

## 5.2G

EUT: 300M 2.4G&5G wireless adapter M/N: SC-1				
Test date: 2017-5-5		Test site: RF site		Tested by: Simple Guan
Mode	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (kHz)
		ANT0	ANT1	
IEEE 802.11 a with 5.2G	5180	20.22	20.17	N/A
	5200	21.23	19.83	N/A
	5240	21.47	26.46	N/A
IEEE 802.11 n/HT20 with 5.2G	5180	24.08	22.72	N/A
	5200	24.58	21.02	N/A
	5240	25.29	23.14	N/A
IEEE 802.11 n/HT40 with 5.2G	5190	56.47	45.53	N/A
	5230	47.81	43.45	N/A
Conclusion: PASS				

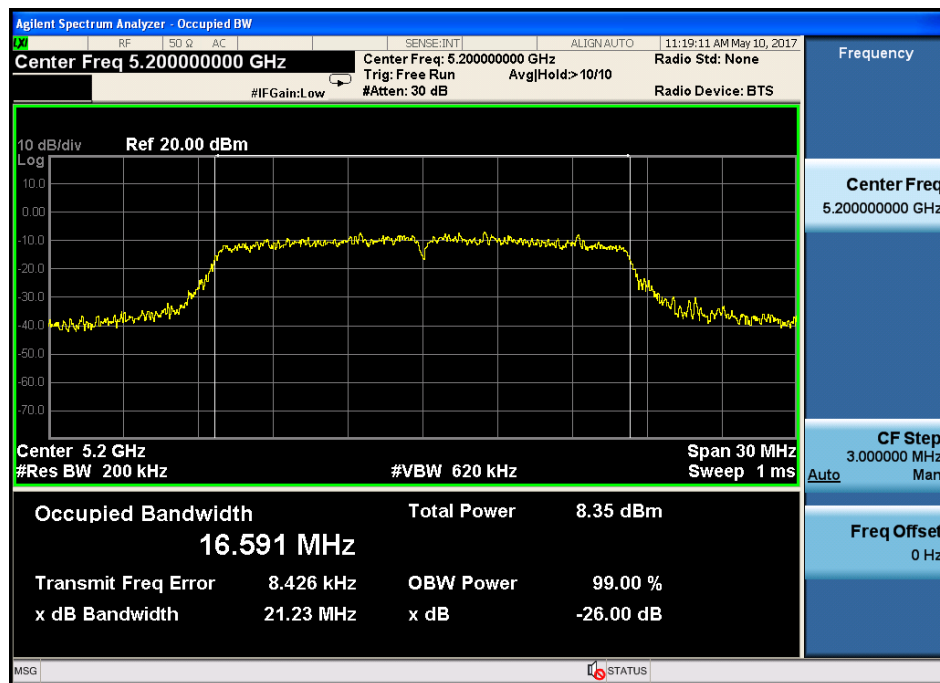
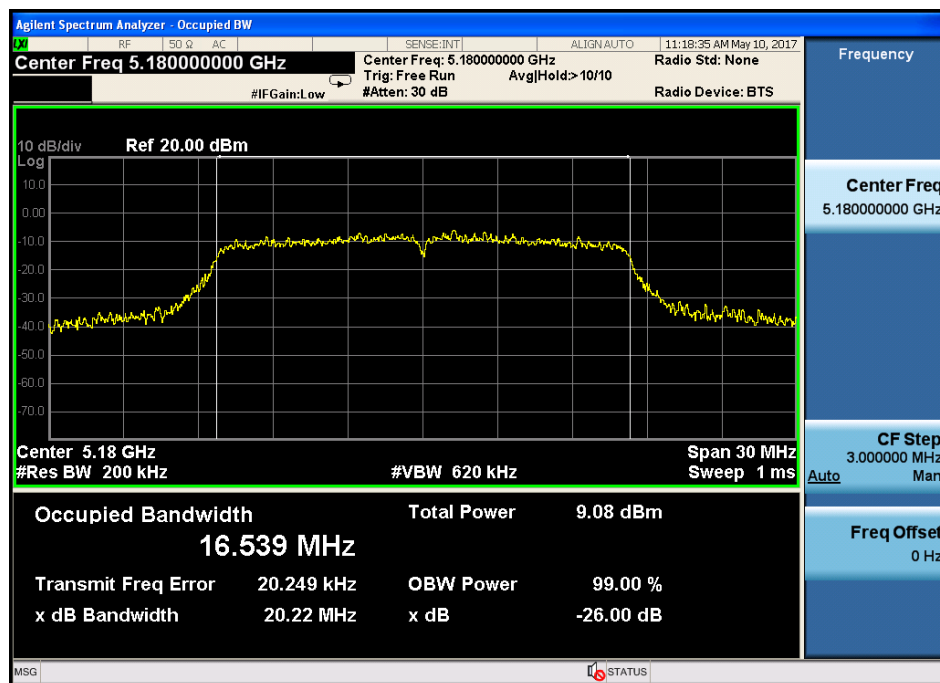
EUT: 300M 2.4G&5G wireless adapter M/N: SC-1				
Test date: 2017-5-5		Test site: RF site		Tested by: Simple Guan
Mode	Frequency (MHz)	99% Bandwidth (MHz)		Limit (kHz)
		ANT0	ANT1	
IEEE 802.11 a with 5.2G	5180	16.539	16.702	N/A
	5200	16.591	16.690	N/A
	5240	16.536	16.816	N/A
IEEE 802.11 n/HT20 with 5.2G	5180	17.756	17.741	N/A
	5200	17.787	17.758	N/A
	5240	17.781	17.778	N/A
IEEE 802.11 n/HT40 with 5.2G	5190	36.272	36.284	N/A
	5230	36.236	36.243	N/A
Conclusion: PASS				

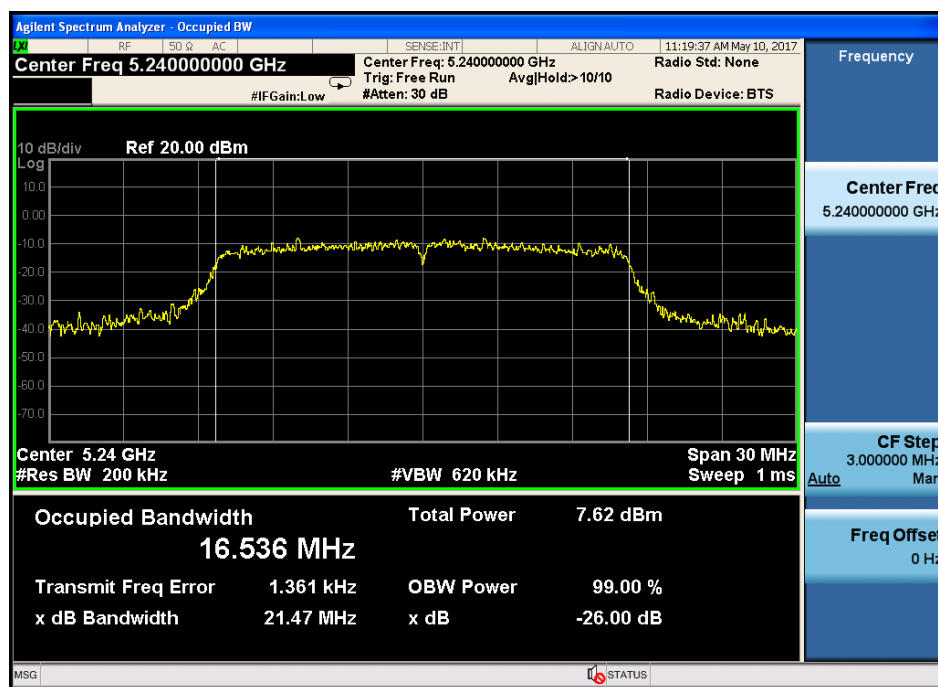
## 5.8G

EUT: 300M 2.4G&5G wireless adapter M/N: SC-1				
Test date: 2017-5-5		Test site: RF site		Tested by: Simple Guan
Mode	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (kHz)
		ANT0	ANT1	
IEEE 802.11 a with 5.8G	5745	19.66	19.21	N/A
	5785	19.24	19.40	N/A
	5825	19.38	19.36	N/A
IEEE 802.11 n/HT20 with 5.8G	5745	19.87	19.97	N/A
	5785	19.60	19.82	N/A
	5825	19.75	19.63	N/A
IEEE 802.11 n/HT40 with 5.8G	5755	39.79	39.80	N/A
	5795	39.60	39.50	N/A
Conclusion: PASS				

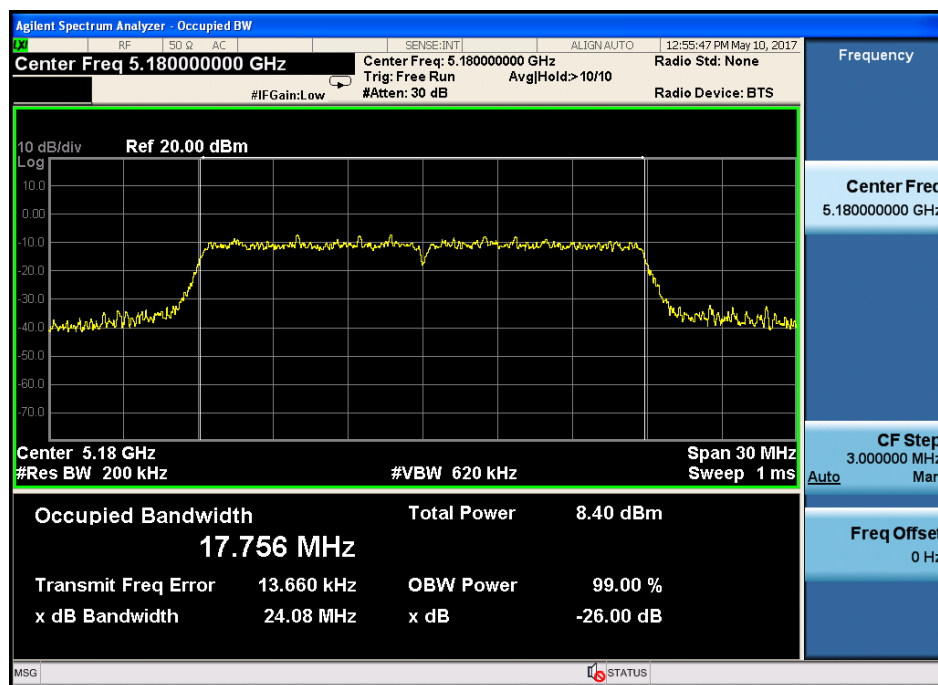
EUT: 300M 2.4G&5G wireless adapter M/N: SC-1				
Test date: 2017-5-5		Test site: RF site		Tested by: Simple Guan
Mode	Frequency (MHz)	99% Bandwidth (MHz)		Limit (kHz)
		ANT0	ANT1	
IEEE 802.11 a with 5.8G	5745	16.592	16.603	N/A
	5785	16.592	16.619	N/A
	5825	16.593	16.579	N/A
IEEE 802.11 n/HT20 with 5.8G	5745	17.718	17.724	N/A
	5785	17.684	17.719	N/A
	5825	17.698	17.688	N/A
IEEE 802.11 n/HT40 with 5.8G	5755	36.177	36.181	N/A
	5795	36.161	36.130	N/A
Conclusion: PASS				

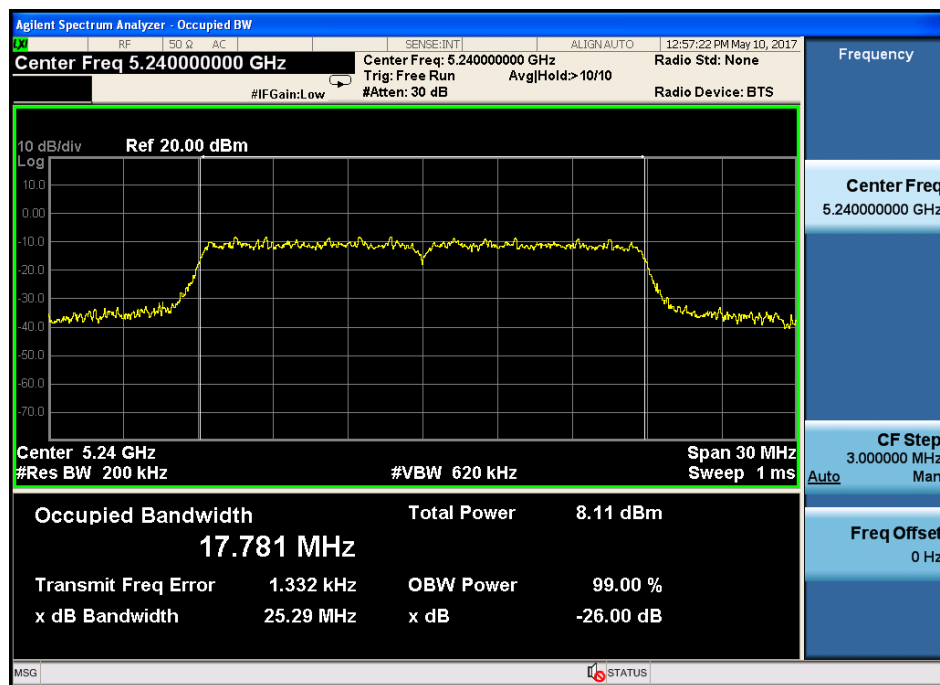
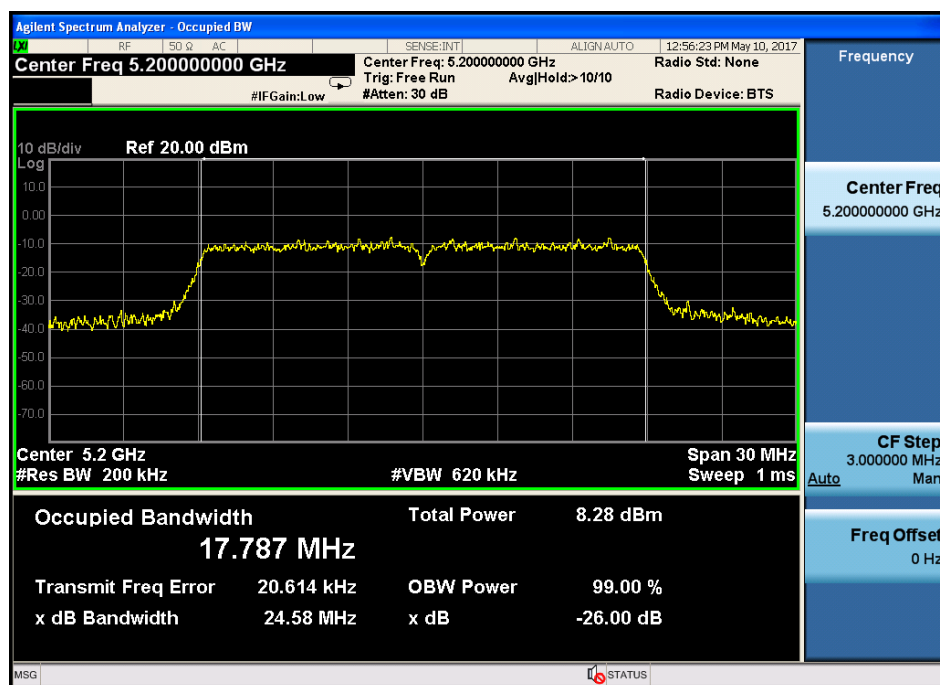
EUT: 300M 2.4G&5G wireless adapter M/N: SC-1				
Test date: 2017-5-5		Test site: RF site		Tested by: Simple Guan
Mode	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (kHz)
		ANT0	ANT1	
IEEE 802.11 a with 5.8G	5745	16.36	16.39	$\geq 500\text{KHz}$
	5785	16.38	16.35	$\geq 500\text{KHz}$
	5825	16.36	16.36	$\geq 500\text{KHz}$
IEEE 802.11 n/HT20 with 5.8G	5745	17.60	17.58	$\geq 500\text{KHz}$
	5785	17.61	17.59	$\geq 500\text{KHz}$
	5825	17.67	17.60	$\geq 500\text{KHz}$
IEEE 802.11 n/HT40 with 5.8G	5755	36.041	36.05	$\geq 500\text{KHz}$
	5795	36.082	36.03	$\geq 500\text{KHz}$
Conclusion: PASS				

5.2G ANT 0  
IEEE 802.11a

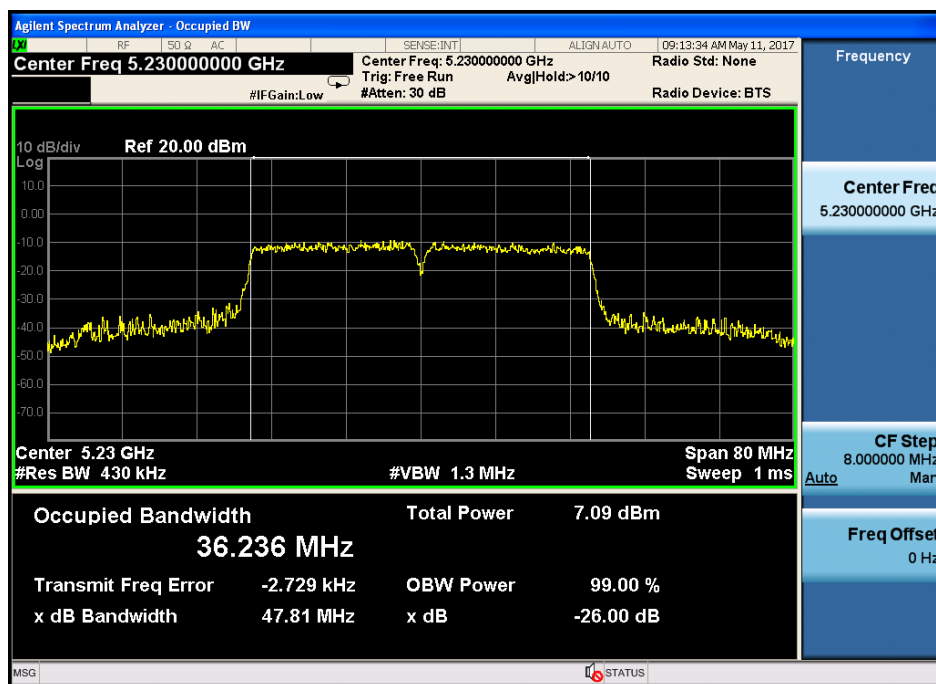
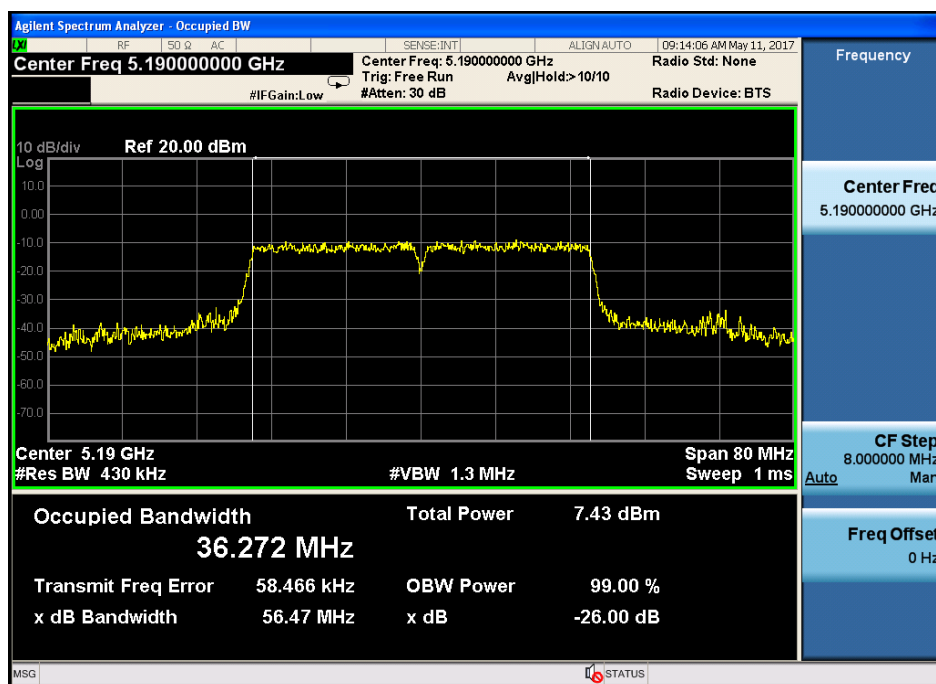


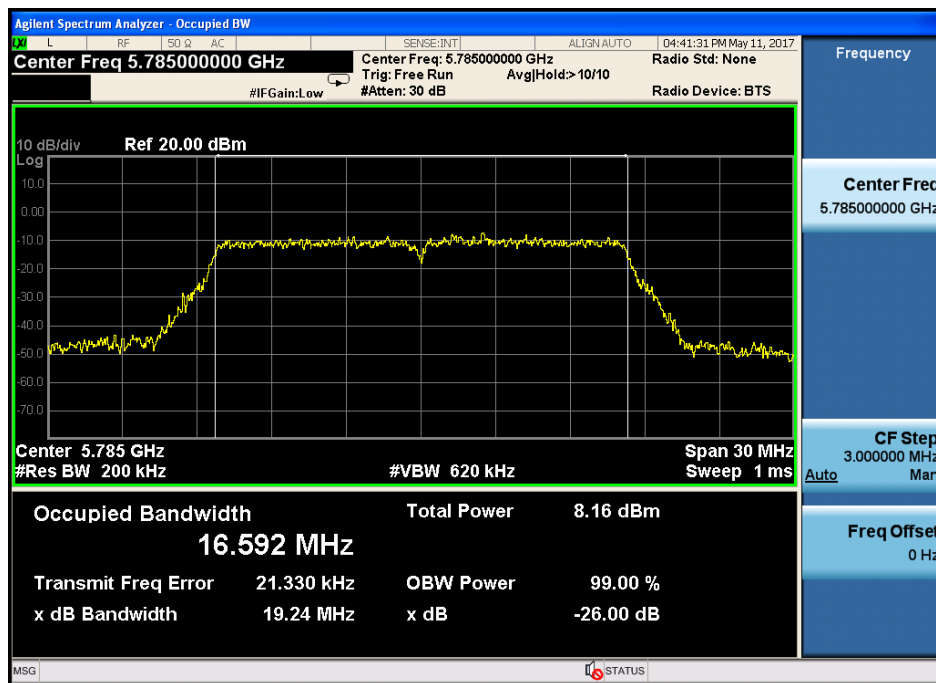
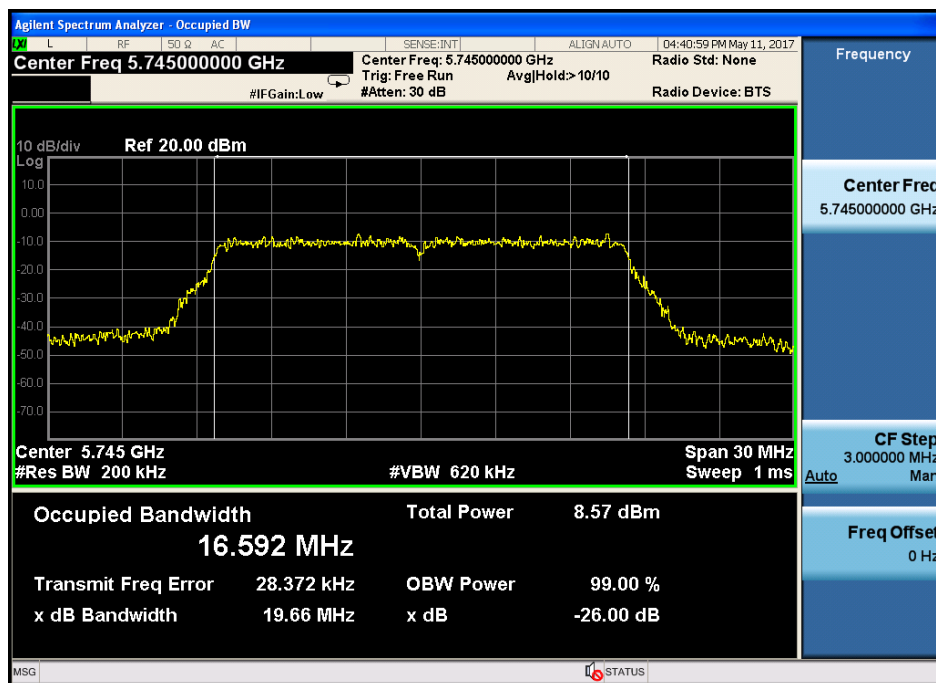
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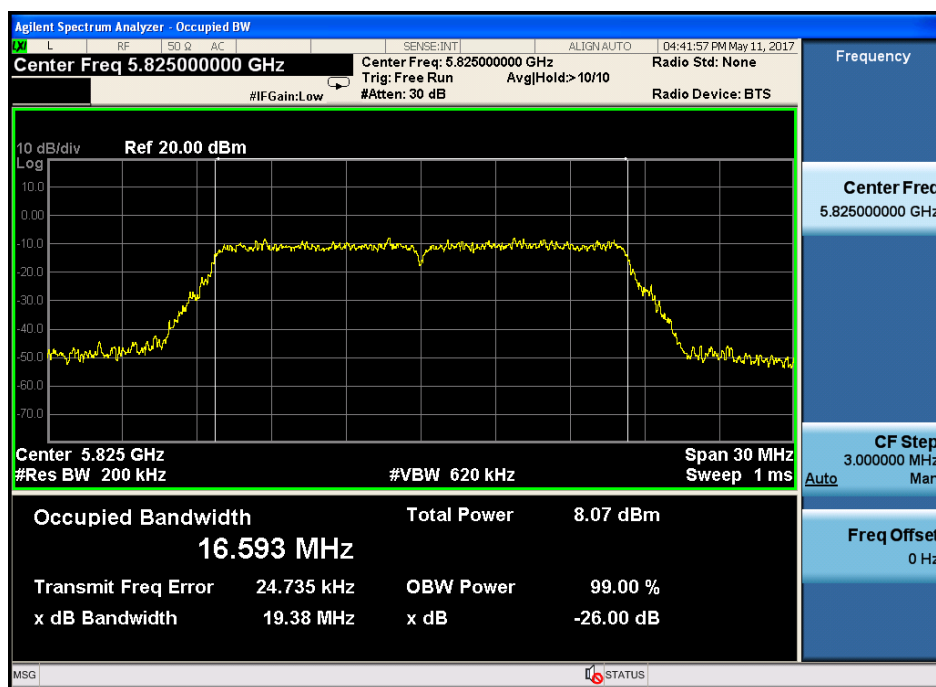


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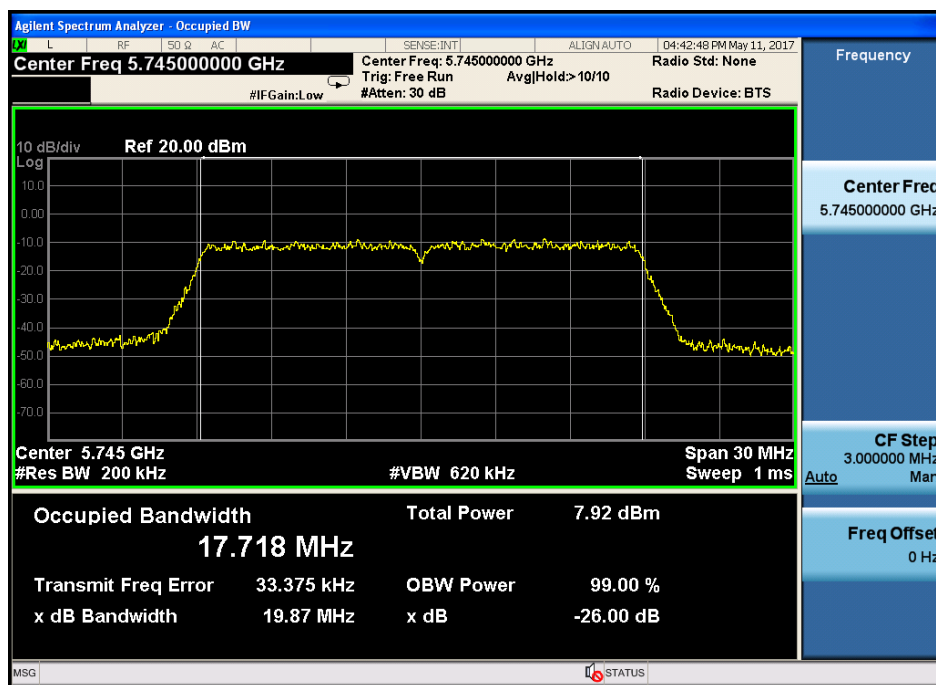


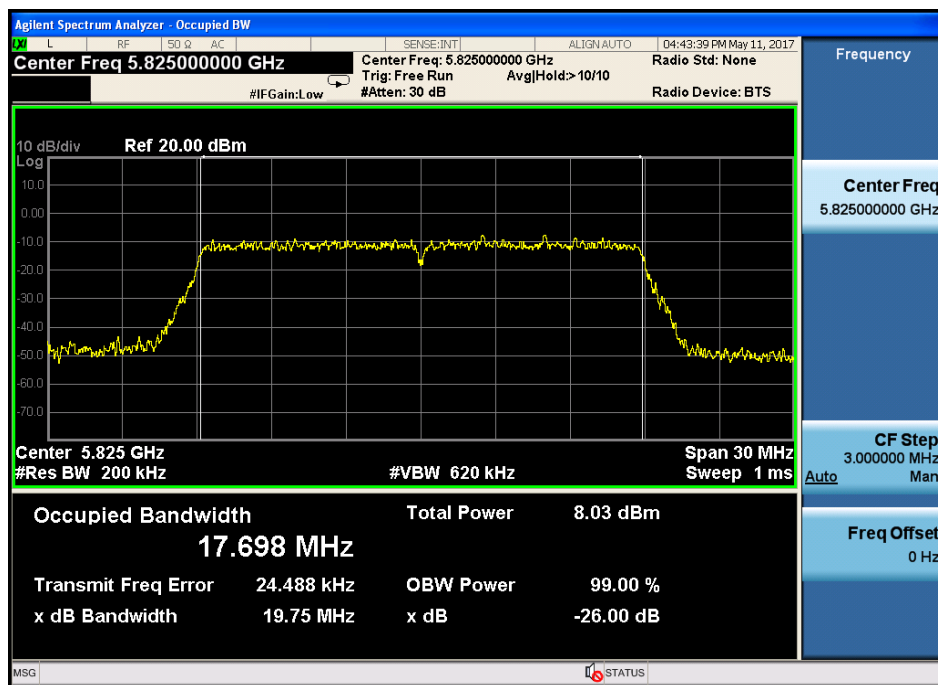
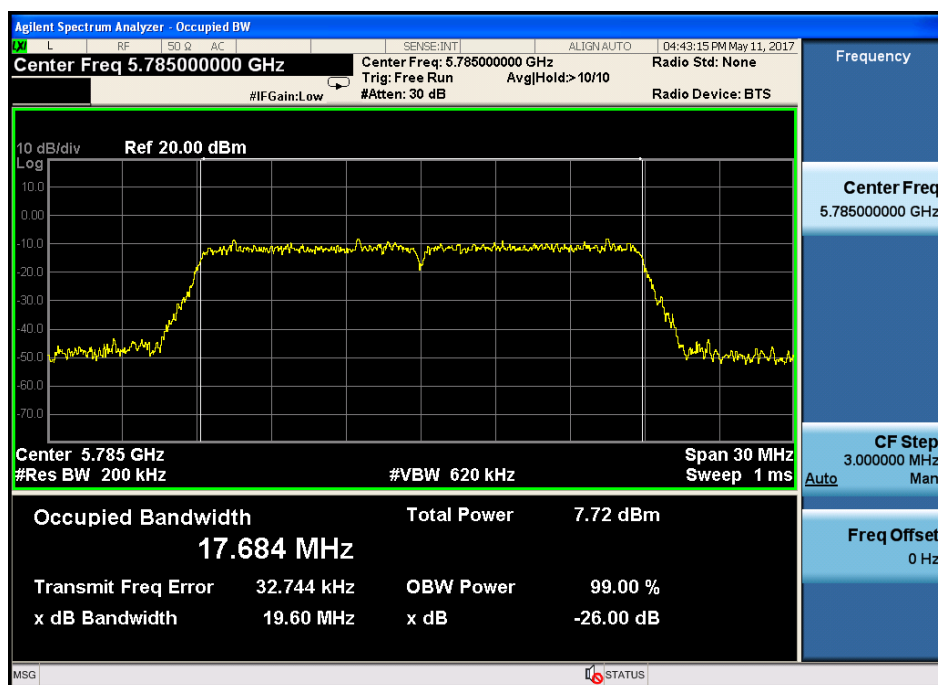
5.8 ANT 0  
IEEE 802.11a



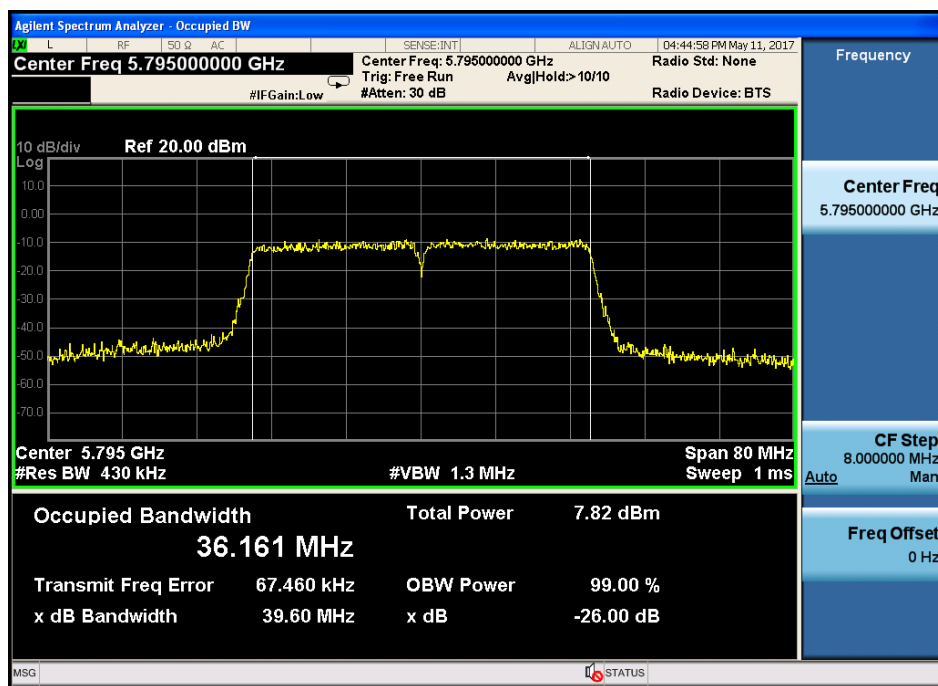
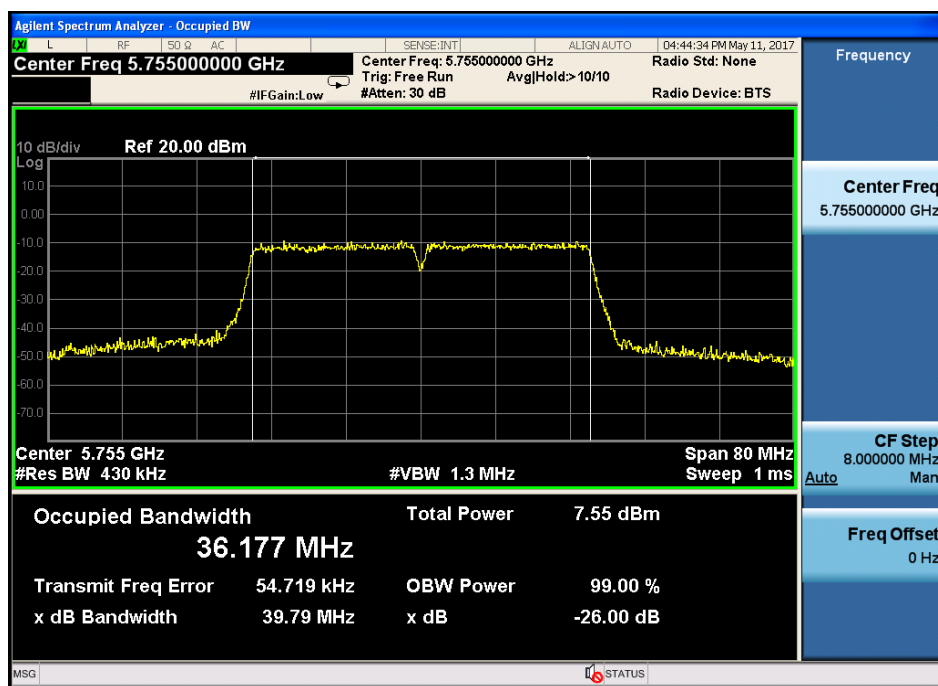


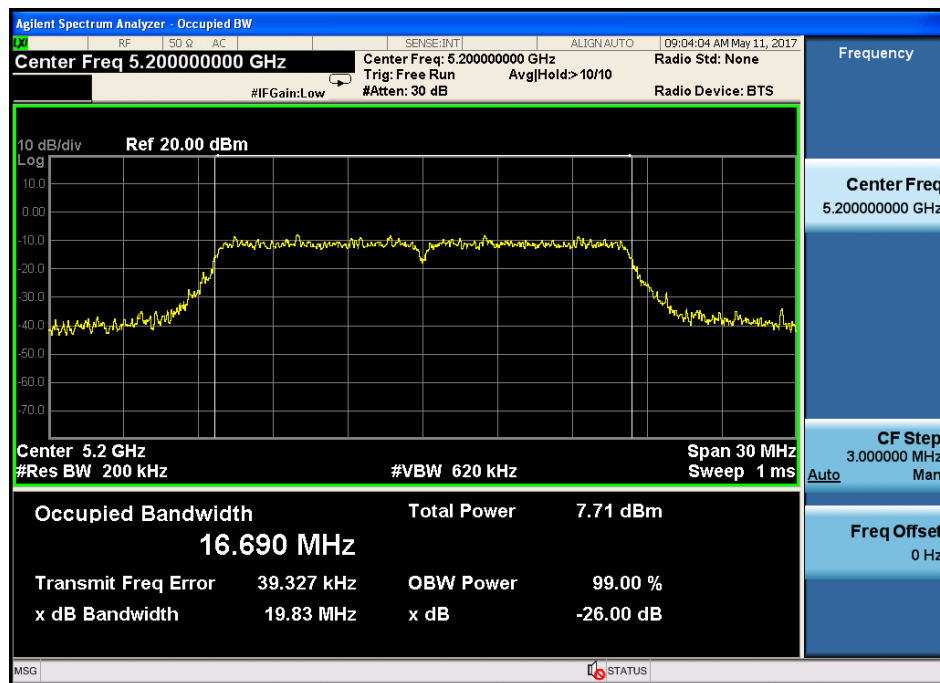
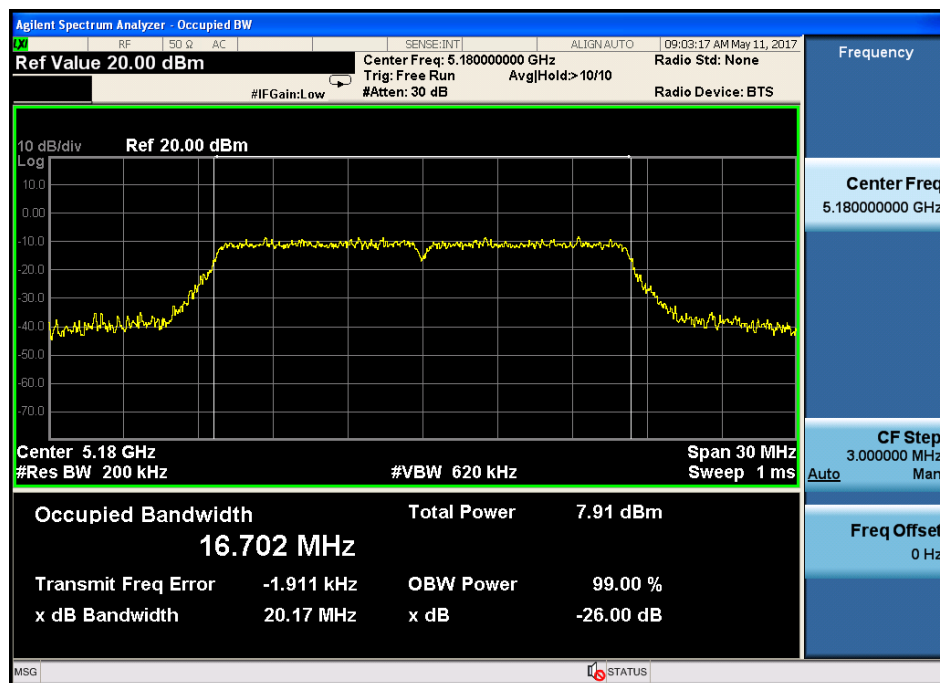
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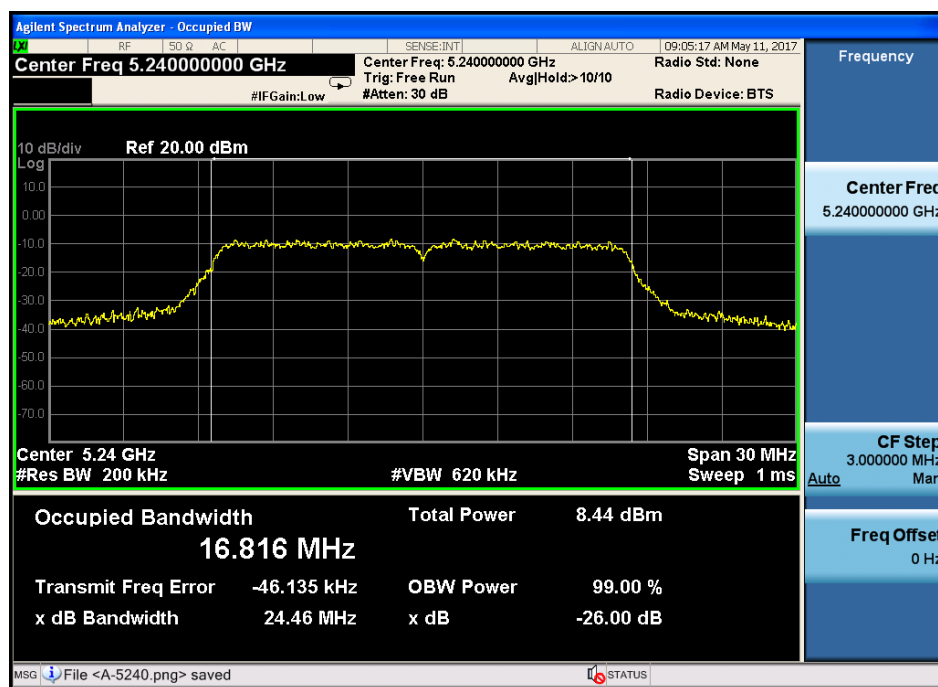




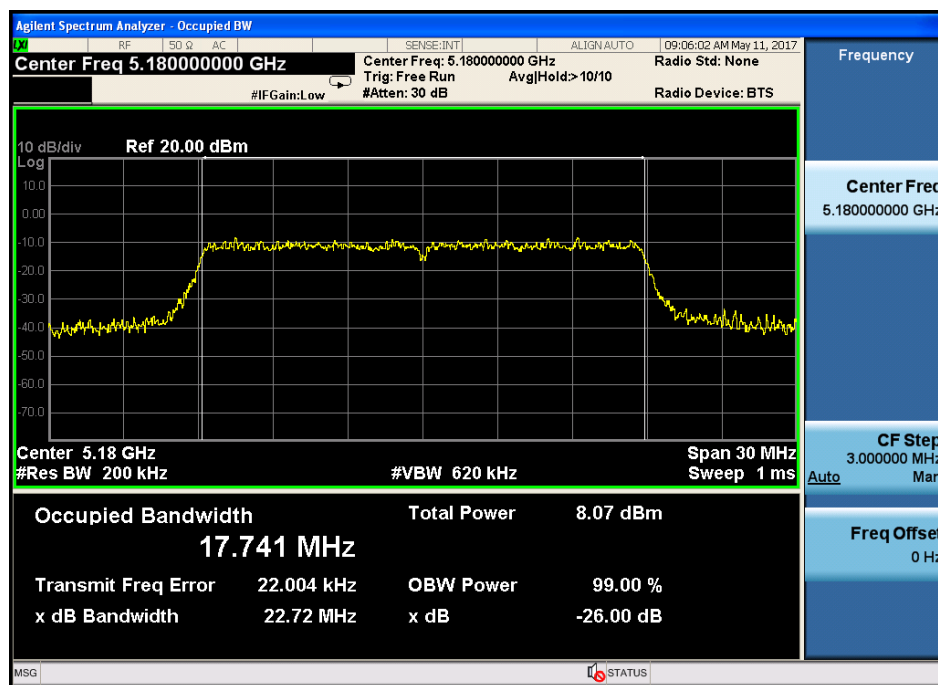
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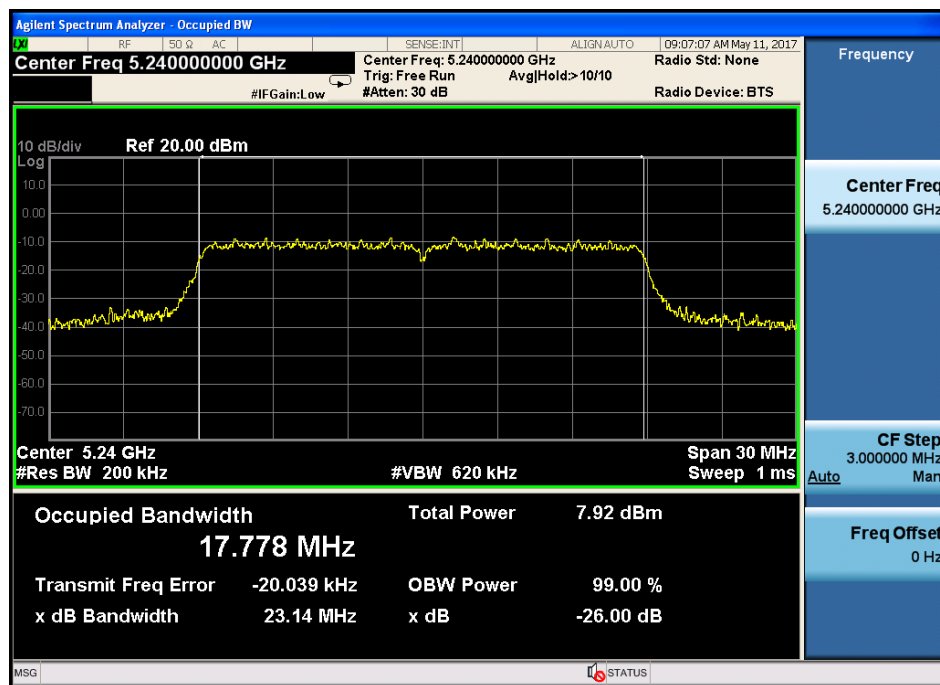
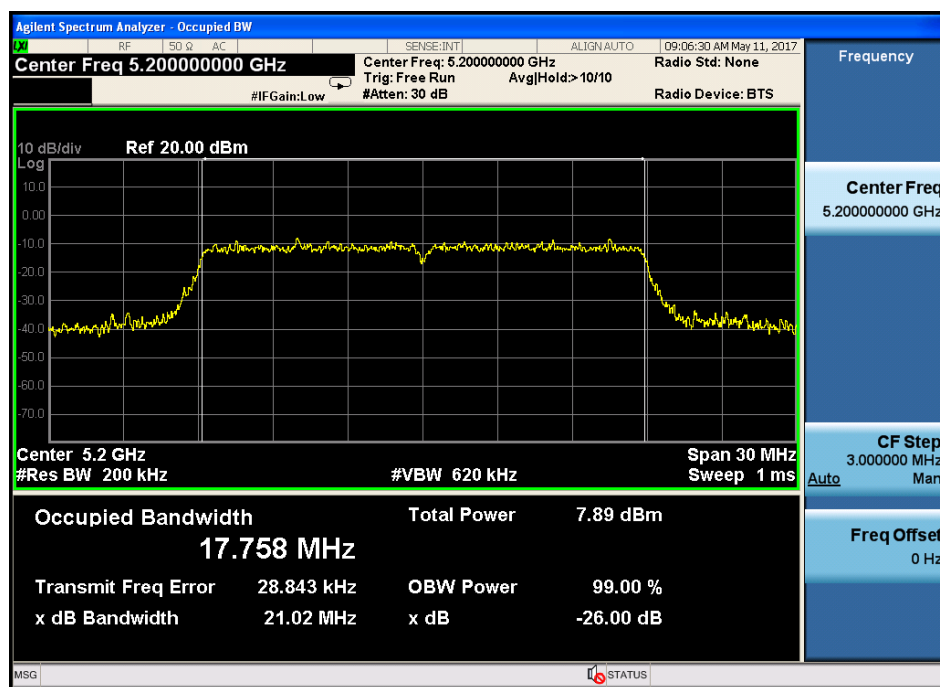


5.2G ANT 1  
IEEE 802.11a

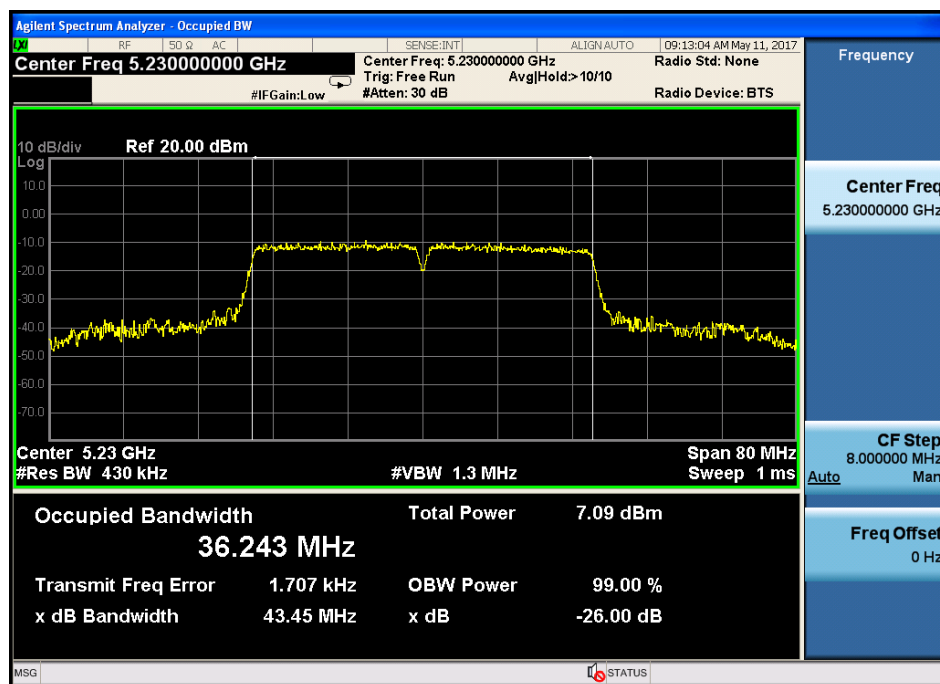
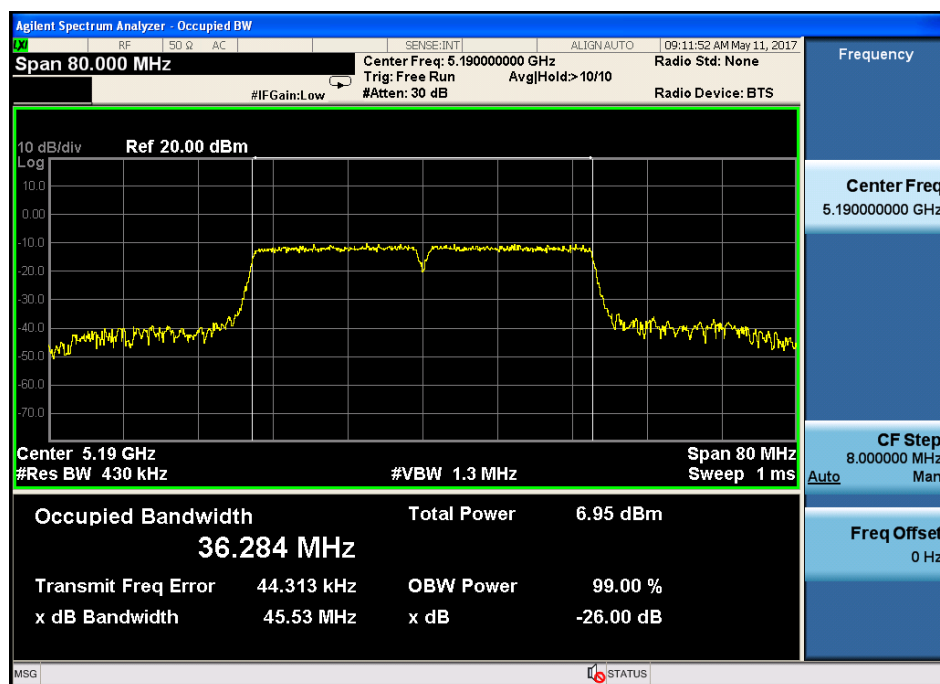


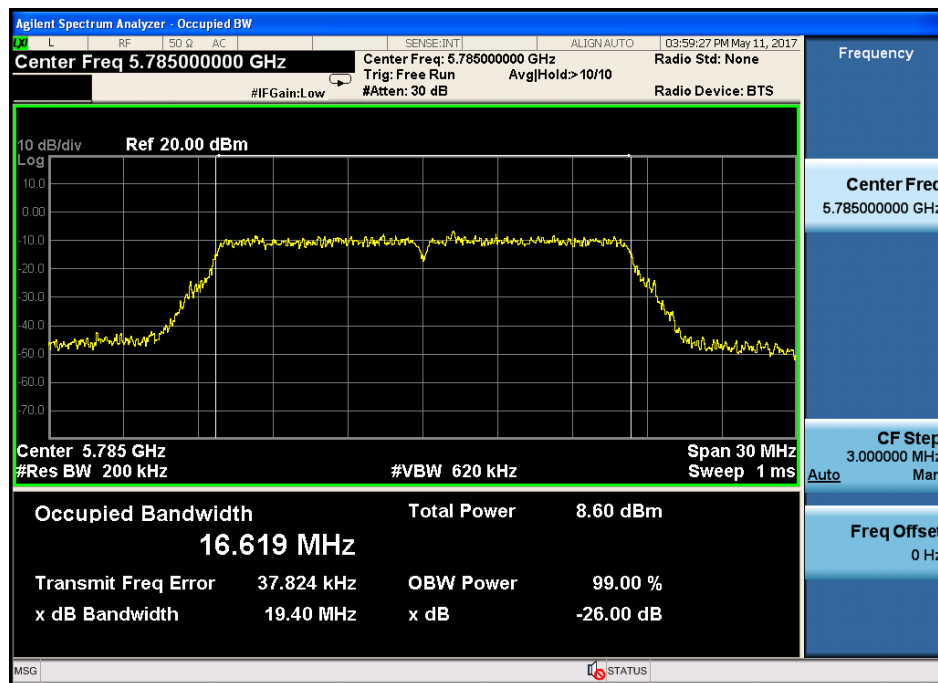
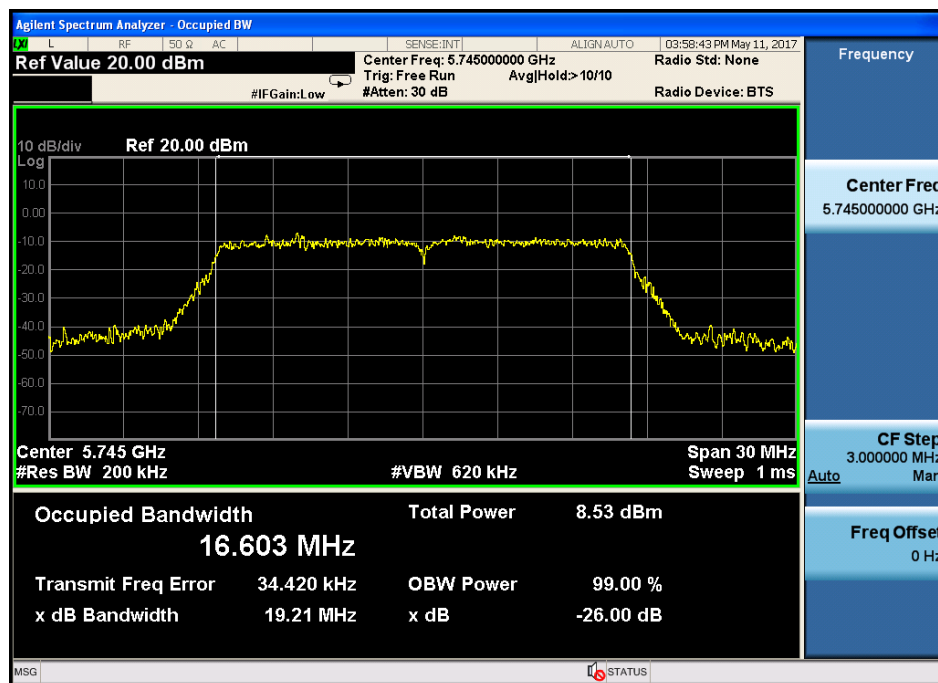
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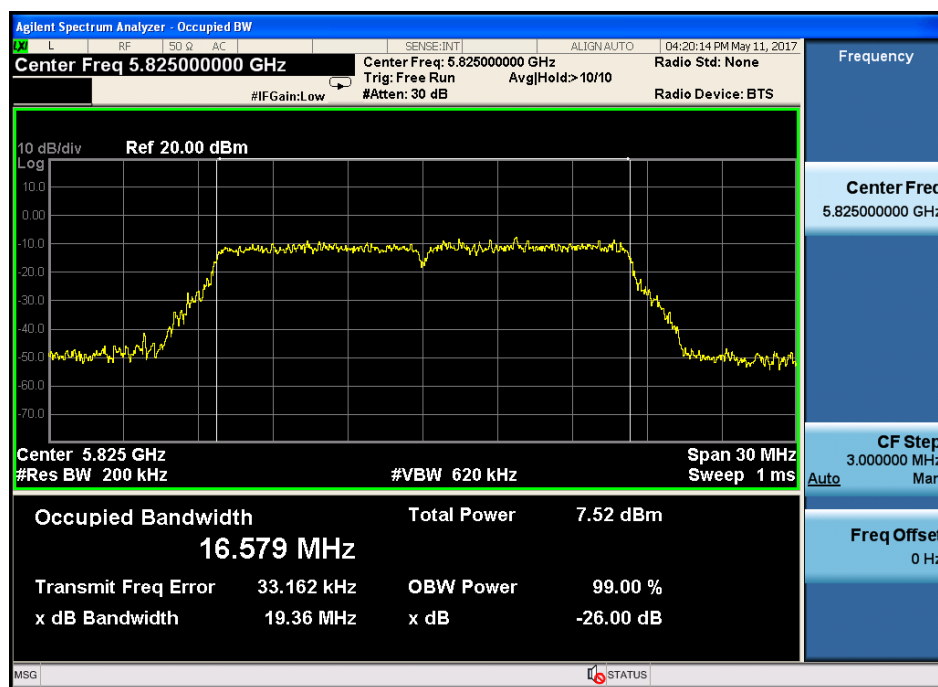


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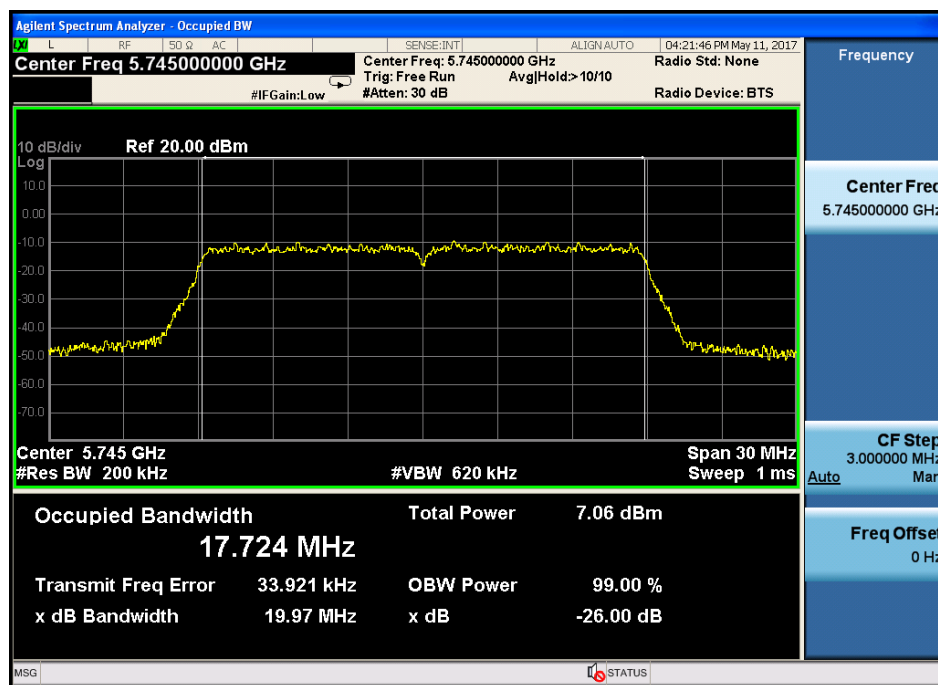


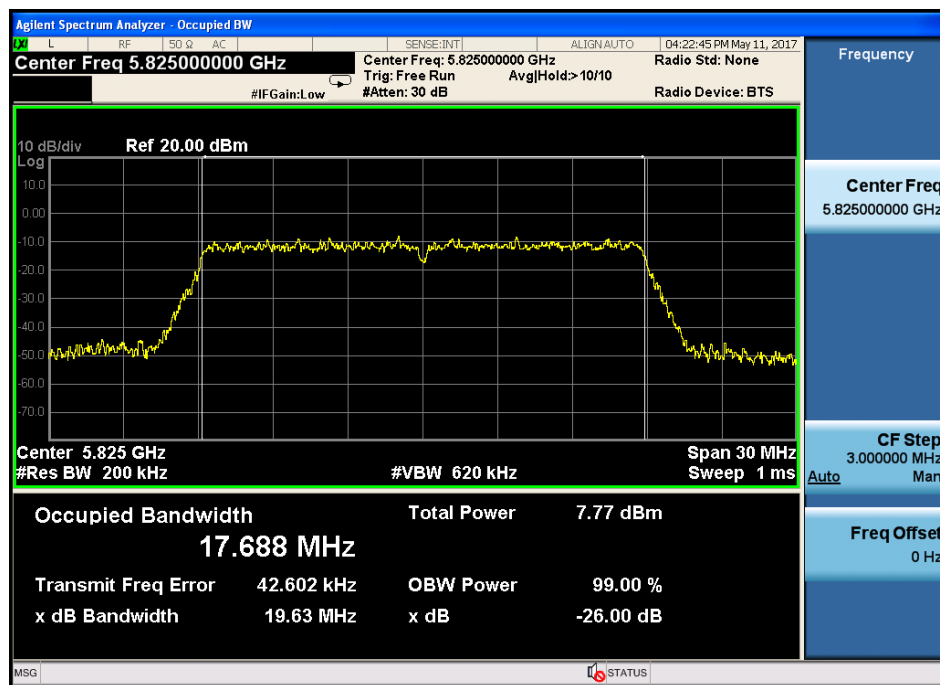
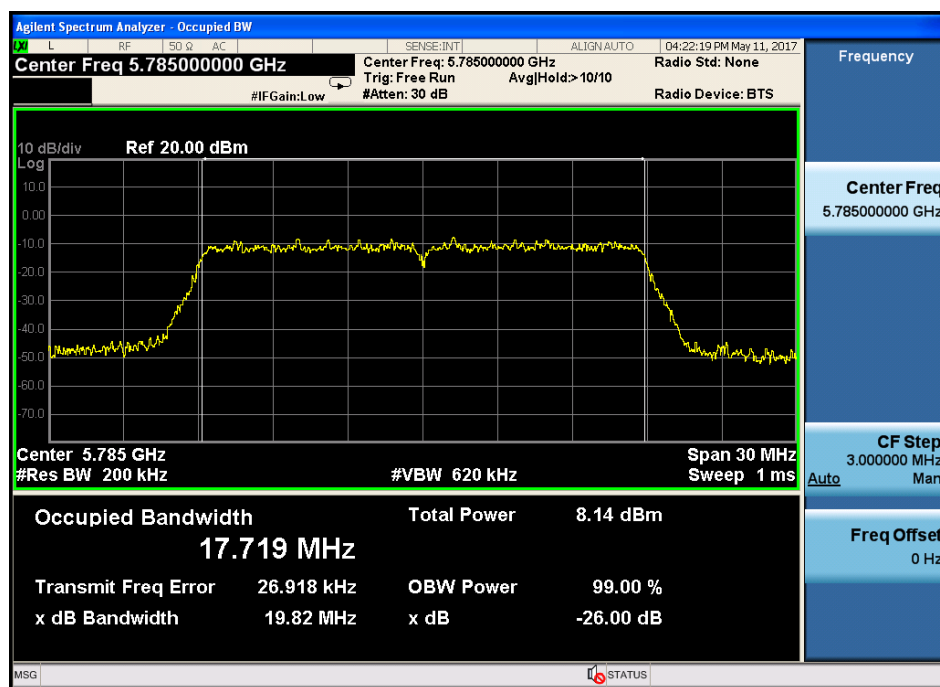
5.8 ANT 1  
IEEE 802.11a



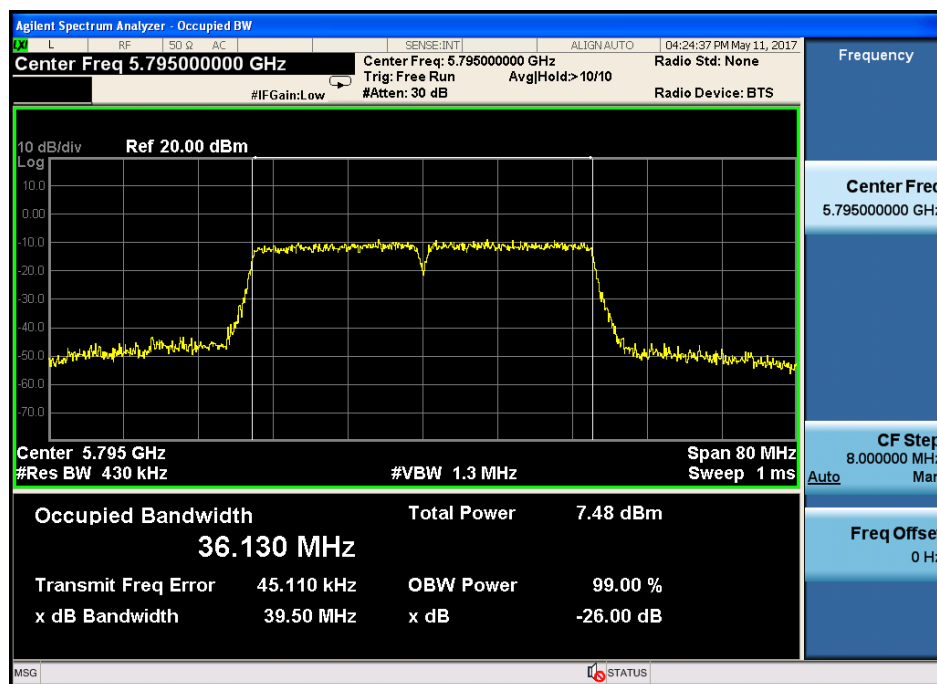
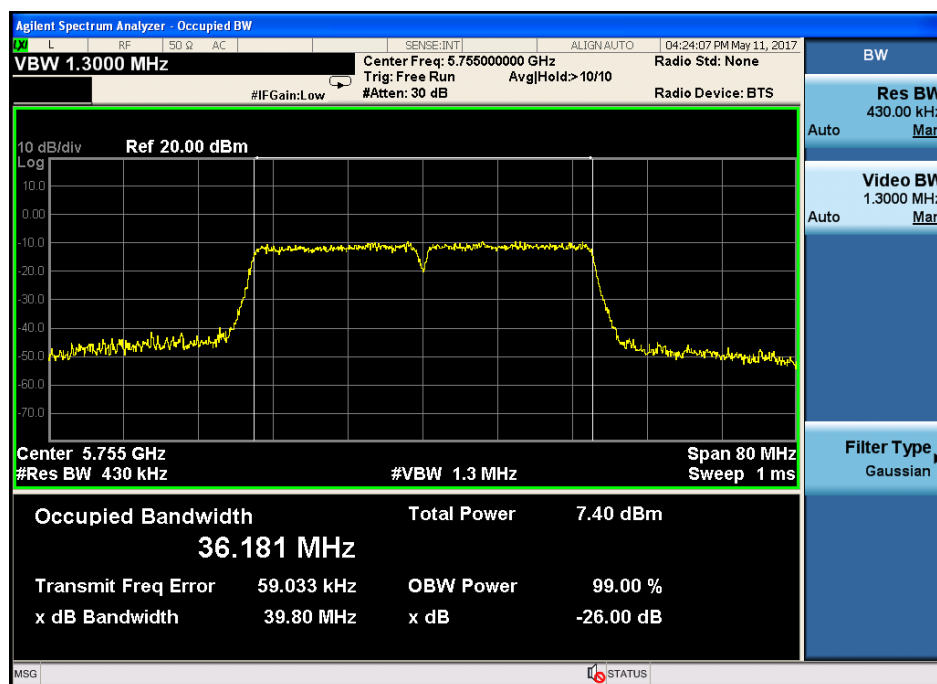


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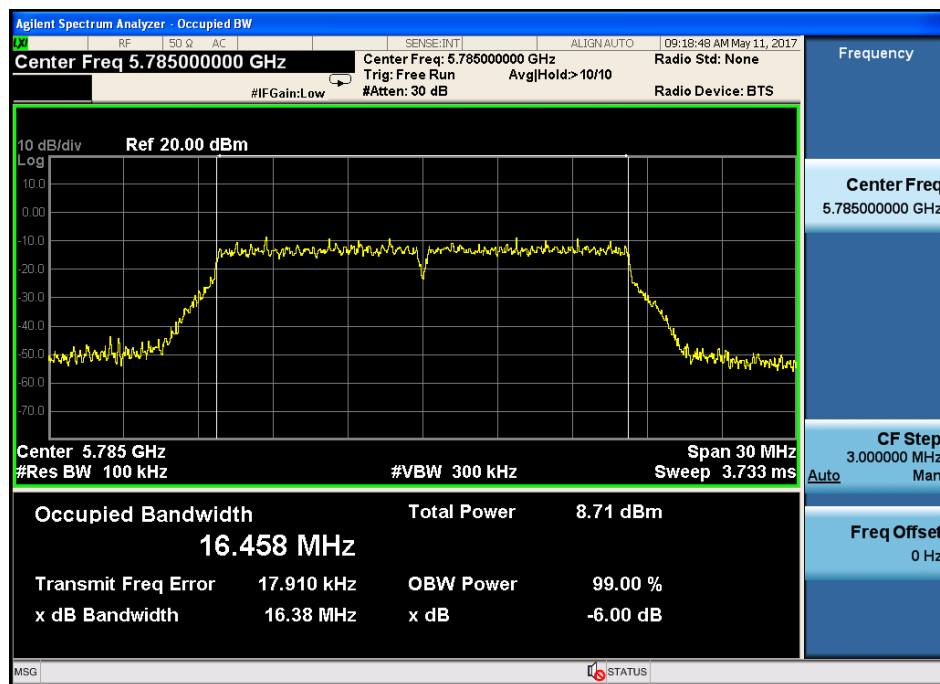
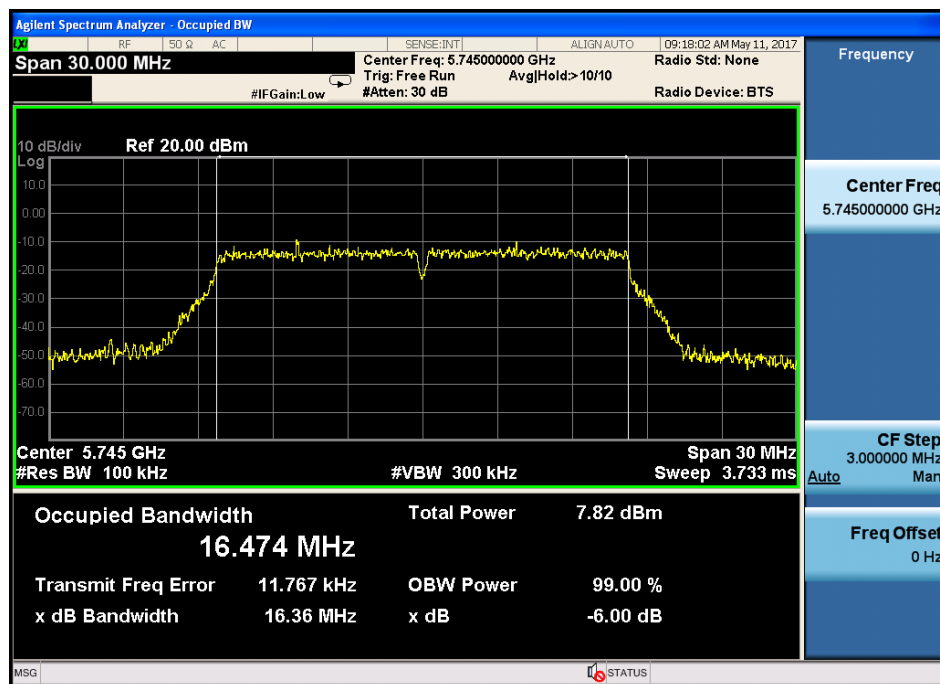


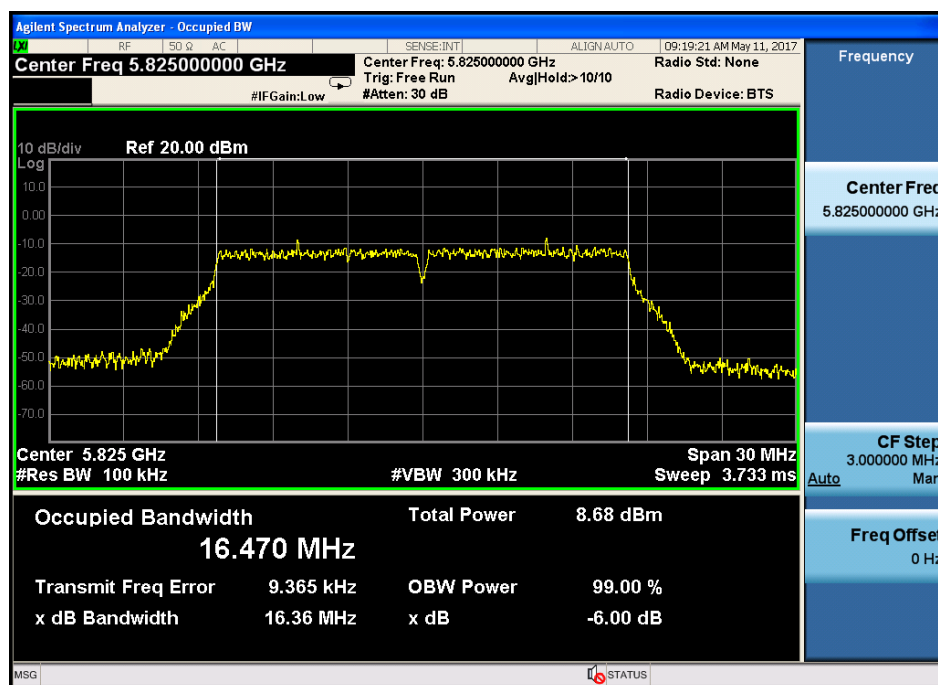


IEEE 802.11n HT40:

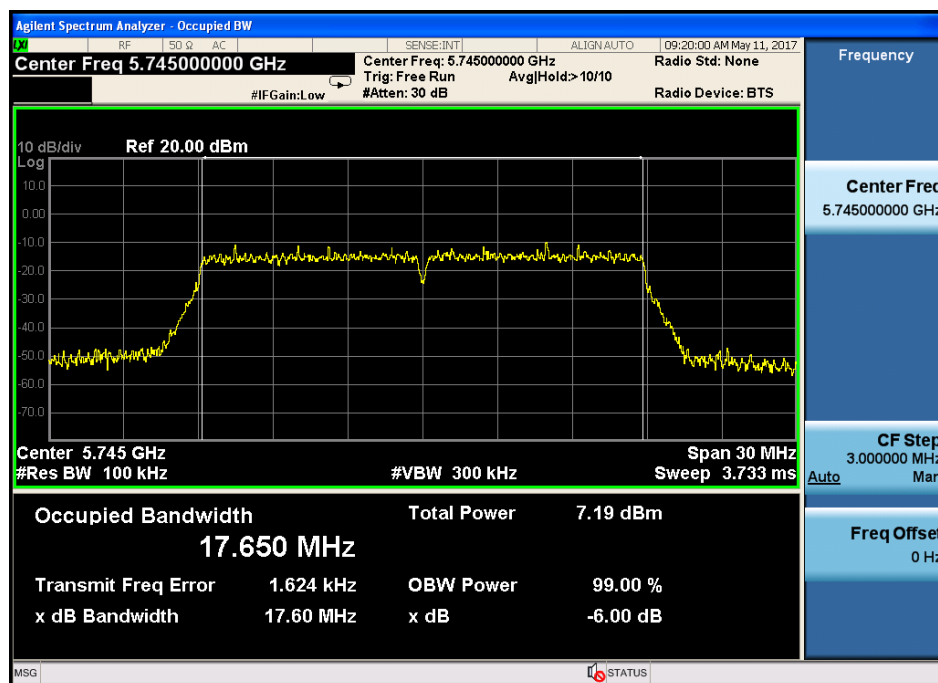


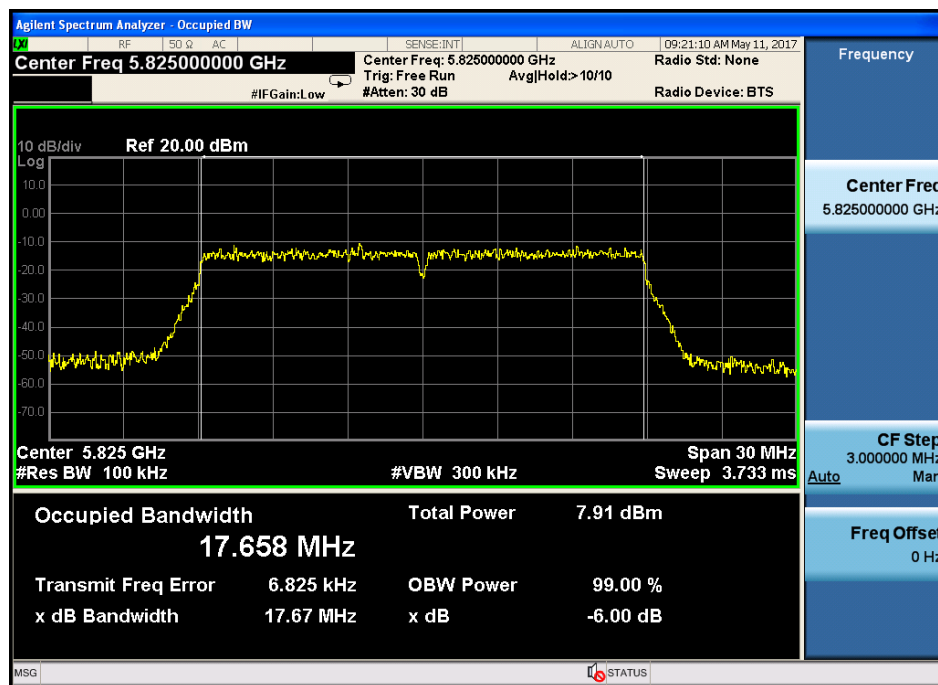
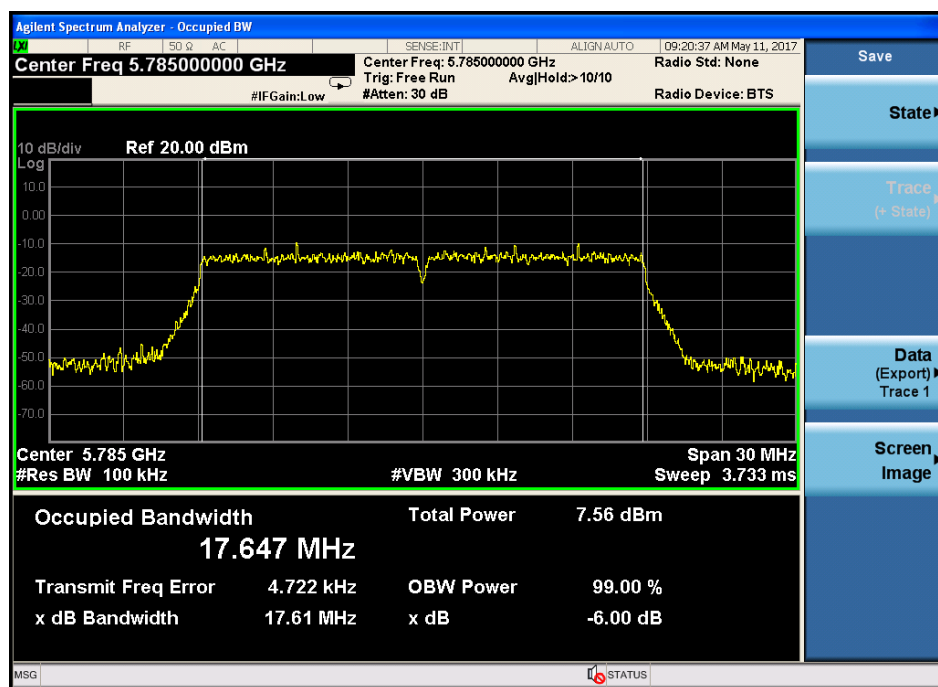
6dB Band width 5.8 ANT 0  
IEEE 802.11a



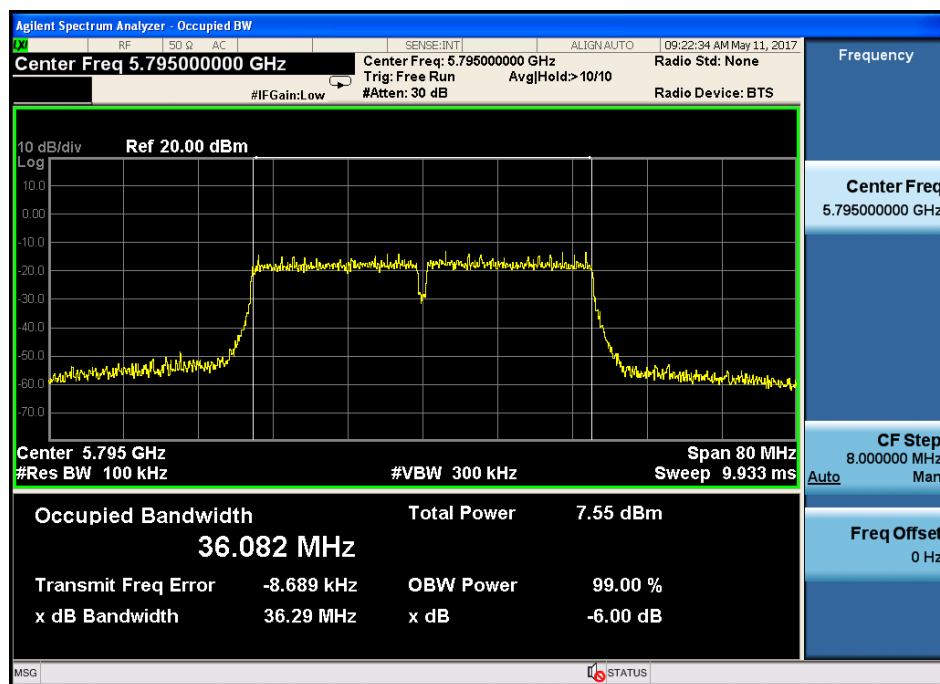
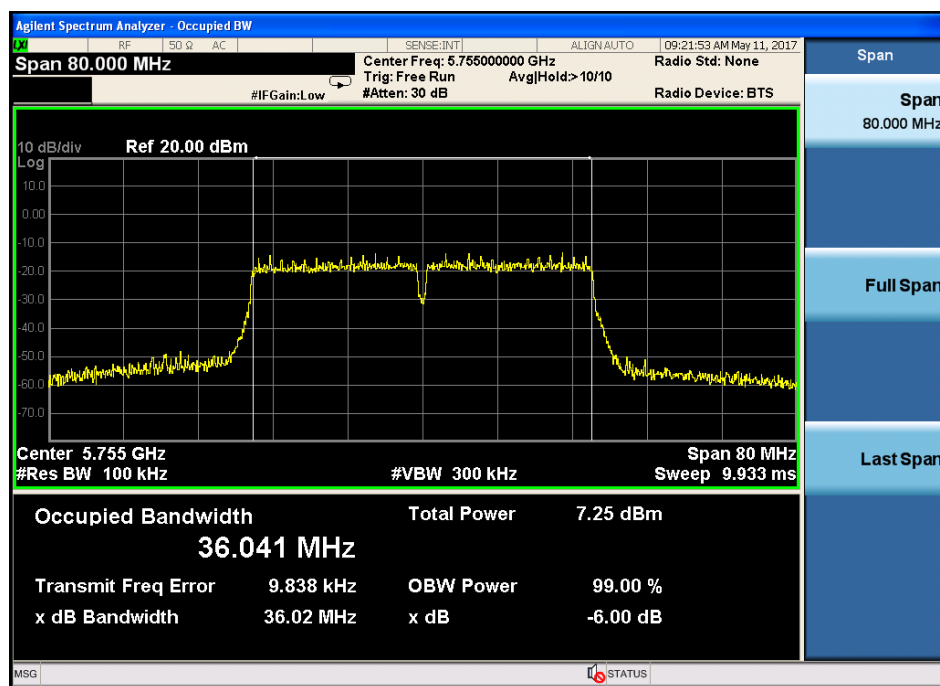


IEEE 802.11n HT20:

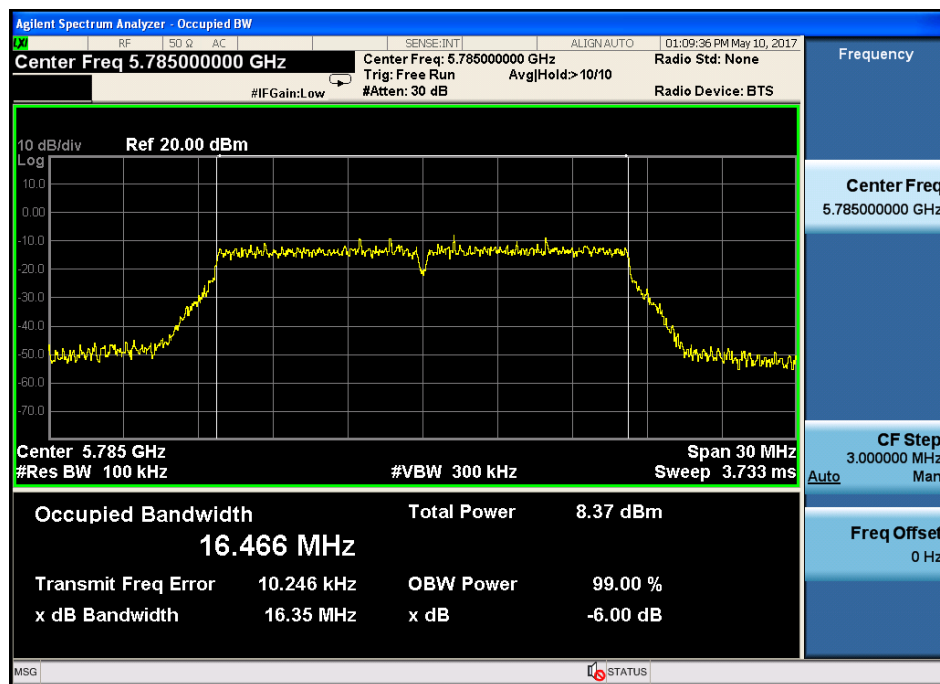
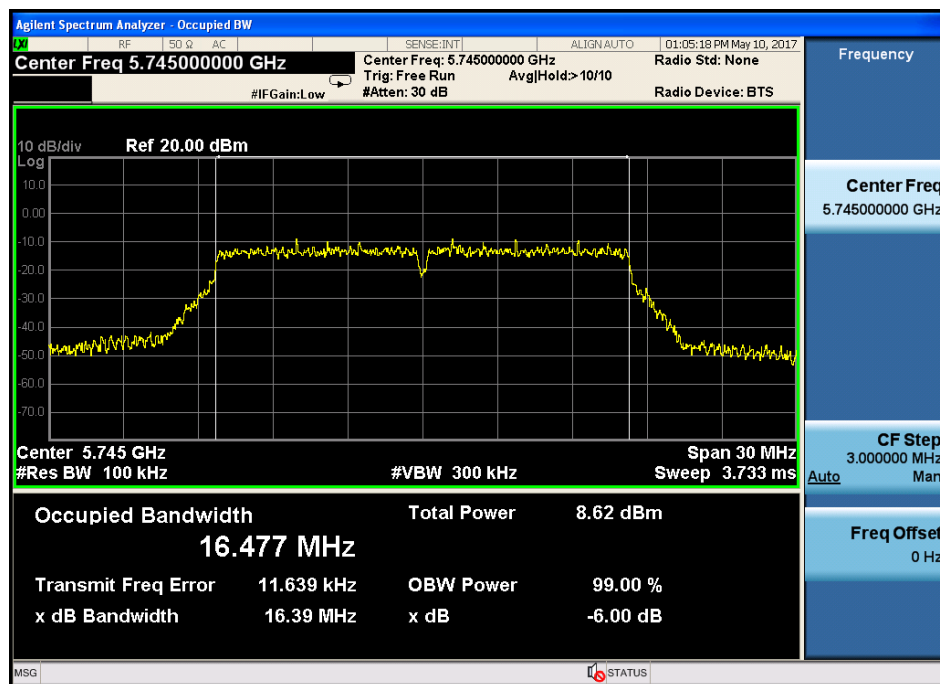




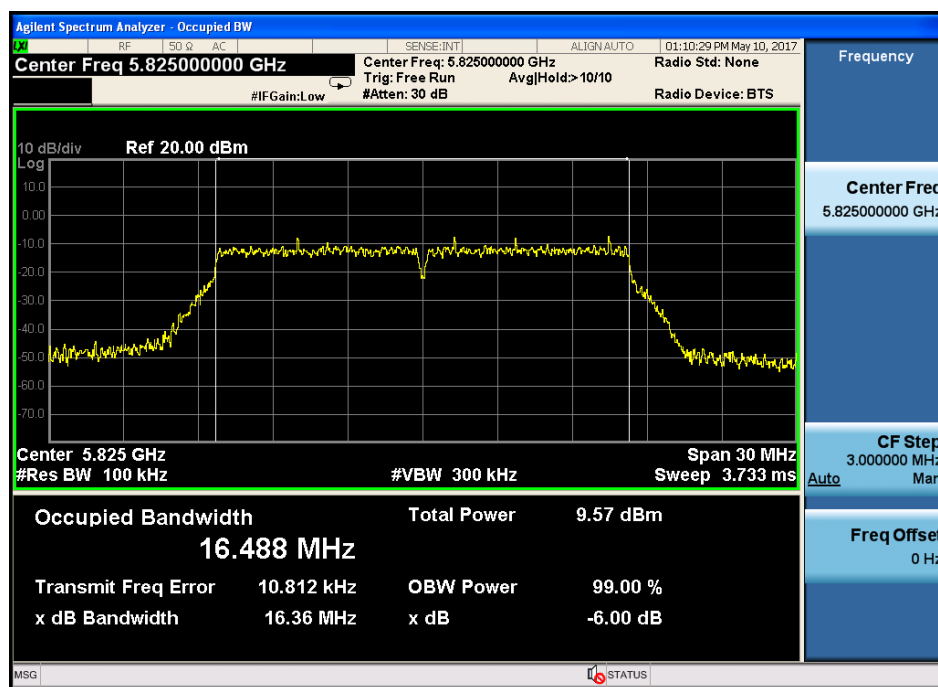
IEEE 802.11n HT40:



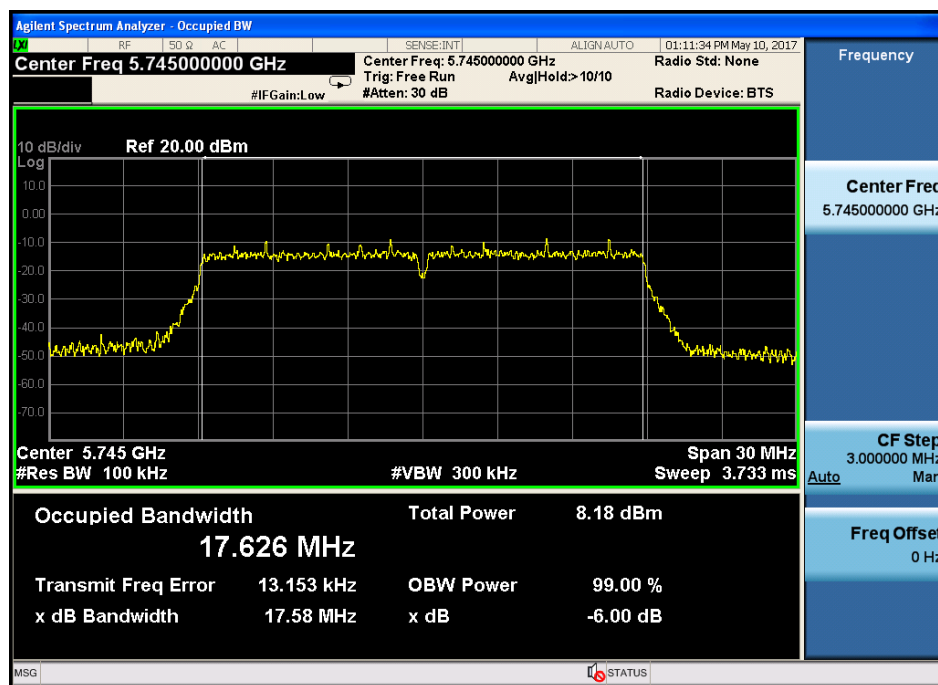
6dB Band width 5.8 ANT 1  
IEEE 802.11a

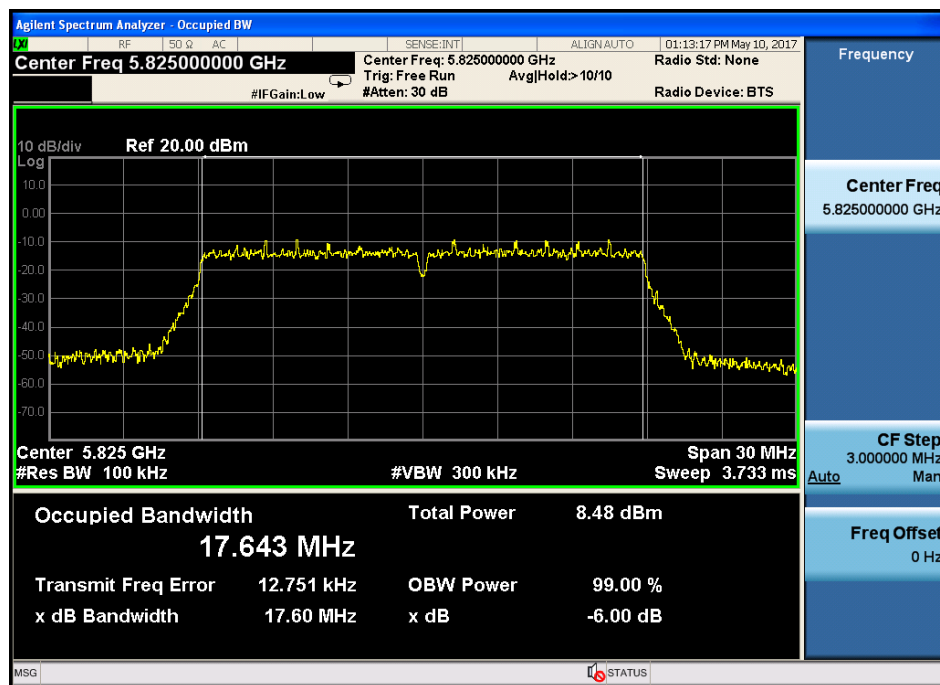
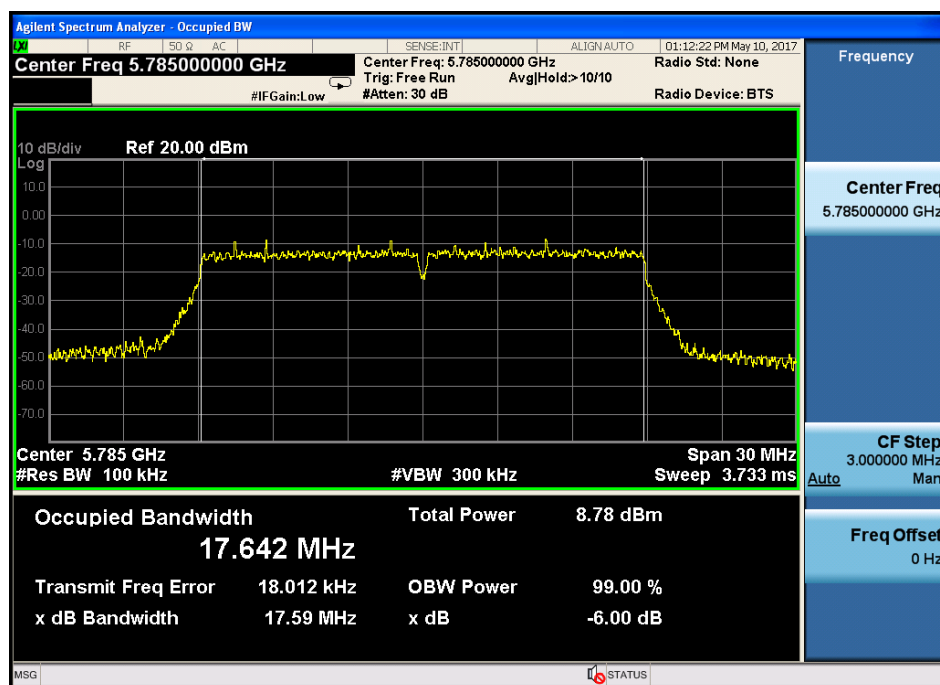




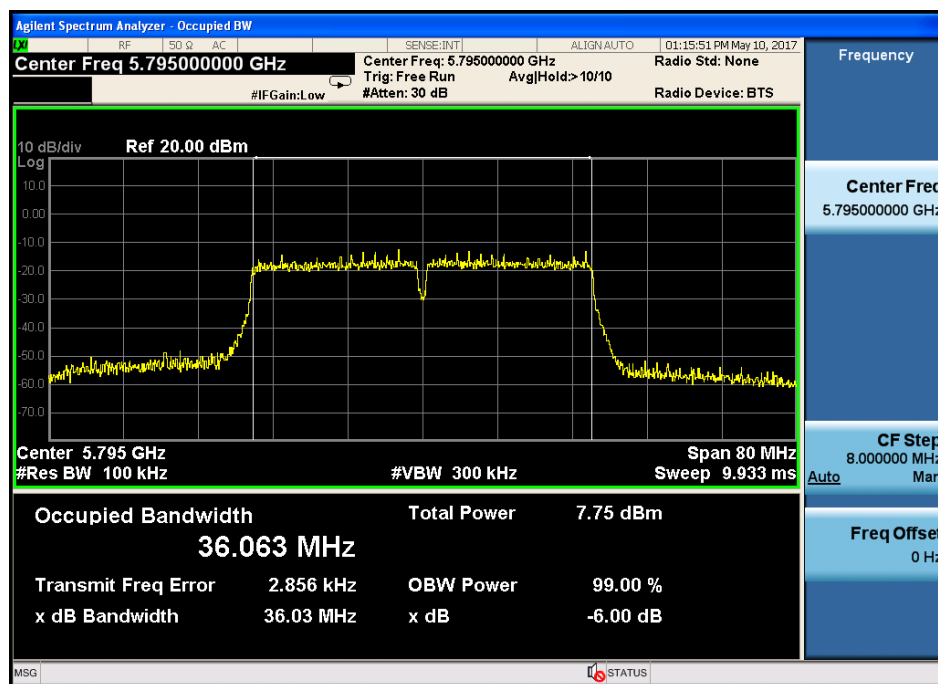
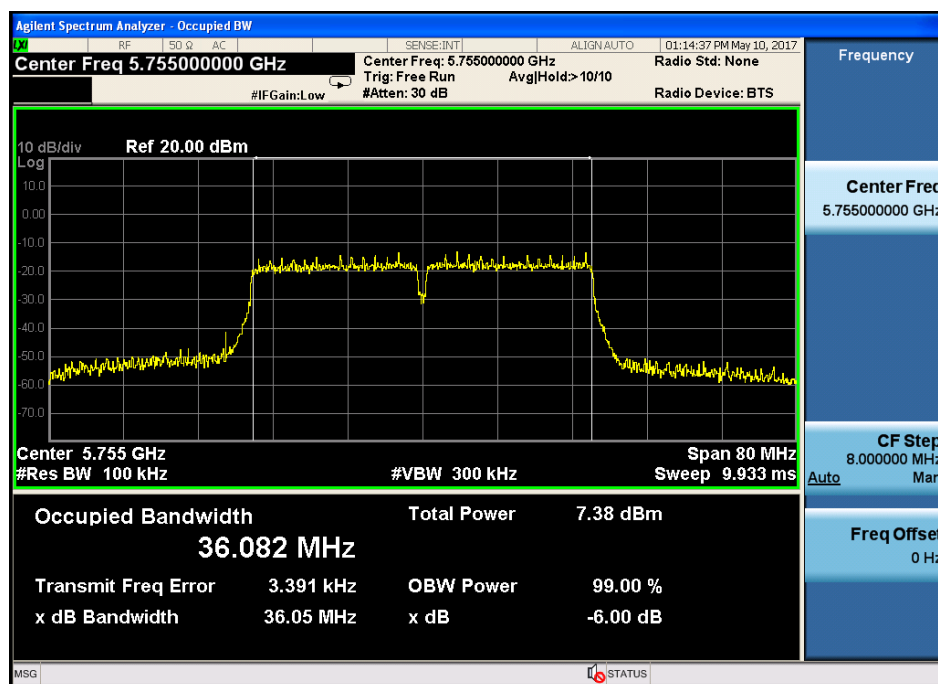


IEEE 802.11n HT20:





IEEE 802.11n HT40:



## 10 Undesirable emission

### 10.1 Test limit

Except as shown in paragraph (7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of  $-17$  dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits

### 10.2 Test Procedure

- 12.2.1 Put the EUT on a 0.8m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission
- 12.2.2 Check the spurious emissions out of band.
- 12.2.3 RBW 1MHz ,VBW 3MHz ,peak detector for peak value , RBW 1MHz ,VBW 3MHz , RMS detector for AV value.

### 10.3 Test Setup

Same as 5.2.2.

## 10.4 Test Result

**PASS.**

Detailed information please see the following page.

5.2G Band

Radiated Method:

IEEE 802.11a CH LOW

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX Low								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5150	42.38	31.65	5.92	33.9	46.05	68.2	22.15	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5150	43.11	31.65	5.92	33.9	46.78	68.2	21.42	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】=E 【dBuV/m】-95.2, thus, limit for 5150MHz band is -27+95.2=68.2 dBuV/m.

IEEE 802.11a CH High

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX High								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5350	43.26	31.73	6.05	33.73	47.31	68.2	20.89	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5350	42.54	31.73	6.05	33.73	46.59	68.2	21.61	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5150MHz band is -27+95.2=68.2 dBuV/m.

IEEE 802.11n HT20 CH Low

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX Low								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5150	43.12	31.65	5.92	33.9	46.79	68.2	21.41	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5150	42.15	31.65	5.92	33.9	45.82	68.2	22.38	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5150MHz band is -27+95.2=68.2 dBuV/m.

## IEEE 802.11n HT20 CH High

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by:		Simple Guan		
Test mode: TX High								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5350	43.27	31.73	6.05	33.73	47.32	68.2	20.88	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5350	41.26	31.73	6.05	33.73	45.31	68.2	22.89	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5150MHz band is -27+95.2=68.2 dBuV/m.



IEEE 802.11n HT40 CH Low

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX Low								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5150	43.24	31.65	5.92	33.9	46.91	68.2	21.29	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5150	42.19	31.65	5.92	33.9	45.86	68.2	22.34	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5150MHz band is -27+95.2=68.2 dBuV/m.

IEEE 802.11n HT40 CH High

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX High								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5350	43.79	31.73	6.05	33.73	47.84	68.2	20.36	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5350	42.36	31.73	6.05	33.73	46.41	68.2	21.79	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5150MHz band is -27+95.2=68.2 dBuV/m.

5.8G Band

Radiated Method:

IEEE 802.11a CH LOW

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX Low								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5460	43.27	31.81	6.11	33.68	47.51	68.2	20.69	PK
5725	43.16	32.17	6.26	33.58	48.01	78.2	30.19	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5460	41.86	31.81	6.11	33.68	46.1	68.2	22.1	PK
5725	42.54	32.17	6.26	33.58	47.39	78.2	30.81	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto								
Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5460MHz is -27+95.2=68.2 dBuV/m. Limit for 5725MHz is -17+95.2=78.2 dBuV/m.

IEEE 802.11a CH High

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX High								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5850	42.57	32.5	6.33	33.64	47.76	78.2	30.44	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5850	42.68	32.5	6.33	33.64	47.87	78.2	30.33	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5460MHz is -27+95.2=68.2 dBuV/m. Limit for 5725MHz is -17+95.2=78.2 dBuV/m.

IEEE 802.11n HT20 CH Low

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX Low								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5460	41.36	31.81	6.11	33.68	45.6	68.2	22.6	PK
5725	42.38	32.17	6.26	33.58	47.23	78.2	30.97	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5460	41.57	31.81	6.11	33.68	45.81	68.2	22.39	PK
5725	42.36	32.17	6.26	33.58	47.21	78.2	30.99	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5460MHz is -27+95.2=68.2 dBuV/m. Limit for 5725MHz is -17+95.2=78.2 dBuV/m.

## IEEE 802.11n HT20 CH High

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5			Test site: 3m Chamber		Tested by: Simple Guan			
Test mode: TX High								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5850	43.06	32.5	6.33	33.64	48.25	78.2	29.95	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5850	42.57	32.5	6.33	33.64	47.76	78.2	30.44	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5460MHz is -27+95.2=68.2 dBuV/m. Limit for 5725MHz is -17+95.2=78.2 dBuV/m.



IEEE 802.11n HT40 CH High

Band Edge Test result								
EUT: 300M 2.4G&5G wireless adapter					M/N: SC-1			
Power: DC 5V from USB Port								
Test date: 2017-5-5		Test site: 3m Chamber		Tested by: Simple Guan				
Test mode: TX High								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5850	42.53	32.5	6.33	33.64	47.72	78.2	30.48	PK
--	--	--	--	--	--	--	--	--
Antenna Polarity: Horizontal								
5850	42.31	32.5	6.33	33.64	47.5	78.2	30.7	PK
--	--	--	--	--	--	--	--	--
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Result = Read level + Antenna factor + cable loss-Amp factor								
3, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								

Note: According to KDB 789033, EIRP 【dBm】 =E 【dBuV/m】 -95.2, thus, limit for 5460MHz is -27+95.2=68.2 dBuV/m. Limit for 5725MHz is -17+95.2=78.2 dBuV/m.



## 11 Frequency stability

### 11.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an Emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### 11.2 Measuring Instruments

See list of measuring instruments of this test report.

### 11.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

### 11.4 Test SETUP



### 11.5 TEST RESULTS

NOTE: 1. Antenna A Power > Antenna B Power, Both antenna A and B have all bandwidth and mode been test, Only the worst data

EUT: 300M 2.4G&5G wireless adapter M/N: SC-1					
Power: DC 5V from USB Port					
Ambient Temperature:23℃			Relative Humidity: 60%		
Test date: 2017-5-5			Test site: RF site		Tested by: Simple Guan
Conclusion: PASS					
Mode	Voltage (V)	FH <sub>L</sub> (5180MHz)	Deviation (KHz)	FH <sub>H</sub> (5240MHz)	Deviation (KHz)
5.2G Band	132 V	5179.980	20	5239.980	20
	120 V	5179.980	20	5239.980	20
	108 V	5179.980	20	5239.980	20
5.8G Band	Voltage (V)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
	132 V	5744.975	25	5824.975	25
	120 V	5744.975	25	5824.975	25
	108 V	5744.975	25	5824.975	25

Mode	Temperature (℃)	FH <sub>L</sub> (5180MHz)	Deviation (KHz)	FH <sub>H</sub> (5240MHz)	Deviation (KHz)
5.2G Band	-30	5179.935	65	5239.964	36
	-20	5179.941	59	5239.943	57
	-10	5179.956	44	5239.952	48
	0	5179.937	63	5239.966	34
	10	5179.968	32	5239.971	29
	20	5179.954	46	5239.959	41
	30	5179.961	39	5239.946	54
	40	5179.967	33	5239.943	57
	50	5179.968	32	5239.958	42
5.8G Band	Temperature (℃)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
	-30	5744.961	39	5824.947	53
	-20	5744.957	43	5824.936	64
	-10	5744.949	51	5824.957	43
	0	5744.957	43	5824.949	51
	10	5744.949	51	5824.962	38
	20	5744.961	39	5824.957	43
	30	5744.951	49	5824.968	32
	40	5744.962	38	5824.959	41
	50	5744.958	42	5824.945	55

## 12 Antenna Requirement

### 12.1 Standard Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

### 12.2 Antenna Connected Construction

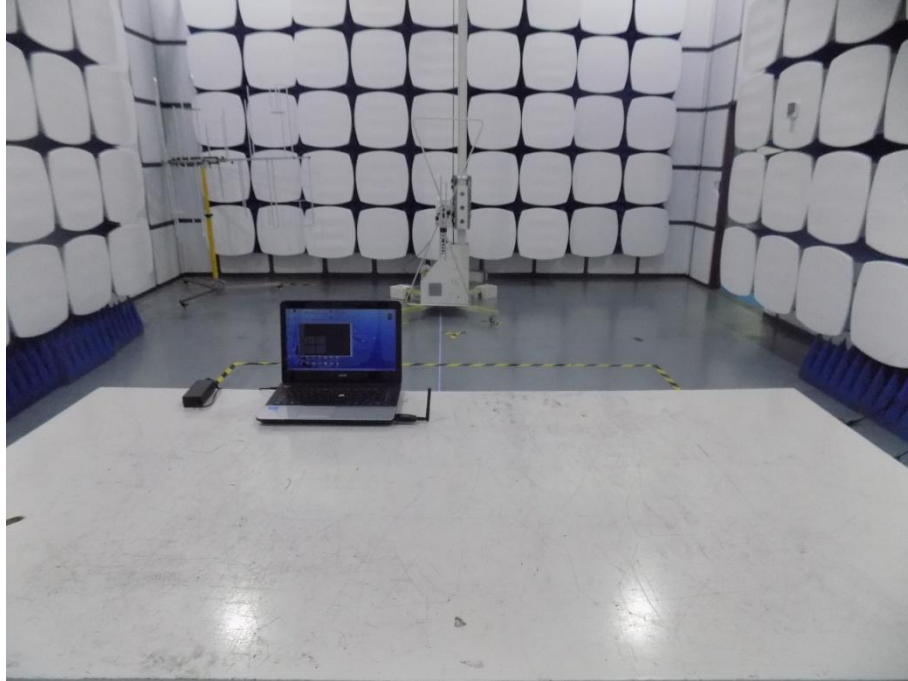
The antenna connector is unique antenna and no consideration of replacement. Please see EUT photo for details.

### 12.3 Result

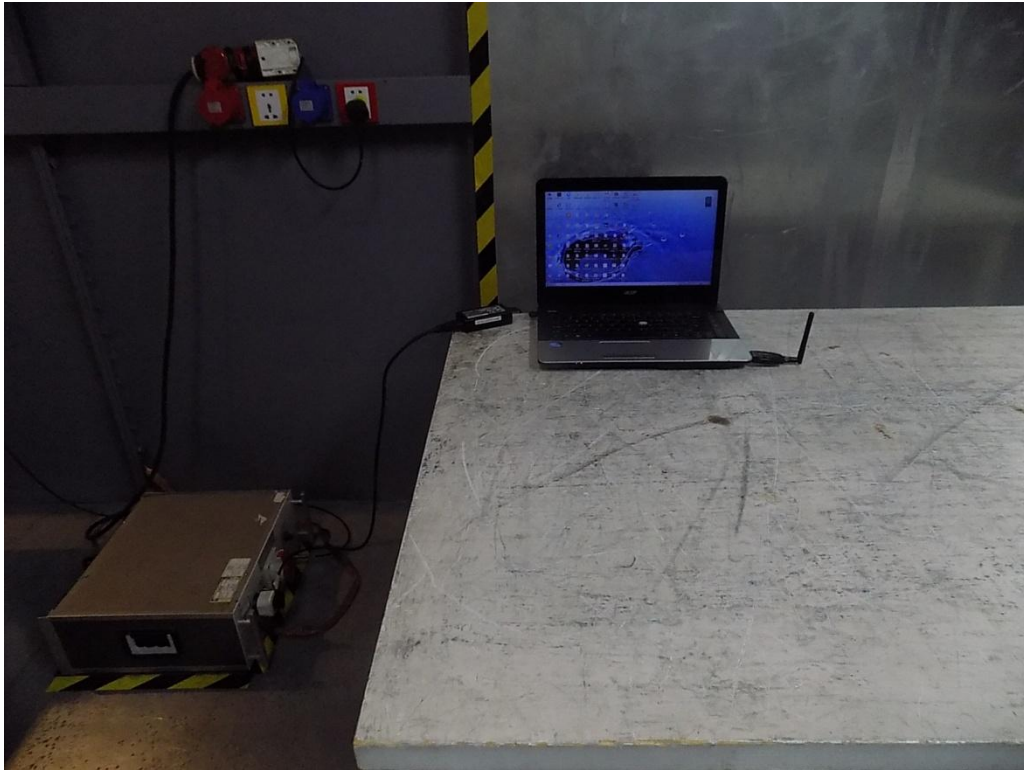
The EUT antenna is unique Antenna. It comply with the standard requirement.

## 13 Test setup photo

### 13.1 Photos of Radiated emission



### 13.2 Photos of Conducted Emission test



## 14 Photographs of EUT

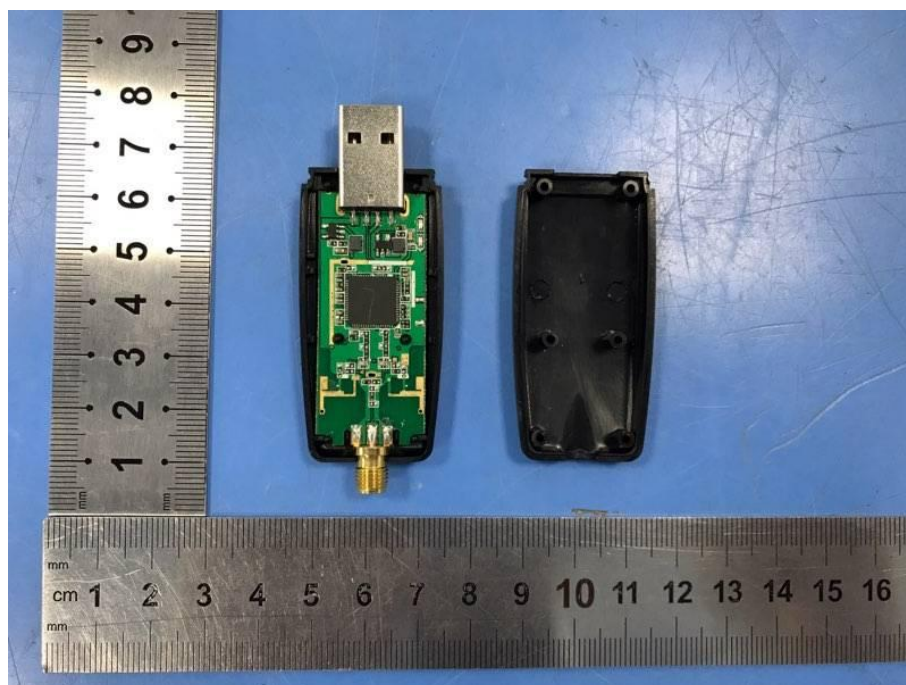


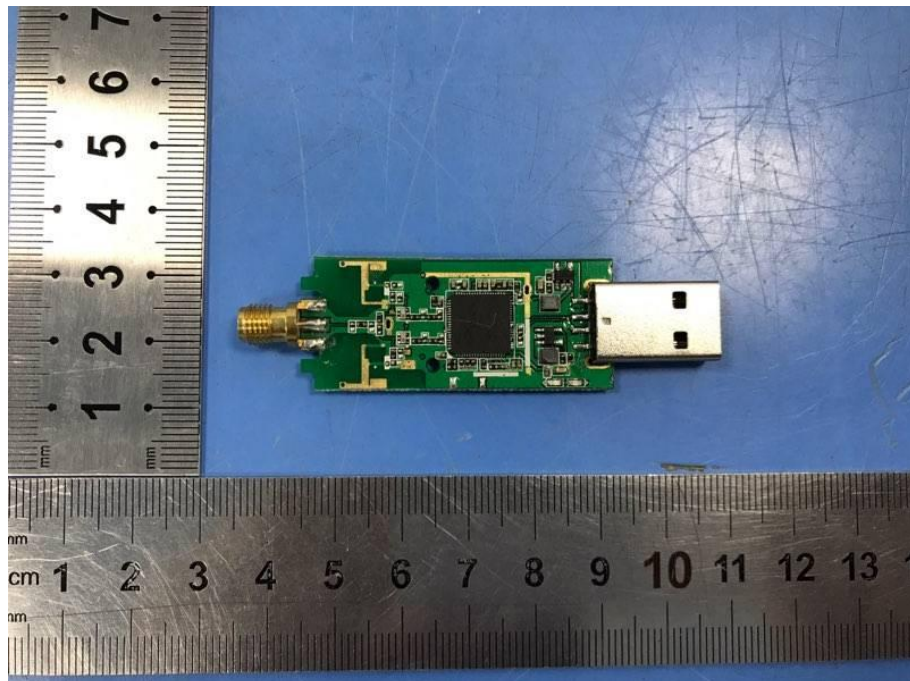
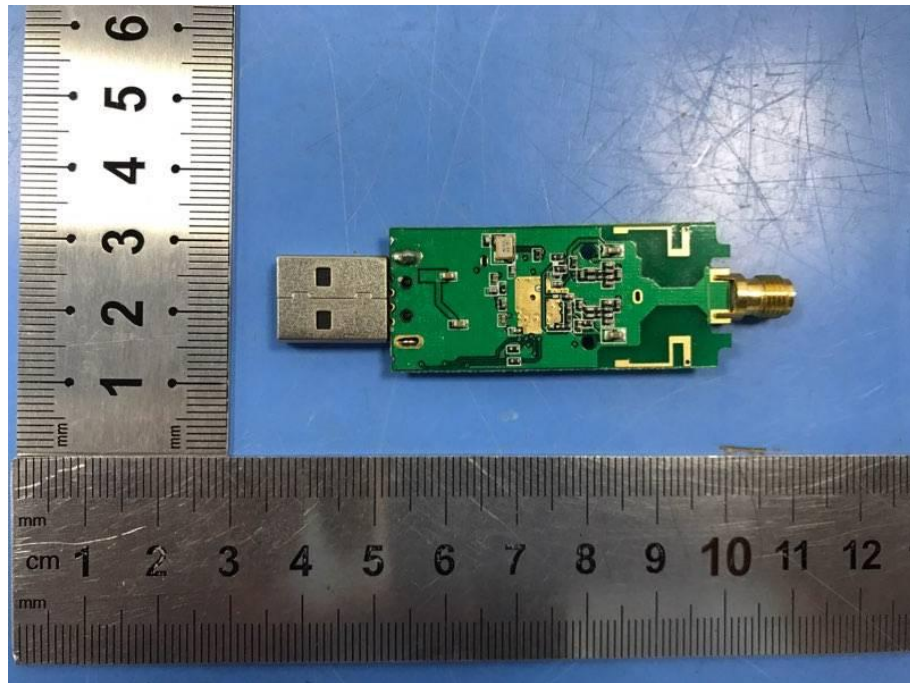












-----END OF THE REPORT-----