

TEST REPORT

FCC ID: 2APMJBV6800PRO

Product: Smart phone

Model No.: BV6800Pro

Additional Model No.: N/A

Trade Mark: Blackview

Report No.: TCT181023E048

Issued Date: Nov. 20, 2018

Issued for:

Shenzhen DOKE Electronic Co., Ltd
13th Floor, Weidonglong commercial building B, Meilong avenue, Longhua
New District, Shenzhen, China

Issued By:

Shenzhen Tongce Testing Lab.
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Appendix A: Photographs of Test Setup

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1. Test Certification

Product:	Smart phone
Model No.:	BV6800Pro
Additional Model:	N/A
Trade Mark:	Blackview
Applicant:	Shenzhen DOKE Electronic Co., Ltd
Address:	13th Floor, Weidonglong commercial building B, Meilong avenue, Longhua New District, Shenzhen, China
Manufacturer:	Shenzhen DOKE Electronic Co., Ltd
Address:	13th Floor, Weidonglong commercial building B, Meilong avenue, Longhua New District, Shenzhen, China
Date of Test:	Oct. 24, 2018 – Nov. 19, 2018
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart E Section 15.407: 2016 KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General U-NII Test Procedures New Rules v02

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Jin Wang

Date:

Nov. 19, 2018

Jin Wang

Reviewed By:

Beryl Zhao

Date:

Nov. 20, 2018

Beryl Zhao

Approved By:

Tomsin

Date:

Nov. 20, 2018

Tomsin

2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Maximum Conducted Output Power	§15.407(a) §2.1046	PASS
6dB Emission Bandwidth	§15.407(a) §2.1049	PASS
26dB Emission Bandwidth & 99% Occupied Bandwidth	§15.407(a) §2.1049	PASS
Power Spectral Density	§15.407(a)	PASS
Restricted Bands around fundamental frequency	§15.407(a)	PASS
Radiated Emission	§15.407(a) §2.1053	PASS
Frequency Stability	§15.407(g) §2.1055	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

3. EUT Description

Product:	Smart phone
Model No.:	BV6800Pro
Additional Model:	N/A
Trade Mark:	Blackview
Operation Frequency:	Band 1: 5180 MHz-5240 MHz band 2A: 5260 MHz-5320 MHz band 2C: 5500 MHz-5720 MHz band 3: 5745 MHz-5825 MHz
Channel Bandwidth:	802.11a: 20MHz 802.11n: 20MHz, 40MHz 802.11ac: 20MHz, 40MHz
Modulation Technology:	Orthogonal Frequency Division Multiplexing(OFDM)
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Antenna Type:	PIFA Antenna
Antenna Gain:	0.5dBi
Power Supply:	Rechargeable Li-ion Battery DC 3.85V
AC Adapter:	Model: HJ-FC018K7-US Input: 100-240V~50/60Hz 0.6A Output: 5V, 2A / 7V, 2A / 9V,2A

Test Frequency each of channel

Band 1

20MHz		40MHz	
Channel	Frequency	Channel	Frequency
36	5180	38	5190
40	5200	46	5230
48	5240	--	--

Band 2A

20MHz		40MHz	
Channel	Frequency	Channel	Frequency
52	5260	54	5270
60	5300	62	5310
64	5320	--	--

Band 2C

20MHz		40MHz	
Channel	Frequency	Channel	Frequency
100	5500	102	5510
120	5600	118	5590
144	5720	142	5710

Band 3

20MHz		40MHz	
Channel	Frequency	Channel	Frequency
149	5745	151	5755
157	5785	159	5795
165	5825	--	--

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

4. General Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 100%)
<p>The sample was placed 0.8m/1.5m for blow/above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p>	

<p>We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:</p>	
Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.	
Mode	Data rate
802.11a	6 Mbps
802.11n(HT20)	MCS0
802.11n(HT40)	MCS0
802.11ac(HT20)	MCS0
802.11ac(HT40)	MCS0
Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

5. Facilities and Accreditations

5.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

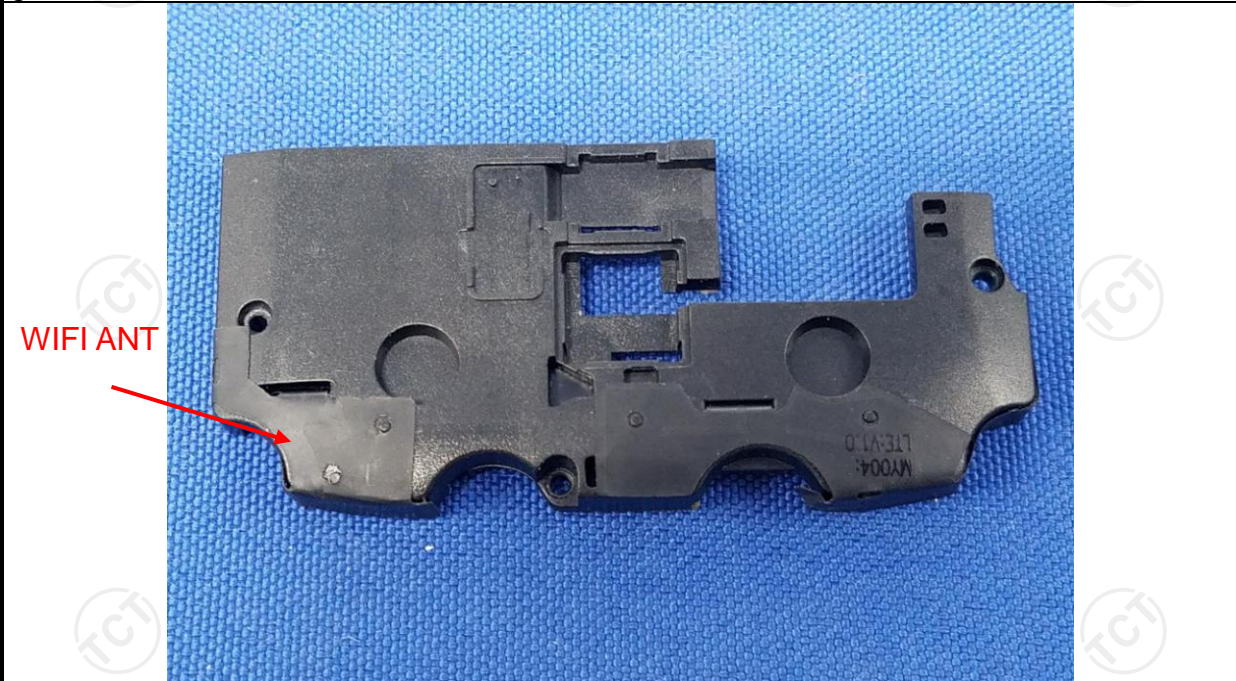
The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	$\pm 2.56\text{dB}$
2	RF power, conducted	$\pm 0.12\text{dB}$
3	Spurious emissions, conducted	$\pm 0.11\text{dB}$
4	All emissions, radiated(<1G)	$\pm 3.92\text{dB}$
5	All emissions, radiated(>1G)	$\pm 4.28\text{dB}$
6	Temperature	$\pm 0.1^\circ\text{C}$
7	Humidity	$\pm 1.0\%$

6. Test Results and Measurement Data

6.1. Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
15.203 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, 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.	
E.U.T Antenna:	
The WIFI antenna is PIFA antenna which permanently attached, and the best case gain of the antenna is 0.5dBi.	



6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	<p><i>Remark</i> E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>														
Test Mode:	Tx Mode														
Test Procedure:	<ol style="list-style-type: none"> The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 														
Test Result:	PASS														

6.2.2. Test Instruments

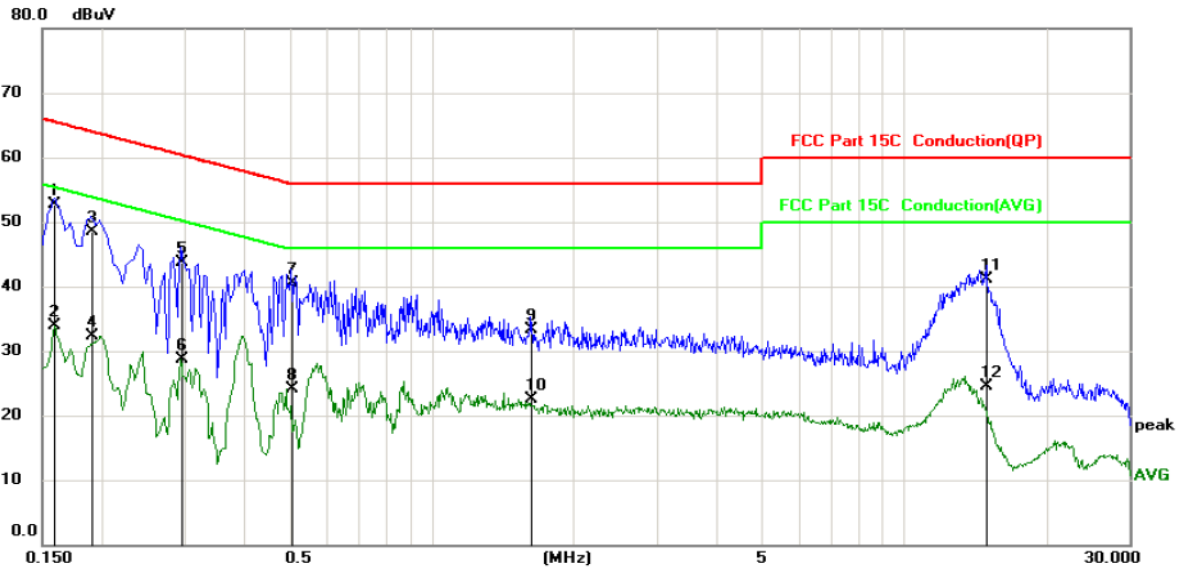
Conducted Emission Shielding Room Test Site (843)				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Test Receiver	R&S	ESPI	101402	Jul. 17, 2019
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 20, 2019
Coax cable (9KHz-30MHz)	TCT	CE-05	N/A	Sep. 16, 2019
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



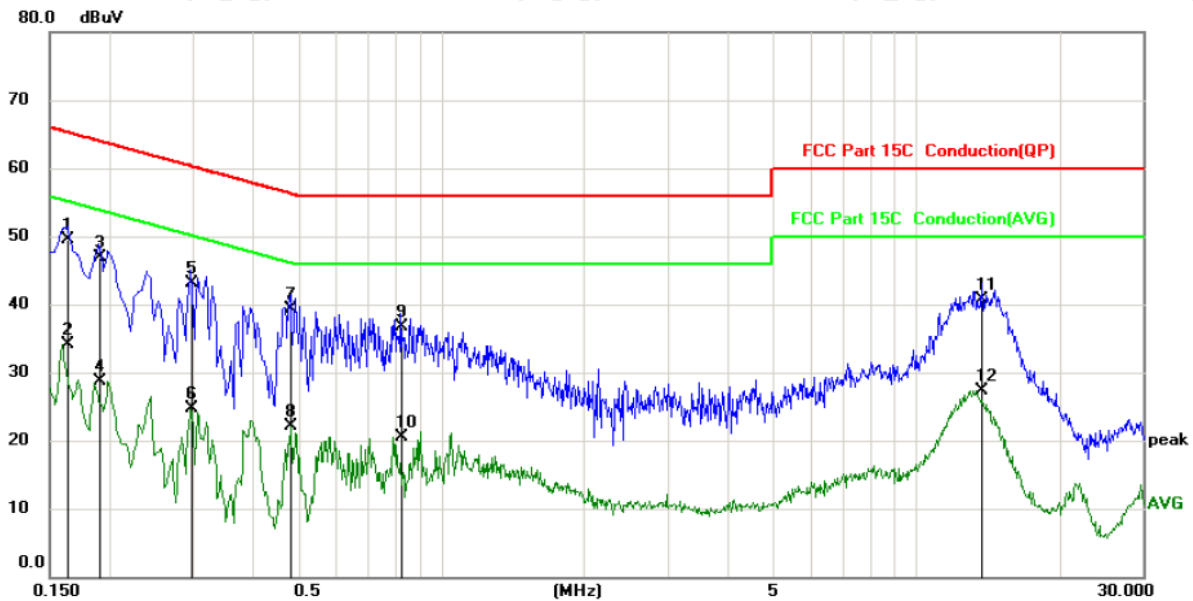
Site	Phase: L1	Temperature: 25
Limit: FCC Part 15C Conduction(QP)	Power: AC 120V/60Hz	Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1590	42.60	10.12	52.72	65.52	-12.80	QP	
2		0.1590	23.75	10.12	33.87	55.52	-21.65	AVG	
3		0.1905	38.30	10.12	48.42	64.01	-15.59	QP	
4		0.1905	22.16	10.12	32.28	54.01	-21.73	AVG	
5		0.2940	33.50	10.13	43.63	60.41	-16.78	QP	
6		0.2940	18.52	10.13	28.65	50.41	-21.76	AVG	
7		0.5055	30.40	10.13	40.53	56.00	-15.47	QP	
8		0.5055	13.92	10.13	24.05	46.00	-21.95	AVG	
9		1.6215	23.20	10.12	33.32	56.00	-22.68	QP	
10		1.6215	12.36	10.12	22.48	46.00	-23.52	AVG	
11		14.9730	31.00	10.17	41.17	60.00	-18.83	QP	
12		14.9730	14.36	10.17	24.53	50.00	-25.47	AVG	

Note:

- Freq. = Emission frequency in MHz
- Reading level (dBuV) = Receiver reading
- Corr. Factor (dB) = Antenna factor + Cable loss
- Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)
- Limit (dBuV) = Limit stated in standard
- Margin (dB) = Measurement (dBuV) – Limits (dBuV)
- Q.P. =Quasi-Peak, AVG =average
- * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site: Phase: **N** Temperature: 25
 Limit: FCC Part 15C Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

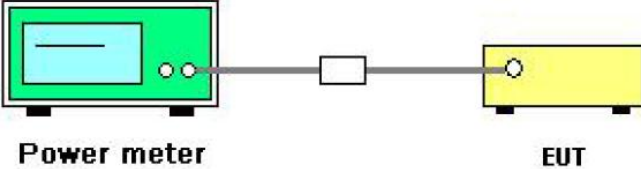
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1635	39.30	10.12	49.42	65.28	-15.86	QP	
2		0.1635	24.06	10.12	34.18	55.28	-21.10	AVG	
3		0.1905	36.70	10.12	46.82	64.01	-17.19	QP	
4		0.1905	18.56	10.12	28.68	54.01	-25.33	AVG	
5		0.2985	33.00	10.13	43.13	60.28	-17.15	QP	
6		0.2985	14.56	10.13	24.69	50.28	-25.59	AVG	
7		0.4830	29.20	10.13	39.33	56.29	-16.96	QP	
8		0.4830	12.05	10.13	22.18	46.29	-24.11	AVG	
9		0.8250	26.50	10.12	36.62	56.00	-19.38	QP	
10		0.8250	10.41	10.12	20.53	46.00	-25.47	AVG	
11		13.7625	30.60	10.17	40.77	60.00	-19.23	QP	
12		13.7625	17.22	10.17	27.39	50.00	-22.61	AVG	

Note:

- Freq. = Emission frequency in MHz
- Reading level (dBuV) = Receiver reading
- Corr. Factor (dB) = attenuator factor + Cable loss
- Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)
- Limit (dBuV) = Limit stated in standard
- Margin (dB) = Measurement (dBuV) – Limits (dBuV)
- Q.P. =Quasi-Peak, AVG =average
- * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

6.3. Maximum Conducted Output Power

6.3.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407(a)& Part 2 J Section 2.1046										
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02 Section E										
Limit:	<table border="1"> <thead> <tr> <th>Frequency Band (MHz)</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>5150 - 5250</td> <td>24dBm(250mW) for client device</td> </tr> <tr> <td>5250 - 5350</td> <td>24dBm(250mW)</td> </tr> <tr> <td>5470 - 5725</td> <td>24dBm(250mW)</td> </tr> <tr> <td>5725 - 5850</td> <td>30dBm(1W)</td> </tr> </tbody> </table>	Frequency Band (MHz)	Limit	5150 - 5250	24dBm(250mW) for client device	5250 - 5350	24dBm(250mW)	5470 - 5725	24dBm(250mW)	5725 - 5850	30dBm(1W)
Frequency Band (MHz)	Limit										
5150 - 5250	24dBm(250mW) for client device										
5250 - 5350	24dBm(250mW)										
5470 - 5725	24dBm(250mW)										
5725 - 5850	30dBm(1W)										
Test Setup:	 <p>The diagram illustrates the test setup. On the left is a green 'Power meter' with a screen and two ports. A cable connects one of its ports to a small white 'attenuator' box. Another cable connects the attenuator to a yellow 'EUT' (Equipment Under Test) box on the right.</p>										
Test Mode:	Transmitting mode with modulation										
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02 Section E, 3, a 2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 5. Measure the conducted output power and record the results in the test report. 										
Test Result:	PASS										
Remark:	Conducted output power= measurement power +10log(1/x) X is duty cycle=1, so 10log(1/1)=0 Conducted output power= measurement power										

6.3.2. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 20, 2019
Power Meter	Agilent	E4418B	GB43312526	Sep. 16, 2019
Power Sensor	Agilent	E9301A	MY41497725	Sep. 16, 2019
RF Cable (9KHz-40GHz)	TCT	RE-03	N/A	Sep. 20, 2019
Antenna Connector	TCT	RFC-03	N/A	Sep. 20, 2019

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.3.3. Test Data

Configuration Band 1 (5150 - 5250 MHz)				
Mode	Test channel	Maximum Conducted (Average) Output Power (dBm)	FCC Limit (dBm)	Result
11a	CH36	7.79	24	PASS
11a	CH40	7.52	24	PASS
11a	CH48	7.65	24	PASS
11n(HT20)	CH36	7.52	24	PASS
11n(HT20)	CH40	7.65	24	PASS
11n(HT20)	CH48	7.83	24	PASS
11n(HT40)	CH38	7.93	24	PASS
11n(HT40)	CH46	7.95	24	PASS
11ac(HT20)	CH36	7.59	24	PASS
11ac(HT20)	CH40	7.46	24	PASS
11ac(HT20)	CH48	7.76	24	PASS
11ac(HT40)	CH38	7.98	24	PASS
11ac(HT40)	CH46	7.86	24	PASS

Configuration Band 2A (5250 - 5350 MHz)

Mode	Test channel	Maximum Conducted (Average) Output Power (dBm)	FCC Limit (dBm)	Result
11a	CH52	7.86	24	PASS
11a	CH60	7.88	24	PASS
11a	CH64	7.84	24	PASS
11n(HT20)	CH52	7.96	24	PASS
11n(HT20)	CH60	7.97	24	PASS
11n(HT20)	CH64	7.97	24	PASS
11n(HT40)	CH54	7.74	24	PASS
11n(HT40)	CH62	7.71	24	PASS
11ac(HT20)	CH52	7.52	24	PASS
11ac(HT20)	CH60	7.58	24	PASS
11ac(HT20)	CH64	7.64	24	PASS
11ac(HT40)	CH54	7.81	24	PASS
11ac(HT40)	CH62	7.86	24	PASS

Configuration Band 2C (5470 - 5750 MHz)


Mode	Test channel	Maximum Conducted (Average) Output Power (dBm)	FCC Limit (dBm)	Result
11a	CH100	7.58	24	PASS
11a	CH120	7.57	24	PASS
11a	CH144	7.39	24	PASS
11n(HT20)	CH100	7.73	24	PASS
11n(HT20)	CH120	7.67	24	PASS
11n(HT20)	CH144	7.58	24	PASS
11n(HT40)	CH102	7.73	24	PASS
11n(HT40)	CH118	7.70	24	PASS
11n(HT40)	CH142	7.54	24	PASS
11ac(HT20)	CH100	7.52	24	PASS
11ac(HT20)	CH120	7.68	24	PASS
11ac(HT20)	CH144	7.32	24	PASS
11ac(HT40)	CH102	7.87	24	PASS
11ac(HT40)	CH118	7.85	24	PASS
11ac(HT40)	CH142	7.51	24	PASS

Configuration Band 3 (5725 - 5850 MHz)

Mode	Test channel	Maximum Conducted (Average) Output Power (dBm)	FCC Limit (dBm)	Result
11a	CH149	7.21	30	PASS
11a	CH157	6.98	30	PASS
11a	CH165	7.04	30	PASS
11n(HT20)	CH149	7.02	30	PASS
11n(HT20)	CH157	7.37	30	PASS
11n(HT20)	CH165	7.10	30	PASS
11n(HT40)	CH151	7.29	30	PASS
11n(HT40)	CH159	7.38	30	PASS
11ac(HT20)	CH149	7.01	30	PASS
11ac(HT20)	CH157	7.14	30	PASS
11ac(HT20)	CH165	7.12	30	PASS
11ac(HT40)	CH151	7.41	30	PASS
11ac(HT40)	CH159	7.29	30	PASS

6.4. 6dB Emission Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407(e)& Part 2 J Section 2.1049
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02 Section C
Limit:	>500kHz
Test Setup:	 <p style="text-align: center;">Spectrum Analyzer EUT</p>
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol style="list-style-type: none"> 1. KDB789033 D02 General UNII Test Procedures New Rules v02 Section C 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 4. Measure and record the results in the test report.
Test Result:	PASS

6.4.2. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 20, 2019
RF Cable (9KHz-40GHz)	TCT	RE-03	N/A	Sep. 20, 2019
Antenna Connector	TCT	RFC-03	N/A	Sep. 20, 2019

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.4.3. Test data

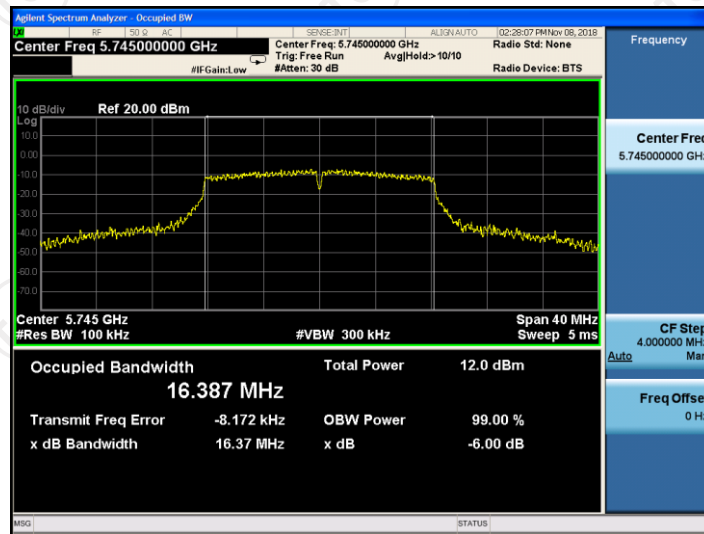
Band 3 (5725 - 5850 MHz)					
Mode	Test channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
11a	CH149	5745	16.37	0.5	PASS
11a	CH157	5785	16.39	0.5	PASS
11a	CH165	5825	16.38	0.5	PASS
11n(HT20)	CH149	5745	17.60	0.5	PASS
11n(HT20)	CH157	5785	17.61	0.5	PASS
11n(HT20)	CH165	5825	17.62	0.5	PASS
11n(HT40)	CH151	5755	36.35	0.5	PASS
11n(HT40)	CH159	5795	36.35	0.5	PASS
11ac(HT20)	CH149	5745	17.59	0.5	PASS
11ac(HT20)	CH157	5785	17.62	0.5	PASS
11ac(HT20)	CH165	5825	17.61	0.5	PASS
11ac(HT40)	CH151	5755	36.34	0.5	PASS
11ac(HT40)	CH159	5795	36.34	0.5	PASS

Test plots as follows:

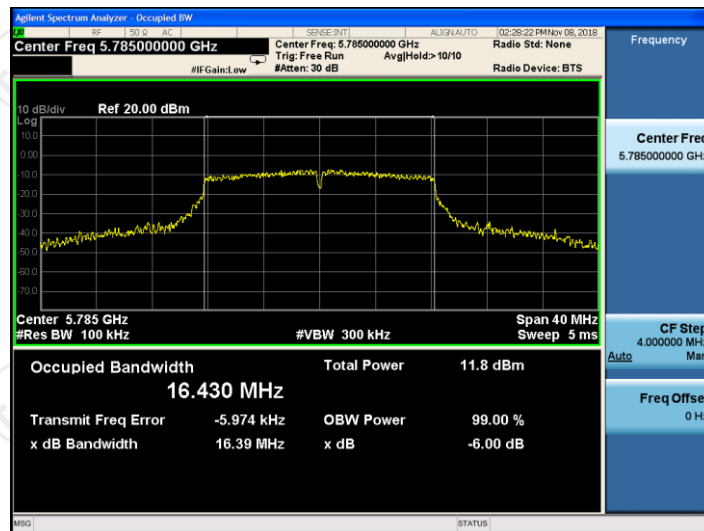
Band 3 (5725 – 5850 MHz)

11a

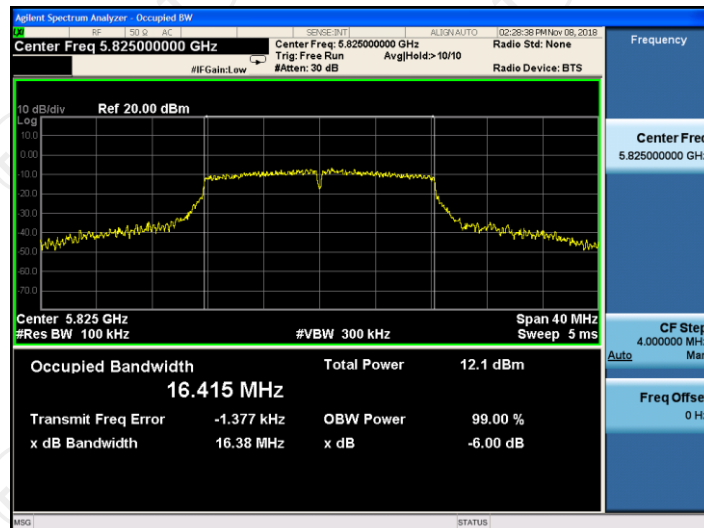
CH149



CH157

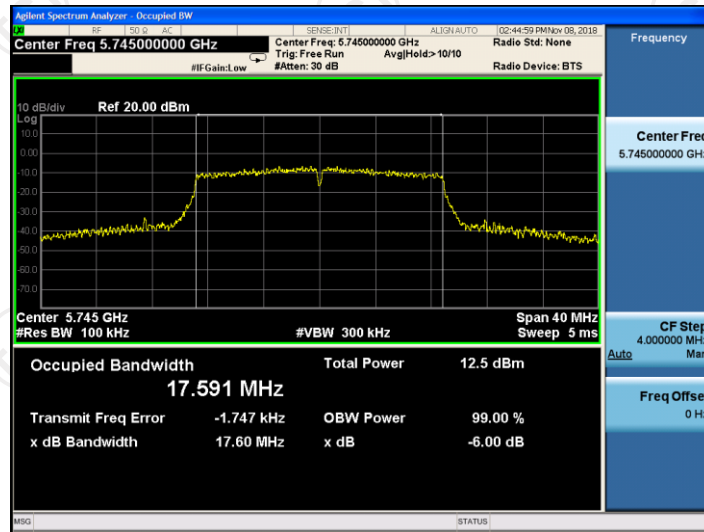


CH165

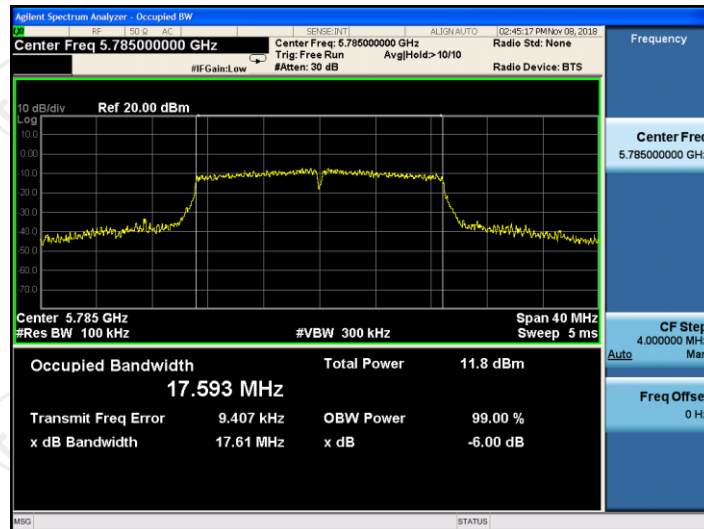


11n(HT20)

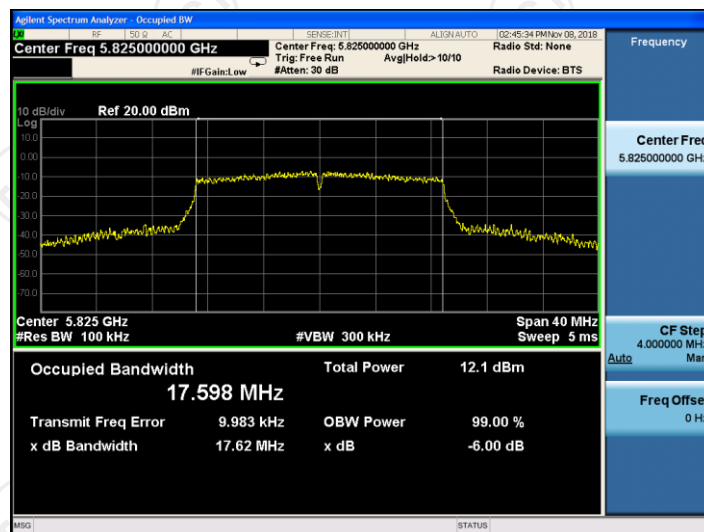
CH149



CH157

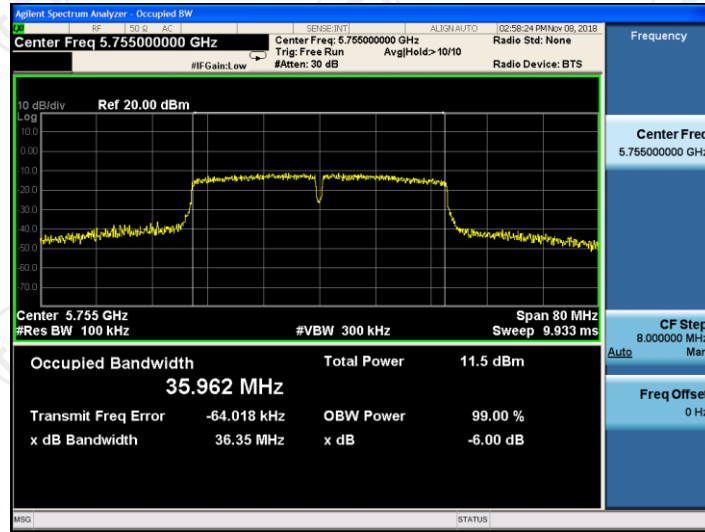


CH165

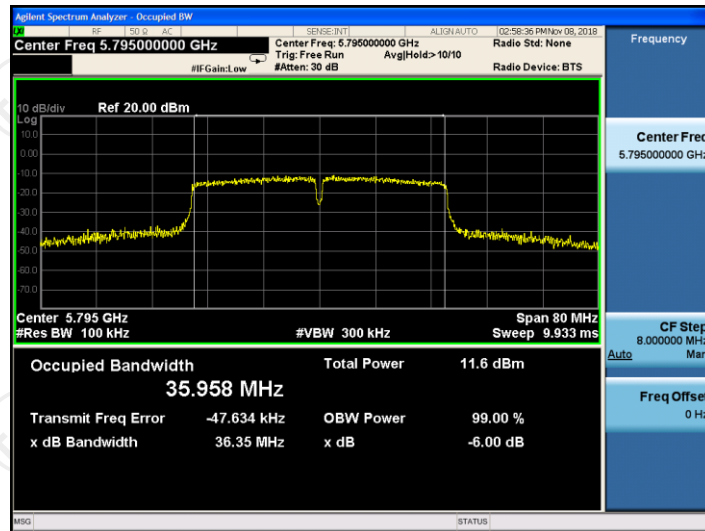


11n(HT40)

CH151

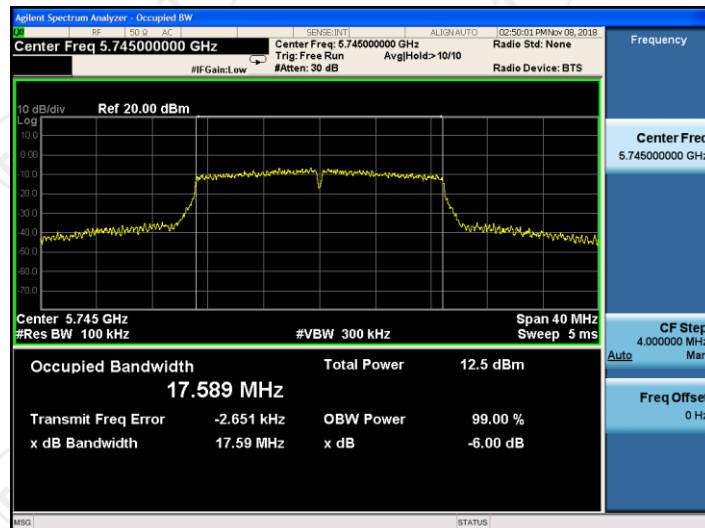


CH159

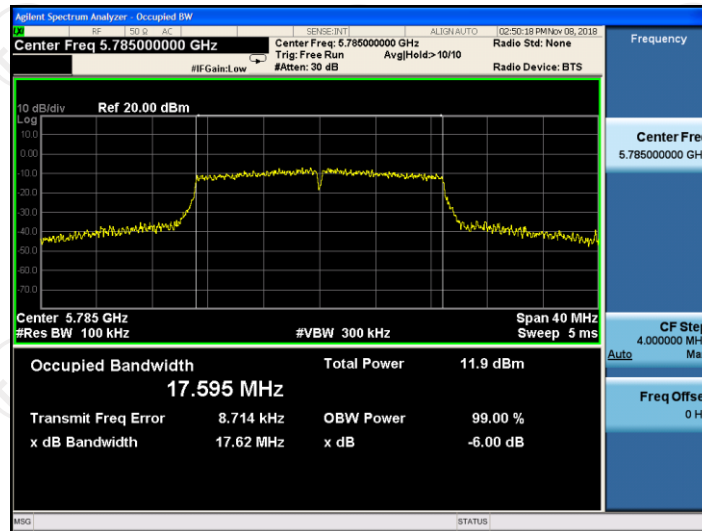


11ac(HT20)

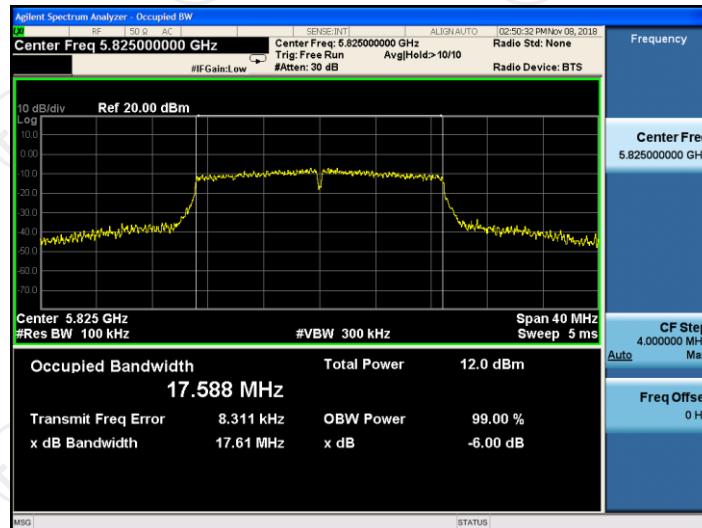
CH149



CH157

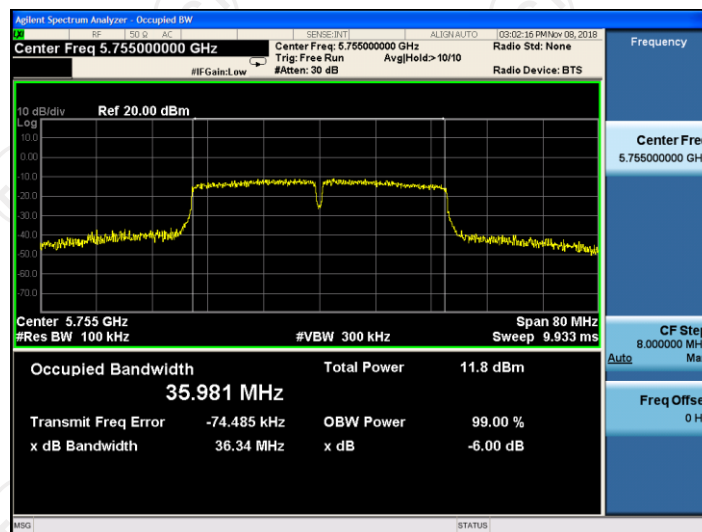


CH165

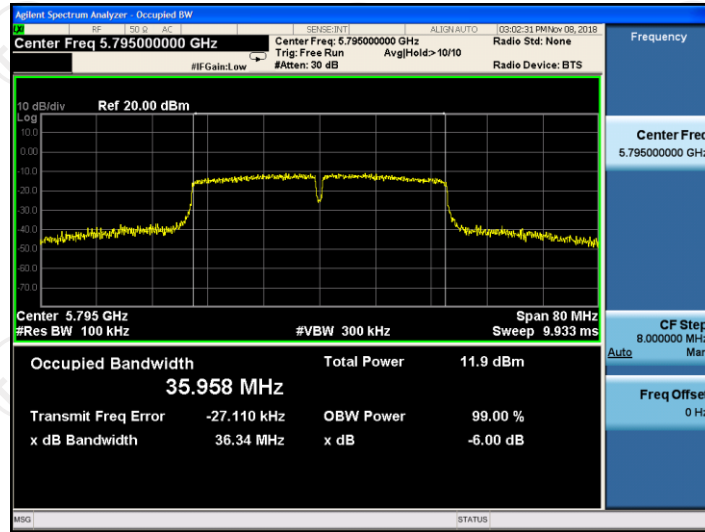


11ac(HT40)

CH151




CH159



6.5. 26dB Bandwidth and 99% Occupied Bandwidth

6.5.1. Test Specification

Test Requirement:	47 CFR Part 15C Section 15.407 (a)& Part 2 J Section 2.1049
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02 Section D
Limit:	No restriction limits
Test Setup:	 <p style="text-align: center;">Spectrum Analyzer EUT</p>
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol style="list-style-type: none"> 1. KDB789033 D02 General UNII Test Procedures New Rules v02 Section D 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. 4. Measure and record the results in the test report.
Test Result:	PASS

6.5.2. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 20, 2019
RF Cable (9KHz-26.5GHz)	TCT	RE-06	N/A	Sep. 20, 2019
Antenna Connector	TCT	RFC-01	N/A	Sep. 20, 2019

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.5.3. Test data

Band 1

Mode	Test channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	5180	22.66	16.84
11a	CH40	5200	20.66	16.83
11a	CH48	5240	20.67	16.86
11n(HT20)	CH36	5180	21.28	17.79
11n(HT20)	CH40	5200	20.66	17.77
11n(HT20)	CH48	5240	23.38	17.74
11n(HT40)	CH38	5190	40.33	36.15
11n(HT40)	CH46	5230	40.27	36.14
11ac(HT20)	CH36	5180	21.89	17.76
11ac(HT20)	CH40	5200	24.18	17.77
11ac(HT20)	CH48	5240	22.83	17.75
11ac(HT40)	CH38	5190	40.43	36.09
11ac(HT40)	CH46	5230	40.13	36.12

Band 2A

Mode	Test channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	5260	20.55	16.99
11a	CH60	5300	22.78	16.91
11a	CH64	5320	20.06	16.95
11n(HT20)	CH52	5260	20.18	17.69
11n(HT20)	CH60	5300	19.90	17.69
11n(HT20)	CH64	5320	19.86	17.69
11n(HT40)	CH54	5270	40.13	36.05
11n(HT40)	CH62	5310	40.09	36.04
11ac(HT20)	CH52	5260	20.13	17.67
11ac(HT20)	CH60	5300	19.94	17.70
11ac(HT20)	CH64	5320	19.89	17.67
11ac(HT40)	CH54	5270	40.18	36.03
11ac(HT40)	CH62	5310	40.31	36.05

Band 2C

Mode	Test channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	5500	23.27	17.08
11a	CH120	5600	23.22	16.93
11a	CH144	5720	20.05	16.88
11n(HT20)	CH100	5500	20.13	17.71
11n(HT20)	CH120	5600	22.78	17.71
11n(HT20)	CH144	5720	21.91	17.75
11n(HT40)	CH102	5510	40.24	36.10
11n(HT40)	CH118	5590	40.38	36.06
11n(HT40)	CH142	5710	40.39	36.07
11ac(HT20)	CH100	5500	19.88	17.69
11ac(HT20)	CH120	5600	22.64	17.74
11ac(HT20)	CH144	5720	20.26	17.73
11ac(HT40)	CH102	5510	40.13	36.05
11ac(HT40)	CH118	5590	40.31	36.11
11ac(HT40)	CH142	5710	39.87	36.07

Band 3

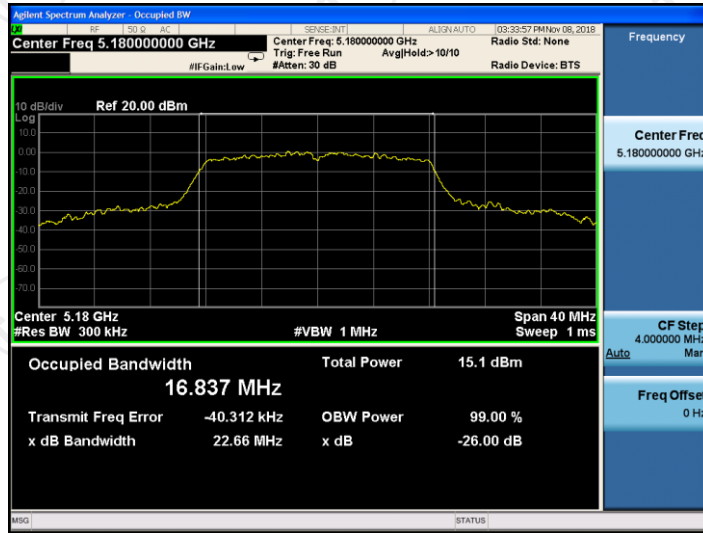
Mode	Test channel	Frequency (MHz)	99% Bandwidth (MHz)
11a	CH149	5745	16.78
11a	CH157	5785	16.93
11a	CH165	5825	16.80
11n(HT20)	CH149	5745	17.71
11n(HT20)	CH157	5785	17.70
11n(HT20)	CH165	5825	17.70
11n(HT40)	CH151	5755	36.07
11n(HT40)	CH159	5795	36.09
11ac(HT20)	CH149	5745	17.71
11ac(HT20)	CH157	5785	17.71
11ac(HT20)	CH165	5825	17.70
11ac(HT40)	CH151	5755	36.08
11ac(HT40)	CH159	5795	36.08

Test plots as follows:

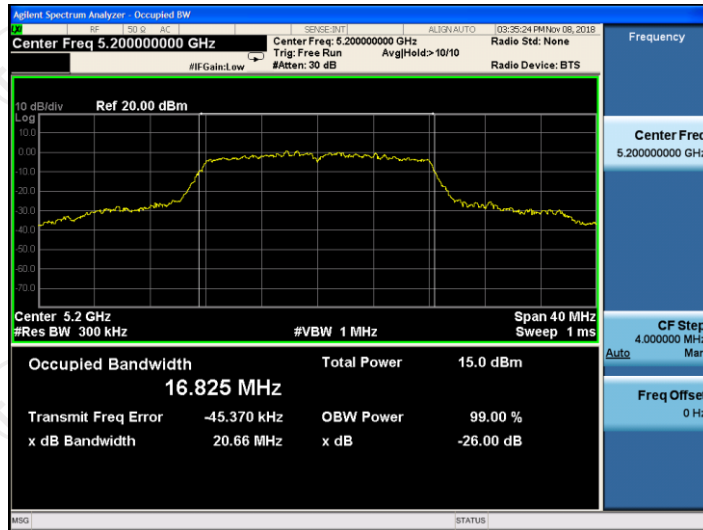
Band 1 (5180-5240 MHz)

11a

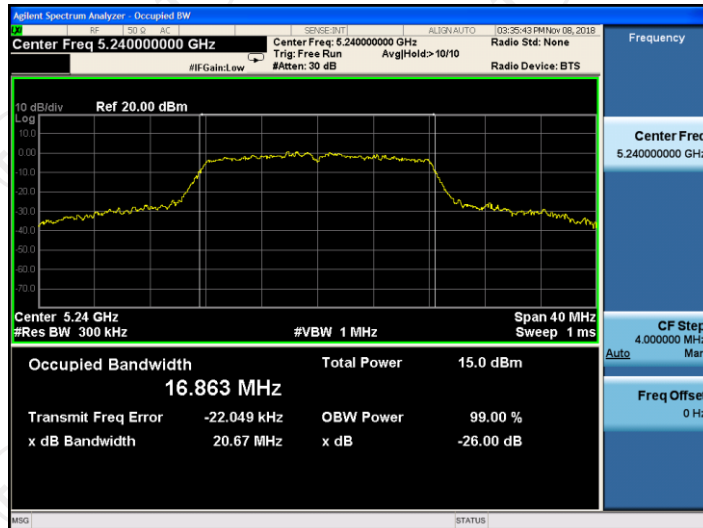
CH36



CH40

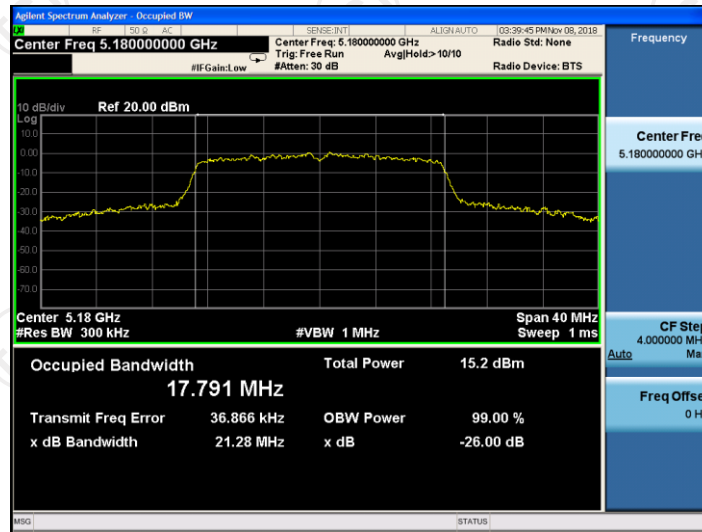


CH48

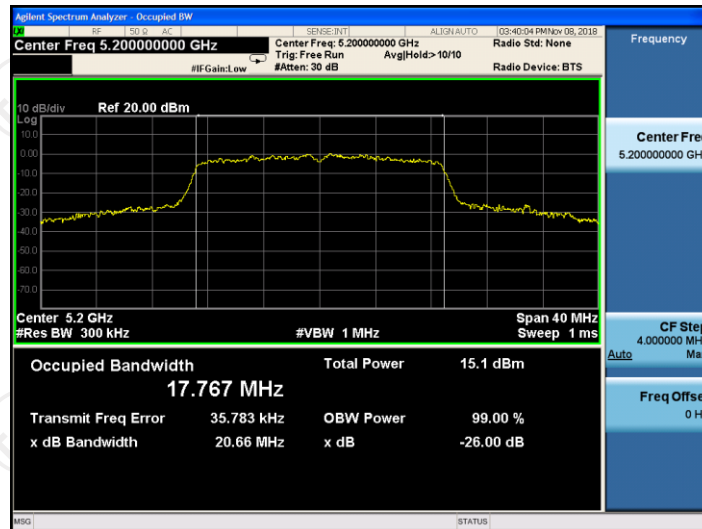


11n(HT20)

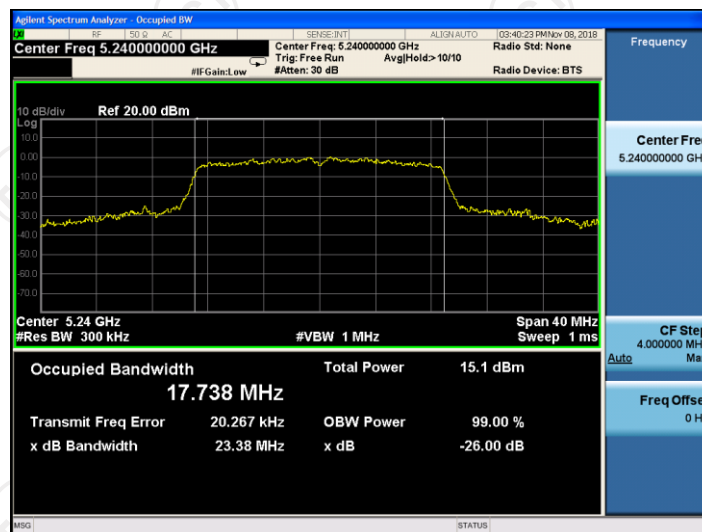
CH36



CH40

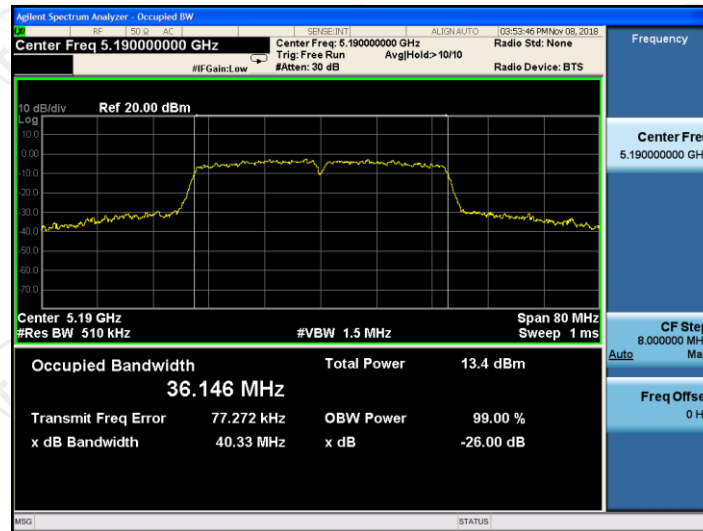


CH48

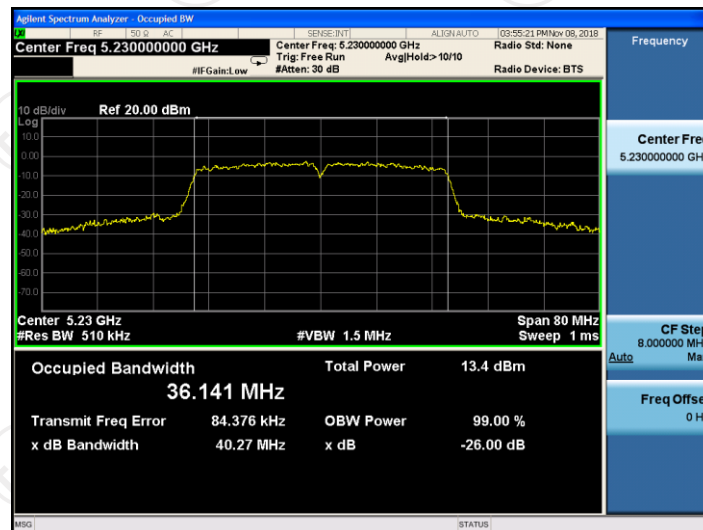


11n(HT40)

CH38

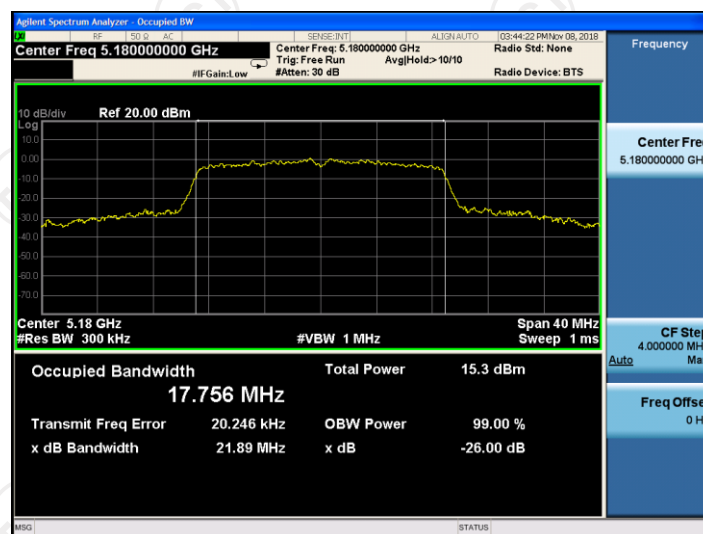


CH46

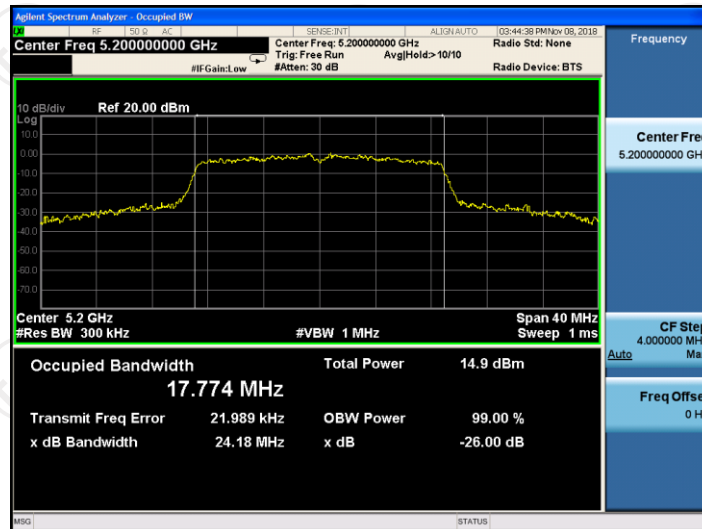


11ac(HT20)

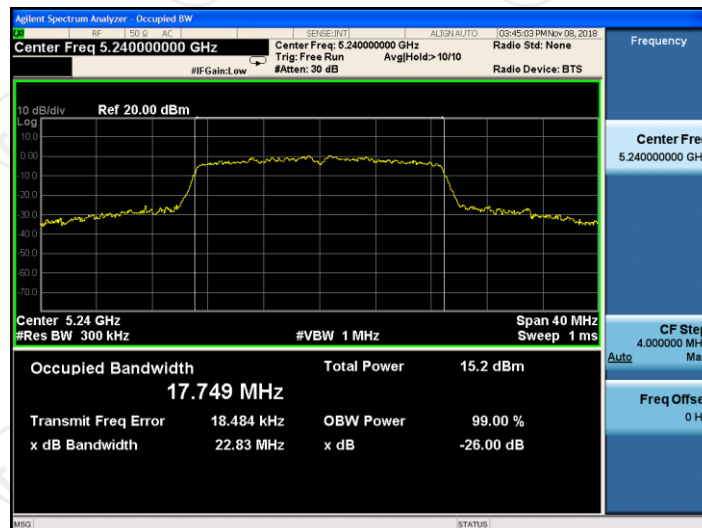
CH36



CH40

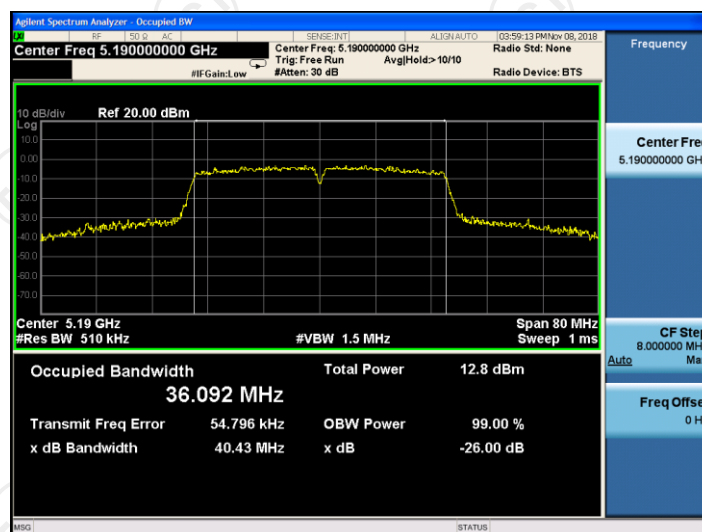


CH48

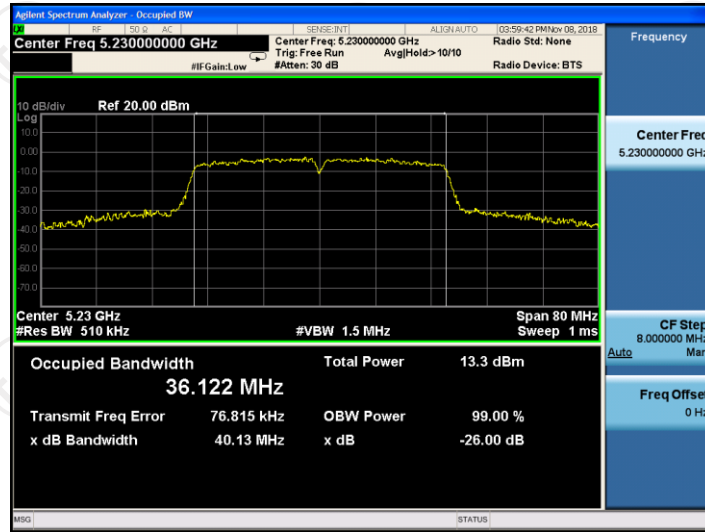


11ac(HT40)

CH38



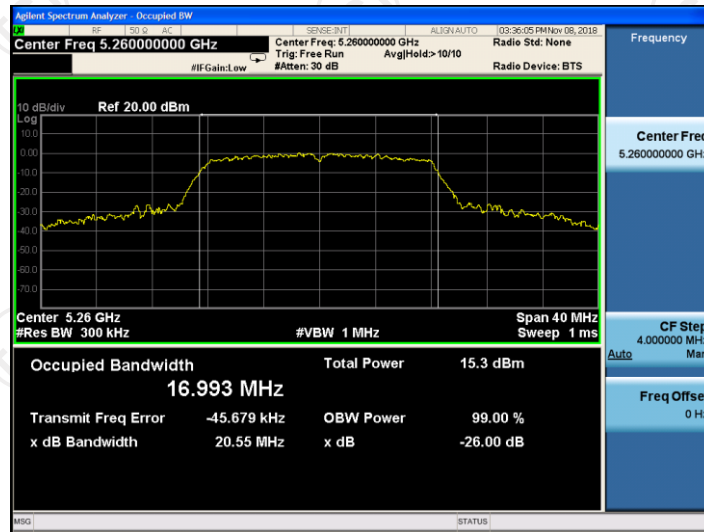
CH46



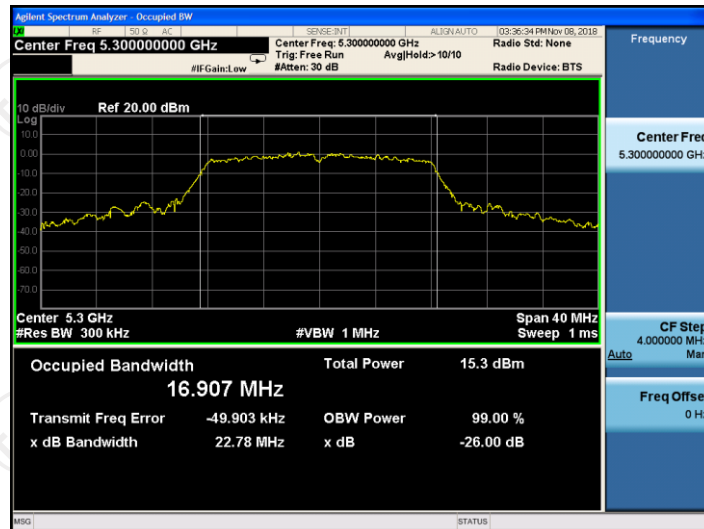
Band 2A (5260-5320MHz)

11a

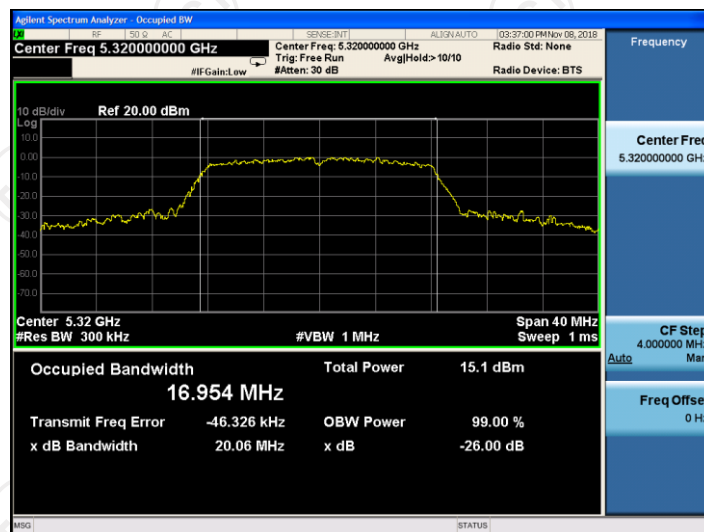
CH52



CH60

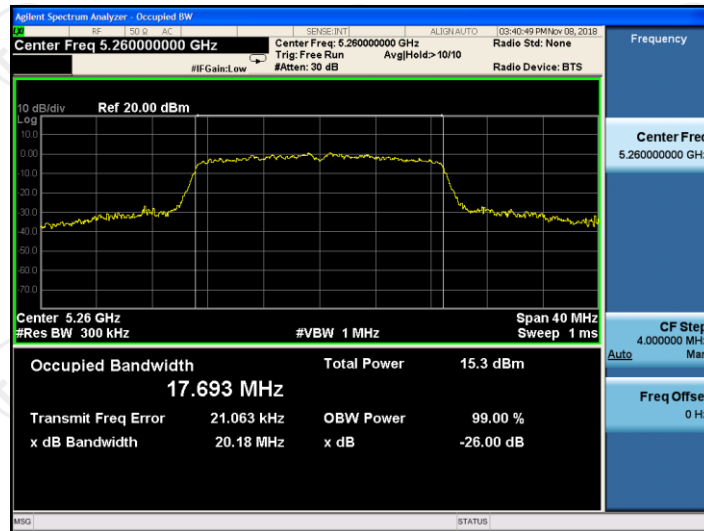


CH64

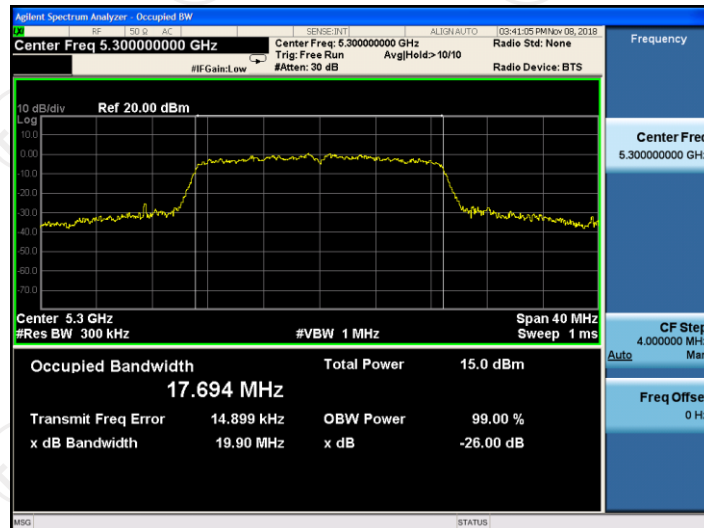


11n(HT20)

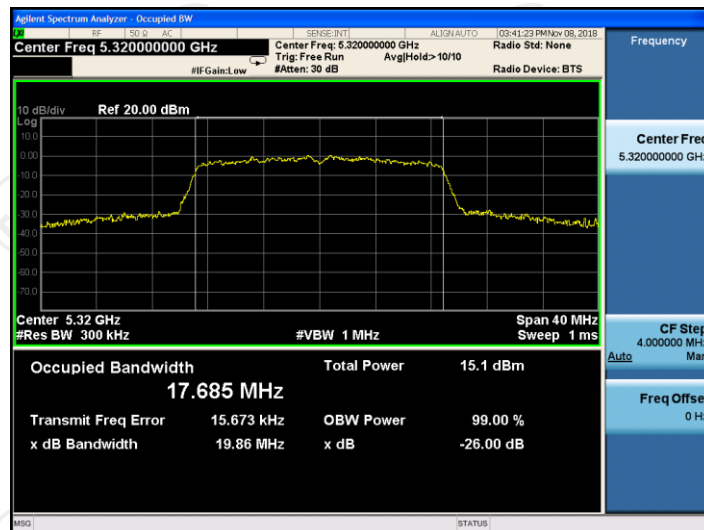
CH52



CH60

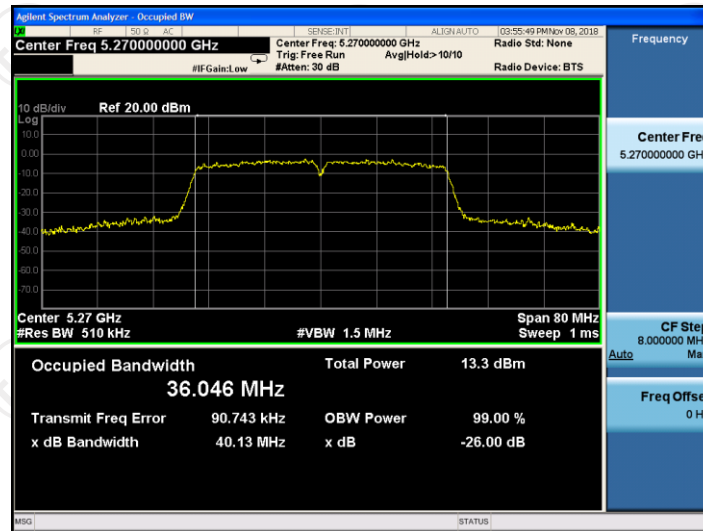


CH64

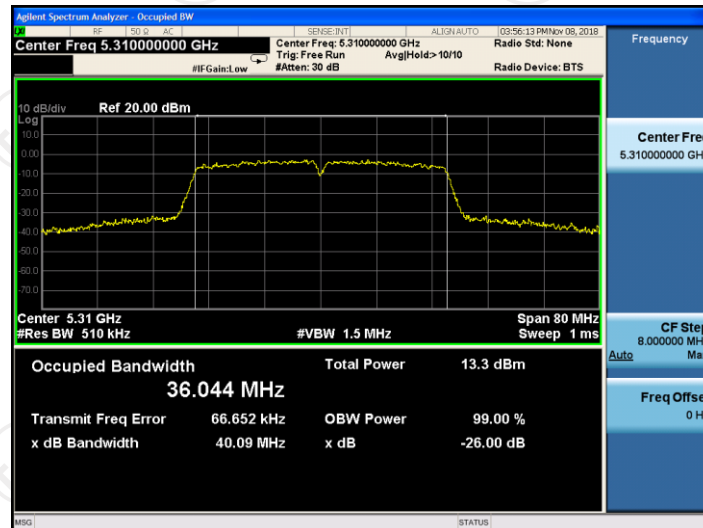


11n(HT40)

CH54

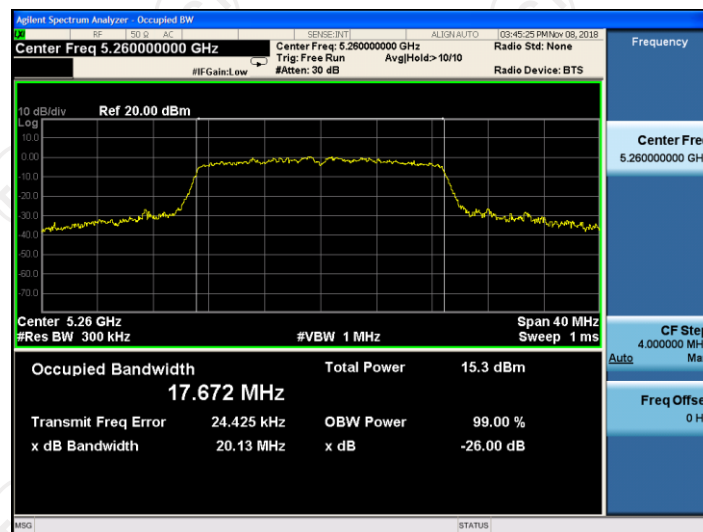


CH62

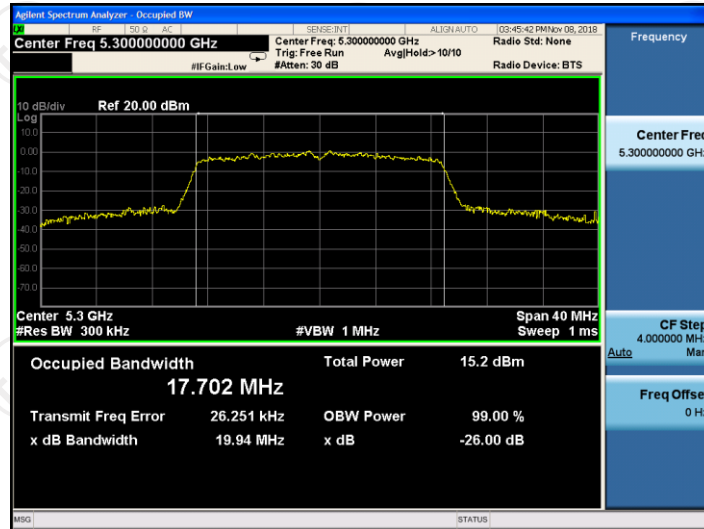


11ac(HT20)

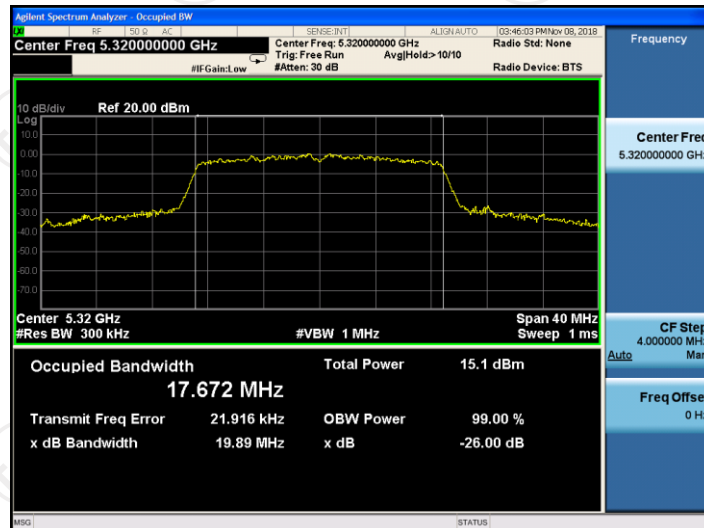
CH52



CH60

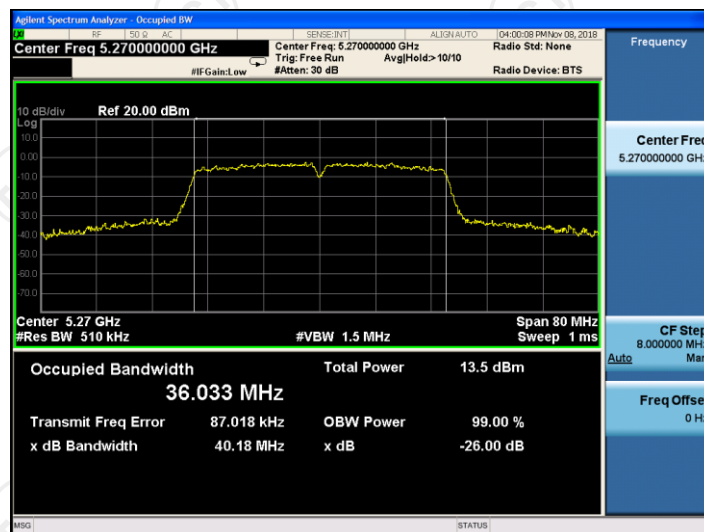


CH64



11ac(HT40)

CH54



CH62

