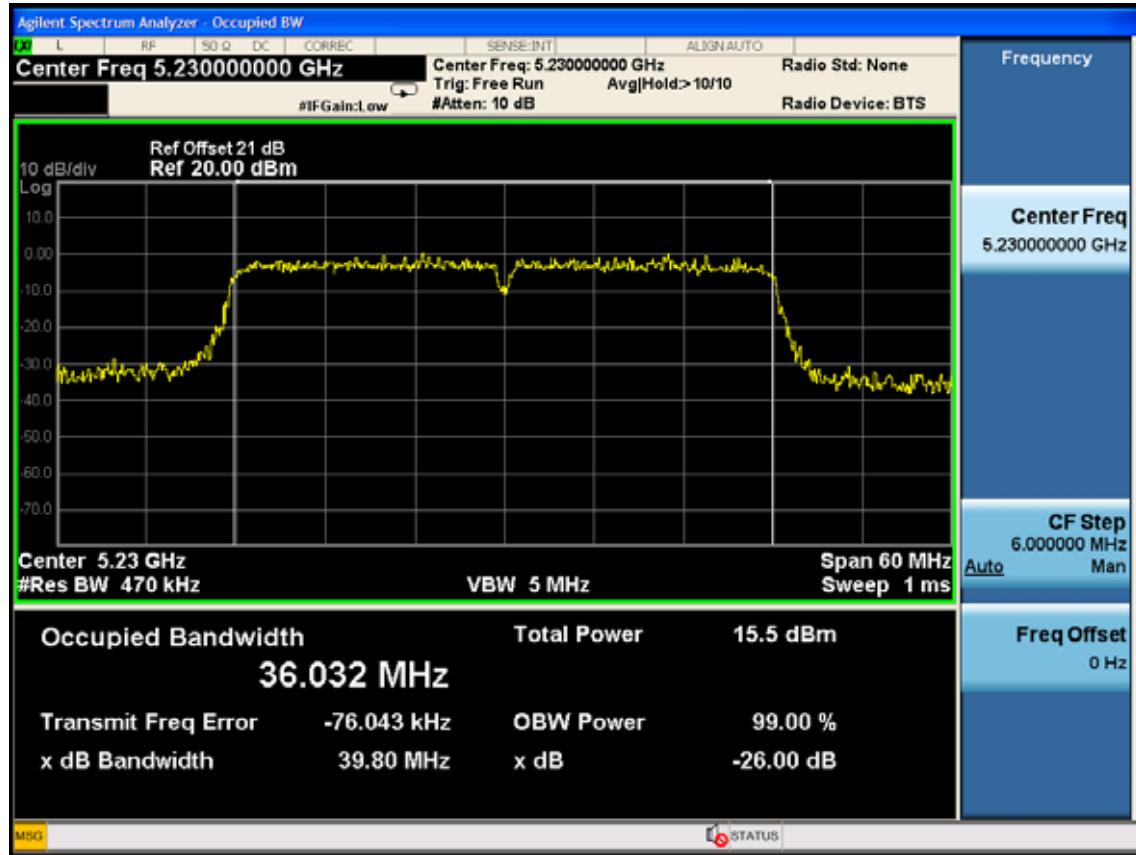
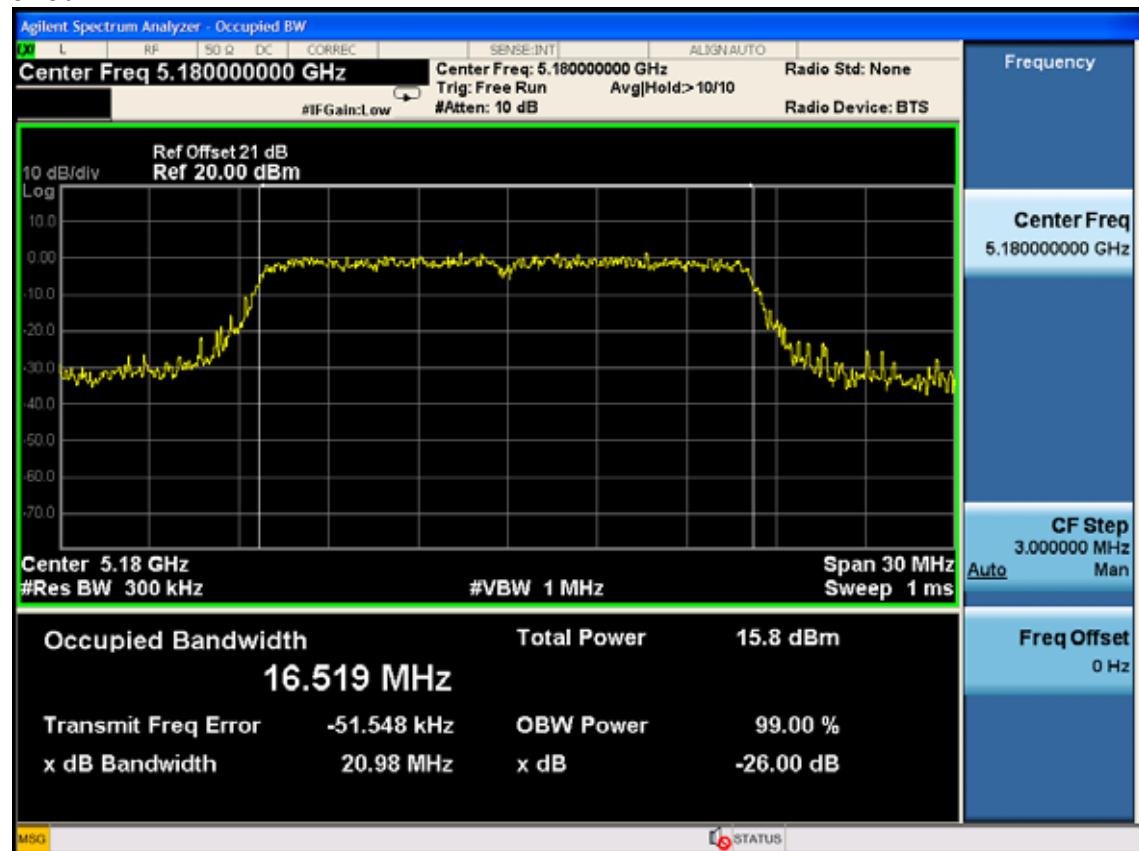
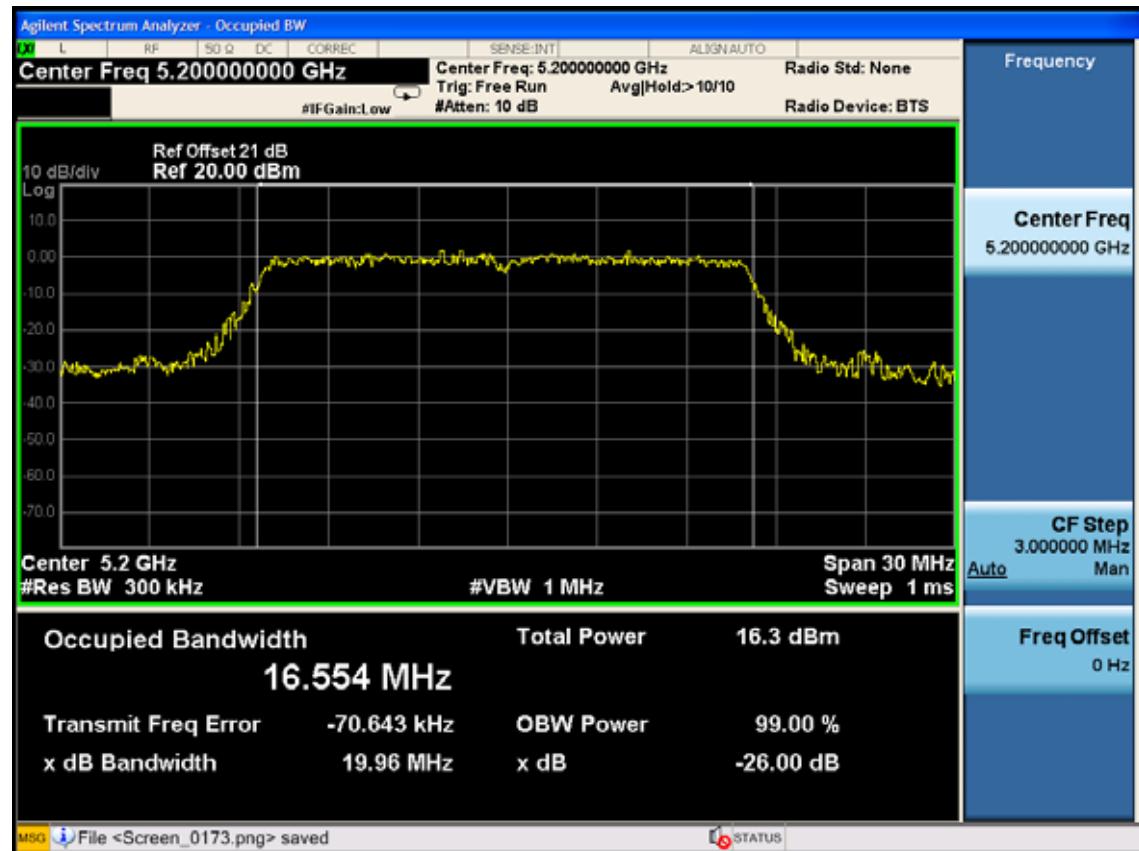


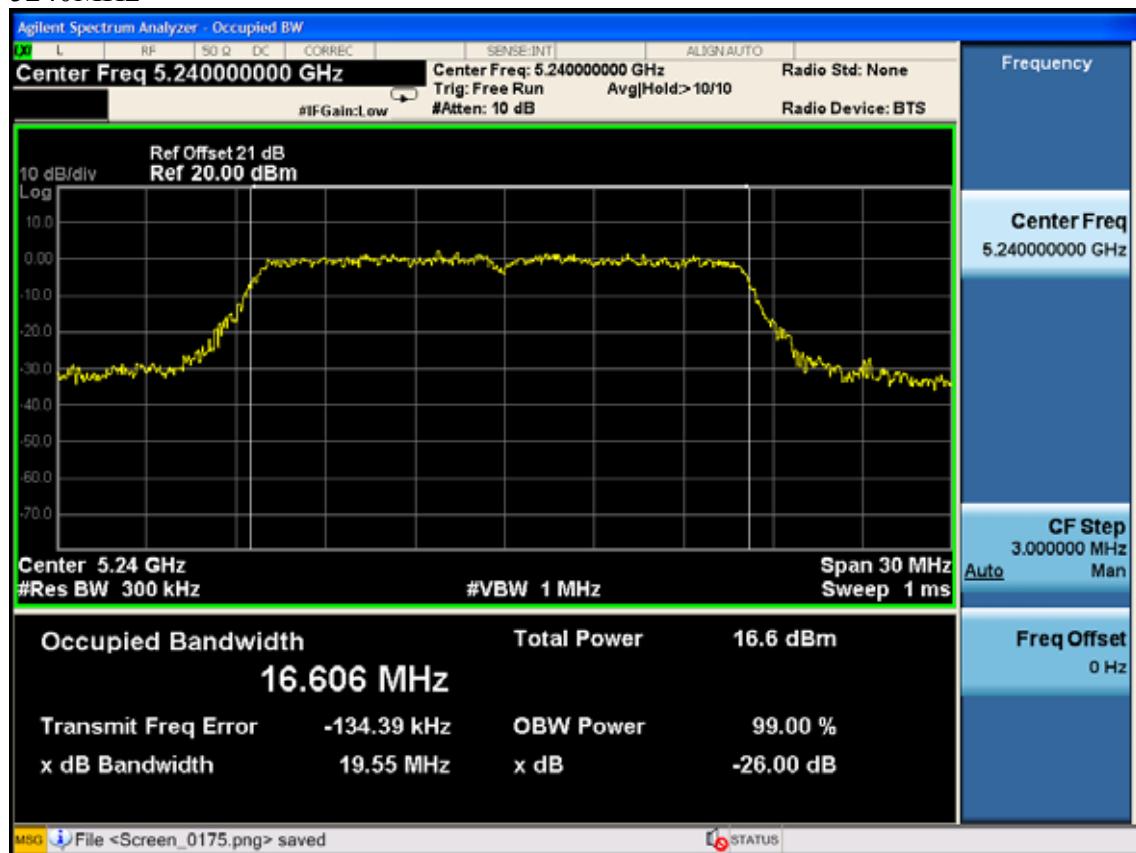
**11n HT40**

5190MHz


**5230MHz**


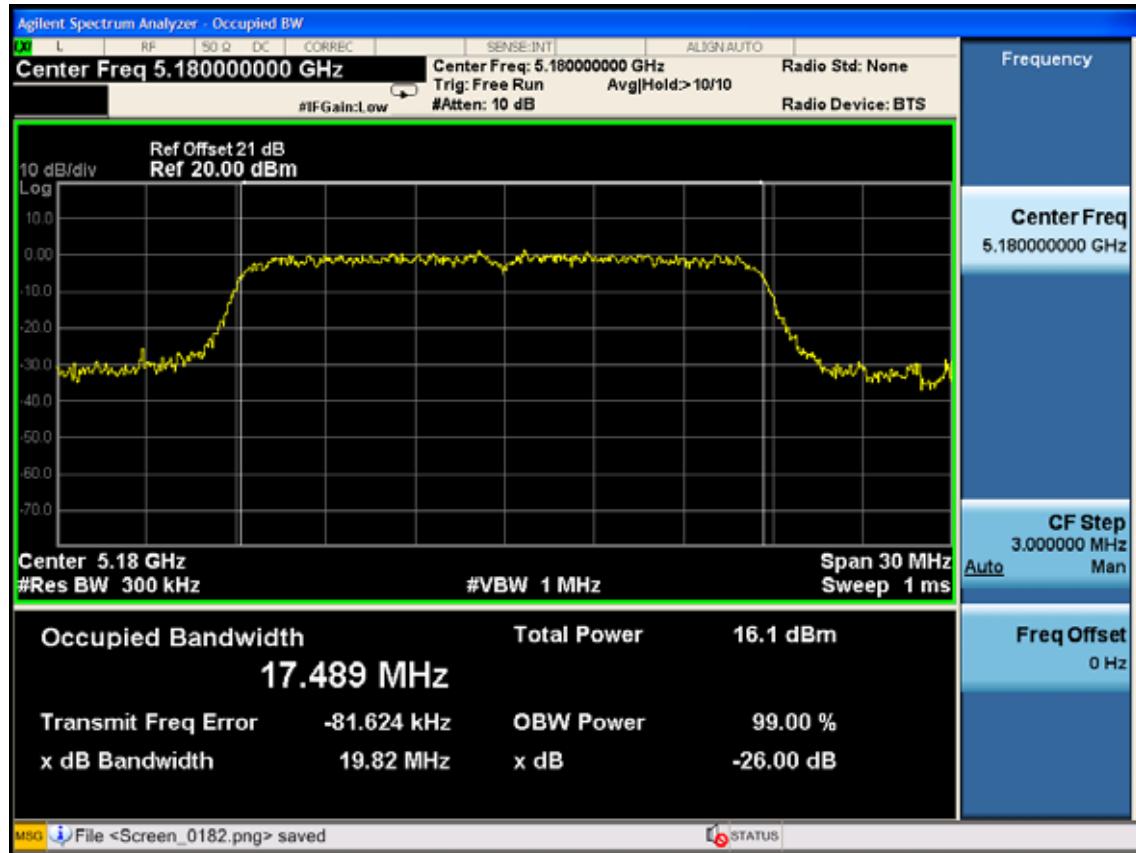
**ANT 1**
**11a**
**5180MHz**

**5200MHz**


5240MHz

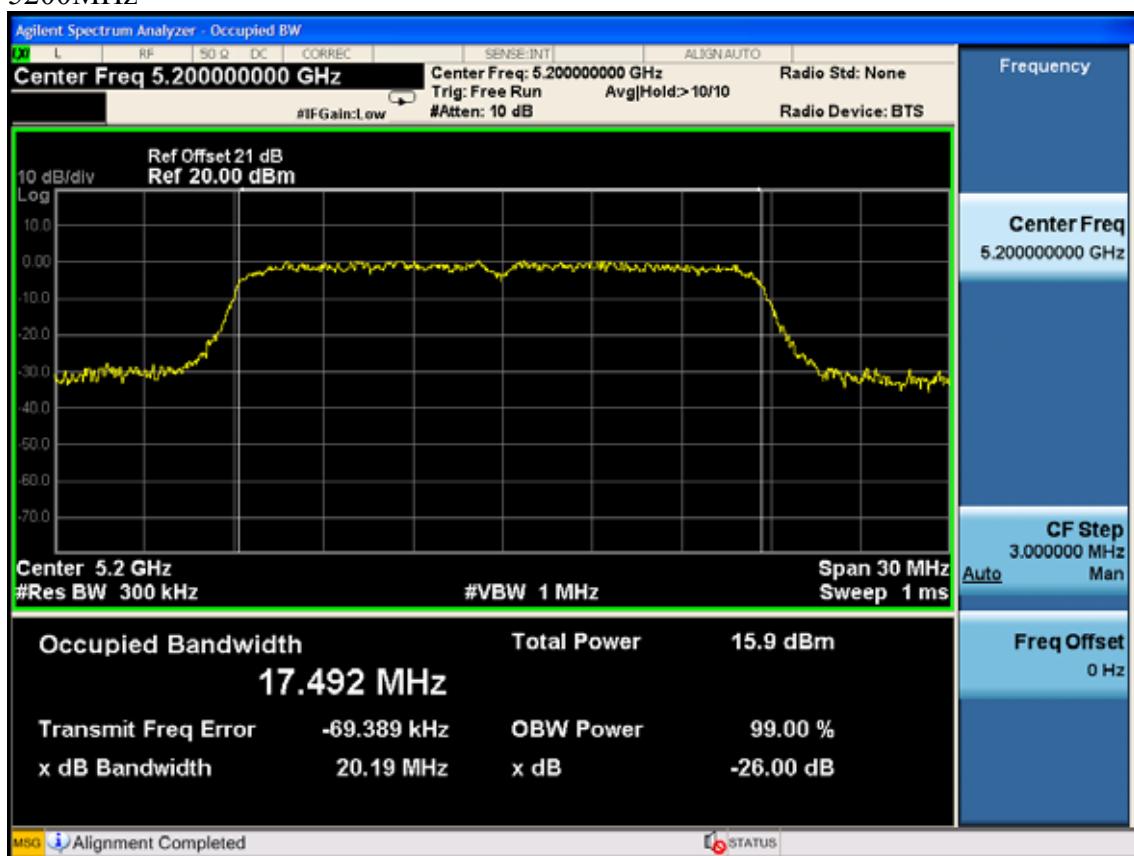


## 11n HT20

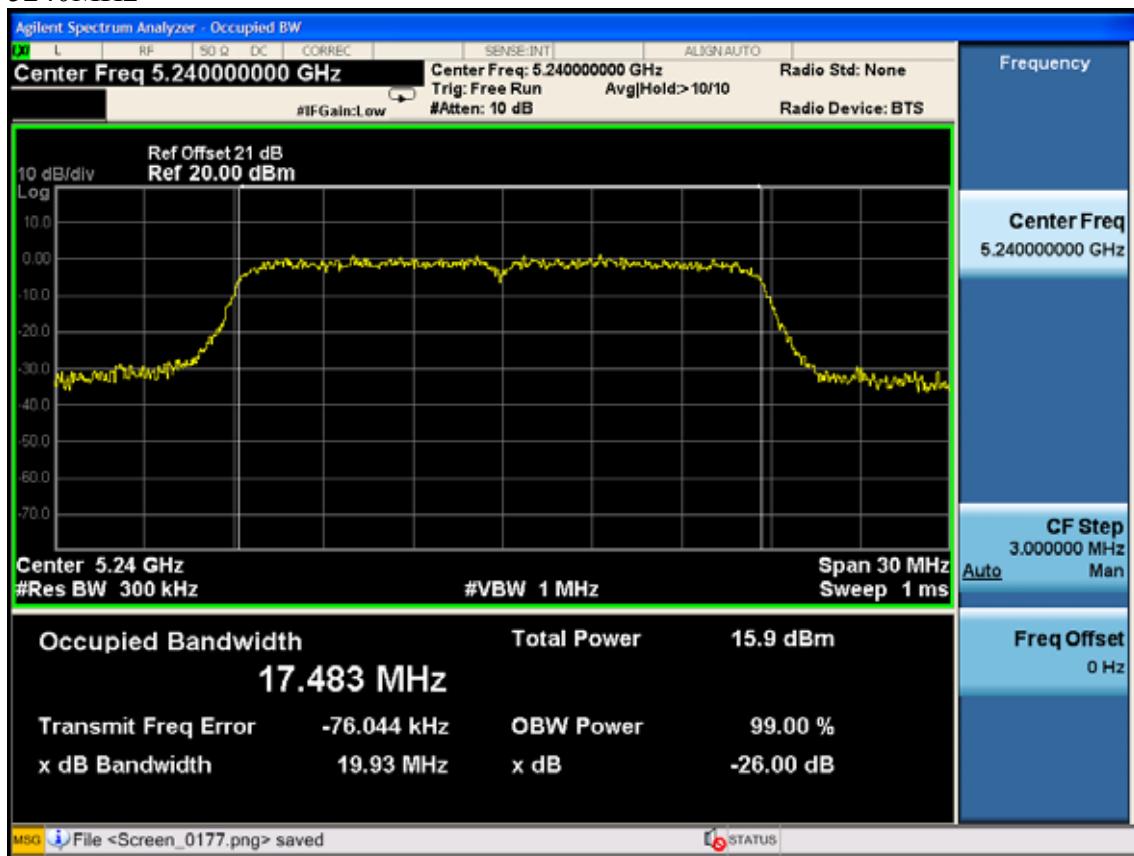
5180MHz



5200MHz

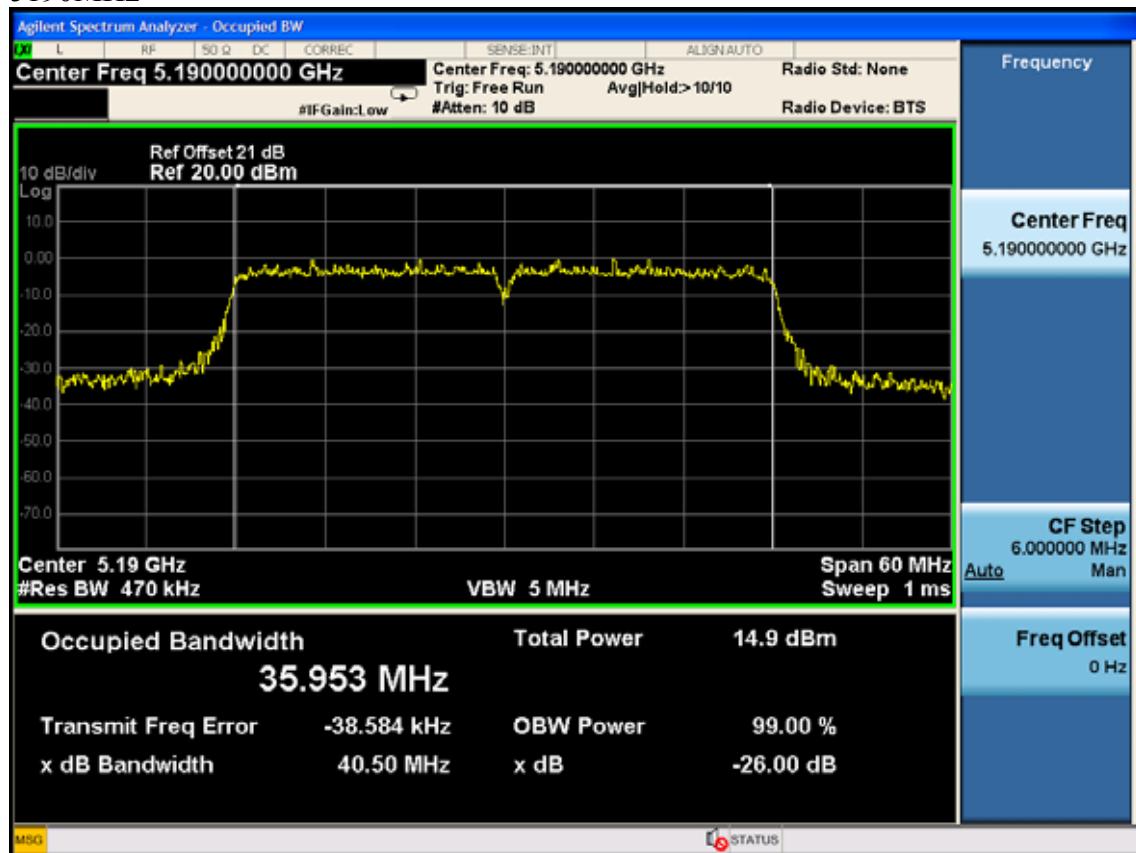
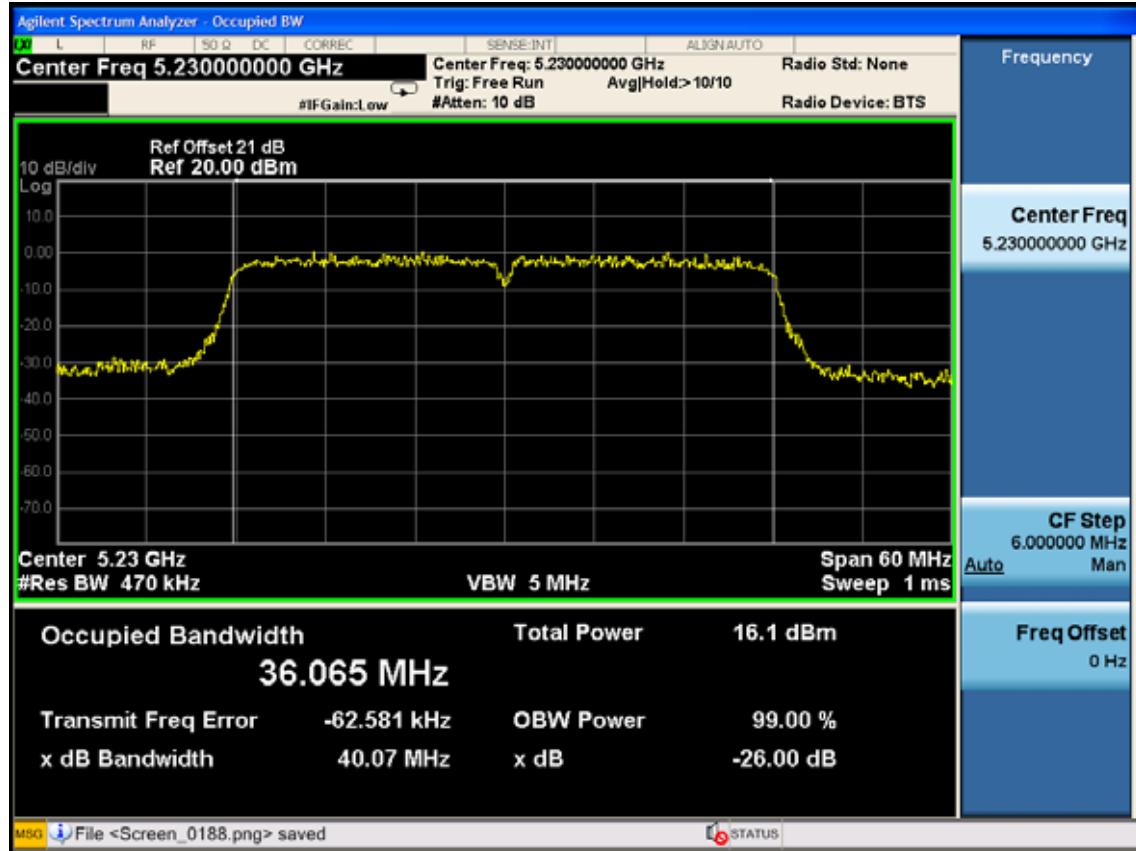


5240MHz



**11n HT40**

5190MHz

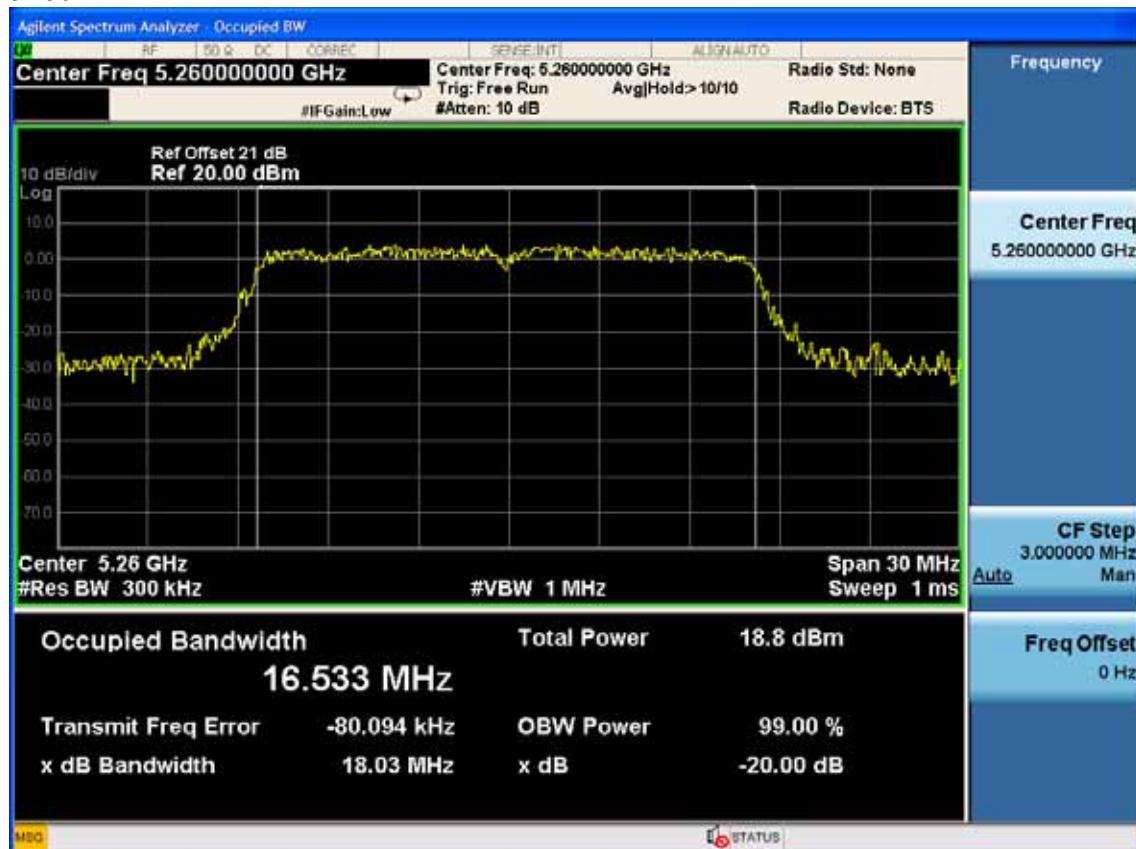
**5230MHz**

**(5250-5350MHz) 20dB bandwidth:**

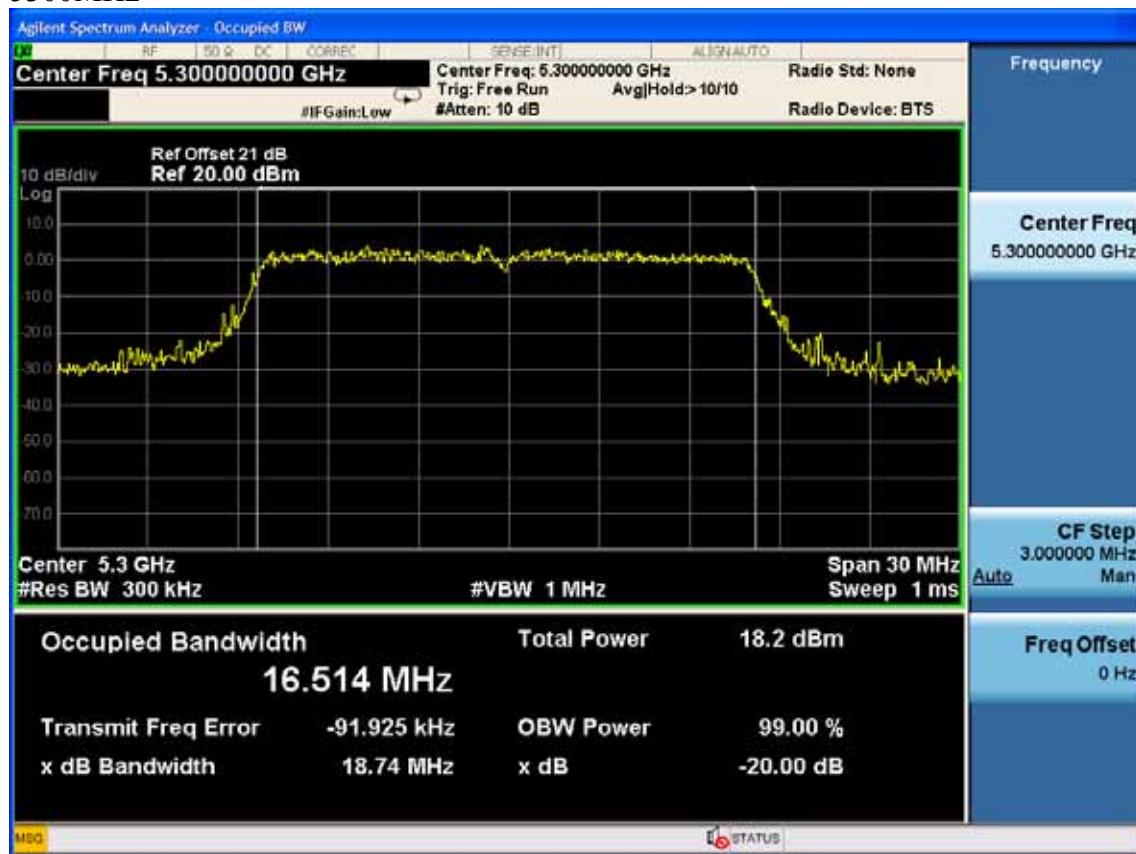
**ANT 0**

**11a**

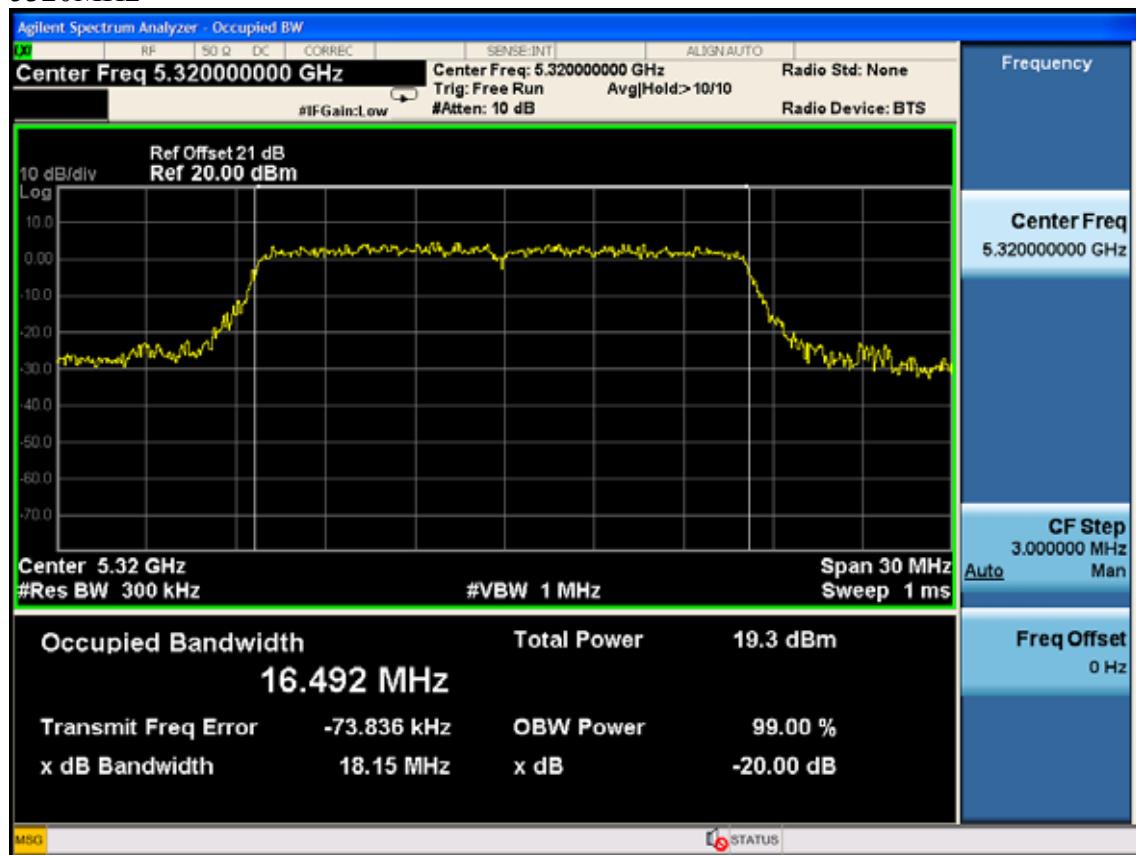
**5260MHz**



**5300MHz**



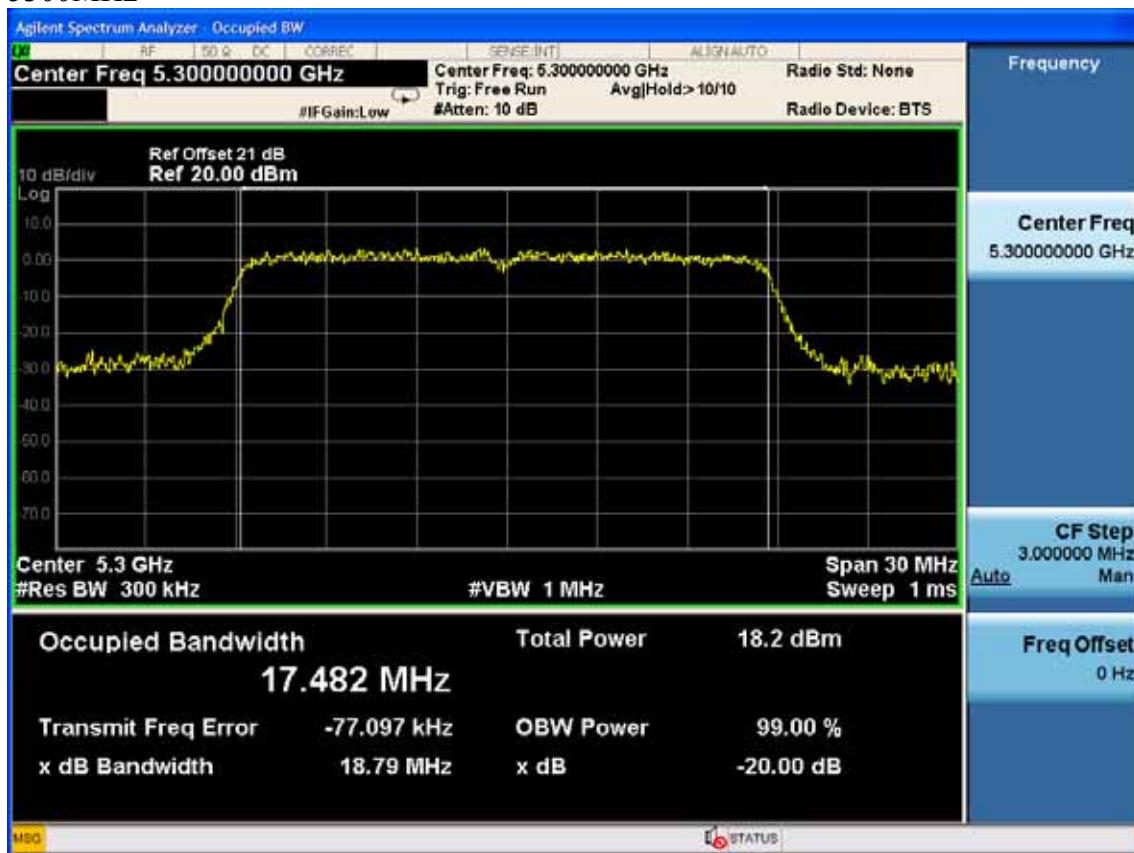
5320MHz


**11n HT20**

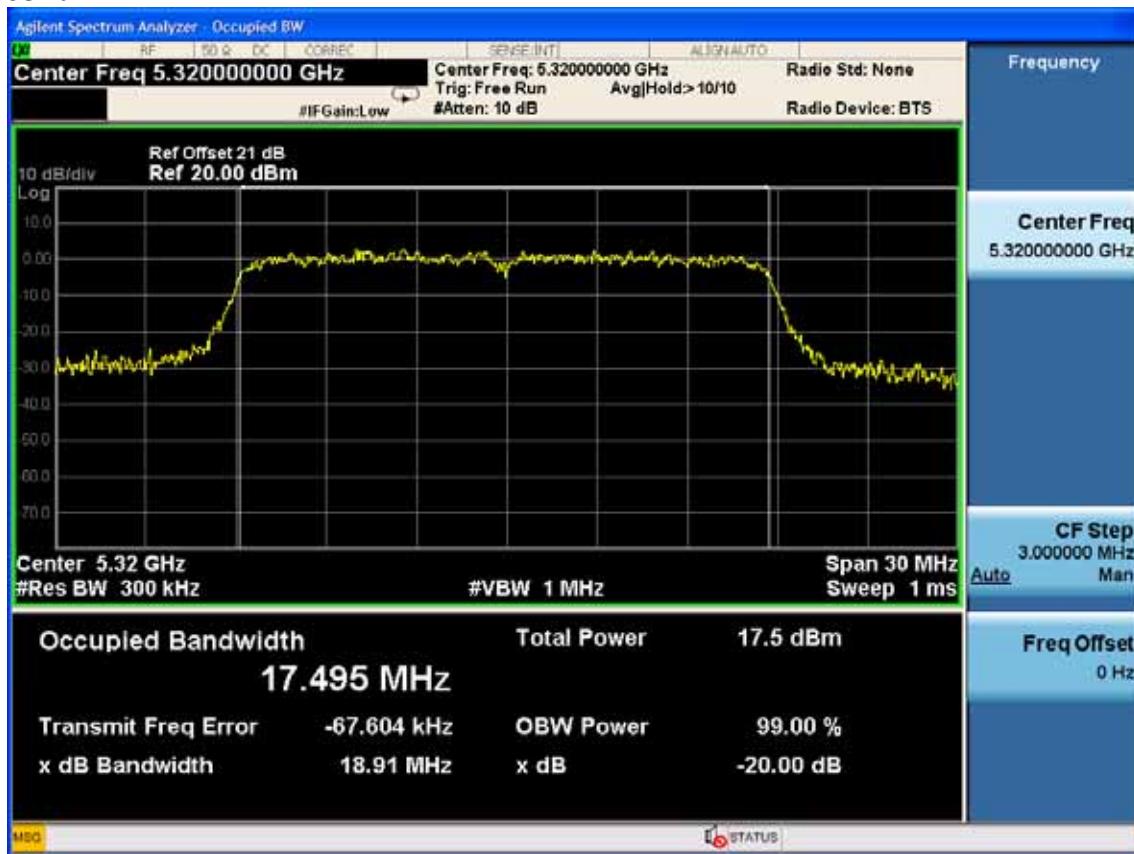
5260MHz



5300MHz

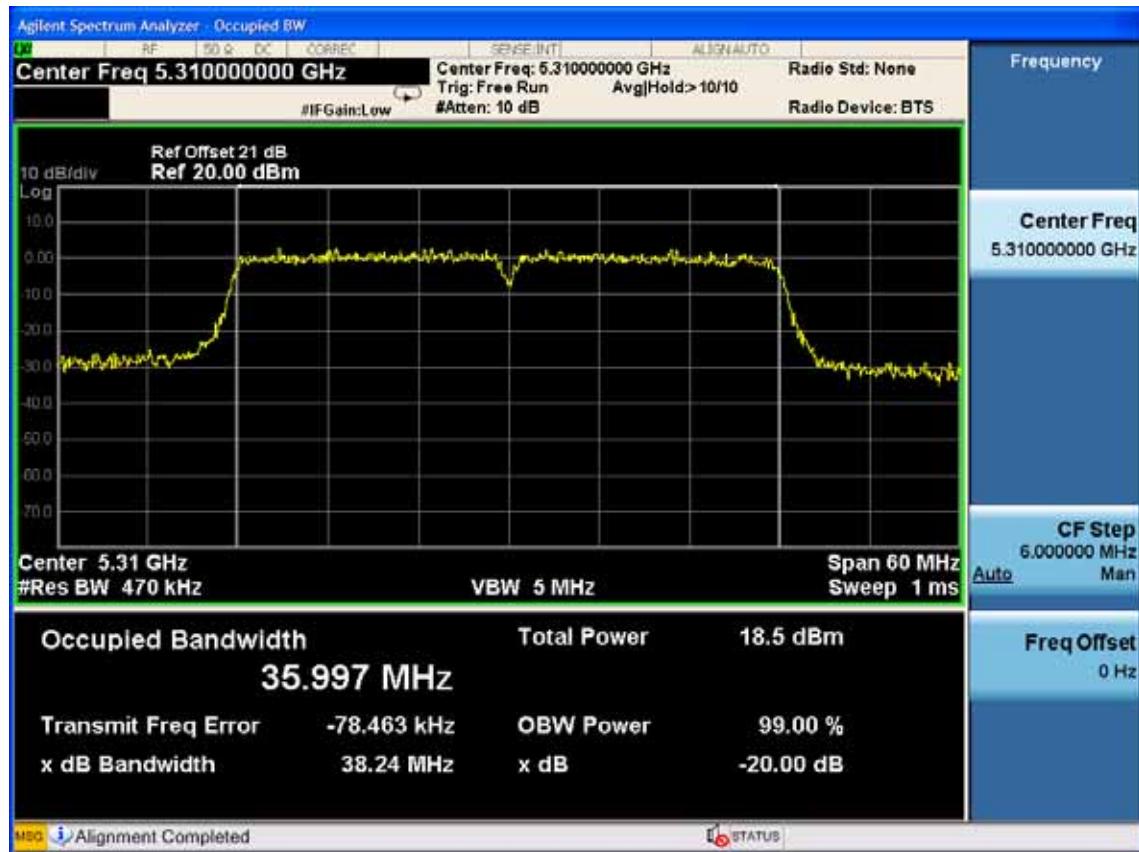


5320MHz

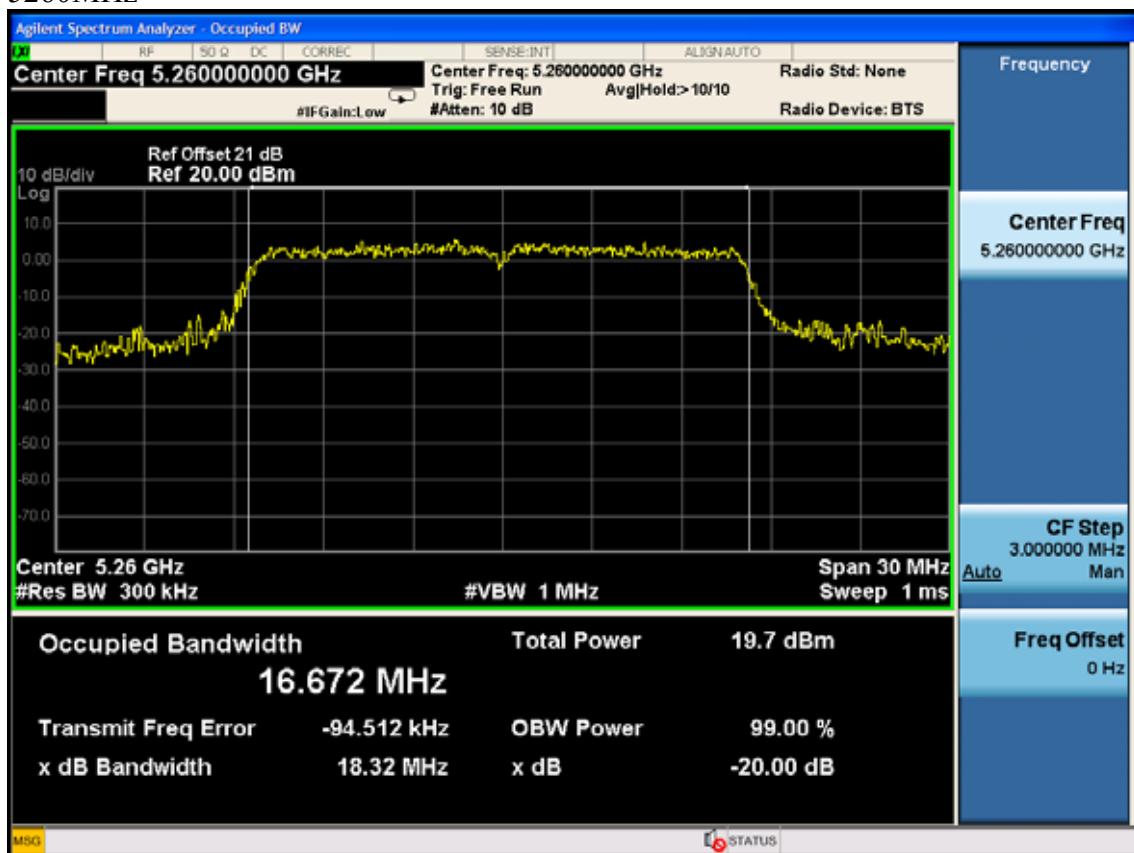


**11n HT40**

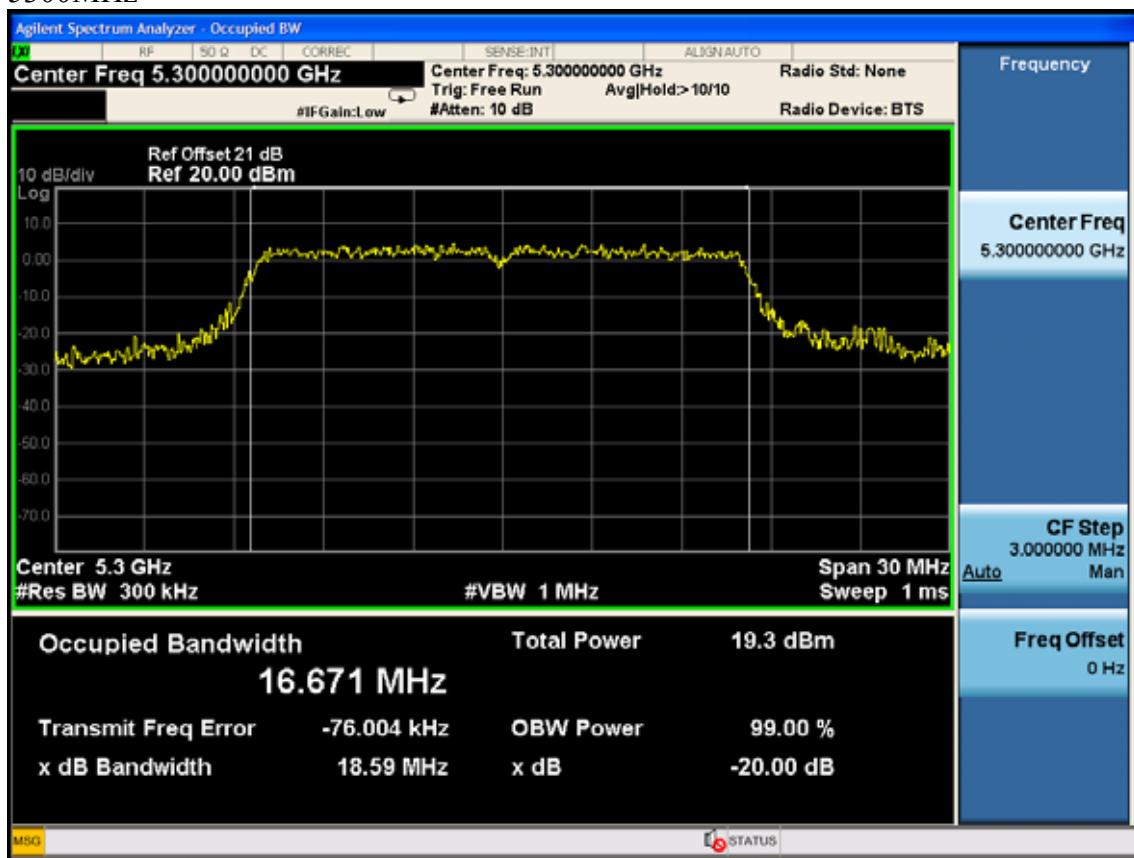
5270MHz

**5310MHz**

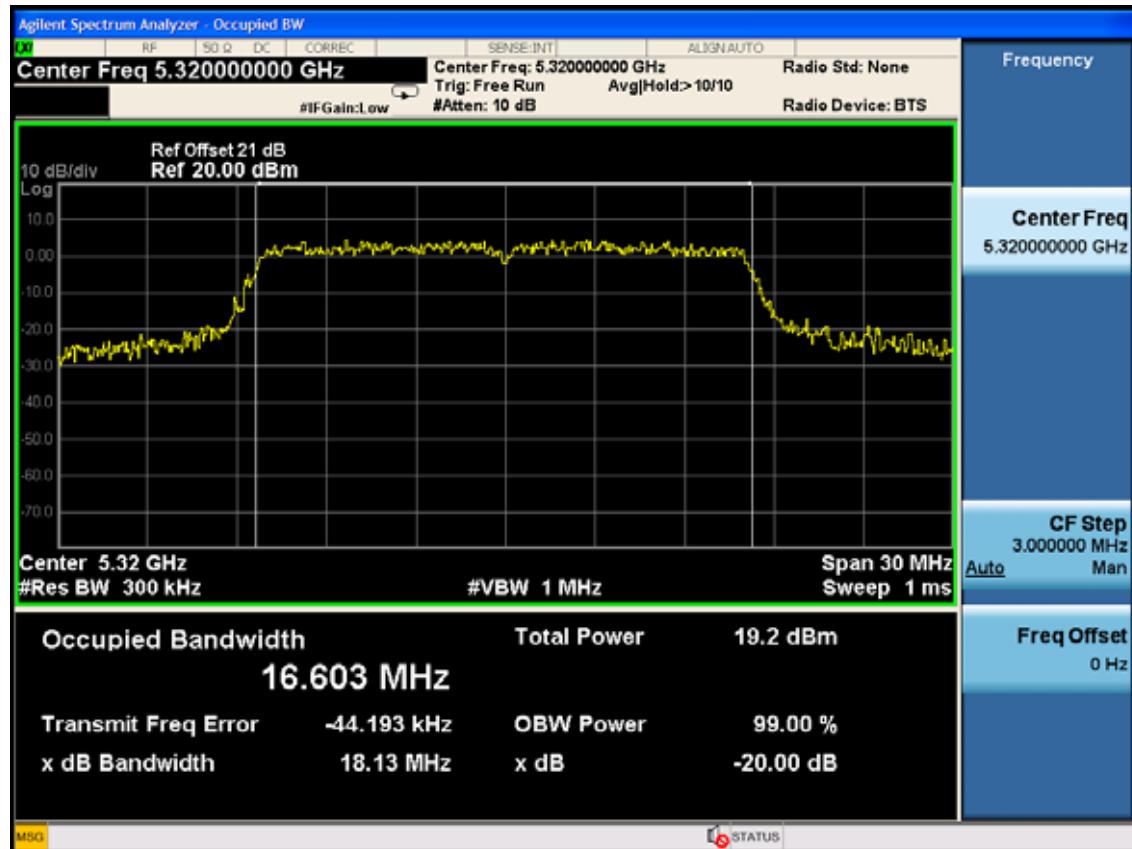
**ANT 1**  
**11a**  
**5260MHz**



5300MHz

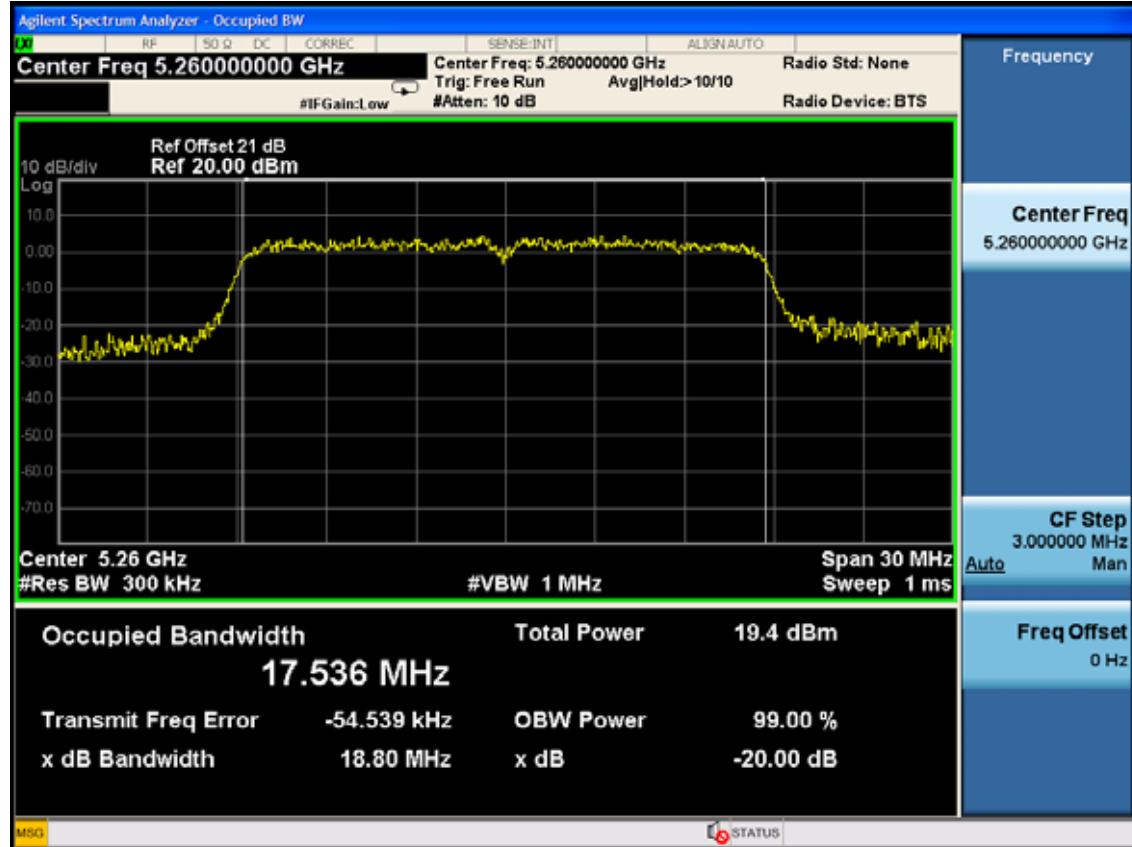


5320MHz

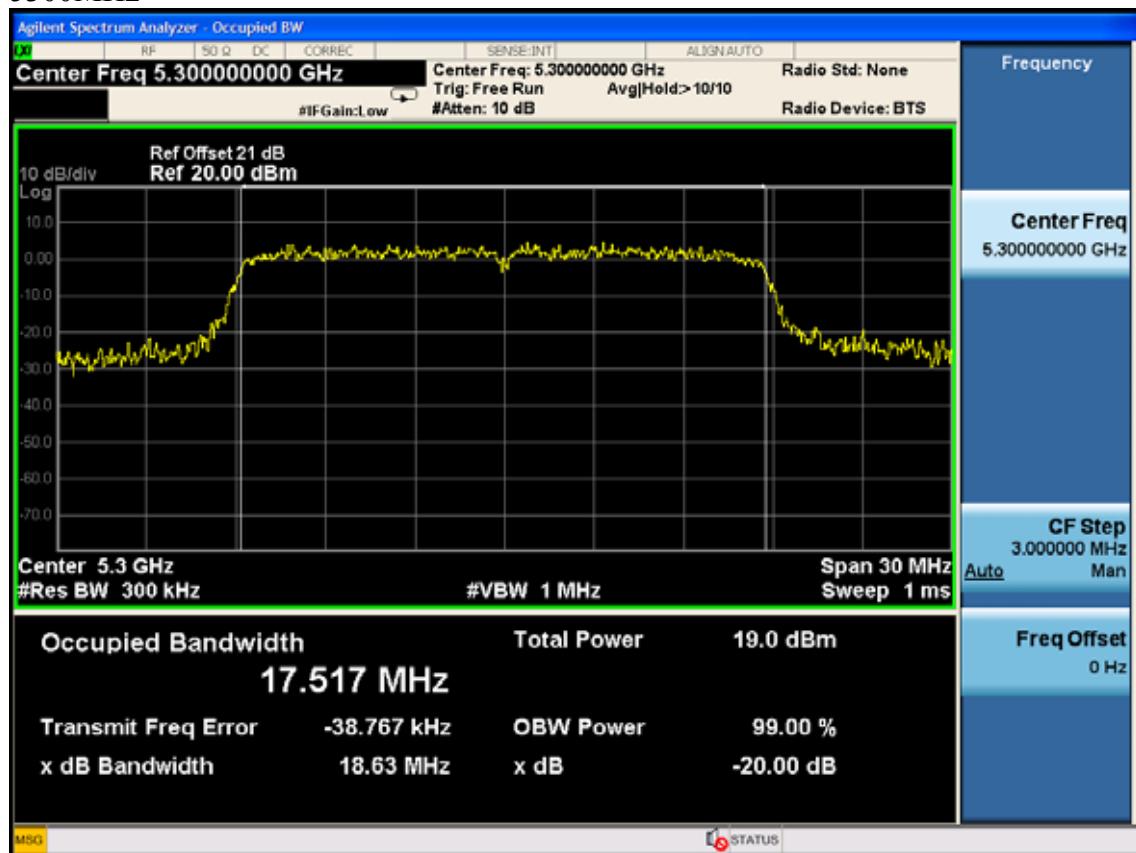


11n HT20

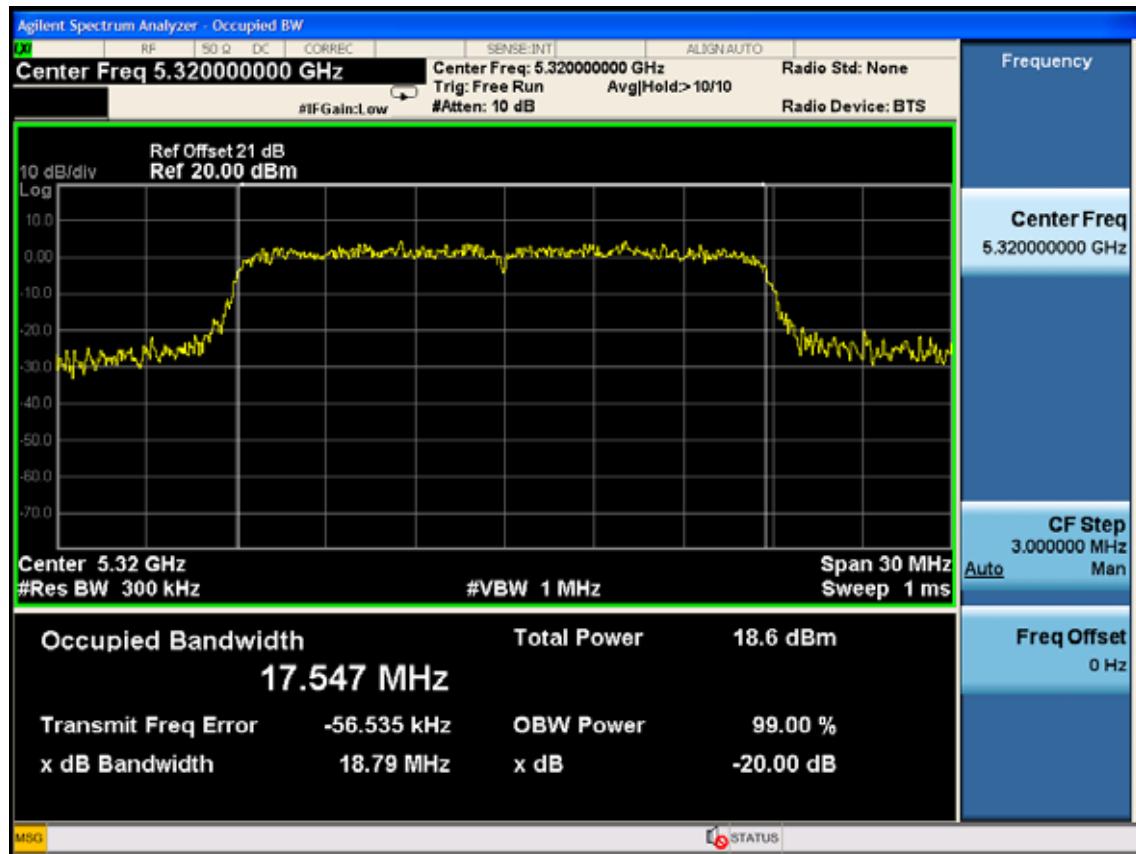
5260MHz



5300MHz

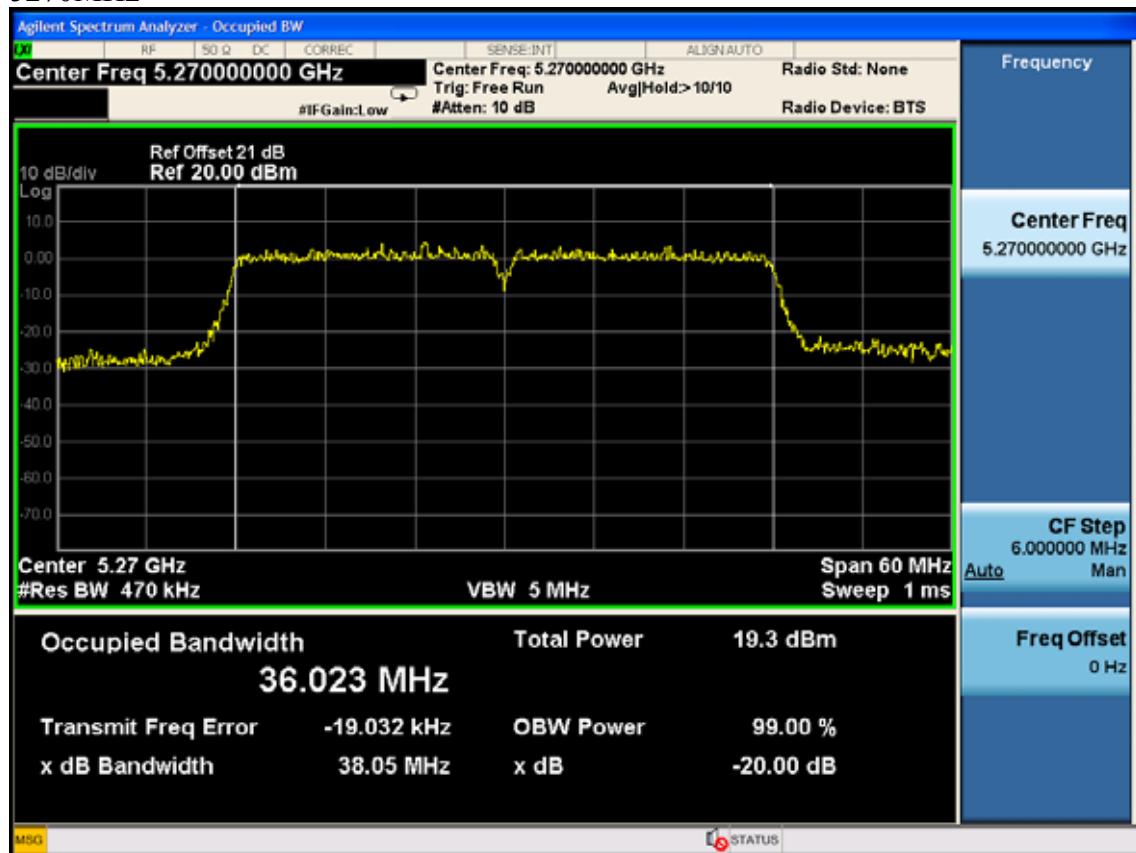
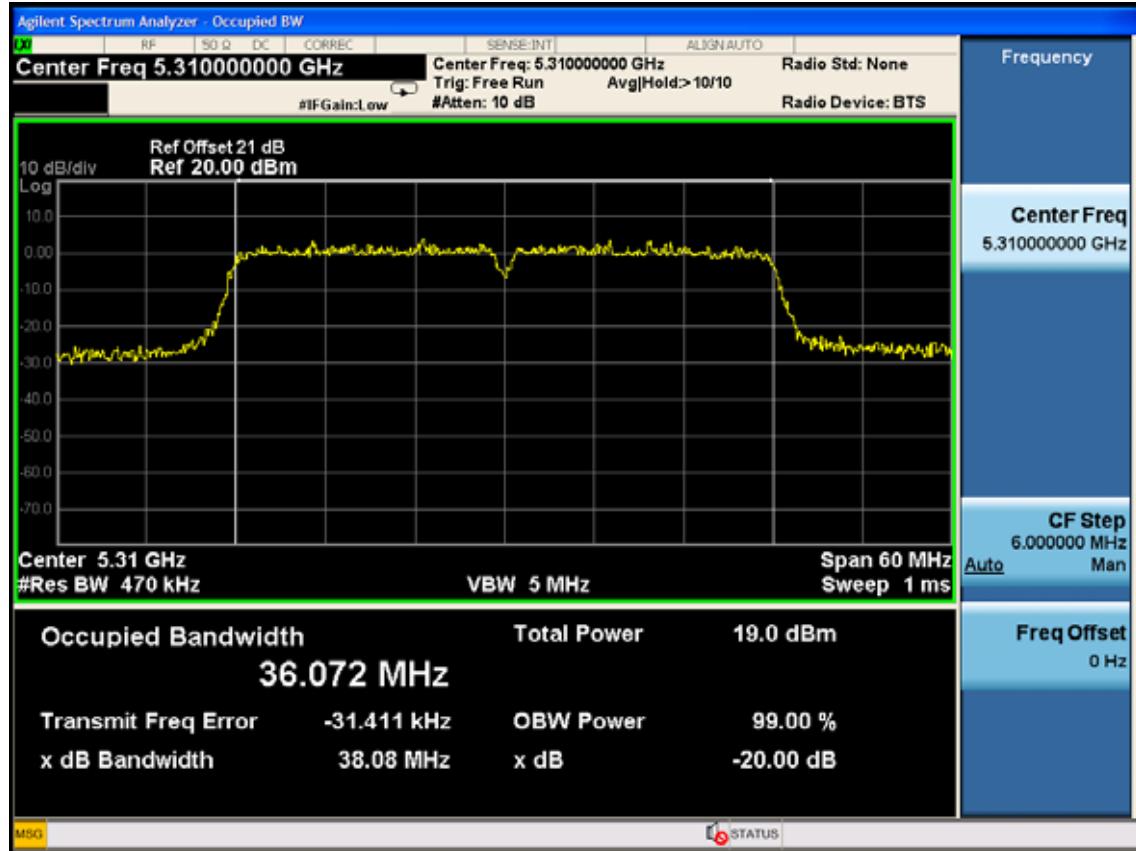


5320MHz



**11n HT40**

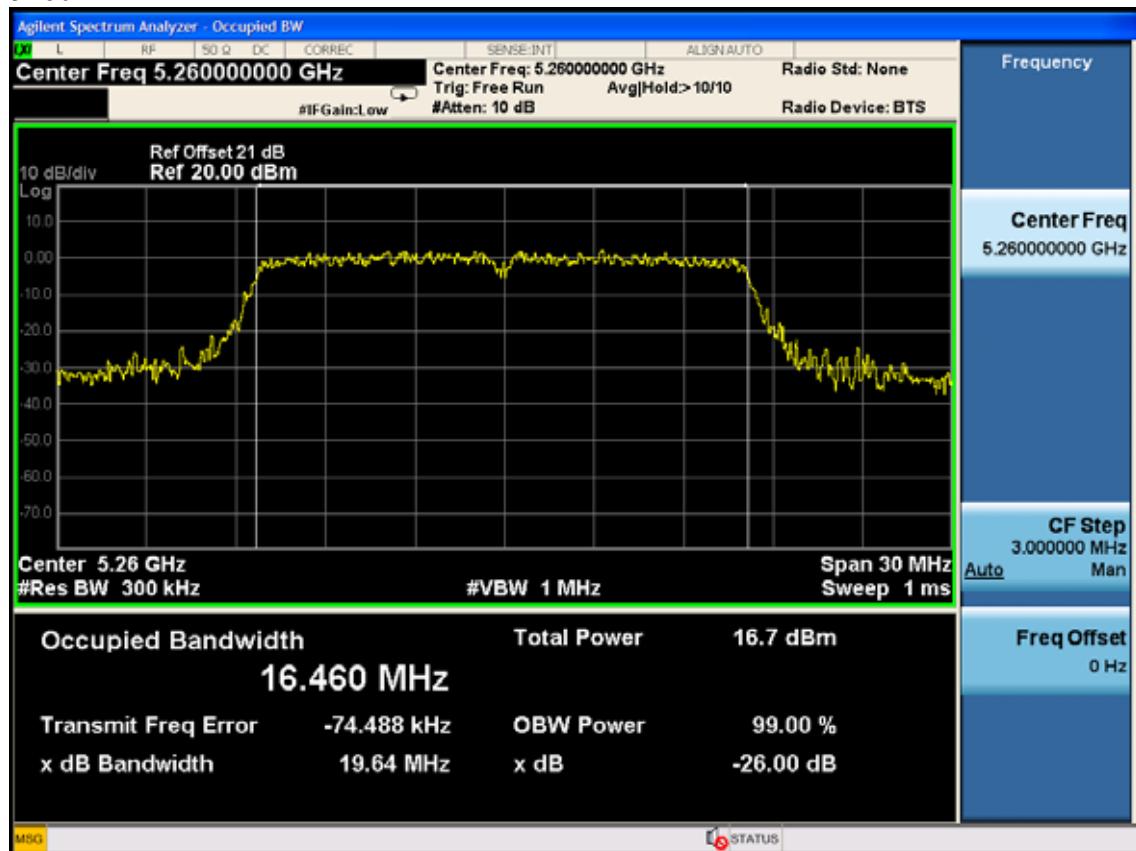
5270MHz

**5310MHz**

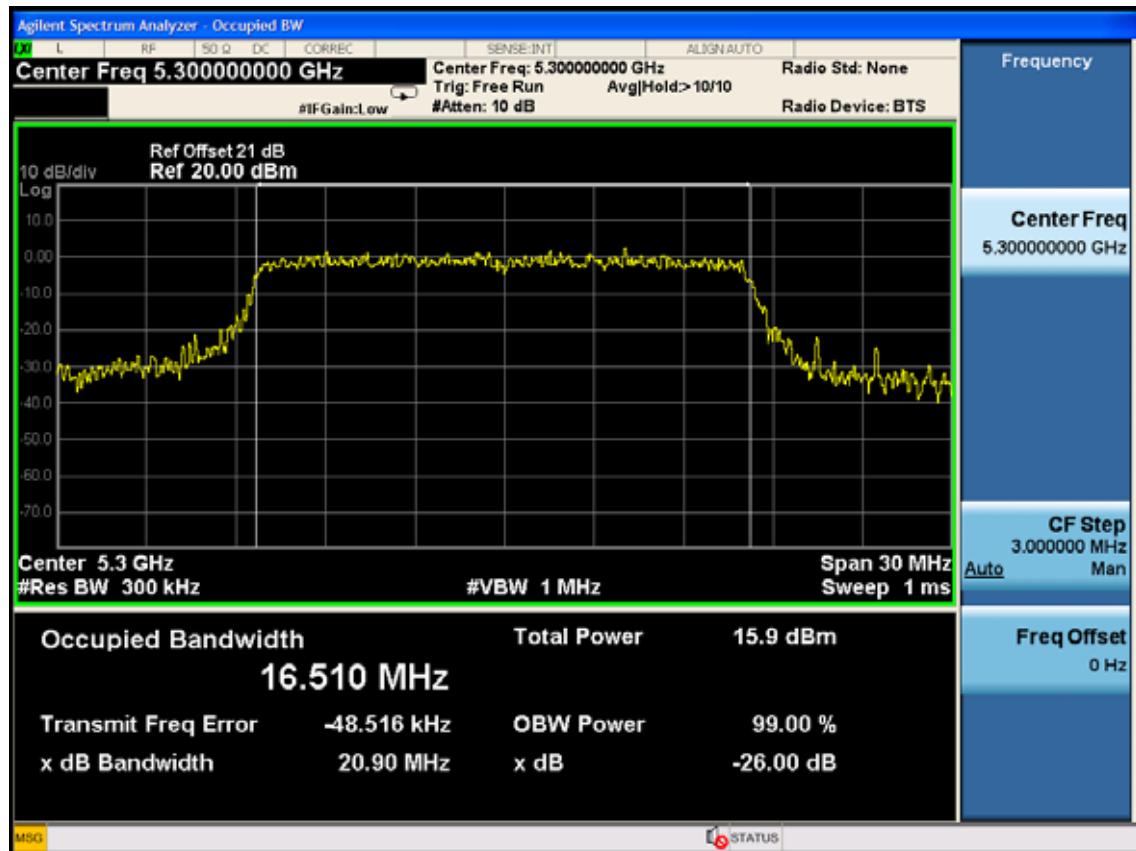
**(5250-5350MHz) 26dB bandwidth:**

11a

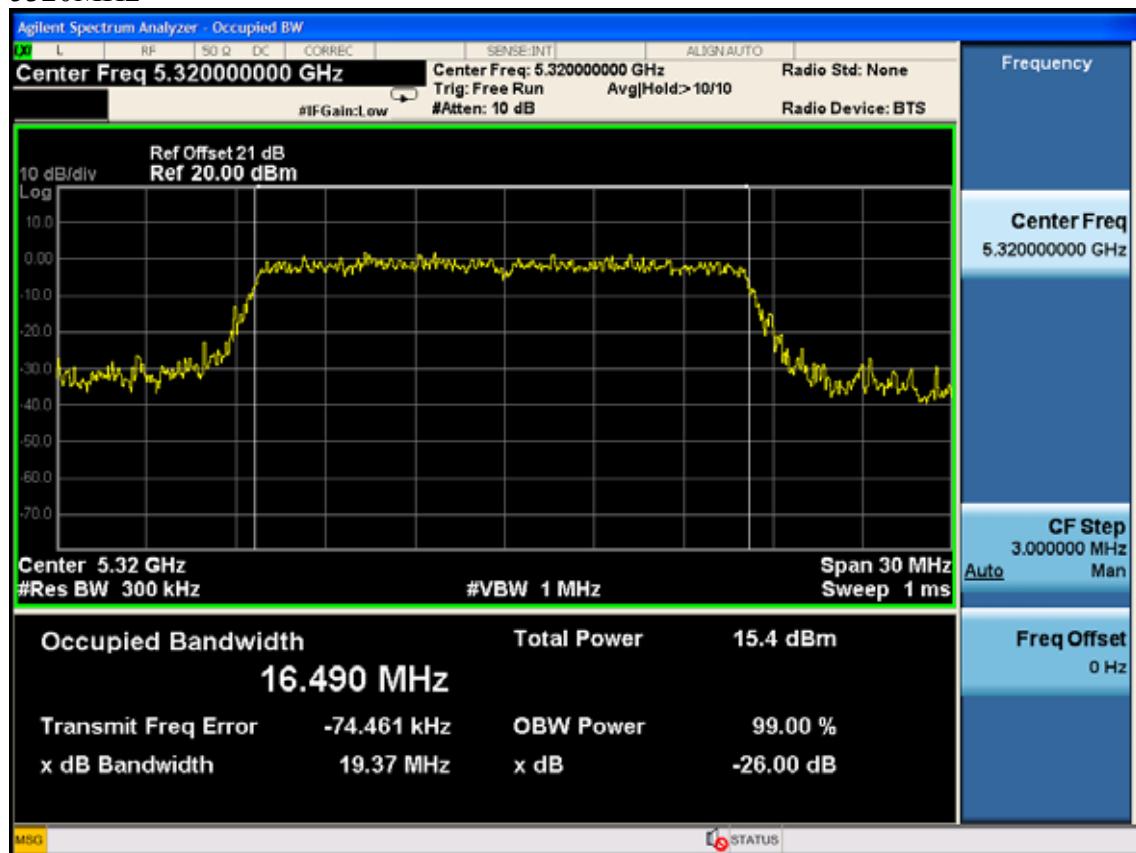
5260MHz



5300MHz

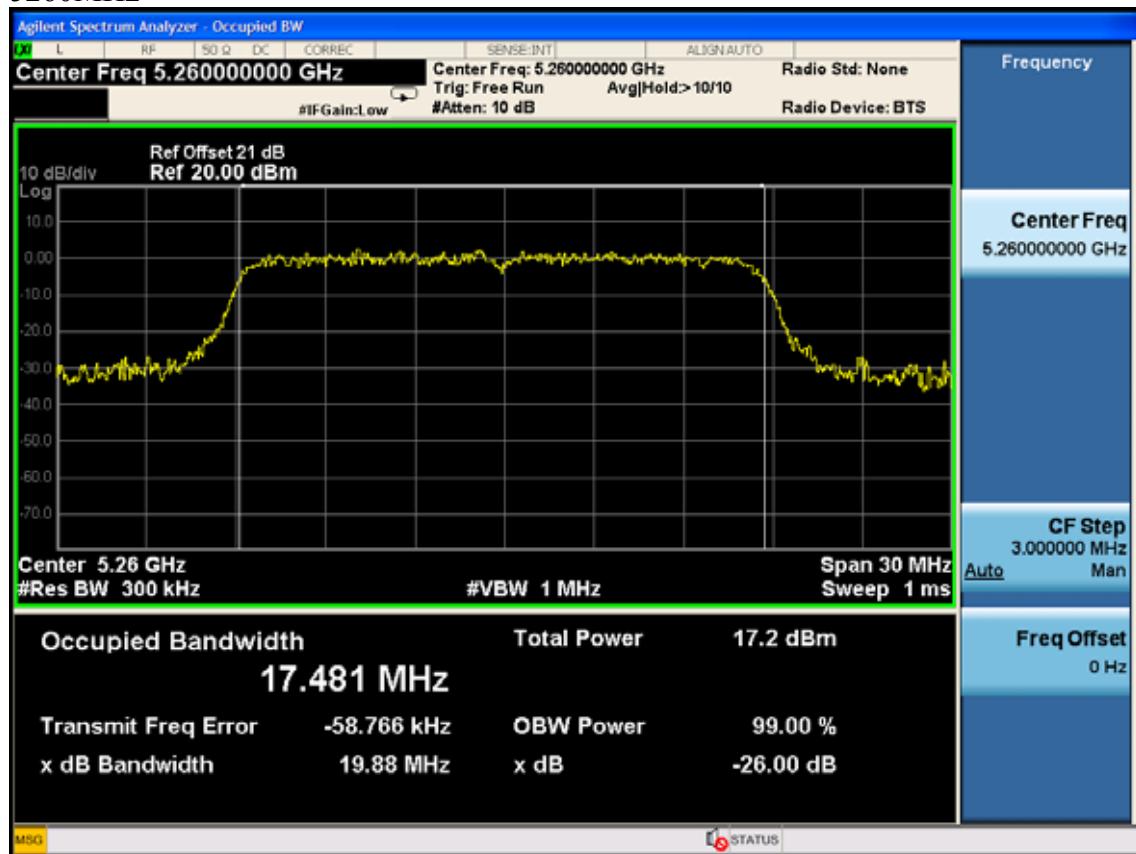


5320MHz

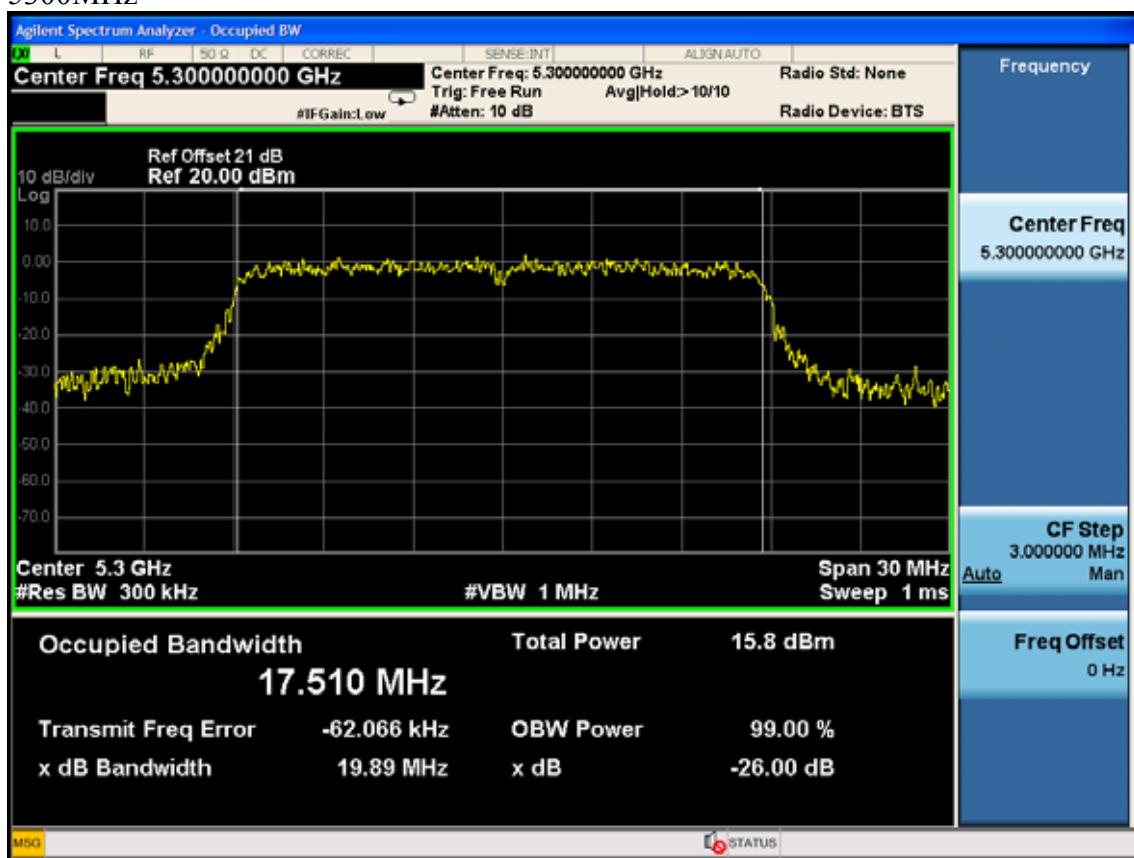


11n HT20

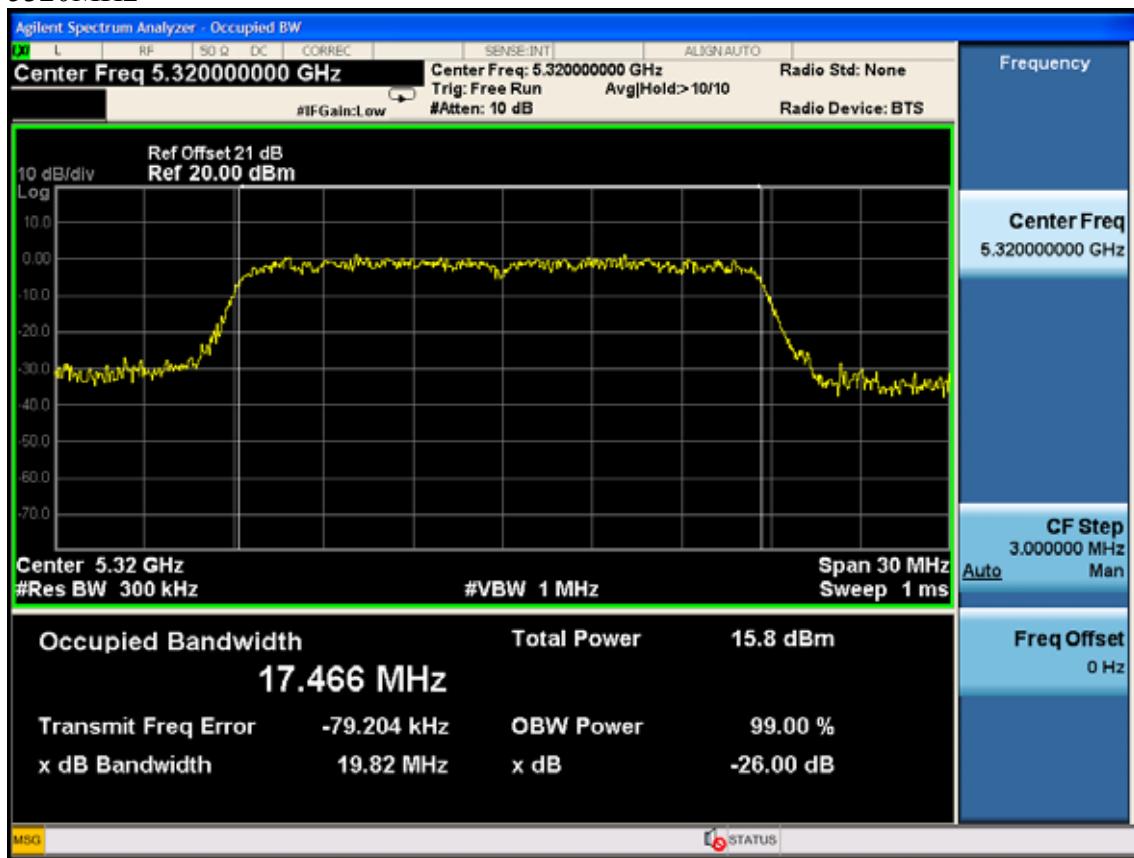
5260MHz



5300MHz

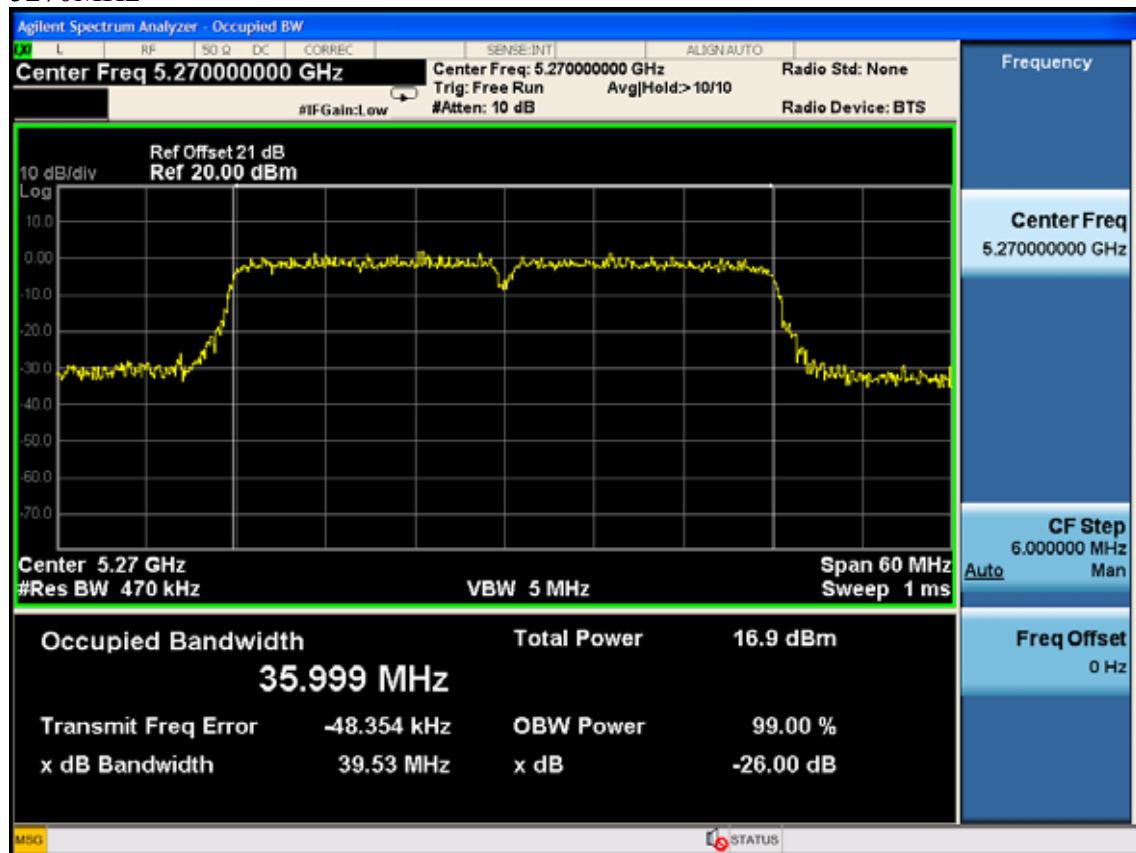
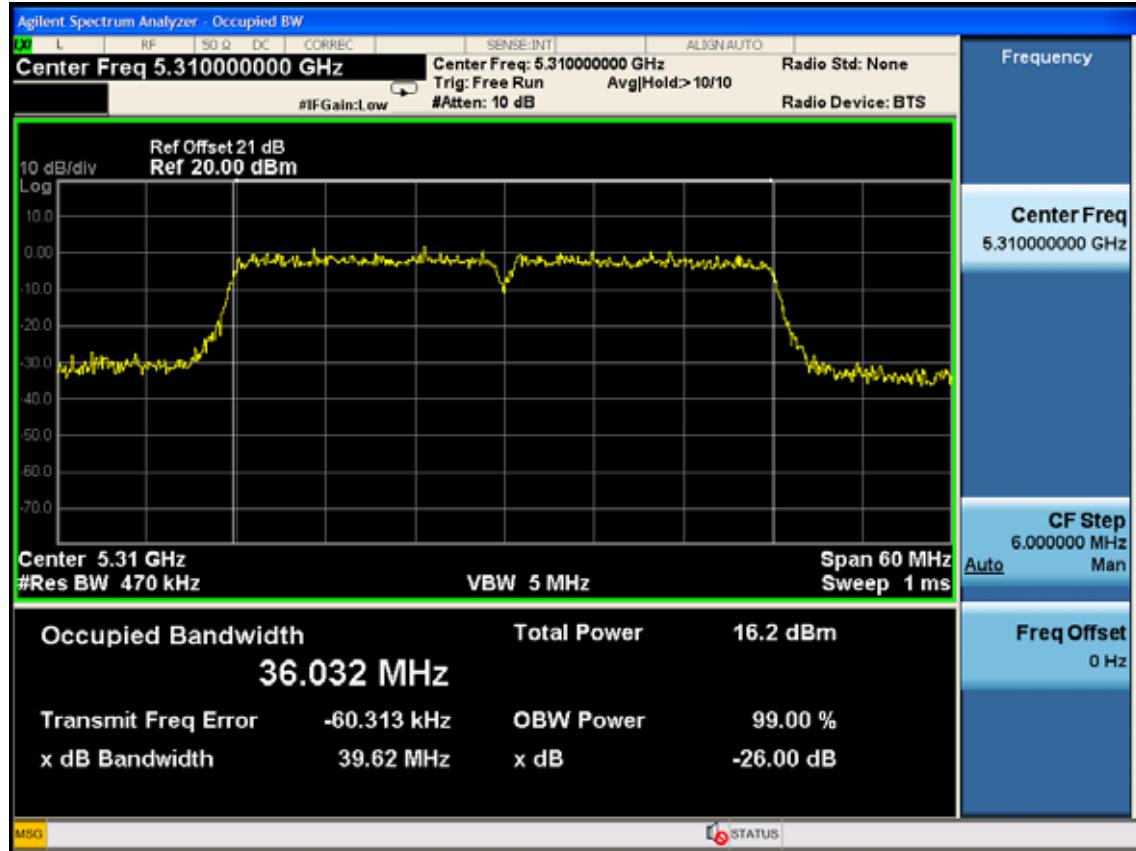


5320MHz



**11n HT40**

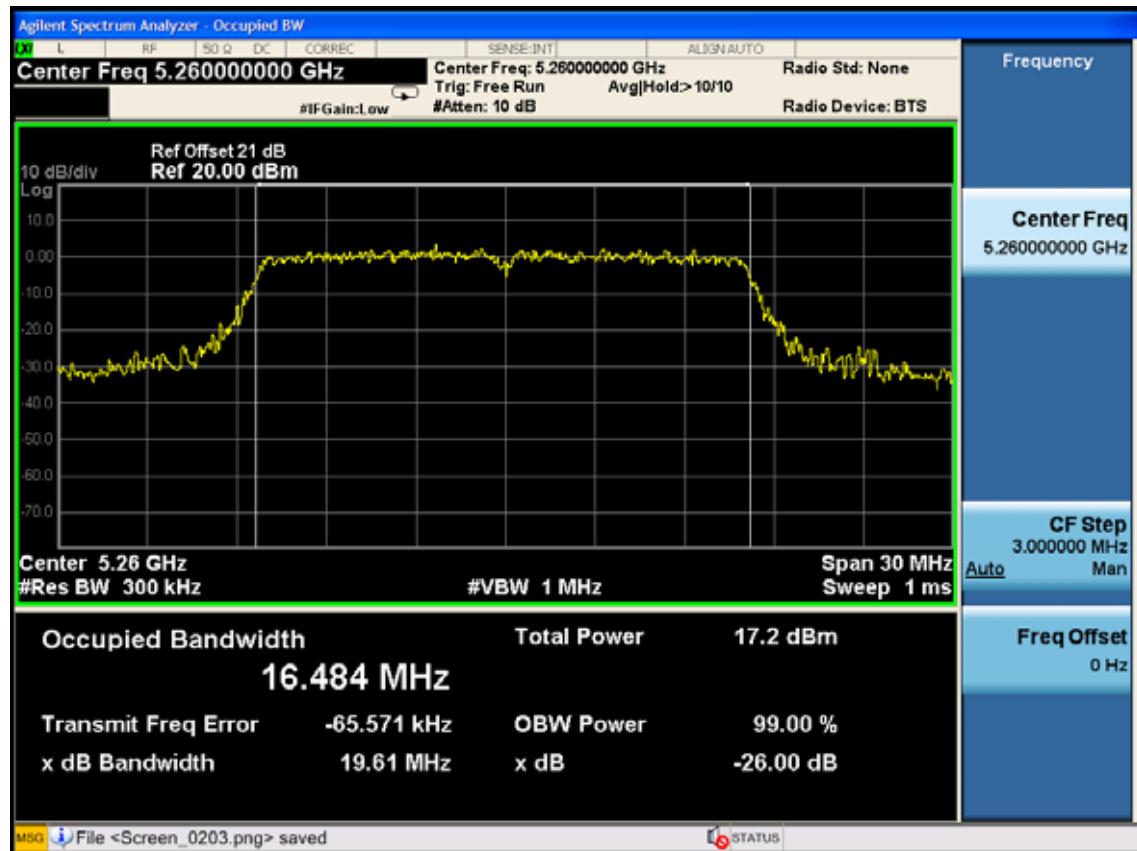
5270MHz

**5310MHz**

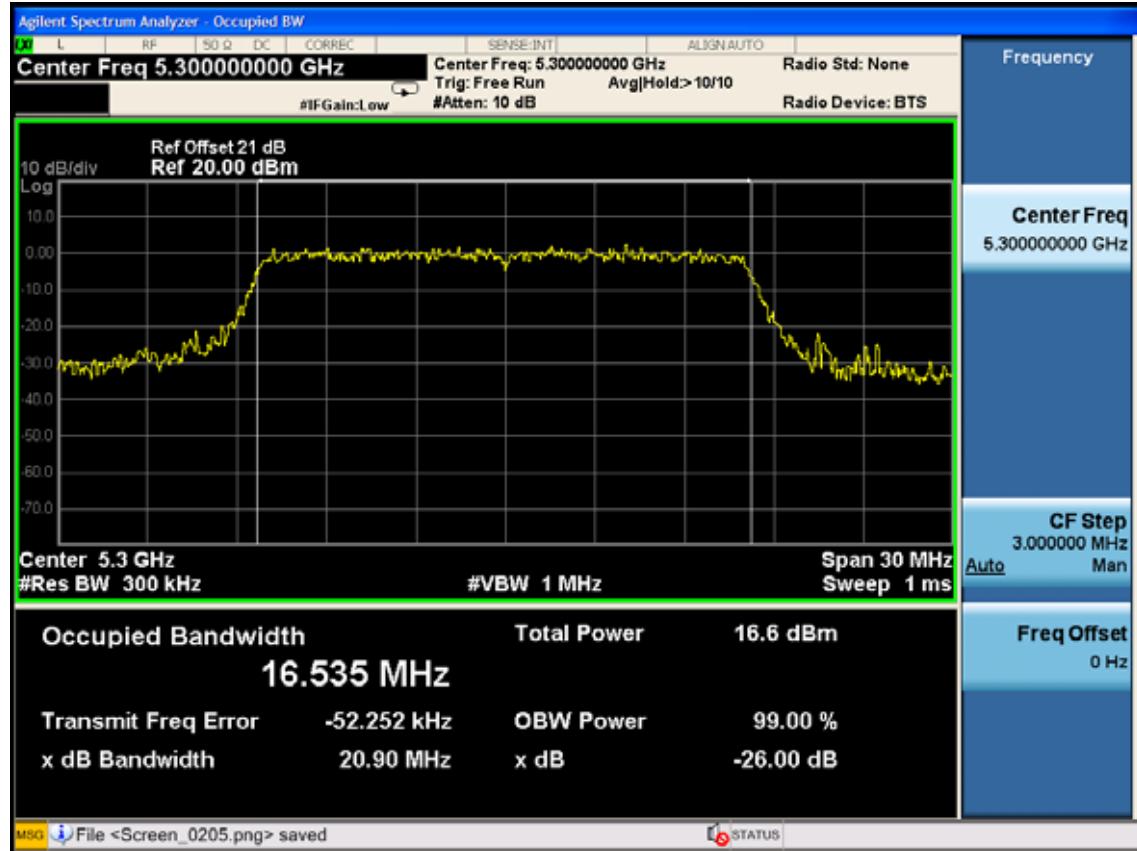
## ANT 1

11a

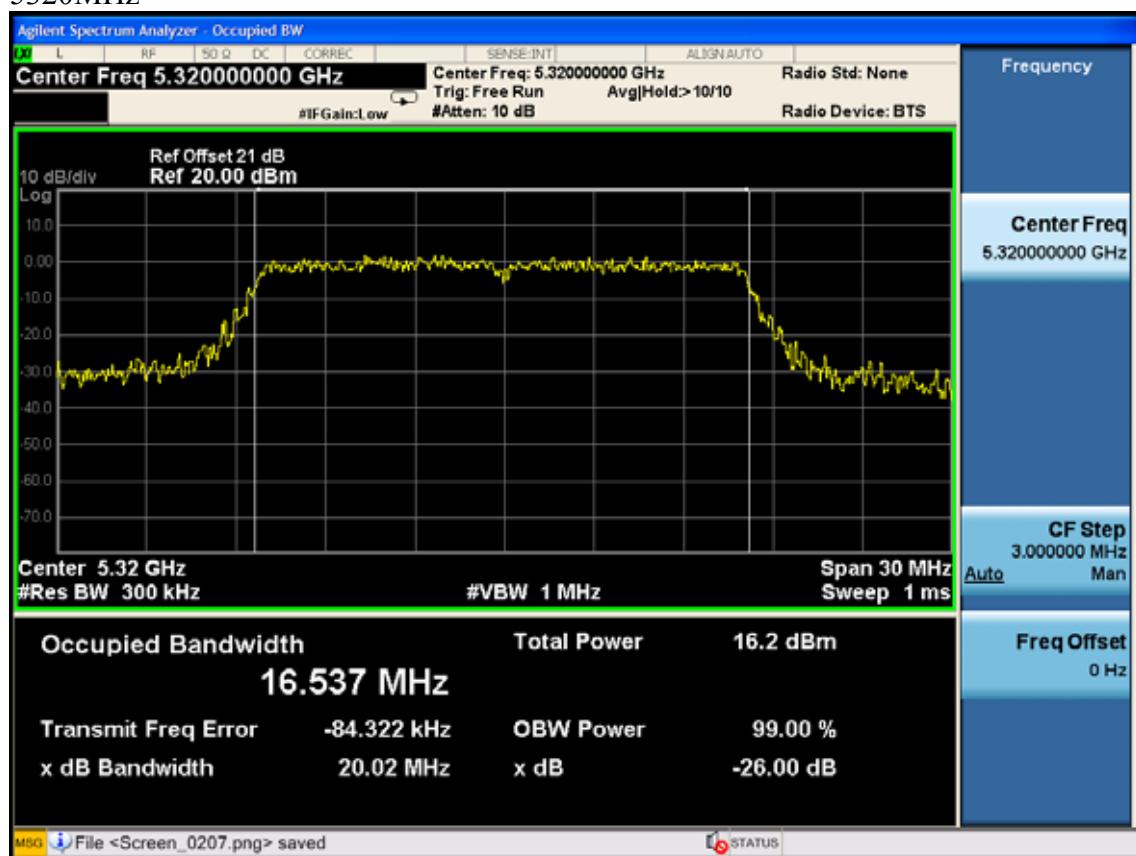
5260MHz



5300MHz

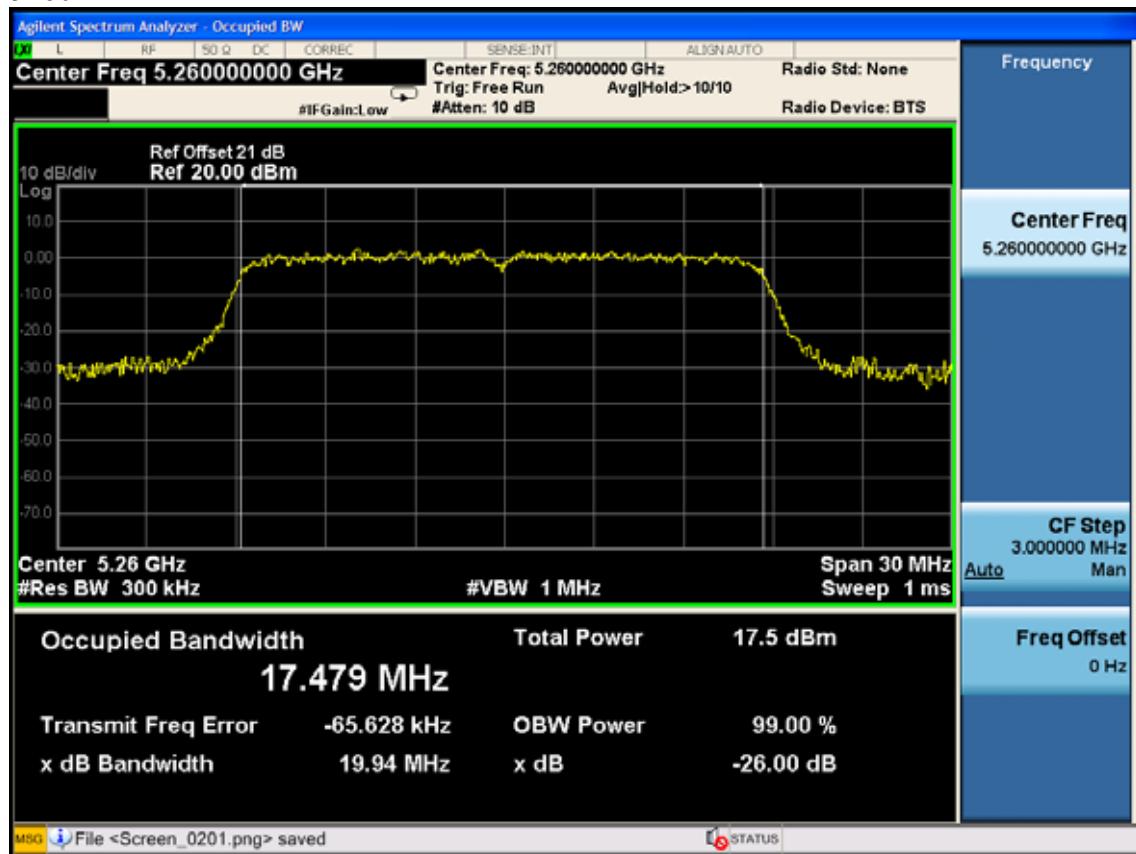


5320MHz

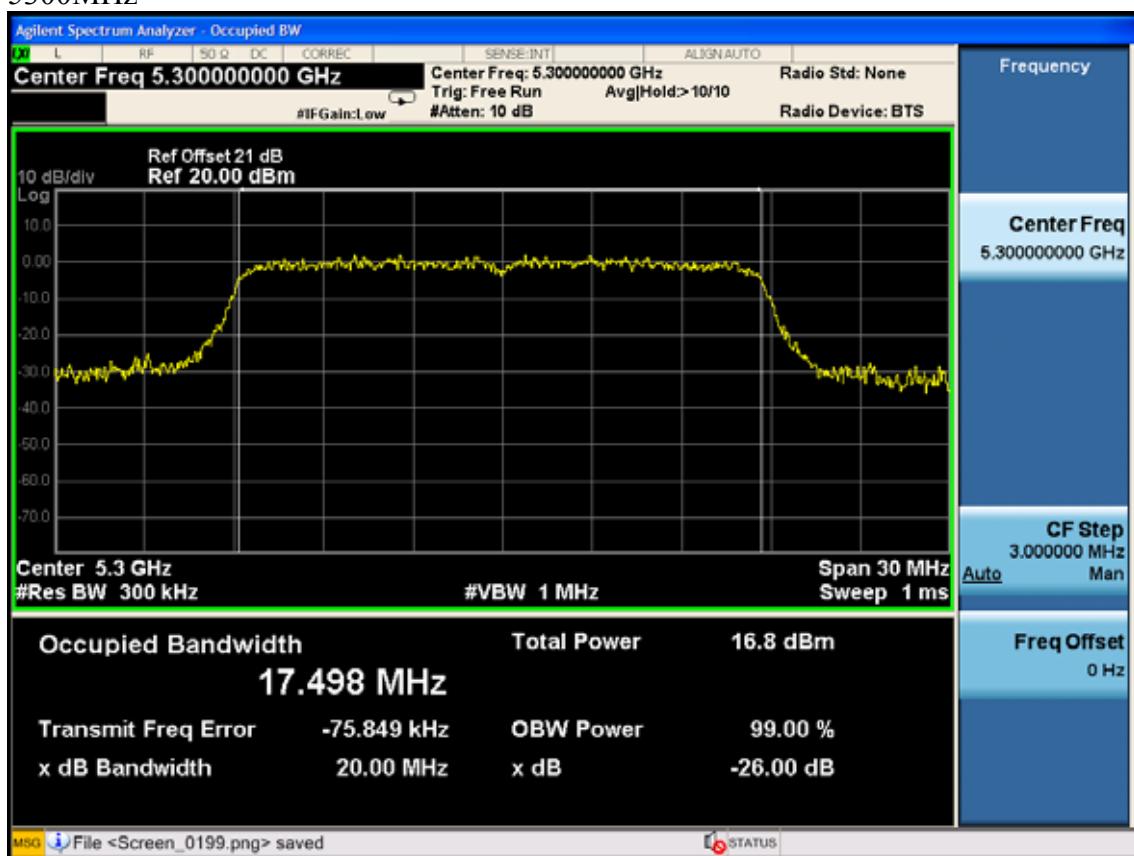


## 11n HT20

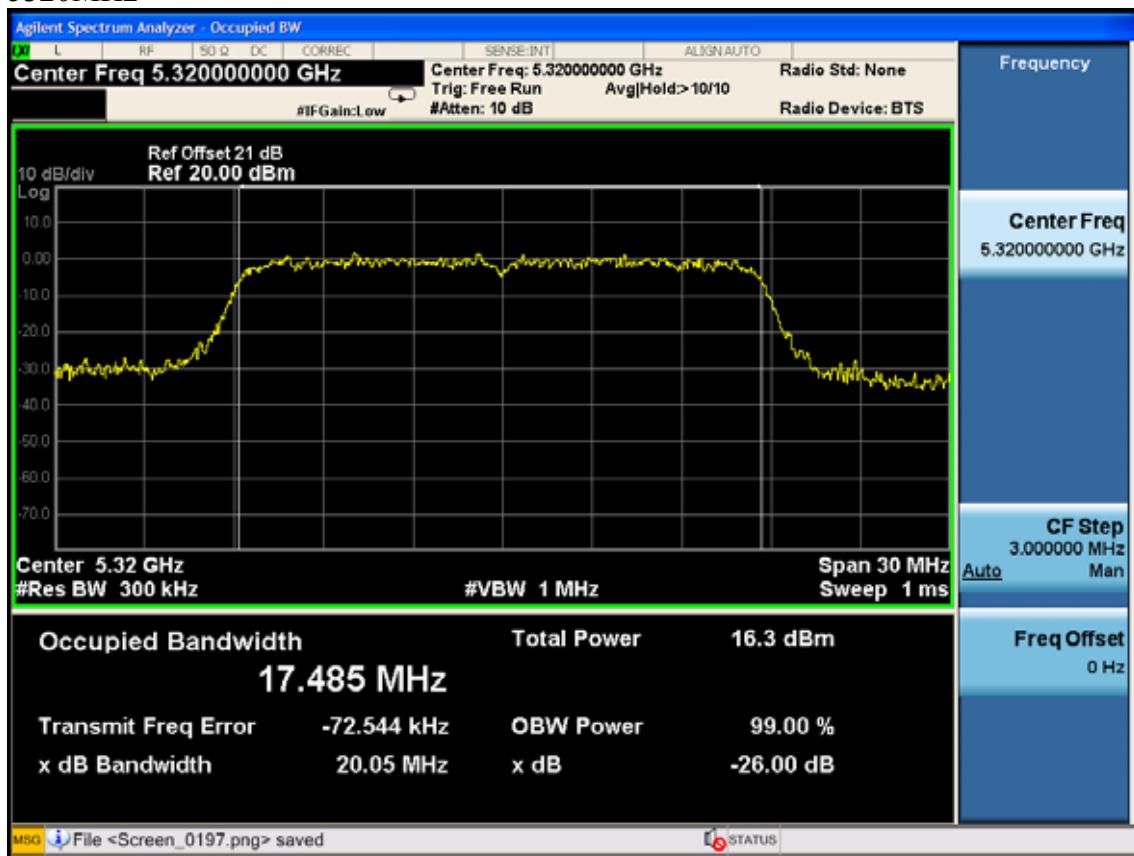
5260MHz



5300MHz

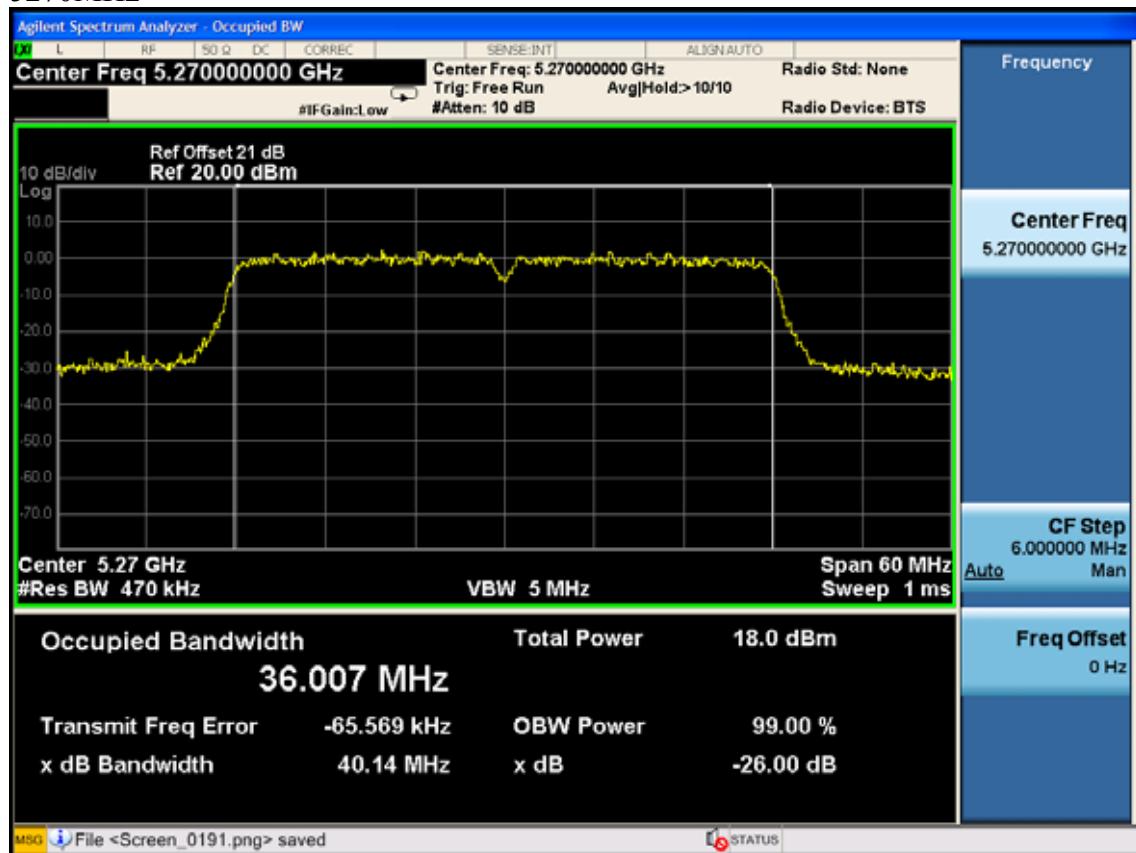
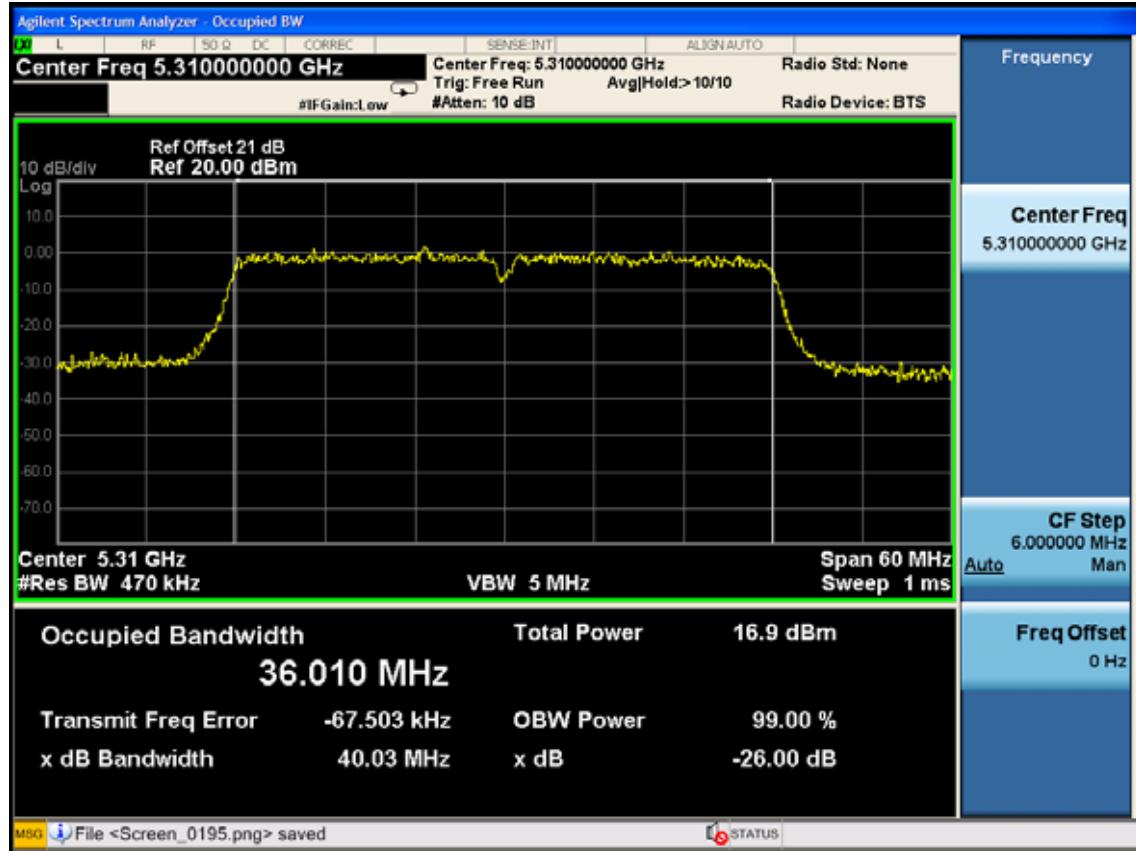


5320MHz



**11n HT40**

5270MHz

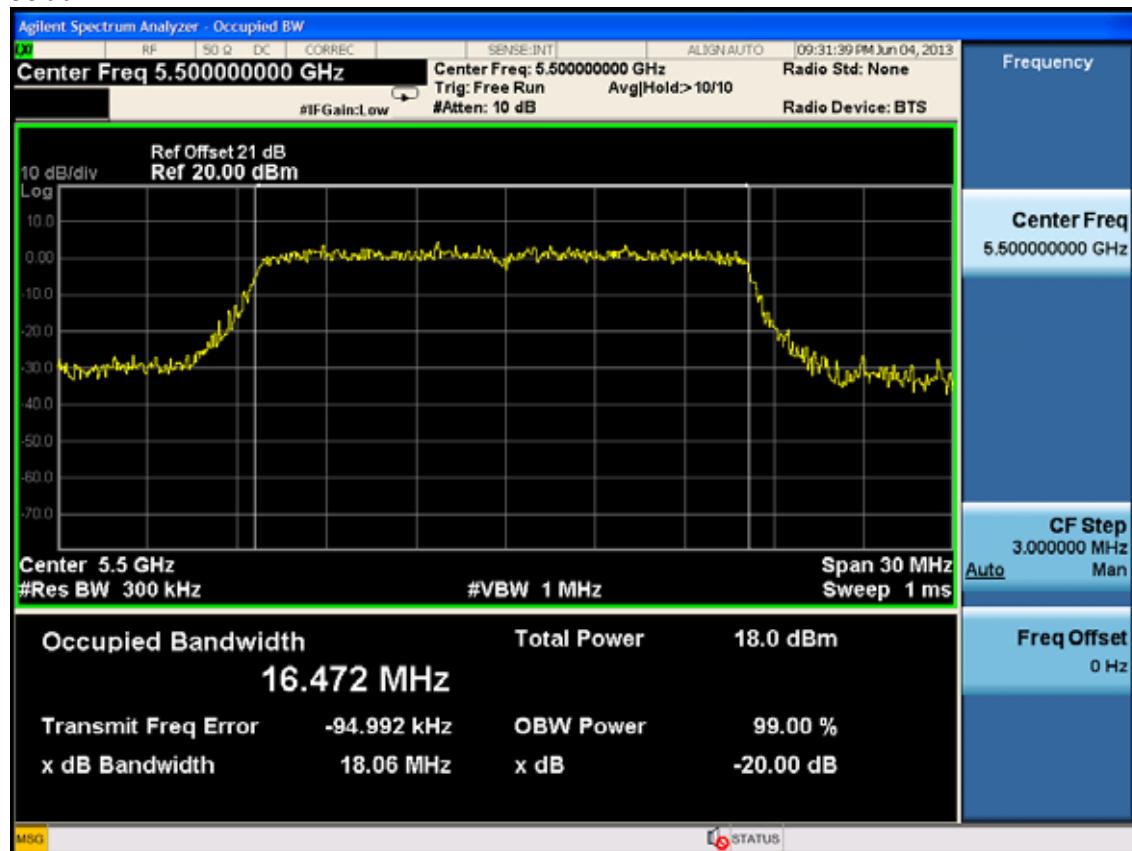
**5310MHz**

**(5.4 G) 20dB bandwidth:**

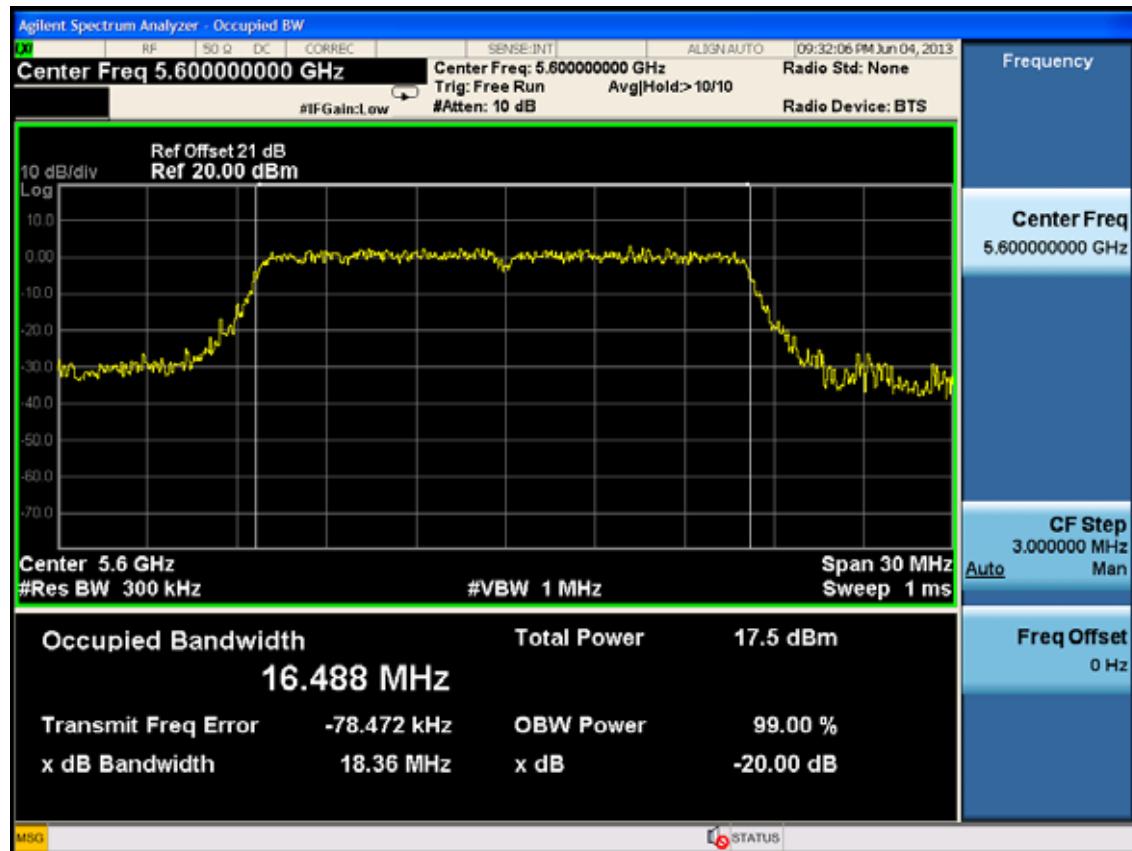
**ANT 0**

**11a**

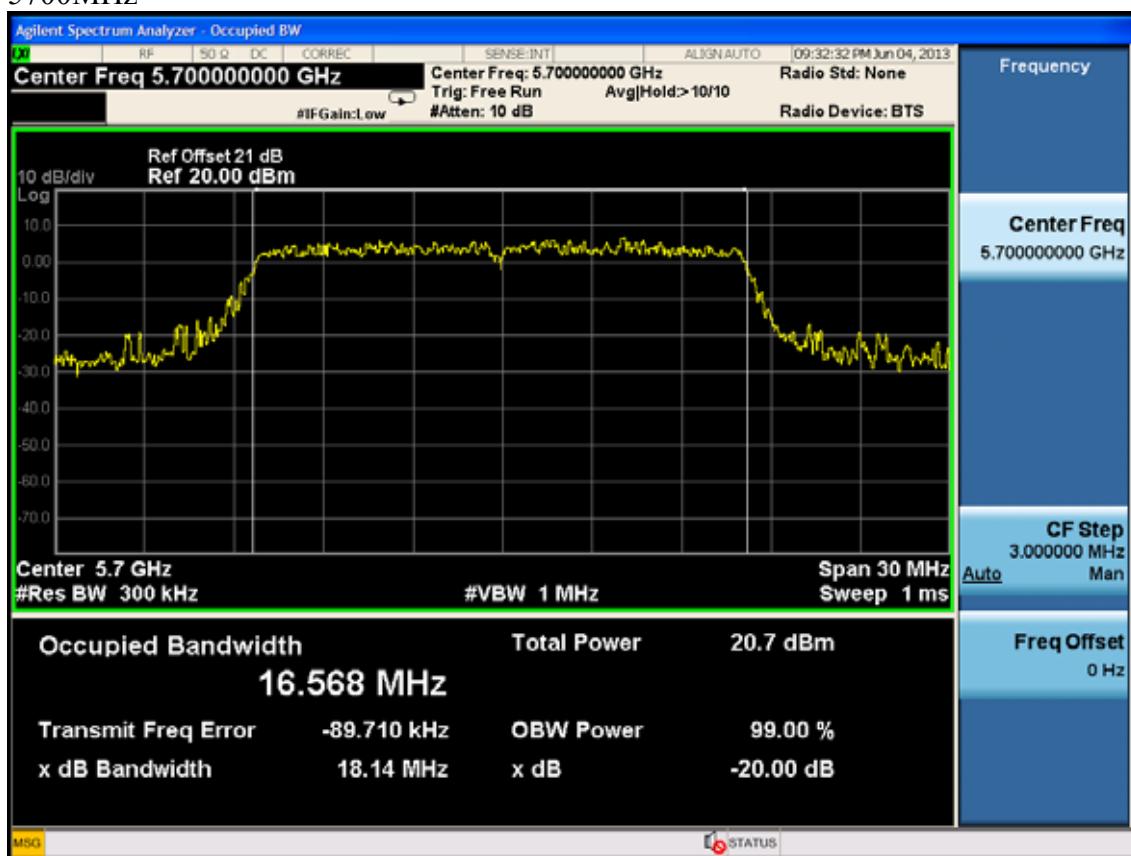
**5500MHz**



**5600MHz**

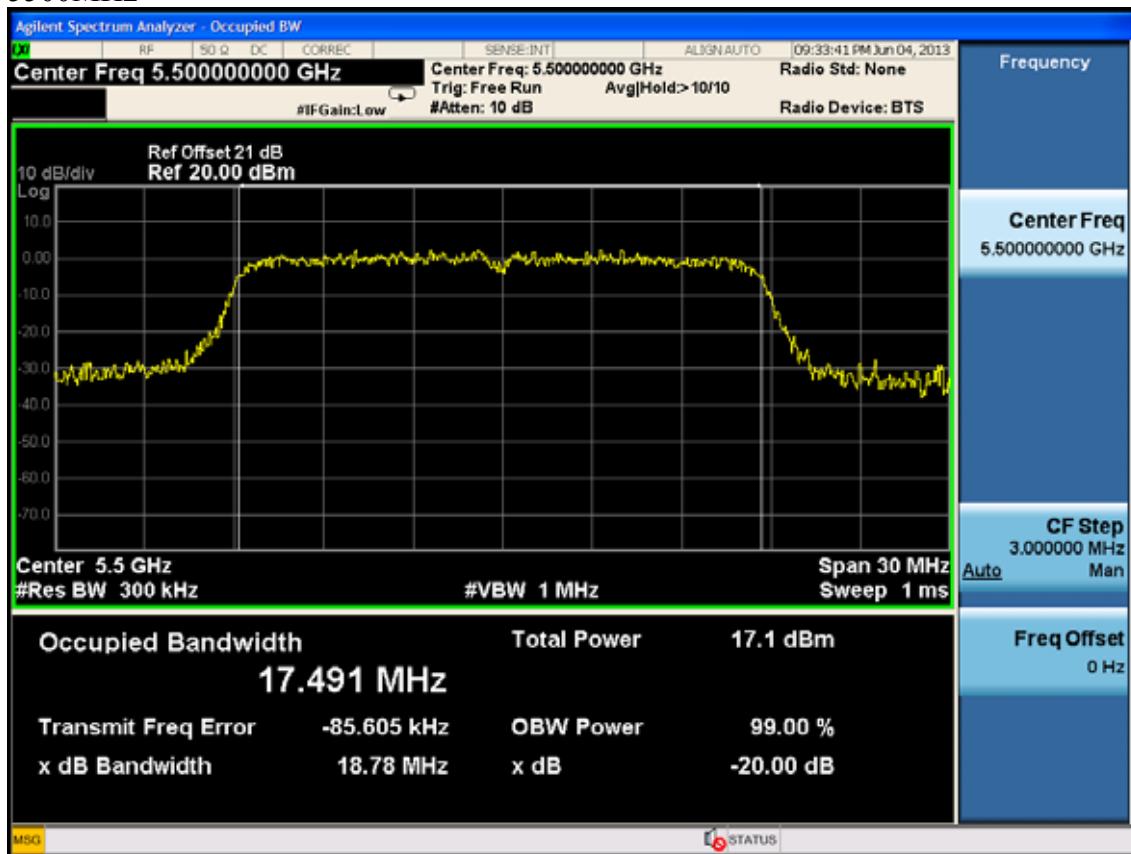


5700MHz

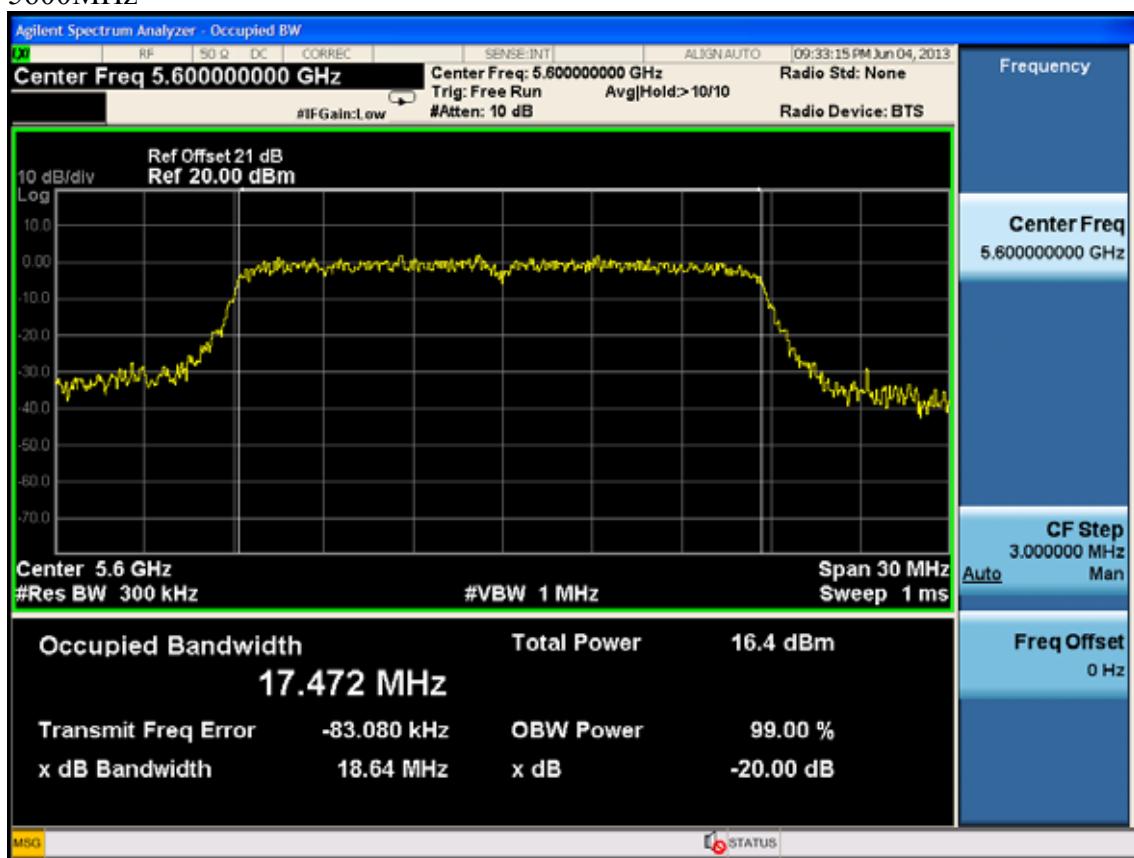


11nHT20

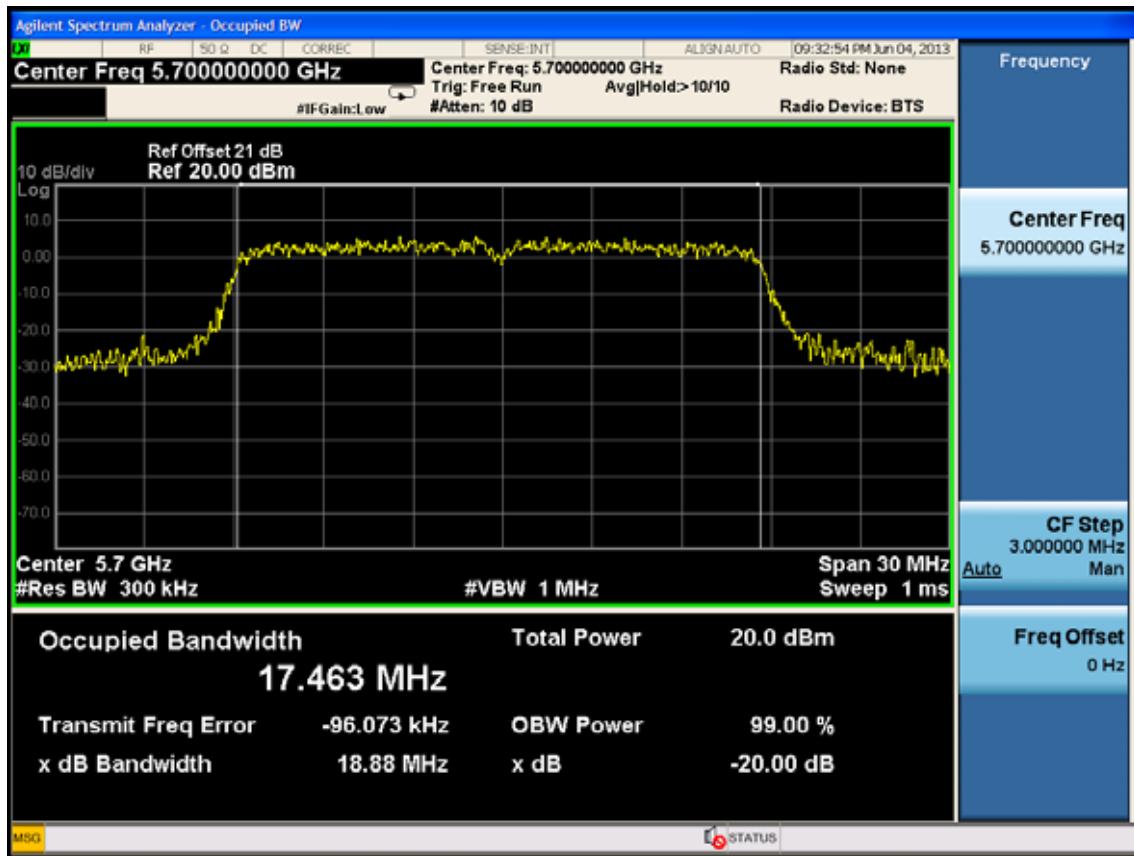
5500MHz



## 5600MHz

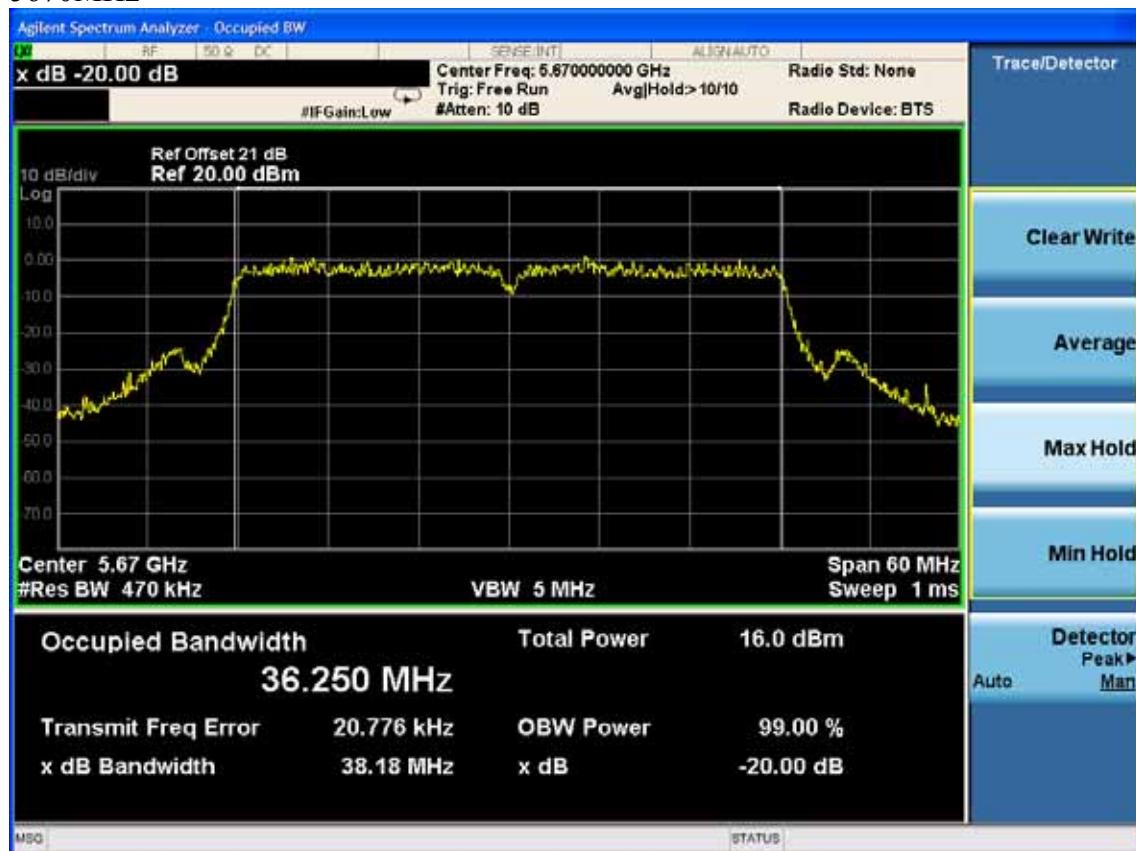


## 5700MHz



**11nHT40**

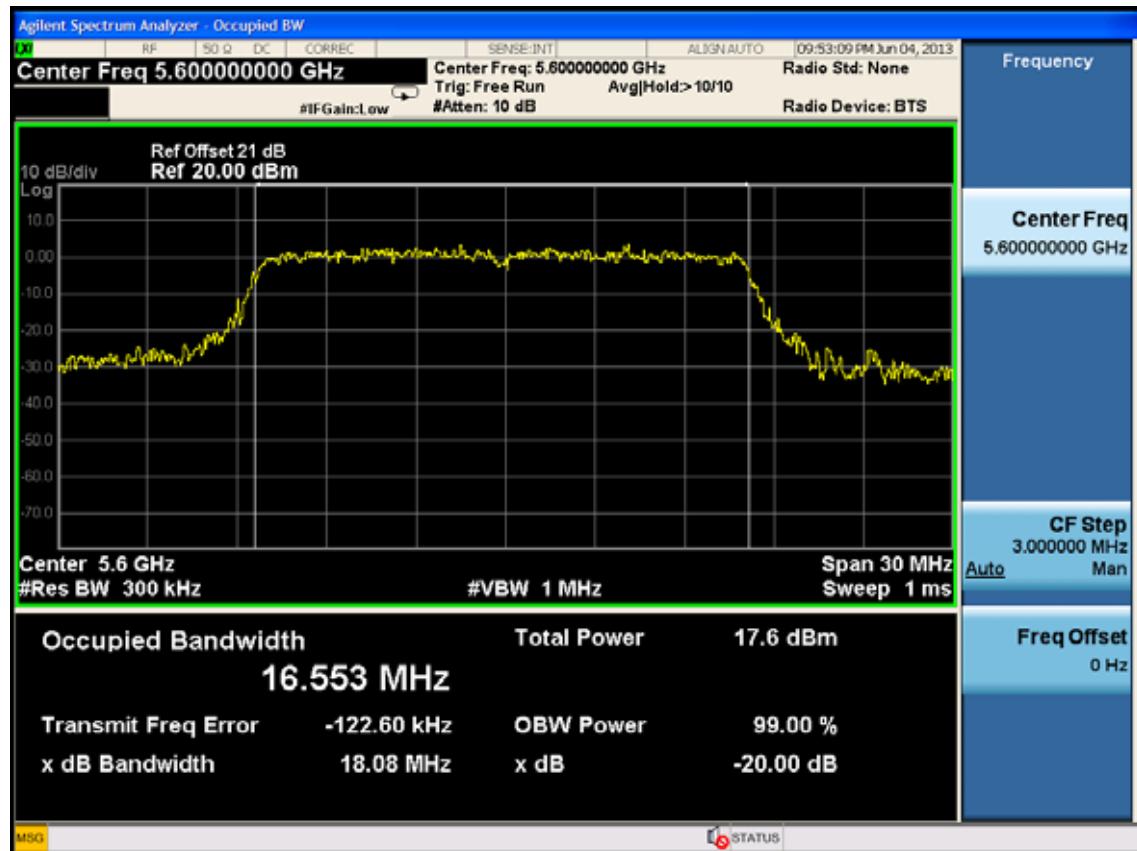
5510MHz

**5670MHz**

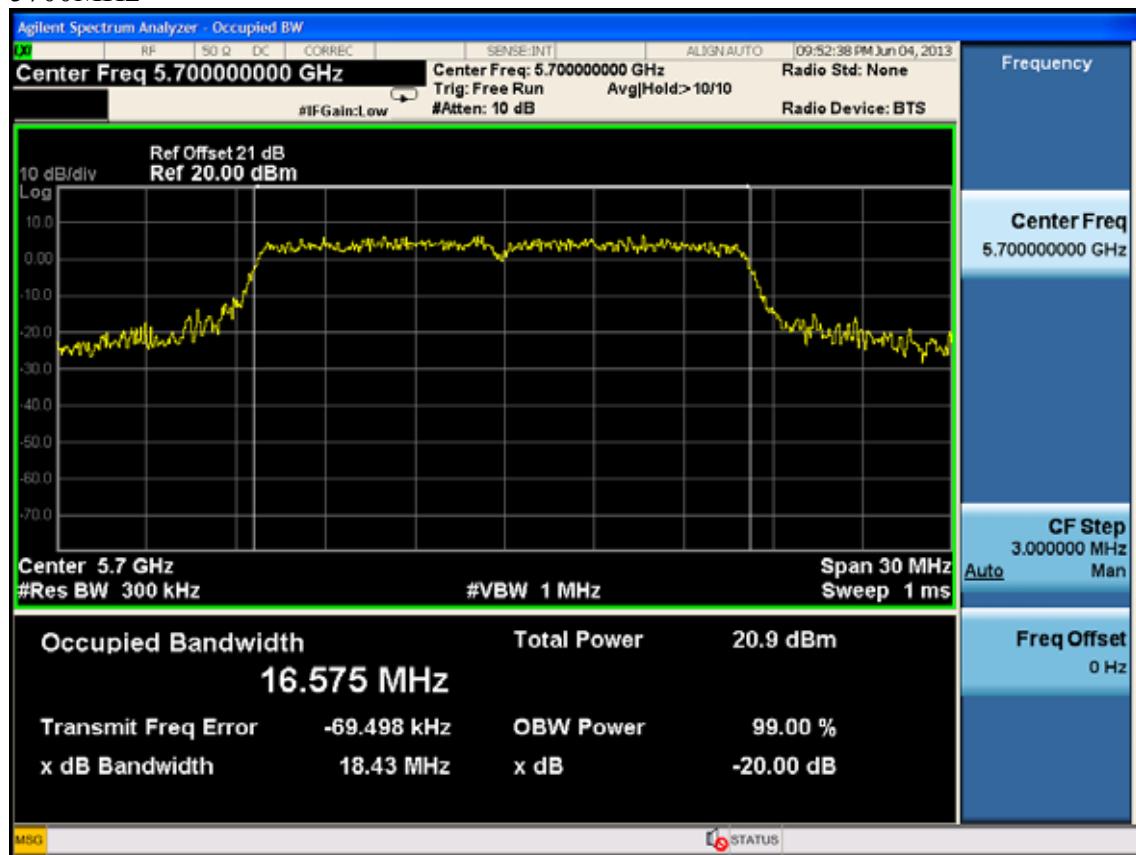
**ANT 1**  
**11a**  
**5500MHz**



5600MHz



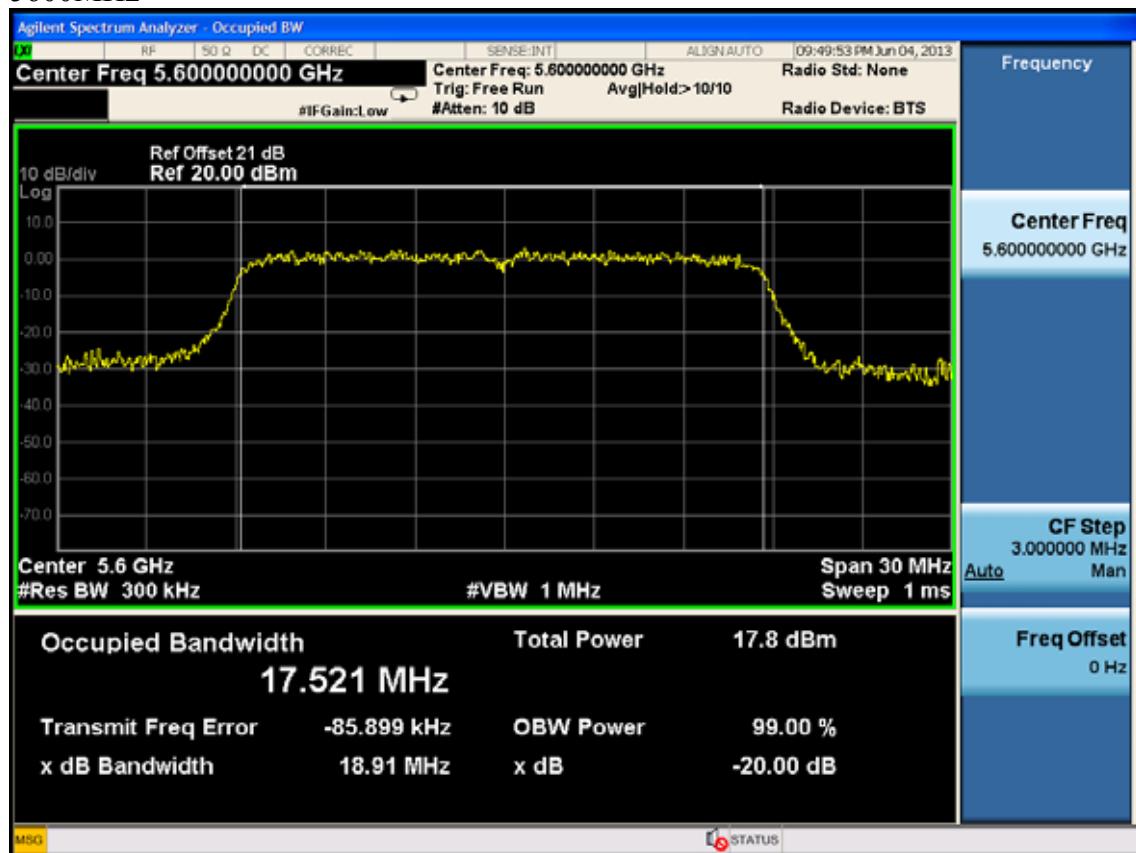
5700MHz


**11nHT20**

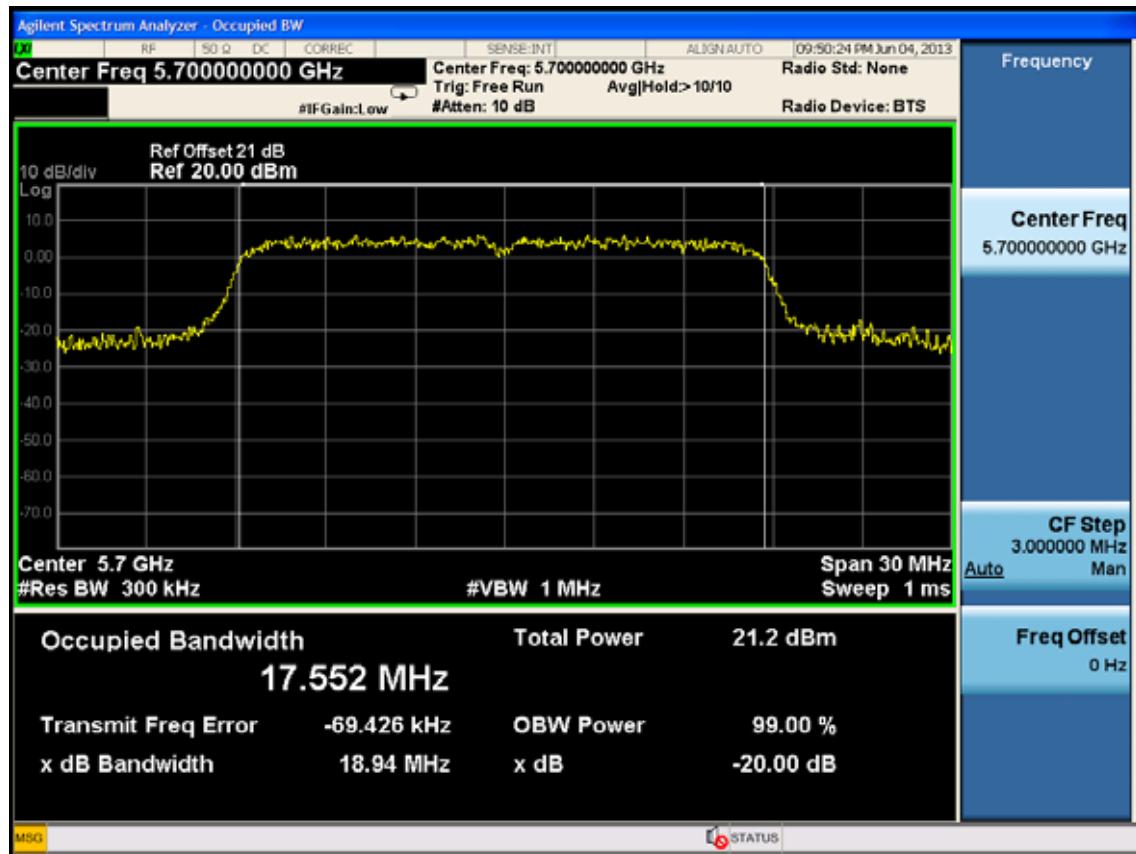
5500MHz



## 5600MHz



## 5700MHz



**11nHT40**

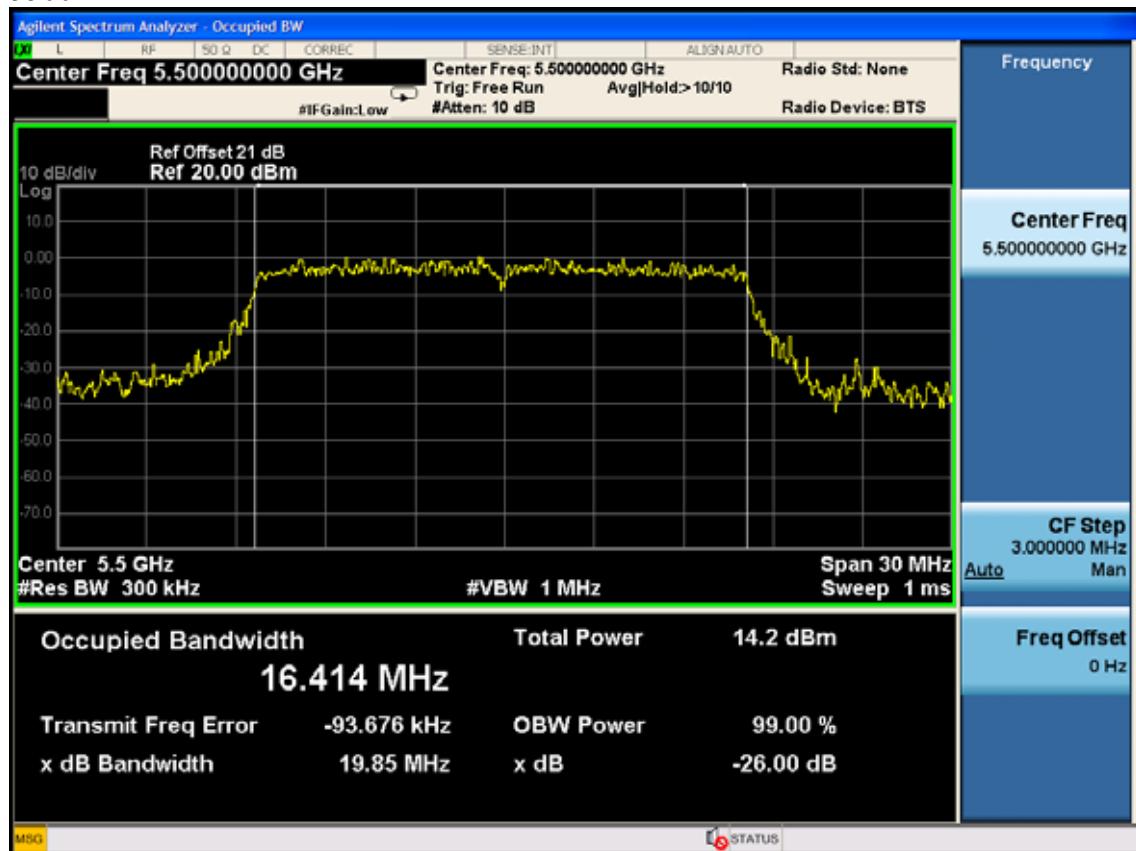
5510MHz

**5670MHz**

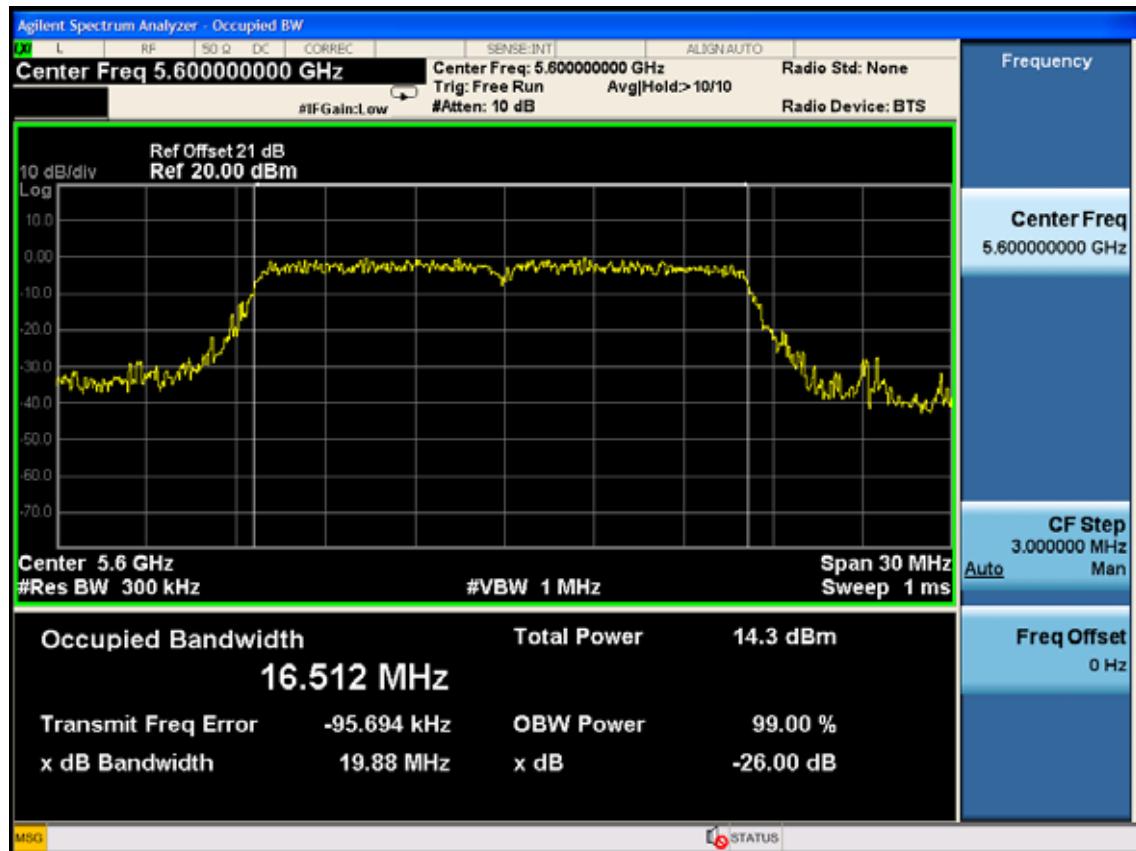
**(5470-5725MHz) 26dB bandwidth:**

11a

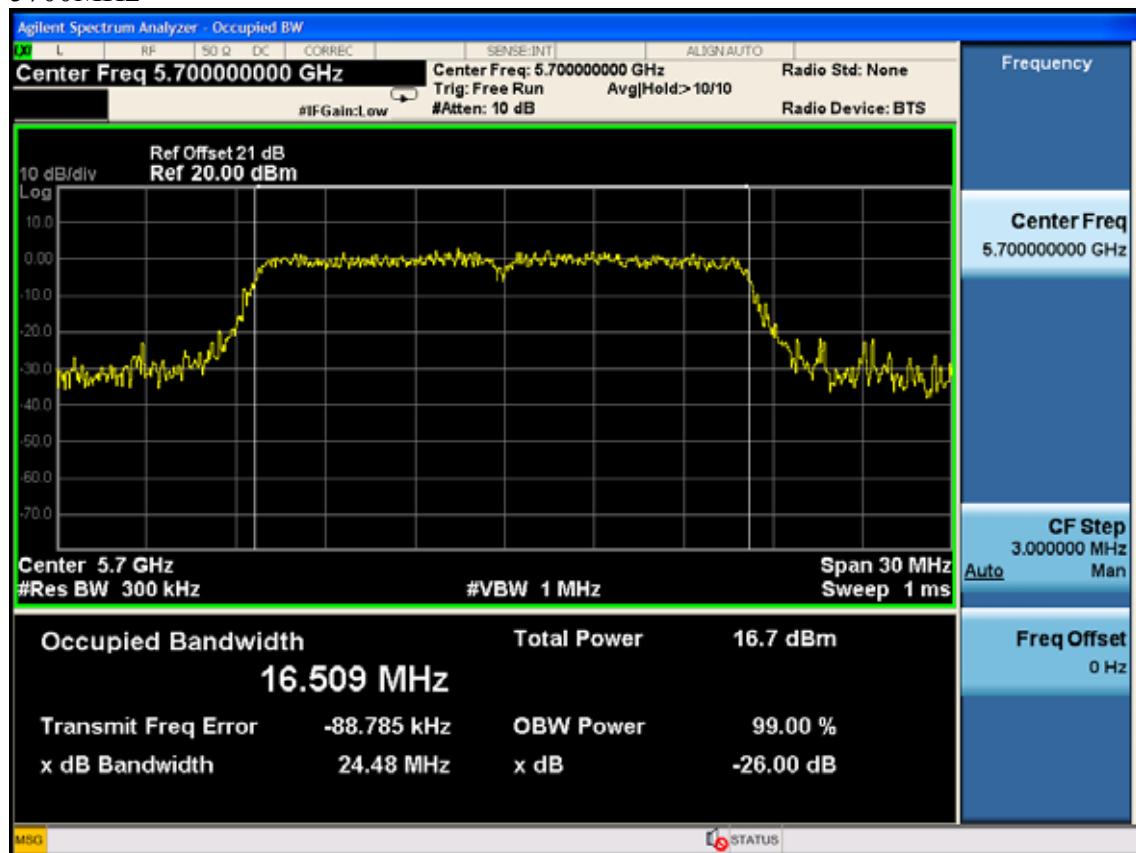
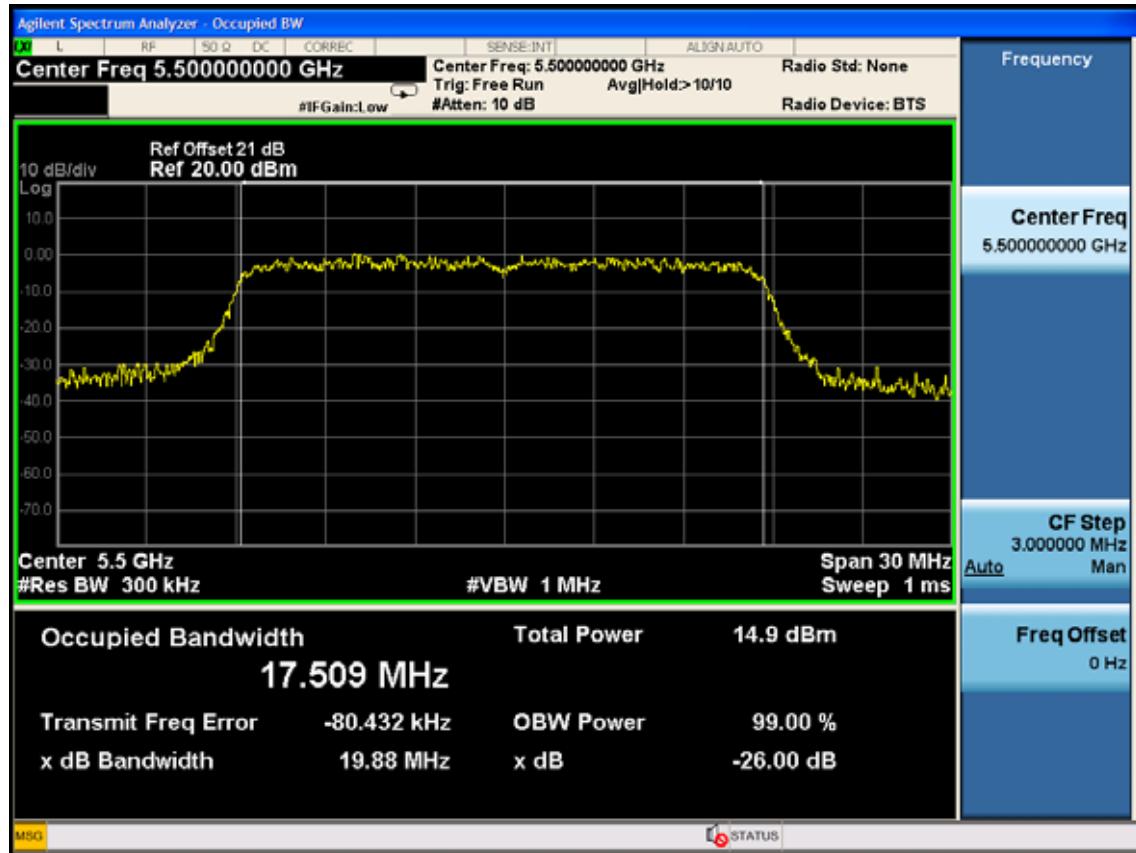
5500MHz



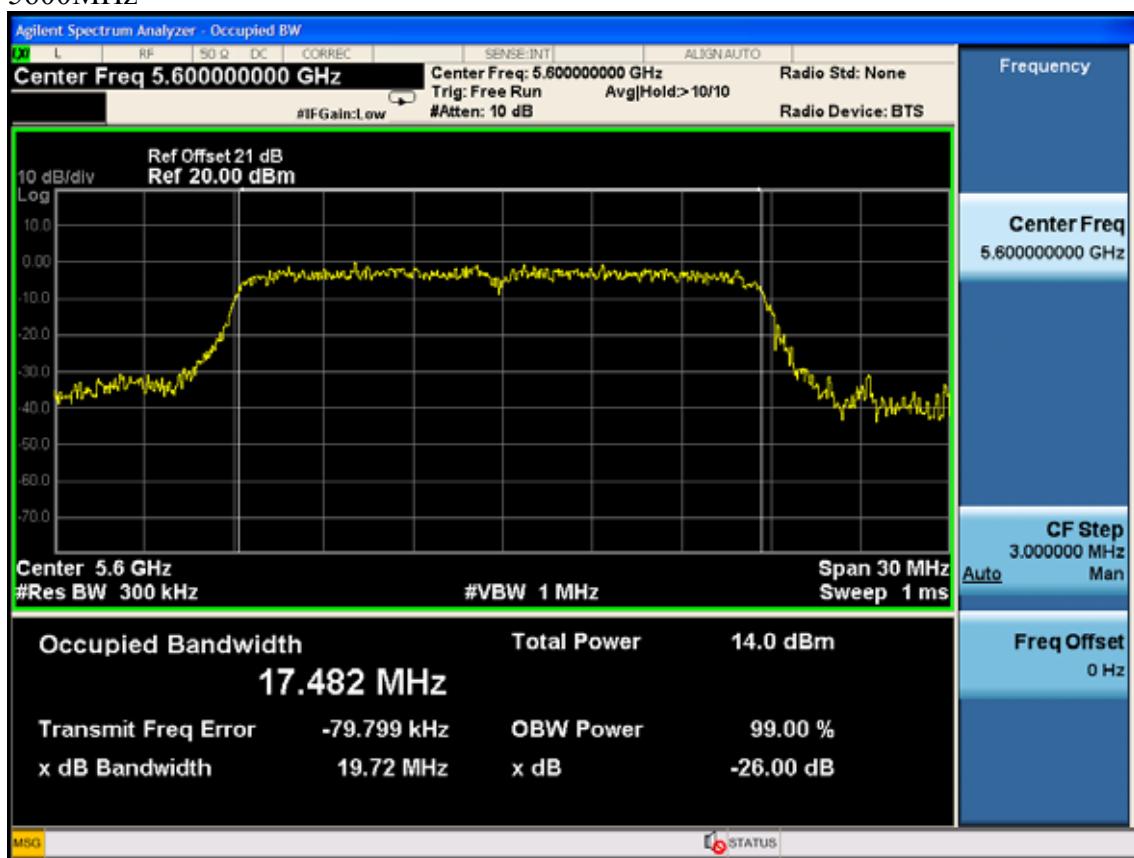
5600MHz



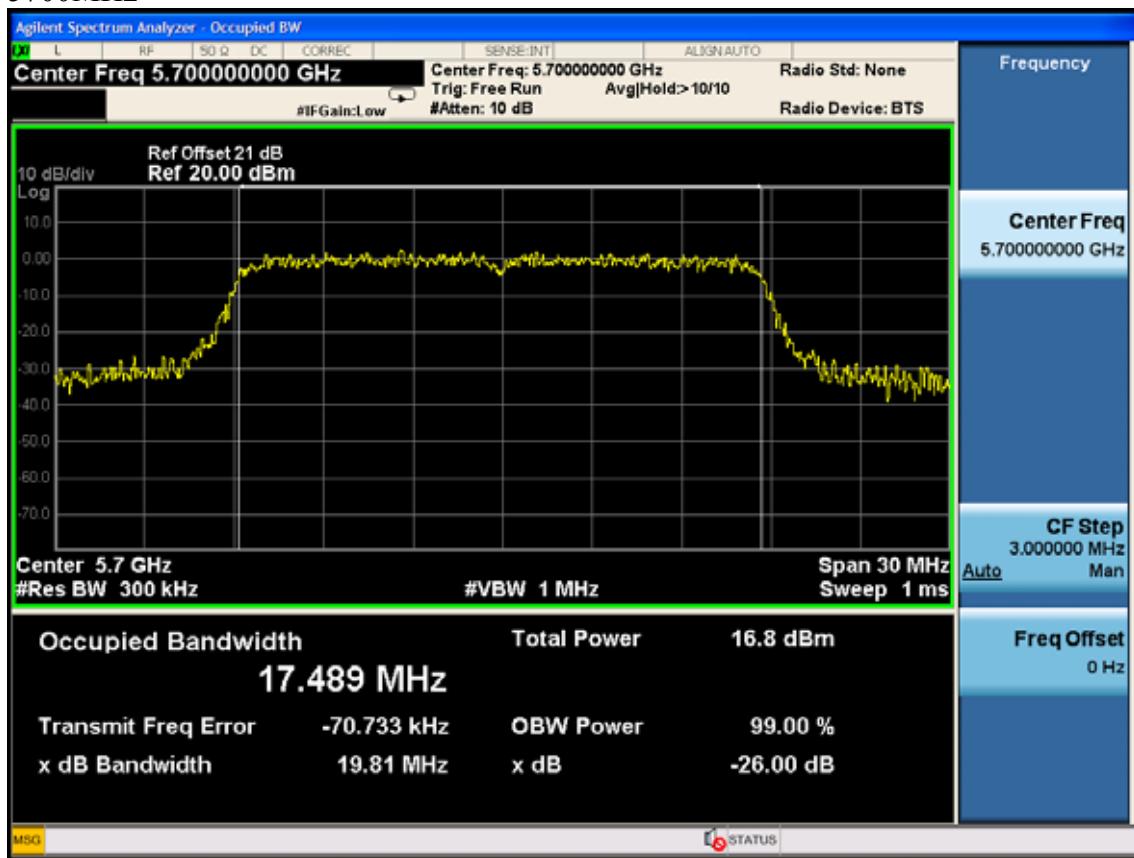
5700MHz


**11nHT20**  
 5500MHz


## 5600MHz



## 5700MHz

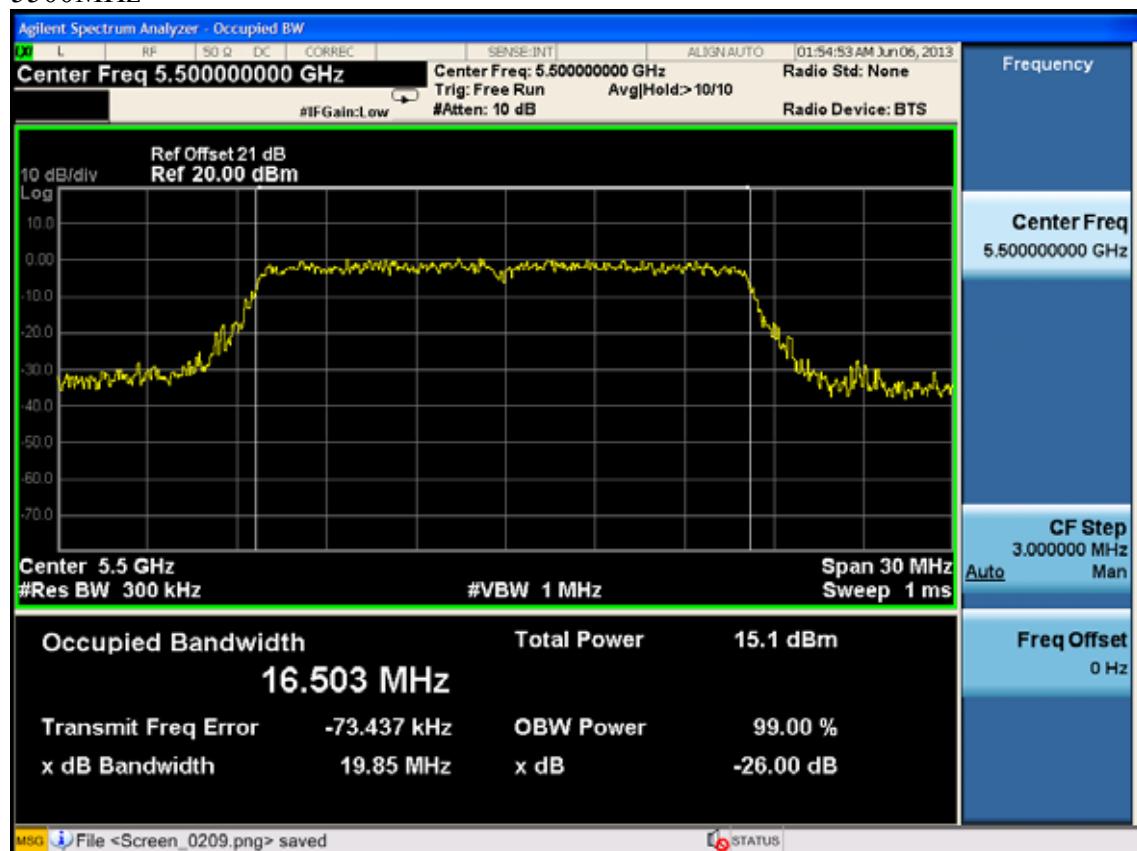


**11nHT40**

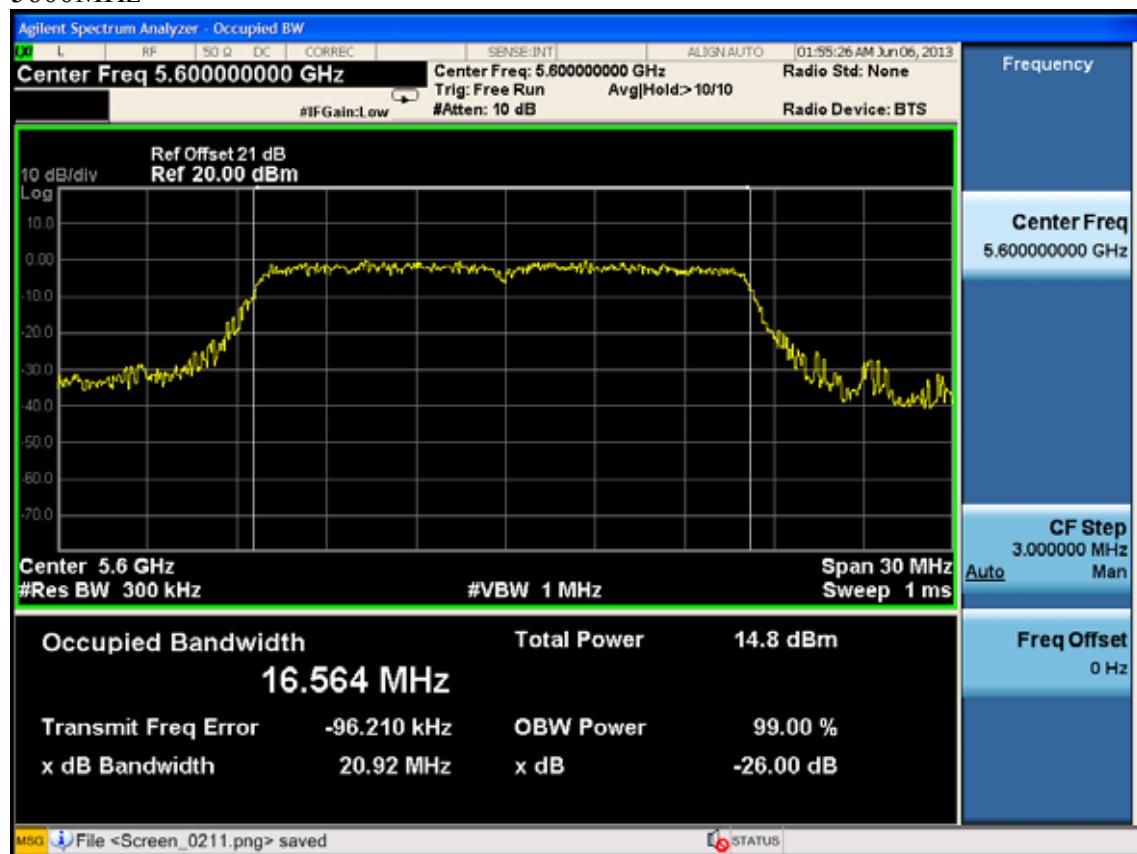
5510MHz

**5670MHz**

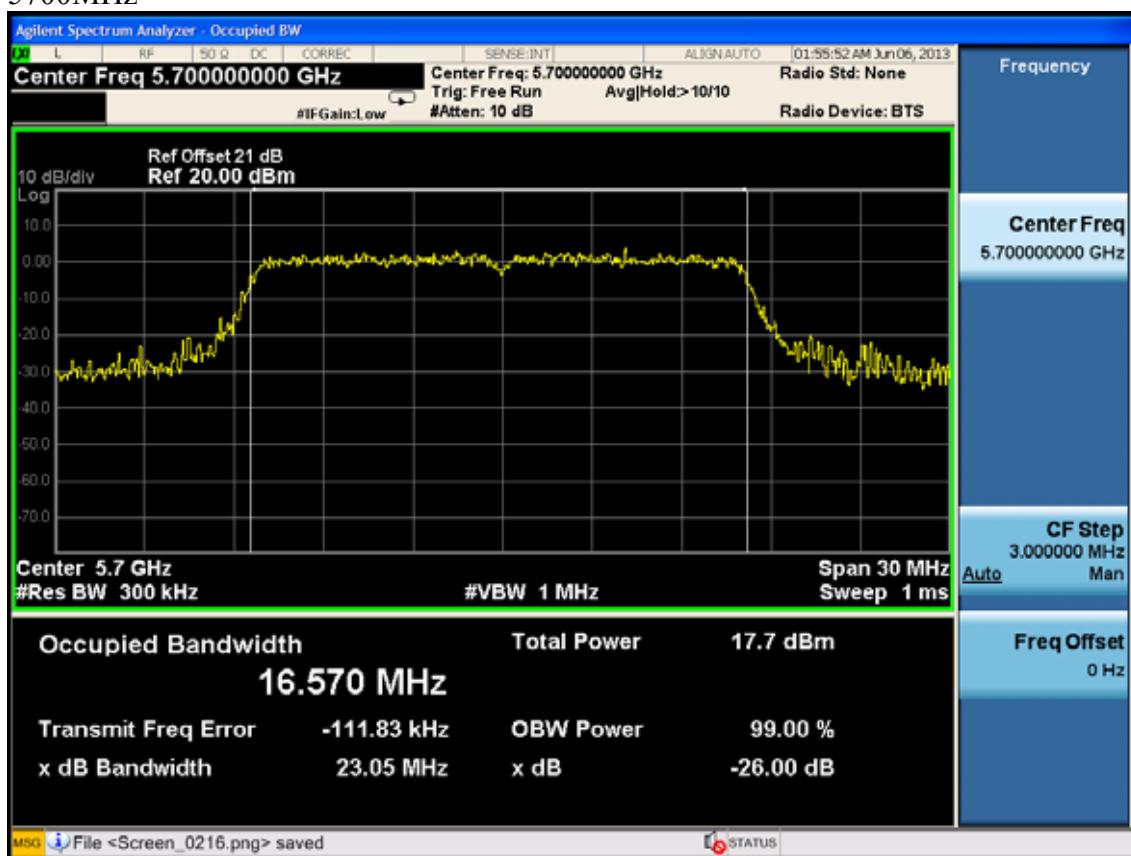
**ANT 1**  
**11a**  
**5500MHz**



5600MHz

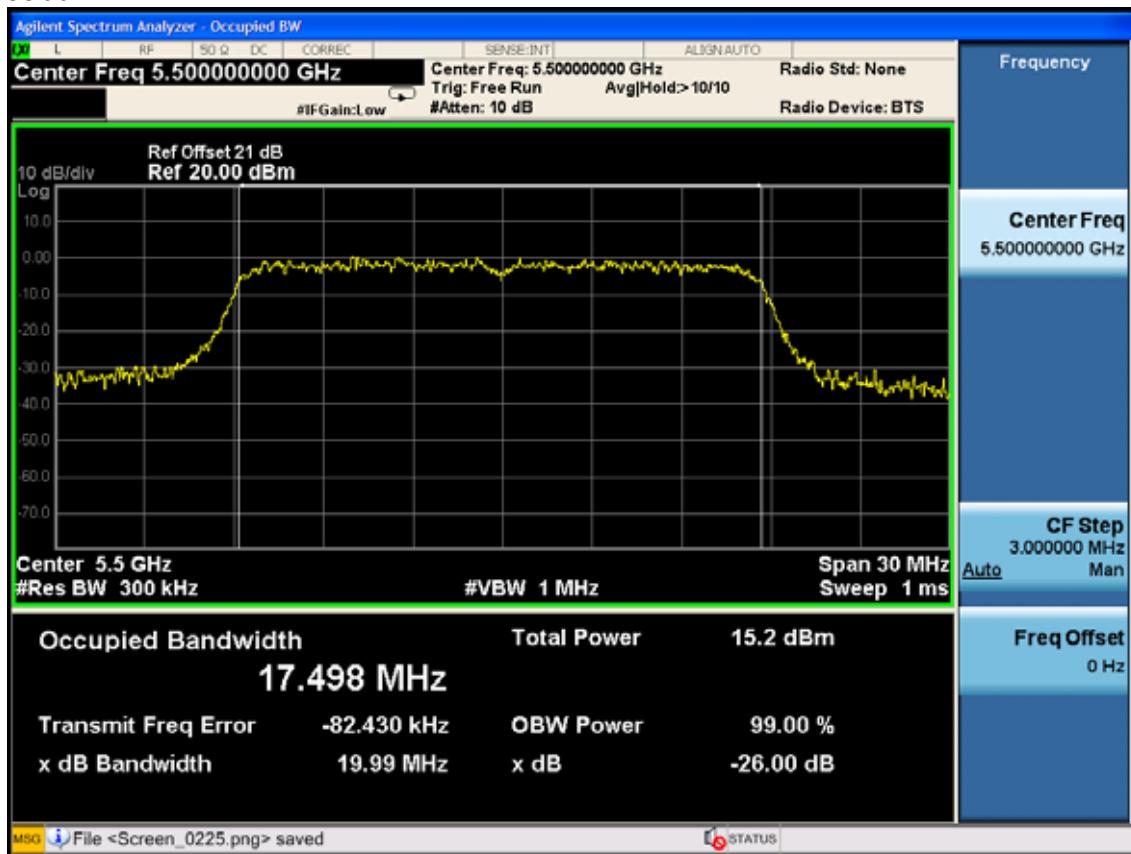


5700MHz

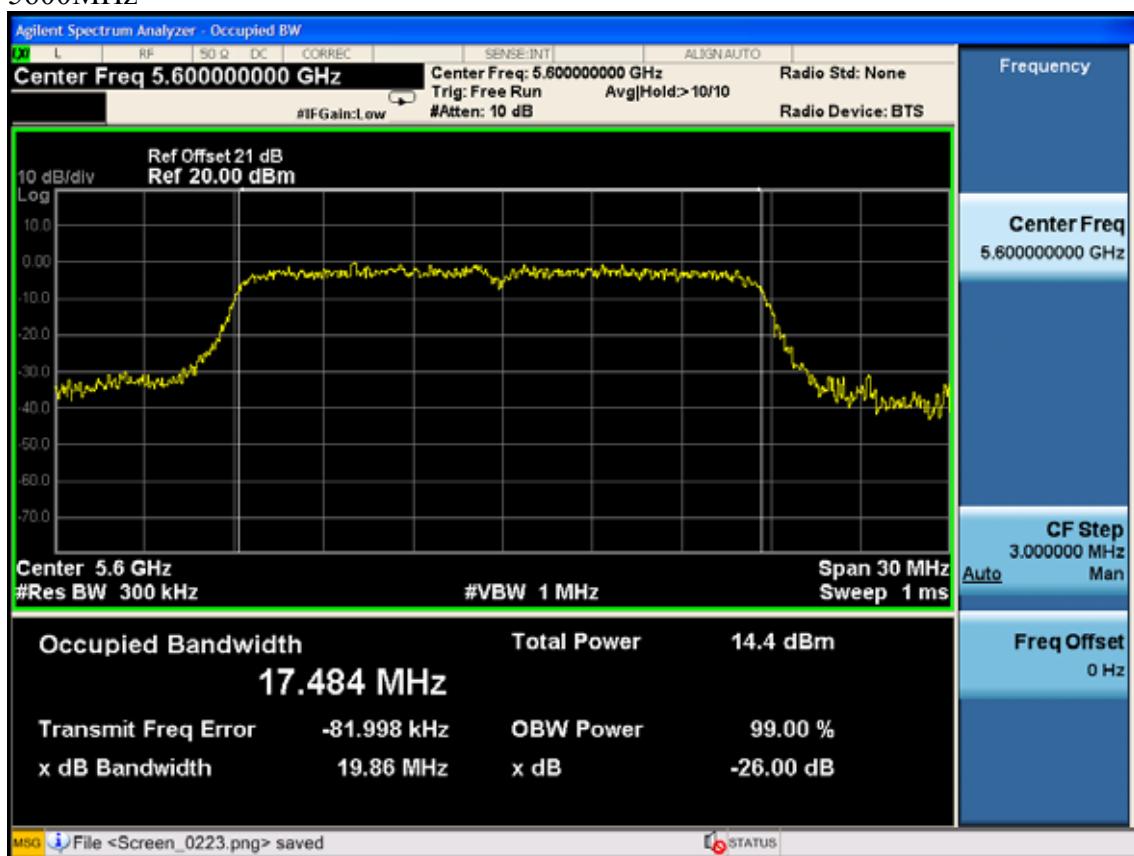


11nHT20

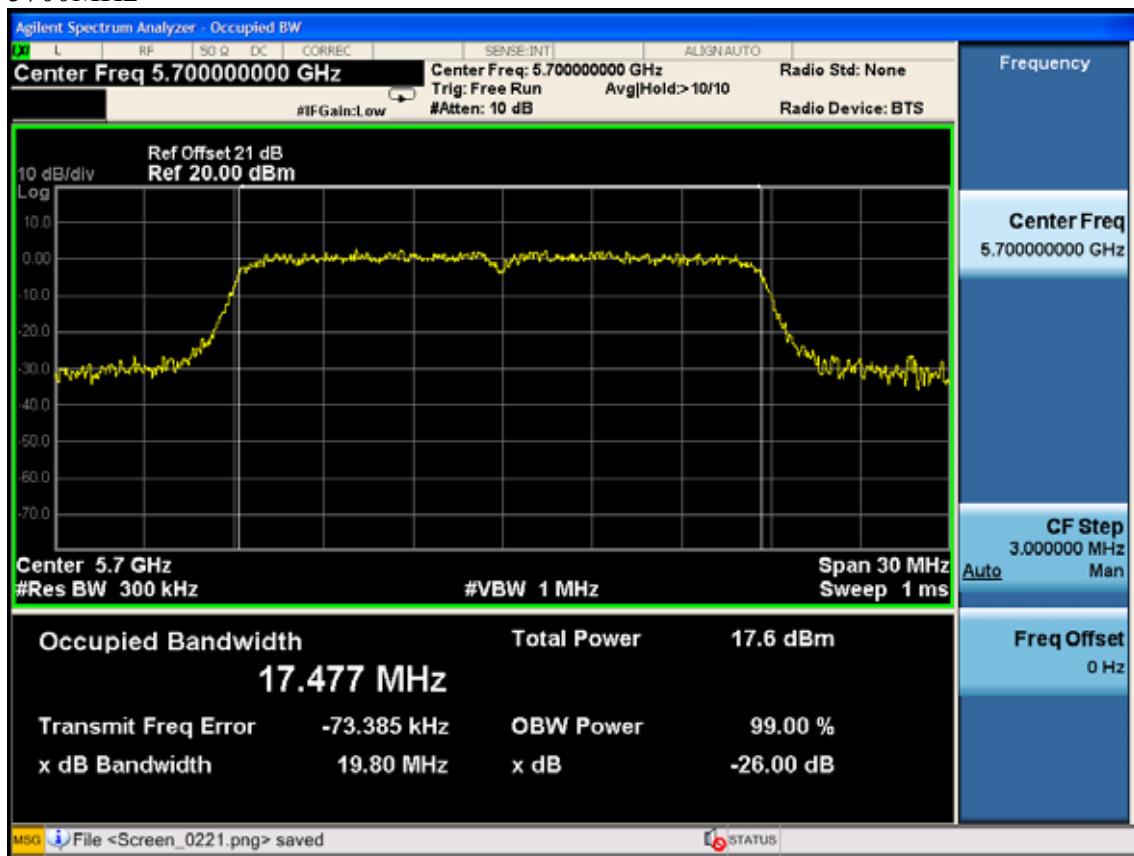
5500MHz



## 5600MHz



## 5700MHz



**11nHT40**

5510MHz

**5670MHz**

## 7. OUTPUT POWER TEST

### 7.1. Test Equipment

| Item | Equipment    | Manufacturer | Model No.   | Serial No. | Last Cal.  | Cal. Interval |
|------|--------------|--------------|-------------|------------|------------|---------------|
| 1.   | Spectrum     | Agilent      | E4446A      | US44300459 | May.08, 13 | 1 Year        |
| 2.   | Amp          | HP           | 8449B       | 3008A08495 | May.08, 13 | 1 Year        |
| 3.   | Antenna      | EMCO         | 3115        | 9607-4877  | May.08, 13 | 1 Year        |
| 4.   | HF Cable     | Hubersuhne   | Sucoflex104 | -          | May.08, 13 | 1 Year        |
| 1.   | Power Meter  | Anritsu      | ML2487A     | 6K00002472 | May.08, 13 | 1 Year        |
| 2.   | Power Sensor | Anritsu      | MA2491A     | 033005     | May.08, 13 | 1 Year        |

### 7.2. Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW or 4 dBm + 10log B, For the 5250-5350MHz and 5.47-5.725GHz the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250Mw or 11dBm+10 log B. where B is the 26-dB emission bandwidth in MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 7.3. Test Procedure

The transmitter output was connected to a spectrum analyzer by suitable attenuation, the channel power measure function of spectrum Analyzer was used to measure out the PK output power of device

## 7.4. Test Results

### 5150-5250MHz:

| EUT: Tablet PC        |                        |                         |                          |       |             |  |  |  |
|-----------------------|------------------------|-------------------------|--------------------------|-------|-------------|--|--|--|
| M/N:TOSHIBA WT8-A     |                        |                         |                          |       |             |  |  |  |
| Test date: 2013-09-13 | Pressure: 101.3±1.0kpa |                         | Humidity: 52.6±3.0%      |       |             |  |  |  |
| Tested by: Kevin_Hu   | Test site: RF site     |                         | Temperature: 22.3±0.6 °C |       |             |  |  |  |
|                       |                        |                         |                          |       |             |  |  |  |
| Cable loss: 1 dB      |                        | Attenuator loss: 20 dB  |                          |       |             |  |  |  |
| Test Mode             | Frequency (MHz)        | Peak output Power (dBm) |                          |       | Limit (dBm) |  |  |  |
|                       |                        | Chain 0                 | Chain 1                  | Total |             |  |  |  |
| 11a                   | 5180                   | 14.52                   | 15.25                    | N/A   | 17          |  |  |  |
|                       | 5200                   | 14.07                   | 14.62                    | N/A   | 17          |  |  |  |
|                       | 5240                   | 14.55                   | 14.98                    | N/A   | 17          |  |  |  |
| 11n<br>HT20           | 5180                   | 4.35                    | 14.78                    | 15.16 | 17          |  |  |  |
|                       | 5200                   | 4.72                    | 14.39                    | 14.83 | 17          |  |  |  |
|                       | 5240                   | 5.64                    | 14.80                    | 15.30 | 17          |  |  |  |
| 11n<br>HT40           | 5190                   | 2.21                    | 14.17                    | 14.44 | 17          |  |  |  |
|                       | 5230                   | 0.36                    | 14.45                    | 14.62 | 17          |  |  |  |
| Conclusion: PASS      |                        |                         |                          |       |             |  |  |  |

### 5250-5350MHz

| EUT: Tablet PC        |                        |                         |                          |       |             |  |  |  |
|-----------------------|------------------------|-------------------------|--------------------------|-------|-------------|--|--|--|
| M/N:TOSHIBA WT8-A     |                        |                         |                          |       |             |  |  |  |
| Test date: 2013-09-13 | Pressure: 101.2±1.0kpa |                         | Humidity: 52.5±3.0%      |       |             |  |  |  |
| Tested by: Kevin_Hu   | Test site: RF site     |                         | Temperature: 22.8±0.6 °C |       |             |  |  |  |
|                       |                        |                         |                          |       |             |  |  |  |
| Cable loss: 1 dB      |                        | Attenuator loss: 20 dB  |                          |       |             |  |  |  |
| Test Mode             | Frequency (MHz)        | Peak output Power (dBm) |                          |       | Limit (dBm) |  |  |  |
|                       |                        | Chain 0                 | Chain 1                  | Total |             |  |  |  |
| 11a                   | 5260                   | 21.12                   | 22.88                    | N/A   | 24          |  |  |  |
|                       | 5300                   | 21.01                   | 22.79                    | N/A   | 24          |  |  |  |
|                       | 5320                   | 20.79                   | 22.24                    | N/A   | 24          |  |  |  |
| 11n<br>HT20           | 5260                   | 18.25                   | 20.64                    | 22.62 | 24          |  |  |  |
|                       | 5300                   | 17.69                   | 20.36                    | 22.24 | 24          |  |  |  |
|                       | 5320                   | 17.15                   | 20.14                    | 21.91 | 24          |  |  |  |
| 11n<br>HT40           | 5270                   | 17.46                   | 20.43                    | 22.20 | 24          |  |  |  |
|                       | 5310                   | 17.24                   | 20.47                    | 22.16 | 24          |  |  |  |
| Conclusion: PASS      |                        |                         |                          |       |             |  |  |  |

**5470-5725MHz:**

| EUT: Tablet PC        |                        |                         |                         |       |             |  |  |  |
|-----------------------|------------------------|-------------------------|-------------------------|-------|-------------|--|--|--|
| M/N:TOSHIBA WT8-A     |                        |                         |                         |       |             |  |  |  |
| Test date: 2013-09-16 | Pressure: 101.2±1.0kpa |                         | Humidity: 52.2±3.0%     |       |             |  |  |  |
| Tested by: Kevin_Hu   | Test site: RF site     |                         | Temperature:23.5±0.6 °C |       |             |  |  |  |
|                       |                        |                         |                         |       |             |  |  |  |
| Cable loss: 1 dB      |                        | Attenuator loss: 20 dB  |                         |       |             |  |  |  |
| Test Mode             | Frequency (MHz)        | Peak output Power (dBm) |                         |       | Limit (dBm) |  |  |  |
|                       |                        | Chain 0                 | Chain 1                 | Total |             |  |  |  |
| 11a                   | 5500                   | 20.67                   | 20.73                   | N/A   | 24          |  |  |  |
|                       | 5600                   | 20.36                   | 20.63                   | N/A   | 24          |  |  |  |
|                       | 5700                   | 20.68                   | 20.85                   | N/A   | 24          |  |  |  |
| 11n HT20              | 5500                   | 19.48                   | 19.99                   | 22.75 | 24          |  |  |  |
|                       | 5600                   | 19.37                   | 20.58                   | 23.03 | 24          |  |  |  |
|                       | 5700                   | 20.15                   | 20.22                   | 23.20 | 24          |  |  |  |
| 11n HT40              | 5510                   | 19.26                   | 20.16                   | 22.74 | 24          |  |  |  |
|                       | 5670                   | 19.62                   | 20.21                   | 22.94 | 24          |  |  |  |
| Conclusion: PASS      |                        |                         |                         |       |             |  |  |  |

## 8. POWER SPECTRAL DENSITY TEST

### 8.1. Test Equipment

| Item | Equipment           | Manufacturer | Model No.   | Serial No. | Last Cal.  | Cal. Interval |
|------|---------------------|--------------|-------------|------------|------------|---------------|
| 1.   | PXA Signal Analyzer | Agilent      | N9030A      | MY51380221 | Oct.31, 12 | 1 Year        |
| 2.   | Amp                 | HP           | 8449B       | 3008A08495 | May.08, 13 | 1 Year        |
| 3.   | Antenna             | EMCO         | 3115        | 9607-4877  | Aug.28, 13 | 1 Year        |
| 4.   | HF Cable            | Hubersuhne   | Sucoflex104 | -          | May.08, 13 | 1 Year        |

### 8.2. Limit

For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. 5250-5350MHz, 5470-5725MHz shall not exceed 11dBm in any 1-MHz band.

### 8.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW

## 8.4. Test Results

### 5150-5250MHz:

|                       |                        |  |                         |  |  |
|-----------------------|------------------------|--|-------------------------|--|--|
| EUT: Tablet PC        |                        |  |                         |  |  |
| M/N:TOSHIBA WT8-A     |                        |  |                         |  |  |
| Test date: 2013-09-13 | Pressure: 101.3±1.0kpa |  | Humidity:52.6±3.0%      |  |  |
| Tested by: Kevin_Hu   | Test site: RF site     |  | Temperature:22.7±0.6 °C |  |  |

| Cable loss: 1 dB |                 |           | Attenuator loss: 20 dB |           |           |
|------------------|-----------------|-----------|------------------------|-----------|-----------|
| Test Mode        | Frequency (MHz) | Chain 0   | Chain 1                | Total     | Limit     |
|                  |                 | (dBm/MHz) | (dBm/MHz)              | (dBm/MHz) | (dBm/MHz) |
| 11a              | 5180            | 2.532     | 2.287                  | N/A       | 4         |
|                  | 5200            | 2.265     | 1.481                  | N/A       | 4         |
|                  | 5240            | 1.961     | 1.360                  | N/A       | 4         |
| 11n HT20         | 5180            | -0.731    | -2.166                 | 1.62      | 4         |
|                  | 5200            | -1.029    | -2.132                 | 1.46      | 4         |
|                  | 5240            | -1.525    | -2.329                 | 1.10      | 4         |
| 11n HT40         | 5190            | -3.301    | -3.964                 | -0.61     | 4         |
|                  | 5230            | -3.311    | -3.897                 | -0.58     | 4         |
| Conclusion: PASS |                 |           |                        |           |           |

### 5250-5350MHz

|                       |                        |  |                         |  |  |
|-----------------------|------------------------|--|-------------------------|--|--|
| EUT: Tablet PC        |                        |  |                         |  |  |
| M/N:TOSHIBA WT8-A     |                        |  |                         |  |  |
| Test date: 2013-09-13 | Pressure: 101.2±1.0kpa |  | Humidity:51.5±3.0%      |  |  |
| Tested by: Kevin_Hu   | Test site: RF site     |  | Temperature:22.8±0.6 °C |  |  |

| Cable loss: 1 dB |                 |           | Attenuator loss: 20 dB |           |           |
|------------------|-----------------|-----------|------------------------|-----------|-----------|
| Test Mode        | Frequency (MHz) | Chain 0   | Chain 1                | Total     | Limit     |
|                  |                 | (dBm/MHz) | (dBm/MHz)              | (dBm/MHz) | (dBm/MHz) |
| 11a              | 5260            | 9.074     | 8.983                  | N/A       | 11        |
|                  | 5300            | 8.506     | 9.079                  | N/A       | 11        |
|                  | 5320            | 8.206     | 8.878                  | N/A       | 11        |
| 11n HT20         | 5260            | 5.400     | 4.923                  | 8.18      | 11        |
|                  | 5300            | 4.559     | 4.880                  | 7.73      | 11        |
|                  | 5320            | 3.887     | 4.587                  | 7.26      | 11        |
| 11n HT40         | 5270            | 3.452     | 2.895                  | 6.19      | 11        |
|                  | 5310            | 2.630     | 3.005                  | 5.83      | 11        |
| Conclusion: PASS |                 |           |                        |           |           |

**5470-5725MHz:**

|                       |                        |                         |
|-----------------------|------------------------|-------------------------|
| EUT: Tablet PC        |                        |                         |
| M/N:TOSHIBA WT8-A     |                        |                         |
| Test date: 2013-09-16 | Pressure: 101.2±1.0kpa | Humidity:52.4±3.0%      |
| Tested by: Kevin_Hu   | Test site: RF site     | Temperature:23.5±0.6 °C |

| Cable loss: 1 dB |           |           | Attenuator loss: 20 dB |             |             |
|------------------|-----------|-----------|------------------------|-------------|-------------|
| Test Mode        | Frequenc  | Chain 0   | Chain 1                | Total       | Limit       |
|                  | y ( MHz ) | (dBm/MHz) | (dBm/MHz)              | ( dBm/MHz ) | ( dBm/MHz ) |
| 11a              | 5500      | 8.824     | 9.363                  | N/A         | 11          |
|                  | 5600      | 9.228     | 8.162                  | N/A         | 11          |
|                  | 5700      | 8.695     | 8.050                  | N/A         | 11          |
| 11n HT20         | 5500      | 4.718     | 4.643                  | 7.69        | 11          |
|                  | 5600      | 3.806     | 3.212                  | 6.53        | 11          |
|                  | 5700      | 4.322     | 4.088                  | 7.22        | 11          |
| 11n HT40         | 5510      | 1.887     | 2.569                  | 5.25        | 11          |
|                  | 5670      | 1.504     | 2.992                  | 4.76        | 11          |
| Conclusion: PASS |           |           |                        |             |             |