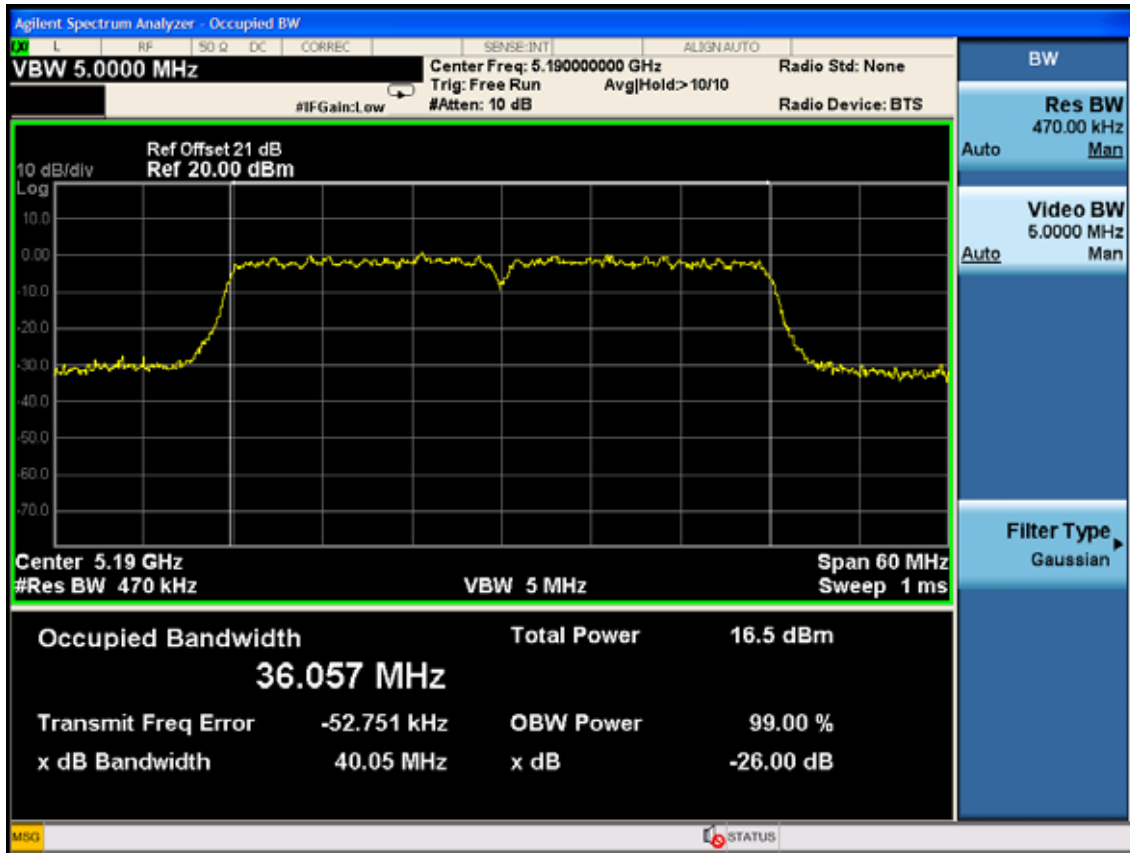
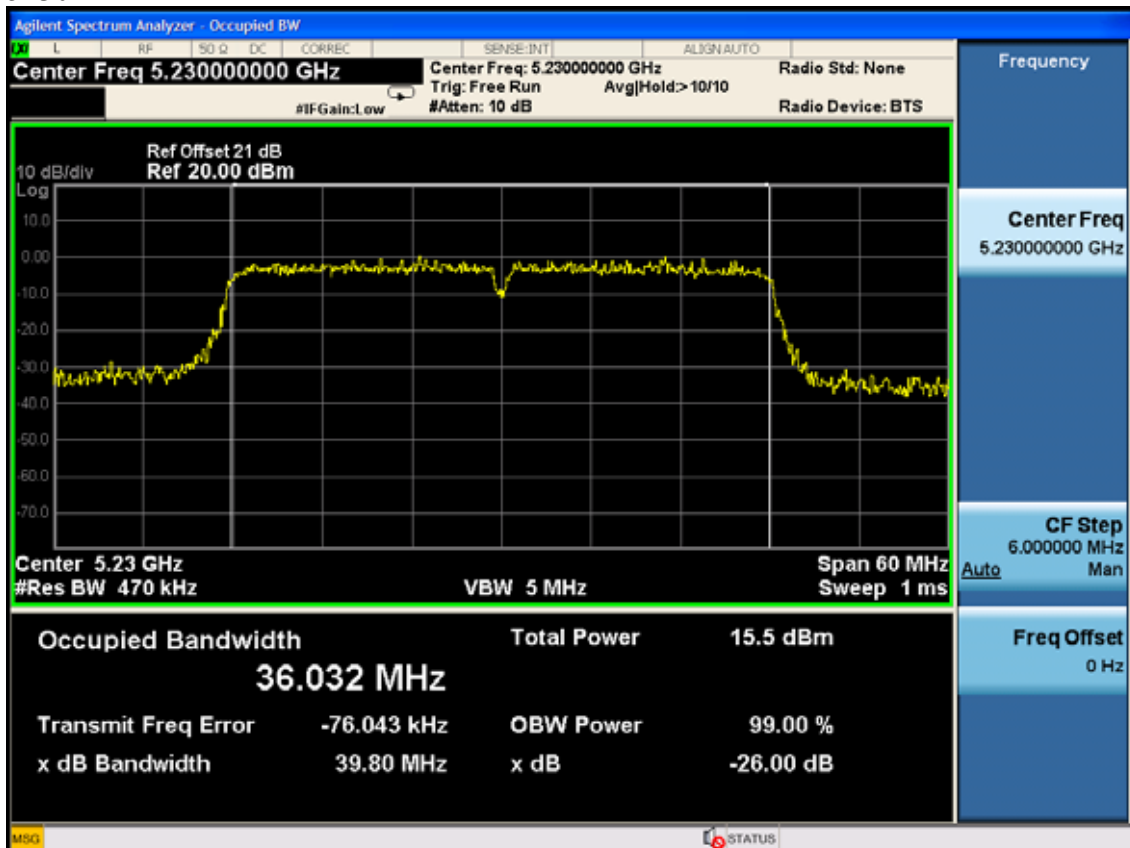


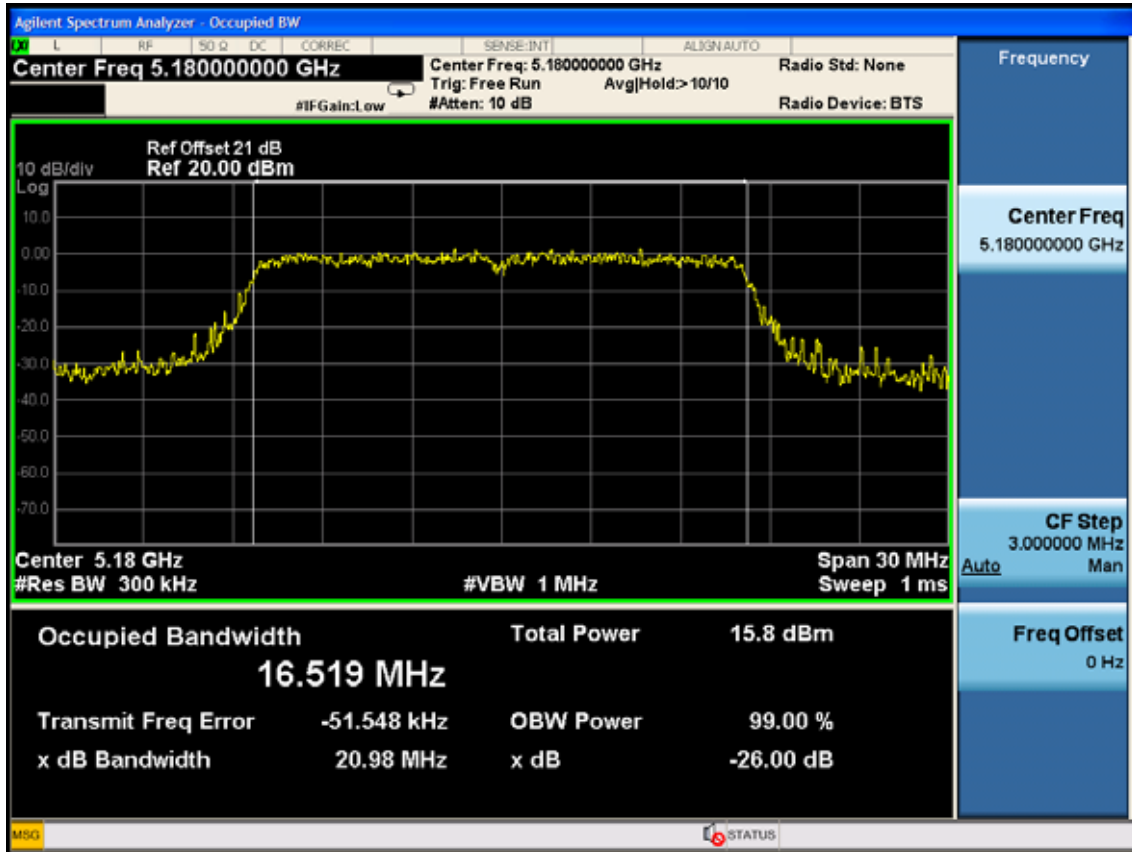
11n HT40  
5190MHz



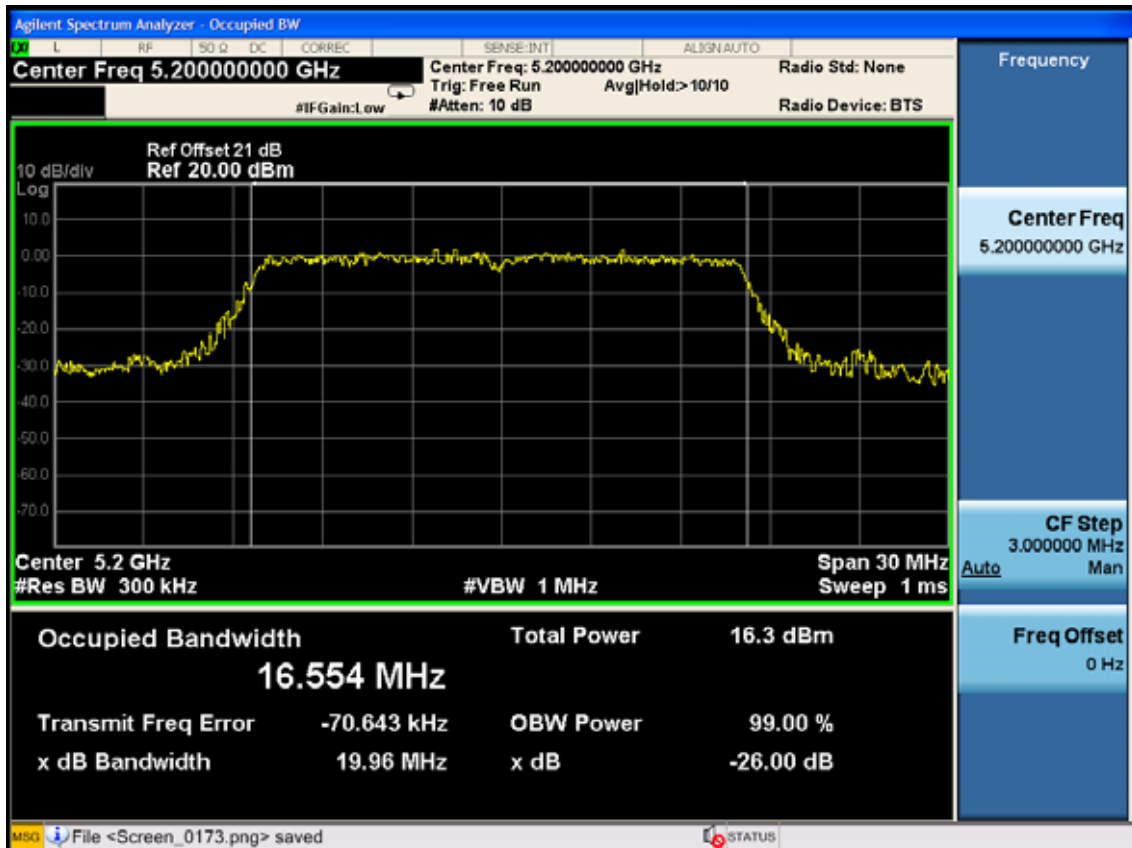
5230MHz



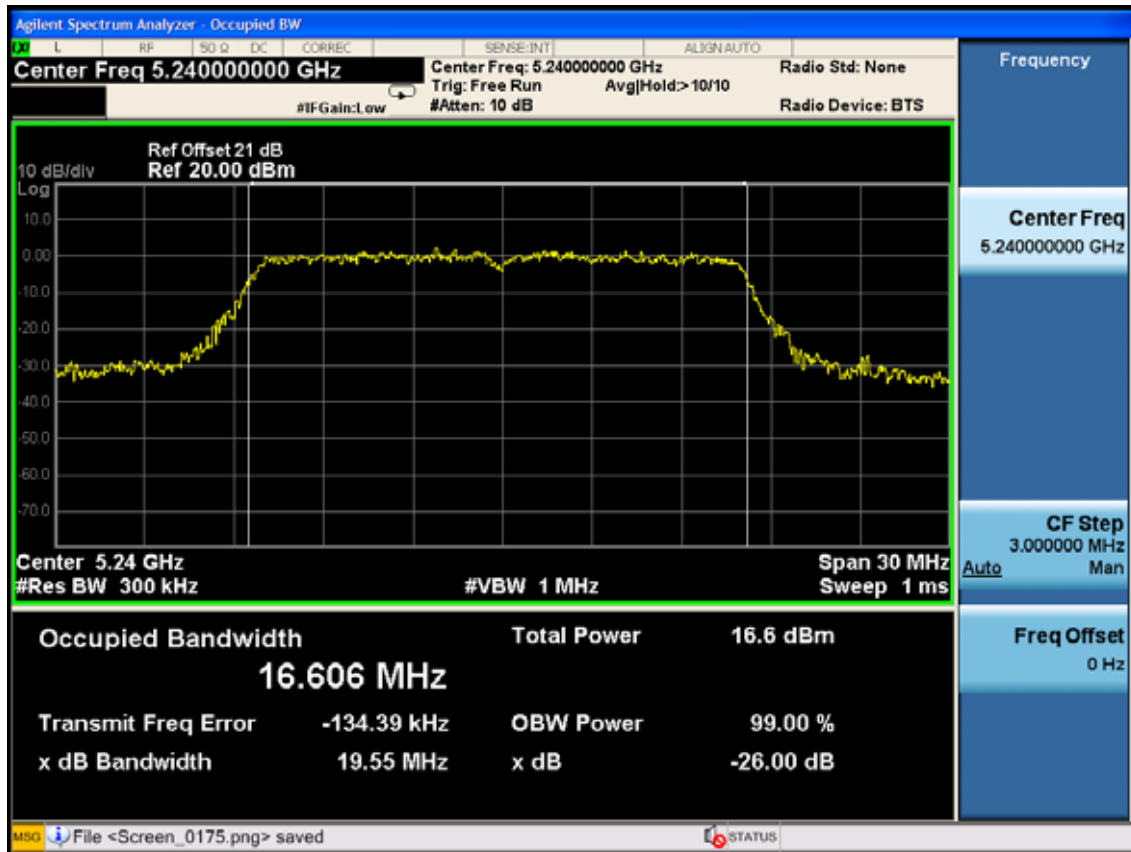
ANT 1  
11a  
5180MHz



5200MHz

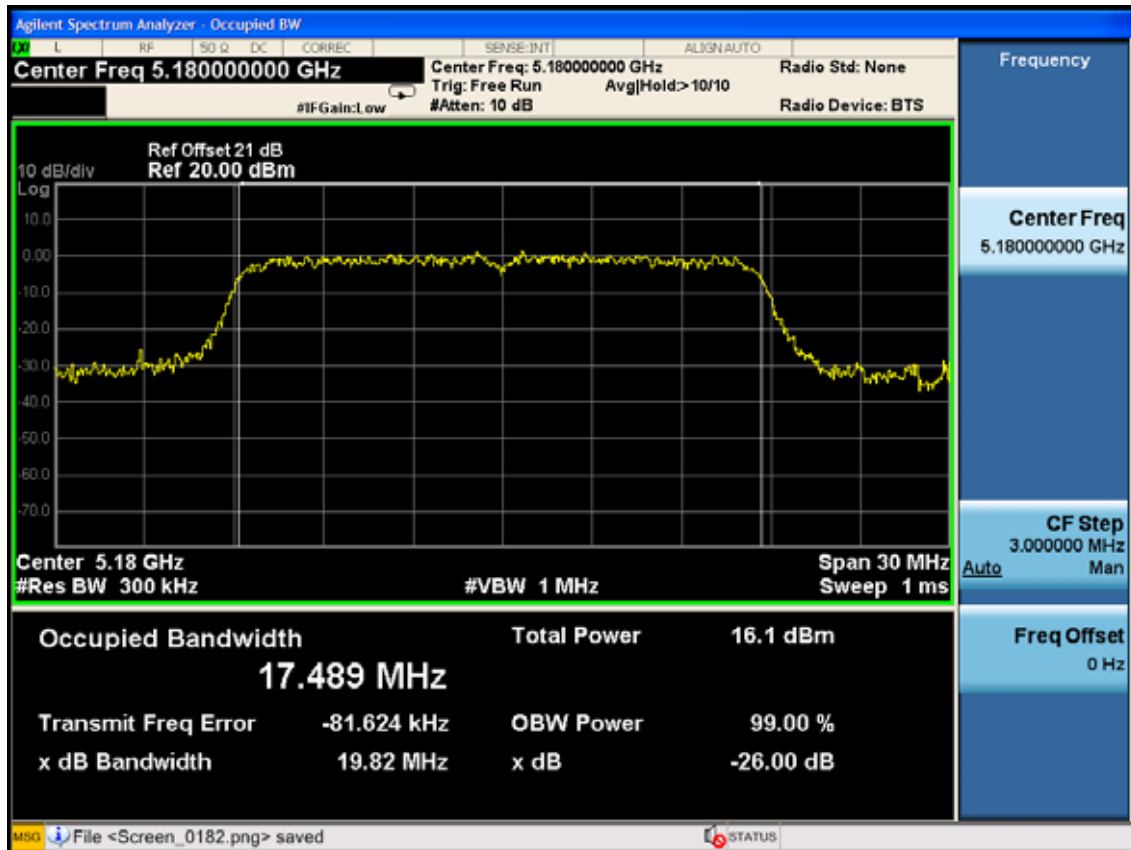


5240MHz

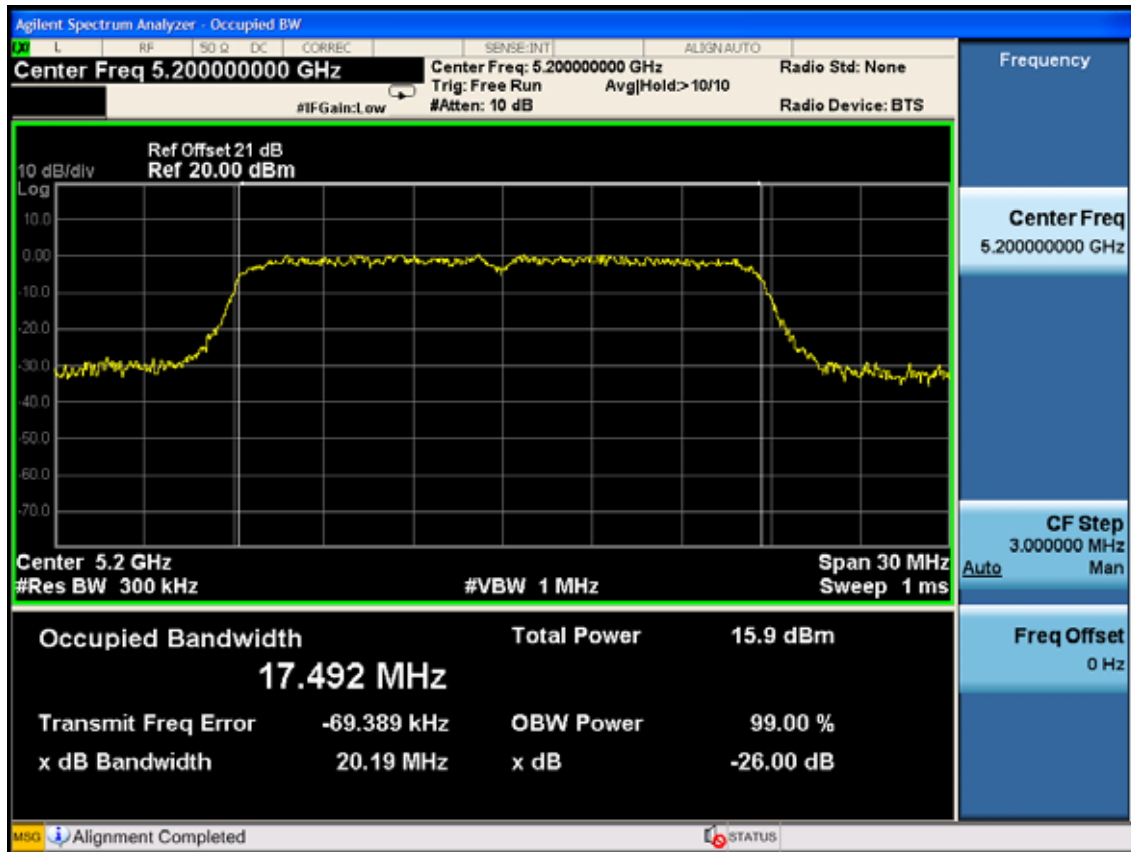


11n HT20

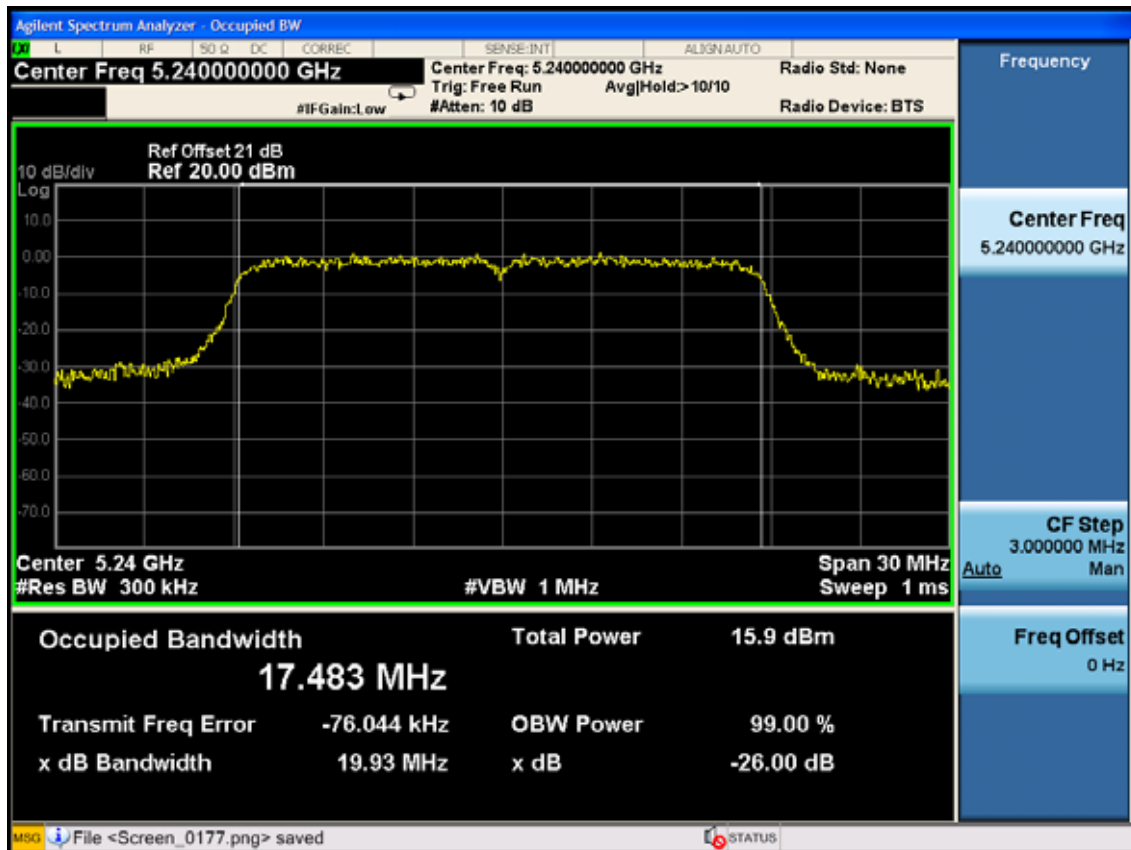
5180MHz



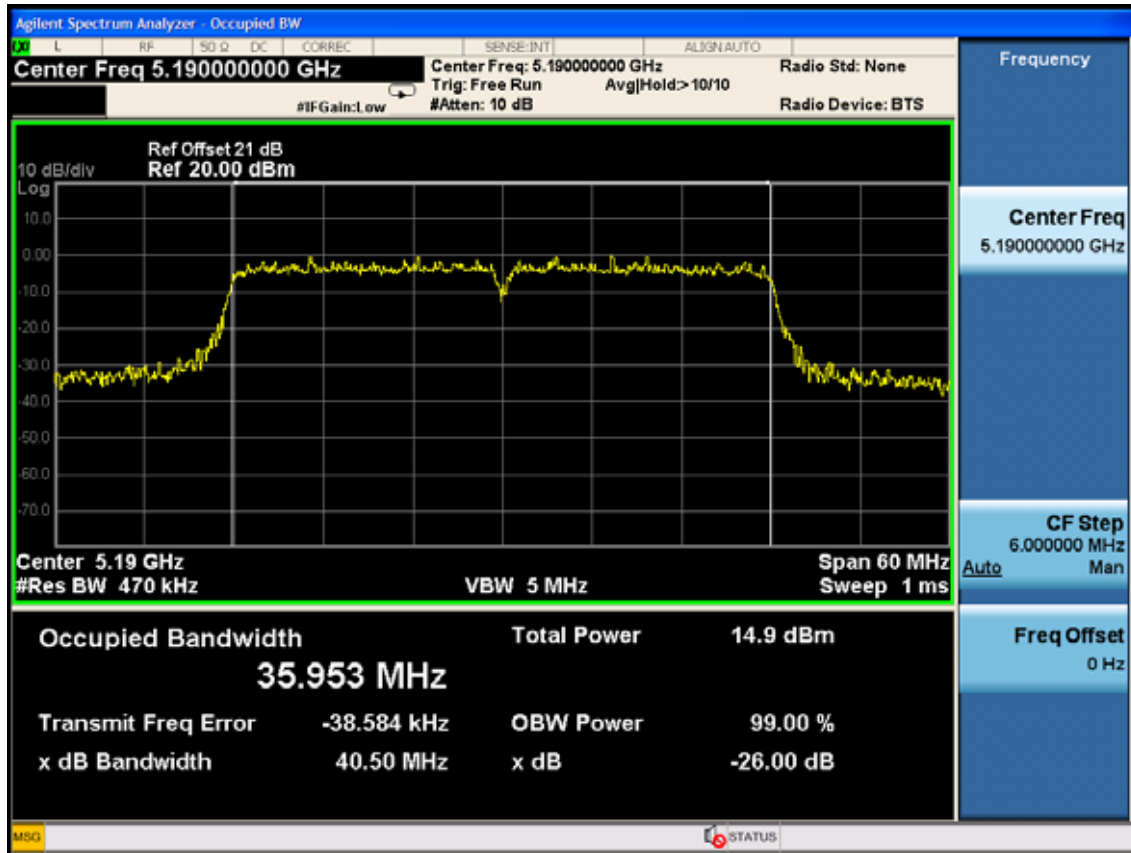
5200MHz



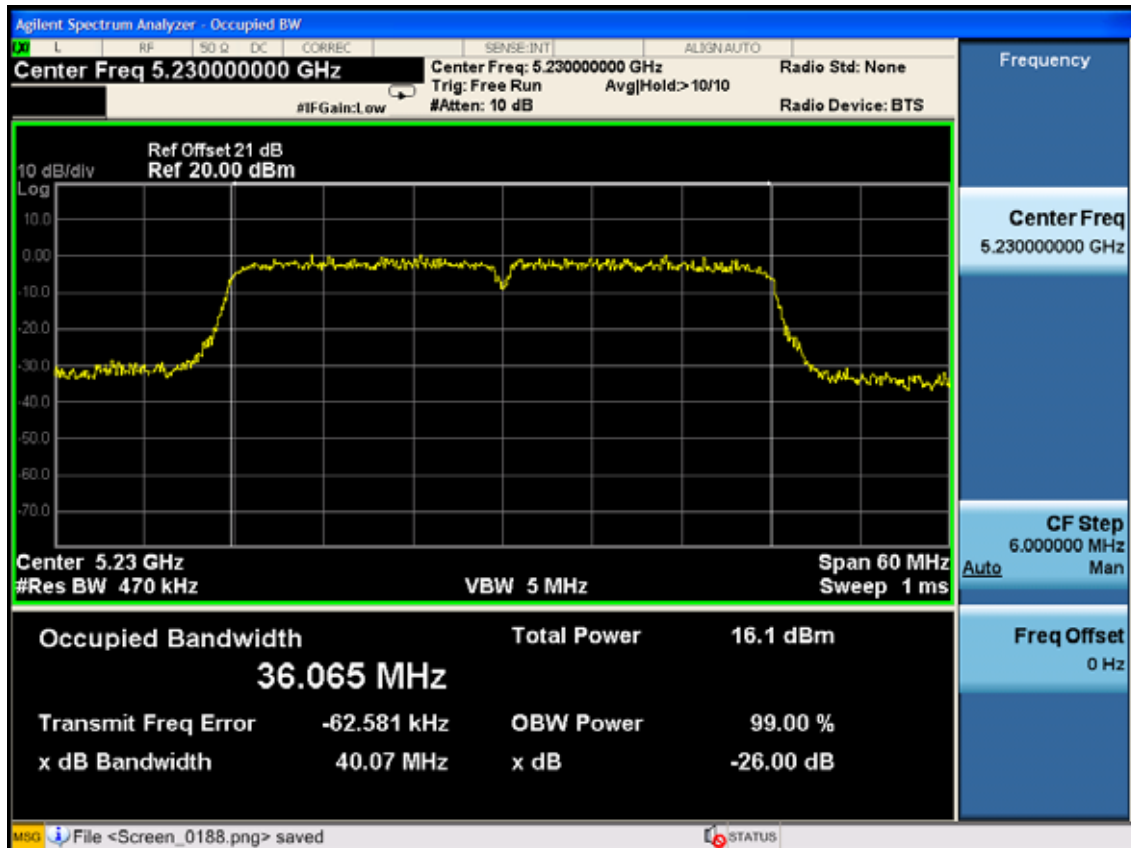
5240MHz



11n HT40  
5190MHz



5230MHz



(5250-5350MHz) 20dB bandwidth:

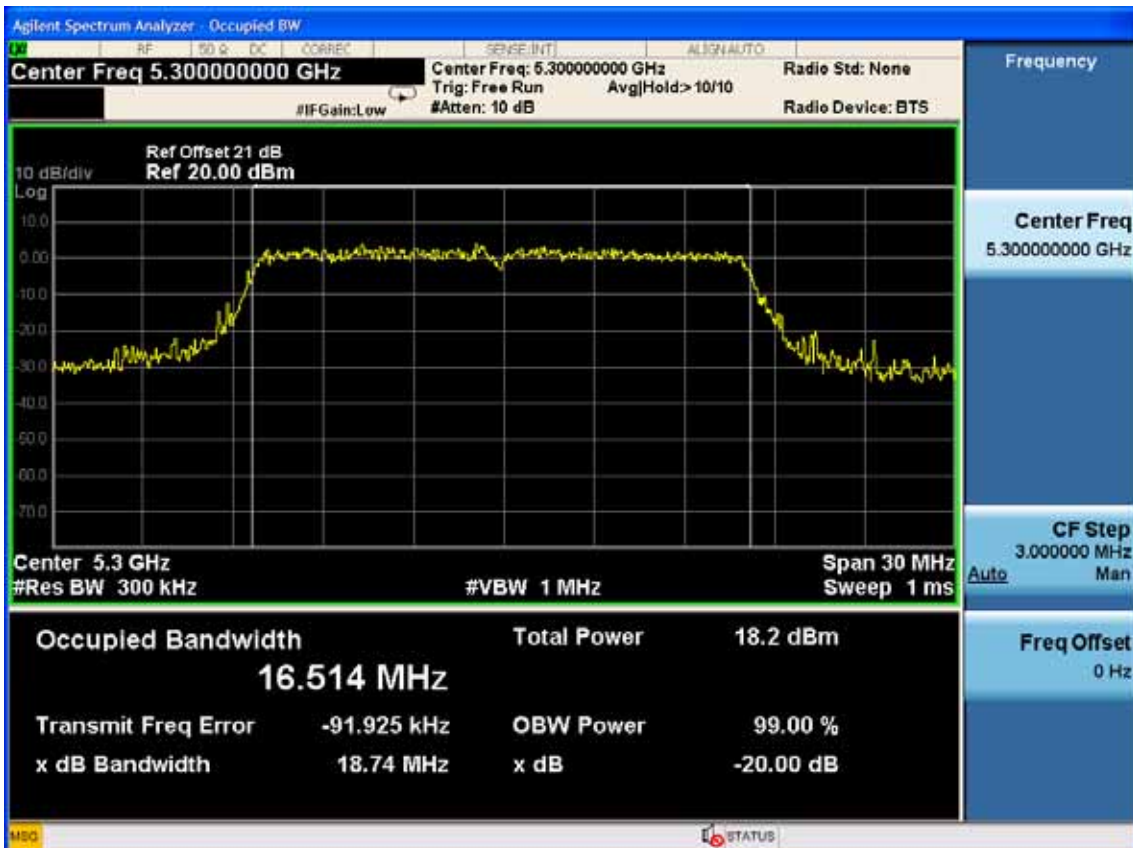
ANT 0

11a

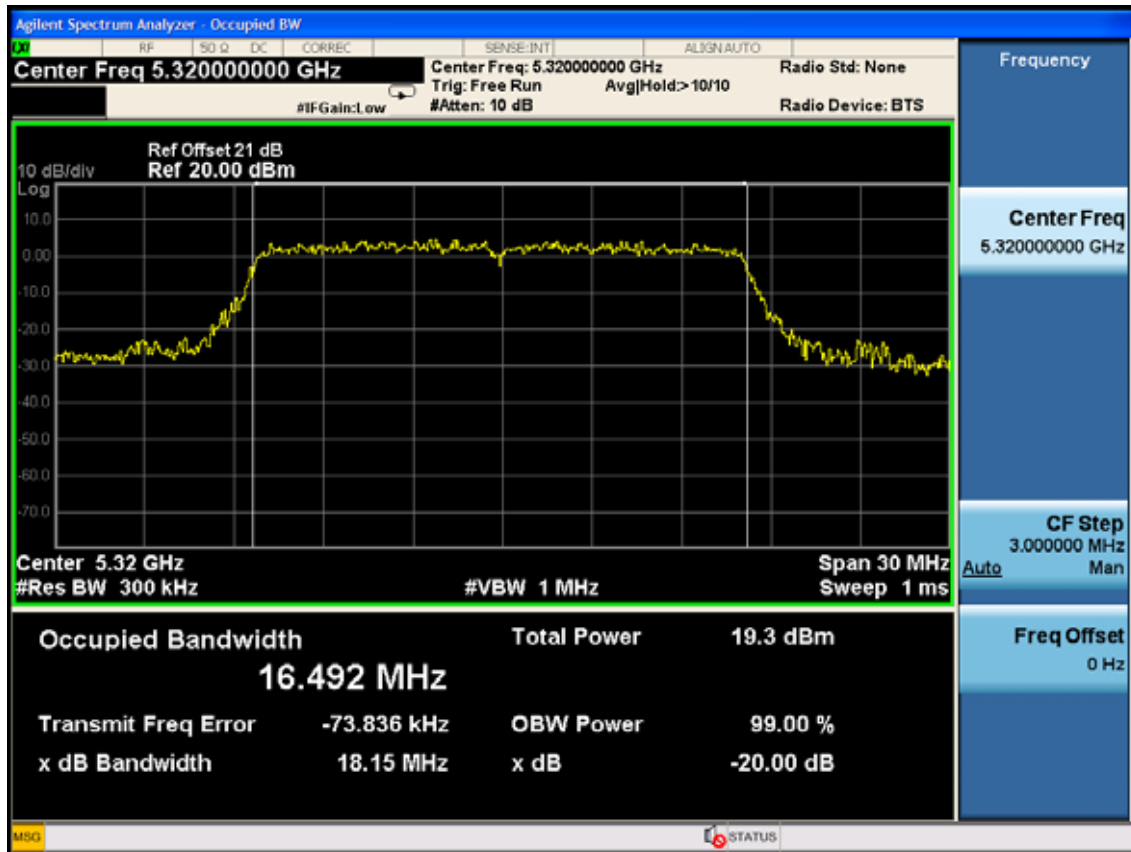
5260MHz



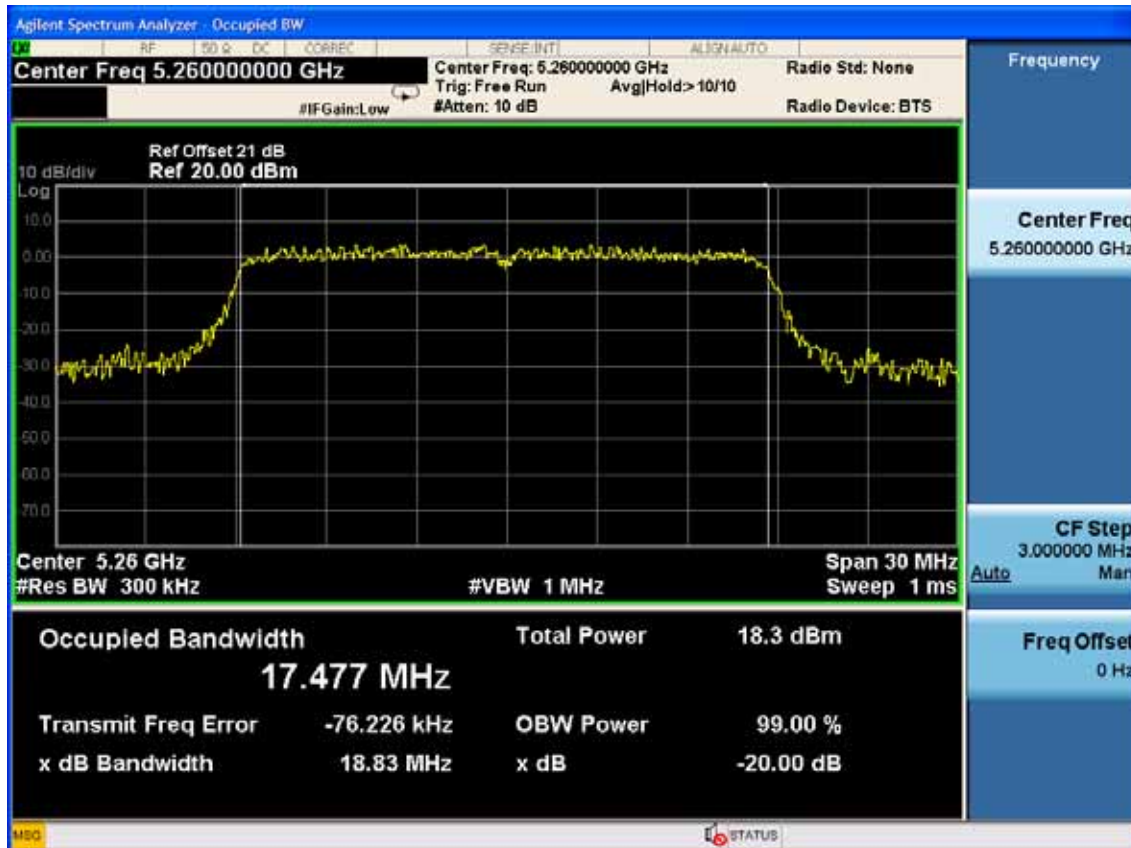
5300MHz



5320MHz



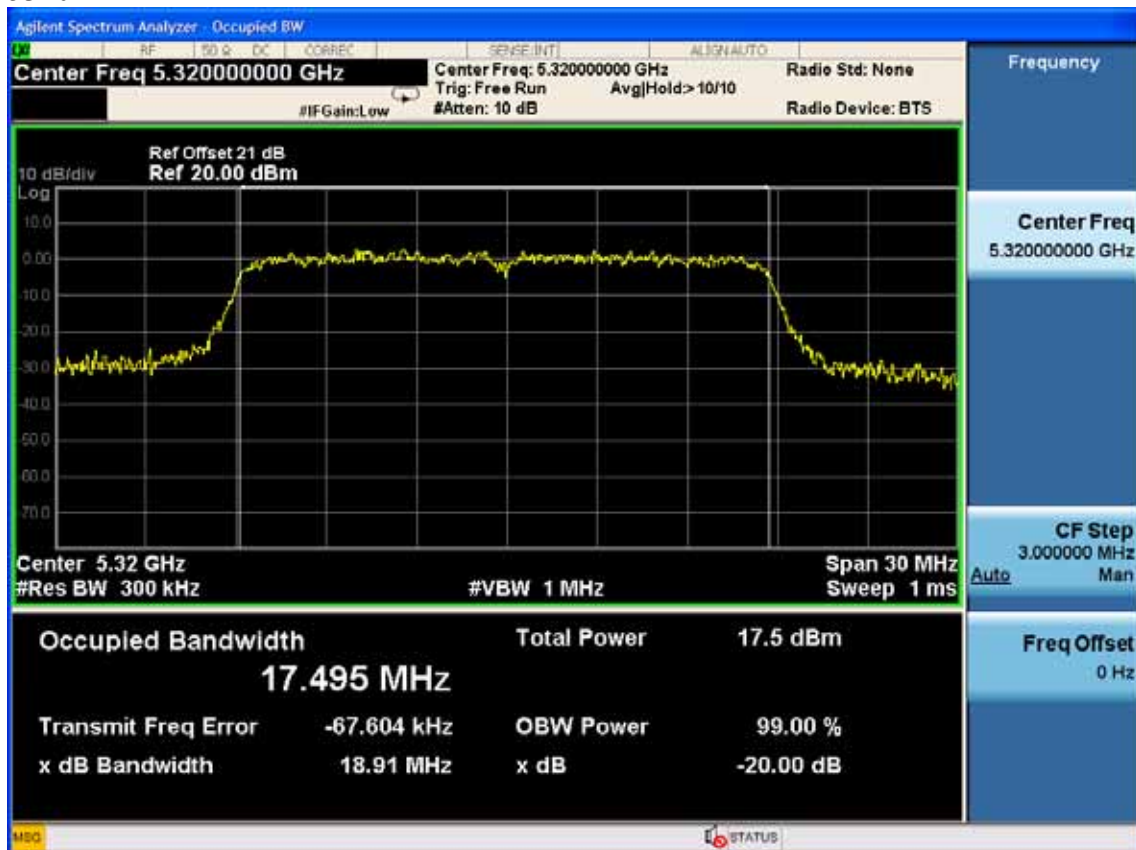
11n HT20  
5260MHz



5300MHz



5320MHz

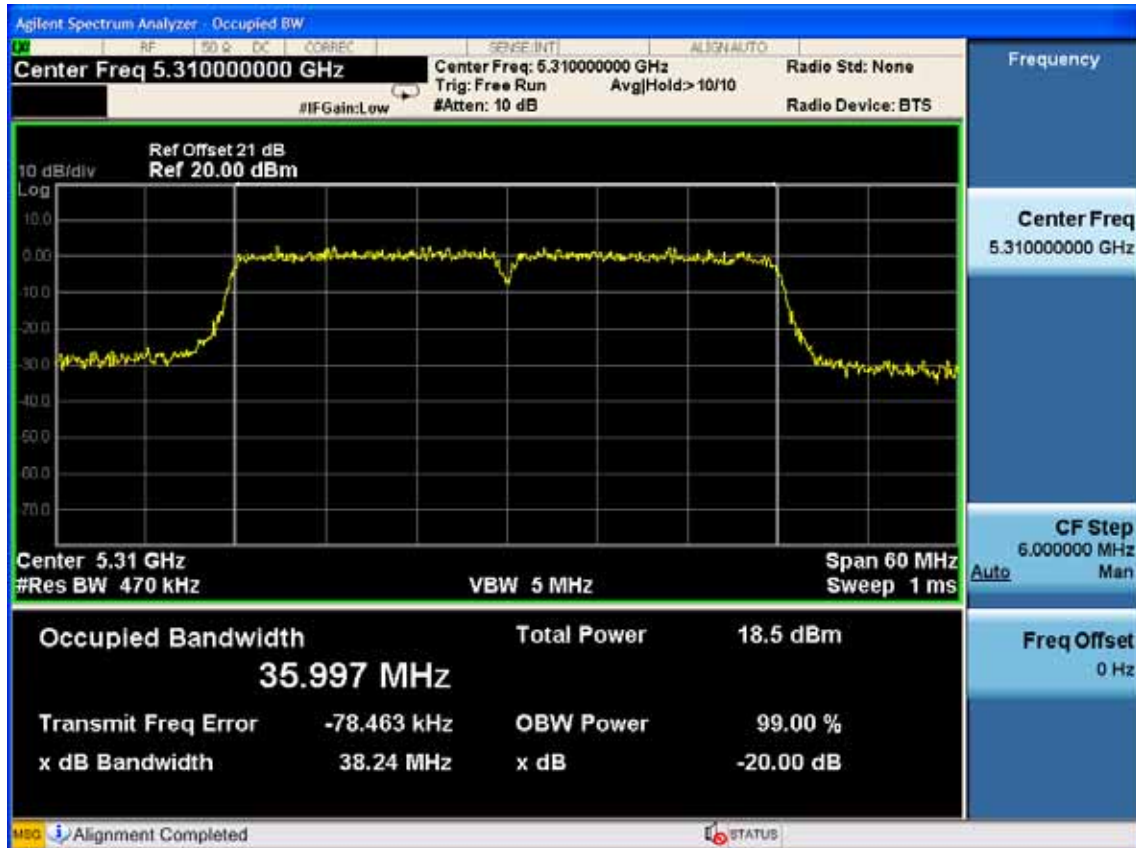




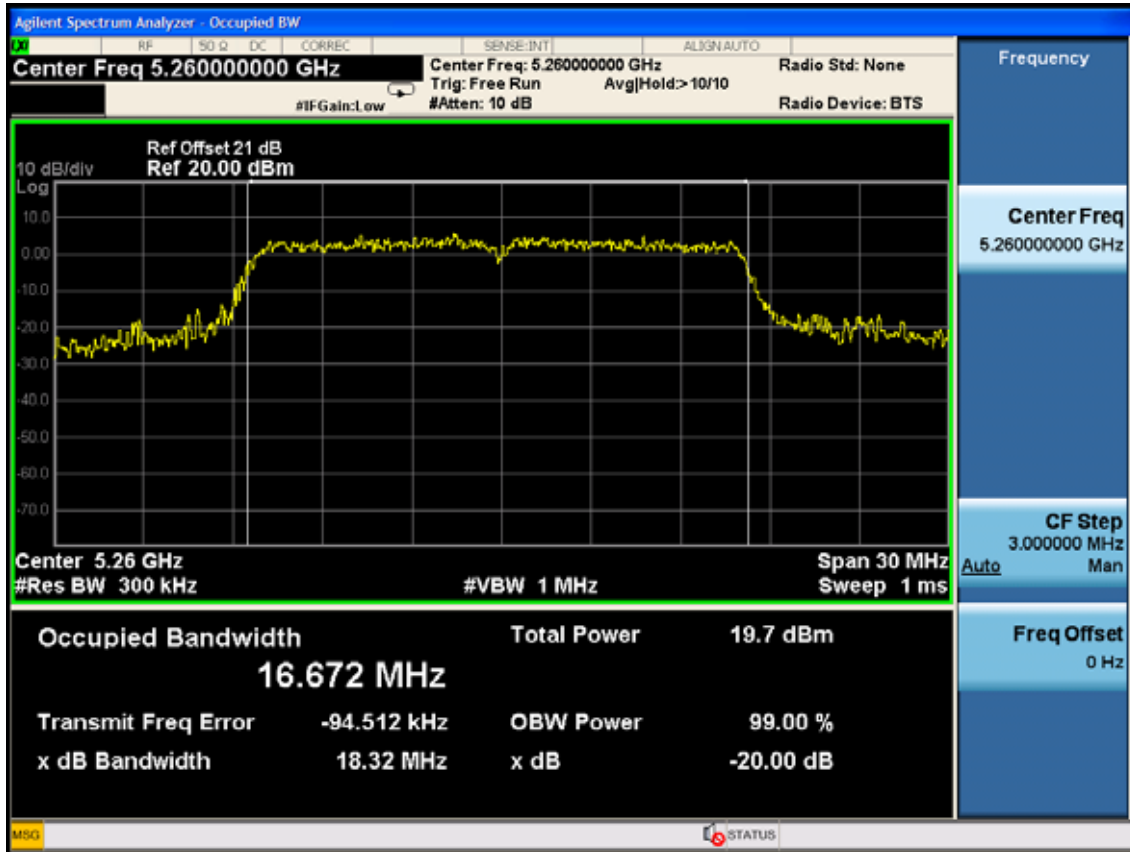
11n HT40  
5270MHz



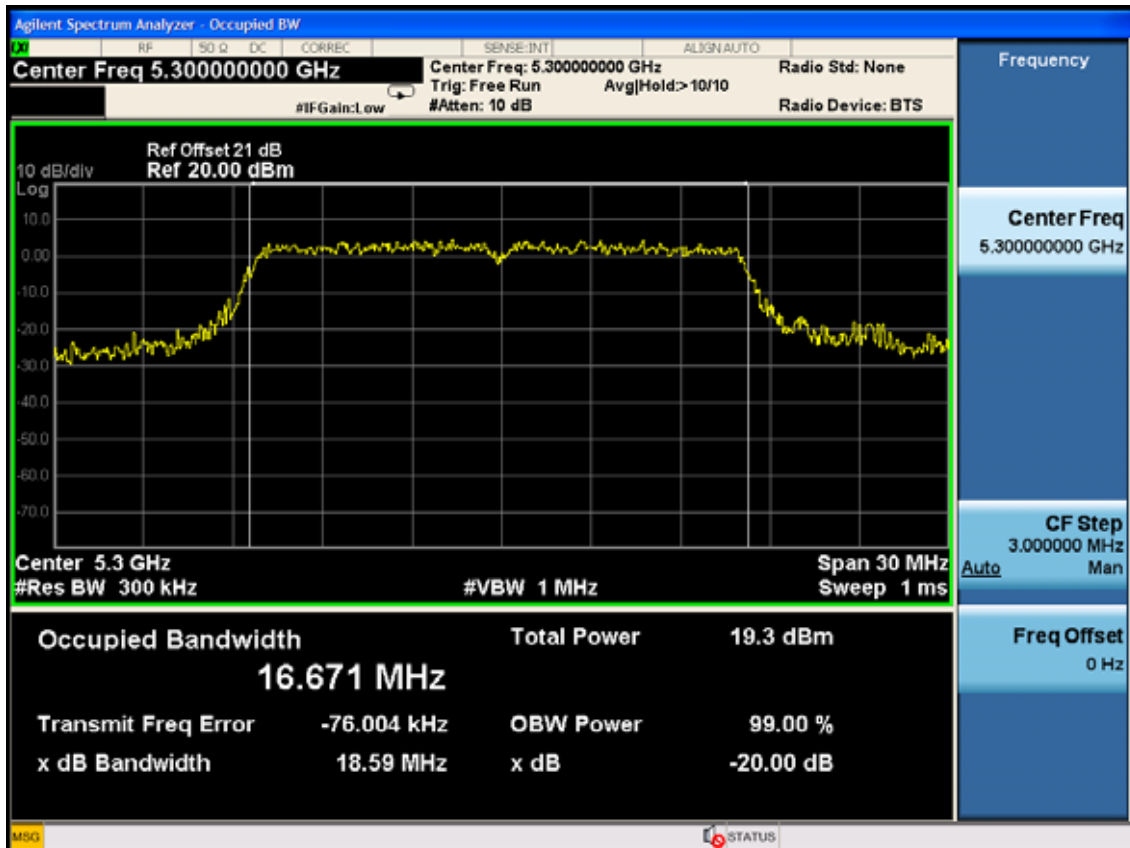
5310MHz



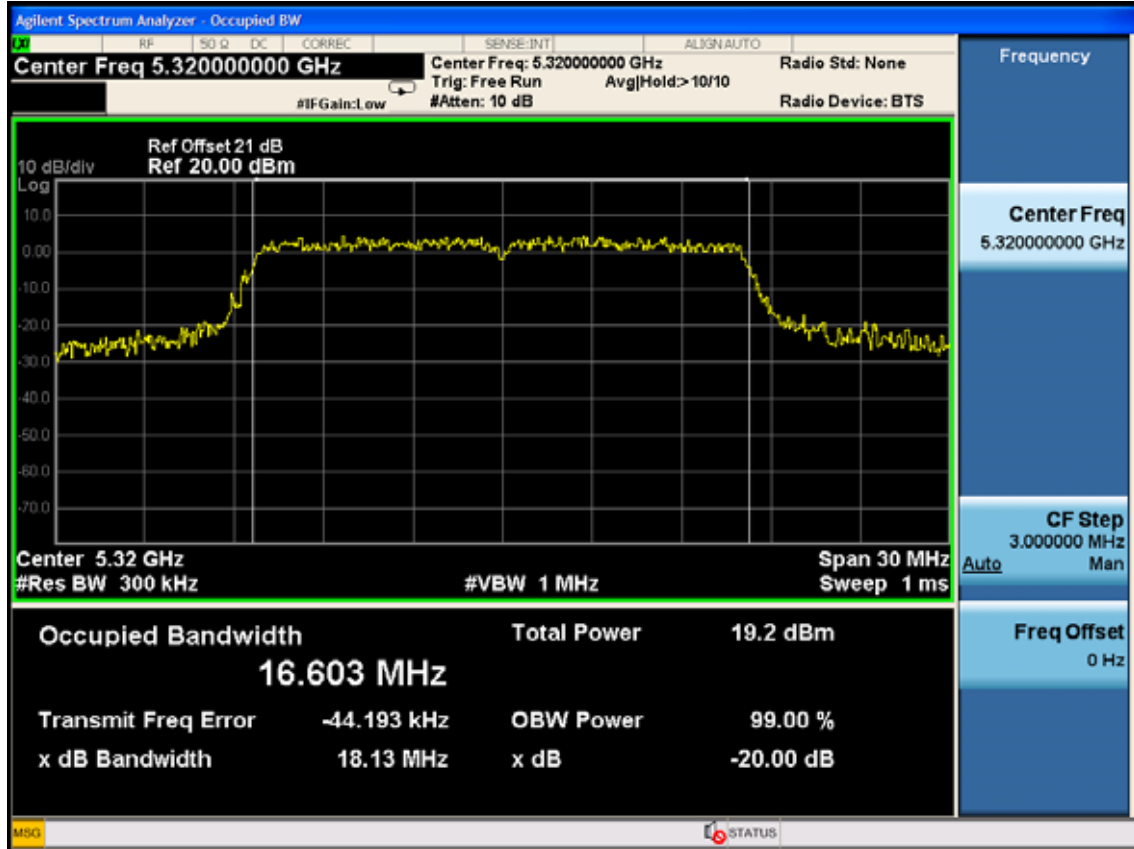
ANT 1  
11a  
5260MHz



5300MHz

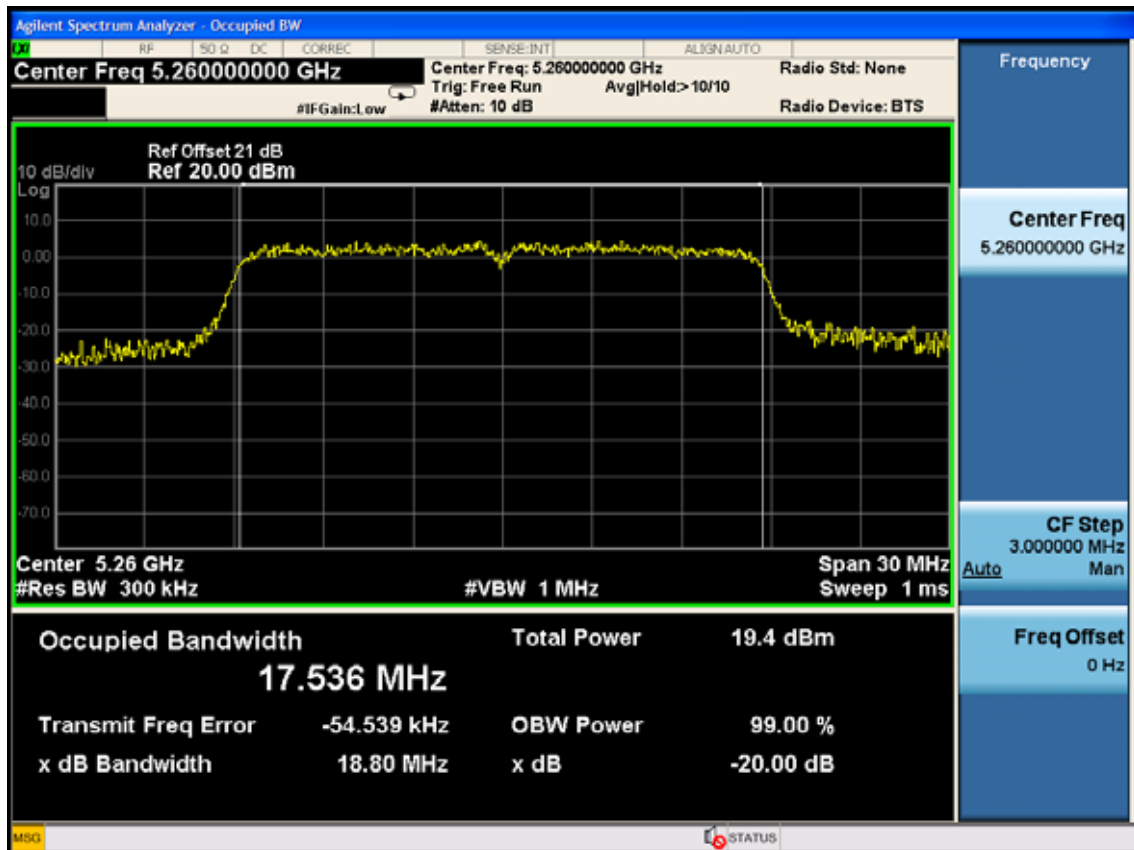


5320MHz

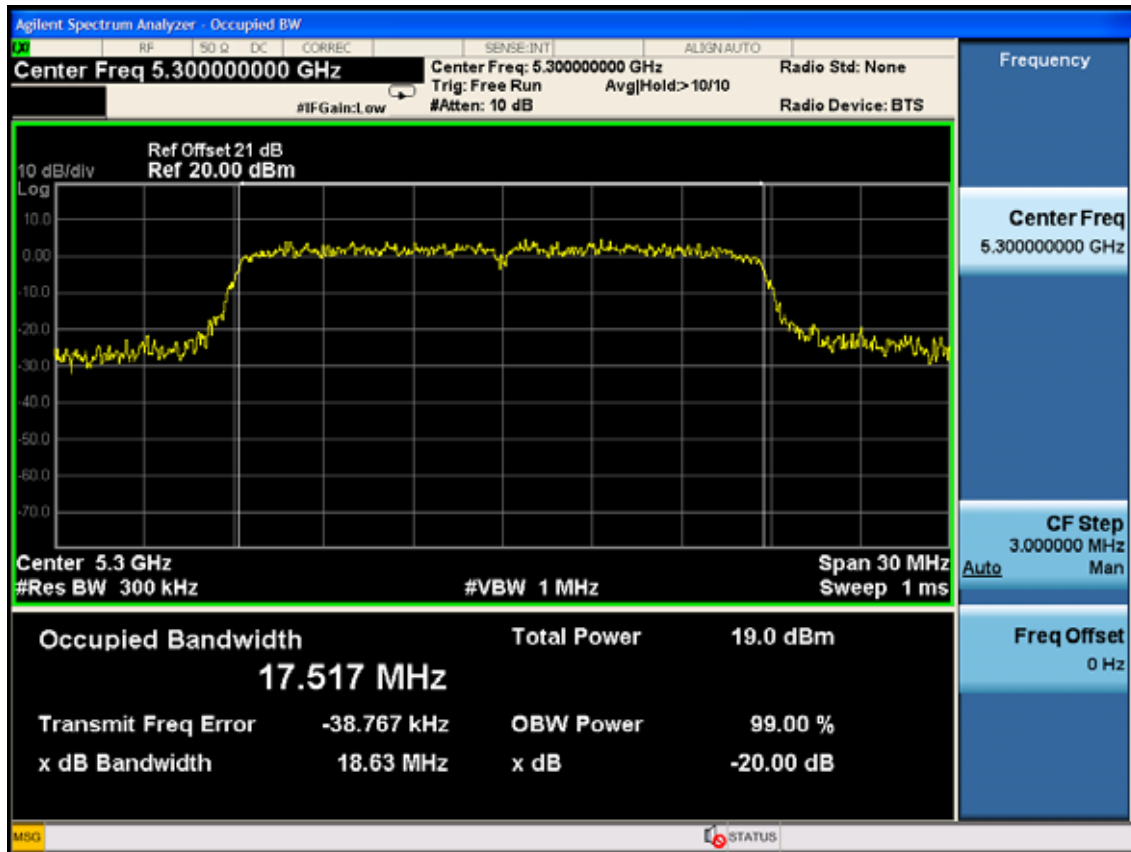


11n HT20

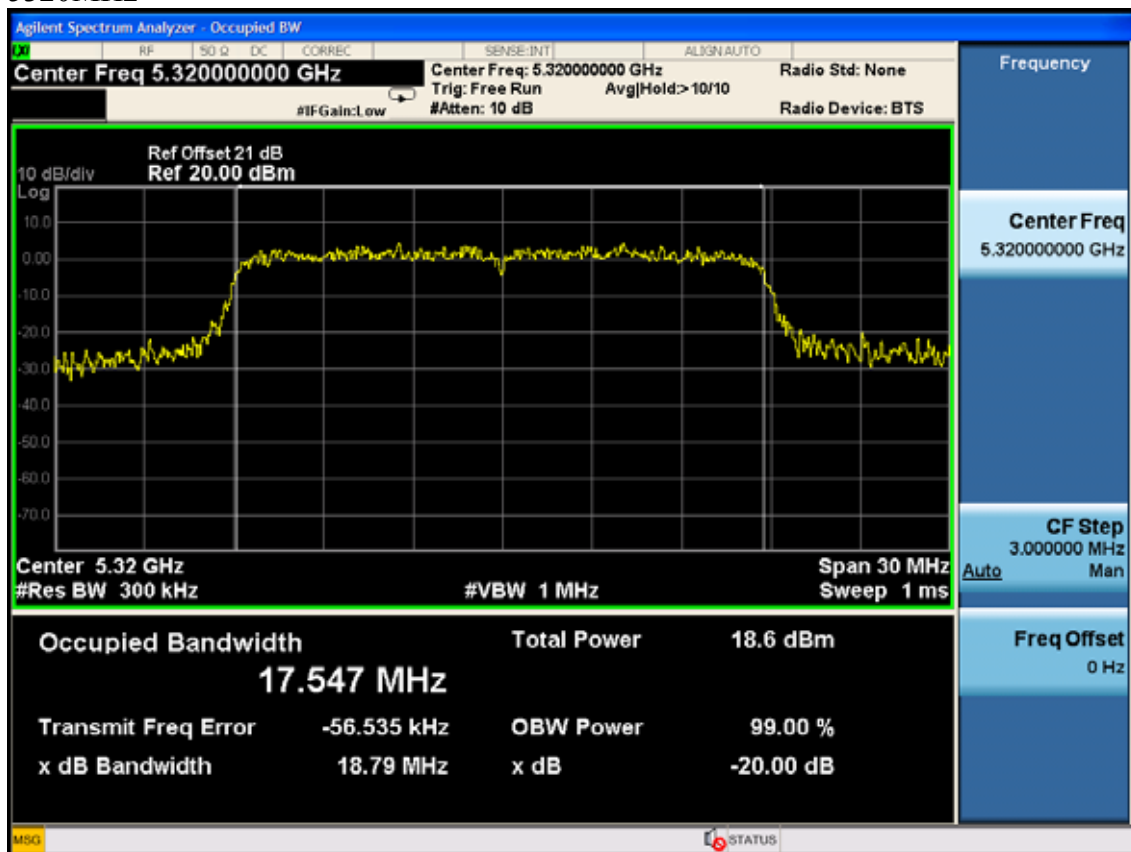
5260MHz



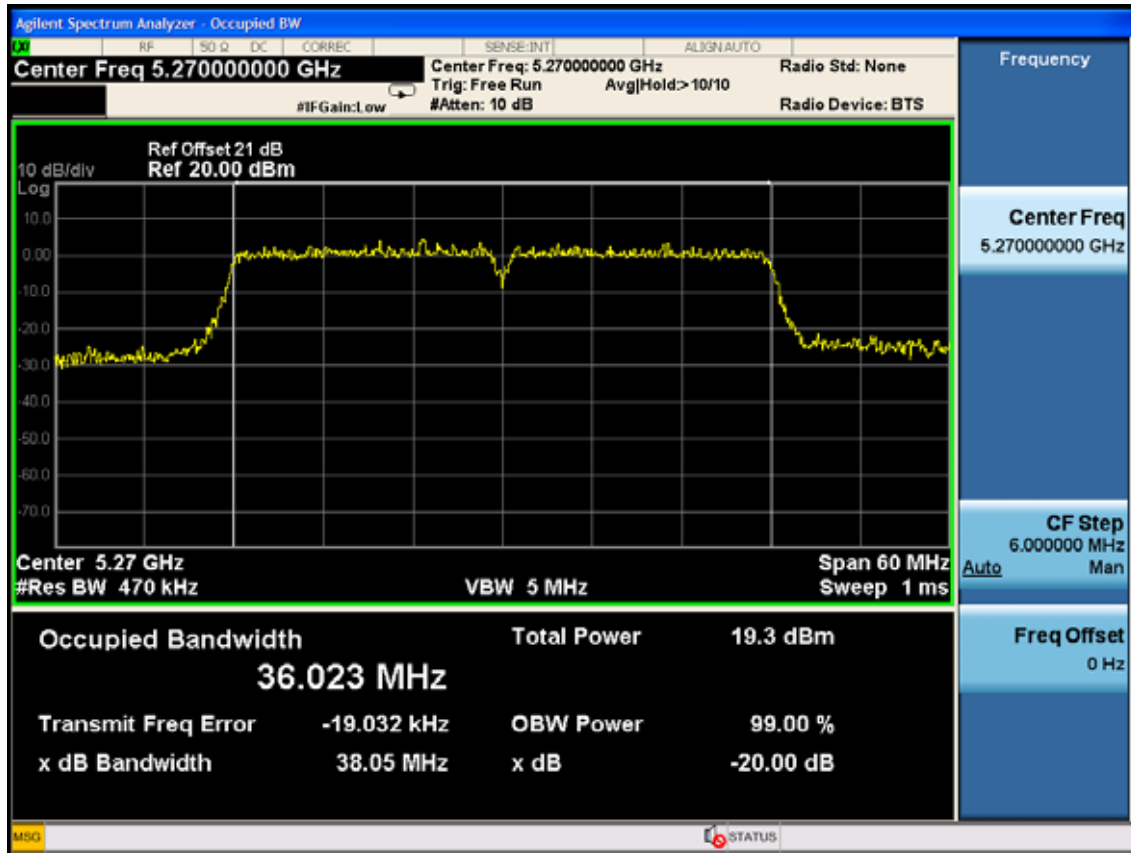
5300MHz



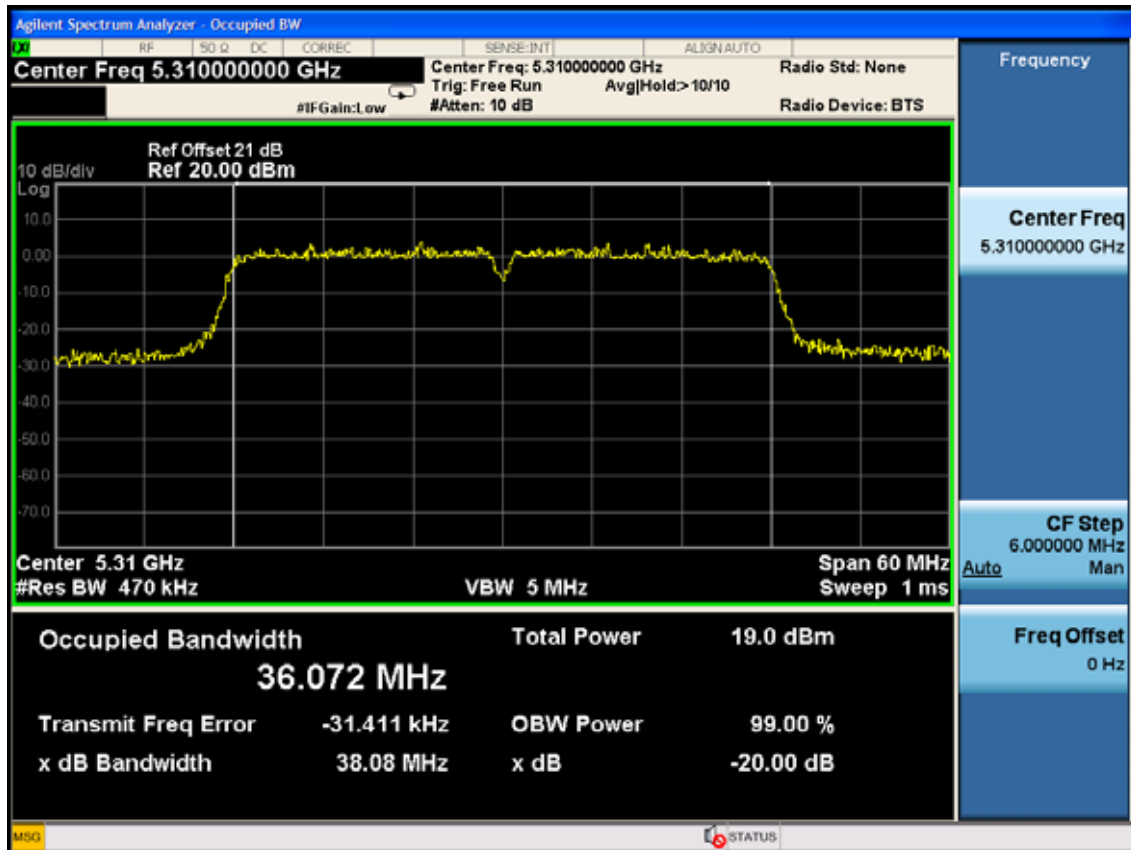
5320MHz



11n HT40  
5270MHz



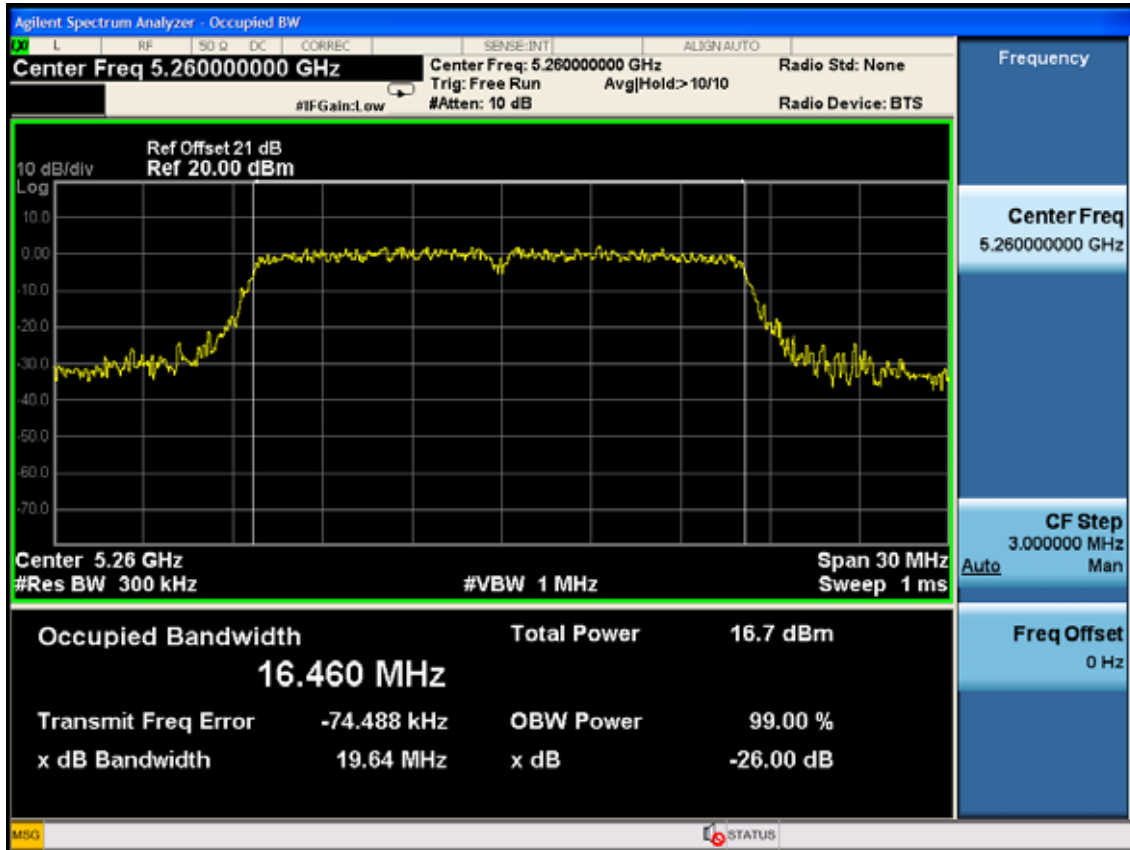
5310MHz



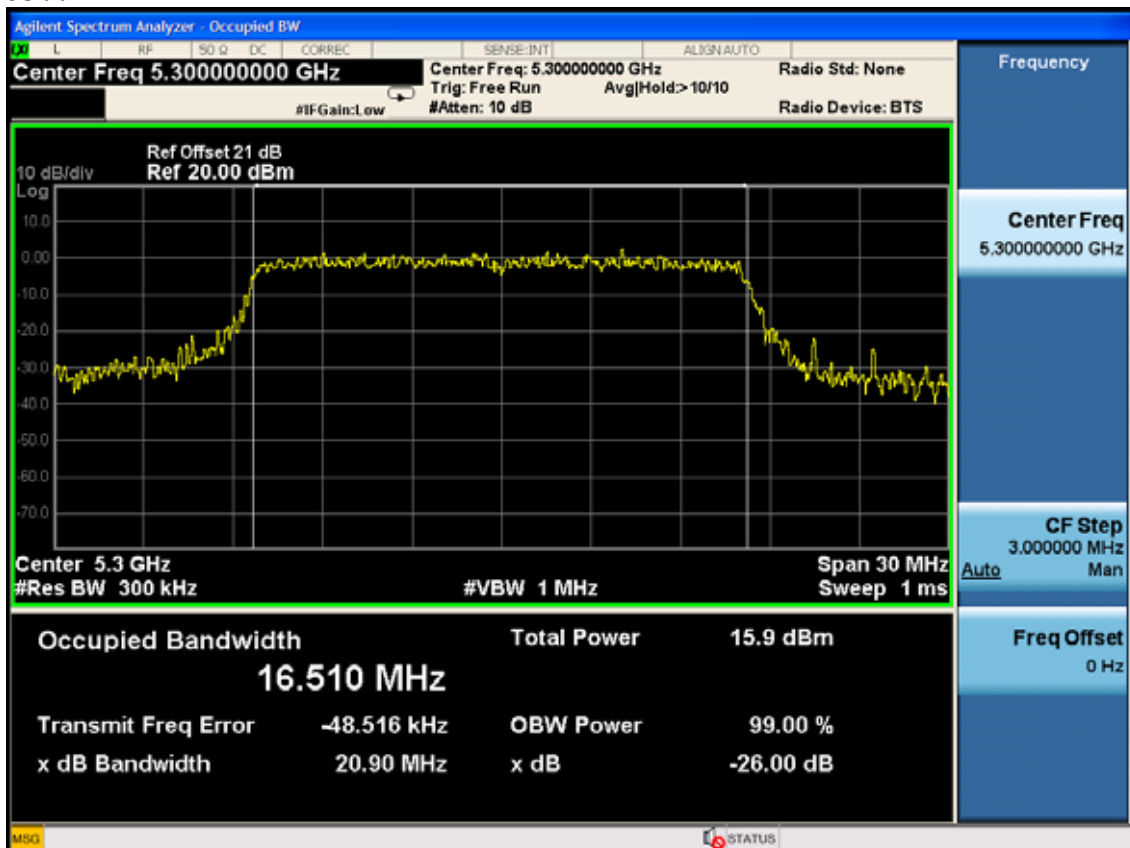
(5250-5350MHz) 26dB bandwidth:

11a

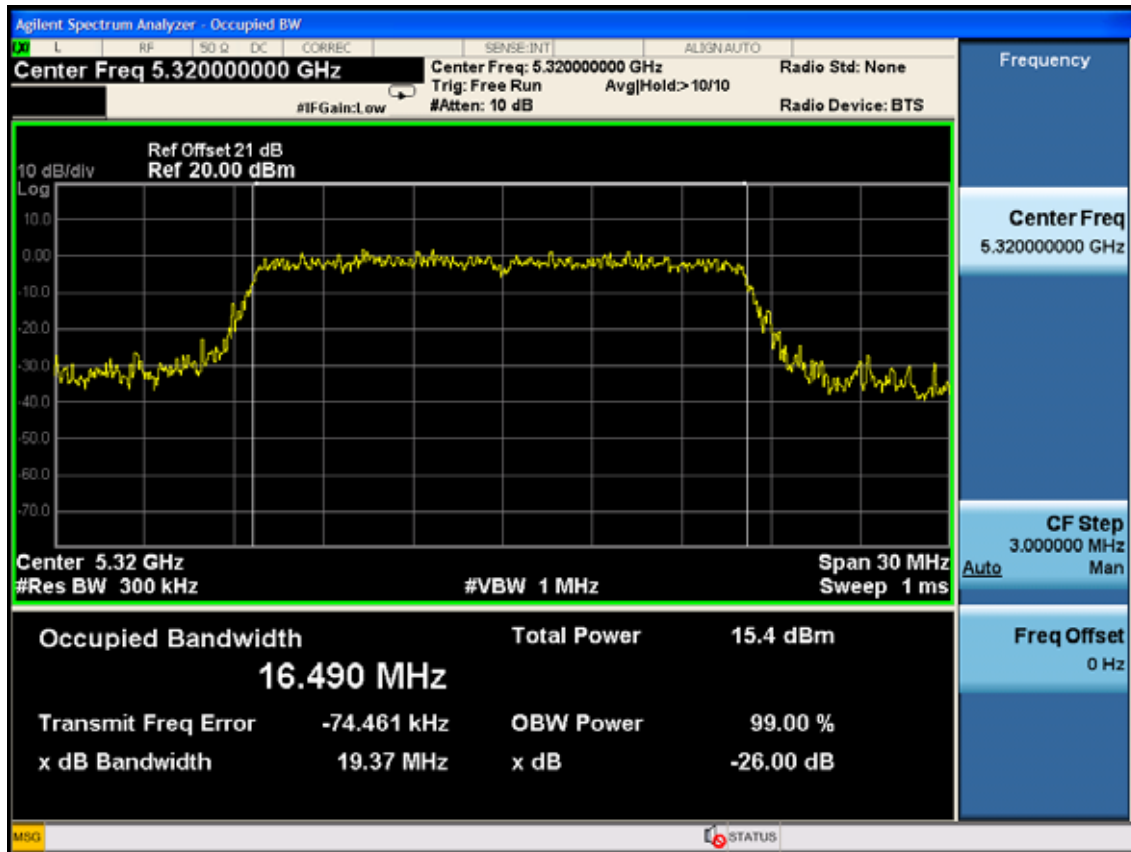
5260MHz



5300MHz

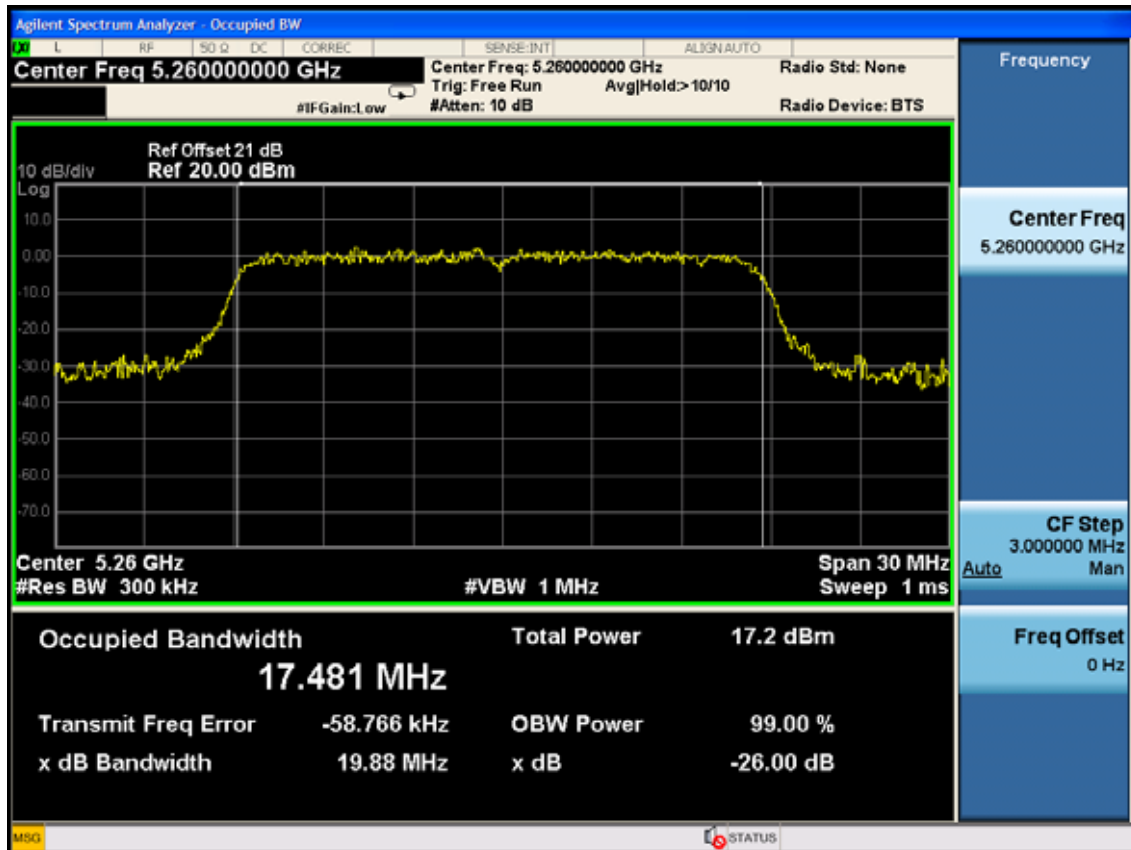


5320MHz

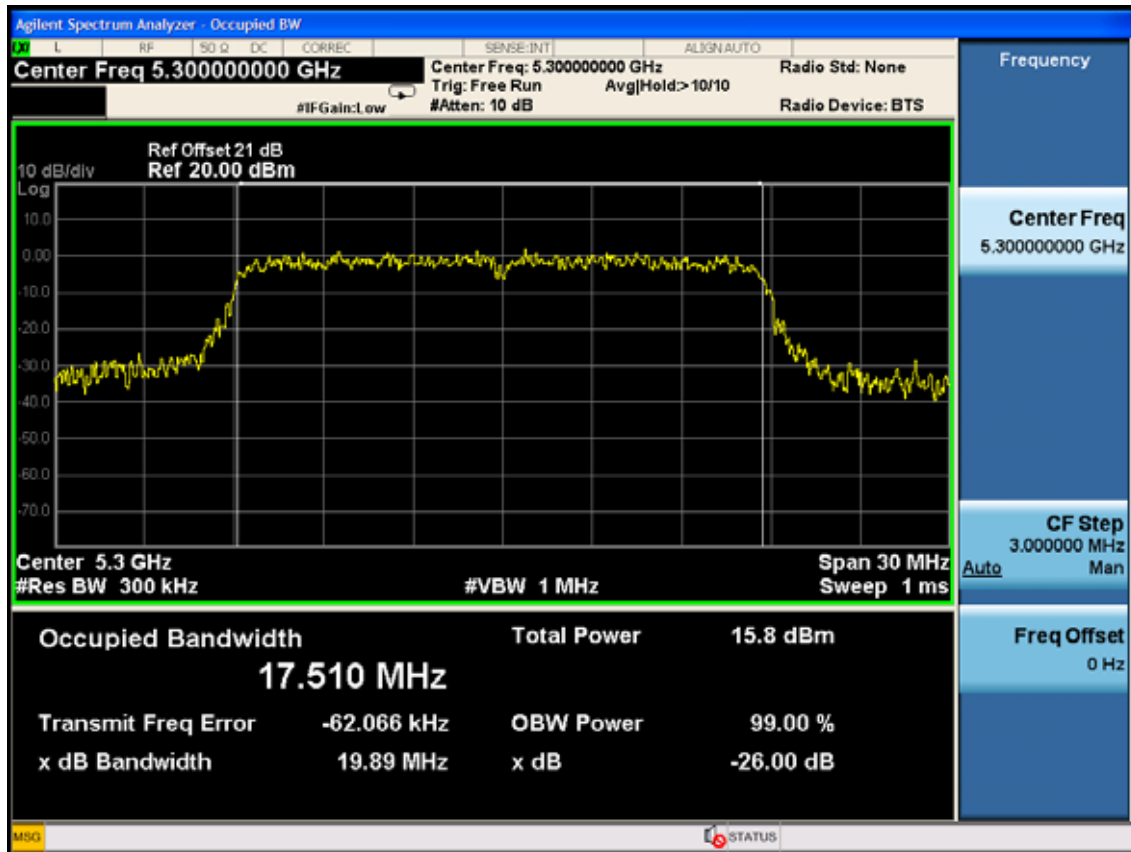


11n HT20

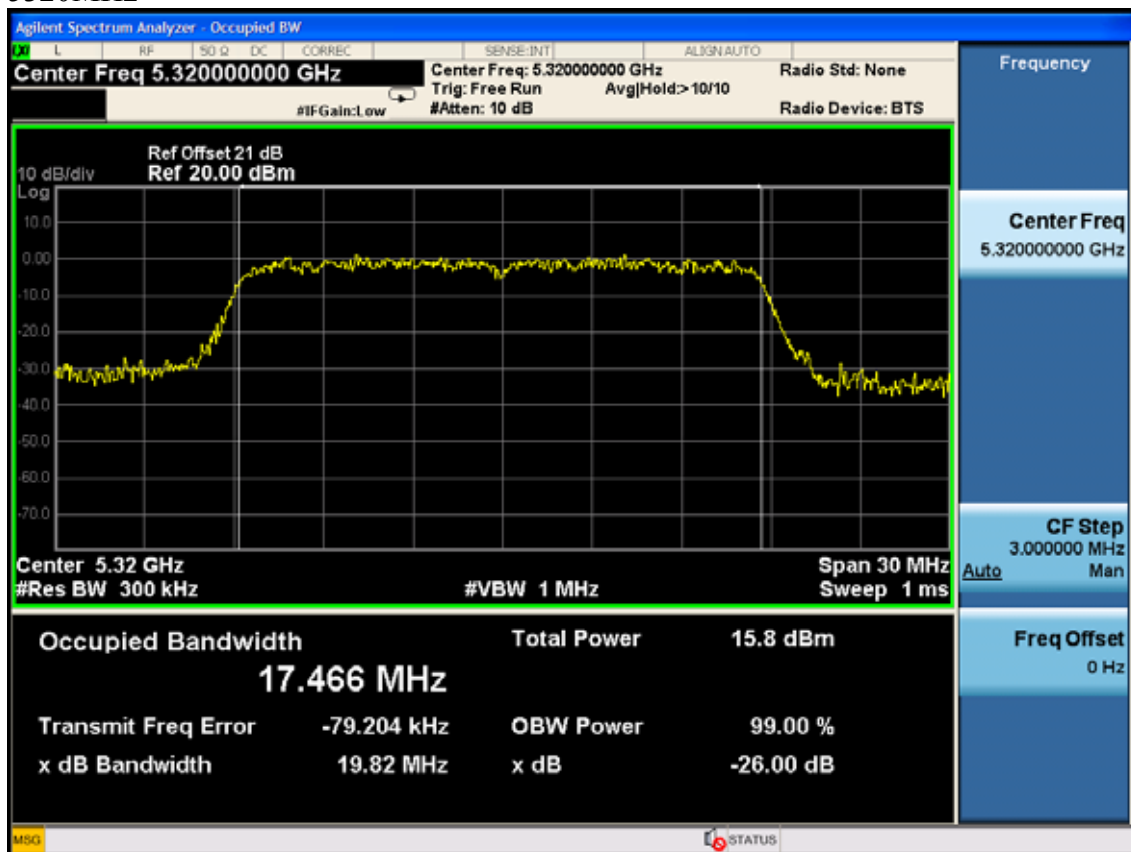
5260MHz



5300MHz

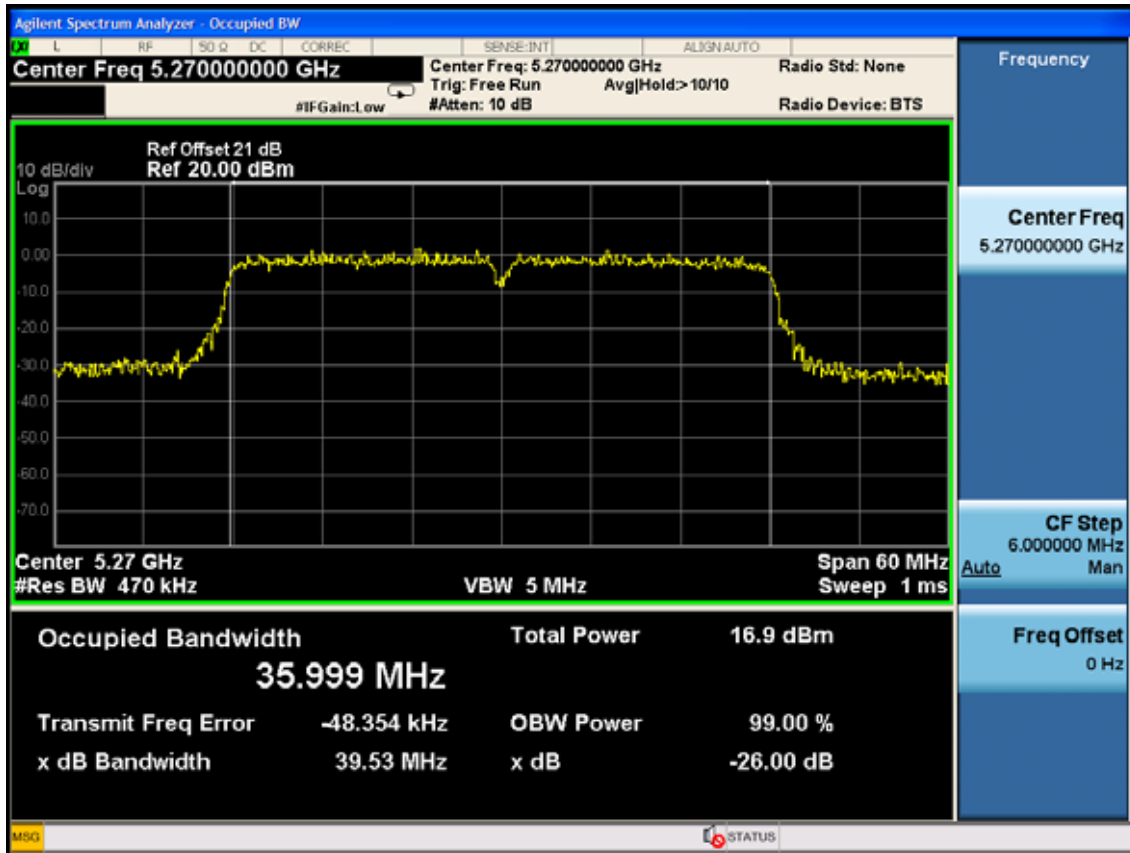


5320MHz

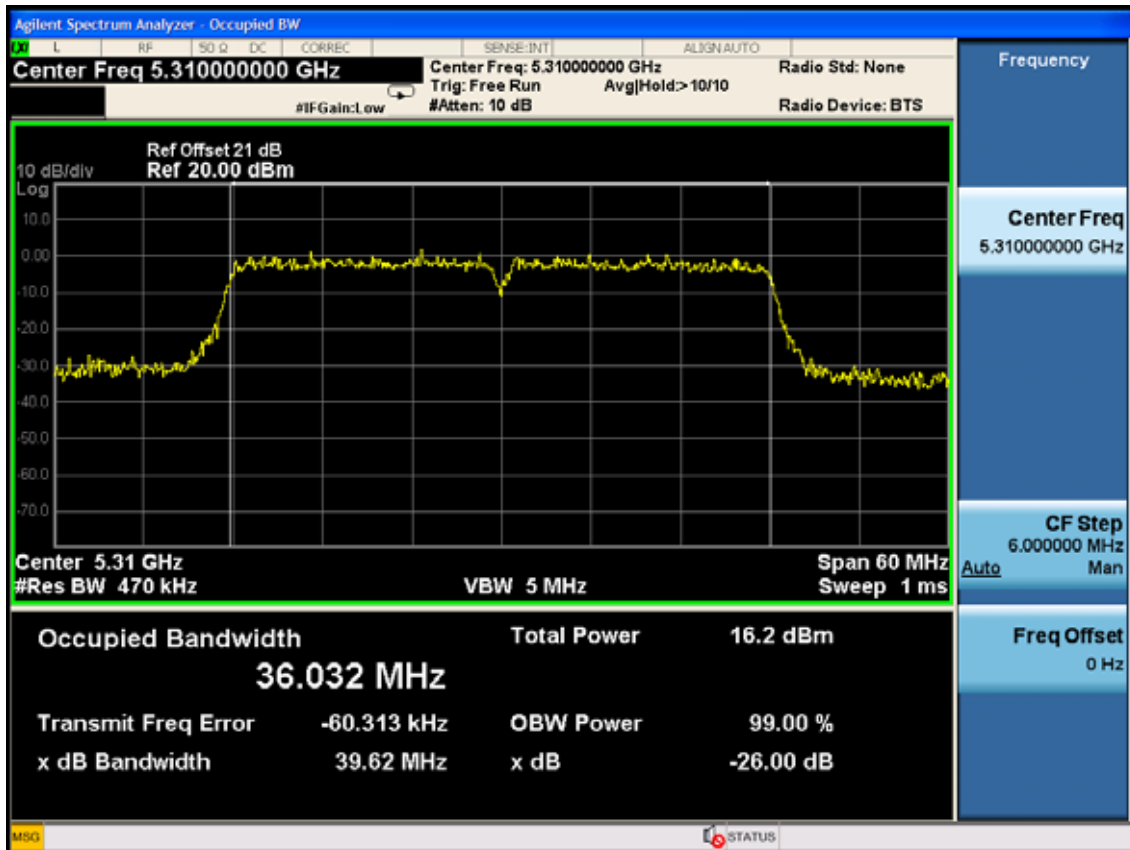




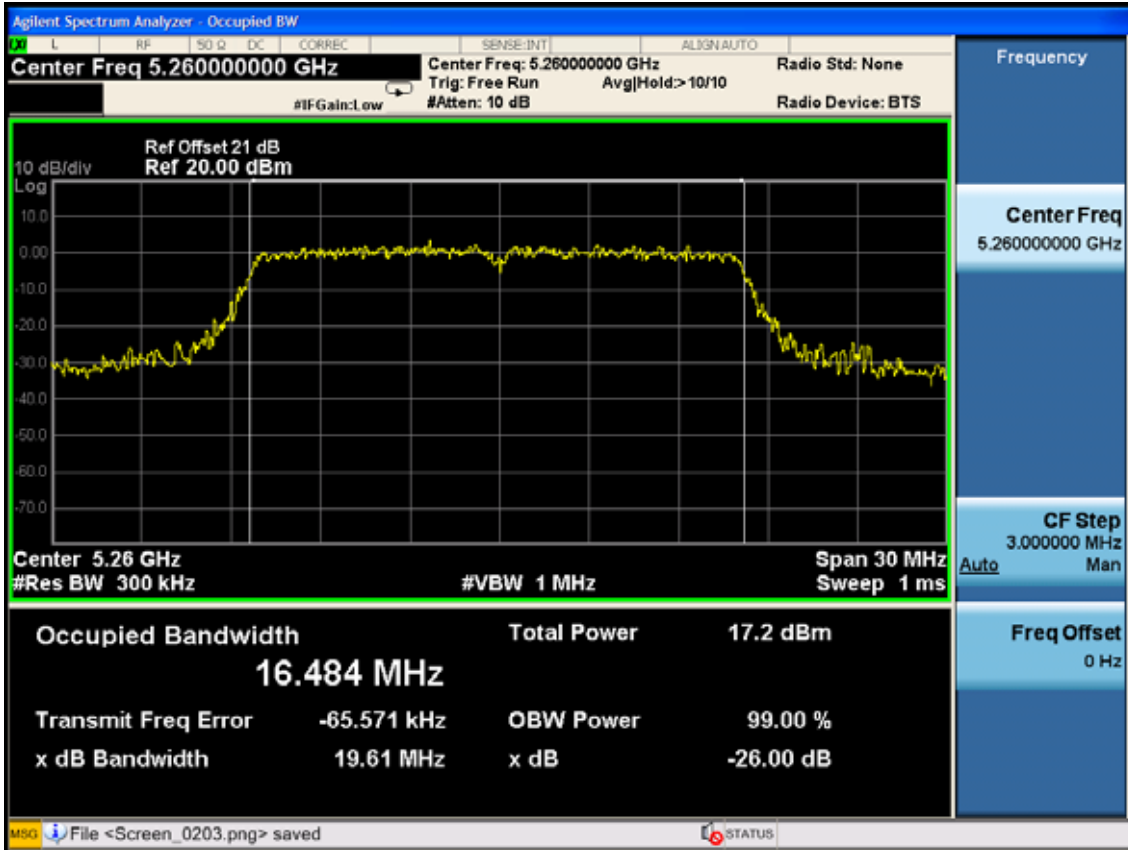
11n HT40  
5270MHz



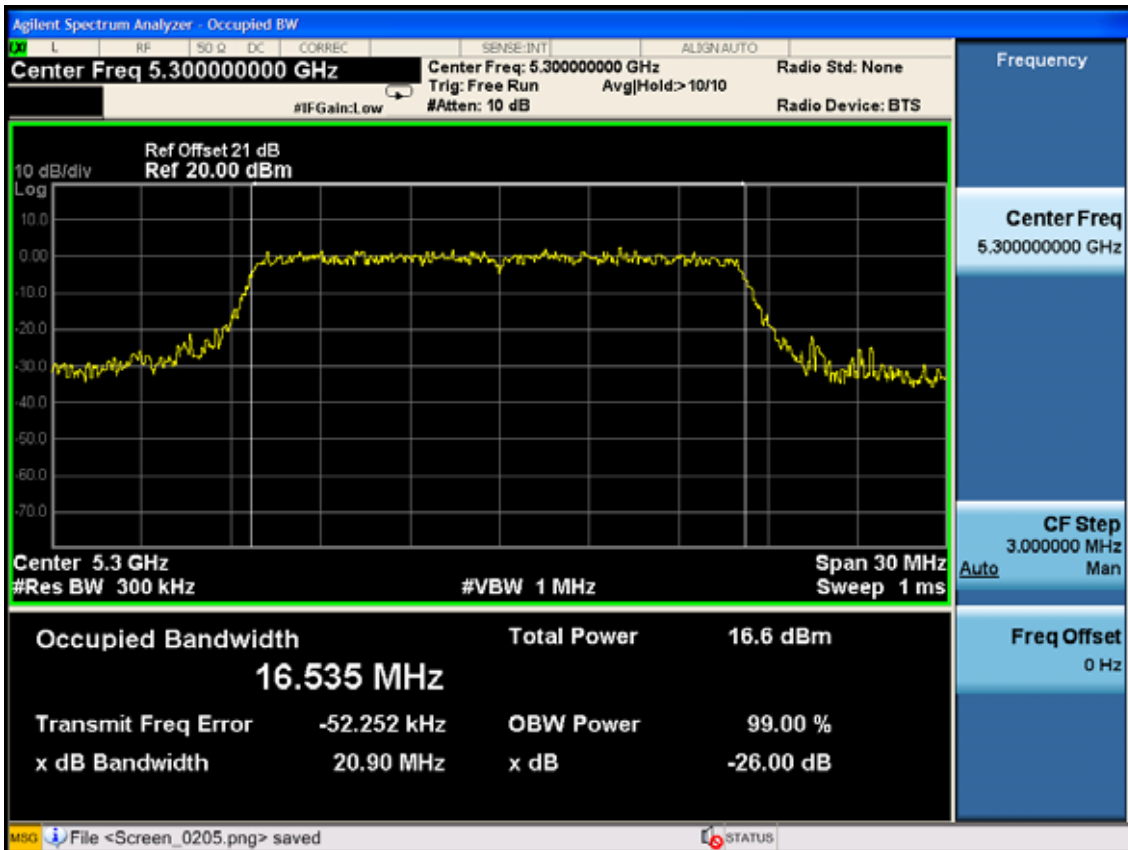
5310MHz



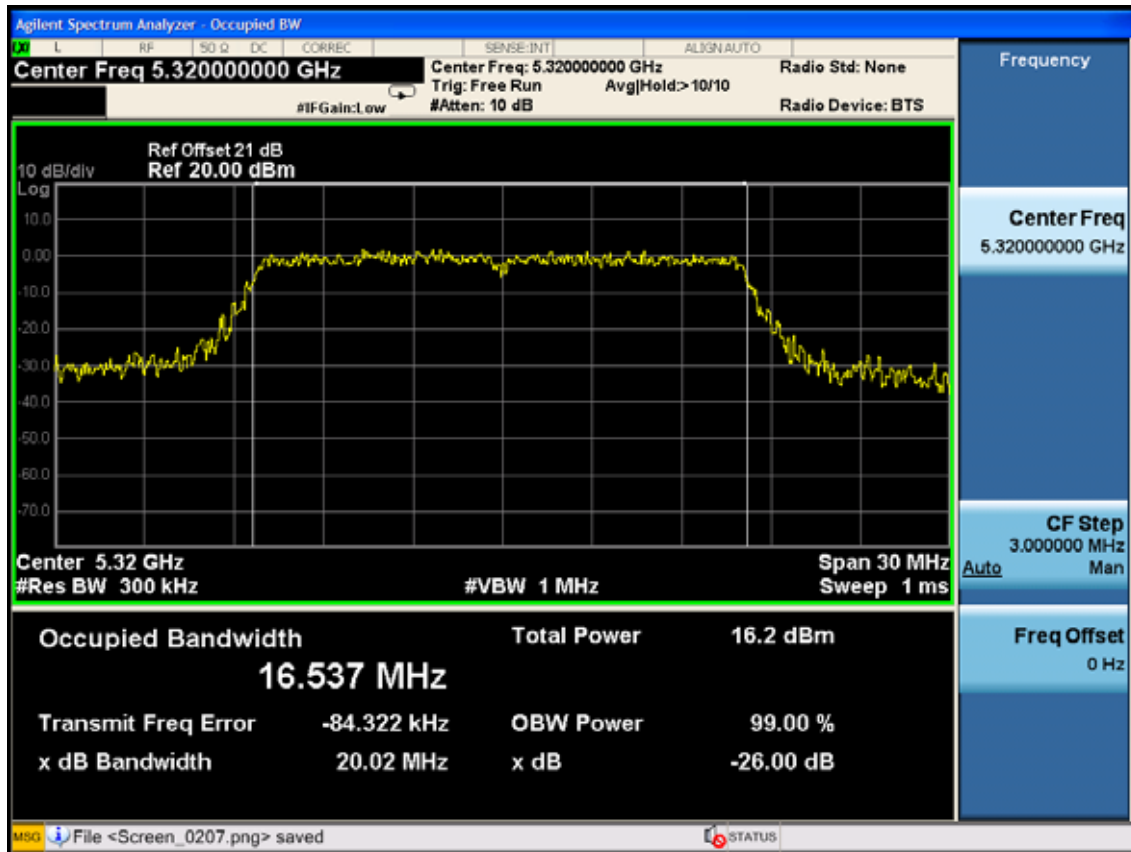
ANT 1  
11a  
5260MHz



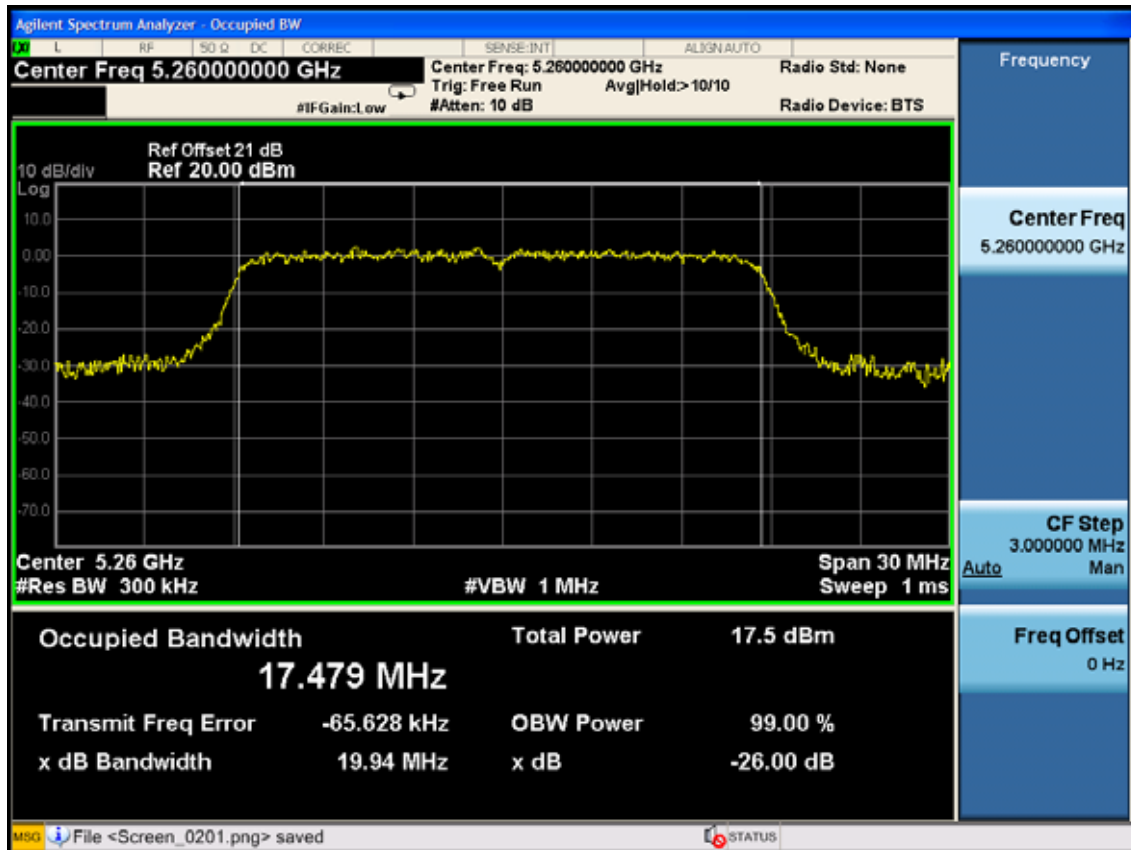
5300MHz



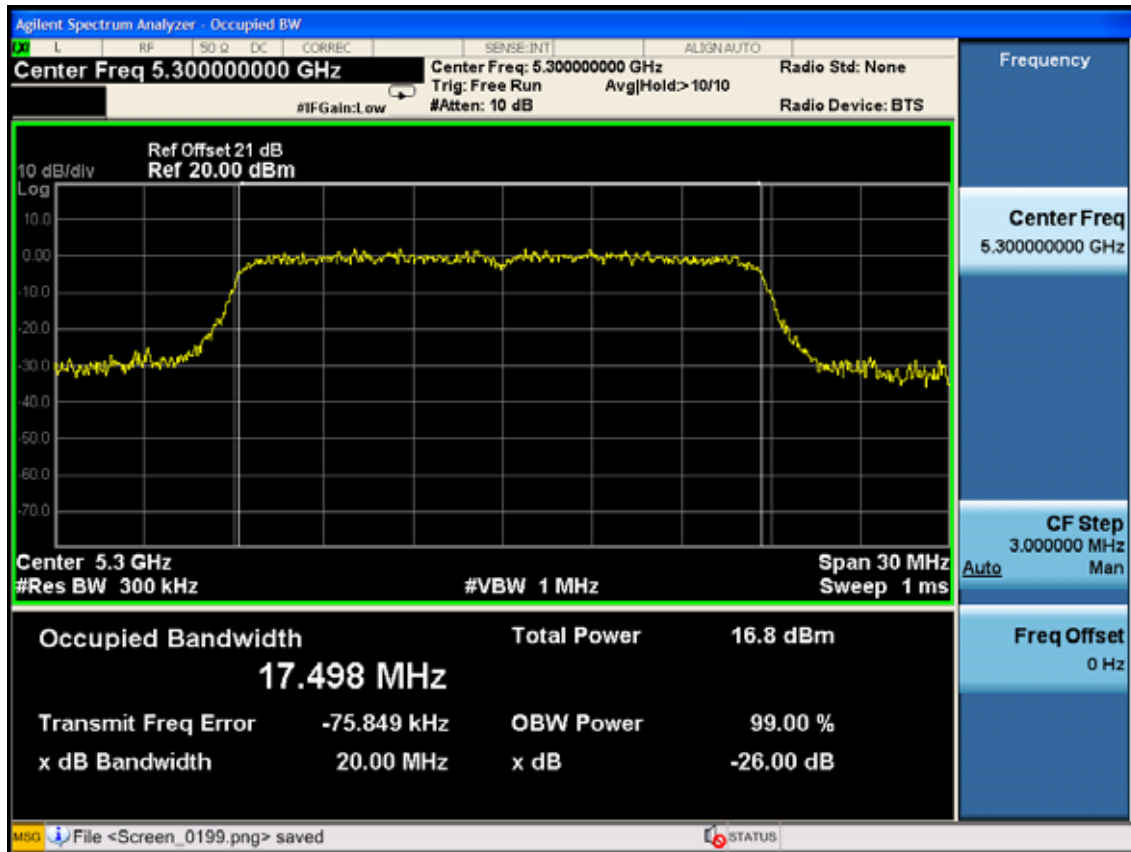
5320MHz



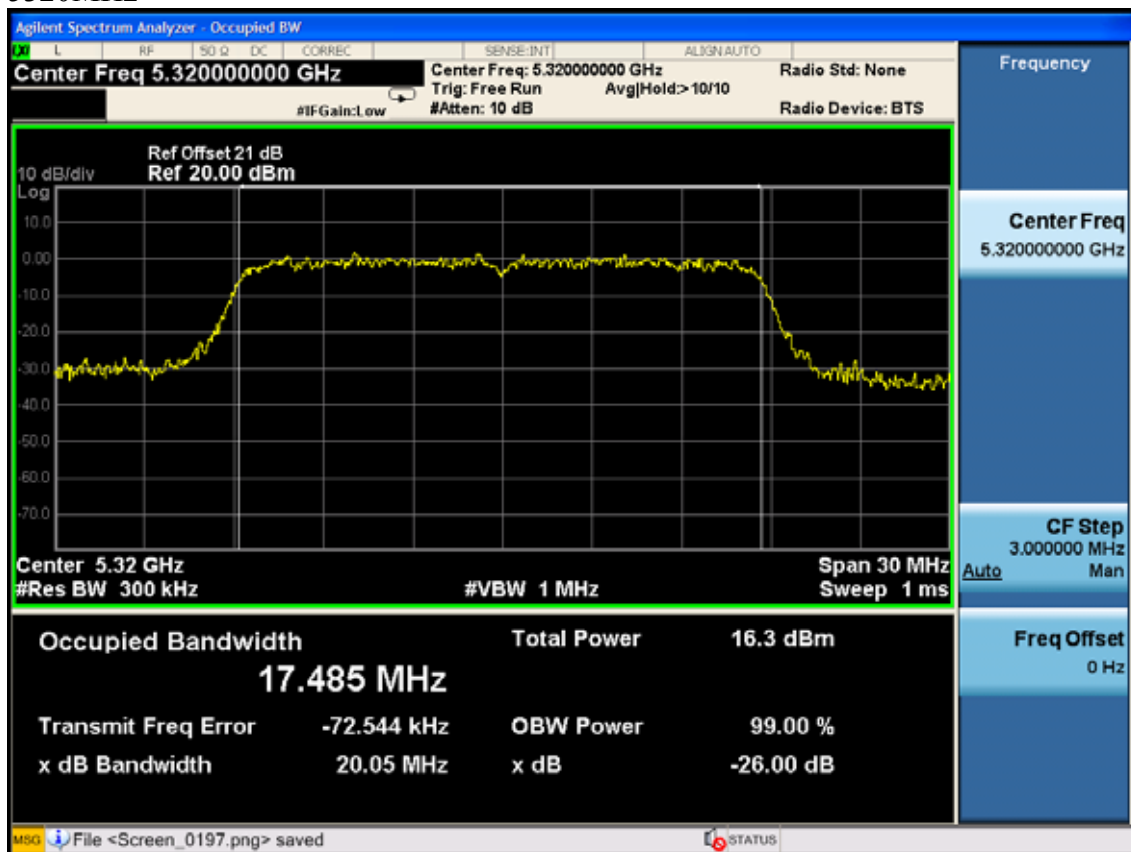
11n HT20  
5260MHz



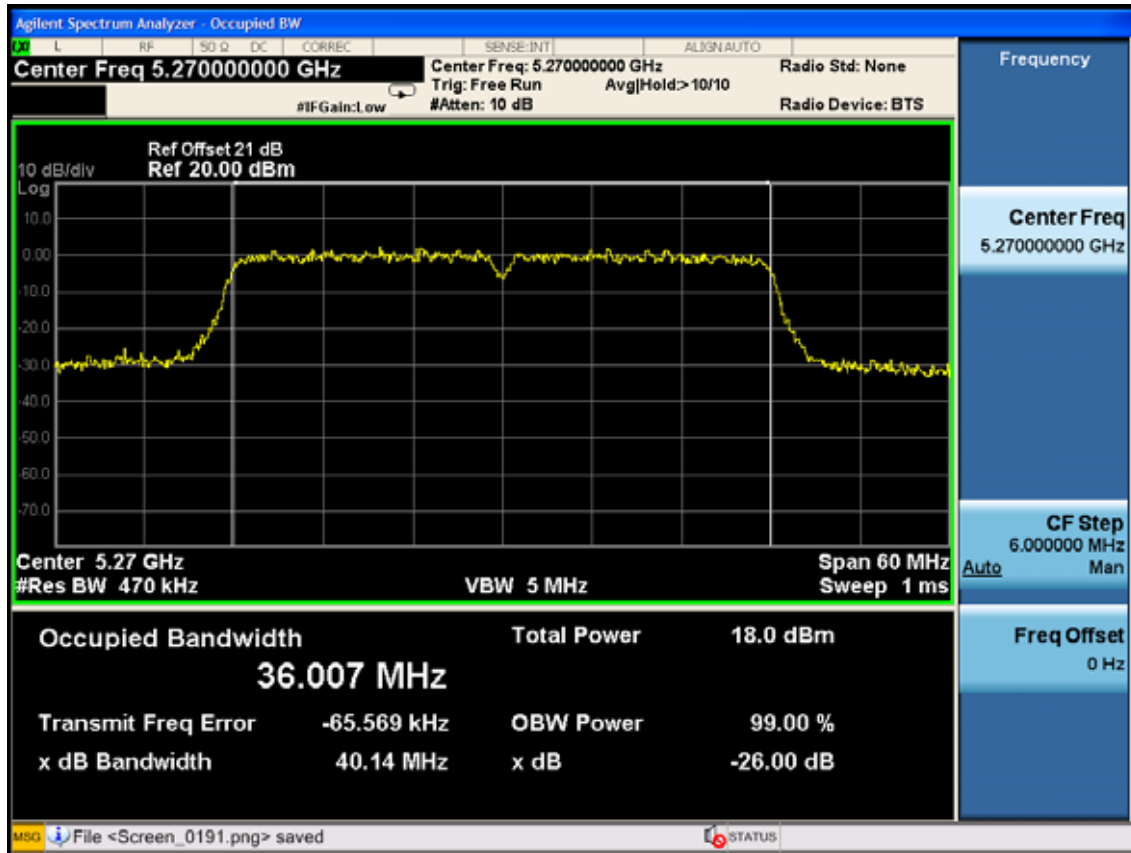
5300MHz



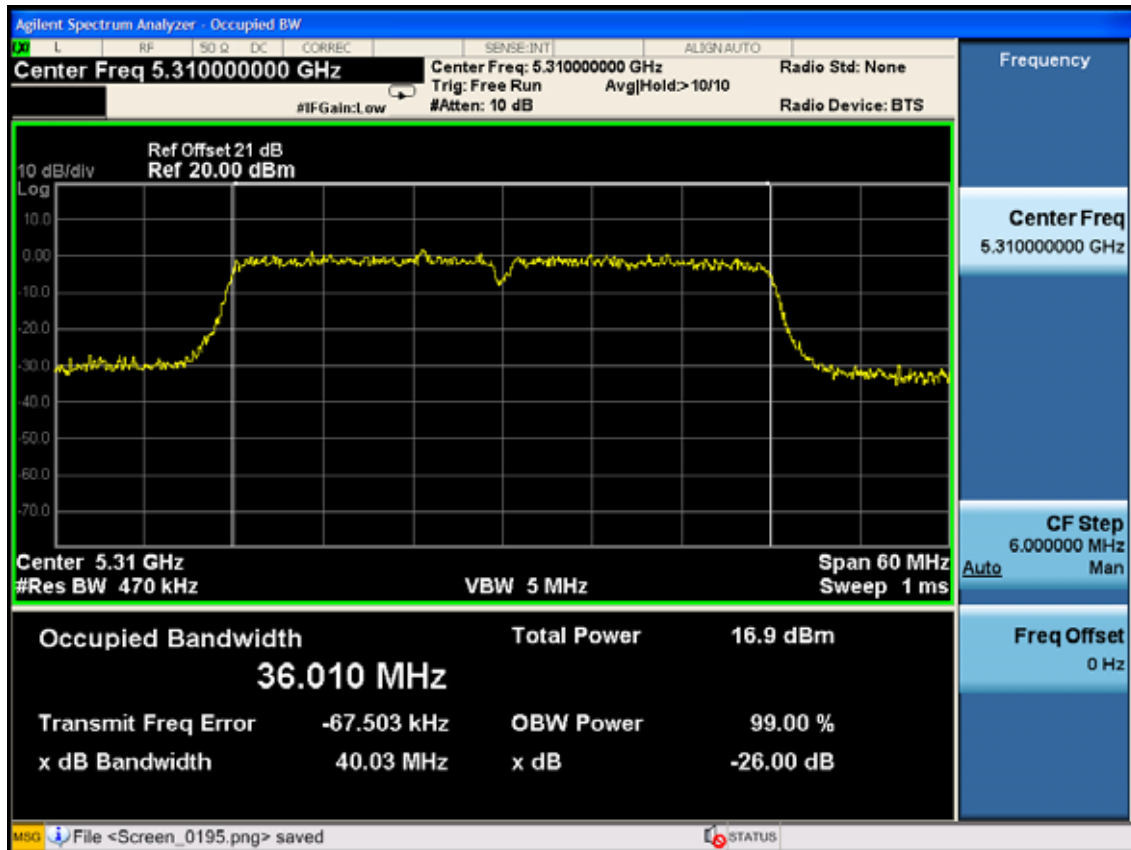
5320MHz



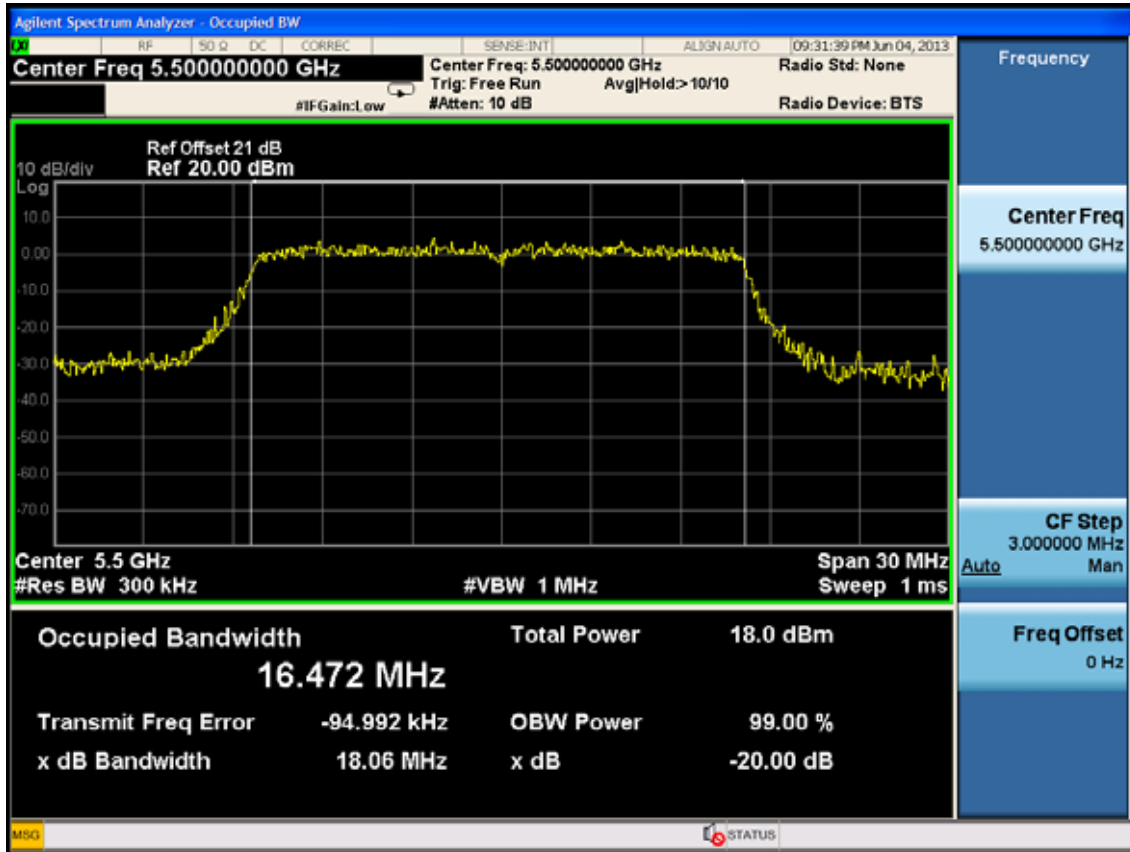
11n HT40  
5270MHz



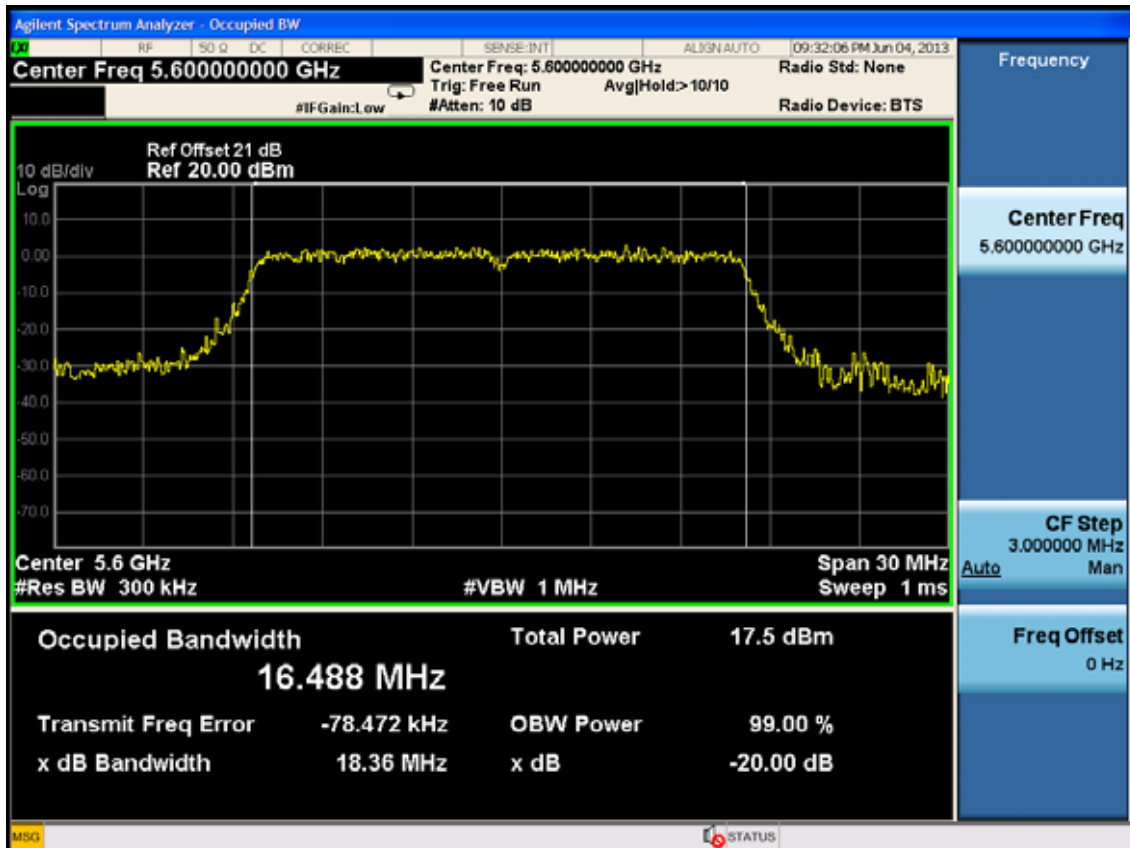
5310MHz



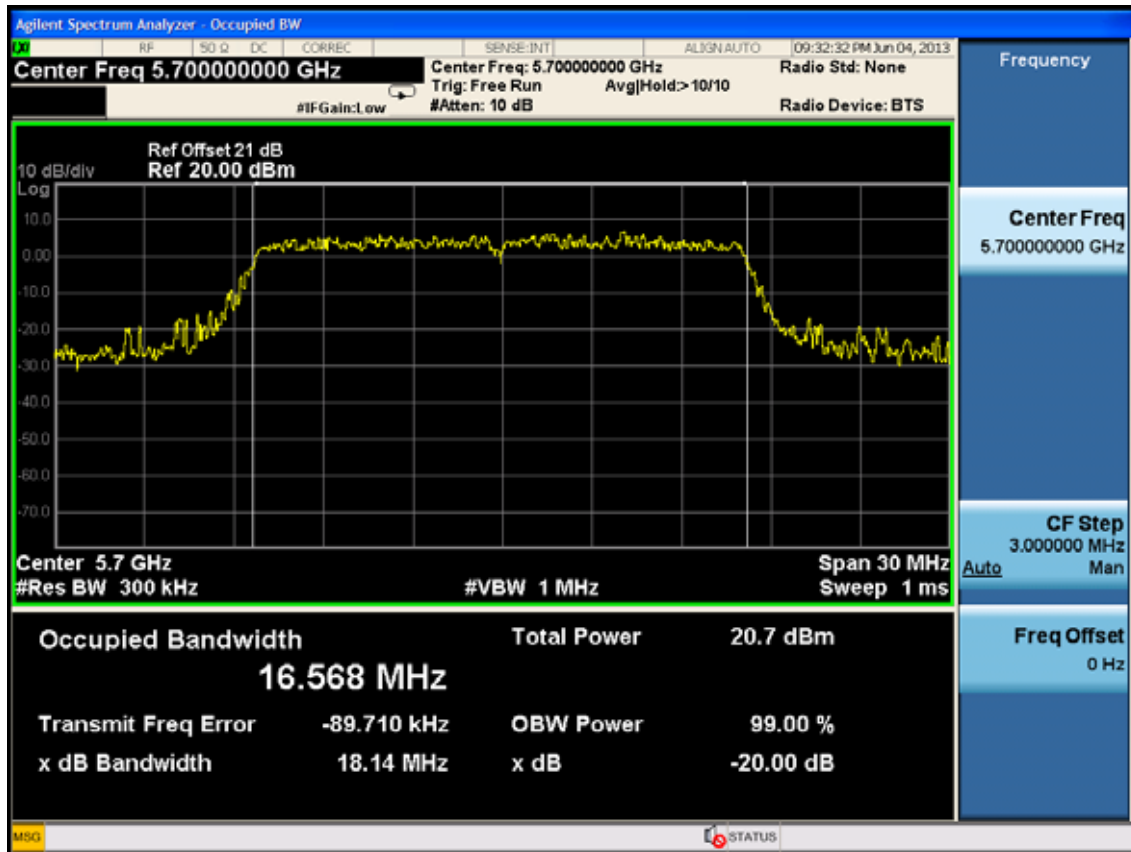
(5.4 G) 20dB bandwidth:  
 ANT 0  
 11a  
 5500MHz



5600MHz

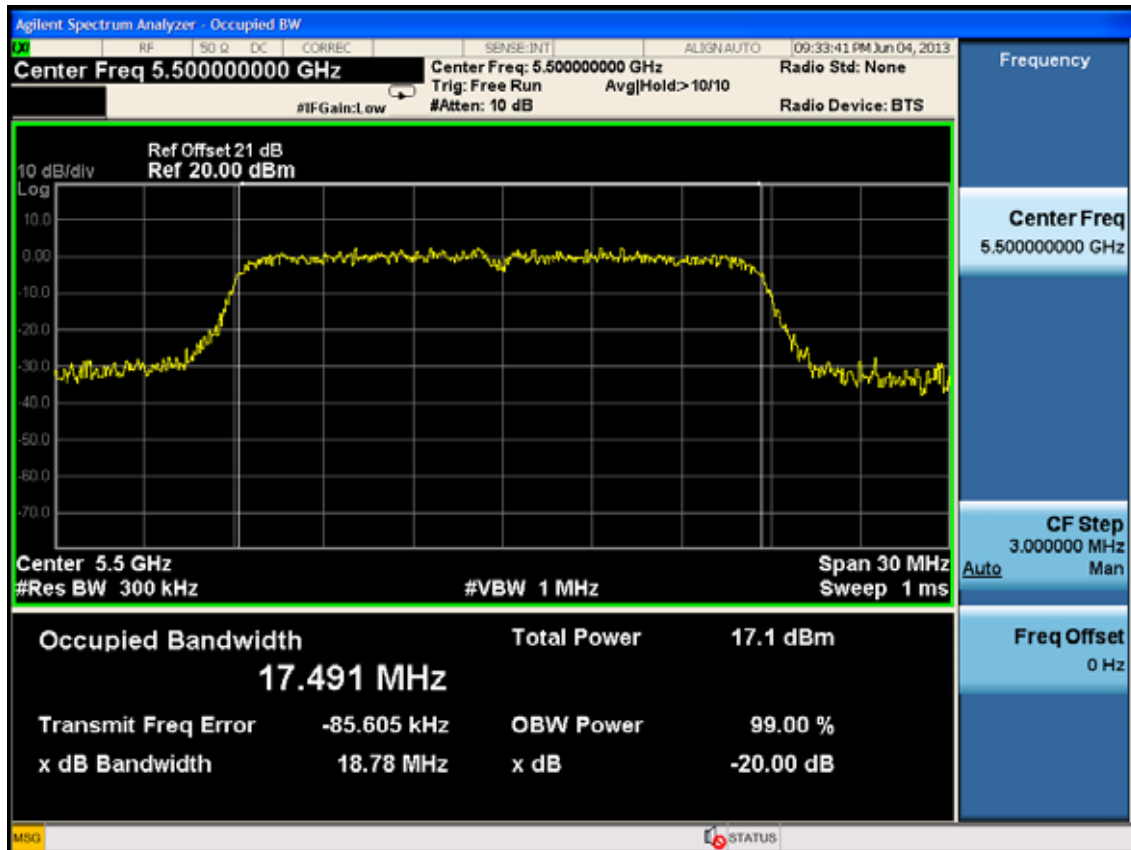


5700MHz

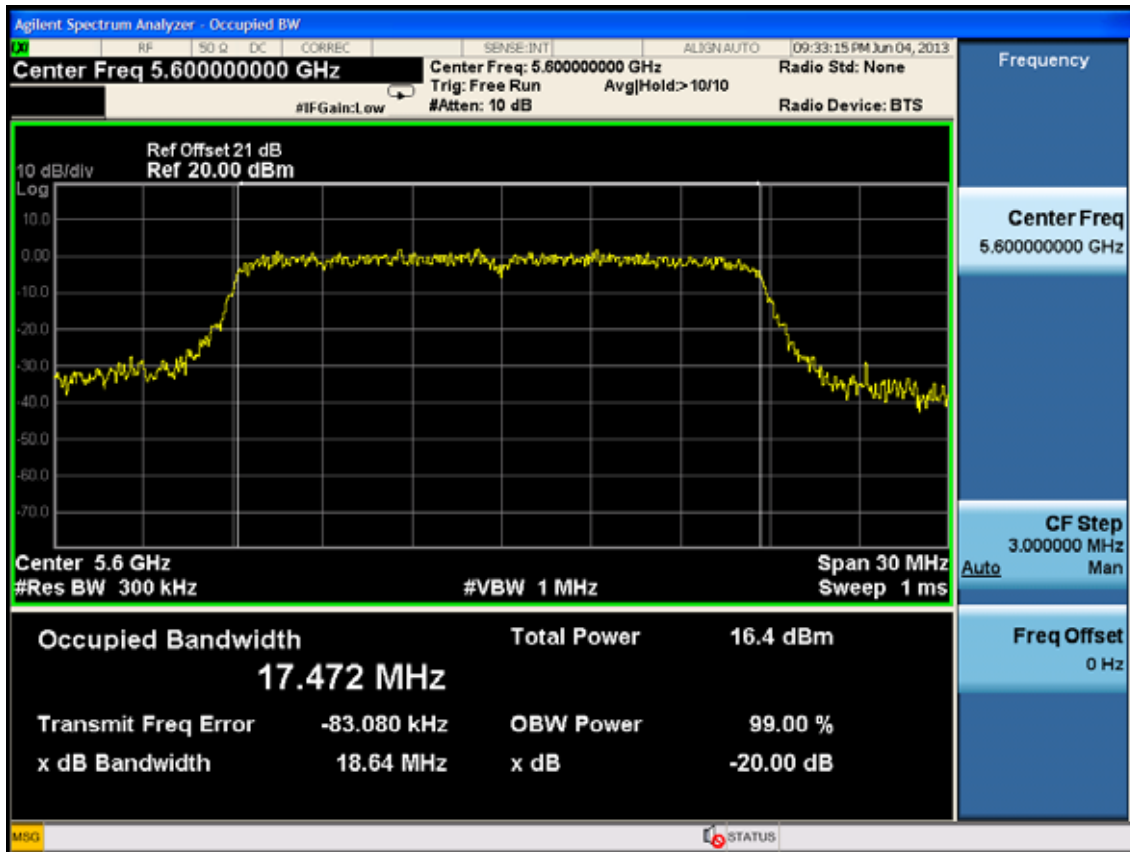


11nHT20

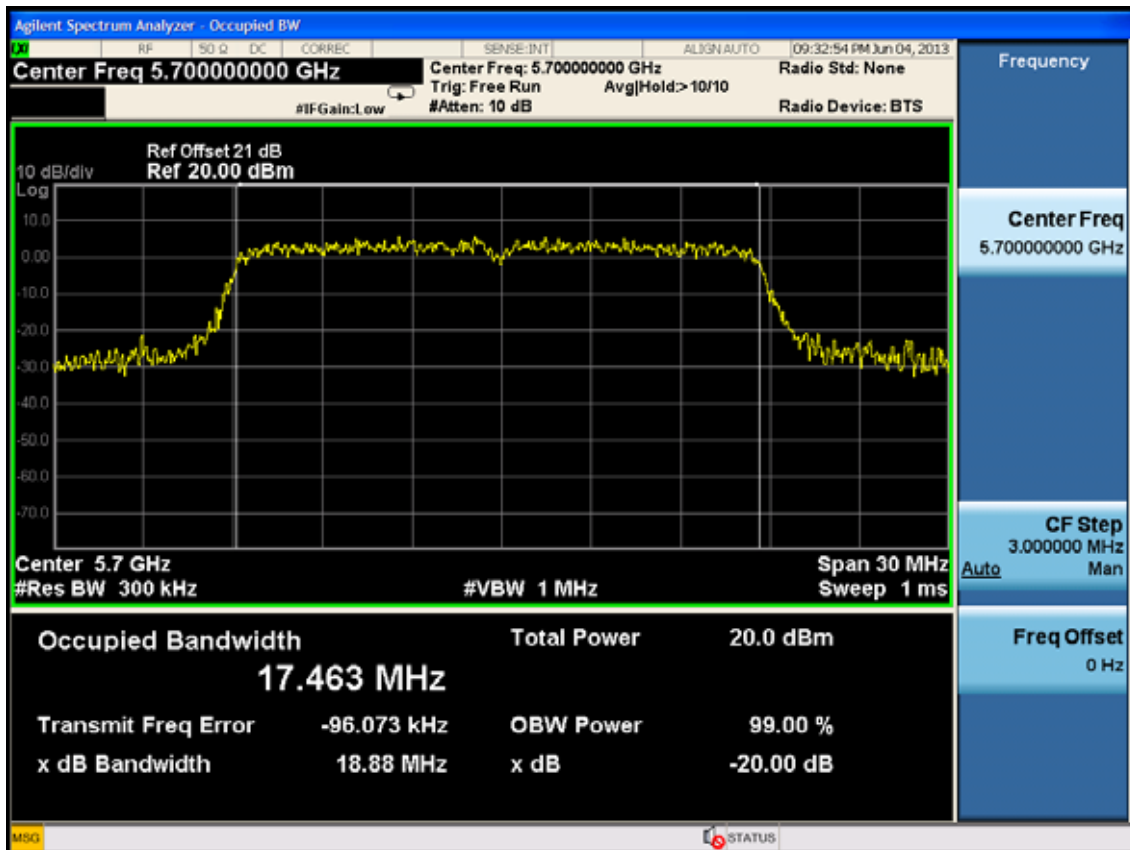
5500MHz



5600MHz

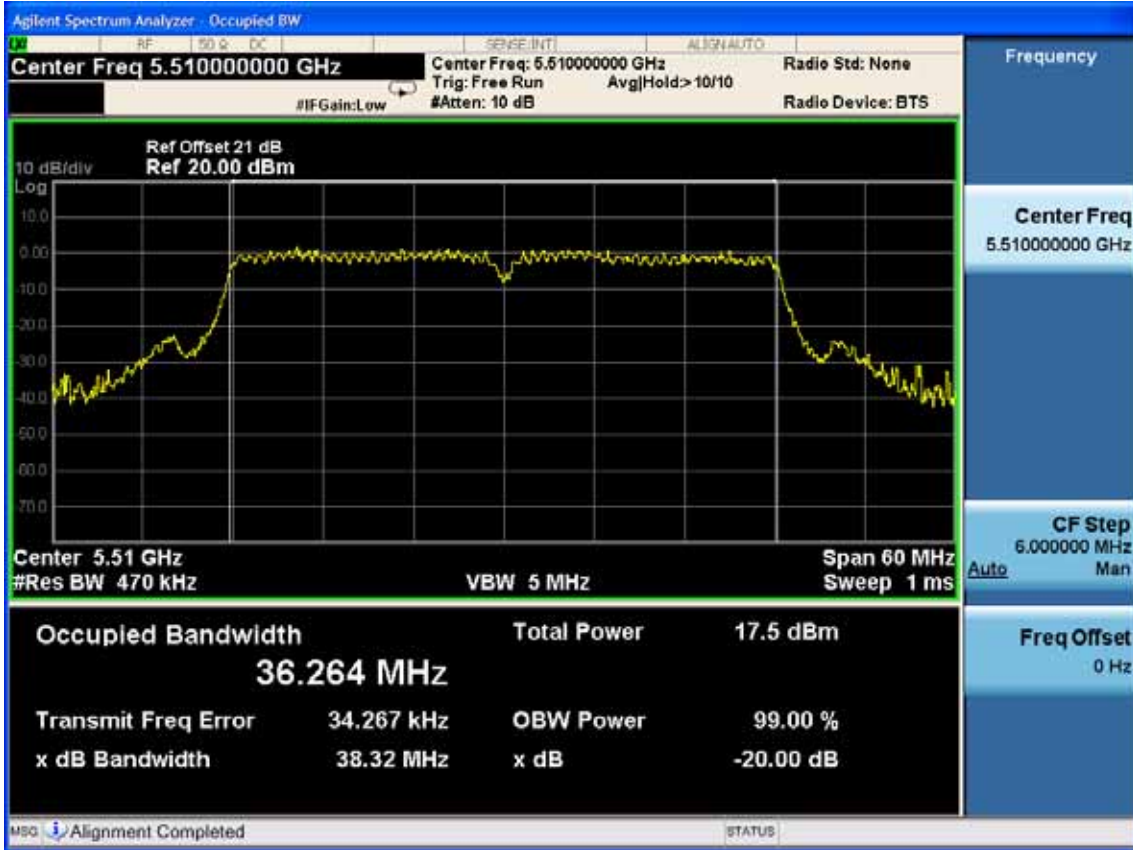


5700MHz





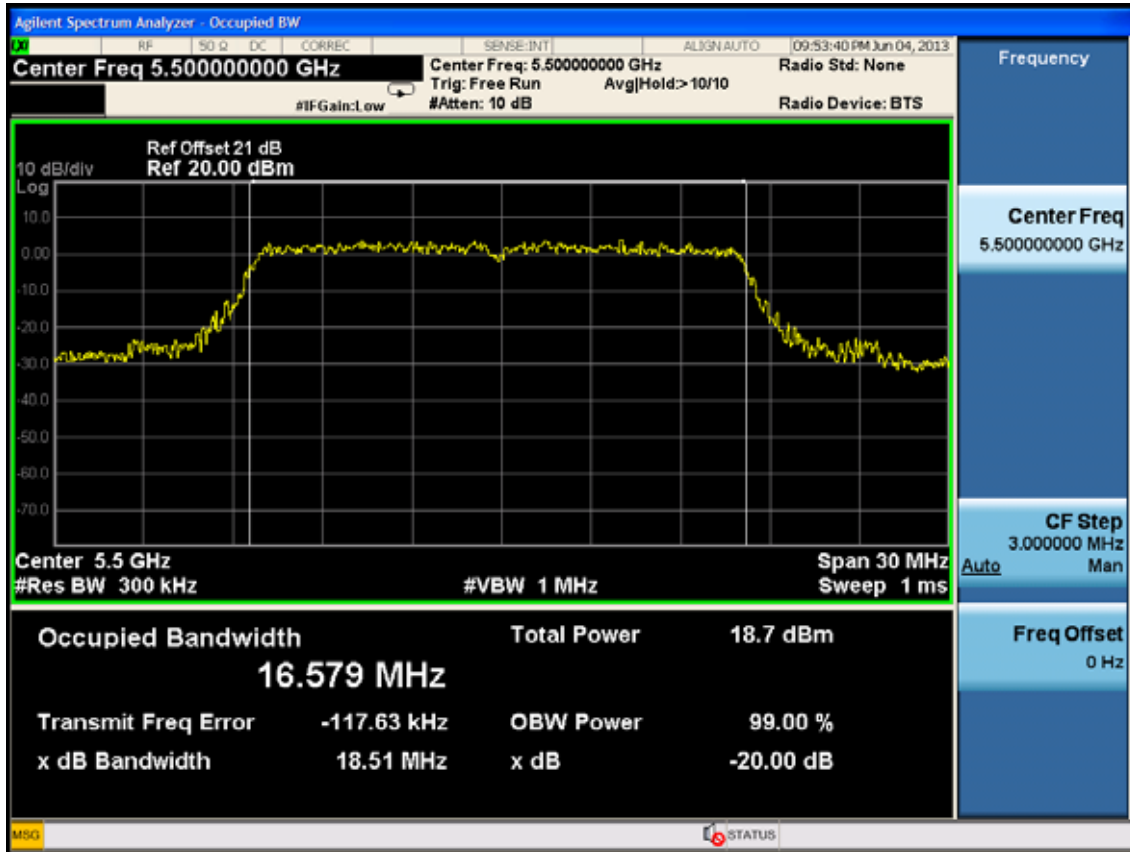
11nHT40  
5510MHz



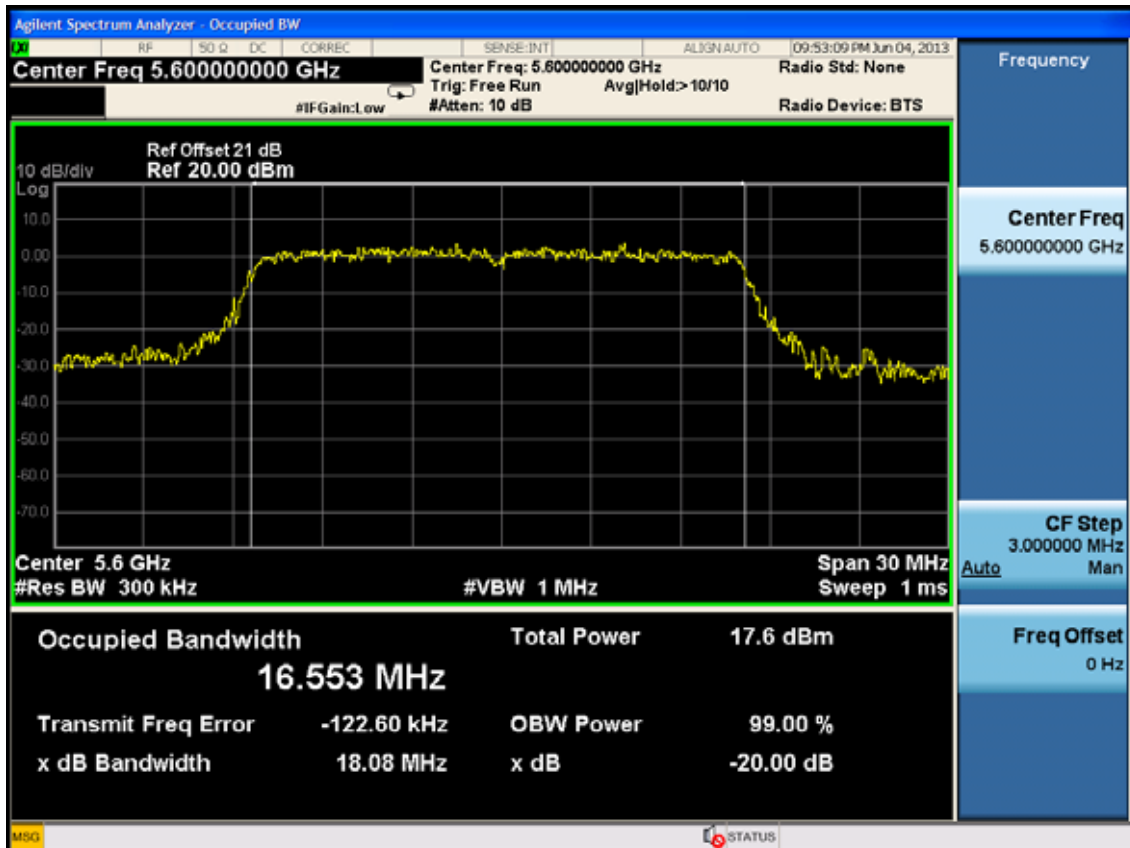
5670MHz



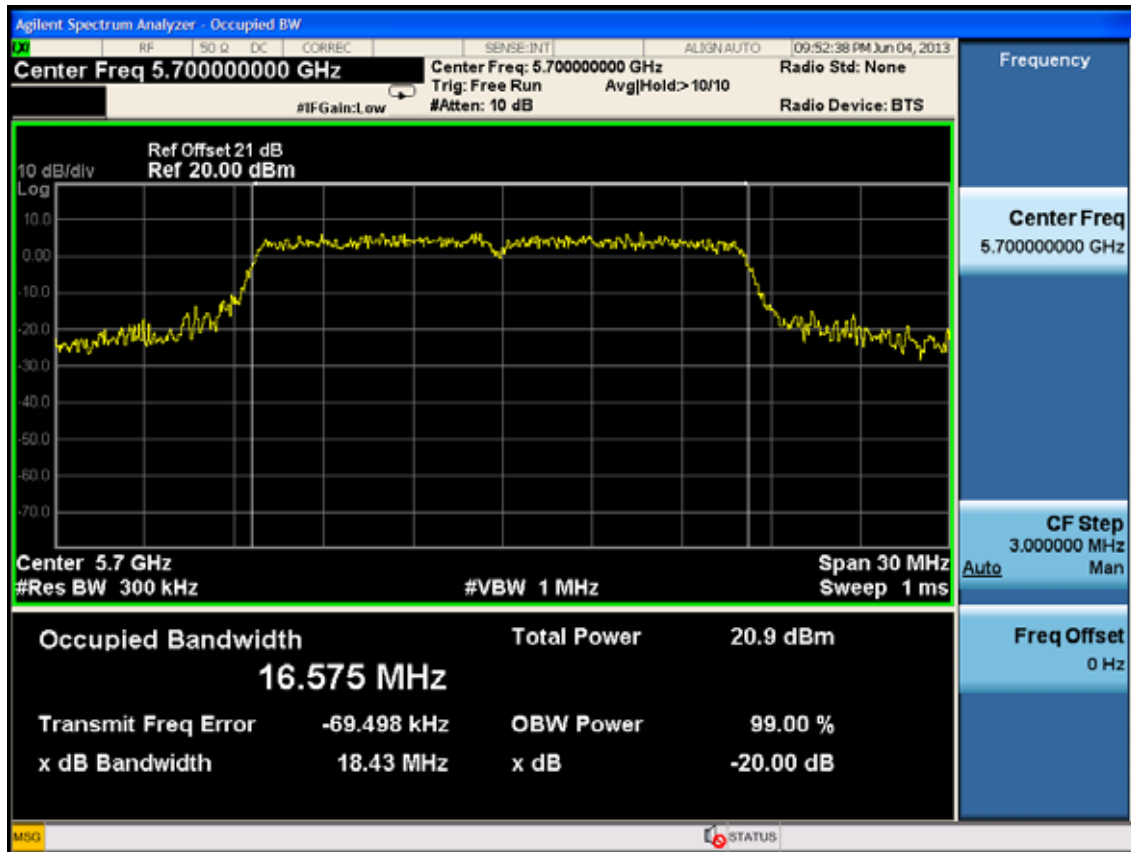
ANT 1  
11a  
5500MHz



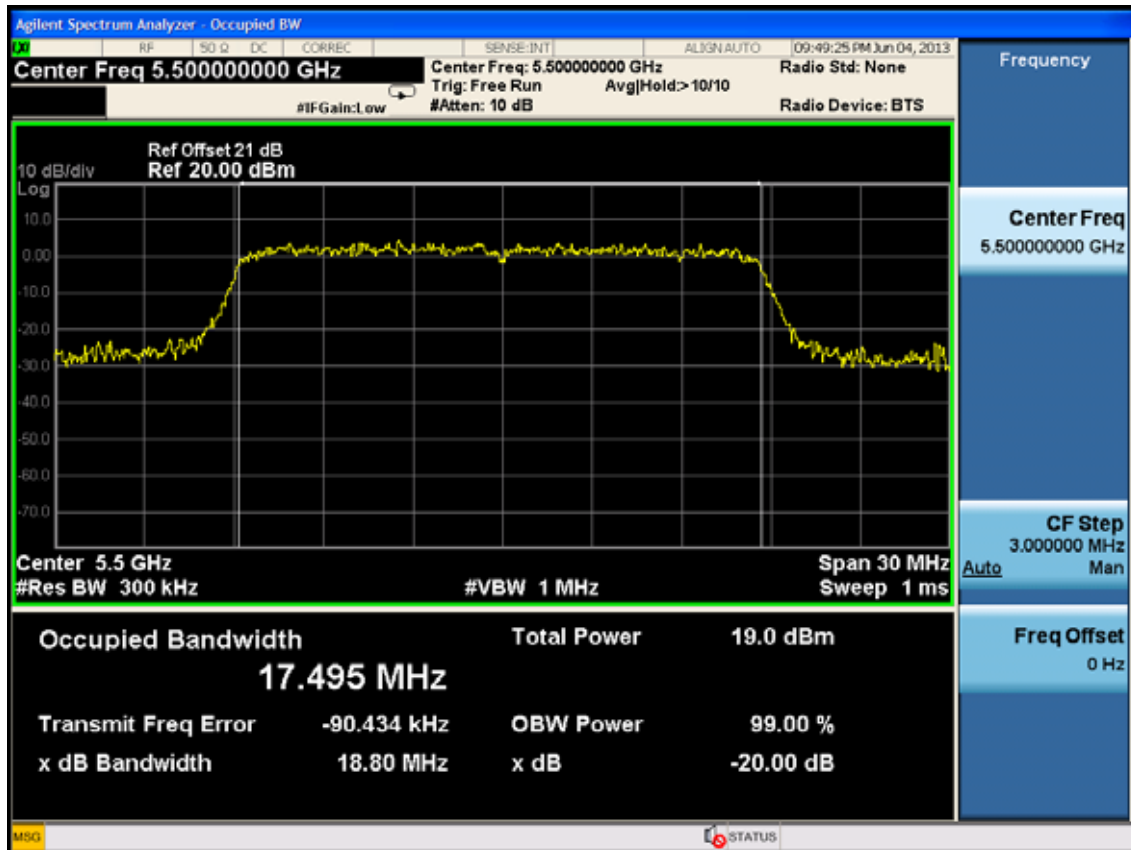
5600MHz



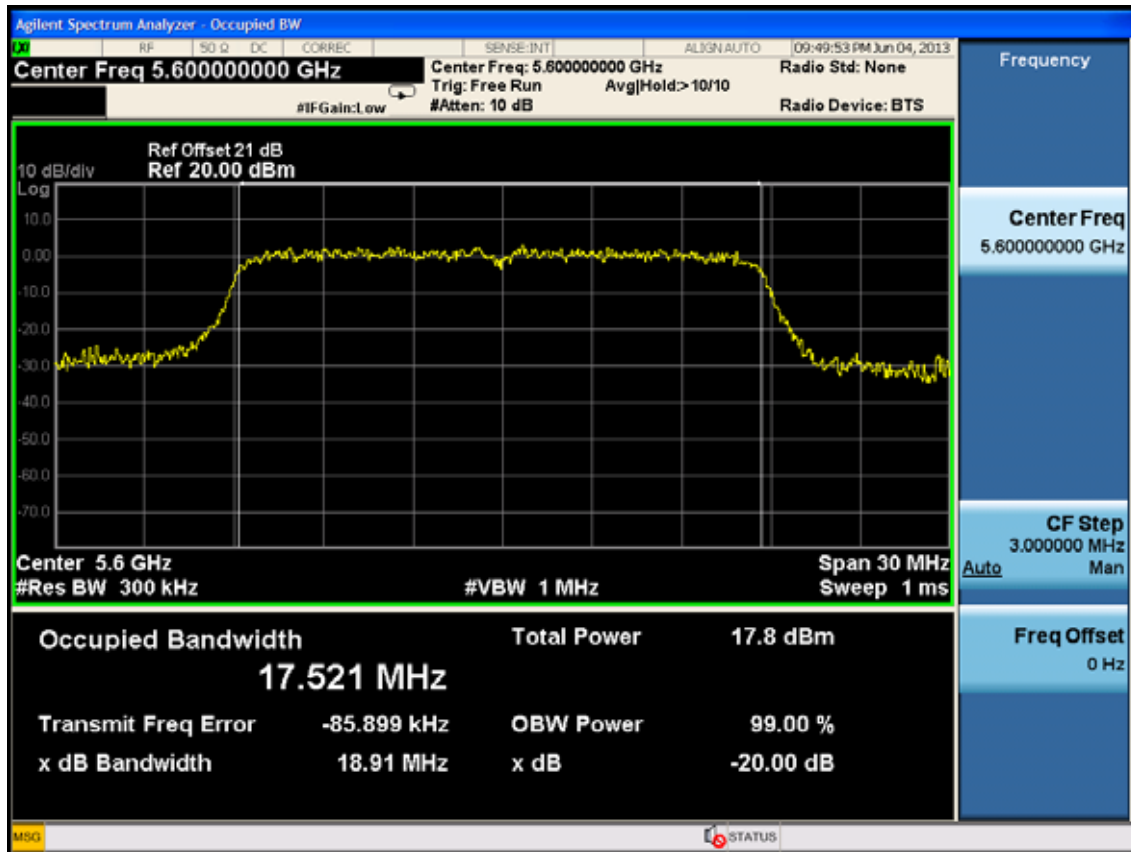
5700MHz



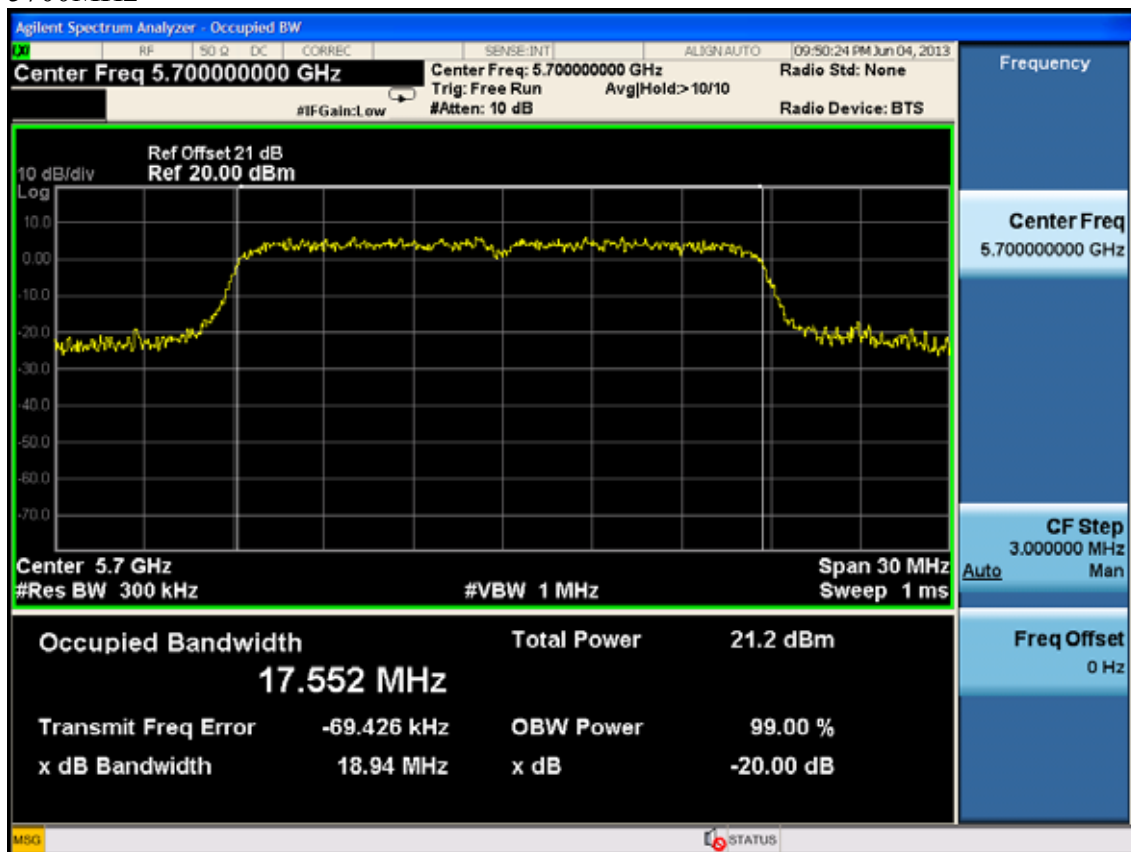
11nHT20  
5500MHz



5600MHz



5700MHz



**11nHT40**  
**5510MHz**



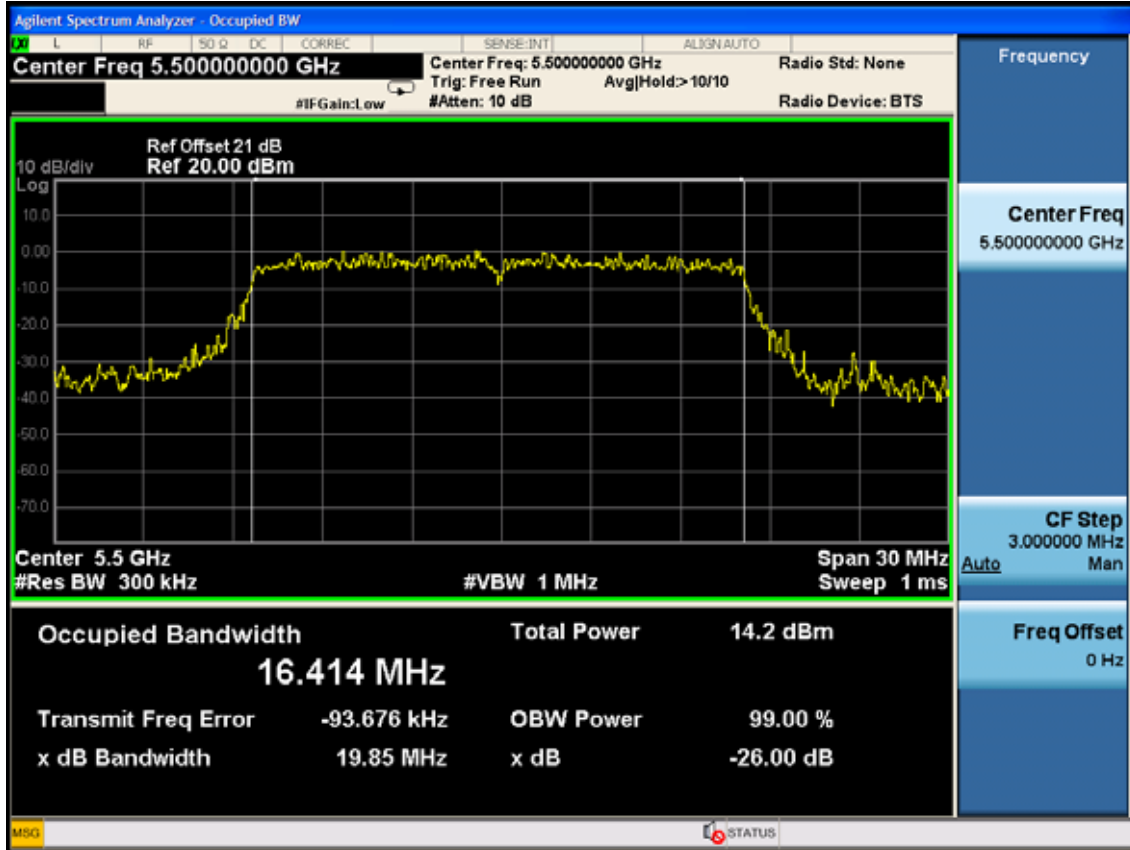
**5670MHz**



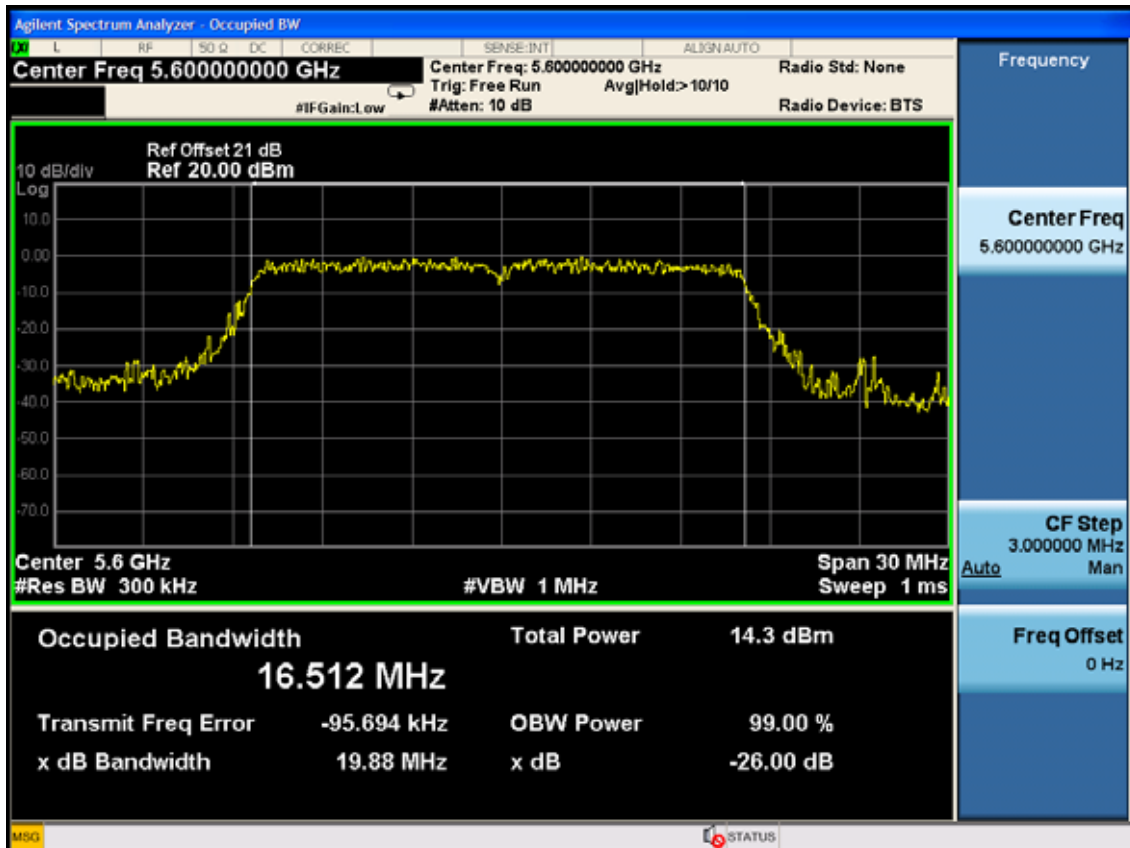
(5470-5725MHz) 26dB bandwidth:

11a

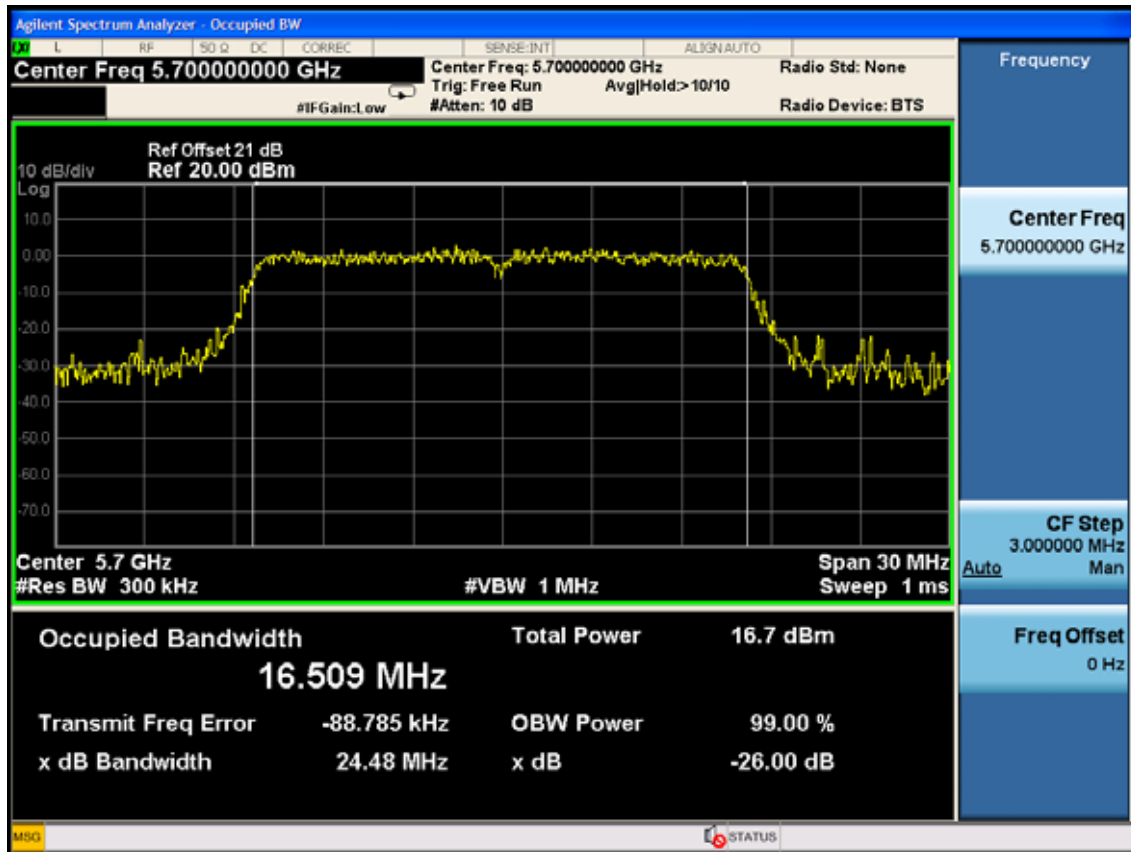
5500MHz



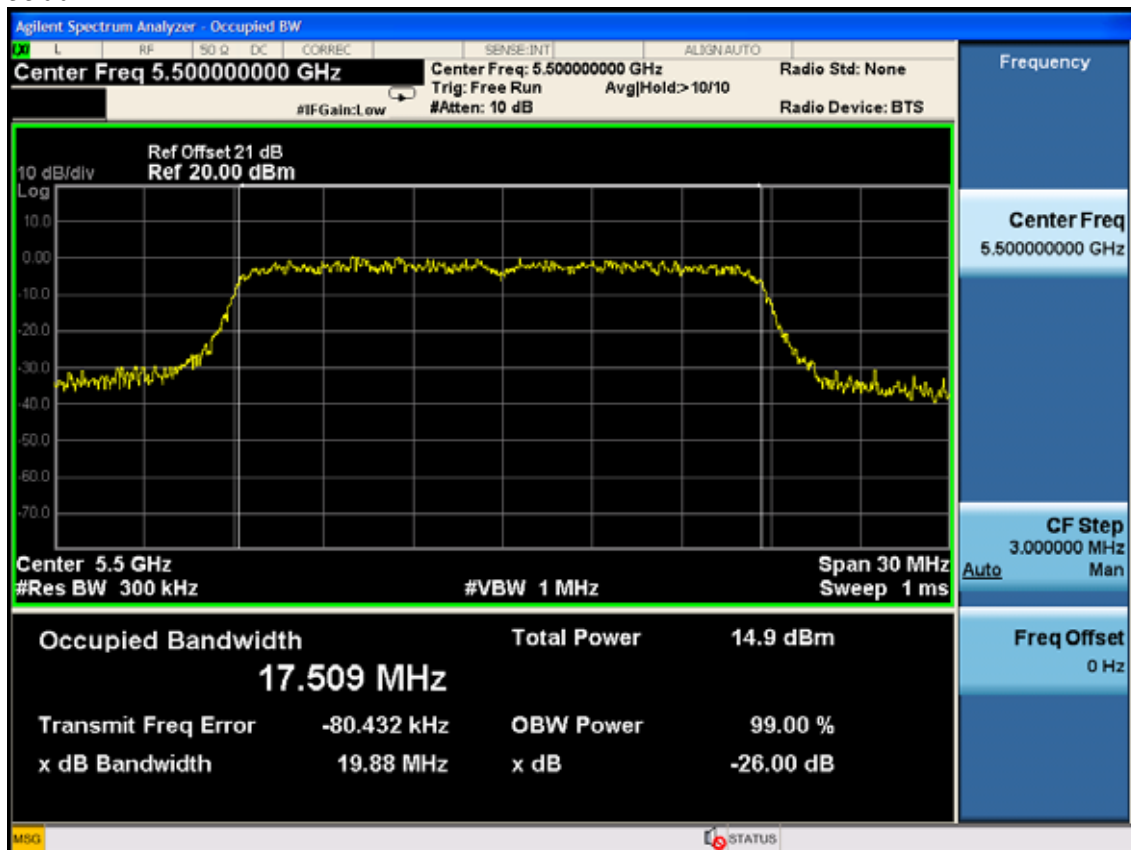
5600MHz



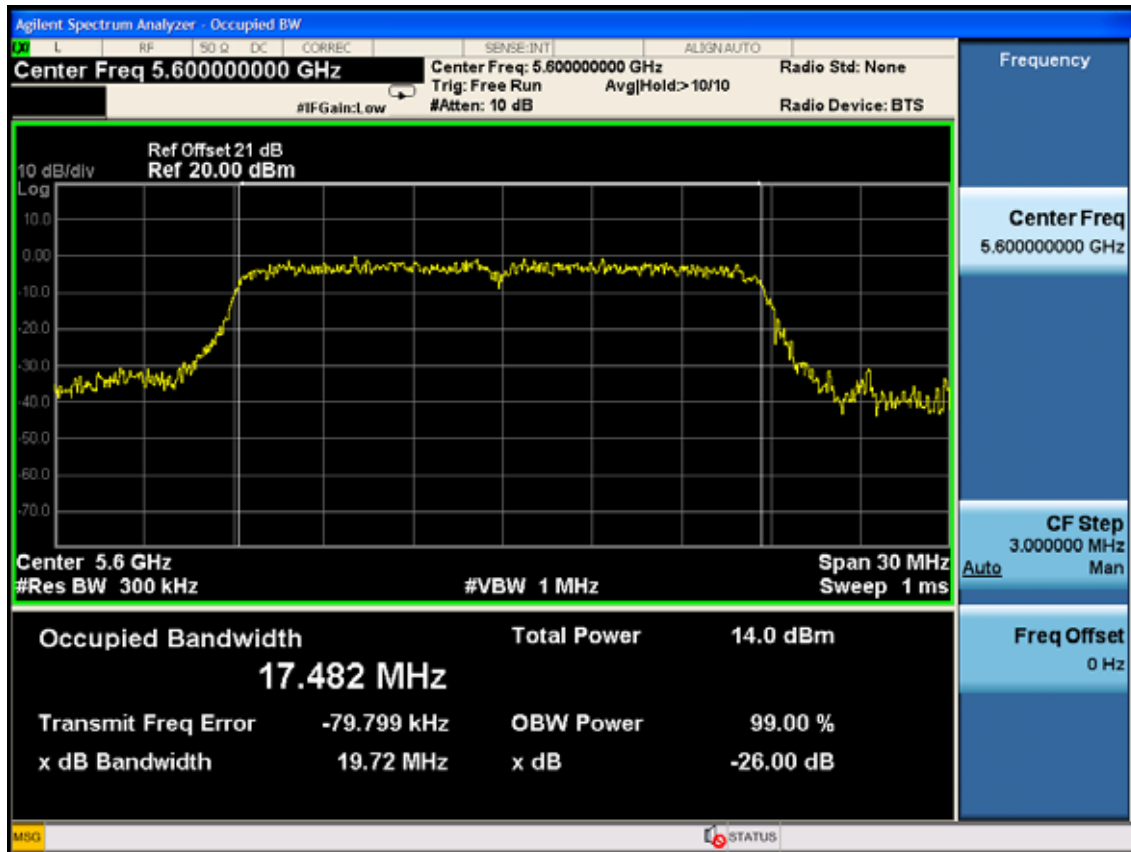
5700MHz



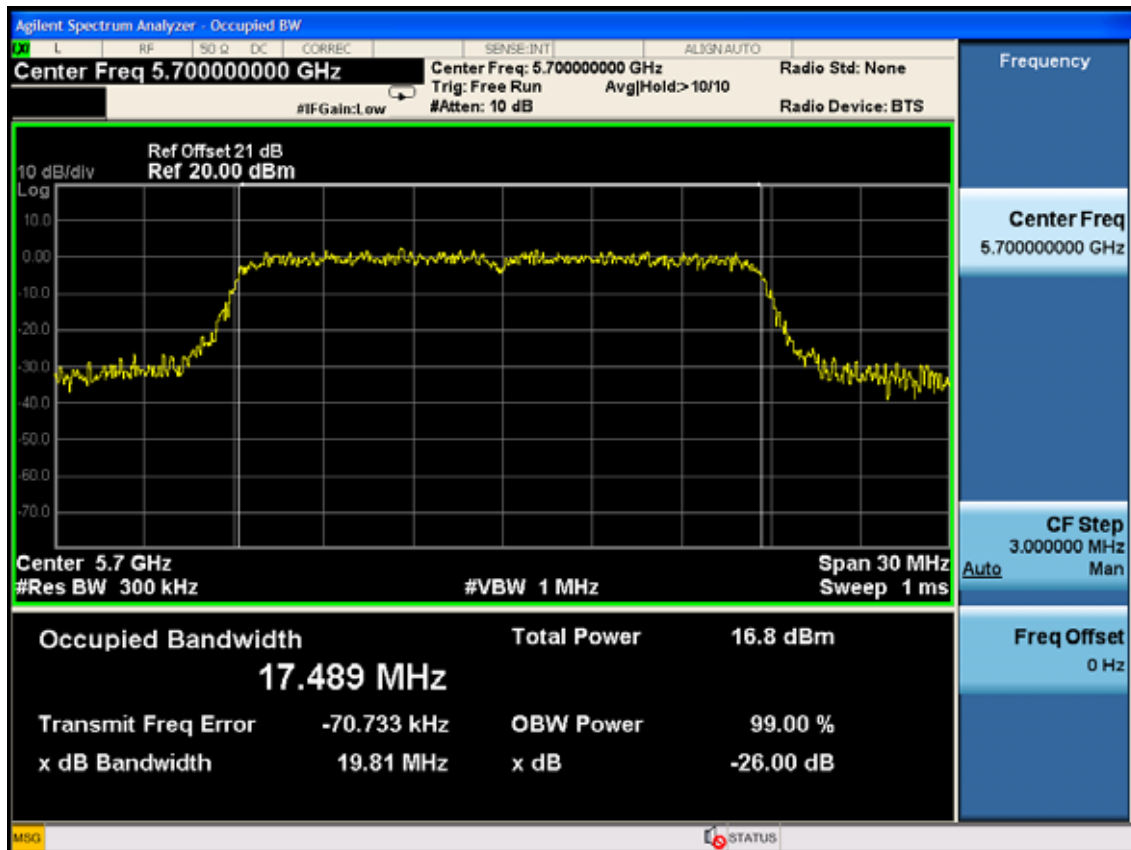
11nHT20  
5500MHz



5600MHz



5700MHz





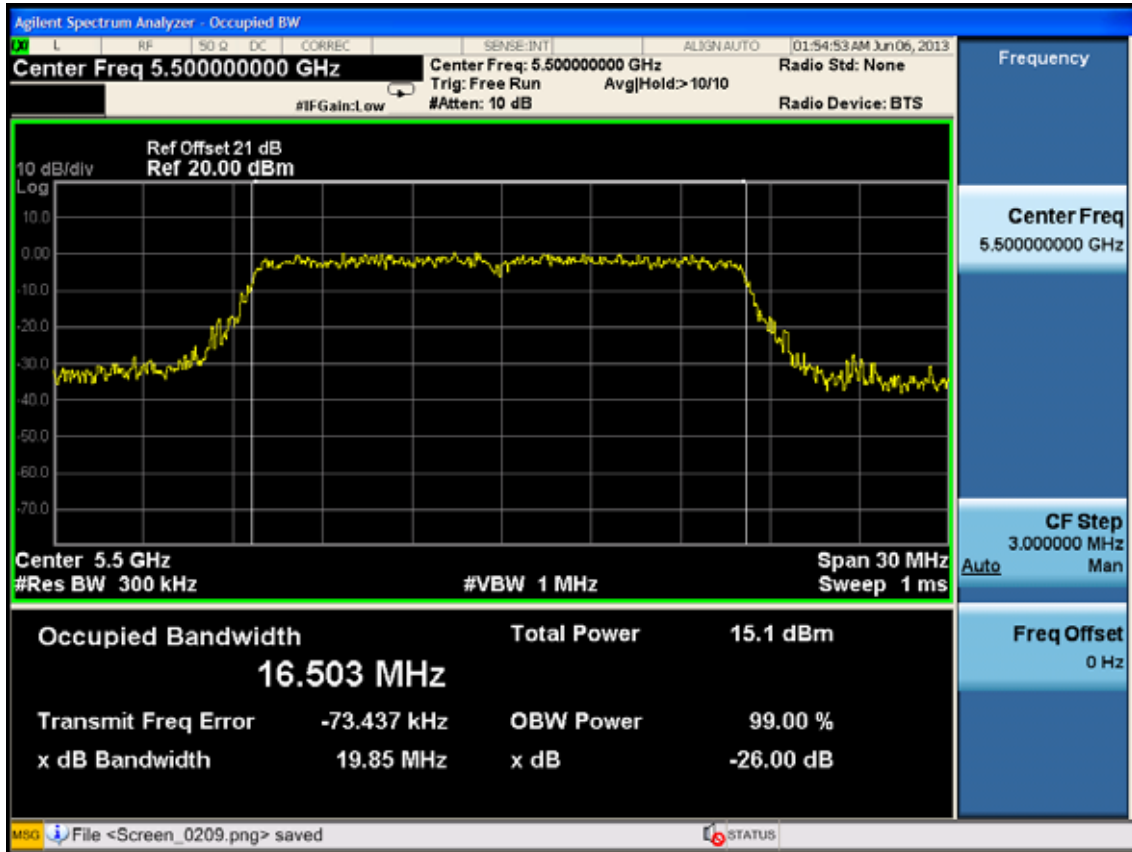
**11nHT40**  
**5510MHz**



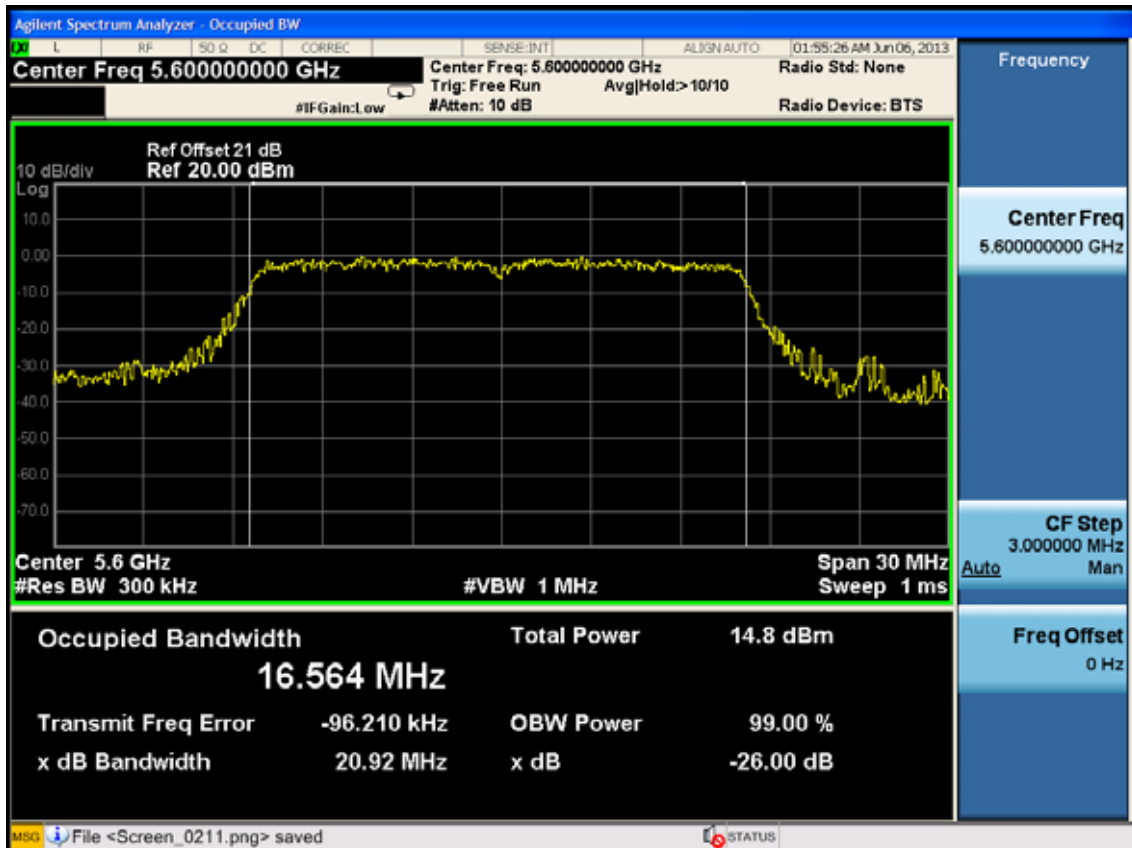
**5670MHz**



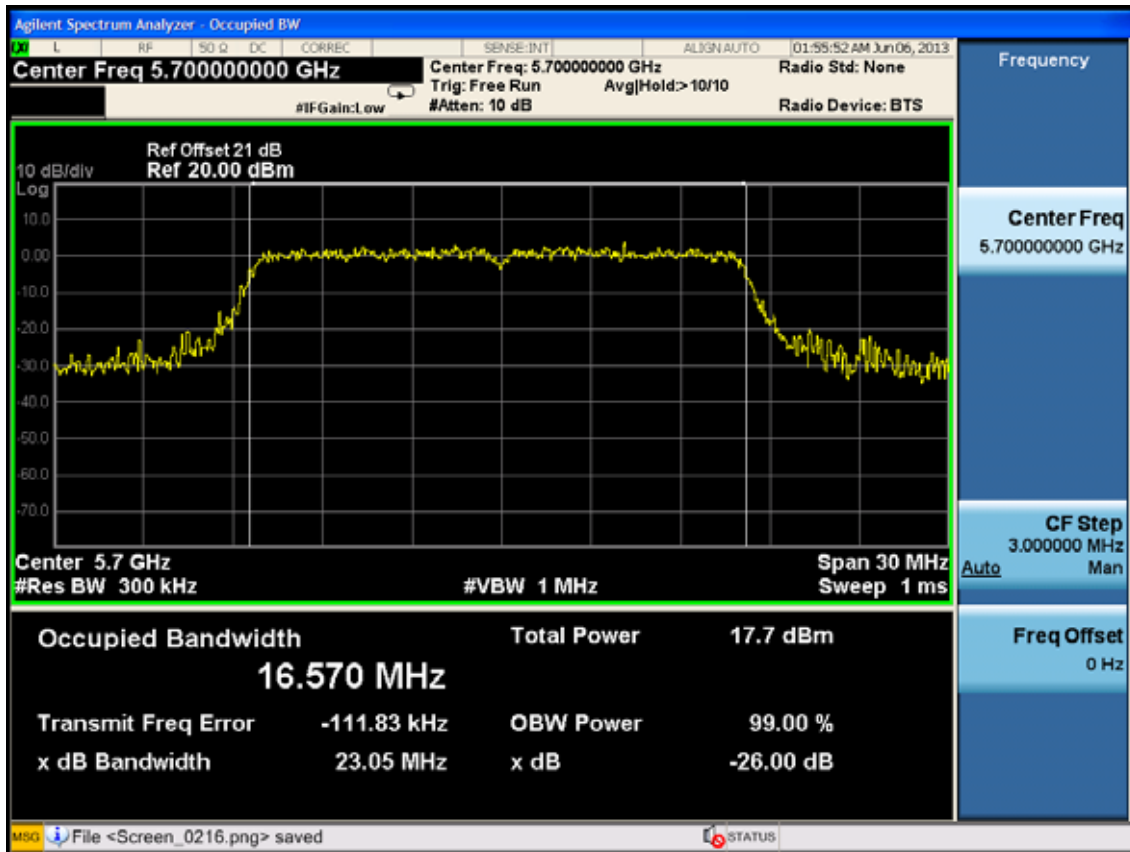
ANT 1  
11a  
5500MHz



5600MHz

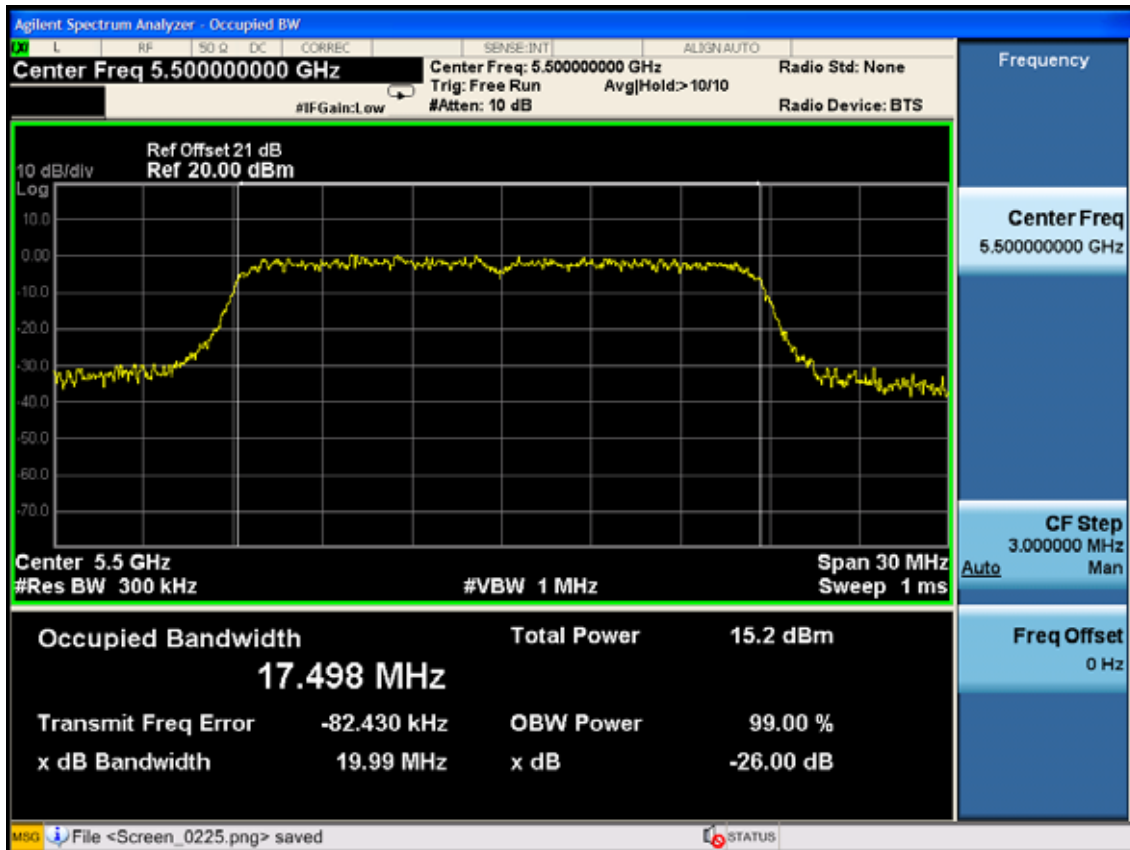


5700MHz

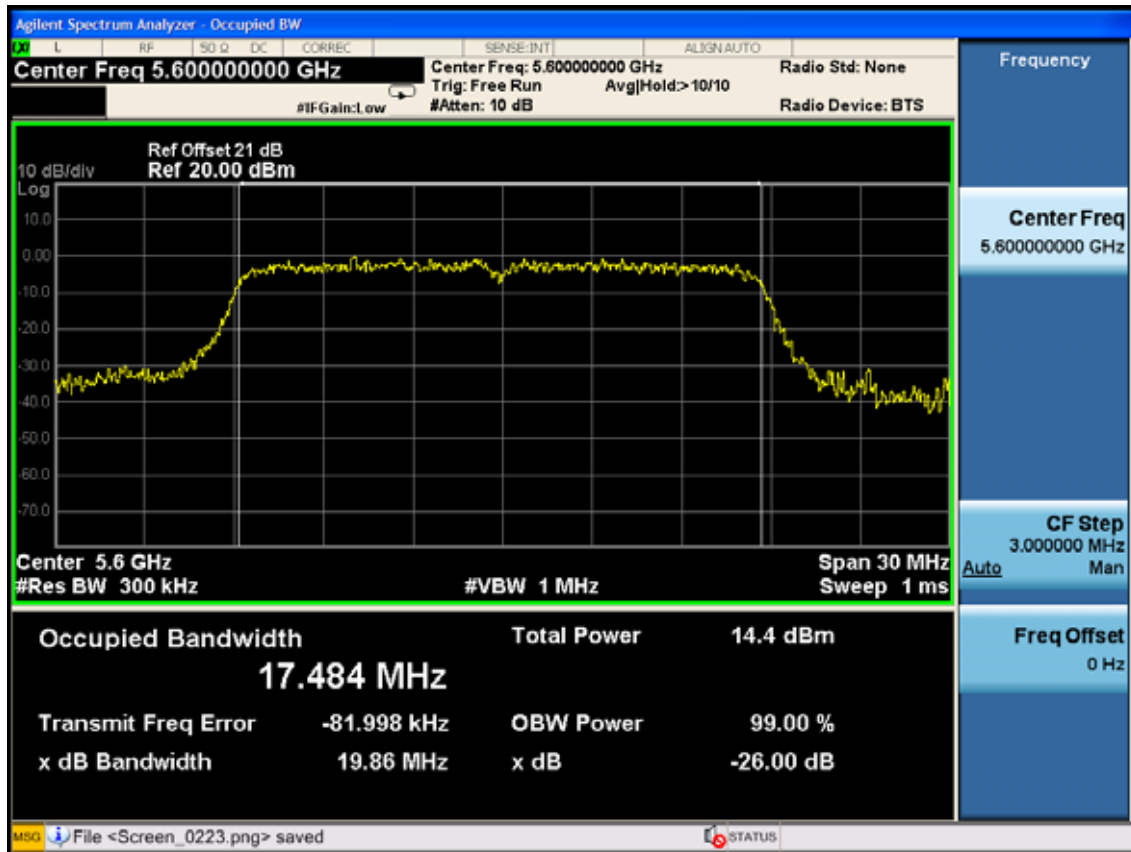


11nHT20

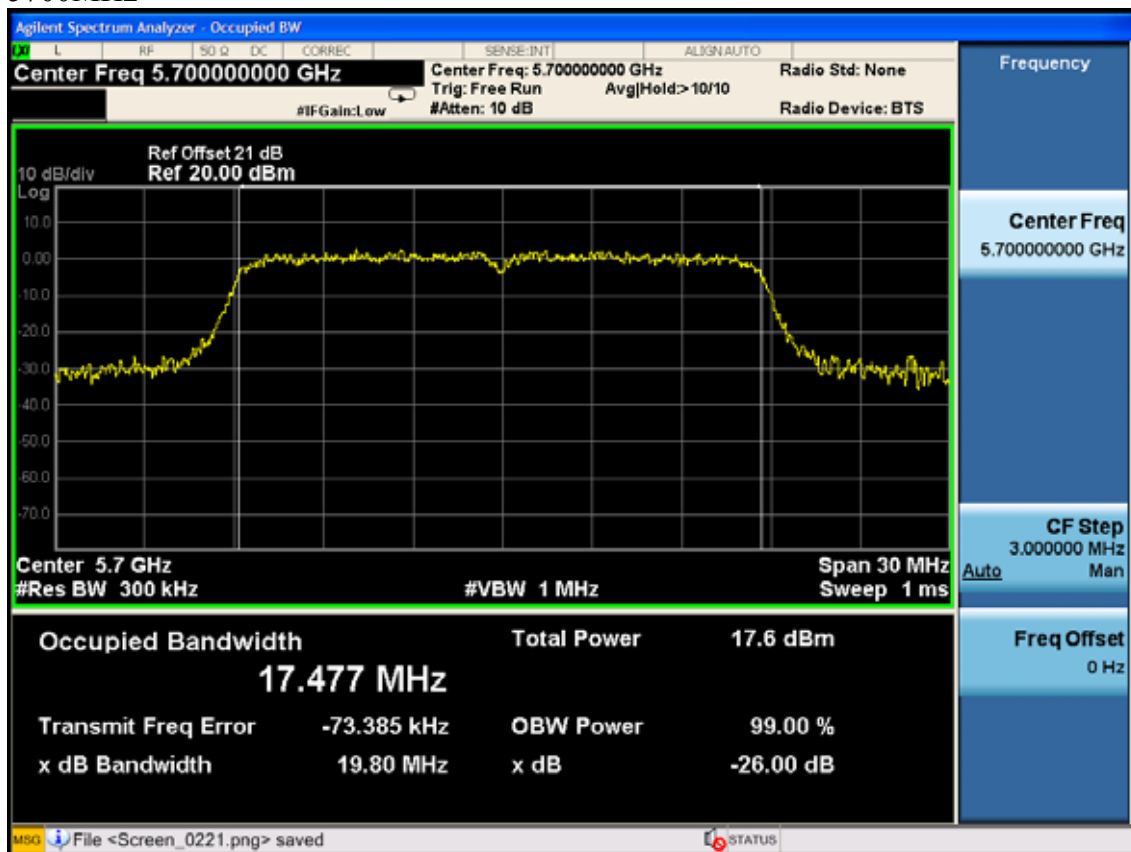
5500MHz



5600MHz



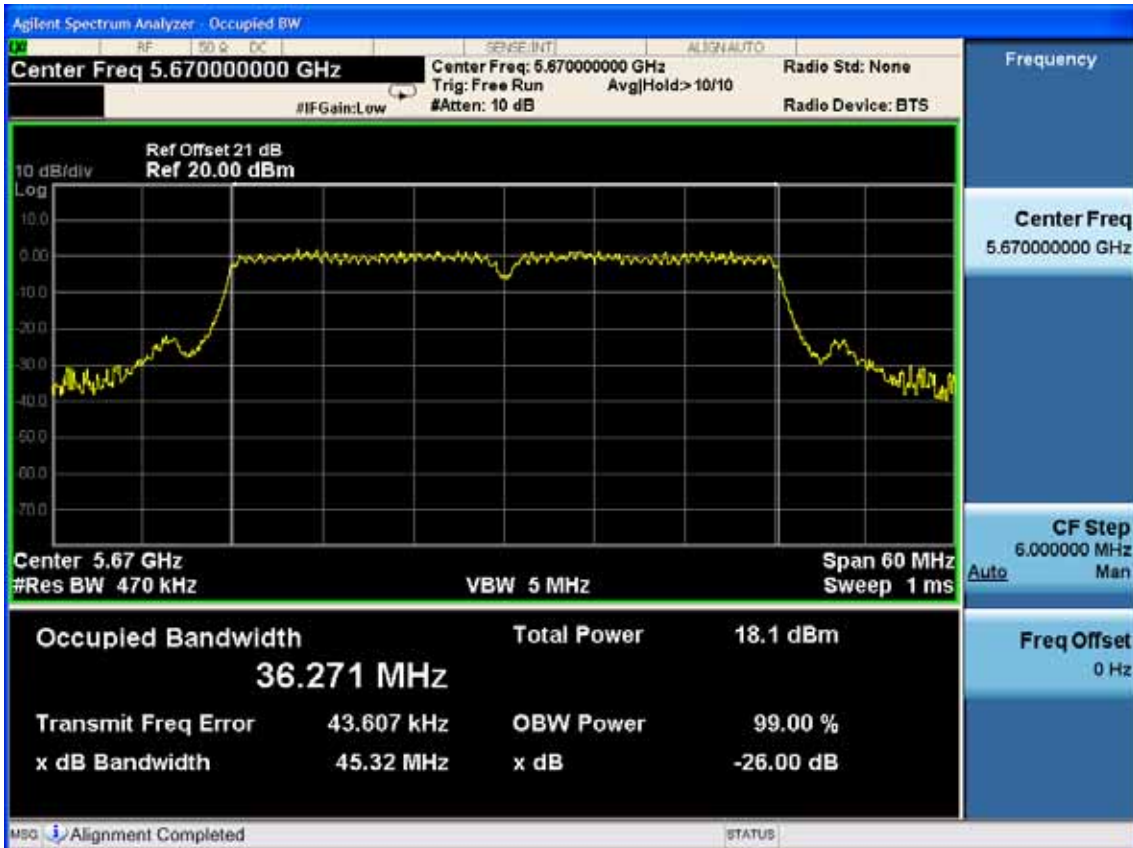
5700MHz



**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	1Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 13	1 Year
1.	Power Meter	Anritsu	ML2487A	6K00002472	May.08, 13	1Year
2.	Power Sensor	Anritsu	MA2491A	033005	May.08, 13	1Year

### 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  $4 \text{ dBm} + 10 \log B$ , 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  $11 \text{ dBm} + 10 \log B$ . 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 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 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 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 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	1Year
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	Frequency ( MHz )	Chain 0 (dBm/MHz)	Chain 1 (dBm/MHz)	Total ( dBm/MHz )	Limit ( 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					