

6. 6dB&26dB Bandwidth Test

6.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.18,15	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,15	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	Apr. 28,15	1 Year

6.2.Limit

6dB Bandwidth should be not less than 500kHz

6.3.Test Procedure

6dB Bandwidth:

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 KHz VBW for signal width below 20MHz and 300KHz RBW ,1MHz VBW for Above 20MHz signal Bandwidth.

26dB Bandwidth:

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 KHz VBW The 26dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 26dB.

6.4.Test Results

**5180-5240MHz Band:
6dB bandwidth**

EUT: Tablet PC		
M/N: AT10-C		
Test date: 2015-11-26	Pressure: 101.8±1.0kpa	Humidity: 52.4±3.0%
Tested by: Alice_Yang	Test site: RF site	Temperature: 23.8±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	CH36	16.36	16.38	≥ 500
	CH40	16.37	16.38	≥ 500
	CH48	16.39	16.38	≥ 500
11n HT20	CH36	17.60	17.65	≥ 500
	CH40	17.60	17.64	≥ 500
	CH48	17.57	17.61	≥ 500
11n HT40	CH38	36.33	36.40	≥ 500
	CH46	36.39	36.42	≥ 500
11ac VHT20	CH36	17.60	17.64	≥ 500
	CH40	17.60	17.64	≥ 500
	CH48	17.59	17.62	≥ 500
11ac VHT40	CH38	36.36	36.37	≥ 500
	CH46	36.32	36.39	≥ 500
11ac VHT80	CH42	75.93	76.34	≥ 500
Conclusion : PASS				

26dB bandwidth

EUT: Tablet PC		
M/N: AT10-C		
Test date: 2015-11-26	Pressure: 101.8±1.0kpa	Humidity: 52.4±3.0%
Tested by: Alice_Yang	Test site: RF site	Temperature: 23.8±0.6 °C

Test Mode	CH	26dB bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	CH36	20.77	20.74	N/A
	CH40	20.72	20.82	N/A
	CH48	20.71	20.73	N/A
11n HT20	CH36	21.04	21.42	N/A
	CH40	21.30	21.23	N/A
	CH48	21.32	21.33	N/A
11n HT40	CH38	39.03	38.93	N/A
	CH46	38.67	39.04	N/A
11ac VHT20	CH36	21.23	21.30	N/A
	CH40	21.27	21.29	N/A
	CH48	21.23	21.33	N/A
11ac VHT40	CH38	39.05	39.07	N/A
	CH46	39.02	38.93	N/A
11ac VHT80	CH42	79.60	80.11	N/A
Conclusion : PASS				

**5260-5320MHz Band:
6dB bandwidth**

EUT: Tablet PC		
M/N: AT10-C		
Test date: 2015-11-26	Pressure: 101.8±1.0kpa	Humidity: 52.4±3.0%
Tested by: Alice_Yang	Test site: RF site	Temperature: 23.8±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	CH52	16.36	16.38	≥ 500
	CH60	16.40	16.37	≥ 500
	CH64	16.40	16.39	≥ 500
11n HT20	CH52	17.58	17.64	≥ 500
	CH60	17.61	17.65	≥ 500
	CH64	17.59	17.65	≥ 500
11n HT40	CH54	36.38	36.40	≥ 500
	CH62	36.36	36.40	≥ 500
11ac VHT20	CH52	17.59	17.63	≥ 500
	CH60	17.60	17.63	≥ 500
	CH64	17.61	17.67	≥ 500
11ac VHT40	CH54	36.38	36.41	≥ 500
	CH62	36.39	36.41	≥ 500
11ac VHT80	CH58	75.87	76.14	≥ 500
Conclusion : PASS				

26dB bandwidth

EUT: Tablet PC		
M/N: AT10-C		
Test date: 2015-11-26	Pressure: 101.8±1.0kpa	Humidity: 52.4±3.0%
Tested by: Alice_Yang	Test site: RF site	Temperature: 23.8±0.6 °C

Test Mode	CH	26dB bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	CH52	20.73	20.77	N/A
	CH60	20.76	20.77	N/A
	CH64	20.77	20.78	N/A
11n HT20	CH52	21.29	21.32	N/A
	CH60	21.12	21.32	N/A
	CH64	21.04	21.36	N/A
11n HT40	CH54	39.10	39.11	N/A
	CH62	38.99	39.14	N/A
11ac VHT20	CH52	21.24	21.29	N/A
	CH60	21.37	21.34	N/A
	CH64	21.24	21.37	N/A
11ac VHT40	CH54	39.20	39.07	N/A
	CH62	38.97	38.95	N/A
11ac VHT80	CH58	79.54	79.79	N/A
Conclusion : PASS				

5500-5700MHz Band:
6dB bandwidth

EUT: Tablet PC		
M/N: AT10-C		
Test date: 2015-11-26	Pressure: 101.8±1.0kpa	Humidity: 52.4±3.0%
Tested by: Alice_Yang	Test site: RF site	Temperature: 23.8±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	CH100	16.39	16.40	≥ 500
	CH120	16.39	16.43	≥ 500
	CH140	16.38	16.38	≥ 500
11n HT20	CH100	17.61	17.63	≥ 500
	CH120	17.63	17.64	≥ 500
	CH140	17.64	17.64	≥ 500
11n HT40	CH102	36.40	36.41	≥ 500
	CH118	36.37	36.38	≥ 500
	CH134	36.41	36.42	≥ 500
11ac VHT20	CH100	17.61	17.65	≥ 500
	CH120	17.63	17.65	≥ 500
	CH140	17.61	17.62	≥ 500
11ac VHT40	CH102	36.40	36.39	≥ 500
	CH118	36.35	36.37	≥ 500
	CH134	36.40	36.38	≥ 500
11ac VHT80	CH106	75.85	75.51	≥ 500
Conclusion : PASS				

26dB bandwidth

EUT: Tablet PC		
M/N: AT10-C		
Test date: 2015-11-26	Pressure: 101.8±1.0kpa	Humidity: 52.4±3.0%
Tested by: Alice_Yang	Test site: RF site	Temperature: 23.8±0.6 °C

Test Mode	CH	26dB bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	CH100	20.78	21.00	N/A
	CH120	20.74	21.04	N/A
	CH140	20.55	20.76	N/A
11n HT20	CH100	21.23	21.32	N/A
	CH120	21.24	21.34	N/A
	CH140	21.29	21.33	N/A
11n HT40	CH102	39.05	38.92	N/A
	CH118	38.99	39.12	N/A
	CH134	38.99	38.85	N/A
11ac VHT20	CH100	21.28	21.07	N/A
	CH120	21.22	21.20	N/A
	CH140	21.33	21.30	N/A
11ac VHT40	CH102	39.08	38.78	N/A
	CH118	39.03	38.91	N/A
	CH134	38.89	38.69	N/A
11ac VHT80	CH106	79.58	79.59	N/A
Conclusion : PASS				

5745-5825MHz Band:
6dB bandwidth

EUT: Tablet PC		
M/N: AT10-C		
Test date: 2015-11-26	Pressure: 101.8±1.0kpa	Humidity: 52.4±3.0%
Tested by: Alice_Yang	Test site: RF site	Temperature: 23.8±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)		Limit (KHz)
		ANT1	ANT2	
11a	CH149	16.38	16.37	≥ 500
	CH157	16.36	16.38	≥ 500
	CH165	16.38	16.37	≥ 500
11n HT20	CH149	17.61	17.64	≥ 500
	CH157	17.64	17.66	≥ 500
	CH165	17.63	17.65	≥ 500
11n HT40	CH151	36.39	36.40	≥ 500
	CH159	36.41	36.37	≥ 500
11ac VHT20	CH149	17.63	17.62	≥ 500
	CH157	17.62	17.61	≥ 500
	CH165	17.64	17.64	≥ 500
11ac VHT40	CH151	36.39	36.37	≥ 500
	CH159	36.41	36.40	≥ 500
11ac VHT80	CH155	75.84	75.87	≥ 500
Conclusion : PASS				

26dB bandwidth

EUT: Tablet PC		
M/N: AT10-C		
Test date: 2015-11-26	Pressure: 101.8±1.0kpa	Humidity: 52.4±3.0%
Tested by: Alice_Yang	Test site: RF site	Temperature: 23.8±0.6 °C

Test Mode	CH	26dB bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	CH149	20.72	20.77	N/A
	CH157	20.77	20.66	N/A
	CH165	20.77	20.73	N/A
11n HT20	CH149	21.29	21.33	N/A
	CH157	21.23	21.19	N/A
	CH165	21.59	21.20	N/A
11n HT40	CH151	38.97	38.93	N/A
	CH159	39.18	38.93	N/A
11ac VHT20	CH149	21.37	21.03	N/A
	CH157	21.34	21.33	N/A
	CH165	21.32	21.07	N/A
11ac VHT40	CH151	38.98	38.93	N/A
	CH159	39.01	38.63	N/A
11ac VHT80	CH155	79.51	79.29	N/A
Conclusion : PASS				

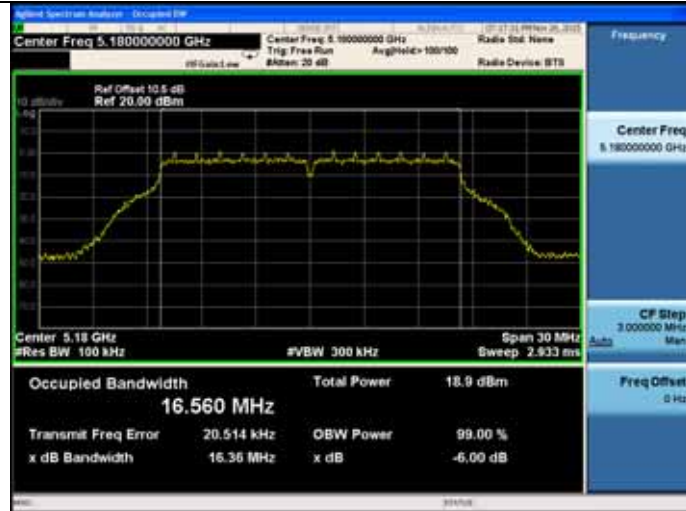
5180-5240MHz Band:

6dB bandwidth

ANT 0

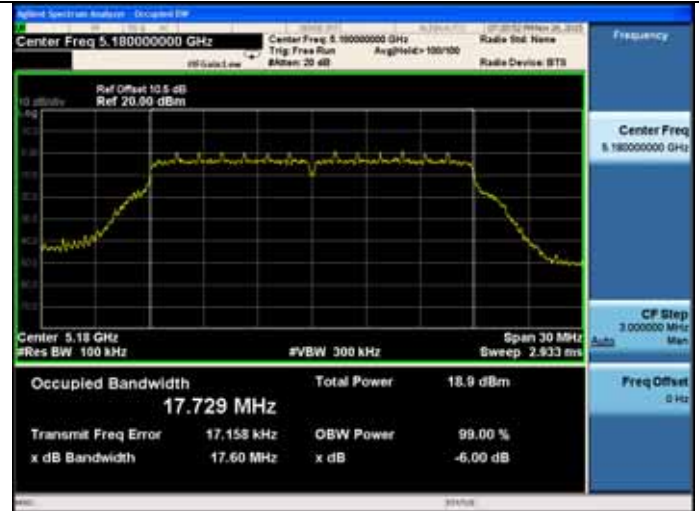
11a

5180MHz

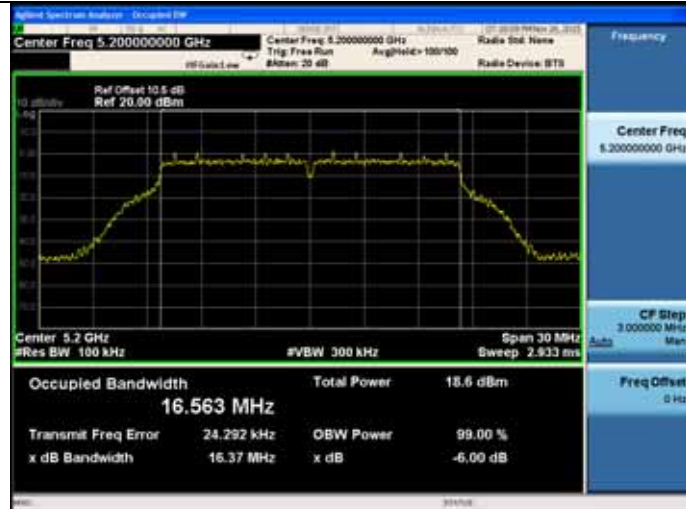


11n HT20

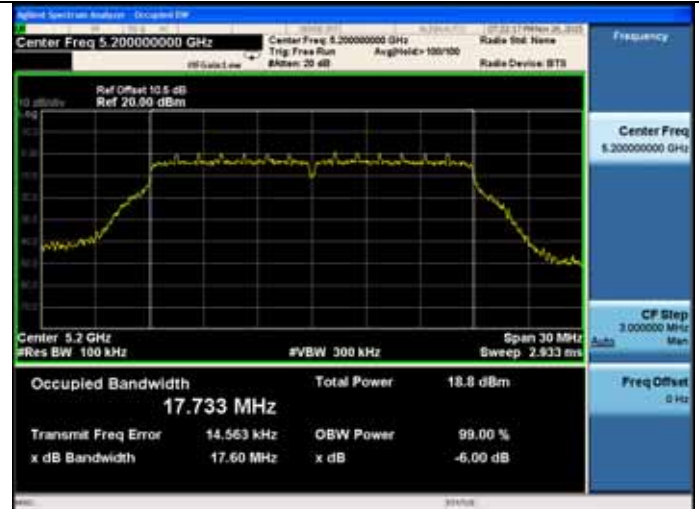
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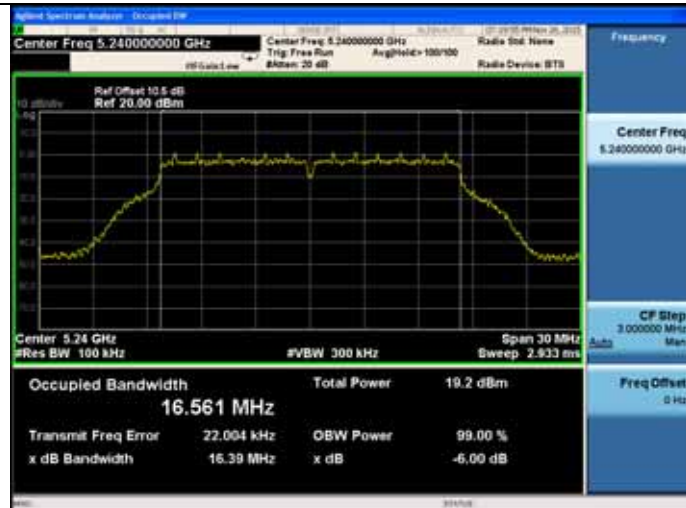
5200MHz



5200MHz



5240MHz

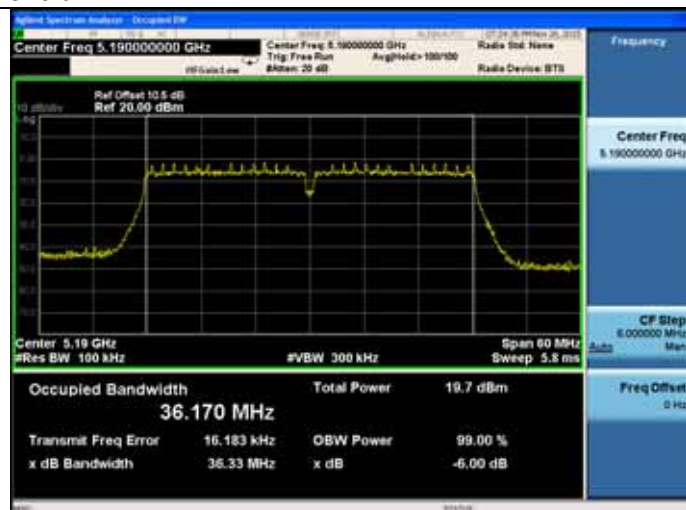


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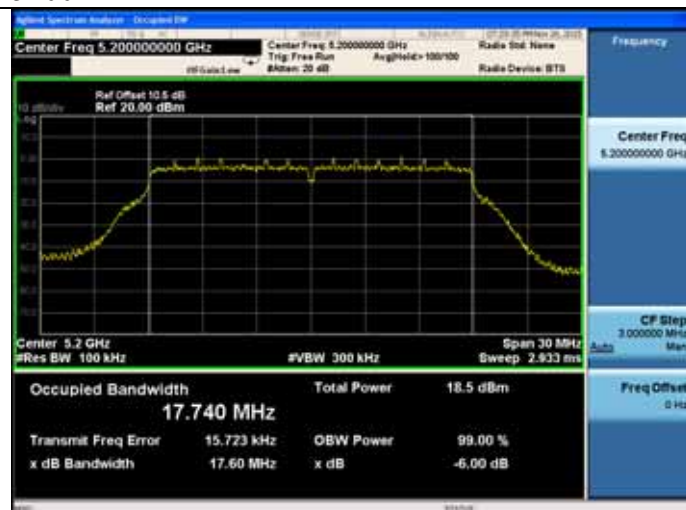


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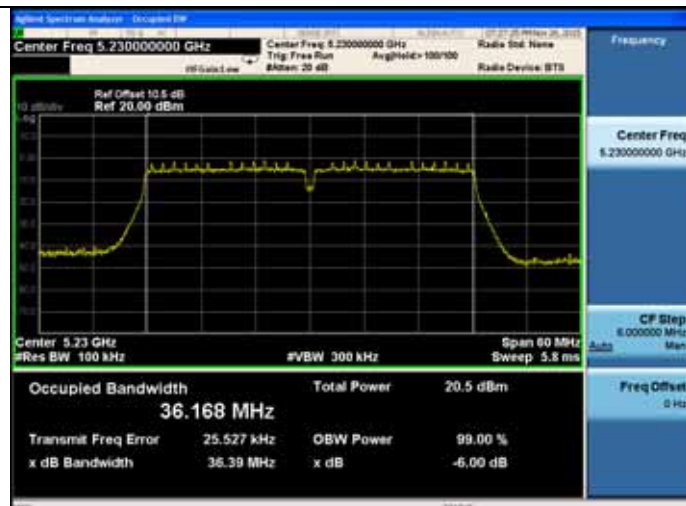
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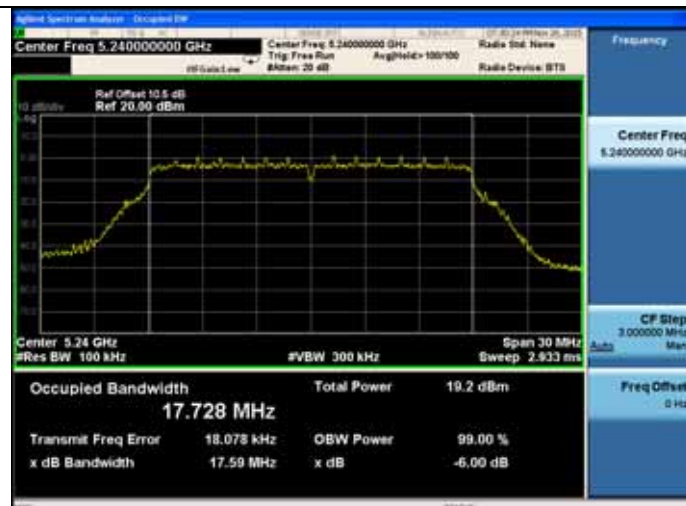
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5230MHz

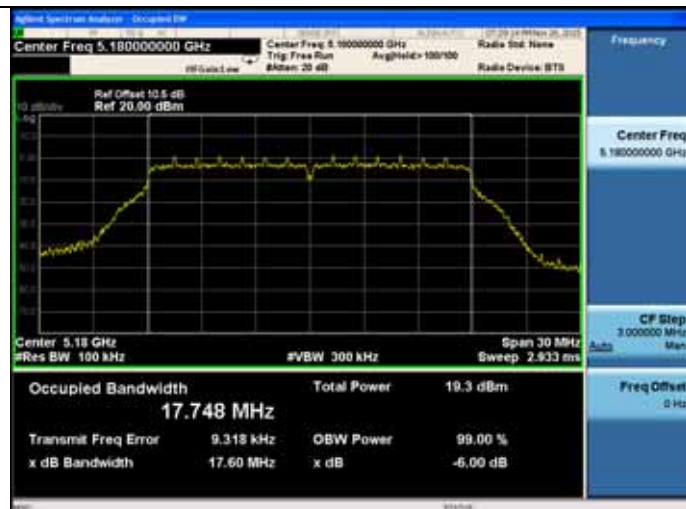


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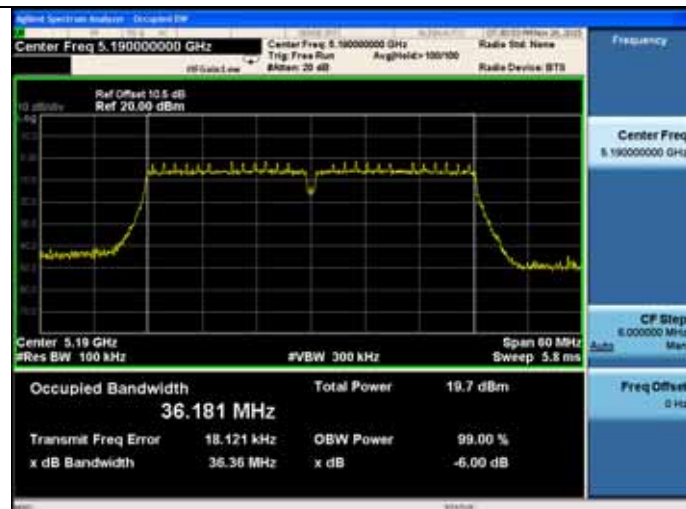
11ac VHT20

5180MHz

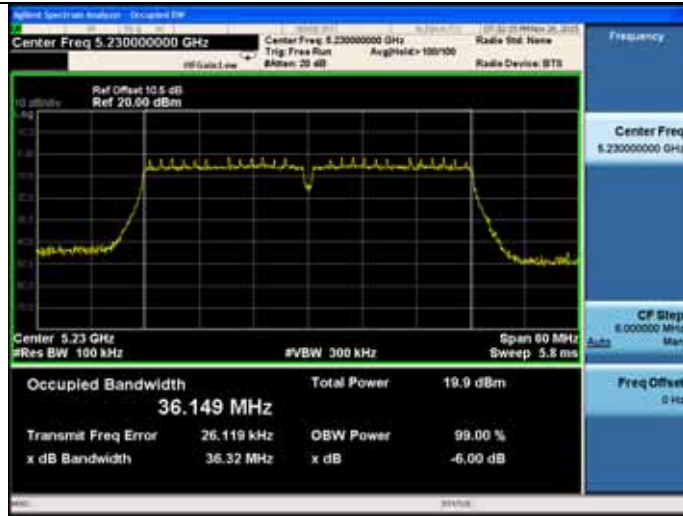


11ac VHT40

5190MHz

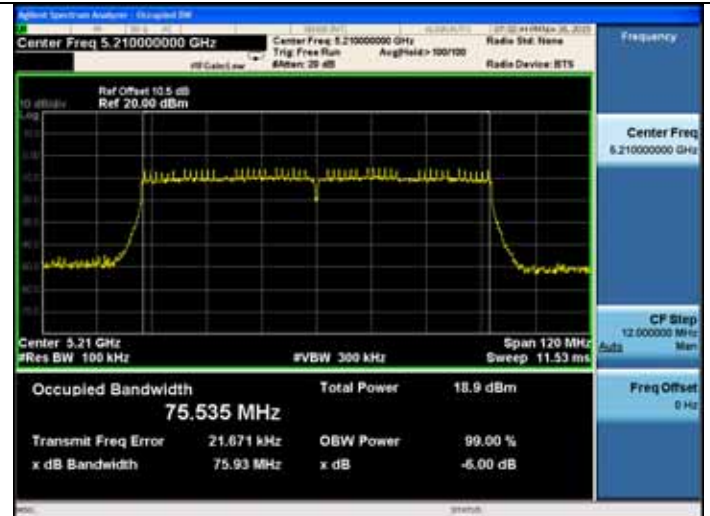


5230MHz



11ac VHT80

5210MHz



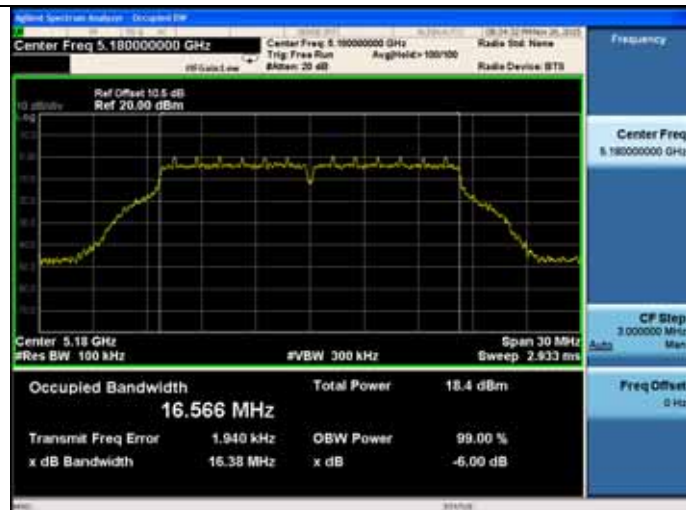
5180-5240MHz Band:

6dB bandwidth

ANT 1

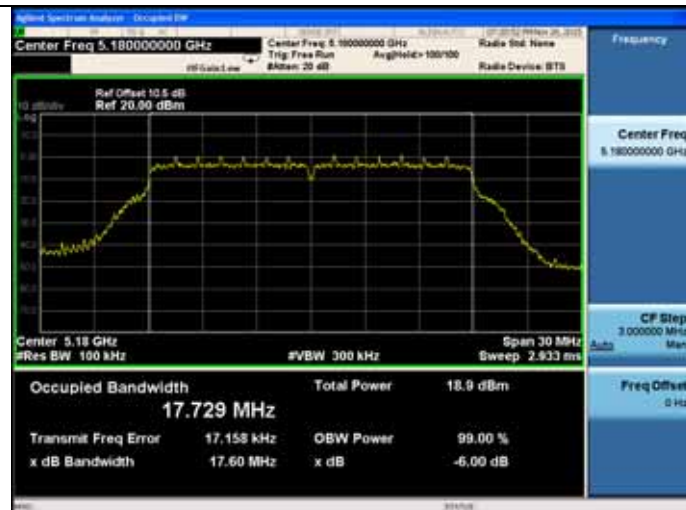
11a

5180MHz

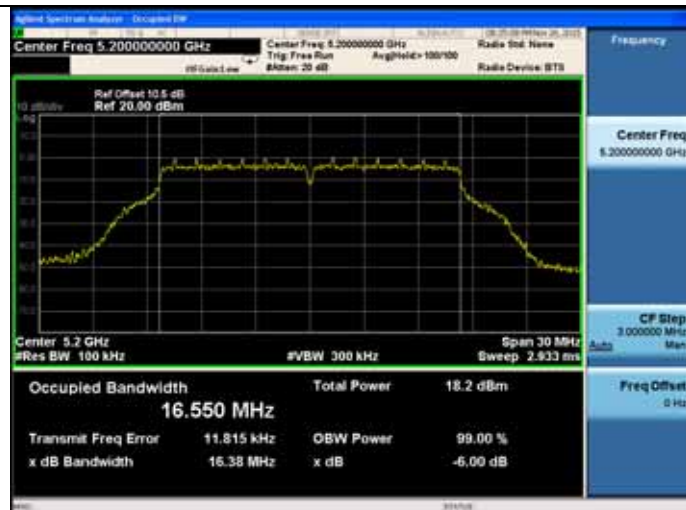


11n HT20

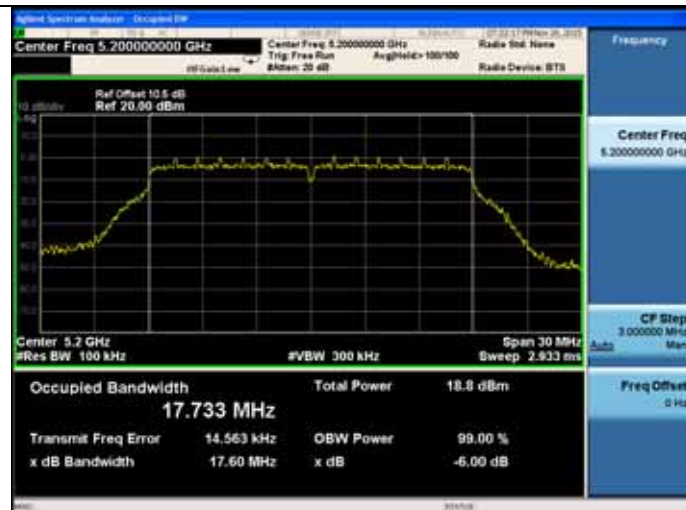
5180MHz



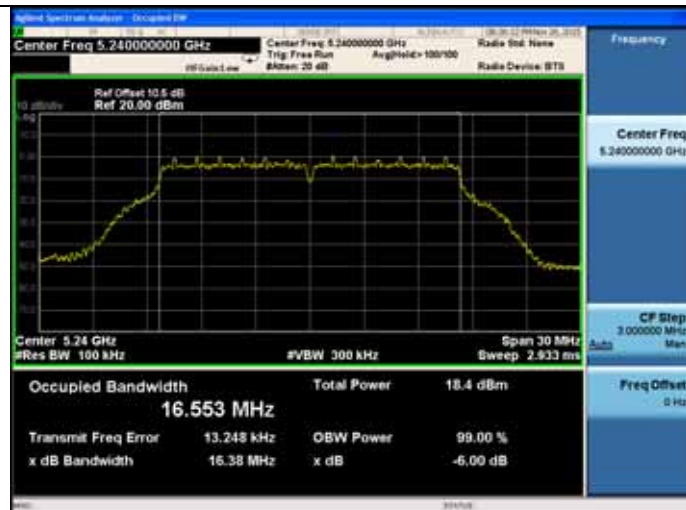
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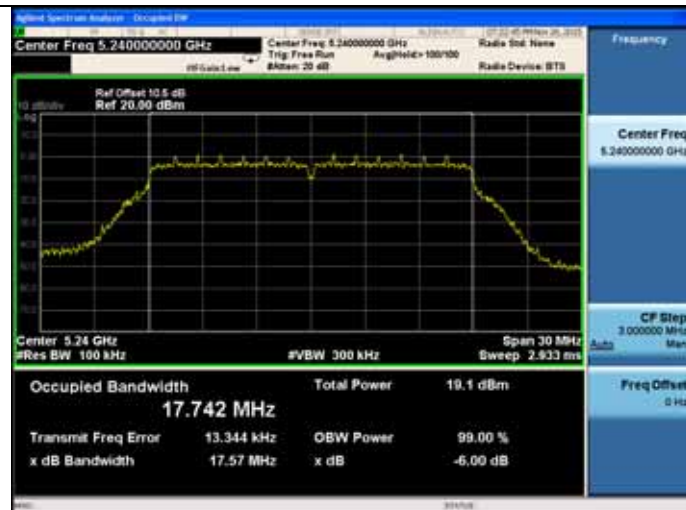
5200MHz



5240MHz

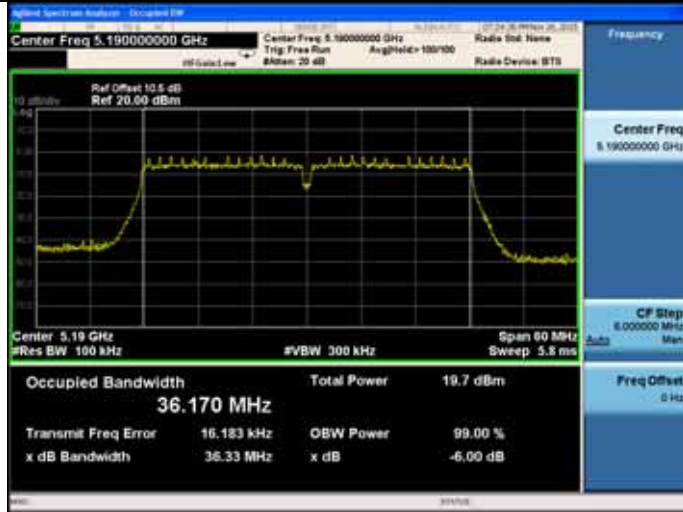


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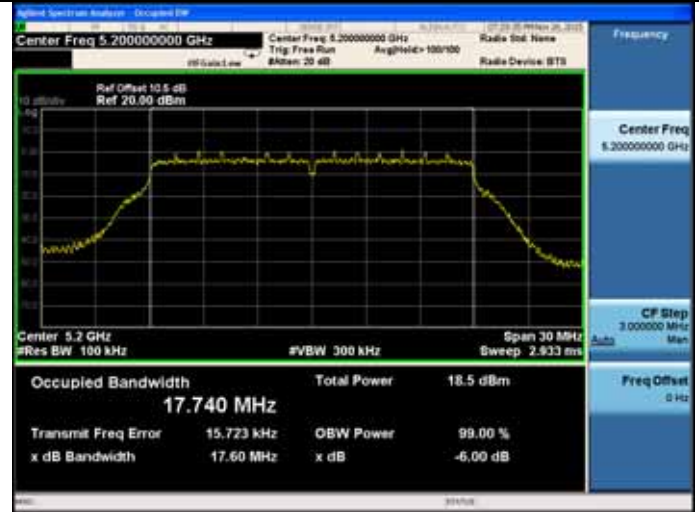


11n HT40

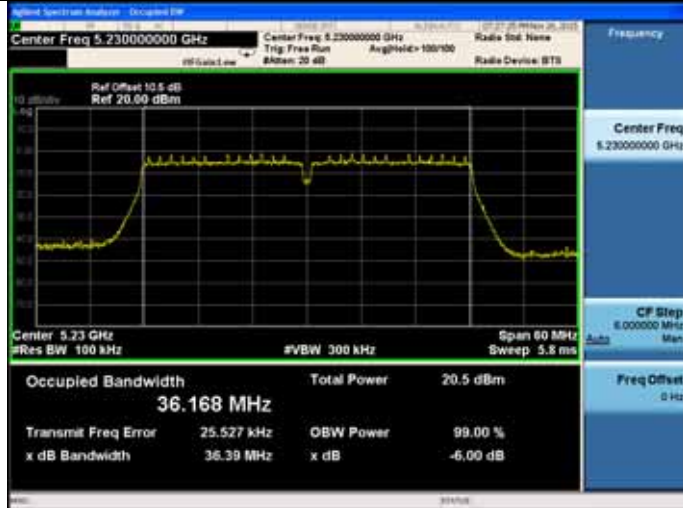
5190MHz



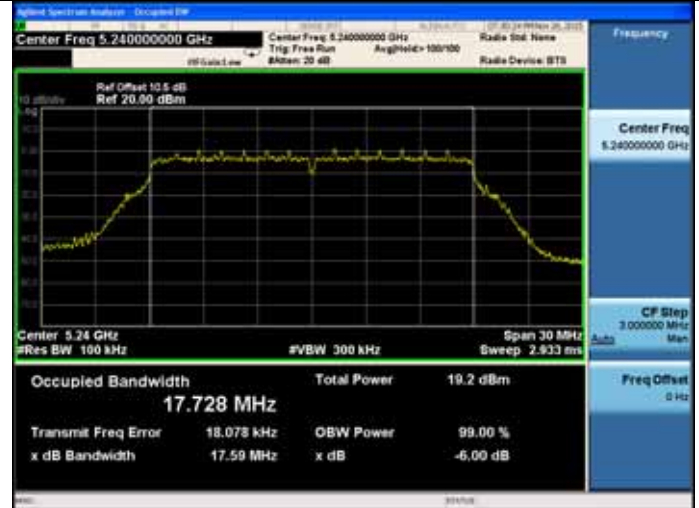
5200MHz



5230MHz

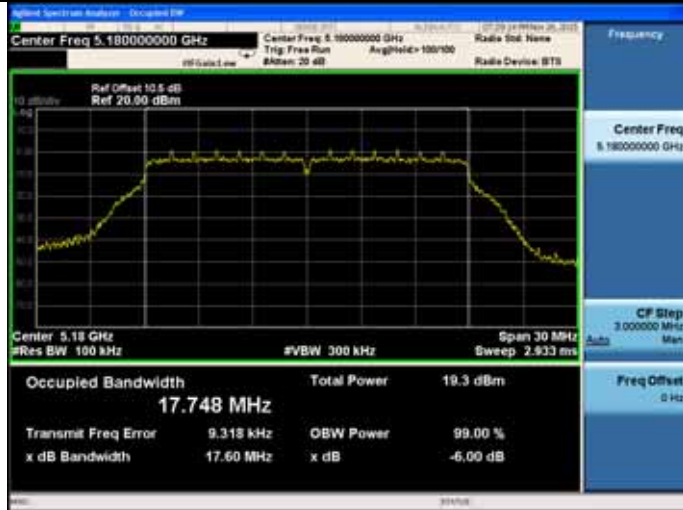


5240MHz



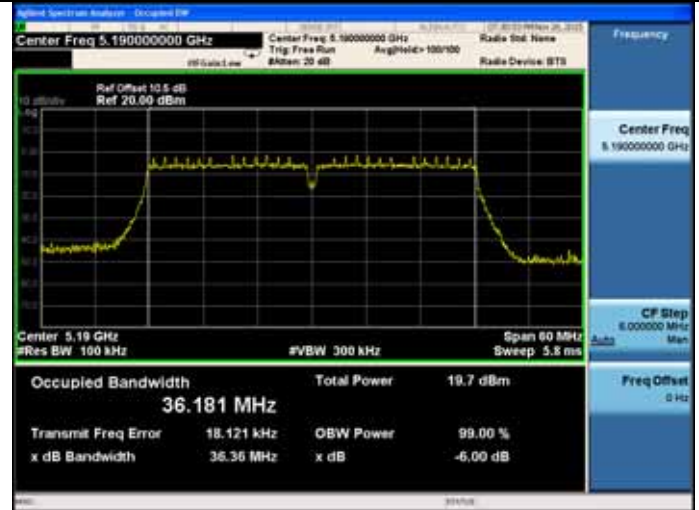
11ac VHT20

5180MHz

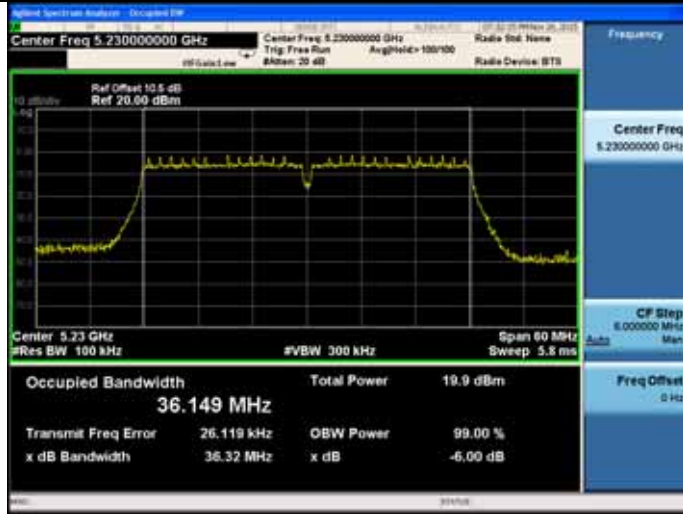


11ac VHT40

5190MHz

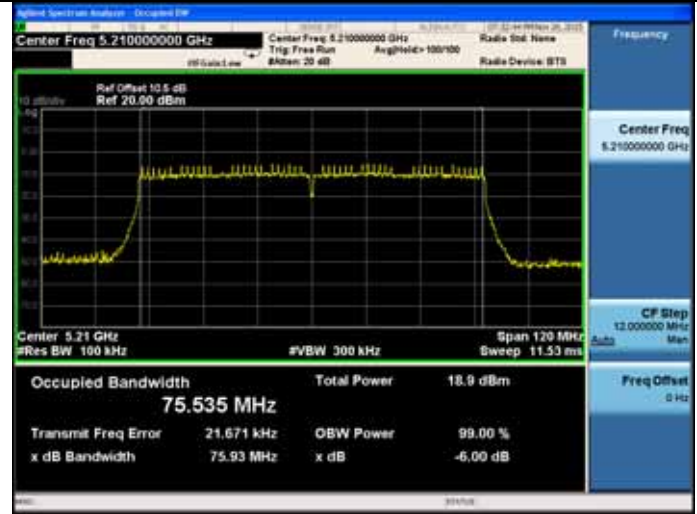


5230MHz



11ac VHT80

5210MHz



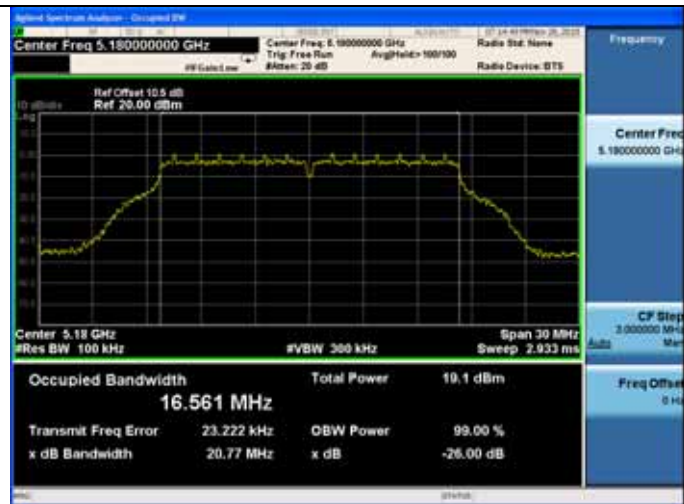
5180-5240MHz Band:

26dB bandwidth

ANT 0

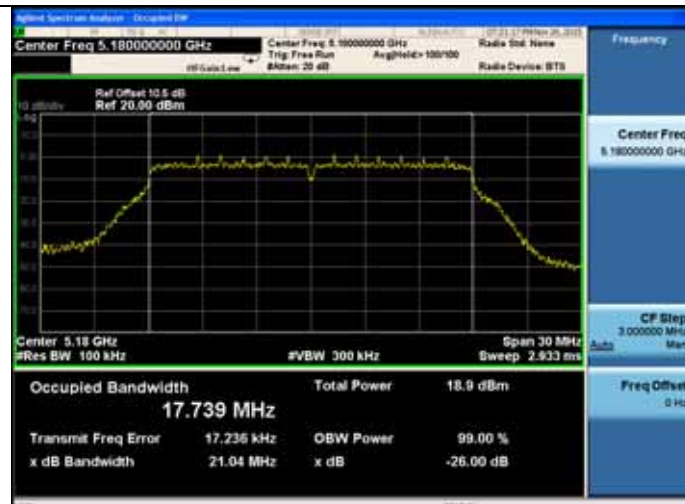
11a

5180MHz

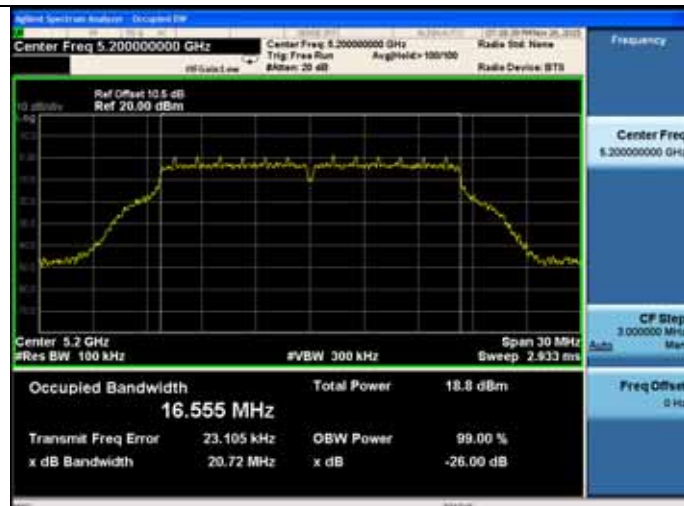


11n HT20

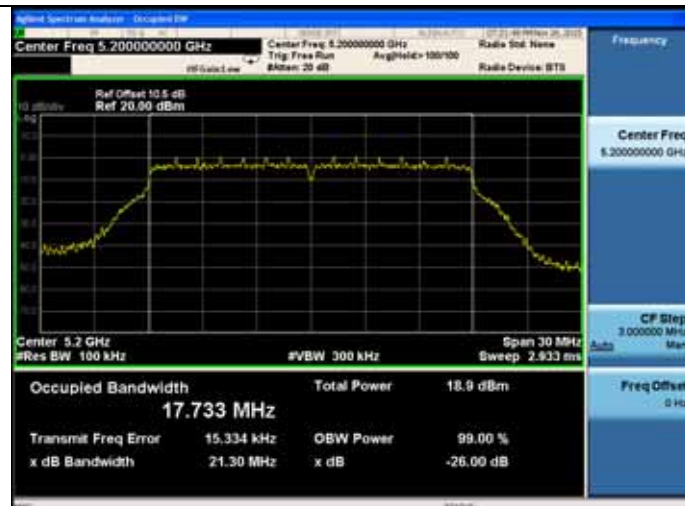
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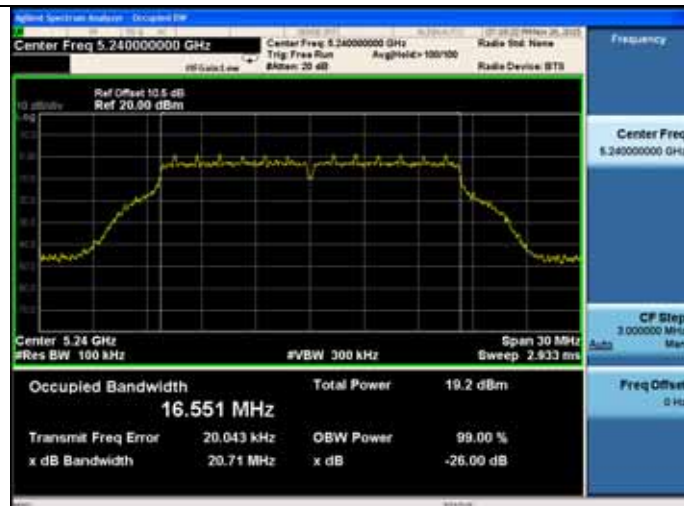
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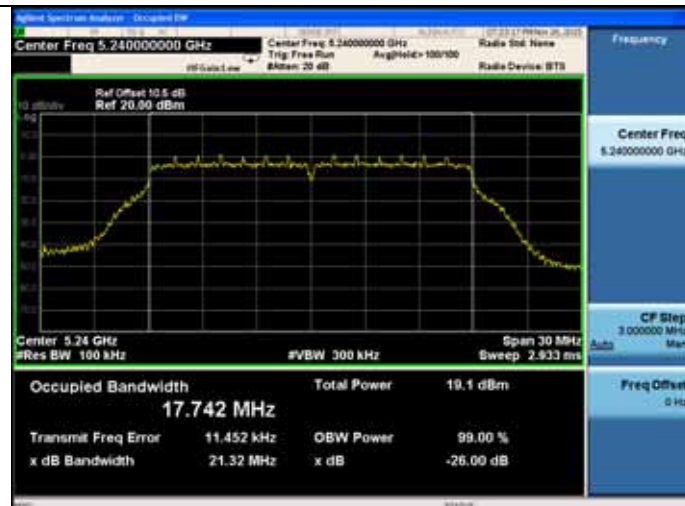
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5240MHz

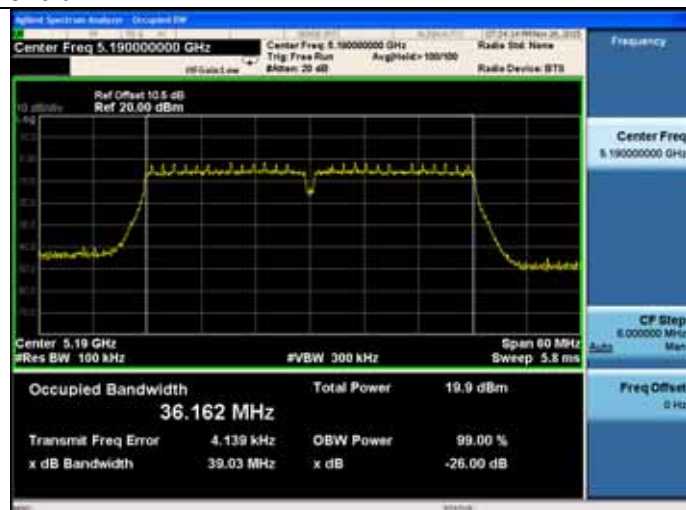


5240MHz

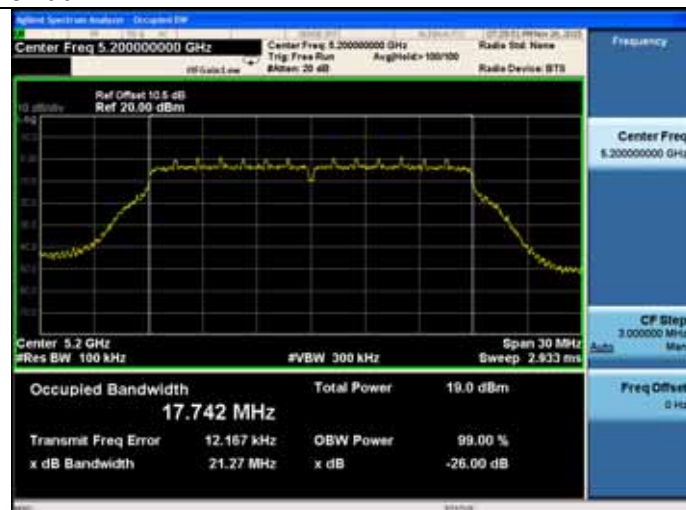


11n HT40

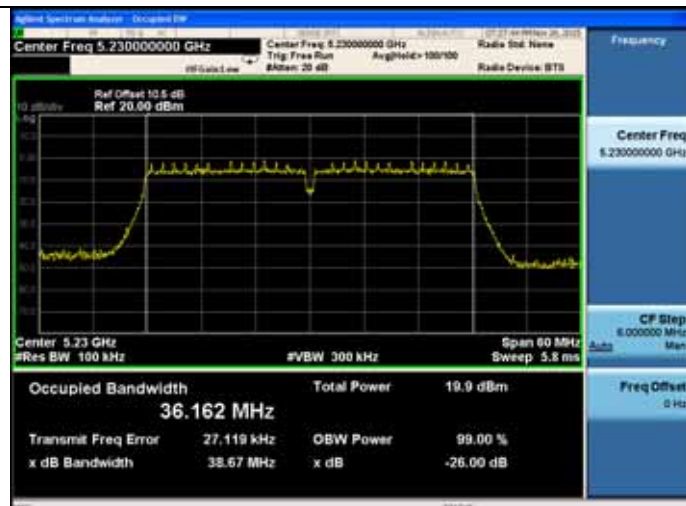
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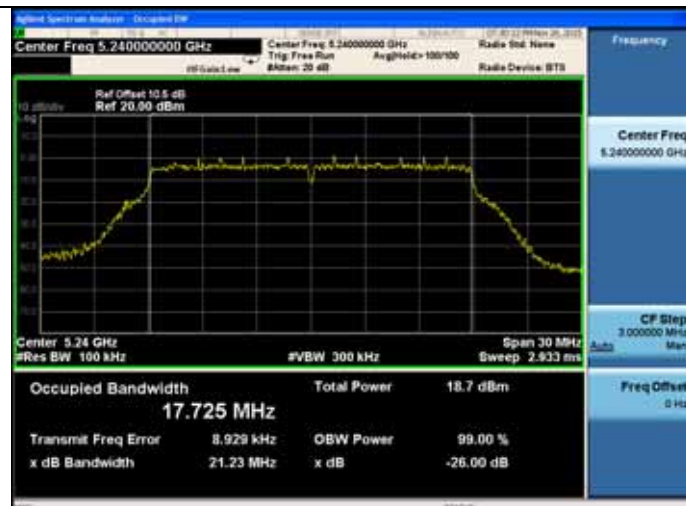
5200MHz



5230MHz

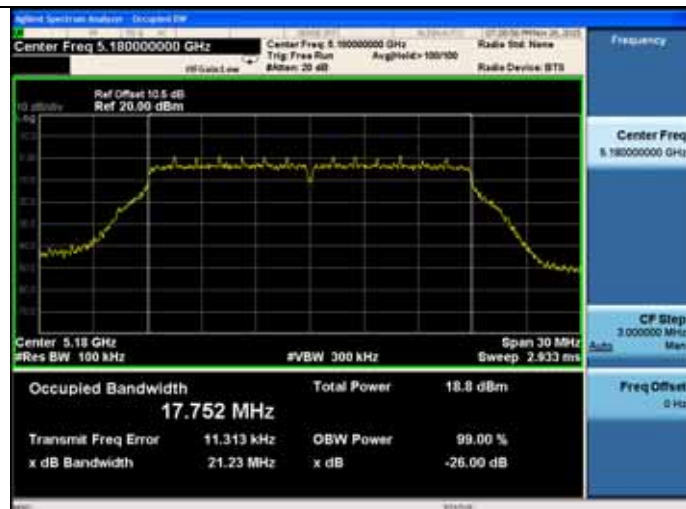


5240MHz



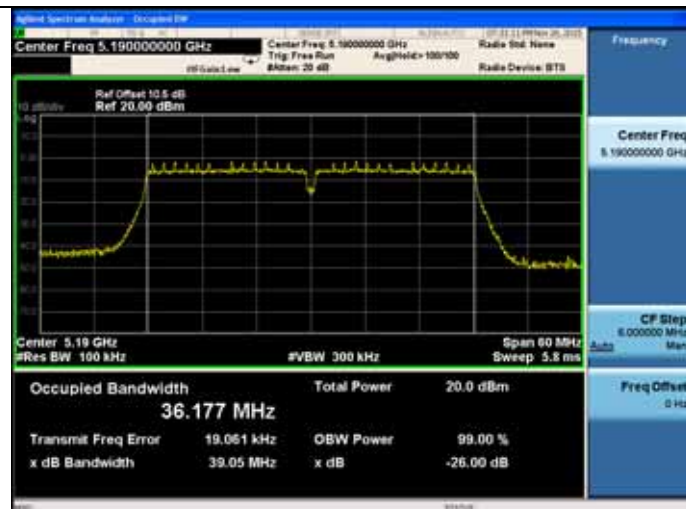
11ac VHT20

5180MHz

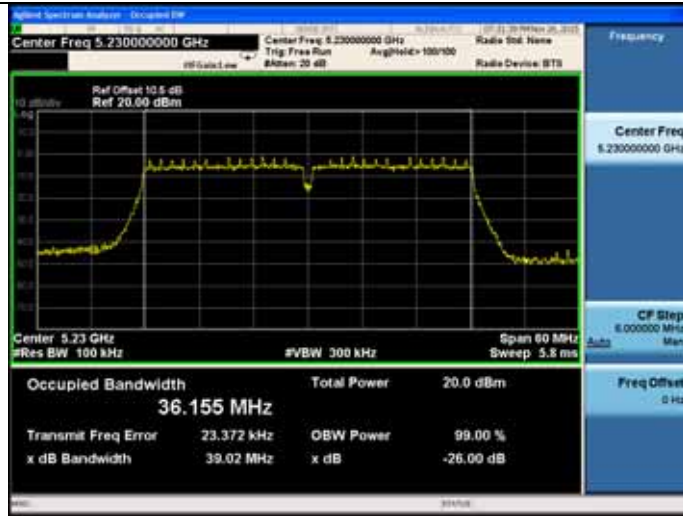


11ac VHT40

5190MHz

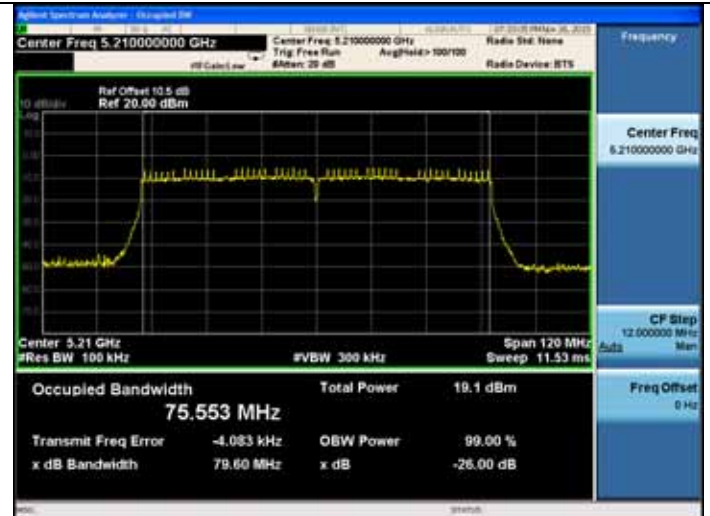


5230MHz



11ac VHT80

5210MHz



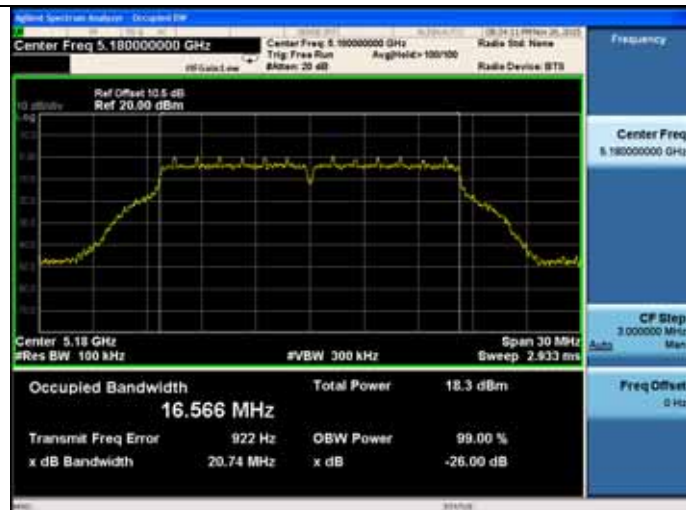
5180-5240MHz Band:

26dB bandwidth

ANT 1

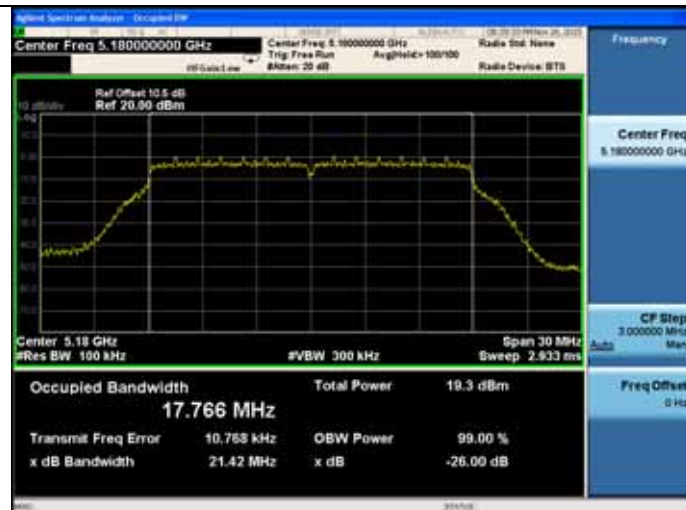
11a

5180MHz

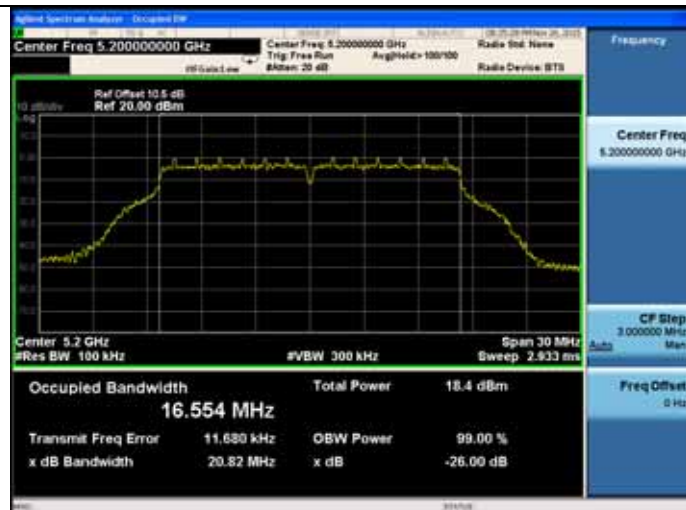


11n HT20

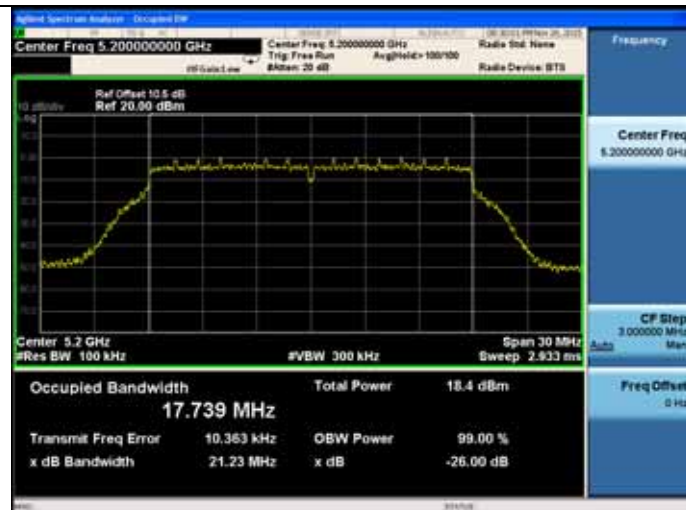
5180MHz



5200MHz



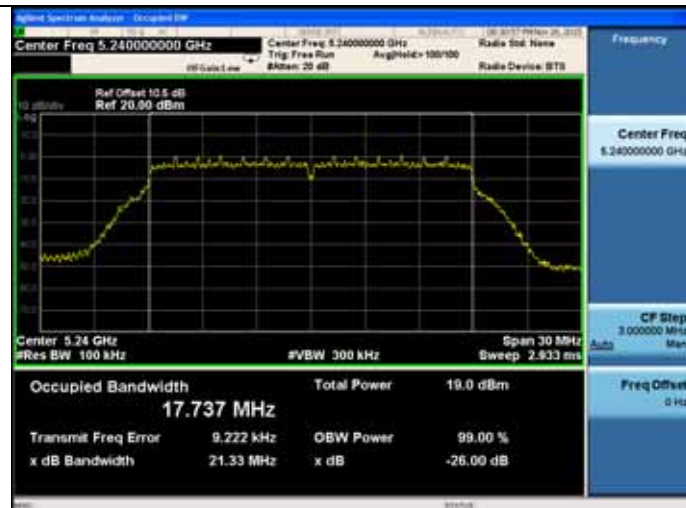
5200MHz



5240MHz

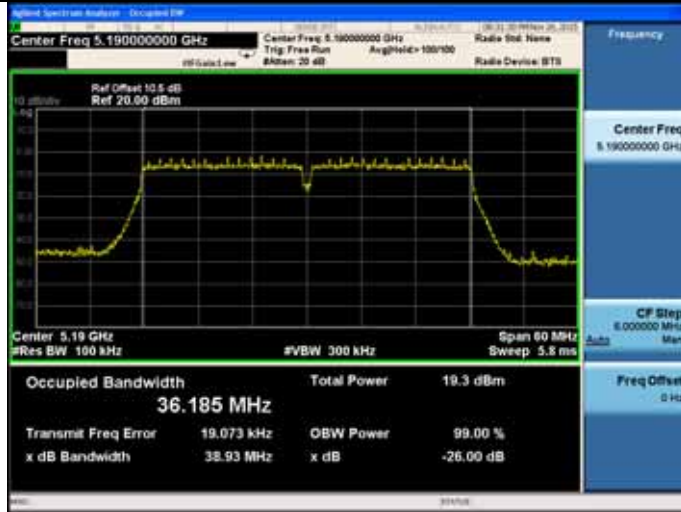


5240MHz

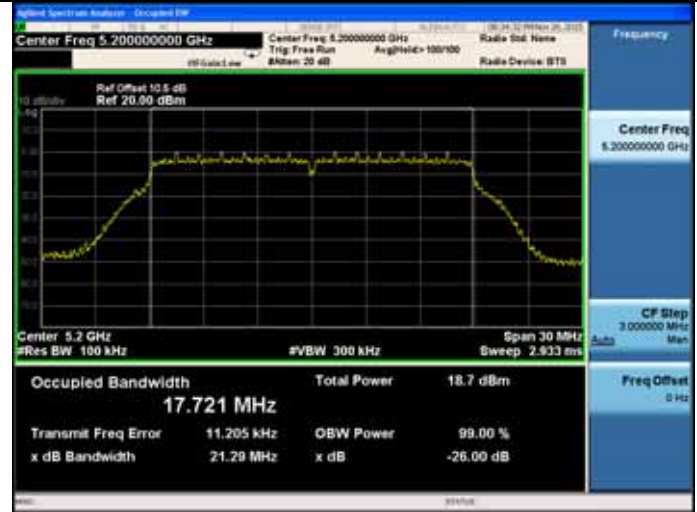


11n HT40

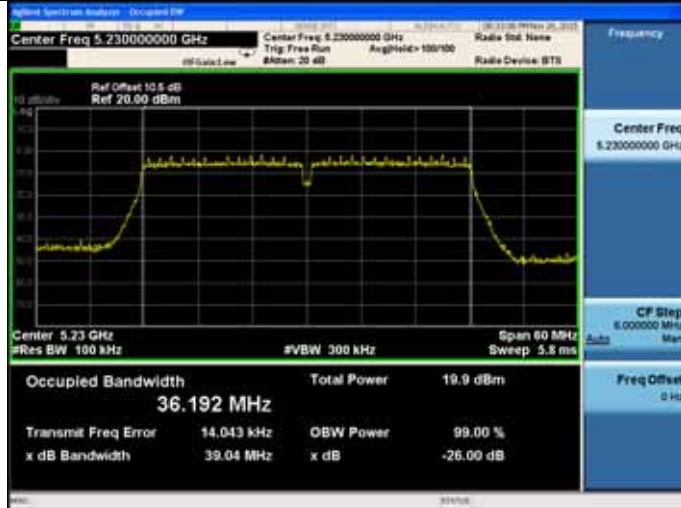
5190MHz



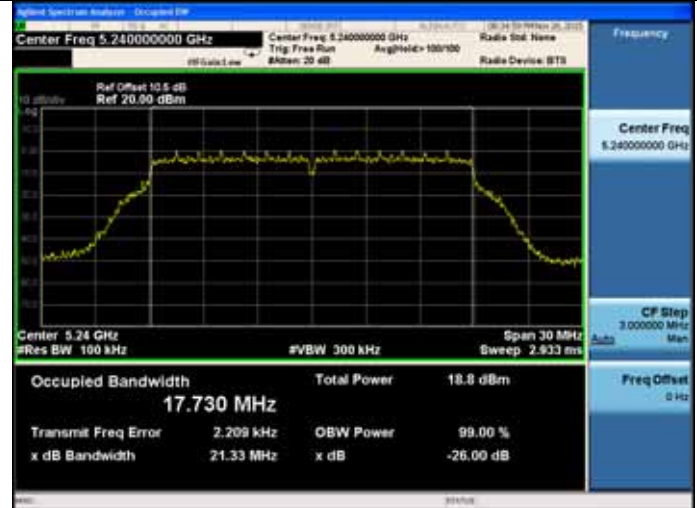
5200MHz



5230MHz

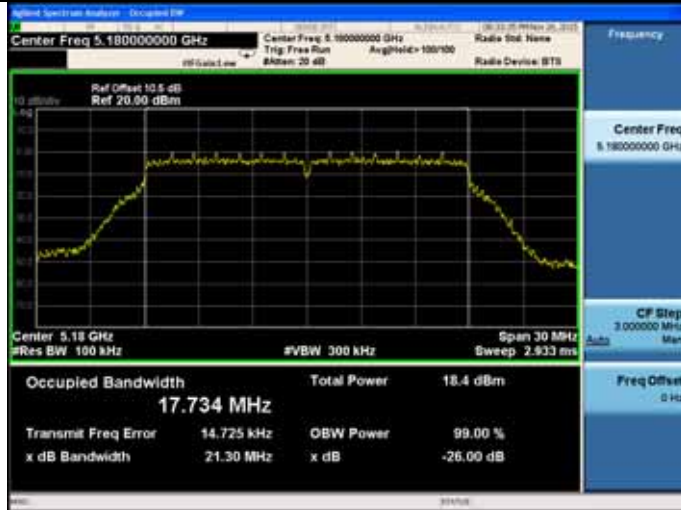


5240MHz



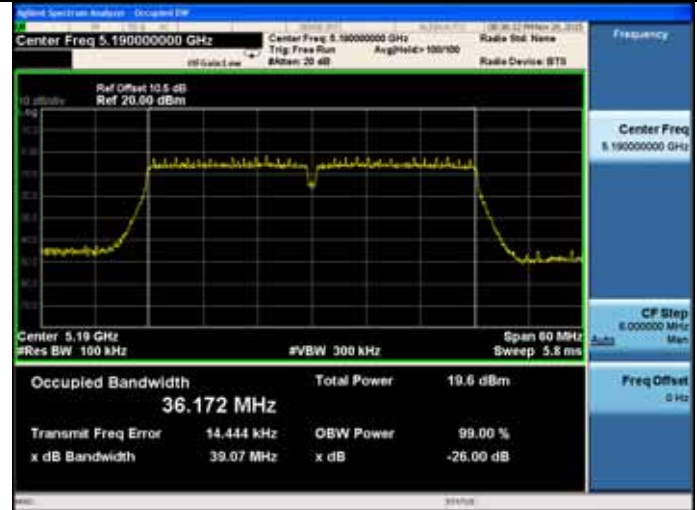
11ac VHT20

5180MHz

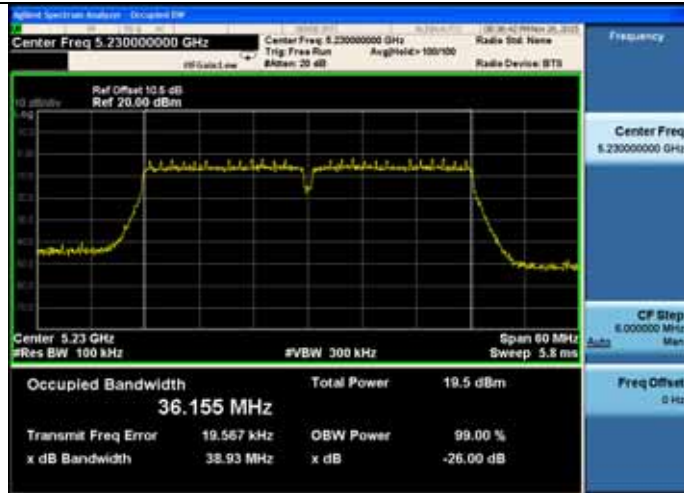


11ac VHT40

5190MHz

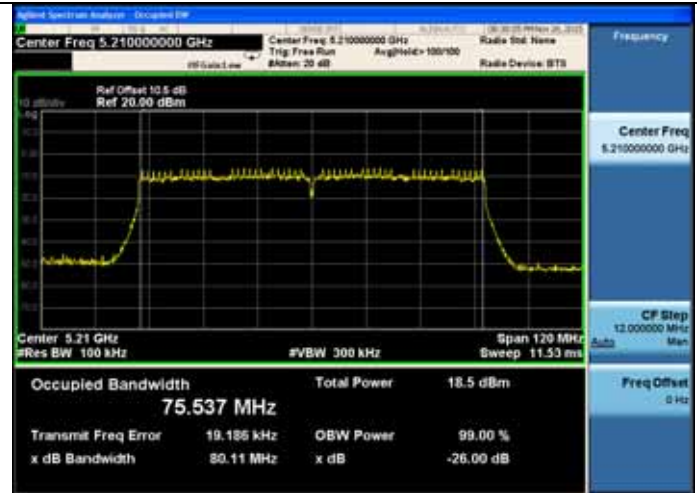


5230MHz



11ac VHT80

5210MHz



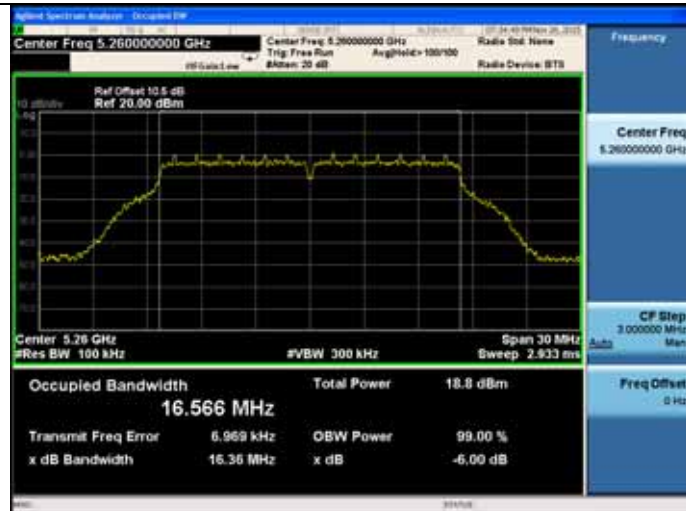
5260-5320MHz Band:

6dB bandwidth

ANT 0

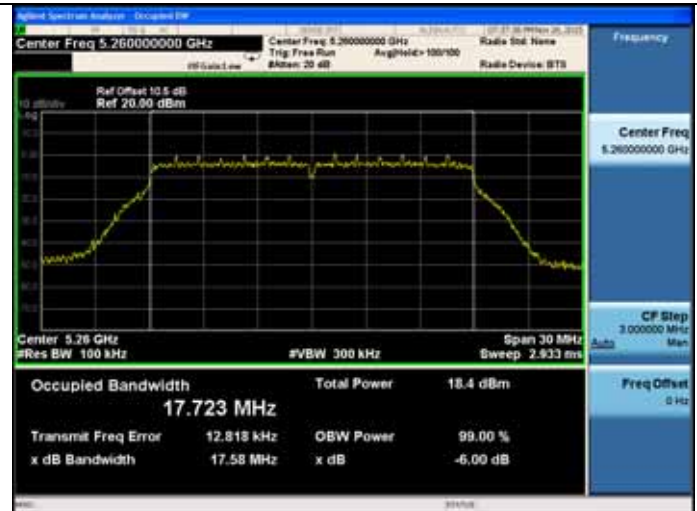
11a

5260MHz

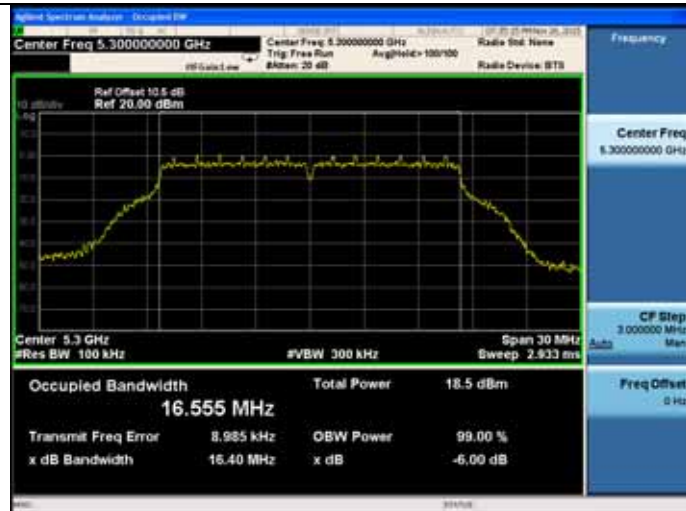


11n HT20

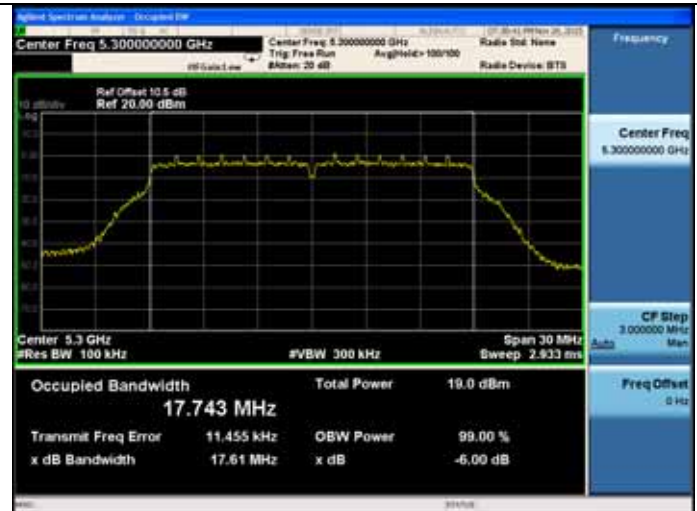
5260MHz



5300MHz



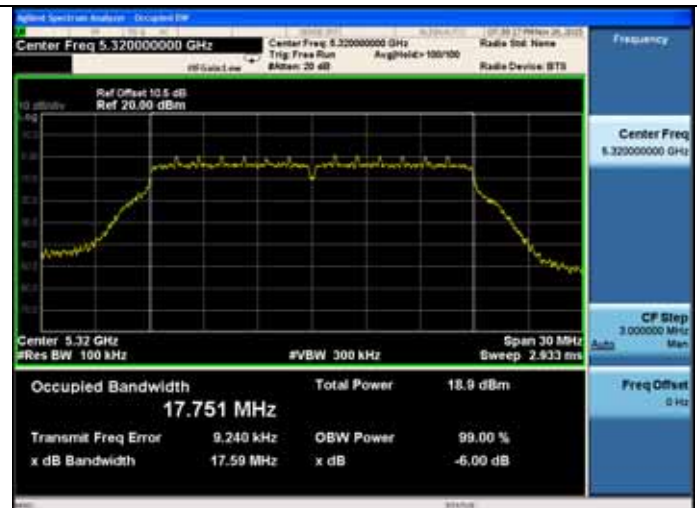
5300MHz



5320MHz

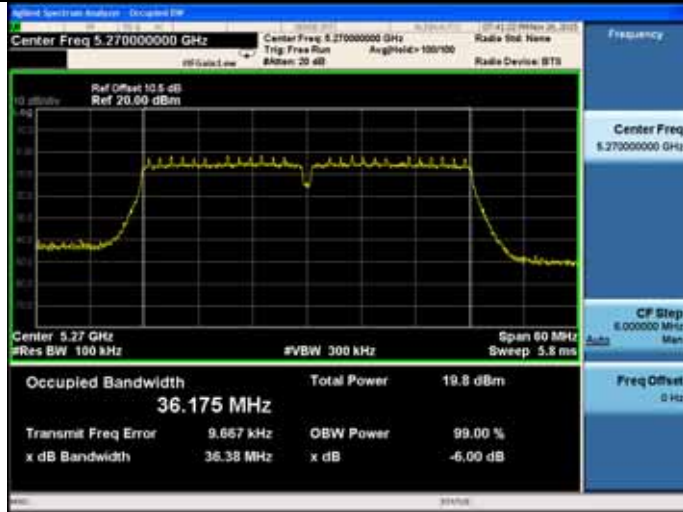


5320MHz

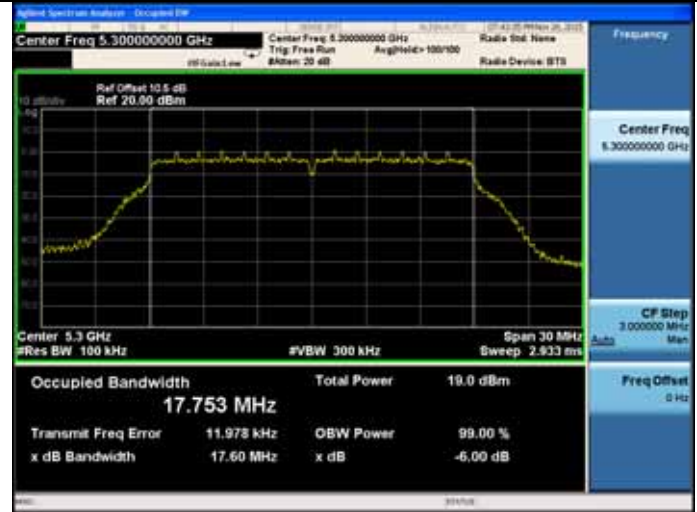


11n HT40

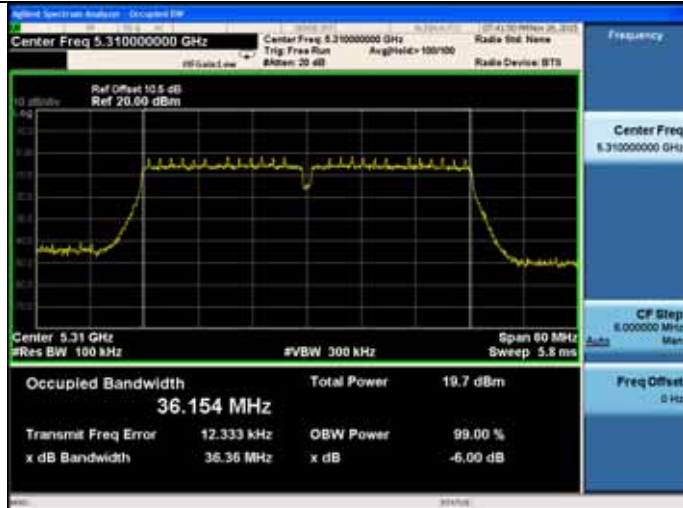
5270MHz



5300MHz



5310MHz

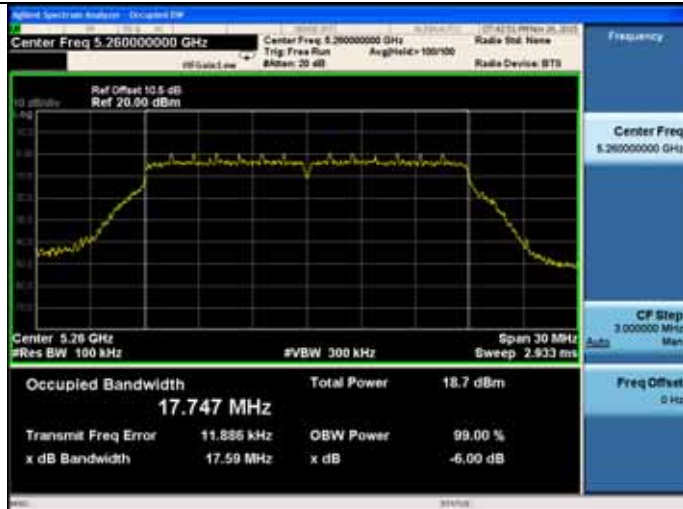


5320MHz



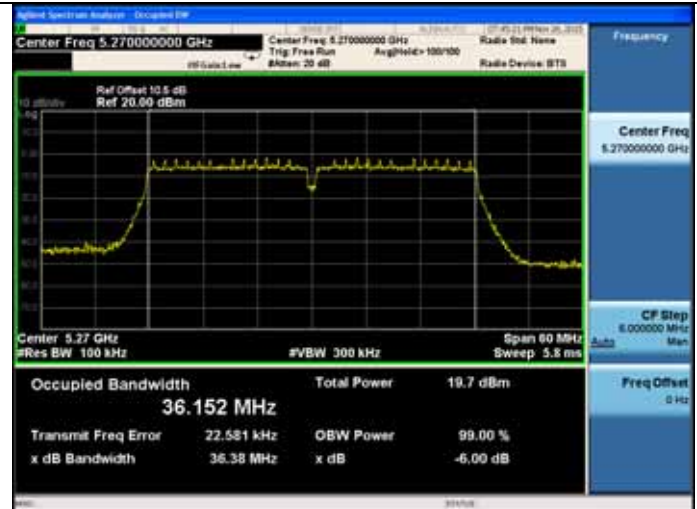
11ac VHT20

5260MHz

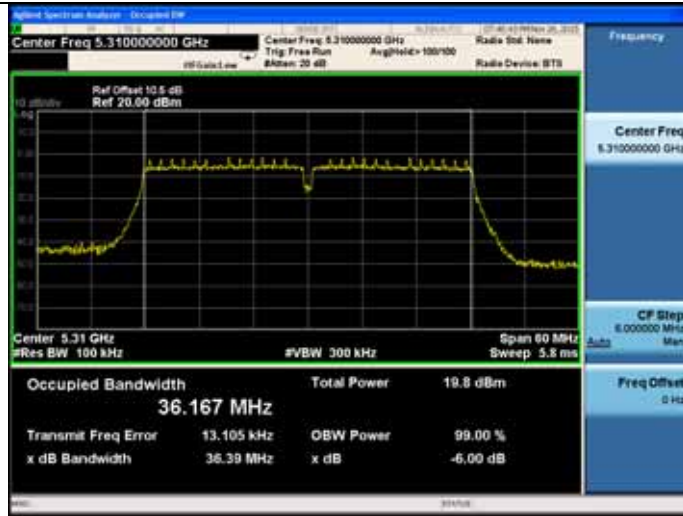


11ac VHT40

5270MHz

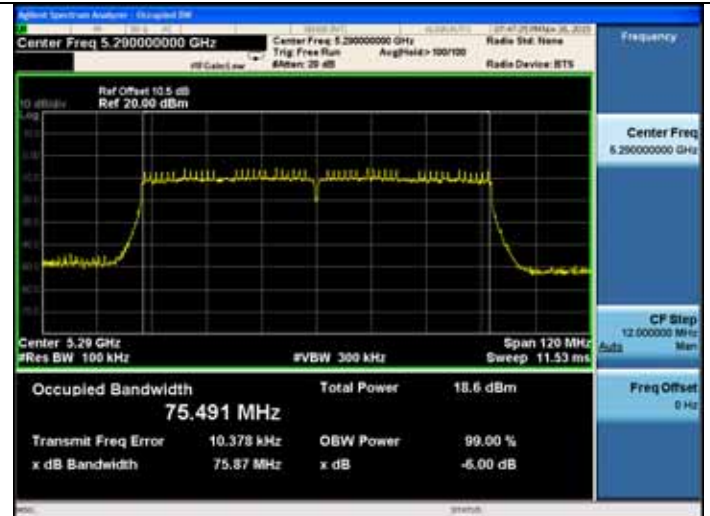


5310MHz



11ac VHT80

5290MHz



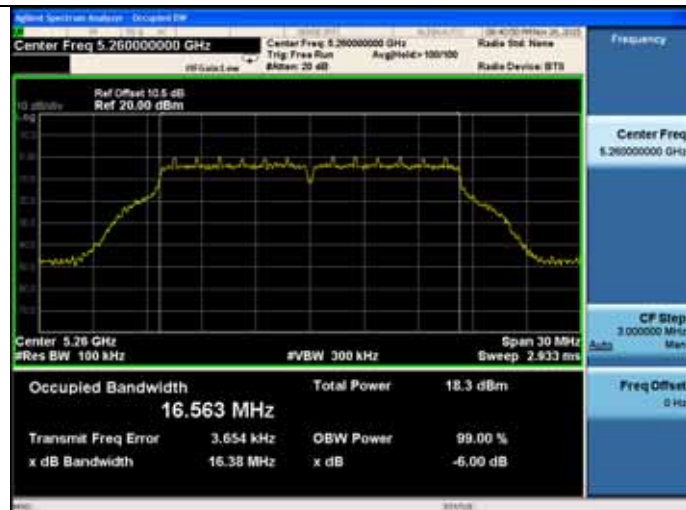
5260-5320MHz Band:

6dB bandwidth

ANT 1

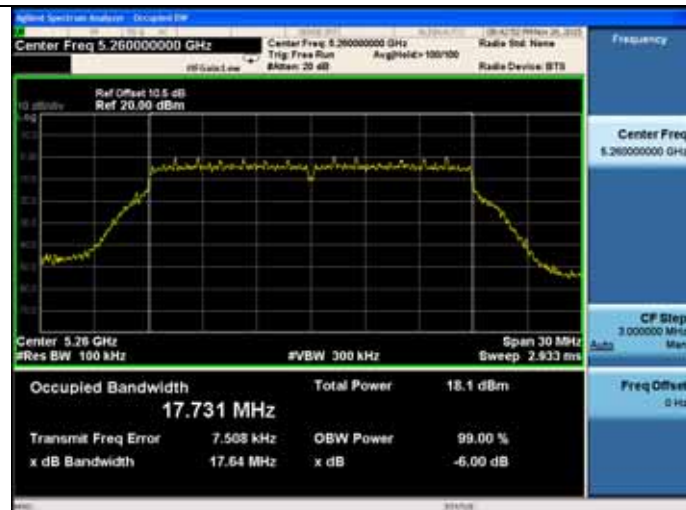
11a

5260MHz

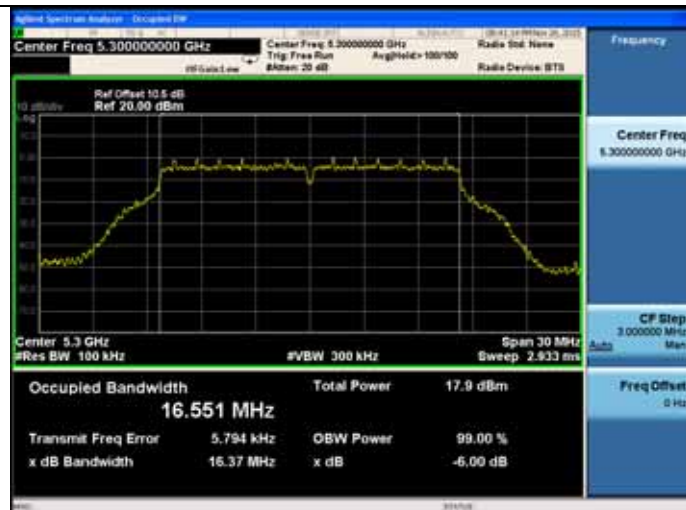


11n HT20

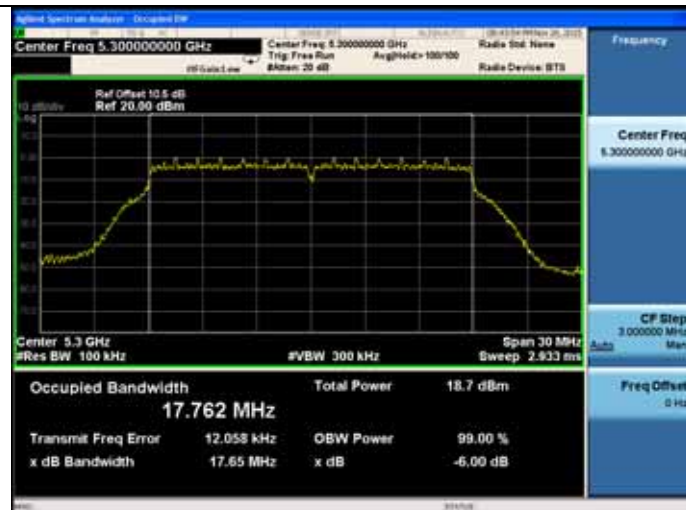
5260MHz



5300MHz



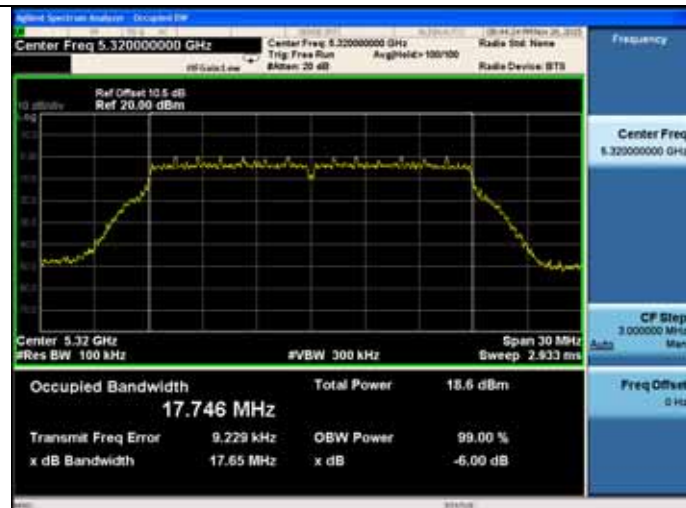
5300MHz



5320MHz

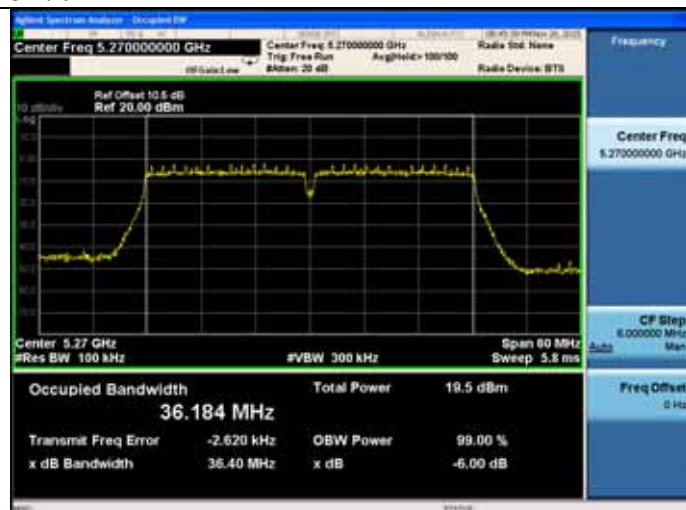


5320MHz

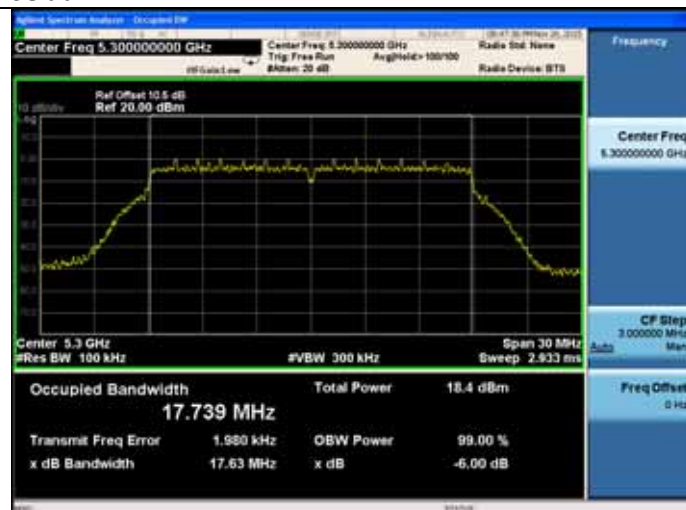


11n HT40

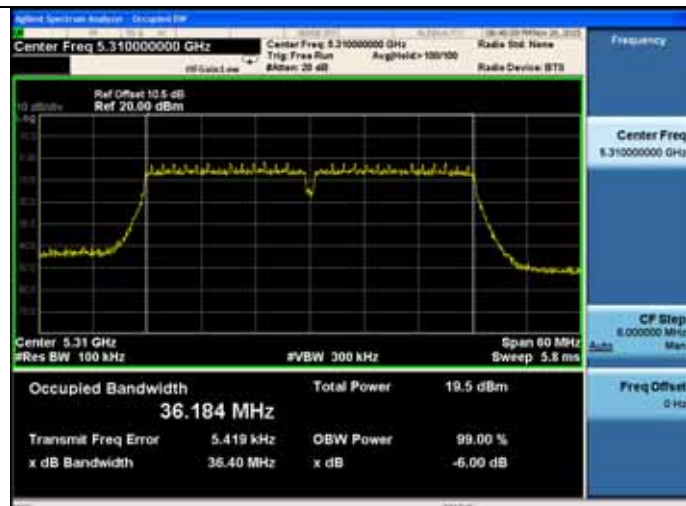
5270MHz



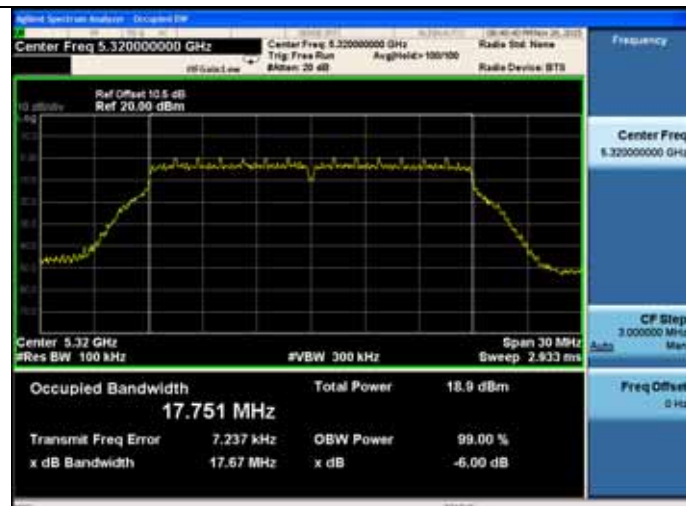
5300MHz



5310MHz

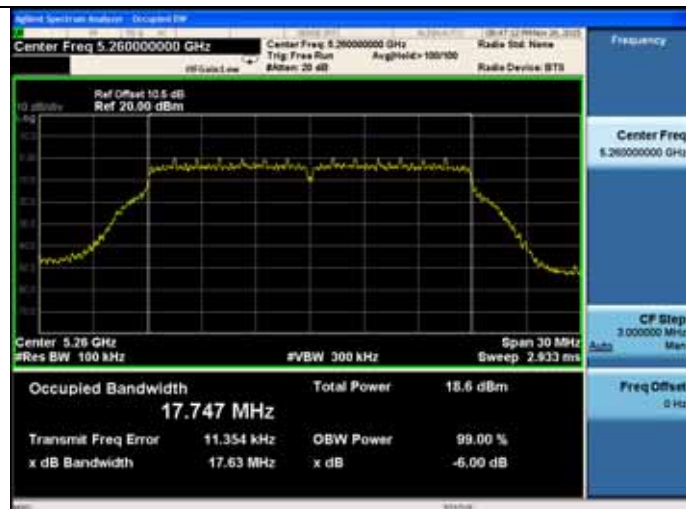


5320MHz



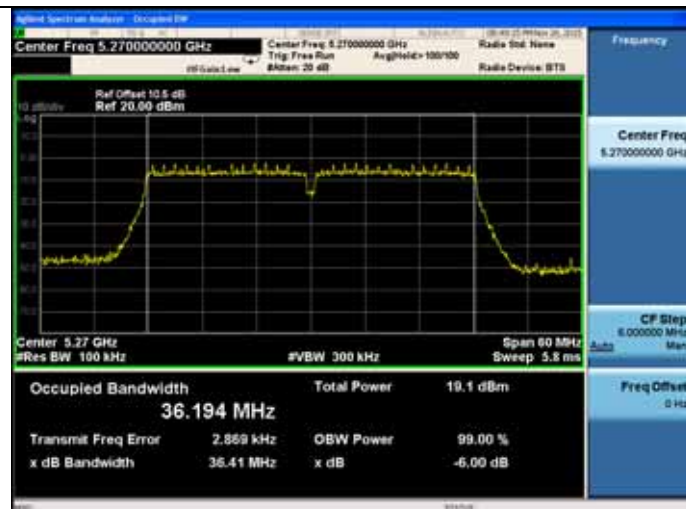
11ac VHT20

5260MHz

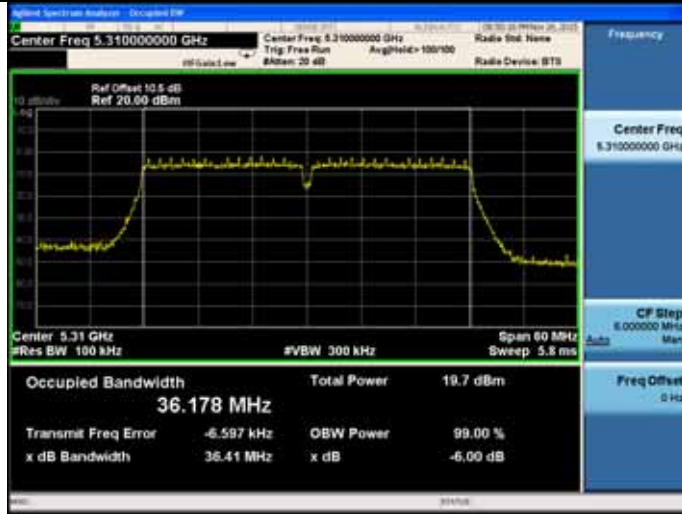


11ac VHT40

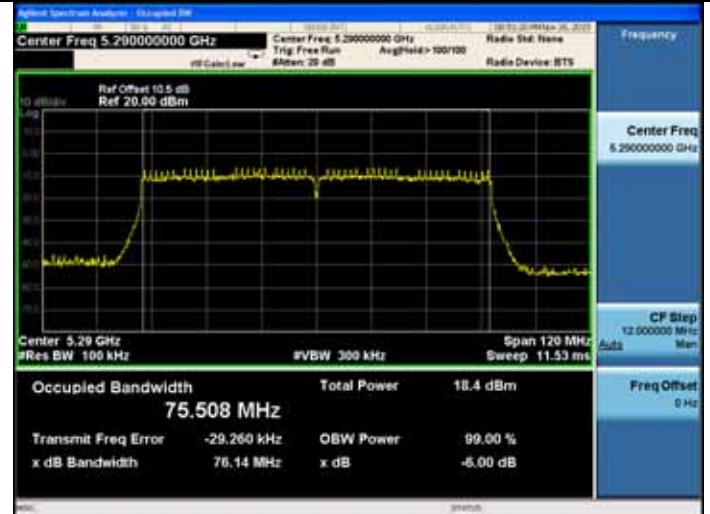
5270MHz



5310MHz



11ac VHT80
5290MHz



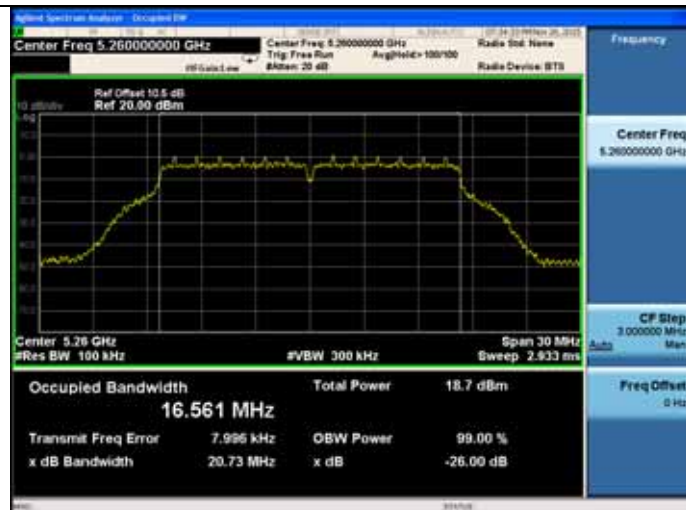
5260-5320MHz Band:

26dB bandwidth

ANT 0

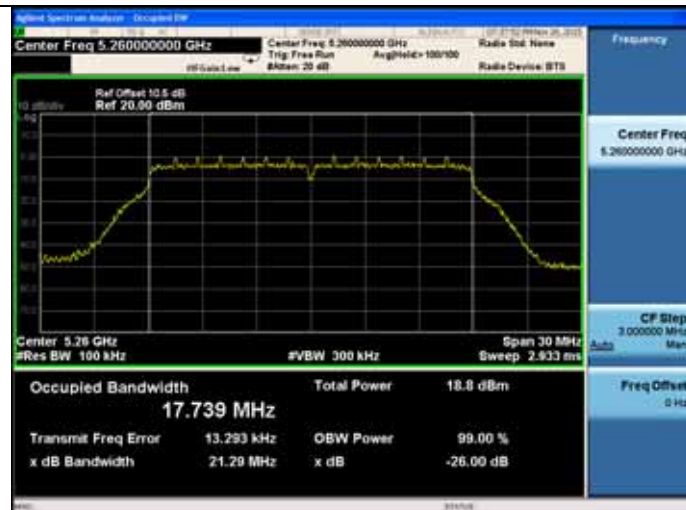
11a

5260MHz

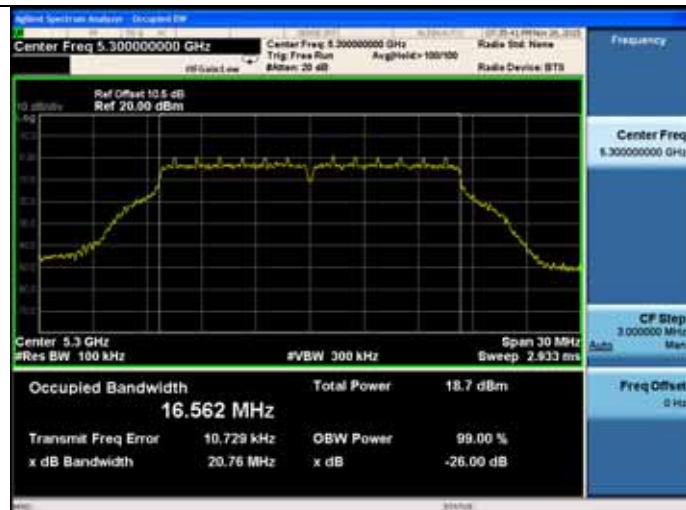


11n HT20

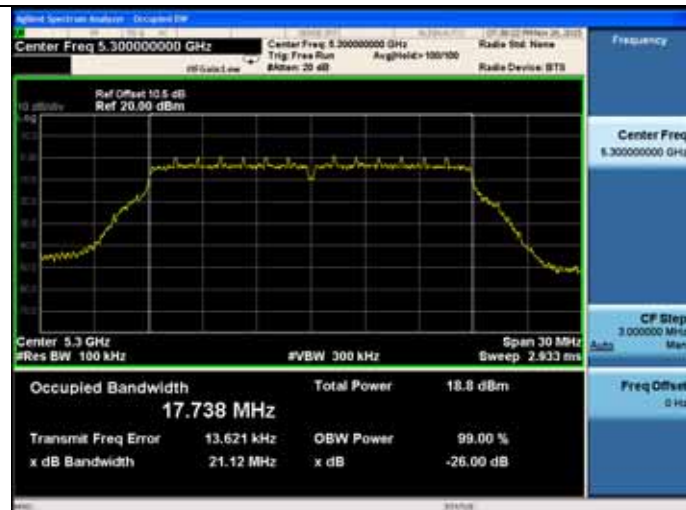
5260MHz



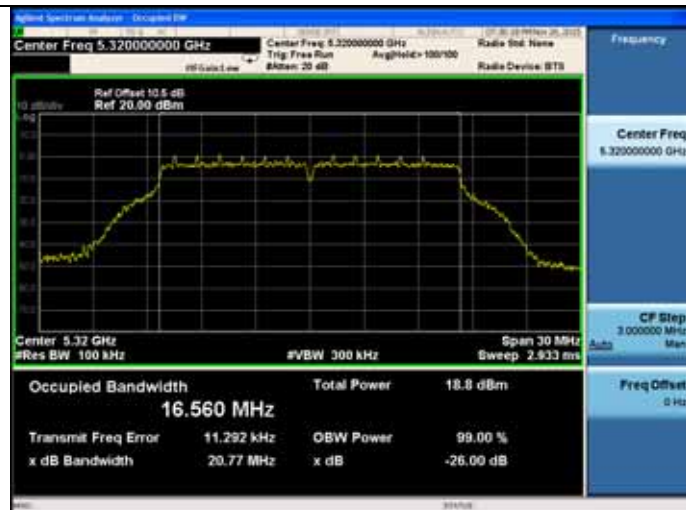
5300MHz



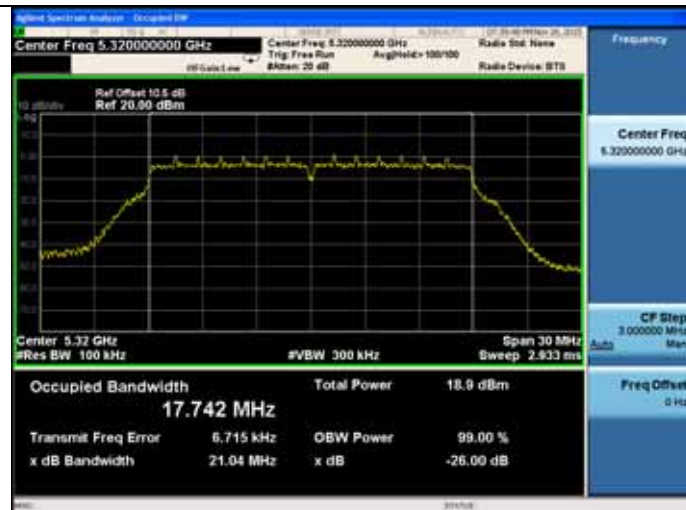
5300MHz



5320MHz

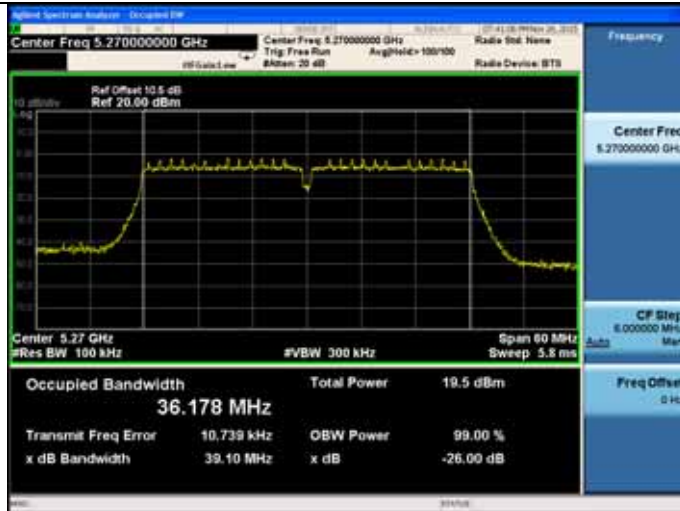


5320MHz

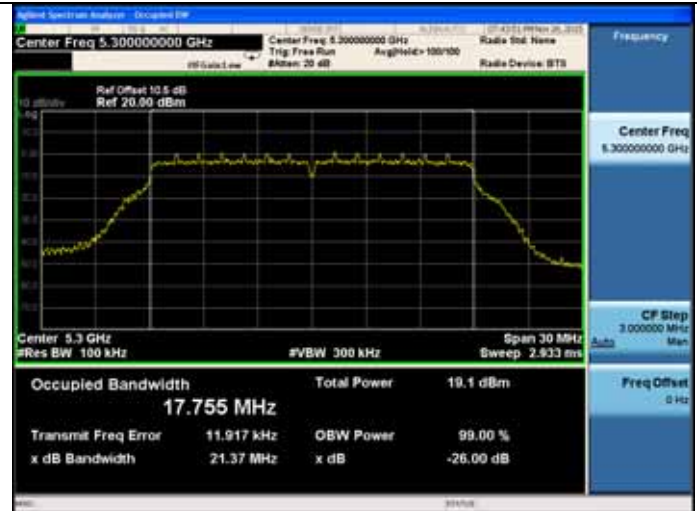


11n HT40

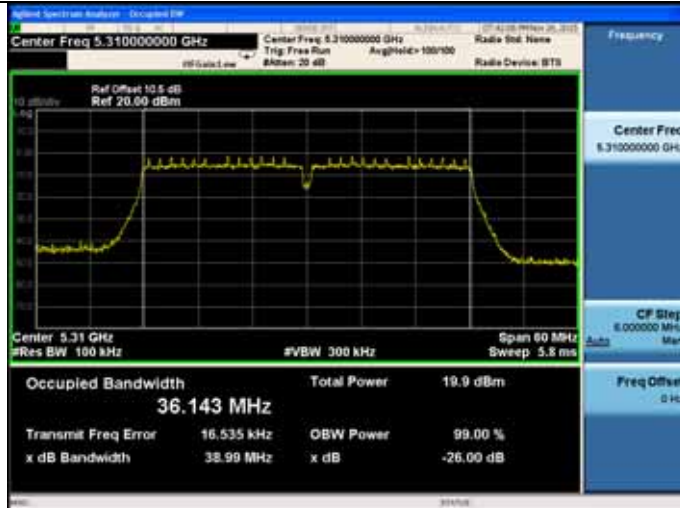
5270MHz



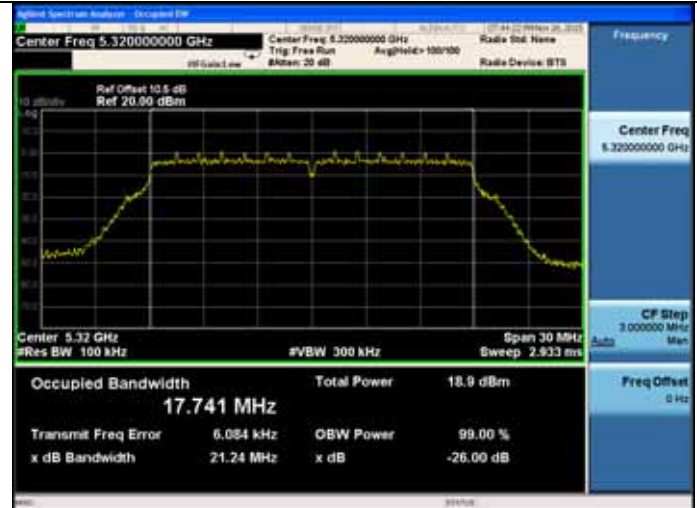
5300MHz



5310MHz

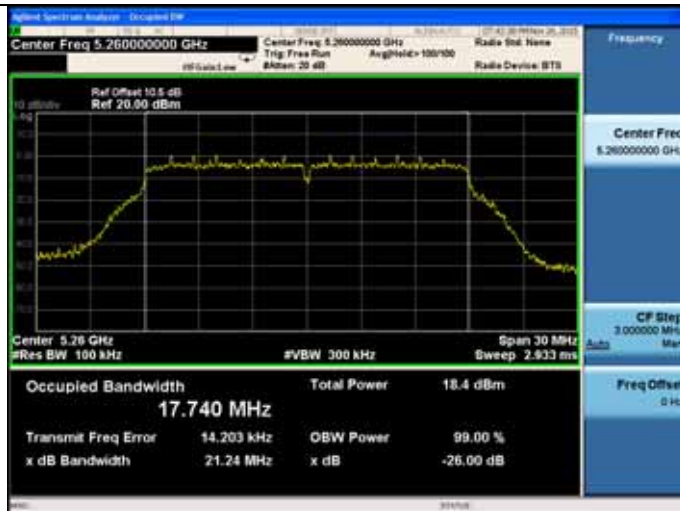


5320MHz



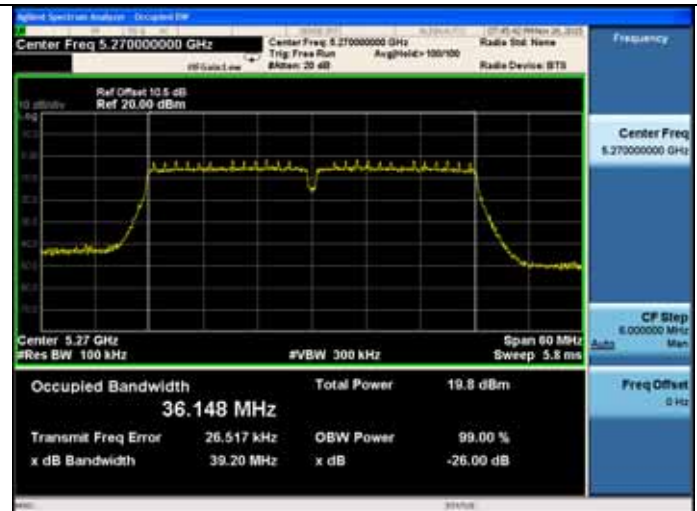
11ac VHT20

5260MHz

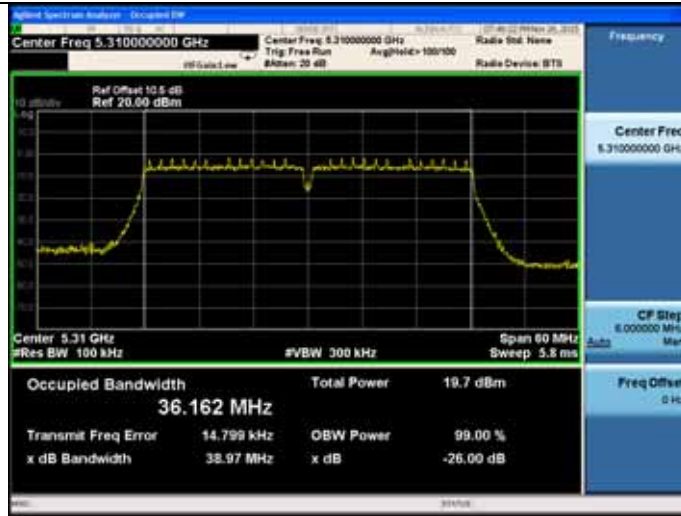


11ac VHT40

5270MHz

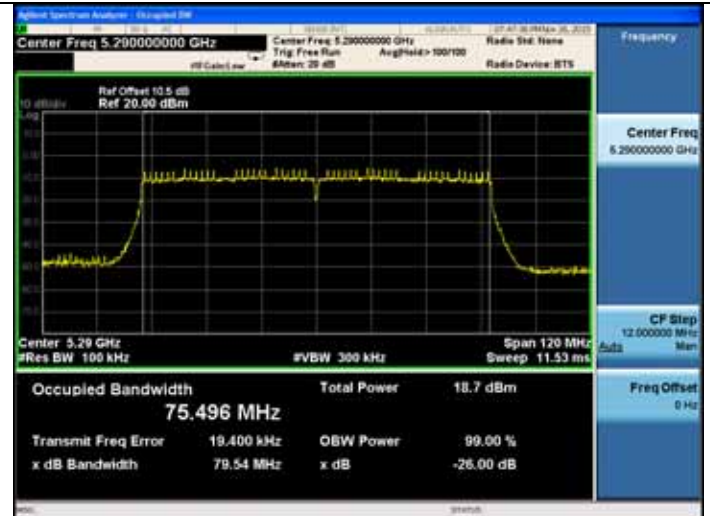


5310MHz



11ac VHT80

5290MHz



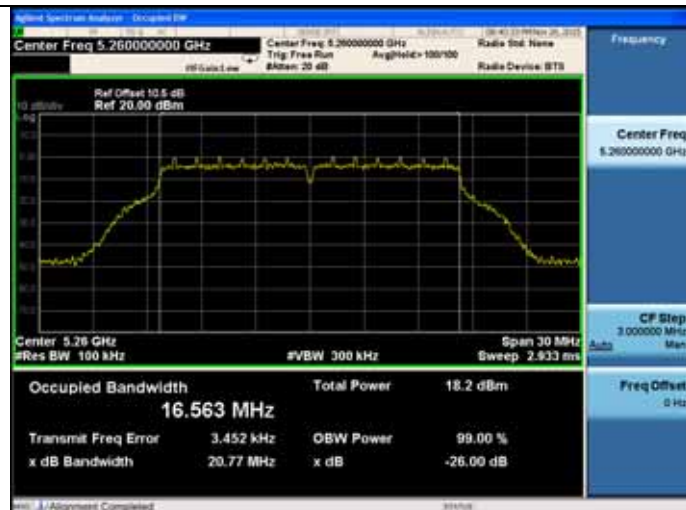
5260-5320MHz Band:

26dB bandwidth

ANT 1

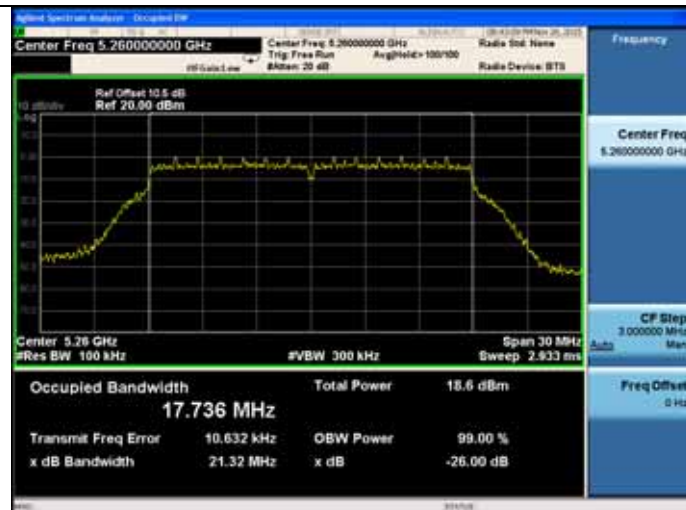
11a

5260MHz

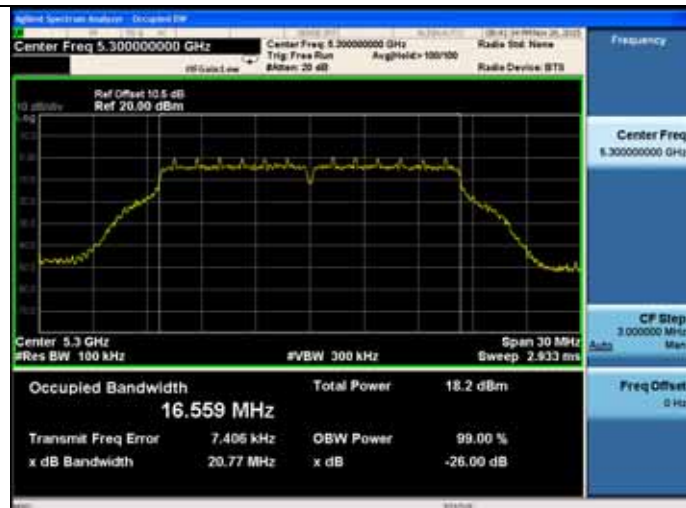


11n HT20

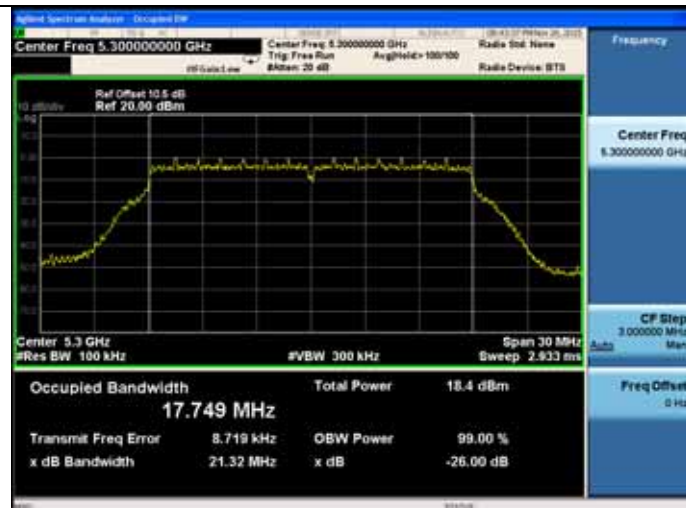
5260MHz



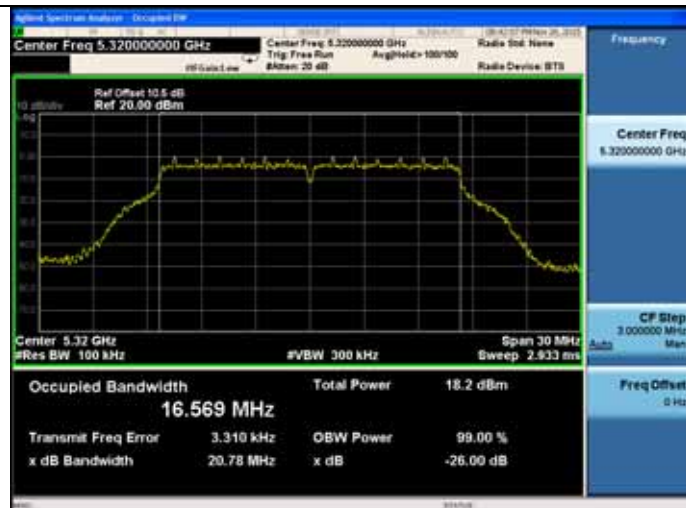
5300MHz



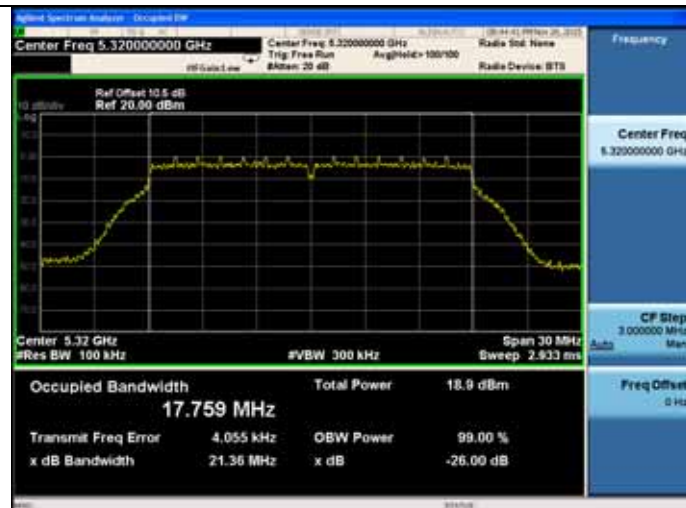
5300MHz



5320MHz

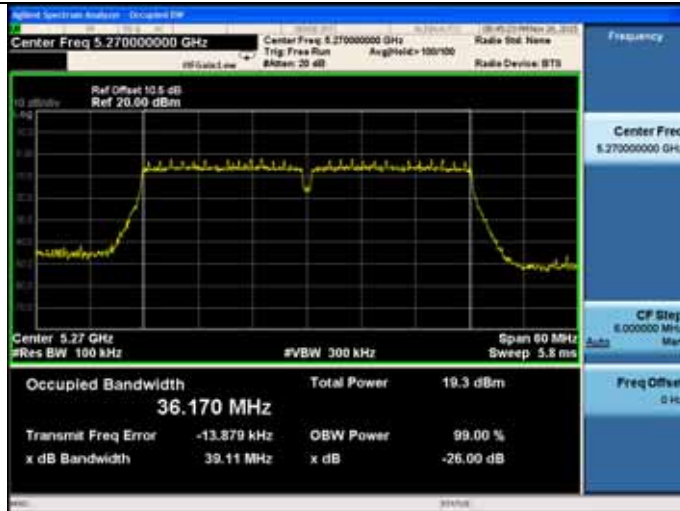


5320MHz

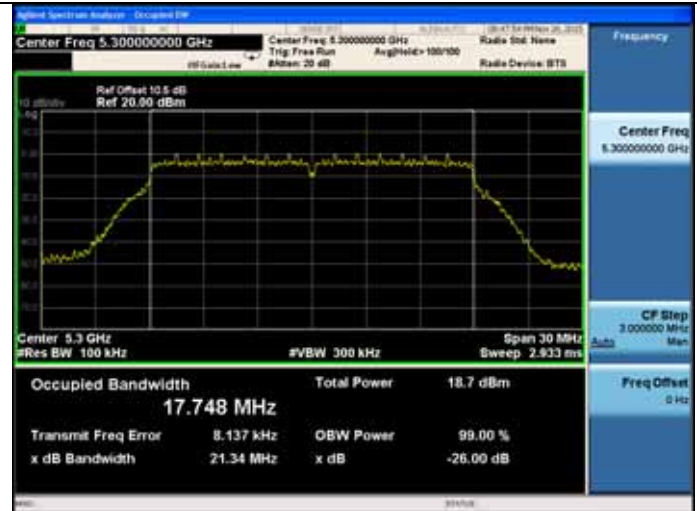


11n HT40

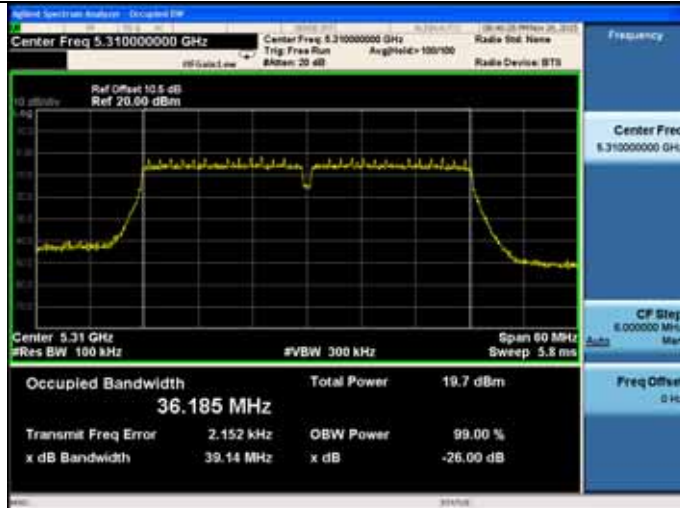
5270MHz



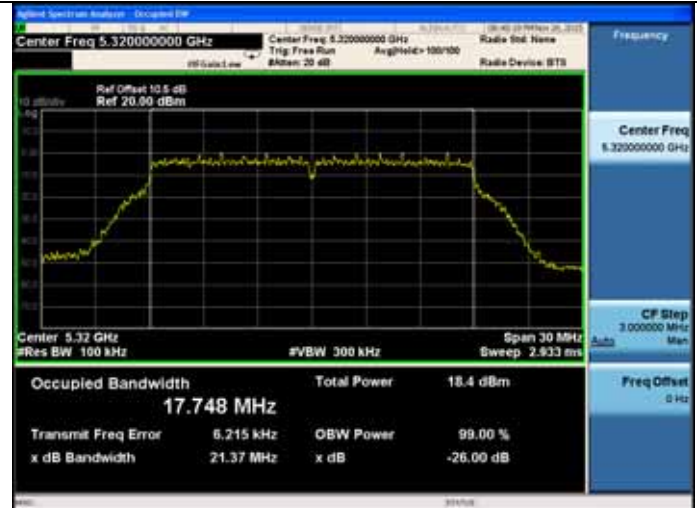
5300MHz



5310MHz

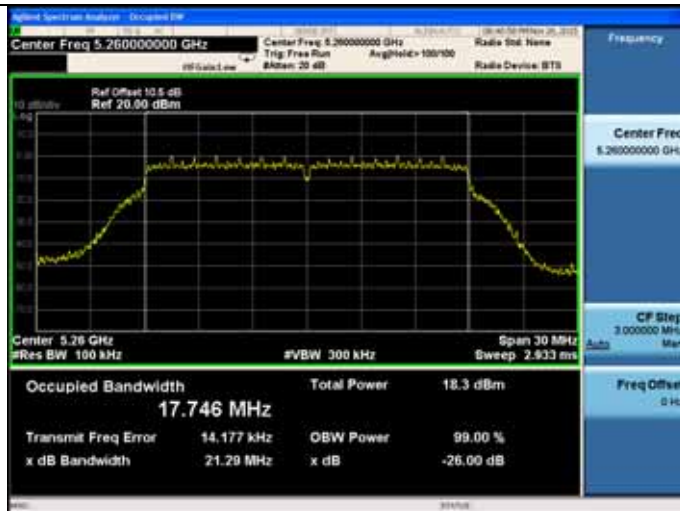


5320MHz



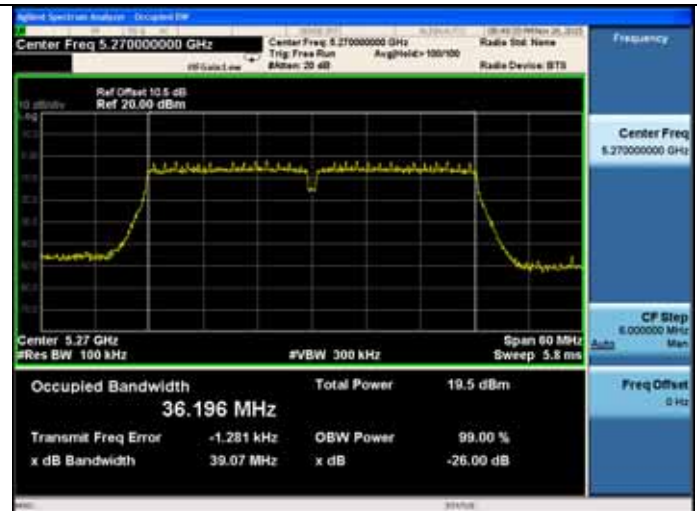
11ac VHT20

5260MHz

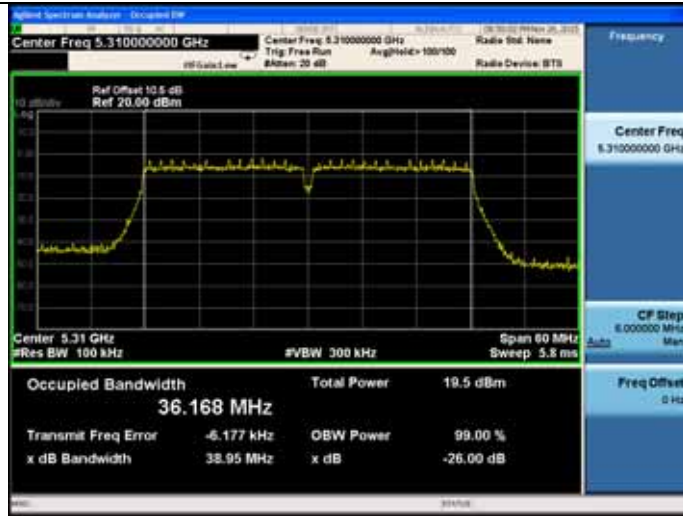


11ac VHT40

5270MHz

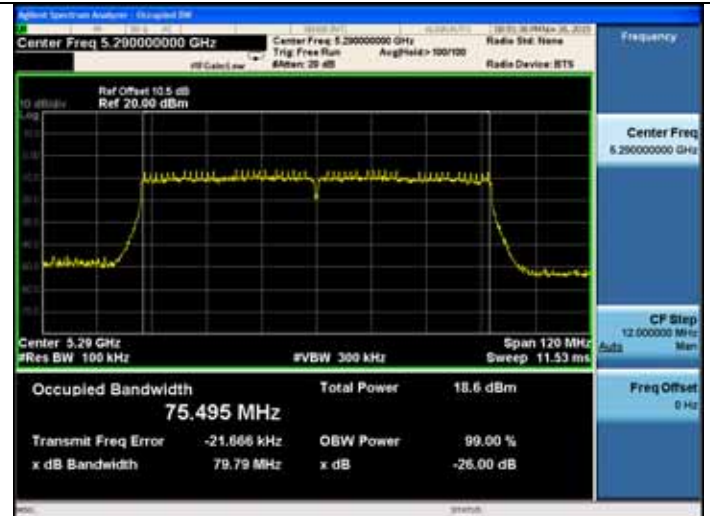


5310MHz



11ac VHT80

5290MHz



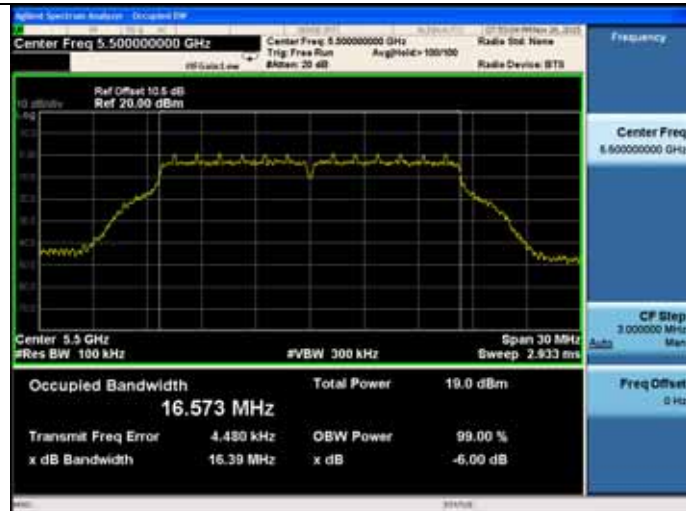
5500-5700MHz Band:

6dB bandwidth

ANT 0

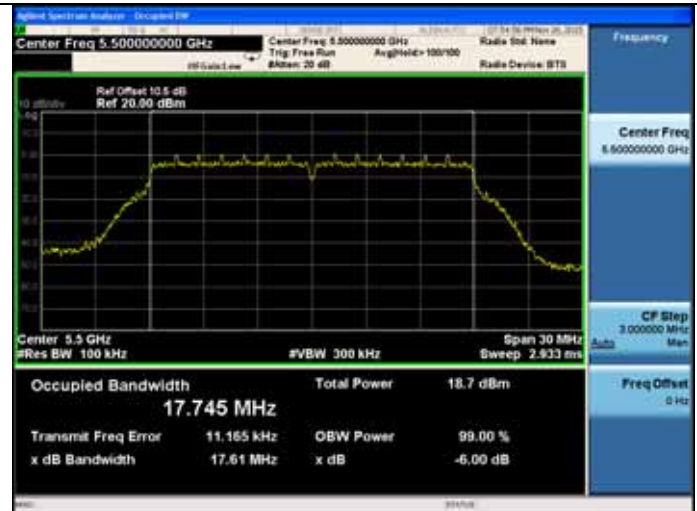
11a

5500MHz

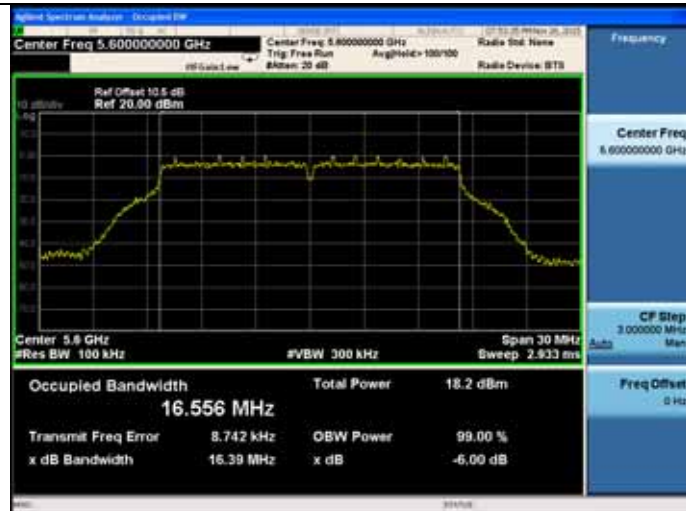


11n HT20

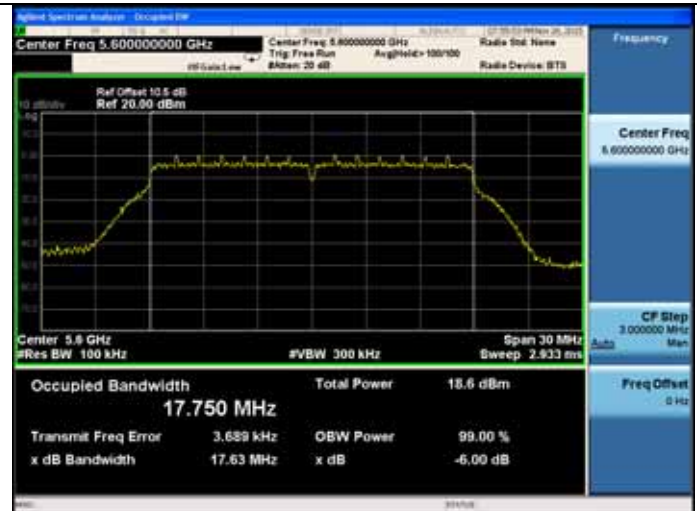
5500MHz



5600MHz



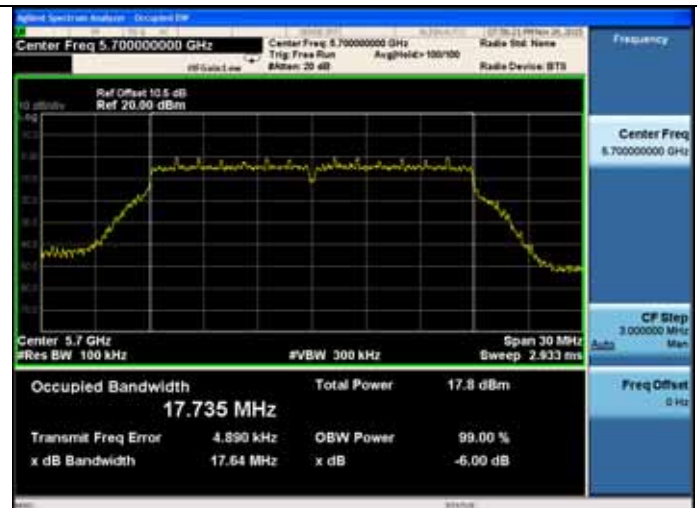
5600MHz



5700MHz

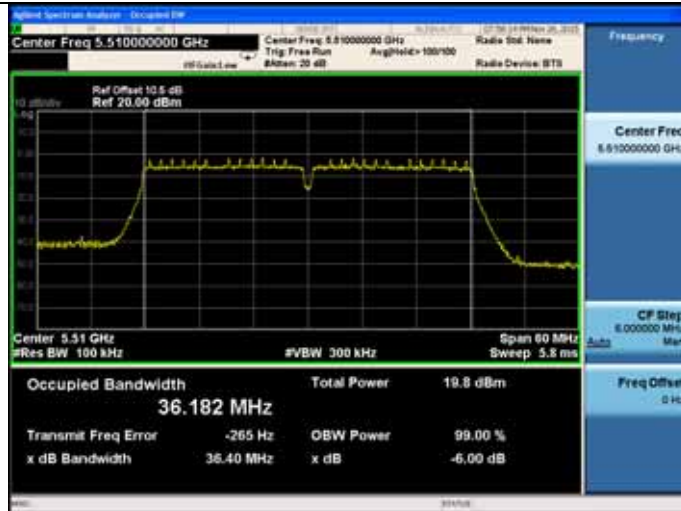


5700MHz



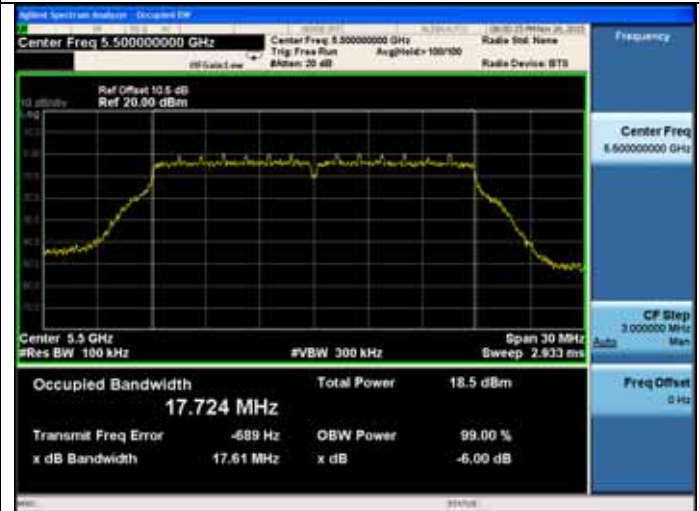
11n HT40

5510MHz

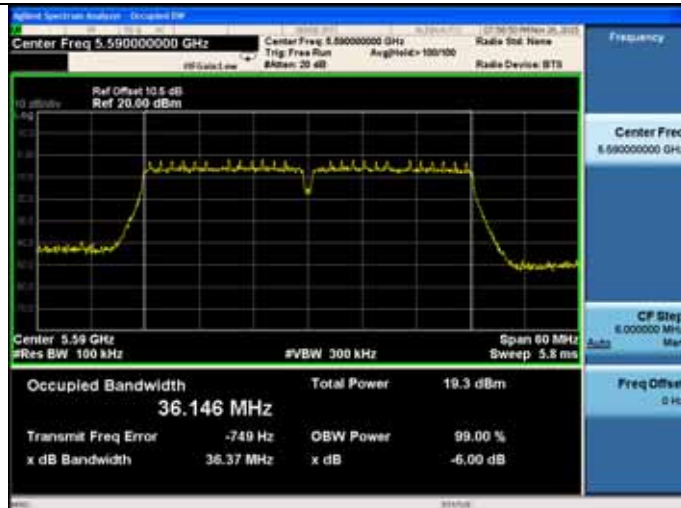


11ac VHT20

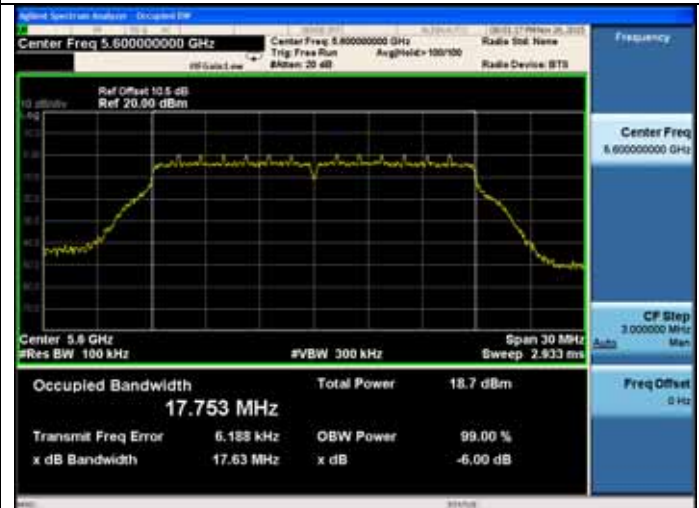
5500MHz



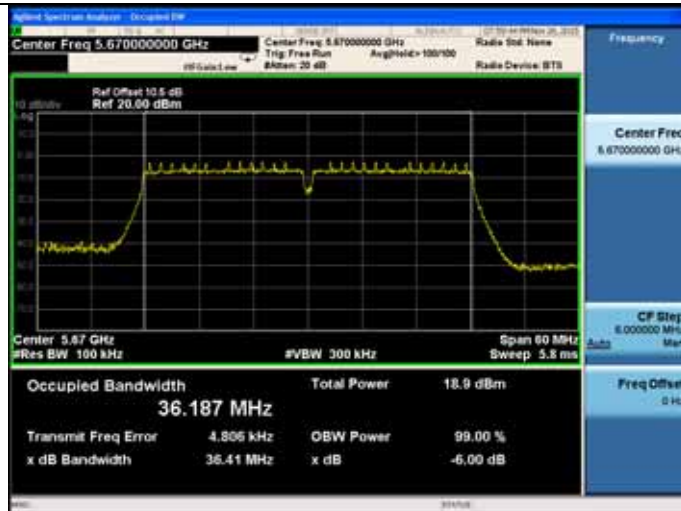
5590MHz



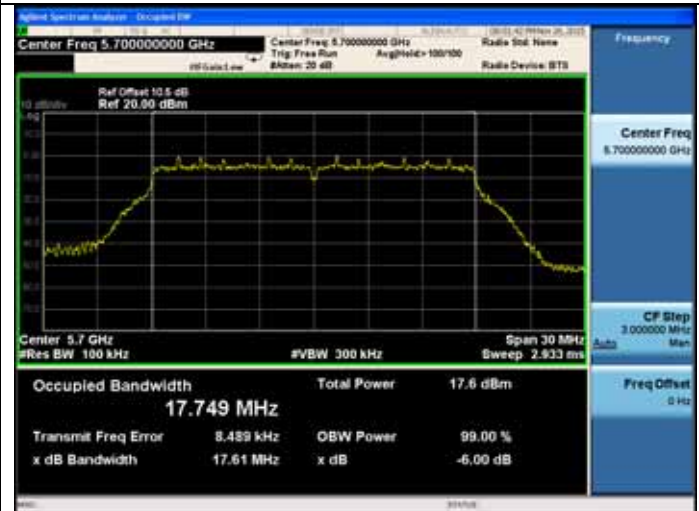
5600MHz



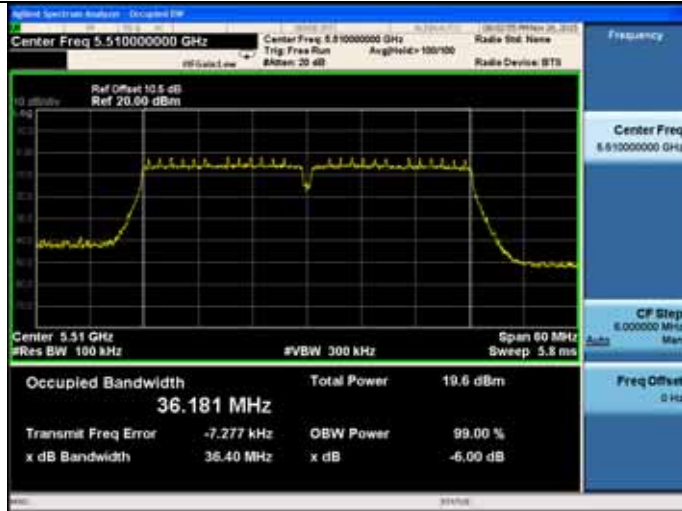
5670MHz



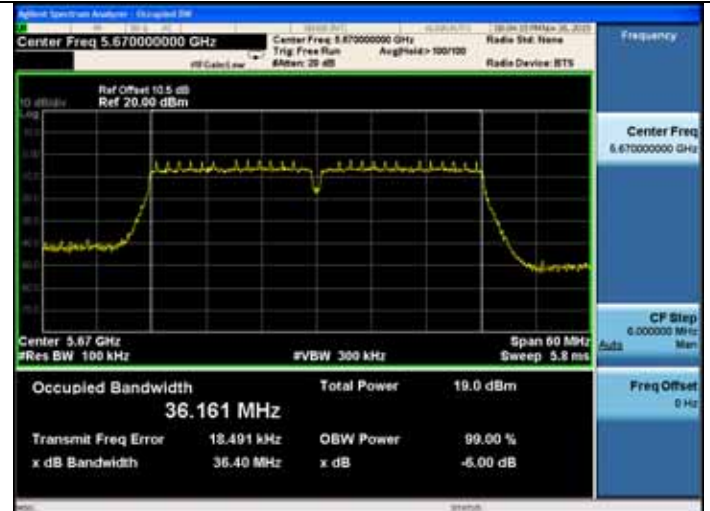
5700MHz



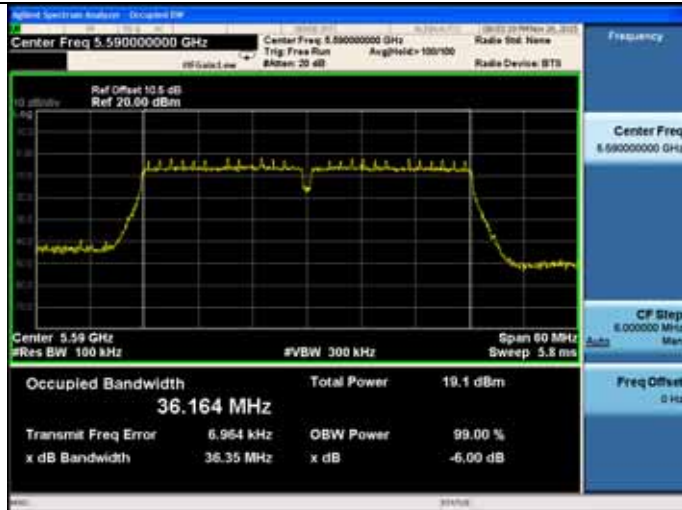
11ac VHT40
5510MHz



5670MHz

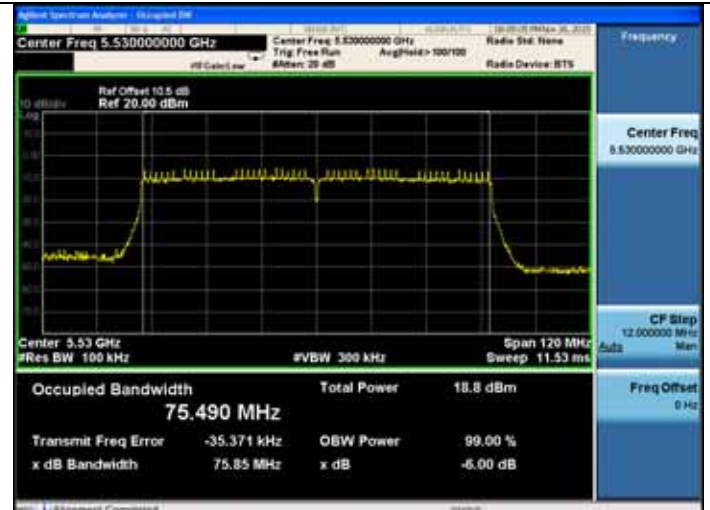


5590MHz



11ac VHT80

5530MHz



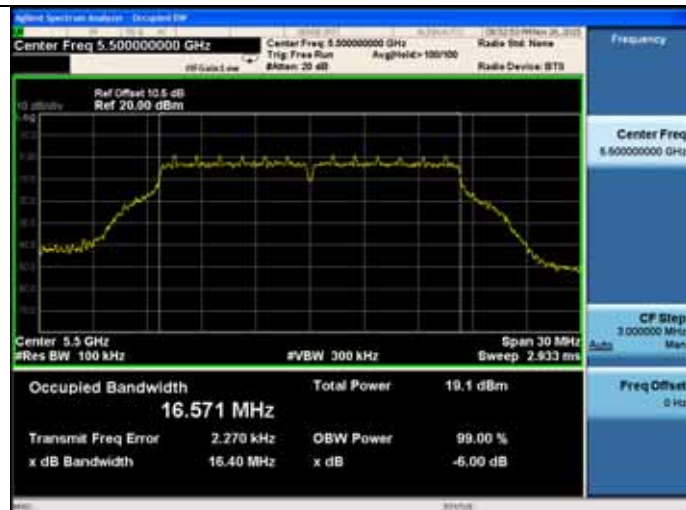
5500-5700MHz Band:

6dB bandwidth

ANT 1

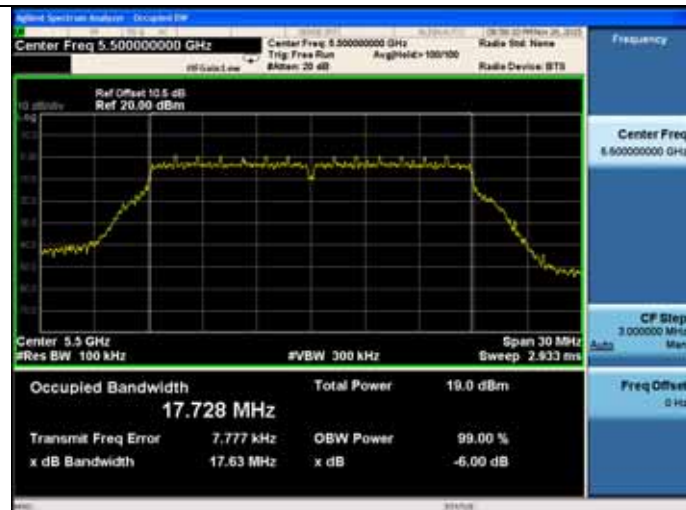
11a

5500MHz

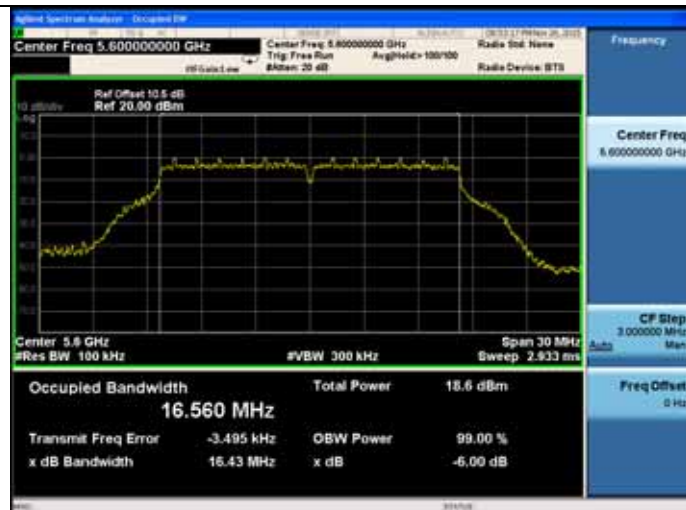


11n HT20

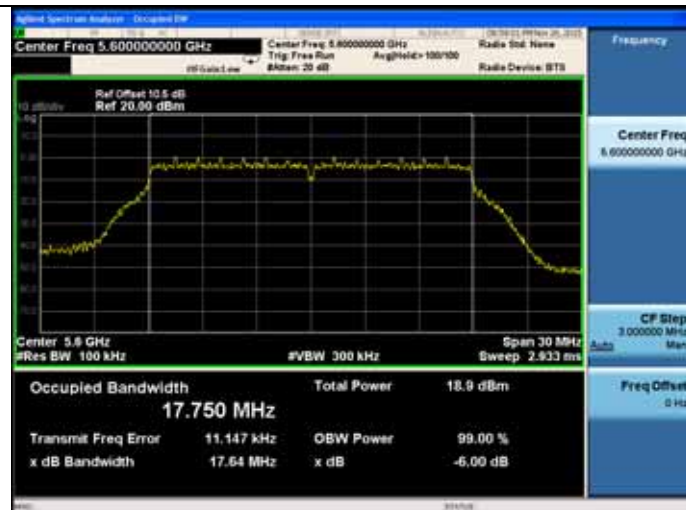
5500MHz



5600MHz



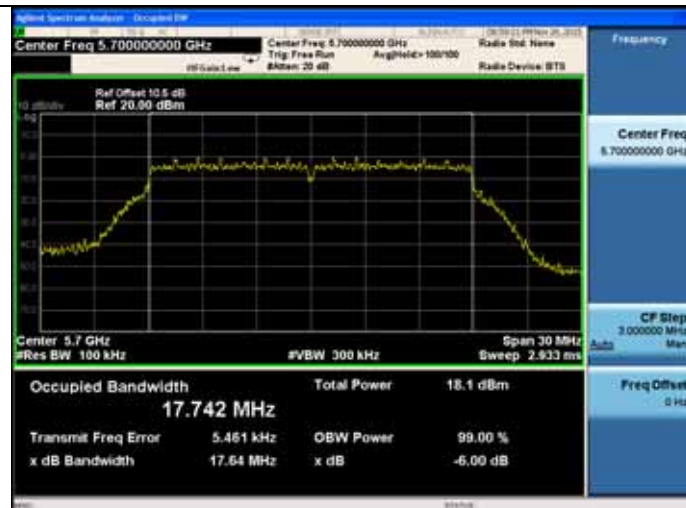
5600MHz



5700MHz

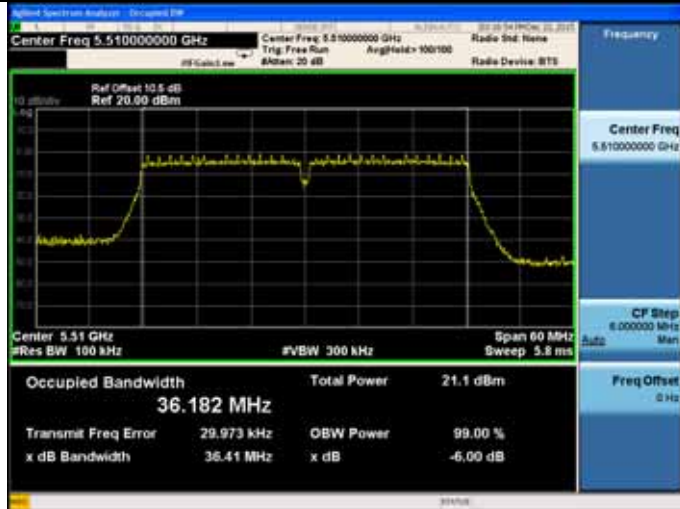


5700MHz



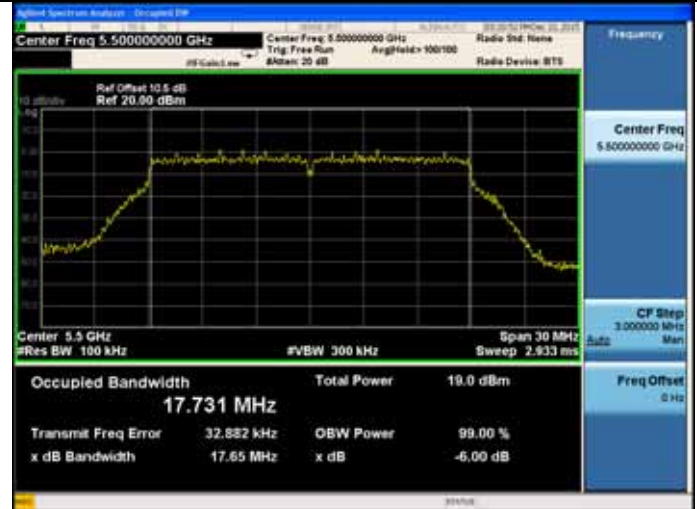
11n HT40

5510MHz

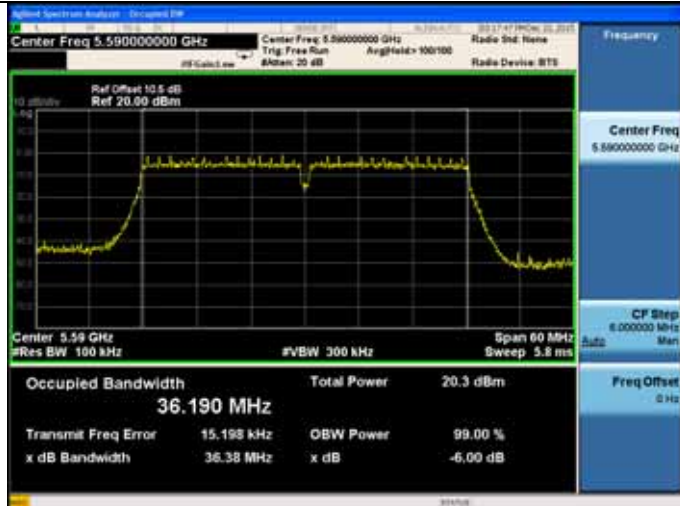


11ac VHT20

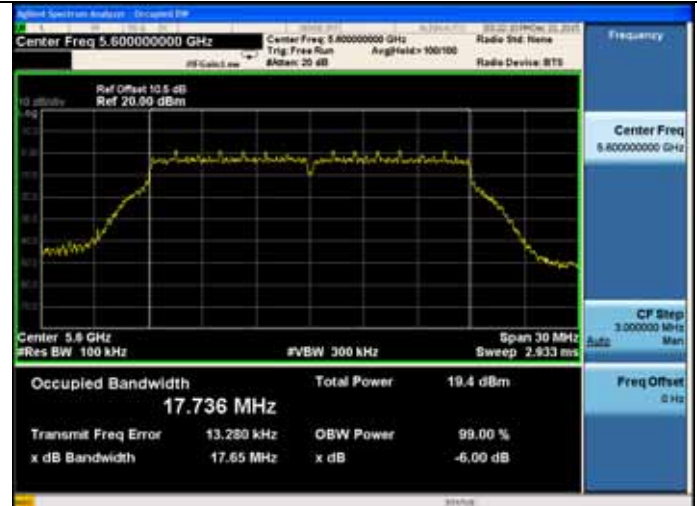
5500MHz



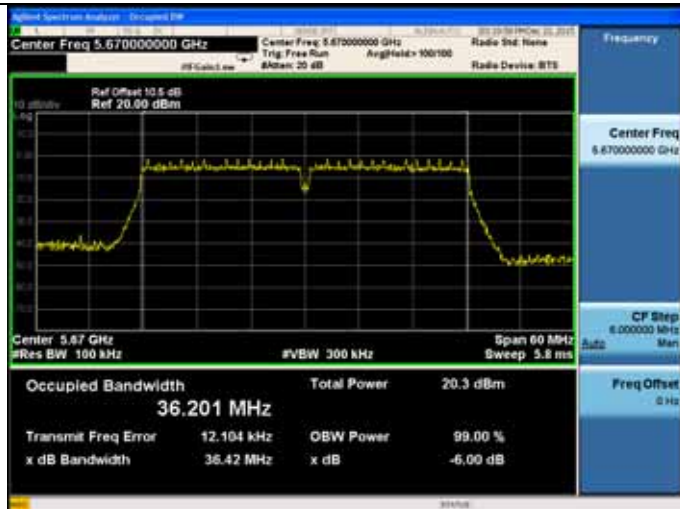
5590MHz



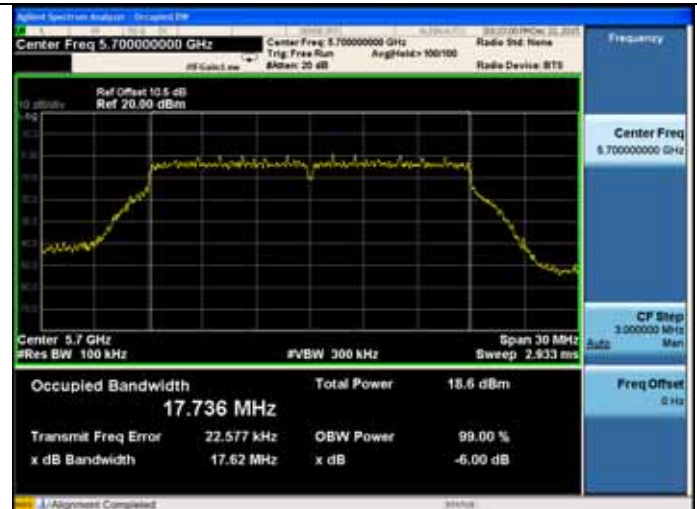
5600MHz



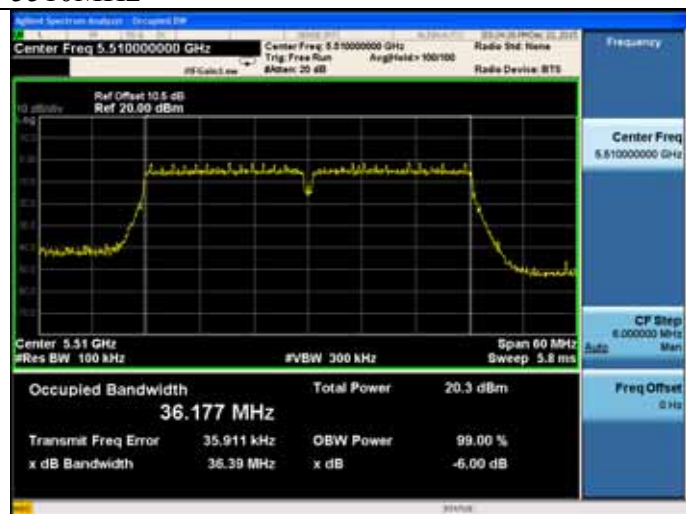
5670MHz



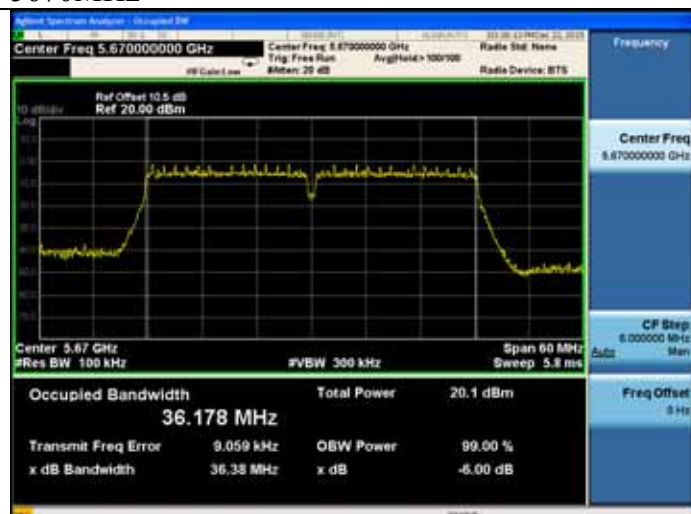
5700MHz



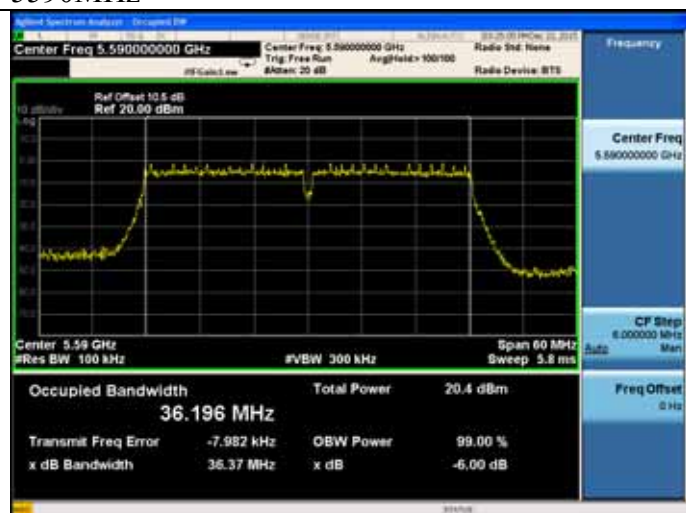
11ac VHT40 5510MHz



5670MHz

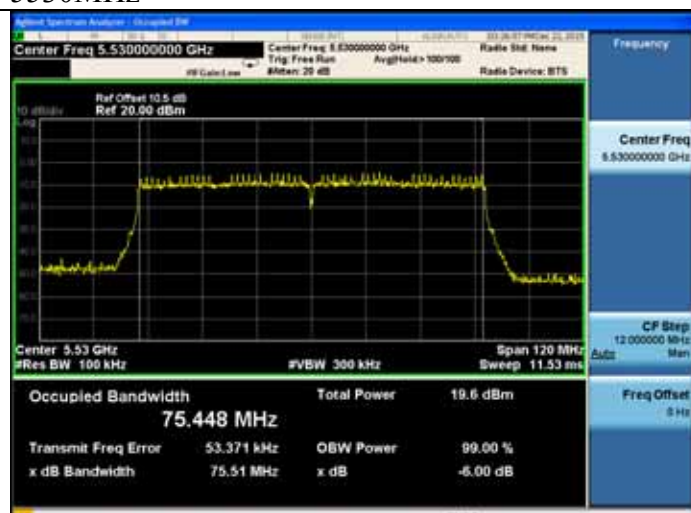


5590MHz



11ac VHT80

5530MHz



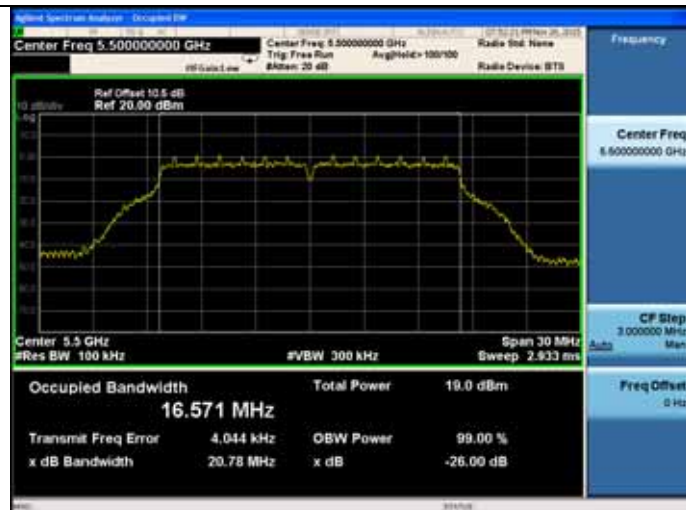
5500-5700MHz Band:

26dB bandwidth

ANT 0

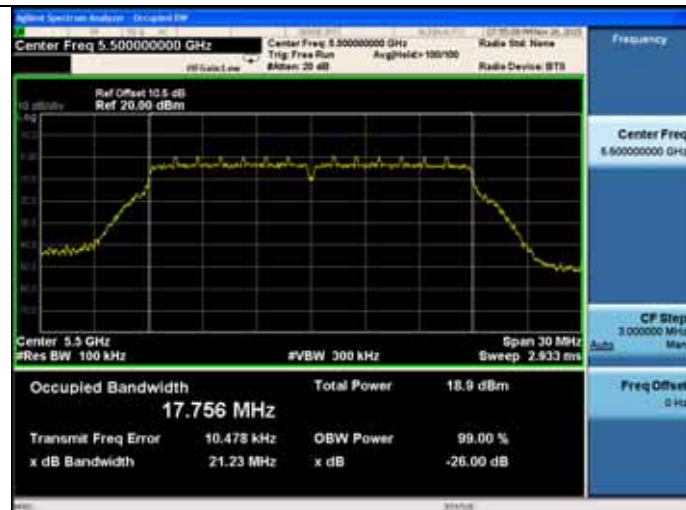
11a

5500MHz

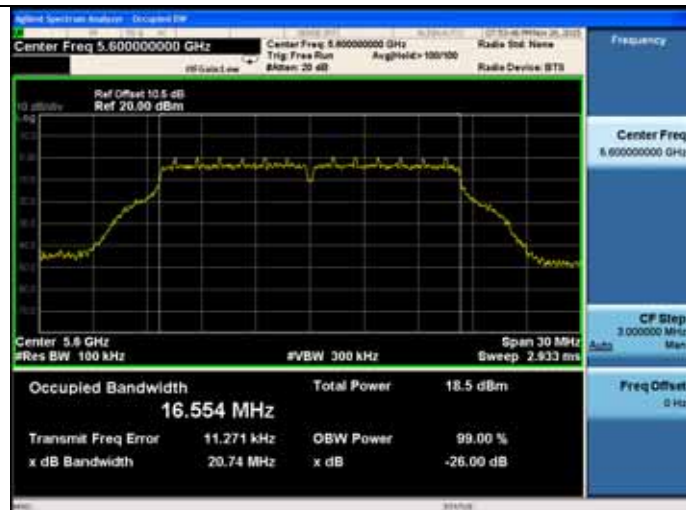


11n HT20

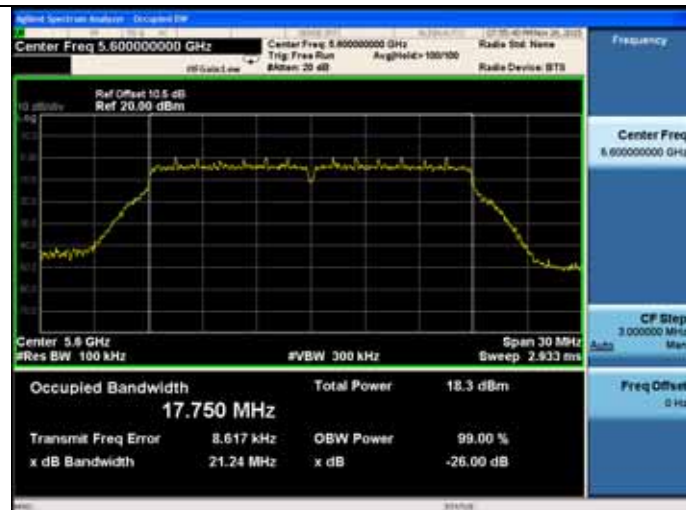
5500MHz



5600MHz



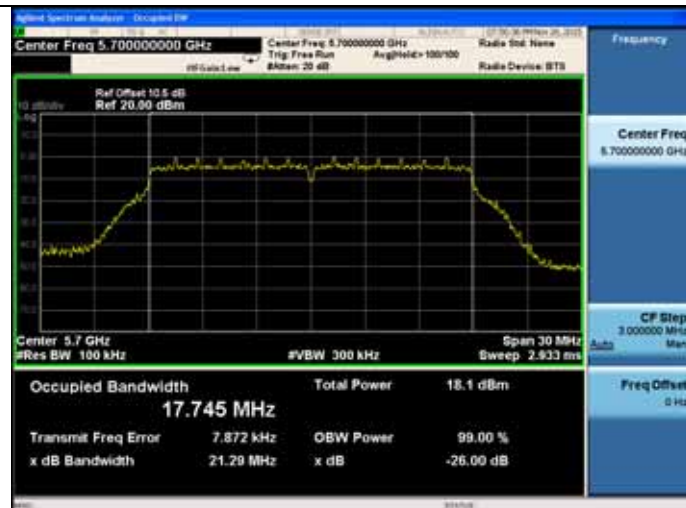
5600MHz



5700MHz

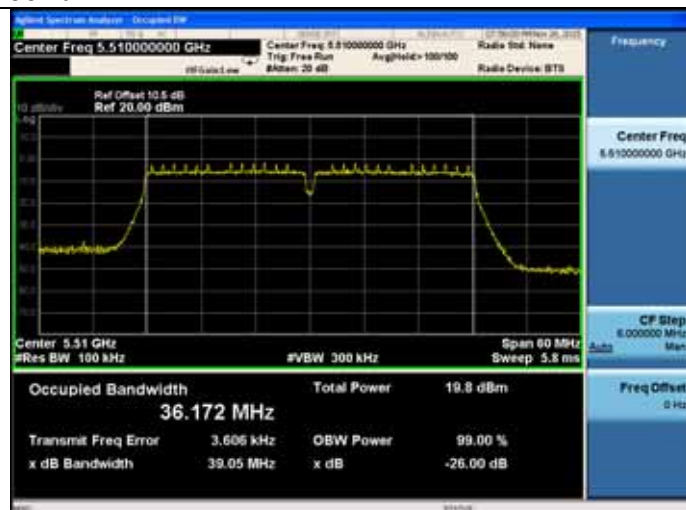


5700MHz



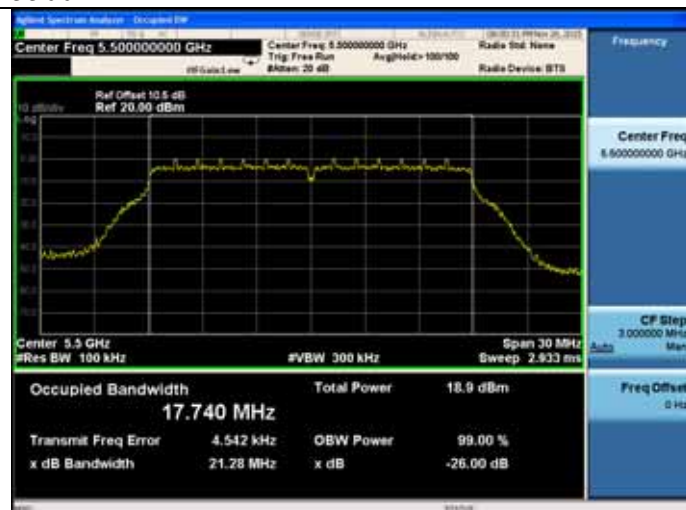
11n HT40

5510MHz

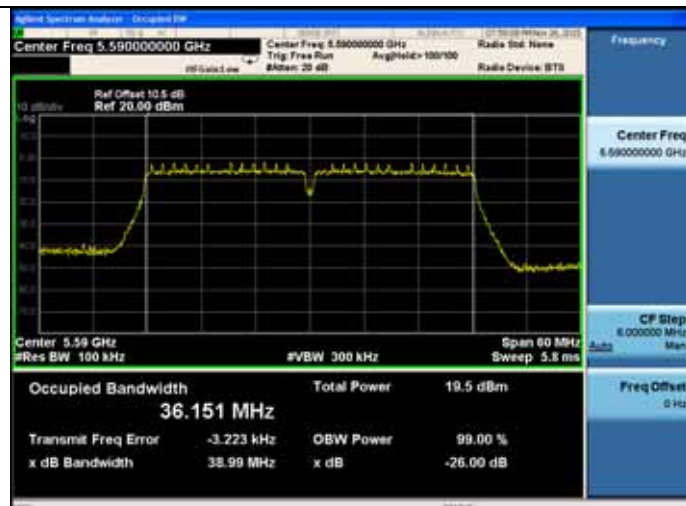


11ac VHT20

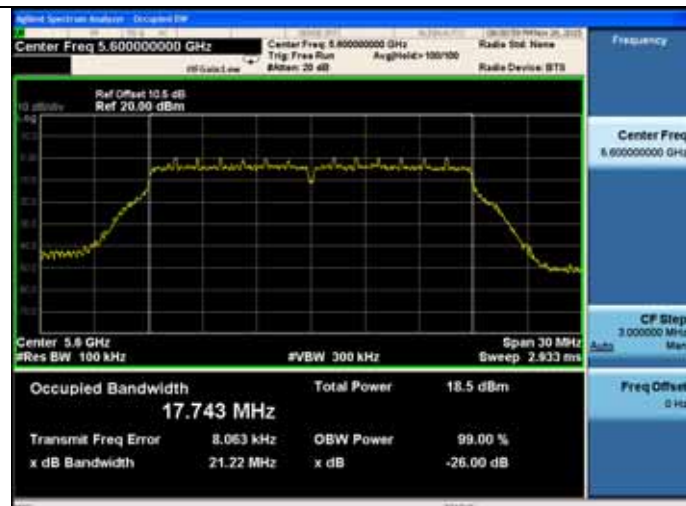
5500MHz



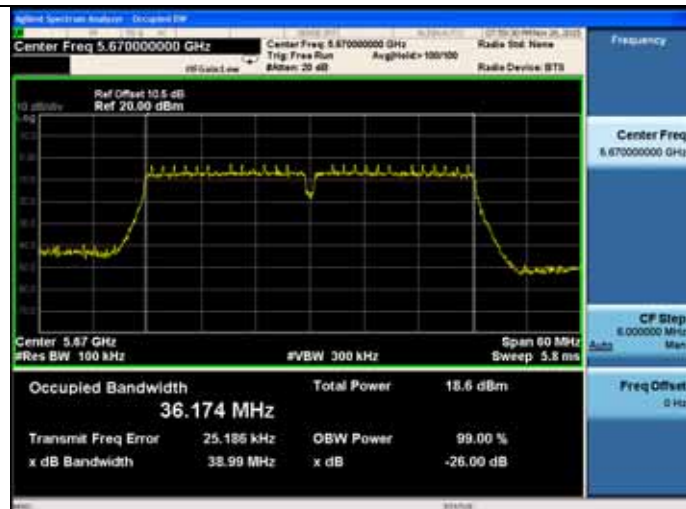
5590MHz



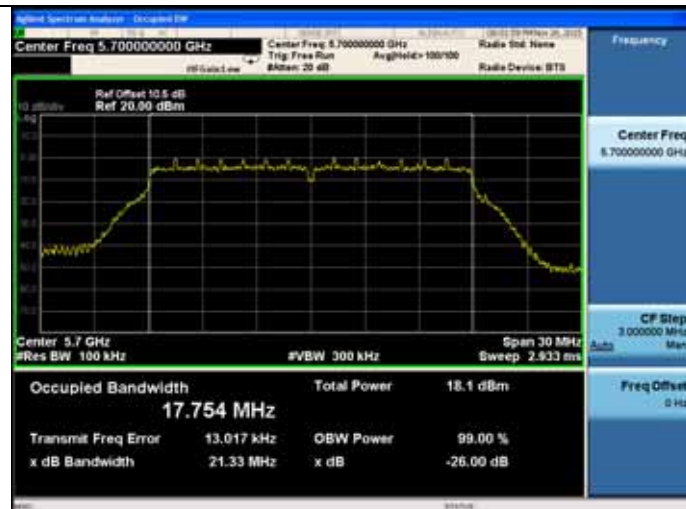
5600MHz



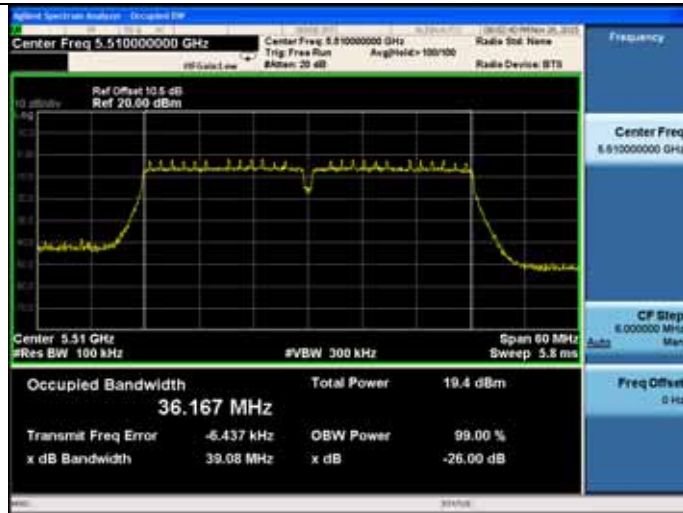
5670MHz



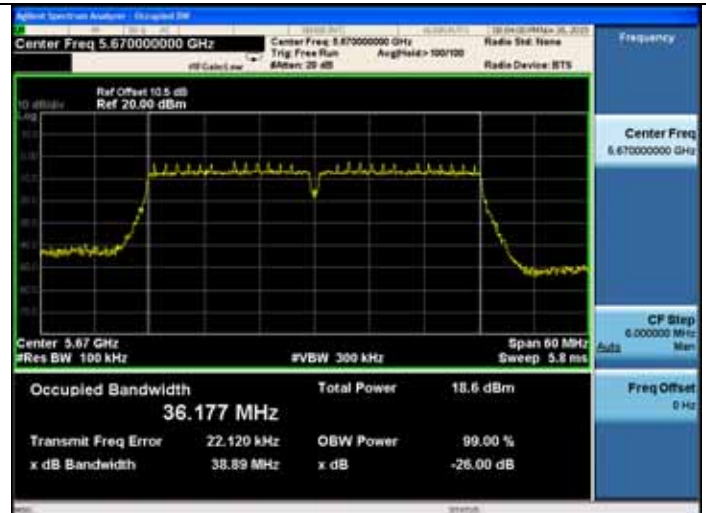
5700MHz



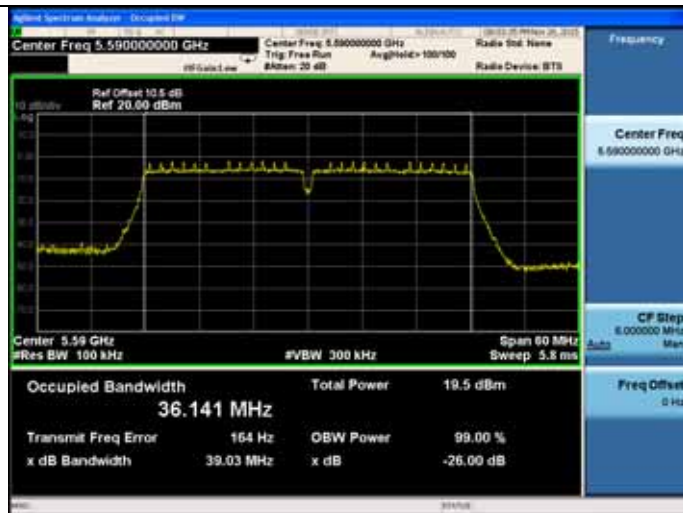
11ac VHT40
5510MHz



5670MHz

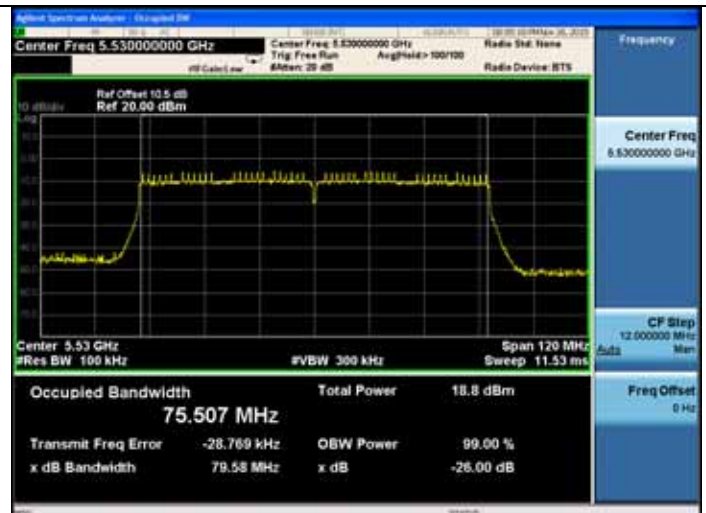


5590MHz



11ac VHT80

5530MHz



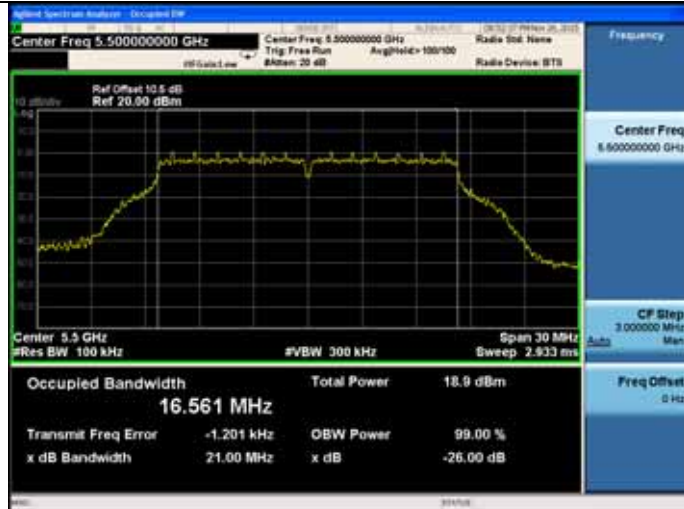
5500-5700MHz Band:

26dB bandwidth

ANT 1

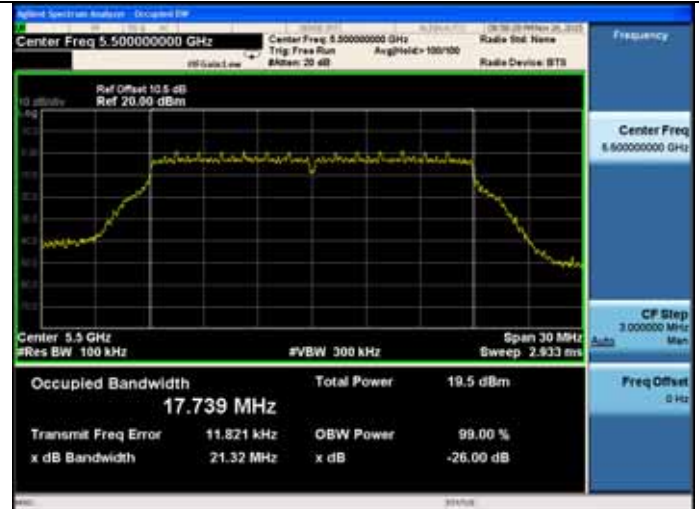
11a

5500MHz

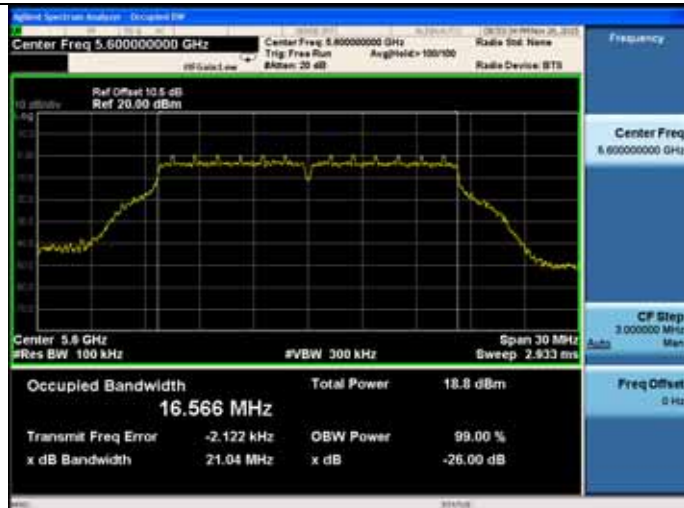


11n HT20

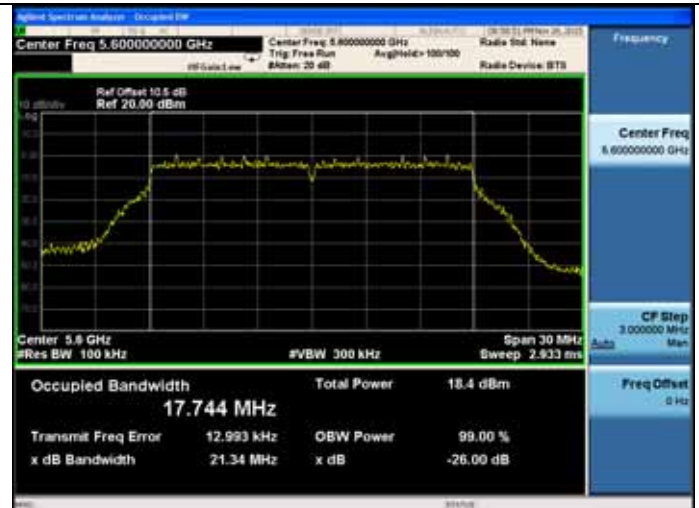
5500MHz



5600MHz



5600MHz



5700MHz

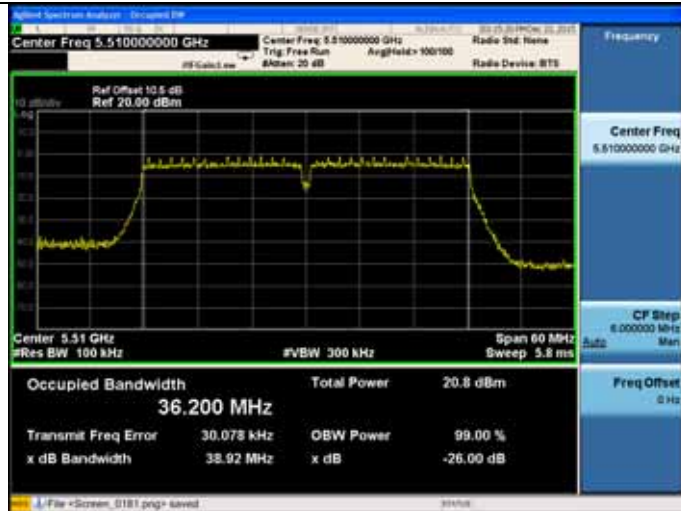


5700MHz



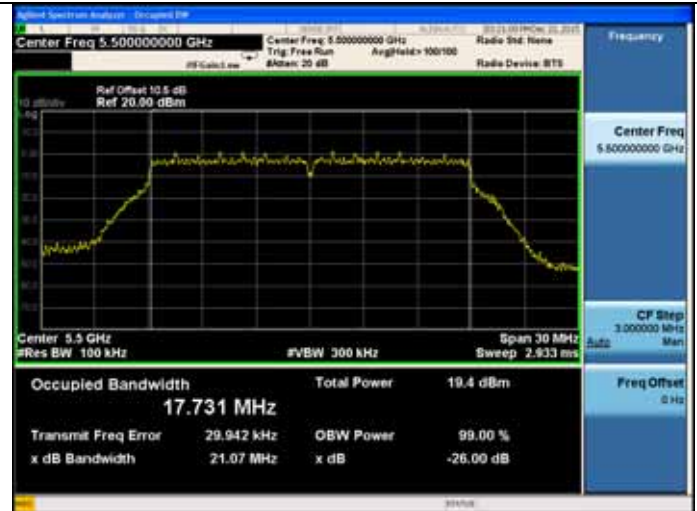
11n HT40

5510MHz

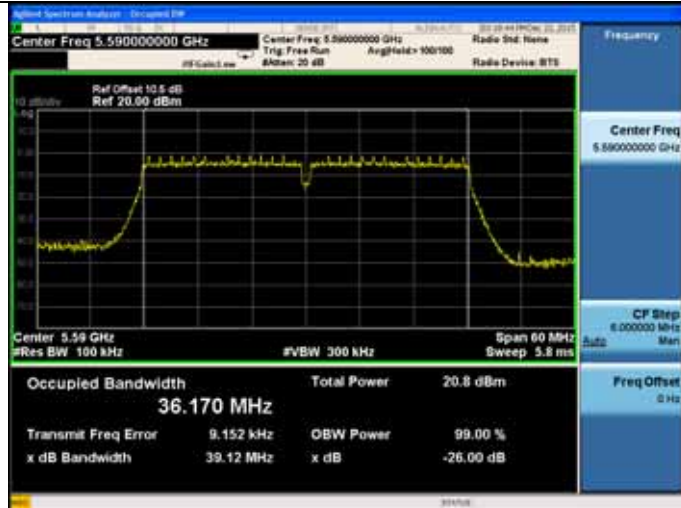


11ac VHT20

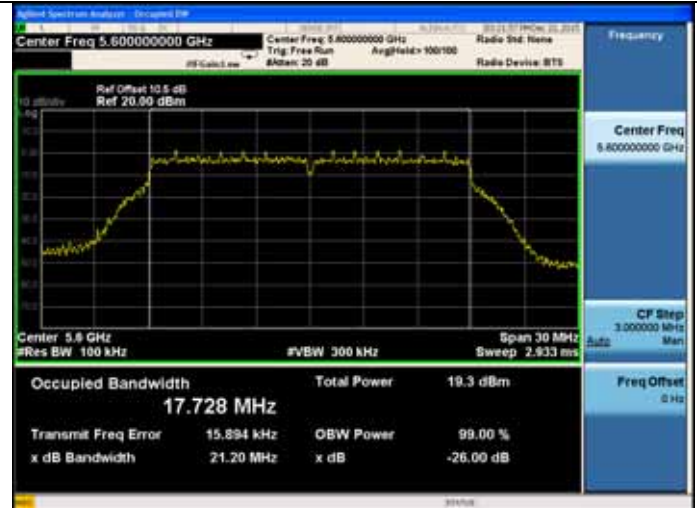
5500MHz



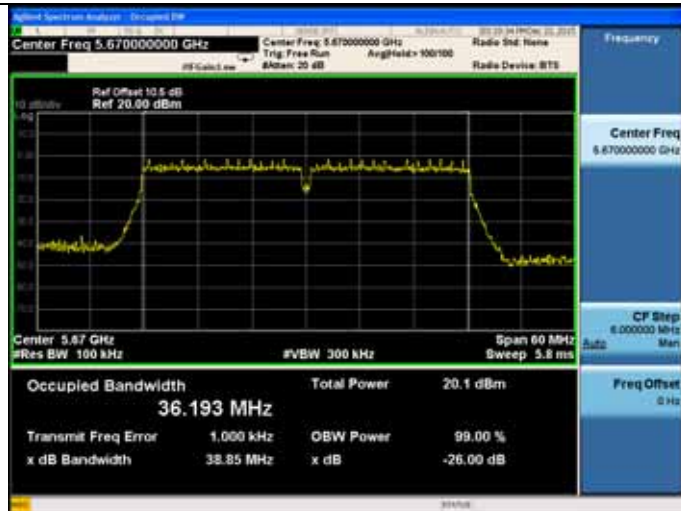
5590MHz



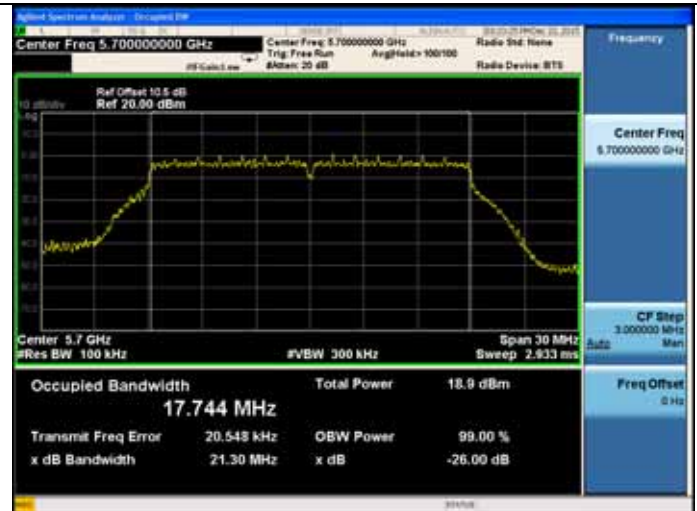
5600MHz



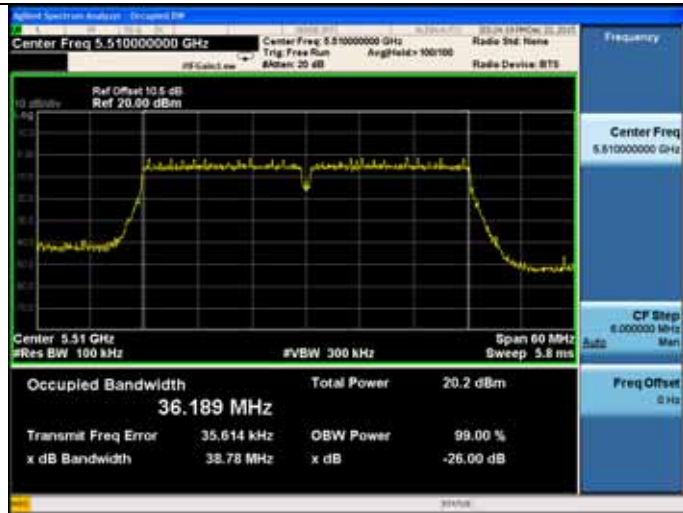
5670MHz



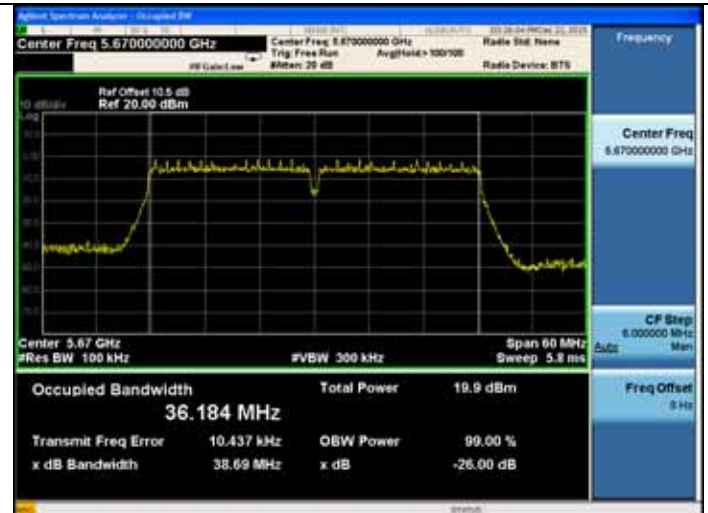
5700MHz



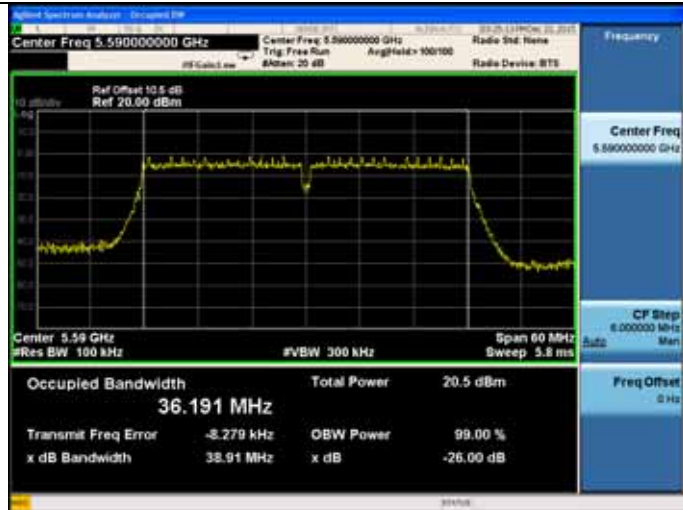
11ac VHT40 5510MHz



5670MHz

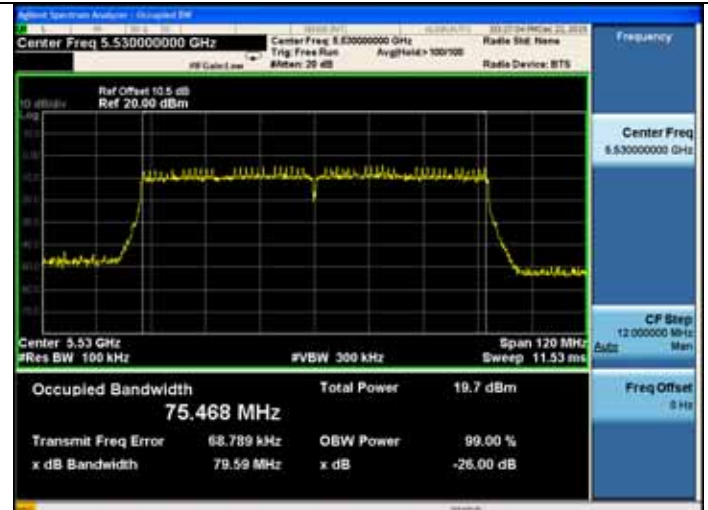


5590MHz



11ac VHT80

5530MHz



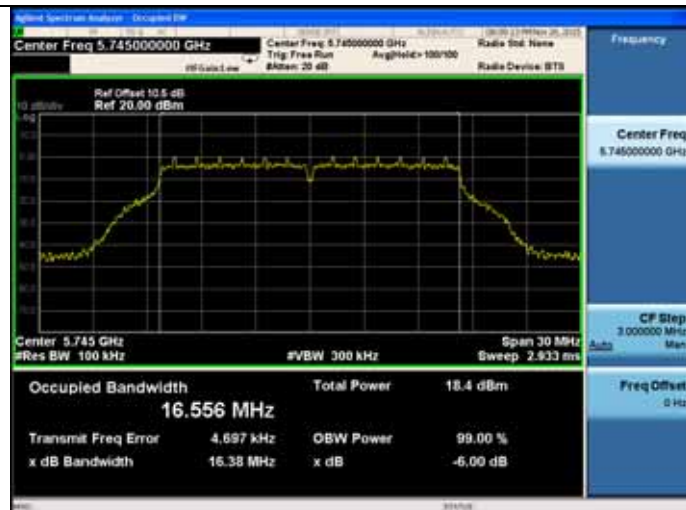
5745-5825MHz Band:

6dB bandwidth

ANT 0

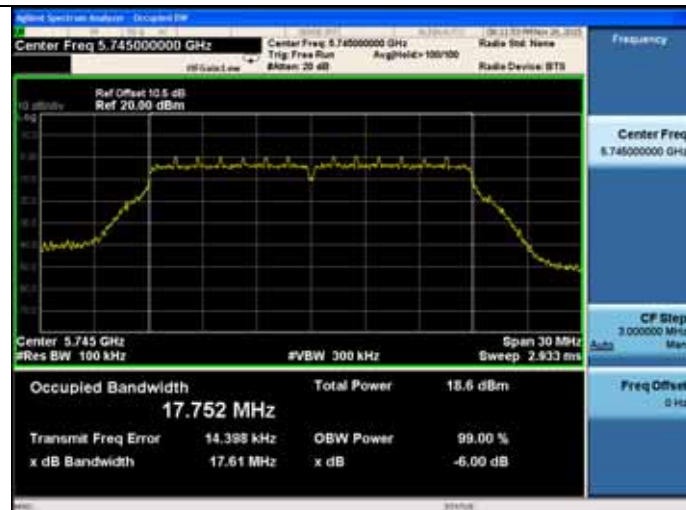
11a

5745MHz

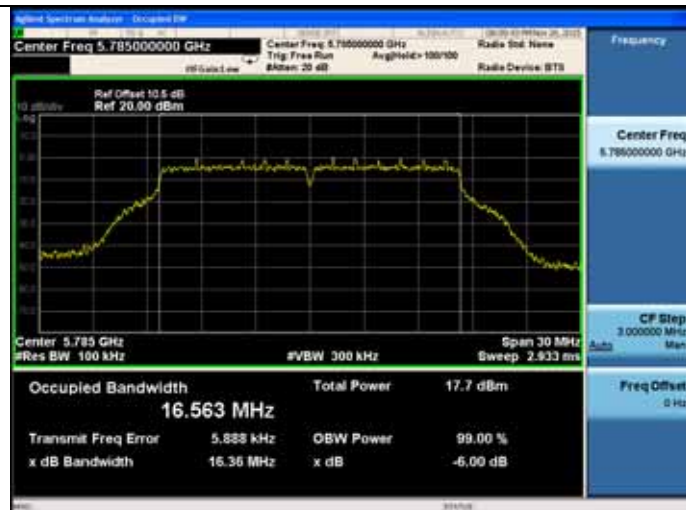


11n HT20

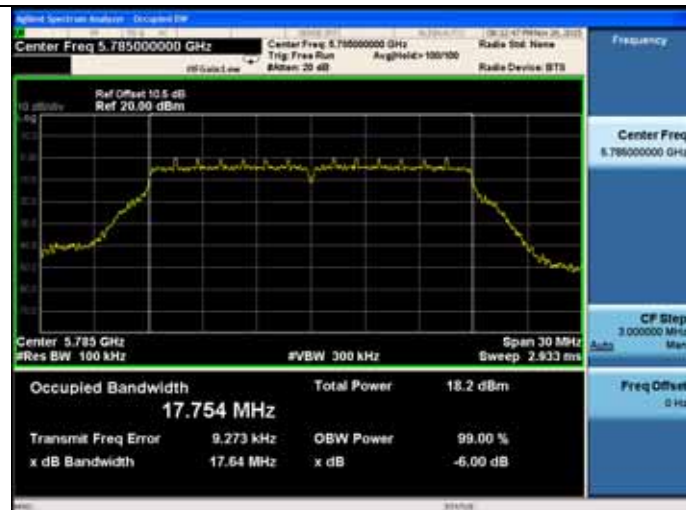
5745MHz



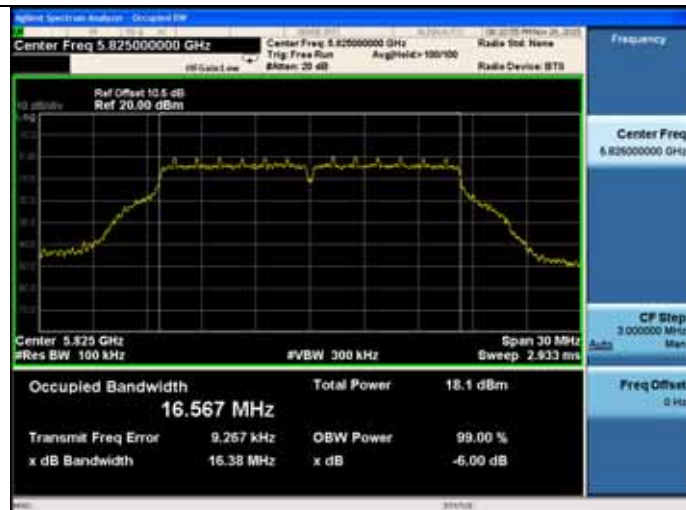
5785MHz



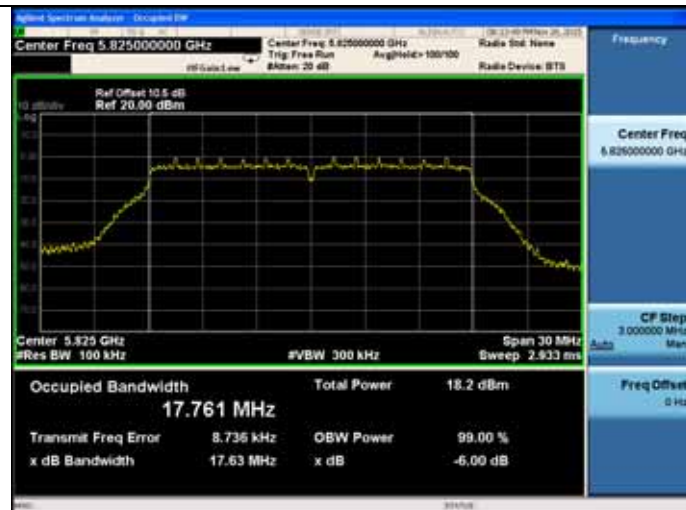
5785MHz



5825MHz

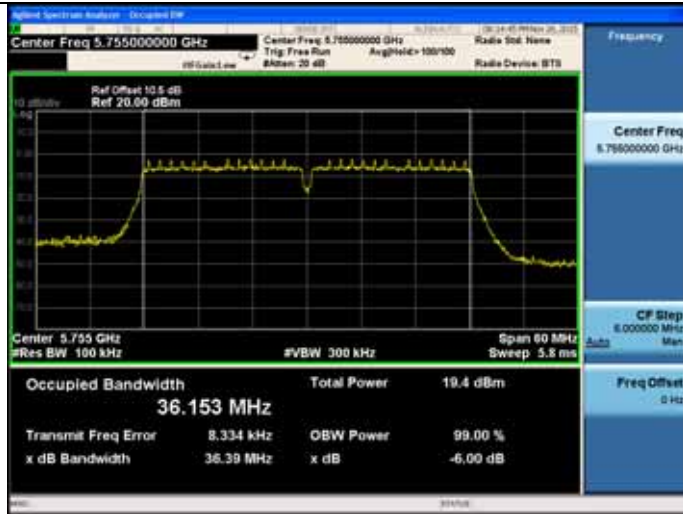


5825MHz

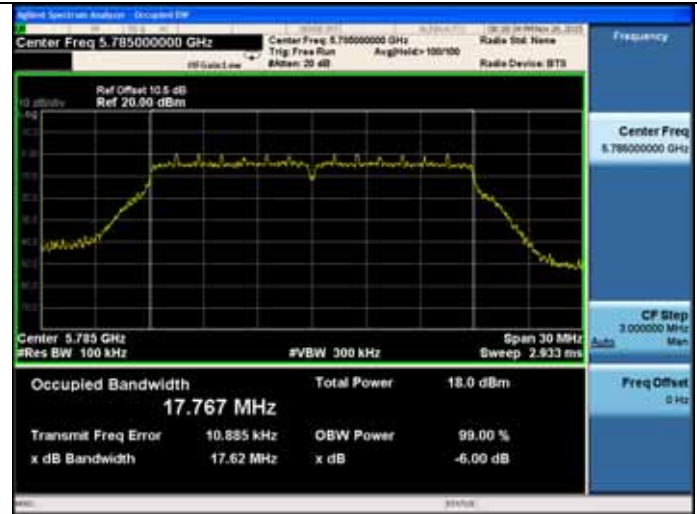


11n HT40

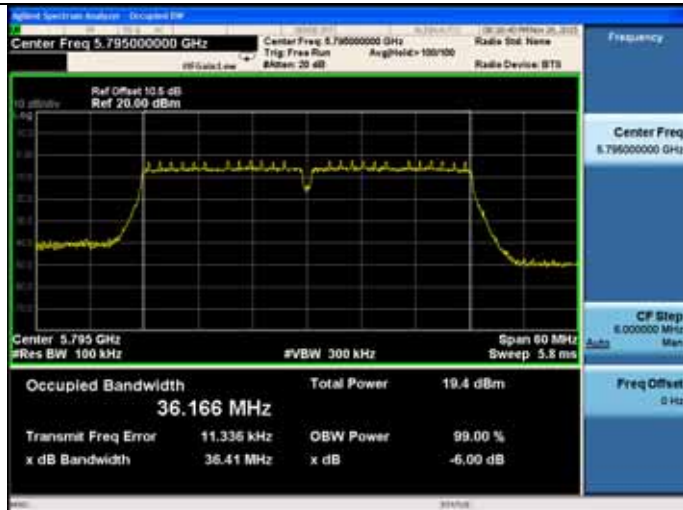
5755MHz



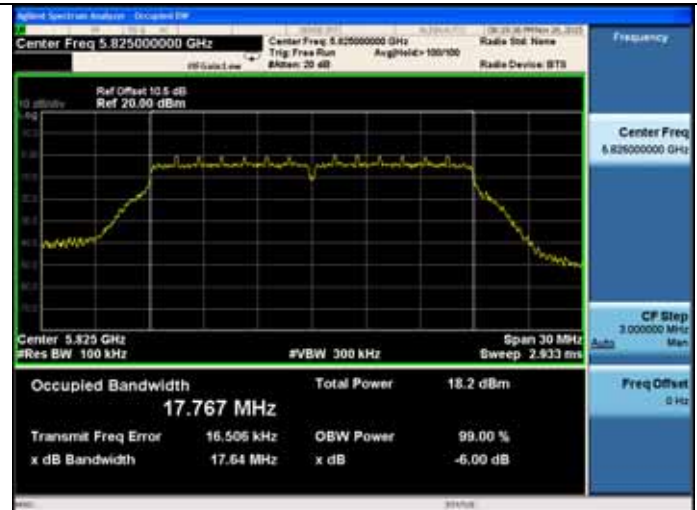
5785MHz



5795MHz

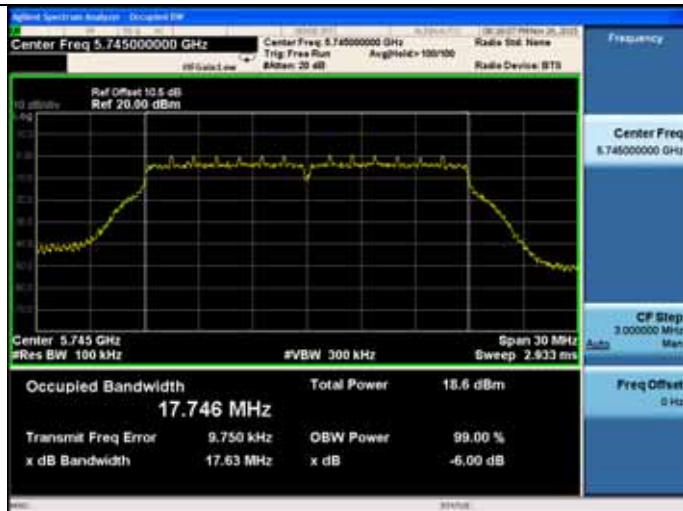


5825MHz



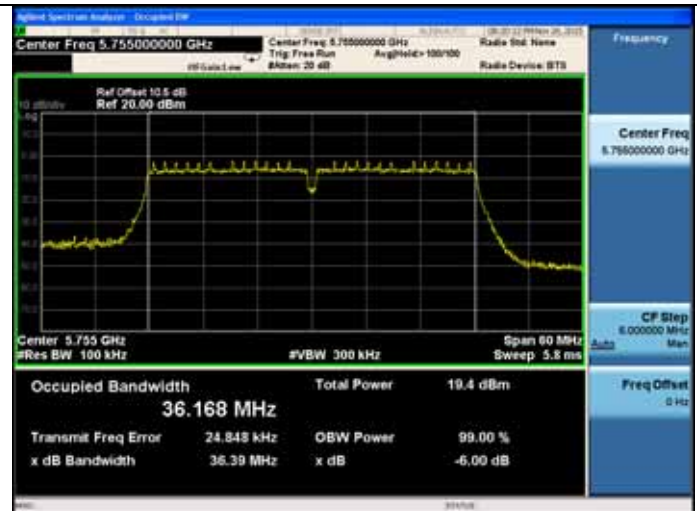
11ac VHT20

5745MHz

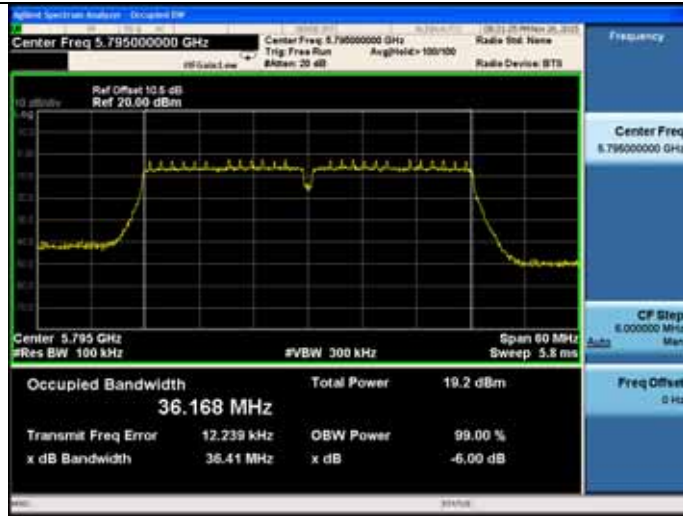


11ac VHT40

5755MHz

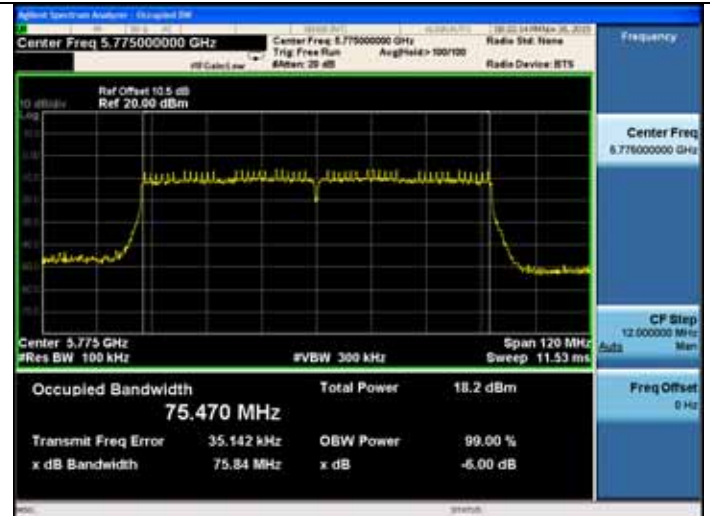


5795MHz



11ac VHT80

5775MHz



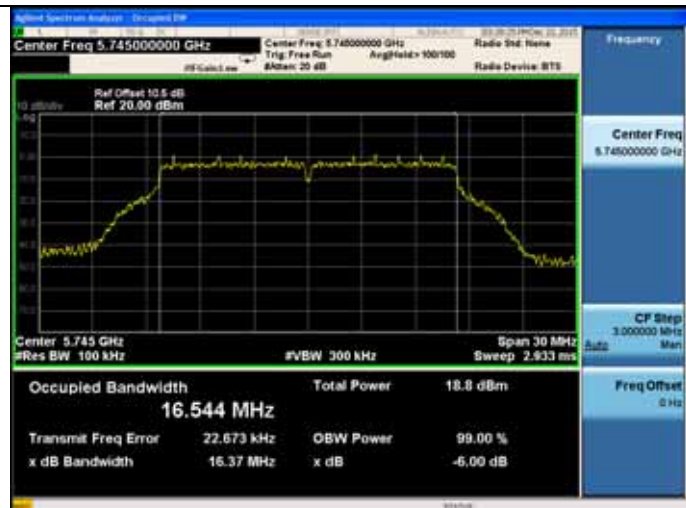
5745-5825MHz Band:

6dB bandwidth

ANT 1

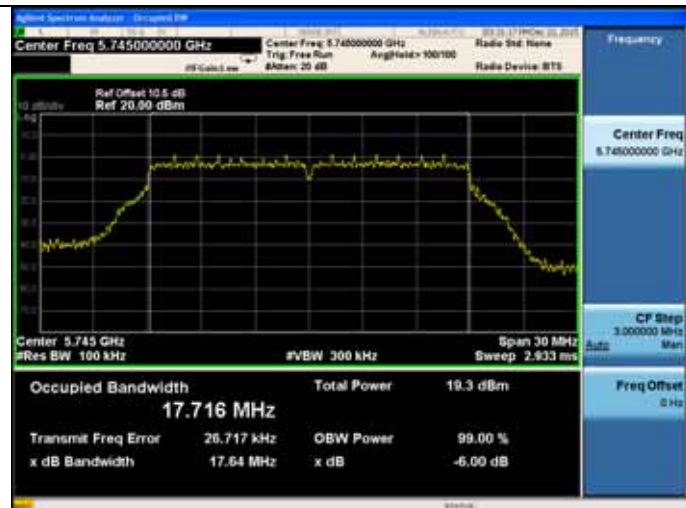
11a

5745MHz



11n HT20

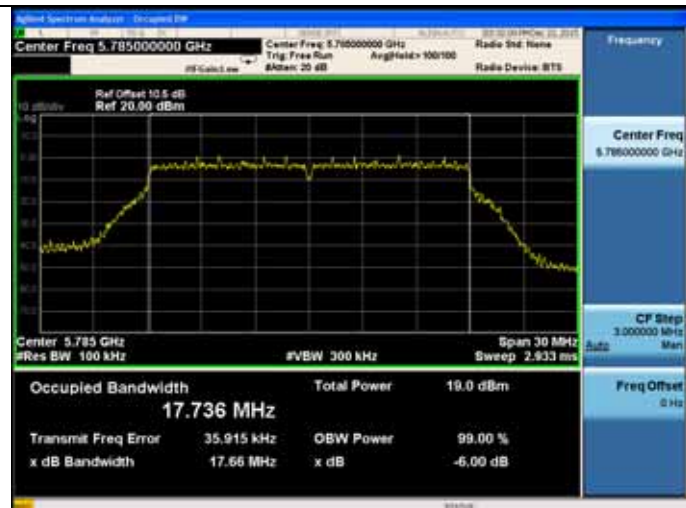
5745MHz



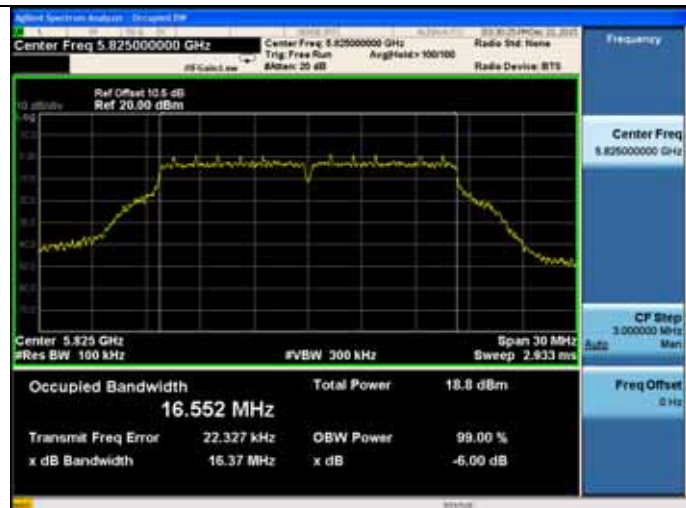
5785MHz



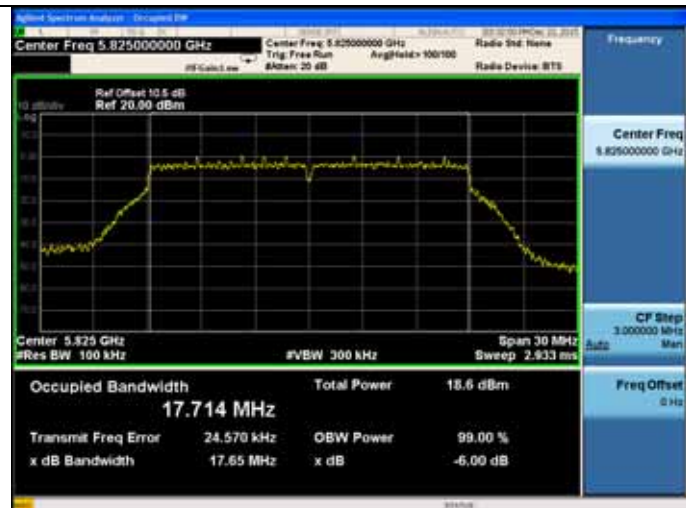
5785MHz



5825MHz

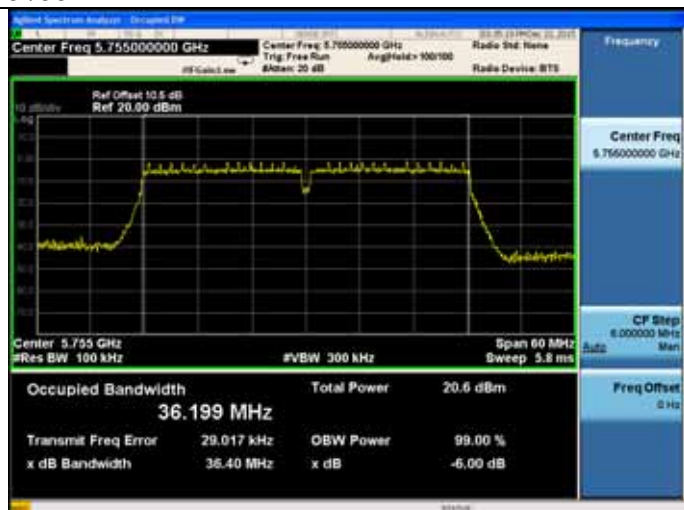


5825MHz

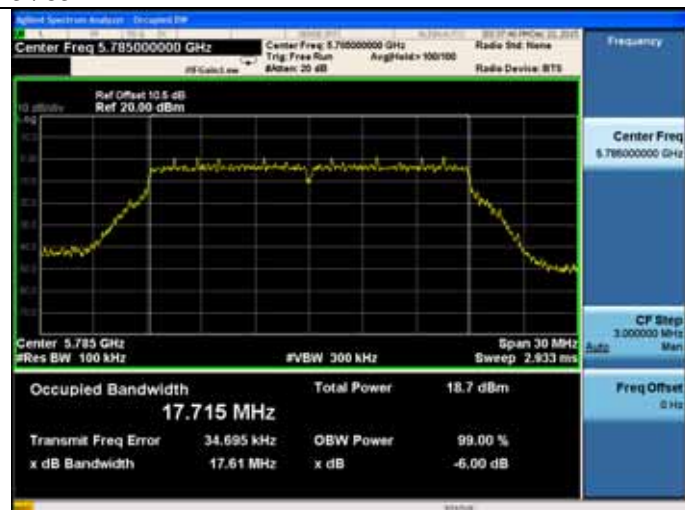


11n HT40

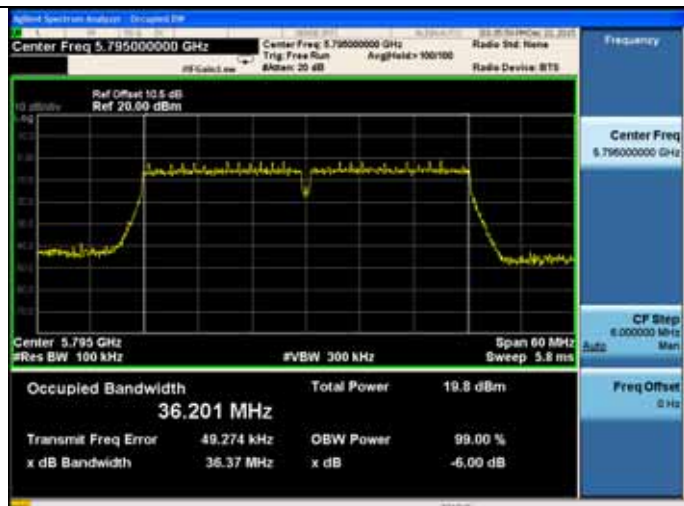
5755MHz



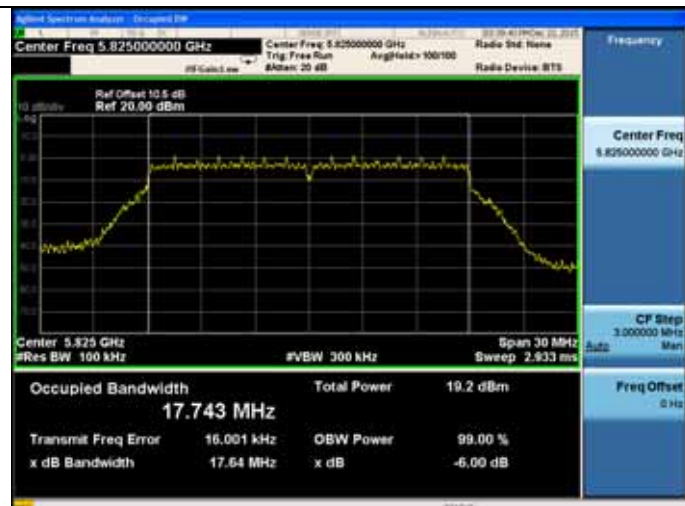
5785MHz



5795MHz

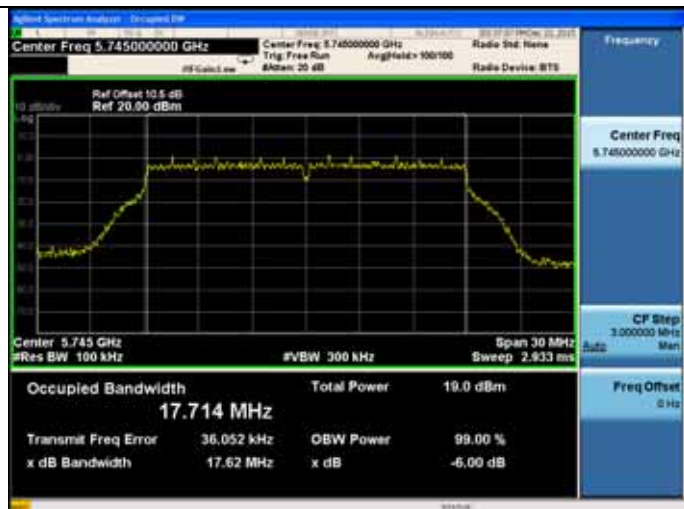


5825MHz



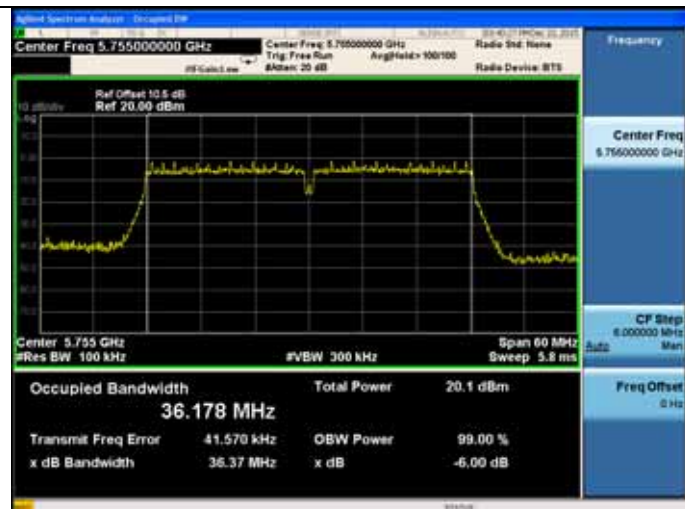
11ac VHT20

5745MHz

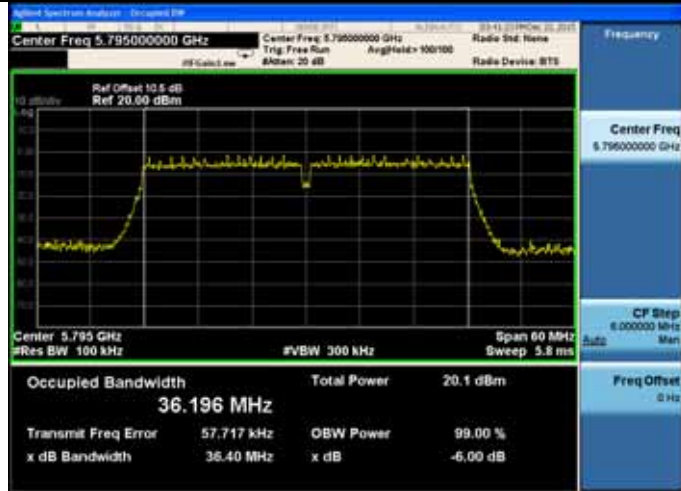


11ac VHT40

5755MHz

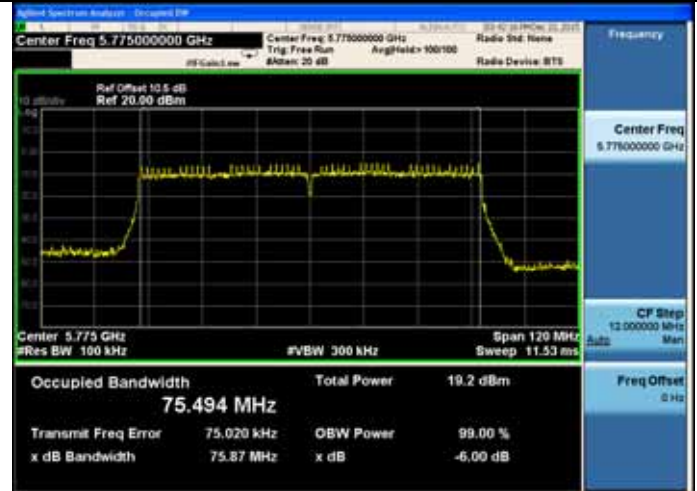


5795MHz



11ac VHT80

5775MHz



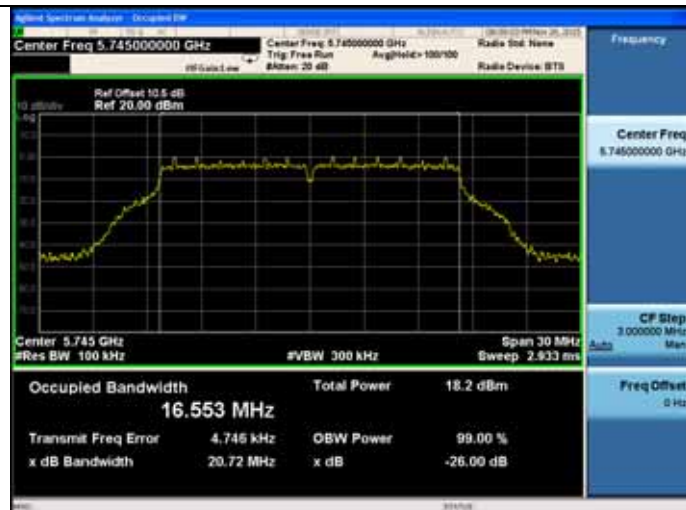
5745-5825MHz Band:

26dB bandwidth

ANT 0

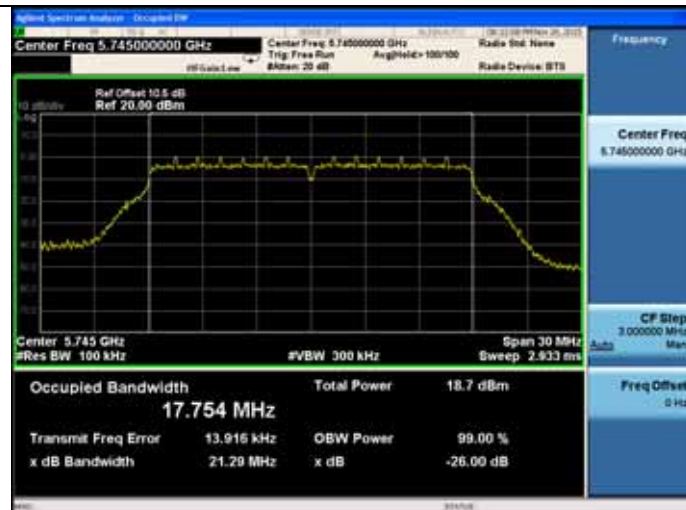
11a

5745MHz

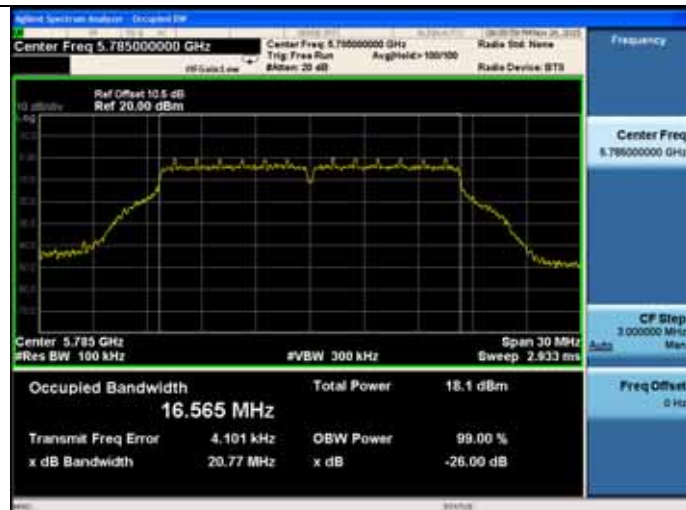


11n HT20

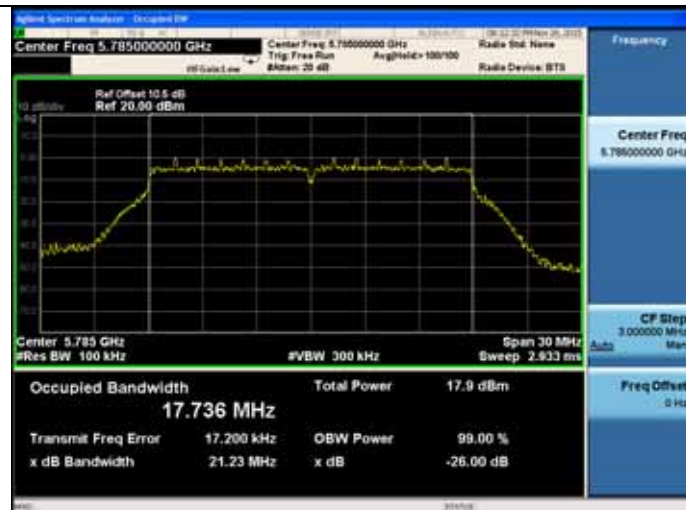
5745MHz



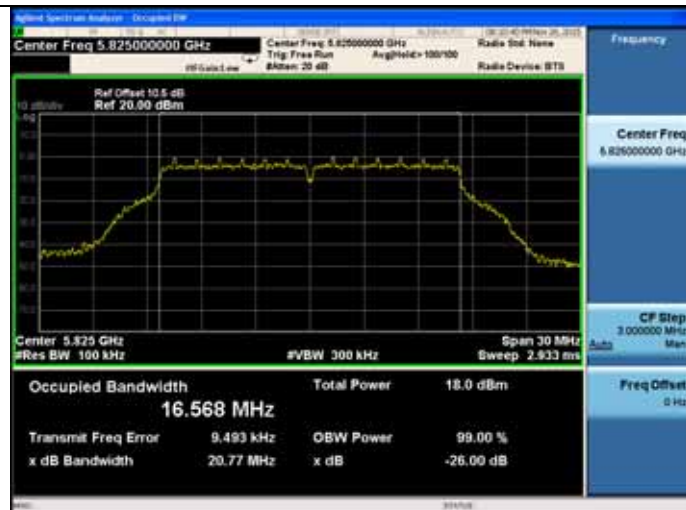
5785MHz



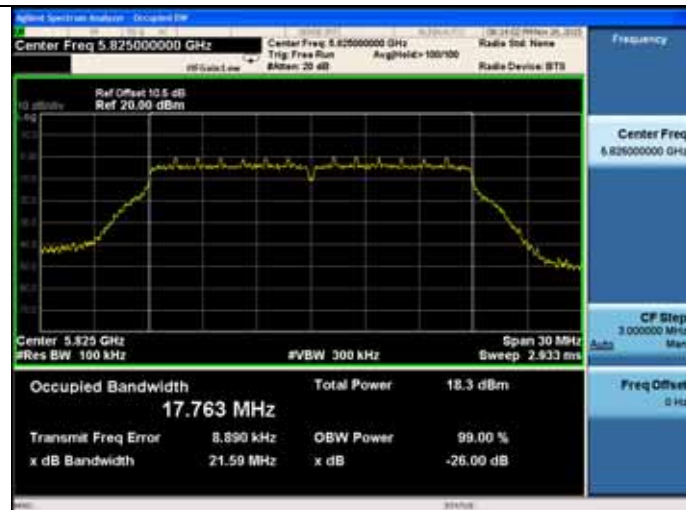
5785MHz



5825MHz

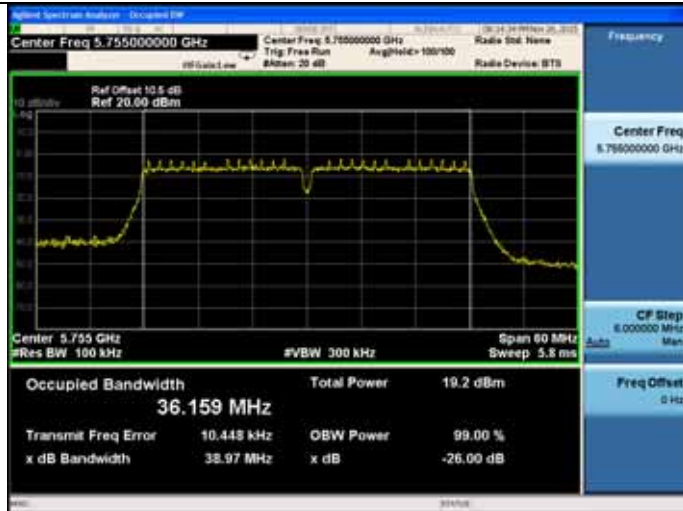


5825MHz

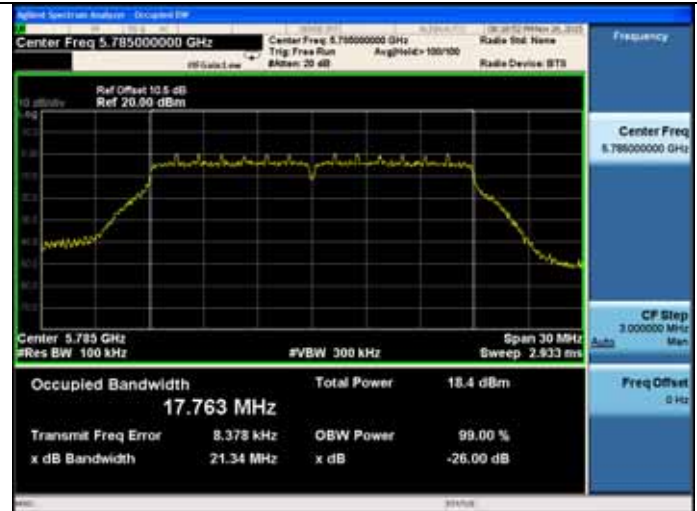


11n HT40

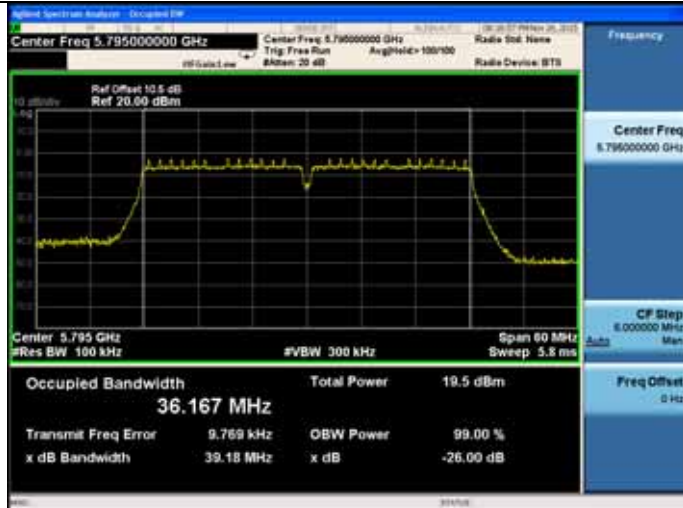
5755MHz



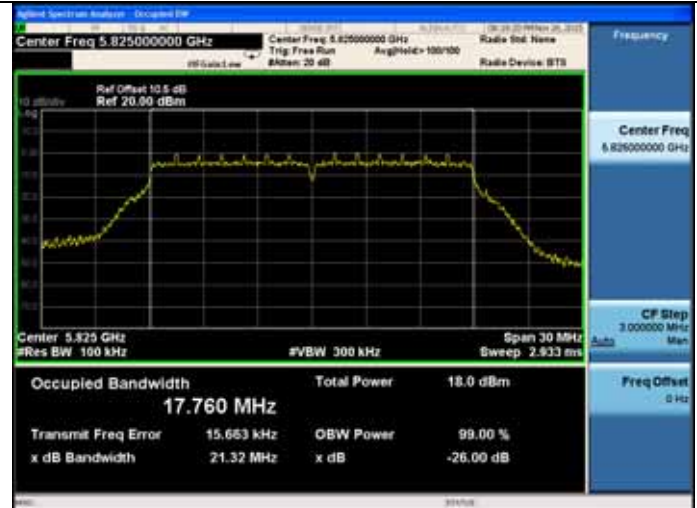
5785MHz



5795MHz

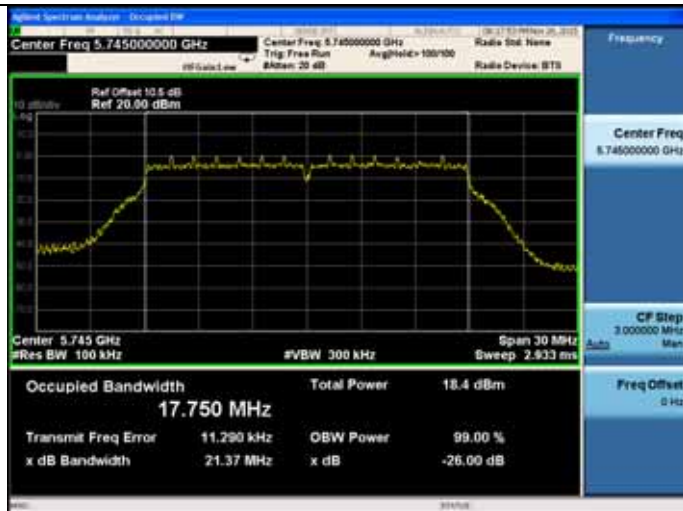


5825MHz



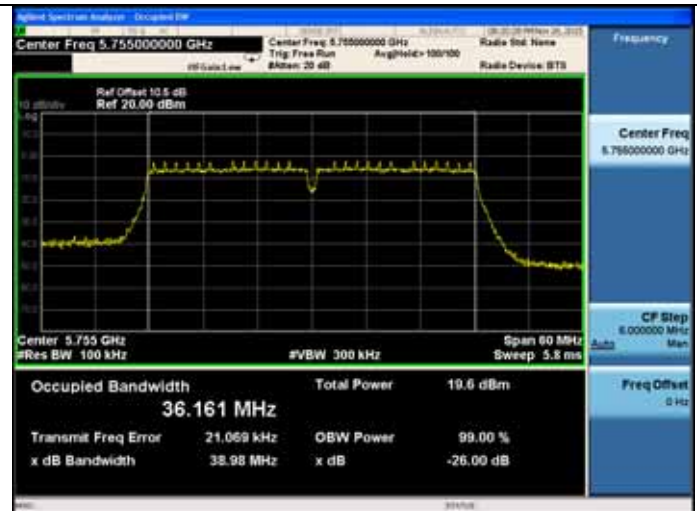
11ac VHT20

5745MHz

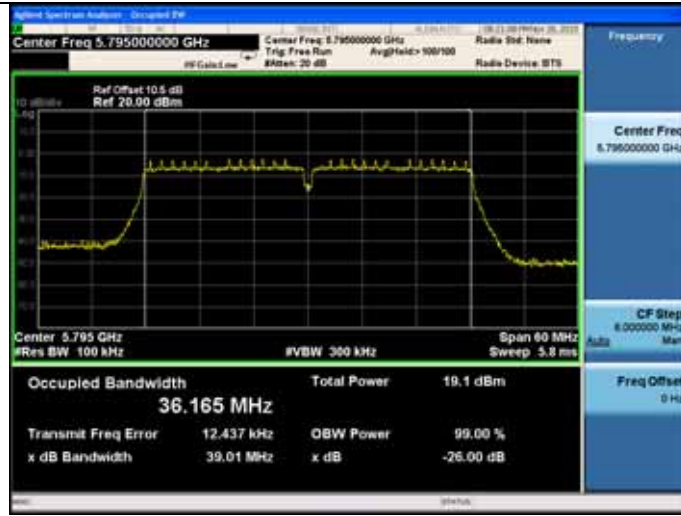


11ac VHT40

5755MHz

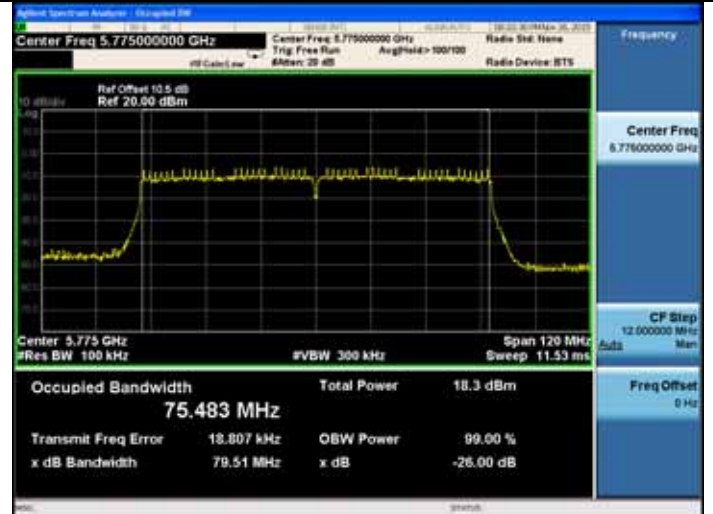


5795MHz



11ac VHT80

5775MHz



5745-5825MHz Band:

26dB bandwidth

ANT 1

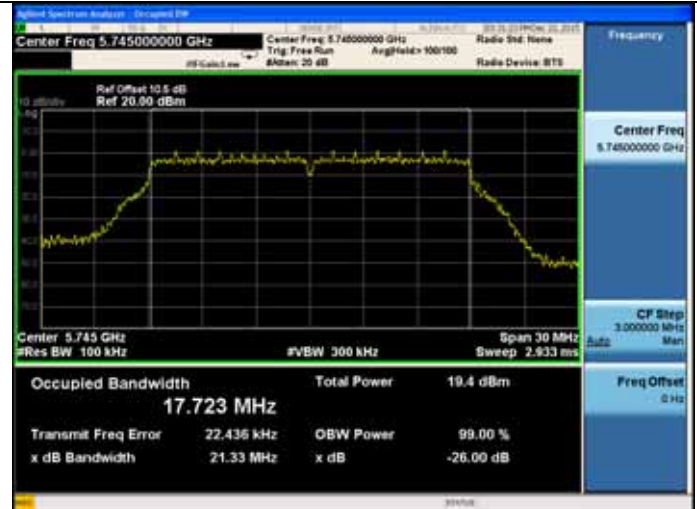
11a

5745MHz

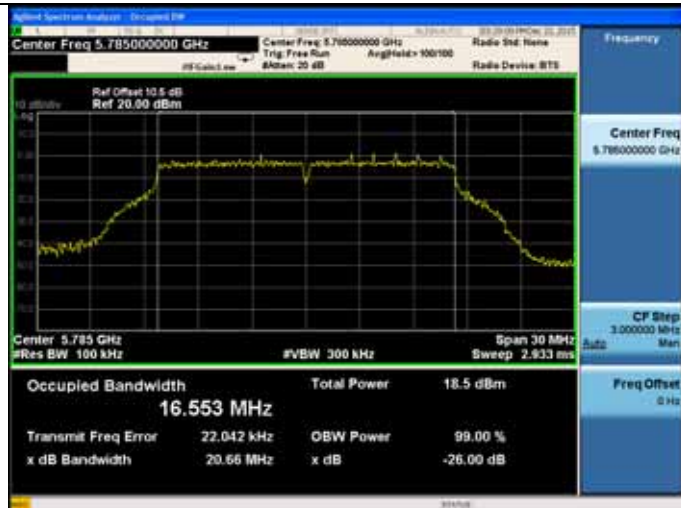


11n HT20

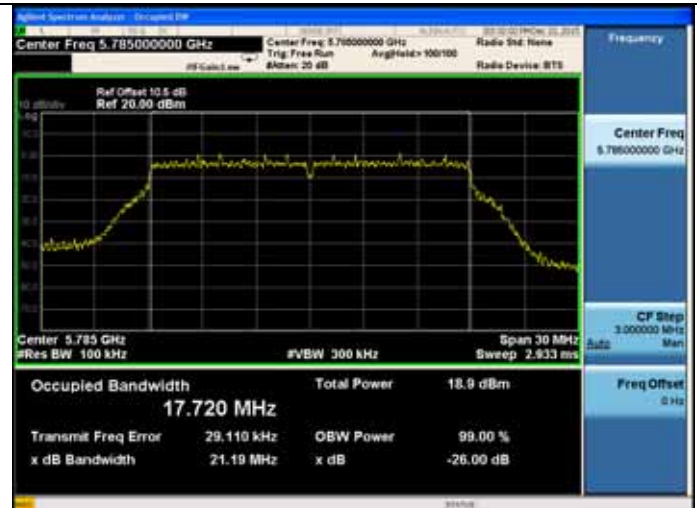
5745MHz



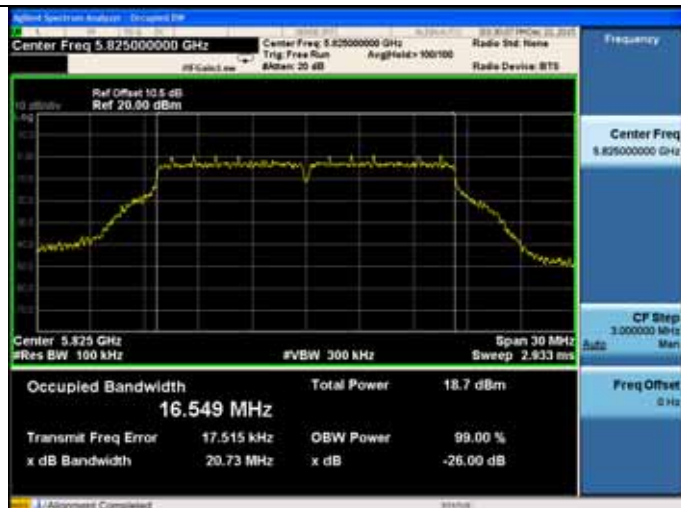
5785MHz



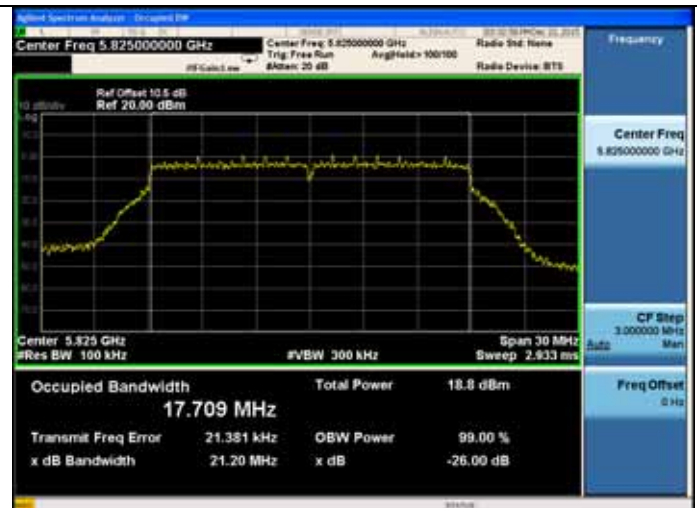
5785MHz



5825MHz

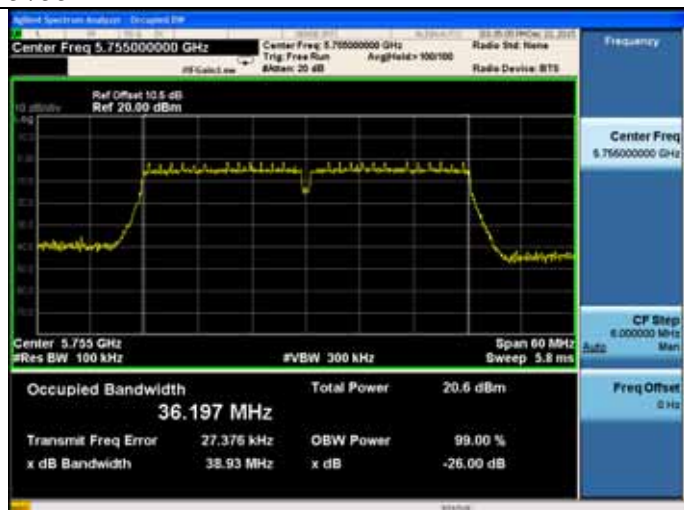


5825MHz

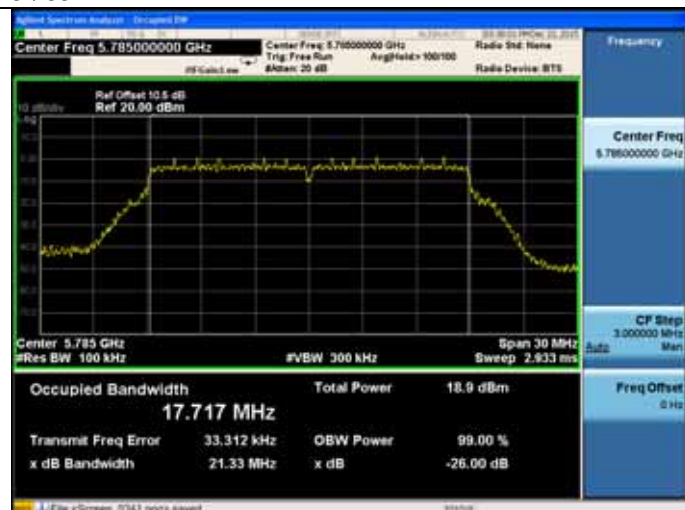


11n HT40

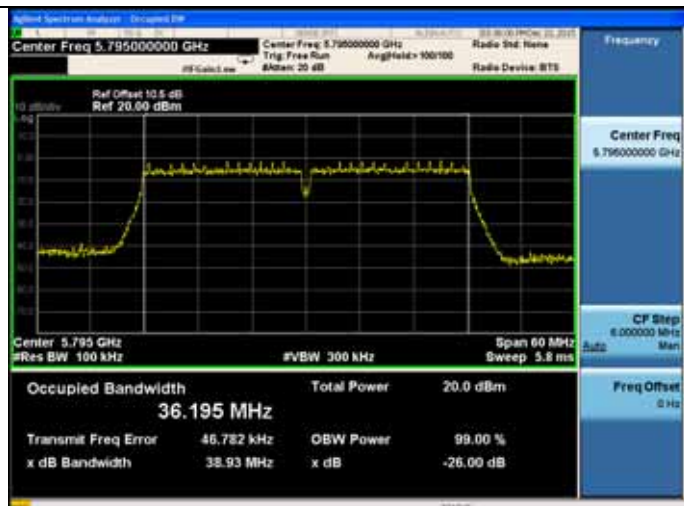
5755MHz



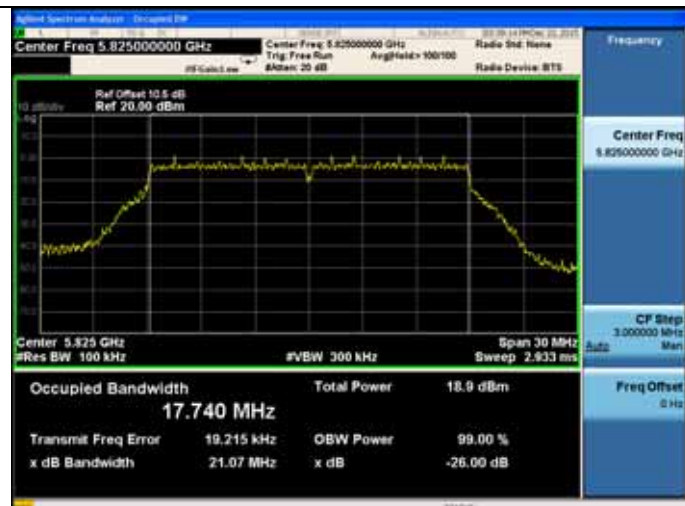
5785MHz



5795MHz

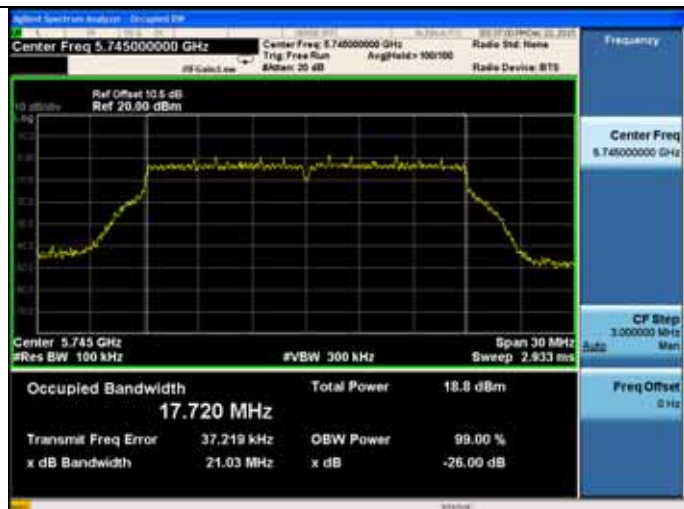


5825MHz



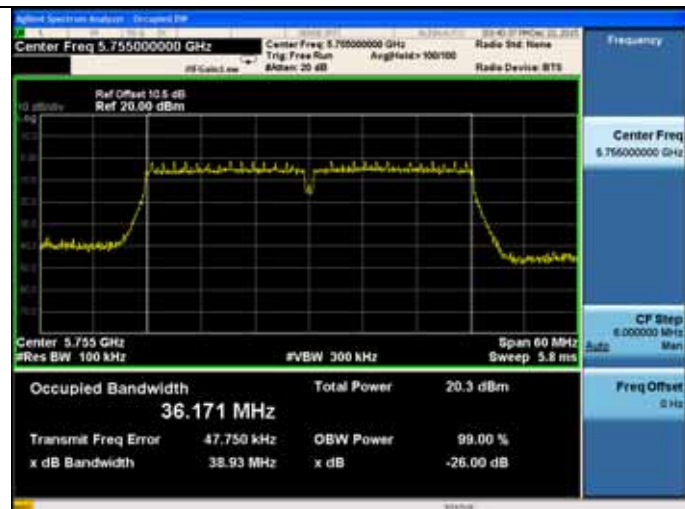
11ac VHT20

5745MHz

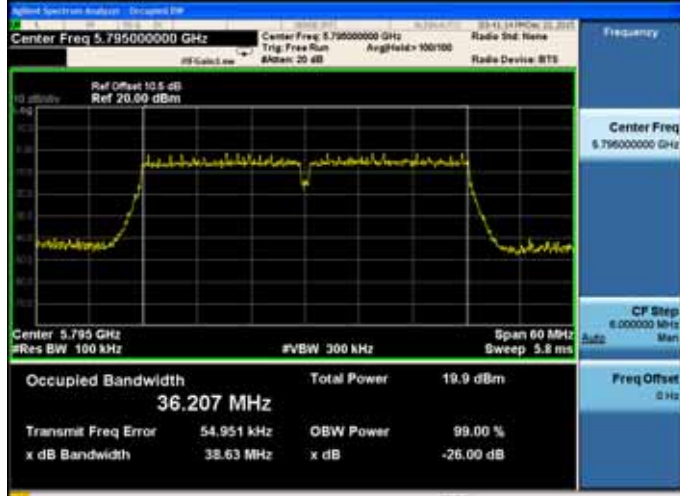


11ac VHT40

5755MHz



5795MHz



11ac VHT80

5775MHz

